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 : Q1608

ATTENTION : Eleanor Vivadou

Laboratory Certification ID # 20012

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Cover Page

Order ID : Q1608

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

Client : AECOM Technical Services, Inc.

Lab Sample Number	Client Sample Number
Q1608-01	TT172S1-20250317
Q1608-02	RE139D1-20250317
Q1608-03	RE139D2-20250317
Q1608-04	TT205S1-20250317
Q1608-05	DUP07-20250317
Q1608-06	TT163S1-20250317
Q1608-07	RW11-MW01S-20250317
Q1608-08	RW11-MW01I-20250317
Q1608-09	GM38-RW3-MW1-20250318
Q1608-10	DUP08-20250318
Q1608-11	RE132D1-20250318
Q1608-12	RE132D1-20250318MS
Q1608-13	RE132D1-20250318MSD
Q1608-14	RE132D2-20250318
Q1608-15	RE132D3-20250318
Q1608-16	RE132D4-20250318
Q1608-17	RE132D5-20250318
Q1608-18	RE132D6-20250318
Q1608-19	RE132D7-20250318
Q1608-20	RE117D2-20250319
Q1608-21	TT101D2-20250319
Q1608-22	TT161S1-20250319
Q1608-23	TT189D2-20250319
Q1608-24	RW8-MW01S-20250319
Q1608-25	RW8-MW01D1-20250319
Q1608-26	RW8-MW01D2-20250319
Q1608-27	RW8-MW01D3-20250319
Q1608-28	DUP09-20250319
Q1608-29	TB

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 8:53 am, Apr 02, 2025

Date: 3/28/2025

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 # Q1608
Test Name: VOCMS Group1

A. Number of Samples and Date of Receipt:
29 Water samples were received on 03/19/2025.

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 except for RE139D2-20250317 [1,2-Dichloroethane-d4 - 119%] due to high concentration of compounds, this sample required dilution. Therefore, sample was reanalyzed with dilution and reported. and RE132D1-20250318MS [4-Bromofluorobenzene - 115%] parent sample is passing for surrogate, Therefore no corrective action taken.

The Internal Standards Areas met the acceptable requirements.
The Retention Times were acceptable for all samples.
The MS recoveries met the requirements for all compounds.
The MSD recoveries met the acceptable requirements.
The RPD for {Q1608-13MSD} with File ID: VX045454.D met criteria except for Trichloroethene[22%] due to difference in results of MS and MSD.

The Blank Spike for {VX0325WBS02} with File ID: VX045436.D met requirements for all samples except for Methyl Acetate[147%] are failing high but no positive hit in associate sample therefore no corrective action taken.

The Blank analysis did not indicate the presence of lab contamination.
The Initial Calibration met the requirements.

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The Continuous Calibration File ID VX045375.D met the requirements except for cis-1,3-Dichloropropene,Methyl Acetate and t-1,3-Dichloropropene are failing high but no positive hit in associate sample therefore no corrective action taken.

The Continuous Calibration File ID VX045403.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 Continuous Calibration File ID VX045431.D met the requirements except for 1,1,2-Trichlorotrifluoroethane is failing marginally high and 2-Hexanone, cis-1,3-Dichloro propene, Methylcyclohexane and t- 1,3-Dichloropropene are failing high but no positive hit in associate samples therefore no corrective action taken while Dichlorodifluoromethane failing high and associate sample #14RE have positive hit but it is reanalysis due to carryover in first run therefore both run are reported.

The Tuning criteria met requirements.

Samples RE139D1-20250317, RE139D2-20250317, DUP08-20250318, RE132D4-20250318, RE132D5-20250318, RE132D6-20250318, RE132D7-20250318 and TT101D2-20250319 were diluted due to high concentrations.

E. Additional Comments:
The Sample #RW11-MW01S-20250317 have the concentration of target compound below Method detection limits, therefore it is not reported as Hit in Form1.
The not QT review data is reported in the Miscellaneous.
Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <20% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 20% for the Initial Calibration curve for SW-846 analysis.

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

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

Signature APPROVED
By Nimisha Pandya, QA/QC Supervisor at 8:54 am, Apr 02, 2025

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

DATA REPORTING QUALIFIERS- ORGANIC

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

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

GC/MS VOA CONFORMANCE/NON-CONFORMANCE SUMMARY

CHEMTECH PROJECT NUMBER: Q1608 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 VX045375.D met the requirements except for cis-1,3-Dichloropropene,Methyl Acetate and t-1,3-Dichloropropene are failing high but no positive hit in associate sample therefore no corrective action taken. The Continuous Calibration File ID VX045403.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 Continuous Calibration File ID VX045431.D met the requirements except for 1,1,2-Trichlorotrifluoroethane is failing marginally high and 2-Hexanone, cis-1,3-Dichloropropene, Methylcyclohexane and t- 1,3-Dichloropropene are failing high but no positive hit in associate sample therefore no corrective action taken while Dichlorodifluoromethane failing high and associate sample #14RE have positive hit but it is reanalysis due to carryover in first run therefore both run are reported. .			
6.	Blank Contamination - If yes, list compounds and concentrations in each blank:		✓	
7.	Surrogate Recoveries Meet Criteria		✓	
	If not met, list those compounds and their recoveries which fall outside the acceptable ranges. The Surrogate recoveries met the acceptable criteria except for RE139D2-20250317 [1,2-Dichloroethane-d4 - 119%] Due to high concentration of compounds, this sample required dilution. Therefore, sample was reanalyzed with dilution and reported. and RE132D1-20250318MS [4-Bromofluorobenzene - 115%] parent sample is passing for surrogate, Therefore no corrective action taken.			

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

		NA	NO	YES
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 for {VX0325WBS02} with File ID: VX045436.D met requirements for all samples except for Methyl Acetate[147%] are failing high but no positive hit in associate sample therefore no corrective action taken. The RPD for {Q1608-13MSD} with File ID: VX045454.D met criteria except for Trichloroethene[22%] due to difference in results of MS and MSD.			
9.	Internal Standard Area/Retention Time Shift Meet Criteria			✓
	Comments:			
10.	Analysis Holding Time Met			✓
	If not met, list number of days exceeded for each sample:			

ADDITIONAL COMMENTS:

Samples RE139D1-20250317, RE139D2-20250317, DUP08-20250318, RE132D4-20250318, RE132D5-20250318, RE132D6-20250318, RE132D7-20250318 and TT101D2-20250319 were diluted due to high concentrations.

The Sample #RW11-MW01S-20250317 have the concentration of target compound below Method detection limits, therefore it is not reported as Hit in Form1.

The not QT review data is reported in the Miscellaneous.

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

APPROVED
By Nimisha Pandya, QA/QC Supervisor at 8:54 am, Apr 02, 2025

QA REVIEW Date

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

QA REVIEW GENERAL DOCUMENTATION

Project #: Q1608

	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:** 03/28/2025

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LAB CHRONICLE

OrderID:	Q1608	**OrderDate:**	3/19/2025 2:28:00 PM
Client:	AECOM Technical Services, Inc.	**Project:**	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258
Contact:	Eleanor Vivadou	**Location:**	I51,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1608-01	**TT172S1-20250317**	**Water**			**03/17/25**			**03/19/25**
			VOCMS Group1	8260-Low			03/21/25	
Q1608-02	**RE139D1-20250317**	**Water**			**03/17/25**			**03/19/25**
			VOCMS Group1	8260-Low			03/21/25	
Q1608-02DL	**RE139D1-20250317DL**	**Water**			**03/17/25**			**03/19/25**
			VOCMS Group1	8260-Low			03/24/25	
Q1608-03	**RE139D2-20250317**	**Water**			**03/17/25**			**03/19/25**
			VOCMS Group1	8260-Low			03/21/25	
Q1608-03DL	**RE139D2-20250317DL**	**Water**			**03/17/25**			**03/19/25**
			VOCMS Group1	8260-Low			03/24/25	
Q1608-04	**TT205S1-20250317**	**Water**			**03/17/25**			**03/19/25**
			VOCMS Group1	8260-Low			03/21/25	
Q1608-05	**DUP07-20250317**	**Water**			**03/17/25**			**03/19/25**
			VOCMS Group1	8260-Low			03/21/25	
Q1608-06	**TT163S1-20250317**	**Water**			**03/17/25**			**03/19/25**
			VOCMS Group1	8260-Low			03/21/25	
Q1608-07	**RW11-MW01S-20250317**	**Water**			**03/17/25**			**03/19/25**
			VOCMS Group1	8260-Low			03/21/25	
Q1608-08	**RW11-MW01I-20250317**	**Water**			**03/17/25**			**03/19/25**
			VOCMS Group1	8260-Low			03/24/25	

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Q1608-09	**GM38-RW3-MW1-20250318**	**Water**			**03/18/25**		**03/19/25**
			VOCMS Group1	8260-Low		03/24/25	
Q1608-10	**DUP08-20250318**	**Water**			**03/18/25**		**03/19/25**
			VOCMS Group1	8260-Low		03/24/25	
Q1608-10DL	**DUP08-20250318DL**	**Water**			**03/18/25**		**03/19/25**
			VOCMS Group1	8260-Low		03/25/25	
Q1608-11	**RE132D1-20250318**	**Water**			**03/18/25**		**03/19/25**
			VOCMS Group1	8260-Low		03/25/25	
Q1608-14	**RE132D2-20250318**	**Water**			**03/18/25**		**03/19/25**
			VOCMS Group1	8260-Low		03/24/25	
Q1608-14RE	**RE132D2-20250318RE**	**Water**			**03/18/25**		**03/19/25**
			VOCMS Group1	8260-Low		03/25/25	
Q1608-15	**RE132D3-20250318**	**Water**			**03/18/25**		**03/19/25**
			VOCMS Group1	8260-Low		03/24/25	
Q1608-16	**RE132D4-20250318**	**Water**			**03/18/25**		**03/19/25**
			VOCMS Group1	8260-Low		03/24/25	
Q1608-16DL	**RE132D4-20250318DL**	**Water**			**03/18/25**		**03/19/25**
			VOCMS Group1	8260-Low		03/25/25	
Q1608-17	**RE132D5-20250318**	**Water**			**03/18/25**		**03/19/25**
			VOCMS Group1	8260-Low		03/24/25	
Q1608-17DL	**RE132D5-20250318DL**	**Water**			**03/18/25**		**03/19/25**
			VOCMS Group1	8260-Low		03/25/25	
Q1608-18	**RE132D6-20250318**	**Water**			**03/18/25**		**03/19/25**
			VOCMS Group1	8260-Low		03/24/25	
Q1608-18DL	**RE132D6-20250318DL**	**Water**			**03/18/25**		**03/19/25**
			VOCMS Group1	8260-Low		03/25/25	

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LAB CHRONICLE

Q1608-19	**RE132D7-20250318**	**Water**			**03/18/25**		**03/19/25**
			VOCMS Group1	8260-Low		03/24/25	
Q1608-19DL	**RE132D7-20250318DL**	**Water**			**03/18/25**		**03/19/25**
			VOCMS Group1	8260-Low		03/25/25	
Q1608-20	**RE117D2-20250319**	**Water**			**03/19/25**		**03/19/25**
			VOCMS Group1	8260-Low		03/24/25	
Q1608-21	**TT101D2-20250319**	**Water**			**03/19/25**		**03/19/25**
			VOCMS Group1	8260-Low		03/24/25	
Q1608-21DL	**TT101D2-20250319DL**	**Water**			**03/19/25**		**03/19/25**
			VOCMS Group1	8260-Low		03/25/25	
Q1608-22	**TT161S1-20250319**	**Water**			**03/19/25**		**03/19/25**
			VOCMS Group1	8260-Low		03/24/25	
Q1608-23	**TT189D2-20250319**	**Water**			**03/19/25**		**03/19/25**
			VOCMS Group1	8260-Low		03/24/25	
Q1608-24	**RW8-MW01S-20250319**	**Water**			**03/19/25**		**03/19/25**
			VOCMS Group1	8260-Low		03/24/25	
Q1608-25	**RW8-MW01D1-20250319**	**Water**			**03/19/25**		**03/19/25**
			VOCMS Group1	8260-Low		03/24/25	
Q1608-26	**RW8-MW01D2-20250319**	**Water**			**03/19/25**		**03/19/25**
			VOCMS Group1	8260-Low		03/24/25	
Q1608-27	**RW8-MW01D3-20250319**	**Water**			**03/19/25**		**03/19/25**
			VOCMS Group1	8260-Low		03/24/25	
Q1608-28	**DUP09-20250319**	**Water**			**03/19/25**		**03/19/25**
			VOCMS Group1	8260-Low		03/24/25	
Q1608-29	**TB**	**Water**			**03/19/25**		**03/19/25**
			VOCMS Group1	8260-Low		03/24/25	

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Fax : 908 789 8922

Hit Summary Sheet
SW-846

SDG No.: Q1608

Client: AECOM Technical Services, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID:	**TT172S1-20250317**								
Q1608-01	TT172S1-20250317	Water	1,1,2-Trichlorotrifluoroethane	1.20		0.25	0.50	1.00	ug/L
Q1608-01	TT172S1-20250317	Water	Acetone	2.00	J	1.50	3.80	5.00	ug/L
Q1608-01	TT172S1-20250317	Water	Trichloroethene	33.3		0.090	0.75	1.00	ug/L
Q1608-01	TT172S1-20250317	Water	Toluene	0.37	J	0.14	0.50	1.00	ug/L
Q1608-01	TT172S1-20250317	Water	Tetrachloroethene	1.50		0.23	0.50	1.00	ug/L
			Total Voc :	38.4					
			Total Concentration:	38.4					
Client ID:	**RE139D1-20250317**								
Q1608-02	RE139D1-2025031	Water	1,1,2-Trichlorotrifluoroethane	6.40		0.25	0.50	1.00	ug/L
Q1608-02	RE139D1-2025031	Water	1,1-Dichloroethene	3.60		0.23	0.75	1.00	ug/L
Q1608-02	RE139D1-2025031	Water	Acetone	1.60	J	1.50	3.80	5.00	ug/L
Q1608-02	RE139D1-2025031	Water	Carbon Tetrachloride	1.50		0.25	0.50	1.00	ug/L
Q1608-02	RE139D1-2025031	Water	cis-1,2-Dichloroethene	1.50		0.19	0.75	1.00	ug/L
Q1608-02	RE139D1-2025031	Water	Trichloroethene	200	E	0.090	0.75	1.00	ug/L
Q1608-02	RE139D1-2025031	Water	1,1,2-Trichloroethane	0.98	J	0.21	0.50	1.00	ug/L
			Total Voc :	216					
			Total Concentration:	216					
Client ID:	**RE139D1-20250317DL**								
Q1608-02DL	RE139D1-2025031	Water	1,1,2-Trichlorotrifluoroethane	7.40	D	1.00	2.00	4.00	ug/L
Q1608-02DL	RE139D1-2025031	Water	1,1-Dichloroethene	4.30	D	0.92	3.00	4.00	ug/L
Q1608-02DL	RE139D1-2025031	Water	Trichloroethene	210	D	0.37	3.00	4.00	ug/L
			Total Voc :	222					
			Total Concentration:	222					
Client ID:	**RE139D2-20250317**								
Q1608-03	RE139D2-2025031	Water	1,1,2-Trichlorotrifluoroethane	7.10		0.25	0.50	1.00	ug/L
Q1608-03	RE139D2-2025031	Water	1,1-Dichloroethene	6.40		0.23	0.75	1.00	ug/L
Q1608-03	RE139D2-2025031	Water	Acetone	1.80	J	1.50	3.80	5.00	ug/L
Q1608-03	RE139D2-2025031	Water	Carbon Tetrachloride	1.70		0.25	0.50	1.00	ug/L
Q1608-03	RE139D2-2025031	Water	cis-1,2-Dichloroethene	2.00		0.19	0.75	1.00	ug/L
Q1608-03	RE139D2-2025031	Water	Trichloroethene	200	E	0.090	0.75	1.00	ug/L
			Total Voc :	219					
			Total Concentration:	219					
Client ID:	**RE139D2-20250317DL**								
Q1608-03DL	RE139D2-2025031	Water	1,1,2-Trichlorotrifluoroethane	7.20	D	1.00	2.00	4.00	ug/L
Q1608-03DL	RE139D2-2025031	Water	1,1-Dichloroethene	6.10	D	0.92	3.00	4.00	ug/L
Q1608-03DL	RE139D2-2025031	Water	Trichloroethene	200	D	0.37	3.00	4.00	ug/L
			Total Voc :	213					
			Total Concentration:	213					

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Hit Summary Sheet
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SDG No.: Q1608

Client: AECOM Technical Services, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID:	**TT205S1-20250317**								
Q1608-04	TT205S1-20250317	Water	1,1,2-Trichlorotrifluoroethane	1.30		0.25	0.50	1.00	ug/L
Q1608-04	TT205S1-20250317	Water	1,1-Dichloroethene	1.40		0.23	0.75	1.00	ug/L
Q1608-04	TT205S1-20250317	Water	Acetone	2.70	J	1.50	3.80	5.00	ug/L
Q1608-04	TT205S1-20250317	Water	Trichloroethene	38.2		0.090	0.75	1.00	ug/L
			Total Voc :	43.6					
			Total Concentration:	43.6					
Client ID:	**DUP07-20250317**								
Q1608-05	DUP07-20250317	Water	1,1,2-Trichlorotrifluoroethane	1.00		0.25	0.50	1.00	ug/L
Q1608-05	DUP07-20250317	Water	1,1-Dichloroethene	0.96	J	0.23	0.75	1.00	ug/L
Q1608-05	DUP07-20250317	Water	Acetone	2.20	J	1.50	3.80	5.00	ug/L
Q1608-05	DUP07-20250317	Water	Trichloroethene	31.8		0.090	0.75	1.00	ug/L
			Total Voc :	36.0					
			Total Concentration:	36.0					
Client ID:	**TT163S1-20250317**								
Q1608-06	TT163S1-20250317	Water	Acetone	2.00	J	1.50	3.80	5.00	ug/L
			Total Voc :	2.00					
			Total Concentration:	2.00					
Client ID:	**RW11-MW01I-20250317**								
Q1608-08	RW11-MW01I-202	Water	Acetone	1.90	J	1.50	3.80	5.00	ug/L
			Total Voc :	1.90					
			Total Concentration:	1.90					
Client ID:	**GM38-RW3-MW1-20250318**								
Q1608-09	GM38-RW3-MW1-	Water	Acetone	1.70	J	1.50	3.80	5.00	ug/L
Q1608-09	GM38-RW3-MW1-	Water	Trichloroethene	18.9		0.090	0.75	1.00	ug/L
Q1608-09	GM38-RW3-MW1-	Water	Tetrachloroethene	1.60		0.23	0.50	1.00	ug/L
			Total Voc :	22.2					
			Total Concentration:	22.2					
Client ID:	**DUP08-20250318**								
Q1608-10	DUP08-20250318	Water	Dichlorodifluoromethane	1.60		0.22	0.50	1.00	ug/L
Q1608-10	DUP08-20250318	Water	1,1,2-Trichlorotrifluoroethane	12.9		0.25	0.50	1.00	ug/L
Q1608-10	DUP08-20250318	Water	1,1-Dichloroethene	2.70		0.23	0.75	1.00	ug/L
Q1608-10	DUP08-20250318	Water	Acetone	1.60	J	1.50	3.80	5.00	ug/L
Q1608-10	DUP08-20250318	Water	cis-1,2-Dichloroethene	1.60		0.19	0.75	1.00	ug/L
Q1608-10	DUP08-20250318	Water	Chloroform	1.50		0.25	0.50	1.00	ug/L
Q1608-10	DUP08-20250318	Water	Trichloroethene	160	E	0.090	0.75	1.00	ug/L
			Total Voc :	182					
			Total Concentration:	182					
Client ID:	**DUP08-20250318DL**								
Q1608-10DL	DUP08-20250318D	Water	1,1,2-Trichlorotrifluoroethane	12.0	D	1.00	2.00	4.00	ug/L

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Hit Summary Sheet
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SDG No.: Q1608

Client: AECOM Technical Services, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Q1608-10DL	DUP08-20250318D	Water	Trichloroethene	150	D	0.37	3.00	4.00	ug/L
			Total Voc :	162					
			Total Concentration:	162					
Client ID:	**RE132D1-20250318**								
Q1608-11	RE132D1-2025031[illegible]	Water	1,1,2-Trichlorotrifluoroethane	4.90		0.25	0.50	1.00	ug/L
Q1608-11	RE132D1-2025031[illegible]	Water	1,1-Dichloroethene	0.74	J	0.23	0.75	1.00	ug/L
Q1608-11	RE132D1-2025031[illegible]	Water	Acetone	1.70	J	1.50	3.80	5.00	ug/L
Q1608-11	RE132D1-2025031[illegible]	Water	Methyl tert-butyl Ether	0.76	J	0.16	0.50	1.00	ug/L
Q1608-11	RE132D1-2025031[illegible]	Water	cis-1,2-Dichloroethene	2.20		0.19	0.75	1.00	ug/L
Q1608-11	RE132D1-2025031[illegible]	Water	Chloroform	2.10		0.25	0.50	1.00	ug/L
Q1608-11	RE132D1-2025031[illegible]	Water	Trichloroethene	140		0.090	0.75	1.00	ug/L
Q1608-11	RE132D1-2025031[illegible]	Water	Tetrachloroethene	4.50		0.23	0.50	1.00	ug/L
			Total Voc :	157					
			Total Concentration:	157					
Client ID:	**RE132D2-20250318**								
Q1608-14	RE132D2-2025031[illegible]	Water	Dichlorodifluoromethane	1.90		0.22	0.50	1.00	ug/L
Q1608-14	RE132D2-2025031[illegible]	Water	1,1,2-Trichlorotrifluoroethane	4.90		0.25	0.50	1.00	ug/L
Q1608-14	RE132D2-2025031[illegible]	Water	Acetone	1.80	J	1.50	3.80	5.00	ug/L
Q1608-14	RE132D2-2025031[illegible]	Water	Trichloroethene	1.20		0.090	0.75	1.00	ug/L
			Total Voc :	9.80					
			Total Concentration:	9.80					
Client ID:	**RE132D2-20250318RE**								
Q1608-14RE	RE132D2-2025031[illegible]	Water	Dichlorodifluoromethane	1.70		0.22	0.50	1.00	ug/L
Q1608-14RE	RE132D2-2025031[illegible]	Water	1,1,2-Trichlorotrifluoroethane	4.40		0.25	0.50	1.00	ug/L
Q1608-14RE	RE132D2-2025031[illegible]	Water	Acetone	1.80	J	1.50	3.80	5.00	ug/L
Q1608-14RE	RE132D2-2025031[illegible]	Water	Trichloroethene	0.79	J	0.090	0.75	1.00	ug/L
			Total Voc :	8.69					
			Total Concentration:	8.69					
Client ID:	**RE132D3-20250318**								
Q1608-15	RE132D3-2025031[illegible]	Water	Dichlorodifluoromethane	1.10		0.22	0.50	1.00	ug/L
Q1608-15	RE132D3-2025031[illegible]	Water	1,1,2-Trichlorotrifluoroethane	5.60		0.25	0.50	1.00	ug/L
Q1608-15	RE132D3-2025031[illegible]	Water	Trichloroethene	78.5		0.090	0.75	1.00	ug/L
Q1608-15	RE132D3-2025031[illegible]	Water	Tetrachloroethene	2.40		0.23	0.50	1.00	ug/L
			Total Voc :	87.6					
			Total Concentration:	87.6					
Client ID:	**RE132D4-20250318**								
Q1608-16	RE132D4-2025031[illegible]	Water	Dichlorodifluoromethane	0.57	J	0.22	0.50	1.00	ug/L
Q1608-16	RE132D4-2025031[illegible]	Water	1,1,2-Trichlorotrifluoroethane	5.20		0.25	0.50	1.00	ug/L
Q1608-16	RE132D4-2025031[illegible]	Water	Acetone	1.60	J	1.50	3.80	5.00	ug/L

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Hit Summary Sheet
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SDG No.: Q1608

Client: AECOM Technical Services, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Q1608-16	RE132D4-2025031[illegible]	Water	cis-1,2-Dichloroethene	1.40		0.19	0.75	1.00	ug/L
Q1608-16	RE132D4-2025031[illegible]	Water	Trichloroethene	170	E	0.090	0.75	1.00	ug/L
Q1608-16	RE132D4-2025031[illegible]	Water	Tetrachloroethene	4.90		0.23	0.50	1.00	ug/L
			Total Voc :	184					
			Total Concentration:	184					
Client ID:	**RE132D4-20250318DL**								
Q1608-16DL	RE132D4-2025031[illegible]	Water	1,1,2-Trichlorotrifluoroethane	5.70	D	1.00	2.00	4.00	ug/L
Q1608-16DL	RE132D4-2025031[illegible]	Water	Trichloroethene	170	D	0.37	3.00	4.00	ug/L
Q1608-16DL	RE132D4-2025031[illegible]	Water	Tetrachloroethene	5.50	D	0.92	2.00	4.00	ug/L
			Total Voc :	181					
			Total Concentration:	181					
Client ID:	**RE132D5-20250318**								
Q1608-17	RE132D5-2025031[illegible]	Water	Dichlorodifluoromethane	1.70		0.22	0.50	1.00	ug/L
Q1608-17	RE132D5-2025031[illegible]	Water	1,1,2-Trichlorotrifluoroethane	12.4		0.25	0.50	1.00	ug/L
Q1608-17	RE132D5-2025031[illegible]	Water	1,1-Dichloroethene	2.80		0.23	0.75	1.00	ug/L
Q1608-17	RE132D5-2025031[illegible]	Water	Acetone	1.80	J	1.50	3.80	5.00	ug/L
Q1608-17	RE132D5-2025031[illegible]	Water	cis-1,2-Dichloroethene	1.70		0.19	0.75	1.00	ug/L
Q1608-17	RE132D5-2025031[illegible]	Water	Chloroform	1.40		0.25	0.50	1.00	ug/L
Q1608-17	RE132D5-2025031[illegible]	Water	Trichloroethene	160	E	0.090	0.75	1.00	ug/L
			Total Voc :	182					
			Total Concentration:	182					
Client ID:	**RE132D5-20250318DL**								
Q1608-17DL	RE132D5-2025031[illegible]	Water	1,1,2-Trichlorotrifluoroethane	12.4	D	1.00	2.00	4.00	ug/L
Q1608-17DL	RE132D5-2025031[illegible]	Water	1,1-Dichloroethene	2.90	JD	0.92	3.00	4.00	ug/L
Q1608-17DL	RE132D5-2025031[illegible]	Water	Trichloroethene	150	D	0.37	3.00	4.00	ug/L
			Total Voc :	165					
			Total Concentration:	165					
Client ID:	**RE132D6-20250318**								
Q1608-18	RE132D6-2025031[illegible]	Water	1,1,2-Trichlorotrifluoroethane	41.7		0.25	0.50	1.00	ug/L
Q1608-18	RE132D6-2025031[illegible]	Water	1,1-Dichloroethene	10.8		0.23	0.75	1.00	ug/L
Q1608-18	RE132D6-2025031[illegible]	Water	Acetone	1.60	J	1.50	3.80	5.00	ug/L
Q1608-18	RE132D6-2025031[illegible]	Water	Carbon Tetrachloride	2.40		0.25	0.50	1.00	ug/L
Q1608-18	RE132D6-2025031[illegible]	Water	cis-1,2-Dichloroethene	4.20		0.19	0.75	1.00	ug/L
Q1608-18	RE132D6-2025031[illegible]	Water	Chloroform	1.90		0.25	0.50	1.00	ug/L
Q1608-18	RE132D6-2025031[illegible]	Water	Trichloroethene	1600	E	0.090	0.75	1.00	ug/L
Q1608-18	RE132D6-2025031[illegible]	Water	1,1,2-Trichloroethane	1.40		0.21	0.50	1.00	ug/L
Q1608-18	RE132D6-2025031[illegible]	Water	Tetrachloroethene	3.30		0.23	0.50	1.00	ug/L
			Total Voc :	1670					
			Total Concentration:	1670					

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Hit Summary Sheet
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SDG No.: Q1608

Client: AECOM Technical Services, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID:	**RE132D6-20250318DL**								
Q1608-18DL	RE132D6-2025031	Water	Trichloroethene	1700	D	4.70	37.5	50.0	ug/L
			Total Voc :	1700					
			Total Concentration:	1700					
Client ID:	**RE132D7-20250318**								
Q1608-19	RE132D7-2025031	Water	1,1,2-Trichlorotrifluoroethane	20.6		0.25	0.50	1.00	ug/L
Q1608-19	RE132D7-2025031	Water	1,1-Dichloroethene	7.10		0.23	0.75	1.00	ug/L
Q1608-19	RE132D7-2025031	Water	Acetone	1.80	J	1.50	3.80	5.00	ug/L
Q1608-19	RE132D7-2025031	Water	1,1-Dichloroethane	1.70		0.23	0.50	1.00	ug/L
Q1608-19	RE132D7-2025031	Water	Carbon Tetrachloride	1.40		0.25	0.50	1.00	ug/L
Q1608-19	RE132D7-2025031	Water	cis-1,2-Dichloroethene	3.60		0.19	0.75	1.00	ug/L
Q1608-19	RE132D7-2025031	Water	Chloroform	1.40		0.25	0.50	1.00	ug/L
Q1608-19	RE132D7-2025031	Water	Trichloroethene	1400	E	0.090	0.75	1.00	ug/L
Q1608-19	RE132D7-2025031	Water	1,1,2-Trichloroethane	0.91	J	0.21	0.50	1.00	ug/L
Q1608-19	RE132D7-2025031	Water	Tetrachloroethene	3.50		0.23	0.50	1.00	ug/L
			Total Voc :	1440					
			Total Concentration:	1440					
Client ID:	**RE132D7-20250318DL**								
Q1608-19DL	RE132D7-2025031	Water	Trichloroethene	1300	D	1.90	15.0	20.0	ug/L
			Total Voc :	1300					
			Total Concentration:	1300					
Client ID:	**RE117D2-20250319**								
Q1608-20	RE117D2-2025031	Water	Acetone	2.40	J	1.50	3.80	5.00	ug/L
Q1608-20	RE117D2-2025031	Water	Trichloroethene	6.20		0.090	0.75	1.00	ug/L
			Total Voc :	8.60					
			Total Concentration:	8.60					
Client ID:	**TT101D2-20250319**								
Q1608-21	TT101D2-2025031	Water	1,1,2-Trichlorotrifluoroethane	37.5		0.25	0.50	1.00	ug/L
Q1608-21	TT101D2-2025031	Water	1,1-Dichloroethene	10.8		0.23	0.75	1.00	ug/L
Q1608-21	TT101D2-2025031	Water	Acetone	1.80	J	1.50	3.80	5.00	ug/L
Q1608-21	TT101D2-2025031	Water	1,1-Dichloroethane	2.00		0.23	0.50	1.00	ug/L
Q1608-21	TT101D2-2025031	Water	Carbon Tetrachloride	1.40		0.25	0.50	1.00	ug/L
Q1608-21	TT101D2-2025031	Water	cis-1,2-Dichloroethene	3.80		0.19	0.75	1.00	ug/L
Q1608-21	TT101D2-2025031	Water	Chloroform	1.30		0.25	0.50	1.00	ug/L
Q1608-21	TT101D2-2025031	Water	Trichloroethene	1500	E	0.090	0.75	1.00	ug/L
Q1608-21	TT101D2-2025031	Water	1,1,2-Trichloroethane	1.00		0.21	0.50	1.00	ug/L
Q1608-21	TT101D2-2025031	Water	Tetrachloroethene	4.90		0.23	0.50	1.00	ug/L
			Total Voc :	1560					
			Total Concentration:	1560					

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Hit Summary Sheet
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SDG No.: Q1608

Client: AECOM Technical Services, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID:	**TT101D2-20250319DL**								
Q1608-21DL	TT101D2-2025031S	Water	1,1,2-Trichlorotrifluoroethane	33.8	JD	10.0	20.0	40.0	ug/L
Q1608-21DL	TT101D2-2025031S	Water	1,1-Dichloroethene	10.4	JD	9.20	30.0	40.0	ug/L
Q1608-21DL	TT101D2-2025031S	Water	Trichloroethene	1400	D	3.70	30.0	40.0	ug/L
			Total Voc :	1440					
			Total Concentration:	1440					
Client ID:	**TT161S1-20250319**								
Q1608-22	TT161S1-20250319	Water	1,1-Dichloroethene	0.68	J	0.23	0.75	1.00	ug/L
Q1608-22	TT161S1-20250319	Water	Acetone	1.50	J	1.50	3.80	5.00	ug/L
Q1608-22	TT161S1-20250319	Water	Methyl tert-butyl Ether	0.77	J	0.16	0.50	1.00	ug/L
Q1608-22	TT161S1-20250319	Water	1,1-Dichloroethane	2.70		0.23	0.50	1.00	ug/L
Q1608-22	TT161S1-20250319	Water	Trichloroethene	6.30		0.090	0.75	1.00	ug/L
			Total Voc :	11.9					
			Total Concentration:	11.9					
Client ID:	**TT189D2-20250319**								
Q1608-23	TT189D2-2025031S	Water	1,1,2-Trichlorotrifluoroethane	23.1		0.25	0.50	1.00	ug/L
Q1608-23	TT189D2-2025031S	Water	1,1-Dichloroethene	1.70		0.23	0.75	1.00	ug/L
Q1608-23	TT189D2-2025031S	Water	Acetone	2.40	J	1.50	3.80	5.00	ug/L
Q1608-23	TT189D2-2025031S	Water	cis-1,2-Dichloroethene	3.30		0.19	0.75	1.00	ug/L
Q1608-23	TT189D2-2025031S	Water	Trichloroethene	100		0.090	0.75	1.00	ug/L
Q1608-23	TT189D2-2025031S	Water	Tetrachloroethene	0.48	J	0.23	0.50	1.00	ug/L
			Total Voc :	131					
			Total Concentration:	131					
Client ID:	**RW8-MW01S-20250319**								
Q1608-24	RW8-MW01S-2025	Water	Acetone	1.70	J	1.50	3.80	5.00	ug/L
Q1608-24	RW8-MW01S-2025	Water	Trichloroethene	1.70		0.090	0.75	1.00	ug/L
			Total Voc :	3.40					
			Total Concentration:	3.40					
Client ID:	**RW8-MW01D1-20250319**								
Q1608-25	RW8-MW01D1-202	Water	Acetone	2.10	J	1.50	3.80	5.00	ug/L
Q1608-25	RW8-MW01D1-202	Water	Trichloroethene	1.10		0.090	0.75	1.00	ug/L
			Total Voc :	3.20					
			Total Concentration:	3.20					
Client ID:	**RW8-MW01D2-20250319**								
Q1608-26	RW8-MW01D2-202	Water	Acetone	1.80	J	1.50	3.80	5.00	ug/L
Q1608-26	RW8-MW01D2-202	Water	Trichloroethene	0.71	J	0.090	0.75	1.00	ug/L
			Total Voc :	2.51					
			Total Concentration:	2.51					
Client ID:	**RW8-MW01D3-20250319**								
Q1608-27	RW8-MW01D3-202	Water	Acetone	1.70	J	1.50	3.80	5.00	ug/L

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Hit Summary Sheet
SW-846

SDG No.: Q1608

Client: AECOM Technical Services, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Q1608-27	RW8-MW01D3-202	Water	Trichloroethene	0.66	J	0.090	0.75	1.00	ug/L
			Total Voc :	2.36					
			Total Concentration:	2.36					
Client ID:	**DUP09-20250319**								
Q1608-28	DUP09-20250319	Water	Acetone	2.20	J	1.50	3.80	5.00	ug/L
Q1608-28	DUP09-20250319	Water	Trichloroethene	0.51	J	0.090	0.75	1.00	ug/L
			Total Voc :	2.71					
			Total Concentration:	2.71					

QC SUMMARY

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Surrogate Summary

SDG No.: Q1608

Client: AECOM Technical Services, Inc.

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
Q1608-01	TT172S1-20250317	1,2-Dichloroethane-d4	50	58.3	117	81	118
		Dibromofluoromethane	50	53.8	108	80	119
		Toluene-d8	50	52.1	104	89	112
		4-Bromofluorobenzene	50	55.9	112	85	114
Q1608-02	RE139D1-20250317	1,2-Dichloroethane-d4	50	58.6	117	81	118
		Dibromofluoromethane	50	53.7	107	80	119
		Toluene-d8	50	51.9	104	89	112
		4-Bromofluorobenzene	50	55.4	111	85	114
Q1608-02DL	RE139D1-20250317DL	1,2-Dichloroethane-d4	50	58.4	117	81	118
		Dibromofluoromethane	50	53.3	107	80	119
		Toluene-d8	50	51.2	102	89	112
		4-Bromofluorobenzene	50	54.6	109	85	114
Q1608-03	RE139D2-20250317	1,2-Dichloroethane-d4	50	59.5	119 *	81	118
		Dibromofluoromethane	50	54.5	109	80	119
		Toluene-d8	50	51.3	103	89	112
		4-Bromofluorobenzene	50	53.8	108	85	114
Q1608-03DL	RE139D2-20250317DL	1,2-Dichloroethane-d4	50	57.1	114	81	118
		Dibromofluoromethane	50	53.9	108	80	119
		Toluene-d8	50	51.5	103	89	112
		4-Bromofluorobenzene	50	52.1	104	85	114
Q1608-04	TT205S1-20250317	1,2-Dichloroethane-d4	50	57.2	114	81	118
		Dibromofluoromethane	50	52.9	106	80	119
		Toluene-d8	50	51.8	104	89	112
		4-Bromofluorobenzene	50	50.4	101	85	114
Q1608-05	DUP07-20250317	1,2-Dichloroethane-d4	50	57.4	115	81	118
		Dibromofluoromethane	50	52.6	105	80	119
		Toluene-d8	50	52.4	105	89	112
		4-Bromofluorobenzene	50	52.6	105	85	114
Q1608-06	TT163S1-20250317	1,2-Dichloroethane-d4	50	57.3	115	81	118
		Dibromofluoromethane	50	52.8	106	80	119
		Toluene-d8	50	52.1	104	89	112
		4-Bromofluorobenzene	50	52.3	105	85	114
Q1608-07	RW11-MW01S-20250317	1,2-Dichloroethane-d4	50	57.8	116	81	118
		Dibromofluoromethane	50	54.2	108	80	119
		Toluene-d8	50	52.2	104	89	112
		4-Bromofluorobenzene	50	54.2	108	85	114
Q1608-08	RW11-MW01I-20250317	1,2-Dichloroethane-d4	50	55.6	111	81	118
		Dibromofluoromethane	50	52.4	105	80	119
		Toluene-d8	50	49.9	100	89	112
		4-Bromofluorobenzene	50	50.8	102	85	114
Q1608-09	GM38-RW3-MW1-20250318	1,2-Dichloroethane-d4	50	56.1	112	81	118
		Dibromofluoromethane	50	52.1	104	80	119
		Toluene-d8	50	50.4	101	89	112
		4-Bromofluorobenzene	50	52.2	104	85	114
Q1608-10	DUP08-20250318	1,2-Dichloroethane-d4	50	57.4	115	81	118
		Dibromofluoromethane	50	52.0	104	80	119
		Toluene-d8	50	50.6	101	89	112
		4-Bromofluorobenzene	50	52.1	104	85	114
Q1608-10DL	DUP08-20250318DL	1,2-Dichloroethane-d4	50	54.7	109	81	118
		Dibromofluoromethane	50	48.3	97	80	119

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Surrogate Summary

SDG No.: Q1608

Client: AECOM Technical Services, Inc.

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery	Qual	Limits Low	Limits High
Q1608-10DL	DUP08-20250318DL	Toluene-d8	50	47.8	96		89	112
		4-Bromofluorobenzene	50	50.5	101		85	114
Q1608-11	RE132D1-20250318	1,2-Dichloroethane-d4	50	52.8	106		81	118
		Dibromofluoromethane	50	48.4	97		80	119
		Toluene-d8	50	46.5	93		89	112
		4-Bromofluorobenzene	50	48.3	97		85	114
Q1608-12MS	RE132D1-20250318MS	1,2-Dichloroethane-d4	50	56.7	113		81	118
		Dibromofluoromethane	50	52.9	106		80	119
		Toluene-d8	50	50.1	100		89	112
		4-Bromofluorobenzene	50	57.4	115	*	85	114
Q1608-13MSD	RE132D1-20250318MSD	1,2-Dichloroethane-d4	50	56.3	113		81	118
		Dibromofluoromethane	50	53.0	106		80	119
		Toluene-d8	50	50.5	101		89	112
		4-Bromofluorobenzene	50	56.7	113		85	114
Q1608-14	RE132D2-20250318	1,2-Dichloroethane-d4	50	57.3	115		81	118
		Dibromofluoromethane	50	53.3	107		80	119
		Toluene-d8	50	50.6	101		89	112
		4-Bromofluorobenzene	50	53.6	107		85	114
Q1608-14RE	RE132D2-20250318RE	1,2-Dichloroethane-d4	50	52.8	106		81	118
		Dibromofluoromethane	50	49.5	99		80	119
		Toluene-d8	50	47.8	96		89	112
		4-Bromofluorobenzene	50	51.4	103		85	114
Q1608-15	RE132D3-20250318	1,2-Dichloroethane-d4	50	56.6	113		81	118
		Dibromofluoromethane	50	52.5	105		80	119
		Toluene-d8	50	49.9	100		89	112
		4-Bromofluorobenzene	50	51.4	103		85	114
Q1608-16	RE132D4-20250318	1,2-Dichloroethane-d4	50	55.6	111		81	118
		Dibromofluoromethane	50	52.3	105		80	119
		Toluene-d8	50	49.9	100		89	112
		4-Bromofluorobenzene	50	52.9	106		85	114
Q1608-16DL	RE132D4-20250318DL	1,2-Dichloroethane-d4	50	55.4	111		81	118
		Dibromofluoromethane	50	48.5	97		80	119
		Toluene-d8	50	48.0	96		89	112
		4-Bromofluorobenzene	50	51.2	102		85	114
Q1608-17	RE132D5-20250318	1,2-Dichloroethane-d4	50	57.7	115		81	118
		Dibromofluoromethane	50	52.4	105		80	119
		Toluene-d8	50	50.8	102		89	112
		4-Bromofluorobenzene	50	55.0	110		85	114
Q1608-17DL	RE132D5-20250318DL	1,2-Dichloroethane-d4	50	52.9	106		81	118
		Dibromofluoromethane	50	49.1	98		80	119
		Toluene-d8	50	47.5	95		89	112
		4-Bromofluorobenzene	50	51.4	103		85	114
Q1608-18	RE132D6-20250318	1,2-Dichloroethane-d4	50	56.1	112		81	118
		Dibromofluoromethane	50	51.7	103		80	119
		Toluene-d8	50	48.2	96		89	112
		4-Bromofluorobenzene	50	53.3	107		85	114
Q1608-18DL	RE132D6-20250318DL	1,2-Dichloroethane-d4	50	53.6	107		81	118
		Dibromofluoromethane	50	48.2	96		80	119
		Toluene-d8	50	47.0	94		89	112
		4-Bromofluorobenzene	50	47.7	95		85	114

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Surrogate Summary

SDG No.: Q1608

Client: AECOM Technical Services, Inc.

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
Q1608-19	RE132D7-20250318	1,2-Dichloroethane-d4	50	55.8	112	81	118
		Dibromofluoromethane	50	52.6	105	80	119
		Toluene-d8	50	49.3	99	89	112
		4-Bromofluorobenzene	50	52.1	104	85	114
Q1608-19DL	RE132D7-20250318DL	1,2-Dichloroethane-d4	50	53.9	108	81	118
		Dibromofluoromethane	50	49.8	100	80	119
		Toluene-d8	50	47.4	95	89	112
		4-Bromofluorobenzene	50	51.1	102	85	114
Q1608-20	RE117D2-20250319	1,2-Dichloroethane-d4	50	56.0	112	81	118
		Dibromofluoromethane	50	52.2	104	80	119
		Toluene-d8	50	50.4	101	89	112
		4-Bromofluorobenzene	50	53.2	106	85	114
Q1608-21	TT101D2-20250319	1,2-Dichloroethane-d4	50	55.1	110	81	118
		Dibromofluoromethane	50	50.3	101	80	119
		Toluene-d8	50	47.8	96	89	112
		4-Bromofluorobenzene	50	51.9	104	85	114
Q1608-21DL	TT101D2-20250319DL	1,2-Dichloroethane-d4	50	55.0	110	81	118
		Dibromofluoromethane	50	49.3	99	80	119
		Toluene-d8	50	48.4	97	89	112
		4-Bromofluorobenzene	50	52.7	105	85	114
Q1608-22	TT161S1-20250319	1,2-Dichloroethane-d4	50	55.4	111	81	118
		Dibromofluoromethane	50	51.0	102	80	119
		Toluene-d8	50	48.3	97	89	112
		4-Bromofluorobenzene	50	51.2	102	85	114
Q1608-23	TT189D2-20250319	1,2-Dichloroethane-d4	50	54.9	110	81	118
		Dibromofluoromethane	50	50.0	100	80	119
		Toluene-d8	50	48.9	98	89	112
		4-Bromofluorobenzene	50	50.4	101	85	114
Q1608-24	RW8-MW01S-20250319	1,2-Dichloroethane-d4	50	58.0	116	81	118
		Dibromofluoromethane	50	52.3	105	80	119
		Toluene-d8	50	50.6	101	89	112
		4-Bromofluorobenzene	50	53.1	106	85	114
Q1608-25	RW8-MW01D1-20250319	1,2-Dichloroethane-d4	50	54.3	109	81	118
		Dibromofluoromethane	50	51.7	103	80	119
		Toluene-d8	50	48.2	96	89	112
		4-Bromofluorobenzene	50	48.2	96	85	114
Q1608-26	RW8-MW01D2-20250319	1,2-Dichloroethane-d4	50	55.1	110	81	118
		Dibromofluoromethane	50	51.2	102	80	119
		Toluene-d8	50	48.8	98	89	112
		4-Bromofluorobenzene	50	51.0	102	85	114
Q1608-27	RW8-MW01D3-20250319	1,2-Dichloroethane-d4	50	55.5	111	81	118
		Dibromofluoromethane	50	51.3	103	80	119
		Toluene-d8	50	49.1	98	89	112
		4-Bromofluorobenzene	50	50.8	102	85	114
Q1608-28	DUP09-20250319	1,2-Dichloroethane-d4	50	57.0	114	81	118
		Dibromofluoromethane	50	51.8	104	80	119
		Toluene-d8	50	50.4	101	89	112
		4-Bromofluorobenzene	50	50.8	102	85	114
Q1608-29	TB	1,2-Dichloroethane-d4	50	55.4	111	81	118
		Dibromofluoromethane	50	52.2	104	80	119

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Surrogate Summary

SDG No.: Q1608

Client: AECOM Technical Services, Inc.

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
Q1608-29	TB	Toluene-d8	50	50.0	100	89	112
		4-Bromofluorobenzene	50	51.5	103	85	114
VX0321WBL01	VX0321WBL01	1,2-Dichloroethane-d4	50	56.9	114	81	118
		Dibromofluoromethane	50	53.4	107	80	119
		Toluene-d8	50	51.9	104	89	112
		4-Bromofluorobenzene	50	56.1	112	85	114
VX0321WBS01	VX0321WBS01	1,2-Dichloroethane-d4	50	54.8	110	81	118
		Dibromofluoromethane	50	54.1	108	80	119
		Toluene-d8	50	51.3	102	89	112
		4-Bromofluorobenzene	50	54.7	109	85	114
VX0324WBL01	VX0324WBL01	1,2-Dichloroethane-d4	50	58.0	116	81	118
		Dibromofluoromethane	50	53.6	107	80	119
		Toluene-d8	50	50.6	101	89	112
		4-Bromofluorobenzene	50	52.6	105	85	114
VX0324WBS01	VX0324WBS01	1,2-Dichloroethane-d4	50	57.0	114	81	118
		Dibromofluoromethane	50	56.2	112	80	119
		Toluene-d8	50	52.5	105	89	112
		4-Bromofluorobenzene	50	55.9	112	85	114
VX0325WBL01	VX0325WBL01	1,2-Dichloroethane-d4	50	58.3	117	81	118
		Dibromofluoromethane	50	54.2	108	80	119
		Toluene-d8	50	51.0	102	89	112
		4-Bromofluorobenzene	50	54.8	110	85	114
VX0325WBS02	VX0325WBS02	1,2-Dichloroethane-d4	50	56.6	113	81	118
		Dibromofluoromethane	50	53.4	107	80	119
		Toluene-d8	50	50.2	100	89	112
		4-Bromofluorobenzene	50	54.3	109	85	114

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1608

Client: AECOM Technical Services, Inc.

Analytical Method: SW8260-Low

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Lab Sample ID : Q1608-12MS		**Client Sample ID : RE132D1-20250318MS**							**Datafile :** VX045453.D		
Dichlorodifluoromethane	50	0	63.1	ug/L	126				32	152	
Chloromethane	50	0	54.1	ug/L	108				50	139	
Vinyl chloride	50	0	49.4	ug/L	99				58	137	
Bromomethane	50	0	56.7	ug/L	113				53	141	
Chloroethane	50	0	56.0	ug/L	112				60	138	
Trichlorofluoromethane	50	0	53.8	ug/L	108				65	141	
1,1,2-Trichlorotrifluoroethane	50	4.90	62.5	ug/L	115				70	136	
1,1-Dichloroethene	50	0.74	53.5	ug/L	106				71	131	
Acetone	250	1.70	270	ug/L	107				39	160	
Carbon disulfide	50	0	47.8	ug/L	96				64	133	
Methyl tert-butyl Ether	50	0.76	53.4	ug/L	105				71	124	
Methyl Acetate	50	0	46.2	ug/L	92				56	136	
Methylene Chloride	50	0	50.6	ug/L	101				74	124	
trans-1,2-Dichloroethene	50	0	53.4	ug/L	107				75	124	
1,1-Dichloroethane	50	0	53.7	ug/L	107				77	125	
Cyclohexane	50	0	54.8	ug/L	110				71	130	
2-Butanone	250	0	280	ug/L	112				56	143	
Carbon Tetrachloride	50	0	55.6	ug/L	111				72	136	
cis-1,2-Dichloroethene	50	2.20	54.6	ug/L	105				78	123	
Bromochloromethane	50	0	55.1	ug/L	110				78	123	
Chloroform	50	2.10	56.5	ug/L	109				79	124	
1,1,1-Trichloroethane	50	0	56.4	ug/L	113				74	131	
Methylcyclohexane	50	0	55.8	ug/L	112				72	132	
Benzene	50	0	52.3	ug/L	105				79	120	
1,2-Dichloroethane	50	0	58.4	ug/L	117				73	128	
Trichloroethene	50	140	180	ug/L	80				79	123	
1,2-Dichloropropane	50	0	50.4	ug/L	101				78	122	
Bromodichloromethane	50	0	54.7	ug/L	109				79	125	
4-Methyl-2-Pentanone	250	0	280	ug/L	112				67	130	
Toluene	50	0	53.4	ug/L	107				80	121	
t-1,3-Dichloropropene	50	0	54.4	ug/L	109				73	127	
cis-1,3-Dichloropropene	50	0	53.1	ug/L	106				75	124	
1,1,2-Trichloroethane	50	0	52.9	ug/L	106				80	119	
2-Hexanone	250	0	300	ug/L	120				57	139	
Dibromochloromethane	50	0	54.1	ug/L	108				74	126	
1,2-Dibromoethane	50	0	53.8	ug/L	108				77	121	
Tetrachloroethene	50	4.50	58.2	ug/L	107				74	129	
Chlorobenzene	50	0	51.8	ug/L	104				82	118	
Ethyl Benzene	50	0	54.0	ug/L	108				79	121	
m/p-Xylenes	100	0	110	ug/L	110				80	121	
o-Xylene	50	0	52.0	ug/L	104				78	122	
Styrene	50	0	55.7	ug/L	111				78	123	
Bromoform	50	0	54.7	ug/L	109				66	130	
Isopropylbenzene	50	0	51.7	ug/L	103				72	131	
1,1,2,2-Tetrachloroethane	50	0	50.4	ug/L	101				71	121	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1608

Client: AECOM Technical Services, Inc.

Analytical Method: SW8260-Low

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
1,3-Dichlorobenzene	50	0	51.3	ug/L	103				80	119	
1,4-Dichlorobenzene	50	0	50.0	ug/L	100				79	118	
1,2-Dichlorobenzene	50	0	51.6	ug/L	103				80	119	
1,2-Dibromo-3-Chloropropane	50	0	56.1	ug/L	112				62	128	
1,2,4-Trichlorobenzene	50	0	50.9	ug/L	102				69	130	
1,2,3-Trichlorobenzene	50	0	49.8	ug/L	100				69	129	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1608

Client: AECOM Technical Services, Inc.

Analytical Method: SW8260-Low

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Lab Sample ID : Q1608-13MSD		**Client Sample ID : RE132D1-20250318MSD**						**Datafile :** VX045454.D			
Dichlorodifluoromethane	50	0	62.5	ug/L	125		1		32	152	20
Chloromethane	50	0	52.3	ug/L	105		3		50	139	20
Vinyl chloride	50	0	48.2	ug/L	96		2		58	137	20
Bromomethane	50	0	56.7	ug/L	113		0		53	141	20
Chloroethane	50	0	53.8	ug/L	108		4		60	138	20
Trichlorofluoromethane	50	0	53.6	ug/L	107		0		65	141	20
1,1,2-Trichlorotrifluoroethane	50	4.90	61.5	ug/L	113		2		70	136	20
1,1-Dichloroethene	50	0.74	52.9	ug/L	104		2		71	131	20
Acetone	250	1.70	260	ug/L	103		4		39	160	20
Carbon disulfide	50	0	49.1	ug/L	98		3		64	133	20
Methyl tert-butyl Ether	50	0.76	54.9	ug/L	108		3		71	124	20
Methyl Acetate	50	0	46.6	ug/L	93		1		56	136	20
Methylene Chloride	50	0	51.4	ug/L	103		2		74	124	20
trans-1,2-Dichloroethene	50	0	53.8	ug/L	108		1		75	124	20
1,1-Dichloroethane	50	0	53.8	ug/L	108		0		77	125	20
Cyclohexane	50	0	55.4	ug/L	111		1		71	130	20
2-Butanone	250	0	270	ug/L	108		4		56	143	20
Carbon Tetrachloride	50	0	58.1	ug/L	116		4		72	136	20
cis-1,2-Dichloroethene	50	2.20	54.9	ug/L	105		0		78	123	20
Bromochloromethane	50	0	49.4	ug/L	99		11		78	123	20
Chloroform	50	2.10	57.4	ug/L	111		2		79	124	20
1,1,1-Trichloroethane	50	0	57.6	ug/L	115		2		74	131	20
Methylcyclohexane	50	0	57.9	ug/L	116		4		72	132	20
Benzene	50	0	53.4	ug/L	107		2		79	120	20
1,2-Dichloroethane	50	0	60.8	ug/L	122		4		73	128	20
Trichloroethene	50	140	190	ug/L	100		22	*	79	123	20
1,2-Dichloropropane	50	0	52.7	ug/L	105		4		78	122	20
Bromodichloromethane	50	0	57.1	ug/L	114		4		79	125	20
4-Methyl-2-Pentanone	250	0	280	ug/L	112		0		67	130	20
Toluene	50	0	55.8	ug/L	112		4		80	121	20
t-1,3-Dichloropropene	50	0	58.8	ug/L	118		8		73	127	20
cis-1,3-Dichloropropene	50	0	57.3	ug/L	115		8		75	124	20
1,1,2-Trichloroethane	50	0	54.5	ug/L	109		3		80	119	20
2-Hexanone	250	0	290	ug/L	116		3		57	139	20
Dibromochloromethane	50	0	57.4	ug/L	115		6		74	126	20
1,2-Dibromoethane	50	0	55.4	ug/L	111		3		77	121	20
Tetrachloroethene	50	4.50	59.7	ug/L	110		3		74	129	20
Chlorobenzene	50	0	54.5	ug/L	109		5		82	118	20
Ethyl Benzene	50	0	56.7	ug/L	113		5		79	121	20
m/p-Xylenes	100	0	110	ug/L	110		0		80	121	20
o-Xylene	50	0	54.4	ug/L	109		5		78	122	20
Styrene	50	0	56.8	ug/L	114		2		78	123	20
Bromoform	50	0	54.2	ug/L	108		1		66	130	20
Isopropylbenzene	50	0	55.4	ug/L	111		7		72	131	20
1,1,2,2-Tetrachloroethane	50	0	50.8	ug/L	102		1		71	121	20

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1608

Client: AECOM Technical Services, Inc.

Analytical Method: SW8260-Low

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
1,3-Dichlorobenzene	50	0	52.2	ug/L	104		2		80	119	20
1,4-Dichlorobenzene	50	0	51.5	ug/L	103		3		79	118	20
1,2-Dichlorobenzene	50	0	53.5	ug/L	107		4		80	119	20
1,2-Dibromo-3-Chloropropane	50	0	57.1	ug/L	114		2		62	128	20
1,2,4-Trichlorobenzene	50	0	51.9	ug/L	104		2		69	130	20
1,2,3-Trichlorobenzene	50	0	51.0	ug/L	102		2		69	129	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1608

Client: AECOM Technical Services, Inc.

Analytical Method: SW8260-Low **Datafile :** VX045378.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX0321WBS01	Dichlorodifluoromethane	20	17.6	ug/L	88			32	152	
	Chloromethane	20	15.3	ug/L	77			50	139	
	Vinyl chloride	20	15.4	ug/L	77			58	137	
	Bromomethane	20	18.2	ug/L	91			53	141	
	Chloroethane	20	19.3	ug/L	97			60	138	
	Trichlorofluoromethane	20	17.9	ug/L	90			65	141	
	1,1,2-Trichlorotrifluoroethane	20	20.6	ug/L	103			70	136	
	1,1-Dichloroethene	20	18.1	ug/L	91			71	131	
	Acetone	100	99.7	ug/L	100			39	160	
	Carbon disulfide	20	13.9	ug/L	70			64	133	
	Methyl tert-butyl Ether	20	19.2	ug/L	96			71	124	
	Methyl Acetate	20	26.0	ug/L	130			56	136	
	Methylene Chloride	20	18.8	ug/L	94			74	124	
	trans-1,2-Dichloroethene	20	18.3	ug/L	92			75	124	
	1,1-Dichloroethane	20	19.4	ug/L	97			77	125	
	Cyclohexane	20	18.3	ug/L	92			71	130	
	2-Butanone	100	100	ug/L	100			56	143	
	Carbon Tetrachloride	20	20.1	ug/L	101			72	136	
	cis-1,2-Dichloroethene	20	19.4	ug/L	97			78	123	
	Bromochloromethane	20	17.2	ug/L	86			78	123	
	Chloroform	20	20.2	ug/L	101			79	124	
	1,1,1-Trichloroethane	20	20.3	ug/L	102			74	131	
	Methylcyclohexane	20	19.1	ug/L	96			72	132	
	Benzene	20	19.2	ug/L	96			79	120	
	1,2-Dichloroethane	20	21.6	ug/L	108			73	128	
	Trichloroethene	20	18.7	ug/L	94			79	123	
	1,2-Dichloropropane	20	19.2	ug/L	96			78	122	
	Bromodichloromethane	20	20.7	ug/L	104			79	125	
	4-Methyl-2-Pentanone	100	110	ug/L	110			67	130	
	Toluene	20	19.8	ug/L	99			80	121	
	t-1,3-Dichloropropene	20	20.1	ug/L	101			73	127	
	cis-1,3-Dichloropropene	20	20.1	ug/L	101			75	124	
	1,1,2-Trichloroethane	20	20.4	ug/L	102			80	119	
	2-Hexanone	100	110	ug/L	110			57	139	
	Dibromochloromethane	20	21.0	ug/L	105			74	126	
	1,2-Dibromoethane	20	20.0	ug/L	100			77	121	
	Tetrachloroethene	20	19.7	ug/L	99			74	129	
	Chlorobenzene	20	19.5	ug/L	98			82	118	
	Ethyl Benzene	20	19.9	ug/L	100			79	121	
	m/p-Xylenes	40	40.0	ug/L	100			80	121	
	o-Xylene	20	19.8	ug/L	99			78	122	
	Styrene	20	20.2	ug/L	101			78	123	
	Bromoform	20	20.1	ug/L	101			66	130	
	Isopropylbenzene	20	20.4	ug/L	102			72	131	
	1,1,2,2-Tetrachloroethane	20	20.4	ug/L	102			71	121	
	1,3-Dichlorobenzene	20	19.1	ug/L	96			80	119	
	1,4-Dichlorobenzene	20	19.3	ug/L	97			79	118	
	1,2-Dichlorobenzene	20	19.6	ug/L	98			80	119	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1608

Client: AECOM Technical Services, Inc.

Analytical Method: SW8260-Low **Datafile :** VX045378.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX0321WBS01	1,2-Dibromo-3-Chloropropane	20	20.0	ug/L	100			62	128	
	1,2,4-Trichlorobenzene	20	18.4	ug/L	92			69	130	
	1,2,3-Trichlorobenzene	20	18.5	ug/L	93			69	129	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1608

Client: AECOM Technical Services, Inc.

Analytical Method: SW8260-Low **Datafile :** VX045406.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX0324WBS01	Dichlorodifluoromethane	20	17.8	ug/L	89			32	152	
	Chloromethane	20	14.6	ug/L	73			50	139	
	Vinyl chloride	20	14.8	ug/L	74			58	137	
	Bromomethane	20	18.0	ug/L	90			53	141	
	Chloroethane	20	19.0	ug/L	95			60	138	
	Trichlorofluoromethane	20	18.5	ug/L	93			65	141	
	1,1,2-Trichlorotrifluoroethane	20	20.7	ug/L	104			70	136	
	1,1-Dichloroethene	20	17.8	ug/L	89			71	131	
	Acetone	100	97.3	ug/L	97			39	160	
	Carbon disulfide	20	13.9	ug/L	70			64	133	
	Methyl tert-butyl Ether	20	19.7	ug/L	99			71	124	
	Methyl Acetate	20	27.0	ug/L	135			56	136	
	Methylene Chloride	20	18.5	ug/L	93			74	124	
	trans-1,2-Dichloroethene	20	18.2	ug/L	91			75	124	
	1,1-Dichloroethane	20	19.6	ug/L	98			77	125	
	Cyclohexane	20	17.8	ug/L	89			71	130	
	2-Butanone	100	100	ug/L	100			56	143	
	Carbon Tetrachloride	20	20.7	ug/L	104			72	136	
	cis-1,2-Dichloroethene	20	19.4	ug/L	97			78	123	
	Bromochloromethane	20	21.2	ug/L	106			78	123	
	Chloroform	20	20.4	ug/L	102			79	124	
	1,1,1-Trichloroethane	20	20.4	ug/L	102			74	131	
	Methylcyclohexane	20	19.2	ug/L	96			72	132	
	Benzene	20	19.4	ug/L	97			79	120	
	1,2-Dichloroethane	20	21.8	ug/L	109			73	128	
	Trichloroethene	20	19.5	ug/L	98			79	123	
	1,2-Dichloropropane	20	19.9	ug/L	100			78	122	
	Bromodichloromethane	20	20.9	ug/L	104			79	125	
	4-Methyl-2-Pentanone	100	110	ug/L	110			67	130	
	Toluene	20	20.0	ug/L	100			80	121	
	t-1,3-Dichloropropene	20	20.8	ug/L	104			73	127	
	cis-1,3-Dichloropropene	20	21.0	ug/L	105			75	124	
	1,1,2-Trichloroethane	20	21.3	ug/L	106			80	119	
	2-Hexanone	100	110	ug/L	110			57	139	
	Dibromochloromethane	20	20.8	ug/L	104			74	126	
	1,2-Dibromoethane	20	20.4	ug/L	102			77	121	
	Tetrachloroethene	20	20.2	ug/L	101			74	129	
	Chlorobenzene	20	19.8	ug/L	99			82	118	
	Ethyl Benzene	20	19.9	ug/L	100			79	121	
	m/p-Xylenes	40	39.9	ug/L	100			80	121	
	o-Xylene	20	19.7	ug/L	99			78	122	
	Styrene	20	20.0	ug/L	100			78	123	
	Bromoform	20	20.4	ug/L	102			66	130	
	Isopropylbenzene	20	21.2	ug/L	106			72	131	
	1,1,2,2-Tetrachloroethane	20	20.8	ug/L	104			71	121	
	1,3-Dichlorobenzene	20	19.6	ug/L	98			80	119	
	1,4-Dichlorobenzene	20	19.4	ug/L	97			79	118	
	1,2-Dichlorobenzene	20	20.0	ug/L	100			80	119	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1608

Client: AECOM Technical Services, Inc.

Analytical Method: SW8260-Low **Datafile :** VX045406.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX0324WBS01	1,2-Dibromo-3-Chloropropane	20	21.2	ug/L	106			62	128	
	1,2,4-Trichlorobenzene	20	18.2	ug/L	91			69	130	
	1,2,3-Trichlorobenzene	20	18.6	ug/L	93			69	129	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1608

Client: AECOM Technical Services, Inc.

Analytical Method: SW8260-Low **Datafile :** VX045436.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX0325WBS02	Dichlorodifluoromethane	20	19.5	ug/L	98			32	152	
	Chloromethane	20	16.0	ug/L	80			50	139	
	Vinyl chloride	20	16.0	ug/L	80			58	137	
	Bromomethane	20	19.6	ug/L	98			53	141	
	Chloroethane	20	19.7	ug/L	99			60	138	
	Trichlorofluoromethane	20	20.0	ug/L	100			65	141	
	1,1,2-Trichlorotrifluoroethane	20	22.6	ug/L	113			70	136	
	1,1-Dichloroethene	20	19.6	ug/L	98			71	131	
	Acetone	100	110	ug/L	110			39	160	
	Carbon disulfide	20	14.0	ug/L	70			64	133	
	Methyl tert-butyl Ether	20	21.5	ug/L	108			71	124	
	Methyl Acetate	20	29.4	ug/L	147		*	56	136	
	Methylene Chloride	20	20.2	ug/L	101			74	124	
	trans-1,2-Dichloroethene	20	20.1	ug/L	101			75	124	
	1,1-Dichloroethane	20	21.5	ug/L	108			77	125	
	Cyclohexane	20	19.7	ug/L	99			71	130	
	2-Butanone	100	110	ug/L	110			56	143	
	Carbon Tetrachloride	20	21.8	ug/L	109			72	136	
	cis-1,2-Dichloroethene	20	20.8	ug/L	104			78	123	
	Bromochloromethane	20	24.3	ug/L	121			78	123	
	Chloroform	20	22.3	ug/L	112			79	124	
	1,1,1-Trichloroethane	20	22.3	ug/L	112			74	131	
	Methylcyclohexane	20	20.5	ug/L	103			72	132	
	Benzene	20	20.5	ug/L	103			79	120	
	1,2-Dichloroethane	20	23.9	ug/L	119			73	128	
	Trichloroethene	20	20.5	ug/L	103			79	123	
	1,2-Dichloropropane	20	21.1	ug/L	106			78	122	
	Bromodichloromethane	20	22.7	ug/L	114			79	125	
	4-Methyl-2-Pentanone	100	110	ug/L	110			67	130	
	Toluene	20	21.4	ug/L	107			80	121	
	t-1,3-Dichloropropene	20	22.1	ug/L	111			73	127	
	cis-1,3-Dichloropropene	20	22.4	ug/L	112			75	124	
	1,1,2-Trichloroethane	20	22.3	ug/L	112			80	119	
	2-Hexanone	100	110	ug/L	110			57	139	
	Dibromochloromethane	20	22.0	ug/L	110			74	126	
	1,2-Dibromoethane	20	21.7	ug/L	109			77	121	
	Tetrachloroethene	20	21.6	ug/L	108			74	129	
	Chlorobenzene	20	21.4	ug/L	107			82	118	
	Ethyl Benzene	20	21.6	ug/L	108			79	121	
	m/p-Xylenes	40	43.1	ug/L	108			80	121	
	o-Xylene	20	21.4	ug/L	107			78	122	
	Styrene	20	21.7	ug/L	109			78	123	
	Bromoform	20	21.4	ug/L	107			66	130	
	Isopropylbenzene	20	22.5	ug/L	113			72	131	
	1,1,2,2-Tetrachloroethane	20	21.4	ug/L	107			71	121	
	1,3-Dichlorobenzene	20	21.0	ug/L	105			80	119	
	1,4-Dichlorobenzene	20	20.5	ug/L	103			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.: Q1608

Client: AECOM Technical Services, Inc.

Analytical Method: SW8260-Low **Datafile :** VX045436.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX0325WBS02	1,2-Dibromo-3-Chloropropane	20	22.1	ug/L	111			62	128	
	1,2,4-Trichlorobenzene	20	20.1	ug/L	101			69	130	
	1,2,3-Trichlorobenzene	20	20.3	ug/L	102			69	129	

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VX0321WBL01

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: Q1608 SAS No.: Q1608 SDG NO.: Q1608

Lab File ID: VX045377.D Lab Sample ID: VX0321WBL01

Date Analyzed: 03/21/2025 Time Analyzed: 10:52

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
VX0321WBS01	VX0321WBS01	VX045378.D	03/21/2025
TT172S1-20250317	Q1608-01	VX045394.D	03/21/2025
RE139D1-20250317	Q1608-02	VX045395.D	03/21/2025
RE139D2-20250317	Q1608-03	VX045396.D	03/21/2025
TT205S1-20250317	Q1608-04	VX045397.D	03/21/2025
DUP07-20250317	Q1608-05	VX045398.D	03/21/2025
TT163S1-20250317	Q1608-06	VX045399.D	03/21/2025
RW11-MW01S-20250317	Q1608-07	VX045400.D	03/21/2025

COMMENTS:

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VX0324WBL01

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: Q1608 SAS No.: Q1608 SDG NO.: Q1608

Lab File ID: VX045405.D Lab Sample ID: VX0324WBL01

Date Analyzed: 03/24/2025 Time Analyzed: 11:19

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
VX0324WBS01	VX0324WBS01	VX045406.D	03/24/2025
RE139D1-20250317DL	Q1608-02DL	VX045408.D	03/24/2025
RE139D2-20250317DL	Q1608-03DL	VX045409.D	03/24/2025
TB	Q1608-29	VX045410.D	03/24/2025
RW11-MW01I-20250317	Q1608-08	VX045411.D	03/24/2025
GM38-RW3-MW1-20250318	Q1608-09	VX045412.D	03/24/2025
DUP08-20250318	Q1608-10	VX045413.D	03/24/2025
RE132D2-20250318	Q1608-14	VX045414.D	03/24/2025
RE132D3-20250318	Q1608-15	VX045415.D	03/24/2025
RE132D4-20250318	Q1608-16	VX045416.D	03/24/2025
RE132D5-20250318	Q1608-17	VX045417.D	03/24/2025
RE132D6-20250318	Q1608-18	VX045418.D	03/24/2025
RE132D7-20250318	Q1608-19	VX045419.D	03/24/2025
RE117D2-20250319	Q1608-20	VX045420.D	03/24/2025
TT101D2-20250319	Q1608-21	VX045421.D	03/24/2025
TT161S1-20250319	Q1608-22	VX045422.D	03/24/2025
TT189D2-20250319	Q1608-23	VX045423.D	03/24/2025
RW8-MW01S-20250319	Q1608-24	VX045424.D	03/24/2025
RW8-MW01D1-20250319	Q1608-25	VX045425.D	03/24/2025
RW8-MW01D2-20250319	Q1608-26	VX045426.D	03/24/2025
RW8-MW01D3-20250319	Q1608-27	VX045427.D	03/24/2025
DUP09-20250319	Q1608-28	VX045428.D	03/24/2025

COMMENTS:

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VX0325WBL01

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: Q1608 SAS No.: Q1608 SDG NO.: Q1608

Lab File ID: VX045433.D Lab Sample ID: VX0325WBL01

Date Analyzed: 03/25/2025 Time Analyzed: 12:22

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
DUP08-20250318DL	Q1608-10DL	VX045435.D	03/25/2025
VX0325WBS02	VX0325WBS02	VX045436.D	03/25/2025
RE132D5-20250318DL	Q1608-17DL	VX045437.D	03/25/2025
RE132D7-20250318DL	Q1608-19DL	VX045438.D	03/25/2025
TT101D2-20250319DL	Q1608-21DL	VX045439.D	03/25/2025
RE132D6-20250318DL	Q1608-18DL	VX045440.D	03/25/2025
RE132D2-20250318RE	Q1608-14RE	VX045441.D	03/25/2025
RE132D4-20250318DL	Q1608-16DL	VX045442.D	03/25/2025
RE132D1-20250318	Q1608-11	VX045452.D	03/25/2025
RE132D1-20250318MS	Q1608-12MS	VX045453.D	03/25/2025
RE132D1-20250318MSD	Q1608-13MSD	VX045454.D	03/25/2025

COMMENTS:

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: Q1608 SAS No.: Q1608 SDG NO.: Q1608

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.: Q1608 SAS No.: Q1608 SDG NO.: Q1608

Lab File ID: VX045374.D BFB Injection Date: 03/21/2025

Instrument ID: MSVOA_X BFB Injection Time: 09:29

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	22.7
75	30.0 - 60.0% of mass 95	55.8
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	0.7 (1) 1
174	50.0 - 100.0% of mass 95	71
175	5.0 - 9.0% of mass 174	5.3 (7.5) 1
176	95.0 - 101.0% of mass 174	69.5 (98) 1
177	5.0 - 9.0% of mass 176	4.4 (6.3) 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	VX045375.D	03/21/2025	10:00
VX0321WBL01	VX0321WBL01	VX045377.D	03/21/2025	10:52
VX0321WBS01	VX0321WBS01	VX045378.D	03/21/2025	11:15
TT172S1-20250317	Q1608-01	VX045394.D	03/21/2025	17:35
RE139D1-20250317	Q1608-02	VX045395.D	03/21/2025	17:58
RE139D2-20250317	Q1608-03	VX045396.D	03/21/2025	18:21
TT205S1-20250317	Q1608-04	VX045397.D	03/21/2025	18:44
DUP07-20250317	Q1608-05	VX045398.D	03/21/2025	19:08
TT163S1-20250317	Q1608-06	VX045399.D	03/21/2025	19:31
RW11-MW01S-20250317	Q1608-07	VX045400.D	03/21/2025	19:54
VSTDCCC050EC	VSTDCCC050	VX045401.D	03/21/2025	20:41

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: Q1608 SAS No.: Q1608 SDG NO.: Q1608

Lab File ID: VX045402.D BFB Injection Date: 03/24/2025

Instrument ID: MSVOA_X BFB Injection Time: 09:58

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	54.5
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	0.7 (1) 1
174	50.0 - 100.0% of mass 95	69.5
175	5.0 - 9.0% of mass 174	5.4 (7.8) 1
176	95.0 - 101.0% of mass 174	66.2 (95.2) 1
177	5.0 - 9.0% of mass 176	4.4 (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	VX045403.D	03/24/2025	10:26
VX0324WBL01	VX0324WBL01	VX045405.D	03/24/2025	11:19
VX0324WBS01	VX0324WBS01	VX045406.D	03/24/2025	11:42
RE139D1-20250317DL	Q1608-02DL	VX045408.D	03/24/2025	12:34
RE139D2-20250317DL	Q1608-03DL	VX045409.D	03/24/2025	12:57
TB	Q1608-29	VX045410.D	03/24/2025	13:20
RW11-MW01I-20250317	Q1608-08	VX045411.D	03/24/2025	13:44
GM38-RW3-MW1-20250318	Q1608-09	VX045412.D	03/24/2025	14:07
DUP08-20250318	Q1608-10	VX045413.D	03/24/2025	14:30
RE132D2-20250318	Q1608-14	VX045414.D	03/24/2025	14:54
RE132D3-20250318	Q1608-15	VX045415.D	03/24/2025	15:17
RE132D4-20250318	Q1608-16	VX045416.D	03/24/2025	15:41
RE132D5-20250318	Q1608-17	VX045417.D	03/24/2025	16:04
RE132D6-20250318	Q1608-18	VX045418.D	03/24/2025	16:27
RE132D7-20250318	Q1608-19	VX045419.D	03/24/2025	16:50
RE117D2-20250319	Q1608-20	VX045420.D	03/24/2025	17:14
TT101D2-20250319	Q1608-21	VX045421.D	03/24/2025	17:37
TT161S1-20250319	Q1608-22	VX045422.D	03/24/2025	18:00

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: Q1608 SAS No.: Q1608 SDG NO.: Q1608

Lab File ID: VX045402.D BFB Injection Date: 03/24/2025

Instrument ID: MSVOA_X BFB Injection Time: 09:58

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	54.5
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	0.7 (1) 1
174	50.0 - 100.0% of mass 95	69.5
175	5.0 - 9.0% of mass 174	5.4 (7.8) 1
176	95.0 - 101.0% of mass 174	66.2 (95.2) 1
177	5.0 - 9.0% of mass 176	4.4 (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
TT189D2-20250319	Q1608-23	VX045423.D	03/24/2025	18:23
RW8-MW01S-20250319	Q1608-24	VX045424.D	03/24/2025	18:46
RW8-MW01D1-20250319	Q1608-25	VX045425.D	03/24/2025	19:10
RW8-MW01D2-20250319	Q1608-26	VX045426.D	03/24/2025	19:33
RW8-MW01D3-20250319	Q1608-27	VX045427.D	03/24/2025	19:56
DUP09-20250319	Q1608-28	VX045428.D	03/24/2025	20:19
VSTDCCC050EC	VSTDCCC050	VX045429.D	03/24/2025	20:42

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: Q1608 SAS No.: Q1608 SDG NO.: Q1608

Lab File ID: VX045430.D BFB Injection Date: 03/25/2025

Instrument ID: MSVOA_X BFB Injection Time: 09:37

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	55.4
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	0.9 (1.2) 1
174	50.0 - 100.0% of mass 95	72.4
175	5.0 - 9.0% of mass 174	5.4 (7.5) 1
176	95.0 - 101.0% of mass 174	69.5 (96.1) 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
VSTDCCC050	VSTDCCC050	VX045431.D	03/25/2025	11:31
VX0325WBL01	VX0325WBL01	VX045433.D	03/25/2025	12:22
DUP08-20250318DL	Q1608-10DL	VX045435.D	03/25/2025	13:12
VX0325WBS02	VX0325WBS02	VX045436.D	03/25/2025	13:35
RE132D5-20250318DL	Q1608-17DL	VX045437.D	03/25/2025	14:03
RE132D7-20250318DL	Q1608-19DL	VX045438.D	03/25/2025	14:26
TT101D2-20250319DL	Q1608-21DL	VX045439.D	03/25/2025	14:50
RE132D6-20250318DL	Q1608-18DL	VX045440.D	03/25/2025	15:13
RE132D2-20250318RE	Q1608-14RE	VX045441.D	03/25/2025	15:36
RE132D4-20250318DL	Q1608-16DL	VX045442.D	03/25/2025	15:59
RE132D1-20250318	Q1608-11	VX045452.D	03/25/2025	19:51
RE132D1-20250318MS	Q1608-12MS	VX045453.D	03/25/2025	20:14
RE132D1-20250318MSD	Q1608-13MSD	VX045454.D	03/25/2025	20:37
VSTDCCC050EC	VSTDCCC050	VX045455.D	03/25/2025	21:00

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: Q1608 SAS No.: Q1608 SDG NO.: Q1608

Lab File ID: VX045375.D Date Analyzed: 03/21/2025

Instrument ID: MSVOA_X Time Analyzed: 10:00

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	92791	5.54	160605	6.75	137508	10.05
UPPER LIMIT	185582	6.043	321210	7.25	275016	10.549
LOWER LIMIT	46395.5	5.043	80302.5	6.25	68754	9.549
EPA SAMPLE NO.						
TT172S1-20250317	66207	5.54	129916	6.76	122794	10.05
RE139D1-20250317	64859	5.55	126689	6.76	117104	10.05
RE139D2-20250317	66410	5.54	131424	6.76	121699	10.05
TT205S1-20250317	68231	5.54	134675	6.76	120991	10.06
DUP07-20250317	72170	5.54	142036	6.76	130424	10.05
TT163S1-20250317	64623	5.55	126814	6.76	116621	10.05
RW11-MW01S-20250317	64919	5.54	124910	6.76	116362	10.05
VX0321WBL01	67403	5.54	133286	6.76	125274	10.05
VX0321WBS01	96755	5.54	172413	6.76	151575	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.: Q1608 SAS No.: Q1608 SDG NO.: Q1608

Lab File ID: VX045375.D Date Analyzed: 03/21/2025

Instrument ID: MSVOA_X Time Analyzed: 10:00

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

	IS4 AREA #	RT #				
12 HOUR STD	63153	12.018				
UPPER LIMIT	126306	12.518				
LOWER LIMIT	31576.5	11.518				
EPA SAMPLE NO.						
TT172S1-20250317	51514	12.02				
RE139D1-20250317	48854	12.02				
RE139D2-20250317	50801	12.02				
TT205S1-20250317	44710	12.02				
DUP07-20250317	50856	12.02				
TT163S1-20250317	44709	12.02				
RW11-MW01S-20250317	47301	12.02				
VX0321WBL01	52894	12.02				
VX0321WBS01	67294	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.: Q1608 SAS No.: Q1608 SDG NO.: Q1608

Lab File ID: VX045403.D Date Analyzed: 03/24/2025

Instrument ID: MSVOA_X Time Analyzed: 10:26

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	98391	5.54	170340	6.75	144708	10.05
UPPER LIMIT	196782	6.044	340680	7.251	289416	10.549
LOWER LIMIT	49195.5	5.044	85170	6.251	72354	9.549
EPA SAMPLE NO.						
RE139D1-20250317DL	65545	5.54	130703	6.76	120320	10.06
RE139D2-20250317DL	67782	5.55	131487	6.76	118431	10.06
RW11-MW01I-20250317	69252	5.54	135280	6.76	123533	10.05
GM38-RW3-MW1-20250318	72484	5.54	143019	6.76	128743	10.06
DUP08-20250318	66432	5.55	131180	6.76	119040	10.06
RE132D2-20250318	66901	5.54	130401	6.76	119535	10.05
RE132D3-20250318	69281	5.55	134579	6.76	121432	10.06
RE132D4-20250318	74803	5.54	145079	6.76	132750	10.06
RE132D5-20250318	64789	5.55	128718	6.76	120307	10.05
RE132D6-20250318	67647	5.54	132501	6.76	119350	10.05
RE132D7-20250318	67443	5.55	131029	6.76	118374	10.05
RE117D2-20250319	69702	5.55	134926	6.76	126257	10.05
TT101D2-20250319	65556	5.55	129819	6.76	119568	10.05
TT161S1-20250319	67871	5.54	133134	6.76	121041	10.05
TT189D2-20250319	64309	5.55	126415	6.76	114275	10.05
RW8-MW01S-20250319	67003	5.54	132767	6.76	123522	10.05
RW8-MW01D1-20250319	73419	5.55	139770	6.76	122679	10.06
RW8-MW01D2-20250319	78092	5.55	151034	6.76	136081	10.06
RW8-MW01D3-20250319	66010	5.54	128913	6.76	117995	10.05
DUP09-20250319	63255	5.55	122676	6.76	112419	10.06
TB	76966	5.55	149564	6.76	133451	10.05
VX0324WBL01	69924	5.55	137486	6.76	126117	10.06
VX0324WBS01	93978	5.54	165678	6.76	146061	10.06

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: Q1608 SAS No.: Q1608 SDG NO.: Q1608

Lab File ID: VX045403.D Date Analyzed: 03/24/2025

Instrument ID: MSVOA_X Time Analyzed: 10:26

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	98391	5.54	170340	6.75	144708	10.05
UPPER LIMIT	196782	6.044	340680	7.251	289416	10.549
LOWER LIMIT	49195.5	5.044	85170	6.251	72354	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.: Q1608 SAS No.: Q1608 SDG NO.: Q1608

Lab File ID: VX045403.D Date Analyzed: 03/24/2025

Instrument ID: MSVOA_X Time Analyzed: 10:26

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

	IS4 AREA #	RT #				
12 HOUR STD	64628	12.018				
UPPER LIMIT	129256	12.518				
LOWER LIMIT	32314	11.518				
EPA SAMPLE NO.						
RE139D1-20250317DL	49744	12.02				
RE139D2-20250317DL	46305	12.02				
RW11-MW01I-20250317	47787	12.02				
GM38-RW3-MW1-20250318	52056	12.02				
DUP08-20250318	45448	12.02				
RE132D2-20250318	48538	12.02				
RE132D3-20250318	47134	12.02				
RE132D4-20250318	54723	12.02				
RE132D5-20250318	50372	12.02				
RE132D6-20250318	50651	12.02				
RE132D7-20250318	49435	12.02				
RE117D2-20250319	50122	12.02				
TT101D2-20250319	47597	12.02				
TT161S1-20250319	49396	12.02				
TT189D2-20250319	45637	12.02				
RW8-MW01S-20250319	50743	12.02				
RW8-MW01D1-20250319	49536	12.02				
RW8-MW01D2-20250319	56752	12.02				
RW8-MW01D3-20250319	46255	12.02				
DUP09-20250319	42476	12.02				
TB	52355	12.02				
VX0324WBL01	49419	12.02				
VX0324WBS01	63508	12.02				

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: Q1608 SAS No.: Q1608 SDG NO.: Q1608

Lab File ID: VX045403.D Date Analyzed: 03/24/2025

Instrument ID: MSVOA_X Time Analyzed: 10:26

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

	IS4 AREA #	RT #				
12 HOUR STD	64628	12.018				
UPPER LIMIT	129256	12.518				
LOWER LIMIT	32314	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.: Q1608 SAS No.: Q1608 SDG NO.: Q1608

Lab File ID: VX045431.D Date Analyzed: 03/25/2025

Instrument ID: MSVOA_X Time Analyzed: 11:31

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	83260	5.54	144945	6.76	129576	10.05
UPPER LIMIT	166520	6.044	289890	7.257	259152	10.549
LOWER LIMIT	41630	5.044	72472.5	6.257	64788	9.549
EPA SAMPLE NO.						
DUP08-20250318DL	66948	5.54	133107	6.76	120920	10.05
RE132D1-20250318	72182	5.54	140177	6.76	126304	10.05
RE132D1-20250318MS	75274	5.54	137526	6.76	121362	10.05
RE132D1-20250318MSD	80493	5.54	144565	6.76	128766	10.05
RE132D2-20250318RE	81844	5.54	157686	6.76	147292	10.05
RE132D4-20250318DL	69510	5.54	138470	6.76	127707	10.05
RE132D5-20250318DL	67394	5.54	132021	6.76	120711	10.05
RE132D6-20250318DL	64442	5.54	126973	6.76	112628	10.05
RE132D7-20250318DL	72406	5.54	142524	6.76	130699	10.05
TT101D2-20250319DL	70652	5.54	139172	6.76	131487	10.05
VX0325WBL01	71237	5.55	137150	6.76	123936	10.05
VX0325WBS02	88260	5.54	159282	6.76	137098	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.: Q1608 SAS No.: Q1608 SDG NO.: Q1608

Lab File ID: VX045431.D Date Analyzed: 03/25/2025

Instrument ID: MSVOA_X Time Analyzed: 11:31

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

	IS4 AREA #	RT #				
12 HOUR STD	63016	12.018				
UPPER LIMIT	126032	12.518				
LOWER LIMIT	31508	11.518				
EPA SAMPLE NO.						
DUP08-20250318DL	49927	12.02				
RE132D1-20250318	48163	12.02				
RE132D1-20250318MS	57274	12.02				
RE132D1-20250318MSD	58991	12.02				
RE132D2-20250318RE	58705	12.02				
RE132D4-20250318DL	50801	12.02				
RE132D5-20250318DL	50385	12.02				
RE132D6-20250318DL	42200	12.02				
RE132D7-20250318DL	51895	12.02				
TT101D2-20250319DL	54151	12.02				
VX0325WBL01	50683	12.02				
VX0325WBS02	60910	12.02				

IS4 = 1,4-Dichlorobenzene-d4

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

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

SAMPLE DATA

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Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	03/17/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/19/25
Client Sample ID:	TT172S1-20250317	SDG No.:	Q1608
Lab Sample ID:	Q1608-01	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
VX045394.D	1		03/21/25 17:35	VX032125

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	1.20		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	2.00	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	33.3		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	0.37	J	0.14	0.50	1.00	ug/L

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Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	03/17/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/19/25
Client Sample ID:	TT172S1-20250317	SDG No.:	Q1608
Lab Sample ID:	Q1608-01	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
VX045394.D	1		03/21/25 17:35	VX032125

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	1.50		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	58.3		81 - 118		117%	SPK: 50
1868-53-7	Dibromofluoromethane	53.8		80 - 119		108%	SPK: 50
2037-26-5	Toluene-d8	52.1		89 - 112		104%	SPK: 50
460-00-4	4-Bromofluorobenzene	55.9		85 - 114		112%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	66200	5.544				
540-36-3	1,4-Difluorobenzene	130000	6.757				
3114-55-4	Chlorobenzene-d5	123000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	51500	12.018				

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Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	03/17/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/19/25
Client Sample ID:	TT172S1-20250317	SDG No.:	Q1608
Lab Sample ID:	Q1608-01	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
VX045394.D	1		03/21/25 17:35	VX032125

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\VX032125\
Data File : VX045394.D
Acq On : 21 Mar 2025 17:35
Operator : JC/MD
Sample : Q1608-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TT172S1-20250317

Quant Time: Mar 21 23:18:45 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

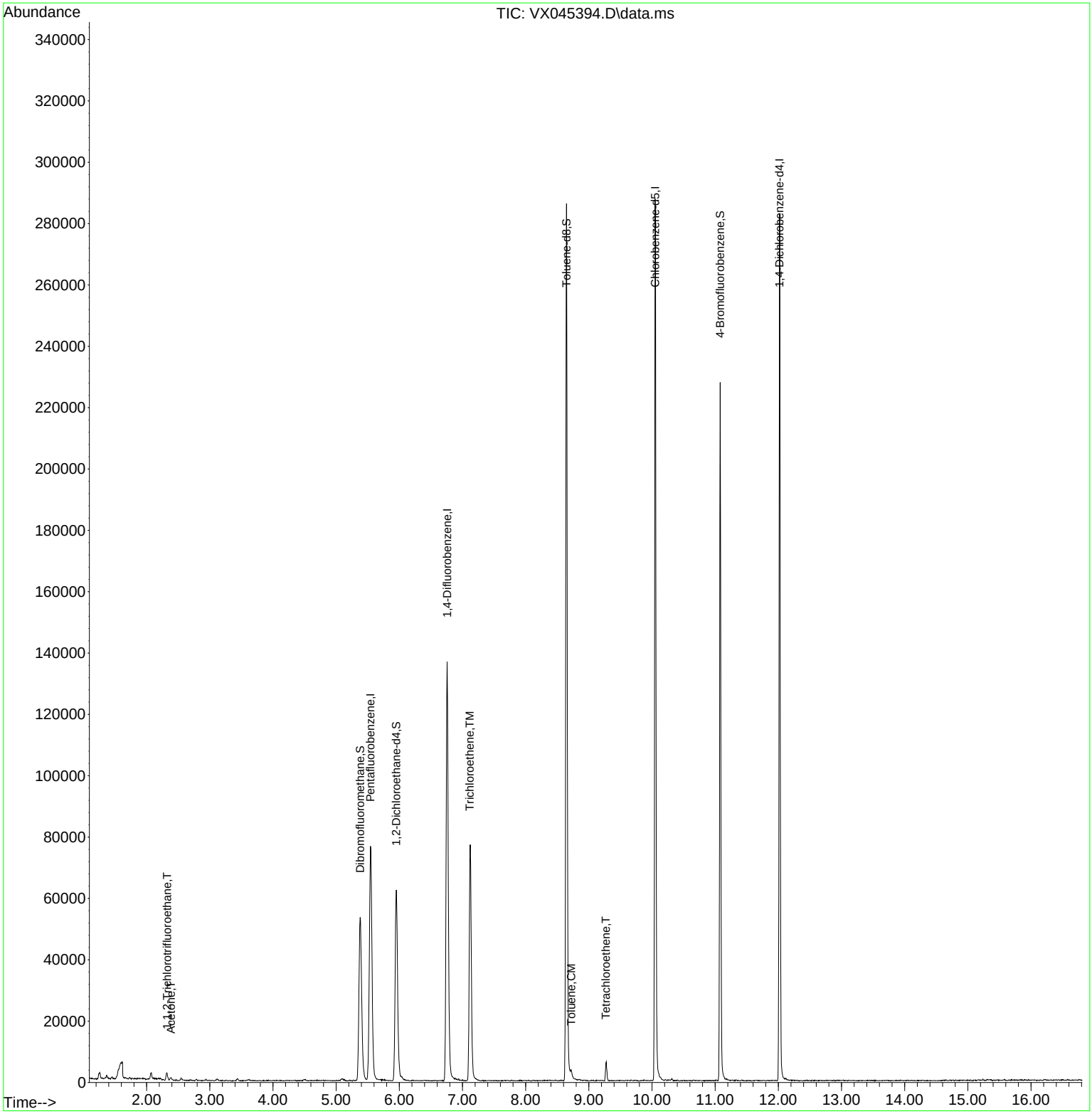
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	66207	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	129916	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	122794	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	51514	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	61439	58.340	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 116.680%			
35) Dibromofluoromethane	5.379	113	46700	53.758	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.520%			
50) Toluene-d8	8.647	98	164183	52.132	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.260%			
62) 4-Bromofluorobenzene	11.079	95	58315	55.878	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 111.760%			
Target Compounds						Qvalue
9) 1,1,2-Trichlorotrifluo...	2.325	101	938	1.219	ug/l	96
16) Acetone	2.386	43	982	2.010	ug/l	99
44) Trichloroethene	7.117	130	29385	33.265	ug/l	96
52) Toluene	8.720	92	823	0.373	ug/l	86
64) Tetrachloroethene	9.269	164	1171	1.489	ug/l #	85

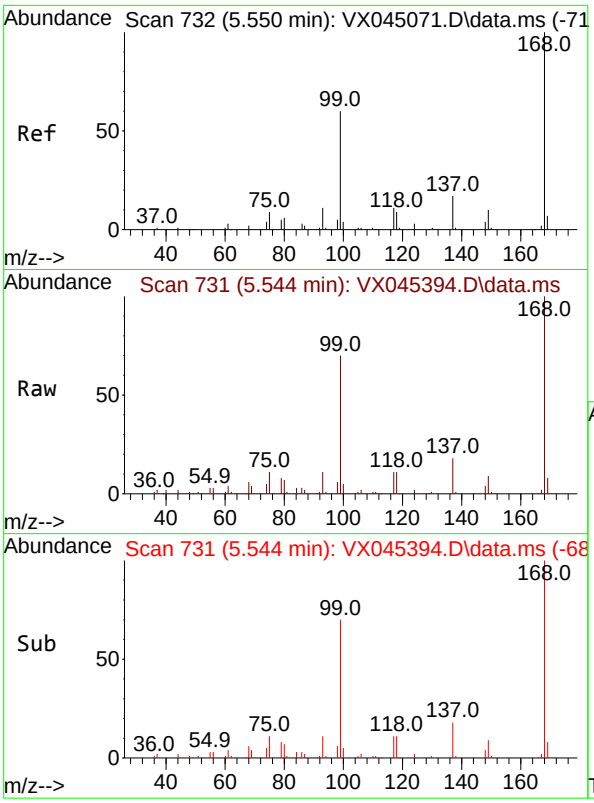
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032125\
Data File : VX045394.D
Acq On : 21 Mar 2025 17:35
Operator : JC/MD
Sample : Q1608-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TT172S1-20250317

Quant Time: Mar 21 23:18:45 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



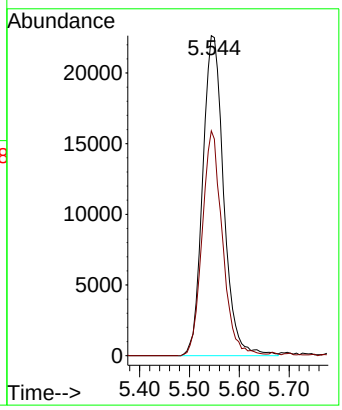


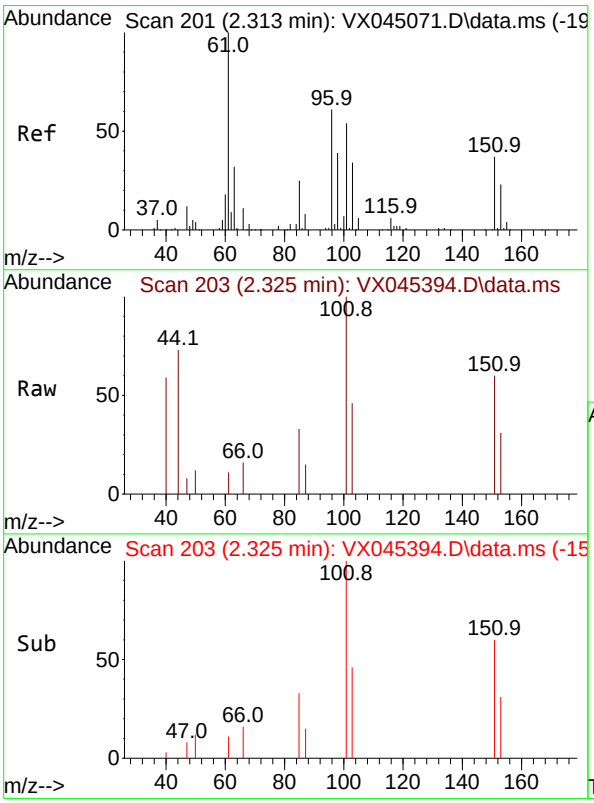
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045394.D
Acq: 21 Mar 2025 17:35

Instrument :
MSVOA_X
ClientSampleId :
TT172S1-20250317

Tgt Ion:168 Resp: 66207

Ion	Ratio	Lower	Upper
168	100		
99	70.2	48.2	72.4

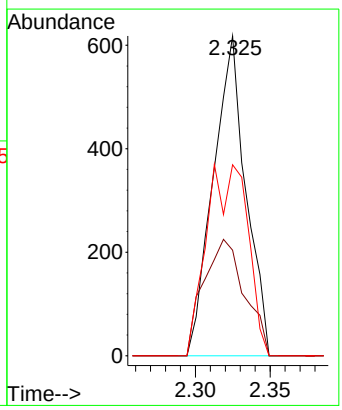


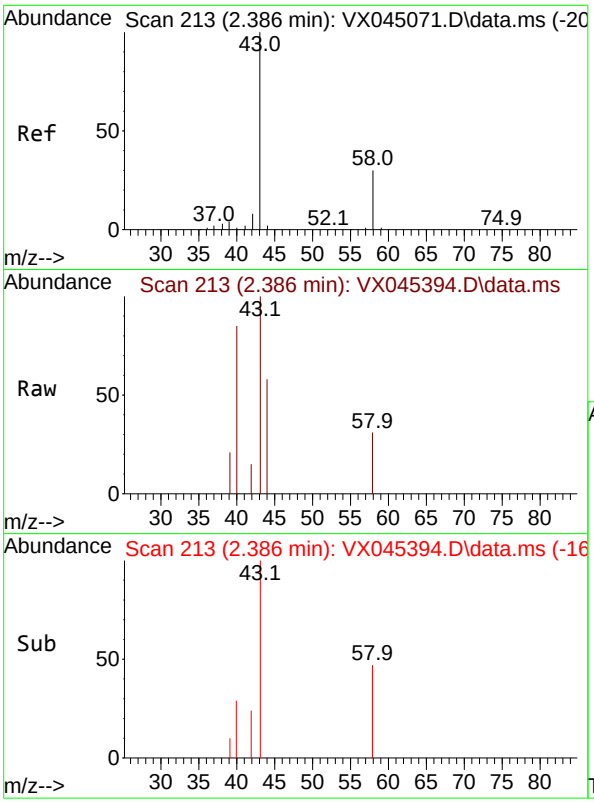


#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.219 ug/l
RT: 2.325 min Scan# 203
Delta R.T. 0.012 min
Lab File: VX045394.D
Acq: 21 Mar 2025 17:35

Tgt Ion:101 Resp: 938

Ion	Ratio	Lower	Upper
101	100		
85	45.7	36.2	54.4
151	75.6	56.4	84.6



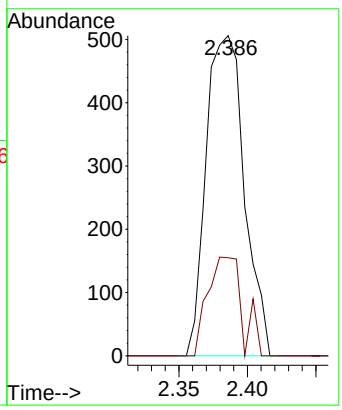


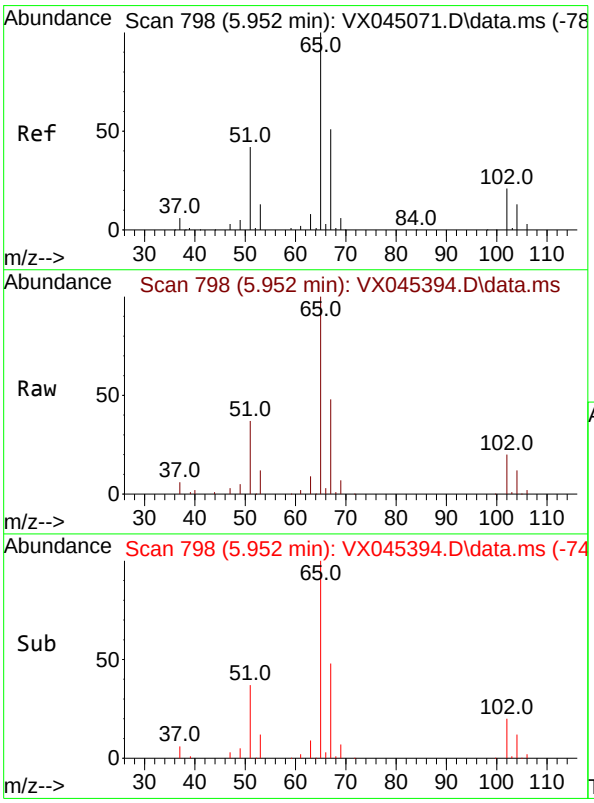
#16
Acetone
Concen: 2.010 ug/l
RT: 2.386 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX045394.D
Acq: 21 Mar 2025 17:35

Instrument :
MSVOA_X
ClientSampleId :
TT172S1-20250317

Tgt Ion: 43 Resp: 982

Ion	Ratio	Lower	Upper
43	100		
58	30.6	24.2	36.4

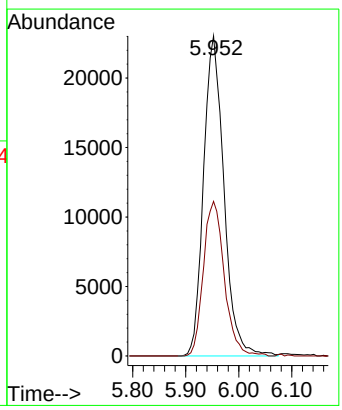


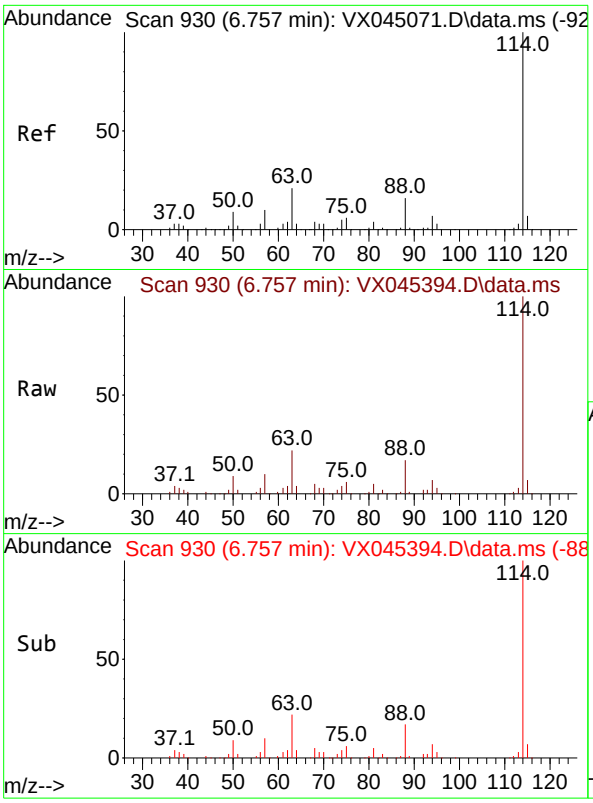


#33
1,2-Dichloroethane-d4
Concen: 58.340 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX045394.D
Acq: 21 Mar 2025 17:35

Tgt Ion: 65 Resp: 61439

Ion	Ratio	Lower	Upper
65	100		
67	49.6	0.0	106.2



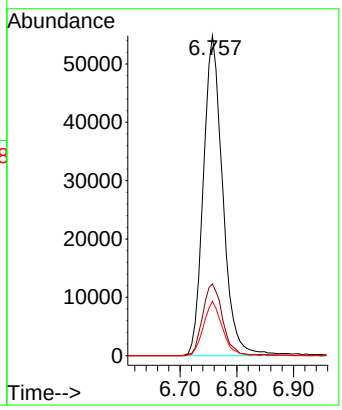


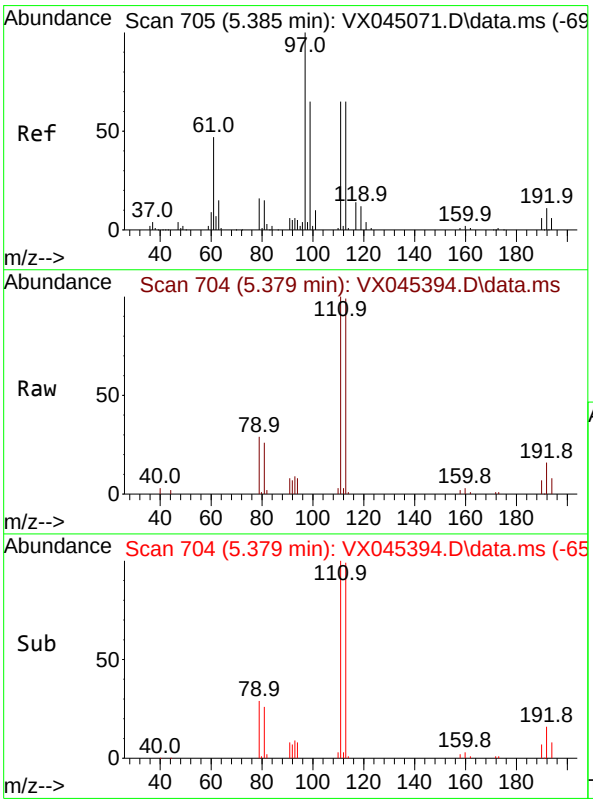
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 9
Delta R.T. 0.000 min
Lab File: VX045394.D
Acq: 21 Mar 2025 17:35

Instrument :
MSVOA_X
ClientSampleId :
TT172S1-20250317

Tgt Ion:114 Resp: 129916

Ion	Ratio	Lower	Upper
114	100		
63	22.4	0.0	41.8
88	17.0	0.0	32.8

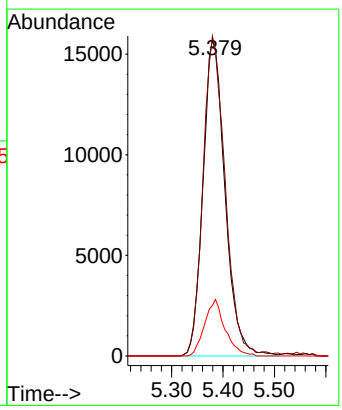


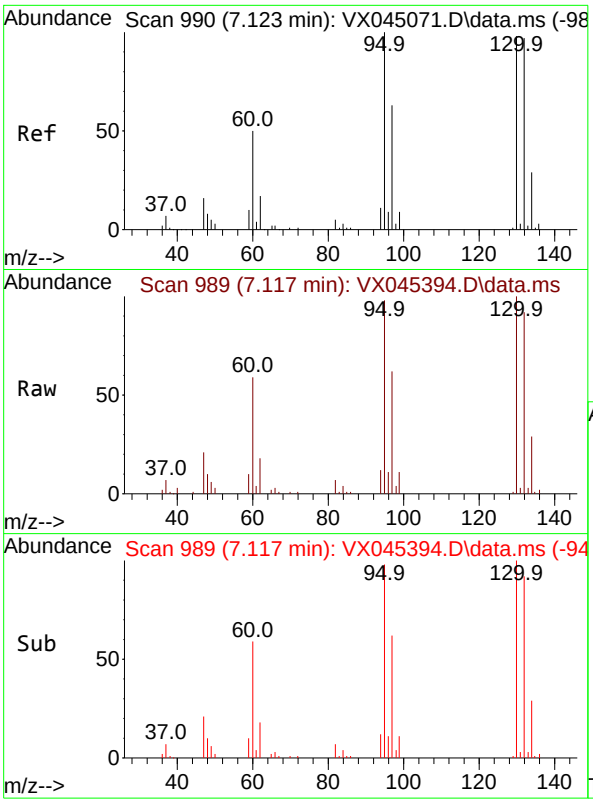


#35
Dibromofluoromethane
Concen: 53.758 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX045394.D
Acq: 21 Mar 2025 17:35

Tgt Ion:113 Resp: 46700

Ion	Ratio	Lower	Upper
113	100		
111	101.6	81.8	122.6
192	16.7	14.3	21.5



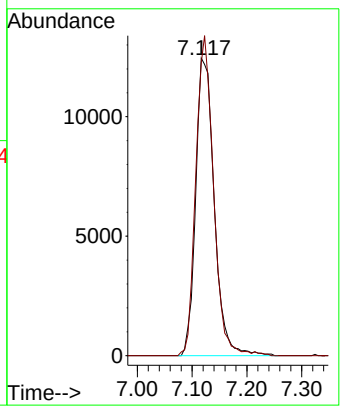


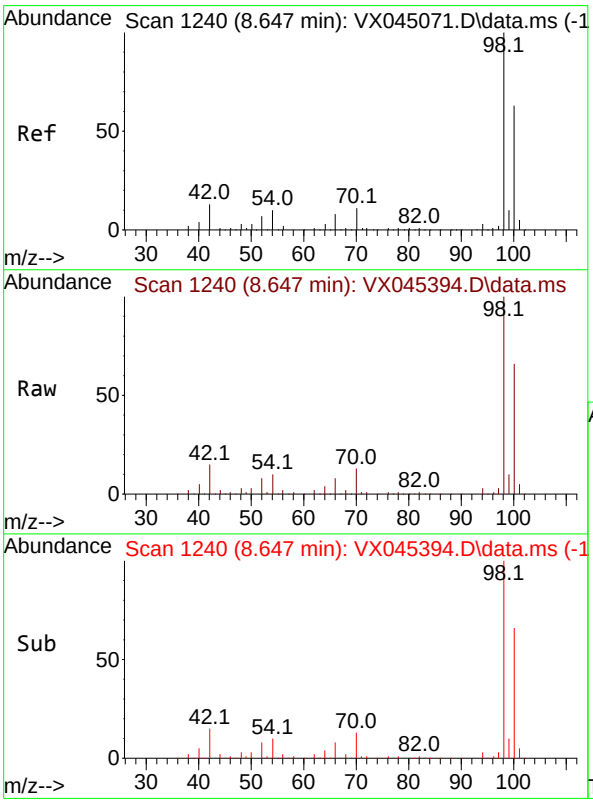
#44
Trichloroethene
Concen: 33.265 ug/l
RT: 7.117 min Scan# 9
Delta R.T. -0.006 min
Lab File: VX045394.D
Acq: 21 Mar 2025 17:35

Instrument :
MSVOA_X
ClientSampleId :
TT172S1-20250317

Tgt Ion:130 Resp: 29385

Ion	Ratio	Lower	Upper
130	100		
95	98.4	0.0	205.0

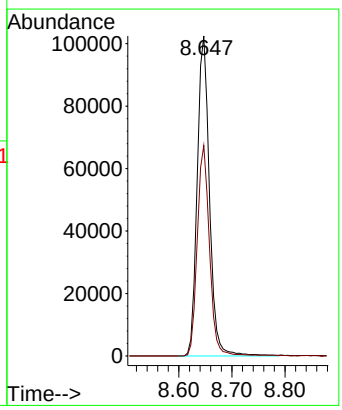


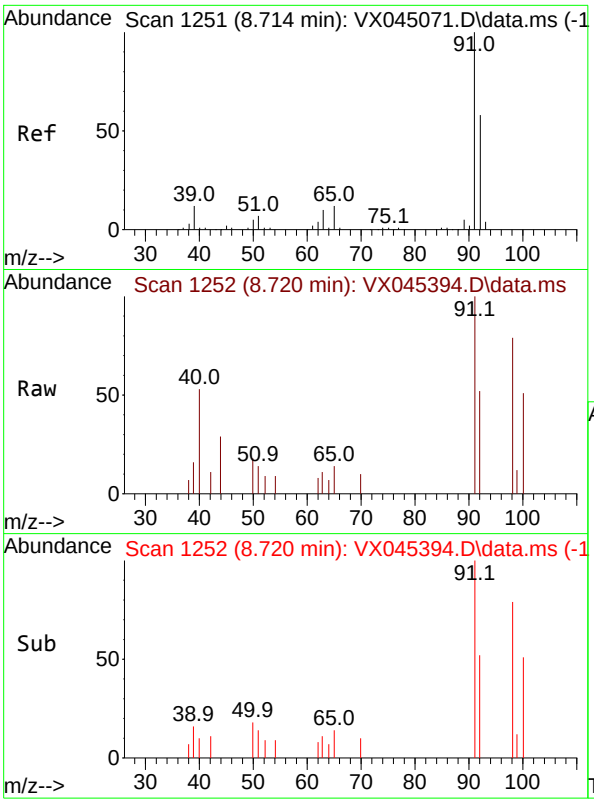


#50
Toluene-d8
Concen: 52.132 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX045394.D
Acq: 21 Mar 2025 17:35

Tgt Ion: 98 Resp: 164183

Ion	Ratio	Lower	Upper
98	100		
100	65.7	52.0	78.0



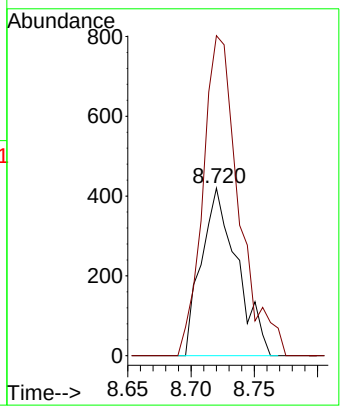


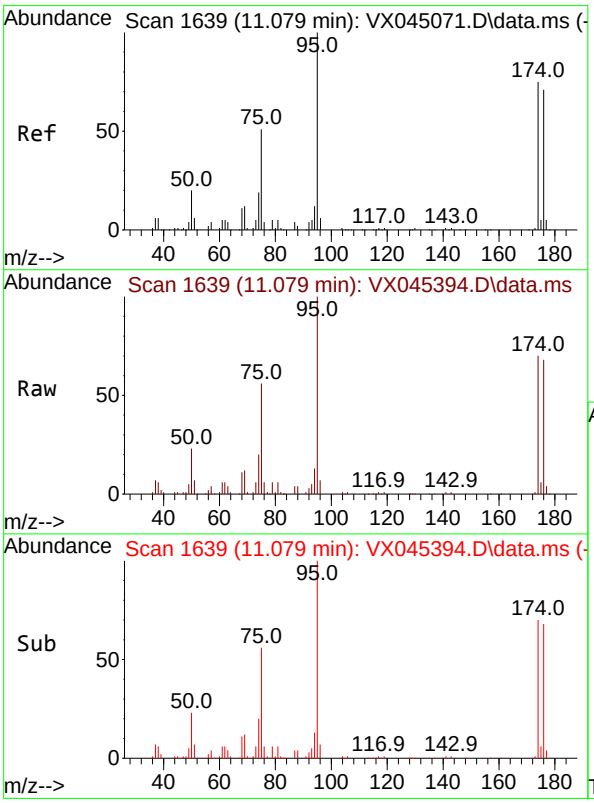
#52
Toluene
Concen: 0.373 ug/l
RT: 8.720 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045394.D
Acq: 21 Mar 2025 17:35

Instrument :
MSVOA_X
ClientSampleId :
TT172S1-20250317

Tgt Ion: 92 Resp: 823

Ion	Ratio	Lower	Upper
92	100		
91	192.7	138.9	208.3

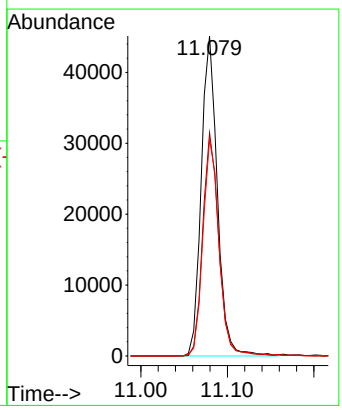


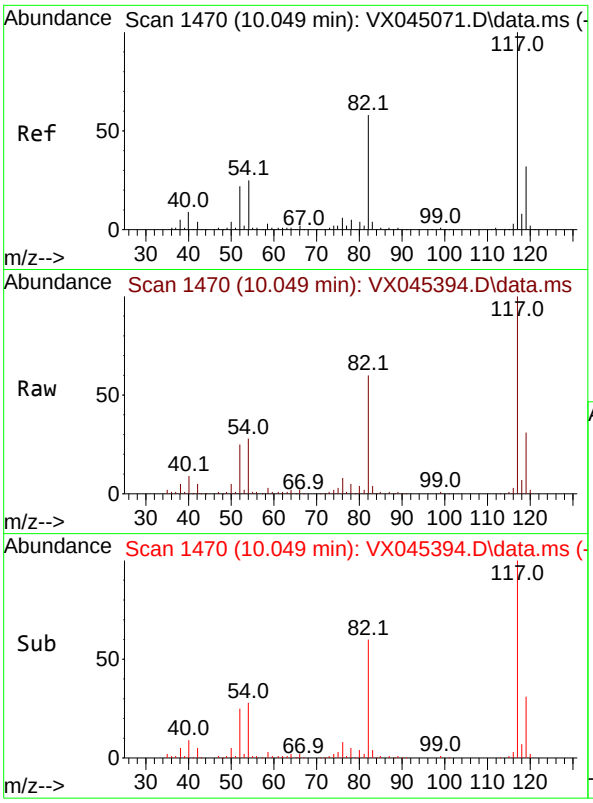


#62
4-Bromofluorobenzene
Concen: 55.878 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX045394.D
Acq: 21 Mar 2025 17:35

Tgt Ion: 95 Resp: 58315

Ion	Ratio	Lower	Upper
95	100		
174	69.6	0.0	148.2
176	68.0	0.0	141.4



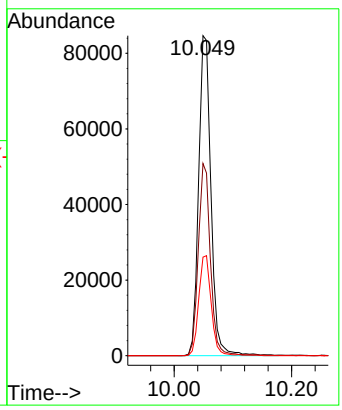


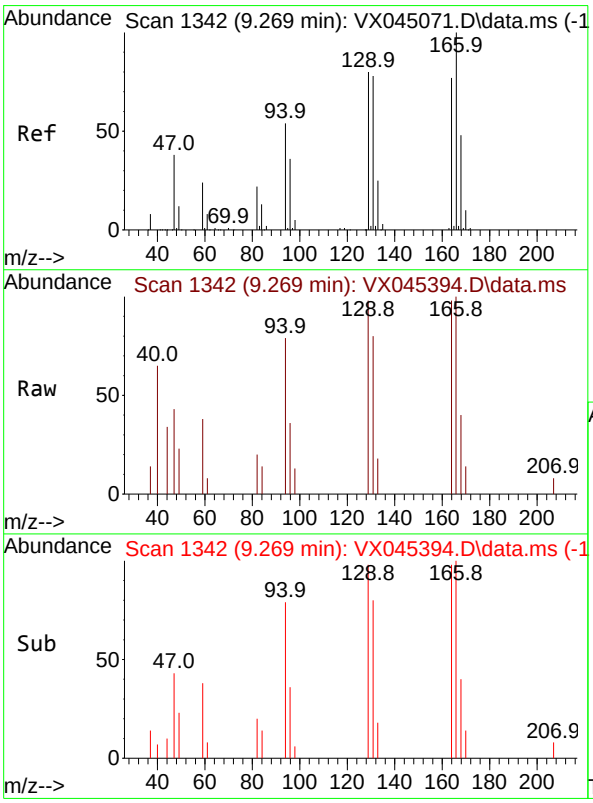
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045394.D
Acq: 21 Mar 2025 17:35

Instrument :
MSVOA_X
ClientSampleId :
TT172S1-20250317

Tgt Ion:117 Resp: 122794

Ion	Ratio	Lower	Upper
117	100		
82	60.0	46.3	69.5
119	30.8	25.7	38.5

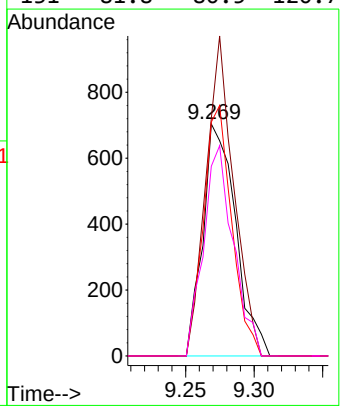


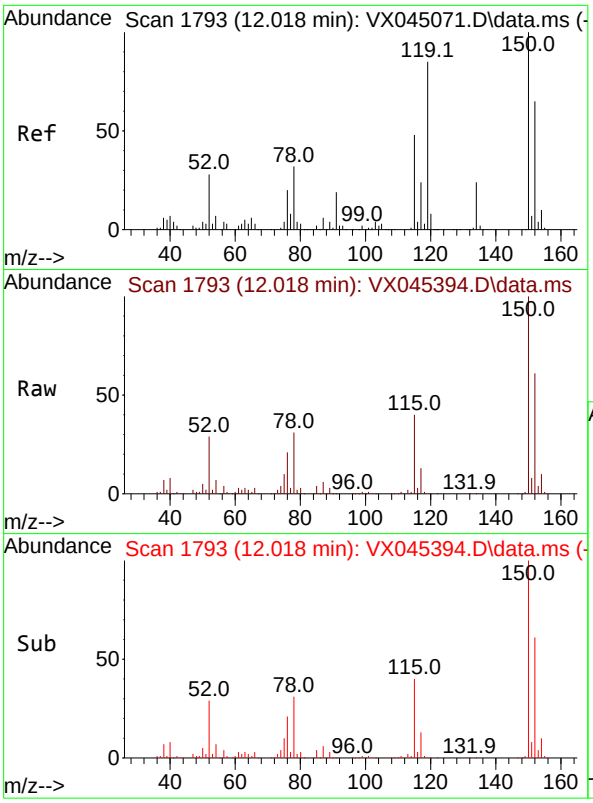


#64
Tetrachloroethene
Concen: 1.489 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX045394.D
Acq: 21 Mar 2025 17:35

Tgt Ion:164 Resp: 1171

Ion	Ratio	Lower	Upper
164	100		
166	102.4	103.6	155.4#
129	100.9	82.7	124.1
131	81.8	80.5	120.7



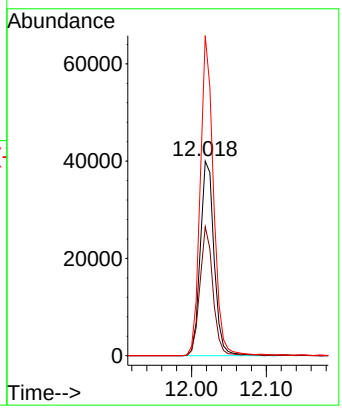


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045394.D
Acq: 21 Mar 2025 17:35

Instrument :
MSVOA_X
ClientSampleId :
TT172S1-20250317

Tgt Ion:152 Resp: 51514

Ion	Ratio	Lower	Upper
152	100		
115	62.8	44.2	132.6
150	156.3	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:	03/17/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/19/25
Client Sample ID:	RE139D1-20250317	SDG No.:	Q1608
Lab Sample ID:	Q1608-02	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
VX045395.D	1		03/21/25 17:58	VX032125

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	6.40		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	3.60		0.23	0.75	1.00	ug/L
67-64-1	Acetone	1.60	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	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	1.50		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	200	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:	03/17/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/19/25
Client Sample ID:	RE139D1-20250317	SDG No.:	Q1608
Lab Sample ID:	Q1608-02	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
VX045395.D	1		03/21/25 17:58	VX032125

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	0.98	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	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	58.6		81 - 118		117%	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	55.4		85 - 114		111%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	64900	5.55				
540-36-3	1,4-Difluorobenzene	127000	6.757				
3114-55-4	Chlorobenzene-d5	117000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	48900	12.018				

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Fax : 908 789 8922

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	03/17/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/19/25
Client Sample ID:	RE139D1-20250317	SDG No.:	Q1608
Lab Sample ID:	Q1608-02	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
VX045395.D	1		03/21/25 17:58	VX032125

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\VX032125\
Data File : VX045395.D
Acq On : 21 Mar 2025 17:58
Operator : JC/MD
Sample : Q1608-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RE139D1-20250317

Quant Time: Mar 22 02:16:49 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

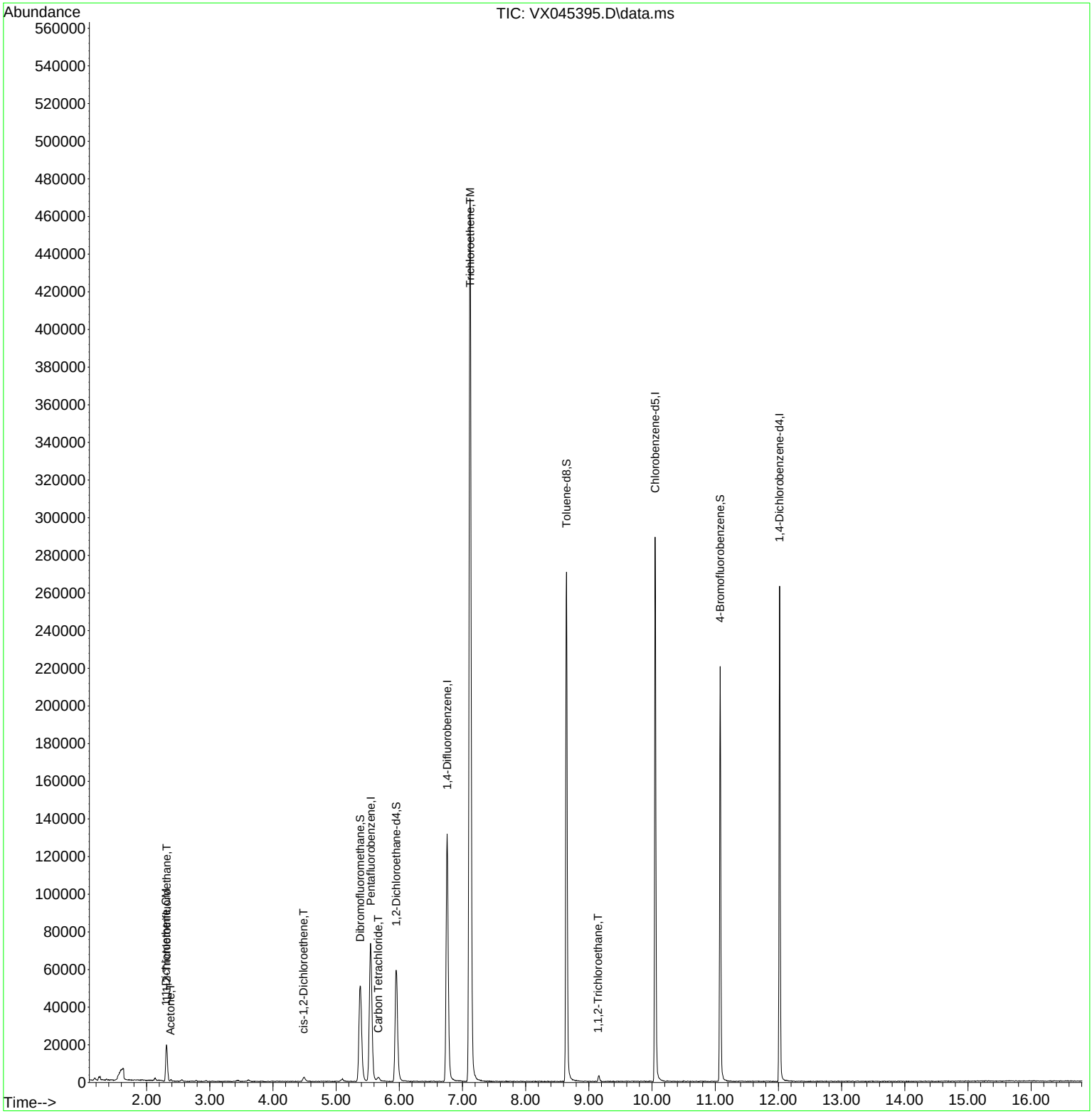
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	64859	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	126689	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	117104	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	48854	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	60475	58.618	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 117.240%			
35) Dibromofluoromethane	5.379	113	45469	53.674	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.340%			
50) Toluene-d8	8.647	98	159439	51.915	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.820%			
62) 4-Bromofluorobenzene	11.079	95	56422	55.441	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 110.880%			
Target Compounds						Qvalue
9) 1,1,2-Trichlorotrifluo...	2.319	101	4830	6.407	ug/l	98
12) 1,1-Dichloroethene	2.306	96	2902	3.641	ug/l	92
16) Acetone	2.379	43	766	1.600	ug/l #	77
27) cis-1,2-Dichloroethene	4.483	96	1453	1.495	ug/l	94
38) Carbon Tetrachloride	5.665	117	1758	1.491	ug/l #	76
44) Trichloroethene	7.123	130	173186	201.048	ug/l	99
55) 1,1,2-Trichloroethane	9.147	97	866	0.977	ug/l #	77

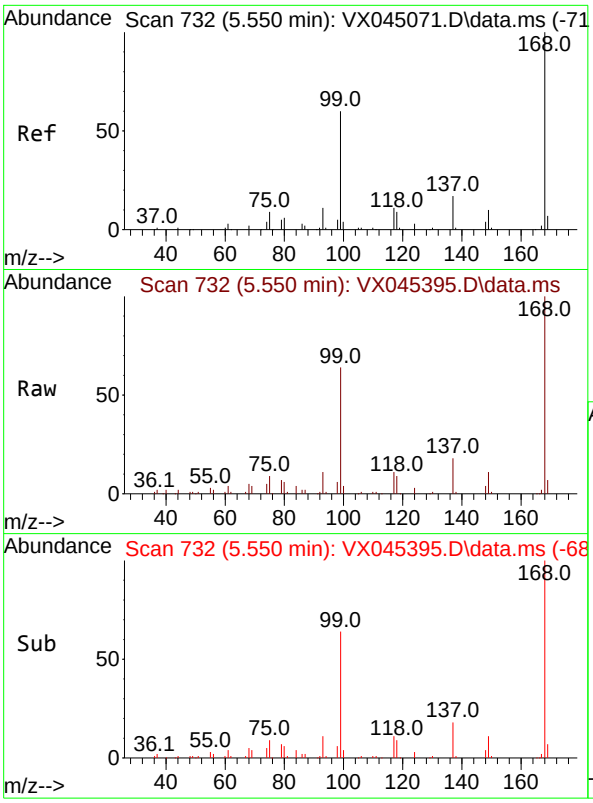
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032125\
Data File : VX045395.D
Acq On : 21 Mar 2025 17:58
Operator : JC/MD
Sample : Q1608-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RE139D1-20250317

Quant Time: Mar 22 02:16:49 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



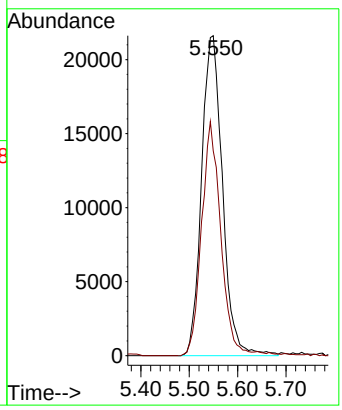


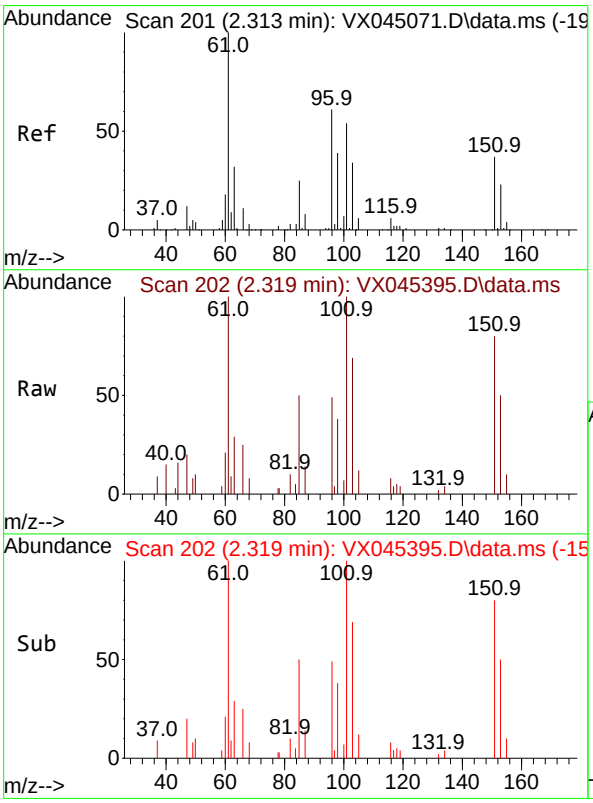
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045395.D
Acq: 21 Mar 2025 17:58

Instrument :
MSVOA_X
ClientSampleId :
RE139D1-20250317

Tgt Ion:168 Resp: 64859

Ion	Ratio	Lower	Upper
168	100		
99	64.0	48.2	72.4

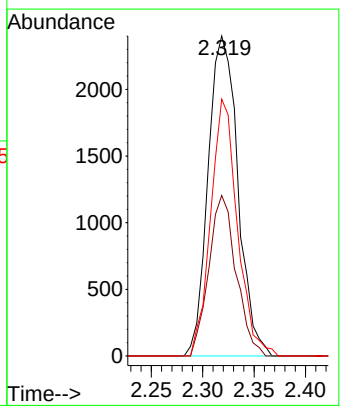


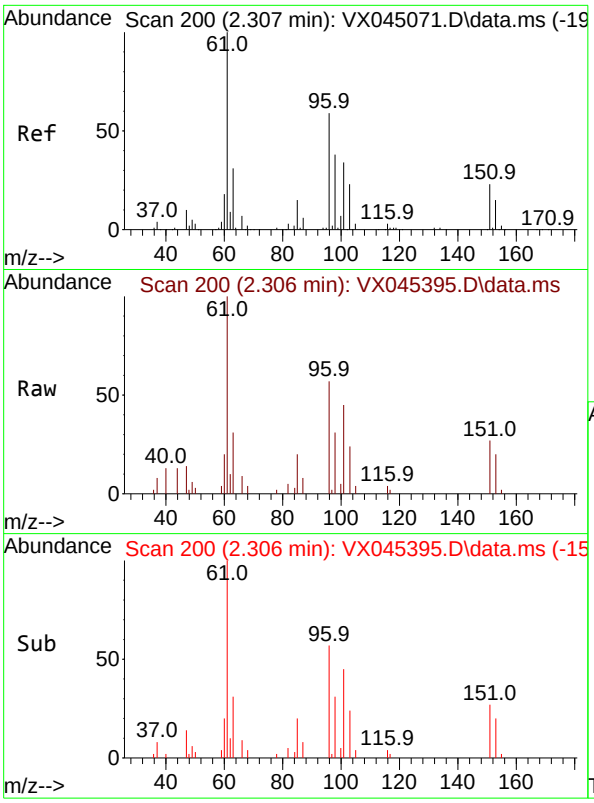


#9
1,1,2-Trichlorotrifluoroethane
Concen: 6.407 ug/l
RT: 2.319 min Scan# 202
Delta R.T. 0.006 min
Lab File: VX045395.D
Acq: 21 Mar 2025 17:58

Tgt Ion:101 Resp: 4830

Ion	Ratio	Lower	Upper
101	100		
85	46.1	36.2	54.4
151	72.1	56.4	84.6



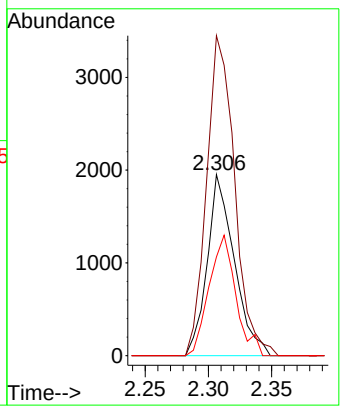


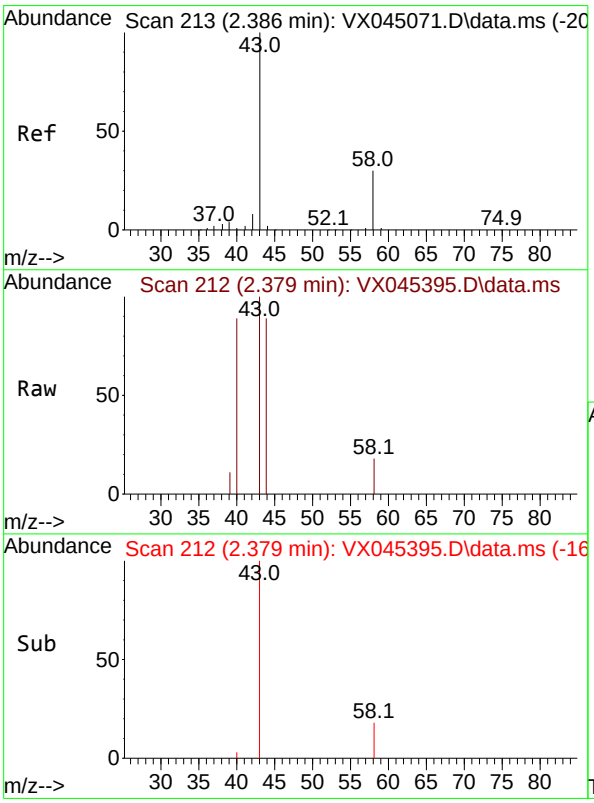
#12
1,1-Dichloroethene
Concen: 3.641 ug/l
RT: 2.306 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045395.D
Acq: 21 Mar 2025 17:58

Instrument :
MSVOA_X
ClientSampleId :
RE139D1-20250317

Tgt Ion: 96 Resp: 2902

Ion	Ratio	Lower	Upper
96	100		
61	176.7	134.6	202.0
98	54.5	51.0	76.6

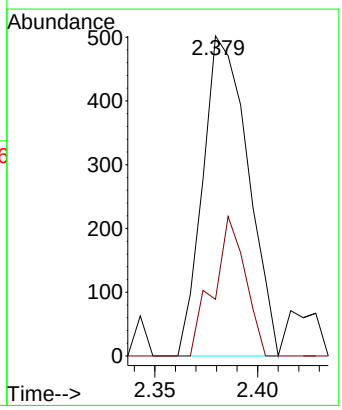


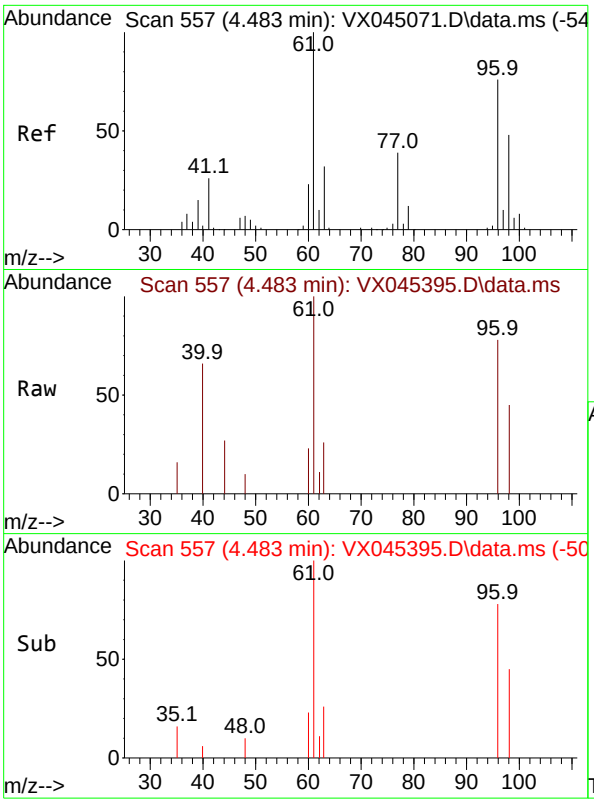


#16
Acetone
Concen: 1.600 ug/l
RT: 2.379 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX045395.D
Acq: 21 Mar 2025 17:58

Tgt Ion: 43 Resp: 766

Ion	Ratio	Lower	Upper
43	100		
58	17.7	24.2	36.4#



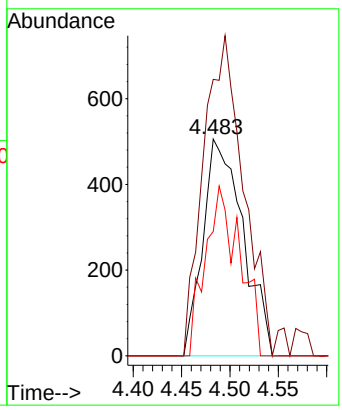


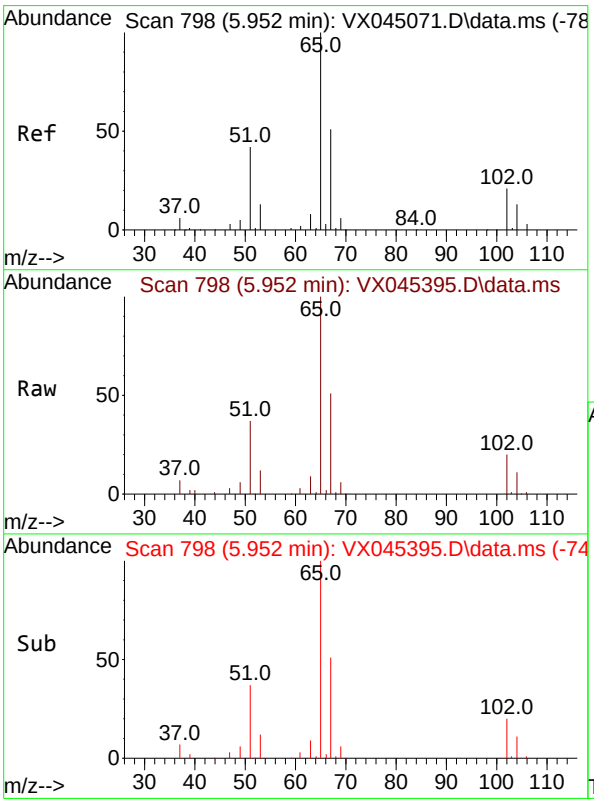
#27
cis-1,2-Dichloroethene
Concen: 1.495 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045395.D
Acq: 21 Mar 2025 17:58

Instrument :
MSVOA_X
ClientSampleId :
RE139D1-20250317

Tgt Ion: 96 Resp: 1453

Ion	Ratio	Lower	Upper
96	100		
61	149.9	0.0	283.2
98	67.7	0.0	128.0

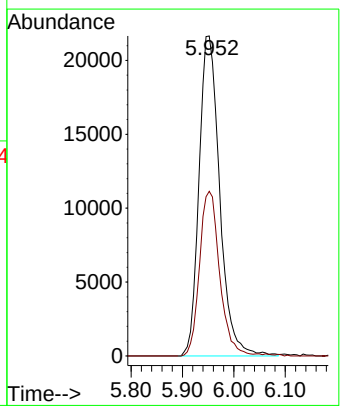


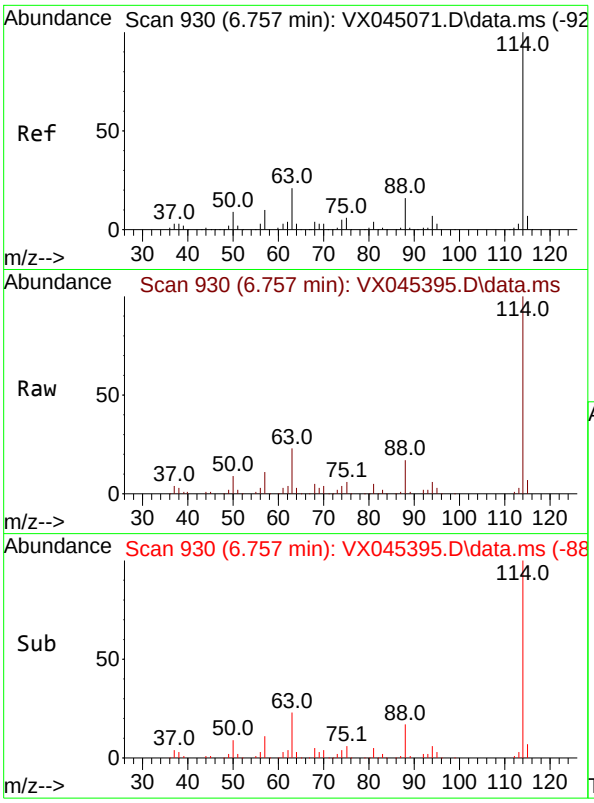


#33
1,2-Dichloroethane-d4
Concen: 58.618 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX045395.D
Acq: 21 Mar 2025 17:58

Tgt Ion: 65 Resp: 60475

Ion	Ratio	Lower	Upper
65	100		
67	50.0	0.0	106.2



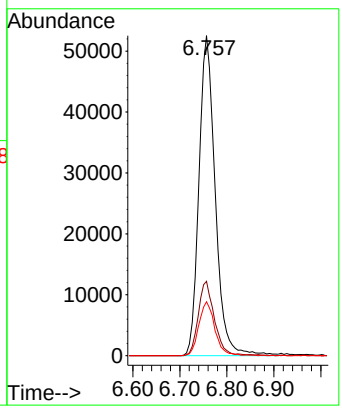


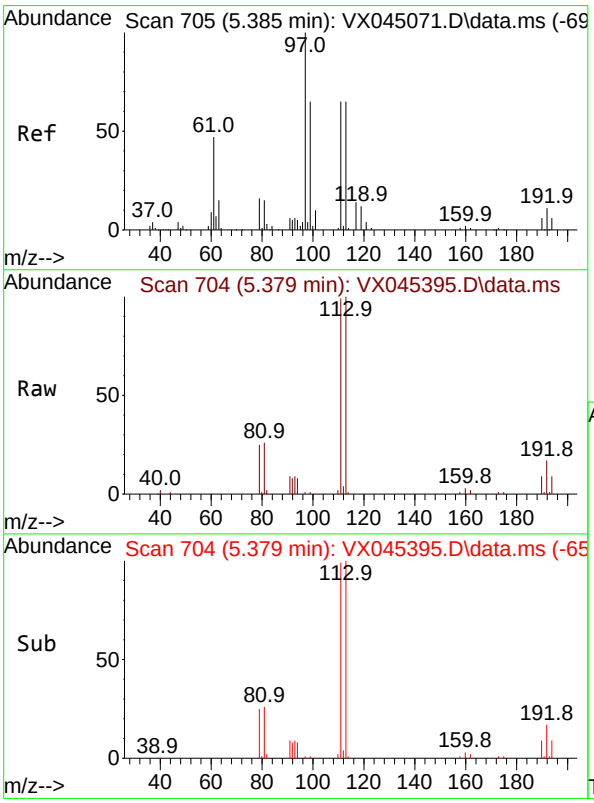
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX045395.D
Acq: 21 Mar 2025 17:58

Instrument :
MSVOA_X
ClientSampleId :
RE139D1-20250317

Tgt Ion:114 Resp: 126689

Ion	Ratio	Lower	Upper
114	100		
63	23.2	0.0	41.8
88	16.8	0.0	32.8

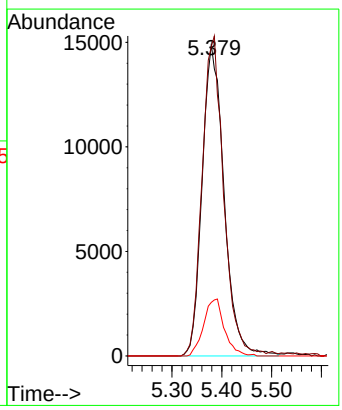


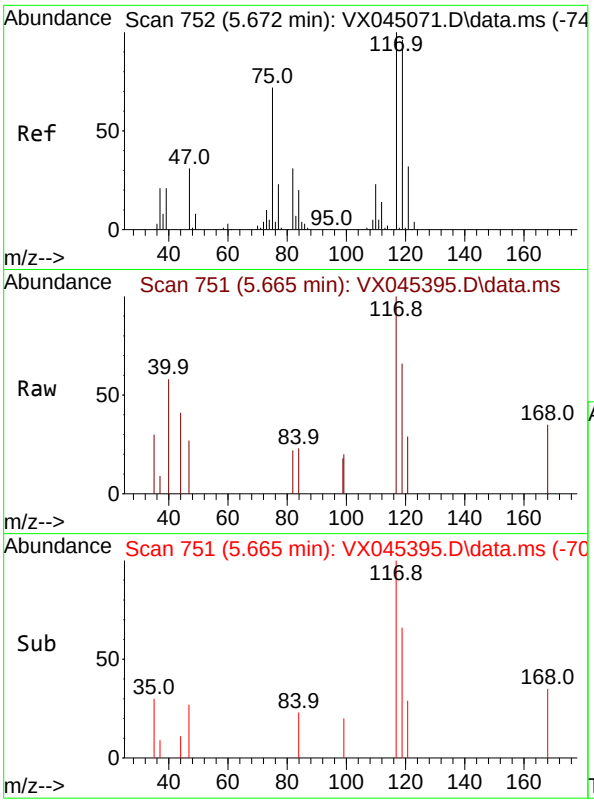


#35
Dibromofluoromethane
Concen: 53.674 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX045395.D
Acq: 21 Mar 2025 17:58

Tgt Ion:113 Resp: 45469

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



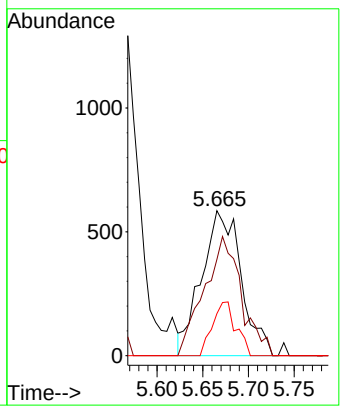


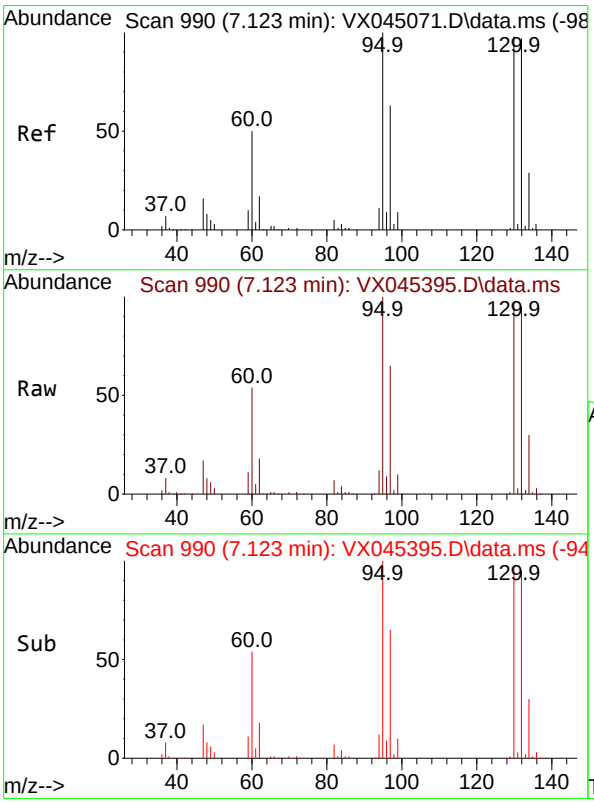
#38
Carbon Tetrachloride
Concen: 1.491 ug/l
RT: 5.665 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045395.D
Acq: 21 Mar 2025 17:58

Instrument :
MSVOA_X
ClientSampleId :
RE139D1-20250317

Tgt Ion:117 Resp: 1758

Ion	Ratio	Lower	Upper
117	100		
119	66.5	76.7	115.1#
121	29.1	25.5	38.3

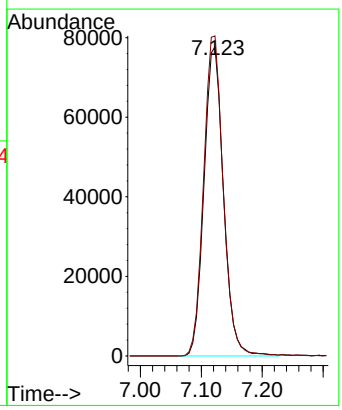


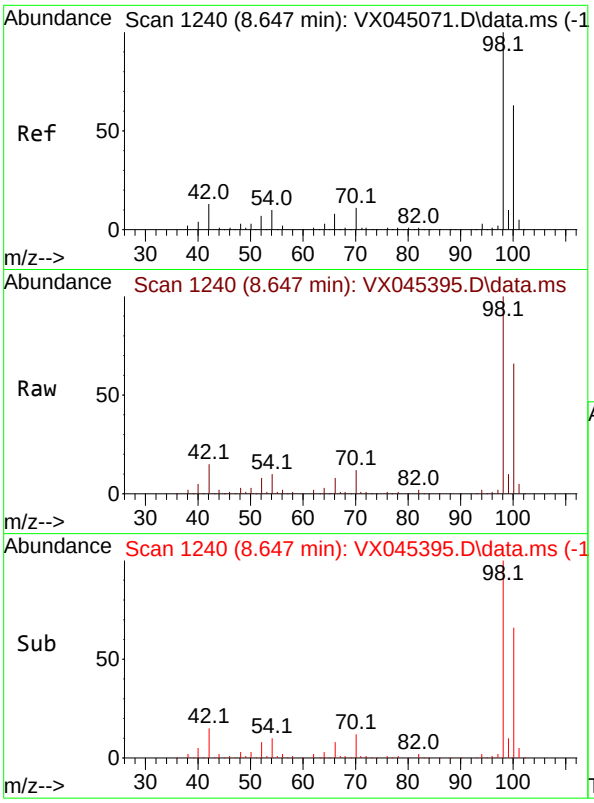


#44
Trichloroethene
Concen: 201.048 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX045395.D
Acq: 21 Mar 2025 17:58

Tgt Ion:130 Resp: 173186

Ion	Ratio	Lower	Upper
130	100		
95	103.5	0.0	205.0



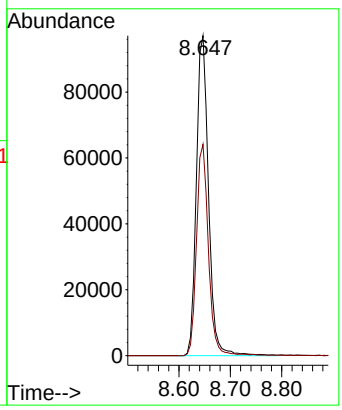


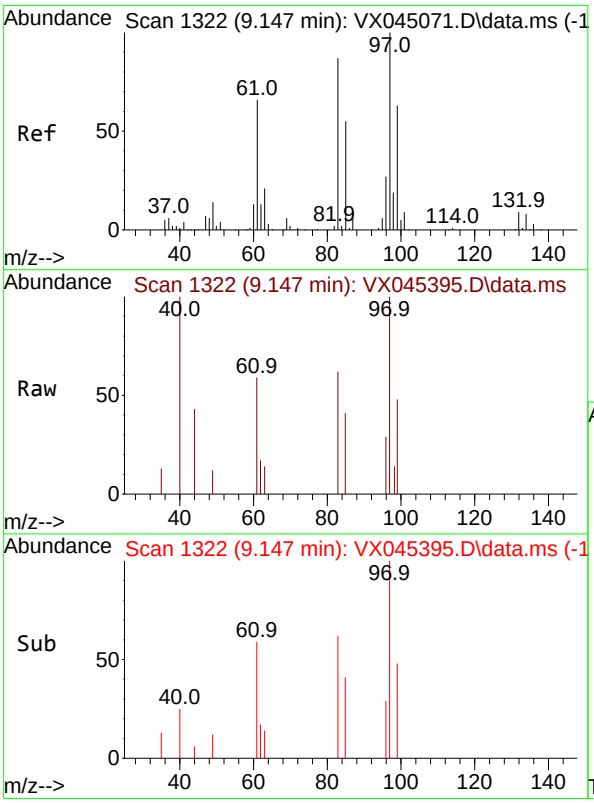
#50
Toluene-d8
Concen: 51.915 ug/l
RT: 8.647 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045395.D
Acq: 21 Mar 2025 17:58

Instrument :
MSVOA_X
ClientSampleId :
RE139D1-20250317

Tgt Ion: 98 Resp: 159439

Ion	Ratio	Lower	Upper
98	100		
100	64.9	52.0	78.0

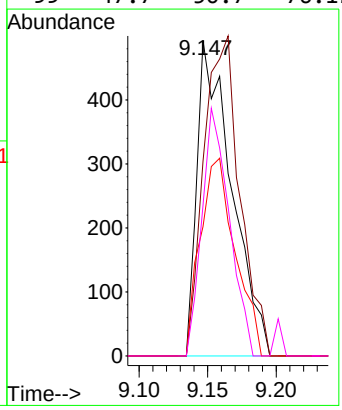


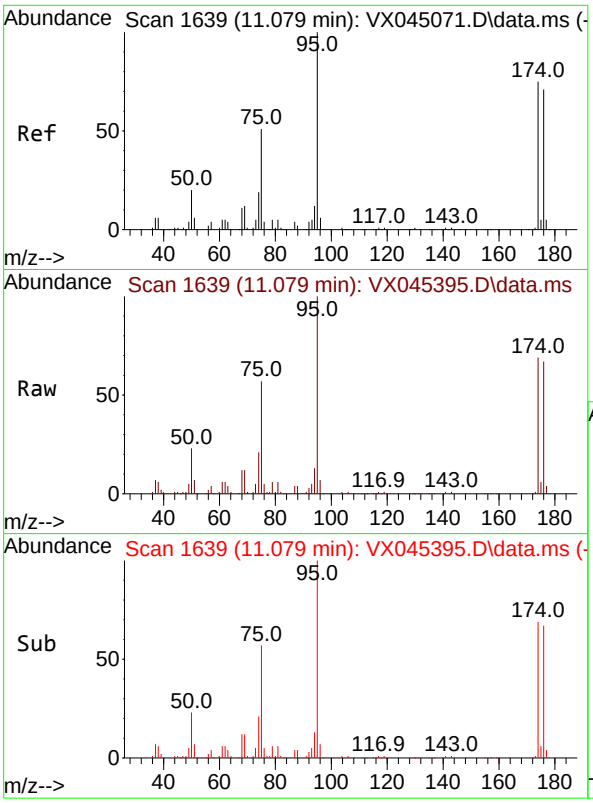


#55
1,1,2-Trichloroethane
Concen: 0.977 ug/l
RT: 9.147 min Scan# 1322
Delta R.T. -0.000 min
Lab File: VX045395.D
Acq: 21 Mar 2025 17:58

Tgt Ion: 97 Resp: 866

Ion	Ratio	Lower	Upper
97	100		
83	61.7	69.4	104.2#
85	41.0	44.1	66.1#
99	47.7	50.7	76.1#



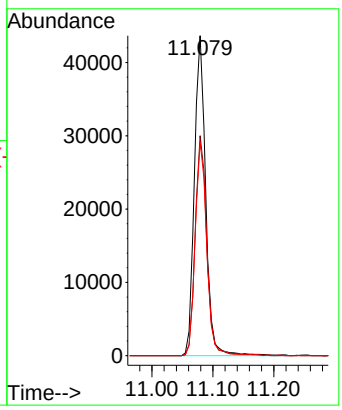


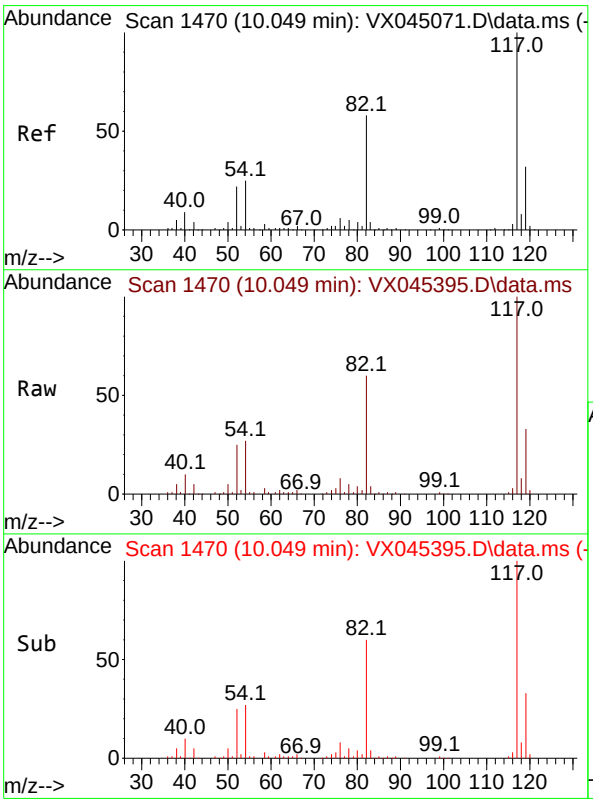
#62
4-Bromofluorobenzene
Concen: 55.441 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045395.D
Acq: 21 Mar 2025 17:58

Instrument :
MSVOA_X
ClientSampleId :
RE139D1-20250317

Tgt Ion: 95 Resp: 56422

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

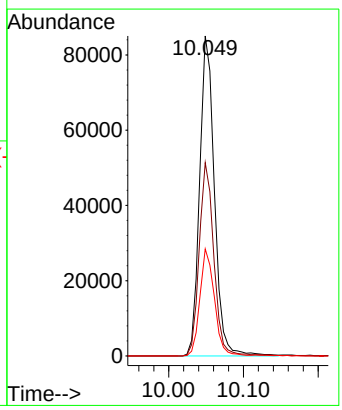


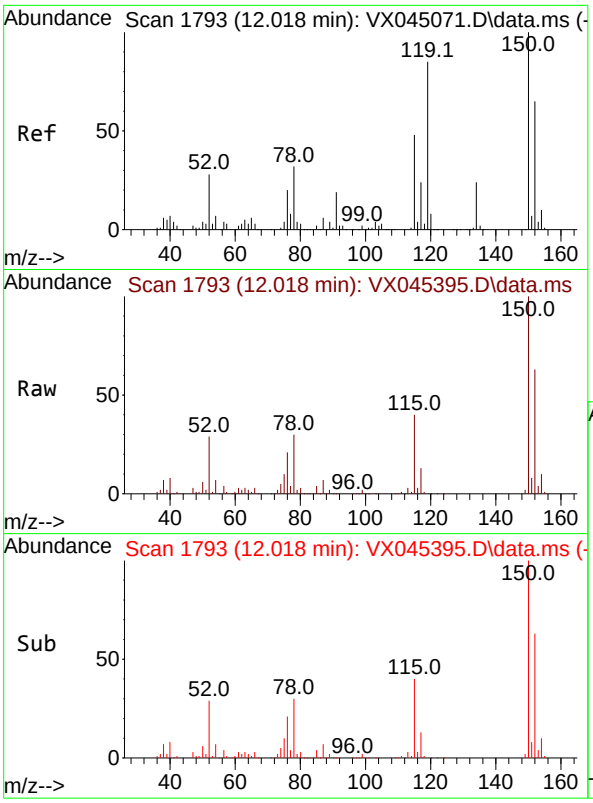


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX045395.D
Acq: 21 Mar 2025 17:58

Tgt Ion:117 Resp: 117104

Ion	Ratio	Lower	Upper
117	100		
82	60.4	46.3	69.5
119	33.5	25.7	38.5



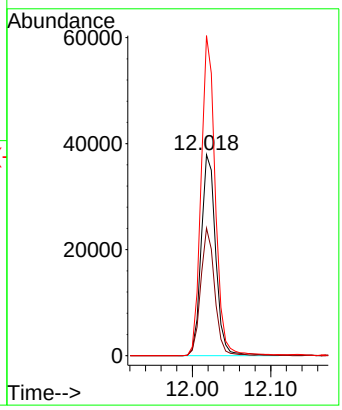


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045395.D
Acq: 21 Mar 2025 17:58

Instrument :
MSVOA_X
ClientSampleId :
RE139D1-20250317

Tgt Ion:152 Resp: 48854

Ion	Ratio	Lower	Upper
152	100		
115	60.9	44.2	132.6
150	155.4	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:	03/17/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/19/25
Client Sample ID:	RE139D1-20250317DL	SDG No.:	Q1608
Lab Sample ID:	Q1608-02DL	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
VX045408.D	4		03/24/25 12:34	VX032425

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	7.40	D	1.00	2.00	4.00	ug/L
75-35-4	1,1-Dichloroethene	4.30	D	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	210	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:	03/17/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/19/25
Client Sample ID:	RE139D1-20250317DL	SDG No.:	Q1608
Lab Sample ID:	Q1608-02DL	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
VX045408.D	4		03/24/25 12:34	VX032425

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	2.00	UD	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	58.4		81 - 118		117%	SPK: 50
1868-53-7	Dibromofluoromethane	53.3		80 - 119		107%	SPK: 50
2037-26-5	Toluene-d8	51.2		89 - 112		102%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.6		85 - 114		109%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	65500	5.544				
540-36-3	1,4-Difluorobenzene	131000	6.757				
3114-55-4	Chlorobenzene-d5	120000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	49700	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:	03/17/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/19/25
Client Sample ID:	RE139D1-20250317DL	SDG No.:	Q1608
Lab Sample ID:	Q1608-02DL	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
VX045408.D	4		03/24/25 12:34	VX032425

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\VX032425\
Data File : VX045408.D
Acq On : 24 Mar 2025 12:34
Operator : JC/MD
Sample : Q1608-02DL 4X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RE139D1-20250317DL

Quant Time: Mar 25 01:32:10 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

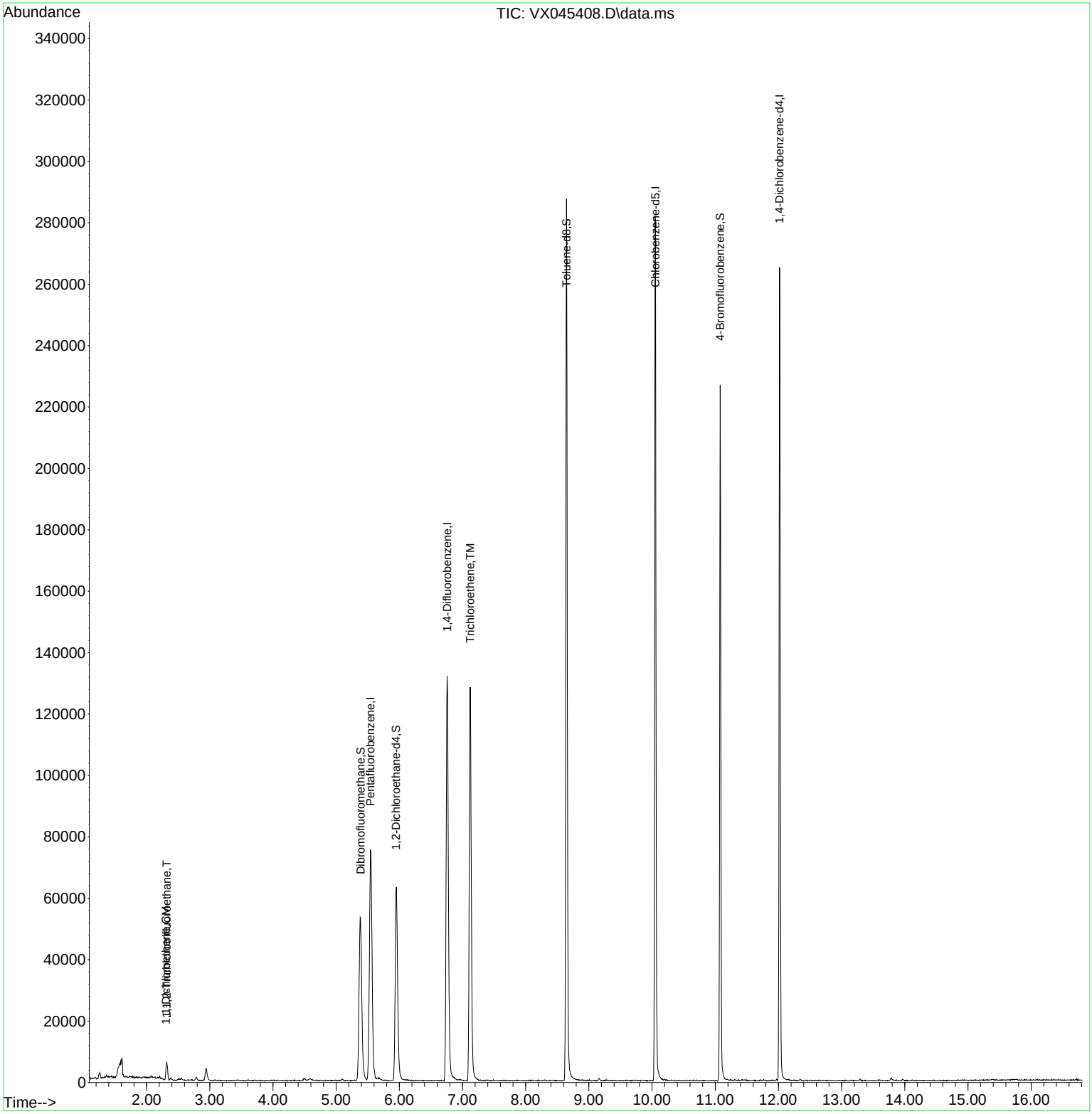
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	65545	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	130703	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	120320	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	49744	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	60881	58.394	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 116.780%			
35) Dibromofluoromethane	5.385	113	46554	53.267	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.540%			
50) Toluene-d8	8.647	98	162185	51.187	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.380%			
62) 4-Bromofluorobenzene	11.079	95	57281	54.557	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 109.120%			
Target Compounds						Qvalue
9) 1,1,2-Trichlorotrifluo...	2.319	101	1417	1.860	ug/l	98
12) 1,1-Dichloroethene	2.306	96	875	1.086	ug/l	95
44) Trichloroethene	7.123	130	46624	52.463	ug/l	99

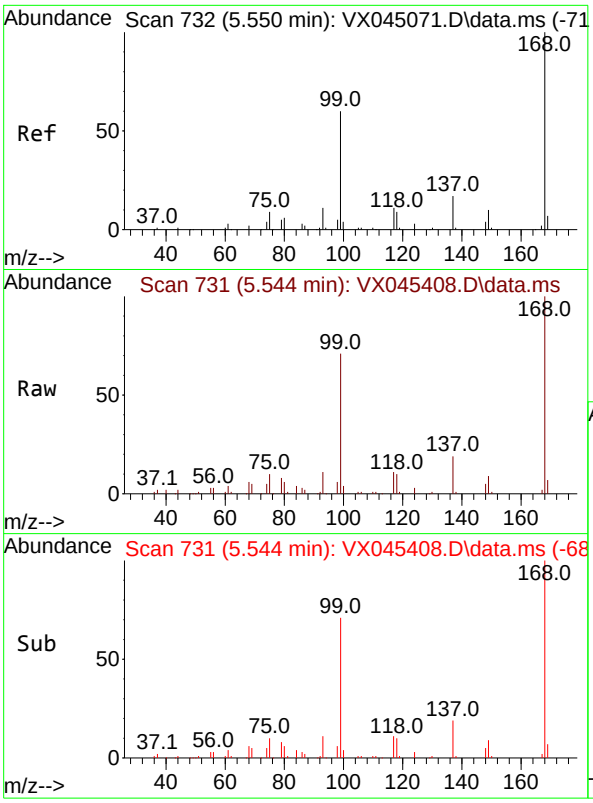
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032425\
Data File : VX045408.D
Acq On : 24 Mar 2025 12:34
Operator : JC/MD
Sample : Q1608-02DL 4X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RE139D1-20250317DL

Quant Time: Mar 25 01:32:10 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



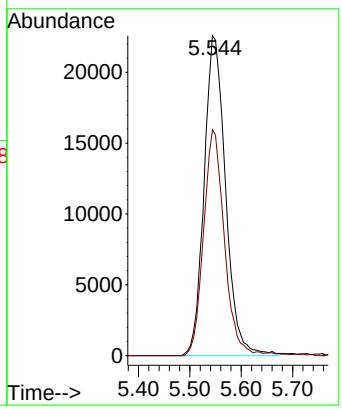


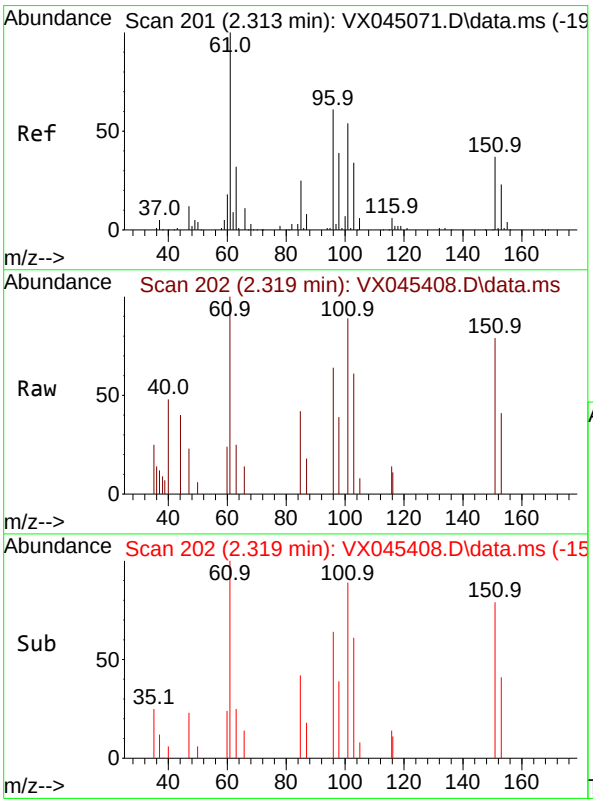
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045408.D
Acq: 24 Mar 2025 12:34

Instrument :
MSVOA_X
ClientSampleId :
RE139D1-20250317DL

Tgt Ion:168 Resp: 65545

Ion	Ratio	Lower	Upper
168	100		
99	70.6	48.2	72.4

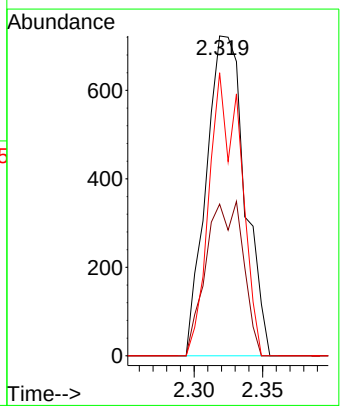


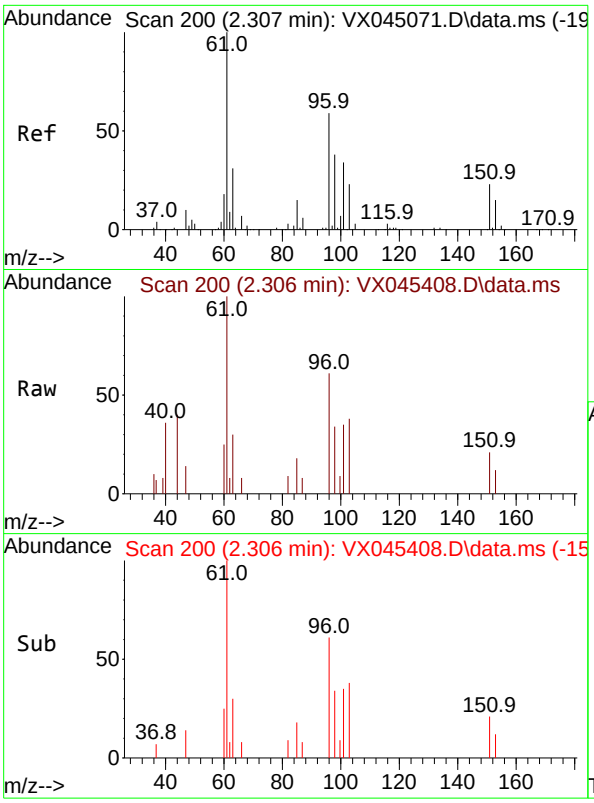


#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.860 ug/l
RT: 2.319 min Scan# 202
Delta R.T. 0.006 min
Lab File: VX045408.D
Acq: 24 Mar 2025 12:34

Tgt Ion:101 Resp: 1417

Ion	Ratio	Lower	Upper
101	100		
85	46.4	36.2	54.4
151	72.6	56.4	84.6



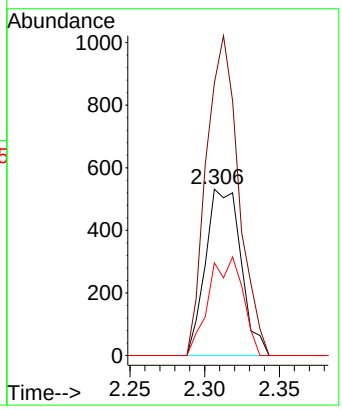


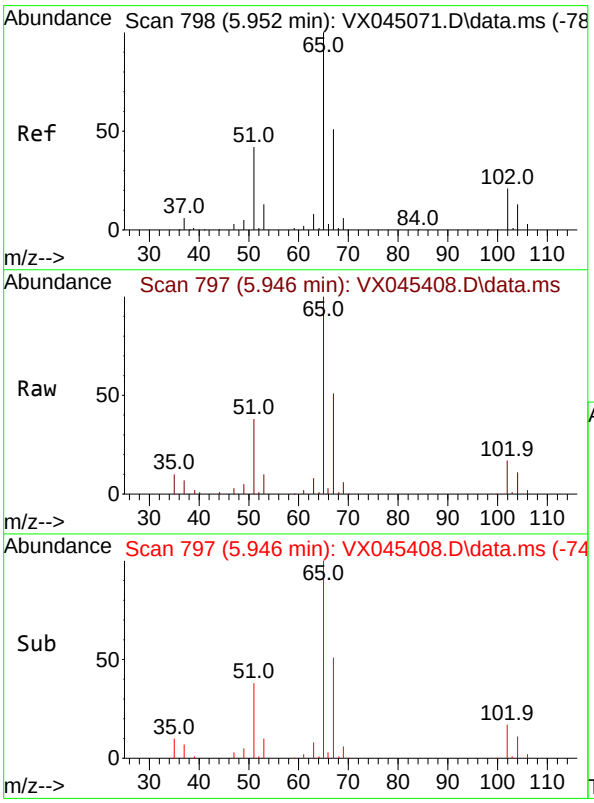
#12
1,1-Dichloroethene
Concen: 1.086 ug/l
RT: 2.306 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045408.D
Acq: 24 Mar 2025 12:34

Instrument :
MSVOA_X
ClientSampleId :
RE139D1-20250317DL

Tgt Ion: 96 Resp: 875

Ion	Ratio	Lower	Upper
96	100		
61	163.5	134.6	202.0
98	55.6	51.0	76.6

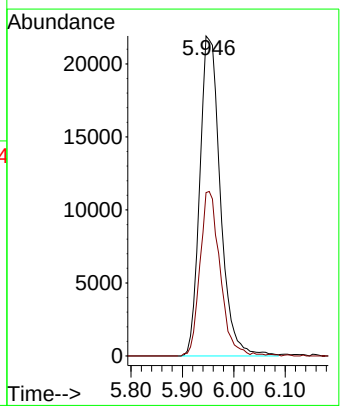


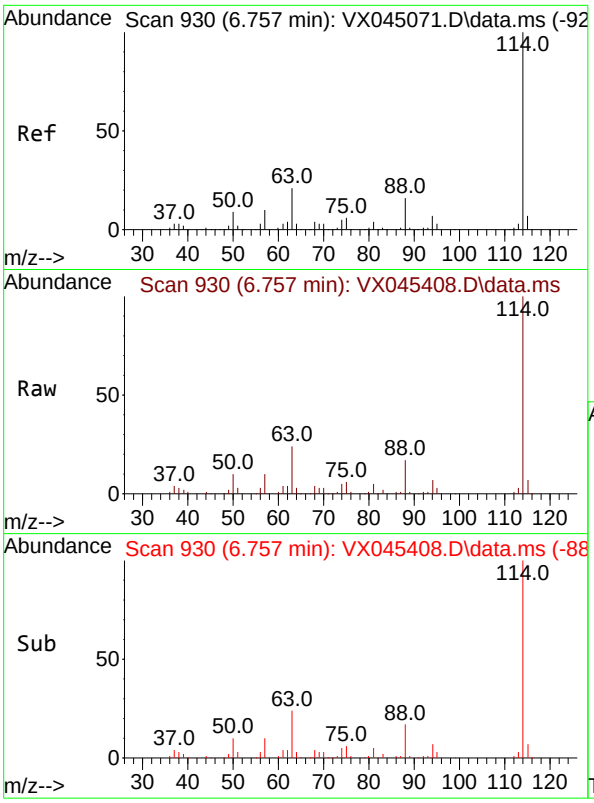


#33
1,2-Dichloroethane-d4
Concen: 58.394 ug/l
RT: 5.946 min Scan# 797
Delta R.T. -0.006 min
Lab File: VX045408.D
Acq: 24 Mar 2025 12:34

Tgt Ion: 65 Resp: 60881

Ion	Ratio	Lower	Upper
65	100		
67	50.1	0.0	106.2



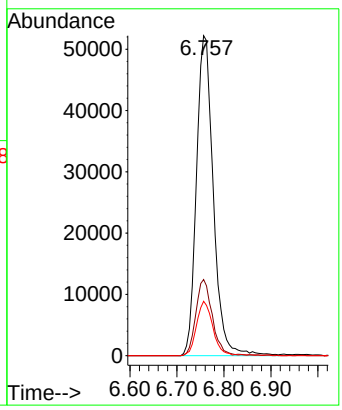


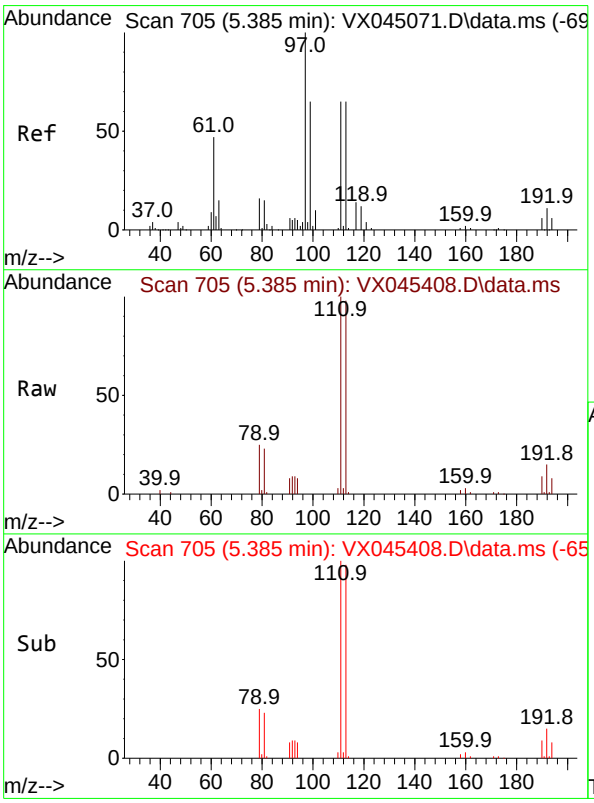
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX045408.D
Acq: 24 Mar 2025 12:34

Instrument :
MSVOA_X
ClientSampleId :
RE139D1-20250317DL

Tgt Ion:114 Resp: 130703

Ion	Ratio	Lower	Upper
114	100		
63	23.8	0.0	41.8
88	17.0	0.0	32.8

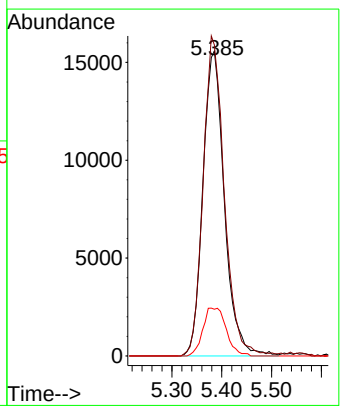


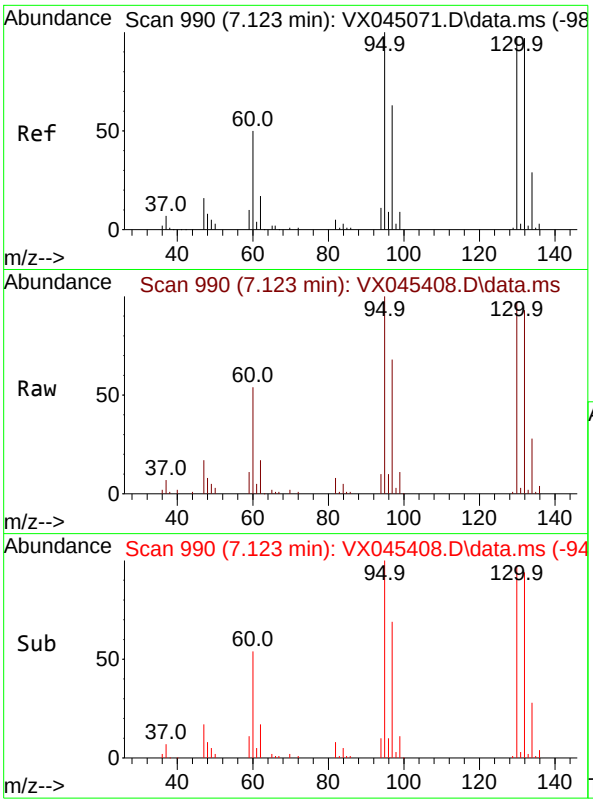


#35
Dibromofluoromethane
Concen: 53.267 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX045408.D
Acq: 24 Mar 2025 12:34

Tgt Ion:113 Resp: 46554

Ion	Ratio	Lower	Upper
113	100		
111	103.5	81.8	122.6
192	17.1	14.3	21.5



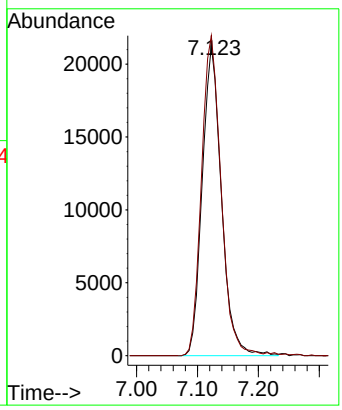


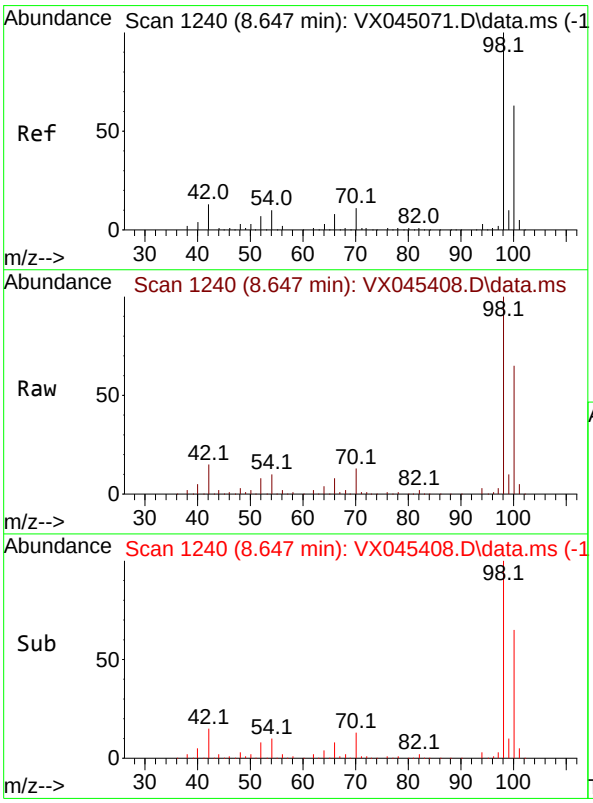
#44
Trichloroethene
Concen: 52.463 ug/l
RT: 7.123 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX045408.D
Acq: 24 Mar 2025 12:34

Instrument :
MSVOA_X
ClientSampleId :
RE139D1-20250317DL

Tgt Ion:130 Resp: 46624

Ion	Ratio	Lower	Upper
130	100		
95	103.1	0.0	205.0

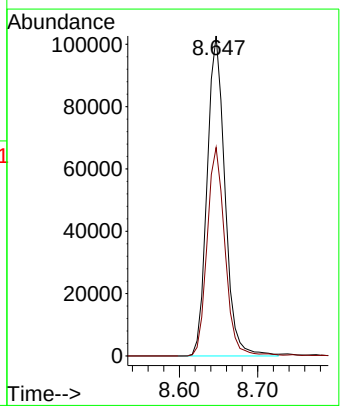


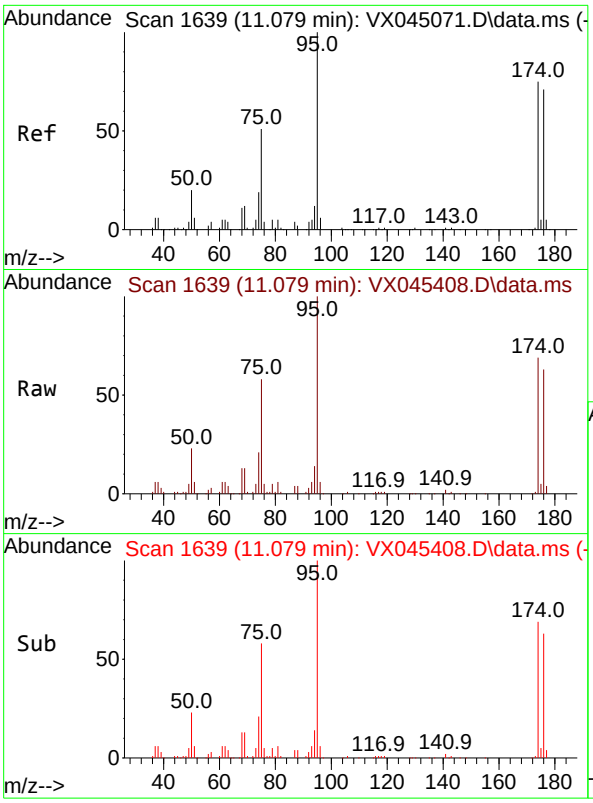


#50
Toluene-d8
Concen: 51.187 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045408.D
Acq: 24 Mar 2025 12:34

Tgt Ion: 98 Resp: 162185

Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.0	78.0



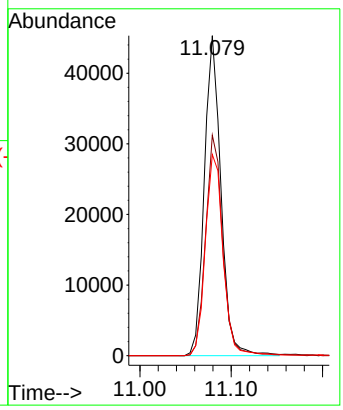


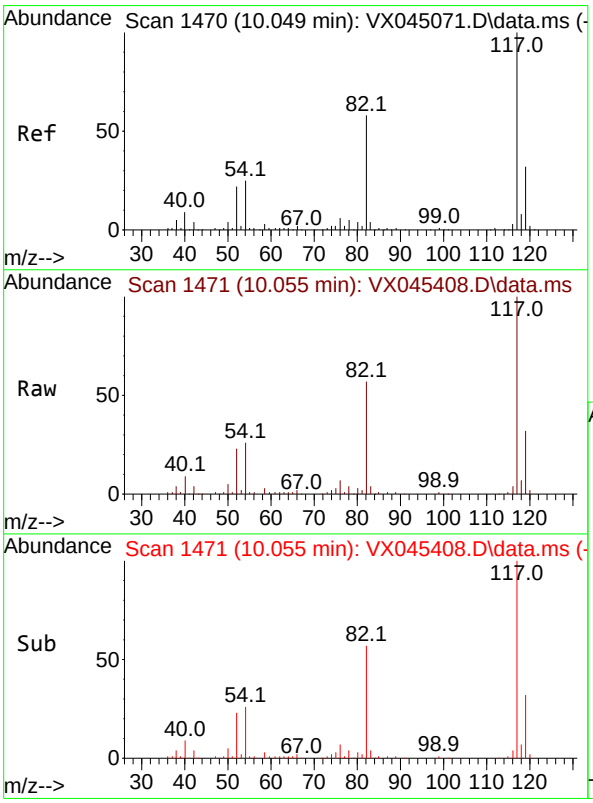
#62
4-Bromofluorobenzene
Concen: 54.557 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045408.D
Acq: 24 Mar 2025 12:34

Instrument :
MSVOA_X
ClientSampleId :
RE139D1-20250317DL

Tgt Ion: 95 Resp: 57281

Ion	Ratio	Lower	Upper
95	100		
174	71.4	0.0	148.2
176	67.1	0.0	141.4

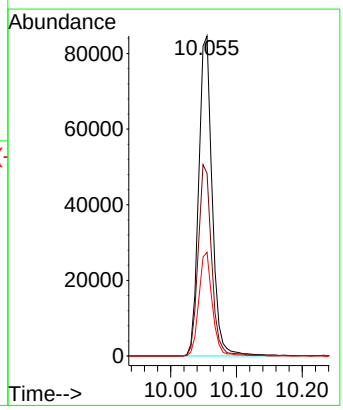


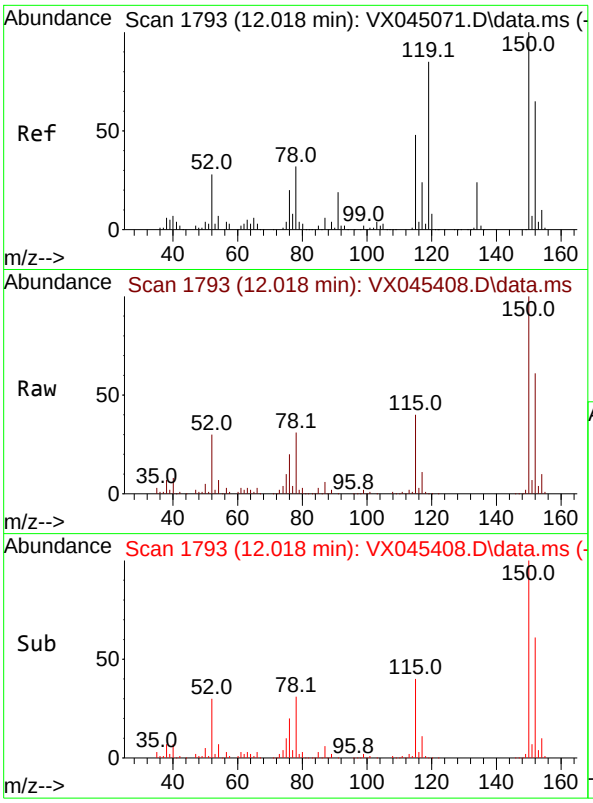


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VX045408.D
Acq: 24 Mar 2025 12:34

Tgt Ion:117 Resp: 120320

Ion	Ratio	Lower	Upper
117	100		
82	57.1	46.3	69.5
119	32.4	25.7	38.5



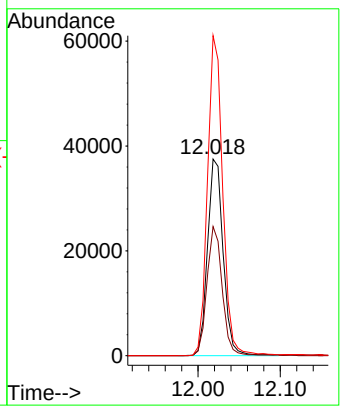


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045408.D
Acq: 24 Mar 2025 12:34

Instrument :
MSVOA_X
ClientSampleId :
RE139D1-20250317DL

Tgt Ion:152 Resp: 49744

Ion	Ratio	Lower	Upper
152	100		
115	64.0	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:	03/17/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/19/25
Client Sample ID:	RE139D2-20250317	SDG No.:	Q1608
Lab Sample ID:	Q1608-03	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
VX045396.D	1		03/21/25 18:21	VX032125

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	7.10		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	6.40		0.23	0.75	1.00	ug/L
67-64-1	Acetone	1.80	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	1.70		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	2.00		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	200	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:	03/17/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/19/25
Client Sample ID:	RE139D2-20250317	SDG No.:	Q1608
Lab Sample ID:	Q1608-03	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
VX045396.D	1		03/21/25 18:21	VX032125

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	59.5	*	81 - 118		119%	SPK: 50
1868-53-7	Dibromofluoromethane	54.5		80 - 119		109%	SPK: 50
2037-26-5	Toluene-d8	51.3		89 - 112		103%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.8		85 - 114		108%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	66400	5.544				
540-36-3	1,4-Difluorobenzene	131000	6.757				
3114-55-4	Chlorobenzene-d5	122000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	50800	12.018				

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	03/17/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/19/25
Client Sample ID:	RE139D2-20250317	SDG No.:	Q1608
Lab Sample ID:	Q1608-03	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
VX045396.D	1		03/21/25 18:21	VX032125

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\VX032125\
Data File : VX045396.D
Acq On : 21 Mar 2025 18:21
Operator : JC/MD
Sample : Q1608-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RE139D2-20250317

Quant Time: Mar 21 23:19:35 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

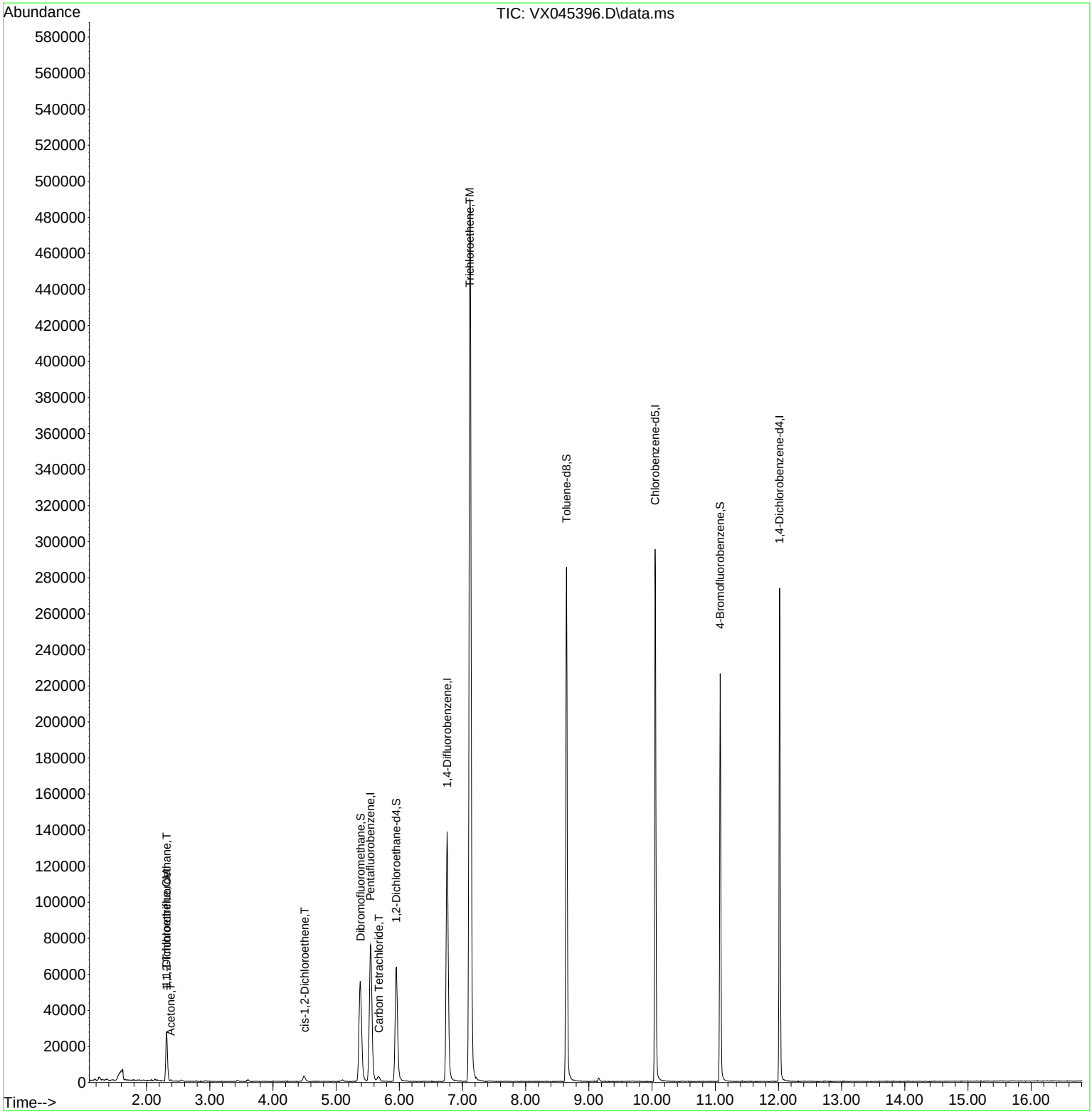
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	66410	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	131424	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	121699	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	50801	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	62856	59.503	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 119.000%			
35) Dibromofluoromethane	5.385	113	47872	54.474	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 108.940%			
50) Toluene-d8	8.647	98	163480	51.313	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.620%			
62) 4-Bromofluorobenzene	11.079	95	56775	53.778	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 107.560%			
Target Compounds						Qvalue
9) 1,1,2-Trichlorotrifluo...	2.318	101	5497	7.122	ug/l	98
12) 1,1-Dichloroethene	2.312	96	5185	6.354	ug/l	95
16) Acetone	2.379	43	886	1.808	ug/l	94
27) cis-1,2-Dichloroethene	4.501	96	1948	1.957	ug/l	95
38) Carbon Tetrachloride	5.678	117	2096	1.713	ug/l	90
44) Trichloroethene	7.116	130	180938	202.480	ug/l	98

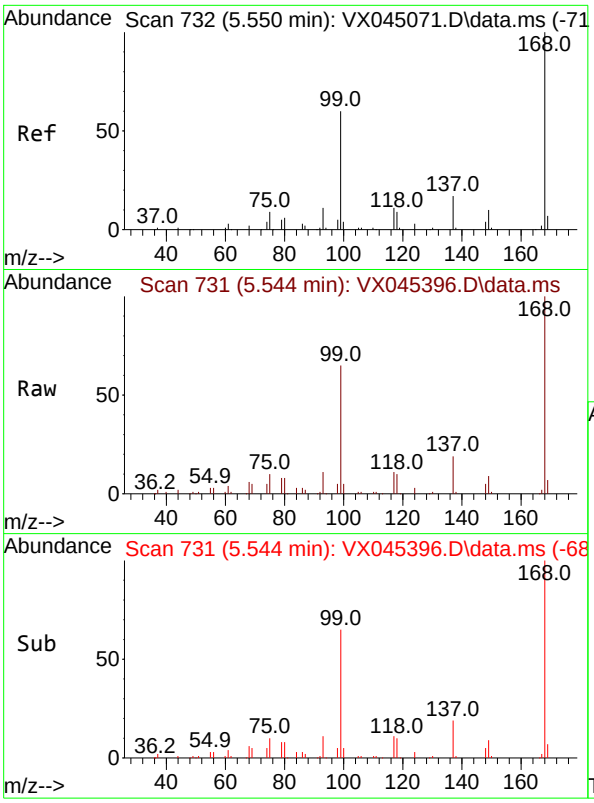
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032125\
Data File : VX045396.D
Acq On : 21 Mar 2025 18:21
Operator : JC/MD
Sample : Q1608-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RE139D2-20250317

Quant Time: Mar 21 23:19:35 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



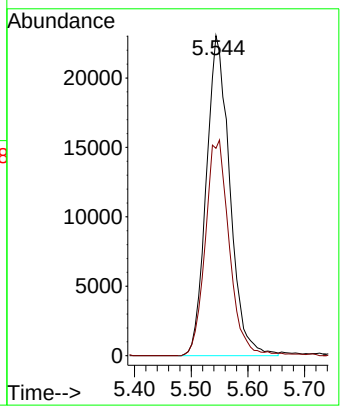


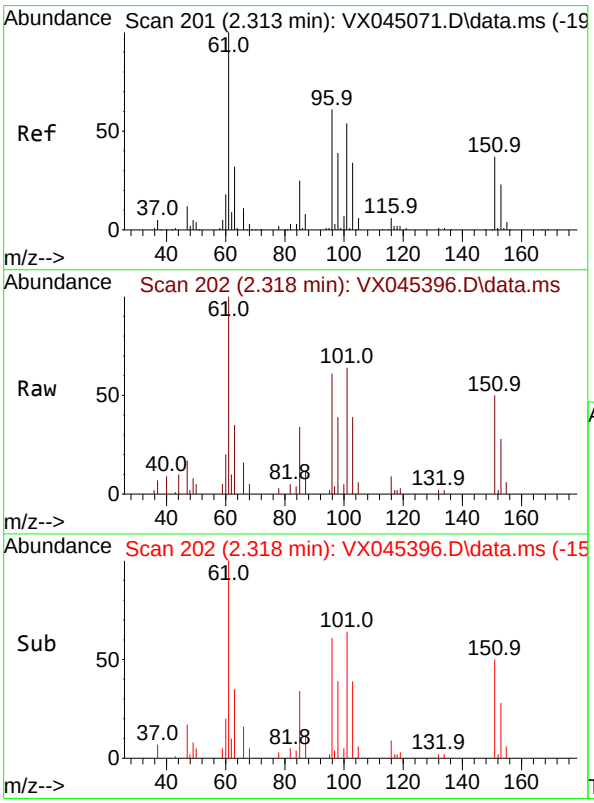
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045396.D
Acq: 21 Mar 2025 18:21

Instrument :
MSVOA_X
ClientSampleId :
RE139D2-20250317

Tgt Ion:168 Resp: 66410

Ion	Ratio	Lower	Upper
168	100		
99	64.8	48.2	72.4

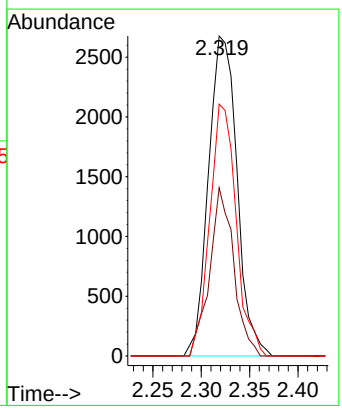


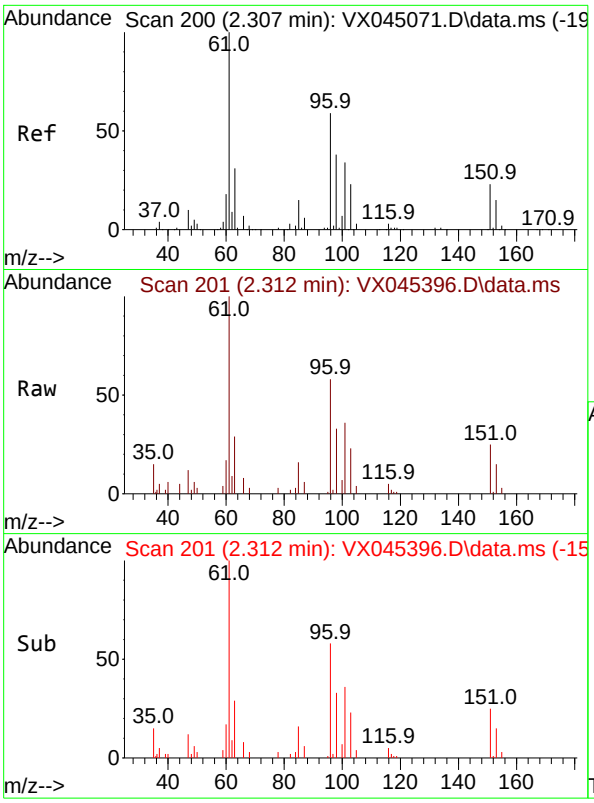


#9
1,1,2-Trichlorotrifluoroethane
Concen: 7.122 ug/l
RT: 2.318 min Scan# 202
Delta R.T. 0.006 min
Lab File: VX045396.D
Acq: 21 Mar 2025 18:21

Tgt Ion:101 Resp: 5497

Ion	Ratio	Lower	Upper
101	100		
85	44.4	36.2	54.4
151	72.8	56.4	84.6



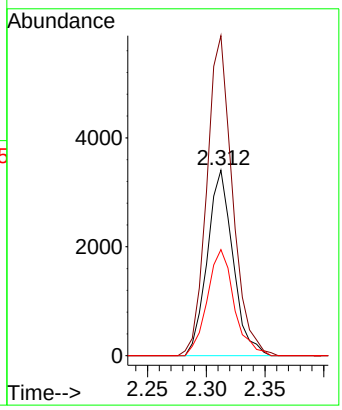


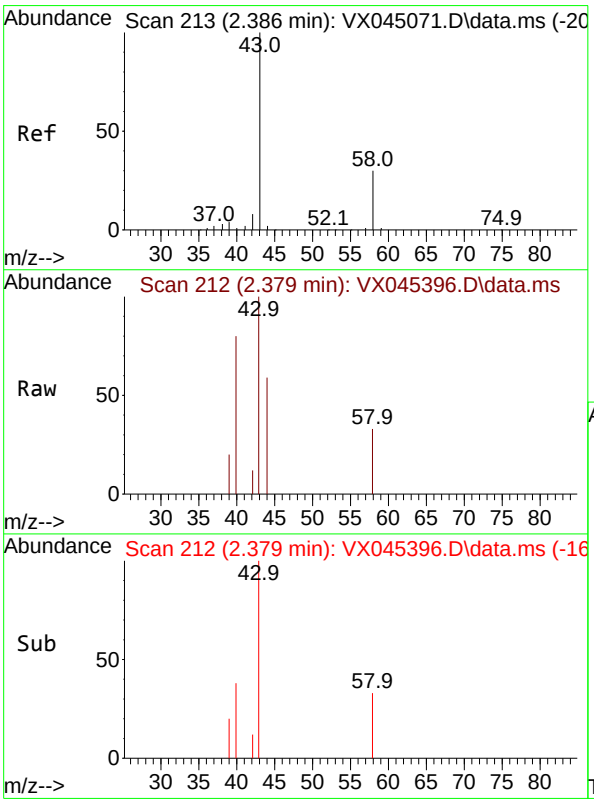
#12
1,1-Dichloroethene
Concen: 6.354 ug/l
RT: 2.312 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX045396.D
Acq: 21 Mar 2025 18:21

Instrument :
MSVOA_X
ClientSampleId :
RE139D2-20250317

Tgt Ion: 96 Resp: 5185

Ion	Ratio	Lower	Upper
96	100		
61	172.6	134.6	202.0
98	57.2	51.0	76.6

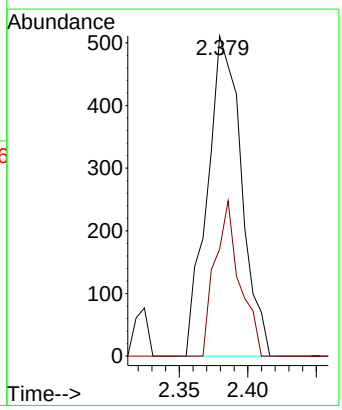


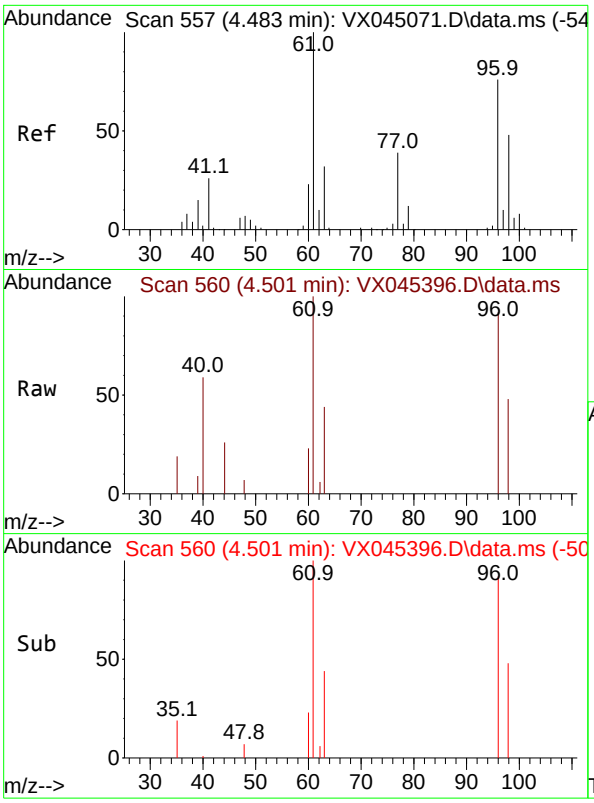


#16
Acetone
Concen: 1.808 ug/l
RT: 2.379 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX045396.D
Acq: 21 Mar 2025 18:21

Tgt Ion: 43 Resp: 886

Ion	Ratio	Lower	Upper
43	100		
58	33.5	24.2	36.4



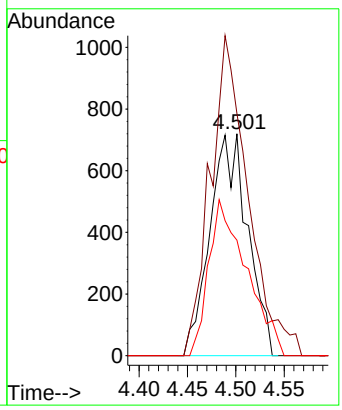


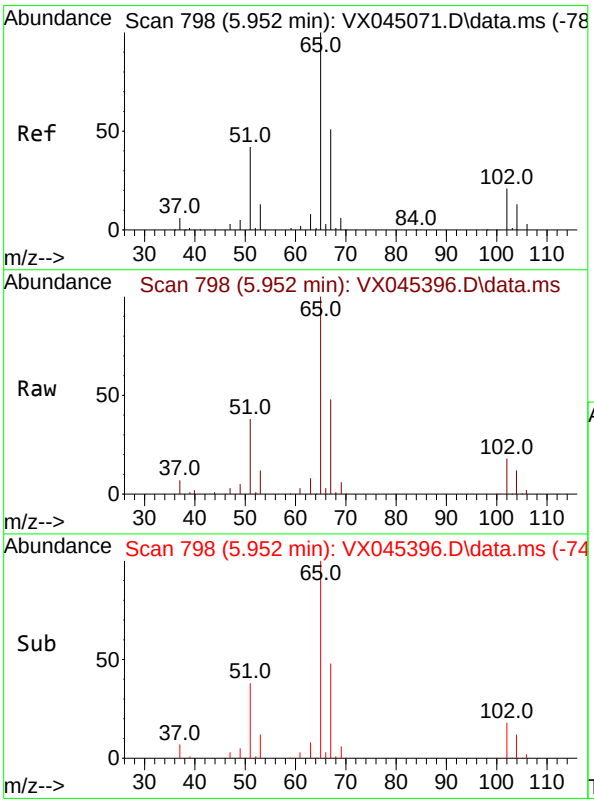
#27
cis-1,2-Dichloroethene
Concen: 1.957 ug/l
RT: 4.501 min Scan# 5
Delta R.T. 0.018 min
Lab File: VX045396.D
Acq: 21 Mar 2025 18:21

Instrument :
MSVOA_X
ClientSampleId :
RE139D2-20250317

Tgt Ion: 96 Resp: 1948

Ion	Ratio	Lower	Upper
96	100		
61	145.2	0.0	283.2
98	70.7	0.0	128.0

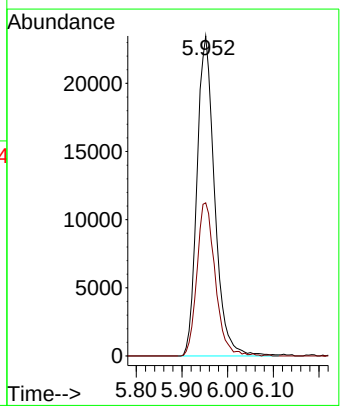


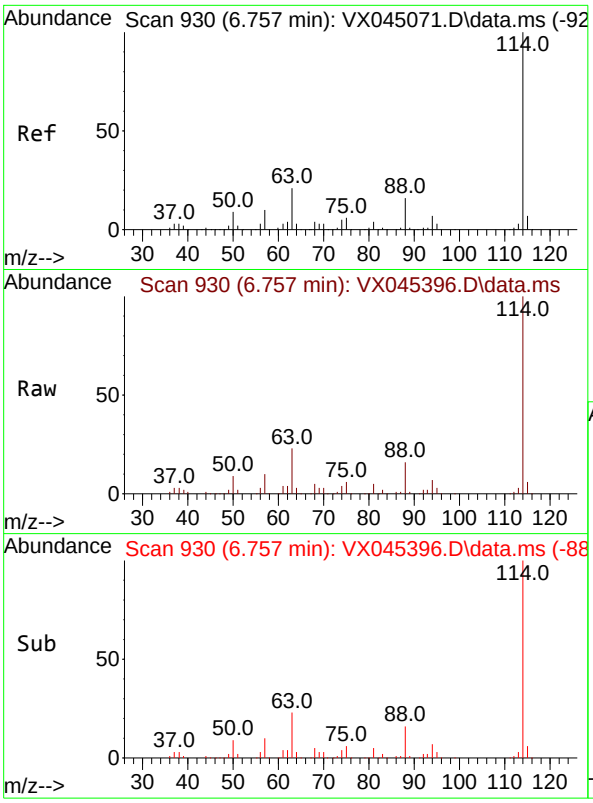


#33
1,2-Dichloroethane-d4
Concen: 59.503 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX045396.D
Acq: 21 Mar 2025 18:21

Tgt Ion: 65 Resp: 62856

Ion	Ratio	Lower	Upper
65	100		
67	49.5	0.0	106.2



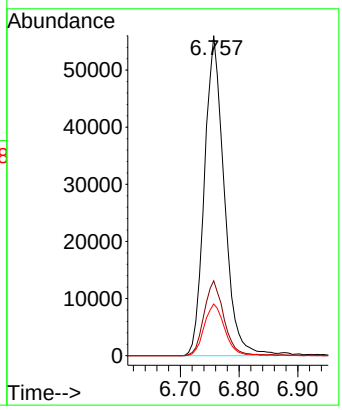


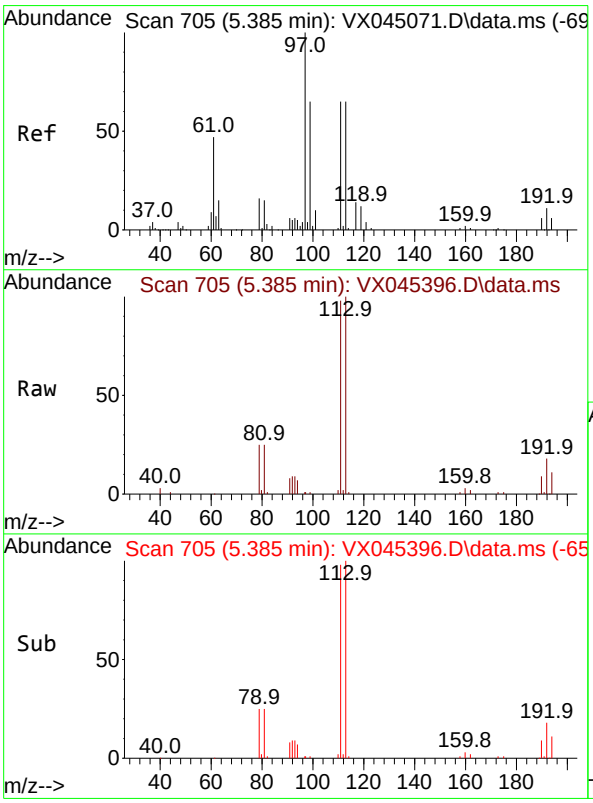
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX045396.D
Acq: 21 Mar 2025 18:21

Instrument :
MSVOA_X
ClientSampleId :
RE139D2-20250317

Tgt Ion:114 Resp: 131424

Ion	Ratio	Lower	Upper
114	100		
63	23.4	0.0	41.8
88	16.1	0.0	32.8

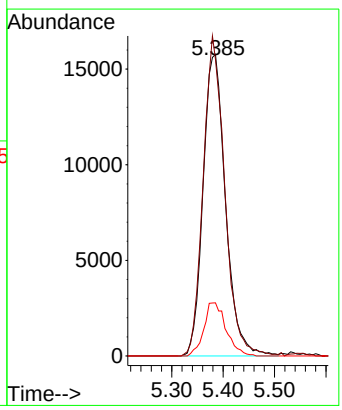


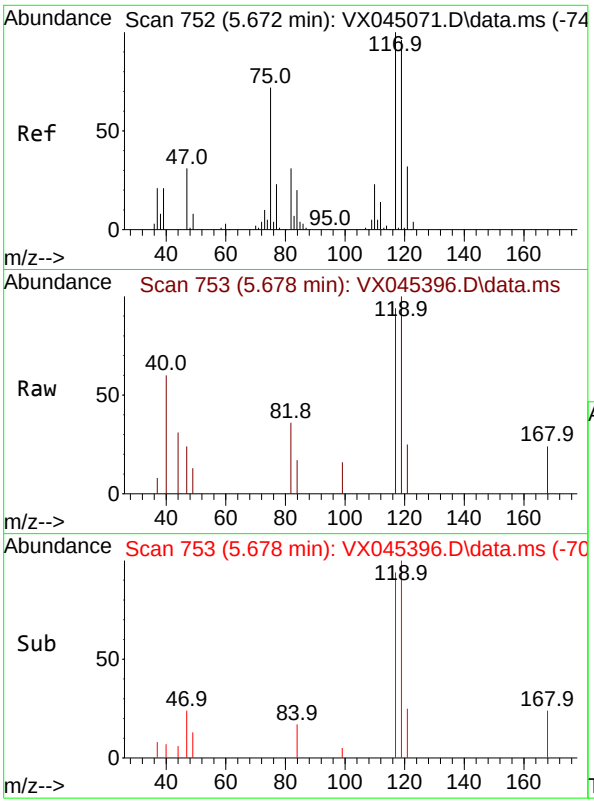


#35
Dibromofluoromethane
Concen: 54.474 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX045396.D
Acq: 21 Mar 2025 18:21

Tgt Ion:113 Resp: 47872

Ion	Ratio	Lower	Upper
113	100		
111	101.6	81.8	122.6
192	17.4	14.3	21.5



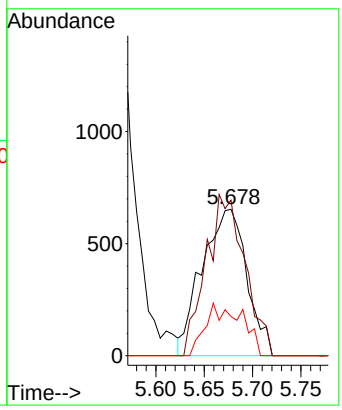


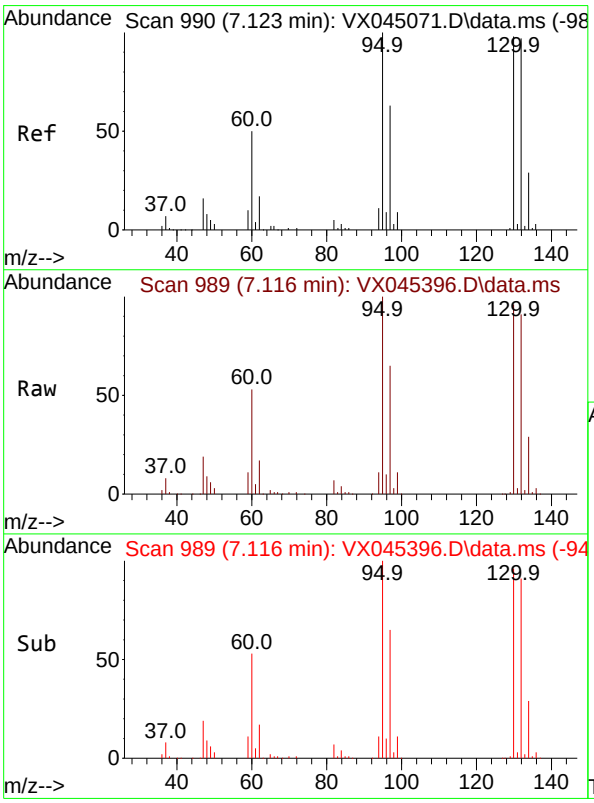
#38
Carbon Tetrachloride
Concen: 1.713 ug/l
RT: 5.678 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX045396.D
Acq: 21 Mar 2025 18:21

Instrument :
MSVOA_X
ClientSampleId :
RE139D2-20250317

Tgt Ion:117 Resp: 2096

Ion	Ratio	Lower	Upper
117	100		
119	106.3	76.7	115.1
121	26.8	25.5	38.3

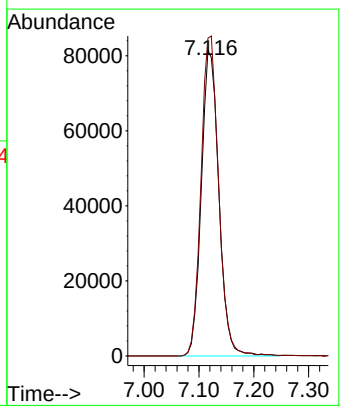


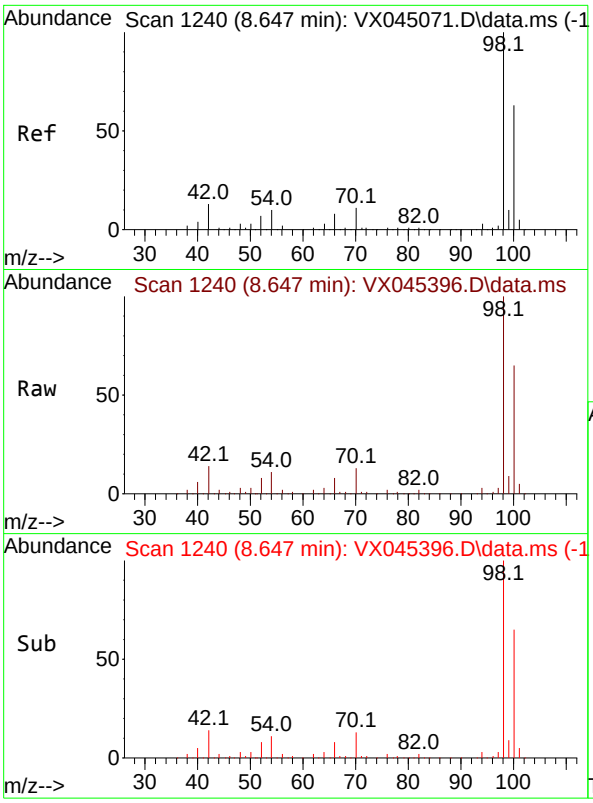


#44
Trichloroethene
Concen: 202.480 ug/l
RT: 7.116 min Scan# 989
Delta R.T. -0.006 min
Lab File: VX045396.D
Acq: 21 Mar 2025 18:21

Tgt Ion:130 Resp: 180938

Ion	Ratio	Lower	Upper
130	100		
95	104.0	0.0	205.0



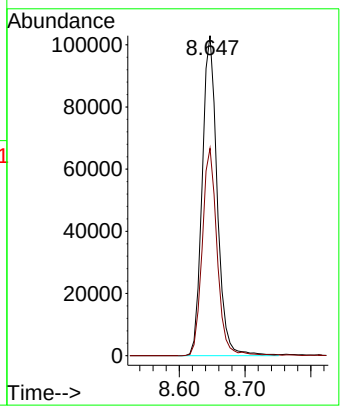


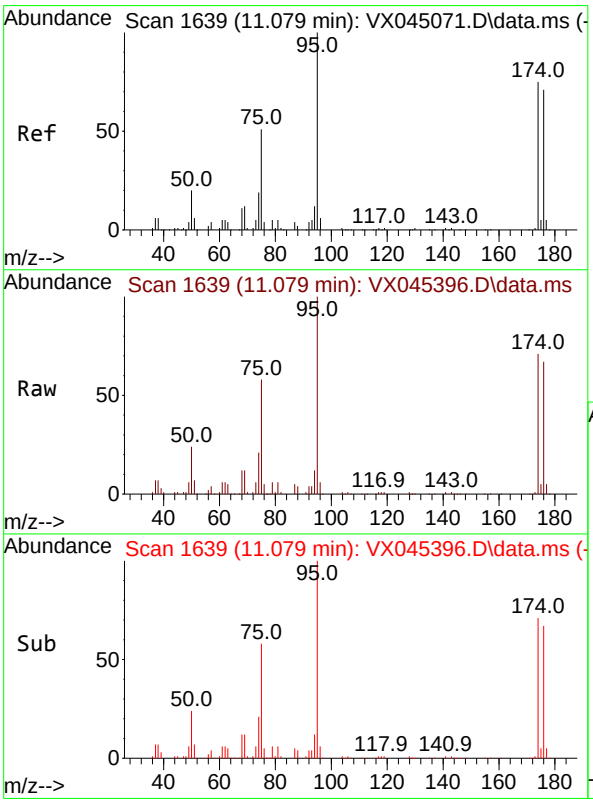
#50
Toluene-d8
Concen: 51.313 ug/l
RT: 8.647 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045396.D
Acq: 21 Mar 2025 18:21

Instrument :
MSVOA_X
ClientSampleId :
RE139D2-20250317

Tgt Ion: 98 Resp: 163480

Ion	Ratio	Lower	Upper
98	100		
100	64.2	52.0	78.0

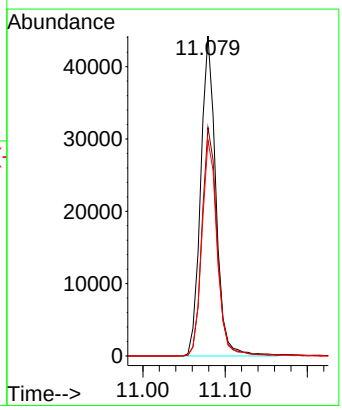


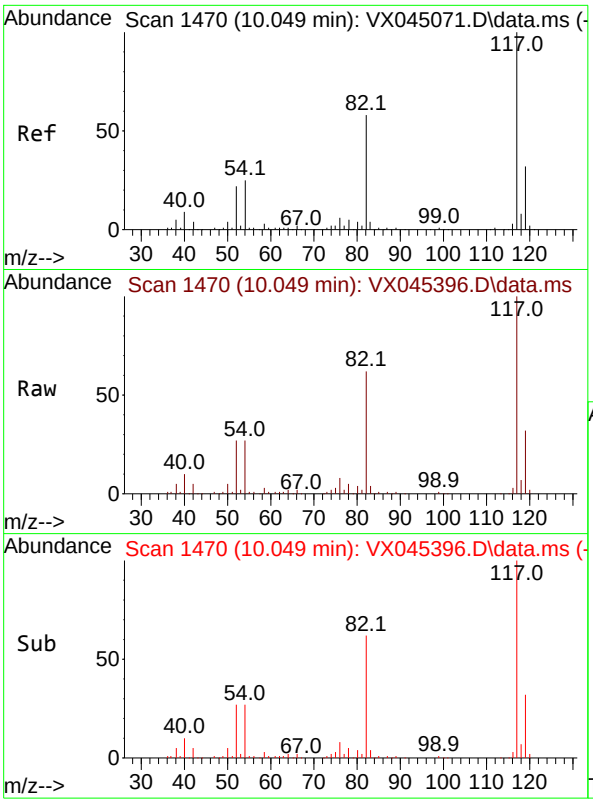


#62
4-Bromofluorobenzene
Concen: 53.778 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045396.D
Acq: 21 Mar 2025 18:21

Tgt Ion: 95 Resp: 56775

Ion	Ratio	Lower	Upper
95	100		
174	71.7	0.0	148.2
176	68.2	0.0	141.4



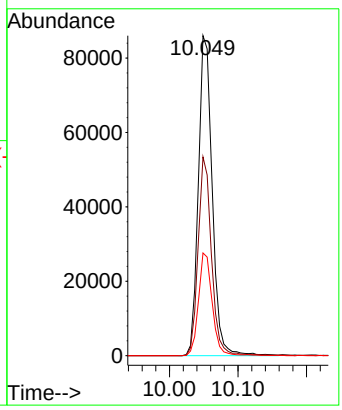


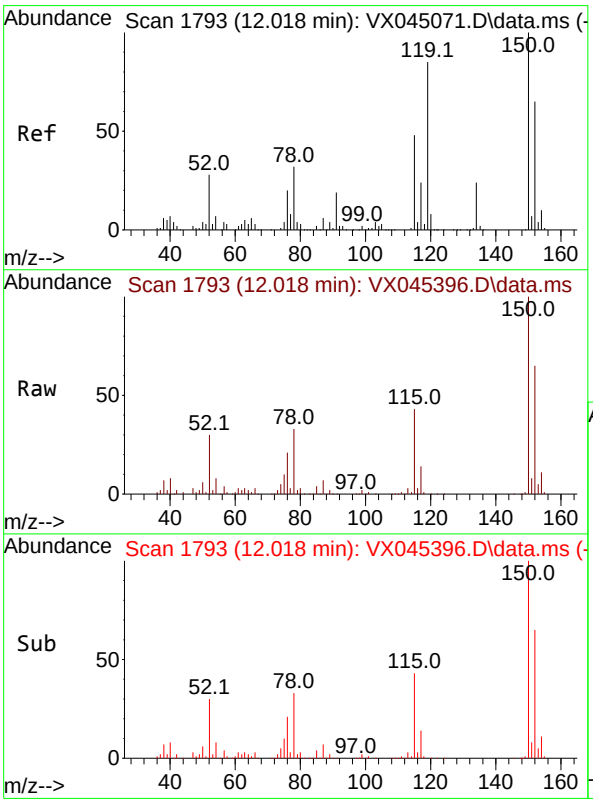
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045396.D
Acq: 21 Mar 2025 18:21

Instrument :
MSVOA_X
ClientSampleId :
RE139D2-20250317

Tgt Ion:117 Resp: 121699

Ion	Ratio	Lower	Upper
117	100		
82	62.1	46.3	69.5
119	32.1	25.7	38.5

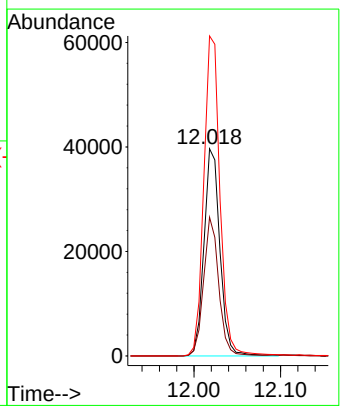




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045396.D
Acq: 21 Mar 2025 18:21

Tgt Ion:152 Resp: 50801

Ion	Ratio	Lower	Upper
152	100		
115	63.5	44.2	132.6
150	156.8	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:	03/17/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/19/25
Client Sample ID:	RE139D2-20250317DL	SDG No.:	Q1608
Lab Sample ID:	Q1608-03DL	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045409.D	4		03/24/25 12:57	VX032425

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	7.20	D	1.00	2.00	4.00	ug/L
75-35-4	1,1-Dichloroethene	6.10	D	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	200	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

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Fax : 908 789 8922

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	03/17/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/19/25
Client Sample ID:	RE139D2-20250317DL	SDG No.:	Q1608
Lab Sample ID:	Q1608-03DL	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045409.D	4		03/24/25 12:57	VX032425

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	2.00	UD	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	57.1		81 - 118		114%	SPK: 50
1868-53-7	Dibromofluoromethane	53.9		80 - 119		108%	SPK: 50
2037-26-5	Toluene-d8	51.5		89 - 112		103%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.1		85 - 114		104%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	67800	5.55				
540-36-3	1,4-Difluorobenzene	131000	6.757				
3114-55-4	Chlorobenzene-d5	118000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	46300	12.018				

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Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	03/17/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/19/25
Client Sample ID:	RE139D2-20250317DL	SDG No.:	Q1608
Lab Sample ID:	Q1608-03DL	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045409.D	4		03/24/25 12:57	VX032425

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\VX032425\
Data File : VX045409.D
Acq On : 24 Mar 2025 12:57
Operator : JC/MD
Sample : Q1608-03DL 4X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RE139D2-20250317DL

Quant Time: Mar 25 01:32:40 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

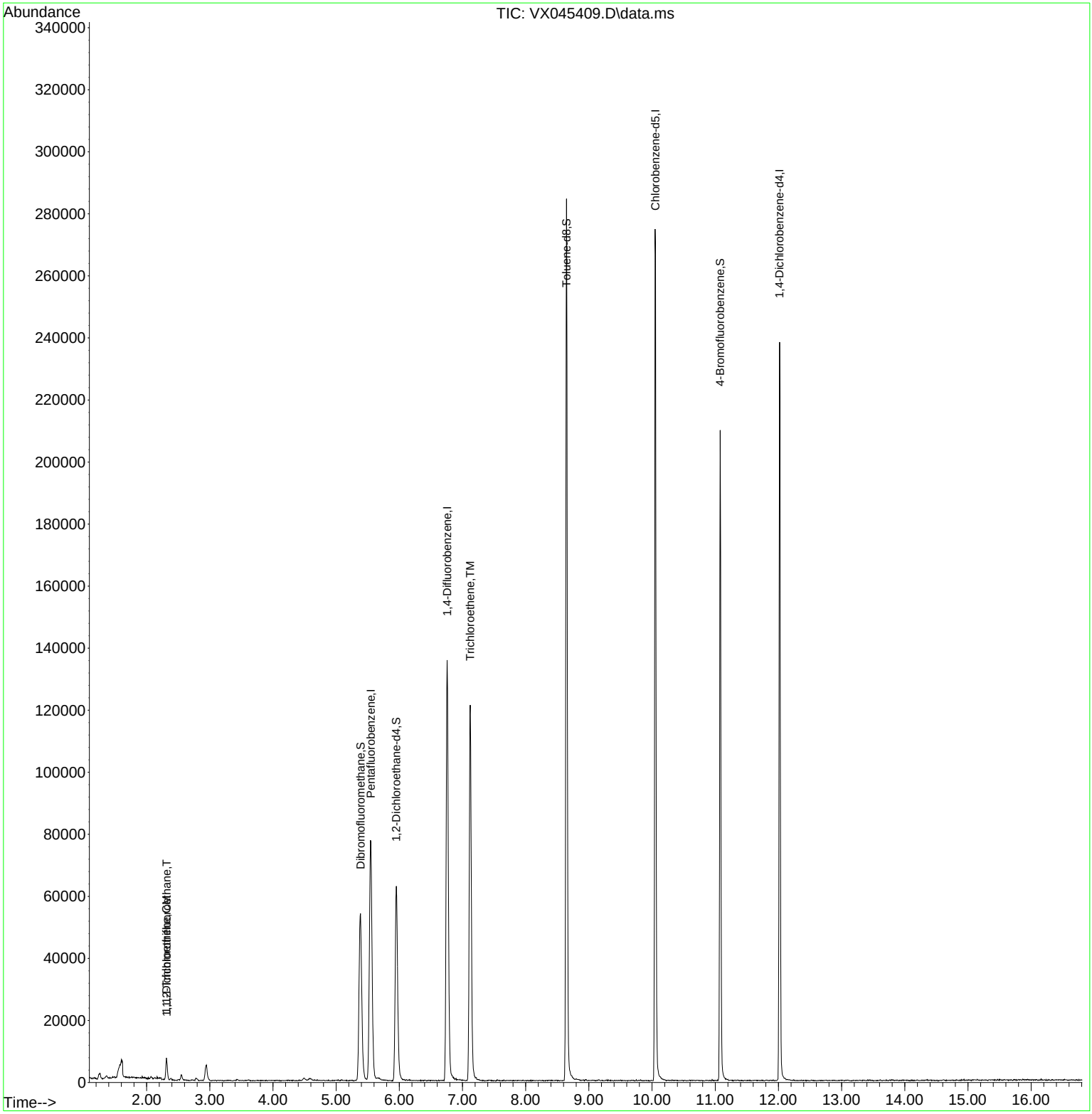
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	67782	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	131487	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	118431	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	46305	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	61534	57.073	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 114.140%			
35) Dibromofluoromethane	5.385	113	47399	53.910	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.820%			
50) Toluene-d8	8.647	98	164206	51.516	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.040%			
62) 4-Bromofluorobenzene	11.079	95	55063	52.131	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 104.260%			
Target Compounds						Qvalue
9) 1,1,2-Trichlorotrifluo...	2.319	101	1419	1.801	ug/l	91
12) 1,1-Dichloroethene	2.312	96	1278	1.534	ug/l	96
44) Trichloroethene	7.123	130	44814	50.125	ug/l	98

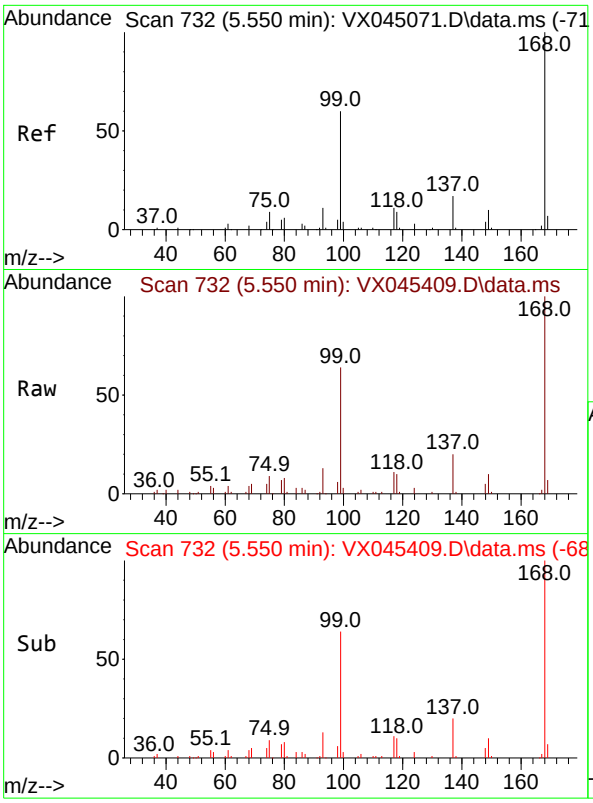
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032425\
Data File : VX045409.D
Acq On : 24 Mar 2025 12:57
Operator : JC/MD
Sample : Q1608-03DL 4X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RE139D2-20250317DL

Quant Time: Mar 25 01:32:40 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



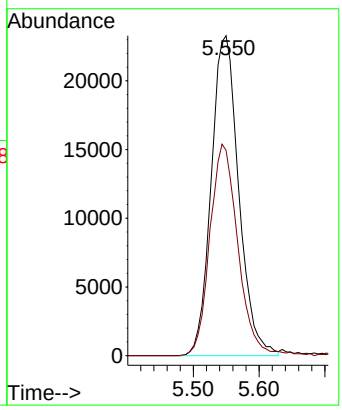


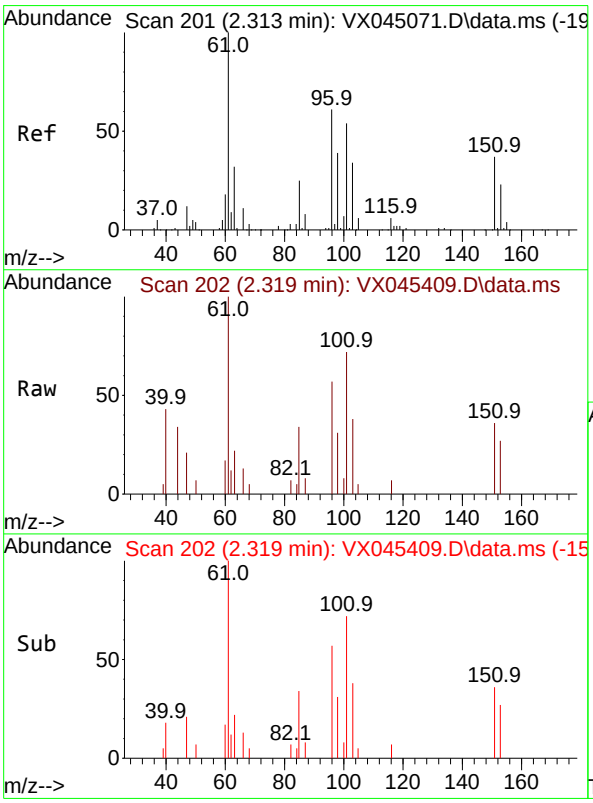
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045409.D
Acq: 24 Mar 2025 12:57

Instrument :
MSVOA_X
ClientSampleId :
RE139D2-20250317DL

Tgt Ion:168 Resp: 67782

Ion	Ratio	Lower	Upper
168	100		
99	64.2	48.2	72.4

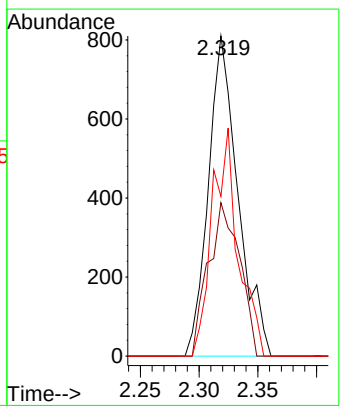


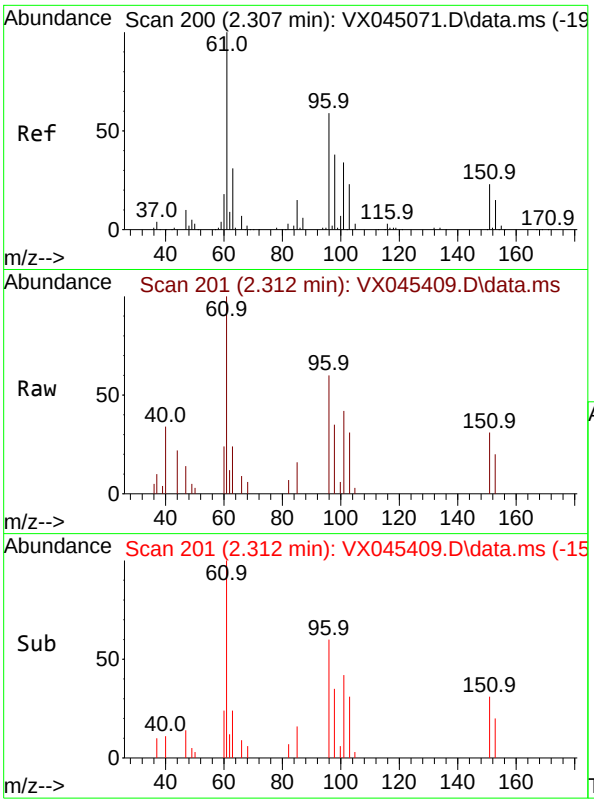


#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.801 ug/l
RT: 2.319 min Scan# 202
Delta R.T. 0.006 min
Lab File: VX045409.D
Acq: 24 Mar 2025 12:57

Tgt Ion:101 Resp: 1419

Ion	Ratio	Lower	Upper
101	100		
85	50.8	36.2	54.4
151	62.5	56.4	84.6



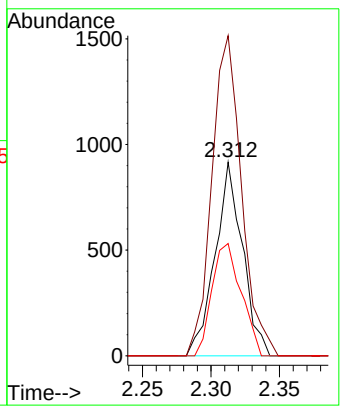


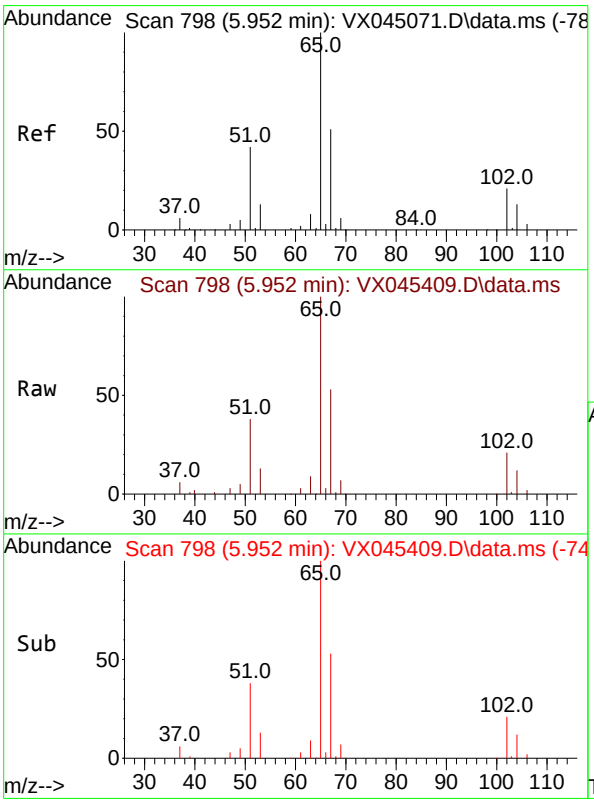
#12
1,1-Dichloroethene
Concen: 1.534 ug/l
RT: 2.312 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX045409.D
Acq: 24 Mar 2025 12:57

Instrument :
MSVOA_X
ClientSampleId :
RE139D2-20250317DL

Tgt Ion: 96 Resp: 1278

Ion	Ratio	Lower	Upper
96	100		
61	165.4	134.6	202.0
98	58.0	51.0	76.6

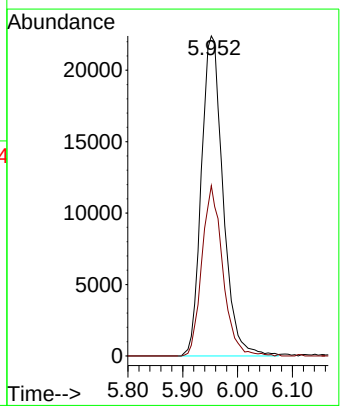


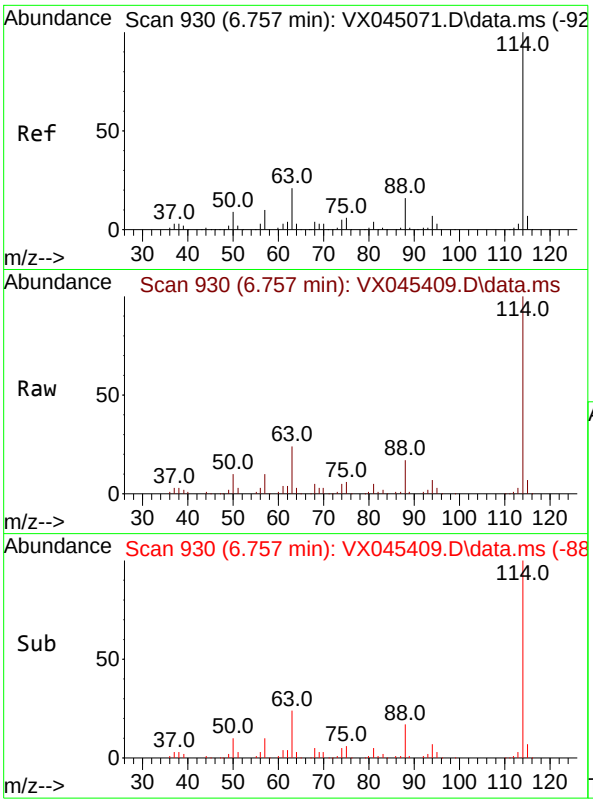


#33
1,2-Dichloroethane-d4
Concen: 57.073 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX045409.D
Acq: 24 Mar 2025 12:57

Tgt Ion: 65 Resp: 61534

Ion	Ratio	Lower	Upper
65	100		
67	51.2	0.0	106.2



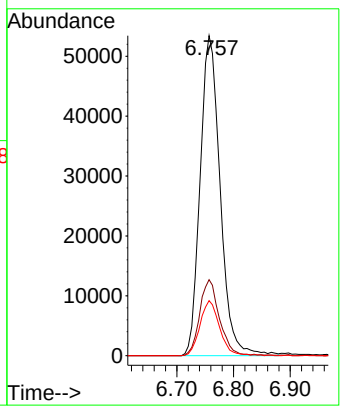


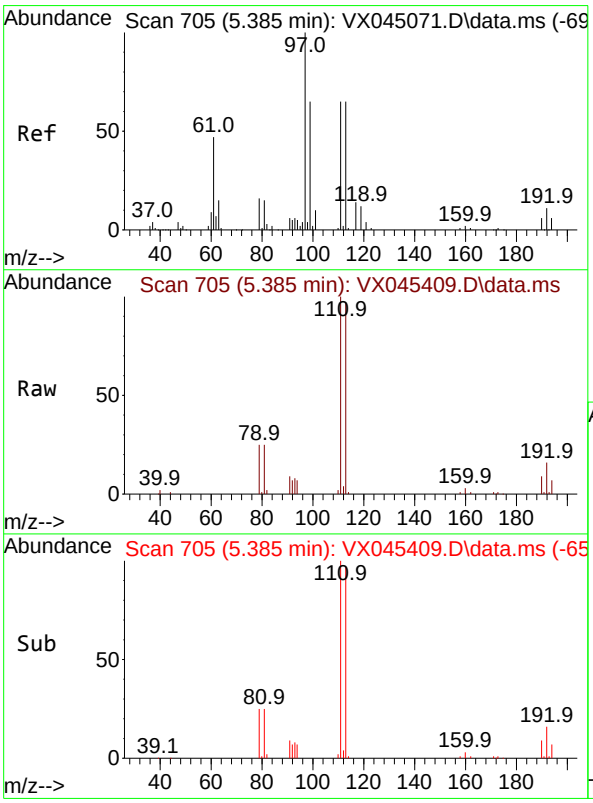
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX045409.D
Acq: 24 Mar 2025 12:57

Instrument :
MSVOA_X
ClientSampleId :
RE139D2-20250317DL

Tgt Ion:114 Resp: 131487

Ion	Ratio	Lower	Upper
114	100		
63	23.8	0.0	41.8
88	17.2	0.0	32.8

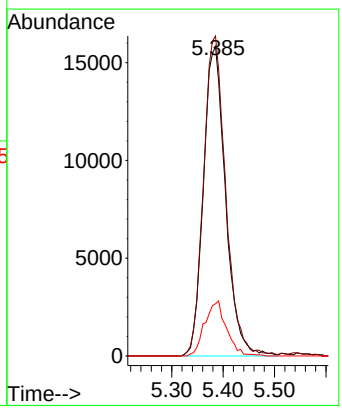


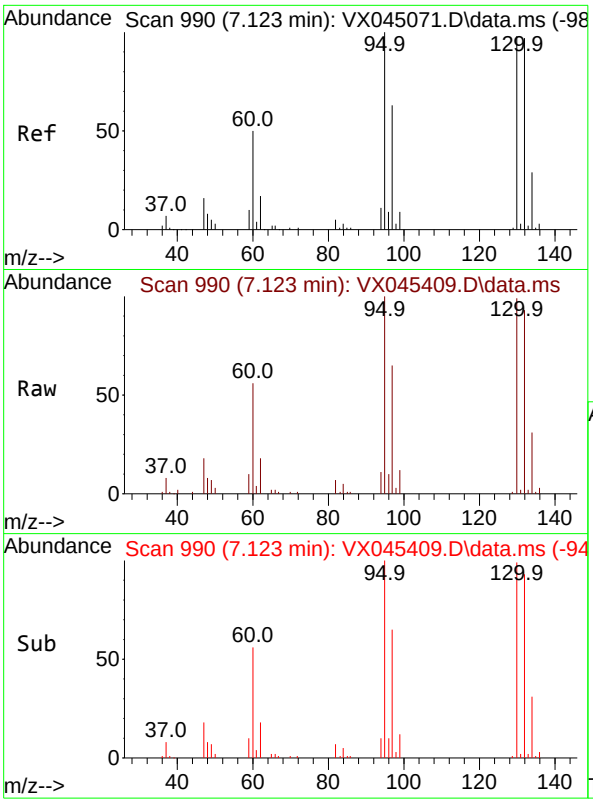


#35
Dibromofluoromethane
Concen: 53.910 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX045409.D
Acq: 24 Mar 2025 12:57

Tgt Ion:113 Resp: 47399

Ion	Ratio	Lower	Upper
113	100		
111	103.7	81.8	122.6
192	17.4	14.3	21.5



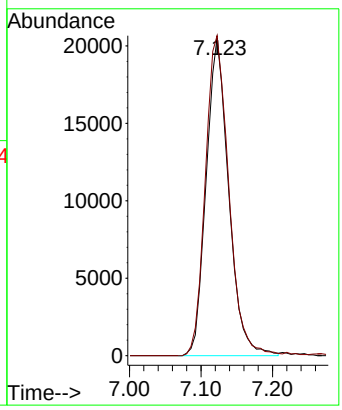


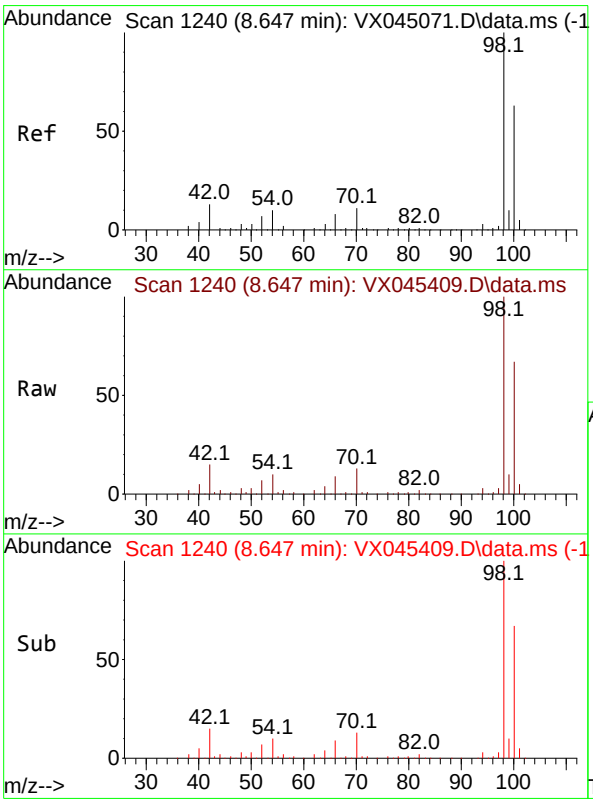
#44
Trichloroethene
Concen: 50.125 ug/l
RT: 7.123 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX045409.D
Acq: 24 Mar 2025 12:57

Instrument :
MSVOA_X
ClientSampleId :
RE139D2-20250317DL

Tgt Ion:130 Resp: 44814

Ion	Ratio	Lower	Upper
130	100		
95	100.7	0.0	205.0

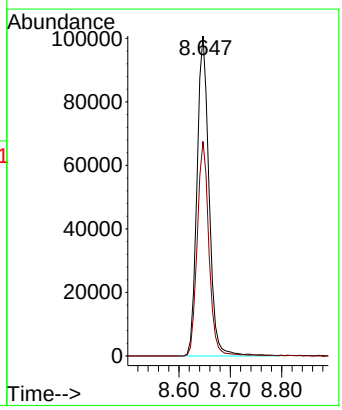


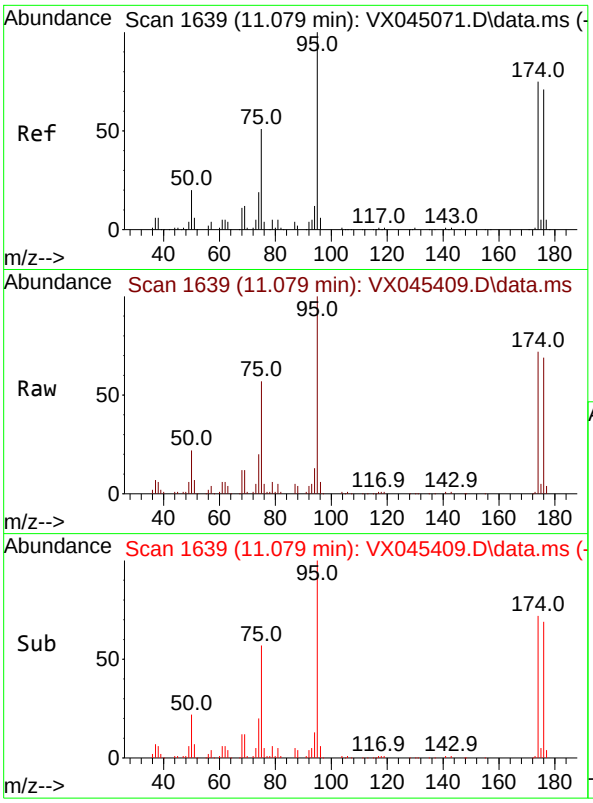


#50
Toluene-d8
Concen: 51.516 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045409.D
Acq: 24 Mar 2025 12:57

Tgt Ion: 98 Resp: 164206

Ion	Ratio	Lower	Upper
98	100		
100	64.9	52.0	78.0



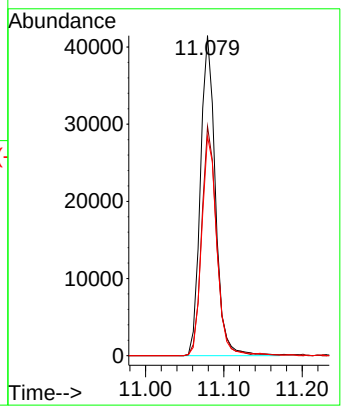


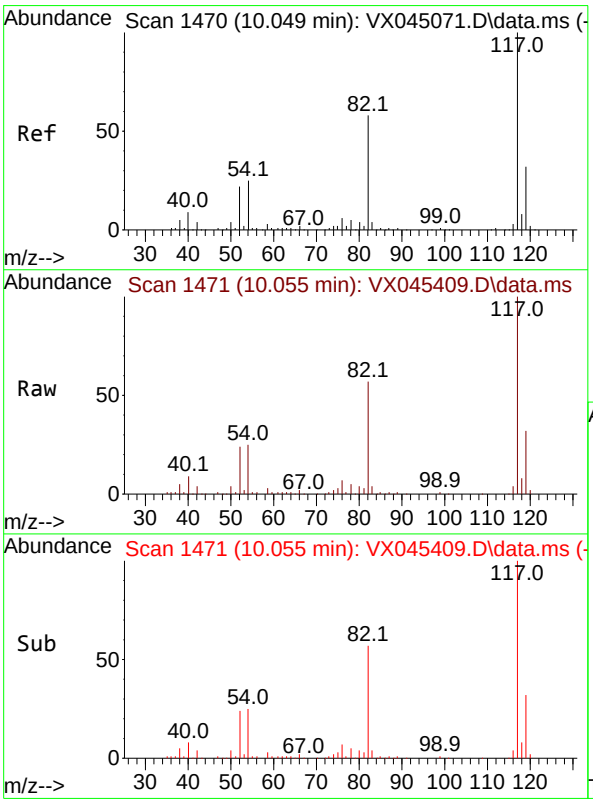
#62
4-Bromofluorobenzene
Concen: 52.131 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045409.D
Acq: 24 Mar 2025 12:57

Instrument :
MSVOA_X
ClientSampleId :
RE139D2-20250317DL

Tgt Ion: 95 Resp: 55063

Ion	Ratio	Lower	Upper
95	100		
174	71.8	0.0	148.2
176	69.6	0.0	141.4

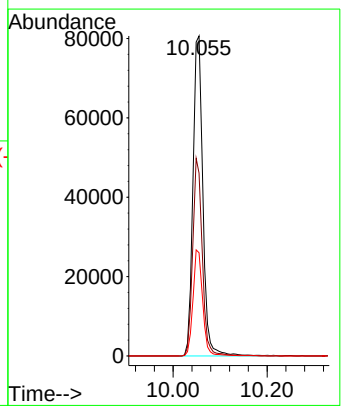


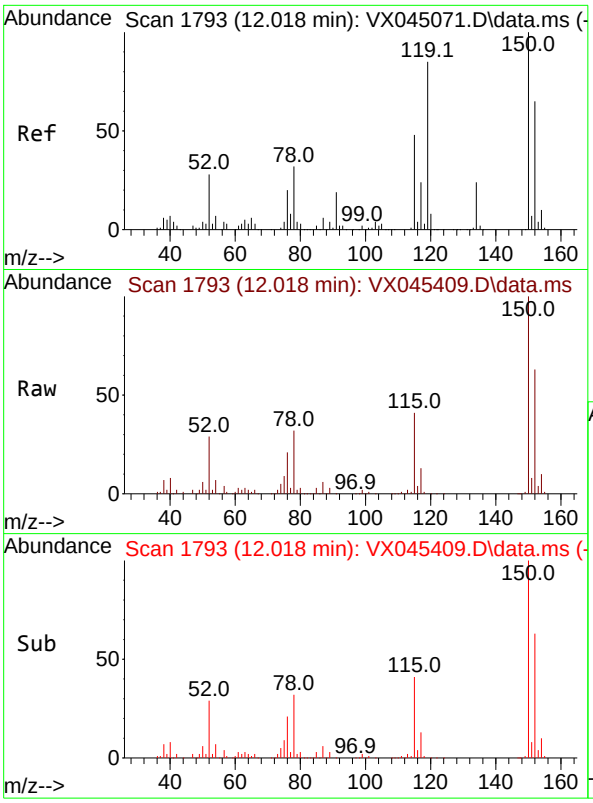


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VX045409.D
Acq: 24 Mar 2025 12:57

Tgt Ion:117 Resp: 118431

Ion	Ratio	Lower	Upper
117	100		
82	57.2	46.3	69.5
119	32.3	25.7	38.5



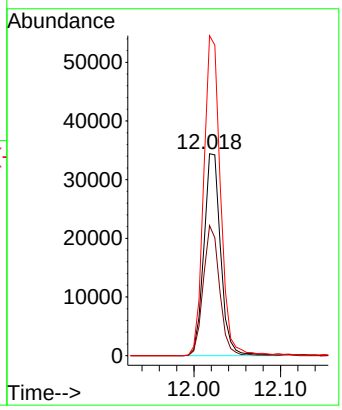


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045409.D
Acq: 24 Mar 2025 12:57

Instrument :
MSVOA_X
ClientSampleId :
RE139D2-20250317DL

Tgt Ion:152 Resp: 46305

Ion	Ratio	Lower	Upper
152	100		
115	62.8	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:	03/17/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/19/25
Client Sample ID:	TT205S1-20250317	SDG No.:	Q1608
Lab Sample ID:	Q1608-04	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
VX045397.D	1		03/21/25 18:44	VX032125

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	1.40		0.23	0.75	1.00	ug/L
67-64-1	Acetone	2.70	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	38.2		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:	03/17/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/19/25
Client Sample ID:	TT205S1-20250317	SDG No.:	Q1608
Lab Sample ID:	Q1608-04	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
VX045397.D	1		03/21/25 18:44	VX032125

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	57.2		81 - 118		114%	SPK: 50
1868-53-7	Dibromofluoromethane	52.9		80 - 119		106%	SPK: 50
2037-26-5	Toluene-d8	51.8		89 - 112		104%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.3		85 - 114		101%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	68200	5.544				
540-36-3	1,4-Difluorobenzene	135000	6.757				
3114-55-4	Chlorobenzene-d5	121000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	44700	12.018				

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Fax : 908 789 8922

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	03/17/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/19/25
Client Sample ID:	TT205S1-20250317	SDG No.:	Q1608
Lab Sample ID:	Q1608-04	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
VX045397.D	1		03/21/25 18:44	VX032125

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\VX032125\
Data File : VX045397.D
Acq On : 21 Mar 2025 18:44
Operator : JC/MD
Sample : Q1608-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TT205S1-20250317

Quant Time: Mar 21 23:20:01 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

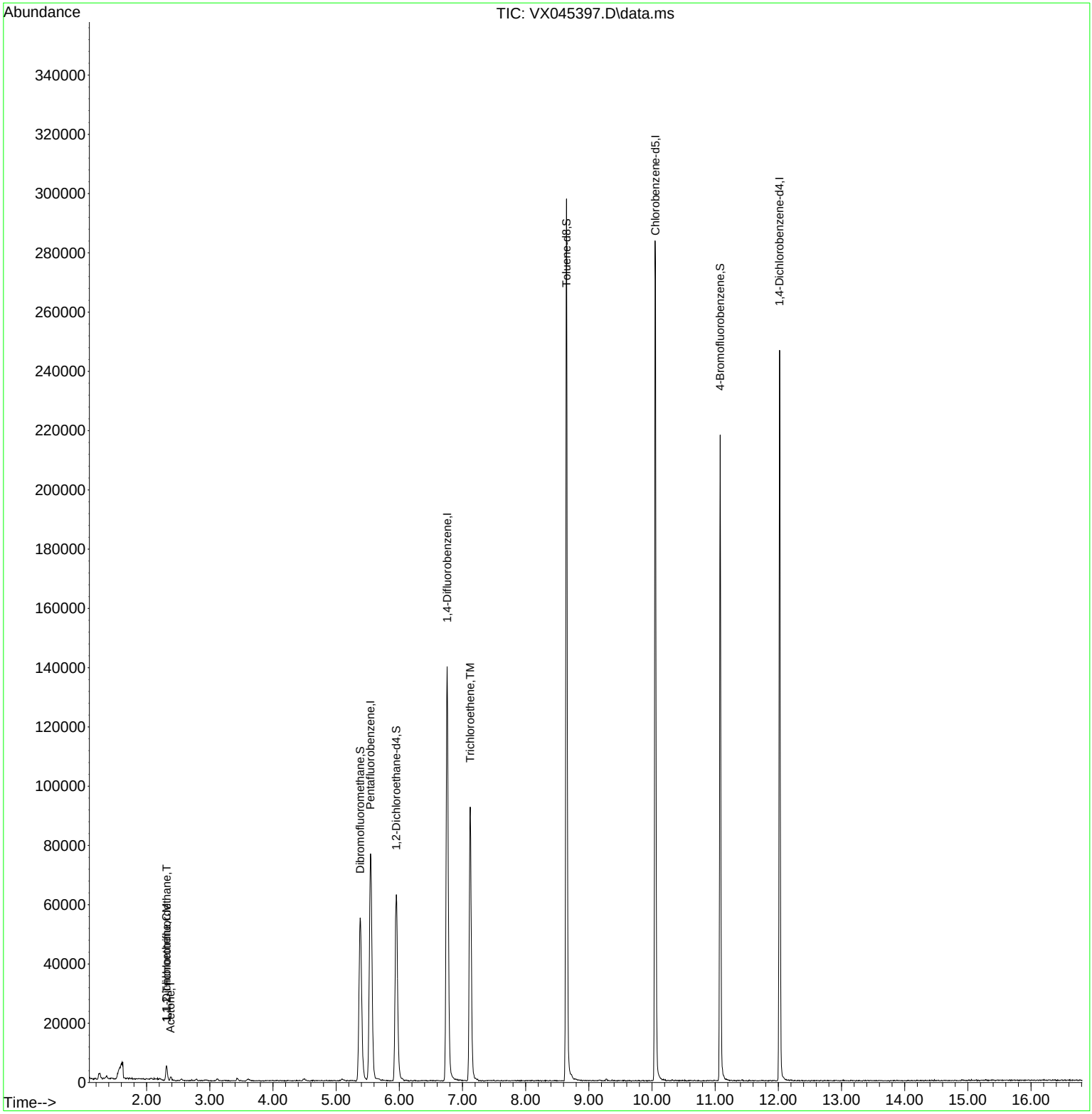
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	68231	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	134675	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	120991	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	44710	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	62065	57.186	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 114.380%			
35) Dibromofluoromethane	5.379	113	47612	52.871	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.740%			
50) Toluene-d8	8.647	98	169083	51.790	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.580%			
62) 4-Bromofluorobenzene	11.079	95	54468	50.347	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 100.700%			
Target Compounds						Qvalue
9) 1,1,2-Trichlorotrifluo...	2.319	101	1057	1.333	ug/l	90
12) 1,1-Dichloroethene	2.313	96	1139	1.359	ug/l	88
16) Acetone	2.380	43	1372	2.725	ug/l	97
44) Trichloroethene	7.123	130	34971	38.190	ug/l	97

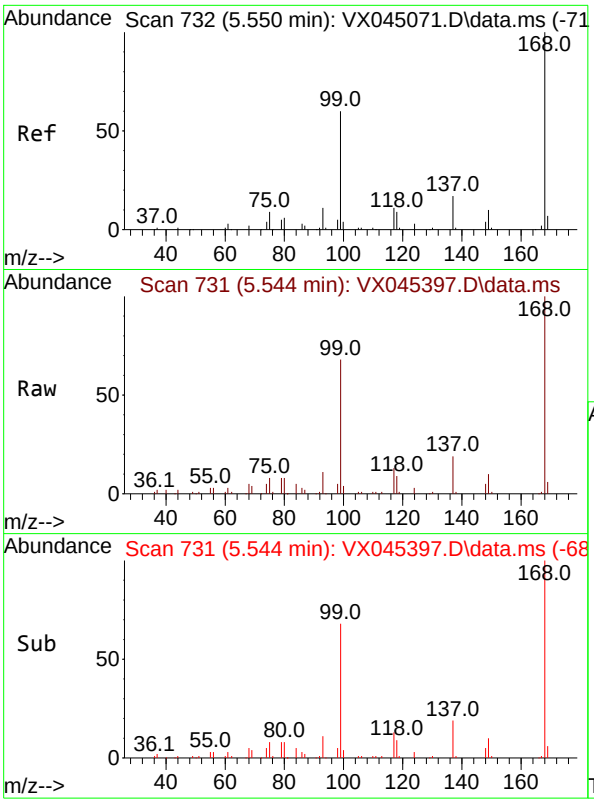
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032125\
Data File : VX045397.D
Acq On : 21 Mar 2025 18:44
Operator : JC/MD
Sample : Q1608-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TT205S1-20250317

Quant Time: Mar 21 23:20:01 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



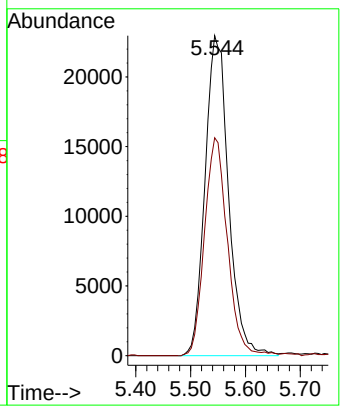


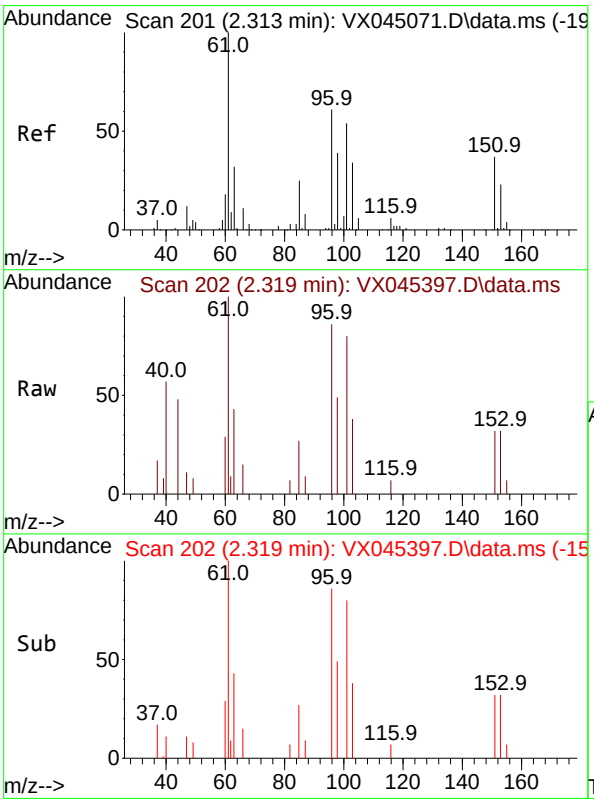
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045397.D
Acq: 21 Mar 2025 18:44

Instrument :
MSVOA_X
ClientSampleId :
TT205S1-20250317

Tgt Ion:168 Resp: 68231

Ion	Ratio	Lower	Upper
168	100		
99	68.1	48.2	72.4

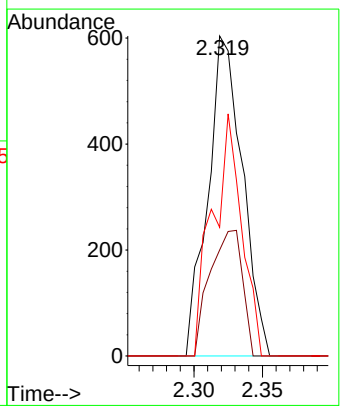


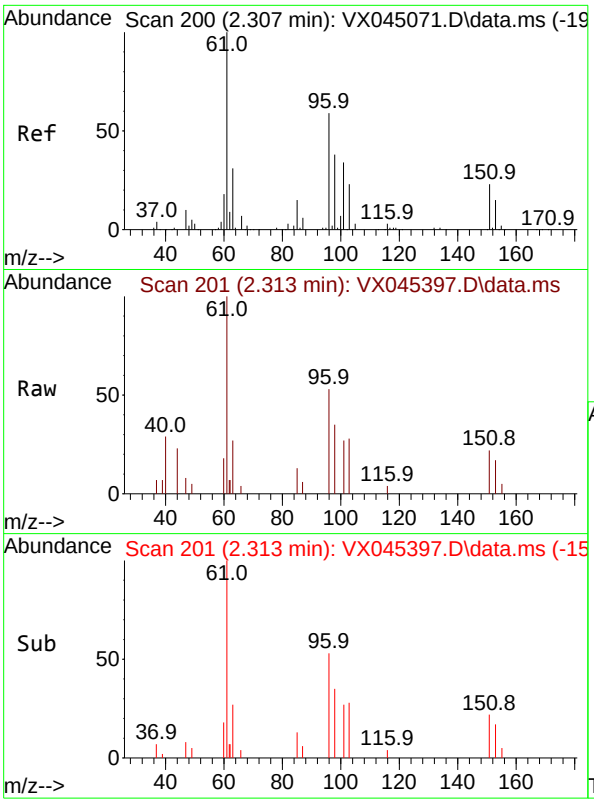


#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.333 ug/l
RT: 2.319 min Scan# 202
Delta R.T. 0.006 min
Lab File: VX045397.D
Acq: 21 Mar 2025 18:44

Tgt Ion:101 Resp: 1057

Ion	Ratio	Lower	Upper
101	100		
85	37.1	36.2	54.4
151	64.0	56.4	84.6



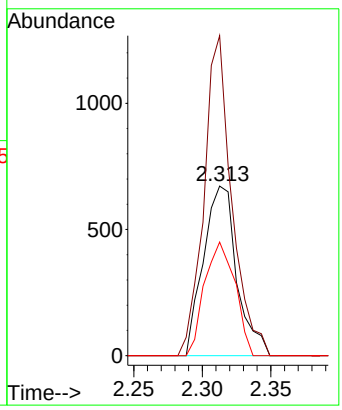


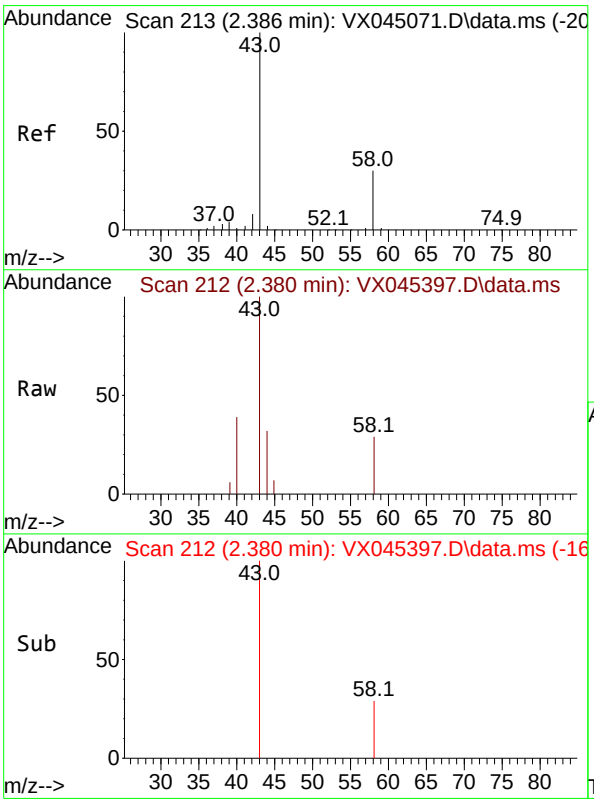
#12
1,1-Dichloroethene
Concen: 1.359 ug/l
RT: 2.313 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX045397.D
Acq: 21 Mar 2025 18:44

Instrument :
MSVOA_X
ClientSampleId :
TT205S1-20250317

Tgt Ion: 96 Resp: 1139

Ion	Ratio	Lower	Upper
96	100		
61	188.7	134.6	202.0
98	67.0	51.0	76.6

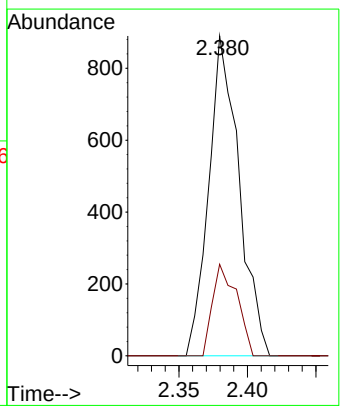


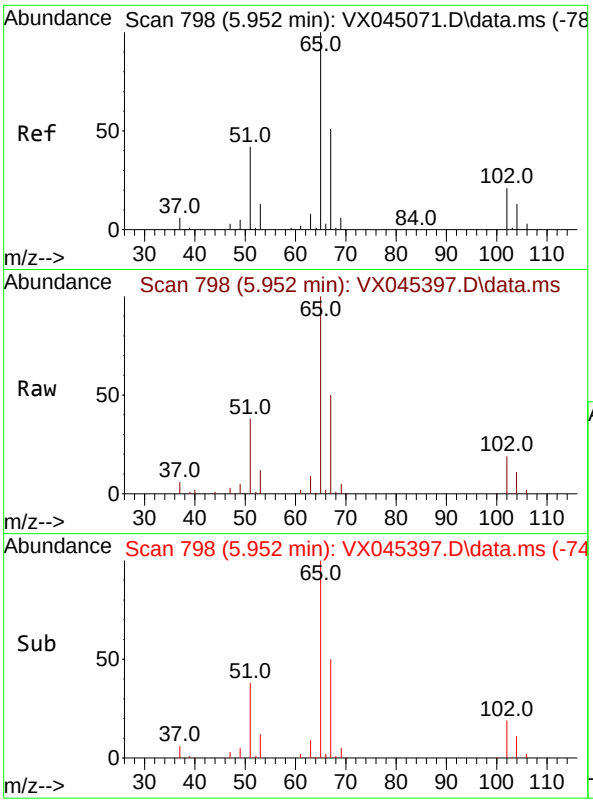


#16
Acetone
Concen: 2.725 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX045397.D
Acq: 21 Mar 2025 18:44

Tgt Ion: 43 Resp: 1372

Ion	Ratio	Lower	Upper
43	100		
58	28.7	24.2	36.4



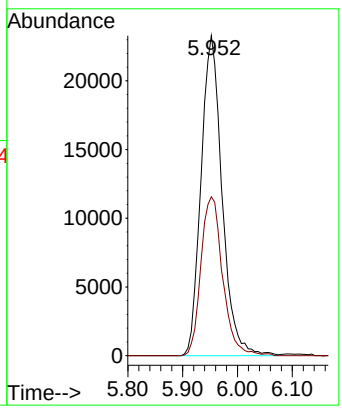


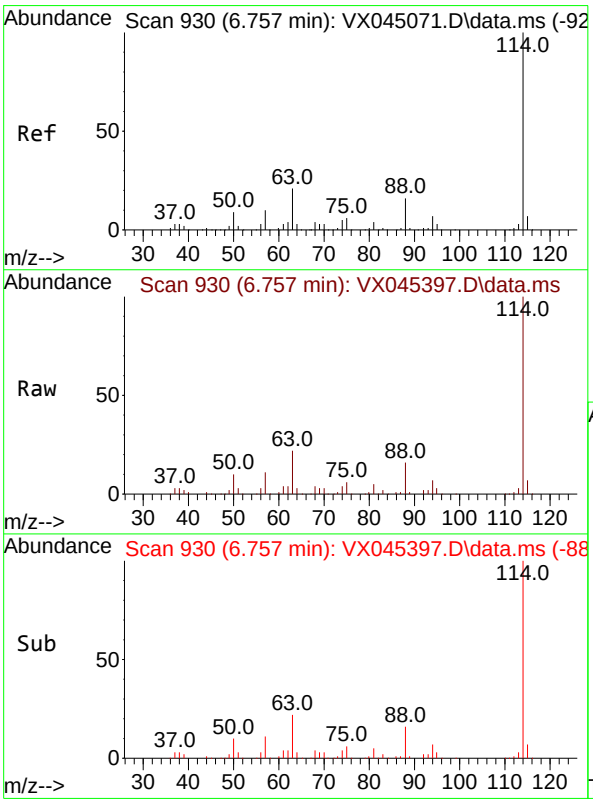
#33
1,2-Dichloroethane-d4
Concen: 57.186 ug/l
RT: 5.952 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX045397.D
Acq: 21 Mar 2025 18:44

Instrument :
MSVOA_X
ClientSampleId :
TT205S1-20250317

Tgt Ion: 65 Resp: 62065

Ion	Ratio	Lower	Upper
65	100		
67	51.1	0.0	106.2

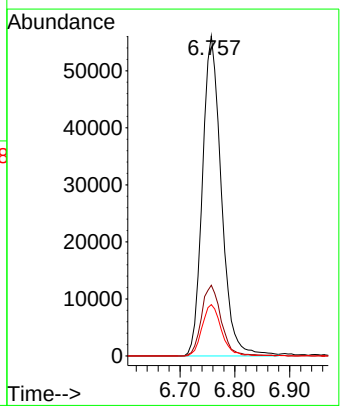


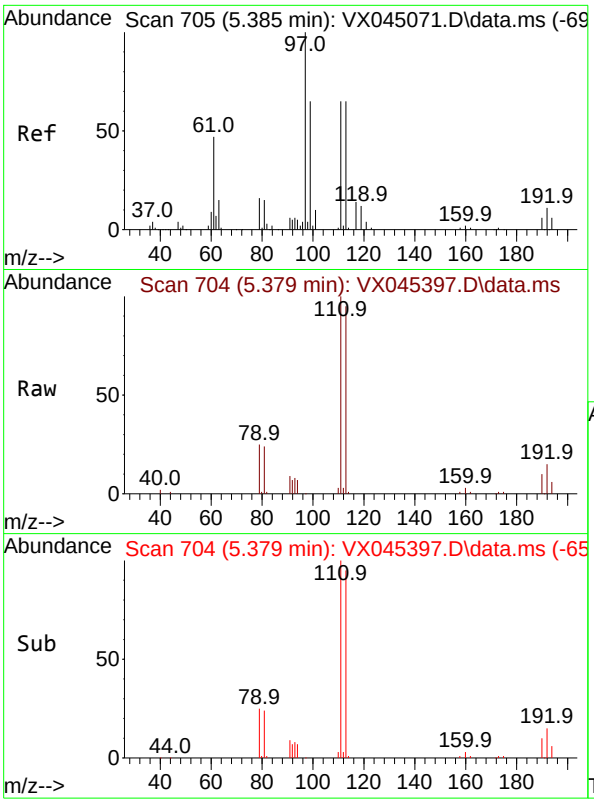


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX045397.D
Acq: 21 Mar 2025 18:44

Tgt Ion:114 Resp: 134675

Ion	Ratio	Lower	Upper
114	100		
63	22.1	0.0	41.8
88	16.0	0.0	32.8



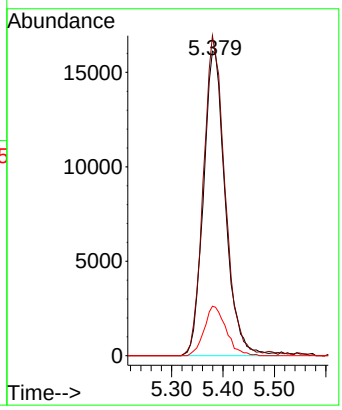


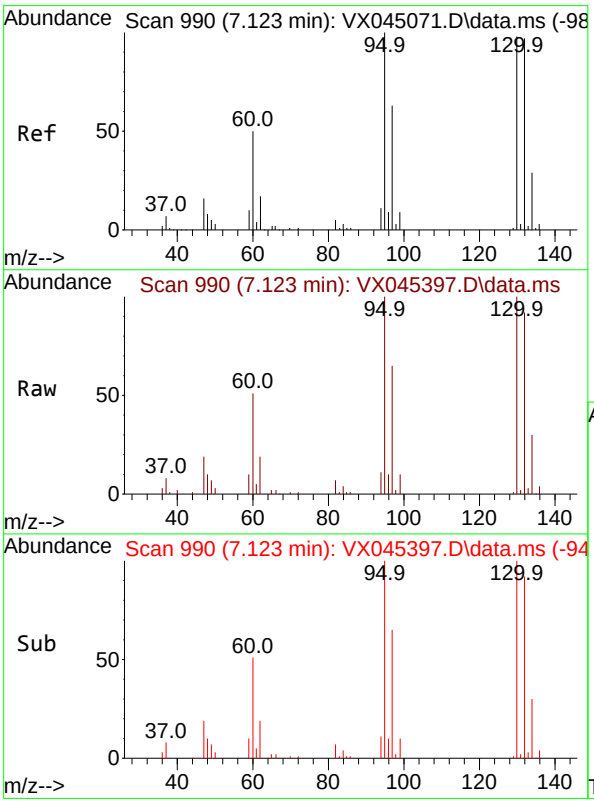
#35
Dibromofluoromethane
Concen: 52.871 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045397.D
Acq: 21 Mar 2025 18:44

Instrument :
MSVOA_X
ClientSampleId :
TT205S1-20250317

Tgt Ion:113 Resp: 47612

Ion	Ratio	Lower	Upper
113	100		
111	103.9	81.8	122.6
192	16.3	14.3	21.5

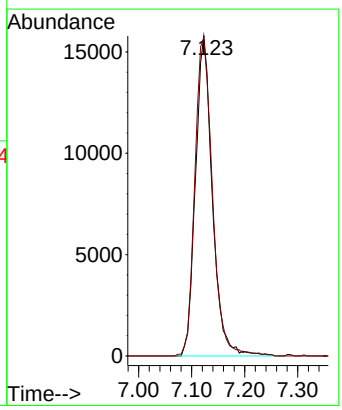


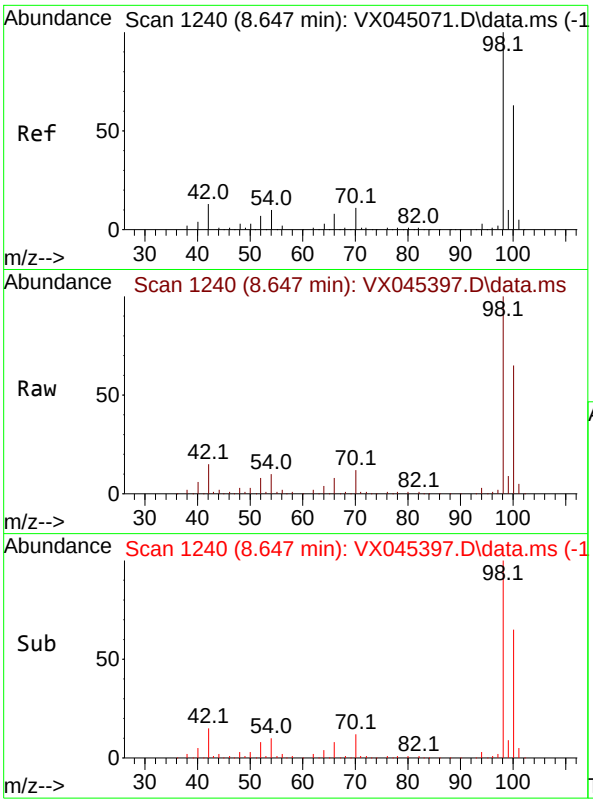


#44
Trichloroethene
Concen: 38.190 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX045397.D
Acq: 21 Mar 2025 18:44

Tgt Ion:130 Resp: 34971

Ion	Ratio	Lower	Upper
130	100		
95	99.6	0.0	205.0



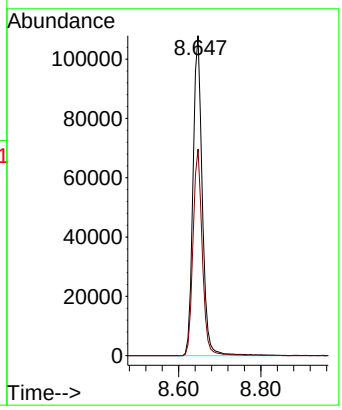


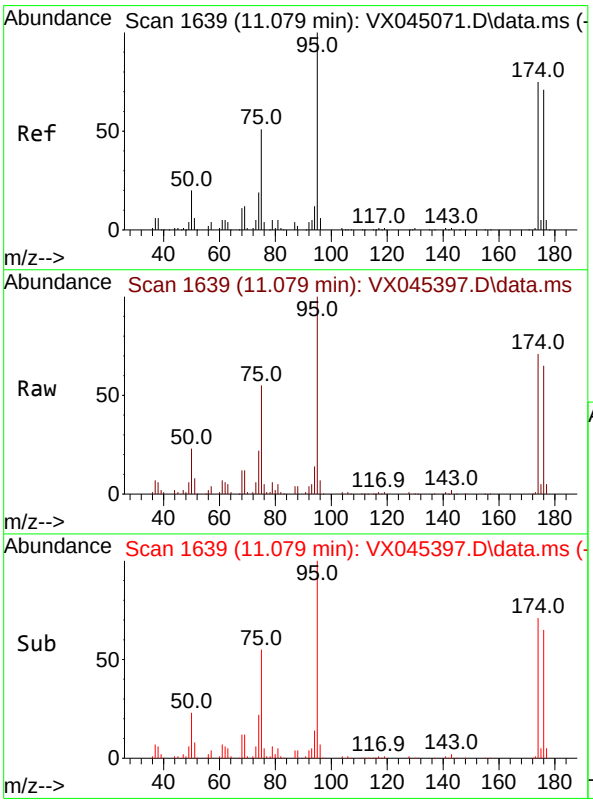
#50
Toluene-d8
Concen: 51.790 ug/l
RT: 8.647 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045397.D
Acq: 21 Mar 2025 18:44

Instrument :
MSVOA_X
ClientSampleId :
TT205S1-20250317

Tgt Ion: 98 Resp: 169083

Ion	Ratio	Lower	Upper
98	100		
100	64.3	52.0	78.0

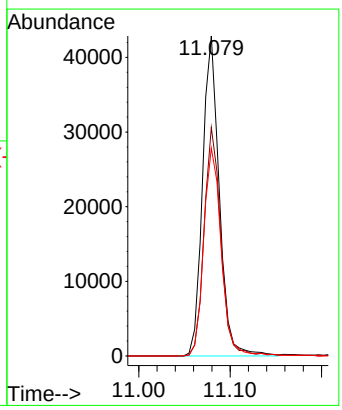


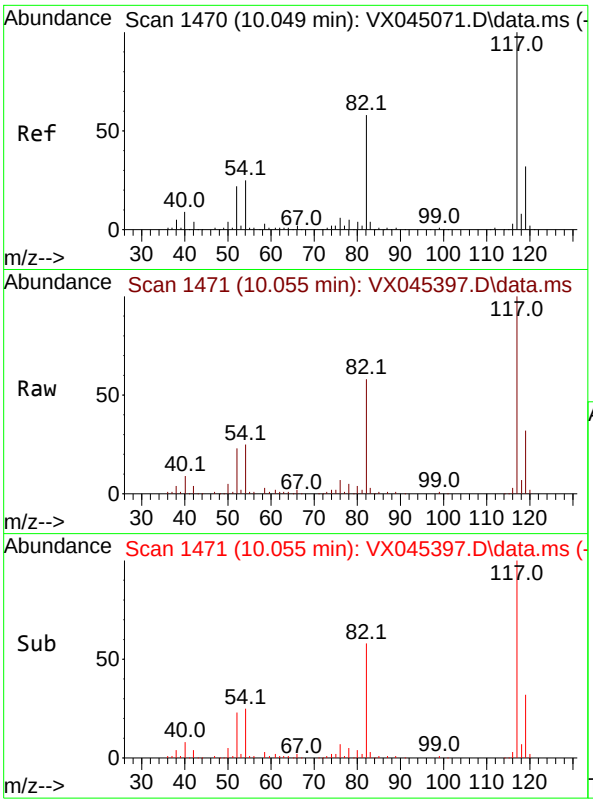


#62
4-Bromofluorobenzene
Concen: 50.347 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX045397.D
Acq: 21 Mar 2025 18:44

Tgt Ion: 95 Resp: 54468

Ion	Ratio	Lower	Upper
95	100		
174	71.4	0.0	148.2
176	68.1	0.0	141.4



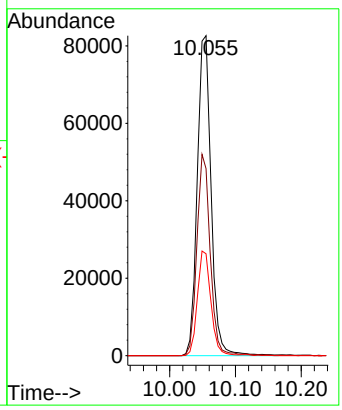


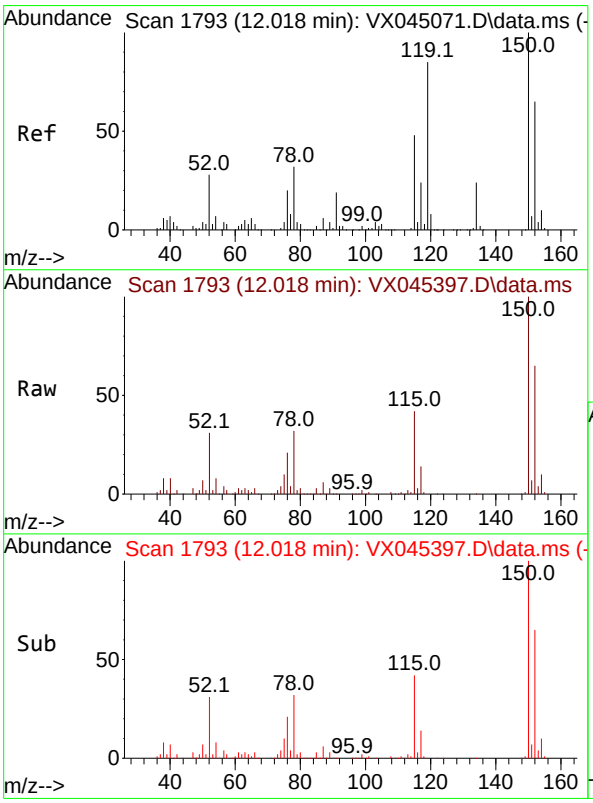
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX045397.D
Acq: 21 Mar 2025 18:44

Instrument :
MSVOA_X
ClientSampleId :
TT205S1-20250317

Tgt Ion:117 Resp: 120991

Ion	Ratio	Lower	Upper
117	100		
82	58.5	46.3	69.5
119	31.9	25.7	38.5

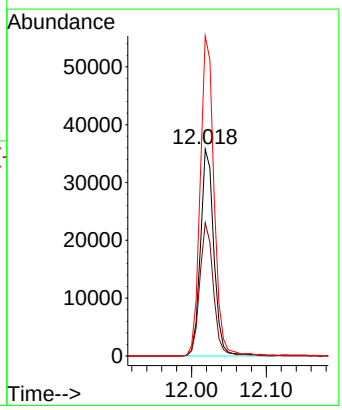




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX045397.D
Acq: 21 Mar 2025 18:44

Tgt Ion:152 Resp: 44710

Ion	Ratio	Lower	Upper
152	100		
115	65.4	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:	03/17/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/19/25
Client Sample ID:	DUP07-20250317	SDG No.:	Q1608
Lab Sample ID:	Q1608-05	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
VX045398.D	1		03/21/25 19:08	VX032125

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	1.00		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.96	J	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	0.50	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	31.8		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:	03/17/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/19/25
Client Sample ID:	DUP07-20250317	SDG No.:	Q1608
Lab Sample ID:	Q1608-05	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
VX045398.D	1		03/21/25 19:08	VX032125

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	57.4		81 - 118		115%	SPK: 50
1868-53-7	Dibromofluoromethane	52.6		80 - 119		105%	SPK: 50
2037-26-5	Toluene-d8	52.4		89 - 112		105%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.6		85 - 114		105%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	72200	5.544				
540-36-3	1,4-Difluorobenzene	142000	6.757				
3114-55-4	Chlorobenzene-d5	130000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	50900	12.018				

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Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	03/17/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/19/25
Client Sample ID:	DUP07-20250317	SDG No.:	Q1608
Lab Sample ID:	Q1608-05	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
VX045398.D	1		03/21/25 19:08	VX032125

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\VX032125\
Data File : VX045398.D
Acq On : 21 Mar 2025 19:08
Operator : JC/MD
Sample : Q1608-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
DUP07-20250317

Quant Time: Mar 21 23:20:26 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

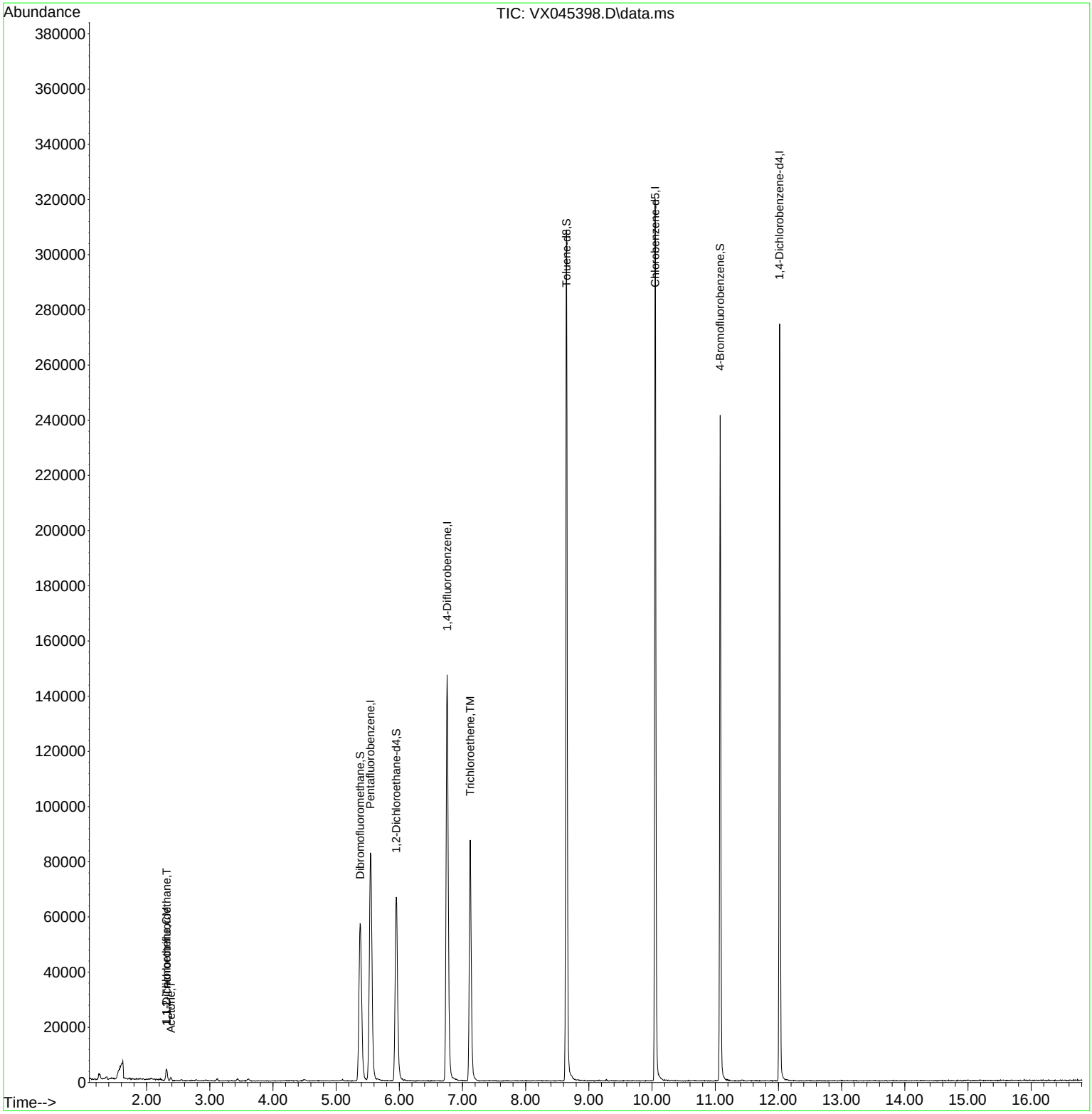
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	72170	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	142036	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	130424	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	50856	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	65922	57.425	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 114.840%			
35) Dibromofluoromethane	5.379	113	49933	52.574	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.140%			
50) Toluene-d8	8.647	98	180569	52.442	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.880%			
62) 4-Bromofluorobenzene	11.079	95	59987	52.575	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 105.160%			
Target Compounds						Qvalue
9) 1,1,2-Trichlorotrifluo...	2.319	101	866	1.032	ug/l	93
12) 1,1-Dichloroethene	2.313	96	848	0.956	ug/l	96
16) Acetone	2.386	43	1185	2.225	ug/l	99
44) Trichloroethene	7.123	130	30751	31.841	ug/l	91

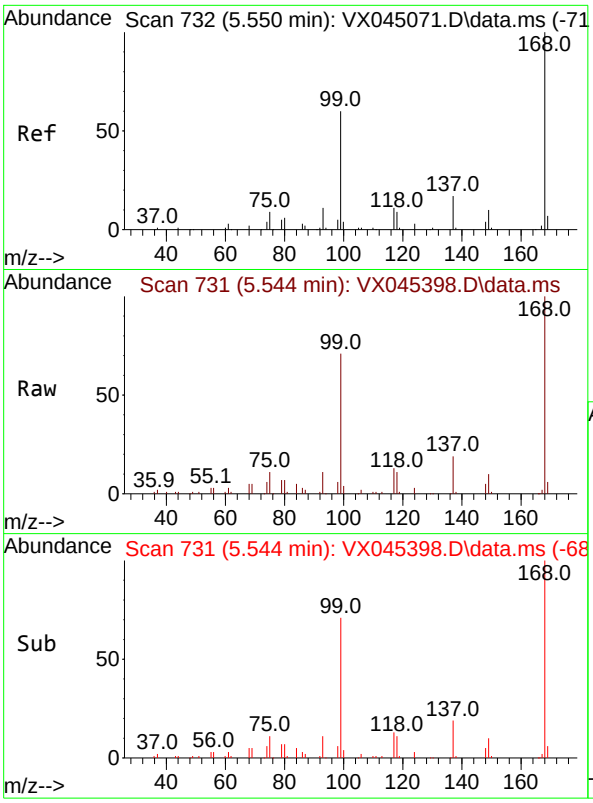
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032125\
Data File : VX045398.D
Acq On : 21 Mar 2025 19:08
Operator : JC/MD
Sample : Q1608-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
DUP07-20250317

Quant Time: Mar 21 23:20:26 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



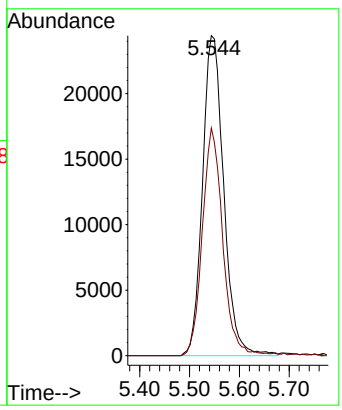


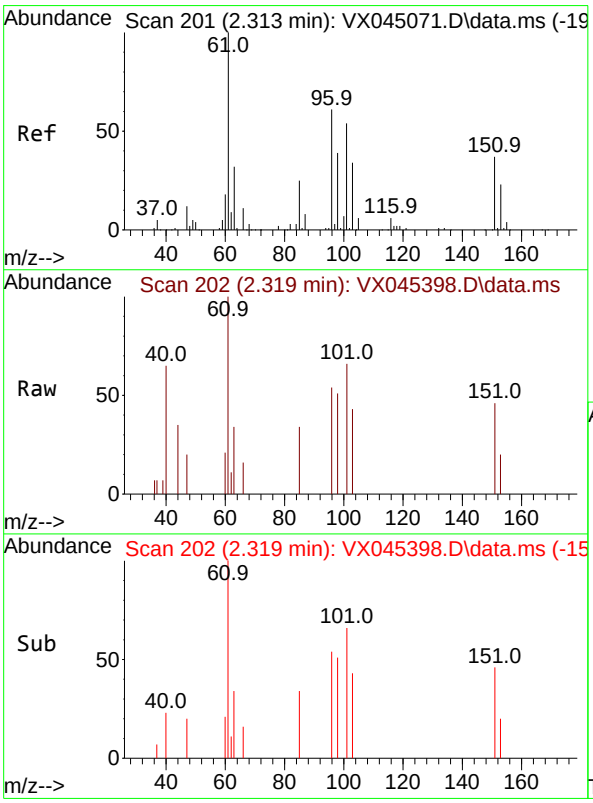
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045398.D
Acq: 21 Mar 2025 19:08

Instrument :
MSVOA_X
ClientSampleId :
DUP07-20250317

Tgt Ion:168 Resp: 72170

Ion	Ratio	Lower	Upper
168	100		
99	71.1	48.2	72.4

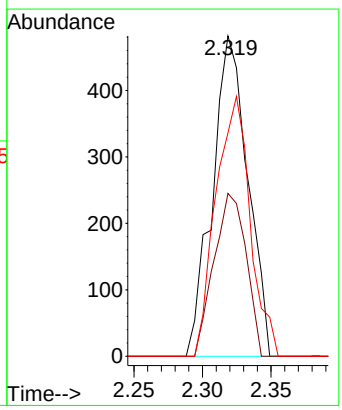


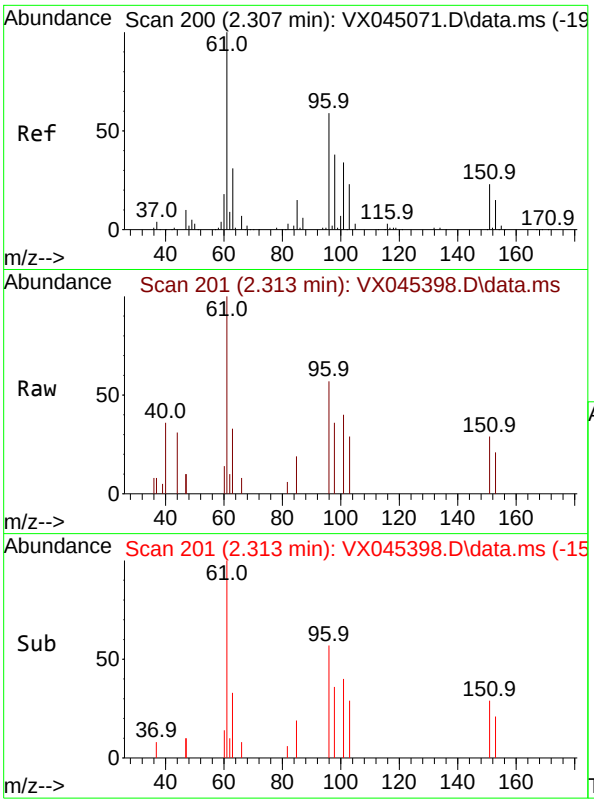


#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.032 ug/l
RT: 2.319 min Scan# 202
Delta R.T. 0.006 min
Lab File: VX045398.D
Acq: 21 Mar 2025 19:08

Tgt Ion:101 Resp: 866

Ion	Ratio	Lower	Upper
101	100		
85	46.2	36.2	54.4
151	78.6	56.4	84.6



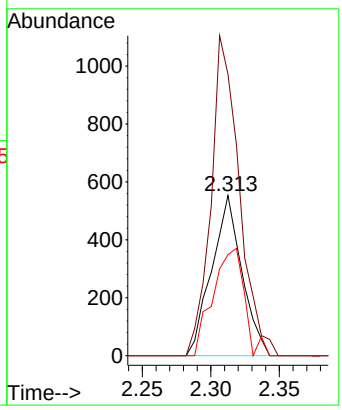


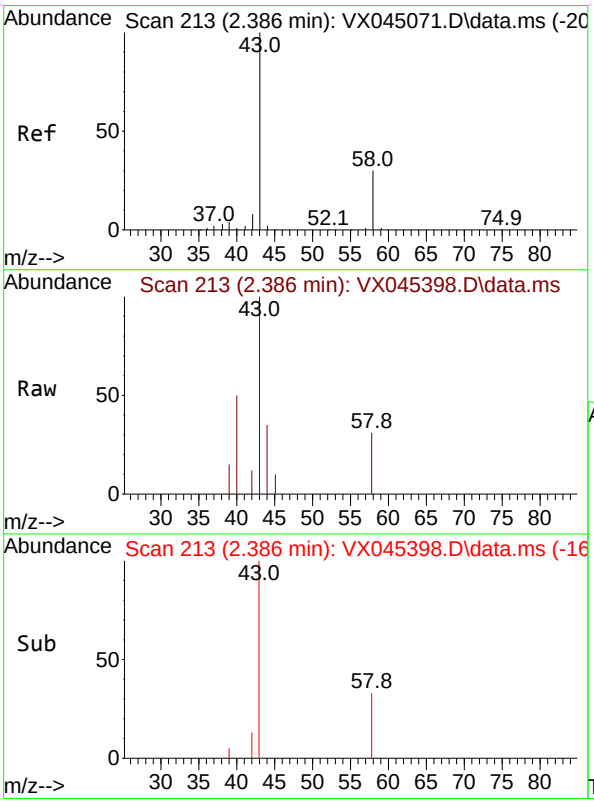
#12
1,1-Dichloroethene
Concen: 0.956 ug/l
RT: 2.313 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX045398.D
Acq: 21 Mar 2025 19:08

Instrument :
MSVOA_X
ClientSampleId :
DUP07-20250317

Tgt Ion: 96 Resp: 848

Ion	Ratio	Lower	Upper
96	100		
61	175.8	134.6	202.0
98	63.1	51.0	76.6

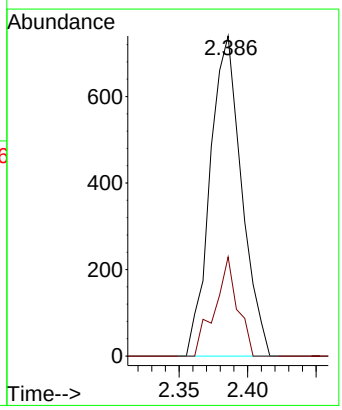


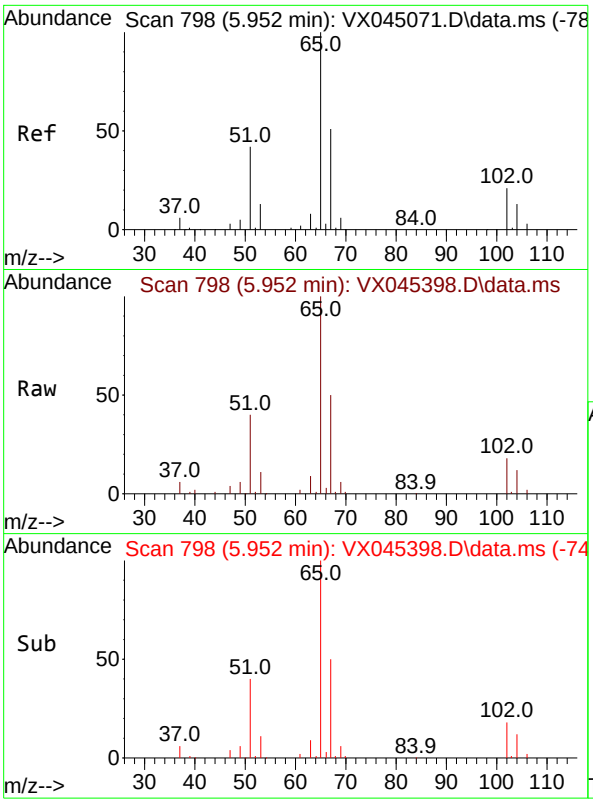


#16
Acetone
Concen: 2.225 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX045398.D
Acq: 21 Mar 2025 19:08

Tgt Ion: 43 Resp: 1185

Ion	Ratio	Lower	Upper
43	100		
58	30.9	24.2	36.4



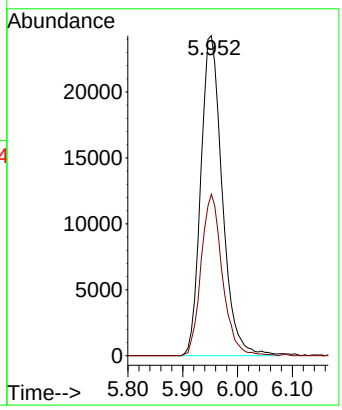


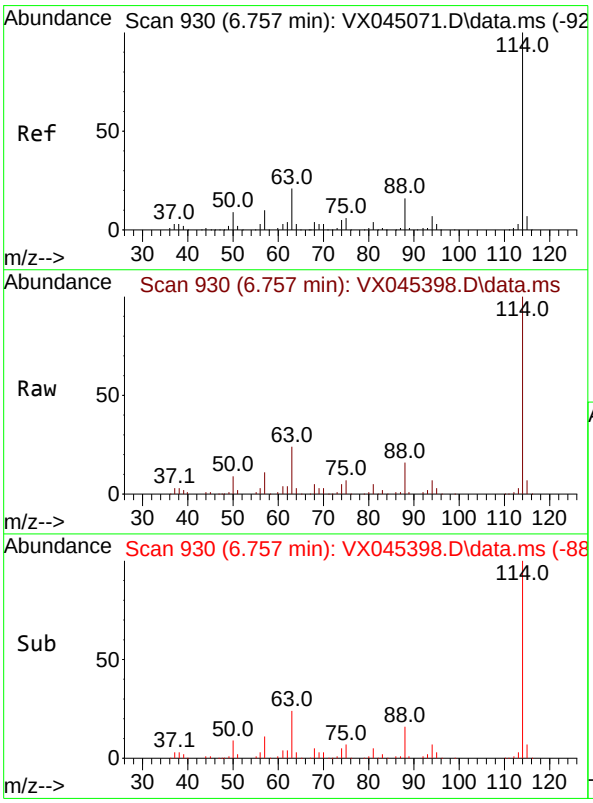
#33
1,2-Dichloroethane-d4
Concen: 57.425 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045398.D
Acq: 21 Mar 2025 19:08

Instrument :
MSVOA_X
ClientSampleId :
DUP07-20250317

Tgt Ion: 65 Resp: 65922

Ion	Ratio	Lower	Upper
65	100		
67	50.1	0.0	106.2

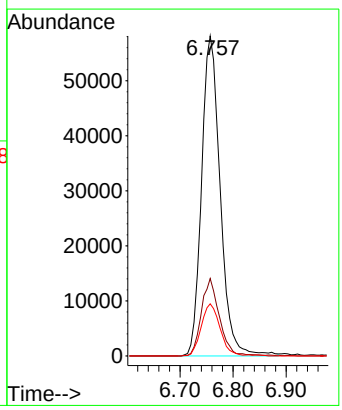


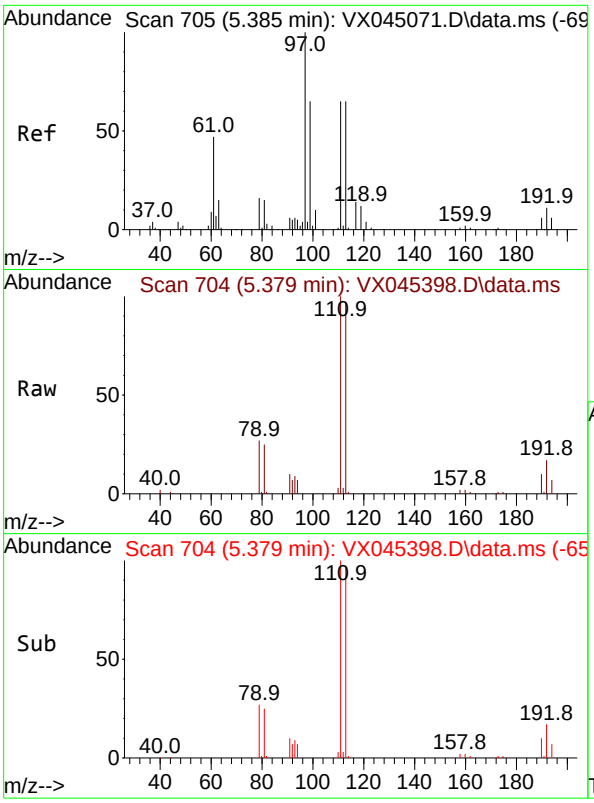


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX045398.D
Acq: 21 Mar 2025 19:08

Tgt Ion:114 Resp: 142036

Ion	Ratio	Lower	Upper
114	100		
63	24.2	0.0	41.8
88	16.3	0.0	32.8



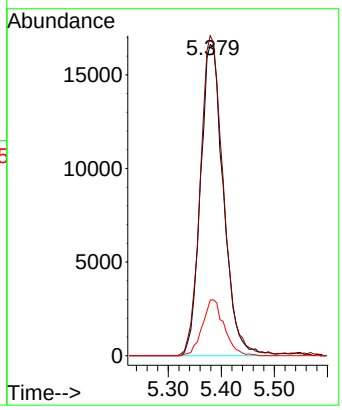


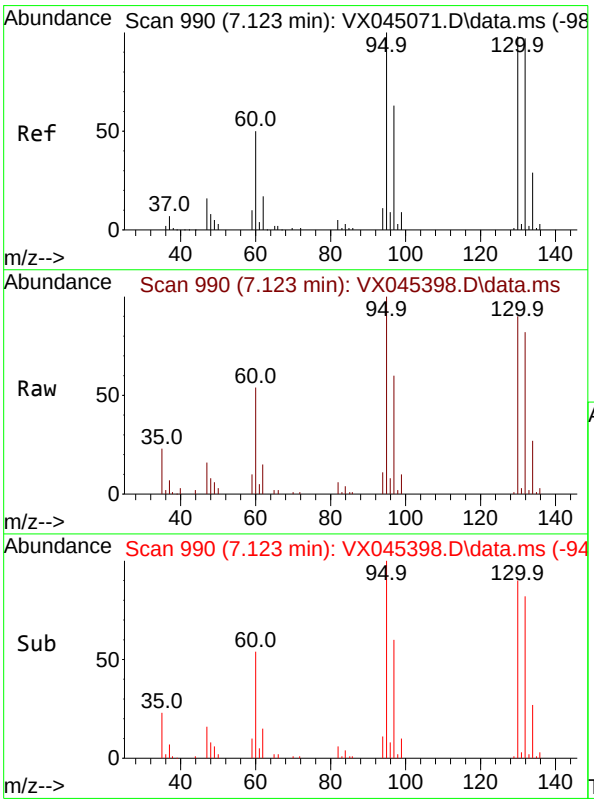
#35
Dibromofluoromethane
Concen: 52.574 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045398.D
Acq: 21 Mar 2025 19:08

Instrument :
MSVOA_X
ClientSampleId :
DUP07-20250317

Tgt Ion:113 Resp: 49933

Ion	Ratio	Lower	Upper
113	100		
111	103.2	81.8	122.6
192	17.1	14.3	21.5

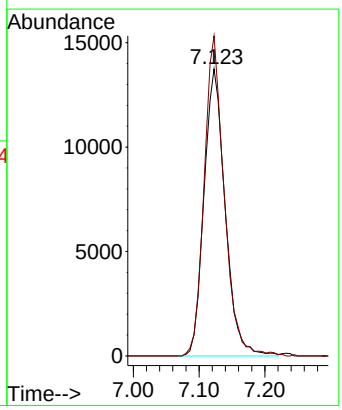


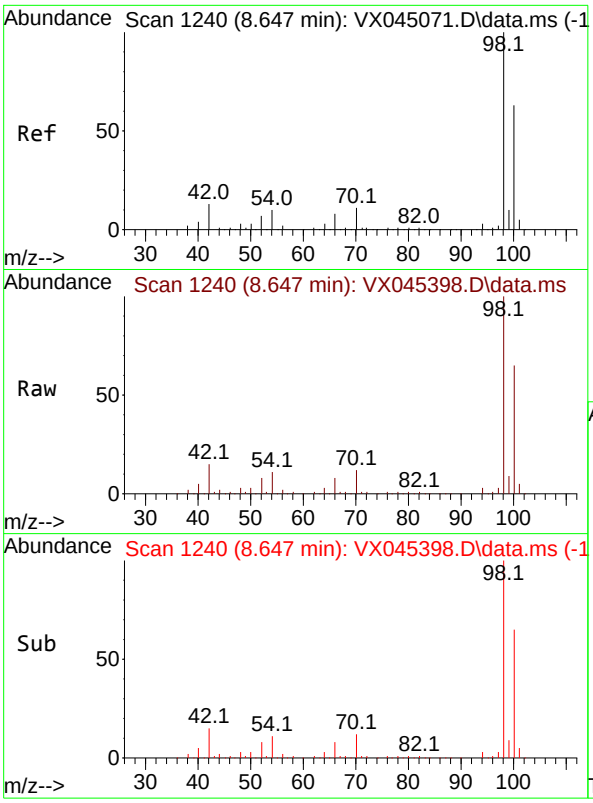


#44
Trichloroethene
Concen: 31.841 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX045398.D
Acq: 21 Mar 2025 19:08

Tgt Ion:130 Resp: 30751

Ion	Ratio	Lower	Upper
130	100		
95	111.5	0.0	205.0



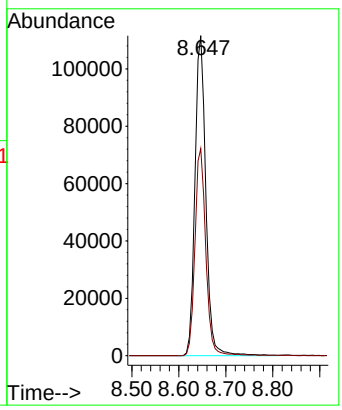


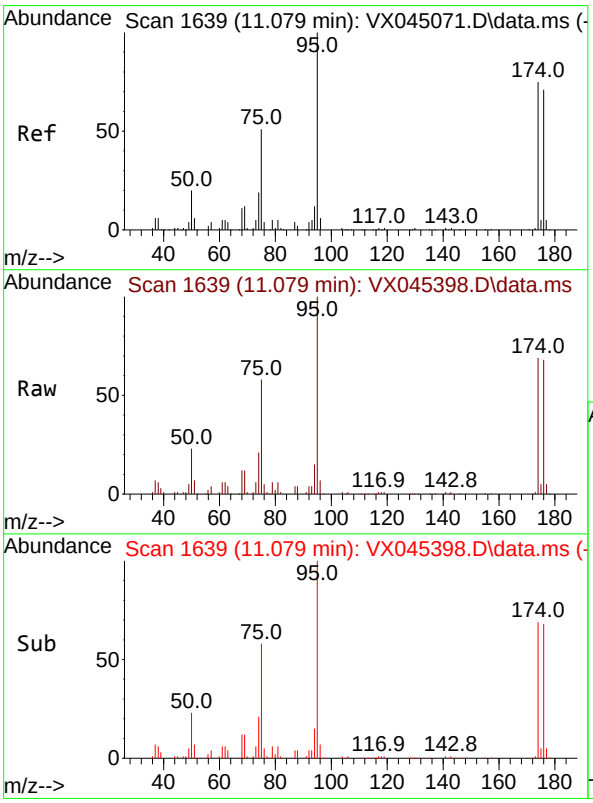
#50
Toluene-d8
Concen: 52.442 ug/l
RT: 8.647 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045398.D
Acq: 21 Mar 2025 19:08

Instrument :
MSVOA_X
ClientSampleId :
DUP07-20250317

Tgt Ion: 98 Resp: 180569

Ion	Ratio	Lower	Upper
98	100		
100	64.5	52.0	78.0

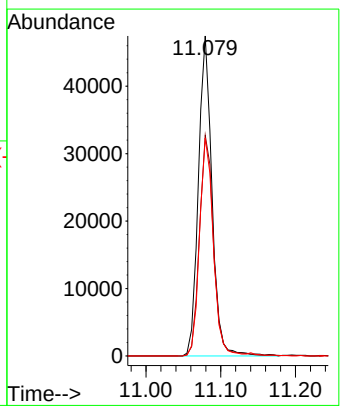


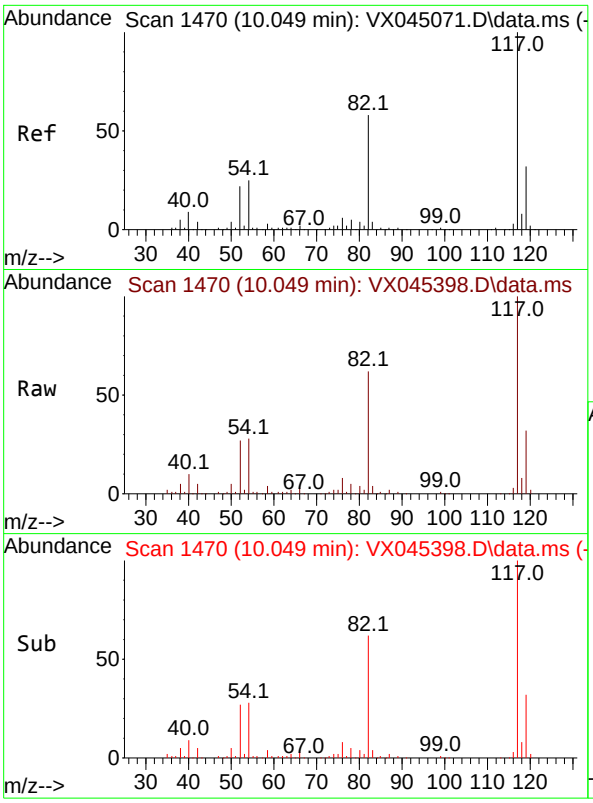


#62
4-Bromofluorobenzene
Concen: 52.575 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045398.D
Acq: 21 Mar 2025 19:08

Tgt Ion: 95 Resp: 59987

Ion	Ratio	Lower	Upper
95	100		
174	71.4	0.0	148.2
176	68.8	0.0	141.4



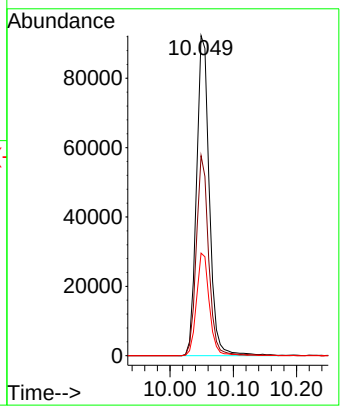


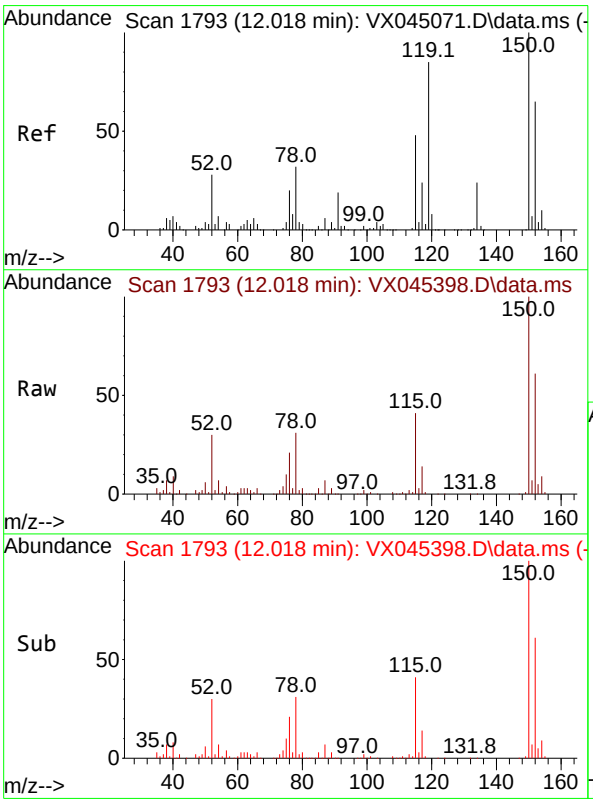
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045398.D
Acq: 21 Mar 2025 19:08

Instrument :
MSVOA_X
ClientSampleId :
DUP07-20250317

Tgt Ion:117 Resp: 130424

Ion	Ratio	Lower	Upper
117	100		
82	62.5	46.3	69.5
119	32.1	25.7	38.5

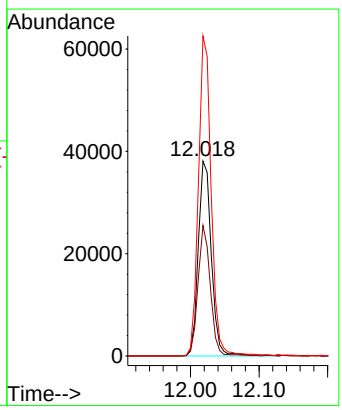




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045398.D
Acq: 21 Mar 2025 19:08

Tgt Ion:152 Resp: 50856

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:	03/17/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/19/25
Client Sample ID:	TT163S1-20250317	SDG No.:	Q1608
Lab Sample ID:	Q1608-06	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
VX045399.D	1		03/21/25 19:31	VX032125

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	2.00	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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Fax : 908 789 8922

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	03/17/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/19/25
Client Sample ID:	TT163S1-20250317	SDG No.:	Q1608
Lab Sample ID:	Q1608-06	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
VX045399.D	1		03/21/25 19:31	VX032125

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	52.8		80 - 119		106%	SPK: 50
2037-26-5	Toluene-d8	52.1		89 - 112		104%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.3		85 - 114		105%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	64600	5.55				
540-36-3	1,4-Difluorobenzene	127000	6.757				
3114-55-4	Chlorobenzene-d5	117000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	44700	12.018				

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Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	03/17/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/19/25
Client Sample ID:	TT163S1-20250317	SDG No.:	Q1608
Lab Sample ID:	Q1608-06	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
VX045399.D	1		03/21/25 19:31	VX032125

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\VX032125\
Data File : VX045399.D
Acq On : 21 Mar 2025 19:31
Operator : JC/MD
Sample : Q1608-06
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TT163S1-20250317

Quant Time: Mar 21 23:20:49 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

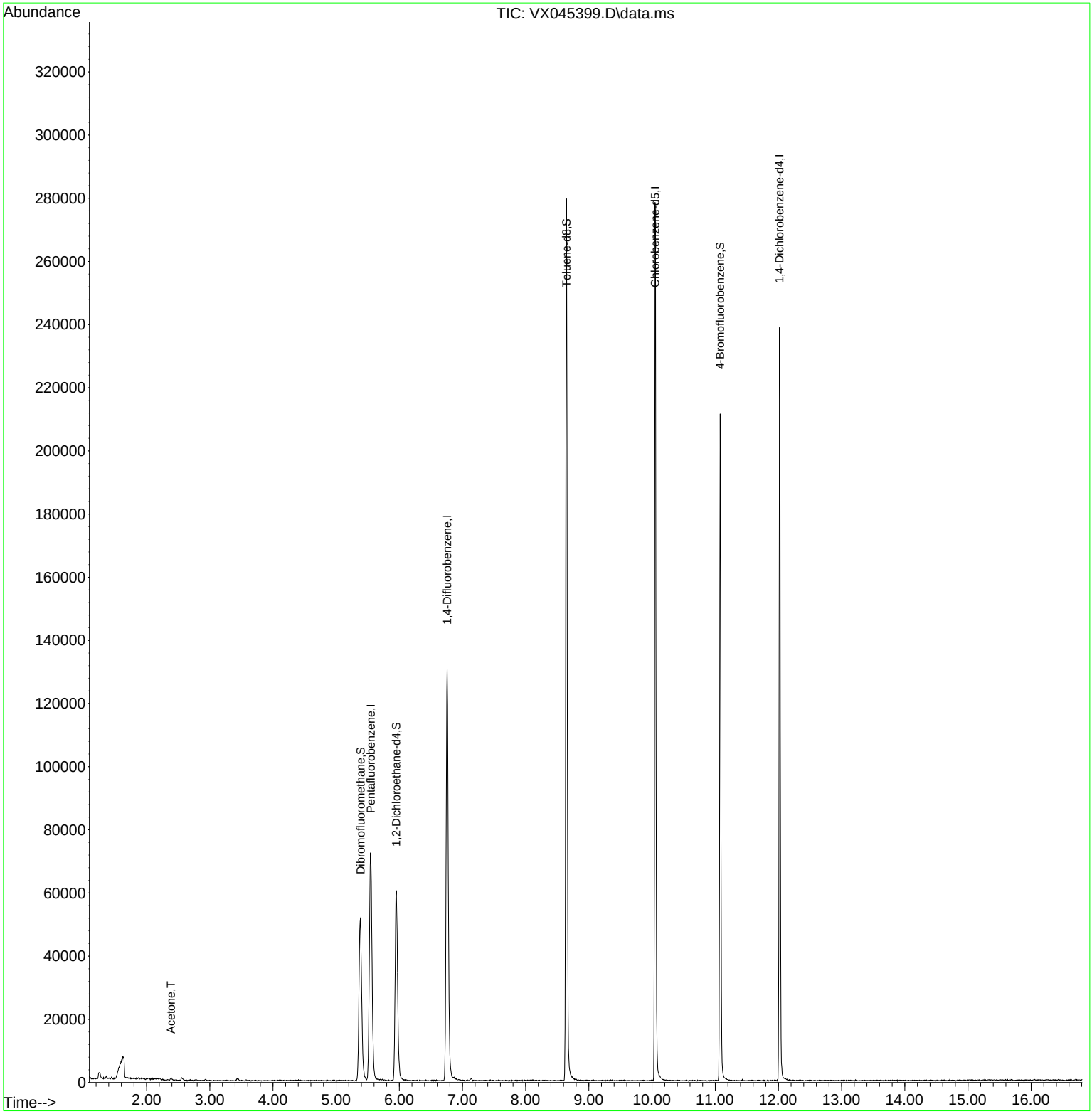
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	64623	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	126814	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	116621	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	44709	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	58882	57.282	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 114.560%			
35) Dibromofluoromethane	5.385	113	44762	52.787	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.580%			
50) Toluene-d8	8.647	98	160134	52.090	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.180%			
62) 4-Bromofluorobenzene	11.079	95	53297	52.319	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 104.640%			
Target Compounds						Qvalue
16) Acetone	2.386	43	937	1.965	ug/l #	89

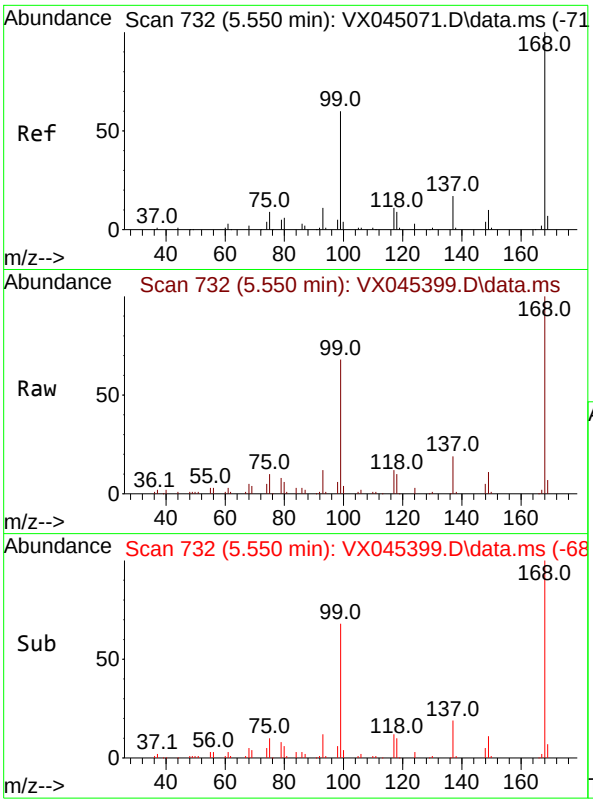
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032125\
Data File : VX045399.D
Acq On : 21 Mar 2025 19:31
Operator : JC/MD
Sample : Q1608-06
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TT163S1-20250317

Quant Time: Mar 21 23:20:49 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



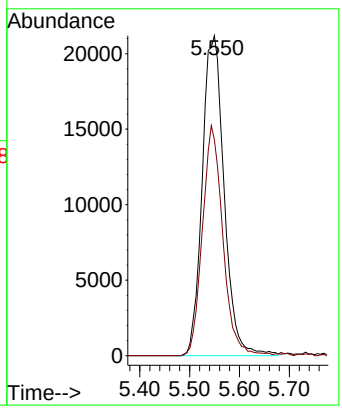


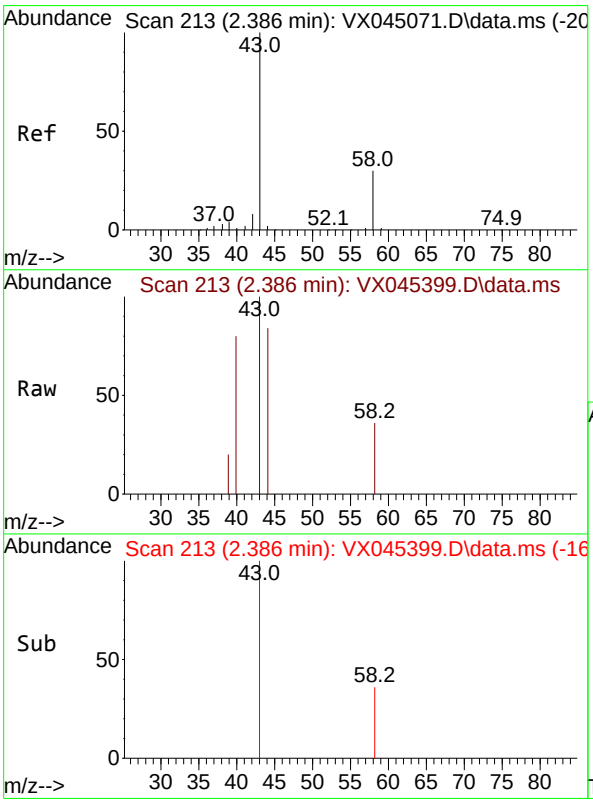
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045399.D
Acq: 21 Mar 2025 19:31

Instrument :
MSVOA_X
ClientSampleId :
TT163S1-20250317

Tgt Ion:168 Resp: 64623

Ion	Ratio	Lower	Upper
168	100		
99	67.5	48.2	72.4

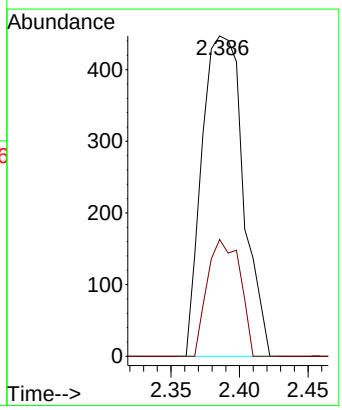


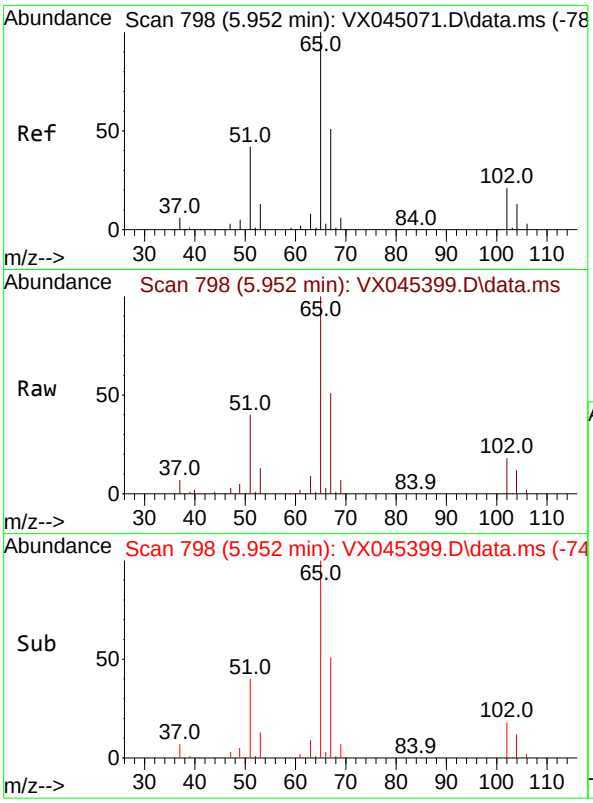


#16
Acetone
Concen: 1.965 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX045399.D
Acq: 21 Mar 2025 19:31

Tgt Ion: 43 Resp: 937

Ion	Ratio	Lower	Upper
43	100		
58	36.5	24.2	36.4#



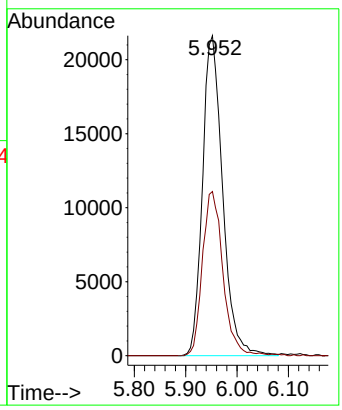


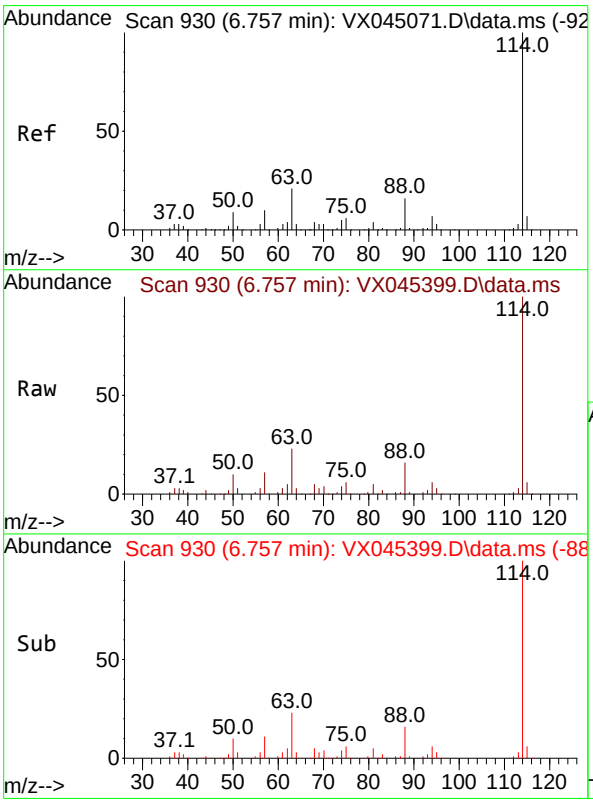
#33
1,2-Dichloroethane-d4
Concen: 57.282 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045399.D
Acq: 21 Mar 2025 19:31

Instrument :
MSVOA_X
ClientSampleId :
TT163S1-20250317

Tgt Ion: 65 Resp: 58882

Ion	Ratio	Lower	Upper
65	100		
67	52.1	0.0	106.2

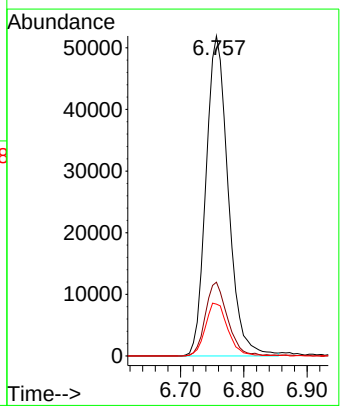


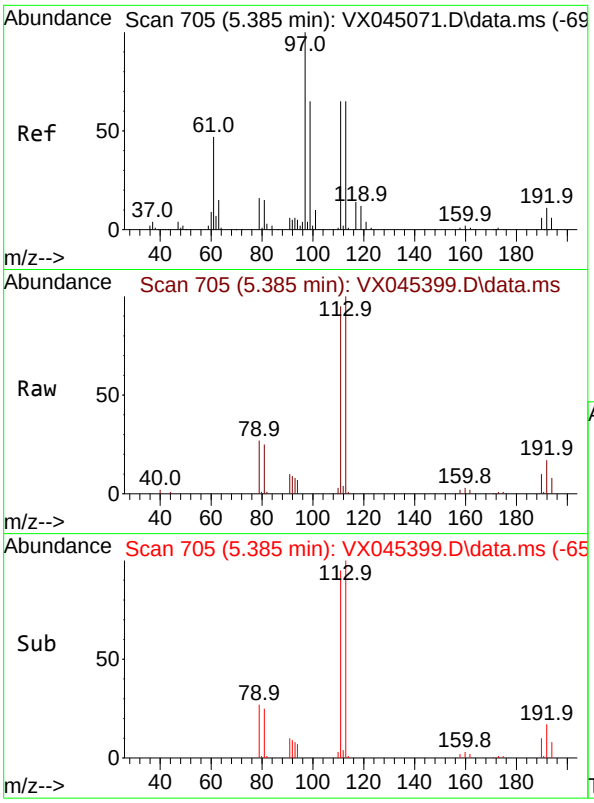


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX045399.D
Acq: 21 Mar 2025 19:31

Tgt Ion:114 Resp: 126814

Ion	Ratio	Lower	Upper
114	100		
63	23.0	0.0	41.8
88	16.2	0.0	32.8



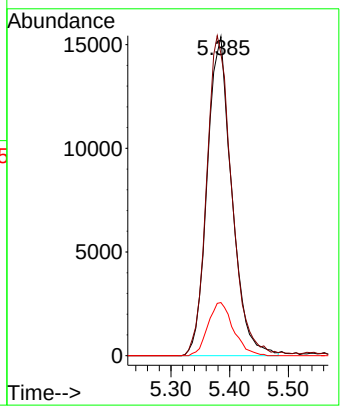


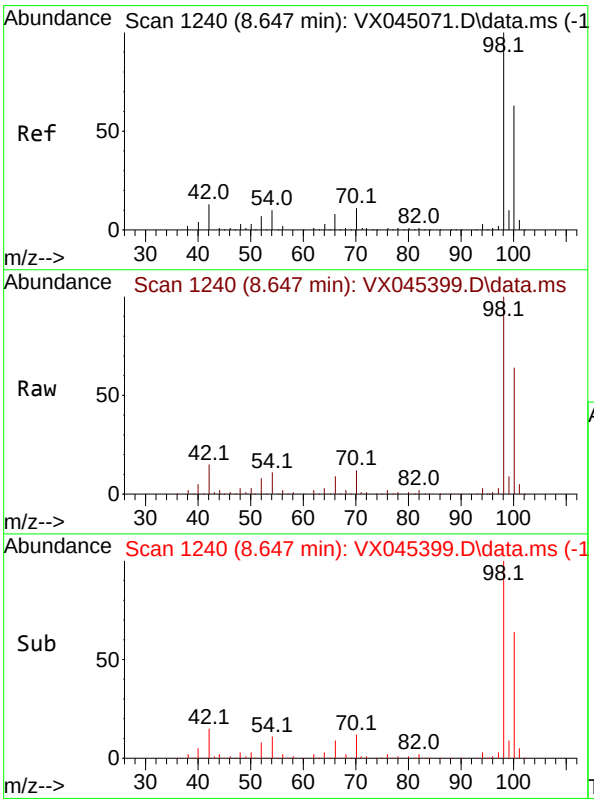
#35
Dibromofluoromethane
Concen: 52.787 ug/l
RT: 5.385 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045399.D
Acq: 21 Mar 2025 19:31

Instrument :
MSVOA_X
ClientSampleId :
TT163S1-20250317

Tgt Ion:113 Resp: 44762

Ion	Ratio	Lower	Upper
113	100		
111	102.7	81.8	122.6
192	17.2	14.3	21.5

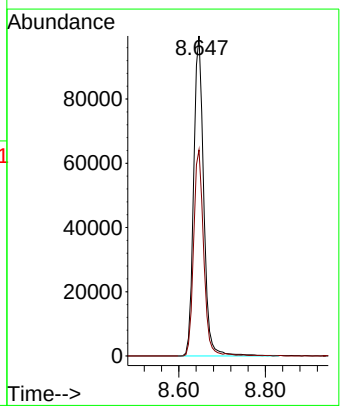


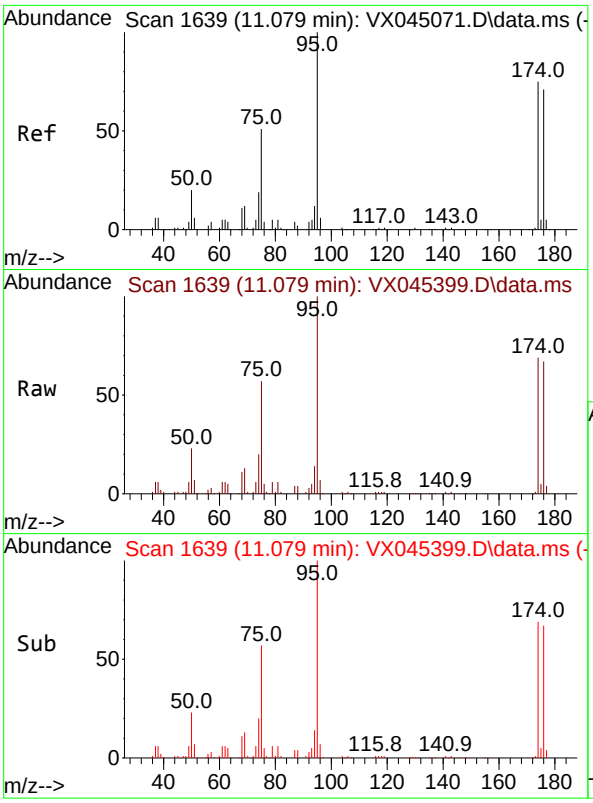


#50
Toluene-d8
Concen: 52.090 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045399.D
Acq: 21 Mar 2025 19:31

Tgt Ion: 98 Resp: 160134

Ion	Ratio	Lower	Upper
98	100		
100	64.6	52.0	78.0



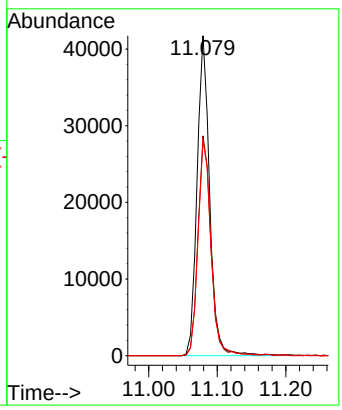


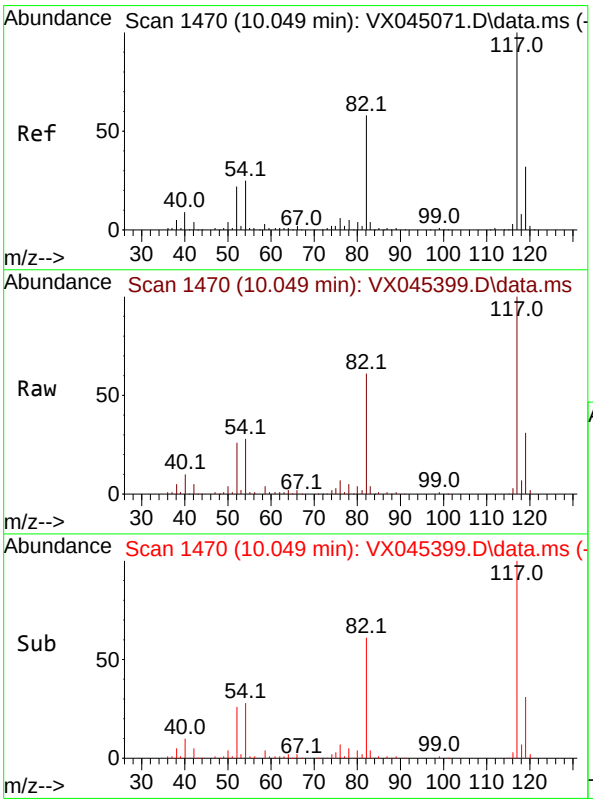
#62
4-Bromofluorobenzene
Concen: 52.319 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045399.D
Acq: 21 Mar 2025 19:31

Instrument :
MSVOA_X
ClientSampleId :
TT163S1-20250317

Tgt Ion: 95 Resp: 53297

Ion	Ratio	Lower	Upper
95	100		
174	70.6	0.0	148.2
176	69.7	0.0	141.4

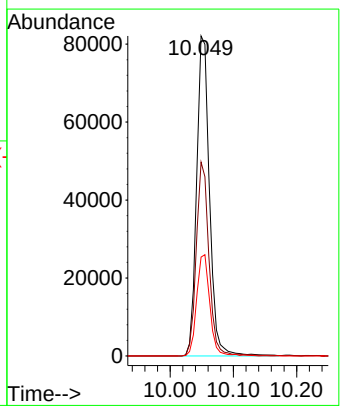


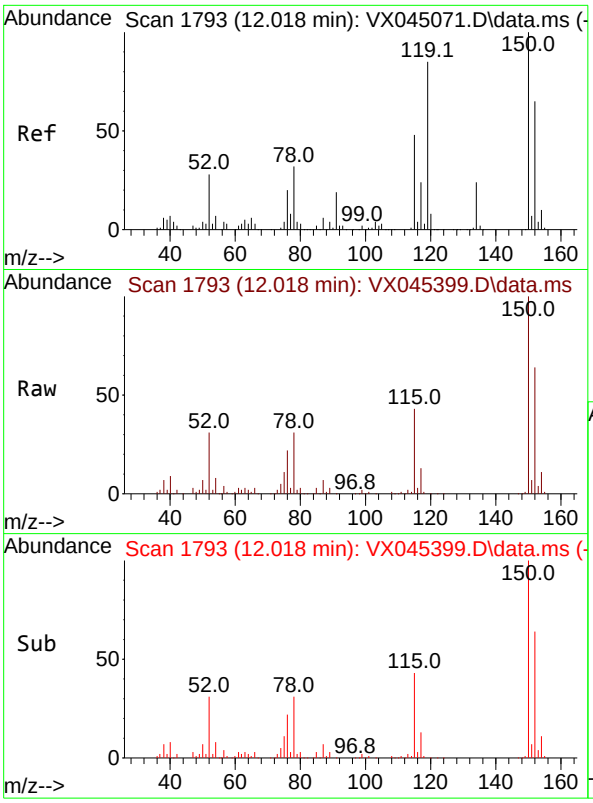


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX045399.D
Acq: 21 Mar 2025 19:31

Tgt Ion:117 Resp: 116621

Ion	Ratio	Lower	Upper
117	100		
82	60.5	46.3	69.5
119	30.9	25.7	38.5



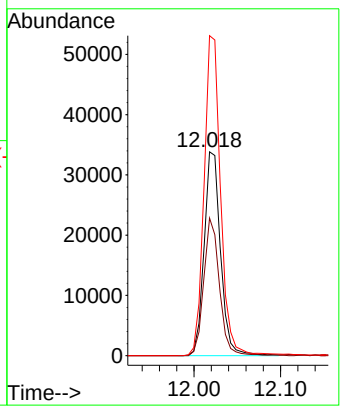


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045399.D
Acq: 21 Mar 2025 19:31

Instrument :
MSVOA_X
ClientSampleId :
TT163S1-20250317

Tgt Ion:152 Resp: 44709

Ion	Ratio	Lower	Upper
152	100		
115	64.2	44.2	132.6
150	158.5	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:	03/17/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/19/25
Client Sample ID:	RW11-MW01S-20250317	SDG No.:	Q1608
Lab Sample ID:	Q1608-07	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
VX045400.D	1		03/21/25 19:54	VX032125

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:	03/17/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/19/25
Client Sample ID:	RW11-MW01S-20250317	SDG No.:	Q1608
Lab Sample ID:	Q1608-07	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
VX045400.D	1		03/21/25 19:54	VX032125

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	57.8		81 - 118		116%	SPK: 50
1868-53-7	Dibromofluoromethane	54.2		80 - 119		108%	SPK: 50
2037-26-5	Toluene-d8	52.2		89 - 112		104%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.2		85 - 114		108%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	64900	5.544				
540-36-3	1,4-Difluorobenzene	125000	6.757				
3114-55-4	Chlorobenzene-d5	116000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	47300	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:	03/17/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/19/25
Client Sample ID:	RW11-MW01S-20250317	SDG No.:	Q1608
Lab Sample ID:	Q1608-07	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
VX045400.D	1		03/21/25 19:54	VX032125

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\VX032125\
Data File : VX045400.D
Acq On : 21 Mar 2025 19:54
Operator : JC/MD
Sample : Q1608-07
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RW11-MW01S-20250317

Quant Time: Mar 21 23:21:11 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

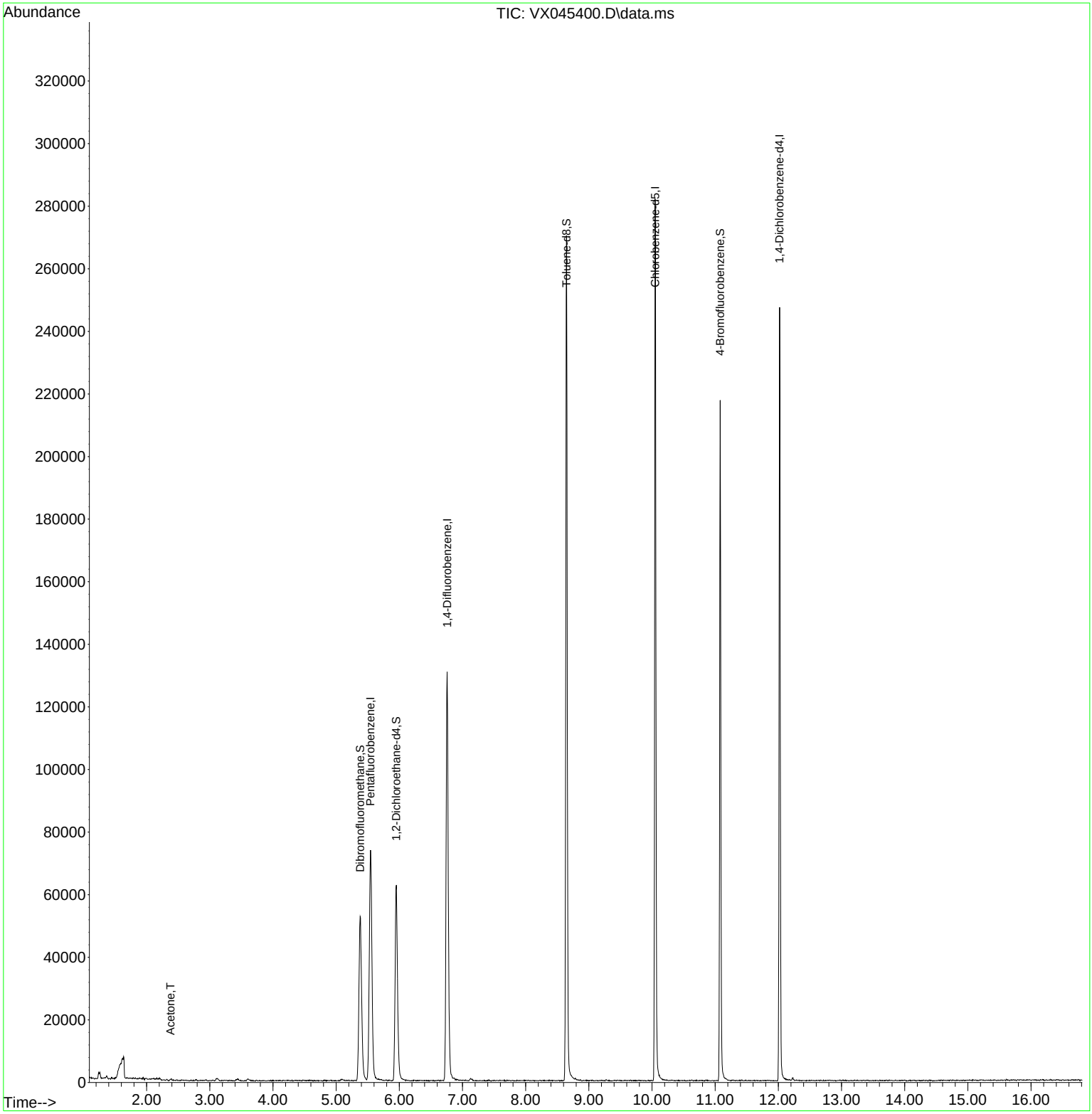
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	64919	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	124910	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	116362	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	47301	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	59672	57.786	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 115.580%			
35) Dibromofluoromethane	5.379	113	45303	54.239	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 108.480%			
50) Toluene-d8	8.647	98	157928	52.155	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.320%			
62) 4-Bromofluorobenzene	11.079	95	54354	54.170	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 108.340%			
Target Compounds						Qvalue
16) Acetone	2.380	43	528	1.102	ug/l	94

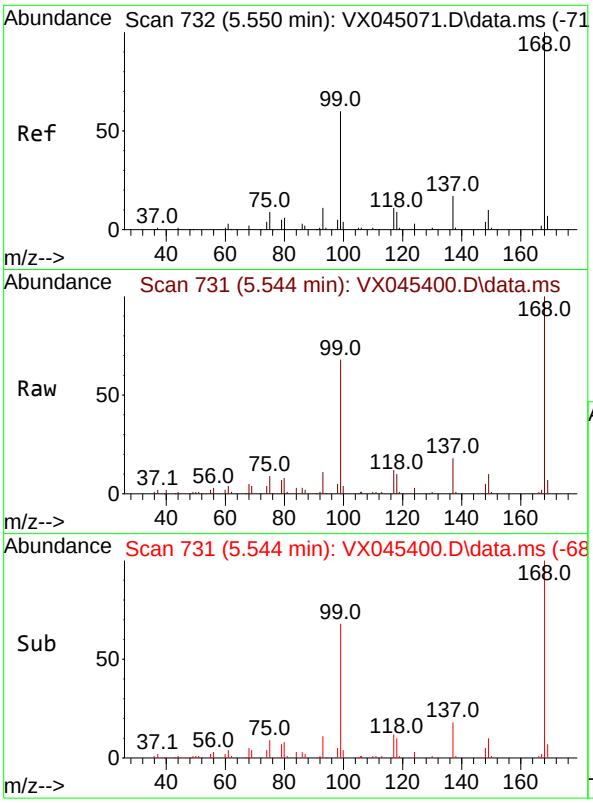
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032125\
Data File : VX045400.D
Acq On : 21 Mar 2025 19:54
Operator : JC/MD
Sample : Q1608-07
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RW11-MW01S-20250317

Quant Time: Mar 21 23:21:11 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



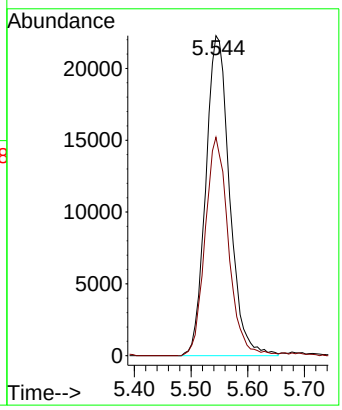


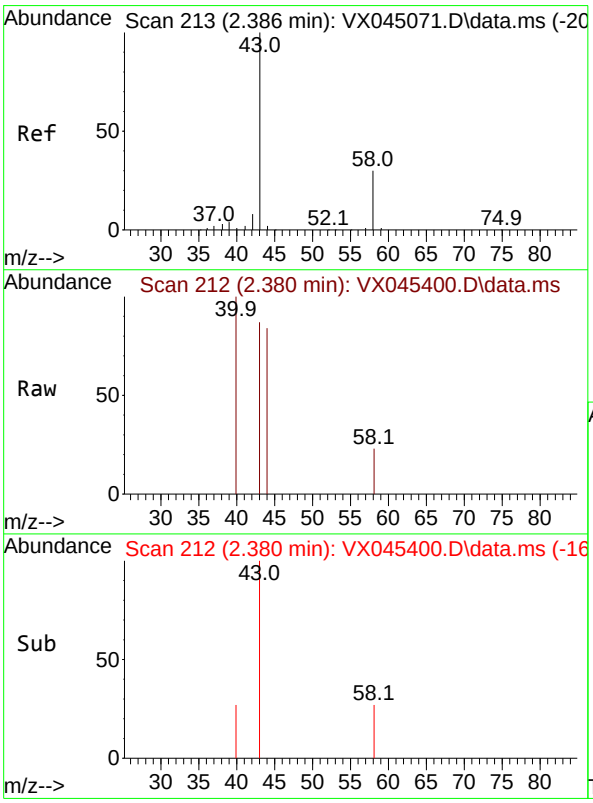
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045400.D
Acq: 21 Mar 2025 19:54

Instrument :
MSVOA_X
ClientSampleId :
RW11-MW01S-20250317

Tgt Ion:168 Resp: 64919

Ion	Ratio	Lower	Upper
168	100		
99	68.3	48.2	72.4

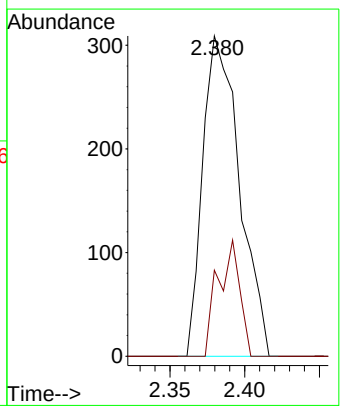


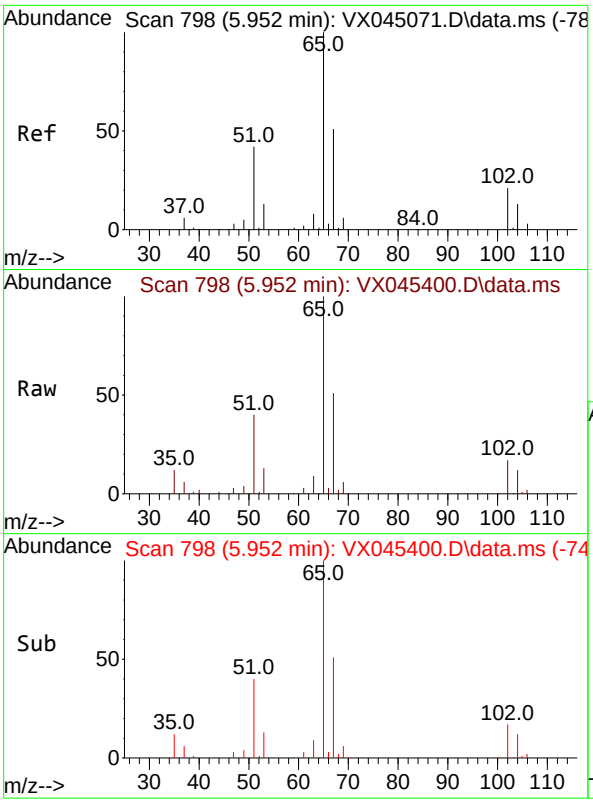


#16
Acetone
Concen: 1.102 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX045400.D
Acq: 21 Mar 2025 19:54

Tgt Ion: 43 Resp: 528

Ion	Ratio	Lower	Upper
43	100		
58	26.9	24.2	36.4



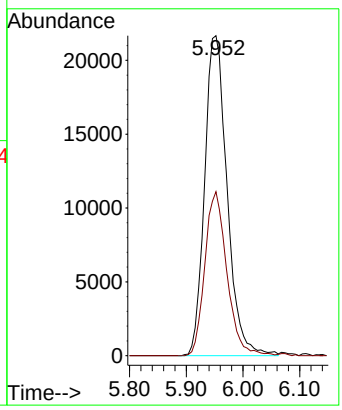


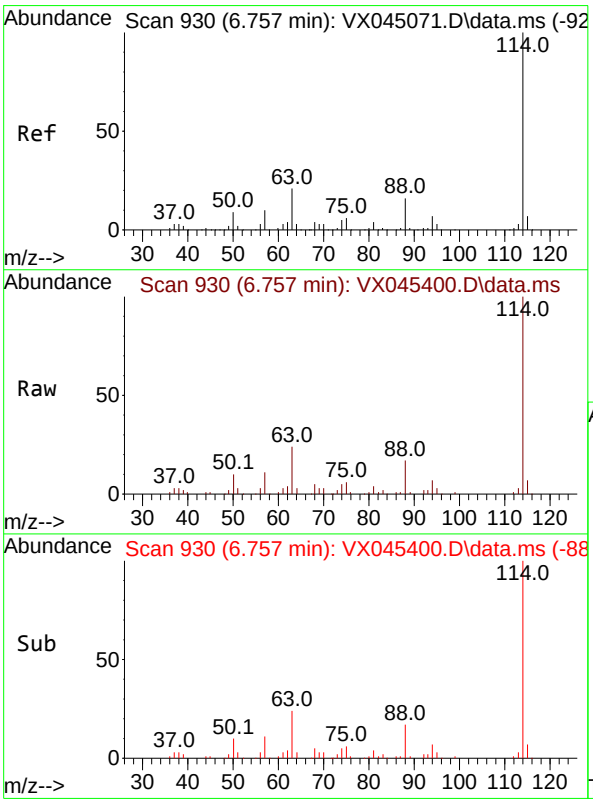
#33
1,2-Dichloroethane-d4
Concen: 57.786 ug/l
RT: 5.952 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX045400.D
Acq: 21 Mar 2025 19:54

Instrument :
MSVOA_X
ClientSampleId :
RW11-MW01S-20250317

Tgt Ion: 65 Resp: 59672

Ion	Ratio	Lower	Upper
65	100		
67	50.3	0.0	106.2

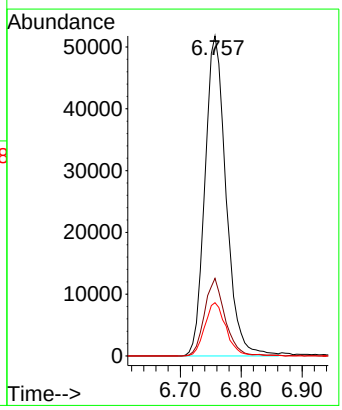


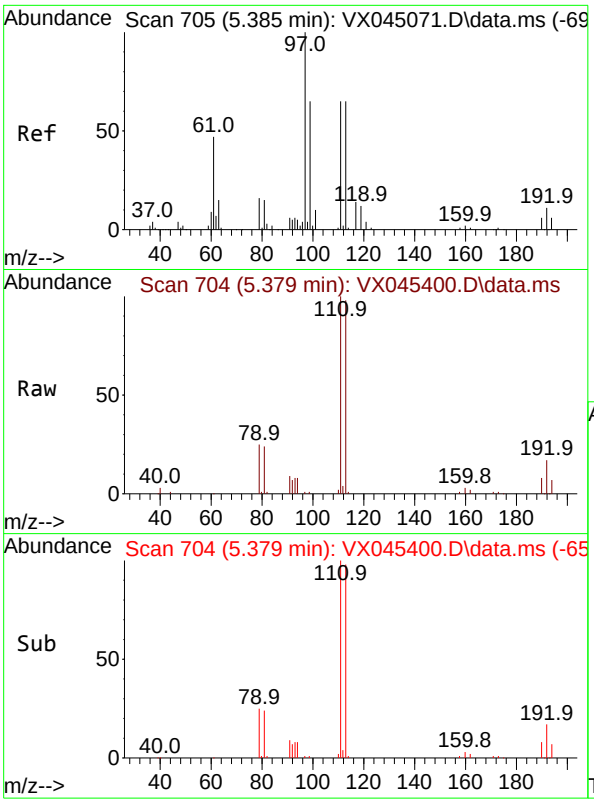


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX045400.D
Acq: 21 Mar 2025 19:54

Tgt Ion:114 Resp: 124910

Ion	Ratio	Lower	Upper
114	100		
63	24.2	0.0	41.8
88	16.6	0.0	32.8



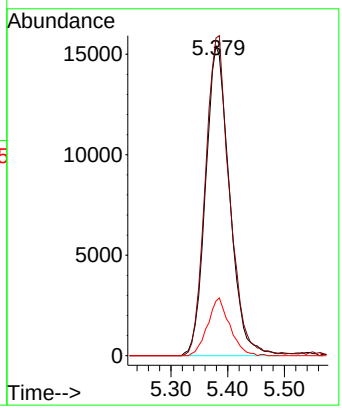


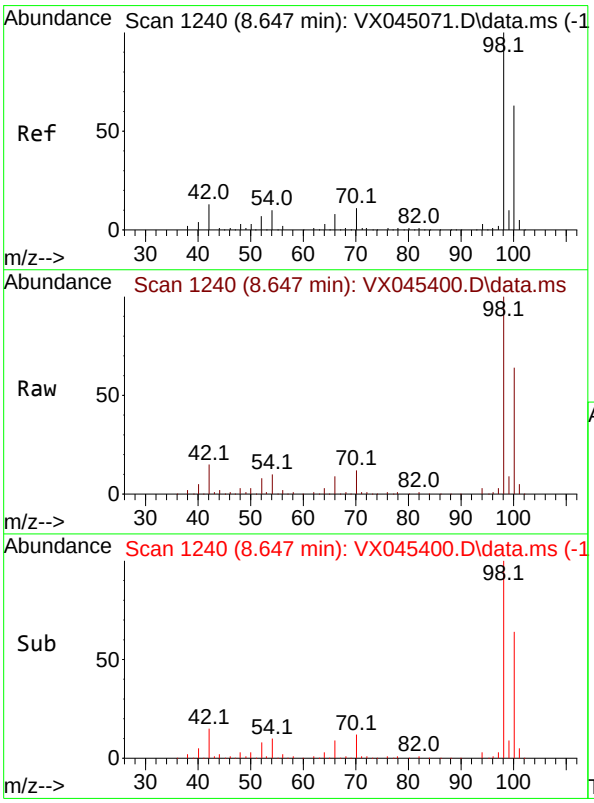
#35
Dibromofluoromethane
Concen: 54.239 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045400.D
Acq: 21 Mar 2025 19:54

Instrument :
MSVOA_X
ClientSampleId :
RW11-MW01S-20250317

Tgt Ion:113 Resp: 45303

Ion	Ratio	Lower	Upper
113	100		
111	103.7	81.8	122.6
192	17.2	14.3	21.5

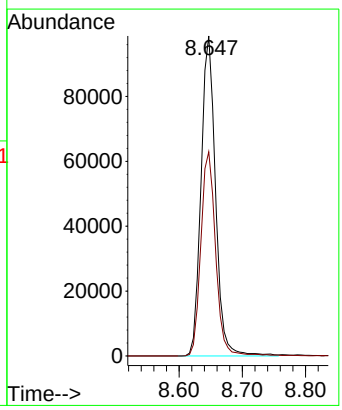


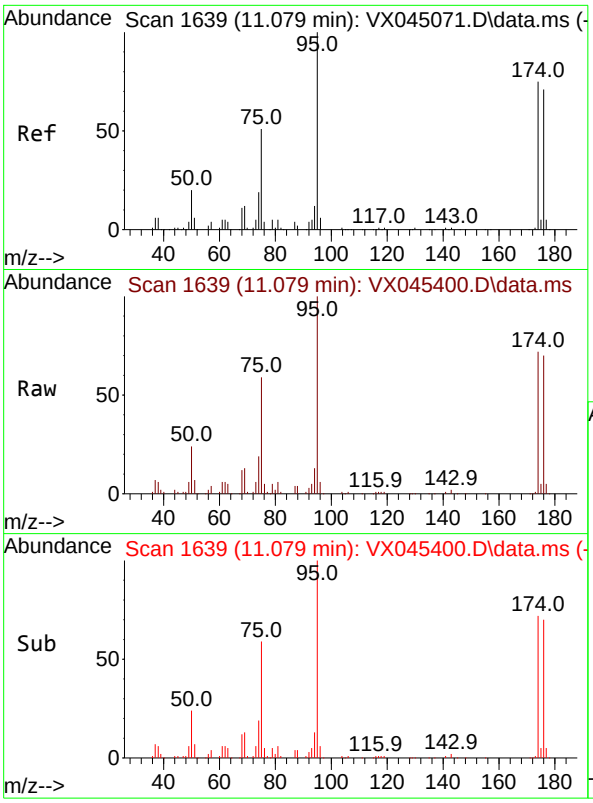


#50
Toluene-d8
Concen: 52.155 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX045400.D
Acq: 21 Mar 2025 19:54

Tgt Ion: 98 Resp: 157928

Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.0	78.0



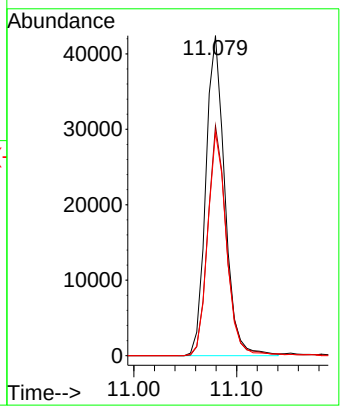


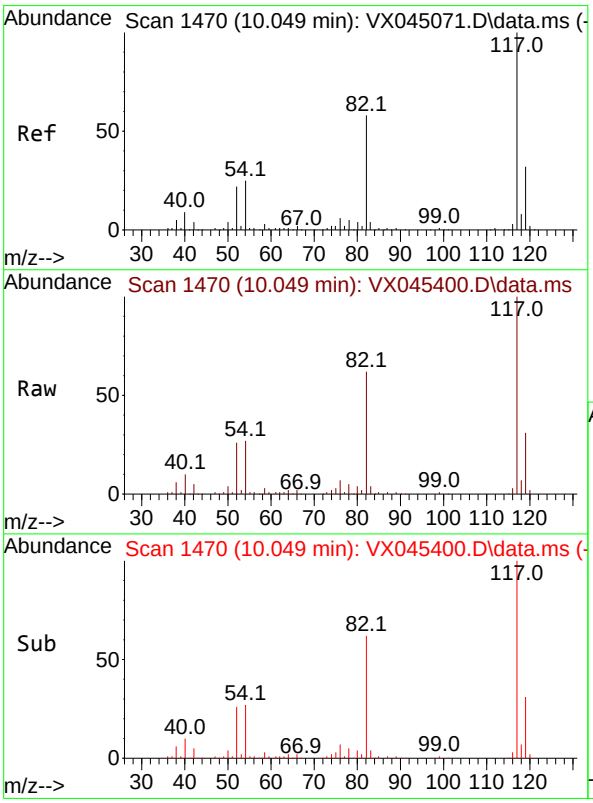
#62
4-Bromofluorobenzene
Concen: 54.170 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045400.D
Acq: 21 Mar 2025 19:54

Instrument :
MSVOA_X
ClientSampleId :
RW11-MW01S-20250317

Tgt Ion: 95 Resp: 54354

Ion	Ratio	Lower	Upper
95	100		
174	70.9	0.0	148.2
176	69.4	0.0	141.4

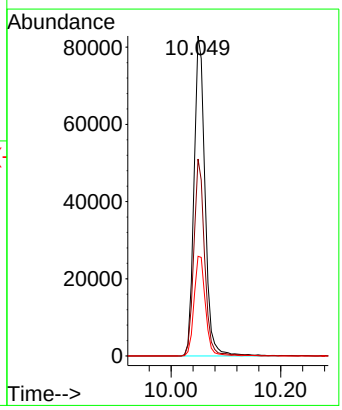


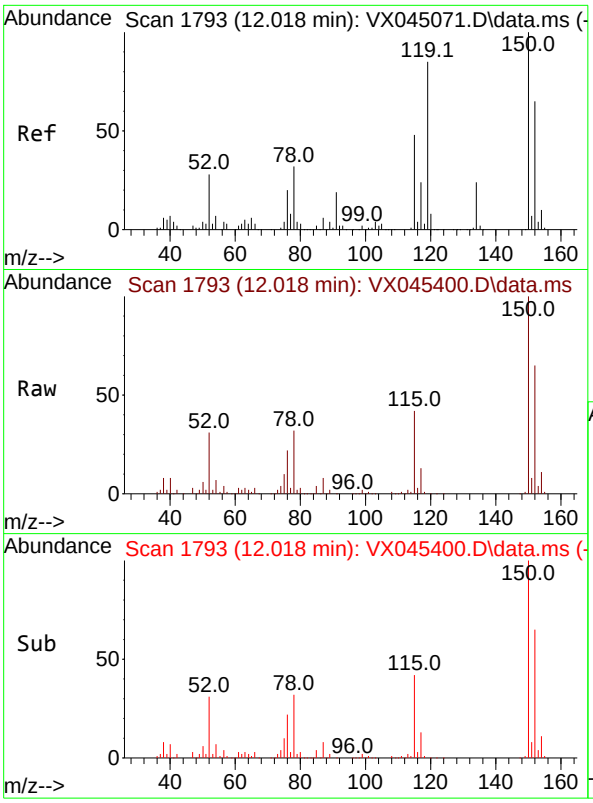


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX045400.D
Acq: 21 Mar 2025 19:54

Tgt Ion:117 Resp: 116362

Ion	Ratio	Lower	Upper
117	100		
82	61.5	46.3	69.5
119	31.2	25.7	38.5



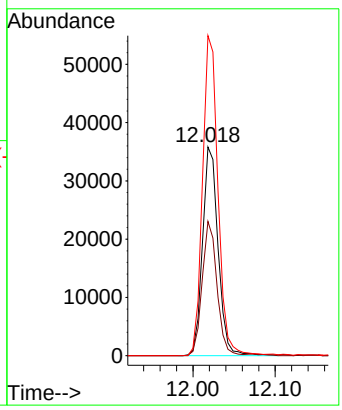


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045400.D
Acq: 21 Mar 2025 19:54

Instrument :
MSVOA_X
ClientSampleId :
RW11-MW01S-20250317

Tgt Ion:152 Resp: 47301

Ion	Ratio	Lower	Upper
152	100		
115	61.0	44.2	132.6
150	152.6	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:	03/17/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/19/25
Client Sample ID:	RW11-MW01I-20250317	SDG No.:	Q1608
Lab Sample ID:	Q1608-08	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
VX045411.D	1		03/24/25 13:44	VX032425

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	1.90	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	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:	03/17/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/19/25
Client Sample ID:	RW11-MW01I-20250317	SDG No.:	Q1608
Lab Sample ID:	Q1608-08	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
VX045411.D	1		03/24/25 13:44	VX032425

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	52.4		80 - 119		105%	SPK: 50
2037-26-5	Toluene-d8	49.9		89 - 112		100%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.8		85 - 114		102%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	69300	5.544				
540-36-3	1,4-Difluorobenzene	135000	6.757				
3114-55-4	Chlorobenzene-d5	124000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	47800	12.018				

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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:	03/17/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/19/25
Client Sample ID:	RW11-MW01I-20250317	SDG No.:	Q1608
Lab Sample ID:	Q1608-08	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
VX045411.D	1		03/24/25 13:44	VX032425

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\VX032425\
Data File : VX045411.D
Acq On : 24 Mar 2025 13:44
Operator : JC/MD
Sample : Q1608-08
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RW11-MW01I-20250317

Quant Time: Mar 25 01:33:28 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

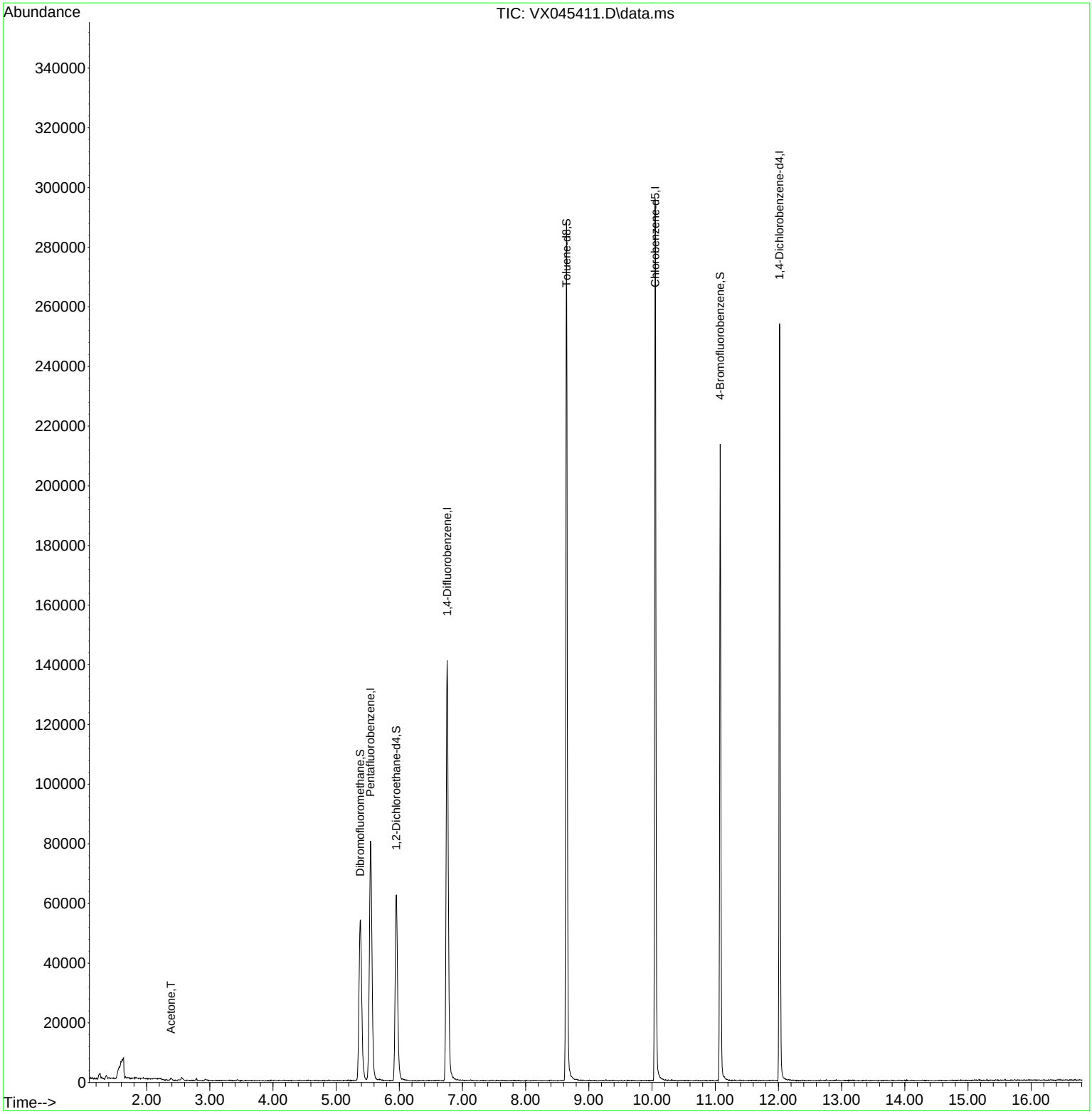
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	69252	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	135280	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	123533	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	47787	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	61250	55.603	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 111.200%			
35) Dibromofluoromethane	5.379	113	47388	52.387	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.780%			
50) Toluene-d8	8.647	98	163534	49.867	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.740%			
62) 4-Bromofluorobenzene	11.079	95	55186	50.783	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 101.560%			
Target Compounds						Qvalue
16) Acetone	2.386	43	969	1.896	ug/l #	84

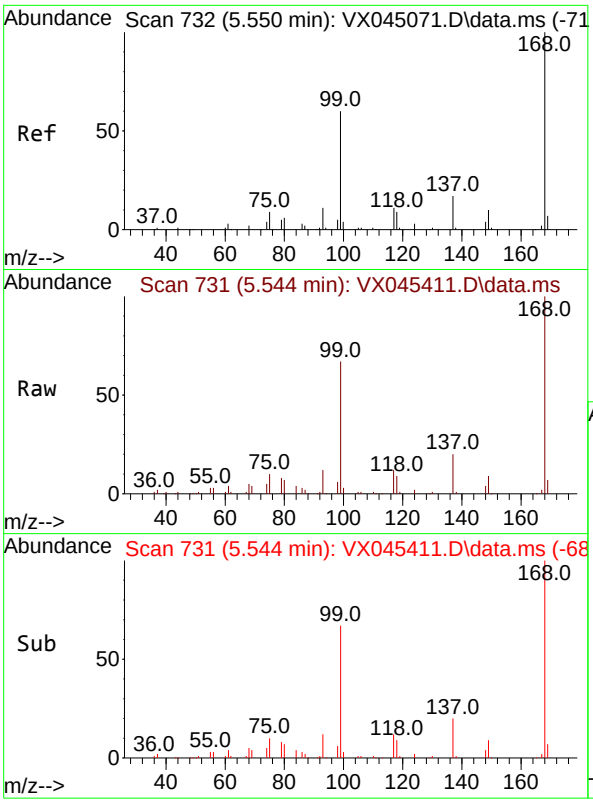
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032425\
Data File : VX045411.D
Acq On : 24 Mar 2025 13:44
Operator : JC/MD
Sample : Q1608-08
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RW11-MW01I-20250317

Quant Time: Mar 25 01:33:28 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



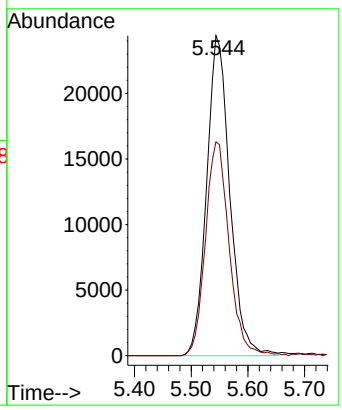


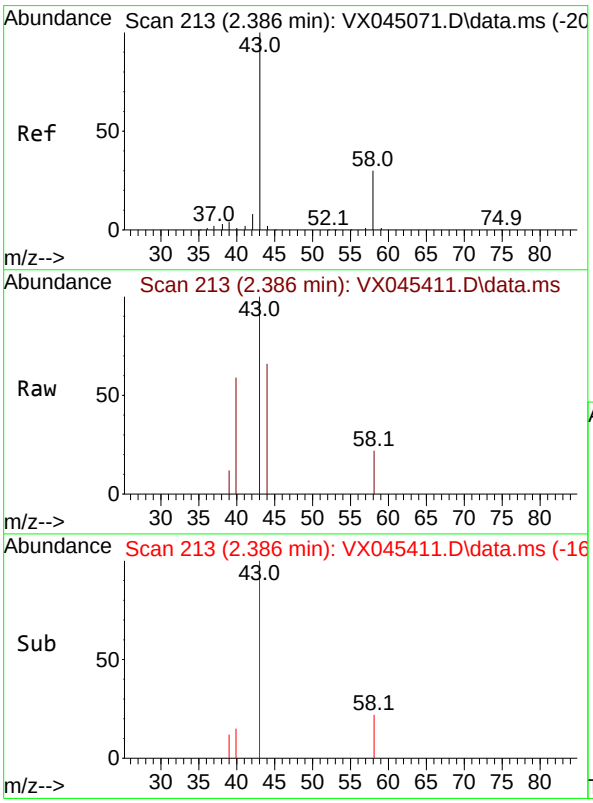
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045411.D
Acq: 24 Mar 2025 13:44

Instrument :
MSVOA_X
ClientSampleId :
RW11-MW01I-20250317

Tgt Ion:168 Resp: 69252

Ion	Ratio	Lower	Upper
168	100		
99	66.9	48.2	72.4

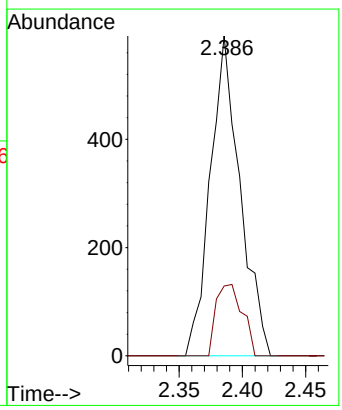


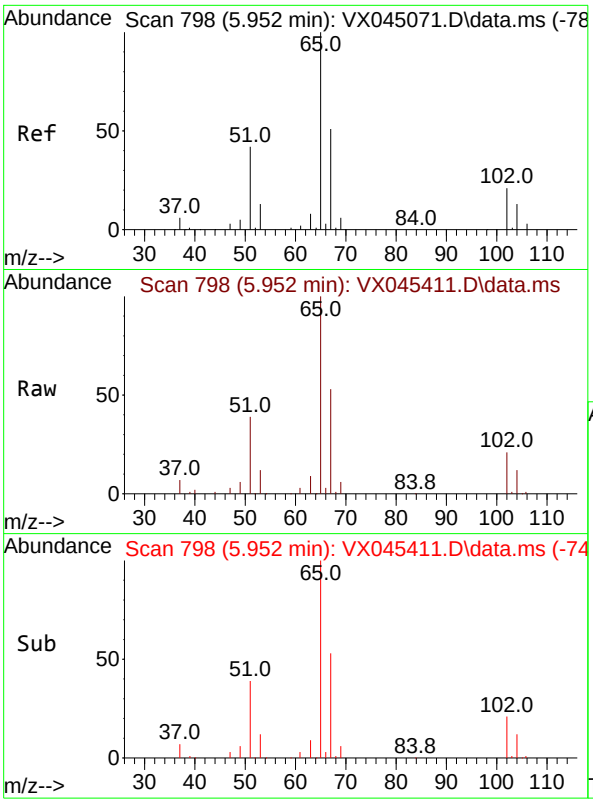


#16
Acetone
Concen: 1.896 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX045411.D
Acq: 24 Mar 2025 13:44

Tgt Ion: 43 Resp: 969

Ion	Ratio	Lower	Upper
43	100		
58	21.8	24.2	36.4#



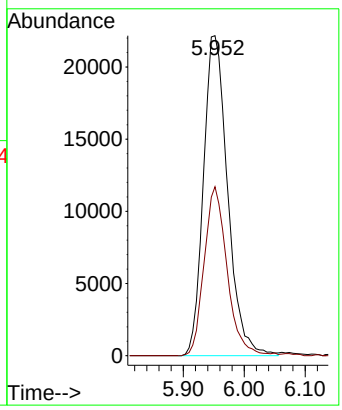


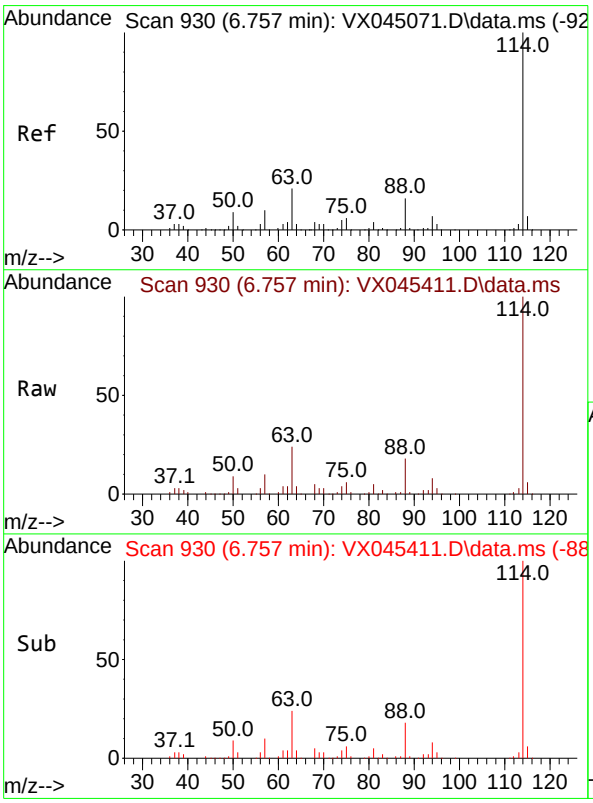
#33
1,2-Dichloroethane-d4
Concen: 55.603 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045411.D
Acq: 24 Mar 2025 13:44

Instrument :
MSVOA_X
ClientSampleId :
RW11-MW01I-20250317

Tgt Ion: 65 Resp: 61250

Ion	Ratio	Lower	Upper
65	100		
67	50.1	0.0	106.2

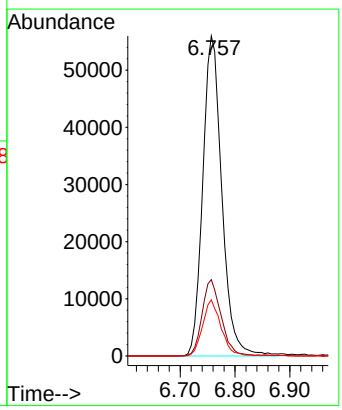


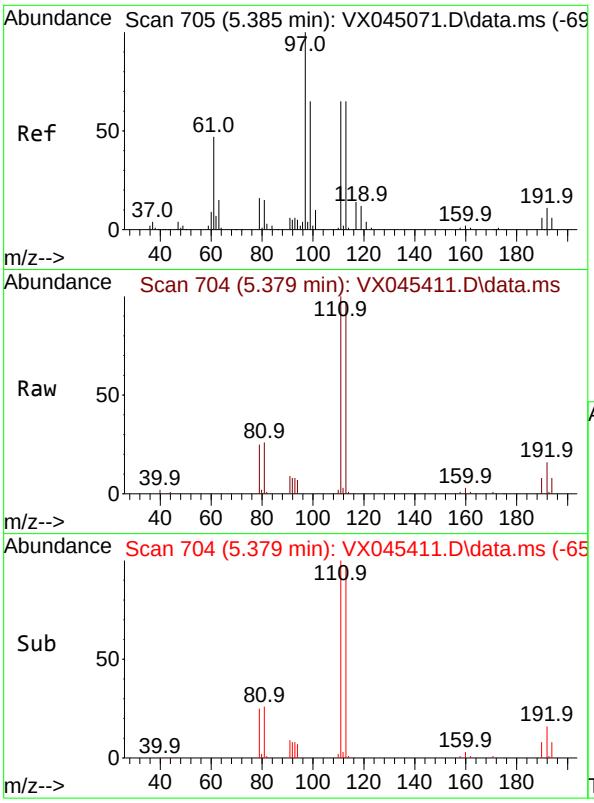


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX045411.D
Acq: 24 Mar 2025 13:44

Tgt Ion:114 Resp: 135280

Ion	Ratio	Lower	Upper
114	100		
63	23.8	0.0	41.8
88	17.6	0.0	32.8



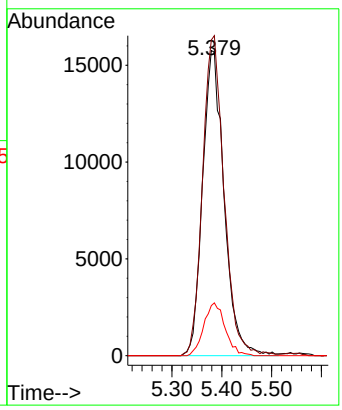


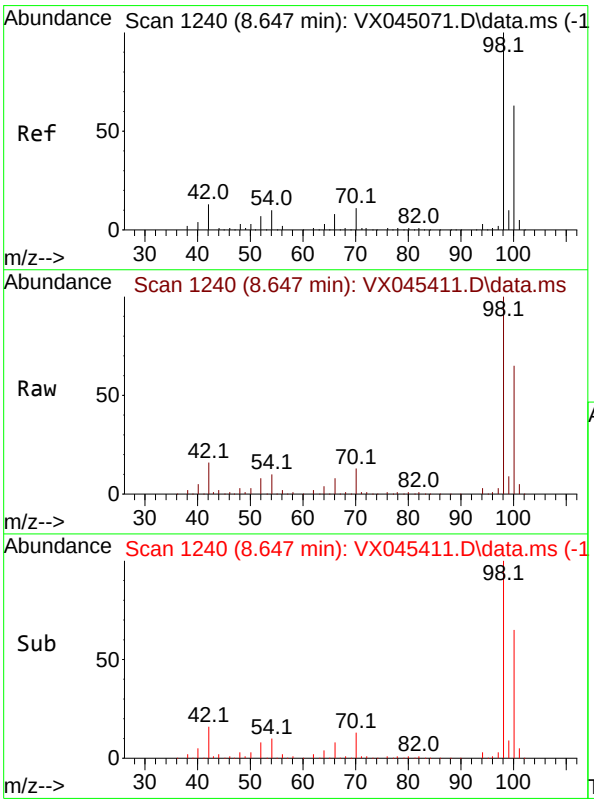
#35
Dibromofluoromethane
Concen: 52.387 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045411.D
Acq: 24 Mar 2025 13:44

Instrument :
MSVOA_X
ClientSampleId :
RW11-MW01I-20250317

Tgt Ion:113 Resp: 47388

Ion	Ratio	Lower	Upper
113	100		
111	103.5	81.8	122.6
192	17.1	14.3	21.5

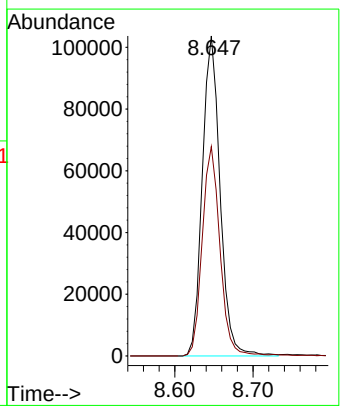


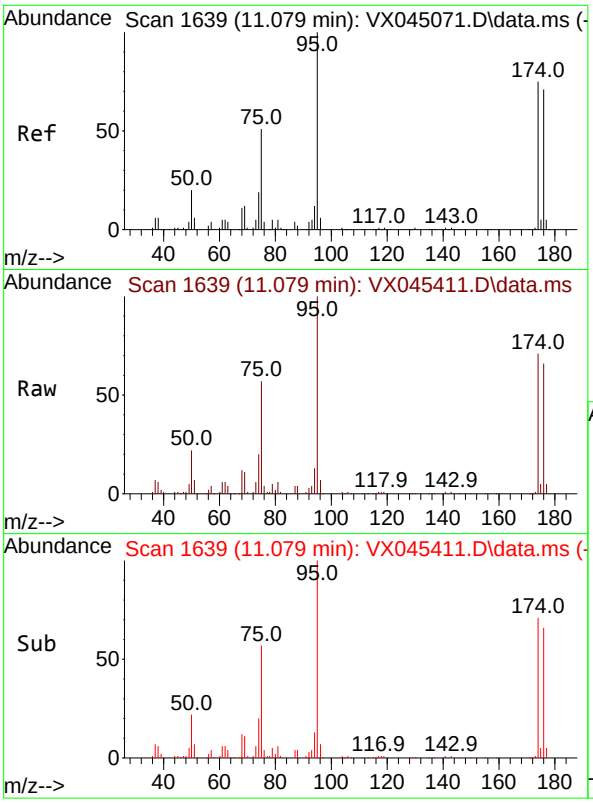


#50
Toluene-d8
Concen: 49.867 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045411.D
Acq: 24 Mar 2025 13:44

Tgt Ion: 98 Resp: 163534

Ion	Ratio	Lower	Upper
98	100		
100	64.9	52.0	78.0



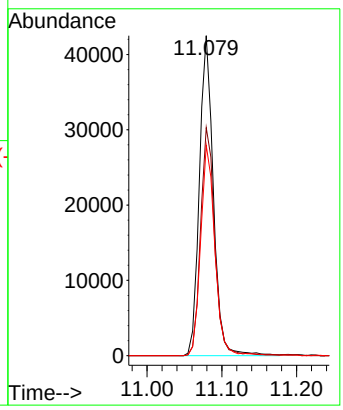


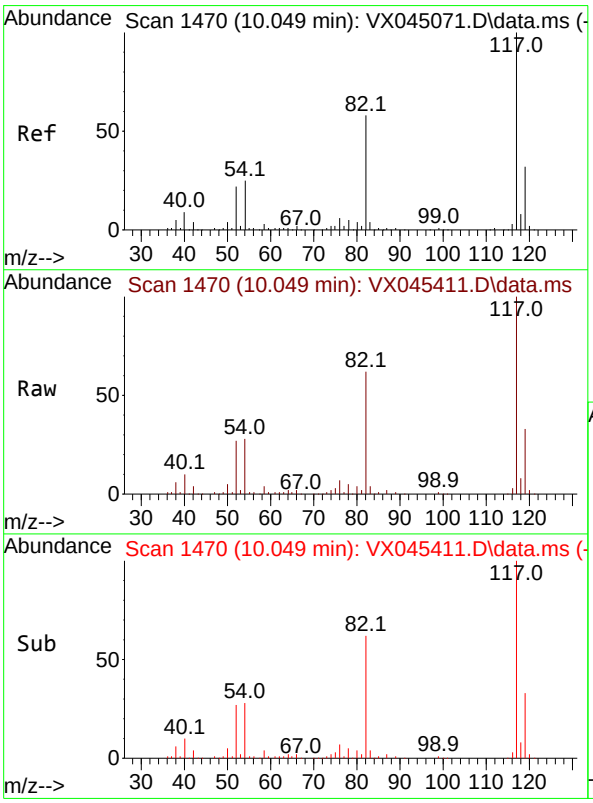
#62
4-Bromofluorobenzene
Concen: 50.783 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045411.D
Acq: 24 Mar 2025 13:44

Instrument :
MSVOA_X
ClientSampleId :
RW11-MW01I-20250317

Tgt Ion: 95 Resp: 55186

Ion	Ratio	Lower	Upper
95	100		
174	72.0	0.0	148.2
176	67.0	0.0	141.4

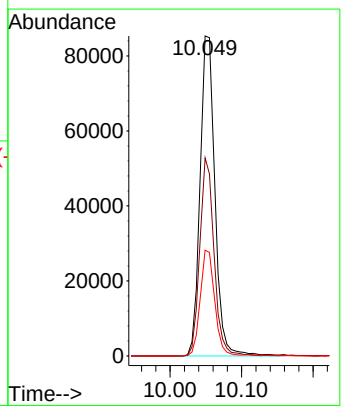


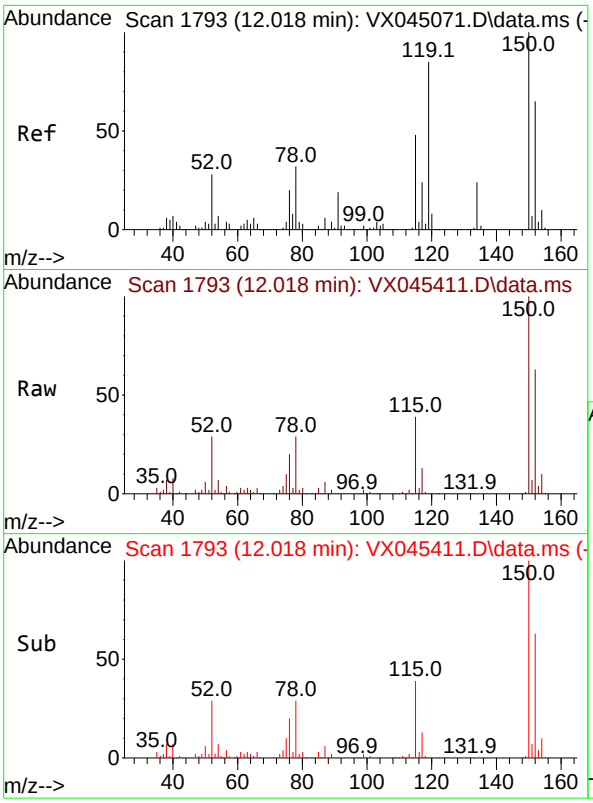


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX045411.D
Acq: 24 Mar 2025 13:44

Tgt Ion:117 Resp: 123533

Ion	Ratio	Lower	Upper
117	100		
82	61.9	46.3	69.5
119	33.0	25.7	38.5



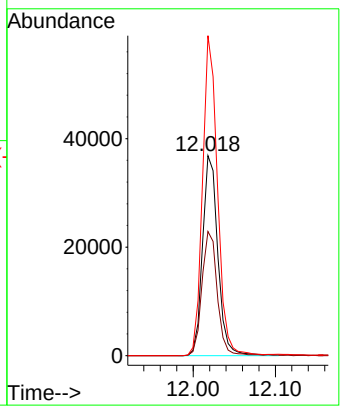


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045411.D
Acq: 24 Mar 2025 13:44

Instrument :
MSVOA_X
ClientSampleId :
RW11-MW01I-20250317

Tgt Ion:152 Resp: 47787

Ion	Ratio	Lower	Upper
152	100		
115	62.5	44.2	132.6
150	155.6	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:	03/18/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/19/25
Client Sample ID:	GM38-RW3-MW1-20250318	SDG No.:	Q1608
Lab Sample ID:	Q1608-09	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
VX045412.D	1		03/24/25 14:07	VX032425

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	18.9		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

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:	03/18/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/19/25
Client Sample ID:	GM38-RW3-MW1-20250318	SDG No.:	Q1608
Lab Sample ID:	Q1608-09	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
VX045412.D	1		03/24/25 14:07	VX032425

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	1.60		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	56.1		81 - 118		112%	SPK: 50
1868-53-7	Dibromofluoromethane	52.1		80 - 119		104%	SPK: 50
2037-26-5	Toluene-d8	50.4		89 - 112		101%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.2		85 - 114		104%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	72500	5.543				
540-36-3	1,4-Difluorobenzene	143000	6.757				
3114-55-4	Chlorobenzene-d5	129000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	52100	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:	03/18/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/19/25
Client Sample ID:	GM38-RW3-MW1-20250318	SDG No.:	Q1608
Lab Sample ID:	Q1608-09	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
VX045412.D	1		03/24/25 14:07	VX032425

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\VX032425\
Data File : VX045412.D
Acq On : 24 Mar 2025 14:07
Operator : JC/MD
Sample : Q1608-09
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
GM38-RW3-MW1-20250318

Quant Time: Mar 25 01:33:52 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

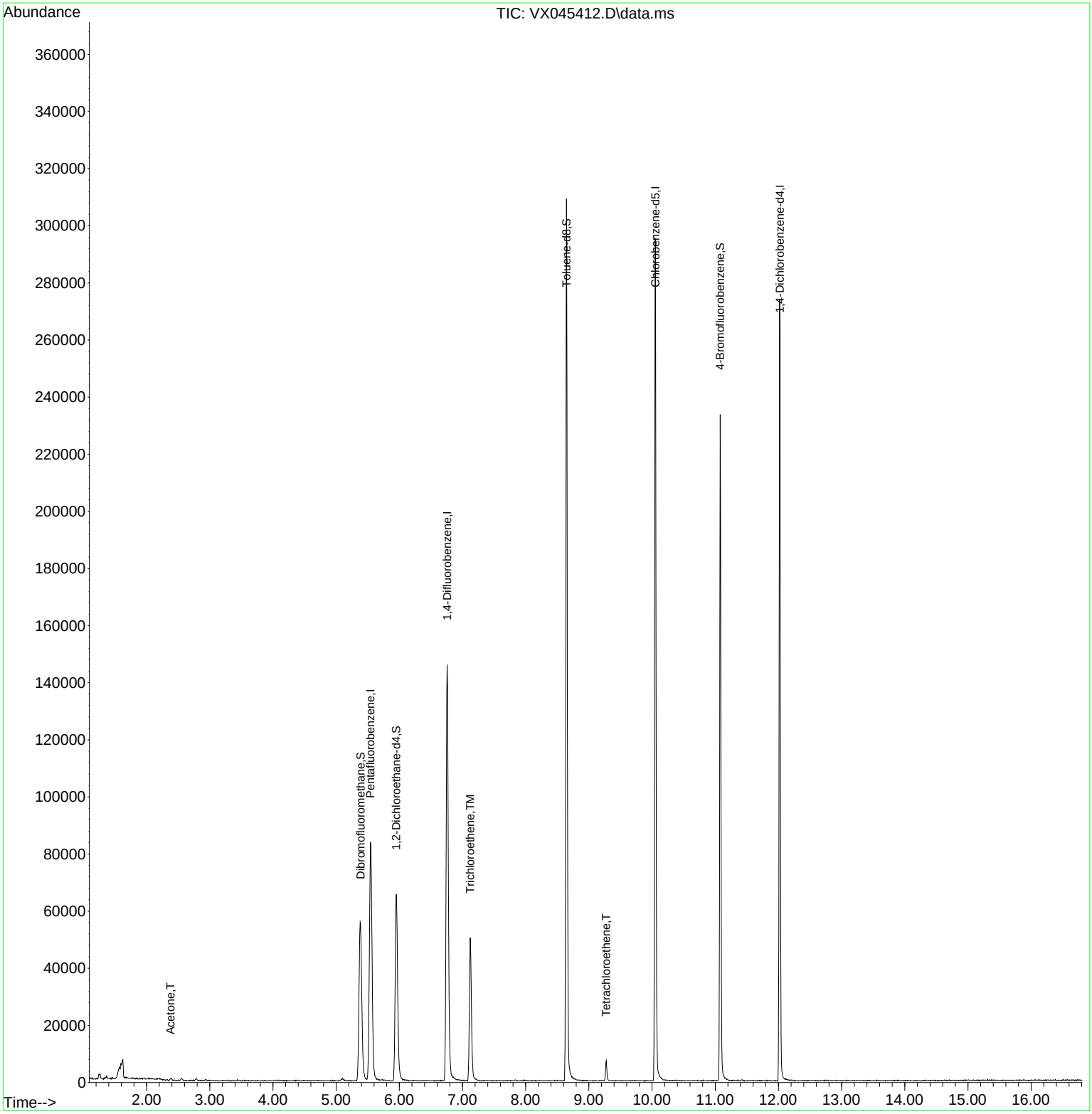
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.543	168	72484	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	143019	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	128743	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	52056	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	64677	56.096	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 112.200%			
35) Dibromofluoromethane	5.385	113	49839	52.115	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.220%			
50) Toluene-d8	8.647	98	174748	50.403	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.800%			
62) 4-Bromofluorobenzene	11.079	95	59982	52.210	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 104.420%			
Target Compounds						Qvalue
16) Acetone	2.379	43	905	1.692	ug/l	96
44) Trichloroethene	7.122	130	18390	18.911	ug/l	98
64) Tetrachloroethene	9.274	164	1290	1.564	ug/l #	81

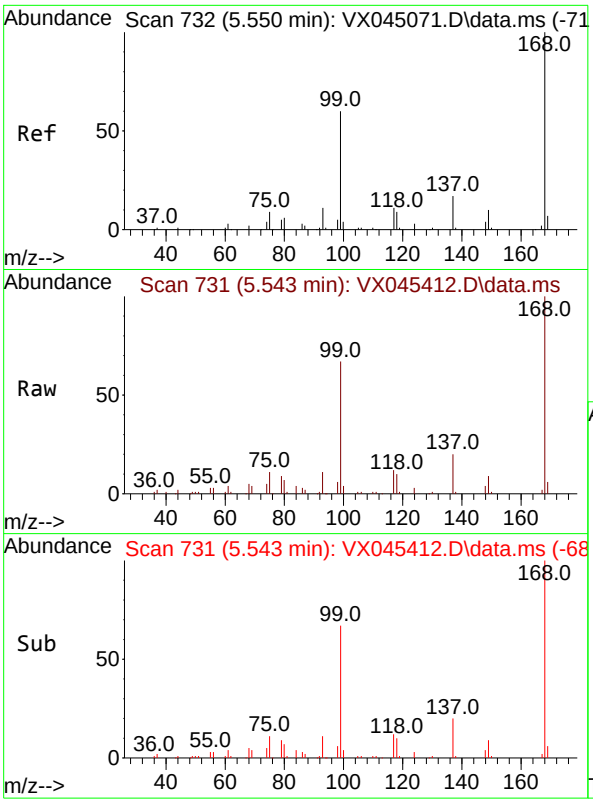
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032425\
Data File : VX045412.D
Acq On : 24 Mar 2025 14:07
Operator : JC/MD
Sample : Q1608-09
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
GM38-RW3-MW1-20250318

Quant Time: Mar 25 01:33:52 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



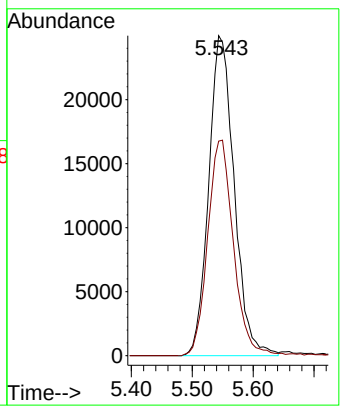


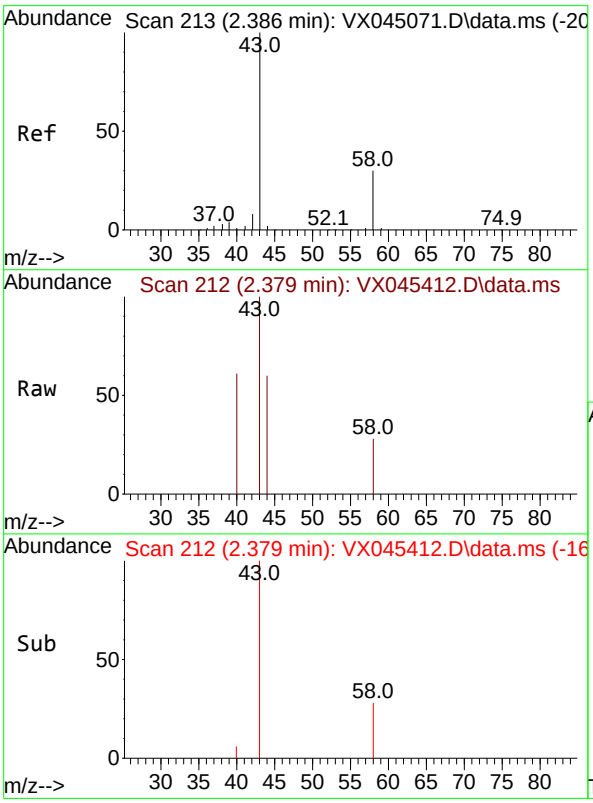
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.543 min Scan# 7
Delta R.T. -0.007 min
Lab File: VX045412.D
Acq: 24 Mar 2025 14:07

Instrument :
MSVOA_X
ClientSampleId :
GM38-RW3-MW1-20250318

Tgt Ion:168 Resp: 72484

Ion	Ratio	Lower	Upper
168	100		
99	67.1	48.2	72.4

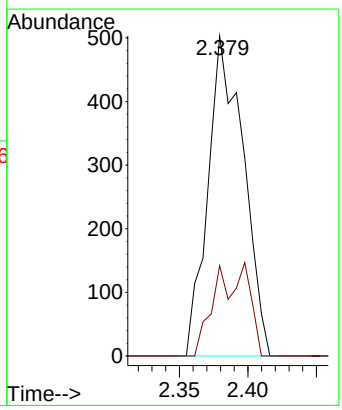


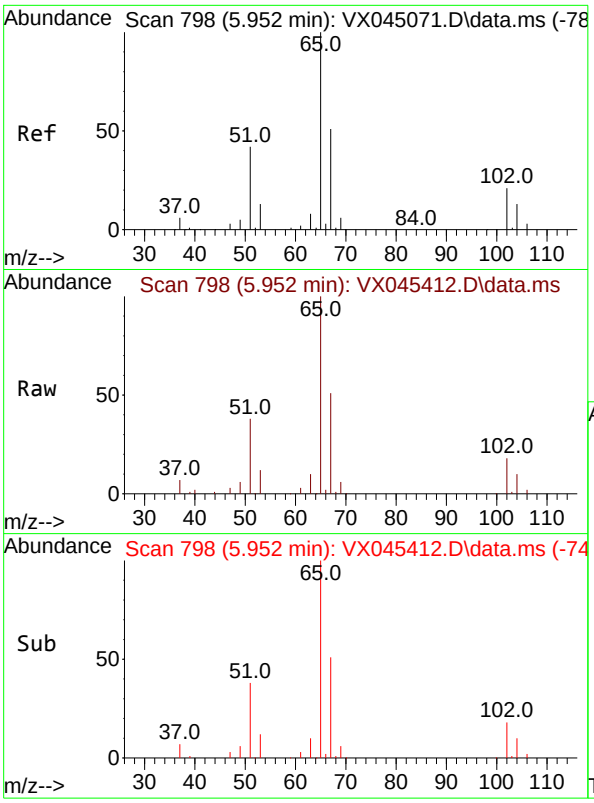


#16
Acetone
Concen: 1.692 ug/l
RT: 2.379 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX045412.D
Acq: 24 Mar 2025 14:07

Tgt Ion: 43 Resp: 905

Ion	Ratio	Lower	Upper
43	100		
58	28.2	24.2	36.4



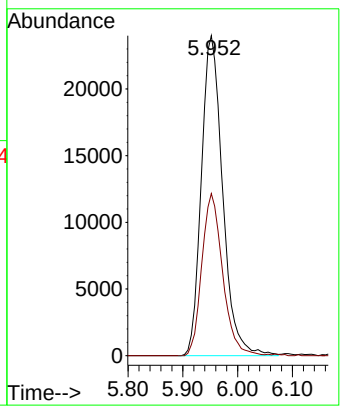


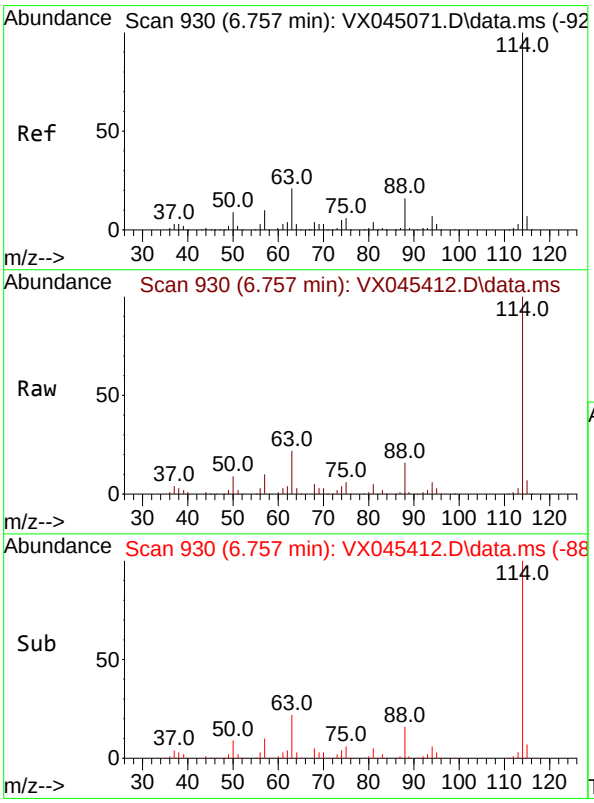
#33
1,2-Dichloroethane-d4
Concen: 56.096 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045412.D
Acq: 24 Mar 2025 14:07

Instrument :
MSVOA_X
ClientSampleId :
GM38-RW3-MW1-20250318

Tgt Ion: 65 Resp: 64677

Ion	Ratio	Lower	Upper
65	100		
67	49.5	0.0	106.2

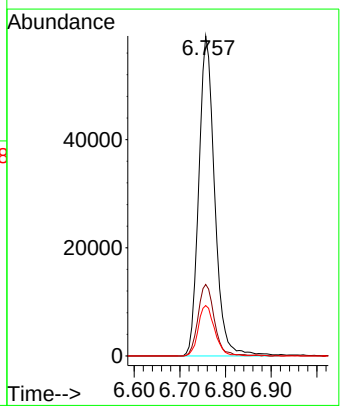


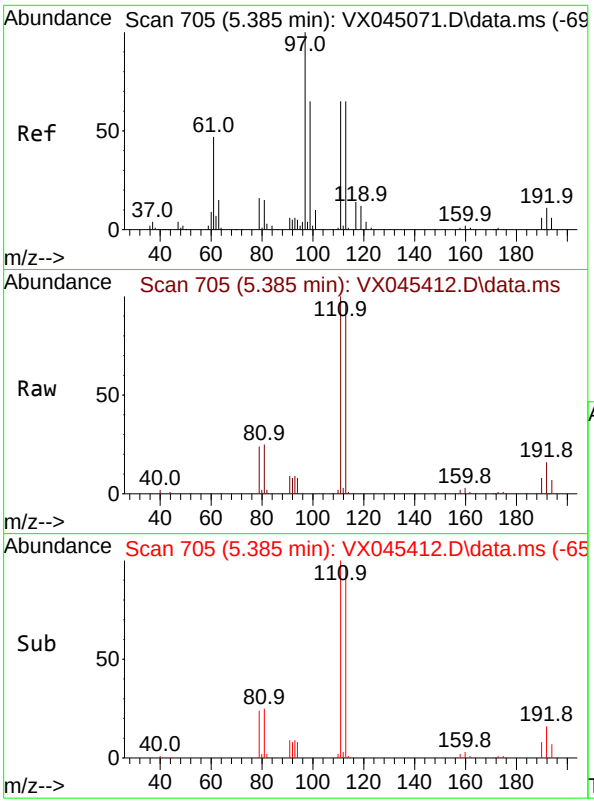


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX045412.D
Acq: 24 Mar 2025 14:07

Tgt Ion:114 Resp: 143019

Ion	Ratio	Lower	Upper
114	100		
63	22.4	0.0	41.8
88	15.7	0.0	32.8



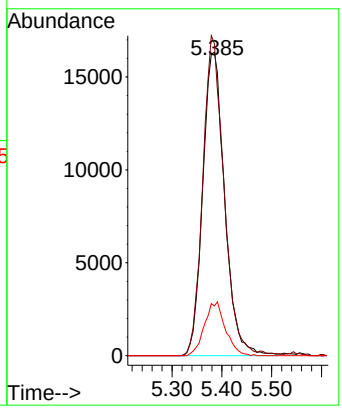


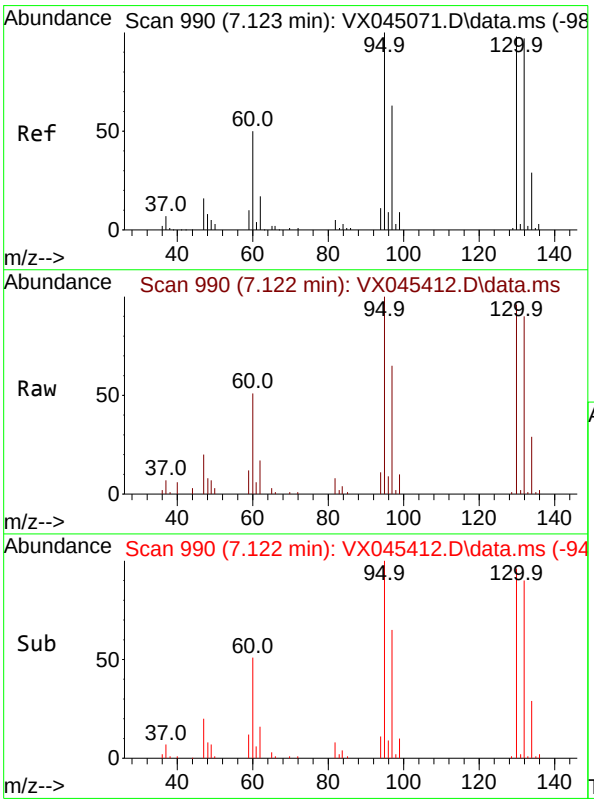
#35
Dibromofluoromethane
Concen: 52.115 ug/l
RT: 5.385 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045412.D
Acq: 24 Mar 2025 14:07

Instrument :
MSVOA_X
ClientSampleId :
GM38-RW3-MW1-20250318

Tgt Ion:113 Resp: 49839

Ion	Ratio	Lower	Upper
113	100		
111	101.4	81.8	122.6
192	17.0	14.3	21.5

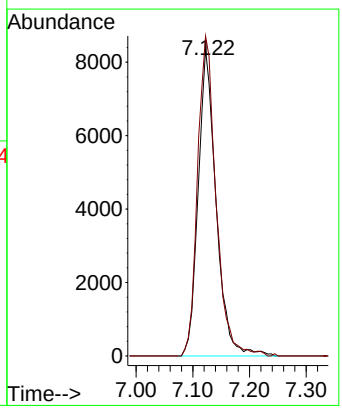


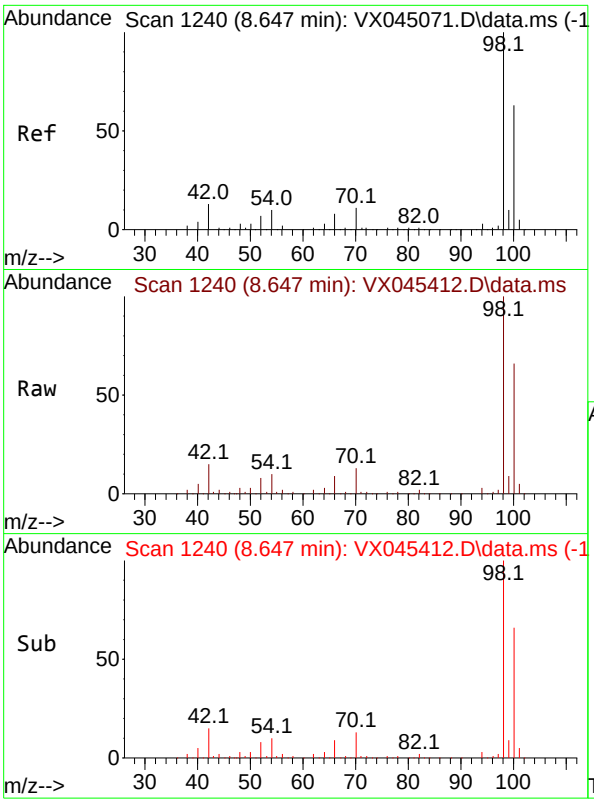


#44
Trichloroethene
Concen: 18.911 ug/l
RT: 7.122 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX045412.D
Acq: 24 Mar 2025 14:07

Tgt Ion:130 Resp: 18390

Ion	Ratio	Lower	Upper
130	100		
95	104.3	0.0	205.0



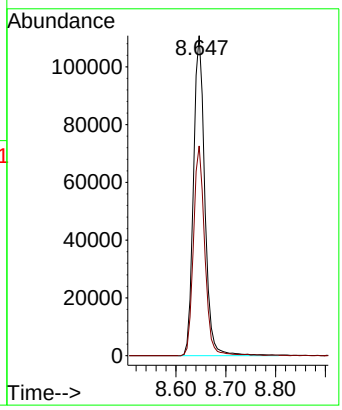


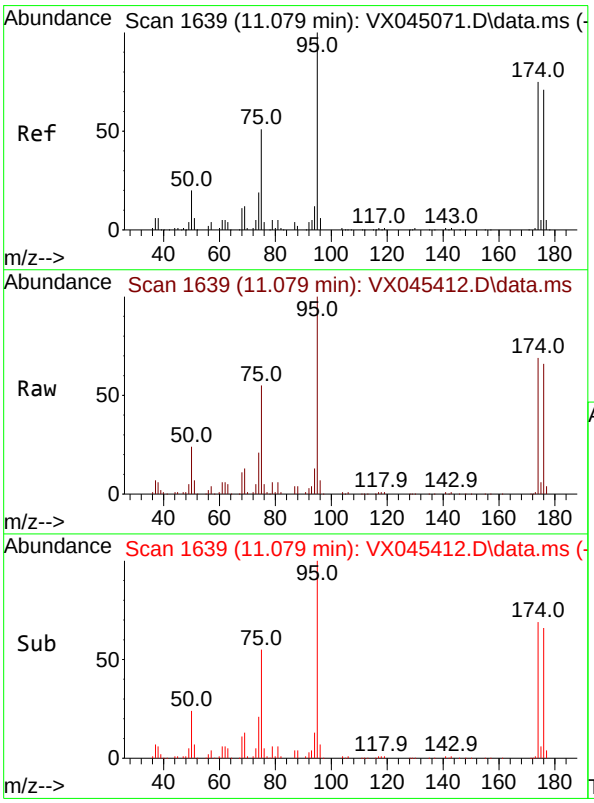
#50
Toluene-d8
Concen: 50.403 ug/l
RT: 8.647 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045412.D
Acq: 24 Mar 2025 14:07

Instrument :
MSVOA_X
ClientSampleId :
GM38-RW3-MW1-20250318

Tgt Ion: 98 Resp: 174748

Ion	Ratio	Lower	Upper
98	100		
100	65.4	52.0	78.0

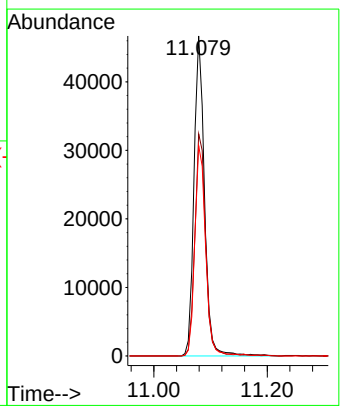


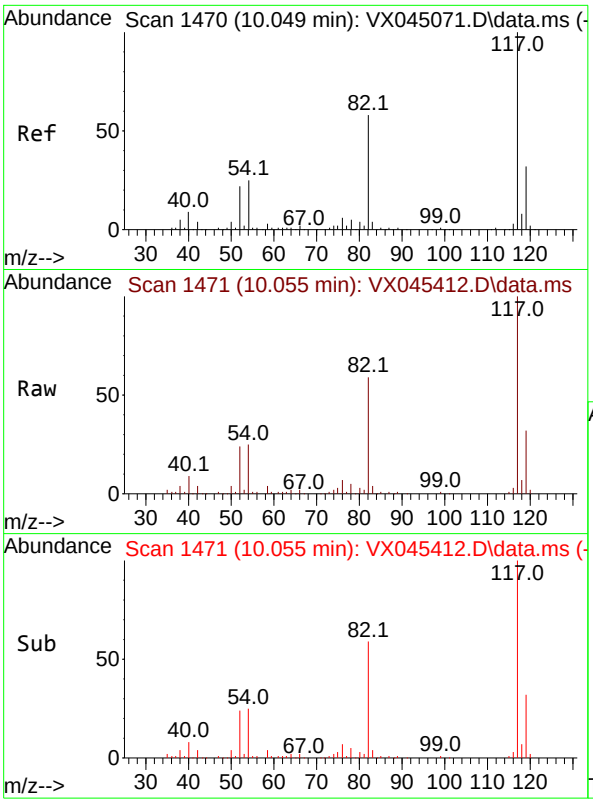


#62
4-Bromofluorobenzene
Concen: 52.210 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045412.D
Acq: 24 Mar 2025 14:07

Tgt Ion: 95 Resp: 59982

Ion	Ratio	Lower	Upper
95	100		
174	71.8	0.0	148.2
176	67.3	0.0	141.4



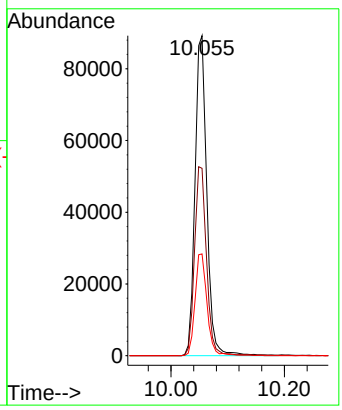


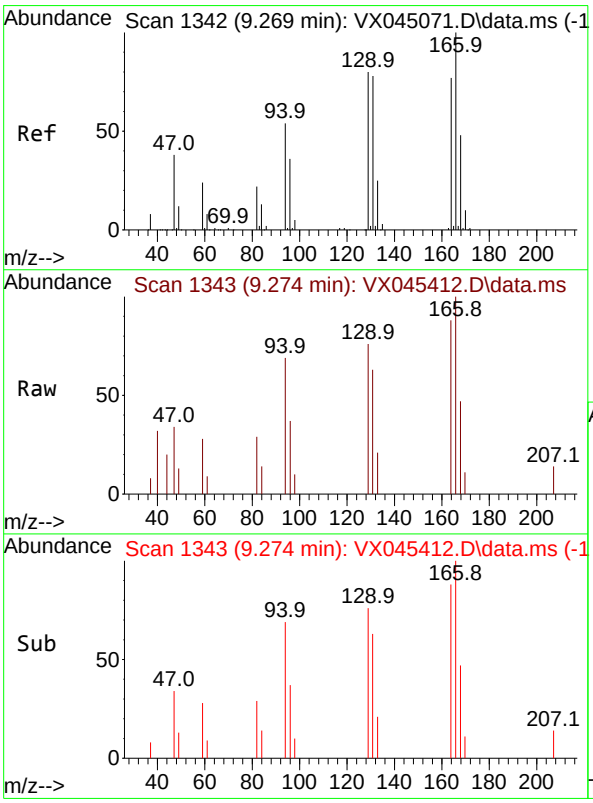
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX045412.D
Acq: 24 Mar 2025 14:07

Instrument :
MSVOA_X
ClientSampleId :
GM38-RW3-MW1-20250318

Tgt Ion:117 Resp: 128743

Ion	Ratio	Lower	Upper
117	100		
82	58.6	46.3	69.5
119	31.8	25.7	38.5

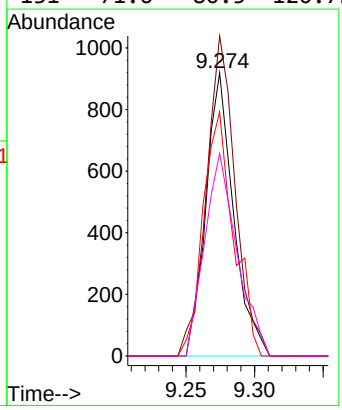


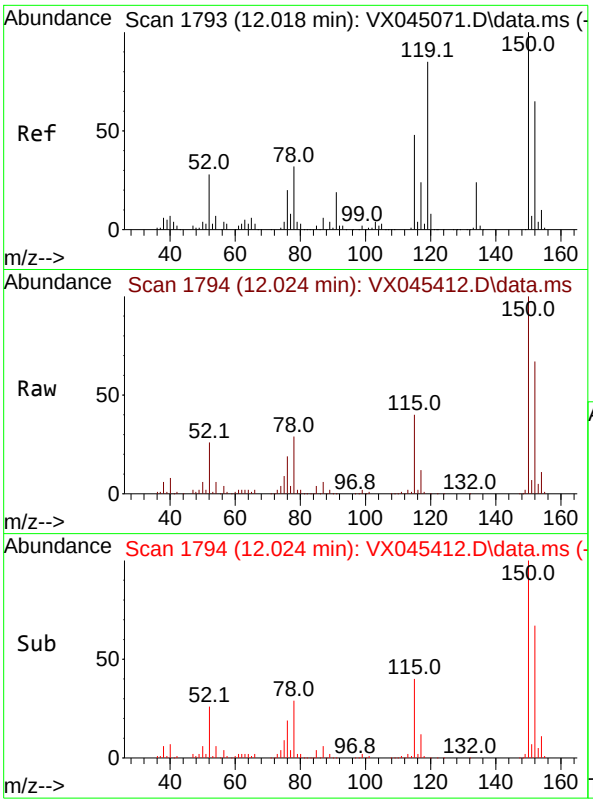


#64
Tetrachloroethene
Concen: 1.564 ug/l
RT: 9.274 min Scan# 1343
Delta R.T. 0.006 min
Lab File: VX045412.D
Acq: 24 Mar 2025 14:07

Tgt Ion:164 Resp: 1290

Ion	Ratio	Lower	Upper
164	100		
166	113.1	103.6	155.4
129	86.3	82.7	124.1
131	71.6	80.5	120.7#



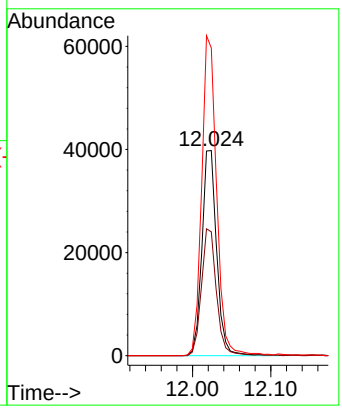


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045412.D
Acq: 24 Mar 2025 14:07

Instrument :
MSVOA_X
ClientSampleId :
GM38-RW3-MW1-20250318

Tgt Ion:152 Resp: 52056

Ion	Ratio	Lower	Upper
152	100		
115	63.0	44.2	132.6
150	157.4	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:	03/18/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/19/25
Client Sample ID:	DUP08-20250318	SDG No.:	Q1608
Lab Sample ID:	Q1608-10	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
VX045413.D	1		03/24/25 14:30	VX032425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	1.60		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	12.9		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	2.70		0.23	0.75	1.00	ug/L
67-64-1	Acetone	1.60	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	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	1.60		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	1.50		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	160	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:	03/18/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/19/25
Client Sample ID:	DUP08-20250318	SDG No.:	Q1608
Lab Sample ID:	Q1608-10	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
VX045413.D	1		03/24/25 14:30	VX032425

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	57.4		81 - 118		115%	SPK: 50
1868-53-7	Dibromofluoromethane	52.0		80 - 119		104%	SPK: 50
2037-26-5	Toluene-d8	50.6		89 - 112		101%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.1		85 - 114		104%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	66400	5.55				
540-36-3	1,4-Difluorobenzene	131000	6.757				
3114-55-4	Chlorobenzene-d5	119000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	45400	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:	03/18/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/19/25
Client Sample ID:	DUP08-20250318	SDG No.:	Q1608
Lab Sample ID:	Q1608-10	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
VX045413.D	1		03/24/25 14:30	VX032425

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\VX032425\
Data File : VX045413.D
Acq On : 24 Mar 2025 14:30
Operator : JC/MD
Sample : Q1608-10
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
DUP08-20250318

Quant Time: Mar 25 01:34:16 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

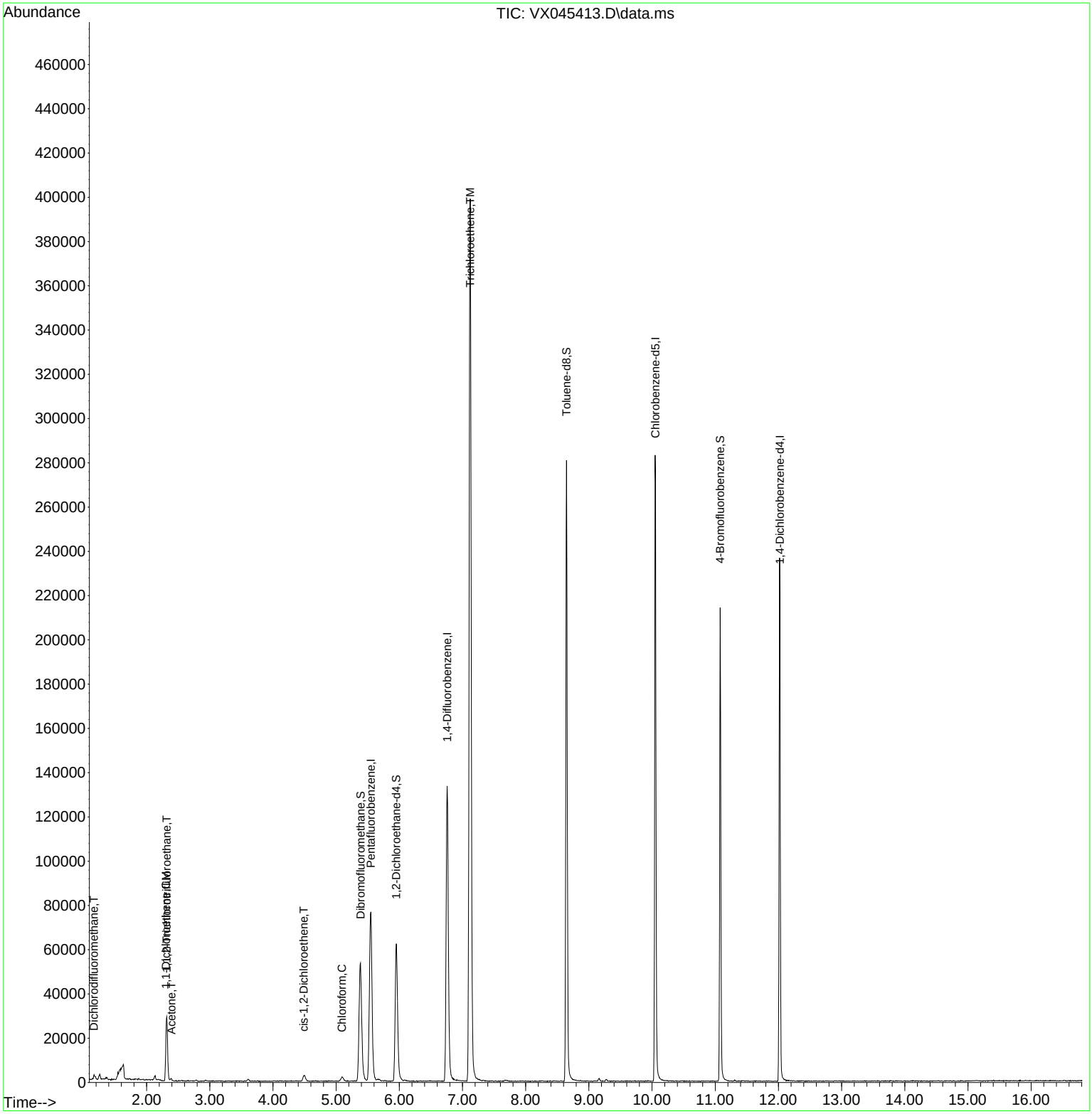
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	66432	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	131180	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	119040	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	45448	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	60693	57.436	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 114.880%			
35) Dibromofluoromethane	5.385	113	45614	52.002	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.000%			
50) Toluene-d8	8.647	98	160772	50.557	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.120%			
62) 4-Bromofluorobenzene	11.079	95	54900	52.099	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 104.200%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	1312	1.569	ug/l	83
9) 1,1,2-Trichlorotrifluo...	2.319	101	9946	12.882	ug/l	96
12) 1,1-Dichloroethene	2.307	96	2198	2.693	ug/l	93
16) Acetone	2.392	43	779	1.589	ug/l #	70
27) cis-1,2-Dichloroethene	4.489	96	1634	1.641	ug/l	92
30) Chloroform	5.093	83	2448	1.488	ug/l	89
44) Trichloroethene	7.123	130	146962	164.765	ug/l	99

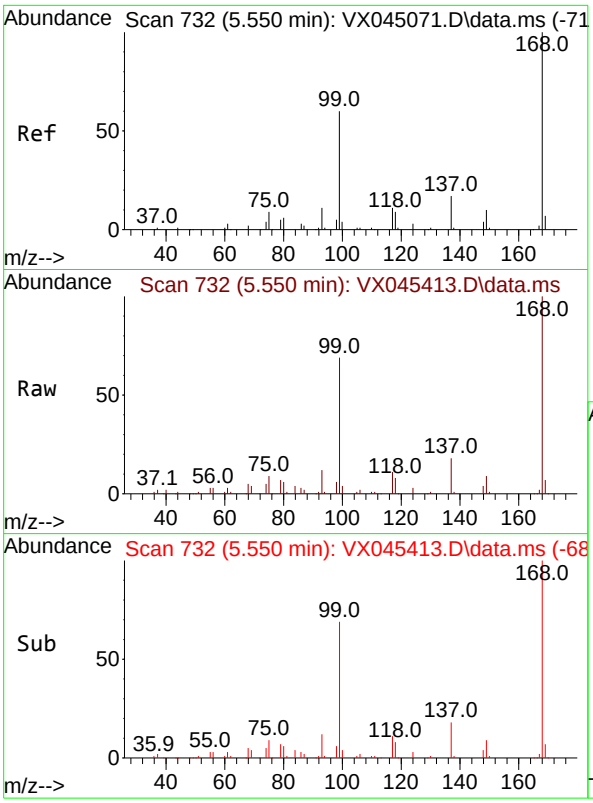
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032425\
Data File : VX045413.D
Acq On : 24 Mar 2025 14:30
Operator : JC/MD
Sample : Q1608-10
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
DUP08-20250318

Quant Time: Mar 25 01:34:16 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



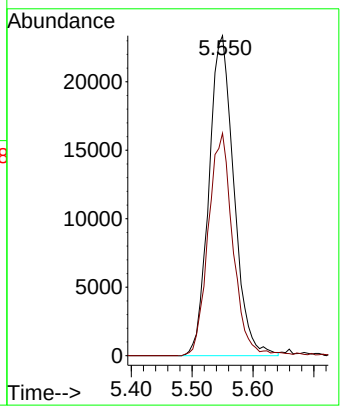


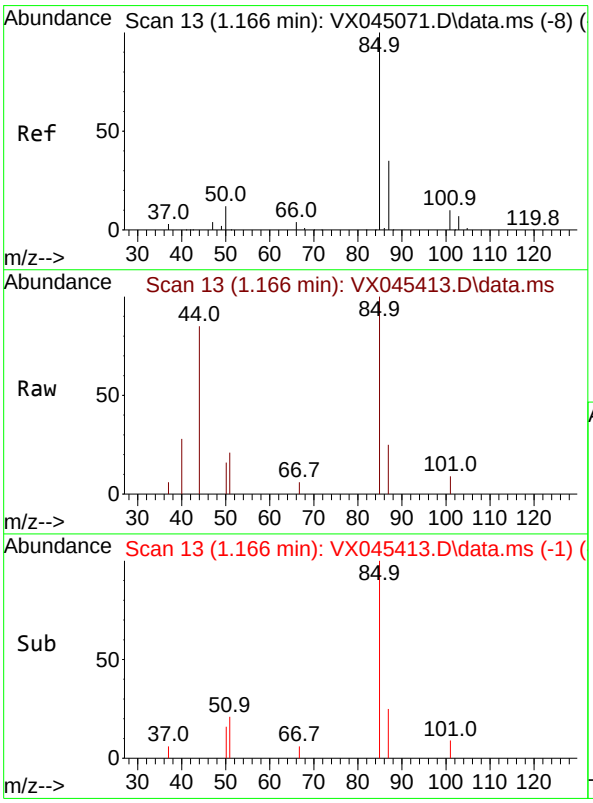
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045413.D
Acq: 24 Mar 2025 14:30

Instrument :
MSVOA_X
ClientSampleId :
DUP08-20250318

Tgt Ion:168 Resp: 66432

Ion	Ratio	Lower	Upper
168	100		
99	69.5	48.2	72.4

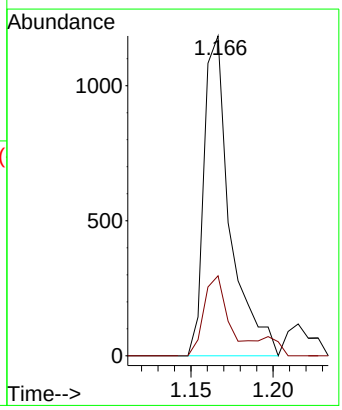


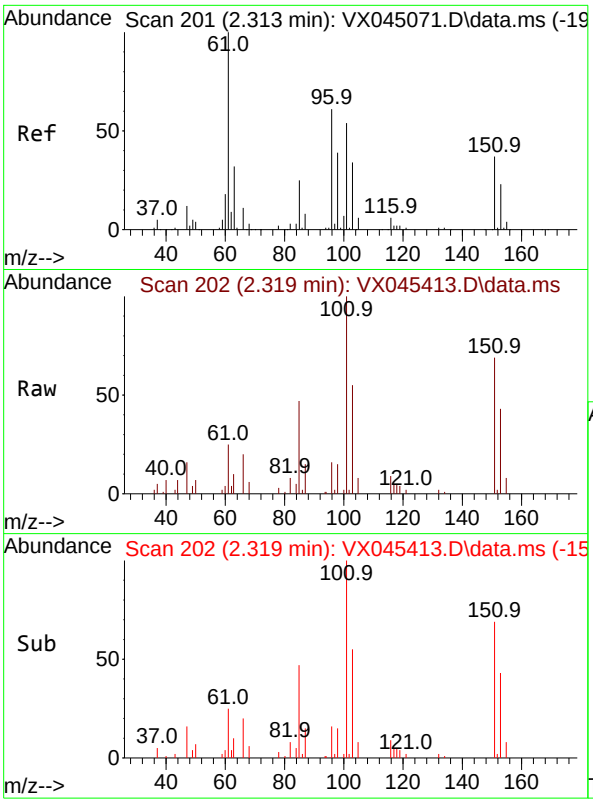


#2
Dichlorodifluoromethane
Concen: 1.569 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX045413.D
Acq: 24 Mar 2025 14:30

Tgt Ion: 85 Resp: 1312

Ion	Ratio	Lower	Upper
85	100		
87	25.0	17.4	52.3



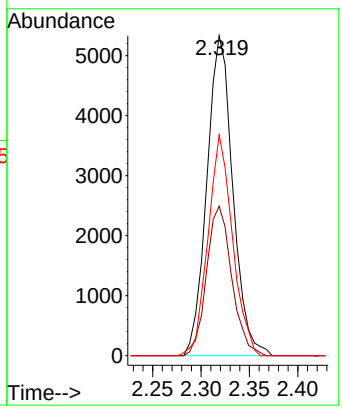


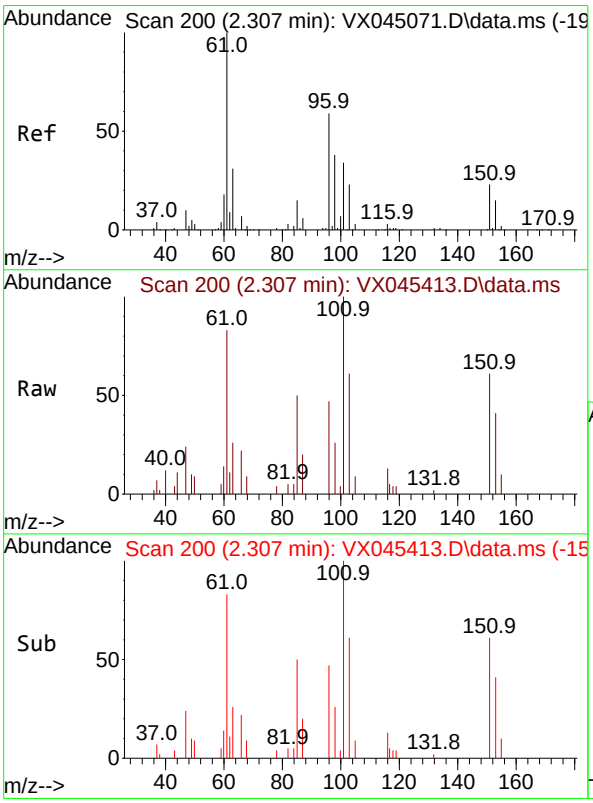
#9
1,1,2-Trichlorotrifluoroethane
Concen: 12.882 ug/l
RT: 2.319 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX045413.D
Acq: 24 Mar 2025 14:30

Instrument :
MSVOA_X
ClientSampleId :
DUP08-20250318

Tgt Ion:101 Resp: 9946

Ion	Ratio	Lower	Upper
101	100		
85	45.5	36.2	54.4
151	65.3	56.4	84.6

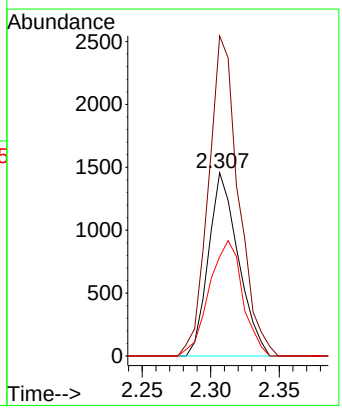


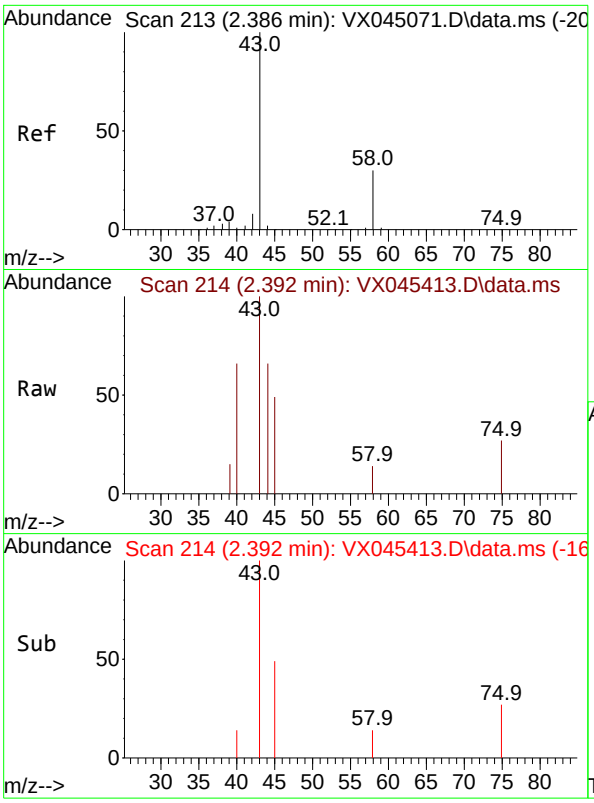


#12
1,1-Dichloroethene
Concen: 2.693 ug/l
RT: 2.307 min Scan# 200
Delta R.T. 0.000 min
Lab File: VX045413.D
Acq: 24 Mar 2025 14:30

Tgt Ion: 96 Resp: 2198

Ion	Ratio	Lower	Upper
96	100		
61	174.7	134.6	202.0
98	54.2	51.0	76.6



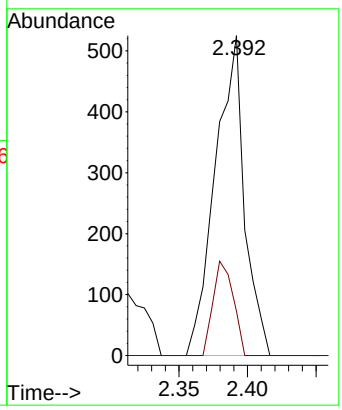


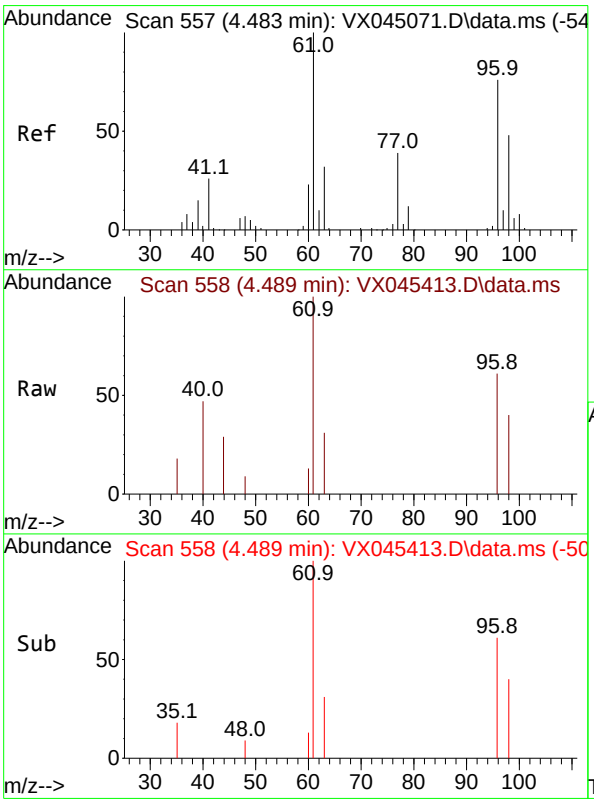
#16
Acetone
Concen: 1.589 ug/l
RT: 2.392 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX045413.D
Acq: 24 Mar 2025 14:30

Instrument :
MSVOA_X
ClientSampleId :
DUP08-20250318

Tgt Ion: 43 Resp: 779

Ion	Ratio	Lower	Upper
43	100		
58	13.9	24.2	36.4#

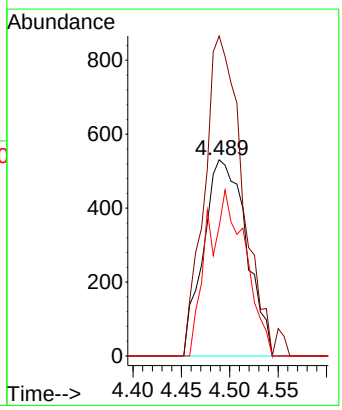


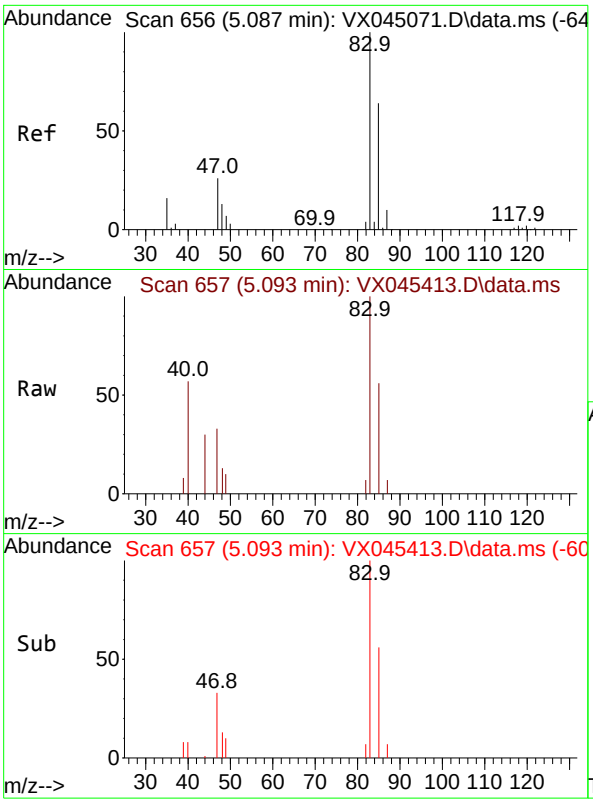


#27
cis-1,2-Dichloroethene
Concen: 1.641 ug/l
RT: 4.489 min Scan# 558
Delta R.T. 0.006 min
Lab File: VX045413.D
Acq: 24 Mar 2025 14:30

Tgt Ion: 96 Resp: 1634

Ion	Ratio	Lower	Upper
96	100		
61	146.8	0.0	283.2
98	75.8	0.0	128.0



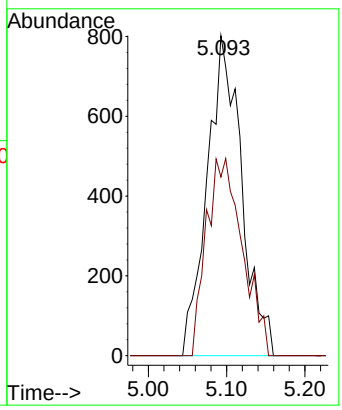


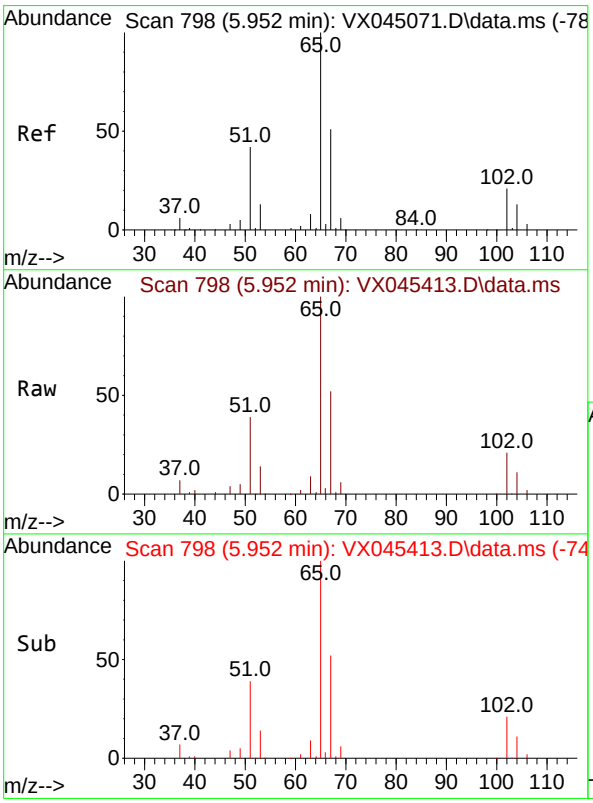
#30
Chloroform
Concen: 1.488 ug/l
RT: 5.093 min Scan# 6
Delta R.T. 0.006 min
Lab File: VX045413.D
Acq: 24 Mar 2025 14:30

Instrument :
MSVOA_X
ClientSampleId :
DUP08-20250318

Tgt Ion: 83 Resp: 2448

Ion	Ratio	Lower	Upper
83	100		
85	55.9	51.4	77.2

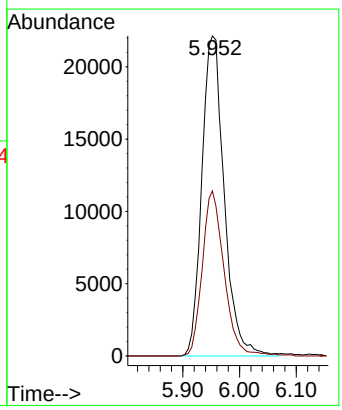


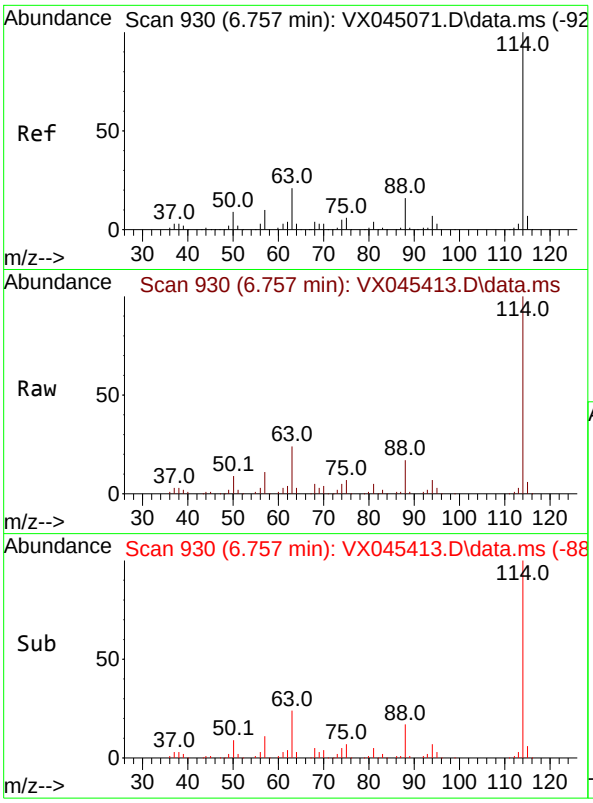


#33
1,2-Dichloroethane-d4
Concen: 57.436 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX045413.D
Acq: 24 Mar 2025 14:30

Tgt Ion: 65 Resp: 60693

Ion	Ratio	Lower	Upper
65	100		
67	50.4	0.0	106.2



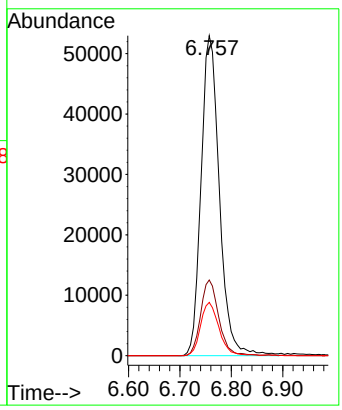


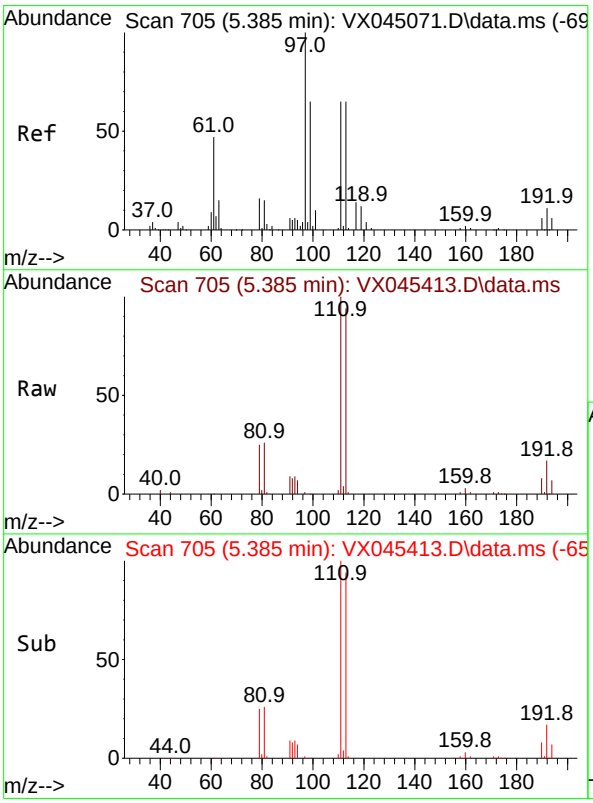
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 9
Delta R.T. 0.000 min
Lab File: VX045413.D
Acq: 24 Mar 2025 14:30

Instrument :
MSVOA_X
ClientSampleId :
DUP08-20250318

Tgt Ion:114 Resp: 131180

Ion	Ratio	Lower	Upper
114	100		
63	23.7	0.0	41.8
88	16.6	0.0	32.8

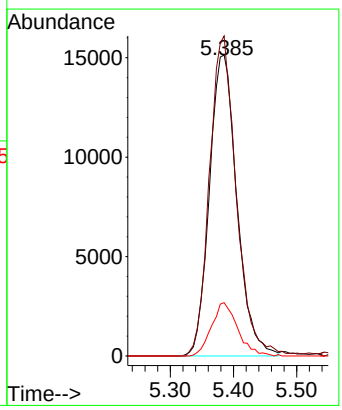


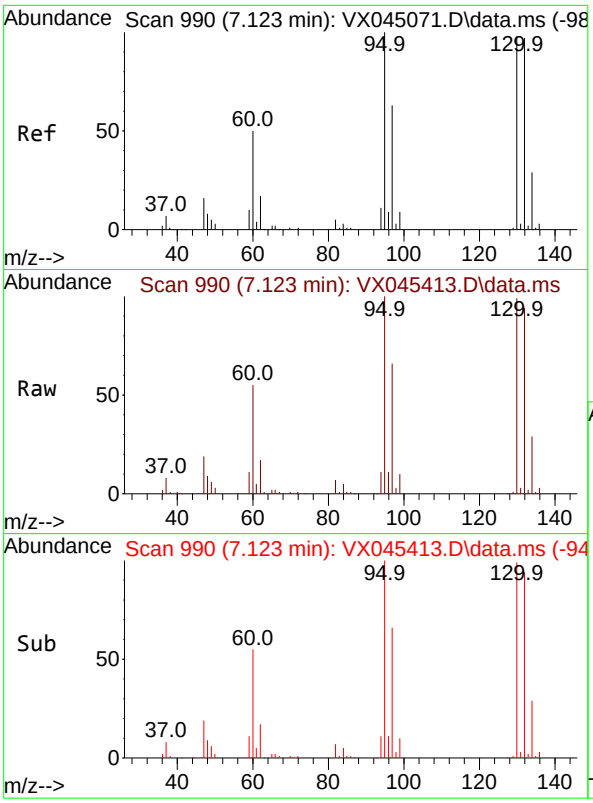


#35
Dibromofluoromethane
Concen: 52.002 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX045413.D
Acq: 24 Mar 2025 14:30

Tgt Ion:113 Resp: 45614

Ion	Ratio	Lower	Upper
113	100		
111	104.1	81.8	122.6
192	16.9	14.3	21.5



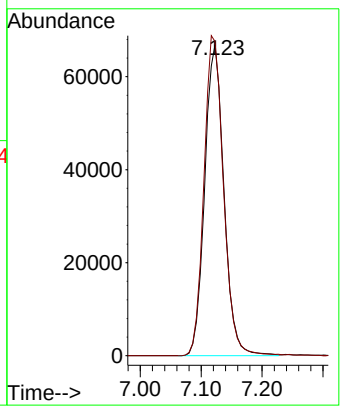


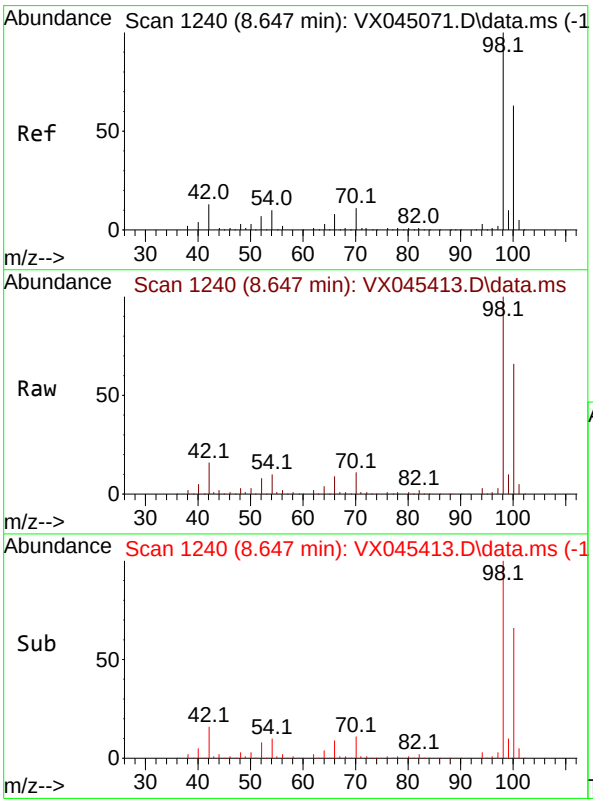
#44
Trichloroethene
Concen: 164.765 ug/l
RT: 7.123 min Scan# 9
Delta R.T. 0.000 min
Lab File: VX045413.D
Acq: 24 Mar 2025 14:30

Instrument :
MSVOA_X
ClientSampleId :
DUP08-20250318

Tgt Ion:130 Resp: 146962

Ion	Ratio	Lower	Upper
130	100		
95	101.1	0.0	205.0

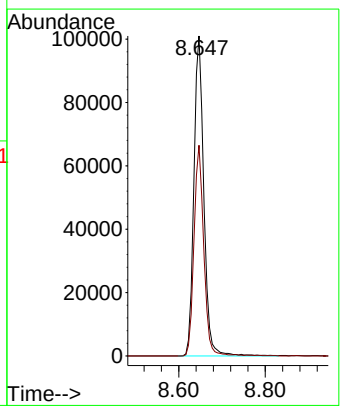


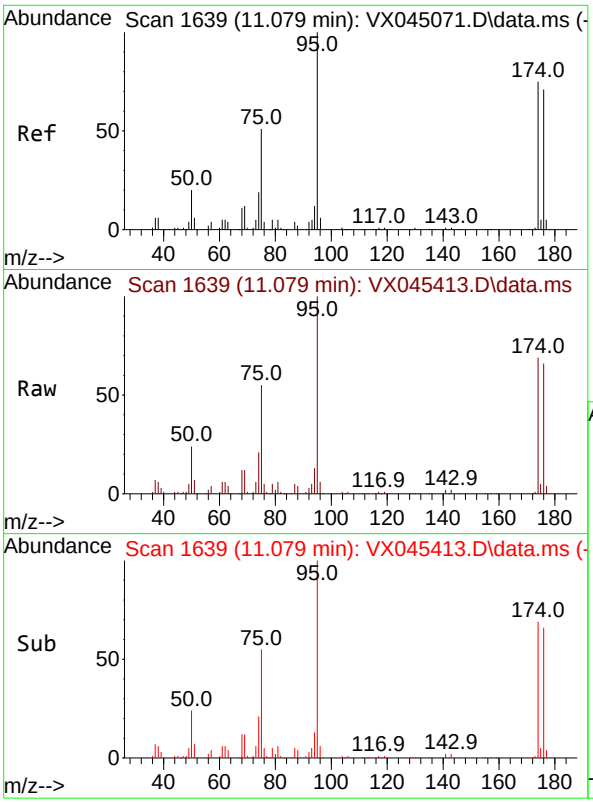


#50
Toluene-d8
Concen: 50.557 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX045413.D
Acq: 24 Mar 2025 14:30

Tgt Ion: 98 Resp: 160772

Ion	Ratio	Lower	Upper
98	100		
100	64.3	52.0	78.0



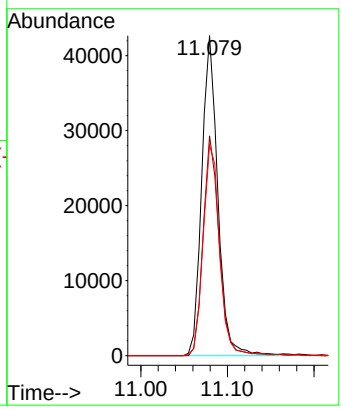


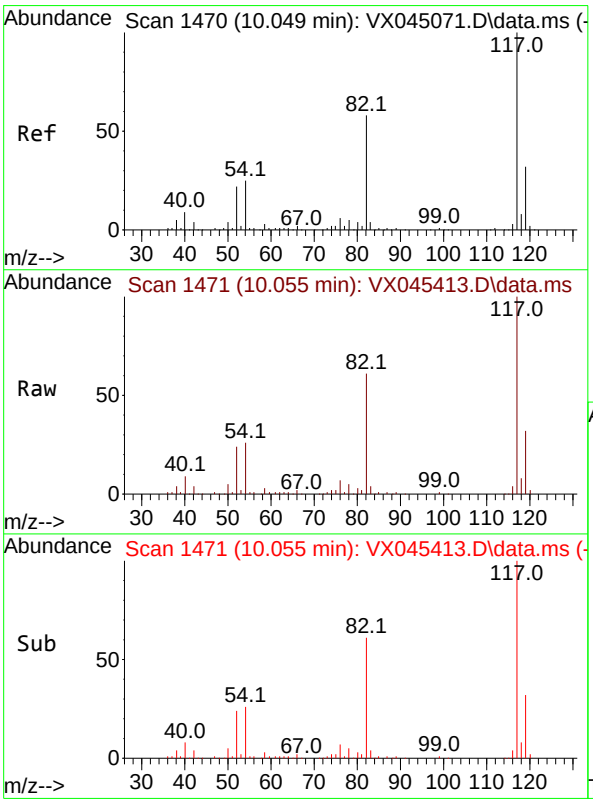
#62
4-Bromofluorobenzene
Concen: 52.099 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045413.D
Acq: 24 Mar 2025 14:30

Instrument :
MSVOA_X
ClientSampleId :
DUP08-20250318

Tgt Ion: 95 Resp: 54900

Ion	Ratio	Lower	Upper
95	100		
174	68.9	0.0	148.2
176	67.6	0.0	141.4

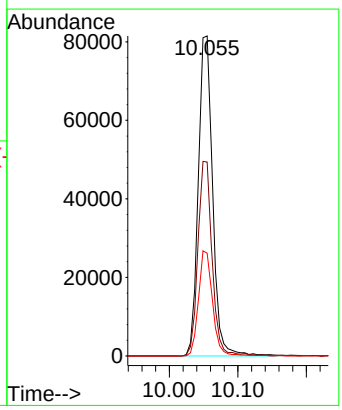


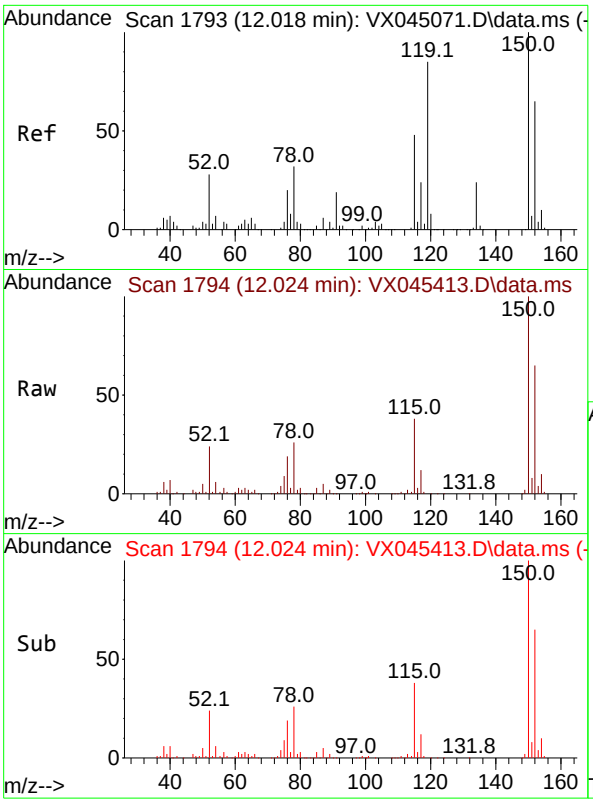


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VX045413.D
Acq: 24 Mar 2025 14:30

Tgt Ion:117 Resp: 119040

Ion	Ratio	Lower	Upper
117	100		
82	60.6	46.3	69.5
119	32.1	25.7	38.5



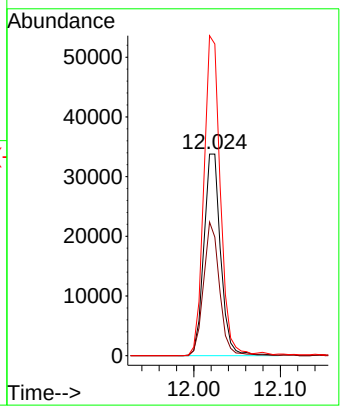


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045413.D
Acq: 24 Mar 2025 14:30

Instrument :
MSVOA_X
ClientSampleId :
DUP08-20250318

Tgt Ion:152 Resp: 45448

Ion	Ratio	Lower	Upper
152	100		
115	62.9	44.2	132.6
150	155.0	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:	03/18/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/19/25
Client Sample ID:	DUP08-20250318DL	SDG No.:	Q1608
Lab Sample ID:	Q1608-10DL	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
VX045435.D	4		03/25/25 13:12	VX032525

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	12.0	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	UDQ	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	150	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
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:	03/18/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/19/25
Client Sample ID:	DUP08-20250318DL	SDG No.:	Q1608
Lab Sample ID:	Q1608-10DL	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
VX045435.D	4		03/25/25 13:12	VX032525

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	2.00	UD	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	54.7		81 - 118		109%	SPK: 50
1868-53-7	Dibromofluoromethane	48.3		80 - 119		97%	SPK: 50
2037-26-5	Toluene-d8	47.8		89 - 112		96%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.4		85 - 114		101%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	66900	5.544				
540-36-3	1,4-Difluorobenzene	133000	6.757				
3114-55-4	Chlorobenzene-d5	121000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	49900	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:	03/18/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/19/25
Client Sample ID:	DUP08-20250318DL	SDG No.:	Q1608
Lab Sample ID:	Q1608-10DL	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
VX045435.D	4		03/25/25 13:12	VX032525

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\VX032525\
Data File : VX045435.D
Acq On : 25 Mar 2025 13:12
Operator : JC/MD
Sample : Q1608-10DL 4X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
DUP08-20250318DL

Quant Time: Mar 26 01:36:35 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

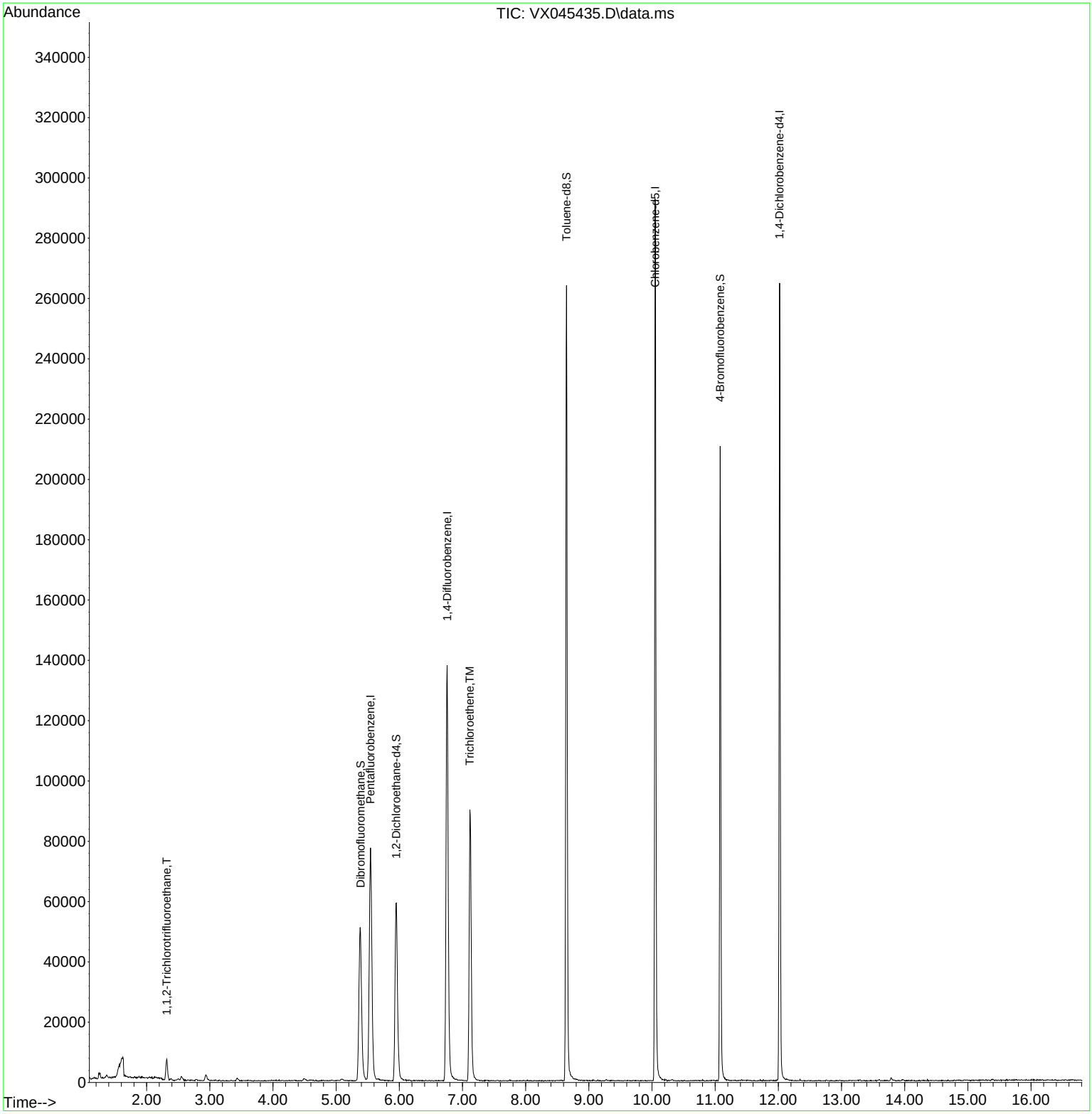
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	66948	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	133107	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	120920	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	49927	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	58279	54.727	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 109.460%			
35) Dibromofluoromethane	5.385	113	43017	48.331	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 96.660%			
50) Toluene-d8	8.647	98	154249	47.803	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 95.600%			
62) 4-Bromofluorobenzene	11.079	95	53940	50.447	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 100.900%			
Target Compounds						Qvalue
9) 1,1,2-Trichlorotrifluo...	2.319	101	2331	2.996	ug/l	97
44) Trichloroethene	7.117	130	33559	37.080	ug/l	99

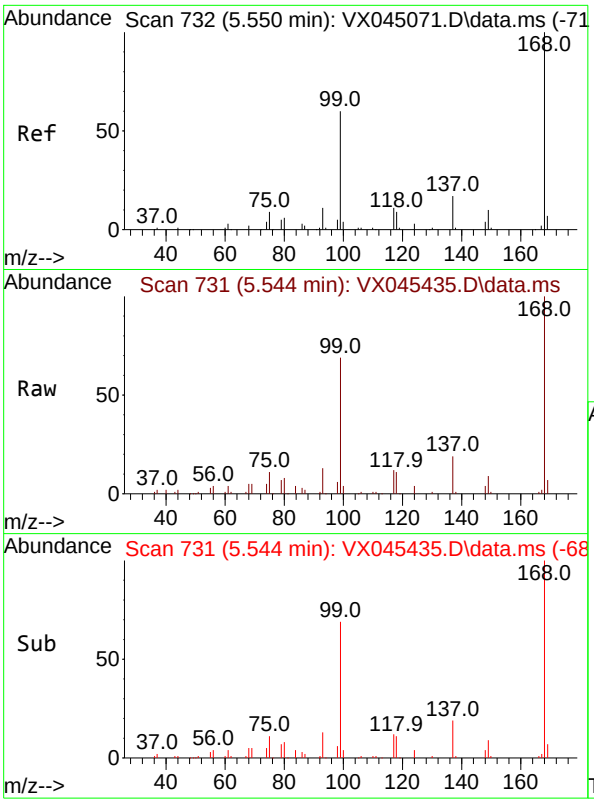
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032525\
Data File : VX045435.D
Acq On : 25 Mar 2025 13:12
Operator : JC/MD
Sample : Q1608-10DL 4X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
DUP08-20250318DL

Quant Time: Mar 26 01:36:35 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



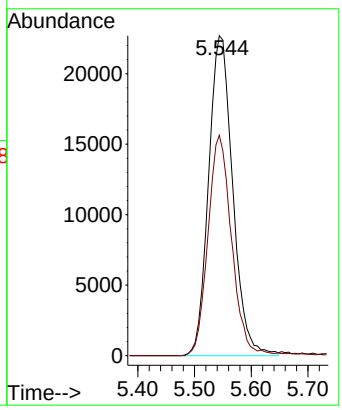


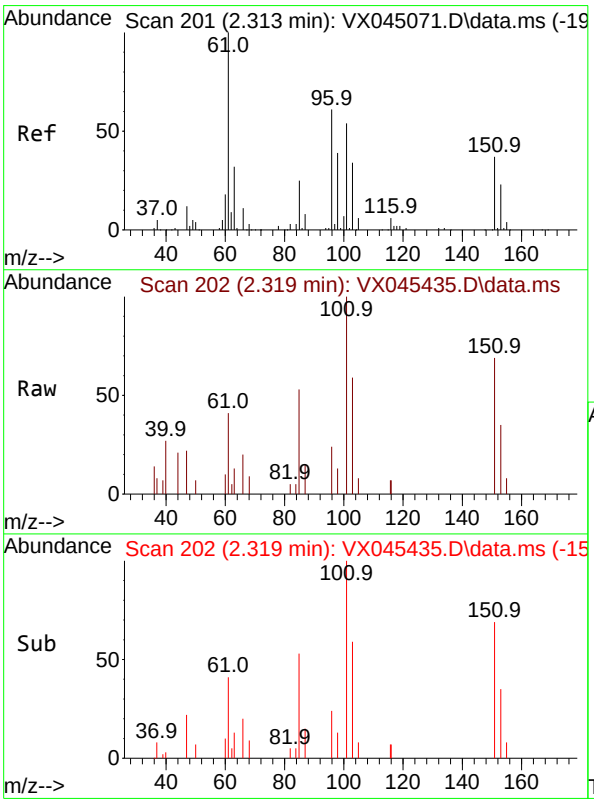
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045435.D
Acq: 25 Mar 2025 13:12

Instrument :
MSVOA_X
ClientSampleId :
DUP08-20250318DL

Tgt Ion:168 Resp: 66948

Ion	Ratio	Lower	Upper
168	100		
99	68.9	48.2	72.4

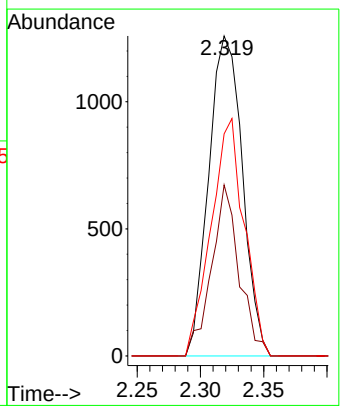


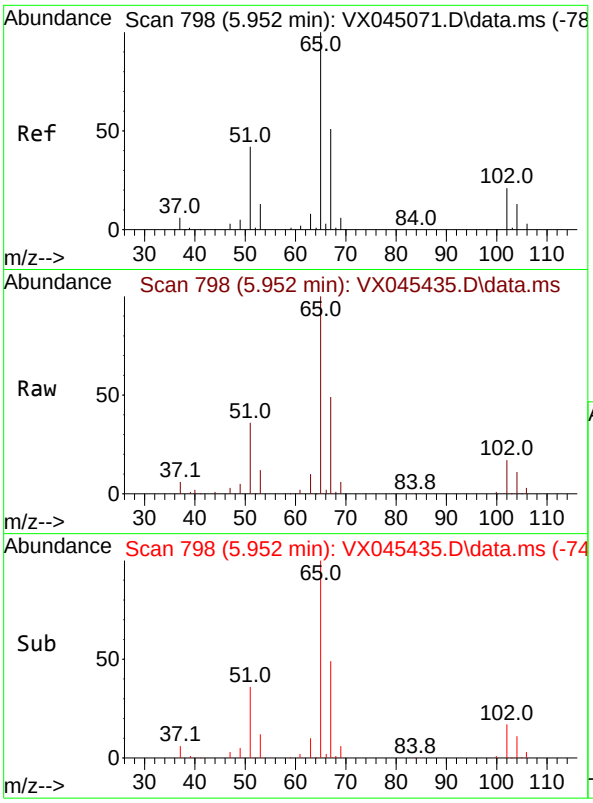


#9
1,1,2-Trichlorotrifluoroethane
Concen: 2.996 ug/l
RT: 2.319 min Scan# 202
Delta R.T. 0.006 min
Lab File: VX045435.D
Acq: 25 Mar 2025 13:12

Tgt Ion:101 Resp: 2331

Ion	Ratio	Lower	Upper
101	100		
85	44.0	36.2	54.4
151	73.2	56.4	84.6



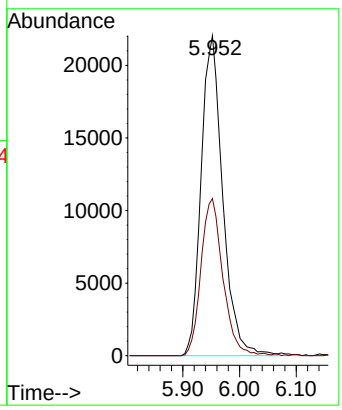


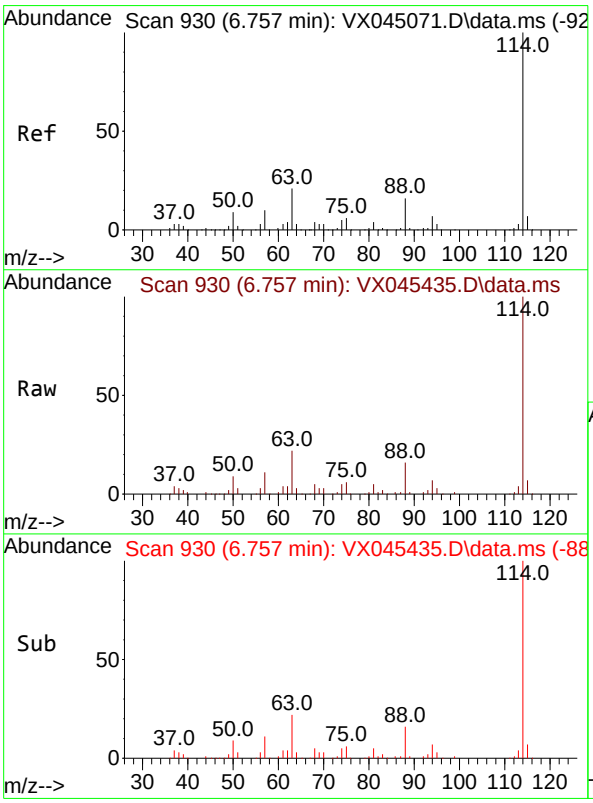
#33
1,2-Dichloroethane-d4
Concen: 54.727 ug/l
RT: 5.952 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX045435.D
Acq: 25 Mar 2025 13:12

Instrument :
MSVOA_X
ClientSampleId :
DUP08-20250318DL

Tgt Ion: 65 Resp: 58279

Ion	Ratio	Lower	Upper
65	100		
67	49.8	0.0	106.2

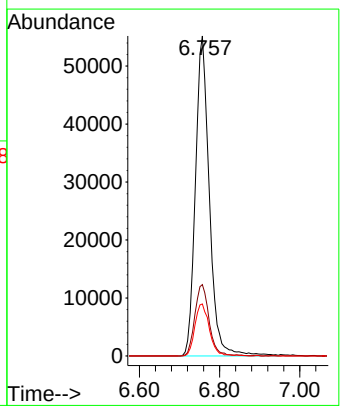


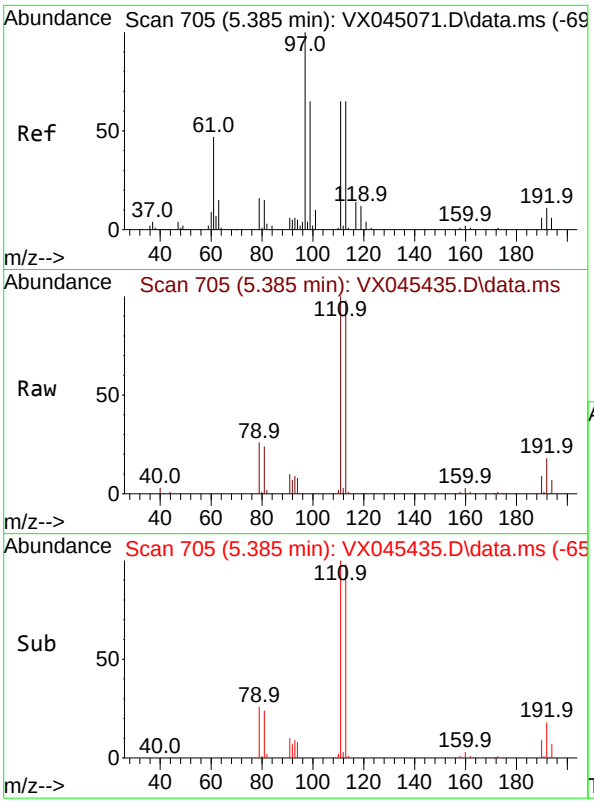


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX045435.D
Acq: 25 Mar 2025 13:12

Tgt Ion:114 Resp: 133107

Ion	Ratio	Lower	Upper
114	100		
63	22.3	0.0	41.8
88	16.2	0.0	32.8



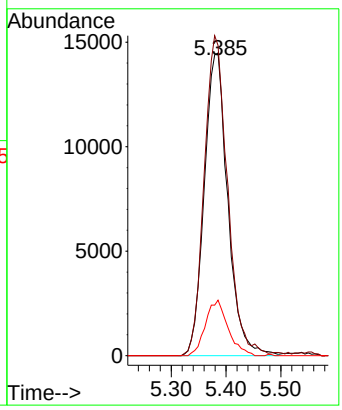


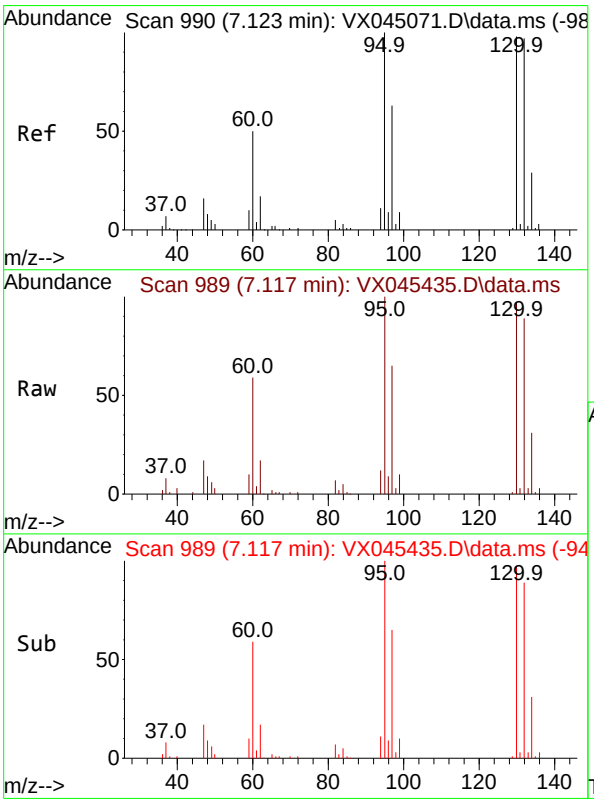
#35
Dibromofluoromethane
Concen: 48.331 ug/l
RT: 5.385 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX045435.D
Acq: 25 Mar 2025 13:12

Instrument :
MSVOA_X
ClientSampleId :
DUP08-20250318DL

Tgt Ion:113 Resp: 43017

Ion	Ratio	Lower	Upper
113	100		
111	105.3	81.8	122.6
192	17.7	14.3	21.5

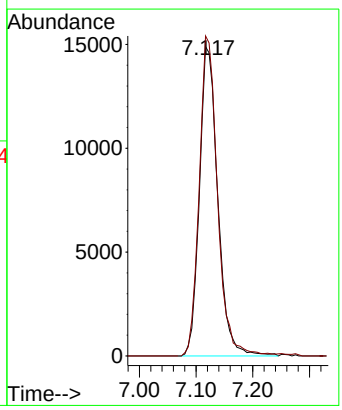


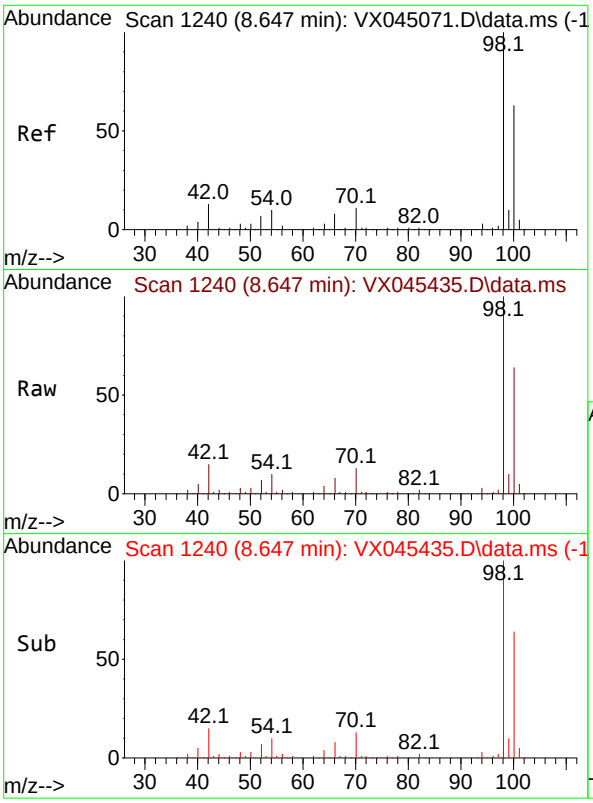


#44
Trichloroethene
Concen: 37.080 ug/l
RT: 7.117 min Scan# 989
Delta R.T. -0.006 min
Lab File: VX045435.D
Acq: 25 Mar 2025 13:12

Tgt Ion:130 Resp: 33559

Ion	Ratio	Lower	Upper
130	100		
95	103.5	0.0	205.0



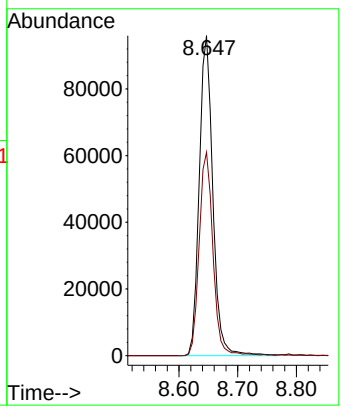


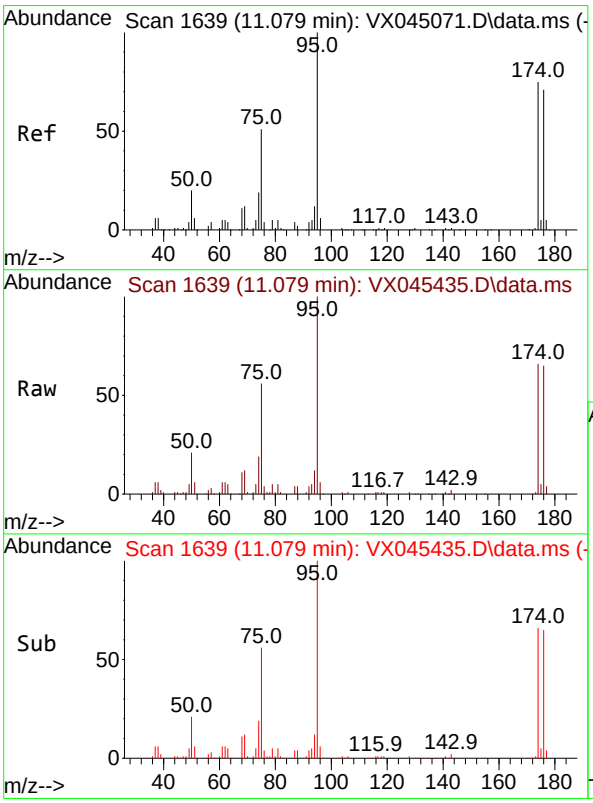
#50
Toluene-d8
Concen: 47.803 ug/l
RT: 8.647 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045435.D
Acq: 25 Mar 2025 13:12

Instrument :
MSVOA_X
ClientSampleId :
DUP08-20250318DL

Tgt Ion: 98 Resp: 154249

Ion	Ratio	Lower	Upper
98	100		
100	64.6	52.0	78.0

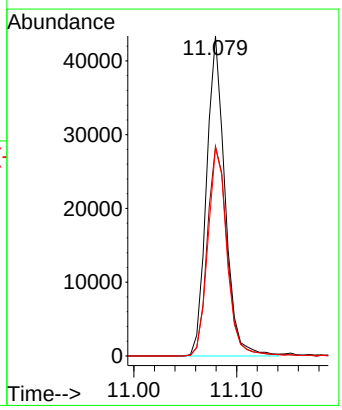


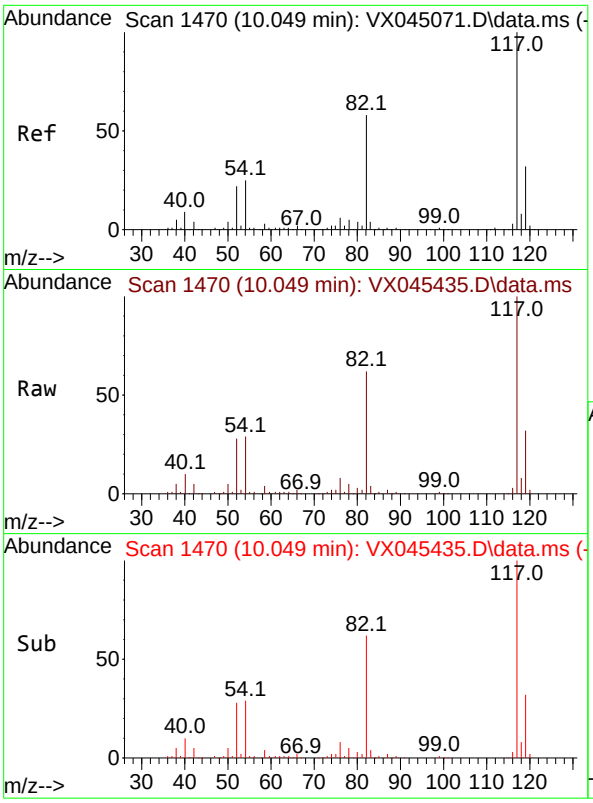


#62
4-Bromofluorobenzene
Concen: 50.447 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX045435.D
Acq: 25 Mar 2025 13:12

Tgt Ion: 95 Resp: 53940

Ion	Ratio	Lower	Upper
95	100		
174	70.6	0.0	148.2
176	67.5	0.0	141.4



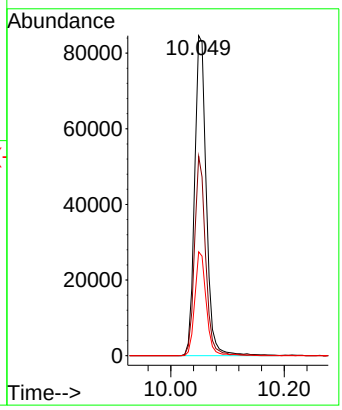


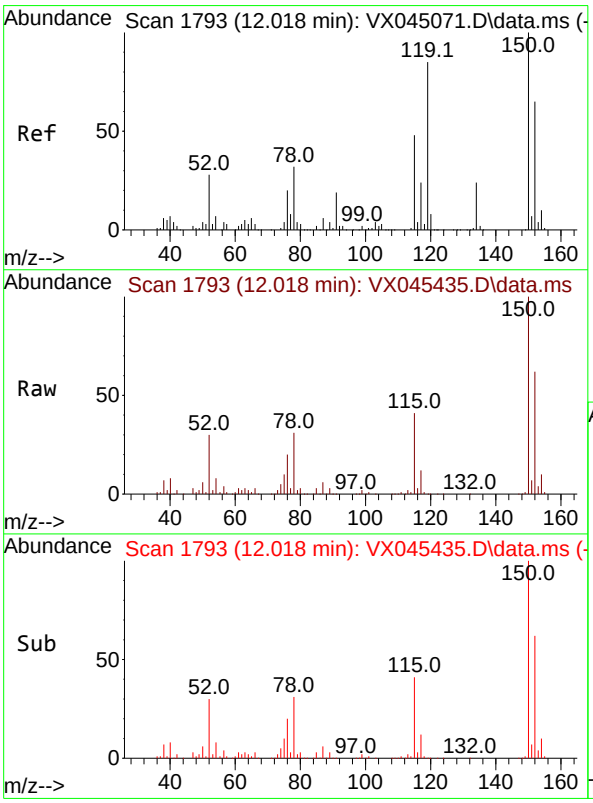
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045435.D
Acq: 25 Mar 2025 13:12

Instrument :
MSVOA_X
ClientSampleId :
DUP08-20250318DL

Tgt Ion:117 Resp: 120920

Ion	Ratio	Lower	Upper
117	100		
82	62.3	46.3	69.5
119	32.5	25.7	38.5

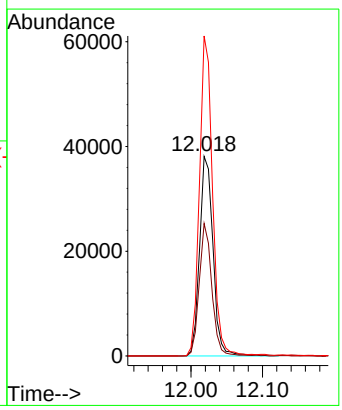




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX045435.D
Acq: 25 Mar 2025 13:12

Tgt Ion:152 Resp: 49927

Ion	Ratio	Lower	Upper
152	100		
115	62.2	44.2	132.6
150	155.6	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:	03/18/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/19/25
Client Sample ID:	RE132D1-20250318	SDG No.:	Q1608
Lab Sample ID:	Q1608-11	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
VX045452.D	1		03/25/25 19:51	VX032525

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	4.90		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.74	J	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	0.76	J	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	UQ	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	2.20		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	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	140		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:	03/18/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/19/25
Client Sample ID:	RE132D1-20250318	SDG No.:	Q1608
Lab Sample ID:	Q1608-11	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
VX045452.D	1		03/25/25 19:51	VX032525

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	4.50		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	52.8		81 - 118		106%	SPK: 50
1868-53-7	Dibromofluoromethane	48.4		80 - 119		97%	SPK: 50
2037-26-5	Toluene-d8	46.5		89 - 112		93%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.3		85 - 114		97%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	72200	5.544				
540-36-3	1,4-Difluorobenzene	140000	6.757				
3114-55-4	Chlorobenzene-d5	126000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	48200	12.018				

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Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	03/18/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/19/25
Client Sample ID:	RE132D1-20250318	SDG No.:	Q1608
Lab Sample ID:	Q1608-11	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
VX045452.D	1		03/25/25 19:51	VX032525

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\VX032525\
Data File : VX045452.D
Acq On : 25 Mar 2025 19:51
Operator : JC/MD
Sample : Q1608-11
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318

Quant Time: Mar 26 01:45:12 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

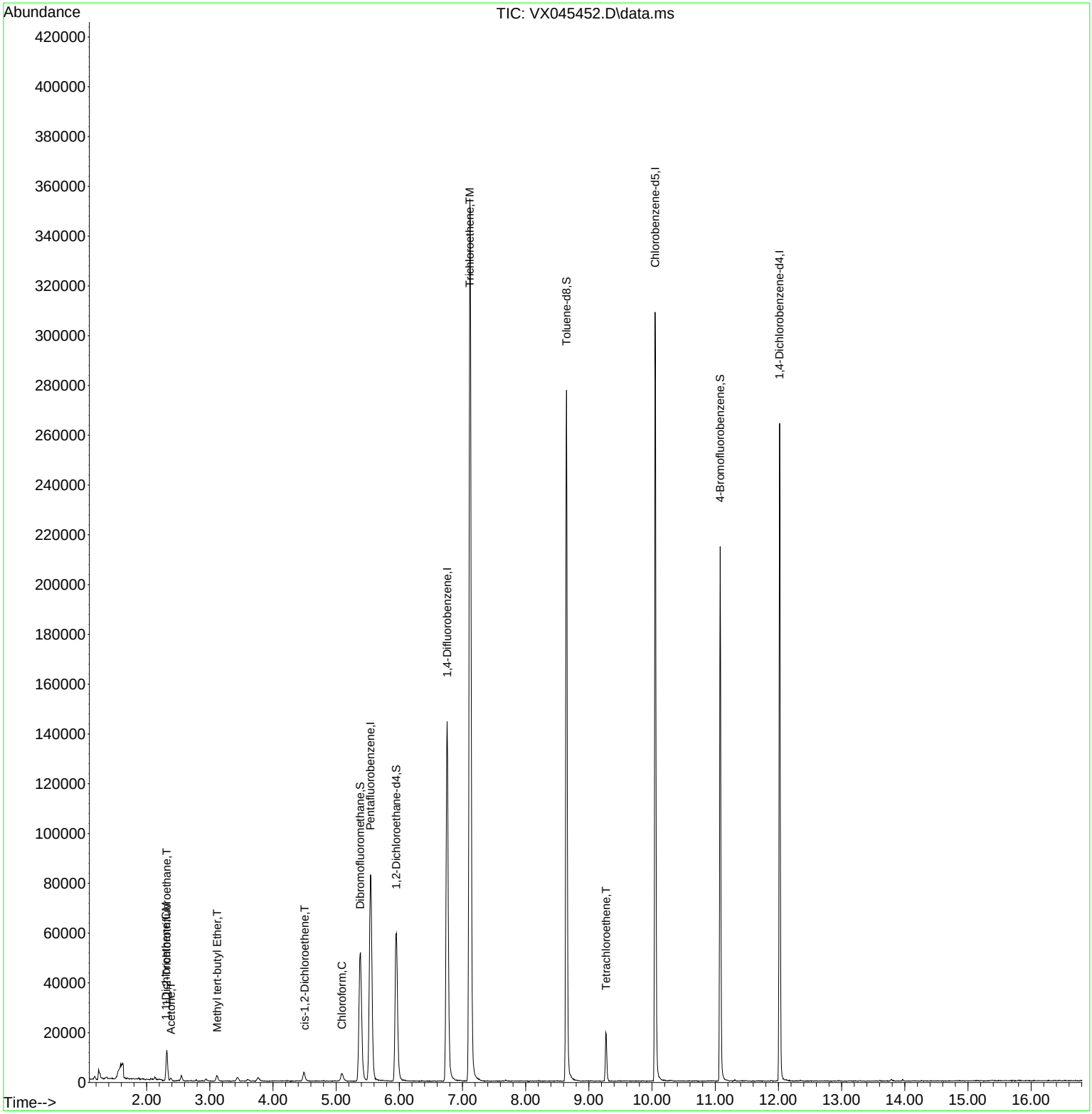
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	72182	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	140177	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	126304	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	48163	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	60650	52.824	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 105.640%			
35) Dibromofluoromethane	5.379	113	45356	48.389	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 96.780%			
50) Toluene-d8	8.647	98	157998	46.495	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 93.000%			
62) 4-Bromofluorobenzene	11.079	95	54366	48.281	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 96.560%			
Target Compounds						Qvalue
9) 1,1,2-Trichlorotrifluo...	2.319	101	4131	4.924	ug/l	99
12) 1,1-Dichloroethene	2.307	96	652	0.735	ug/l	91
16) Acetone	2.386	43	926	1.738	ug/l	94
19) Methyl tert-butyl Ether	3.117	73	2254	0.757	ug/l	99
27) cis-1,2-Dichloroethene	4.501	96	2326	2.150	ug/l	88
30) Chloroform	5.093	83	3811	2.131	ug/l	92
44) Trichloroethene	7.117	130	129756	136.137	ug/l	95
64) Tetrachloroethene	9.275	164	3620	4.475	ug/l	94

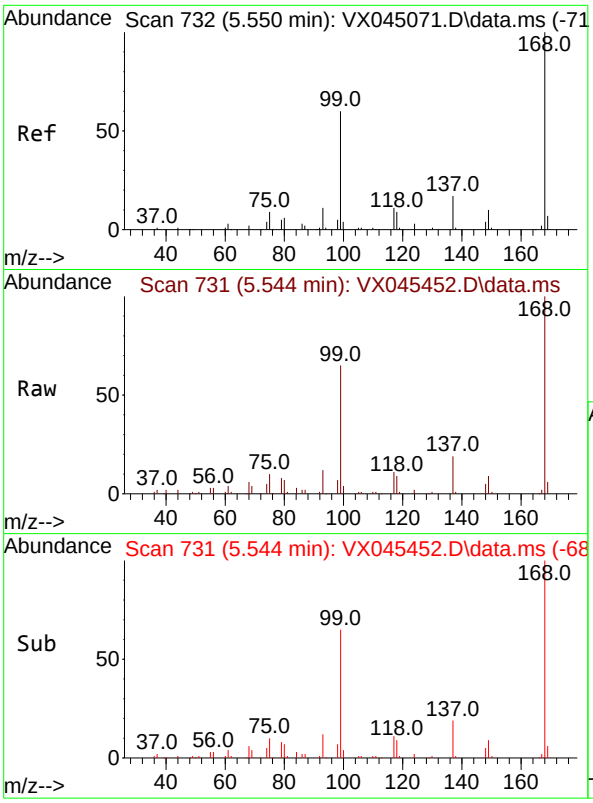
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032525\
Data File : VX045452.D
Acq On : 25 Mar 2025 19:51
Operator : JC/MD
Sample : Q1608-11
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318

Quant Time: Mar 26 01:45:12 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



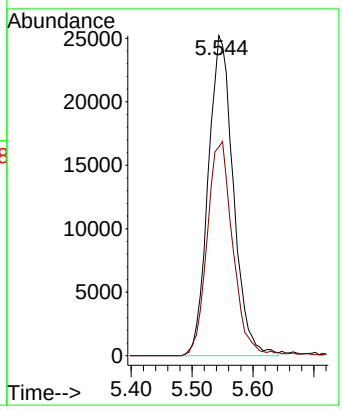


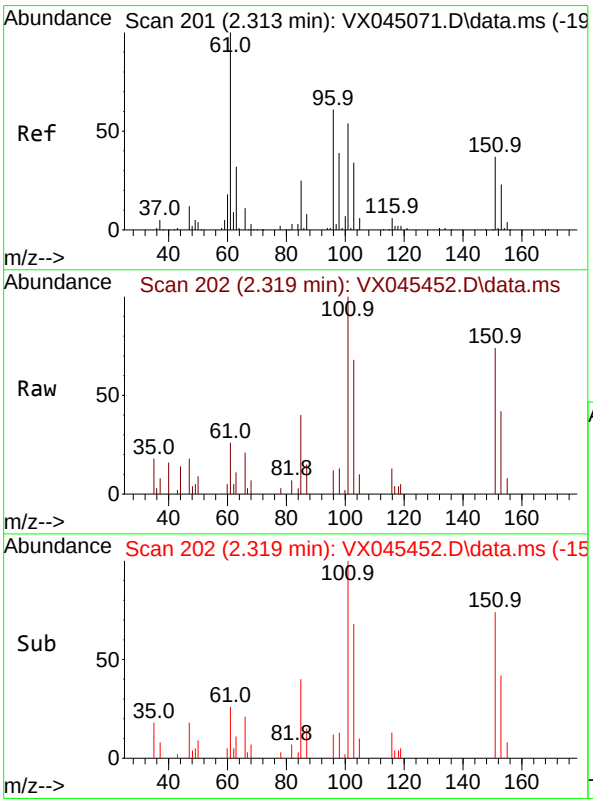
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045452.D
Acq: 25 Mar 2025 19:51

Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318

Tgt Ion:168 Resp: 72182

Ion	Ratio	Lower	Upper
168	100		
99	65.2	48.2	72.4

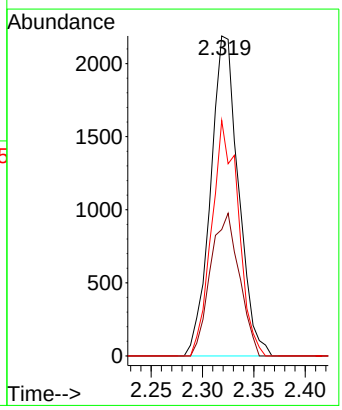


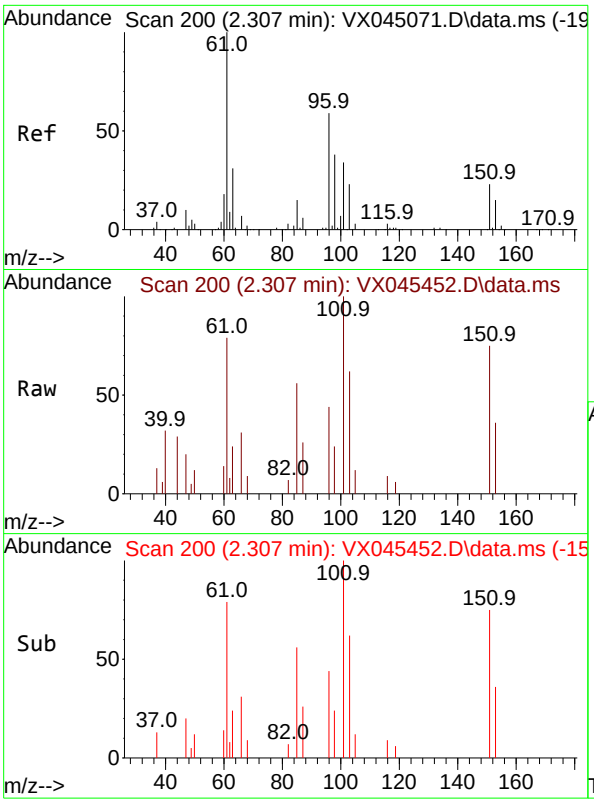


#9
1,1,2-Trichlorotrifluoroethane
Concen: 4.924 ug/l
RT: 2.319 min Scan# 202
Delta R.T. 0.006 min
Lab File: VX045452.D
Acq: 25 Mar 2025 19:51

Tgt Ion:101 Resp: 4131

Ion	Ratio	Lower	Upper
101	100		
85	46.1	36.2	54.4
151	70.3	56.4	84.6



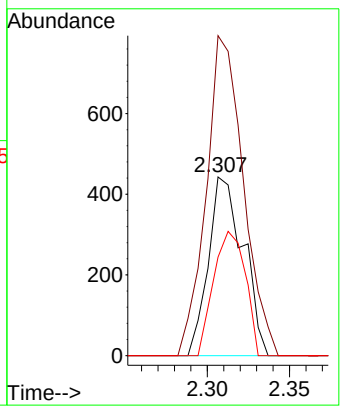


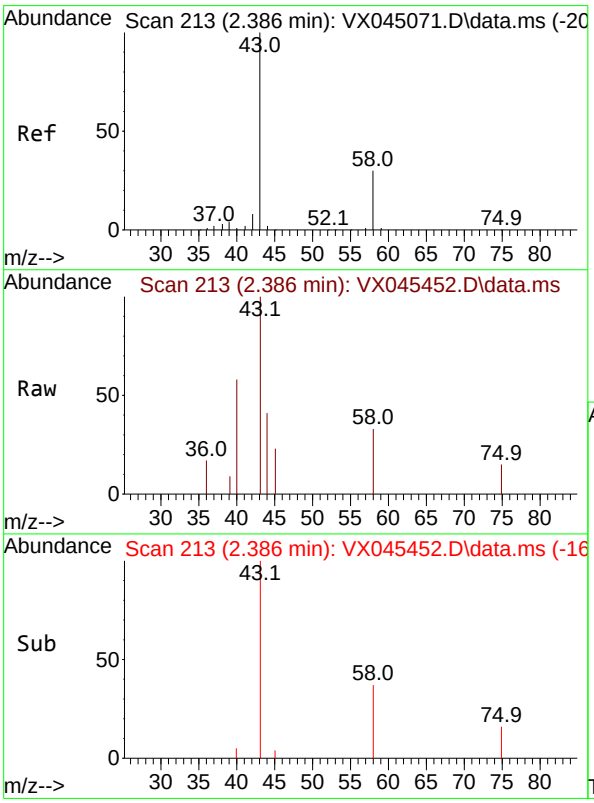
#12
1,1-Dichloroethene
Concen: 0.735 ug/l
RT: 2.307 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045452.D
Acq: 25 Mar 2025 19:51

Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318

Tgt Ion: 96 Resp: 652

Ion	Ratio	Lower	Upper
96	100		
61	179.0	134.6	202.0
98	55.1	51.0	76.6

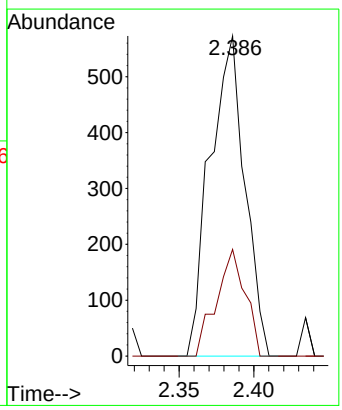


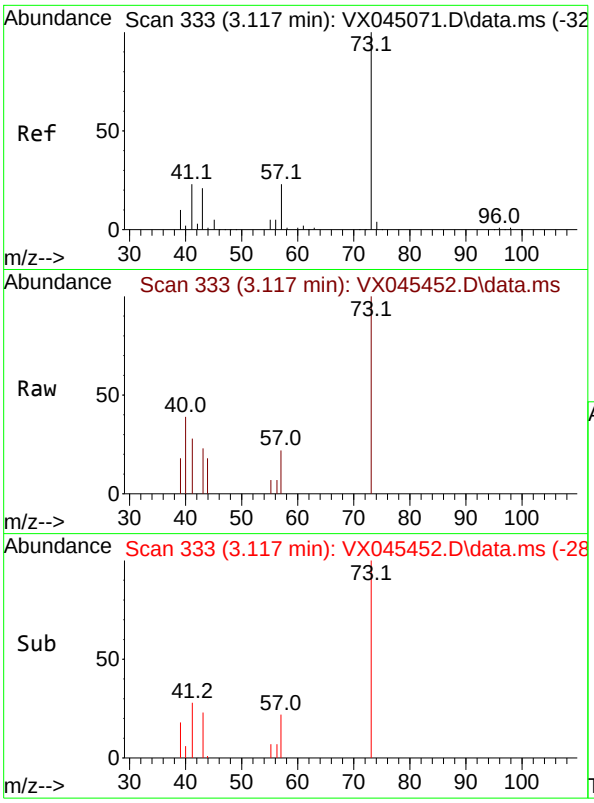


#16
Acetone
Concen: 1.738 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX045452.D
Acq: 25 Mar 2025 19:51

Tgt Ion: 43 Resp: 926

Ion	Ratio	Lower	Upper
43	100		
58	33.3	24.2	36.4



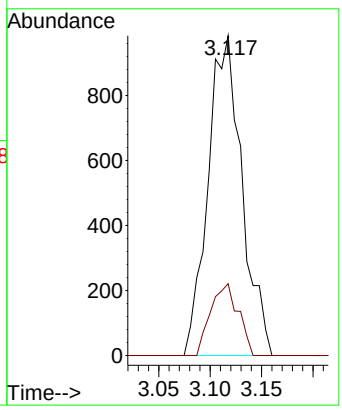


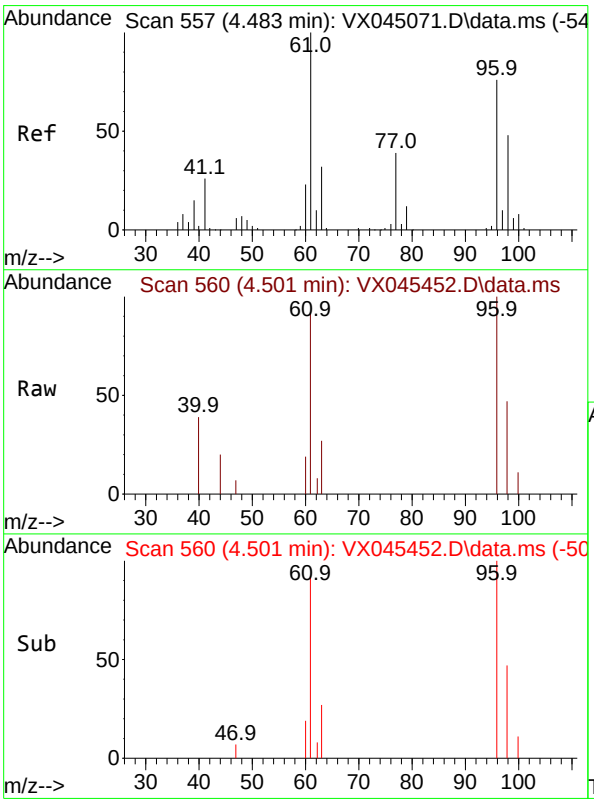
#19
Methyl tert-butyl Ether
Concen: 0.757 ug/l
RT: 3.117 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045452.D
Acq: 25 Mar 2025 19:51

Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318

Tgt Ion: 73 Resp: 2254

Ion	Ratio	Lower	Upper
73	100		
57	22.5	18.5	27.7

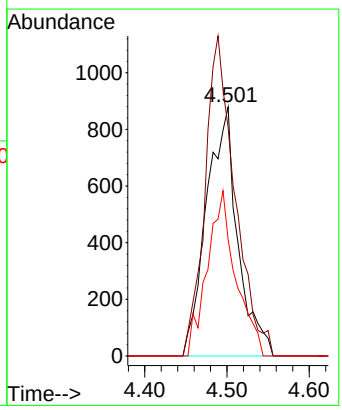


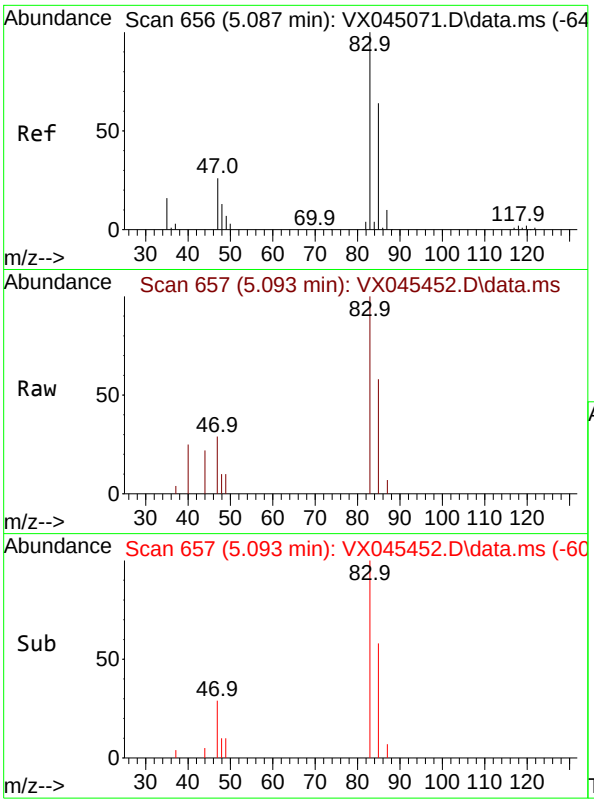


#27
cis-1,2-Dichloroethene
Concen: 2.150 ug/l
RT: 4.501 min Scan# 560
Delta R.T. 0.018 min
Lab File: VX045452.D
Acq: 25 Mar 2025 19:51

Tgt Ion: 96 Resp: 2326

Ion	Ratio	Lower	Upper
96	100		
61	122.9	0.0	283.2
98	60.4	0.0	128.0



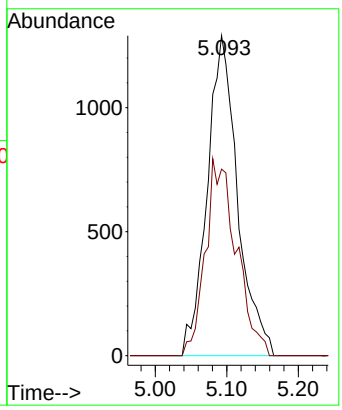


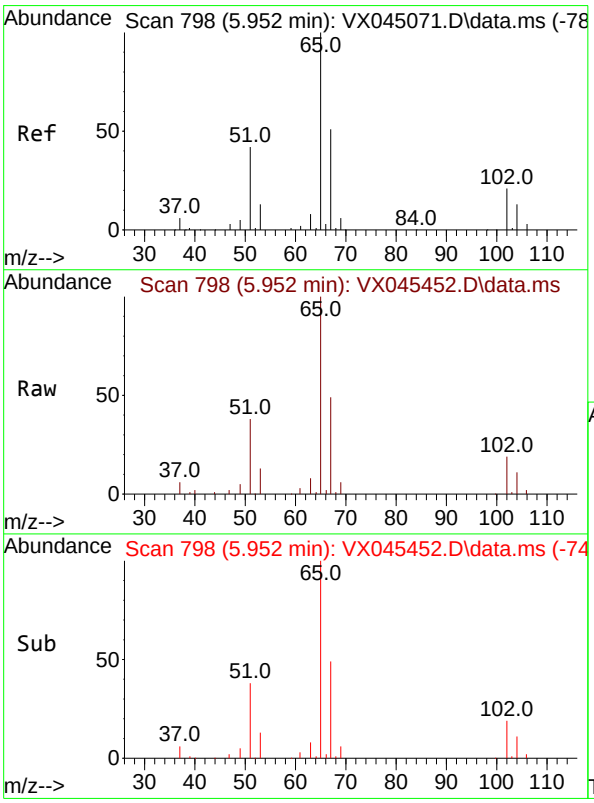
#30
Chloroform
Concen: 2.131 ug/l
RT: 5.093 min Scan# 6
Delta R.T. 0.006 min
Lab File: VX045452.D
Acq: 25 Mar 2025 19:51

Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318

Tgt Ion: 83 Resp: 3811

Ion	Ratio	Lower	Upper
83	100		
85	58.3	51.4	77.2

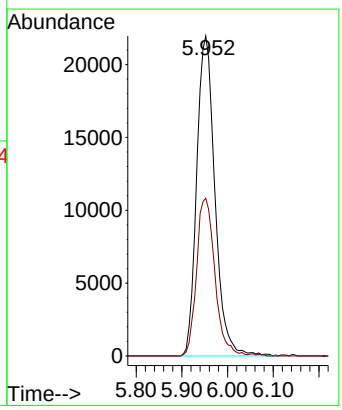


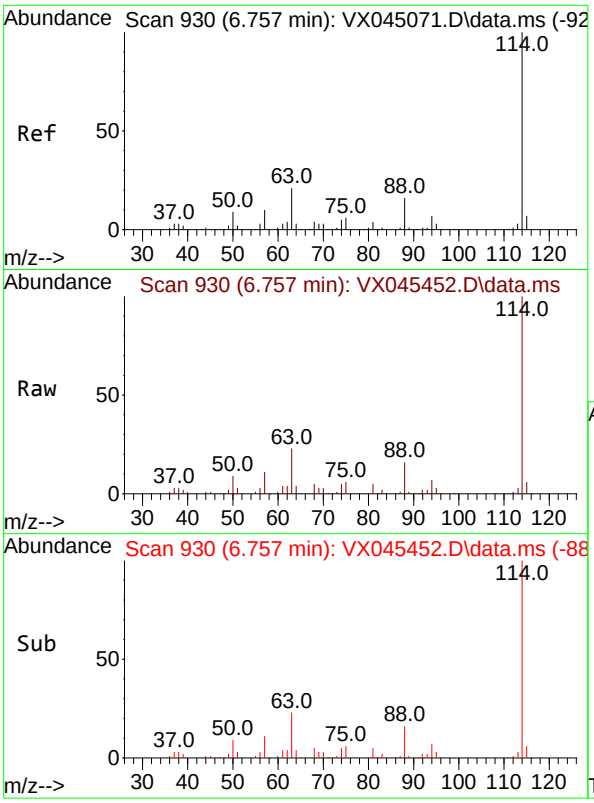


#33
1,2-Dichloroethane-d4
Concen: 52.824 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX045452.D
Acq: 25 Mar 2025 19:51

Tgt Ion: 65 Resp: 60650

Ion	Ratio	Lower	Upper
65	100		
67	49.6	0.0	106.2



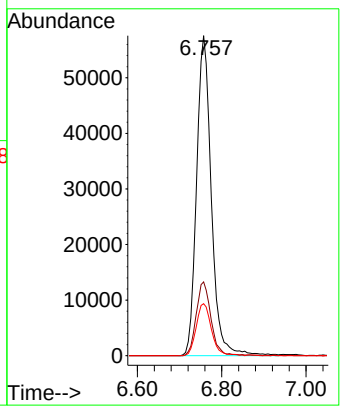


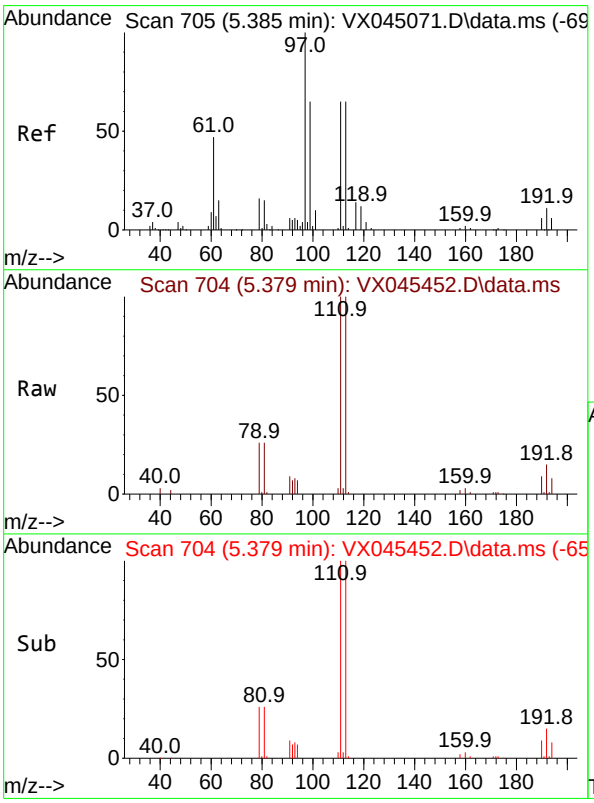
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 9
Delta R.T. 0.000 min
Lab File: VX045452.D
Acq: 25 Mar 2025 19:51

Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318

Tgt Ion:114 Resp: 140177

Ion	Ratio	Lower	Upper
114	100		
63	23.0	0.0	41.8
88	16.2	0.0	32.8

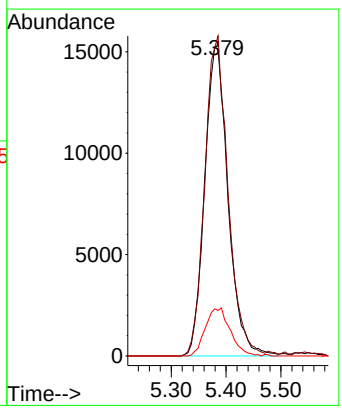


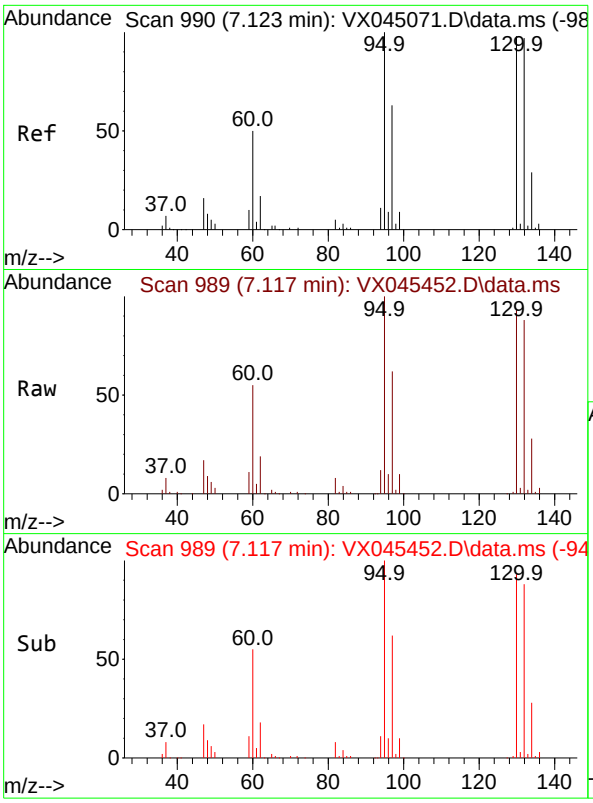


#35
Dibromofluoromethane
Concen: 48.389 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX045452.D
Acq: 25 Mar 2025 19:51

Tgt Ion:113 Resp: 45356

Ion	Ratio	Lower	Upper
113	100		
111	102.2	81.8	122.6
192	16.4	14.3	21.5



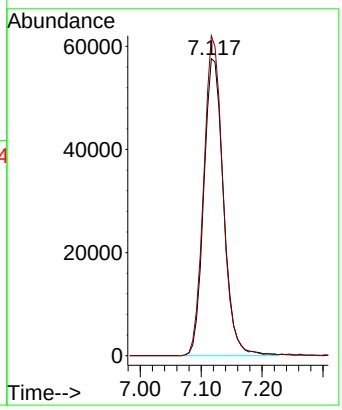


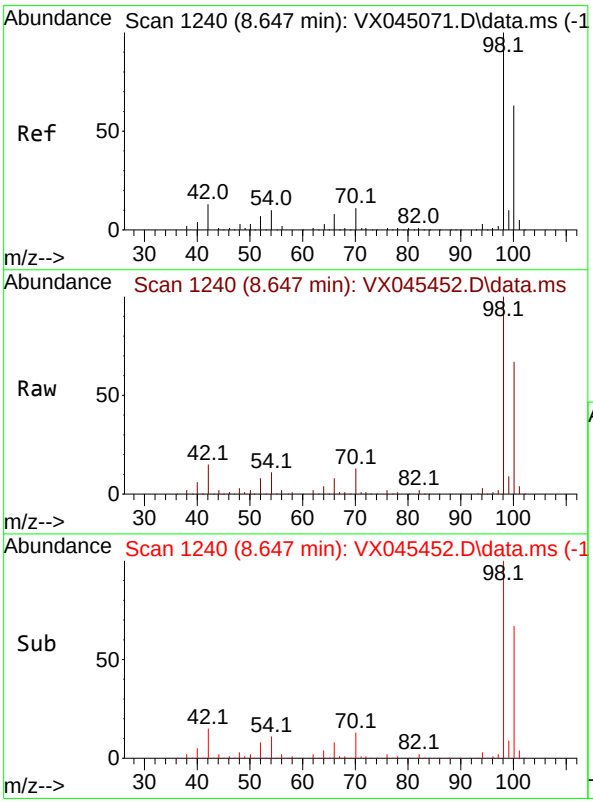
#44
Trichloroethene
Concen: 136.137 ug/l
RT: 7.117 min Scan# 9
Delta R.T. -0.006 min
Lab File: VX045452.D
Acq: 25 Mar 2025 19:51

Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318

Tgt Ion:130 Resp: 129756

Ion	Ratio	Lower	Upper
130	100		
95	107.8	0.0	205.0

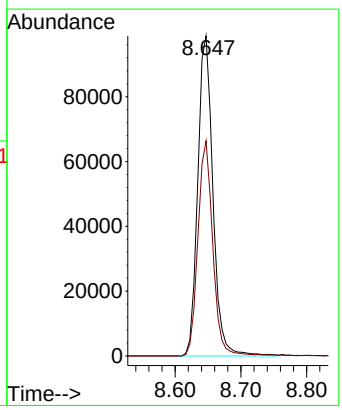


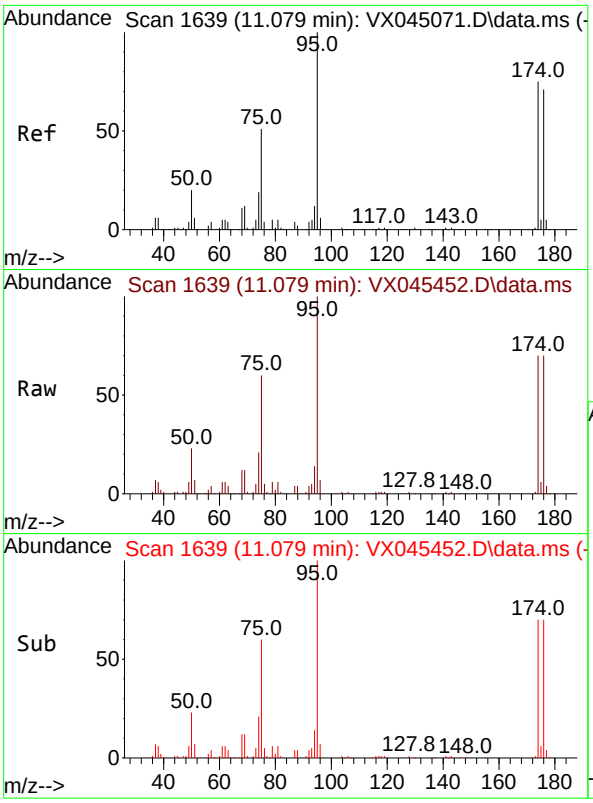


#50
Toluene-d8
Concen: 46.495 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX045452.D
Acq: 25 Mar 2025 19:51

Tgt Ion: 98 Resp: 157998

Ion	Ratio	Lower	Upper
98	100		
100	66.3	52.0	78.0



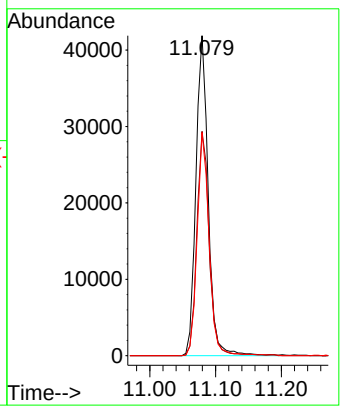


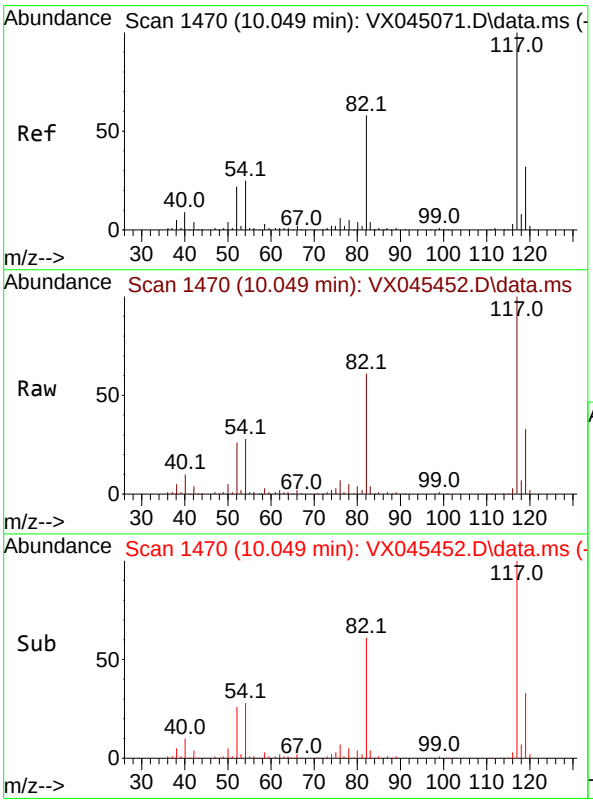
#62
4-Bromofluorobenzene
Concen: 48.281 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045452.D
Acq: 25 Mar 2025 19:51

Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318

Tgt Ion: 95 Resp: 54366

Ion	Ratio	Lower	Upper
95	100		
174	70.4	0.0	148.2
176	67.9	0.0	141.4

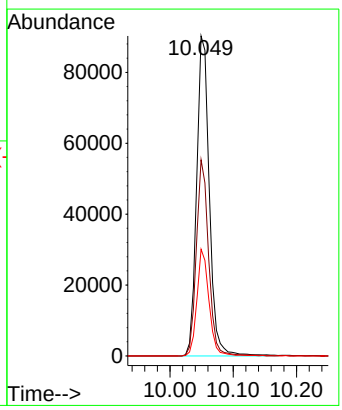


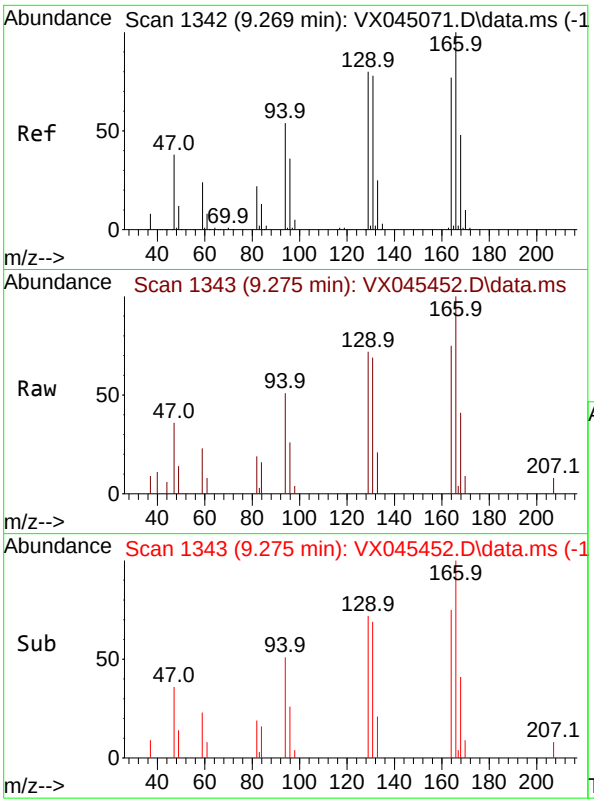


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX045452.D
Acq: 25 Mar 2025 19:51

Tgt Ion:117 Resp: 126304

Ion	Ratio	Lower	Upper
117	100		
82	61.3	46.3	69.5
119	33.3	25.7	38.5



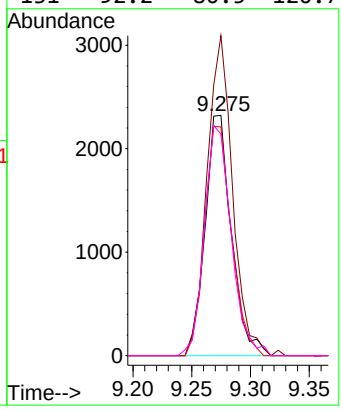


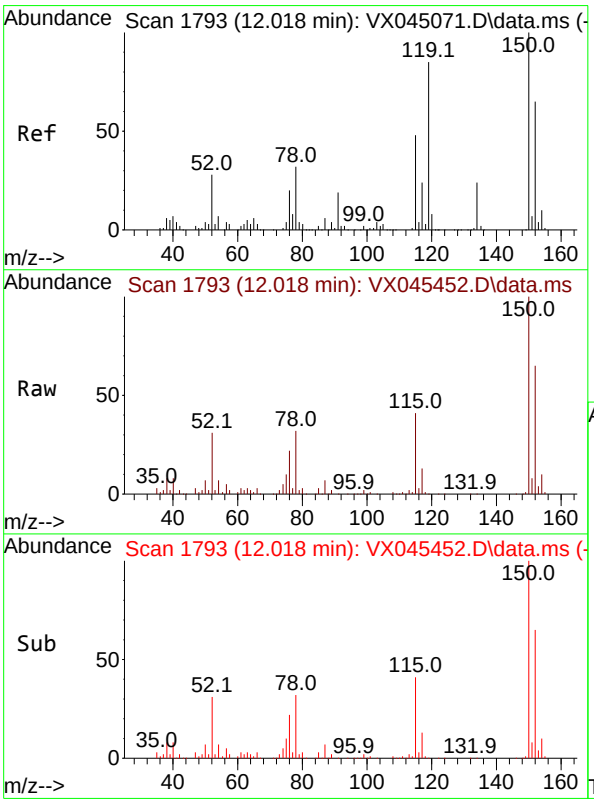
#64
Tetrachloroethene
Concen: 4.475 ug/l
RT: 9.275 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045452.D
Acq: 25 Mar 2025 19:51

Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318

Tgt Ion:164 Resp: 3620

Ion	Ratio	Lower	Upper
164	100		
166	133.2	103.6	155.4
129	95.2	82.7	124.1
131	92.2	80.5	120.7

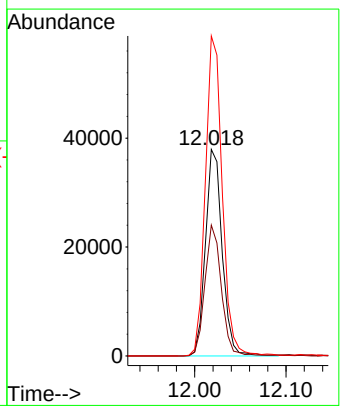




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX045452.D
Acq: 25 Mar 2025 19:51

Tgt Ion:152 Resp: 48163

Ion	Ratio	Lower	Upper
152	100		
115	62.6	44.2	132.6
150	156.3	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:	03/18/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/19/25
Client Sample ID:	RE132D2-20250318	SDG No.:	Q1608
Lab Sample ID:	Q1608-14	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
VX045414.D	1		03/24/25 14:54	VX032425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	1.90		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	4.90		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	1.80	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	1.20		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:	03/18/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/19/25
Client Sample ID:	RE132D2-20250318	SDG No.:	Q1608
Lab Sample ID:	Q1608-14	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
VX045414.D	1		03/24/25 14:54	VX032425

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	53.3		80 - 119		107%	SPK: 50
2037-26-5	Toluene-d8	50.6		89 - 112		101%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.6		85 - 114		107%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	66900	5.544				
540-36-3	1,4-Difluorobenzene	130000	6.757				
3114-55-4	Chlorobenzene-d5	120000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	48500	12.024				

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Fax : 908 789 8922

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	03/18/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/19/25
Client Sample ID:	RE132D2-20250318	SDG No.:	Q1608
Lab Sample ID:	Q1608-14	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
VX045414.D	1		03/24/25 14:54	VX032425

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\VX032425\
Data File : VX045414.D
Acq On : 24 Mar 2025 14:54
Operator : JC/MD
Sample : Q1608-14
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RE132D2-20250318

Quant Time: Mar 25 01:34:48 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

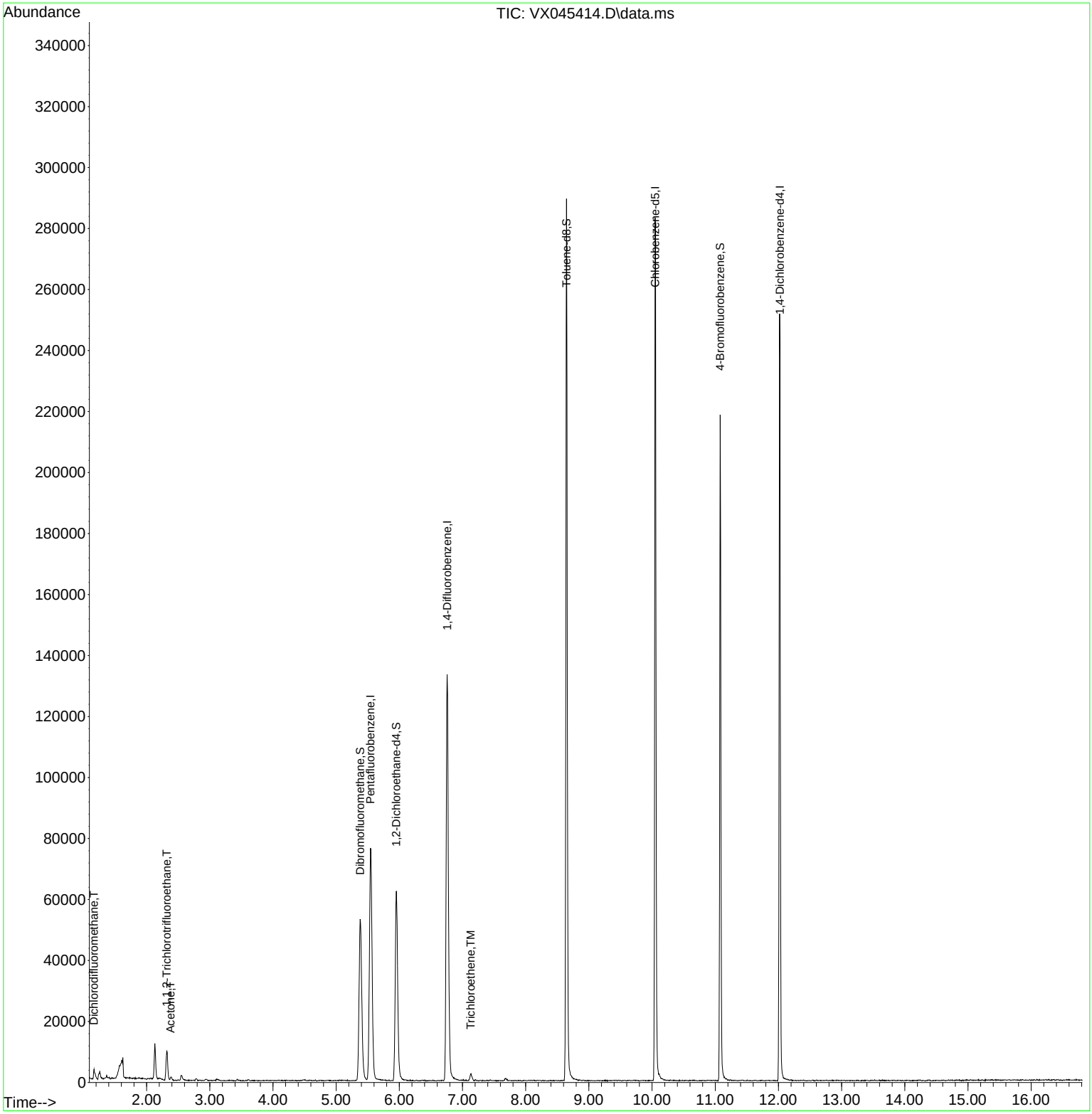
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	66901	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	130401	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	119535	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	48538	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	61019	57.340	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 114.680%			
35) Dibromofluoromethane	5.379	113	46462	53.285	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.560%			
50) Toluene-d8	8.647	98	159947	50.598	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.200%			
62) 4-Bromofluorobenzene	11.079	95	56165	53.618	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 107.240%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	1624	1.928	ug/l	89
9) 1,1,2-Trichlorotrifluo...	2.319	101	3818	4.910	ug/l	96
16) Acetone	2.380	43	879	1.780	ug/l	92
44) Trichloroethene	7.129	130	1028	1.159	ug/l	62

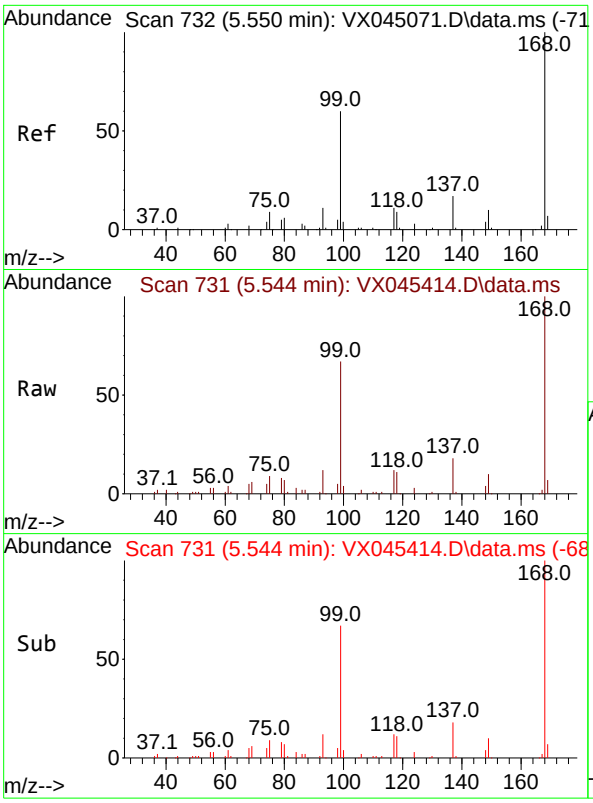
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032425\
Data File : VX045414.D
Acq On : 24 Mar 2025 14:54
Operator : JC/MD
Sample : Q1608-14
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RE132D2-20250318

Quant Time: Mar 25 01:34:48 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



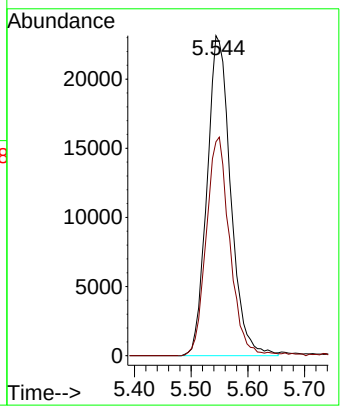


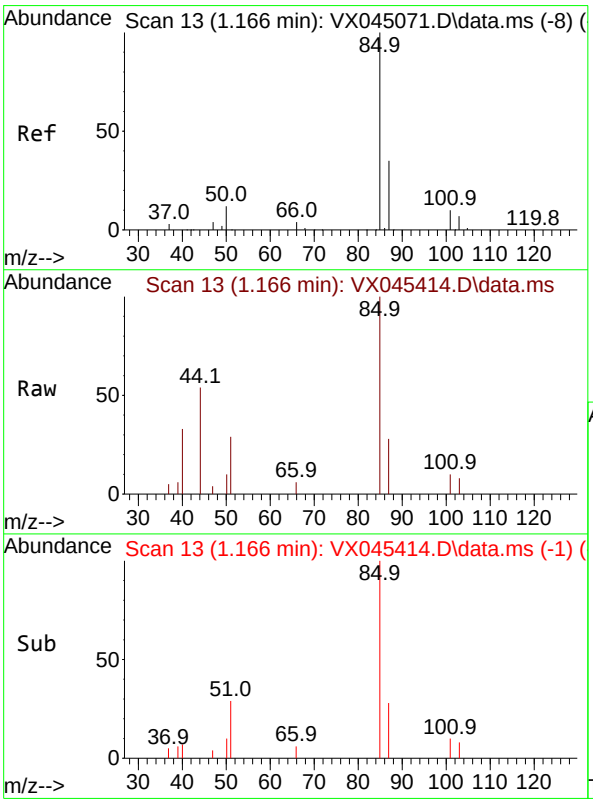
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045414.D
Acq: 24 Mar 2025 14:54

Instrument :
MSVOA_X
ClientSampleId :
RE132D2-20250318

Tgt Ion:168 Resp: 66901

Ion	Ratio	Lower	Upper
168	100		
99	66.9	48.2	72.4

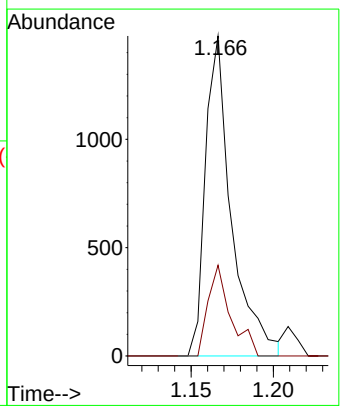


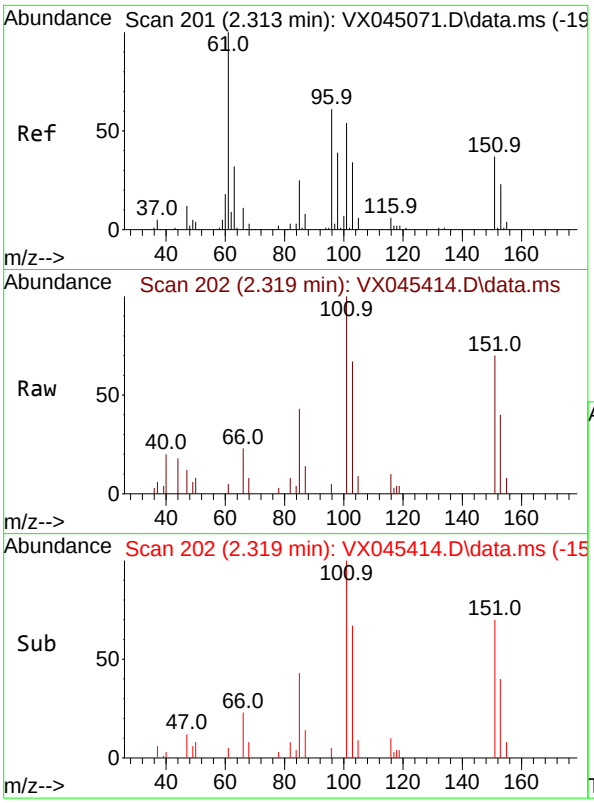


#2
Dichlorodifluoromethane
Concen: 1.928 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX045414.D
Acq: 24 Mar 2025 14:54

Tgt Ion: 85 Resp: 1624

Ion	Ratio	Lower	Upper
85	100		
87	28.4	17.4	52.3



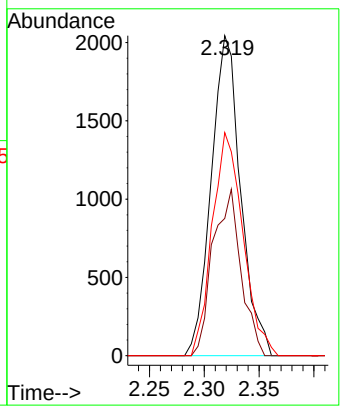


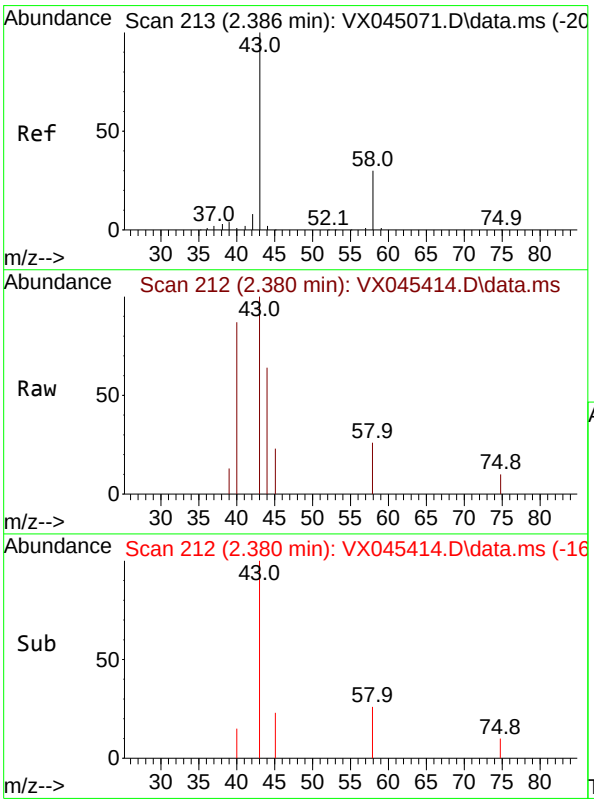
#9
1,1,2-Trichlorotrifluoroethane
Concen: 4.910 ug/l
RT: 2.319 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX045414.D
Acq: 24 Mar 2025 14:54

Instrument :
MSVOA_X
ClientSampleId :
RE132D2-20250318

Tgt Ion:101 Resp: 3818

Ion	Ratio	Lower	Upper
101	100		
85	49.6	36.2	54.4
151	72.8	56.4	84.6

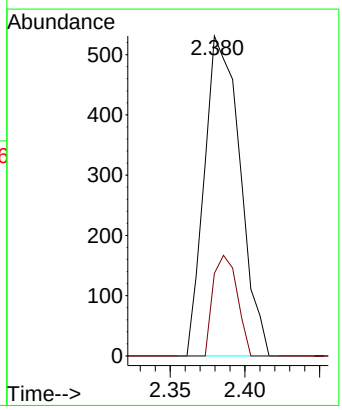


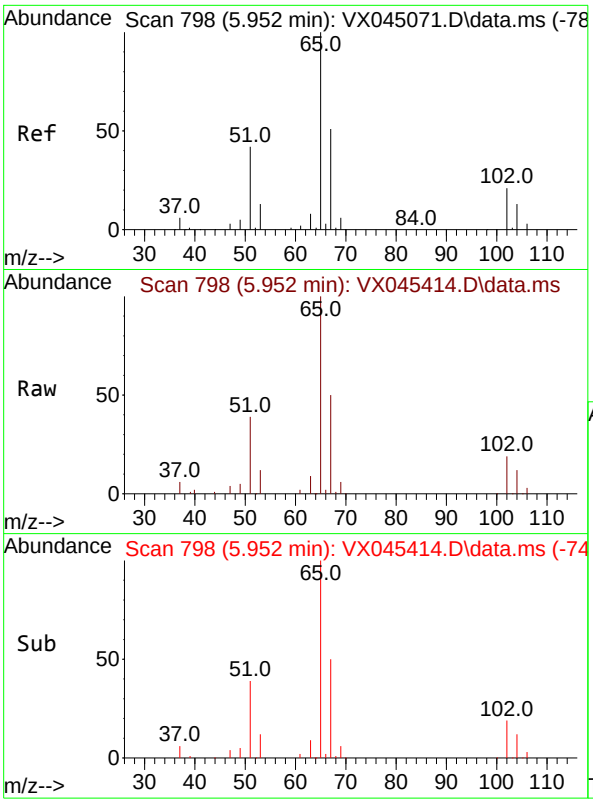


#16
Acetone
Concen: 1.780 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX045414.D
Acq: 24 Mar 2025 14:54

Tgt Ion: 43 Resp: 879

Ion	Ratio	Lower	Upper
43	100		
58	25.8	24.2	36.4



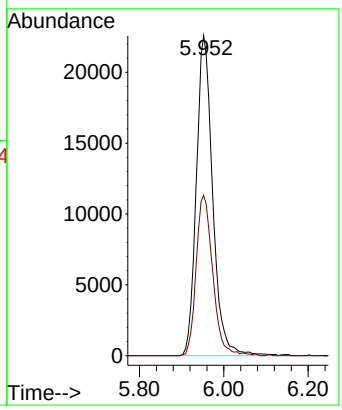


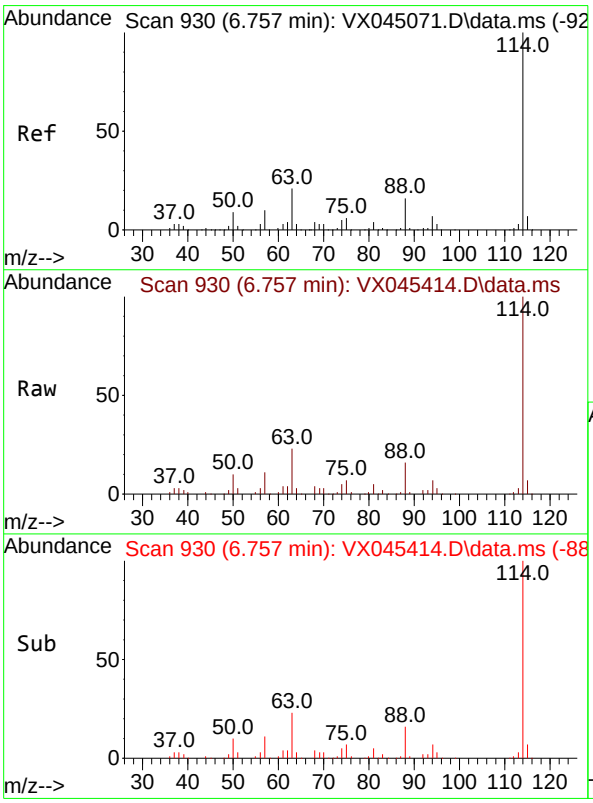
#33
1,2-Dichloroethane-d4
Concen: 57.340 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045414.D
Acq: 24 Mar 2025 14:54

Instrument :
MSVOA_X
ClientSampleId :
RE132D2-20250318

Tgt Ion: 65 Resp: 61019

Ion	Ratio	Lower	Upper
65	100		
67	50.9	0.0	106.2

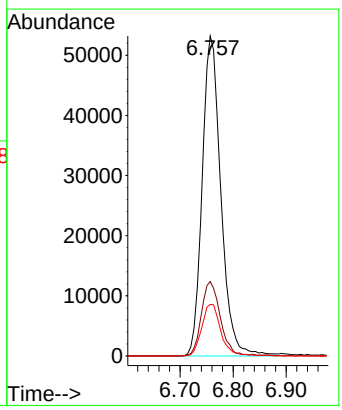


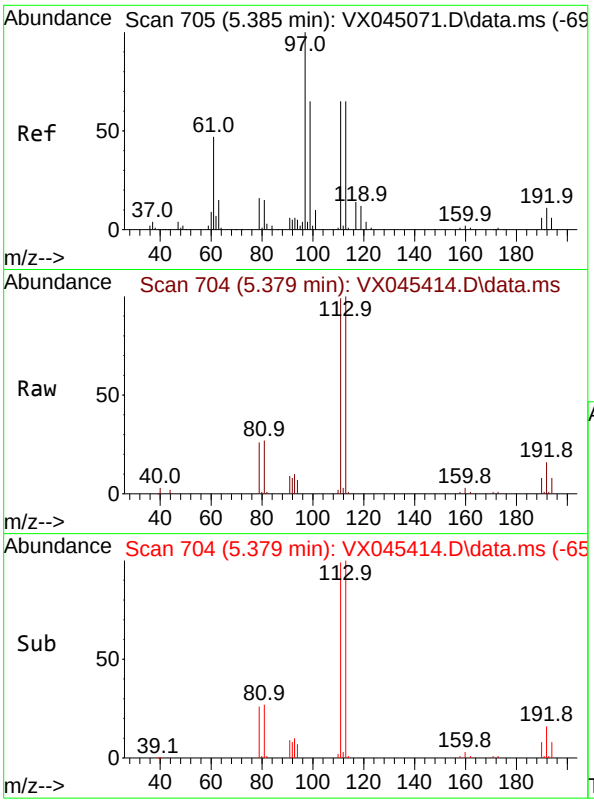


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX045414.D
Acq: 24 Mar 2025 14:54

Tgt Ion:114 Resp: 130401

Ion	Ratio	Lower	Upper
114	100		
63	23.3	0.0	41.8
88	16.1	0.0	32.8



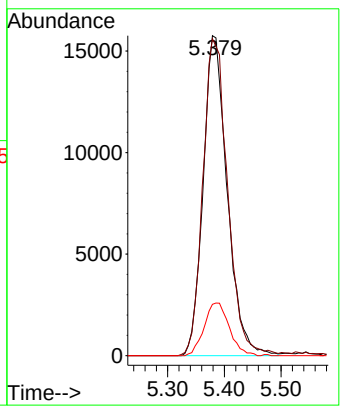


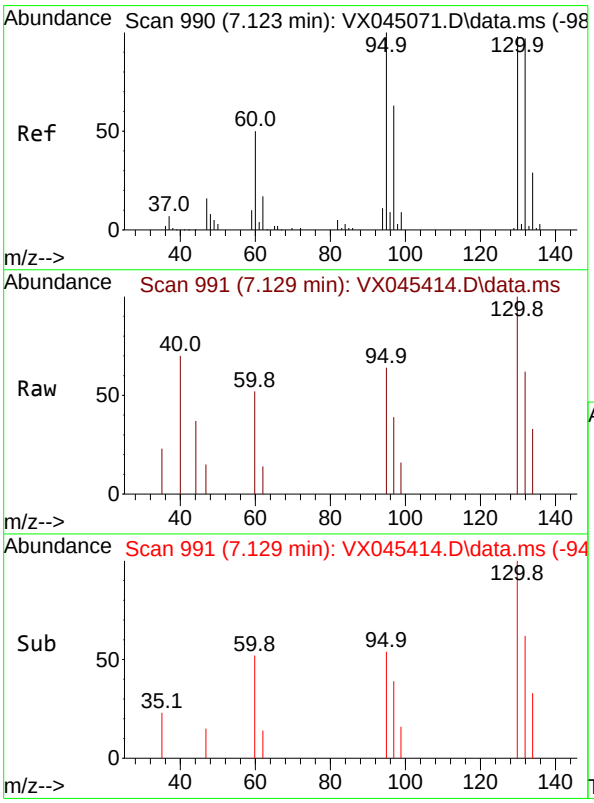
#35
Dibromofluoromethane
Concen: 53.285 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045414.D
Acq: 24 Mar 2025 14:54

Instrument :
MSVOA_X
ClientSampleId :
RE132D2-20250318

Tgt Ion:113 Resp: 46462

Ion	Ratio	Lower	Upper
113	100		
111	101.8	81.8	122.6
192	17.2	14.3	21.5

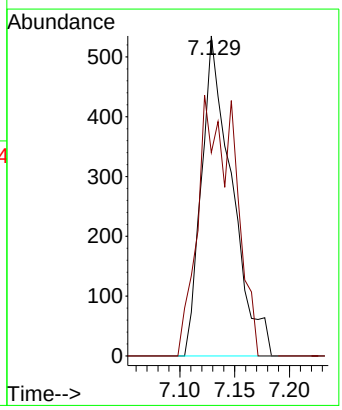


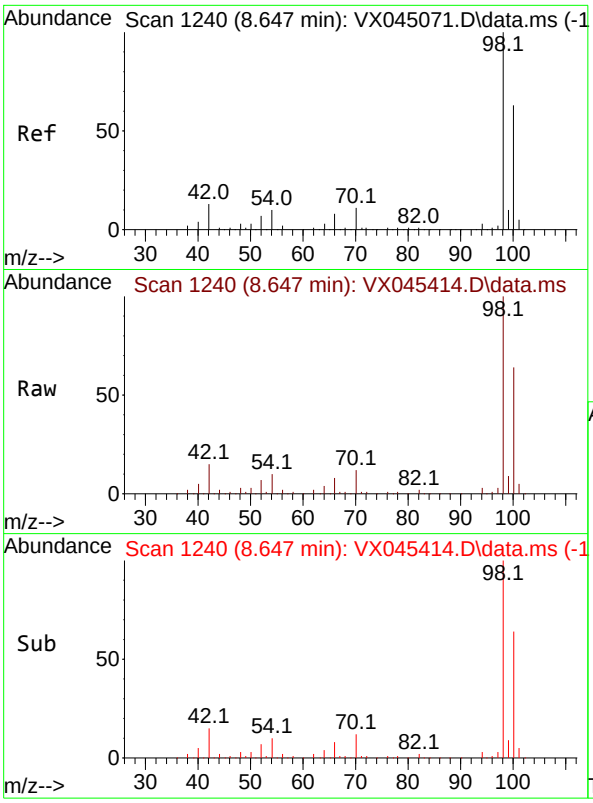


#44
Trichloroethene
Concen: 1.159 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.006 min
Lab File: VX045414.D
Acq: 24 Mar 2025 14:54

Tgt Ion:130 Resp: 1028

Ion	Ratio	Lower	Upper
130	100		
95	63.6	0.0	205.0



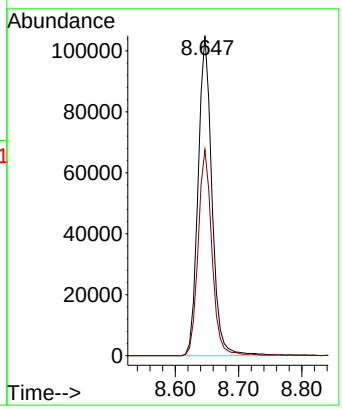


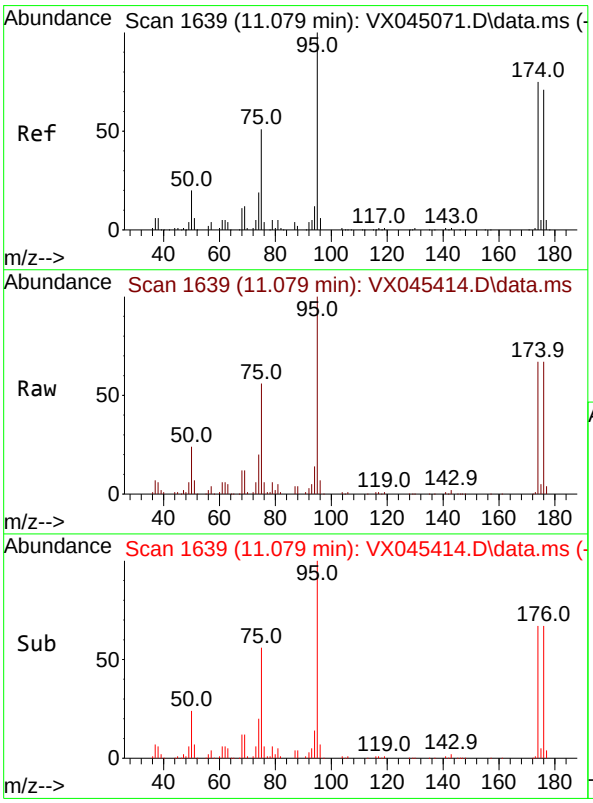
#50
Toluene-d8
Concen: 50.598 ug/l
RT: 8.647 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045414.D
Acq: 24 Mar 2025 14:54

Instrument :
MSVOA_X
ClientSampleId :
RE132D2-20250318

Tgt Ion: 98 Resp: 159947

Ion	Ratio	Lower	Upper
98	100		
100	64.3	52.0	78.0

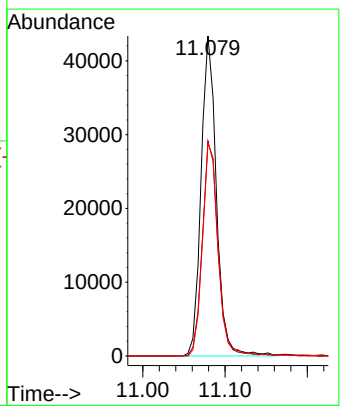


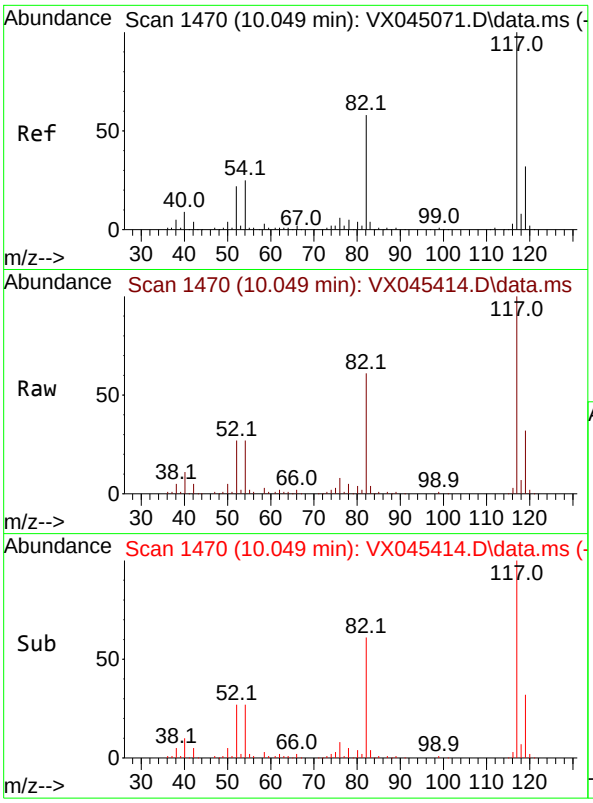


#62
4-Bromofluorobenzene
Concen: 53.618 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045414.D
Acq: 24 Mar 2025 14:54

Tgt Ion: 95 Resp: 56165

Ion	Ratio	Lower	Upper
95	100		
174	69.3	0.0	148.2
176	67.7	0.0	141.4



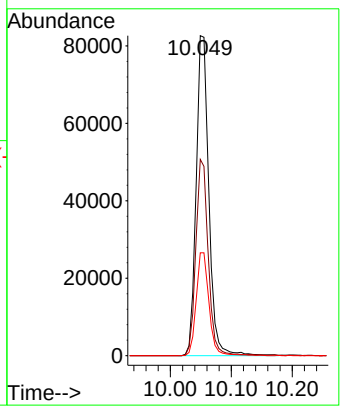


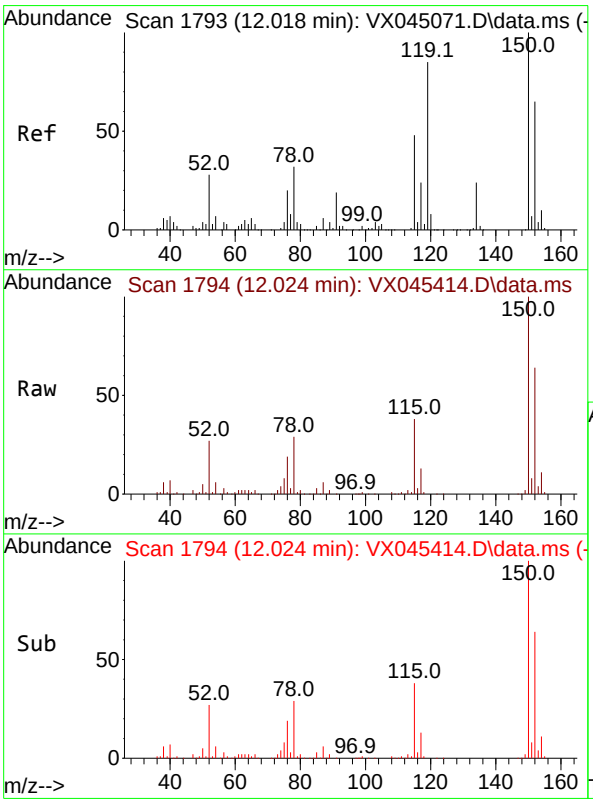
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045414.D
Acq: 24 Mar 2025 14:54

Instrument :
MSVOA_X
ClientSampleId :
RE132D2-20250318

Tgt Ion:117 Resp: 119535

Ion	Ratio	Lower	Upper
117	100		
82	61.3	46.3	69.5
119	32.1	25.7	38.5

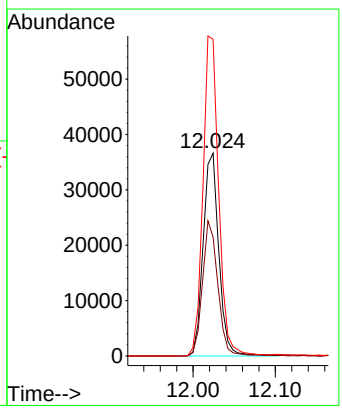




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VX045414.D
Acq: 24 Mar 2025 14:54

Tgt Ion:152 Resp: 48538

Ion	Ratio	Lower	Upper
152	100		
115	64.9	44.2	132.6
150	158.0	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:	03/18/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/19/25
Client Sample ID:	RE132D2-20250318RE	SDG No.:	Q1608
Lab Sample ID:	Q1608-14RE	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
VX045441.D	1		03/25/25 15:36	VX032525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	1.70		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	4.40		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	1.80	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	UQ	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	0.79	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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Fax : 908 789 8922

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	03/18/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/19/25
Client Sample ID:	RE132D2-20250318RE	SDG No.:	Q1608
Lab Sample ID:	Q1608-14RE	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
VX045441.D	1		03/25/25 15:36	VX032525

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	52.8		81 - 118		106%	SPK: 50
1868-53-7	Dibromofluoromethane	49.5		80 - 119		99%	SPK: 50
2037-26-5	Toluene-d8	47.8		89 - 112		96%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.4		85 - 114		103%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	81800	5.543				
540-36-3	1,4-Difluorobenzene	158000	6.757				
3114-55-4	Chlorobenzene-d5	147000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	58700	12.018				

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Fax : 908 789 8922

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	03/18/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/19/25
Client Sample ID:	RE132D2-20250318RE	SDG No.:	Q1608
Lab Sample ID:	Q1608-14RE	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
VX045441.D	1		03/25/25 15:36	VX032525

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\VX032525\
Data File : VX045441.D
Acq On : 25 Mar 2025 15:36
Operator : JC/MD
Sample : Q1608-14RE
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RE132D2-20250318RE

Quant Time: Mar 26 01:39:52 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

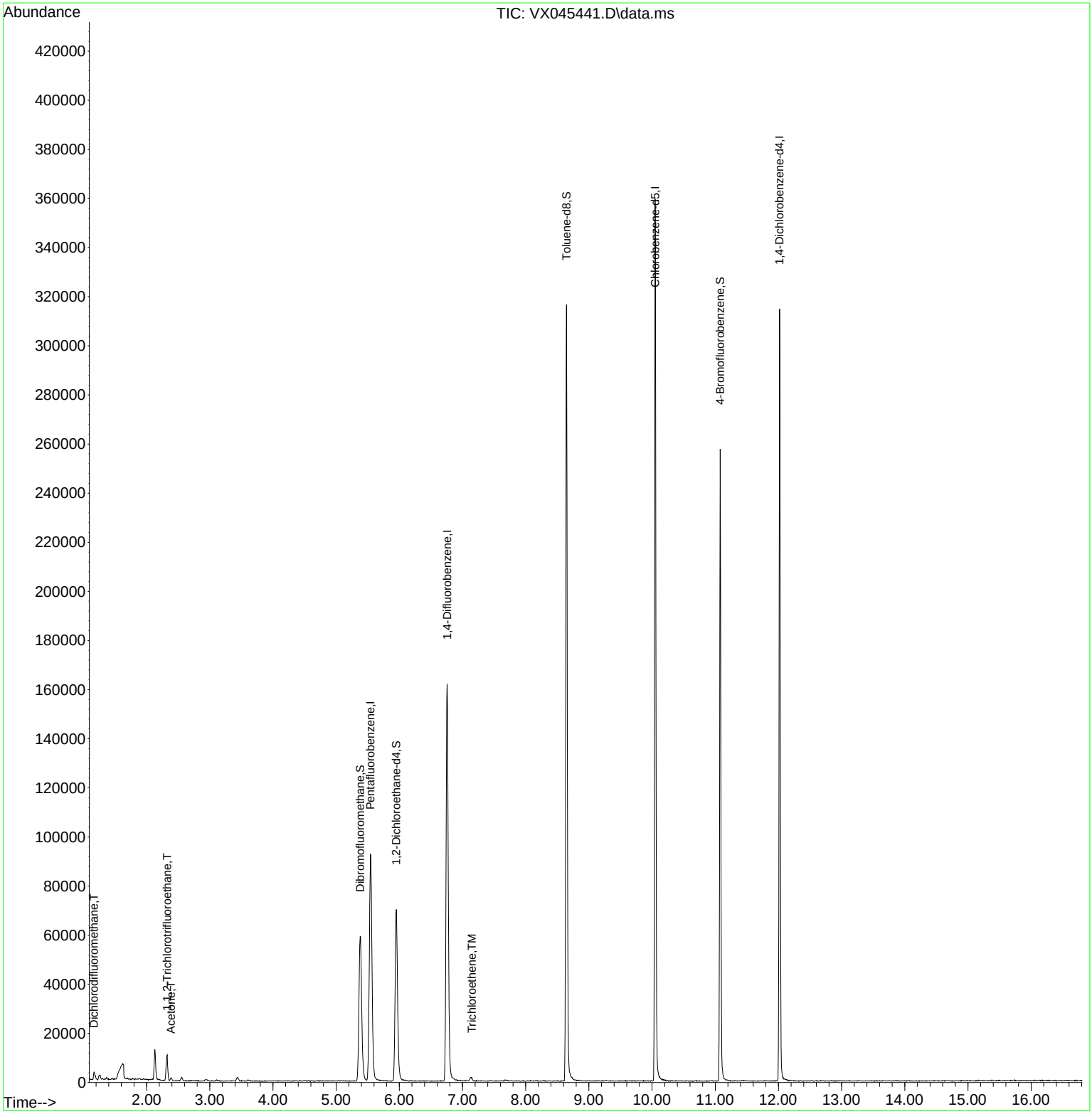
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.543	168	81844	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	157686	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	147292	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	58705	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	68708	52.777	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 105.560%			
35) Dibromofluoromethane	5.379	113	52180	49.488	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.980%			
50) Toluene-d8	8.647	98	182794	47.819	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 95.640%			
62) 4-Bromofluorobenzene	11.079	95	65142	51.427	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 102.860%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	1745	1.694	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.325	101	4230	4.447	ug/l	93
16) Acetone	2.385	43	1117	1.849	ug/l	91
44) Trichloroethene	7.147	130	849	0.792	ug/l	53

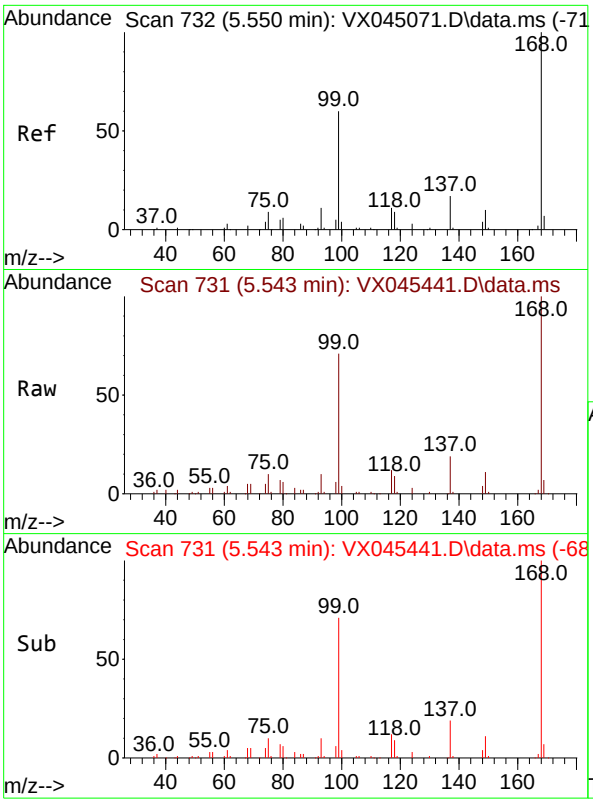
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032525\
Data File : VX045441.D
Acq On : 25 Mar 2025 15:36
Operator : JC/MD
Sample : Q1608-14RE
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RE132D2-20250318RE

Quant Time: Mar 26 01:39:52 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



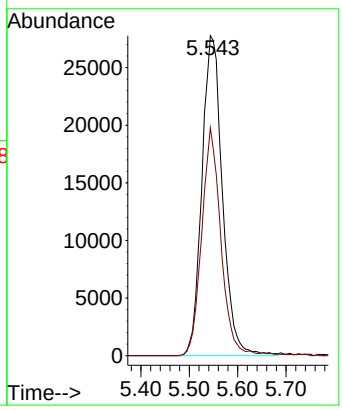


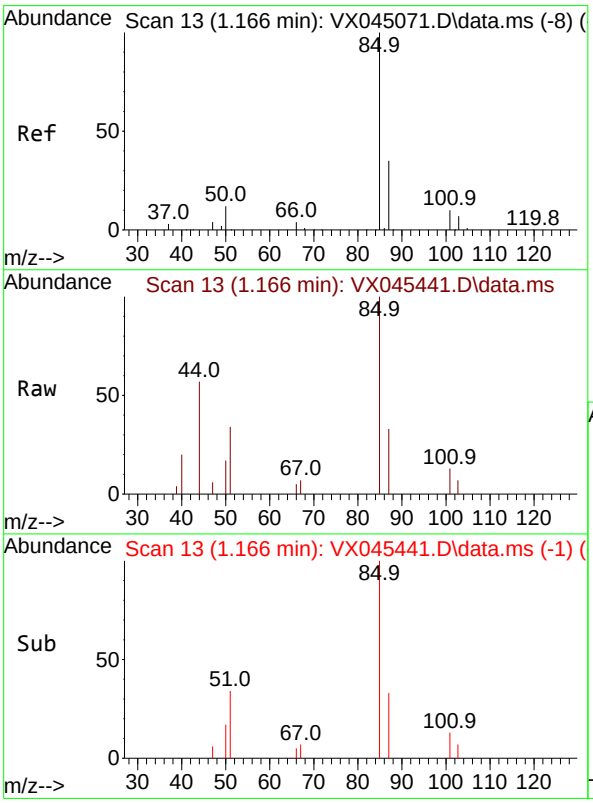
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.543 min Scan# 7
Delta R.T. -0.007 min
Lab File: VX045441.D
Acq: 25 Mar 2025 15:36

Instrument :
MSVOA_X
ClientSampleId :
RE132D2-20250318RE

Tgt Ion:168 Resp: 81844

Ion	Ratio	Lower	Upper
168	100		
99	71.2	48.2	72.4

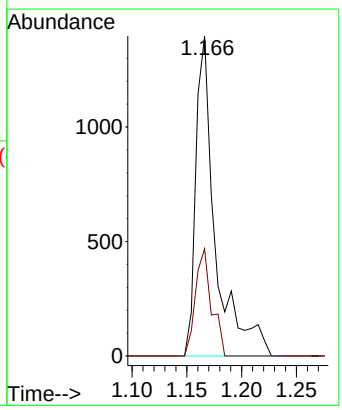


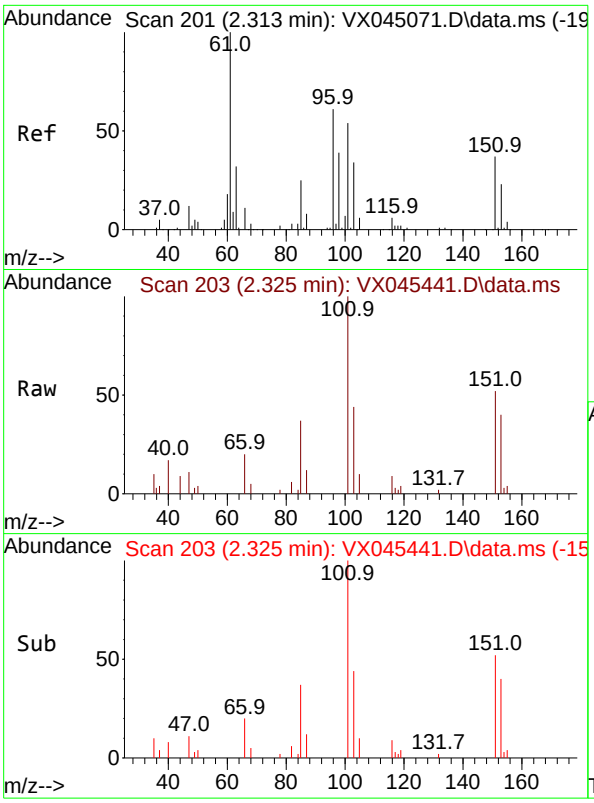


#2
Dichlorodifluoromethane
Concen: 1.694 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX045441.D
Acq: 25 Mar 2025 15:36

Tgt Ion: 85 Resp: 1745

Ion	Ratio	Lower	Upper
85	100		
87	33.5	17.4	52.3



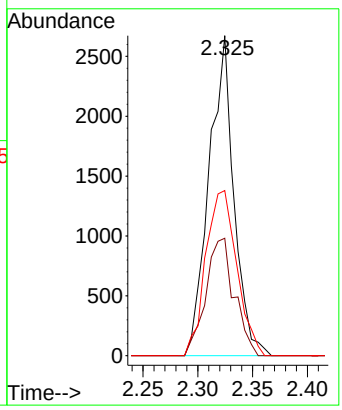


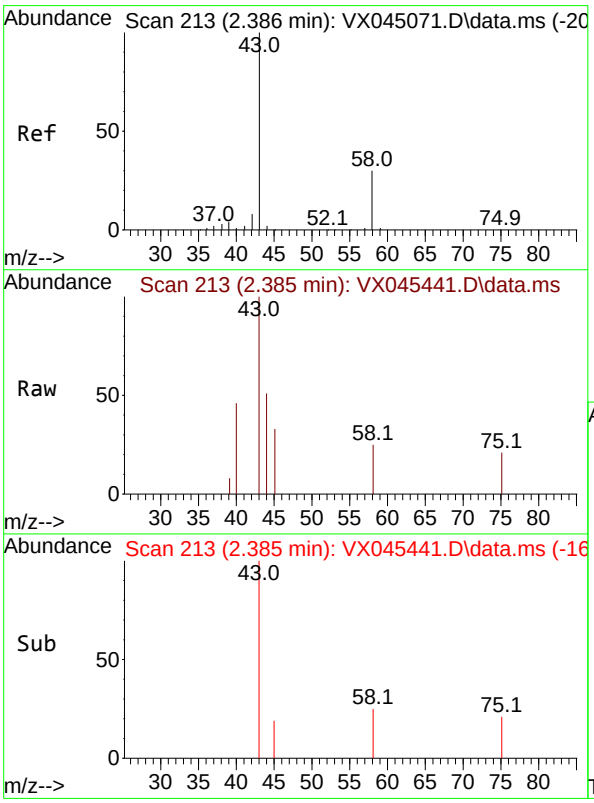
#9
1,1,2-Trichlorotrifluoroethane
Concen: 4.447 ug/l
RT: 2.325 min Scan# 2
Delta R.T. 0.012 min
Lab File: VX045441.D
Acq: 25 Mar 2025 15:36

Instrument :
MSVOA_X
ClientSampleId :
RE132D2-20250318RE

Tgt Ion:101 Resp: 4230

Ion	Ratio	Lower	Upper
101	100		
85	42.0	36.2	54.4
151	64.3	56.4	84.6

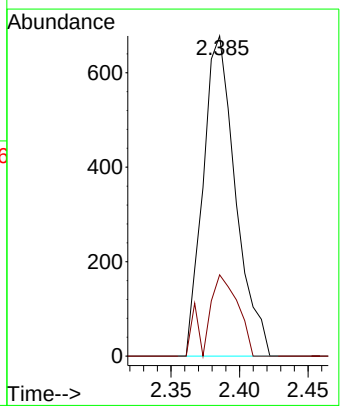


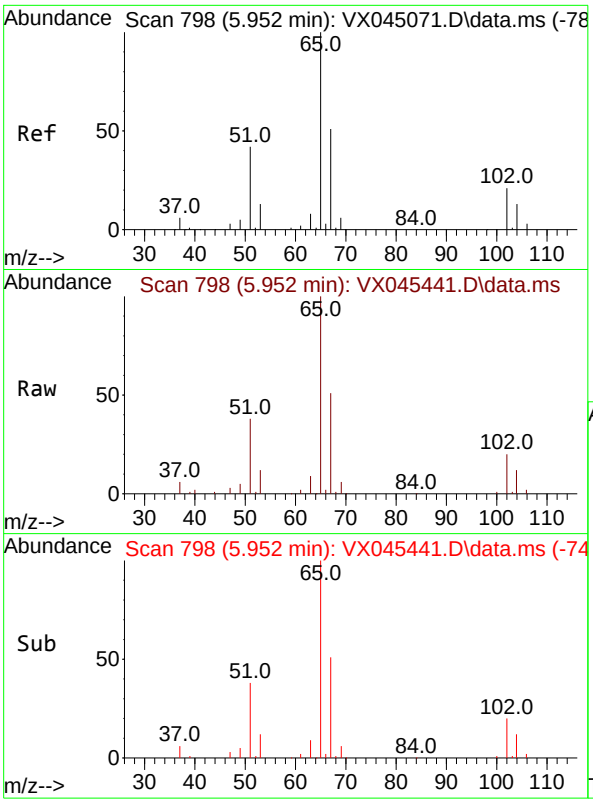


#16
Acetone
Concen: 1.849 ug/l
RT: 2.385 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX045441.D
Acq: 25 Mar 2025 15:36

Tgt Ion: 43 Resp: 1117

Ion	Ratio	Lower	Upper
43	100		
58	25.4	24.2	36.4



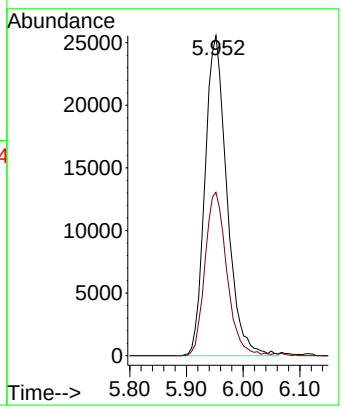


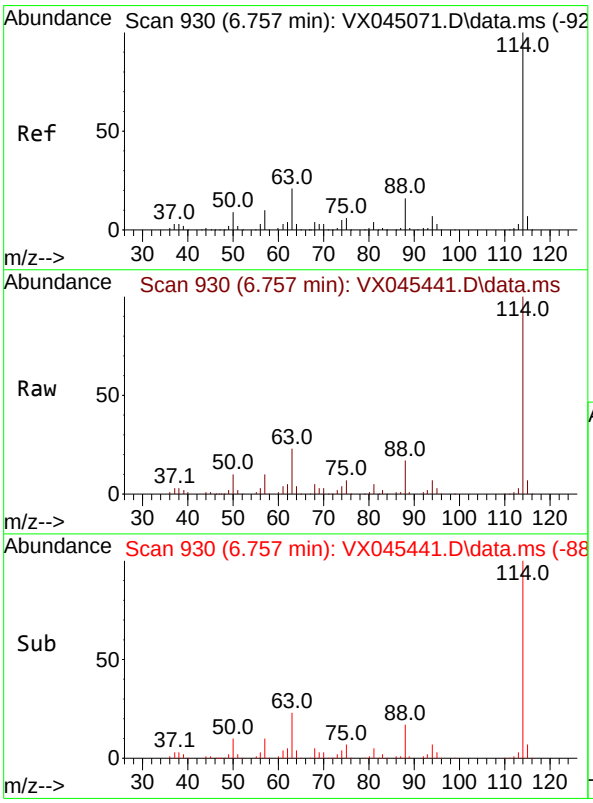
#33
1,2-Dichloroethane-d4
Concen: 52.777 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045441.D
Acq: 25 Mar 2025 15:36

Instrument :
MSVOA_X
ClientSampleId :
RE132D2-20250318RE

Tgt Ion: 65 Resp: 68708

Ion	Ratio	Lower	Upper
65	100		
67	51.0	0.0	106.2

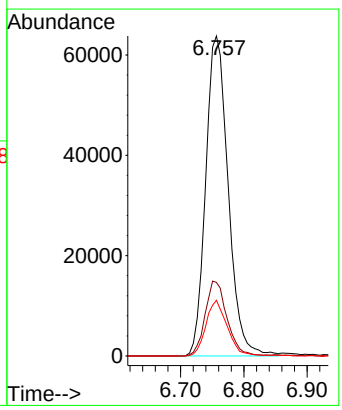


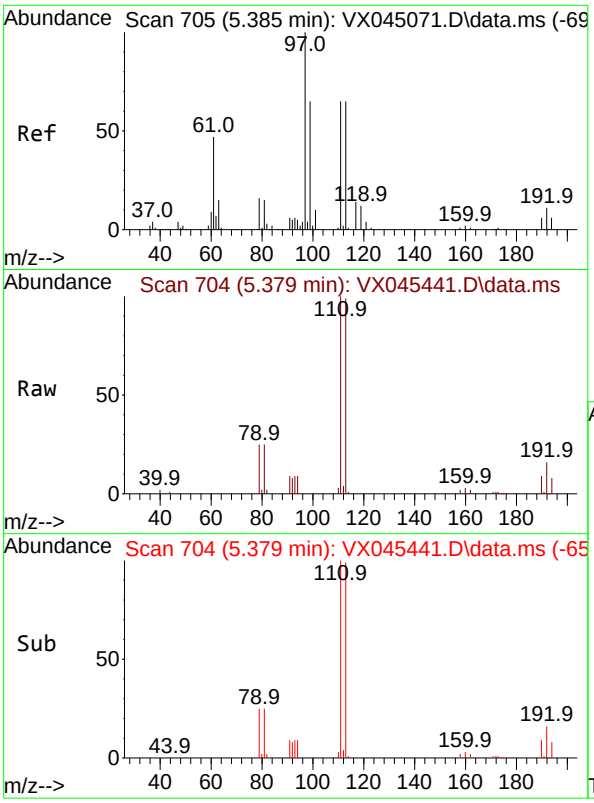


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX045441.D
Acq: 25 Mar 2025 15:36

Tgt Ion:114 Resp: 157686

Ion	Ratio	Lower	Upper
114	100		
63	23.0	0.0	41.8
88	17.4	0.0	32.8



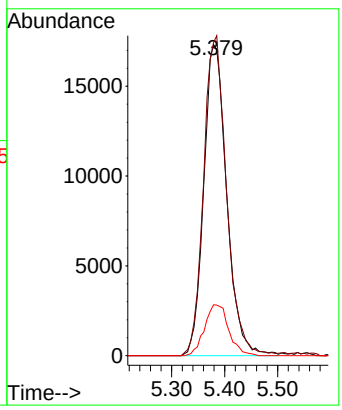


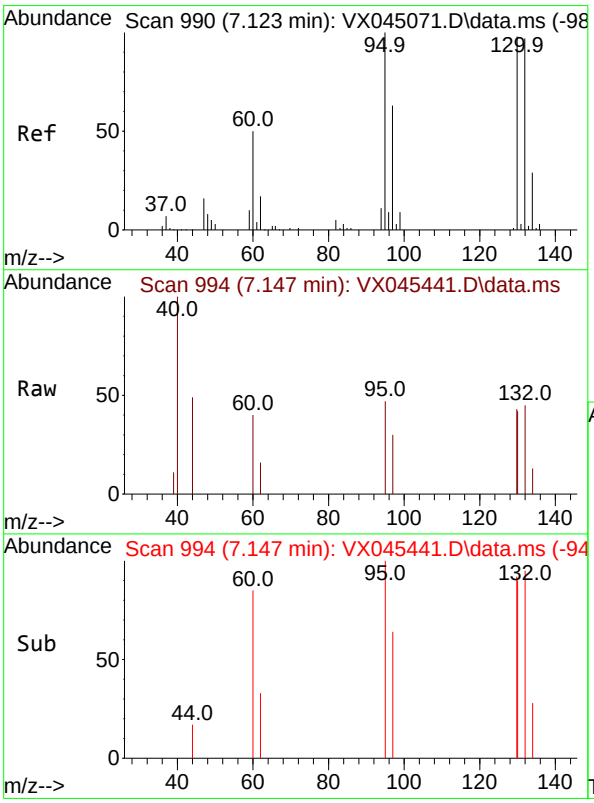
#35
Dibromofluoromethane
Concen: 49.488 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045441.D
Acq: 25 Mar 2025 15:36

Instrument :
MSVOA_X
ClientSampleId :
RE132D2-20250318RE

Tgt Ion:113 Resp: 52180

Ion	Ratio	Lower	Upper
113	100		
111	102.7	81.8	122.6
192	17.2	14.3	21.5

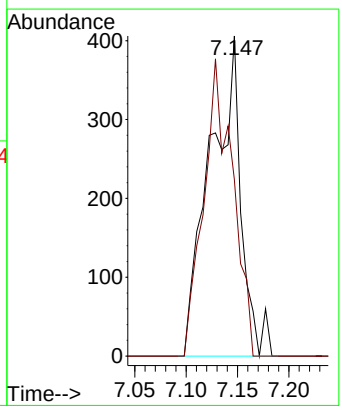


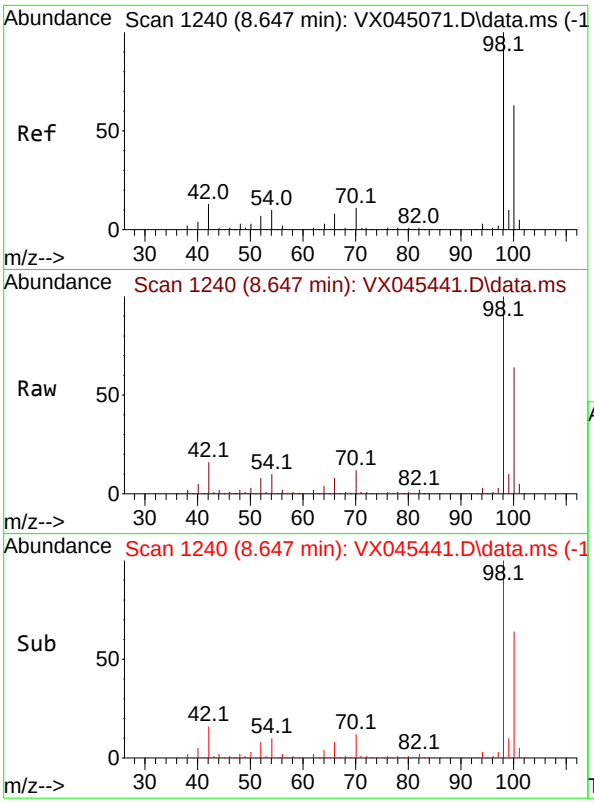


#44
Trichloroethene
Concen: 0.792 ug/l
RT: 7.147 min Scan# 994
Delta R.T. 0.024 min
Lab File: VX045441.D
Acq: 25 Mar 2025 15:36

Tgt Ion:130 Resp: 849

Ion	Ratio	Lower	Upper
130	100		
95	55.2	0.0	205.0



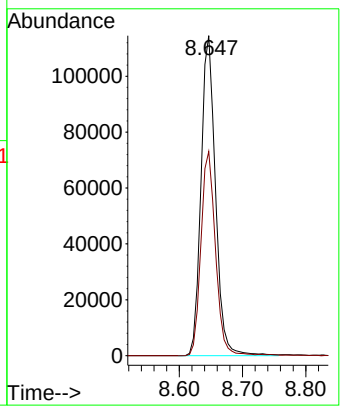


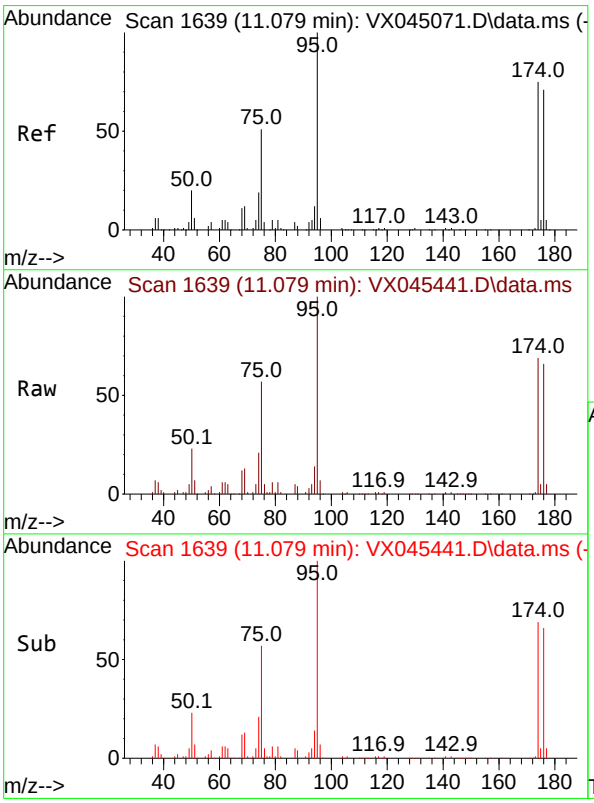
#50
Toluene-d8
Concen: 47.819 ug/l
RT: 8.647 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045441.D
Acq: 25 Mar 2025 15:36

Instrument :
MSVOA_X
ClientSampleId :
RE132D2-20250318RE

Tgt Ion: 98 Resp: 182794

Ion	Ratio	Lower	Upper
98	100		
100	63.9	52.0	78.0

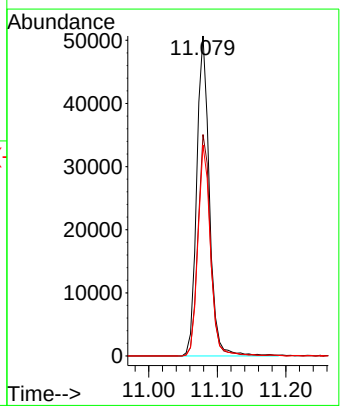


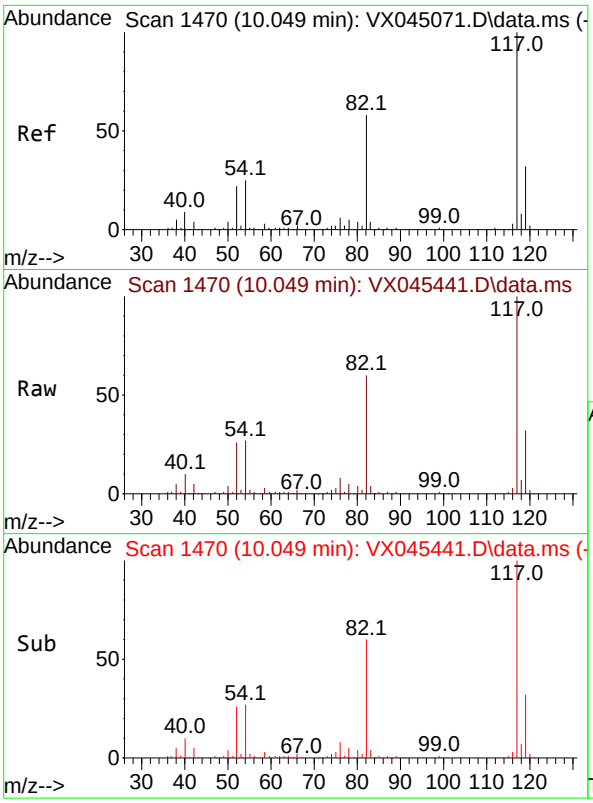


#62
4-Bromofluorobenzene
Concen: 51.427 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045441.D
Acq: 25 Mar 2025 15:36

Tgt Ion: 95 Resp: 65142

Ion	Ratio	Lower	Upper
95	100		
174	68.5	0.0	148.2
176	65.8	0.0	141.4



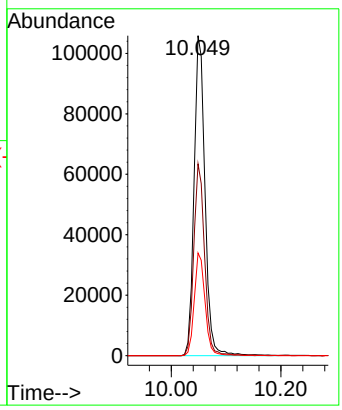


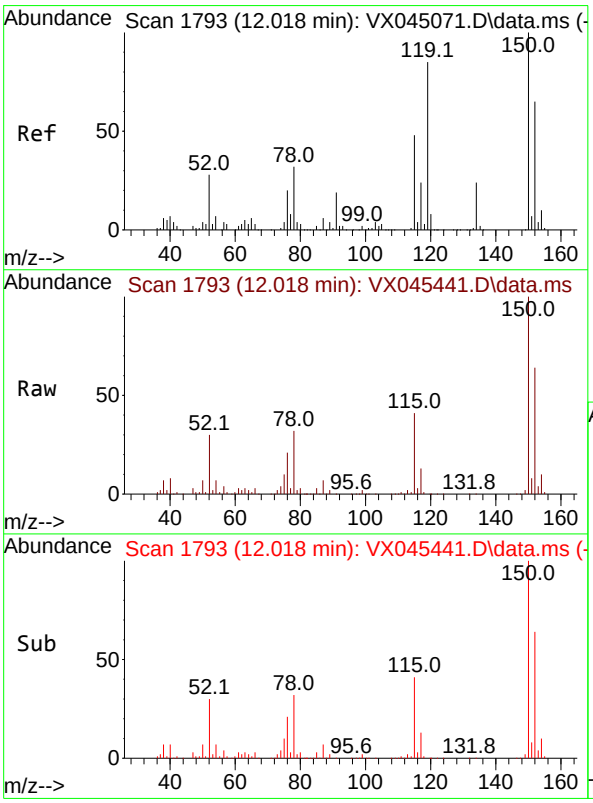
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045441.D
Acq: 25 Mar 2025 15:36

Instrument :
MSVOA_X
ClientSampleId :
RE132D2-20250318RE

Tgt Ion:117 Resp: 147292

Ion	Ratio	Lower	Upper
117	100		
82	59.9	46.3	69.5
119	32.1	25.7	38.5

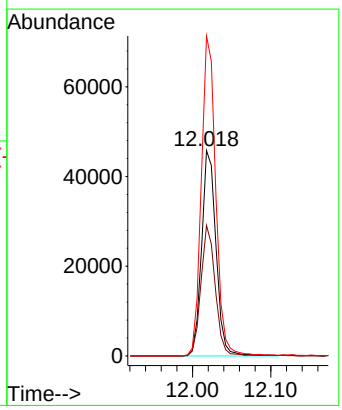




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045441.D
Acq: 25 Mar 2025 15:36

Tgt Ion:152 Resp: 58705

Ion	Ratio	Lower	Upper
152	100		
115	63.5	44.2	132.6
150	155.7	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:	03/18/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/19/25
Client Sample ID:	RE132D3-20250318	SDG No.:	Q1608
Lab Sample ID:	Q1608-15	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
VX045415.D	1		03/24/25 15:17	VX032425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	1.10		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	5.60		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	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	78.5		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:	03/18/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/19/25
Client Sample ID:	RE132D3-20250318	SDG No.:	Q1608
Lab Sample ID:	Q1608-15	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
VX045415.D	1		03/24/25 15:17	VX032425

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	2.40		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	56.6		81 - 118		113%	SPK: 50
1868-53-7	Dibromofluoromethane	52.5		80 - 119		105%	SPK: 50
2037-26-5	Toluene-d8	49.9		89 - 112		100%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.4		85 - 114		103%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	69300	5.55				
540-36-3	1,4-Difluorobenzene	135000	6.757				
3114-55-4	Chlorobenzene-d5	121000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	47100	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:	03/18/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/19/25
Client Sample ID:	RE132D3-20250318	SDG No.:	Q1608
Lab Sample ID:	Q1608-15	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
VX045415.D	1		03/24/25 15:17	VX032425

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\VX032425\
Data File : VX045415.D
Acq On : 24 Mar 2025 15:17
Operator : JC/MD
Sample : Q1608-15
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RE132D3-20250318

Quant Time: Mar 25 01:35:15 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

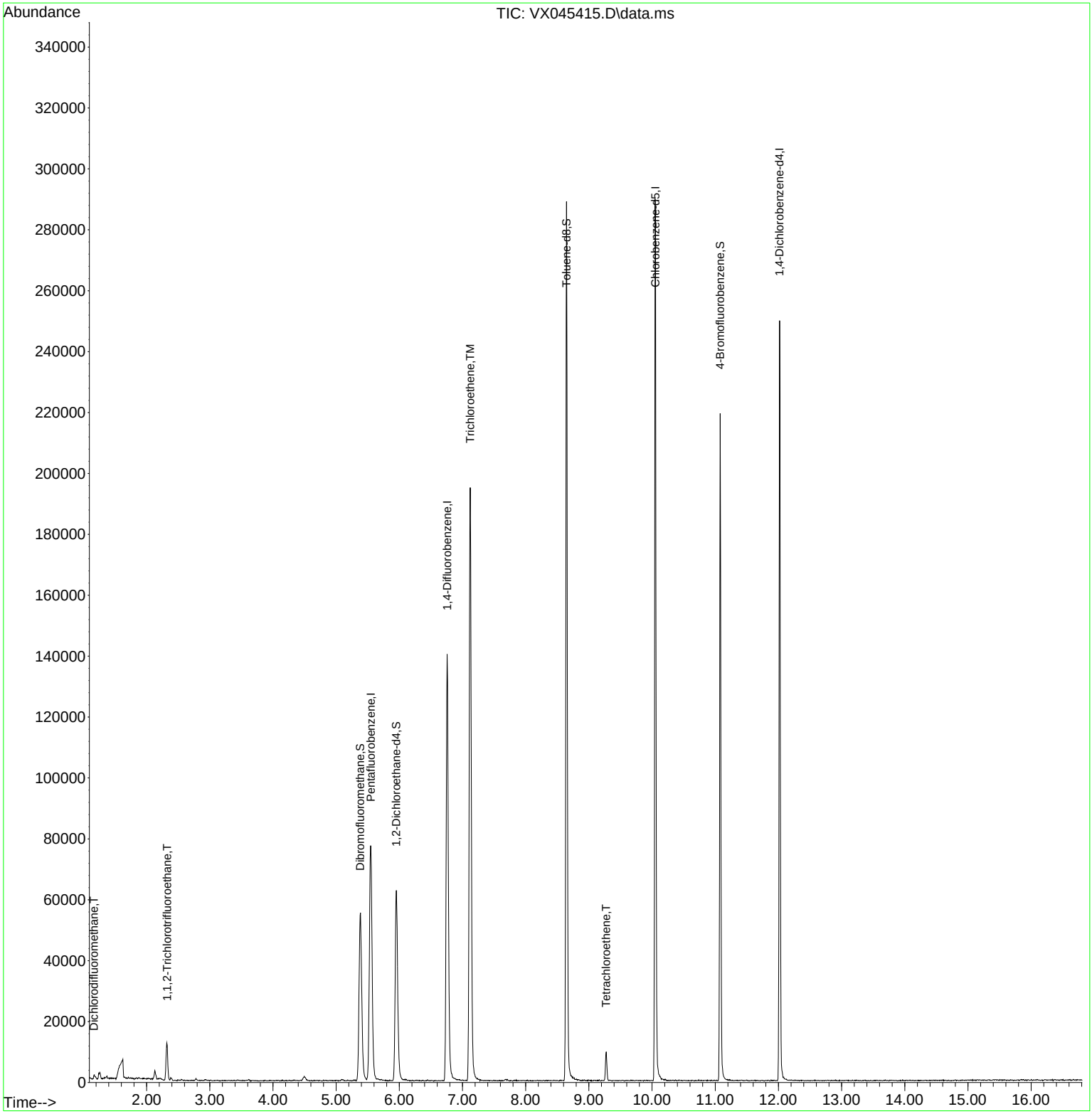
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	69281	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	134579	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	121432	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	47134	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	62411	56.633	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 113.260%			
35) Dibromofluoromethane	5.379	113	47268	52.526	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.060%			
50) Toluene-d8	8.647	98	162792	49.899	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.800%			
62) 4-Bromofluorobenzene	11.079	95	55593	51.424	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 102.840%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	929	1.065	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.325	101	4479	5.562	ug/l	97
44) Trichloroethene	7.123	130	71833	78.501	ug/l	100
64) Tetrachloroethene	9.275	164	1839	2.365	ug/l #	80

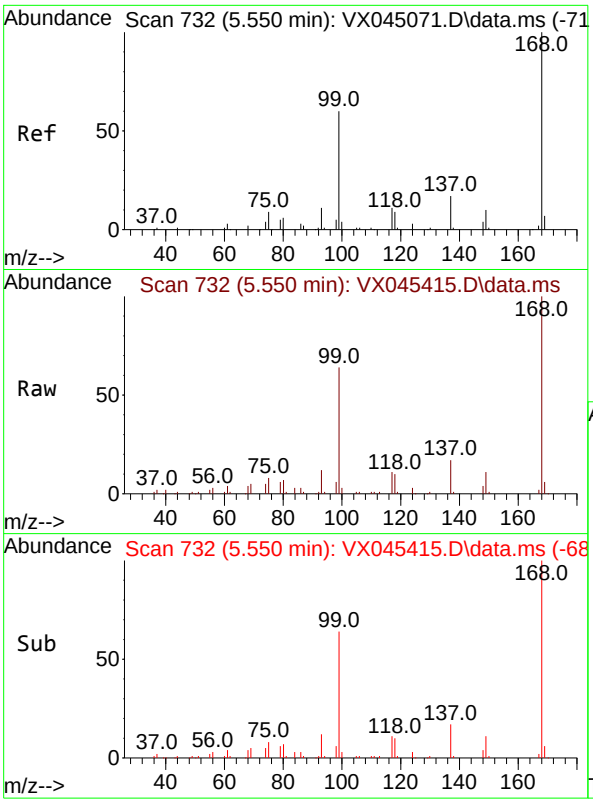
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032425\
Data File : VX045415.D
Acq On : 24 Mar 2025 15:17
Operator : JC/MD
Sample : Q1608-15
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RE132D3-20250318

Quant Time: Mar 25 01:35:15 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



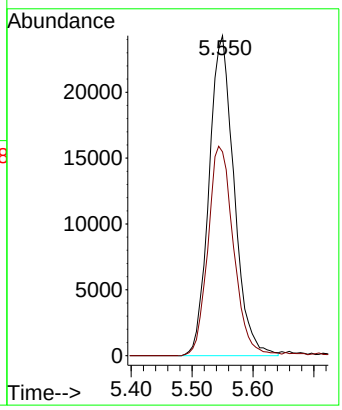


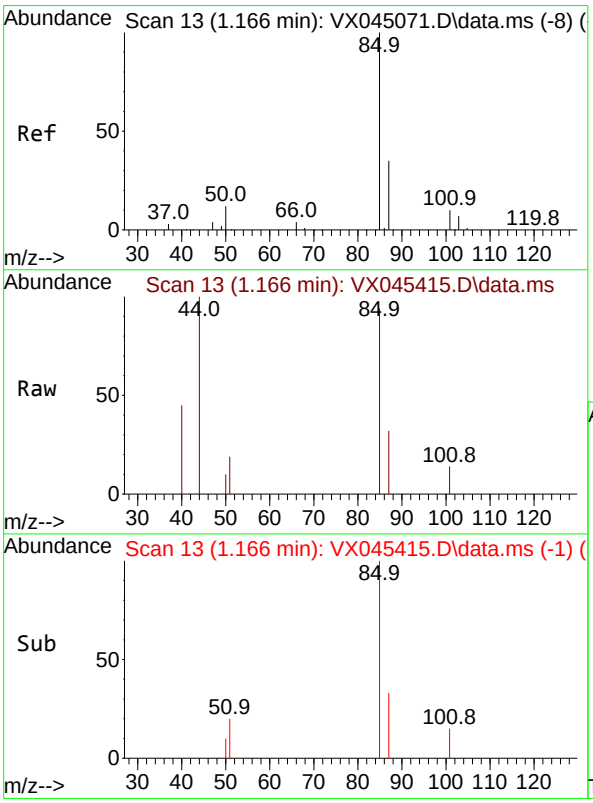
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045415.D
Acq: 24 Mar 2025 15:17

Instrument :
MSVOA_X
ClientSampleId :
RE132D3-20250318

Tgt Ion:168 Resp: 69281

Ion	Ratio	Lower	Upper
168	100		
99	63.7	48.2	72.4

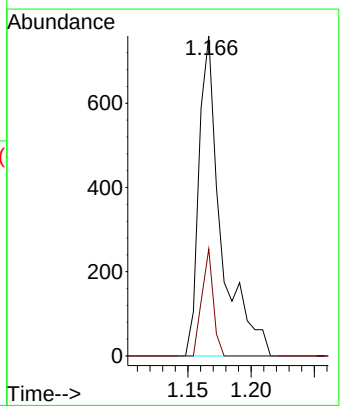


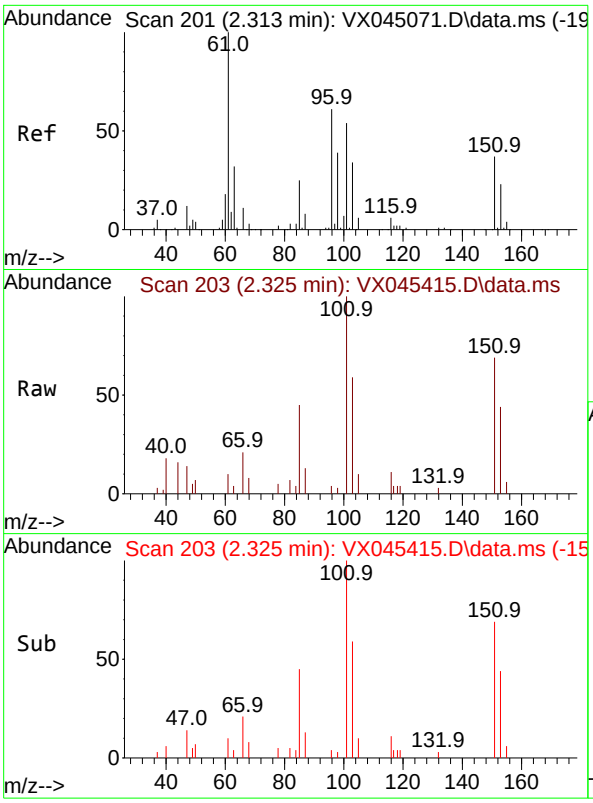


#2
Dichlorodifluoromethane
Concen: 1.065 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX045415.D
Acq: 24 Mar 2025 15:17

Tgt Ion: 85 Resp: 929

Ion	Ratio	Lower	Upper
85	100		
87	33.4	17.4	52.3



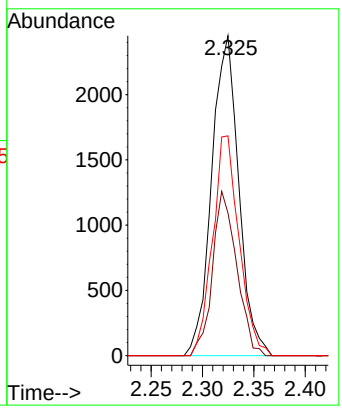


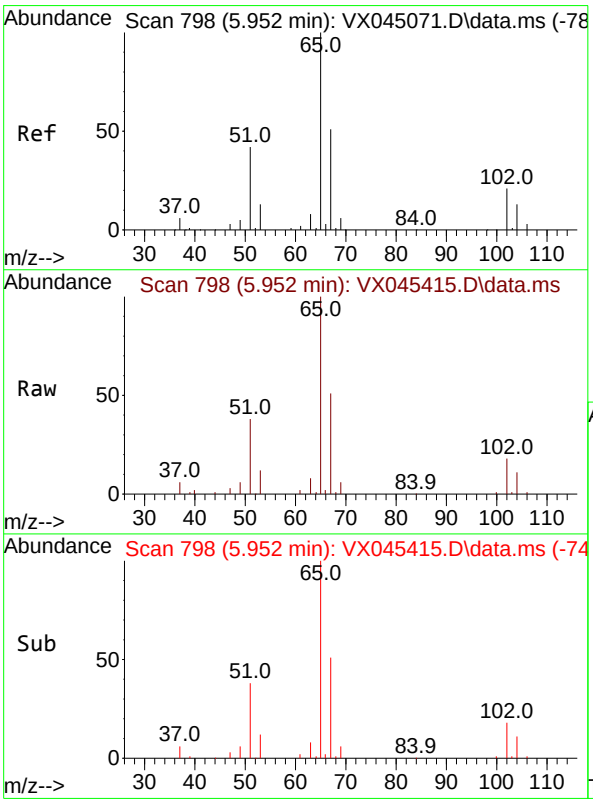
#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.562 ug/l
RT: 2.325 min Scan# 2
Delta R.T. 0.012 min
Lab File: VX045415.D
Acq: 24 Mar 2025 15:17

Instrument :
MSVOA_X
ClientSampleId :
RE132D3-20250318

Tgt Ion:101 Resp: 4479

Ion	Ratio	Lower	Upper
101	100		
85	46.1	36.2	54.4
151	67.4	56.4	84.6

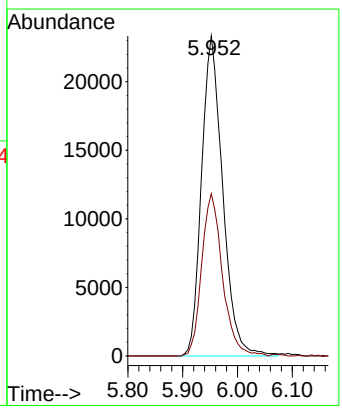


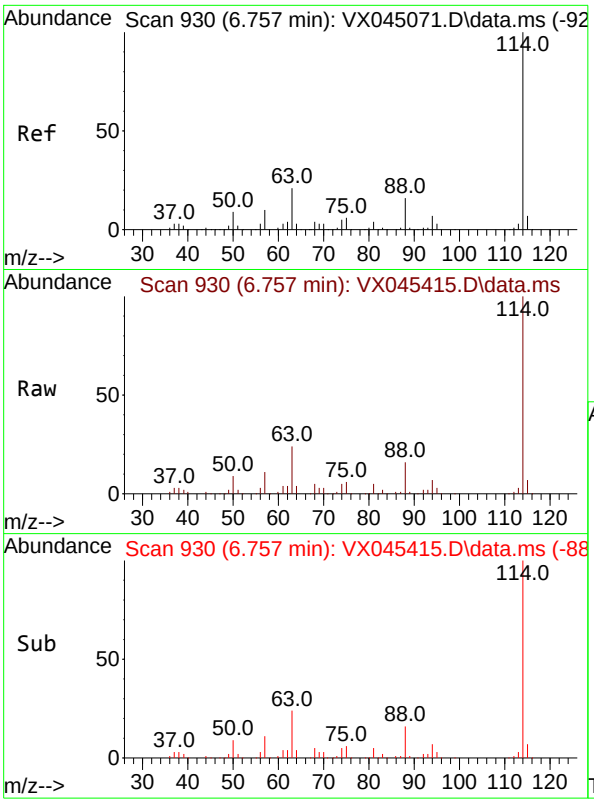


#33
1,2-Dichloroethane-d4
Concen: 56.633 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX045415.D
Acq: 24 Mar 2025 15:17

Tgt Ion: 65 Resp: 62411

Ion	Ratio	Lower	Upper
65	100		
67	49.9	0.0	106.2



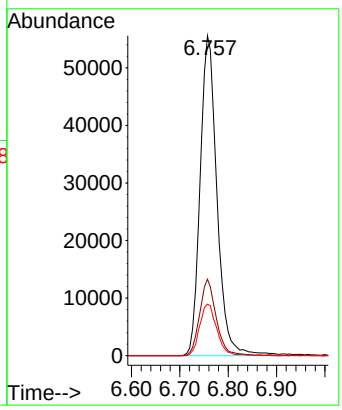


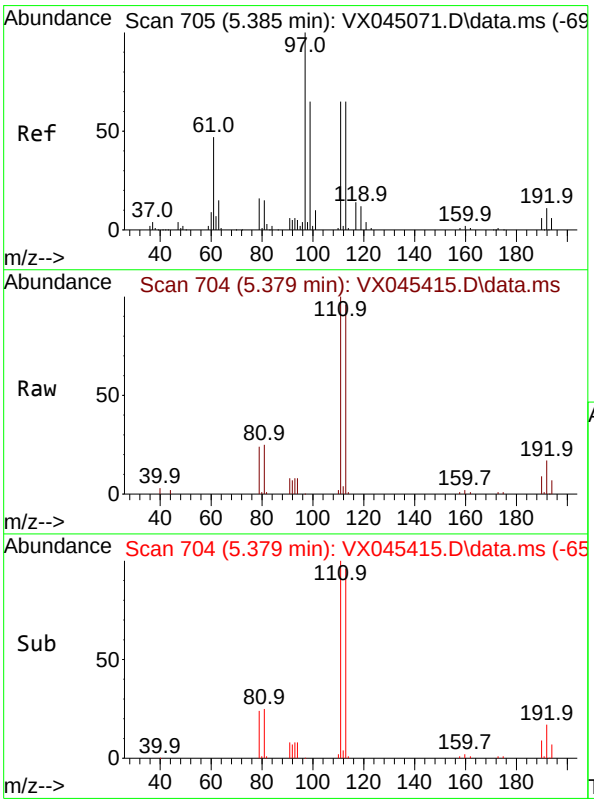
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX045415.D
Acq: 24 Mar 2025 15:17

Instrument :
MSVOA_X
ClientSampleId :
RE132D3-20250318

Tgt Ion:114 Resp: 134579

Ion	Ratio	Lower	Upper
114	100		
63	23.9	0.0	41.8
88	16.1	0.0	32.8

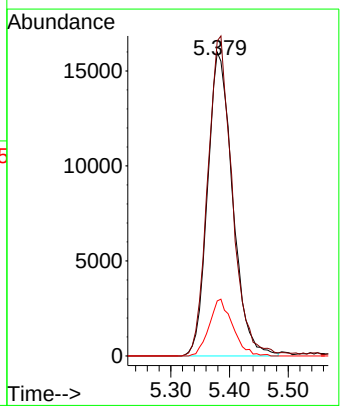


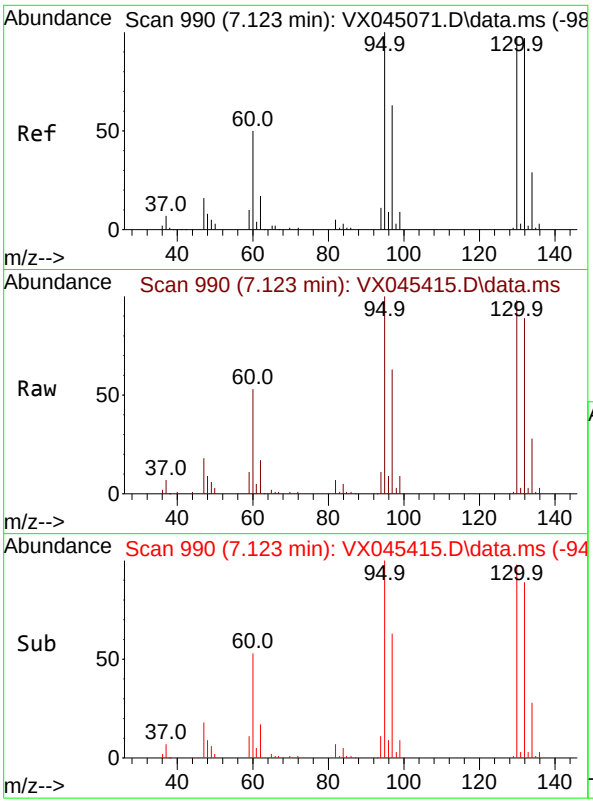


#35
Dibromofluoromethane
Concen: 52.526 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX045415.D
Acq: 24 Mar 2025 15:17

Tgt Ion:113 Resp: 47268

Ion	Ratio	Lower	Upper
113	100		
111	103.6	81.8	122.6
192	17.5	14.3	21.5



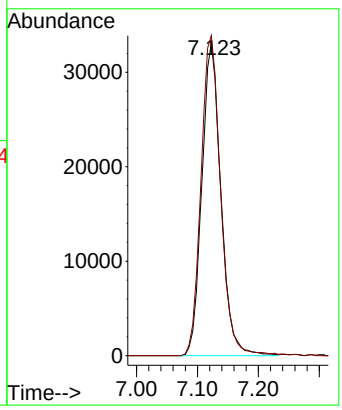


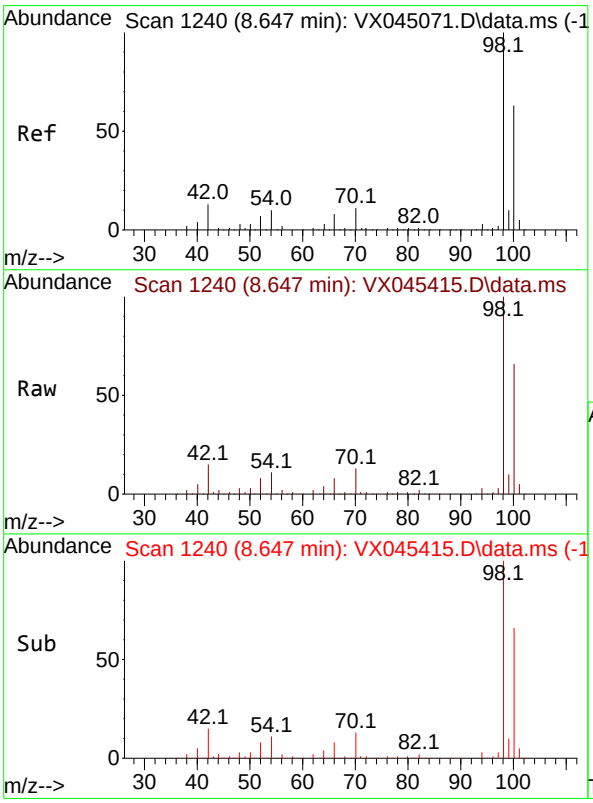
#44
Trichloroethene
Concen: 78.501 ug/l
RT: 7.123 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX045415.D
Acq: 24 Mar 2025 15:17

Instrument :
MSVOA_X
ClientSampleId :
RE132D3-20250318

Tgt Ion:130 Resp: 71833

Ion	Ratio	Lower	Upper
130	100		
95	102.5	0.0	205.0

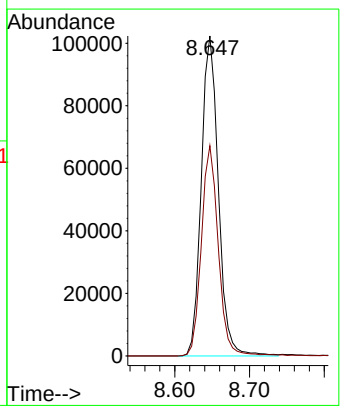


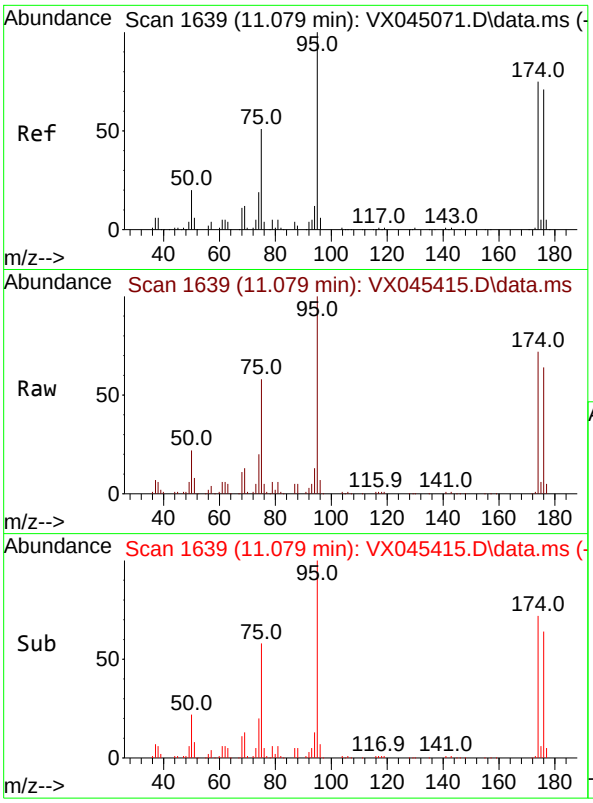


#50
Toluene-d8
Concen: 49.899 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045415.D
Acq: 24 Mar 2025 15:17

Tgt Ion: 98 Resp: 162792

Ion	Ratio	Lower	Upper
98	100		
100	65.3	52.0	78.0



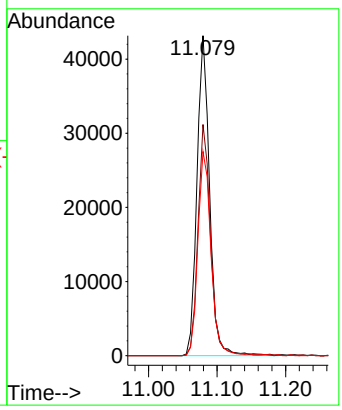


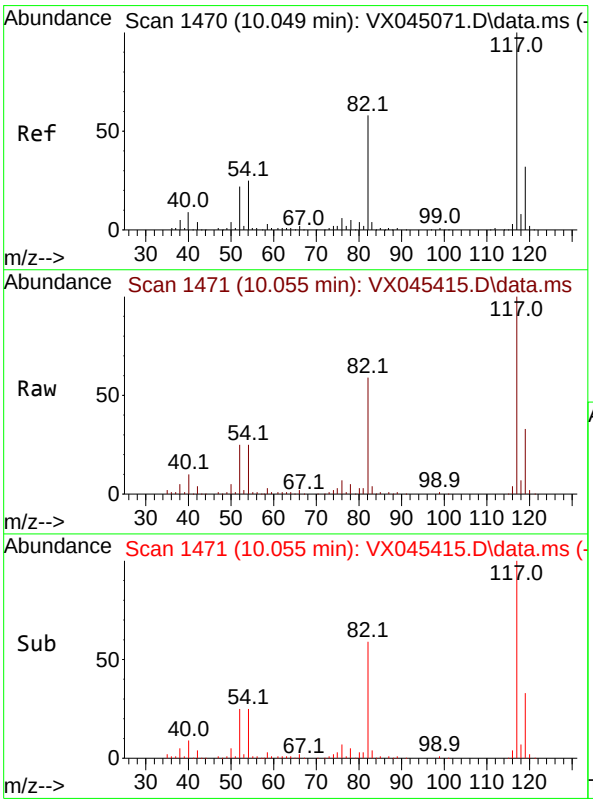
#62
4-Bromofluorobenzene
Concen: 51.424 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045415.D
Acq: 24 Mar 2025 15:17

Instrument :
MSVOA_X
ClientSampleId :
RE132D3-20250318

Tgt Ion: 95 Resp: 55593

Ion	Ratio	Lower	Upper
95	100		
174	72.0	0.0	148.2
176	66.1	0.0	141.4

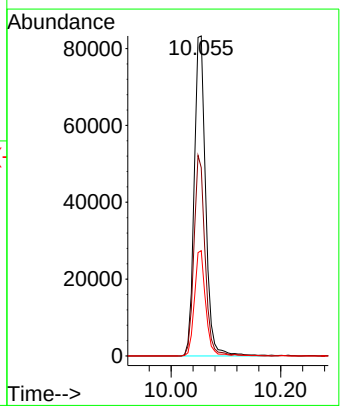


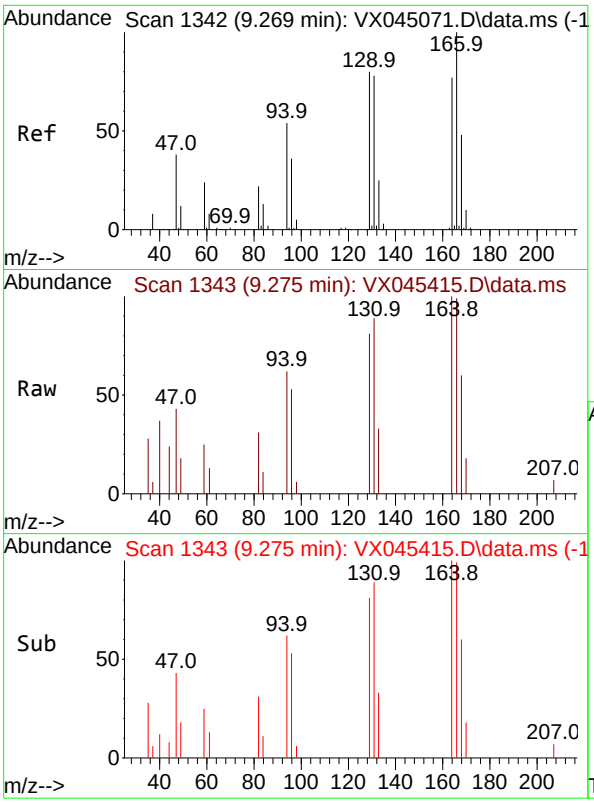


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VX045415.D
Acq: 24 Mar 2025 15:17

Tgt Ion:117 Resp: 121432

Ion	Ratio	Lower	Upper
117	100		
82	58.9	46.3	69.5
119	32.9	25.7	38.5



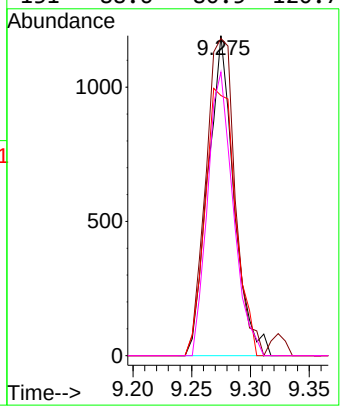


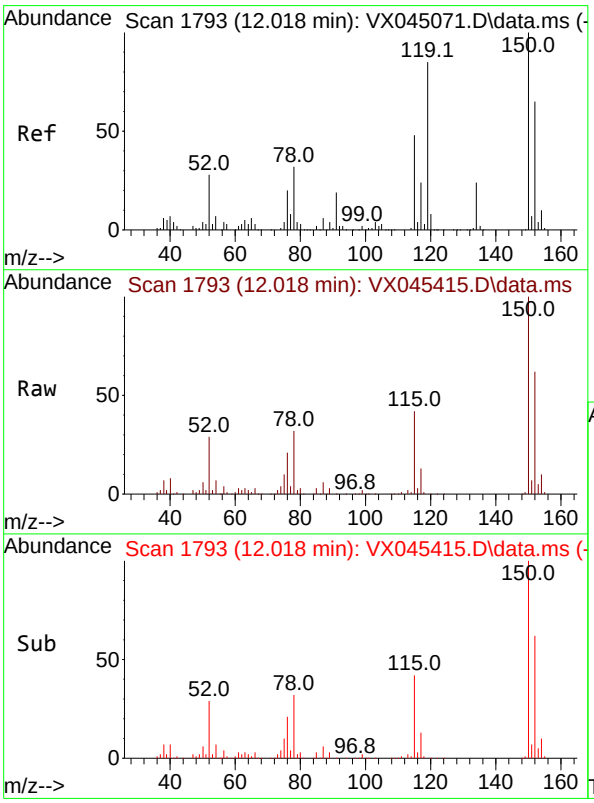
#64
Tetrachloroethene
Concen: 2.365 ug/l
RT: 9.275 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045415.D
Acq: 24 Mar 2025 15:17

Instrument :
MSVOA_X
ClientSampleId :
RE132D3-20250318

Tgt Ion:164 Resp: 1839

Ion	Ratio	Lower	Upper
164	100		
166	99.2	103.6	155.4#
129	81.3	82.7	124.1#
131	88.6	80.5	120.7

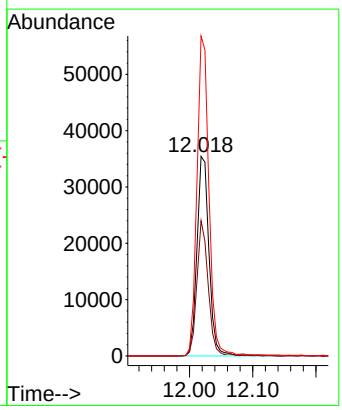




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045415.D
Acq: 24 Mar 2025 15:17

Tgt Ion:152 Resp: 47134

Ion	Ratio	Lower	Upper
152	100		
115	63.8	44.2	132.6
150	159.5	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:	03/18/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/19/25
Client Sample ID:	RE132D4-20250318	SDG No.:	Q1608
Lab Sample ID:	Q1608-16	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
VX045416.D	1		03/24/25 15:41	VX032425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.57	J	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	5.20		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	1.60	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	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	1.40		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	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	170	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:	03/18/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/19/25
Client Sample ID:	RE132D4-20250318	SDG No.:	Q1608
Lab Sample ID:	Q1608-16	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
VX045416.D	1		03/24/25 15:41	VX032425

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	4.90		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	52.3		80 - 119		105%	SPK: 50
2037-26-5	Toluene-d8	49.9		89 - 112		100%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.9		85 - 114		106%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	74800	5.543				
540-36-3	1,4-Difluorobenzene	145000	6.757				
3114-55-4	Chlorobenzene-d5	133000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	54700	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:	03/18/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/19/25
Client Sample ID:	RE132D4-20250318	SDG No.:	Q1608
Lab Sample ID:	Q1608-16	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
VX045416.D	1		03/24/25 15:41	VX032425

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\VX032425\
Data File : VX045416.D
Acq On : 24 Mar 2025 15:41
Operator : JC/MD
Sample : Q1608-16
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RE132D4-20250318

Quant Time: Mar 25 01:35:43 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

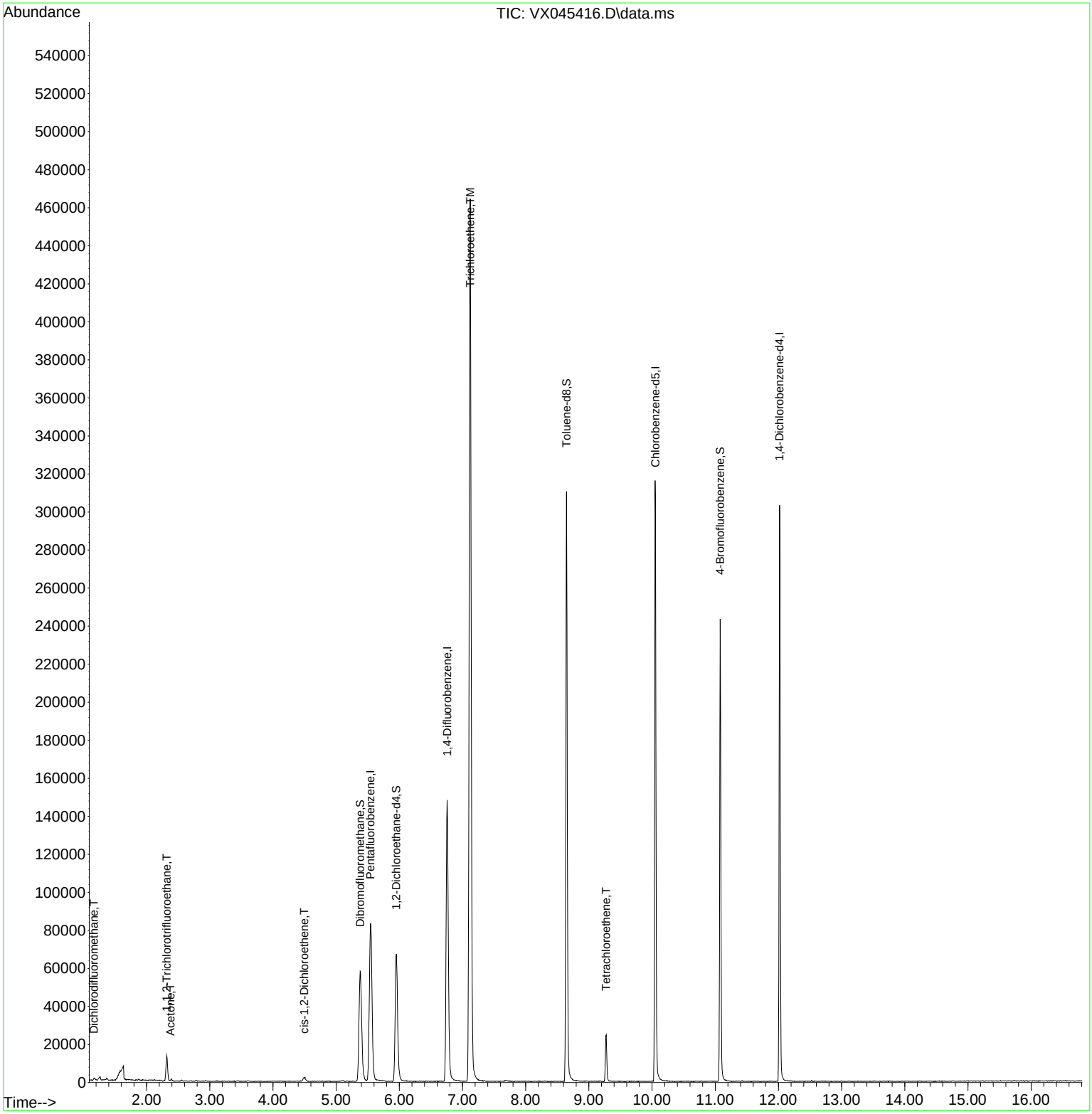
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.543	168	74803	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	145079	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	132750	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	54723	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	66210	55.646	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 111.300%			
35) Dibromofluoromethane	5.379	113	50696	52.258	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.520%			
50) Toluene-d8	8.646	98	175327	49.852	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.700%			
62) 4-Bromofluorobenzene	11.079	95	61643	52.893	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 105.780%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	535	0.568	ug/l	71
9) 1,1,2-Trichlorotrifluo...	2.318	101	4519	5.198	ug/l	97
16) Acetone	2.379	43	880	1.594	ug/l	96
27) cis-1,2-Dichloroethene	4.495	96	1579	1.409	ug/l	86
44) Trichloroethene	7.122	130	169741	172.071	ug/l	96
64) Tetrachloroethene	9.274	164	4149	4.880	ug/l	93

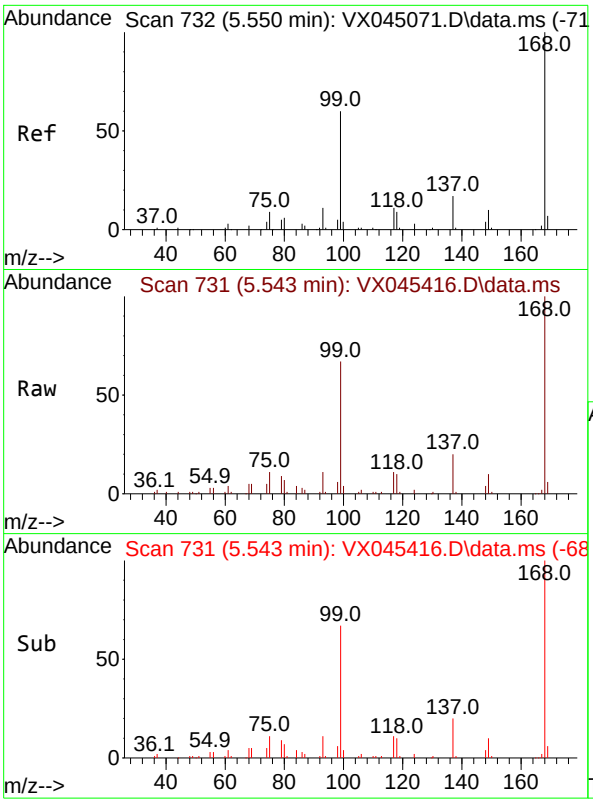
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032425\
Data File : VX045416.D
Acq On : 24 Mar 2025 15:41
Operator : JC/MD
Sample : Q1608-16
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RE132D4-20250318

Quant Time: Mar 25 01:35:43 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



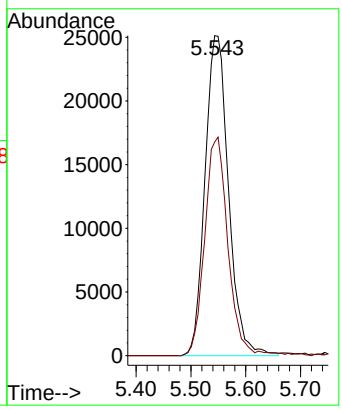


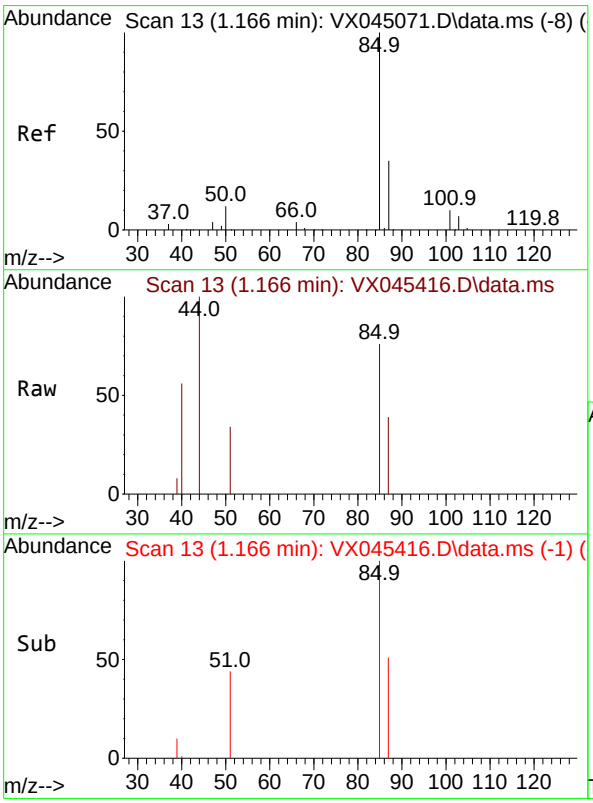
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.543 min Scan# 7
Delta R.T. -0.007 min
Lab File: VX045416.D
Acq: 24 Mar 2025 15:41

Instrument :
MSVOA_X
ClientSampleId :
RE132D4-20250318

Tgt Ion:168 Resp: 74803

Ion	Ratio	Lower	Upper
168	100		
99	66.8	48.2	72.4

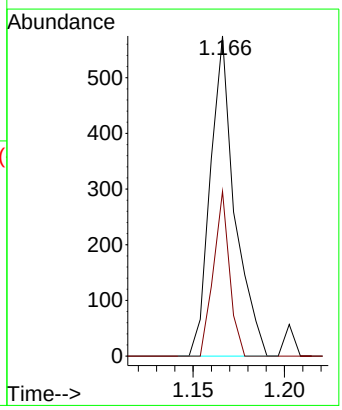


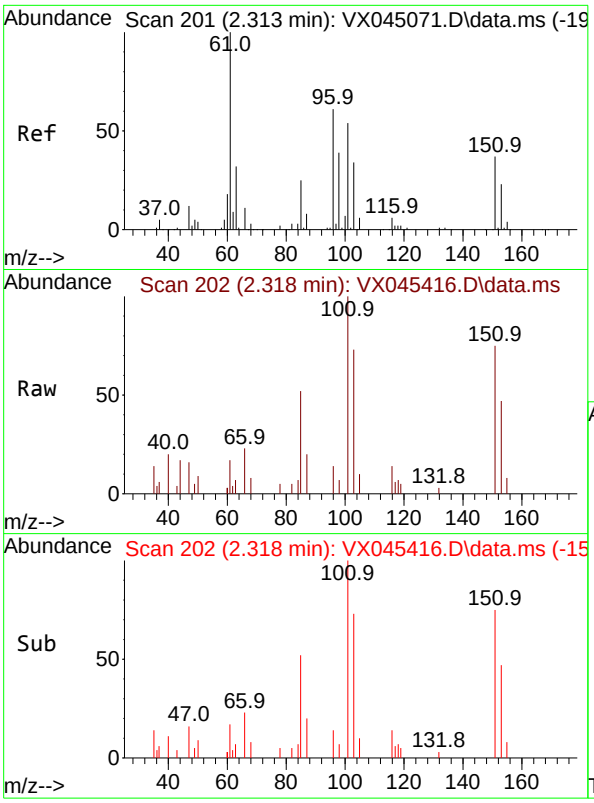


#2
Dichlorodifluoromethane
Concen: 0.568 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX045416.D
Acq: 24 Mar 2025 15:41

Tgt Ion: 85 Resp: 535

Ion	Ratio	Lower	Upper
85	100		
87	51.5	17.4	52.3



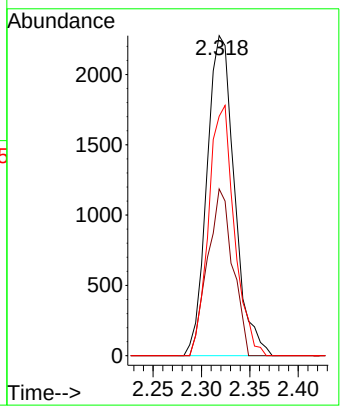


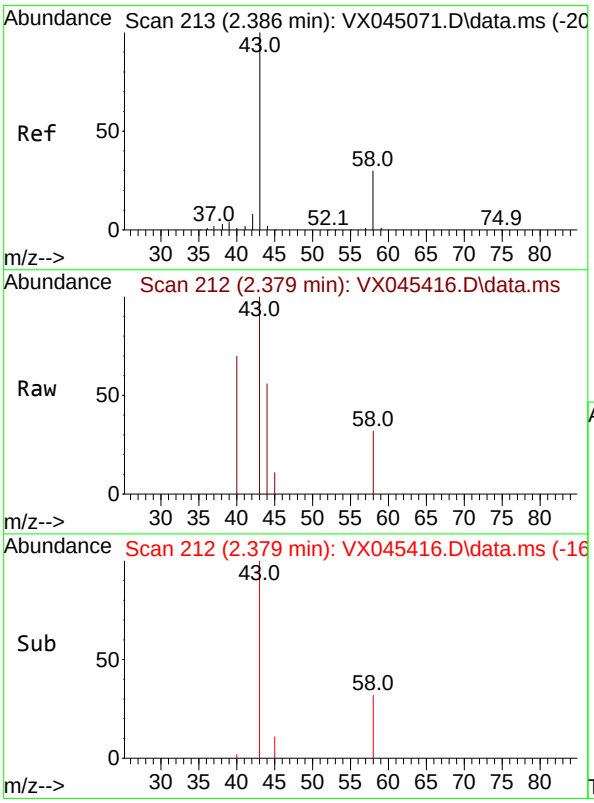
#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.198 ug/l
RT: 2.318 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX045416.D
Acq: 24 Mar 2025 15:41

Instrument :
MSVOA_X
ClientSampleId :
RE132D4-20250318

Tgt Ion:101 Resp: 4519

Ion	Ratio	Lower	Upper
101	100		
85	47.6	36.2	54.4
151	73.1	56.4	84.6

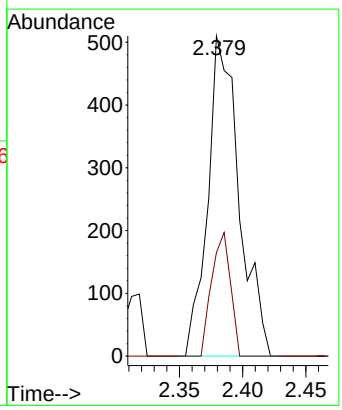


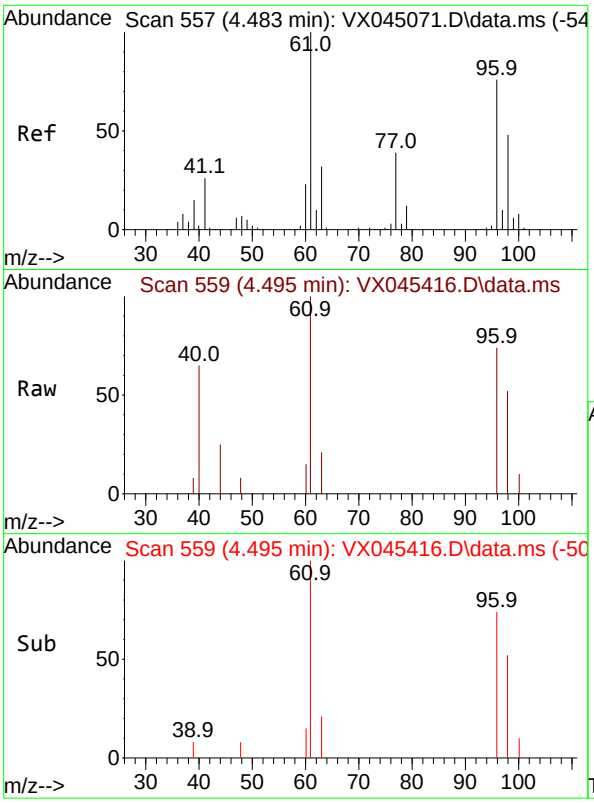


#16
Acetone
Concen: 1.594 ug/l
RT: 2.379 min Scan# 212
Delta R.T. -0.007 min
Lab File: VX045416.D
Acq: 24 Mar 2025 15:41

Tgt Ion: 43 Resp: 880

Ion	Ratio	Lower	Upper
43	100		
58	32.4	24.2	36.4



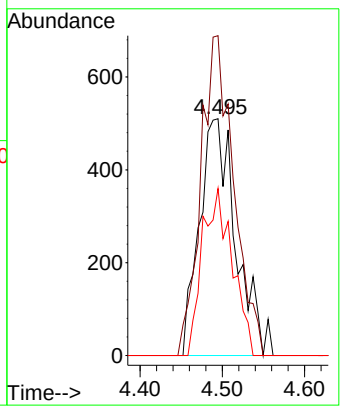


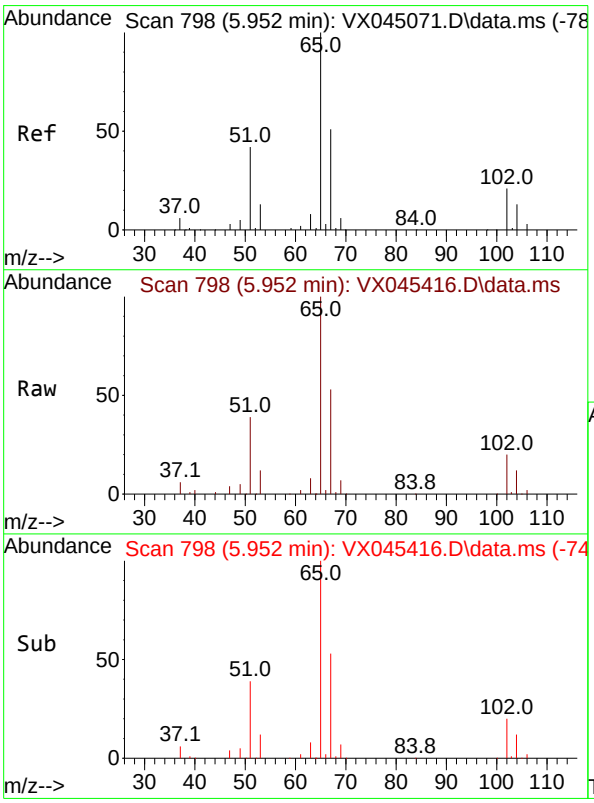
#27
cis-1,2-Dichloroethene
Concen: 1.409 ug/l
RT: 4.495 min Scan# 5
Delta R.T. 0.012 min
Lab File: VX045416.D
Acq: 24 Mar 2025 15:41

Instrument :
MSVOA_X
ClientSampleId :
RE132D4-20250318

Tgt Ion: 96 Resp: 1579

Ion	Ratio	Lower	Upper
96	100		
61	121.2	0.0	283.2
98	57.6	0.0	128.0

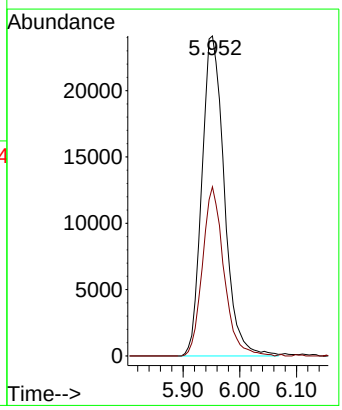


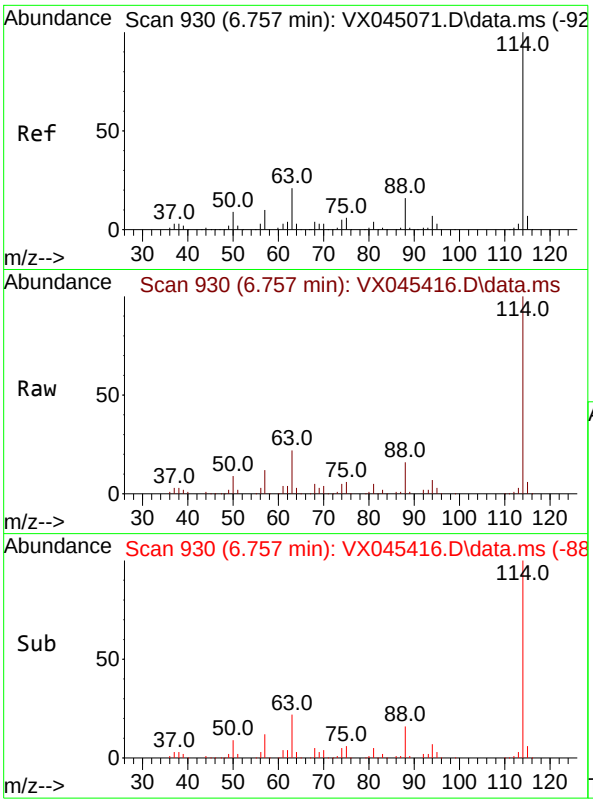


#33
1,2-Dichloroethane-d4
Concen: 55.646 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX045416.D
Acq: 24 Mar 2025 15:41

Tgt Ion: 65 Resp: 66210

Ion	Ratio	Lower	Upper
65	100		
67	50.6	0.0	106.2



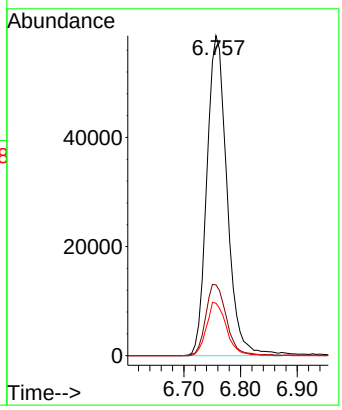


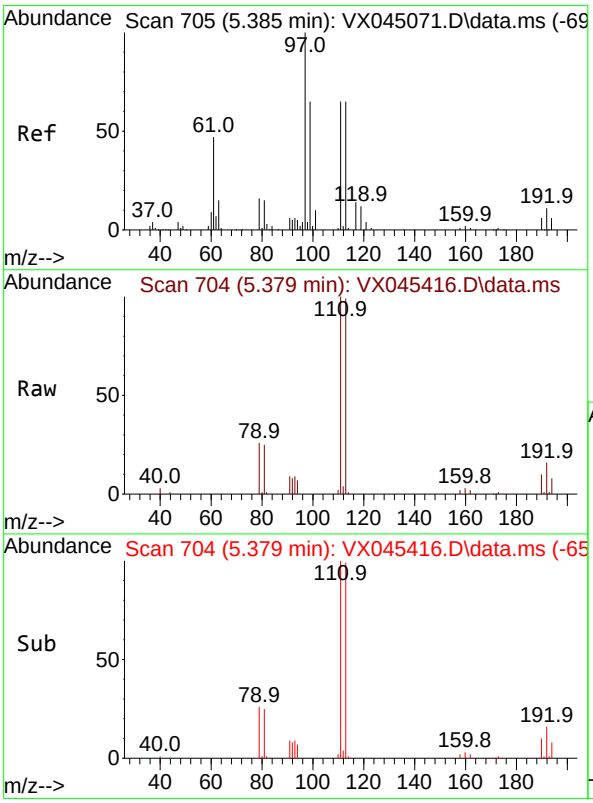
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX045416.D
Acq: 24 Mar 2025 15:41

Instrument :
MSVOA_X
ClientSampleId :
RE132D4-20250318

Tgt Ion:114 Resp: 145079

Ion	Ratio	Lower	Upper
114	100		
63	22.1	0.0	41.8
88	16.4	0.0	32.8

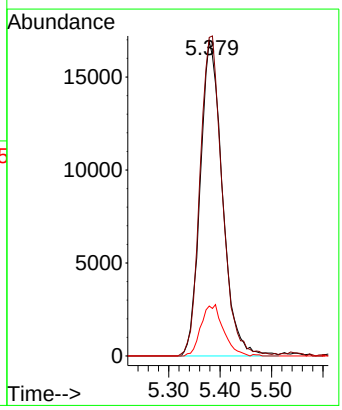


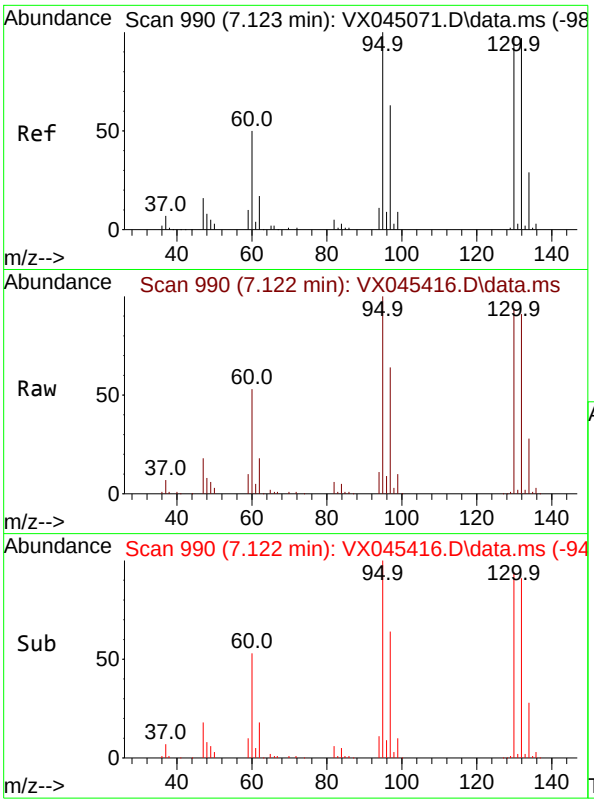


#35
Dibromofluoromethane
Concen: 52.258 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX045416.D
Acq: 24 Mar 2025 15:41

Tgt Ion:113 Resp: 50696

Ion	Ratio	Lower	Upper
113	100		
111	101.6	81.8	122.6
192	16.4	14.3	21.5



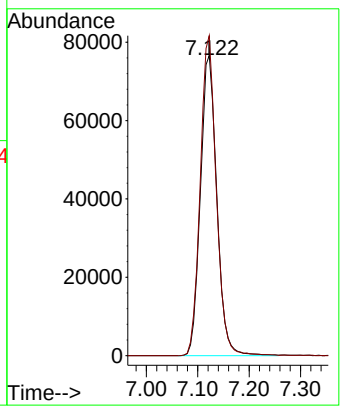


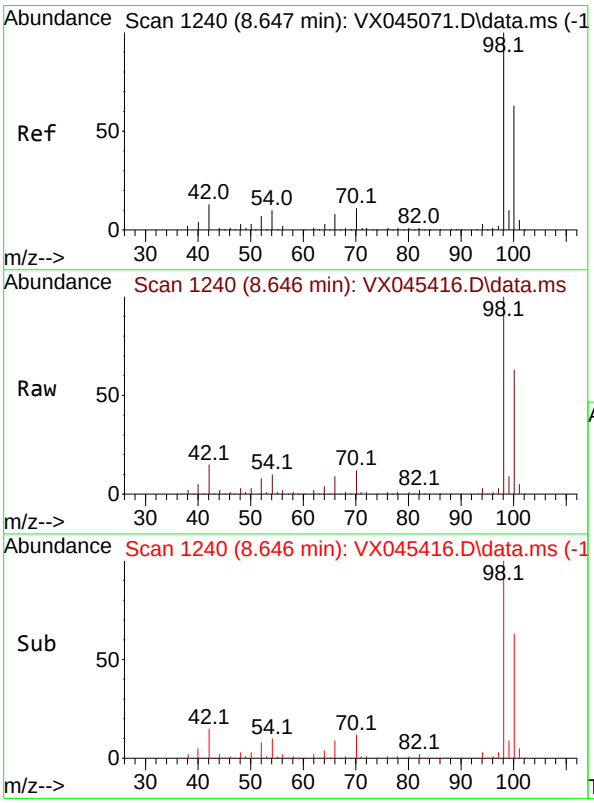
#44
Trichloroethene
Concen: 172.071 ug/l
RT: 7.122 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX045416.D
Acq: 24 Mar 2025 15:41

Instrument :
MSVOA_X
ClientSampleId :
RE132D4-20250318

Tgt Ion:130 Resp: 169741

Ion	Ratio	Lower	Upper
130	100		
95	106.5	0.0	205.0

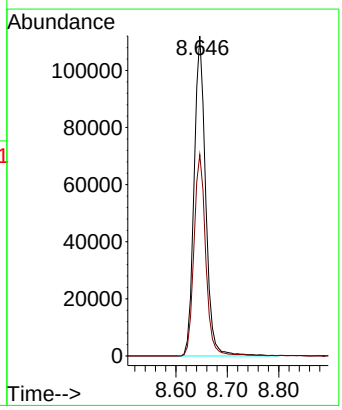


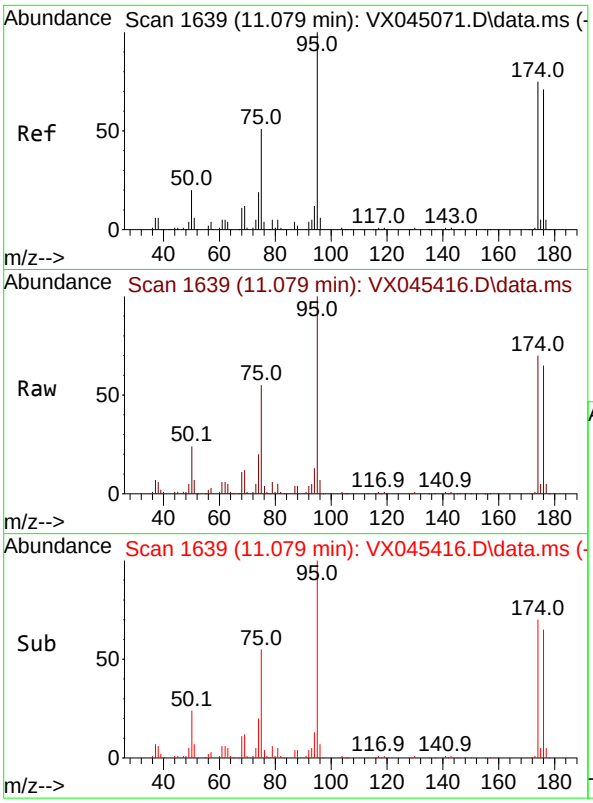


#50
Toluene-d8
Concen: 49.852 ug/l
RT: 8.646 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045416.D
Acq: 24 Mar 2025 15:41

Tgt Ion: 98 Resp: 175327

Ion	Ratio	Lower	Upper
98	100		
100	64.0	52.0	78.0



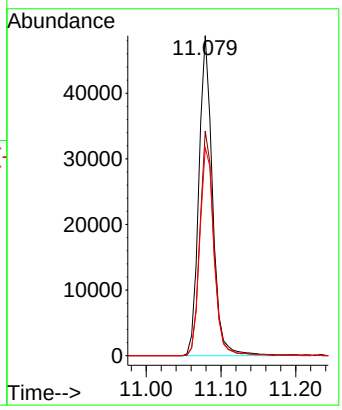


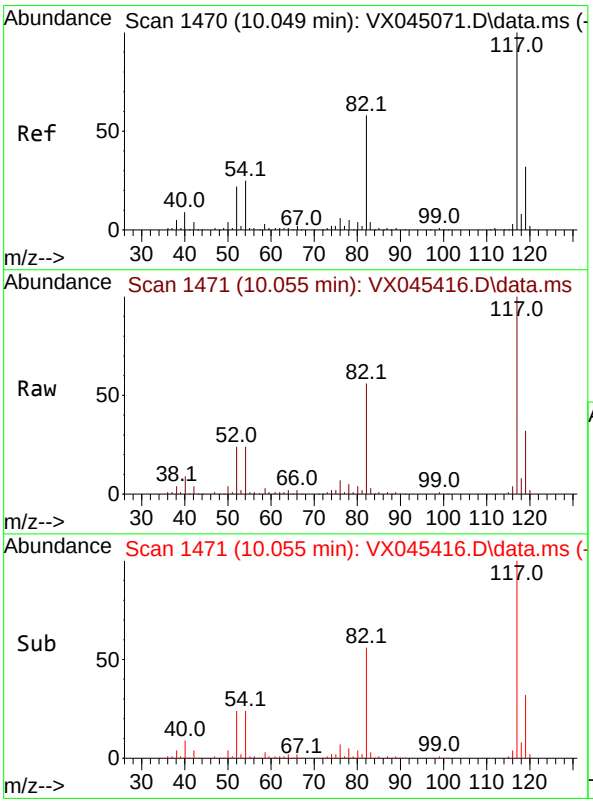
#62
4-Bromofluorobenzene
Concen: 52.893 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045416.D
Acq: 24 Mar 2025 15:41

Instrument :
MSVOA_X
ClientSampleId :
RE132D4-20250318

Tgt Ion: 95 Resp: 61643

Ion	Ratio	Lower	Upper
95	100		
174	71.7	0.0	148.2
176	68.3	0.0	141.4

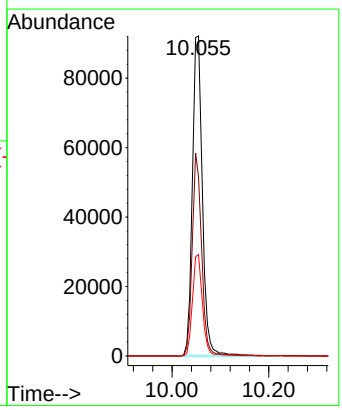


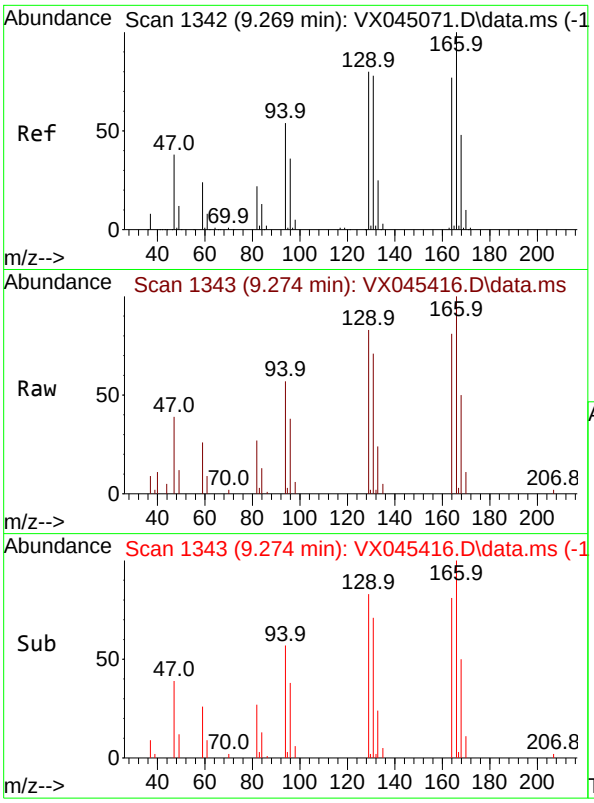


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VX045416.D
Acq: 24 Mar 2025 15:41

Tgt Ion:117 Resp: 132750

Ion	Ratio	Lower	Upper
117	100		
82	56.0	46.3	69.5
119	31.7	25.7	38.5



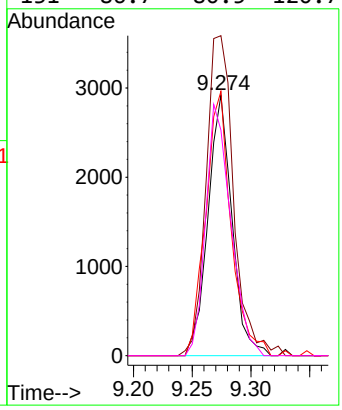


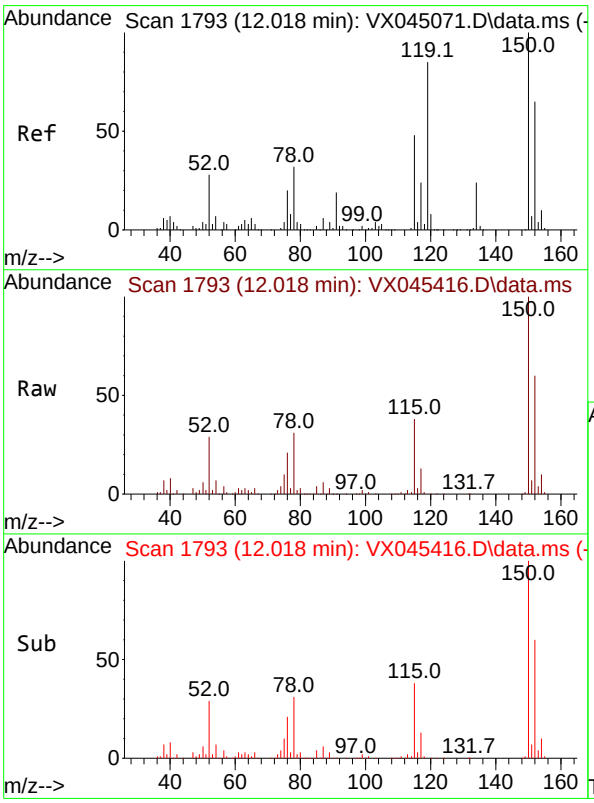
#64
Tetrachloroethene
Concen: 4.880 ug/l
RT: 9.274 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045416.D
Acq: 24 Mar 2025 15:41

Instrument :
MSVOA_X
ClientSampleId :
RE132D4-20250318

Tgt Ion:164 Resp: 4149

Ion	Ratio	Lower	Upper
164	100		
166	122.9	103.6	155.4
129	101.5	82.7	124.1
131	86.7	80.5	120.7

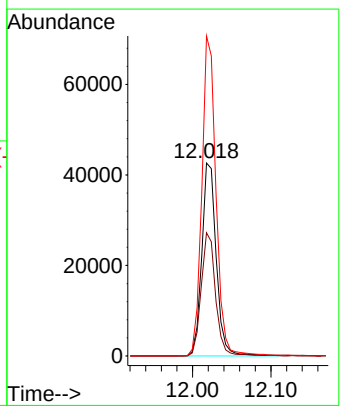




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045416.D
Acq: 24 Mar 2025 15:41

Tgt Ion:152 Resp: 54723

Ion	Ratio	Lower	Upper
152	100		
115	63.6	44.2	132.6
150	162.1	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:	03/18/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/19/25
Client Sample ID:	RE132D4-20250318DL	SDG No.:	Q1608
Lab Sample ID:	Q1608-16DL	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
VX045442.D	4		03/25/25 15:59	VX032525

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	5.70	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	UDQ	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	170	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
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

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Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/19/25
Client Sample ID:	RE132D4-20250318DL	SDG No.:	Q1608
Lab Sample ID:	Q1608-16DL	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
VX045442.D	4		03/25/25 15:59	VX032525

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	5.50	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	55.4		81 - 118		111%	SPK: 50
1868-53-7	Dibromofluoromethane	48.5		80 - 119		97%	SPK: 50
2037-26-5	Toluene-d8	48.0		89 - 112		96%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.2		85 - 114		102%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	69500	5.544				
540-36-3	1,4-Difluorobenzene	138000	6.757				
3114-55-4	Chlorobenzene-d5	128000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	50800	12.018				

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Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/19/25
Client Sample ID:	RE132D4-20250318DL	SDG No.:	Q1608
Lab Sample ID:	Q1608-16DL	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
VX045442.D	4		03/25/25 15:59	VX032525

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\VX032525\
Data File : VX045442.D
Acq On : 25 Mar 2025 15:59
Operator : JC/MD
Sample : Q1608-16DL 4X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RE132D4-20250318DL

Quant Time: Mar 26 05:20:26 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

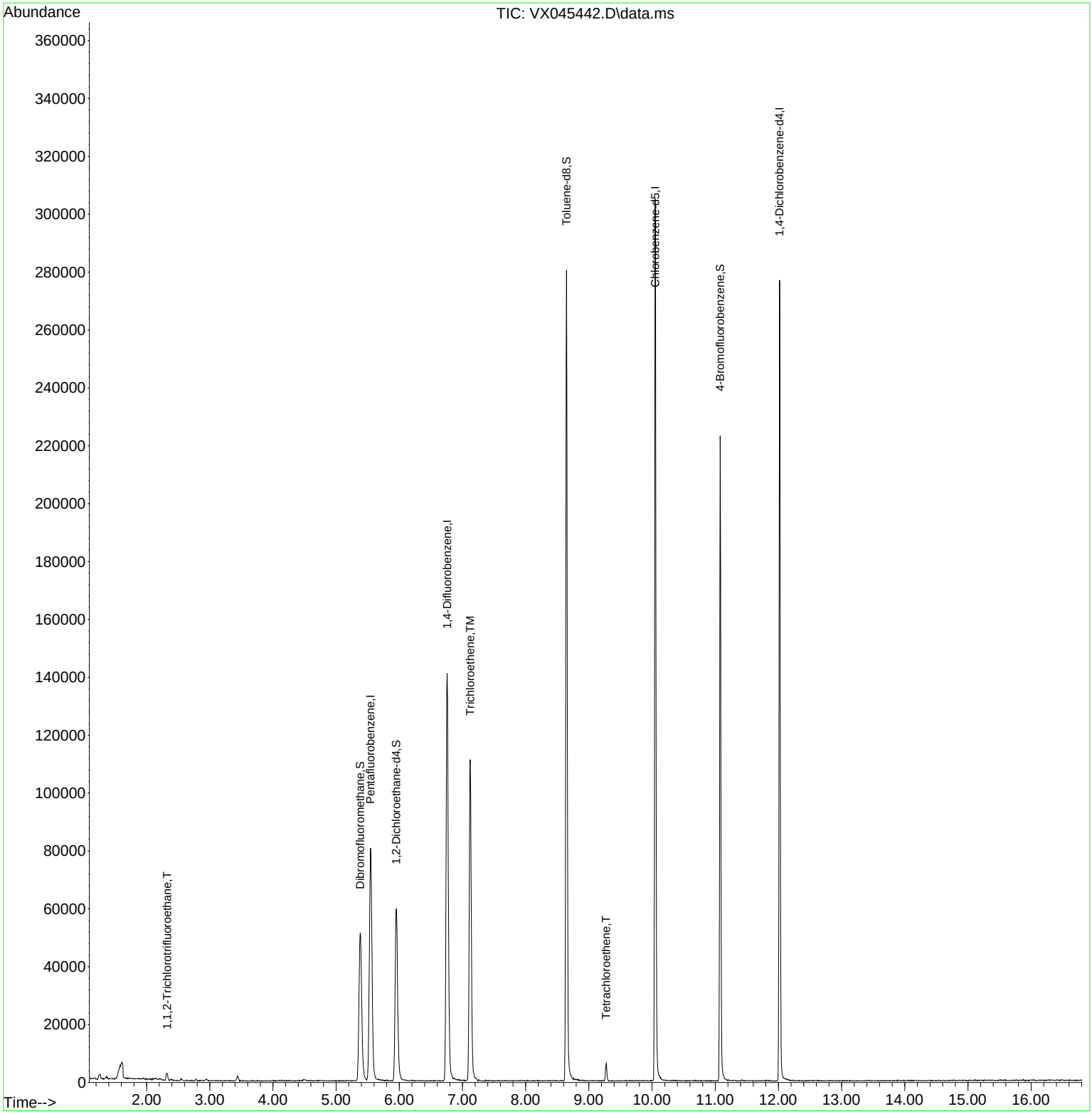
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	69510	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	138470	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	127707	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	50801	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	61209	55.360	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 110.720%			
35) Dibromofluoromethane	5.379	113	44932	48.527	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.060%			
50) Toluene-d8	8.647	98	161111	47.996	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 96.000%			
62) 4-Bromofluorobenzene	11.079	95	56923	51.175	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 102.340%			
Target Compounds						Qvalue
9) 1,1,2-Trichlorotrifluo...	2.325	101	1159	1.435	ug/l	90
44) Trichloroethene	7.123	130	40933	43.475	ug/l	99
64) Tetrachloroethene	9.275	164	1124	1.374	ug/l	90

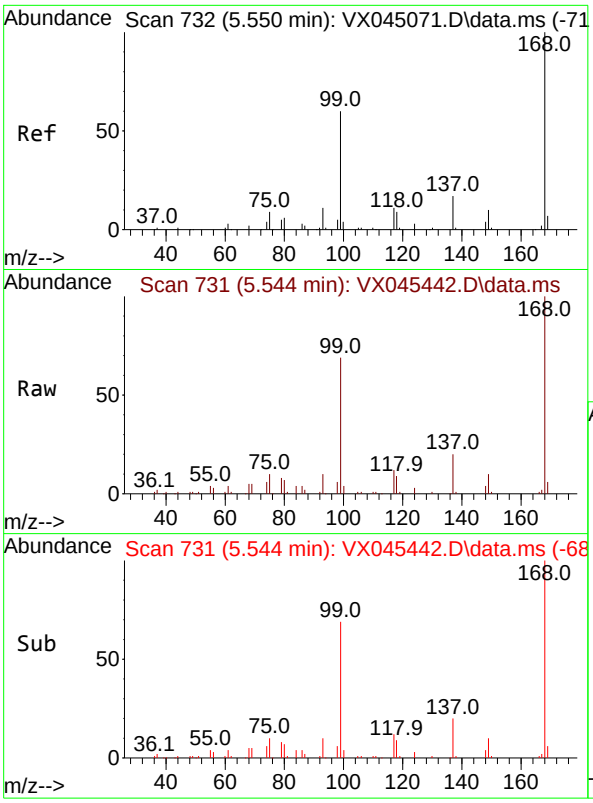
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032525\
Data File : VX045442.D
Acq On : 25 Mar 2025 15:59
Operator : JC/MD
Sample : Q1608-16DL 4X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RE132D4-20250318DL

Quant Time: Mar 26 05:20:26 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



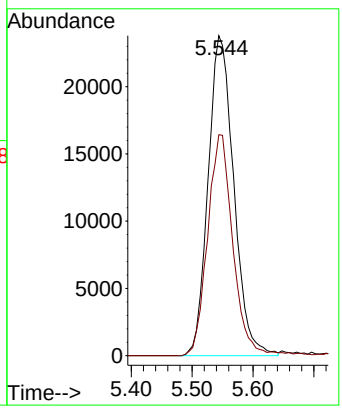


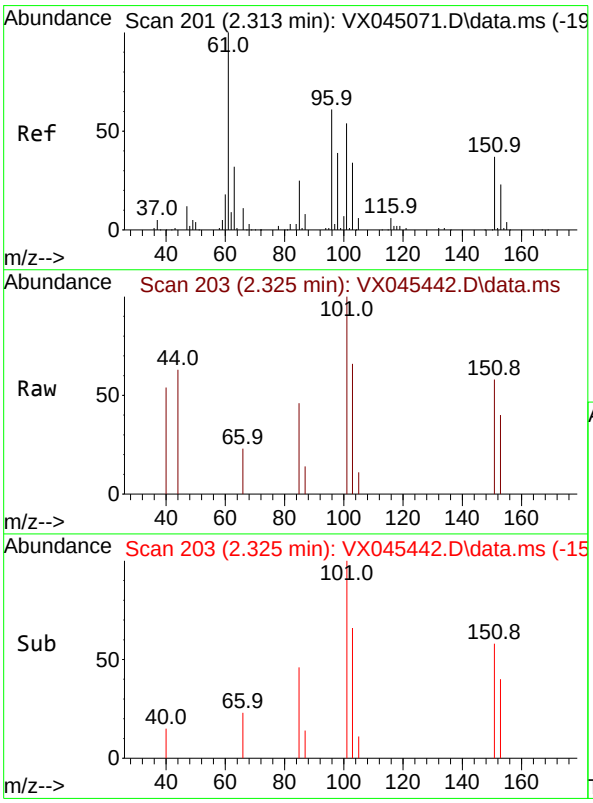
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045442.D
Acq: 25 Mar 2025 15:59

Instrument :
MSVOA_X
ClientSampleId :
RE132D4-20250318DL

Tgt Ion:168 Resp: 69510

Ion	Ratio	Lower	Upper
168	100		
99	69.1	48.2	72.4

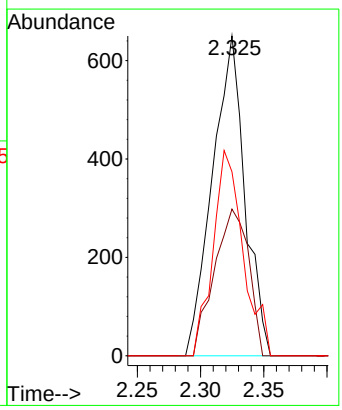


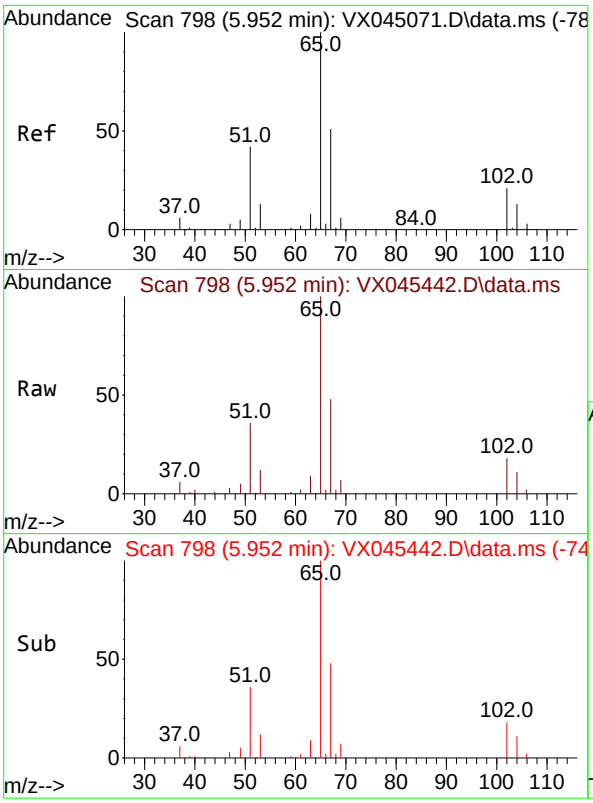


#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.435 ug/l
RT: 2.325 min Scan# 203
Delta R.T. 0.012 min
Lab File: VX045442.D
Acq: 25 Mar 2025 15:59

Tgt Ion:101 Resp: 1159

Ion	Ratio	Lower	Upper
101	100		
85	48.7	36.2	54.4
151	59.5	56.4	84.6



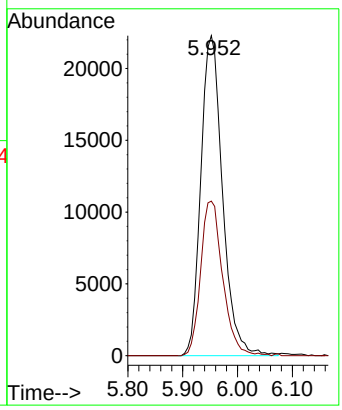


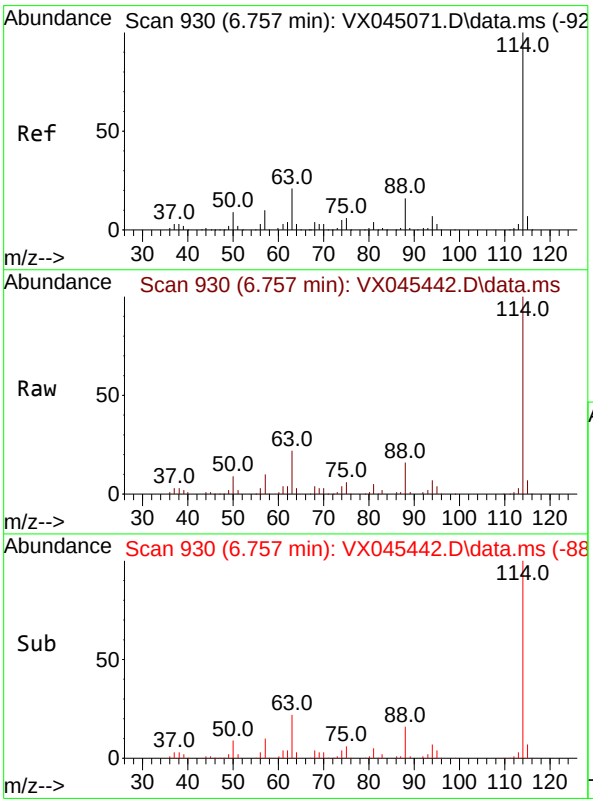
#33
1,2-Dichloroethane-d4
Concen: 55.360 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045442.D
Acq: 25 Mar 2025 15:59

Instrument :
MSVOA_X
ClientSampleId :
RE132D4-20250318DL

Tgt Ion: 65 Resp: 61209

Ion	Ratio	Lower	Upper
65	100		
67	49.1	0.0	106.2

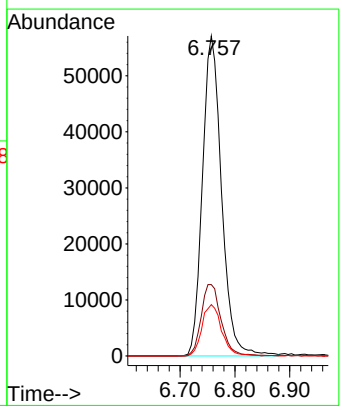


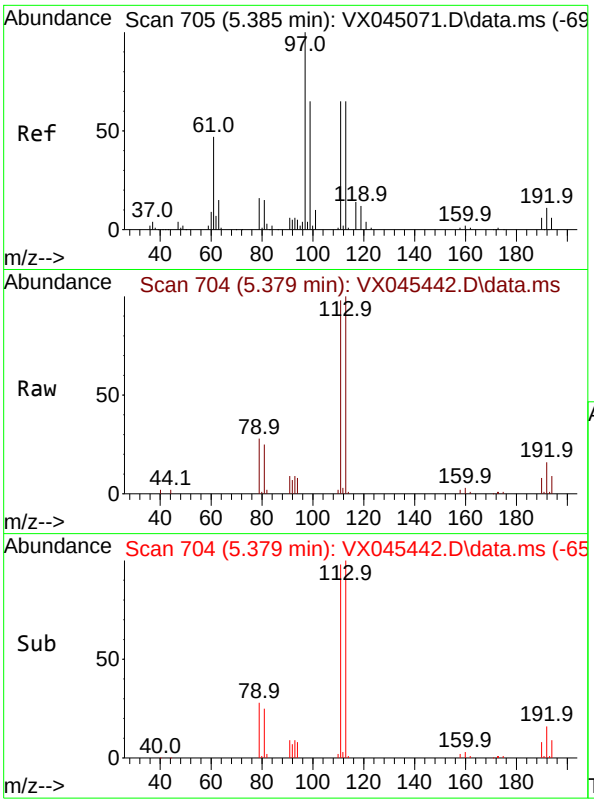


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX045442.D
Acq: 25 Mar 2025 15:59

Tgt Ion:114 Resp: 138470

Ion	Ratio	Lower	Upper
114	100		
63	22.3	0.0	41.8
88	16.1	0.0	32.8



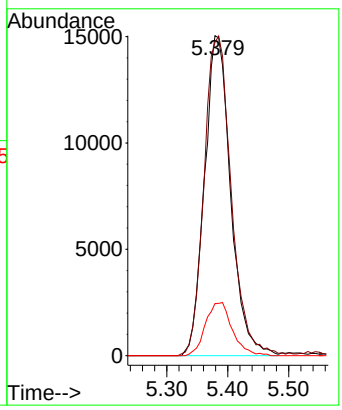


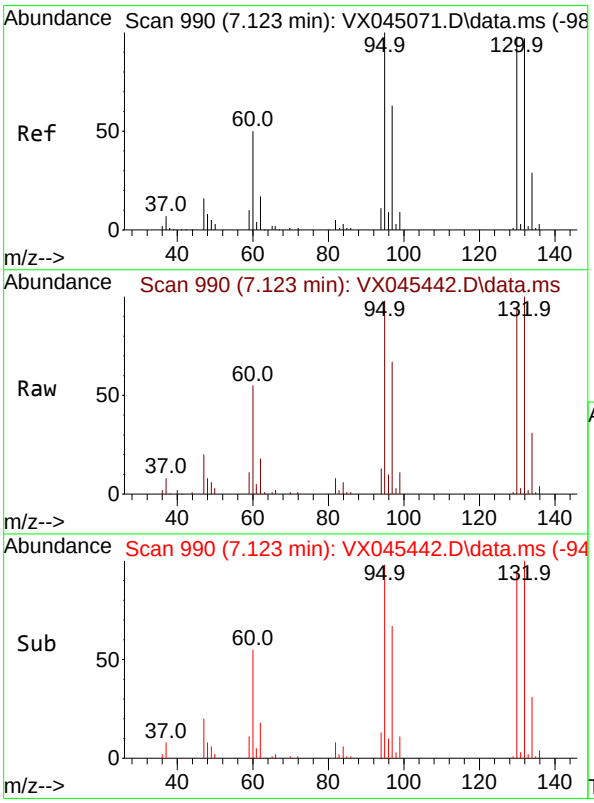
#35
Dibromofluoromethane
Concen: 48.527 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045442.D
Acq: 25 Mar 2025 15:59

Instrument :
MSVOA_X
ClientSampleId :
RE132D4-20250318DL

Tgt Ion:113 Resp: 44932

Ion	Ratio	Lower	Upper
113	100		
111	103.5	81.8	122.6
192	17.0	14.3	21.5

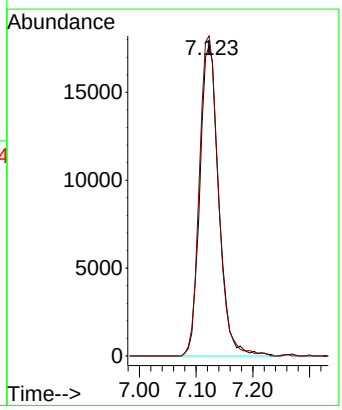


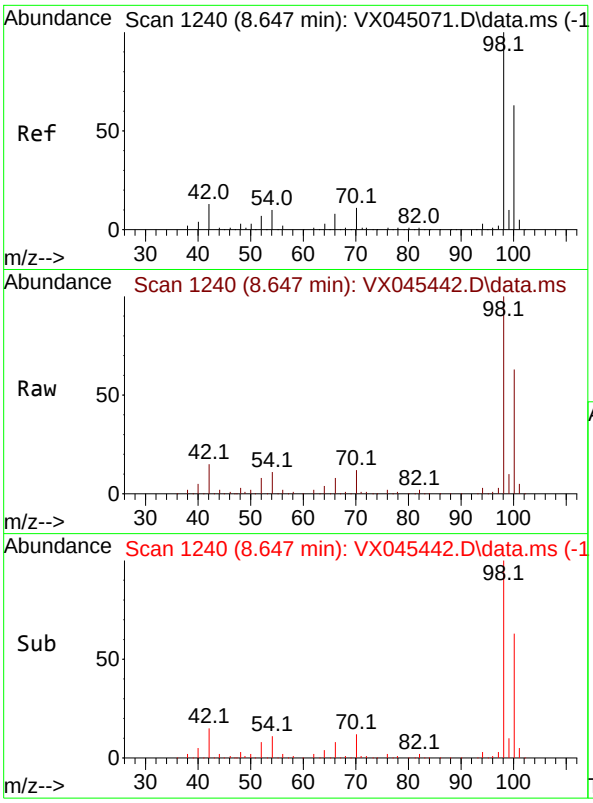


#44
Trichloroethene
Concen: 43.475 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX045442.D
Acq: 25 Mar 2025 15:59

Tgt Ion:130 Resp: 40933

Ion	Ratio	Lower	Upper
130	100		
95	103.3	0.0	205.0



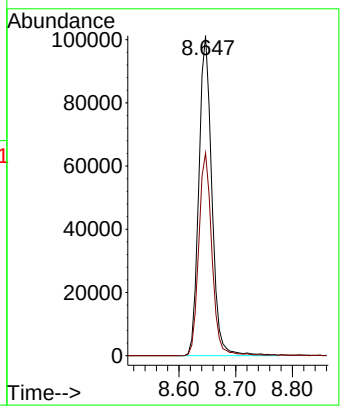


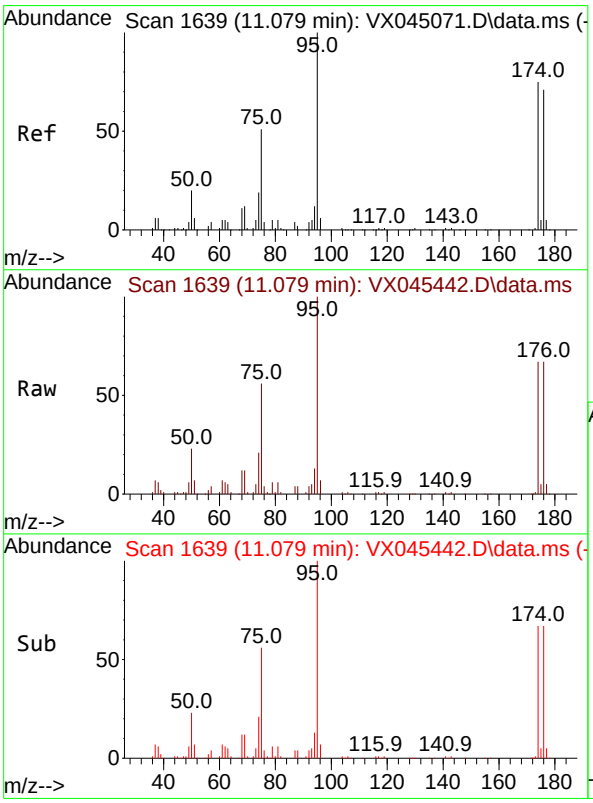
#50
Toluene-d8
Concen: 47.996 ug/l
RT: 8.647 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045442.D
Acq: 25 Mar 2025 15:59

Instrument :
MSVOA_X
ClientSampleId :
RE132D4-20250318DL

Tgt Ion: 98 Resp: 161111

Ion	Ratio	Lower	Upper
98	100		
100	63.9	52.0	78.0

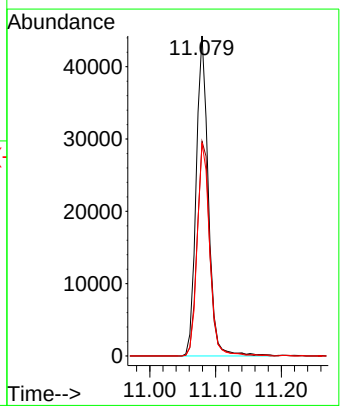


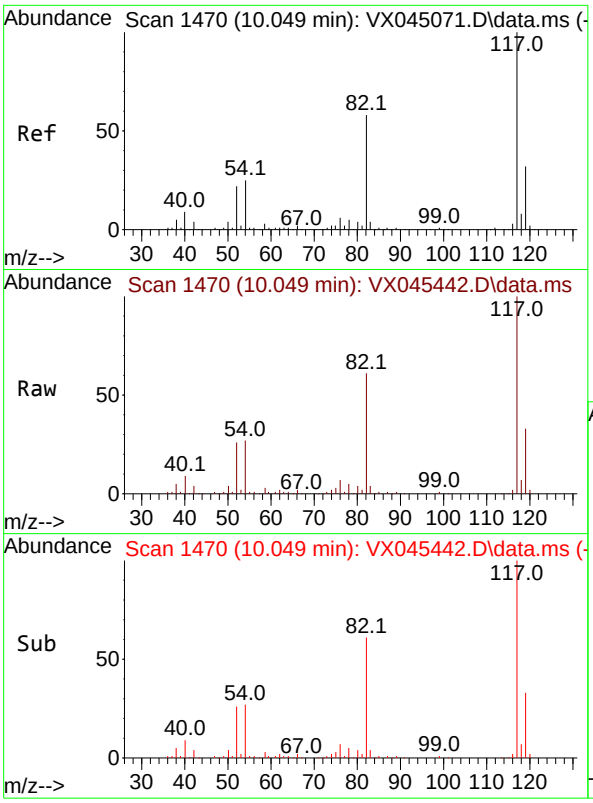


#62
4-Bromofluorobenzene
Concen: 51.175 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045442.D
Acq: 25 Mar 2025 15:59

Tgt Ion: 95 Resp: 56923

Ion	Ratio	Lower	Upper
95	100		
174	69.6	0.0	148.2
176	68.0	0.0	141.4



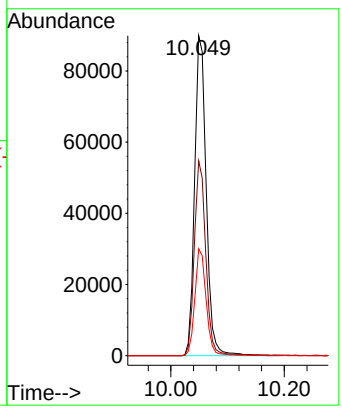


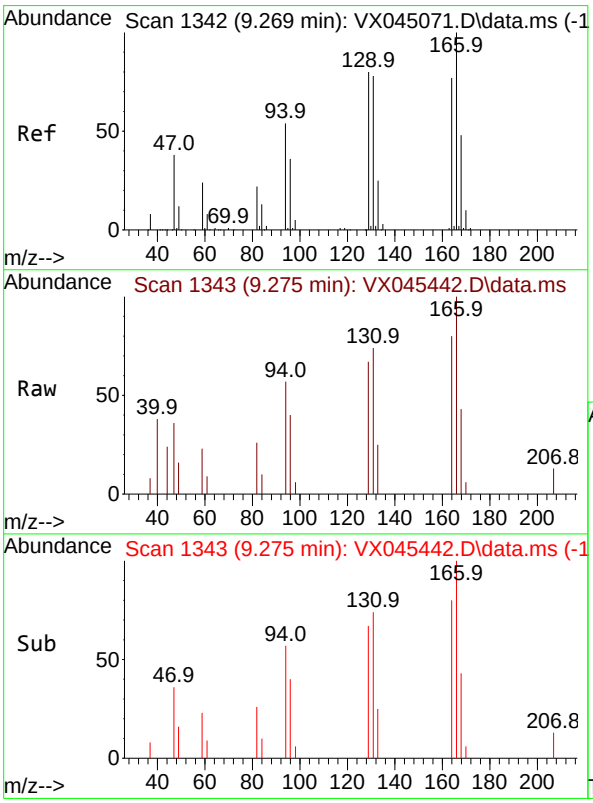
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045442.D
Acq: 25 Mar 2025 15:59

Instrument :
MSVOA_X
ClientSampleId :
RE132D4-20250318DL

Tgt Ion:117 Resp: 127707

Ion	Ratio	Lower	Upper
117	100		
82	60.9	46.3	69.5
119	33.4	25.7	38.5

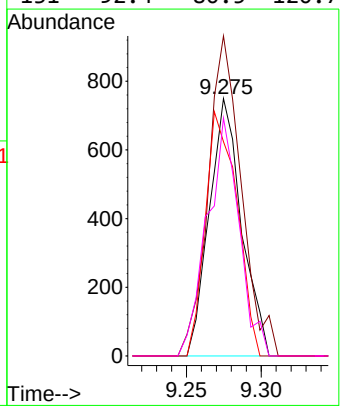


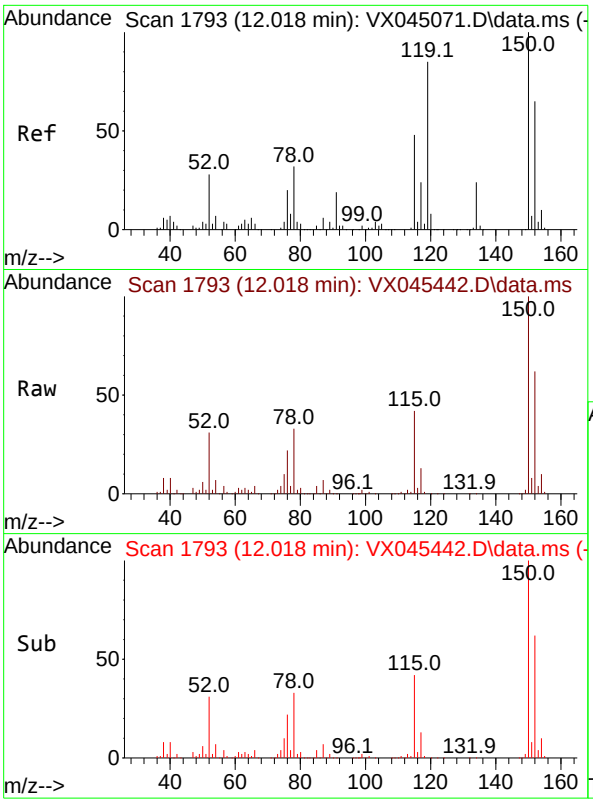


#64
Tetrachloroethene
Concen: 1.374 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.006 min
Lab File: VX045442.D
Acq: 25 Mar 2025 15:59

Tgt Ion:164 Resp: 1124

Ion	Ratio	Lower	Upper
164	100		
166	124.3	103.6	155.4
129	83.2	82.7	124.1
131	92.4	80.5	120.7



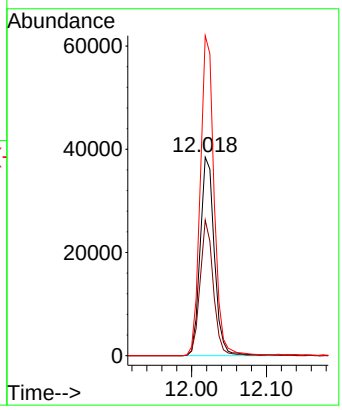


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045442.D
Acq: 25 Mar 2025 15:59

Instrument :
MSVOA_X
ClientSampleId :
RE132D4-20250318DL

Tgt Ion:152 Resp: 50801

Ion	Ratio	Lower	Upper
152	100		
115	63.8	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:	03/18/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/19/25
Client Sample ID:	RE132D5-20250318	SDG No.:	Q1608
Lab Sample ID:	Q1608-17	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
VX045417.D	1		03/24/25 16:04	VX032425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	1.70		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	12.4		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	2.80		0.23	0.75	1.00	ug/L
67-64-1	Acetone	1.80	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	1.70		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	1.40		0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.16	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	160	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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Fax : 908 789 8922

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	03/18/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/19/25
Client Sample ID:	RE132D5-20250318	SDG No.:	Q1608
Lab Sample ID:	Q1608-17	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
VX045417.D	1		03/24/25 16:04	VX032425

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	57.7		81 - 118		115%	SPK: 50
1868-53-7	Dibromofluoromethane	52.4		80 - 119		105%	SPK: 50
2037-26-5	Toluene-d8	50.8		89 - 112		102%	SPK: 50
460-00-4	4-Bromofluorobenzene	55.0		85 - 114		110%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	64800	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	50400	12.018				

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Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	03/18/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/19/25
Client Sample ID:	RE132D5-20250318	SDG No.:	Q1608
Lab Sample ID:	Q1608-17	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
VX045417.D	1		03/24/25 16:04	VX032425

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\VX032425\
Data File : VX045417.D
Acq On : 24 Mar 2025 16:04
Operator : JC/MD
Sample : Q1608-17
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RE132D5-20250318

Quant Time: Mar 25 01:36:11 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

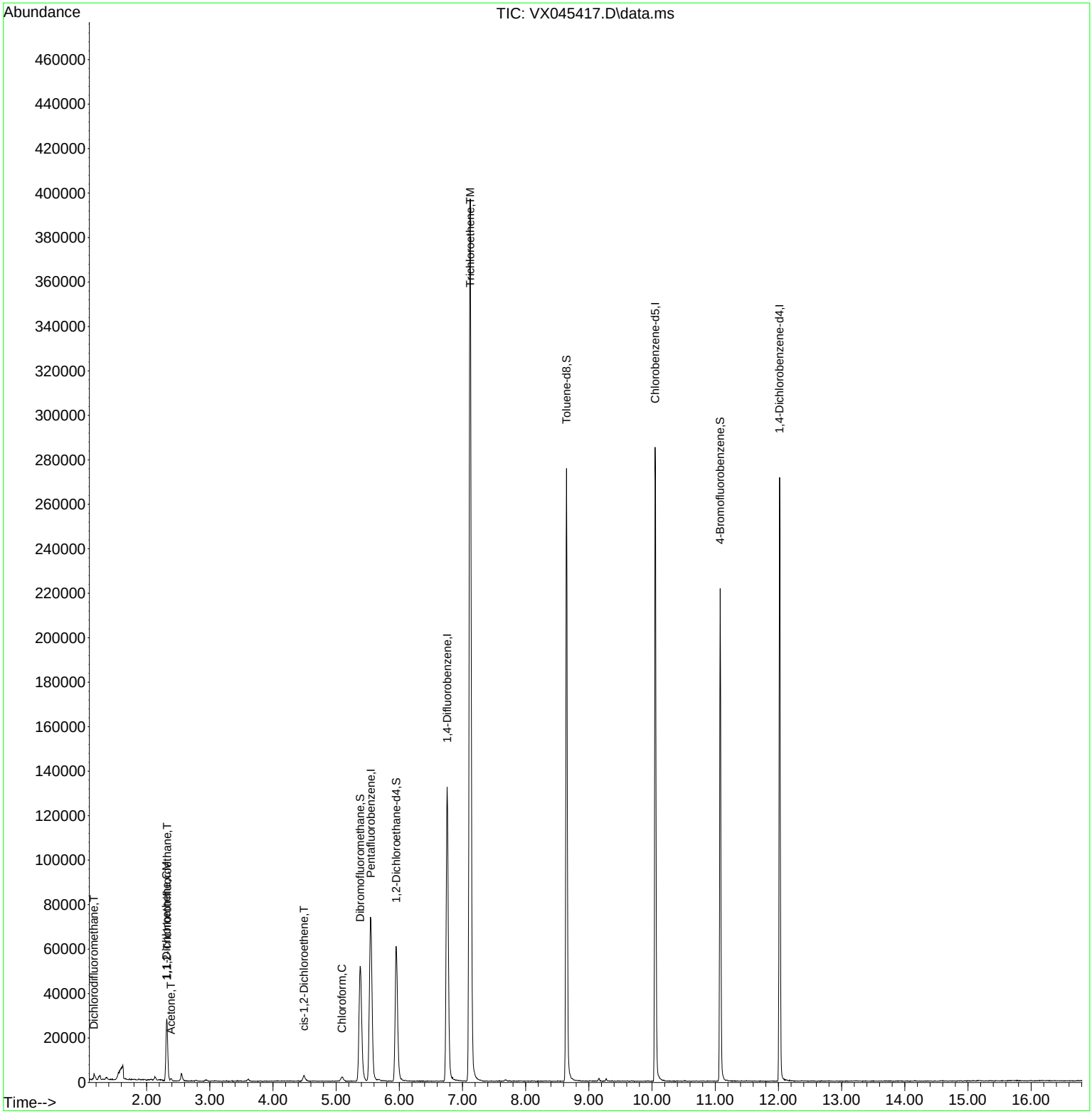
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	64789	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	128718	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	120307	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	50372	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	59465	57.701	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 115.400%			
35) Dibromofluoromethane	5.379	113	45081	52.377	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.760%			
50) Toluene-d8	8.647	98	158514	50.800	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.600%			
62) 4-Bromofluorobenzene	11.079	95	56895	55.025	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 110.040%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	1390	1.704	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.325	101	9369	12.442	ug/l	100
12) 1,1-Dichloroethene	2.312	96	2260	2.839	ug/l #	92
16) Acetone	2.386	43	884	1.849	ug/l	99
27) cis-1,2-Dichloroethene	4.489	96	1624	1.673	ug/l	100
30) Chloroform	5.092	83	2290	1.427	ug/l #	78
44) Trichloroethene	7.123	130	144011	164.544	ug/l	98

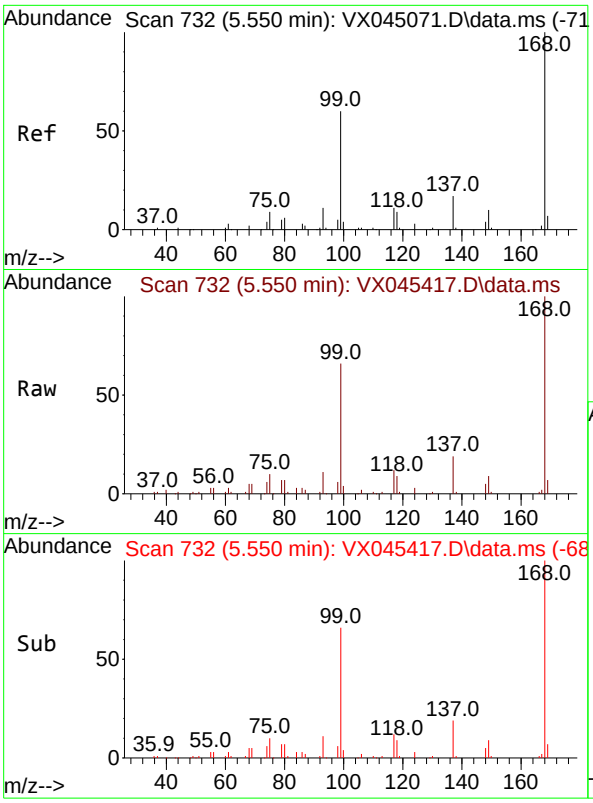
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032425\
Data File : VX045417.D
Acq On : 24 Mar 2025 16:04
Operator : JC/MD
Sample : Q1608-17
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RE132D5-20250318

Quant Time: Mar 25 01:36:11 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



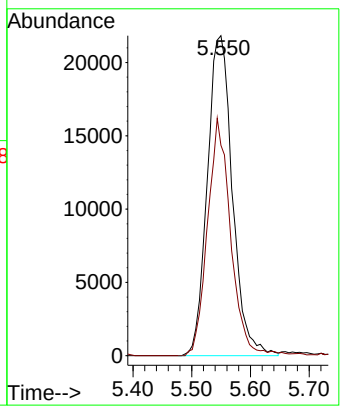


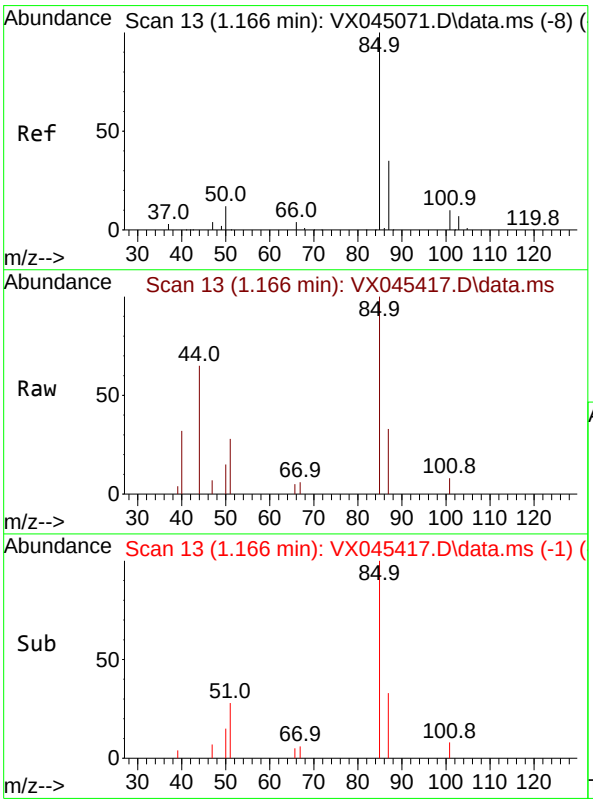
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045417.D
Acq: 24 Mar 2025 16:04

Instrument :
MSVOA_X
ClientSampleId :
RE132D5-20250318

Tgt Ion:168 Resp: 64789

Ion	Ratio	Lower	Upper
168	100		
99	65.7	48.2	72.4

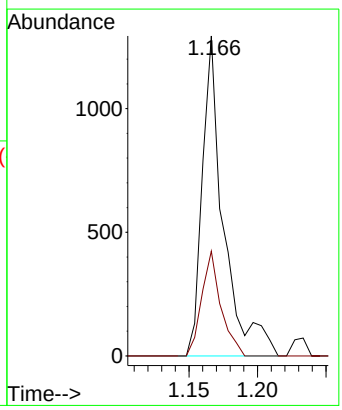


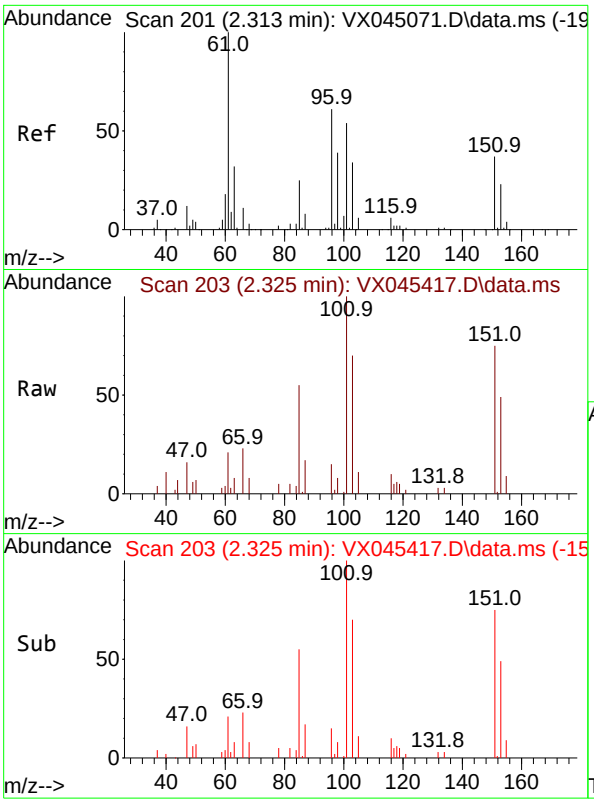


#2
Dichlorodifluoromethane
Concen: 1.704 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX045417.D
Acq: 24 Mar 2025 16:04

Tgt Ion: 85 Resp: 1390

Ion	Ratio	Lower	Upper
85	100		
87	32.8	17.4	52.3



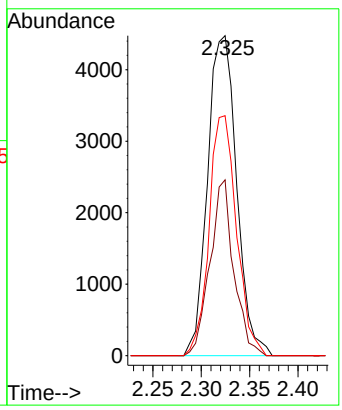


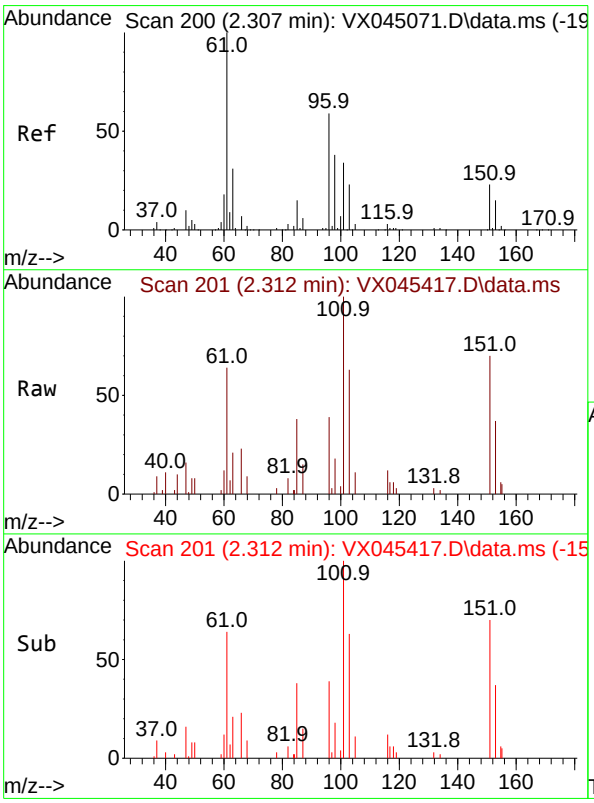
#9
1,1,2-Trichlorotrifluoroethane
Concen: 12.442 ug/l
RT: 2.325 min Scan# 2
Delta R.T. 0.012 min
Lab File: VX045417.D
Acq: 24 Mar 2025 16:04

Instrument :
MSVOA_X
ClientSampleId :
RE132D5-20250318

Tgt Ion:101 Resp: 9369

Ion	Ratio	Lower	Upper
101	100		
85	45.2	36.2	54.4
151	70.7	56.4	84.6

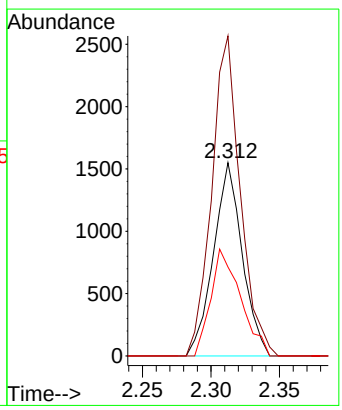


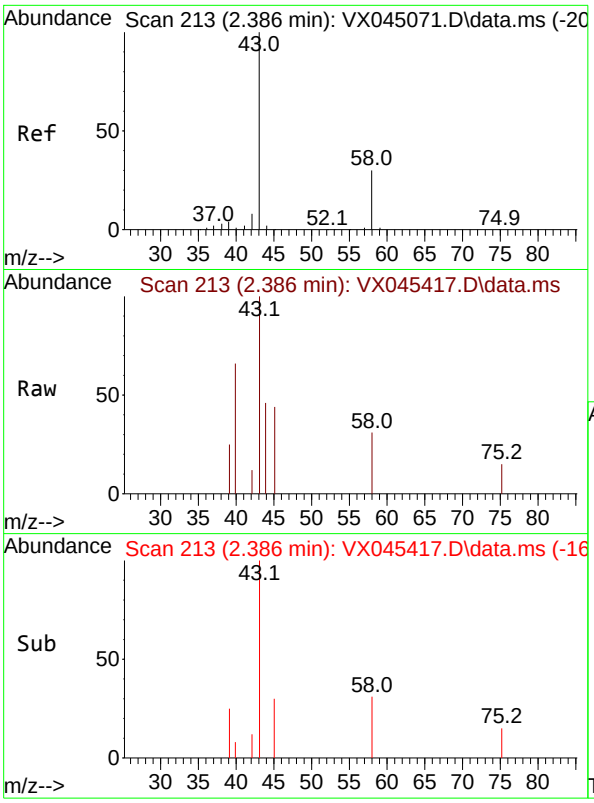


#12
1,1-Dichloroethene
Concen: 2.839 ug/l
RT: 2.312 min Scan# 201
Delta R.T. 0.006 min
Lab File: VX045417.D
Acq: 24 Mar 2025 16:04

Tgt Ion: 96 Resp: 2260

Ion	Ratio	Lower	Upper
96	100		
61	165.6	134.6	202.0
98	46.1	51.0	76.6#



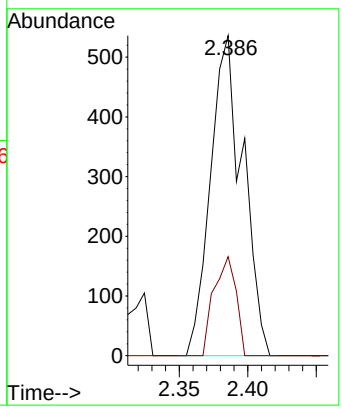


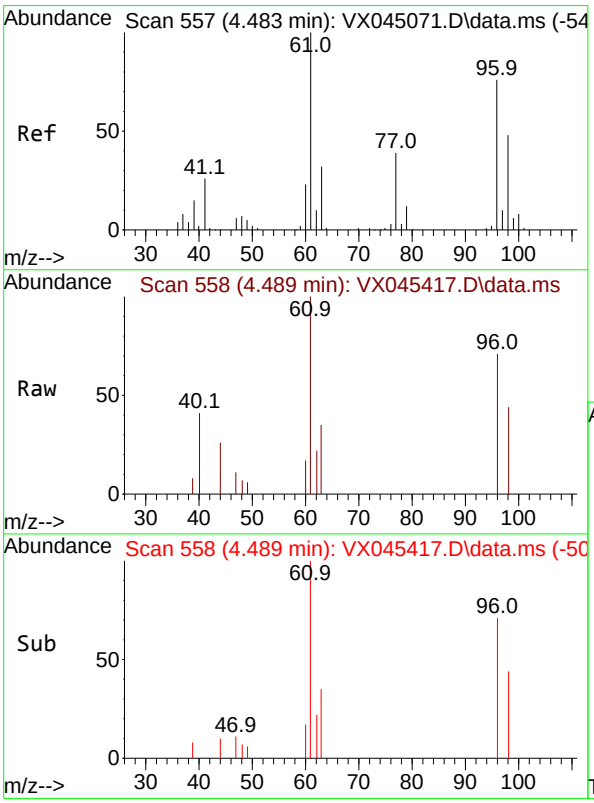
#16
Acetone
Concen: 1.849 ug/l
RT: 2.386 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX045417.D
Acq: 24 Mar 2025 16:04

Instrument :
MSVOA_X
ClientSampleId :
RE132D5-20250318

Tgt Ion: 43 Resp: 884

Ion	Ratio	Lower	Upper
43	100		
58	31.0	24.2	36.4

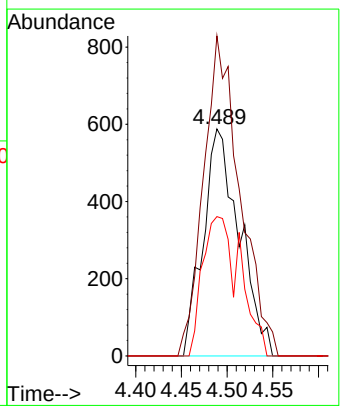


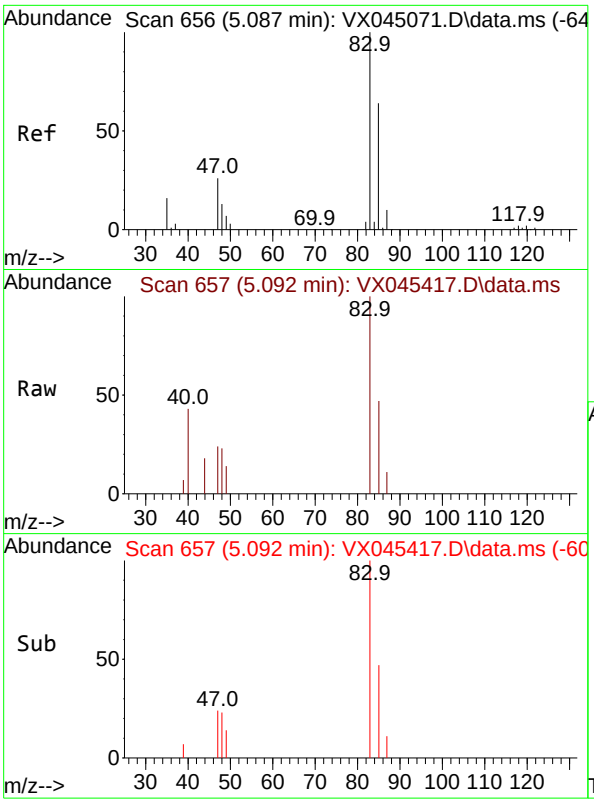


#27
cis-1,2-Dichloroethene
Concen: 1.673 ug/l
RT: 4.489 min Scan# 558
Delta R.T. 0.006 min
Lab File: VX045417.D
Acq: 24 Mar 2025 16:04

Tgt Ion: 96 Resp: 1624

Ion	Ratio	Lower	Upper
96	100		
61	141.6	0.0	283.2
98	63.7	0.0	128.0



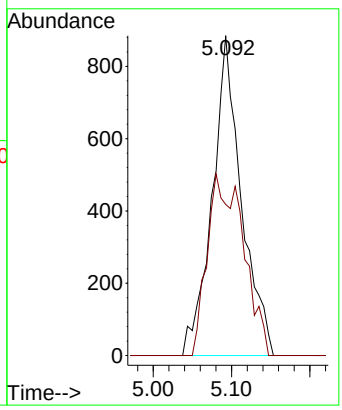


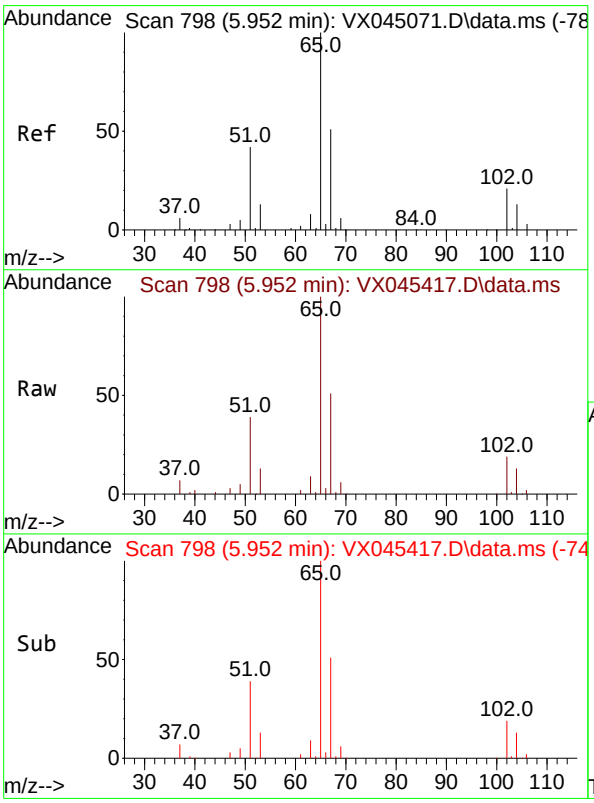
#30
Chloroform
Concen: 1.427 ug/l
RT: 5.092 min Scan# 6
Delta R.T. 0.006 min
Lab File: VX045417.D
Acq: 24 Mar 2025 16:04

Instrument :
MSVOA_X
ClientSampleId :
RE132D5-20250318

Tgt Ion: 83 Resp: 2290

Ion	Ratio	Lower	Upper
83	100		
85	47.2	51.4	77.2#

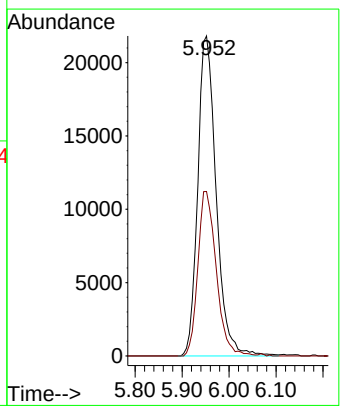


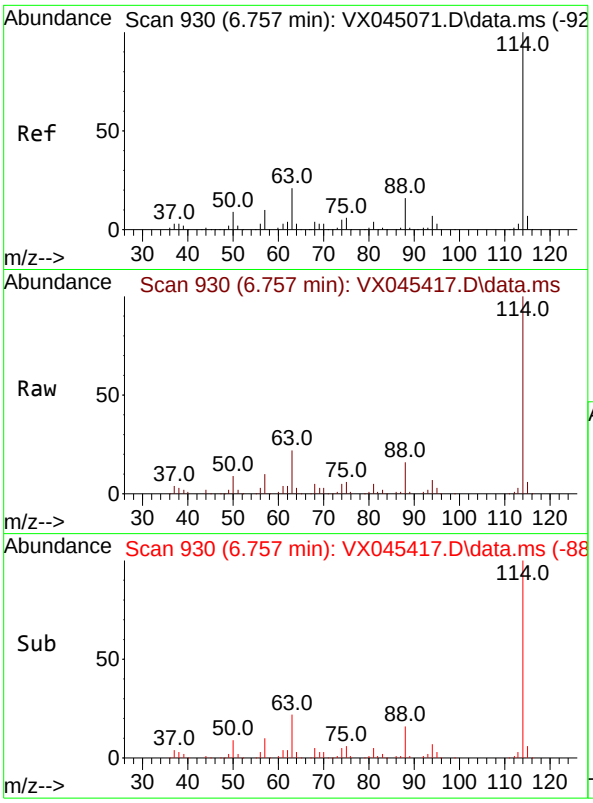


#33
1,2-Dichloroethane-d4
Concen: 57.701 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX045417.D
Acq: 24 Mar 2025 16:04

Tgt Ion: 65 Resp: 59465

Ion	Ratio	Lower	Upper
65	100		
67	51.3	0.0	106.2



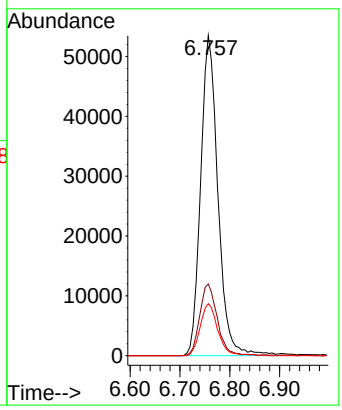


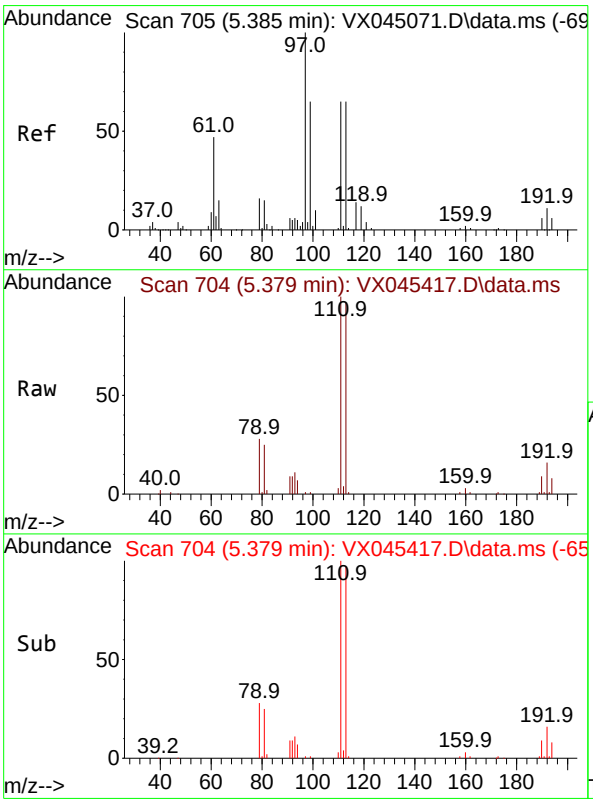
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX045417.D
Acq: 24 Mar 2025 16:04

Instrument :
MSVOA_X
ClientSampleId :
RE132D5-20250318

Tgt Ion:114 Resp: 128718

Ion	Ratio	Lower	Upper
114	100		
63	22.4	0.0	41.8
88	16.3	0.0	32.8

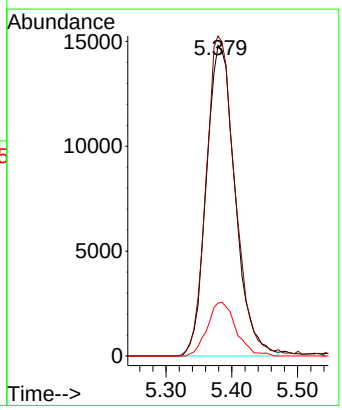


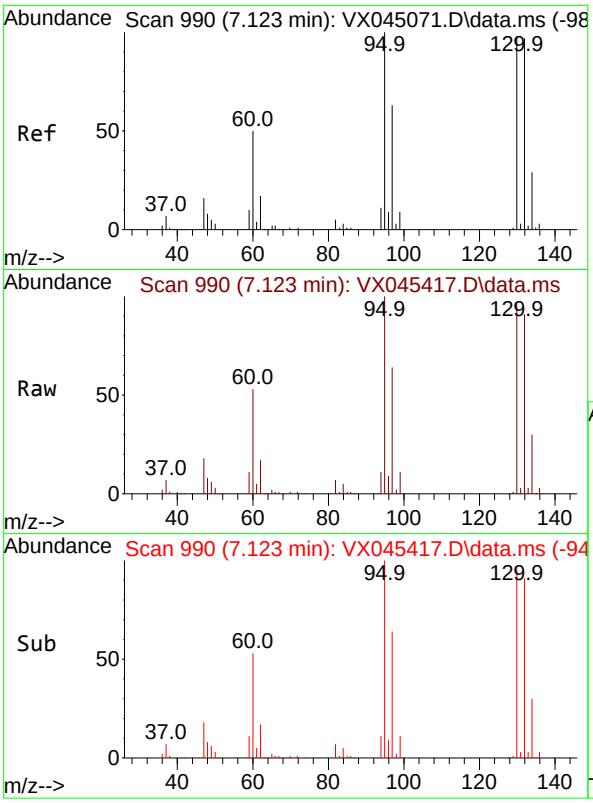


#35
Dibromofluoromethane
Concen: 52.377 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX045417.D
Acq: 24 Mar 2025 16:04

Tgt Ion:113 Resp: 45081

Ion	Ratio	Lower	Upper
113	100		
111	103.3	81.8	122.6
192	17.2	14.3	21.5



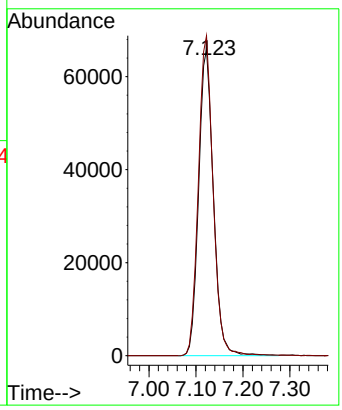


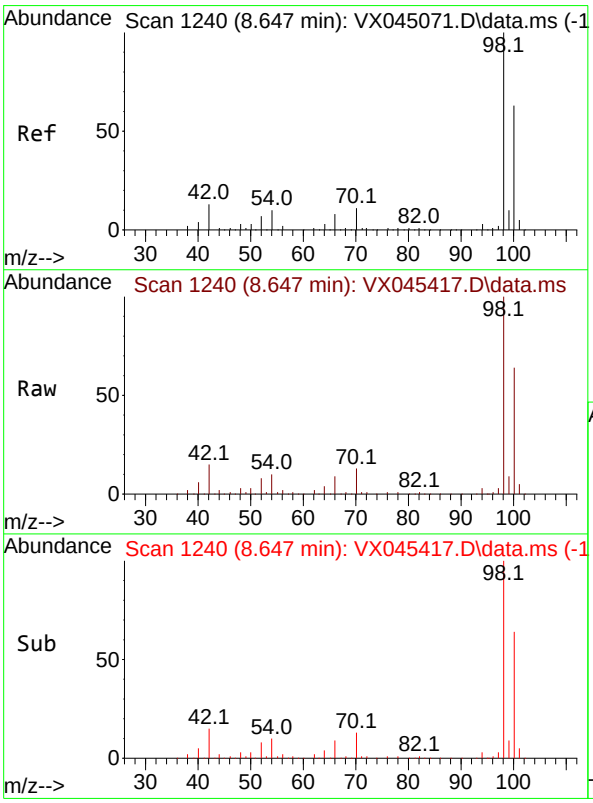
#44
Trichloroethene
Concen: 164.544 ug/l
RT: 7.123 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX045417.D
Acq: 24 Mar 2025 16:04

Instrument :
MSVOA_X
ClientSampleId :
RE132D5-20250318

Tgt Ion:130 Resp: 144011

Ion	Ratio	Lower	Upper
130	100		
95	104.5	0.0	205.0

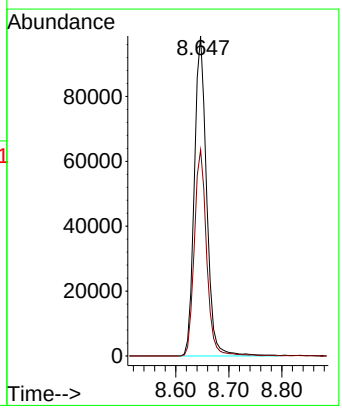


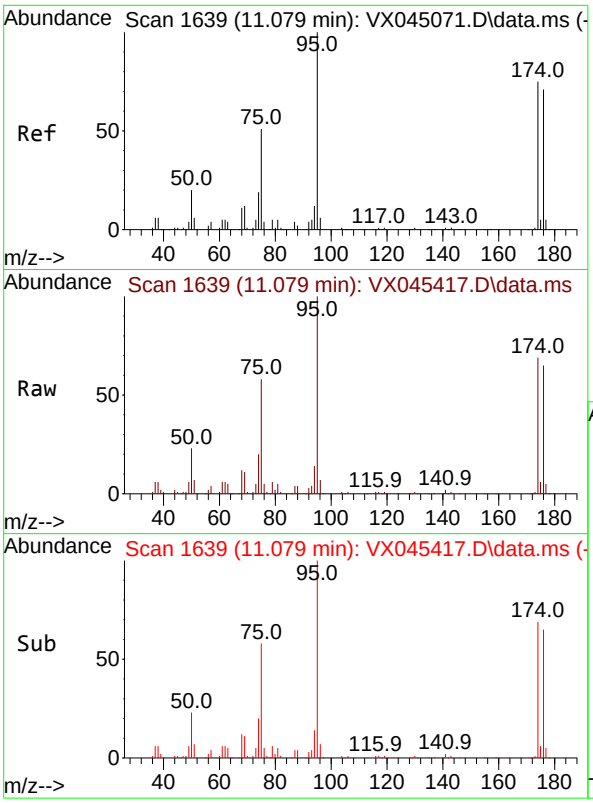


#50
Toluene-d8
Concen: 50.800 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045417.D
Acq: 24 Mar 2025 16:04

Tgt Ion: 98 Resp: 158514

Ion	Ratio	Lower	Upper
98	100		
100	64.2	52.0	78.0



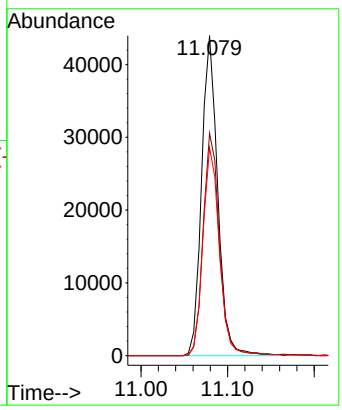


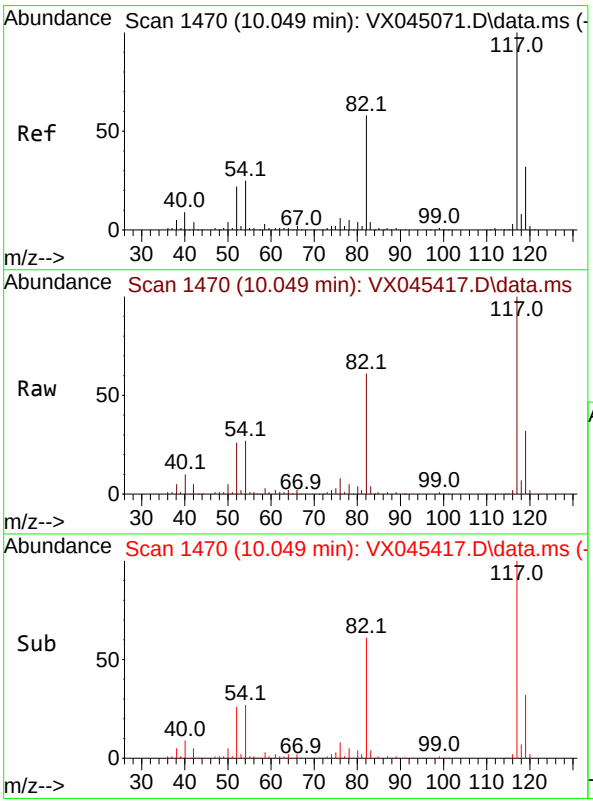
#62
4-Bromofluorobenzene
Concen: 55.025 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045417.D
Acq: 24 Mar 2025 16:04

Instrument :
MSVOA_X
ClientSampleId :
RE132D5-20250318

Tgt Ion: 95 Resp: 56895

Ion	Ratio	Lower	Upper
95	100		
174	70.4	0.0	148.2
176	66.8	0.0	141.4

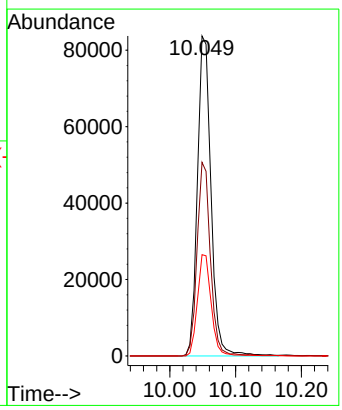


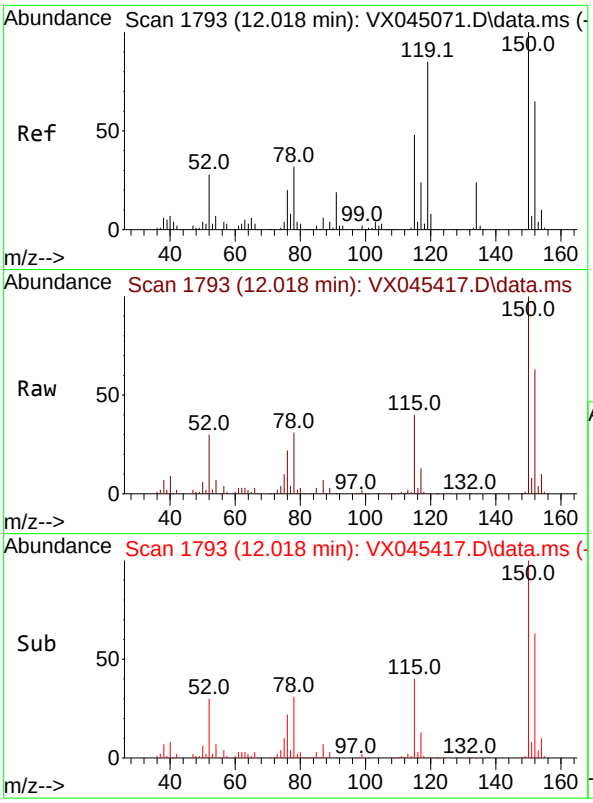


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX045417.D
Acq: 24 Mar 2025 16:04

Tgt Ion:117 Resp: 120307

Ion	Ratio	Lower	Upper
117	100		
82	60.5	46.3	69.5
119	31.6	25.7	38.5



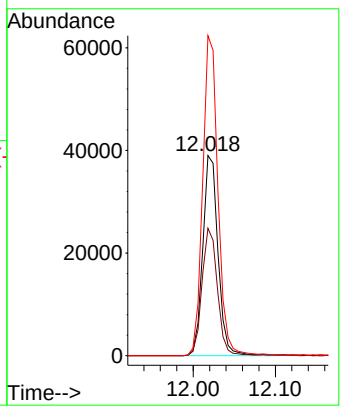


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045417.D
Acq: 24 Mar 2025 16:04

Instrument :
MSVOA_X
ClientSampleId :
RE132D5-20250318

Tgt Ion:152 Resp: 50372

Ion	Ratio	Lower	Upper
152	100		
115	64.6	44.2	132.6
150	160.1	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:	03/18/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/19/25
Client Sample ID:	RE132D5-20250318DL	SDG No.:	Q1608
Lab Sample ID:	Q1608-17DL	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
VX045437.D	4		03/25/25 14:03	VX032525

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	12.4	D	1.00	2.00	4.00	ug/L
75-35-4	1,1-Dichloroethene	2.90	JD	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	UDQ	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	150	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:	03/18/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/19/25
Client Sample ID:	RE132D5-20250318DL	SDG No.:	Q1608
Lab Sample ID:	Q1608-17DL	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
VX045437.D	4		03/25/25 14:03	VX032525

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	2.00	UD	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	52.9		81 - 118		106%	SPK: 50
1868-53-7	Dibromofluoromethane	49.1		80 - 119		98%	SPK: 50
2037-26-5	Toluene-d8	47.5		89 - 112		95%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.4		85 - 114		103%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	67400	5.544				
540-36-3	1,4-Difluorobenzene	132000	6.757				
3114-55-4	Chlorobenzene-d5	121000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	50400	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:	03/18/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/19/25
Client Sample ID:	RE132D5-20250318DL	SDG No.:	Q1608
Lab Sample ID:	Q1608-17DL	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
VX045437.D	4		03/25/25 14:03	VX032525

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\VX032525\
Data File : VX045437.D
Acq On : 25 Mar 2025 14:03
Operator : JC/MD
Sample : Q1608-17DL 4X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RE132D5-20250318DL

Quant Time: Mar 26 01:38:07 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

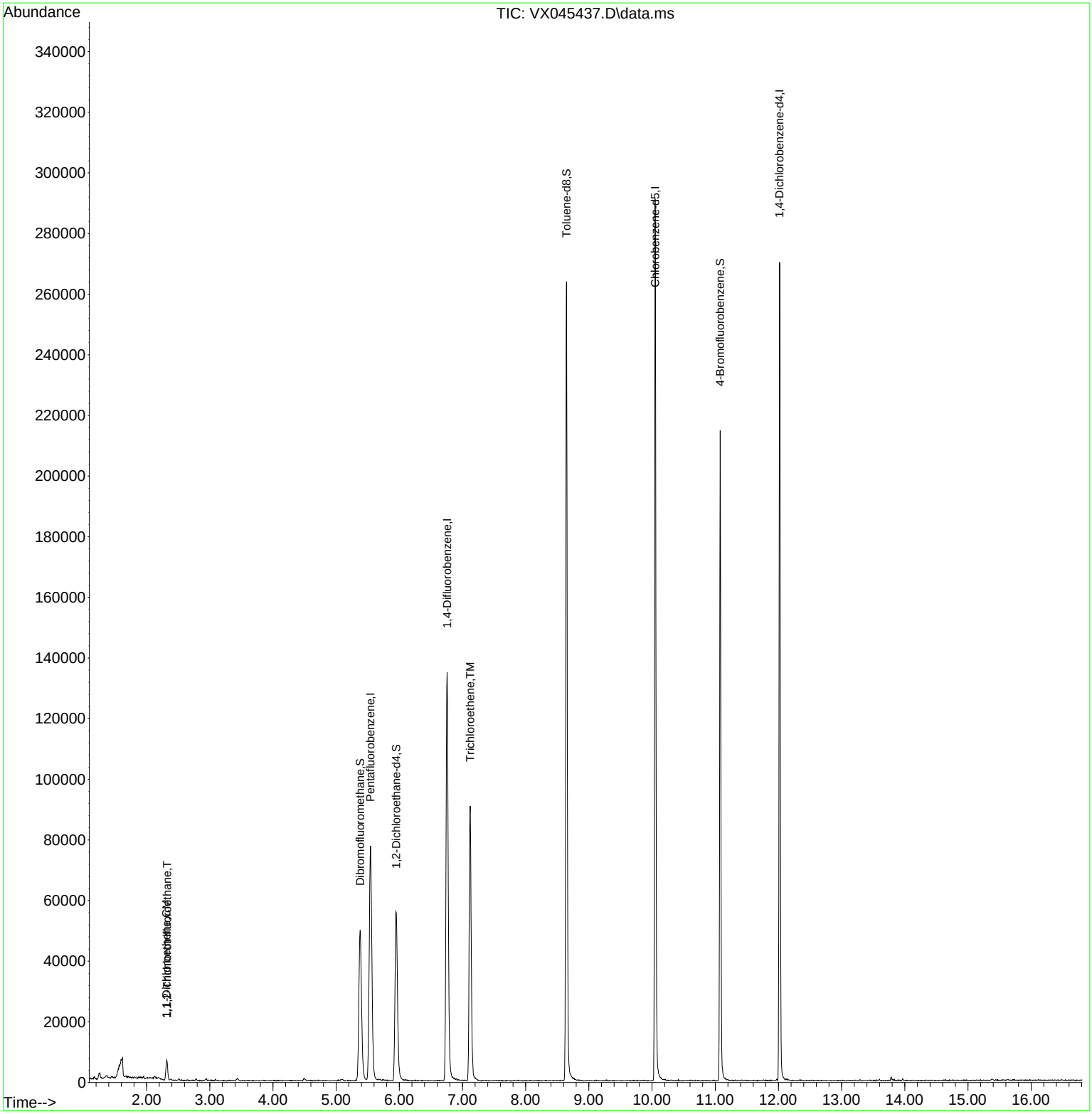
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	67394	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	132021	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	120711	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	50385	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	56677	52.870	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 105.740%			
35) Dibromofluoromethane	5.379	113	43347	49.102	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.200%			
50) Toluene-d8	8.647	98	151880	47.456	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 94.920%			
62) 4-Bromofluorobenzene	11.079	95	54481	51.372	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 102.740%			
Target Compounds						Qvalue
9) 1,1,2-Trichlorotrifluo...	2.325	101	2424	3.095	ug/l	97
12) 1,1-Dichloroethene	2.312	96	602	0.727	ug/l #	81
44) Trichloroethene	7.123	130	33619	37.451	ug/l	99

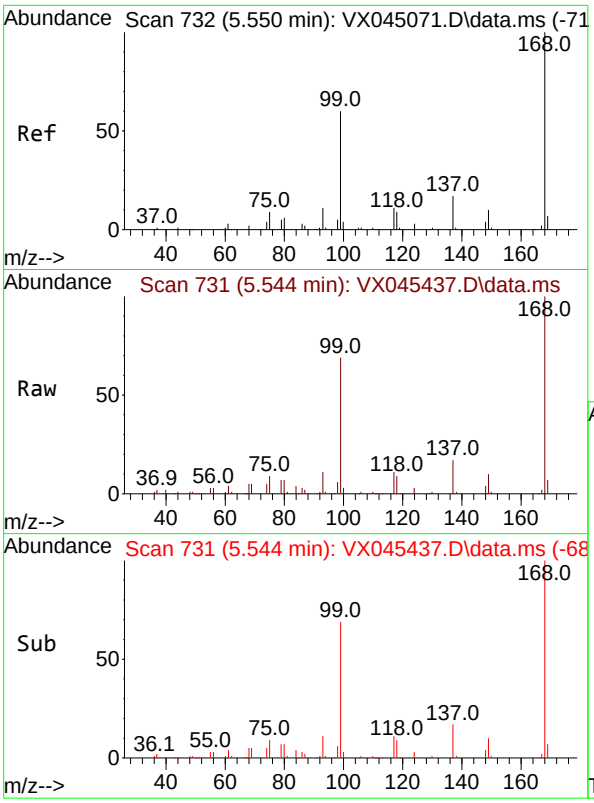
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032525\
Data File : VX045437.D
Acq On : 25 Mar 2025 14:03
Operator : JC/MD
Sample : Q1608-17DL 4X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RE132D5-20250318DL

Quant Time: Mar 26 01:38:07 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



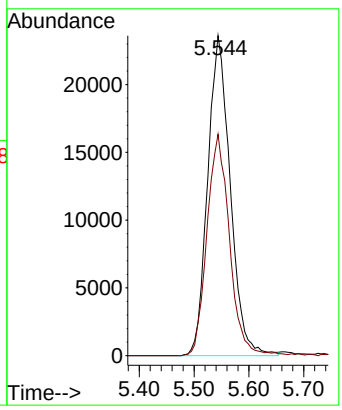


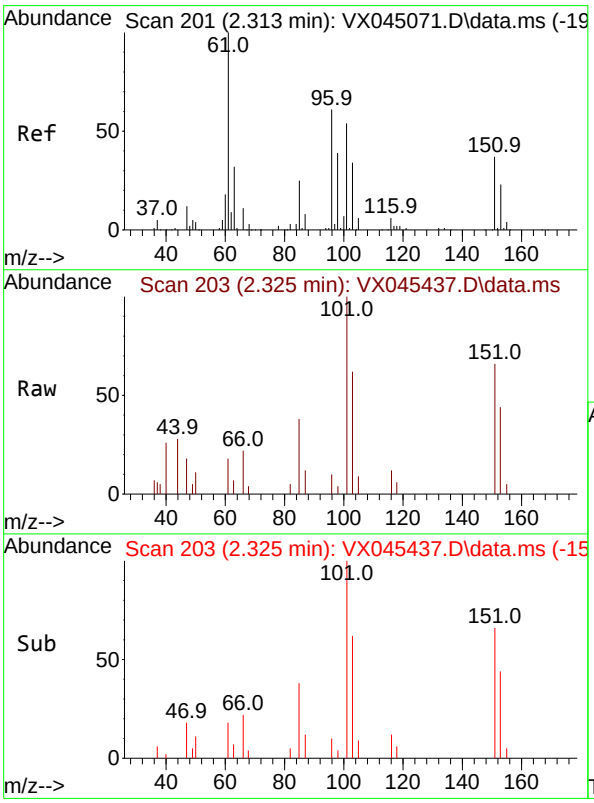
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045437.D
Acq: 25 Mar 2025 14:03

Instrument :
MSVOA_X
ClientSampleId :
RE132D5-20250318DL

Tgt Ion:168 Resp: 67394

Ion	Ratio	Lower	Upper
168	100		
99	69.2	48.2	72.4

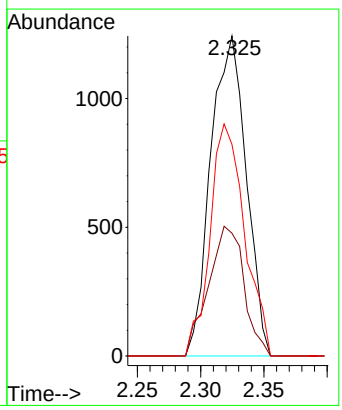


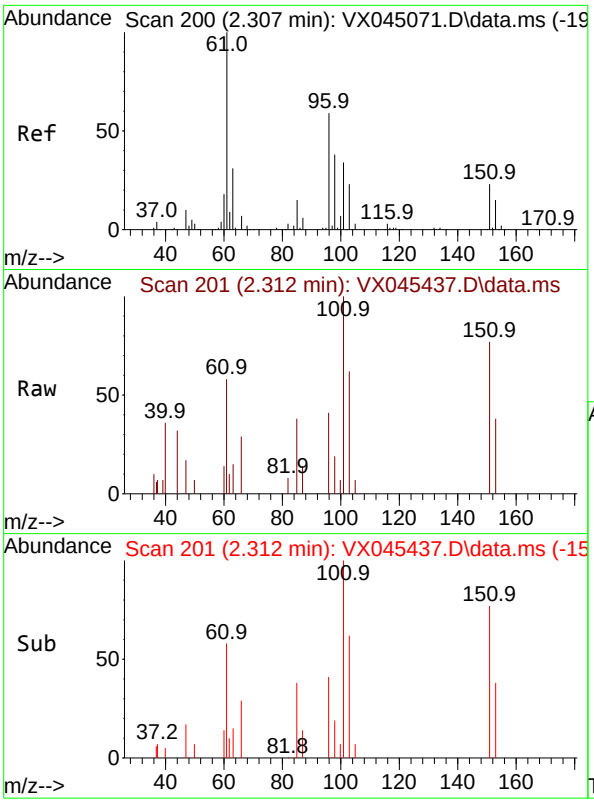


#9
1,1,2-Trichlorotrifluoroethane
Concen: 3.095 ug/l
RT: 2.325 min Scan# 203
Delta R.T. 0.012 min
Lab File: VX045437.D
Acq: 25 Mar 2025 14:03

Tgt Ion:101 Resp: 2424

Ion	Ratio	Lower	Upper
101	100		
85	40.5	36.2	54.4
151	70.8	56.4	84.6



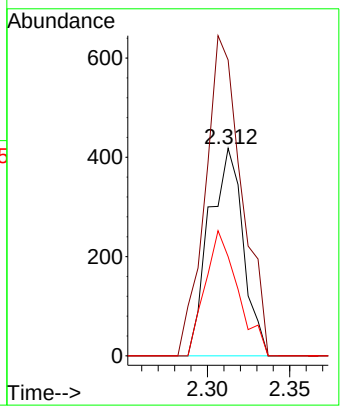


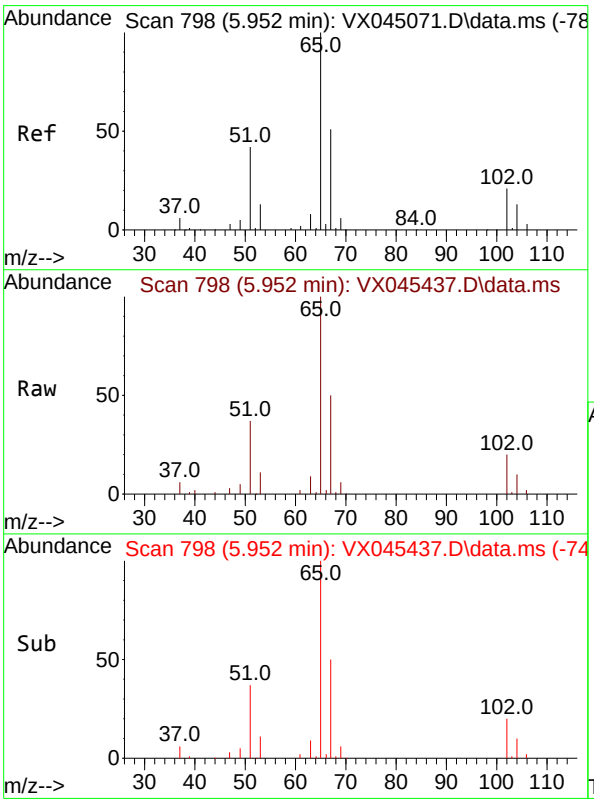
#12
1,1-Dichloroethene
Concen: 0.727 ug/l
RT: 2.312 min Scan# 2(
Delta R.T. 0.006 min
Lab File: VX045437.D
Acq: 25 Mar 2025 14:03

Instrument :
MSVOA_X
ClientSampleId :
RE132D5-20250318DL

Tgt Ion: 96 Resp: 602

Ion	Ratio	Lower	Upper
96	100		
61	142.6	134.6	202.0
98	47.8	51.0	76.6#

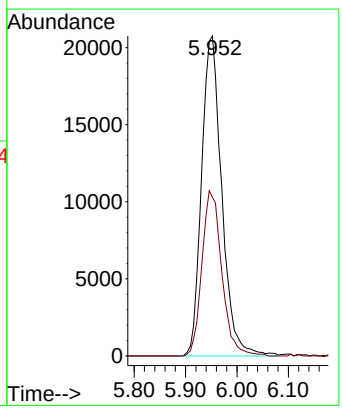


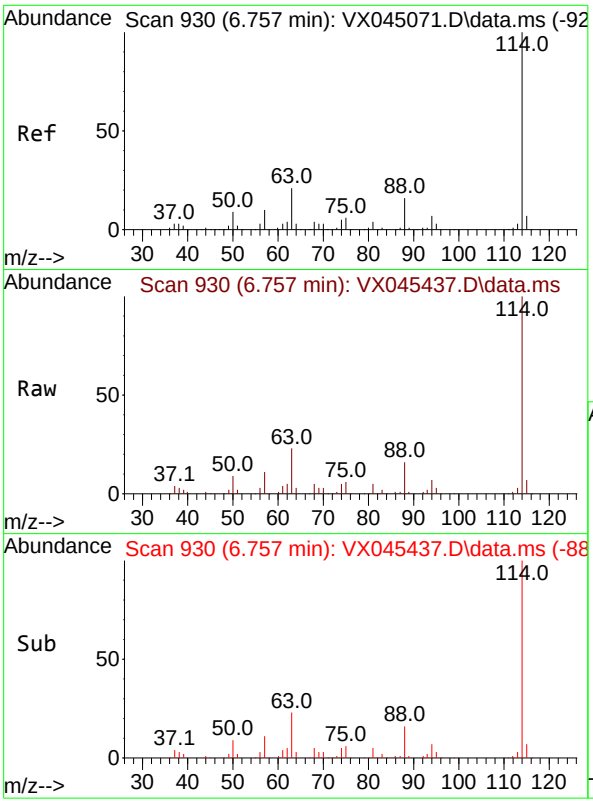


#33
1,2-Dichloroethane-d4
Concen: 52.870 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX045437.D
Acq: 25 Mar 2025 14:03

Tgt Ion: 65 Resp: 56677

Ion	Ratio	Lower	Upper
65	100		
67	50.9	0.0	106.2



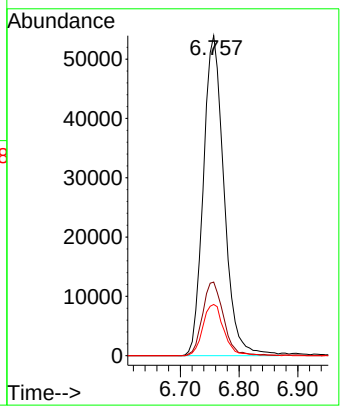


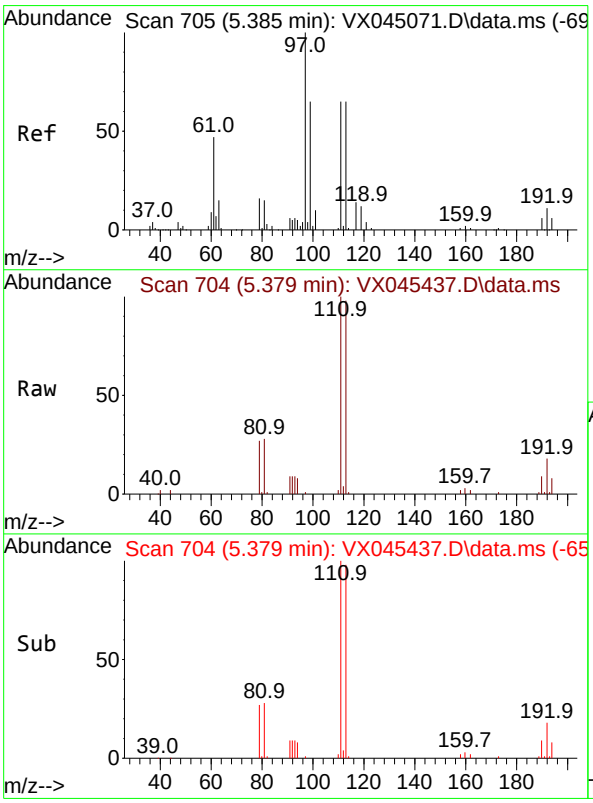
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX045437.D
Acq: 25 Mar 2025 14:03

Instrument :
MSVOA_X
ClientSampleId :
RE132D5-20250318DL

Tgt Ion:114 Resp: 132021

Ion	Ratio	Lower	Upper
114	100		
63	23.0	0.0	41.8
88	16.0	0.0	32.8

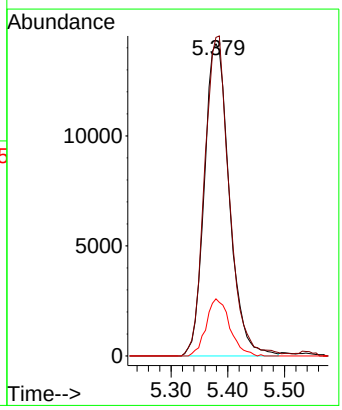


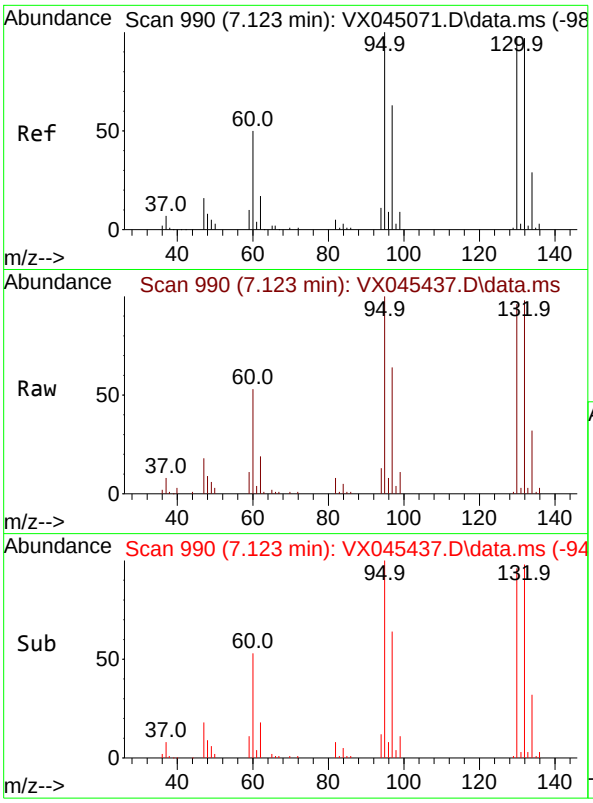


#35
Dibromofluoromethane
Concen: 49.102 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX045437.D
Acq: 25 Mar 2025 14:03

Tgt Ion:113 Resp: 43347

Ion	Ratio	Lower	Upper
113	100		
111	101.7	81.8	122.6
192	17.3	14.3	21.5



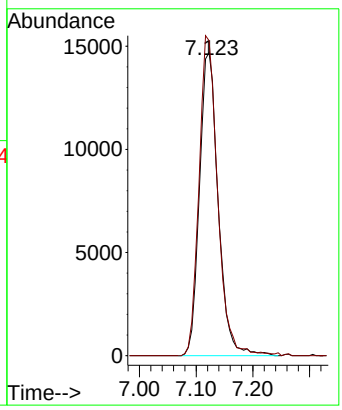


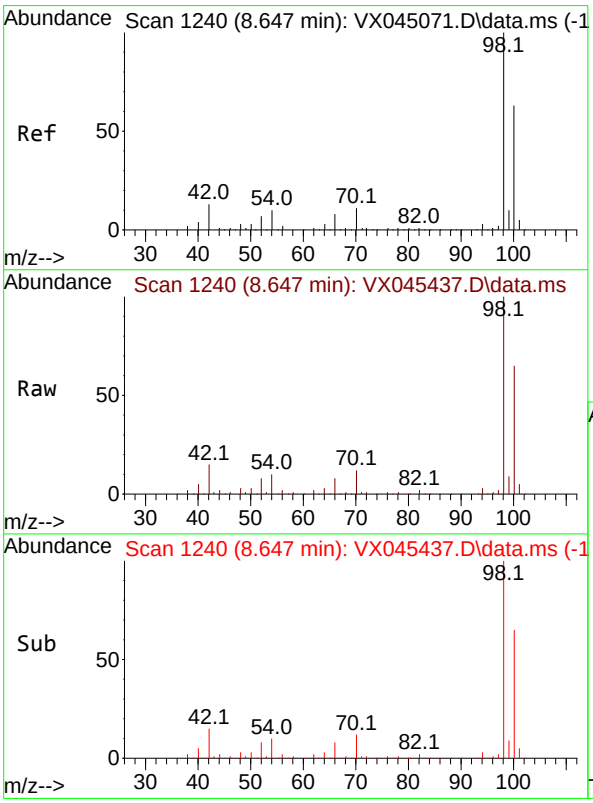
#44
Trichloroethene
Concen: 37.451 ug/l
RT: 7.123 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX045437.D
Acq: 25 Mar 2025 14:03

Instrument :
MSVOA_X
ClientSampleId :
RE132D5-20250318DL

Tgt Ion:130 Resp: 33619

Ion	Ratio	Lower	Upper
130	100		
95	104.0	0.0	205.0

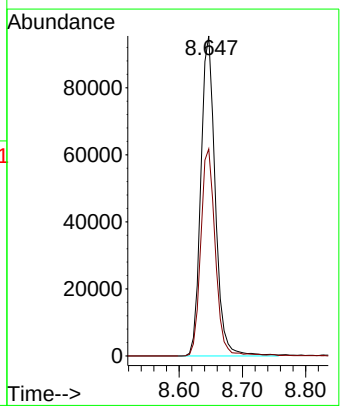


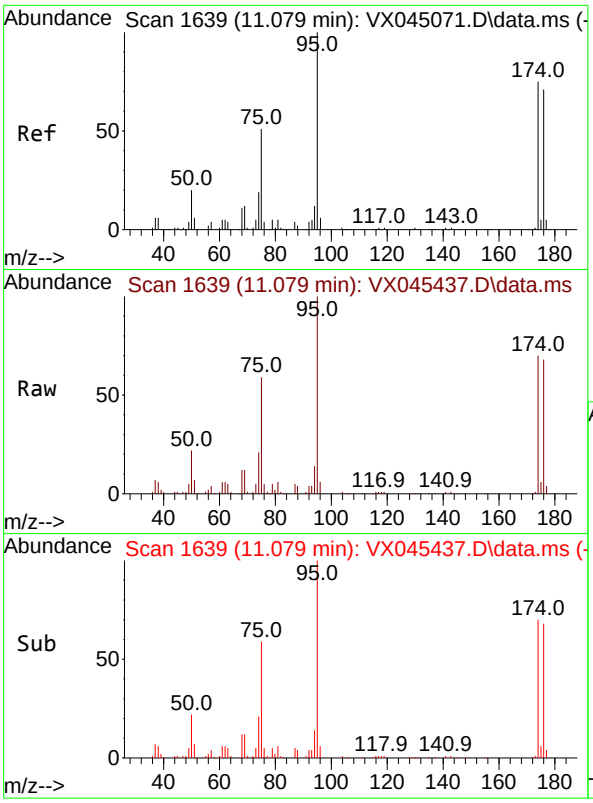


#50
Toluene-d8
Concen: 47.456 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045437.D
Acq: 25 Mar 2025 14:03

Tgt Ion: 98 Resp: 151880

Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.0	78.0



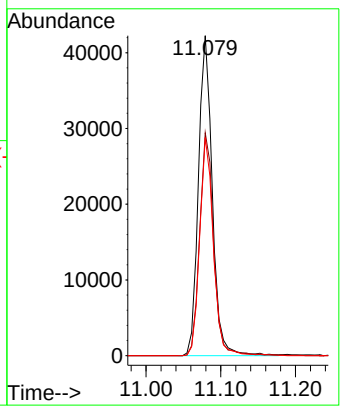


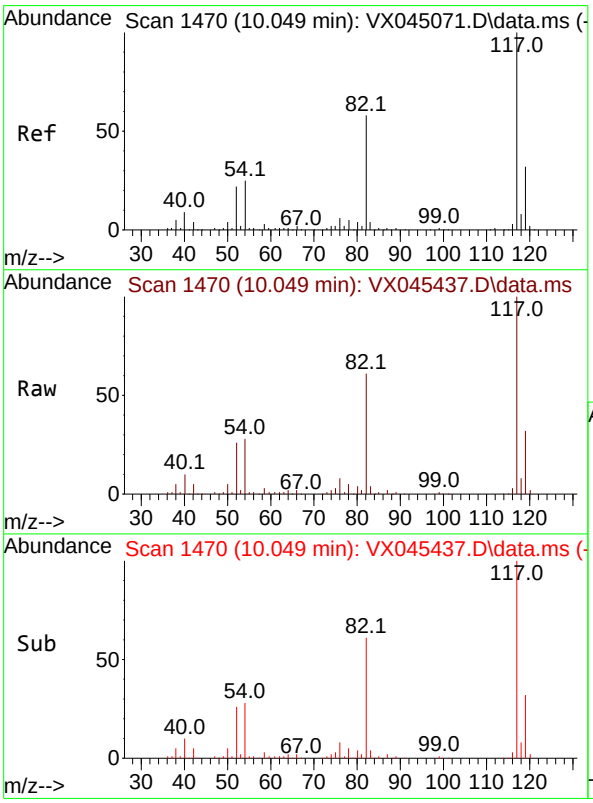
#62
4-Bromofluorobenzene
Concen: 51.372 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045437.D
Acq: 25 Mar 2025 14:03

Instrument :
MSVOA_X
ClientSampleId :
RE132D5-20250318DL

Tgt Ion: 95 Resp: 54481

Ion	Ratio	Lower	Upper
95	100		
174	70.2	0.0	148.2
176	67.4	0.0	141.4

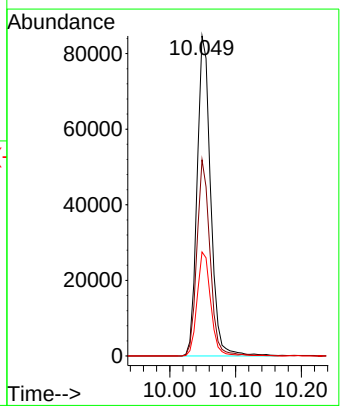


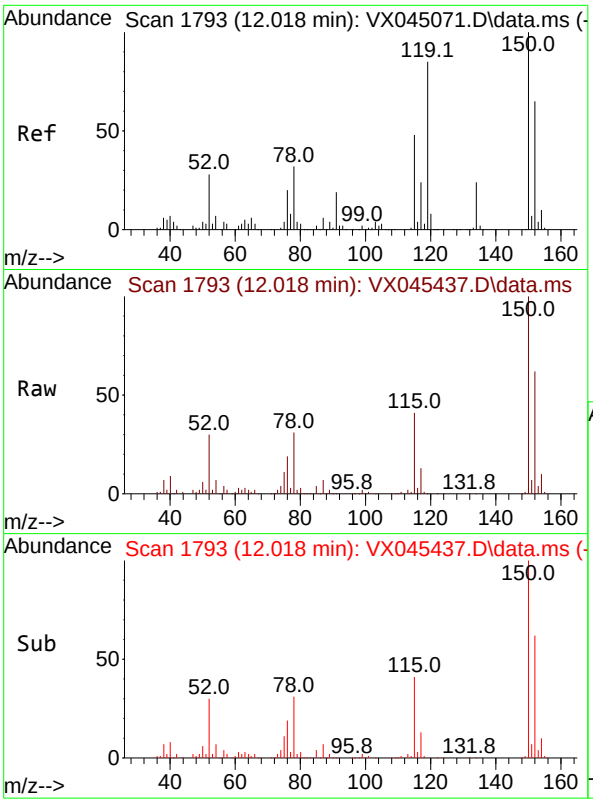


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX045437.D
Acq: 25 Mar 2025 14:03

Tgt Ion:117 Resp: 120711

Ion	Ratio	Lower	Upper
117	100		
82	61.3	46.3	69.5
119	32.5	25.7	38.5



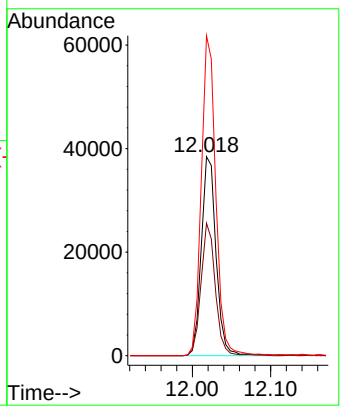


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045437.D
Acq: 25 Mar 2025 14:03

Instrument :
MSVOA_X
ClientSampleId :
RE132D5-20250318DL

Tgt Ion:152 Resp: 50385

Ion	Ratio	Lower	Upper
152	100		
115	64.4	44.2	132.6
150	157.3	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:	03/18/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/19/25
Client Sample ID:	RE132D6-20250318	SDG No.:	Q1608
Lab Sample ID:	Q1608-18	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
VX045418.D	1		03/24/25 16:27	VX032425

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	41.7		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	10.8		0.23	0.75	1.00	ug/L
67-64-1	Acetone	1.60	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	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	2.40		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	4.20		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	1.90		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	1600	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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Fax : 908 789 8922

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	03/18/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/19/25
Client Sample ID:	RE132D6-20250318	SDG No.:	Q1608
Lab Sample ID:	Q1608-18	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
VX045418.D	1		03/24/25 16:27	VX032425

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	1.40		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	3.30		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	56.1		81 - 118		112%	SPK: 50
1868-53-7	Dibromofluoromethane	51.7		80 - 119		103%	SPK: 50
2037-26-5	Toluene-d8	48.2		89 - 112		96%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.3		85 - 114		107%	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	119000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	50700	12.018				

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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:	03/18/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/19/25
Client Sample ID:	RE132D6-20250318	SDG No.:	Q1608
Lab Sample ID:	Q1608-18	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
VX045418.D	1		03/24/25 16:27	VX032425

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\VX032425\
Data File : VX045418.D
Acq On : 24 Mar 2025 16:27
Operator : JC/MD
Sample : Q1608-18
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RE132D6-20250318

Quant Time: Mar 25 01:36:39 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

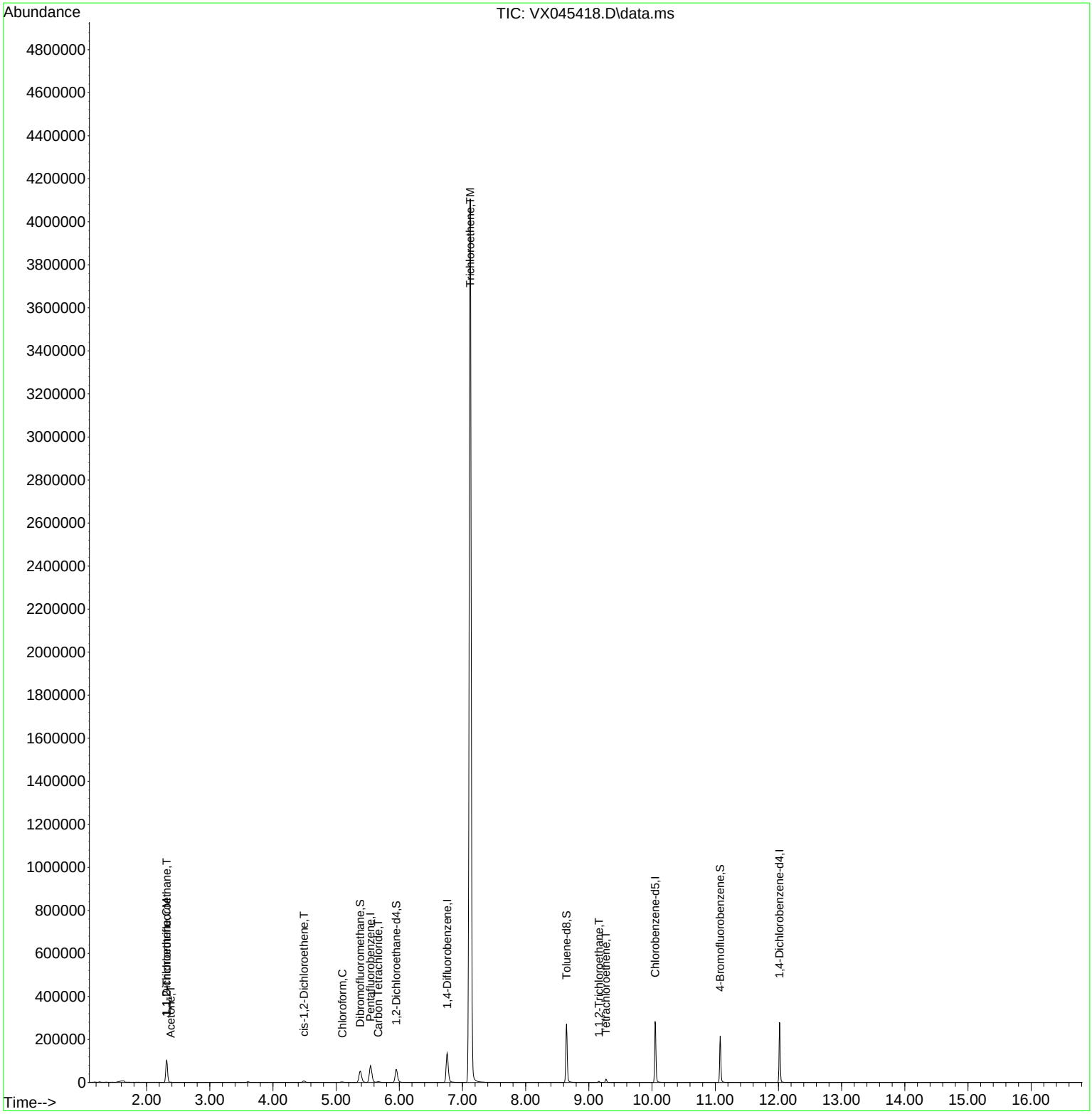
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	67647	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	132501	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	119350	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	50651	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	60377	56.111	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 112.220%			
35) Dibromofluoromethane	5.379	113	45830	51.727	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.460%			
50) Toluene-d8	8.647	98	154947	48.239	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 96.480%			
62) 4-Bromofluorobenzene	11.079	95	56705	53.275	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 106.560%			
Target Compounds						Qvalue
9) 1,1,2-Trichlorotrifluo...	2.319	101	32758	41.665	ug/l	97
12) 1,1-Dichloroethene	2.313	96	8981	10.804	ug/l	97
16) Acetone	2.380	43	778	1.558	ug/l #	82
27) cis-1,2-Dichloroethene	4.489	96	4239	4.182	ug/l	98
30) Chloroform	5.099	83	3153	1.882	ug/l	88
38) Carbon Tetrachloride	5.666	117	2956	2.396	ug/l	94
44) Trichloroethene	7.123	130	1468868	1630.385	ug/l	95
55) 1,1,2-Trichloroethane	9.159	97	1273	1.374	ug/l #	94
64) Tetrachloroethene	9.269	164	2527	3.306	ug/l	97

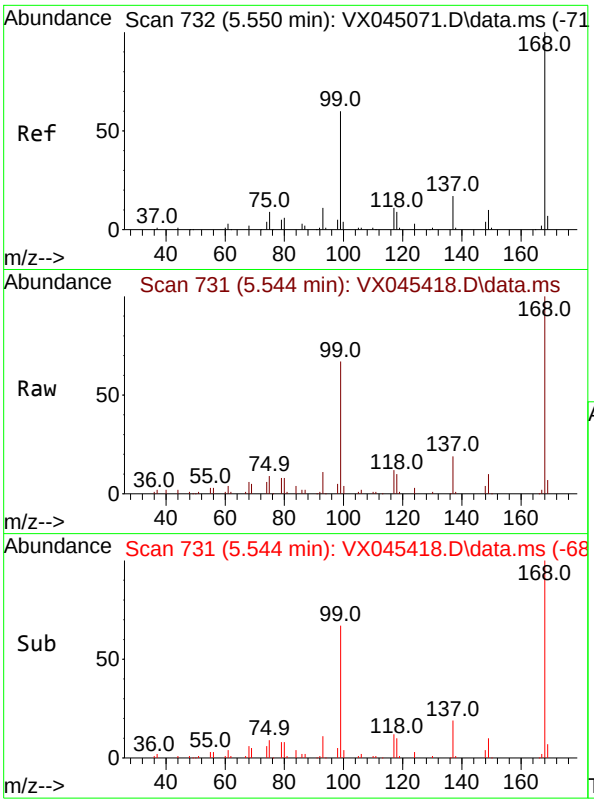
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032425\
Data File : VX045418.D
Acq On : 24 Mar 2025 16:27
Operator : JC/MD
Sample : Q1608-18
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RE132D6-20250318

Quant Time: Mar 25 01:36:39 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



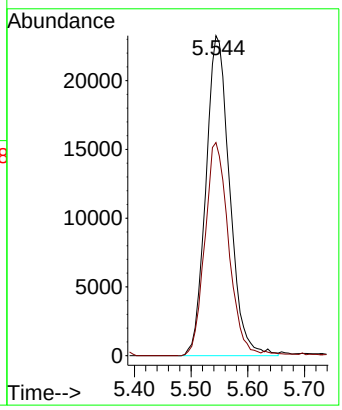


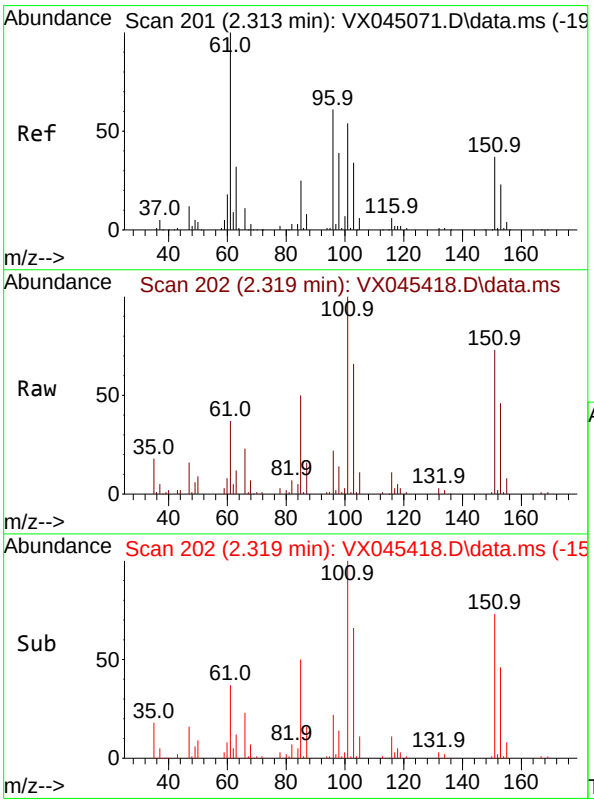
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045418.D
Acq: 24 Mar 2025 16:27

Instrument :
MSVOA_X
ClientSampleId :
RE132D6-20250318

Tgt Ion:168 Resp: 67647

Ion	Ratio	Lower	Upper
168	100		
99	66.6	48.2	72.4

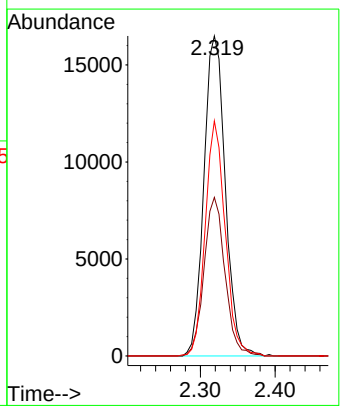


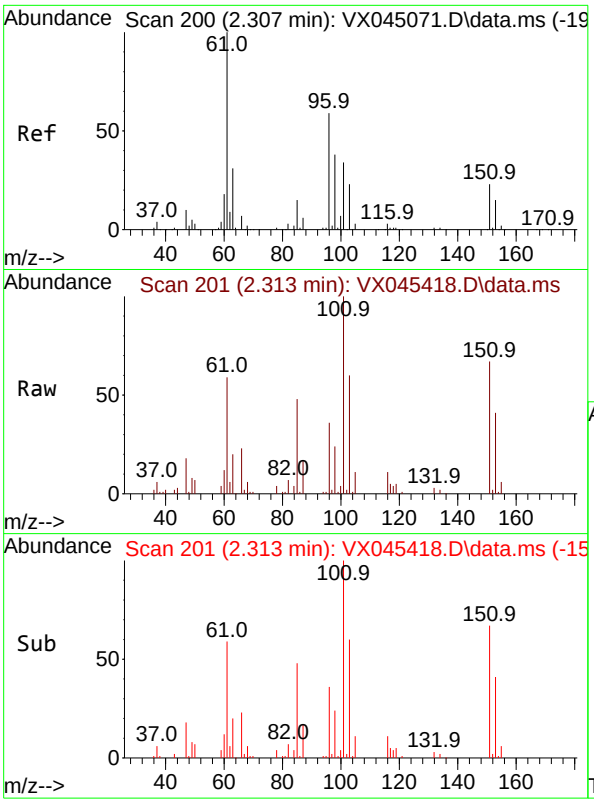


#9
1,1,2-Trichlorotrifluoroethane
Concen: 41.665 ug/l
RT: 2.319 min Scan# 202
Delta R.T. 0.006 min
Lab File: VX045418.D
Acq: 24 Mar 2025 16:27

Tgt Ion:101 Resp: 32758

Ion	Ratio	Lower	Upper
101	100		
85	48.5	36.2	54.4
151	68.8	56.4	84.6



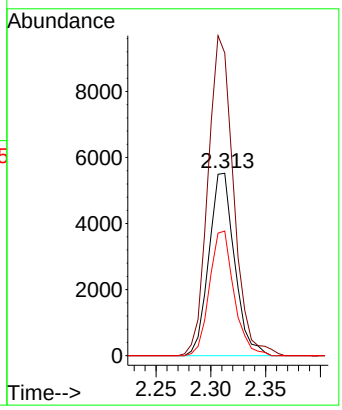


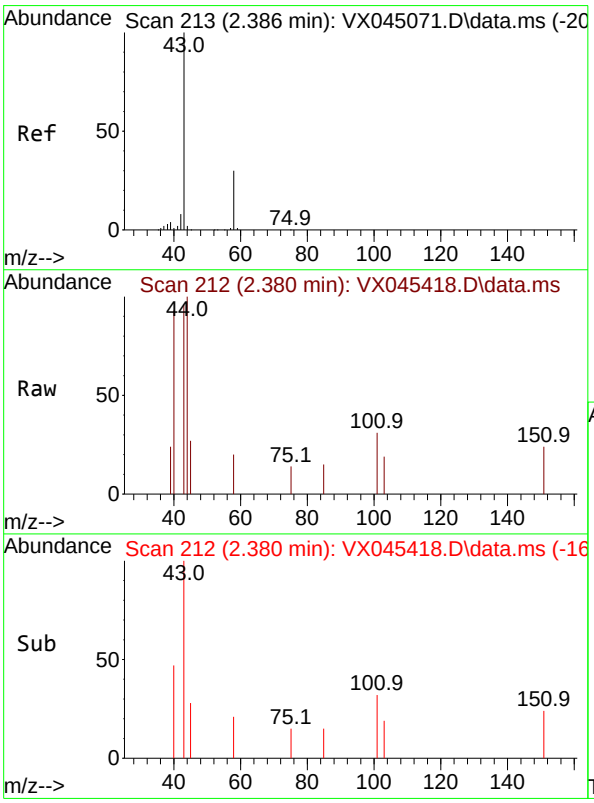
#12
1,1-Dichloroethene
Concen: 10.804 ug/l
RT: 2.313 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX045418.D
Acq: 24 Mar 2025 16:27

Instrument :
MSVOA_X
ClientSampleId :
RE132D6-20250318

Tgt Ion: 96 Resp: 8981

Ion	Ratio	Lower	Upper
96	100		
61	166.0	134.6	202.0
98	68.3	51.0	76.6

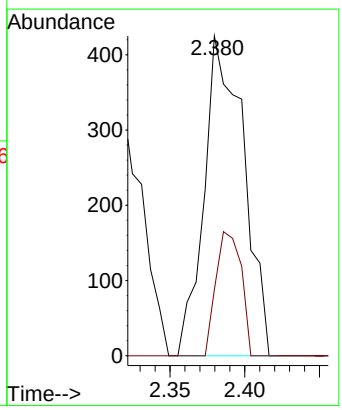


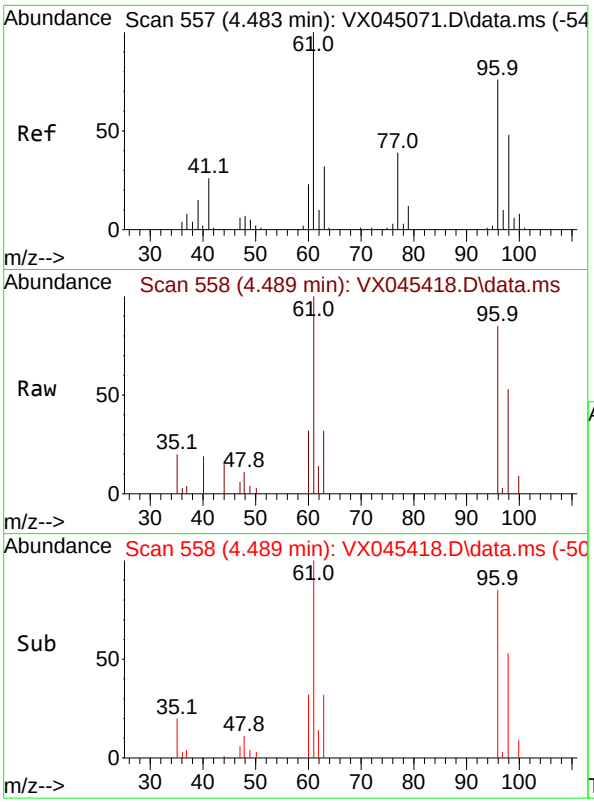


#16
Acetone
Concen: 1.558 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX045418.D
Acq: 24 Mar 2025 16:27

Tgt Ion: 43 Resp: 778

Ion	Ratio	Lower	Upper
43	100		
58	20.7	24.2	36.4#



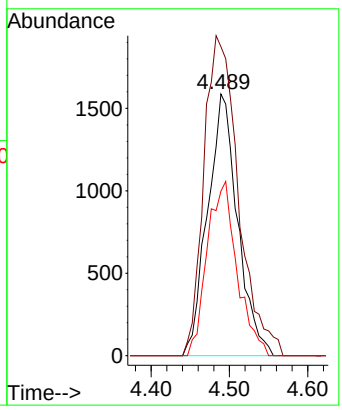


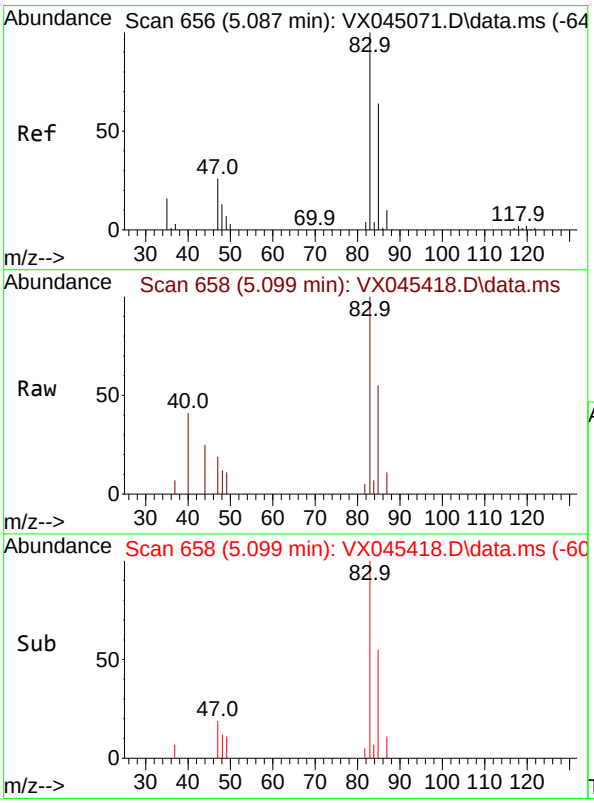
#27
cis-1,2-Dichloroethene
Concen: 4.182 ug/l
RT: 4.489 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX045418.D
Acq: 24 Mar 2025 16:27

Instrument :
MSVOA_X
ClientSampleId :
RE132D6-20250318

Tgt Ion: 96 Resp: 4239

Ion	Ratio	Lower	Upper
96	100		
61	140.2	0.0	283.2
98	66.1	0.0	128.0

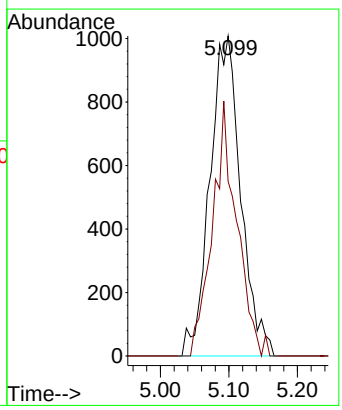


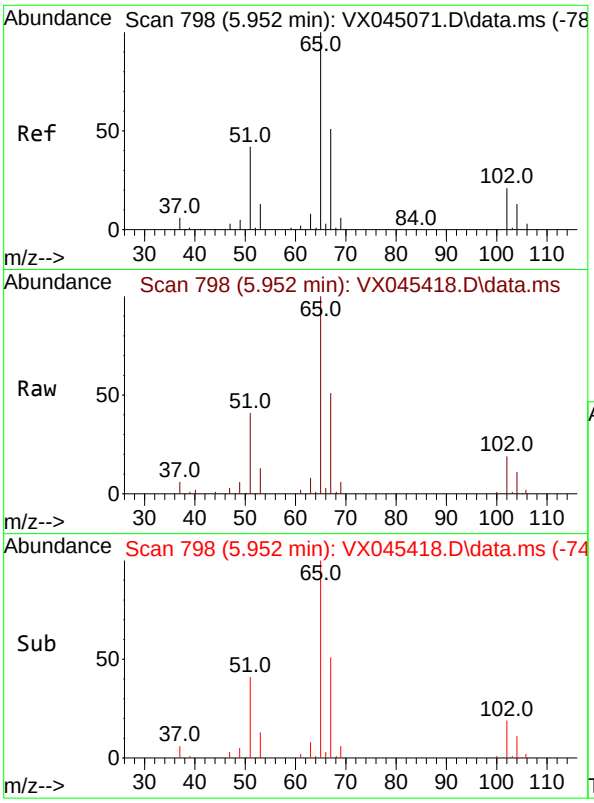


#30
Chloroform
Concen: 1.882 ug/l
RT: 5.099 min Scan# 658
Delta R.T. 0.012 min
Lab File: VX045418.D
Acq: 24 Mar 2025 16:27

Tgt Ion: 83 Resp: 3153

Ion	Ratio	Lower	Upper
83	100		
85	54.6	51.4	77.2



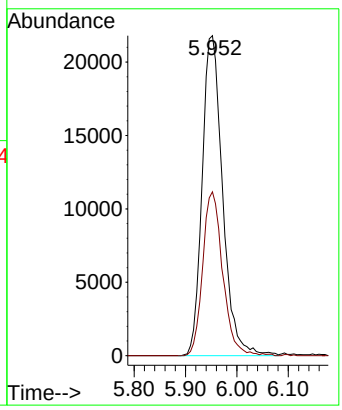


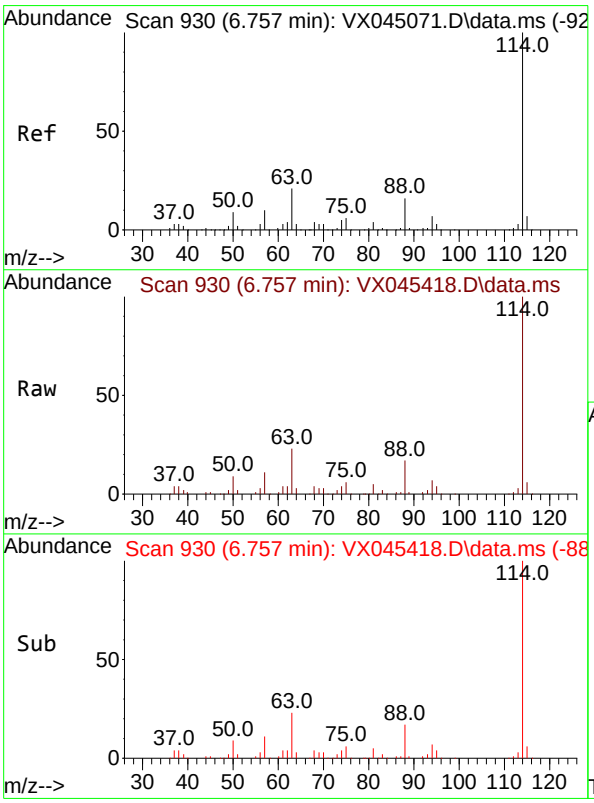
#33
1,2-Dichloroethane-d4
Concen: 56.111 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045418.D
Acq: 24 Mar 2025 16:27

Instrument :
MSVOA_X
ClientSampleId :
RE132D6-20250318

Tgt Ion: 65 Resp: 60377

Ion	Ratio	Lower	Upper
65	100		
67	49.8	0.0	106.2

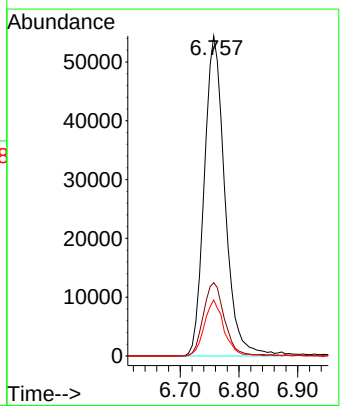


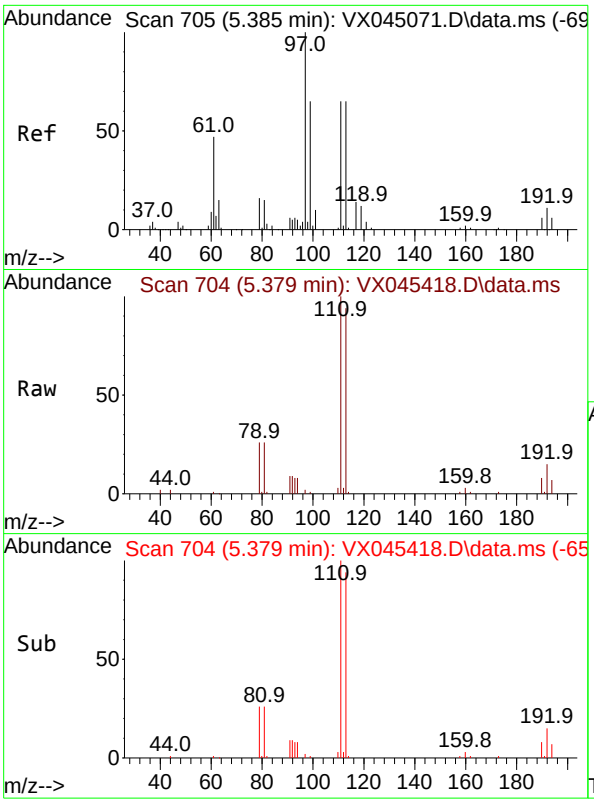


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX045418.D
Acq: 24 Mar 2025 16:27

Tgt Ion:114 Resp: 132501

Ion	Ratio	Lower	Upper
114	100		
63	22.9	0.0	41.8
88	17.5	0.0	32.8



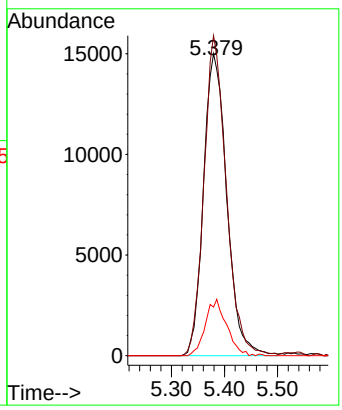


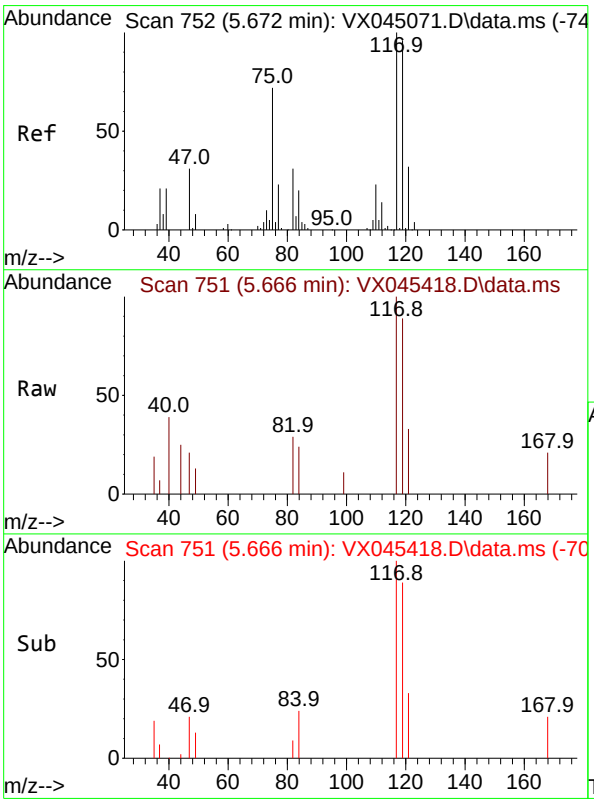
#35
Dibromofluoromethane
Concen: 51.727 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045418.D
Acq: 24 Mar 2025 16:27

Instrument :
MSVOA_X
ClientSampleId :
RE132D6-20250318

Tgt Ion:113 Resp: 45830

Ion	Ratio	Lower	Upper
113	100		
111	101.7	81.8	122.6
192	17.0	14.3	21.5

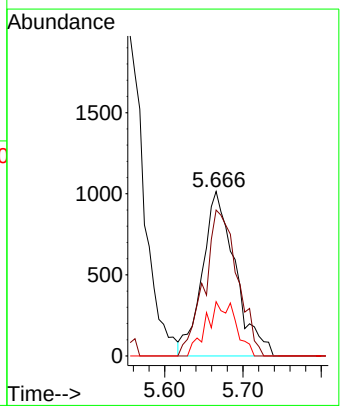


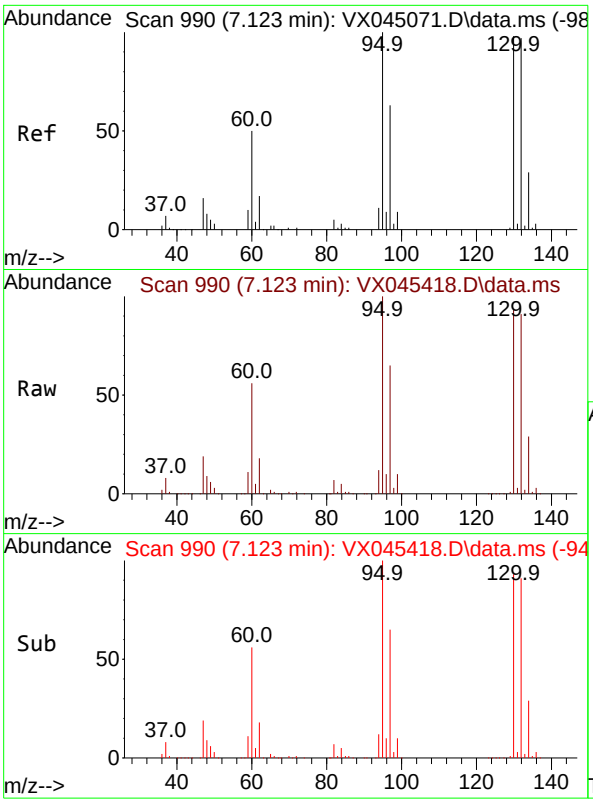


#38
Carbon Tetrachloride
Concen: 2.396 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX045418.D
Acq: 24 Mar 2025 16:27

Tgt Ion:117 Resp: 2956

Ion	Ratio	Lower	Upper
117	100		
119	88.8	76.7	115.1
121	33.0	25.5	38.3



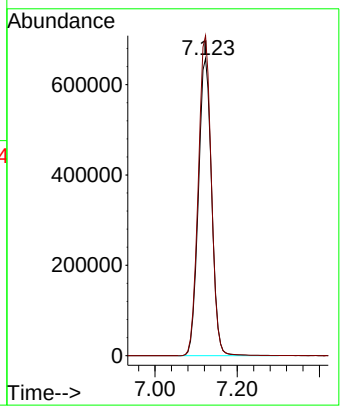


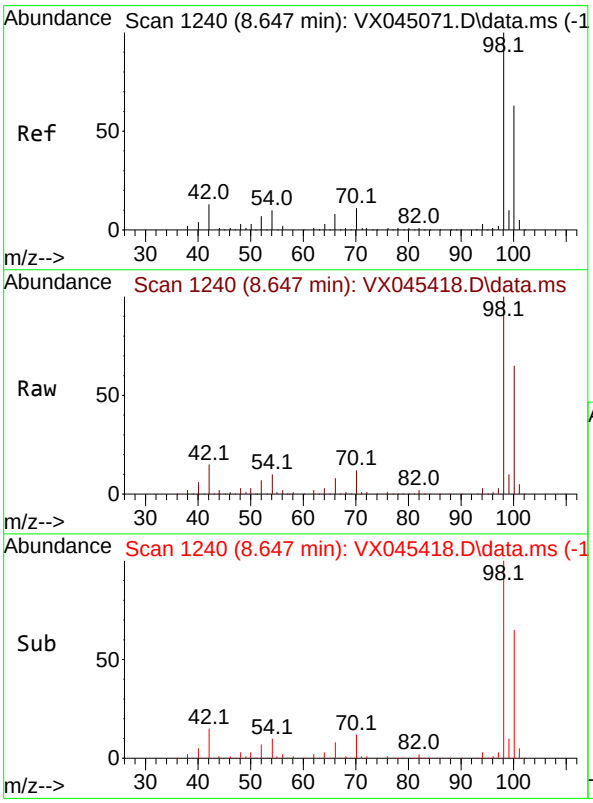
#44
Trichloroethene
Concen: 1630.385 ug/l
RT: 7.123 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX045418.D
Acq: 24 Mar 2025 16:27

Instrument :
MSVOA_X
ClientSampleId :
RE132D6-20250318

Tgt Ion:130 Resp: 1468868

Ion	Ratio	Lower	Upper
130	100		
95	107.6	0.0	205.0

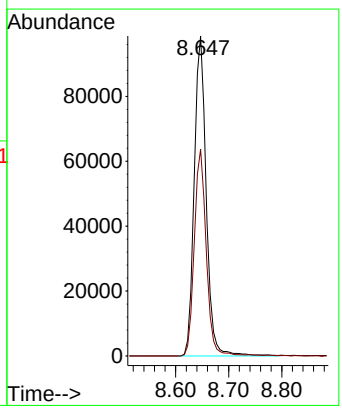


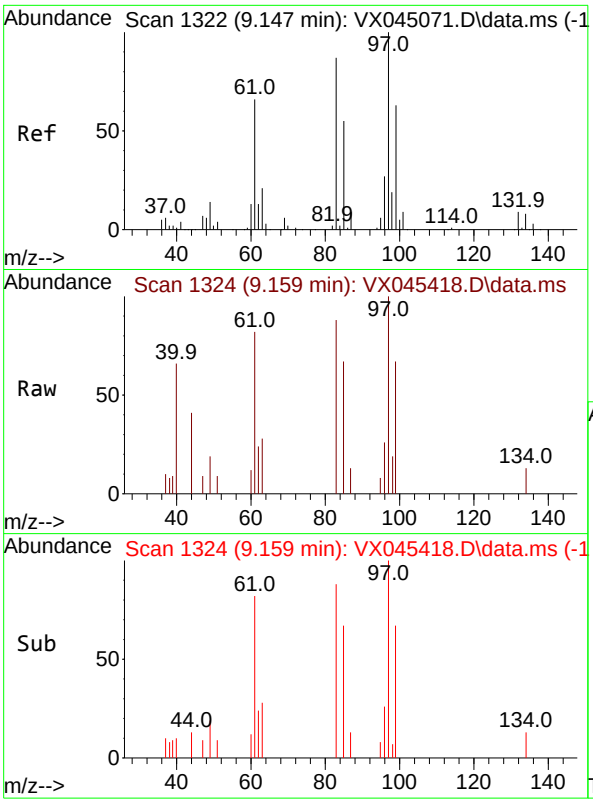


#50
Toluene-d8
Concen: 48.239 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045418.D
Acq: 24 Mar 2025 16:27

Tgt Ion: 98 Resp: 154947

Ion	Ratio	Lower	Upper
98	100		
100	64.4	52.0	78.0



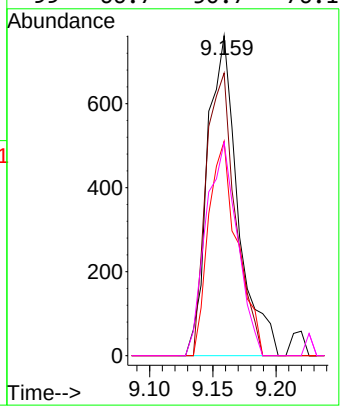


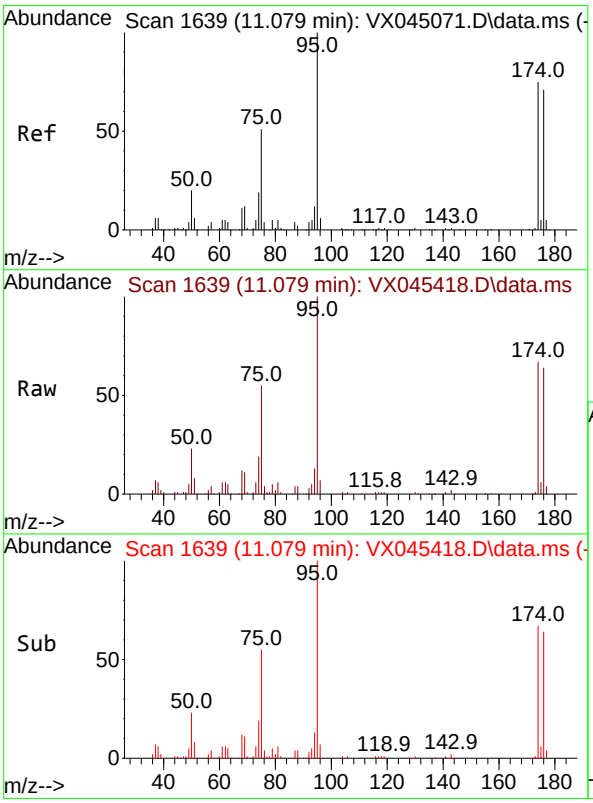
#55
1,1,2-Trichloroethane
Concen: 1.374 ug/l
RT: 9.159 min Scan# 1
Delta R.T. 0.012 min
Lab File: VX045418.D
Acq: 24 Mar 2025 16:27

Instrument :
MSVOA_X
ClientSampleId :
RE132D6-20250318

Tgt Ion: 97 Resp: 1273

Ion	Ratio	Lower	Upper
97	100		
83	88.3	69.4	104.2
85	66.9	44.1	66.1#
99	66.7	50.7	76.1

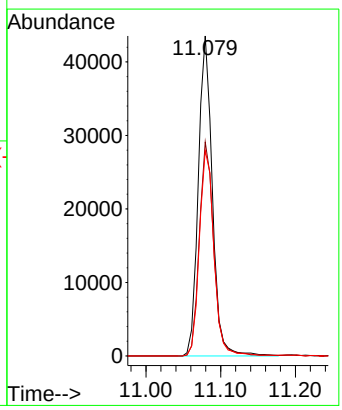


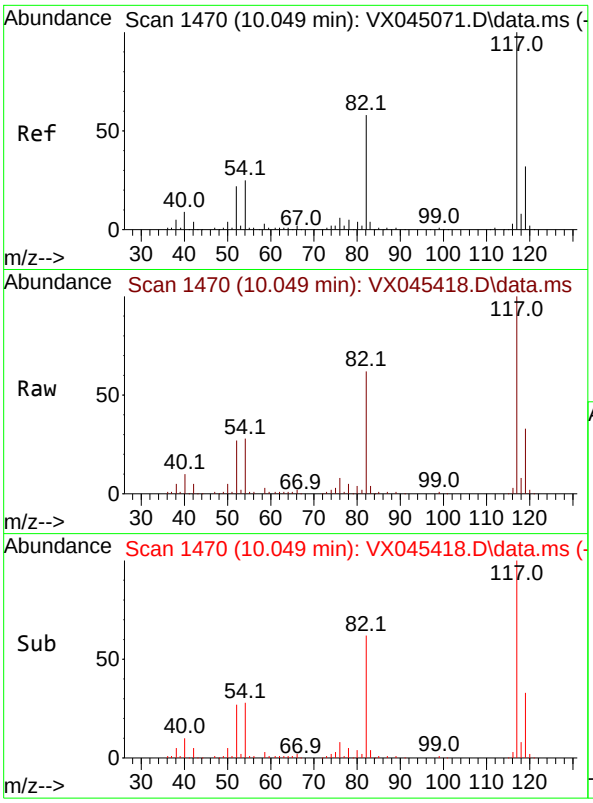


#62
4-Bromofluorobenzene
Concen: 53.275 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX045418.D
Acq: 24 Mar 2025 16:27

Tgt Ion: 95 Resp: 56705

Ion	Ratio	Lower	Upper
95	100		
174	68.8	0.0	148.2
176	66.7	0.0	141.4



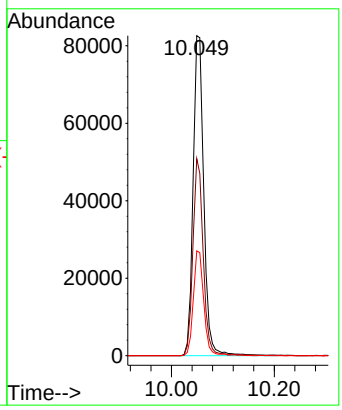


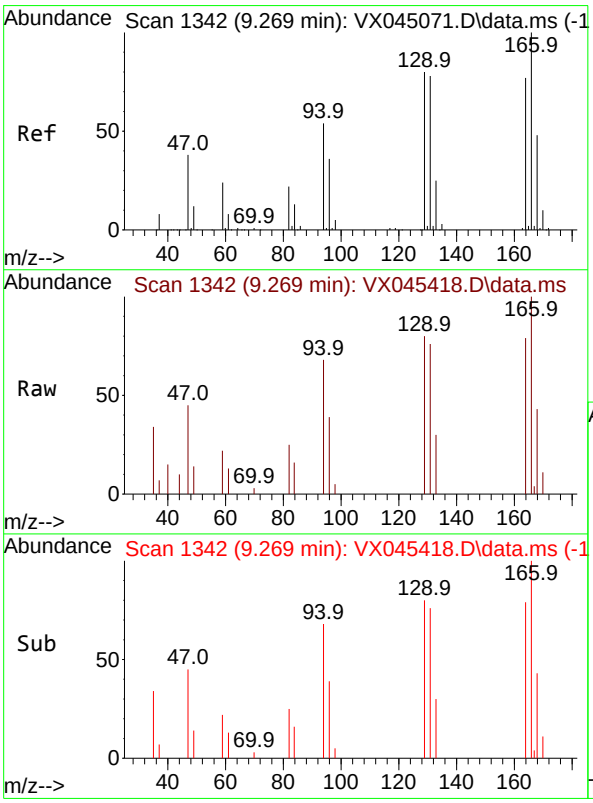
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045418.D
Acq: 24 Mar 2025 16:27

Instrument :
MSVOA_X
ClientSampleId :
RE132D6-20250318

Tgt Ion:117 Resp: 119350

Ion	Ratio	Lower	Upper
117	100		
82	61.5	46.3	69.5
119	32.7	25.7	38.5

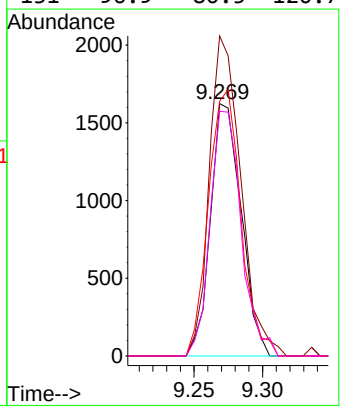


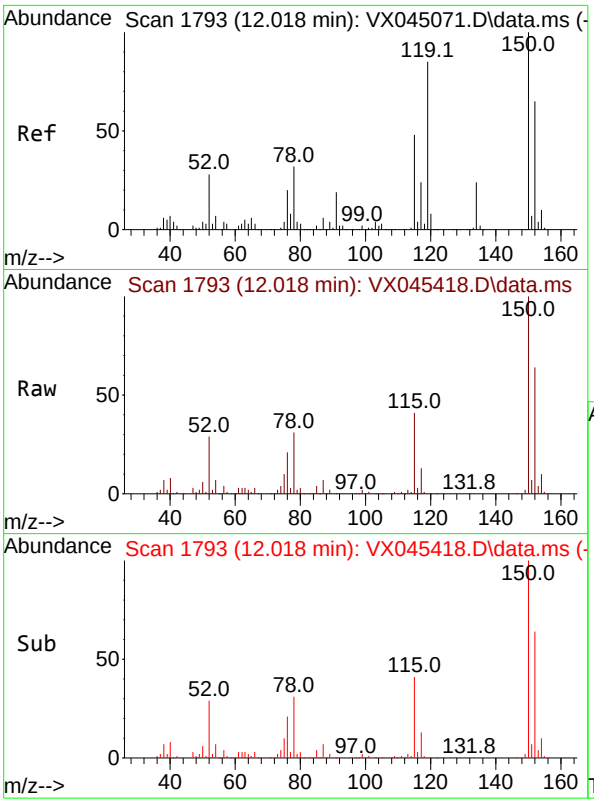


#64
Tetrachloroethene
Concen: 3.306 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX045418.D
Acq: 24 Mar 2025 16:27

Tgt Ion:164 Resp: 2527

Ion	Ratio	Lower	Upper
164	100		
166	126.8	103.6	155.4
129	100.9	82.7	124.1
131	96.9	80.5	120.7



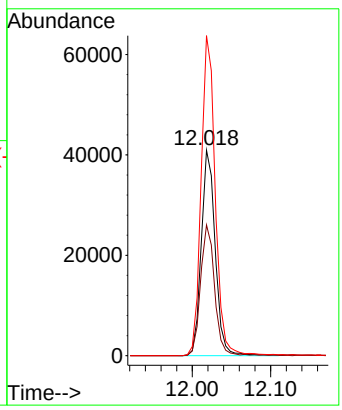


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045418.D
Acq: 24 Mar 2025 16:27

Instrument :
MSVOA_X
ClientSampleId :
RE132D6-20250318

Tgt Ion:152 Resp: 50651

Ion	Ratio	Lower	Upper
152	100		
115	64.3	44.2	132.6
150	158.0	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:	03/18/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/19/25
Client Sample ID:	RE132D6-20250318DL	SDG No.:	Q1608
Lab Sample ID:	Q1608-18DL	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
VX045440.D	50		03/25/25 15:13	VX032525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	25.0	UD	11.0	25.0	50.0	ug/L
74-87-3	Chloromethane	25.0	UD	16.0	25.0	50.0	ug/L
75-01-4	Vinyl Chloride	37.5	UD	13.0	37.5	50.0	ug/L
74-83-9	Bromomethane	190	UD	72.0	190	250	ug/L
75-00-3	Chloroethane	37.5	UD	23.5	37.5	50.0	ug/L
75-69-4	Trichlorofluoromethane	25.0	UD	16.5	25.0	50.0	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	25.0	UD	12.5	25.0	50.0	ug/L
75-35-4	1,1-Dichloroethene	37.5	UD	11.5	37.5	50.0	ug/L
67-64-1	Acetone	190	UD	75.5	190	250	ug/L
75-15-0	Carbon Disulfide	37.5	UD	10.5	37.5	50.0	ug/L
1634-04-4	Methyl tert-butyl Ether	25.0	UD	8.00	25.0	50.0	ug/L
79-20-9	Methyl Acetate	37.5	UDQ	13.5	37.5	50.0	ug/L
75-09-2	Methylene Chloride	25.0	UD	14.0	25.0	50.0	ug/L
156-60-5	trans-1,2-Dichloroethene	25.0	UD	11.5	25.0	50.0	ug/L
75-34-3	1,1-Dichloroethane	25.0	UD	11.5	25.0	50.0	ug/L
110-82-7	Cyclohexane	130	UD	72.5	130	250	ug/L
78-93-3	2-Butanone	130	UD	49.0	130	250	ug/L
56-23-5	Carbon Tetrachloride	25.0	UD	12.5	25.0	50.0	ug/L
156-59-2	cis-1,2-Dichloroethene	37.5	UD	9.50	37.5	50.0	ug/L
74-97-5	Bromochloromethane	25.0	UD	11.0	25.0	50.0	ug/L
67-66-3	Chloroform	25.0	UD	12.5	25.0	50.0	ug/L
71-55-6	1,1,1-Trichloroethane	25.0	UD	10.0	25.0	50.0	ug/L
108-87-2	Methylcyclohexane	25.0	UD	8.00	25.0	50.0	ug/L
71-43-2	Benzene	25.0	UD	7.50	25.0	50.0	ug/L
107-06-2	1,2-Dichloroethane	25.0	UD	11.0	25.0	50.0	ug/L
79-01-6	Trichloroethene	1700	D	4.70	37.5	50.0	ug/L
78-87-5	1,2-Dichloropropane	25.0	UD	10.0	25.0	50.0	ug/L
75-27-4	Bromodichloromethane	25.0	UD	11.0	25.0	50.0	ug/L
108-10-1	4-Methyl-2-Pentanone	130	UD	34.0	130	250	ug/L
108-88-3	Toluene	25.0	UD	7.00	25.0	50.0	ug/L

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	03/18/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/19/25
Client Sample ID:	RE132D6-20250318DL	SDG No.:	Q1608
Lab Sample ID:	Q1608-18DL	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
VX045440.D	50		03/25/25 15:13	VX032525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	25.0	UD	8.50	25.0	50.0	ug/L
10061-01-5	cis-1,3-Dichloropropene	25.0	UD	8.00	25.0	50.0	ug/L
79-00-5	1,1,2-Trichloroethane	25.0	UD	10.5	25.0	50.0	ug/L
591-78-6	2-Hexanone	130	UD	44.5	130	250	ug/L
124-48-1	Dibromochloromethane	25.0	UD	9.00	25.0	50.0	ug/L
106-93-4	1,2-Dibromoethane	25.0	UD	7.50	25.0	50.0	ug/L
127-18-4	Tetrachloroethene	25.0	UD	11.5	25.0	50.0	ug/L
108-90-7	Chlorobenzene	25.0	UD	6.00	25.0	50.0	ug/L
100-41-4	Ethyl Benzene	25.0	UD	6.50	25.0	50.0	ug/L
179601-23-1	m/p-Xylenes	50.0	UD	12.0	50.0	100	ug/L
95-47-6	o-Xylene	25.0	UD	6.00	25.0	50.0	ug/L
100-42-5	Styrene	25.0	UD	7.50	25.0	50.0	ug/L
75-25-2	Bromoform	25.0	UD	9.50	25.0	50.0	ug/L
98-82-8	Isopropylbenzene	25.0	UD	6.00	25.0	50.0	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	25.0	UD	13.0	25.0	50.0	ug/L
541-73-1	1,3-Dichlorobenzene	25.0	UD	8.00	25.0	50.0	ug/L
106-46-7	1,4-Dichlorobenzene	25.0	UD	9.50	25.0	50.0	ug/L
95-50-1	1,2-Dichlorobenzene	25.0	UD	8.00	25.0	50.0	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	37.5	UD	26.5	37.5	50.0	ug/L
120-82-1	1,2,4-Trichlorobenzene	25.0	UD	10.0	25.0	50.0	ug/L
87-61-6	1,2,3-Trichlorobenzene	37.5	UD	10.0	37.5	50.0	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	53.6		81 - 118		107%	SPK: 50
1868-53-7	Dibromofluoromethane	48.2		80 - 119		96%	SPK: 50
2037-26-5	Toluene-d8	47.0		89 - 112		94%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.7		85 - 114		95%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	64400	5.544				
540-36-3	1,4-Difluorobenzene	127000	6.757				
3114-55-4	Chlorobenzene-d5	113000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	42200	12.018				

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Fax : 908 789 8922

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	03/18/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/19/25
Client Sample ID:	RE132D6-20250318DL	SDG No.:	Q1608
Lab Sample ID:	Q1608-18DL	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
VX045440.D	50		03/25/25 15:13	VX032525

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\VX032525\
Data File : VX045440.D
Acq On : 25 Mar 2025 15:13
Operator : JC/MD
Sample : Q1608-18DL 50X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RE132D6-20250318DL

Quant Time: Mar 26 01:39:28 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

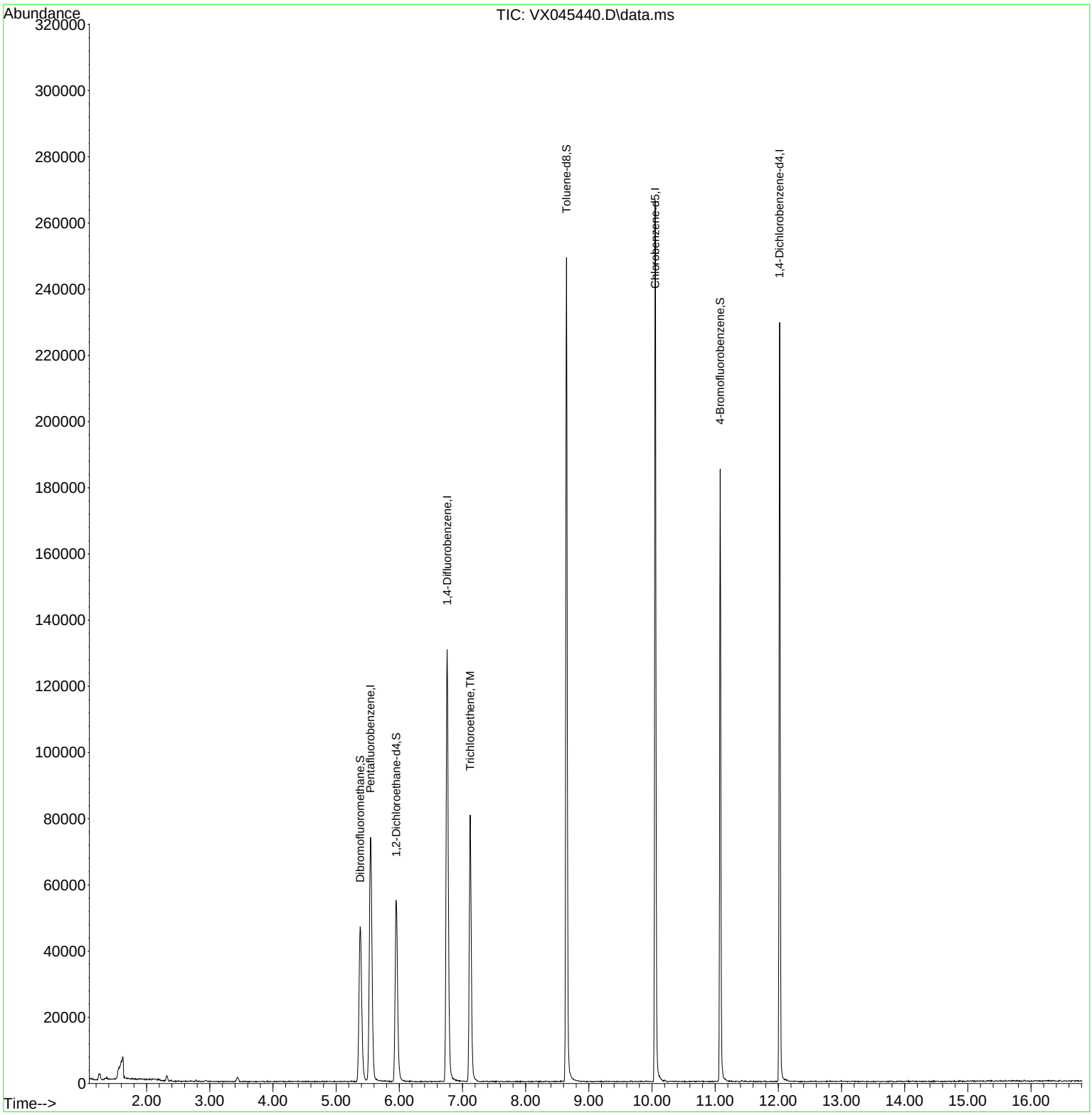
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	64442	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	126973	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	112628	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	42200	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	54937	53.595	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 107.180%			
35) Dibromofluoromethane	5.379	113	40935	48.214	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 96.420%			
50) Toluene-d8	8.647	98	144639	46.990	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 93.980%			
62) 4-Bromofluorobenzene	11.079	95	48609	47.657	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 95.320%			
Target Compounds						Qvalue
44) Trichloroethene	7.123	130	28976	33.562	ug/l	94

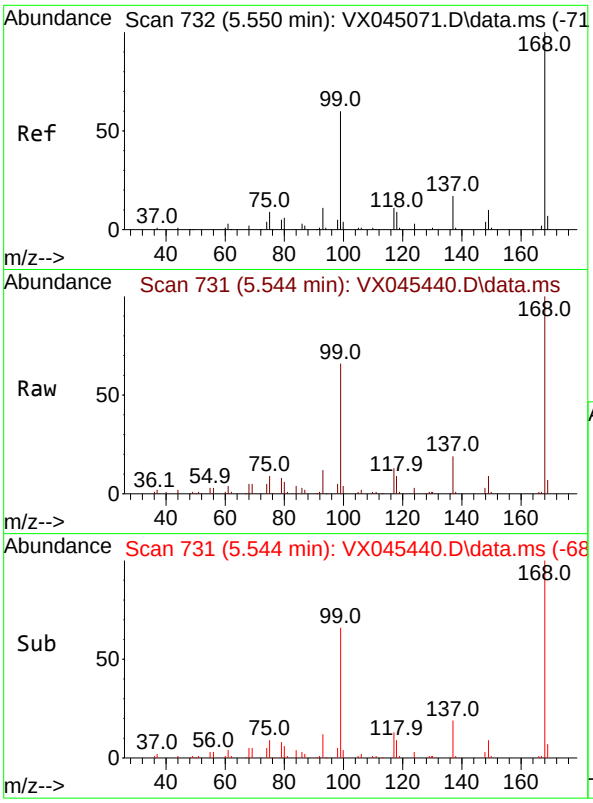
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032525\
Data File : VX045440.D
Acq On : 25 Mar 2025 15:13
Operator : JC/MD
Sample : Q1608-18DL 50X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RE132D6-20250318DL

Quant Time: Mar 26 01:39:28 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



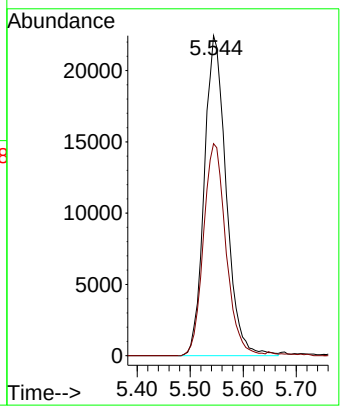


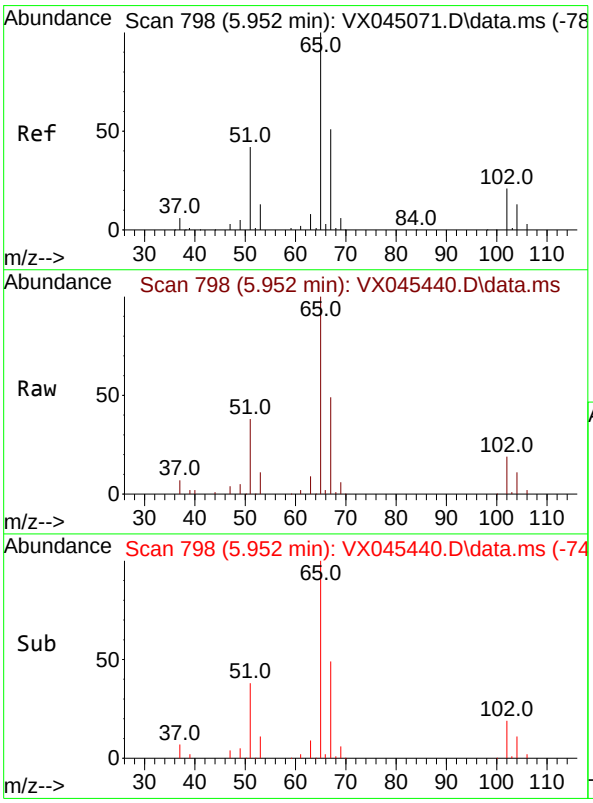
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045440.D
Acq: 25 Mar 2025 15:13

Instrument :
MSVOA_X
ClientSampleId :
RE132D6-20250318DL

Tgt Ion:168 Resp: 64442

Ion	Ratio	Lower	Upper
168	100		
99	66.3	48.2	72.4

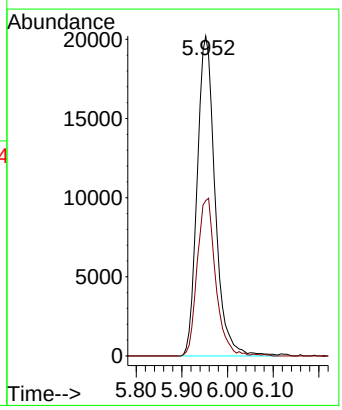


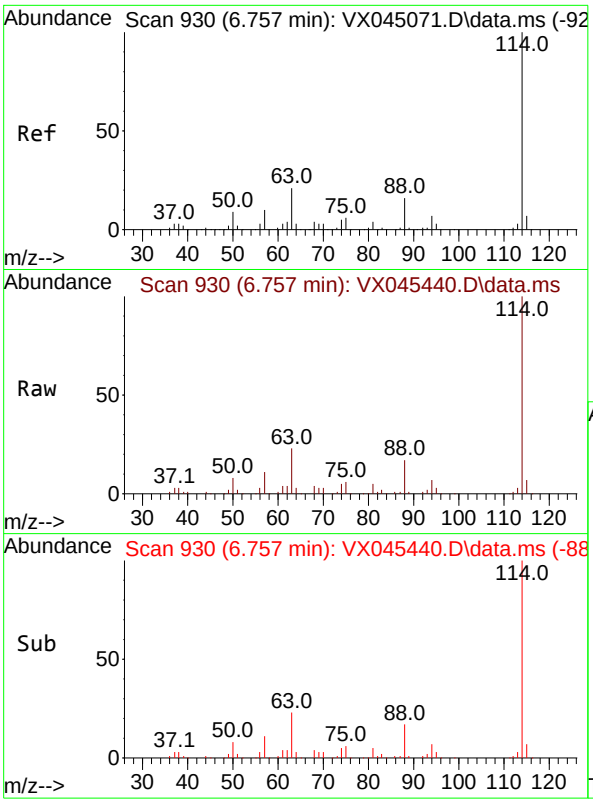


#33
1,2-Dichloroethane-d4
Concen: 53.595 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX045440.D
Acq: 25 Mar 2025 15:13

Tgt Ion: 65 Resp: 54937

Ion	Ratio	Lower	Upper
65	100		
67	50.5	0.0	106.2



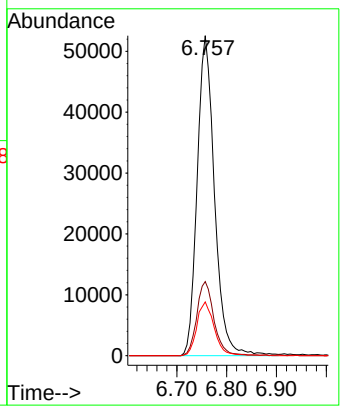


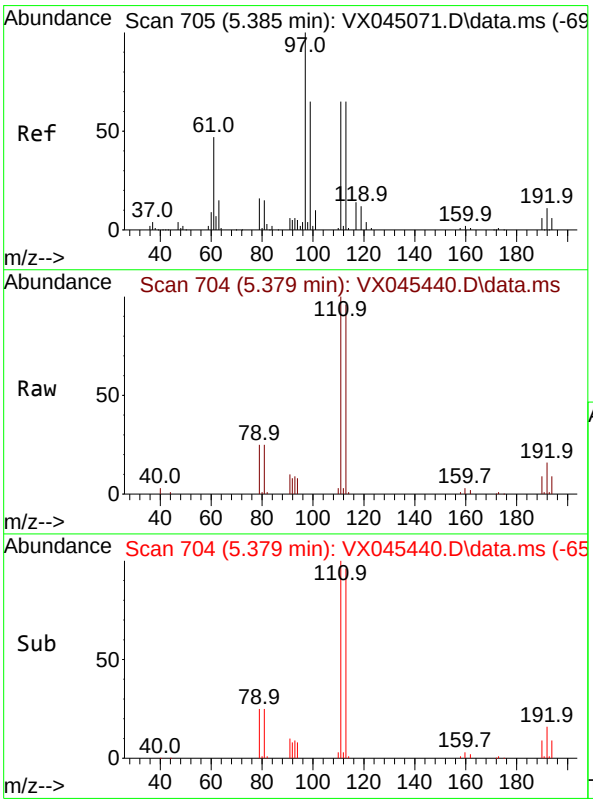
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 9
Delta R.T. 0.000 min
Lab File: VX045440.D
Acq: 25 Mar 2025 15:13

Instrument :
MSVOA_X
ClientSampleId :
RE132D6-20250318DL

Tgt Ion:114 Resp: 126973

Ion	Ratio	Lower	Upper
114	100		
63	23.2	0.0	41.8
88	16.8	0.0	32.8

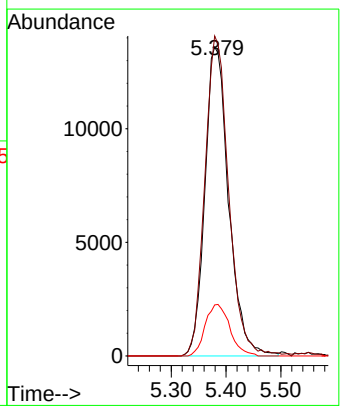


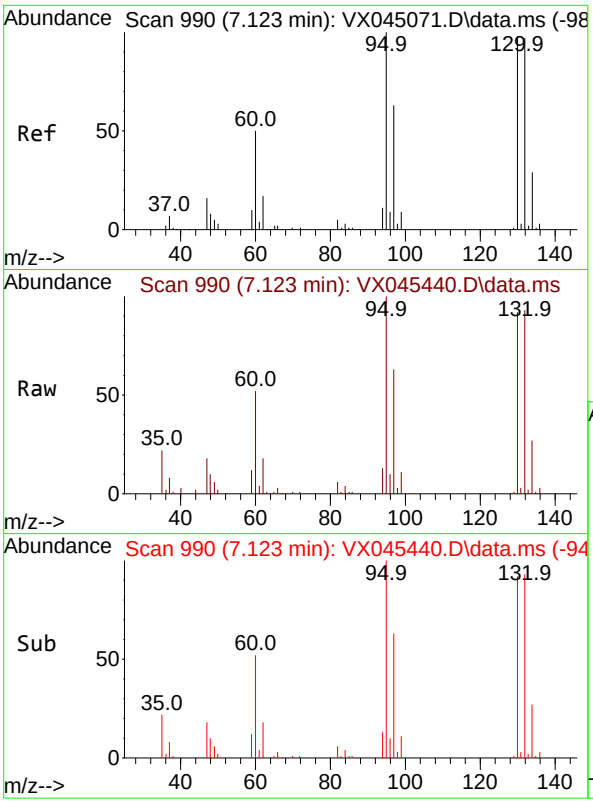


#35
Dibromofluoromethane
Concen: 48.214 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX045440.D
Acq: 25 Mar 2025 15:13

Tgt Ion:113 Resp: 40935

Ion	Ratio	Lower	Upper
113	100		
111	103.9	81.8	122.6
192	17.3	14.3	21.5



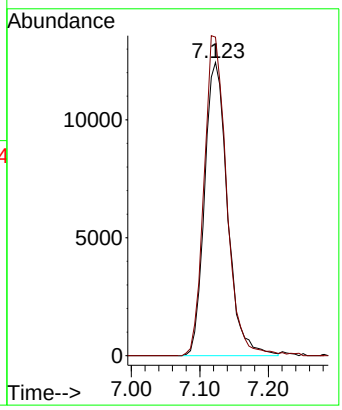


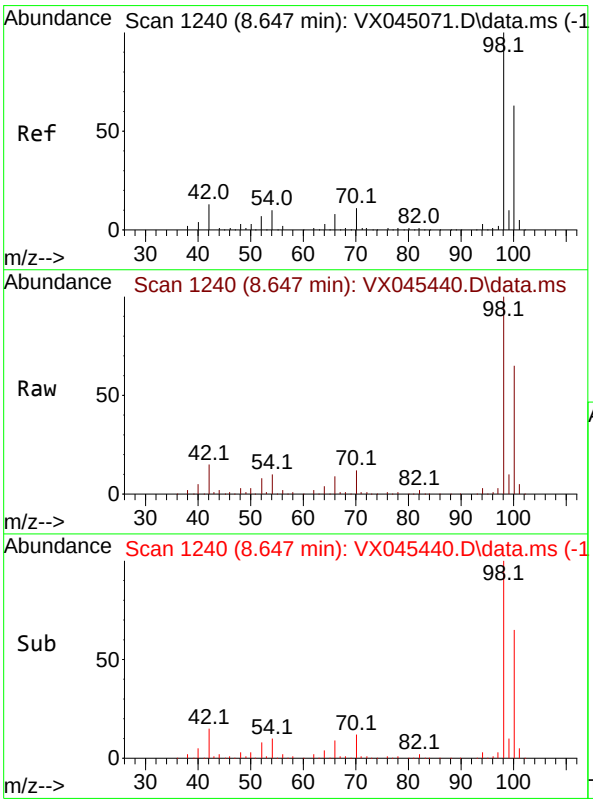
#44
Trichloroethene
Concen: 33.562 ug/l
RT: 7.123 min Scan# 9
Delta R.T. 0.000 min
Lab File: VX045440.D
Acq: 25 Mar 2025 15:13

Instrument :
MSVOA_X
ClientSampleId :
RE132D6-20250318DL

Tgt Ion:130 Resp: 28976

Ion	Ratio	Lower	Upper
130	100		
95	108.6	0.0	205.0

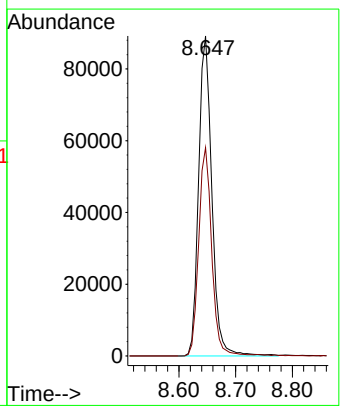


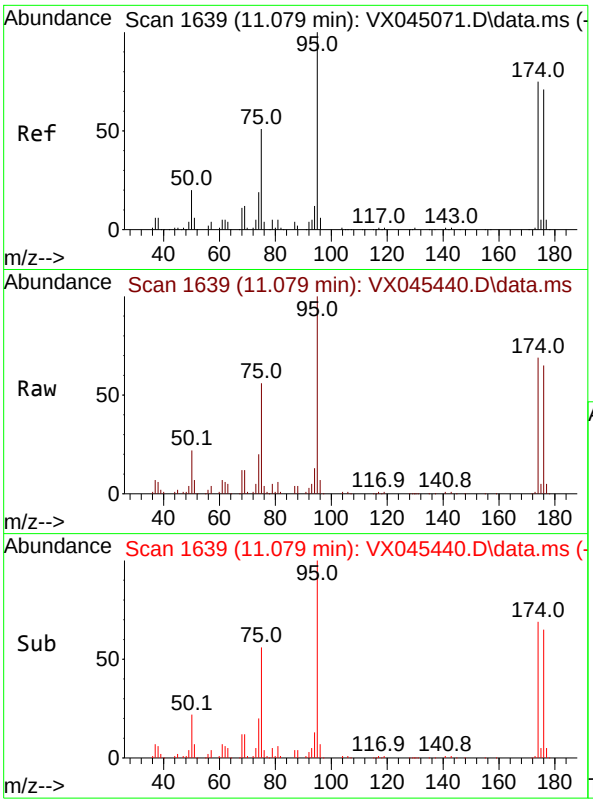


#50
Toluene-d8
Concen: 46.990 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX045440.D
Acq: 25 Mar 2025 15:13

Tgt Ion: 98 Resp: 144639

Ion	Ratio	Lower	Upper
98	100		
100	63.9	52.0	78.0



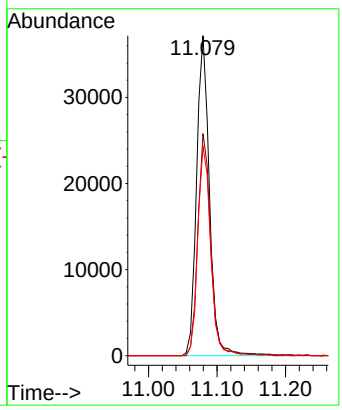


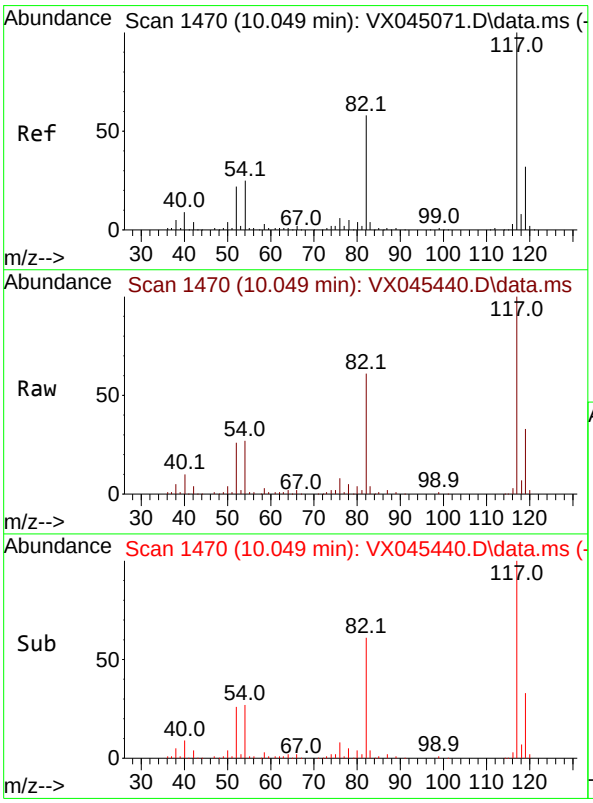
#62
4-Bromofluorobenzene
Concen: 47.657 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045440.D
Acq: 25 Mar 2025 15:13

Instrument :
MSVOA_X
ClientSampleId :
RE132D6-20250318DL

Tgt Ion: 95 Resp: 48609

Ion	Ratio	Lower	Upper
95	100		
174	69.6	0.0	148.2
176	66.0	0.0	141.4

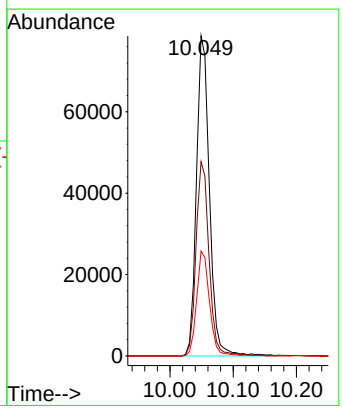


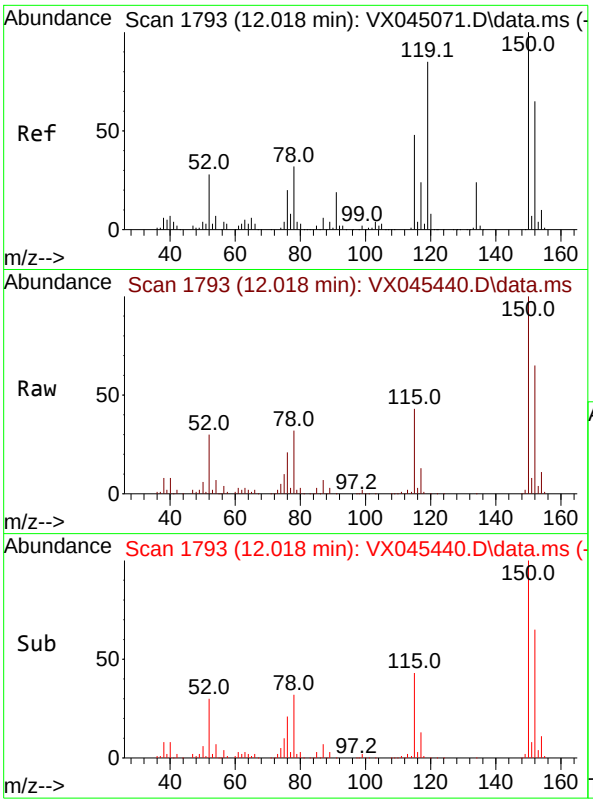


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX045440.D
Acq: 25 Mar 2025 15:13

Tgt Ion:117 Resp: 112628

Ion	Ratio	Lower	Upper
117	100		
82	60.7	46.3	69.5
119	32.8	25.7	38.5



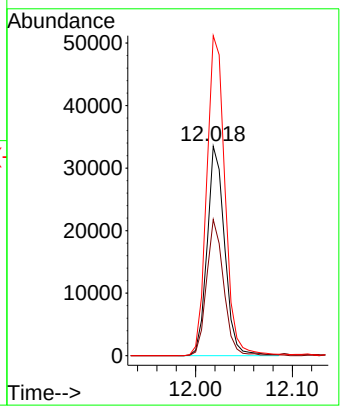


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045440.D
Acq: 25 Mar 2025 15:13

Instrument :
MSVOA_X
ClientSampleId :
RE132D6-20250318DL

Tgt Ion:152 Resp: 42200

Ion	Ratio	Lower	Upper
152	100		
115	63.6	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:	03/18/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/19/25
Client Sample ID:	RE132D7-20250318	SDG No.:	Q1608
Lab Sample ID:	Q1608-19	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
VX045419.D	1		03/24/25 16:50	VX032425

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	20.6		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	7.10		0.23	0.75	1.00	ug/L
67-64-1	Acetone	1.80	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	1.40		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	3.60		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	1.40		0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.16	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	1400	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:	03/18/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/19/25
Client Sample ID:	RE132D7-20250318	SDG No.:	Q1608
Lab Sample ID:	Q1608-19	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
VX045419.D	1		03/24/25 16:50	VX032425

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	0.91	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	3.50		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	52.6		80 - 119		105%	SPK: 50
2037-26-5	Toluene-d8	49.3		89 - 112		99%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.1		85 - 114		104%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	67400	5.55				
540-36-3	1,4-Difluorobenzene	131000	6.757				
3114-55-4	Chlorobenzene-d5	118000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	49400	12.018				

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Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	03/18/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/19/25
Client Sample ID:	RE132D7-20250318	SDG No.:	Q1608
Lab Sample ID:	Q1608-19	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
VX045419.D	1		03/24/25 16:50	VX032425

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\VX032425\
Data File : VX045419.D
Acq On : 24 Mar 2025 16:50
Operator : JC/MD
Sample : Q1608-19
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Mar 25 01:37:11 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 :
RE132D7-20250318

Manual Integrations APPROVED

Reviewed By :John Carlone 03/25/2025
Supervised By :Mahesh Dadoda 03/25/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	67443	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	131029	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	118374	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	49435	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	59857	55.796	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 111.600%			
35) Dibromofluoromethane	5.385	113	46105	52.622	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.240%			
50) Toluene-d8	8.647	98	156497	49.269	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.540%			
62) 4-Bromofluorobenzene	11.079	95	54851	52.112	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 104.220%			
Target Compounds						Qvalue
9) 1,1,2-Trichlorotrifluo...	2.319	101	16113	20.556	ug/l	98
12) 1,1-Dichloroethene	2.307	96	5888	7.105	ug/l	94
16) Acetone	2.392	43	890	1.788	ug/l	94
24) 1,1-Dichloroethane	3.605	63	2870	1.707	ug/l	94
27) cis-1,2-Dichloroethene	4.495	96	3639	3.601	ug/l	96
30) Chloroform	5.099	83	2305	1.380	ug/l #	72
38) Carbon Tetrachloride	5.678	117	1767m	1.449	ug/l	
44) Trichloroethene	7.123	130	1224885	1374.847	ug/l	95
55) 1,1,2-Trichloroethane	9.153	97	835	0.911	ug/l #	90
64) Tetrachloroethene	9.275	164	2671	3.523	ug/l	95

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

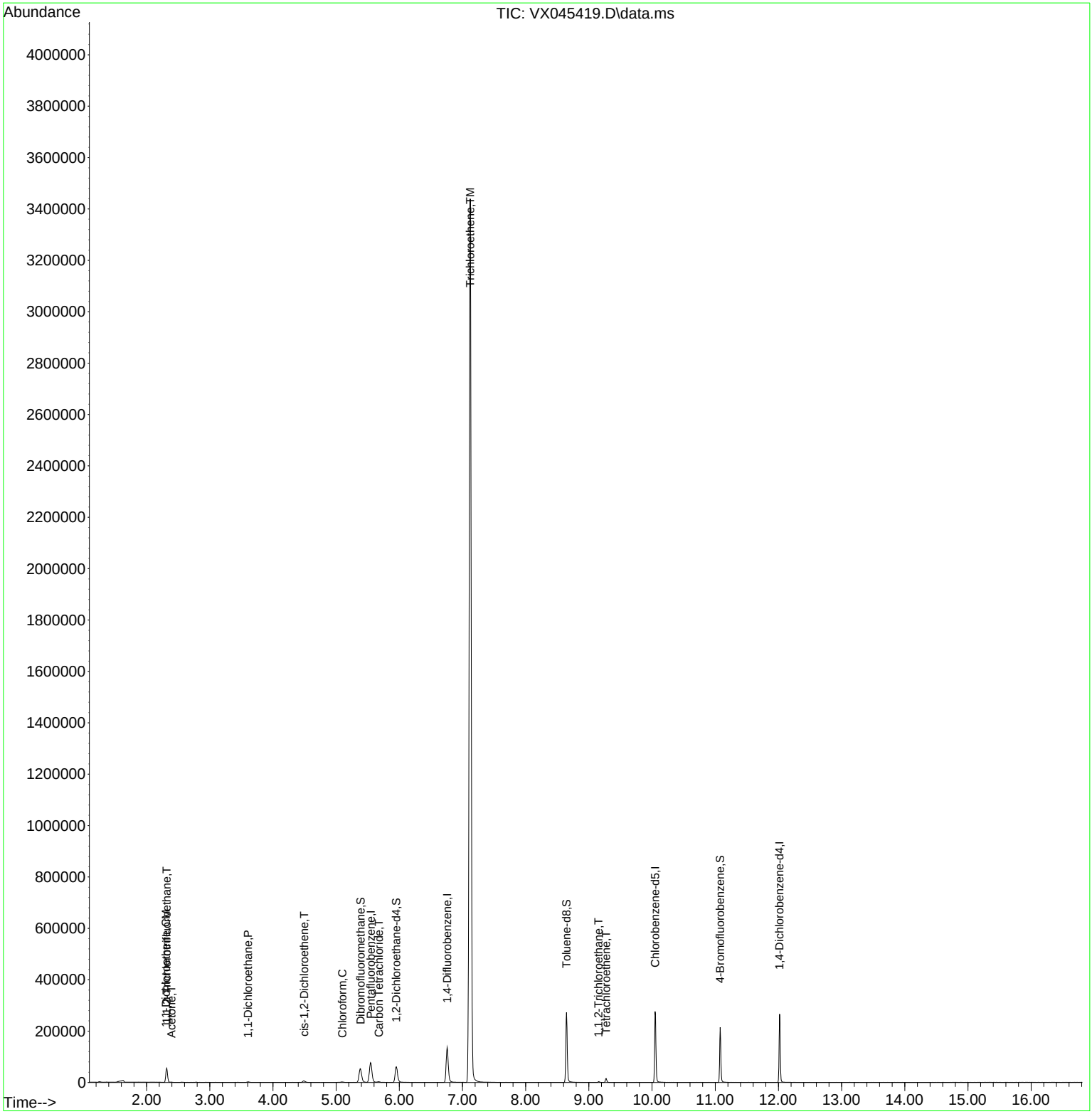
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Data File : VX045419.D
Acq On : 24 Mar 2025 16:50
Operator : JC/MD
Sample : Q1608-19
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

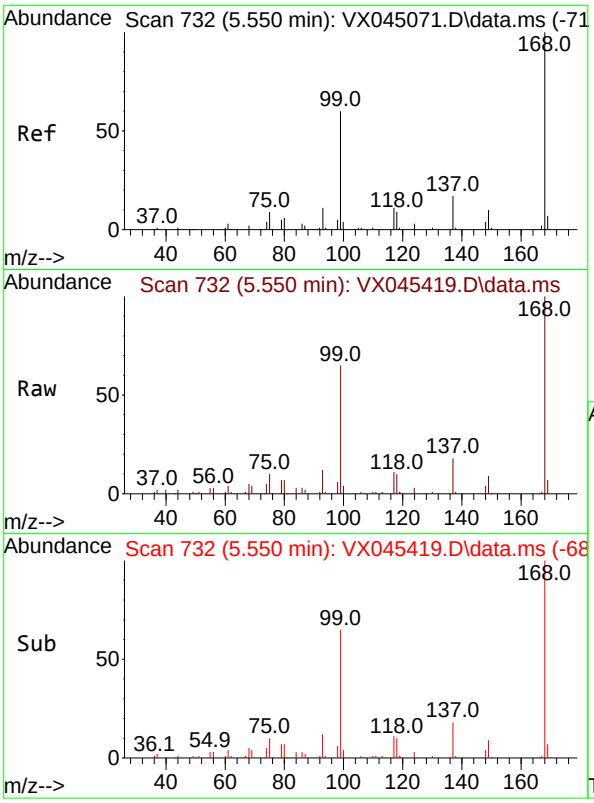
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Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
RE132D7-20250318

Manual Integrations APPROVED

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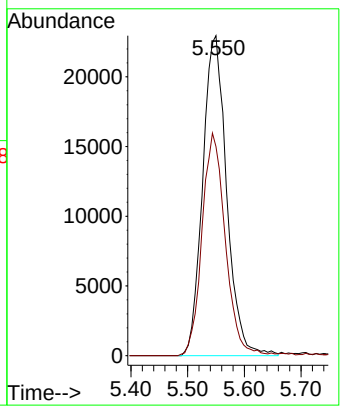




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045419.D
Acq: 24 Mar 2025 16:50

Tgt Ion:168 Resp: 6744

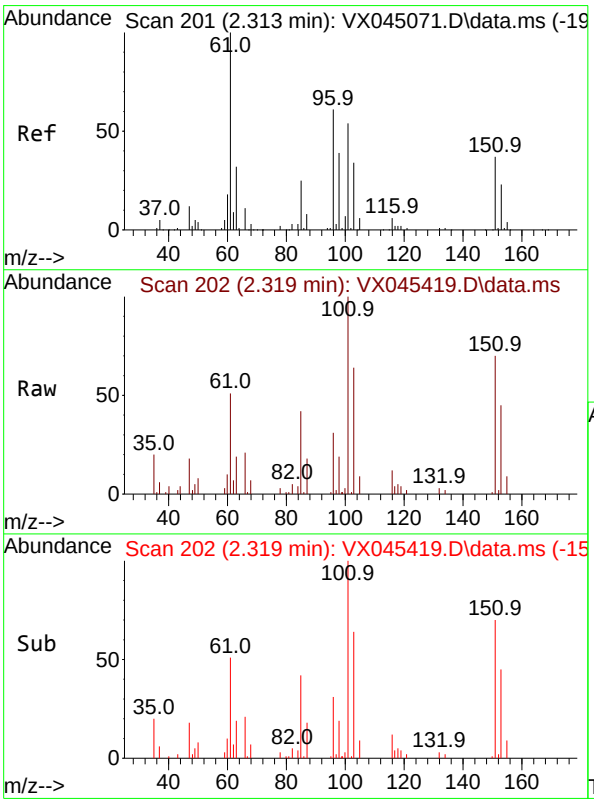
Ion	Ratio	Lower	Upper
168	100		
99	65.3	48.2	72.4



Instrument :
MSVOA_X
ClientSampleId :
RE132D7-20250318

Manual Integrations
APPROVED

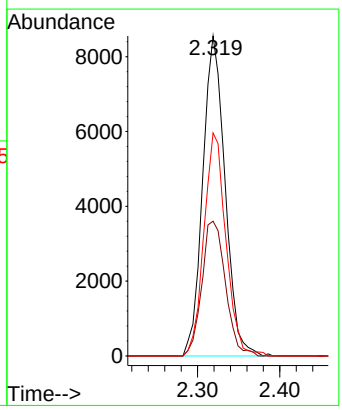
Reviewed By :John Carlone 03/25/2025
Supervised By :Mahesh Dadoda 03/25/2025

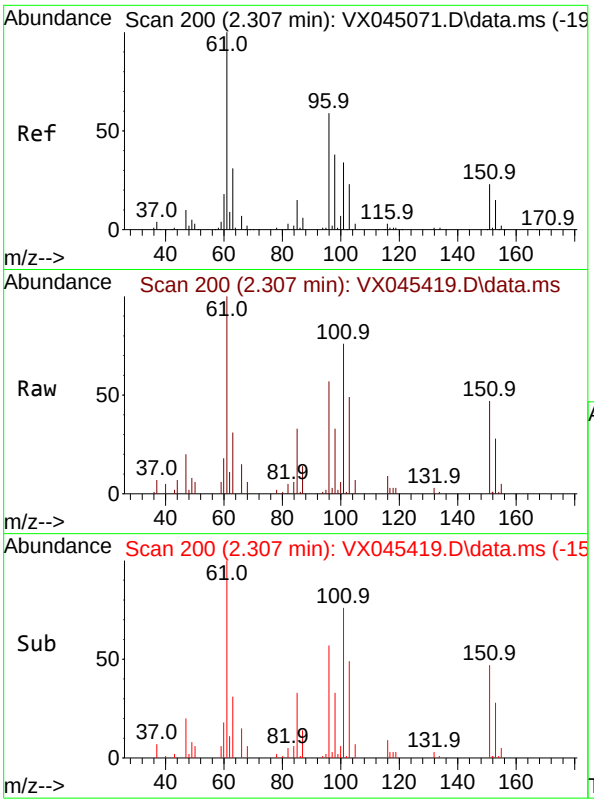


#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.556 ug/l
RT: 2.319 min Scan# 202
Delta R.T. 0.006 min
Lab File: VX045419.D
Acq: 24 Mar 2025 16:50

Tgt Ion:101 Resp: 16113

Ion	Ratio	Lower	Upper
101	100		
85	44.5	36.2	54.4
151	68.8	56.4	84.6

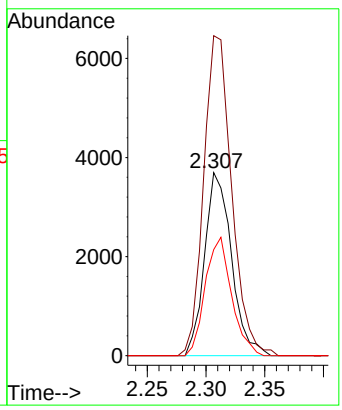




#12
1,1-Dichloroethene
Concen: 7.105 ug/l
RT: 2.307 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045419.D
Acq: 24 Mar 2025 16:50

Tgt Ion: 96 Resp: 588

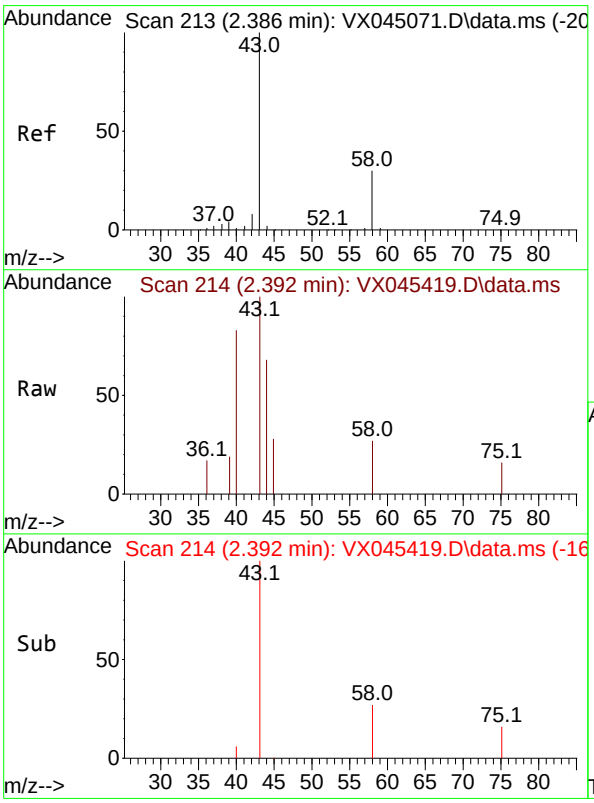
Ion	Ratio	Lower	Upper
96	100		
61	174.8	134.6	202.0
98	57.9	51.0	76.6



Instrument :
MSVOA_X
ClientSampleId :
RE132D7-20250318

Manual Integrations
APPROVED

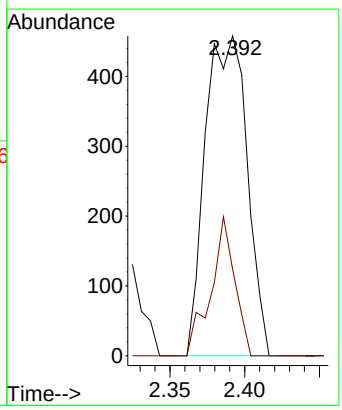
Reviewed By :John Carlone 03/25/2025
Supervised By :Mahesh Dadoda 03/25/2025

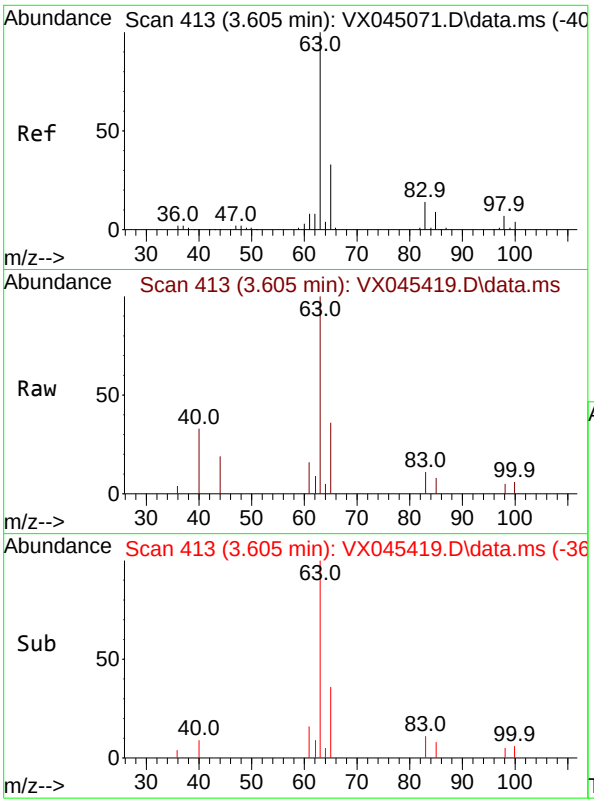


#16
Acetone
Concen: 1.788 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX045419.D
Acq: 24 Mar 2025 16:50

Tgt Ion: 43 Resp: 890

Ion	Ratio	Lower	Upper
43	100		
58	27.1	24.2	36.4

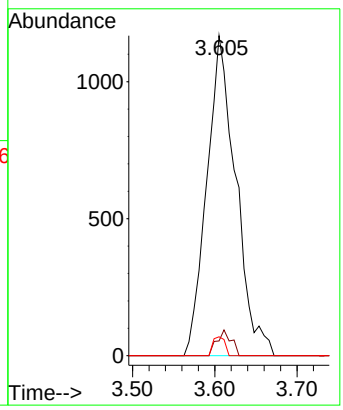




#24
1,1-Dichloroethane
Concen: 1.707 ug/l
RT: 3.605 min Scan# 4
Delta R.T. 0.000 min
Lab File: VX045419.D
Acq: 24 Mar 2025 16:50

Tgt Ion: 63 Resp: 287

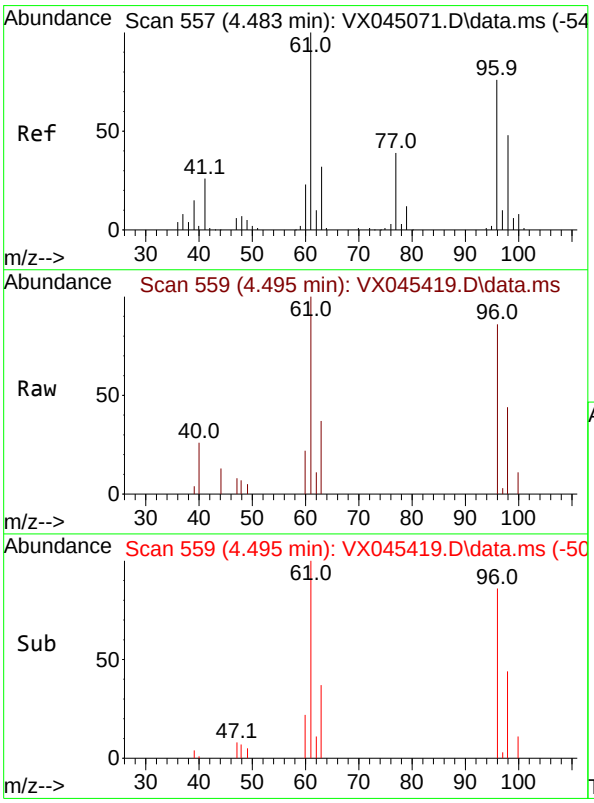
Ion	Ratio	Lower	Upper
63	100		
98	4.6	3.4	10.2
100	5.9	2.1	6.5



Instrument :
MSVOA_X
ClientSampleId :
RE132D7-20250318

Manual Integrations
APPROVED

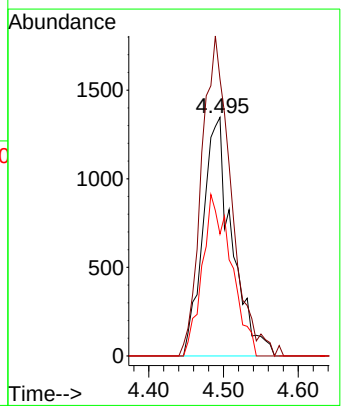
Reviewed By :John Carlone 03/25/2025
Supervised By :Mahesh Dadoda 03/25/2025

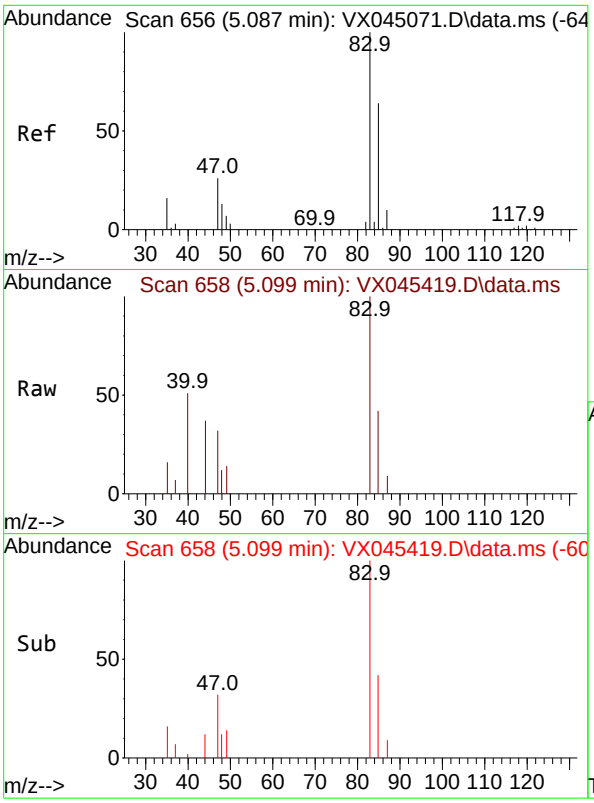


#27
cis-1,2-Dichloroethene
Concen: 3.601 ug/l
RT: 4.495 min Scan# 559
Delta R.T. 0.012 min
Lab File: VX045419.D
Acq: 24 Mar 2025 16:50

Tgt Ion: 96 Resp: 3639

Ion	Ratio	Lower	Upper
96	100		
61	137.0	0.0	283.2
98	67.5	0.0	128.0





#30
Chloroform
Concen: 1.380 ug/l
RT: 5.099 min Scan# 6
Delta R.T. 0.012 min
Lab File: VX045419.D
Acq: 24 Mar 2025 16:50

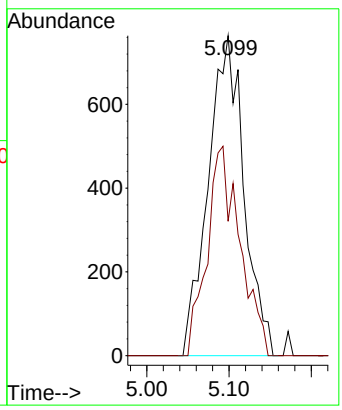
Tgt Ion: 83 Resp: 230

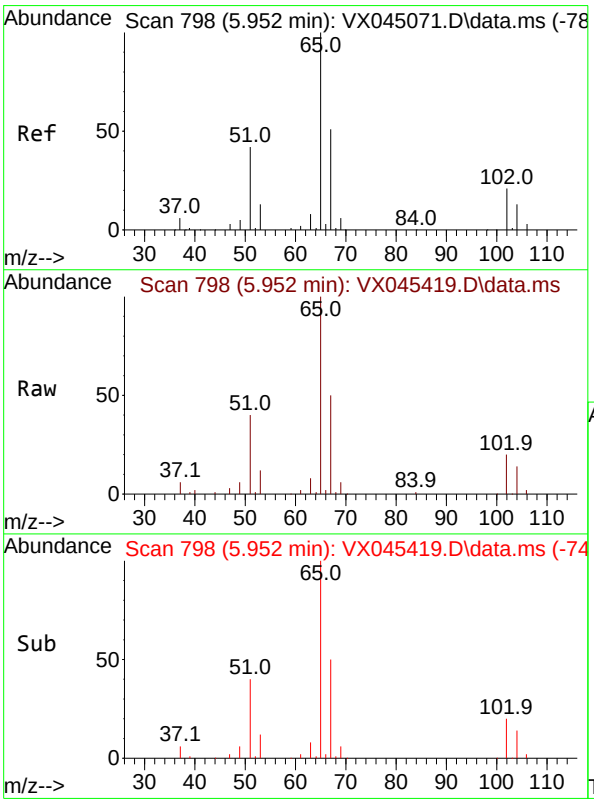
Ion	Ratio	Lower	Upper
83	100		
85	42.0	51.4	77.2

Instrument :
MSVOA_X
ClientSampleId :
RE132D7-20250318

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/25/2025
Supervised By :Mahesh Dadoda 03/25/2025

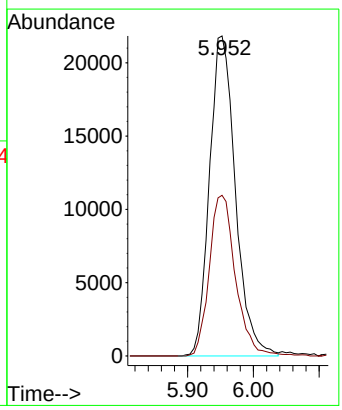


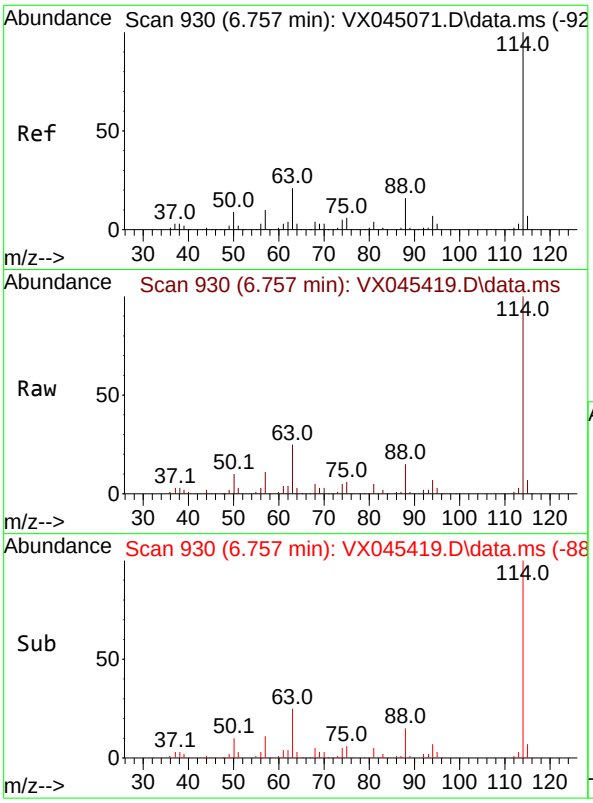


#33
1,2-Dichloroethane-d4
Concen: 55.796 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX045419.D
Acq: 24 Mar 2025 16:50

Tgt Ion: 65 Resp: 59857

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: VX045419.D
Acq: 24 Mar 2025 16:50

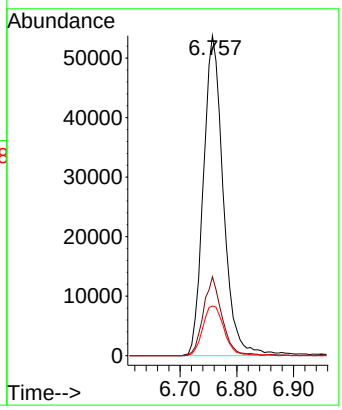
Tgt Ion:114 Resp: 13102

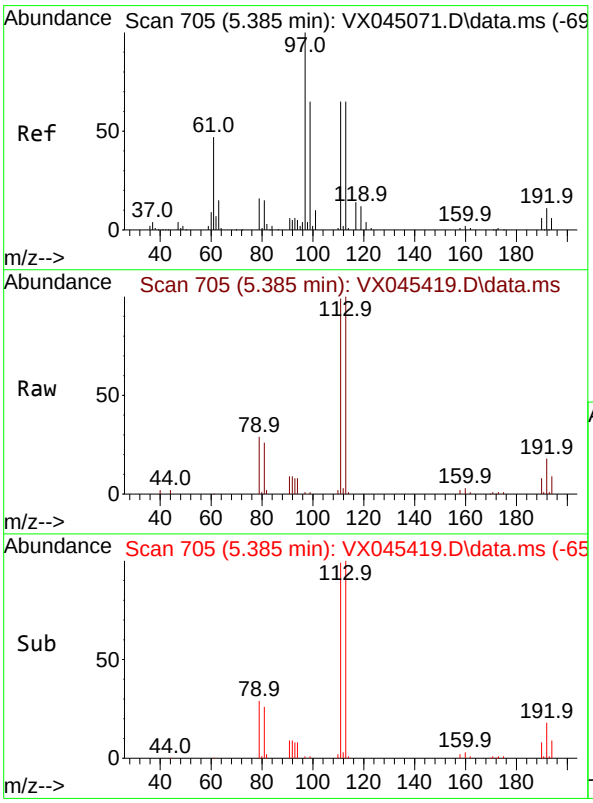
Ion	Ratio	Lower	Upper
114	100		
63	24.6	0.0	41.8
88	15.5	0.0	32.8

Instrument :
MSVOA_X
ClientSampleId :
RE132D7-20250318

Manual Integrations
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Reviewed By :John Carlone 03/25/2025
Supervised By :Mahesh Dadoda 03/25/2025

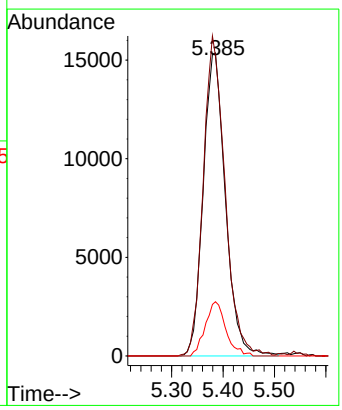


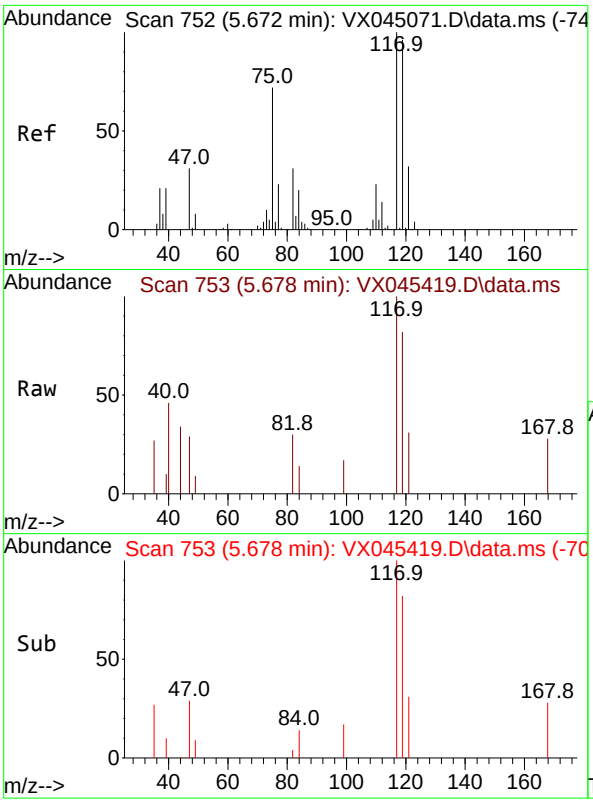


#35
Dibromofluoromethane
Concen: 52.622 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX045419.D
Acq: 24 Mar 2025 16:50

Tgt Ion:113 Resp: 46105

Ion	Ratio	Lower	Upper
113	100		
111	103.4	81.8	122.6
192	16.6	14.3	21.5

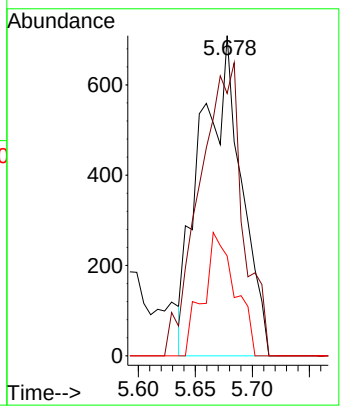




#38
Carbon Tetrachloride
Concen: 1.449 ug/l m
RT: 5.678 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX045419.D
Acq: 24 Mar 2025 16:50

Tgt Ion:117 Resp: 176

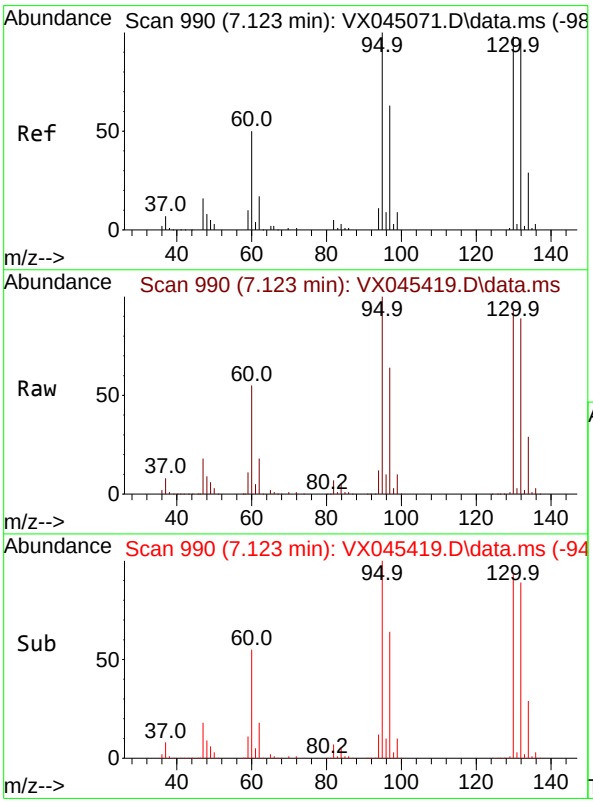
Ion	Ratio	Lower	Upper
117	100		
119	81.9	76.7	115.1
121	31.2	25.5	38.3



Instrument :
MSVOA_X
ClientSampleId :
RE132D7-20250318

Manual Integrations
APPROVED

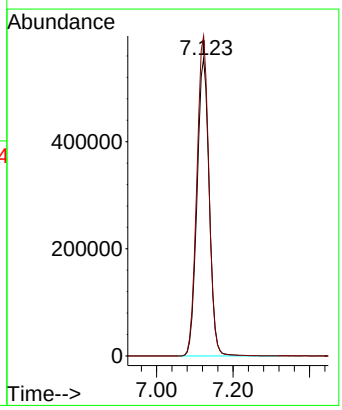
Reviewed By :John Carlone 03/25/2025
Supervised By :Mahesh Dadoda 03/25/2025

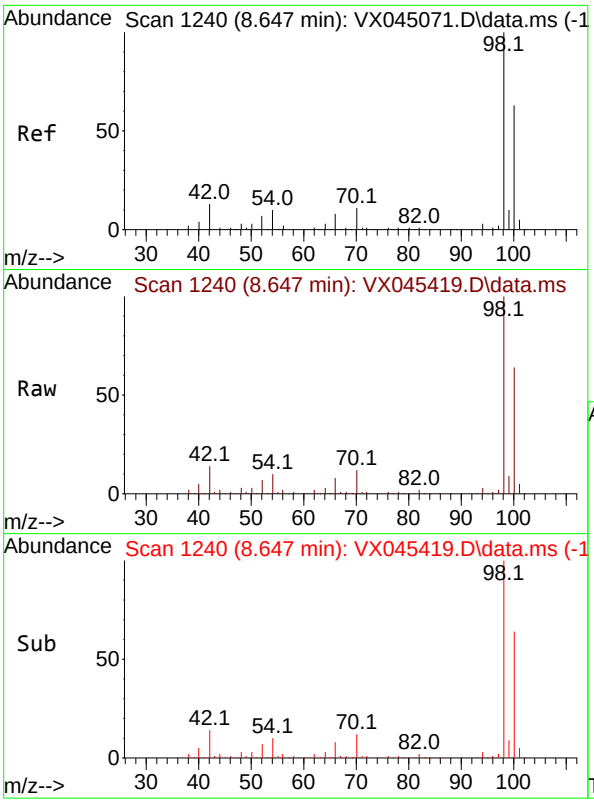


#44
Trichloroethene
Concen: 1374.847 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX045419.D
Acq: 24 Mar 2025 16:50

Tgt Ion:130 Resp: 1224885

Ion	Ratio	Lower	Upper
130	100		
95	107.5	0.0	205.0

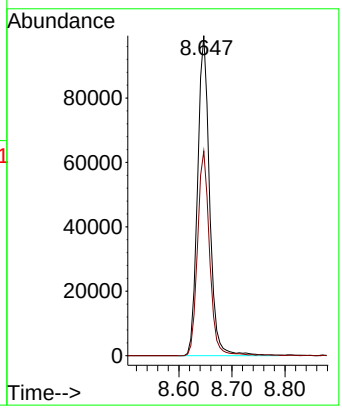




#50
Toluene-d8
Concen: 49.269 ug/l
RT: 8.647 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045419.D
Acq: 24 Mar 2025 16:50

Tgt Ion: 98 Resp: 15649

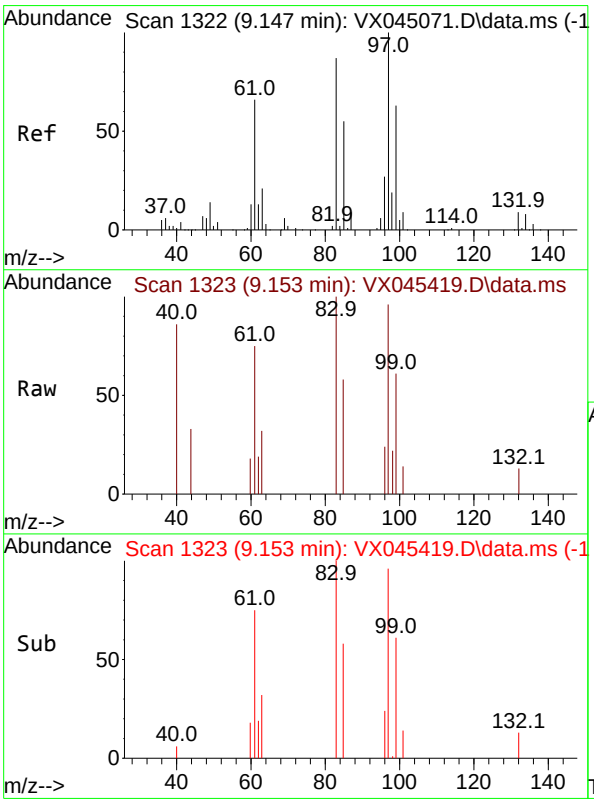
Ion	Ratio	Lower	Upper
98	100		
100	64.1	52.0	78.0



Instrument :
MSVOA_X
ClientSampleId :
RE132D7-20250318

Manual Integrations
APPROVED

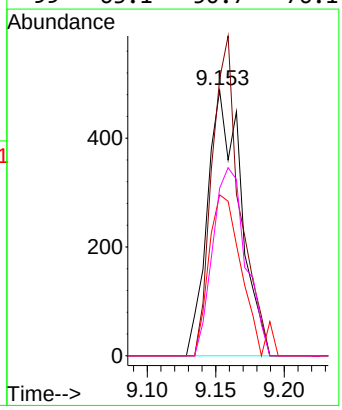
Reviewed By :John Carlone 03/25/2025
Supervised By :Mahesh Dadoda 03/25/2025

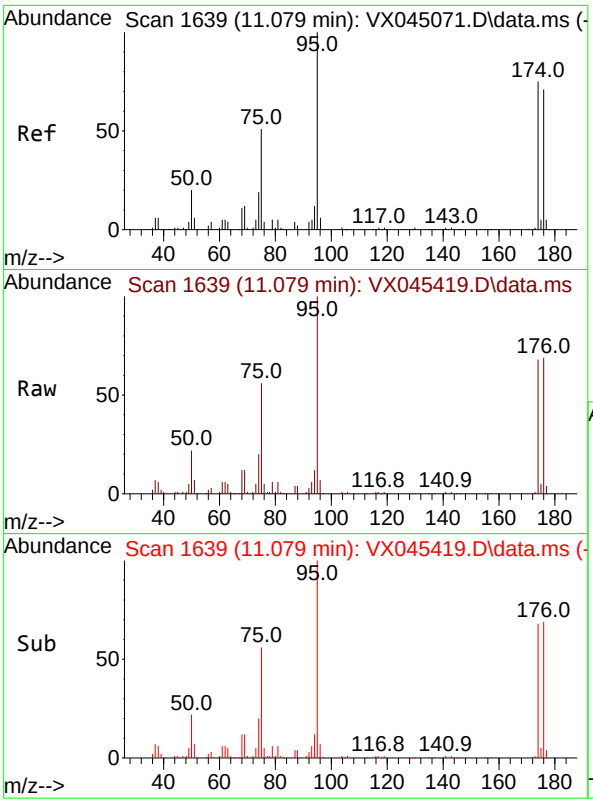


#55
1,1,2-Trichloroethane
Concen: 0.911 ug/l
RT: 9.153 min Scan# 1323
Delta R.T. 0.006 min
Lab File: VX045419.D
Acq: 24 Mar 2025 16:50

Tgt Ion: 97 Resp: 835

Ion	Ratio	Lower	Upper
97	100		
83	104.3	69.4	104.2#
85	60.7	44.1	66.1
99	63.1	50.7	76.1

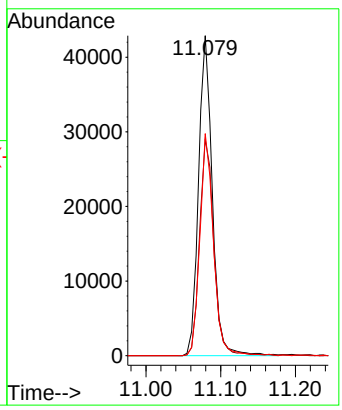




#62
4-Bromofluorobenzene
Concen: 52.112 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045419.D
Acq: 24 Mar 2025 16:50

Tgt Ion: 95 Resp: 5485

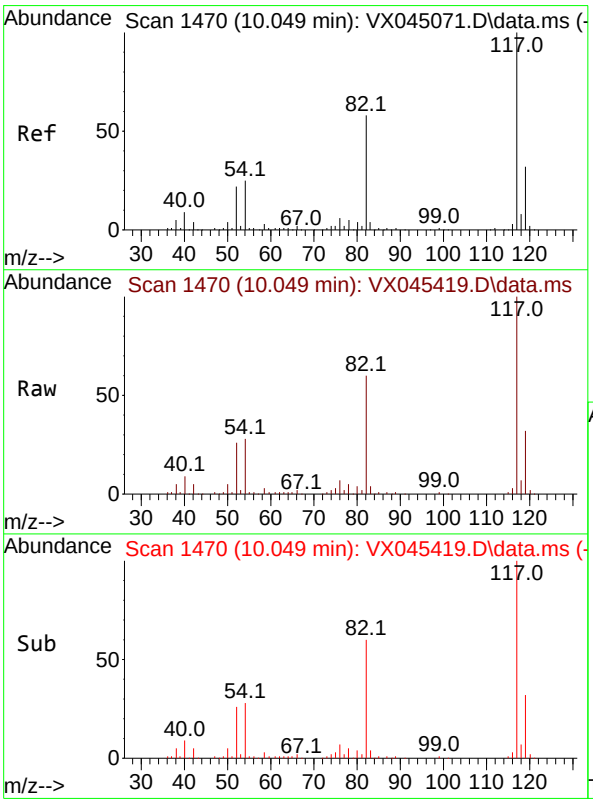
Ion	Ratio	Lower	Upper
95	100		
174	70.3	0.0	148.2
176	68.7	0.0	141.4



Instrument :
MSVOA_X
ClientSampleId :
RE132D7-20250318

Manual Integrations APPROVED

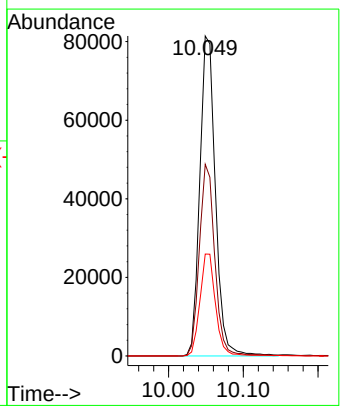
Reviewed By :John Carlone 03/25/2025
Supervised By :Mahesh Dadoda 03/25/2025

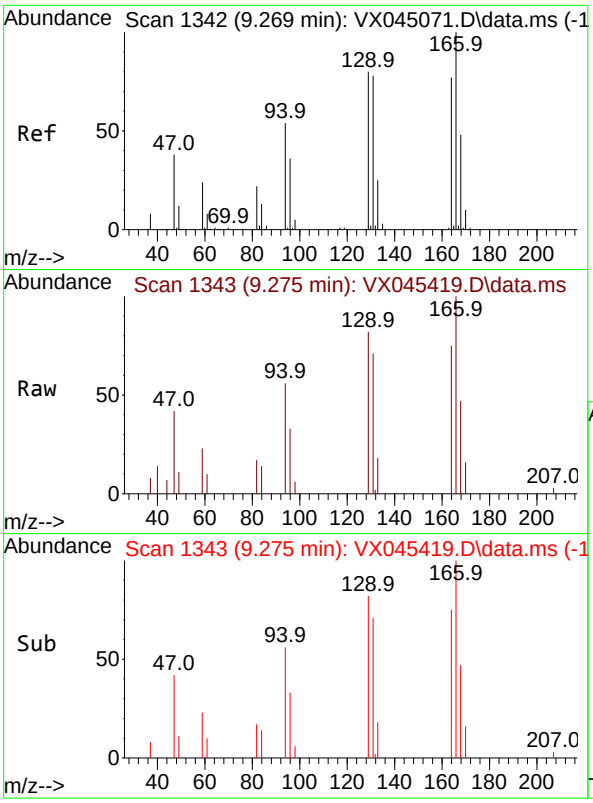


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX045419.D
Acq: 24 Mar 2025 16:50

Tgt Ion:117 Resp: 118374

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

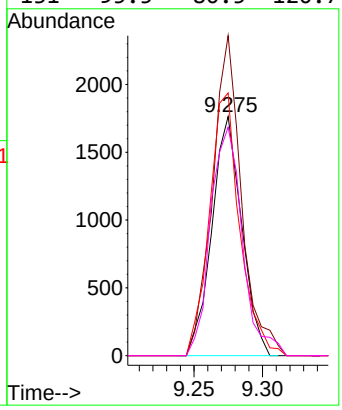




#64
Tetrachloroethene
Concen: 3.523 ug/l
RT: 9.275 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045419.D
Acq: 24 Mar 2025 16:50

Tgt Ion:164 Resp: 267

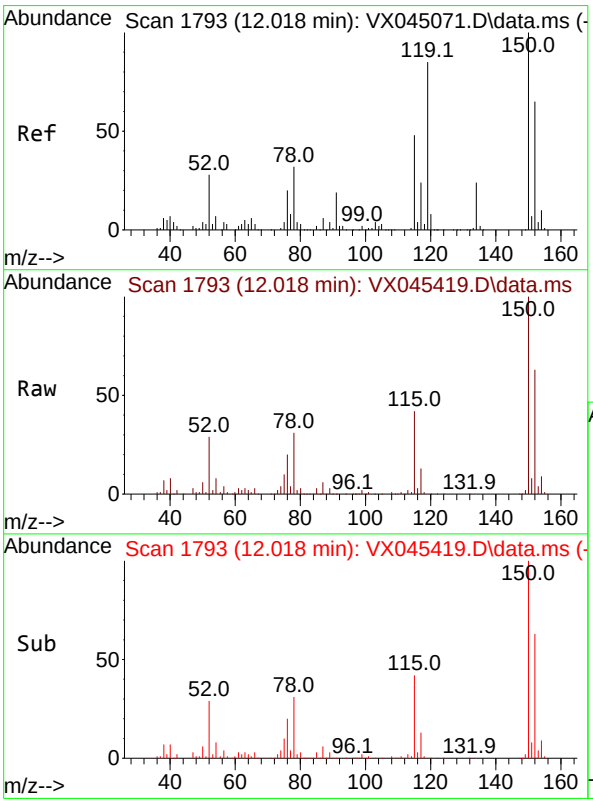
Ion	Ratio	Lower	Upper
164	100		
166	133.8	103.6	155.4
129	109.8	82.7	124.1
131	95.5	80.5	120.7



Instrument :
MSVOA_X
ClientSampleId :
RE132D7-20250318

Manual Integrations
APPROVED

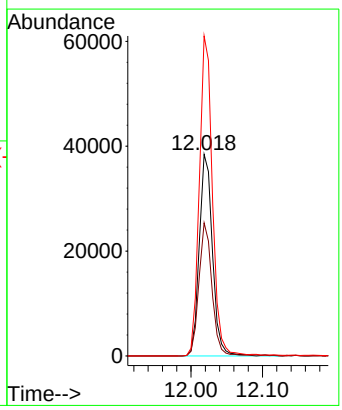
Reviewed By :John Carlone 03/25/2025
Supervised By :Mahesh Dadoda 03/25/2025



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX045419.D
Acq: 24 Mar 2025 16:50

Tgt Ion:152 Resp: 49435

Ion	Ratio	Lower	Upper
152	100		
115	64.9	44.2	132.6
150	157.6	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:	03/18/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/19/25
Client Sample ID:	RE132D7-20250318DL	SDG No.:	Q1608
Lab Sample ID:	Q1608-19DL	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
VX045438.D	20		03/25/25 14:26	VX032525

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	10.0	UD	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	UDQ	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	1300	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:	03/18/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/19/25
Client Sample ID:	RE132D7-20250318DL	SDG No.:	Q1608
Lab Sample ID:	Q1608-19DL	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
VX045438.D	20		03/25/25 14:26	VX032525

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	10.0	UD	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	53.9		81 - 118		108%	SPK: 50
1868-53-7	Dibromofluoromethane	49.8		80 - 119		100%	SPK: 50
2037-26-5	Toluene-d8	47.3		89 - 112		95%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.1		85 - 114		102%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	72400	5.544				
540-36-3	1,4-Difluorobenzene	143000	6.757				
3114-55-4	Chlorobenzene-d5	131000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	51900	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:	03/18/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/19/25
Client Sample ID:	RE132D7-20250318DL	SDG No.:	Q1608
Lab Sample ID:	Q1608-19DL	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
VX045438.D	20		03/25/25 14:26	VX032525

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\VX032525\
Data File : VX045438.D
Acq On : 25 Mar 2025 14:26
Operator : JC/MD
Sample : Q1608-19DL 20X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RE132D7-20250318DL

Quant Time: Mar 26 01:38:37 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

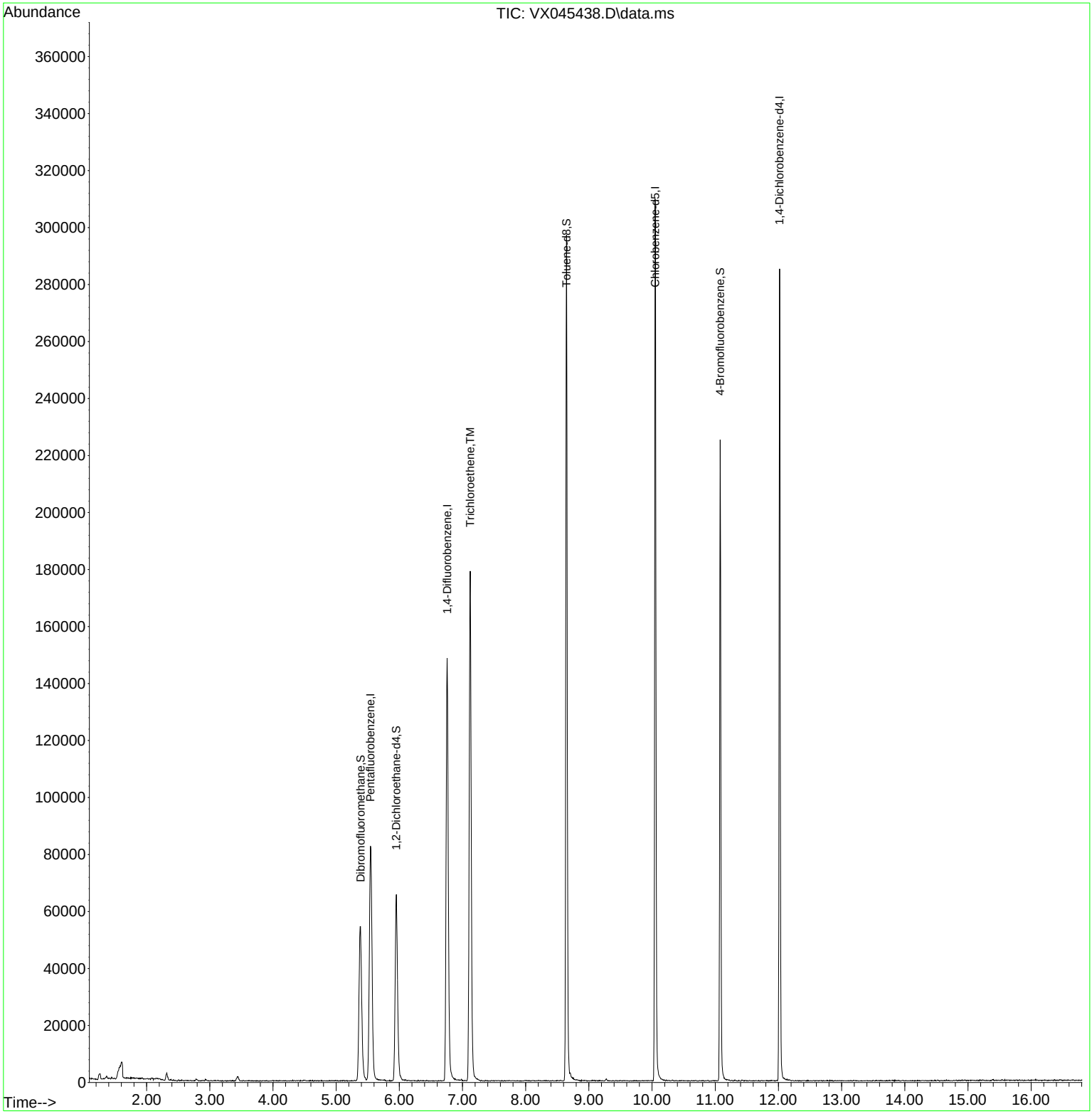
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	72406	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	142524	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	130699	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	51895	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	62108	53.926	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 107.860%			
35) Dibromofluoromethane	5.385	113	47495	49.836	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.680%			
50) Toluene-d8	8.647	98	163588	47.348	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 94.700%			
62) 4-Bromofluorobenzene	11.079	95	58454	51.056	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 102.120%			
Target Compounds						Qvalue
44) Trichloroethene	7.123	130	64366	66.419	ug/l	95

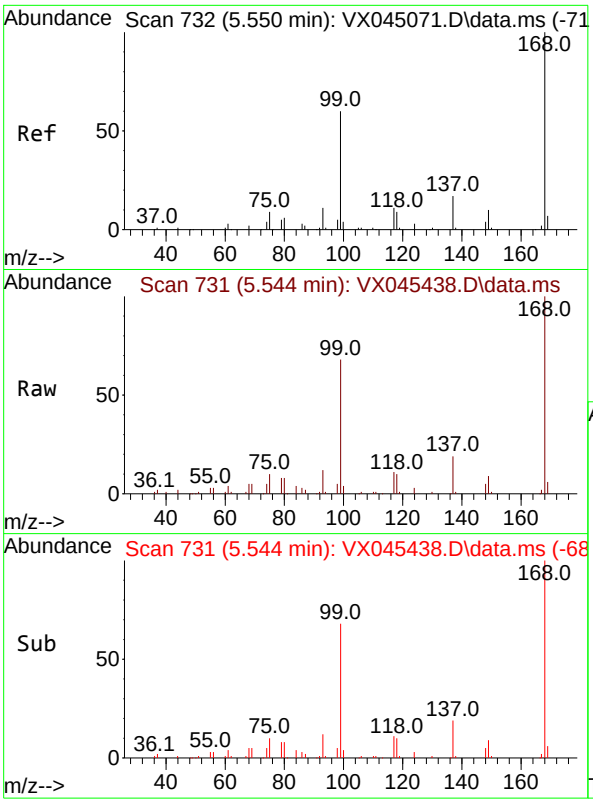
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032525\
Data File : VX045438.D
Acq On : 25 Mar 2025 14:26
Operator : JC/MD
Sample : Q1608-19DL 20X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RE132D7-20250318DL

Quant Time: Mar 26 01:38:37 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



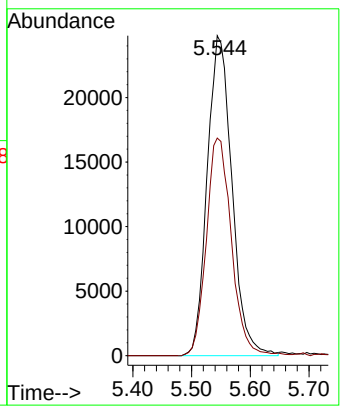


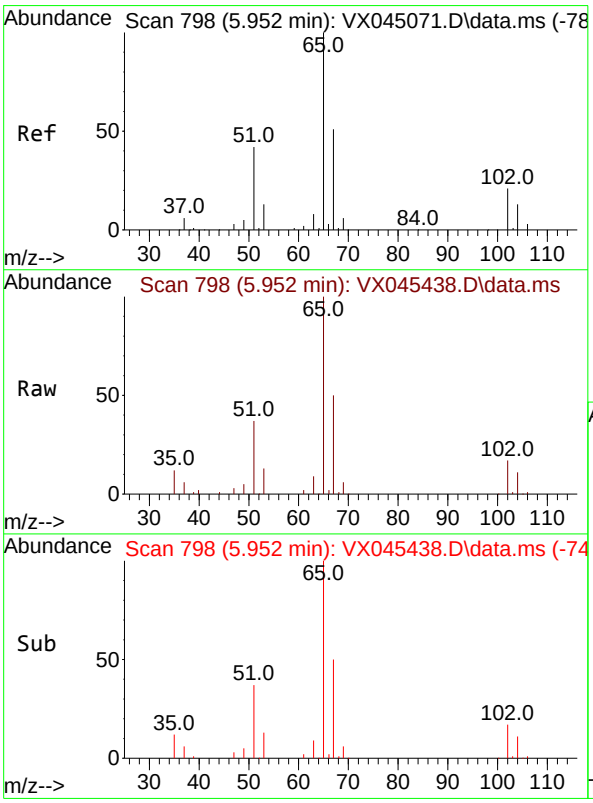
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045438.D
Acq: 25 Mar 2025 14:26

Instrument :
MSVOA_X
ClientSampleId :
RE132D7-20250318DL

Tgt Ion:168 Resp: 72406

Ion	Ratio	Lower	Upper
168	100		
99	68.0	48.2	72.4

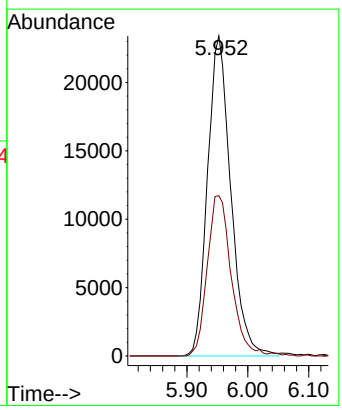


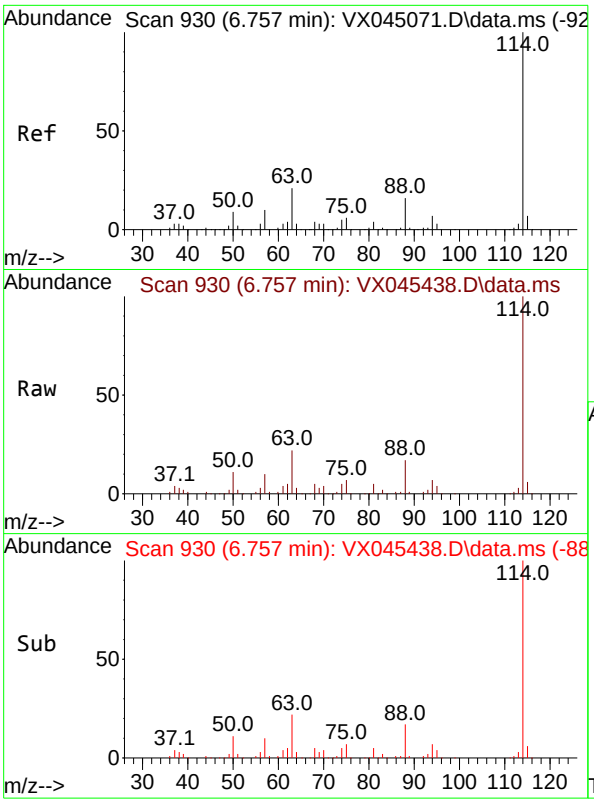


#33
1,2-Dichloroethane-d4
Concen: 53.926 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX045438.D
Acq: 25 Mar 2025 14:26

Tgt Ion: 65 Resp: 62108

Ion	Ratio	Lower	Upper
65	100		
67	51.4	0.0	106.2



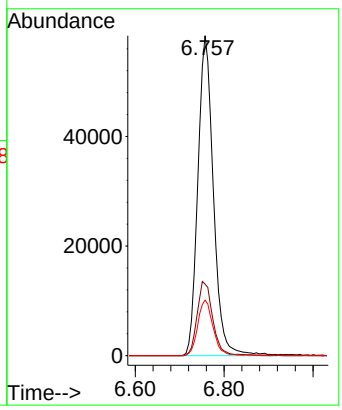


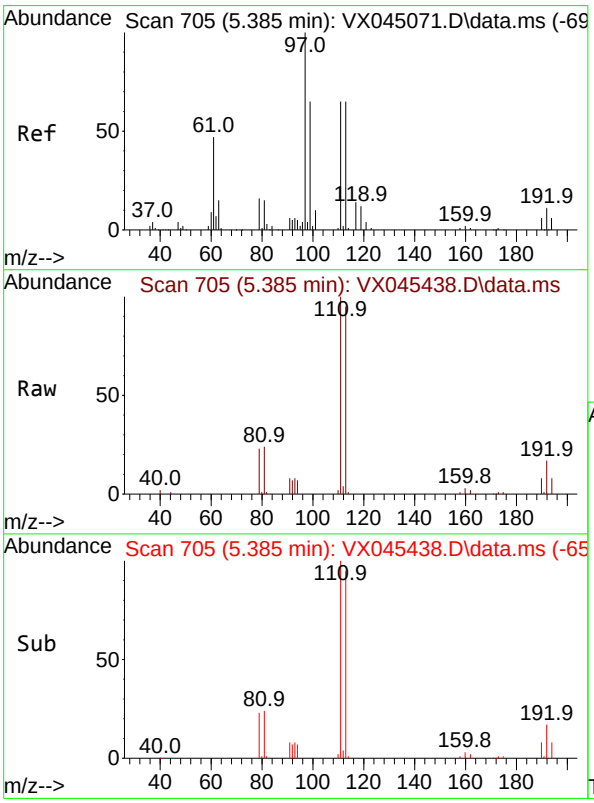
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 9
Delta R.T. 0.000 min
Lab File: VX045438.D
Acq: 25 Mar 2025 14:26

Instrument :
MSVOA_X
ClientSampleId :
RE132D7-20250318DL

Tgt Ion:114 Resp: 142524

Ion	Ratio	Lower	Upper
114	100		
63	22.3	0.0	41.8
88	17.4	0.0	32.8

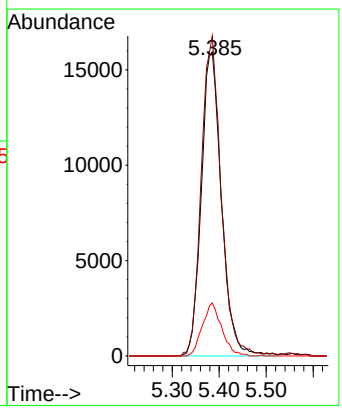


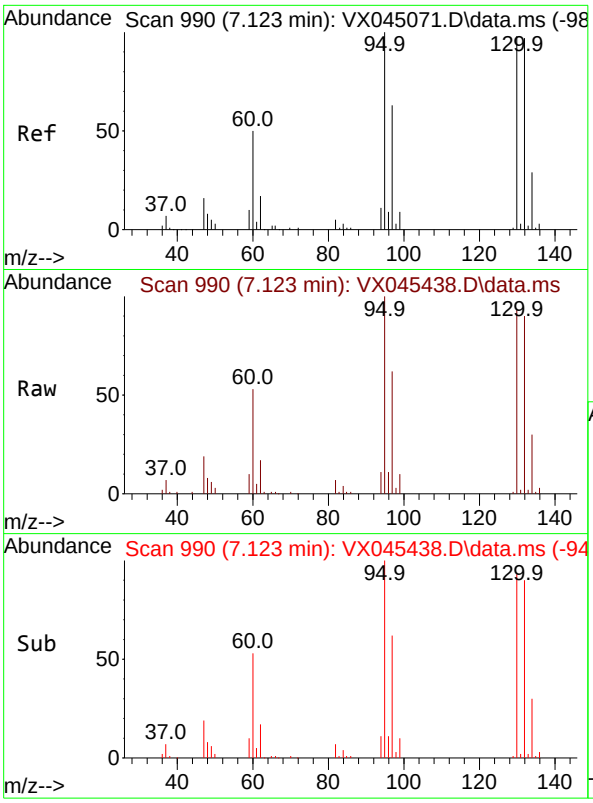


#35
Dibromofluoromethane
Concen: 49.836 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX045438.D
Acq: 25 Mar 2025 14:26

Tgt Ion:113 Resp: 47495

Ion	Ratio	Lower	Upper
113	100		
111	103.5	81.8	122.6
192	16.8	14.3	21.5



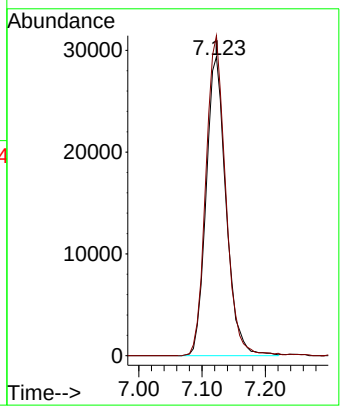


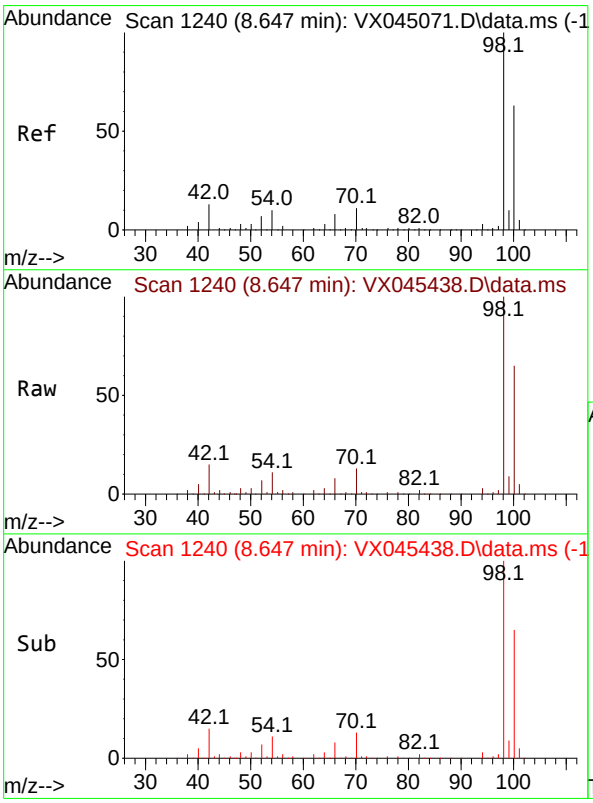
#44
Trichloroethene
Concen: 66.419 ug/l
RT: 7.123 min Scan# 9
Delta R.T. 0.000 min
Lab File: VX045438.D
Acq: 25 Mar 2025 14:26

Instrument :
MSVOA_X
ClientSampleId :
RE132D7-20250318DL

Tgt Ion:130 Resp: 64366

Ion	Ratio	Lower	Upper
130	100		
95	107.1	0.0	205.0

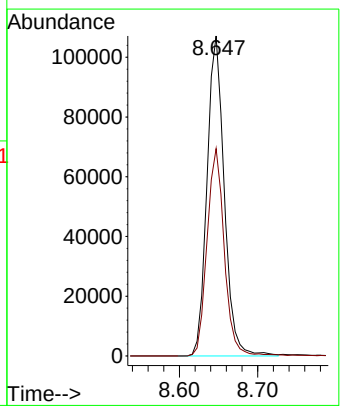


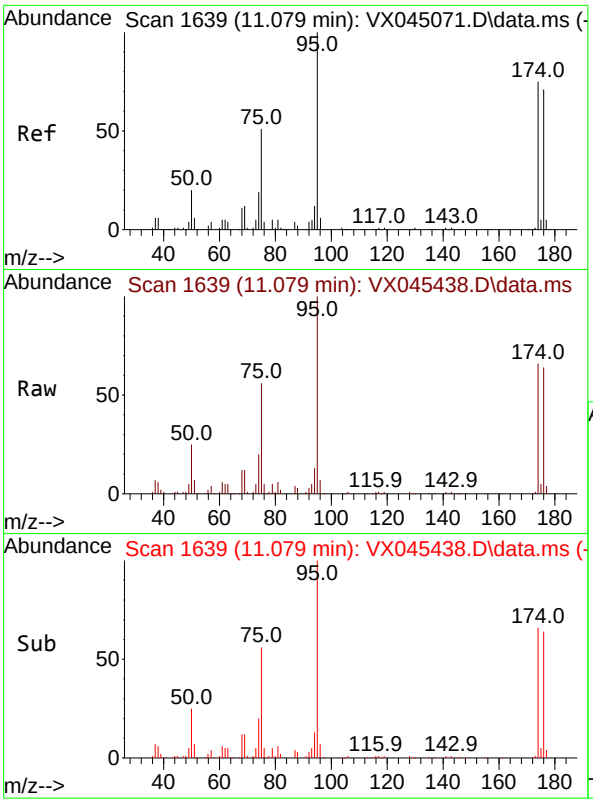


#50
Toluene-d8
Concen: 47.348 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX045438.D
Acq: 25 Mar 2025 14:26

Tgt Ion: 98 Resp: 163588

Ion	Ratio	Lower	Upper
98	100		
100	64.7	52.0	78.0



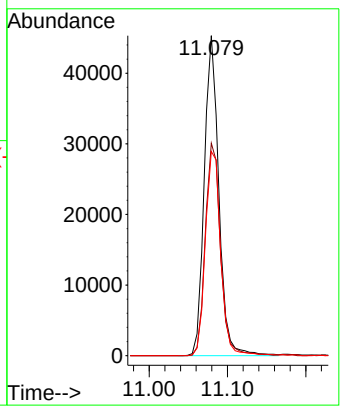


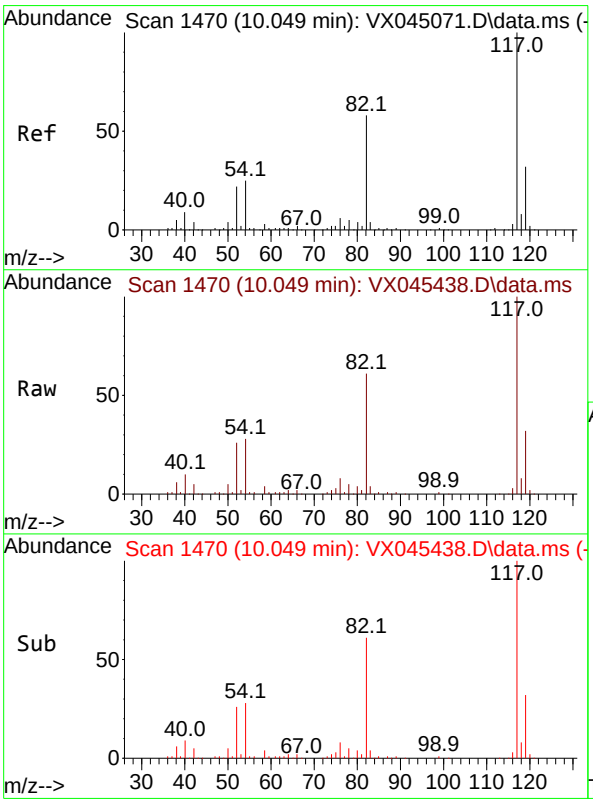
#62
4-Bromofluorobenzene
Concen: 51.056 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045438.D
Acq: 25 Mar 2025 14:26

Instrument :
MSVOA_X
ClientSampleId :
RE132D7-20250318DL

Tgt Ion: 95 Resp: 58454

Ion	Ratio	Lower	Upper
95	100		
174	69.2	0.0	148.2
176	67.5	0.0	141.4

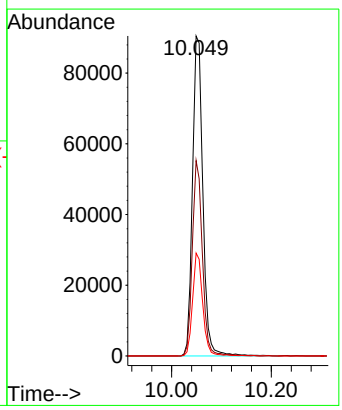


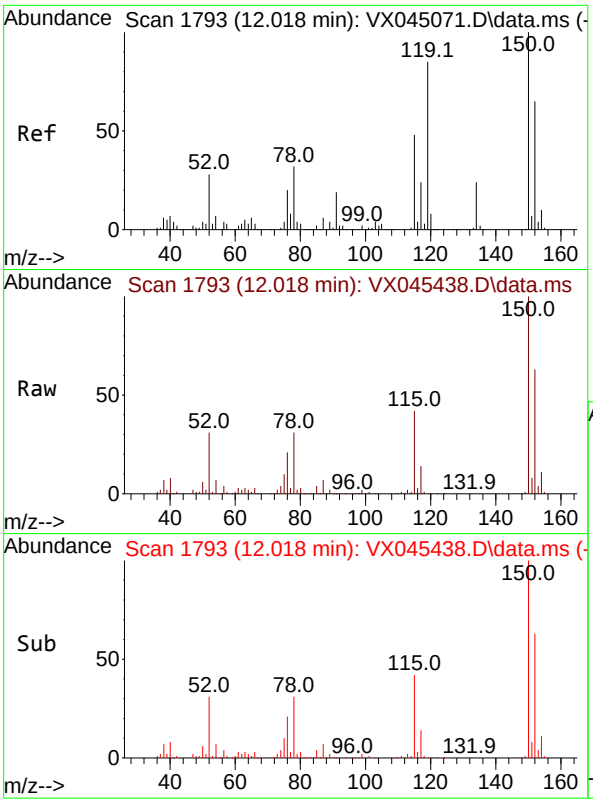


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX045438.D
Acq: 25 Mar 2025 14:26

Tgt Ion:117 Resp: 130699

Ion	Ratio	Lower	Upper
117	100		
82	61.1	46.3	69.5
119	32.2	25.7	38.5



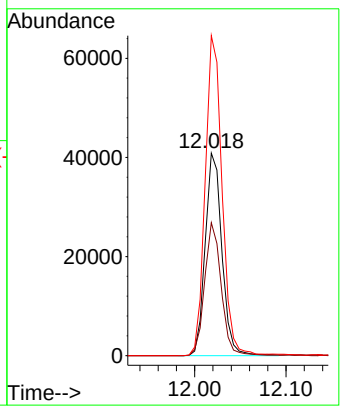


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045438.D
Acq: 25 Mar 2025 14:26

Instrument :
MSVOA_X
ClientSampleId :
RE132D7-20250318DL

Tgt Ion:152 Resp: 51895

Ion	Ratio	Lower	Upper
152	100		
115	65.0	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:	03/19/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/19/25
Client Sample ID:	RE117D2-20250319	SDG No.:	Q1608
Lab Sample ID:	Q1608-20	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
VX045420.D	1		03/24/25 17:14	VX032425

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	6.20		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:	03/19/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/19/25
Client Sample ID:	RE117D2-20250319	SDG No.:	Q1608
Lab Sample ID:	Q1608-20	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
VX045420.D	1		03/24/25 17:14	VX032425

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	56.0		81 - 118		112%	SPK: 50
1868-53-7	Dibromofluoromethane	52.2		80 - 119		104%	SPK: 50
2037-26-5	Toluene-d8	50.4		89 - 112		101%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.2		85 - 114		106%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	69700	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	50100	12.018				

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	03/19/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/19/25
Client Sample ID:	RE117D2-20250319	SDG No.:	Q1608
Lab Sample ID:	Q1608-20	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
VX045420.D	1		03/24/25 17:14	VX032425

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\VX032425\
Data File : VX045420.D
Acq On : 24 Mar 2025 17:14
Operator : JC/MD
Sample : Q1608-20
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RE117D2-20250319

Quant Time: Mar 25 01:37:39 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

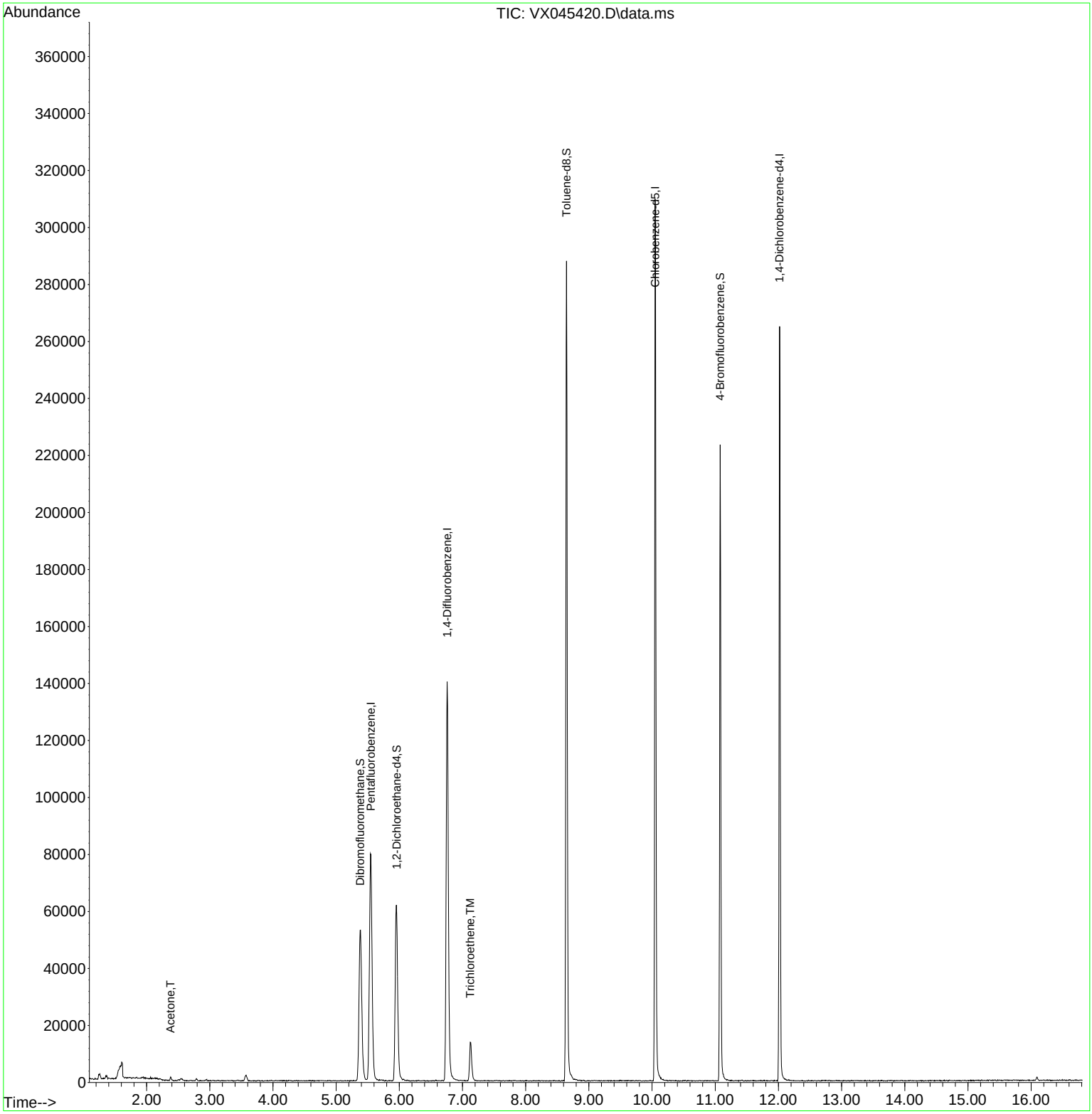
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	69702	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	134926	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	126257	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	50122	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	62103	56.014	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 112.020%			
35) Dibromofluoromethane	5.379	113	47129	52.237	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.480%			
50) Toluene-d8	8.647	98	164753	50.370	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.740%			
62) 4-Bromofluorobenzene	11.079	95	57684	53.221	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 106.440%			
Target Compounds						Qvalue
16) Acetone	2.380	43	1210	2.352	ug/l	99
44) Trichloroethene	7.123	130	5669	6.179	ug/l	96

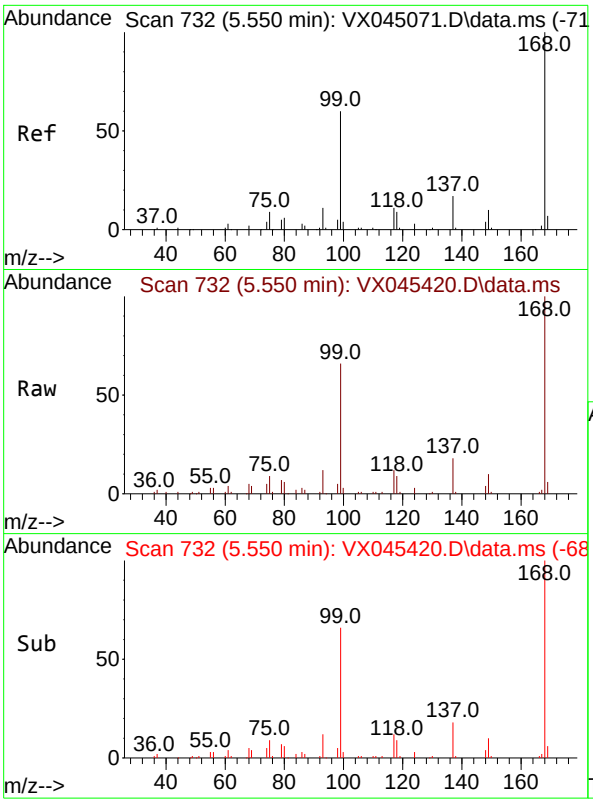
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032425\
Data File : VX045420.D
Acq On : 24 Mar 2025 17:14
Operator : JC/MD
Sample : Q1608-20
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RE117D2-20250319

Quant Time: Mar 25 01:37:39 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



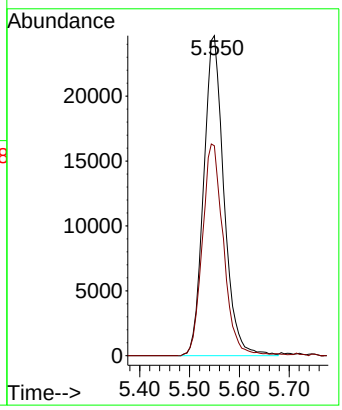


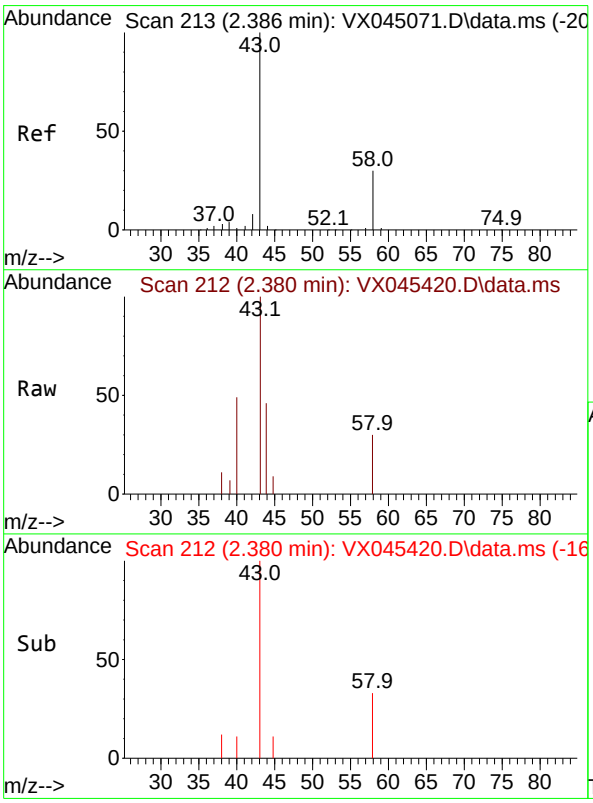
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045420.D
Acq: 24 Mar 2025 17:14

Instrument :
MSVOA_X
ClientSampleId :
RE117D2-20250319

Tgt Ion:168 Resp: 69702

Ion	Ratio	Lower	Upper
168	100		
99	65.6	48.2	72.4

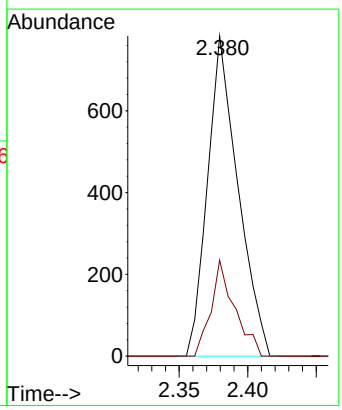


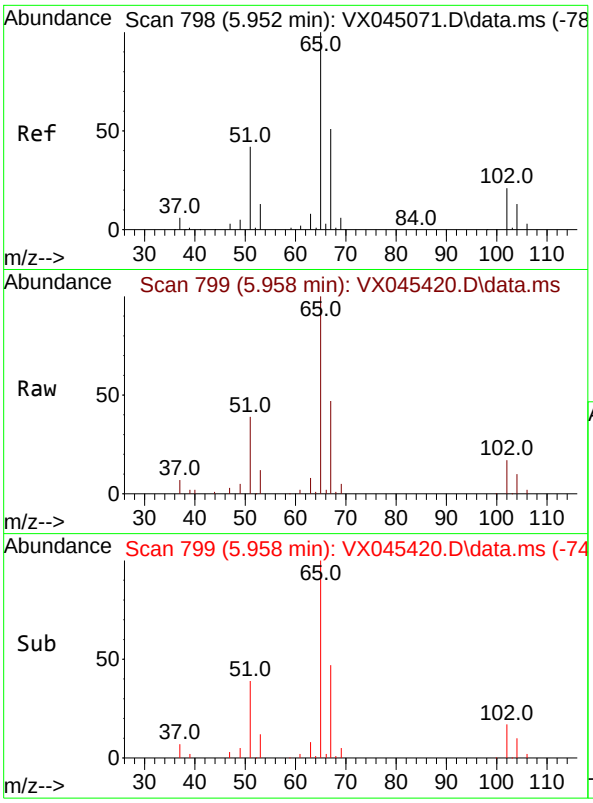


#16
Acetone
Concen: 2.352 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX045420.D
Acq: 24 Mar 2025 17:14

Tgt Ion: 43 Resp: 1210

Ion	Ratio	Lower	Upper
43	100		
58	30.0	24.2	36.4



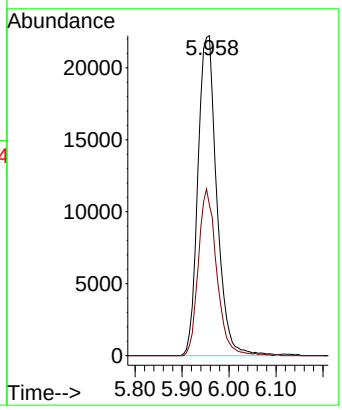


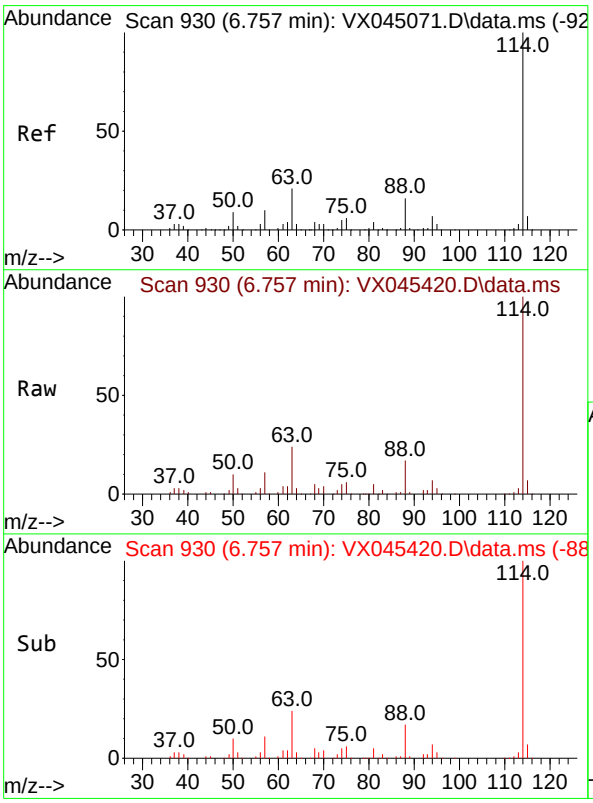
#33
1,2-Dichloroethane-d4
Concen: 56.014 ug/l
RT: 5.958 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX045420.D
Acq: 24 Mar 2025 17:14

Instrument :
MSVOA_X
ClientSampleId :
RE117D2-20250319

Tgt Ion: 65 Resp: 62103

Ion	Ratio	Lower	Upper
65	100		
67	50.6	0.0	106.2

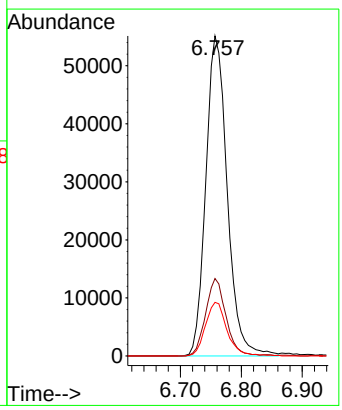


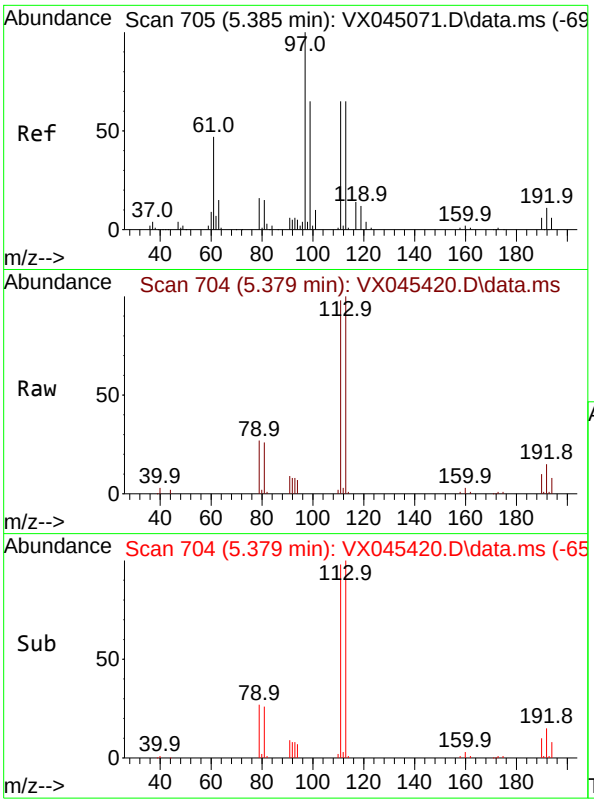


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX045420.D
Acq: 24 Mar 2025 17:14

Tgt Ion:114 Resp: 134926

Ion	Ratio	Lower	Upper
114	100		
63	24.2	0.0	41.8
88	16.7	0.0	32.8



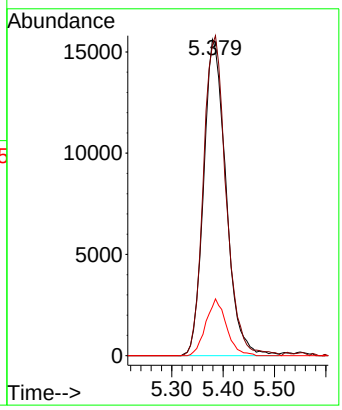


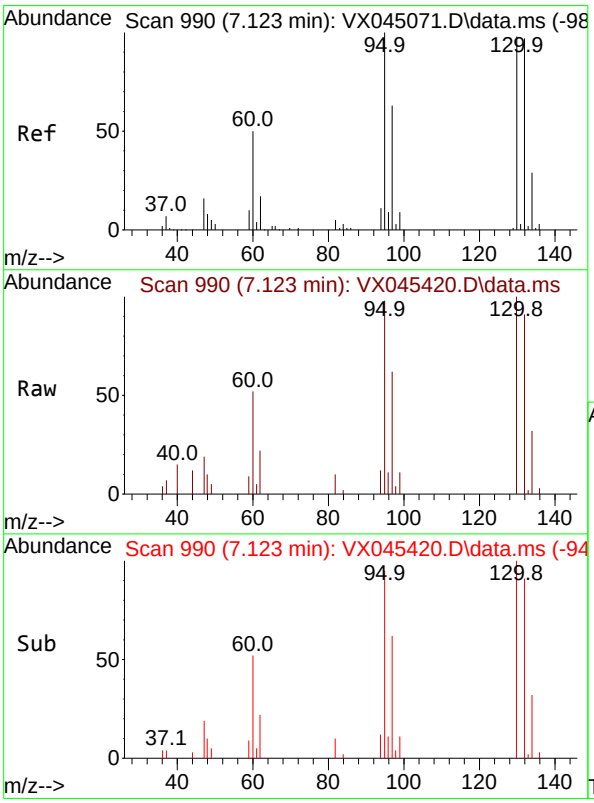
#35
Dibromofluoromethane
Concen: 52.237 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045420.D
Acq: 24 Mar 2025 17:14

Instrument :
MSVOA_X
ClientSampleId :
RE117D2-20250319

Tgt Ion:113 Resp: 47129

Ion	Ratio	Lower	Upper
113	100		
111	102.3	81.8	122.6
192	16.6	14.3	21.5

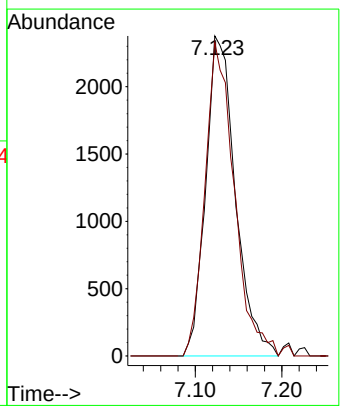


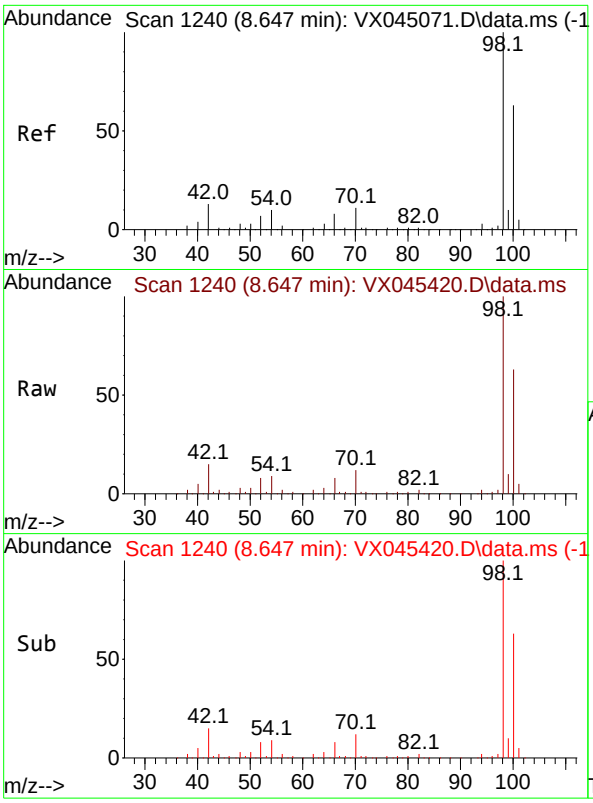


#44
Trichloroethene
Concen: 6.179 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX045420.D
Acq: 24 Mar 2025 17:14

Tgt Ion:130 Resp: 5669

Ion	Ratio	Lower	Upper
130	100		
95	97.9	0.0	205.0



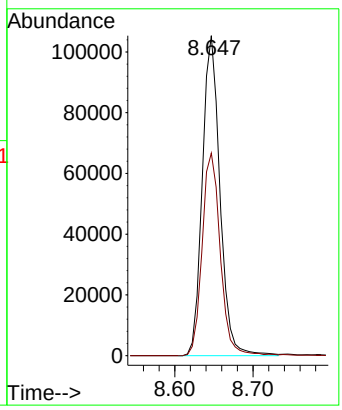


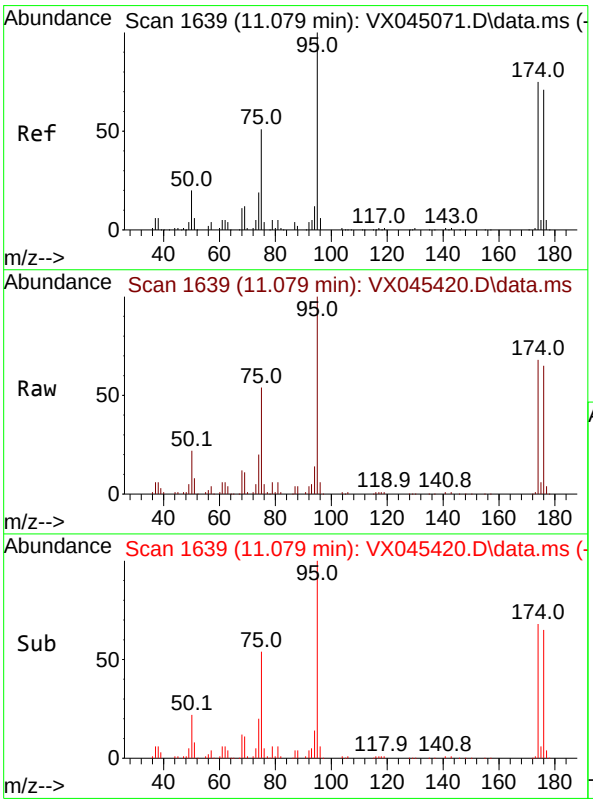
#50
Toluene-d8
Concen: 50.370 ug/l
RT: 8.647 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045420.D
Acq: 24 Mar 2025 17:14

Instrument :
MSVOA_X
ClientSampleId :
RE117D2-20250319

Tgt Ion: 98 Resp: 164753

Ion	Ratio	Lower	Upper
98	100		
100	65.3	52.0	78.0

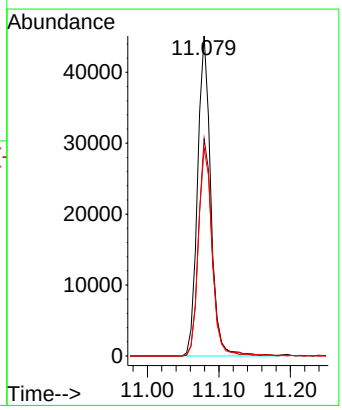


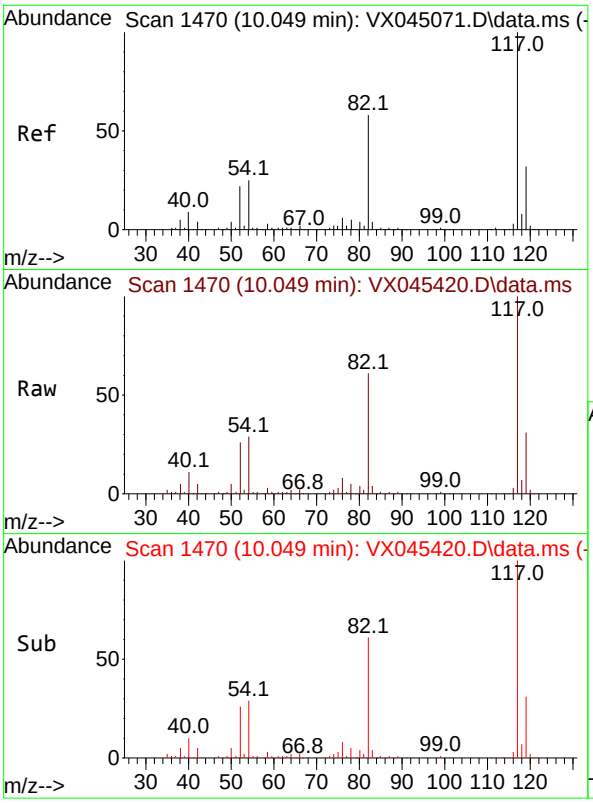


#62
4-Bromofluorobenzene
Concen: 53.221 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045420.D
Acq: 24 Mar 2025 17:14

Tgt Ion: 95 Resp: 57684

Ion	Ratio	Lower	Upper
95	100		
174	69.0	0.0	148.2
176	67.9	0.0	141.4



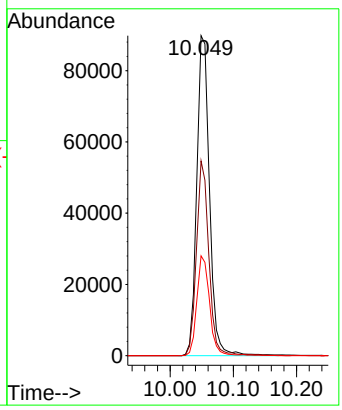


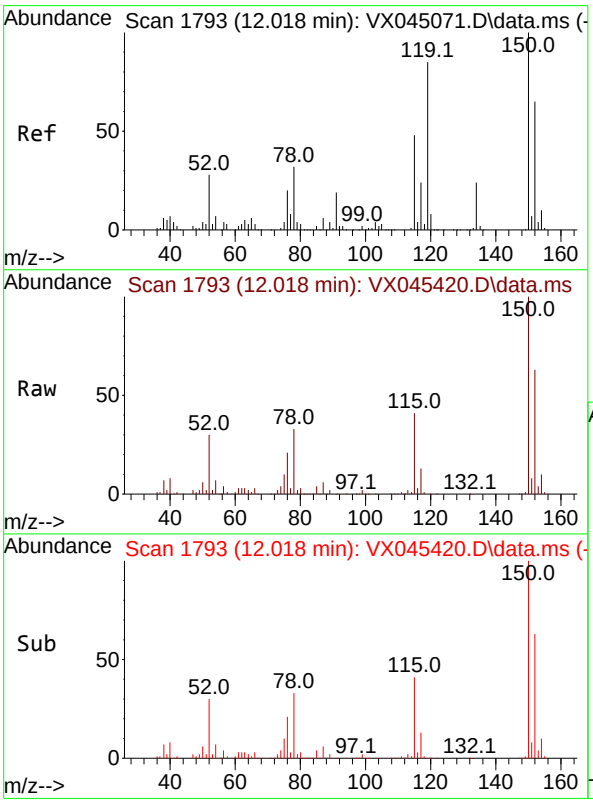
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045420.D
Acq: 24 Mar 2025 17:14

Instrument :
MSVOA_X
ClientSampleId :
RE117D2-20250319

Tgt Ion:117 Resp: 126257

Ion	Ratio	Lower	Upper
117	100		
82	60.9	46.3	69.5
119	31.2	25.7	38.5

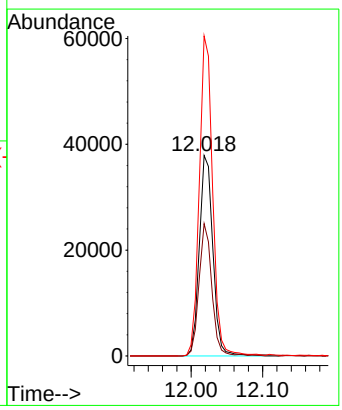




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045420.D
Acq: 24 Mar 2025 17:14

Tgt Ion:152 Resp: 50122

Ion	Ratio	Lower	Upper
152	100		
115	62.5	44.2	132.6
150	155.8	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:	03/19/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/19/25
Client Sample ID:	TT101D2-20250319	SDG No.:	Q1608
Lab Sample ID:	Q1608-21	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
VX045421.D	1		03/24/25 17:37	VX032425

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	37.5		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	10.8		0.23	0.75	1.00	ug/L
67-64-1	Acetone	1.80	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	2.00		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	1.40		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	3.80		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	1.30		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	1500	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:	03/19/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/19/25
Client Sample ID:	TT101D2-20250319	SDG No.:	Q1608
Lab Sample ID:	Q1608-21	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
VX045421.D	1		03/24/25 17:37	VX032425

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	1.00		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	4.90		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	55.1		81 - 118		110%	SPK: 50
1868-53-7	Dibromofluoromethane	50.3		80 - 119		101%	SPK: 50
2037-26-5	Toluene-d8	47.8		89 - 112		96%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.8		85 - 114		104%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	65600	5.55				
540-36-3	1,4-Difluorobenzene	130000	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:	03/19/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/19/25
Client Sample ID:	TT101D2-20250319	SDG No.:	Q1608
Lab Sample ID:	Q1608-21	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
VX045421.D	1		03/24/25 17:37	VX032425

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\VX032425\
Data File : VX045421.D
Acq On : 24 Mar 2025 17:37
Operator : JC/MD
Sample : Q1608-21
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TT101D2-20250319

Quant Time: Mar 25 01:38:03 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

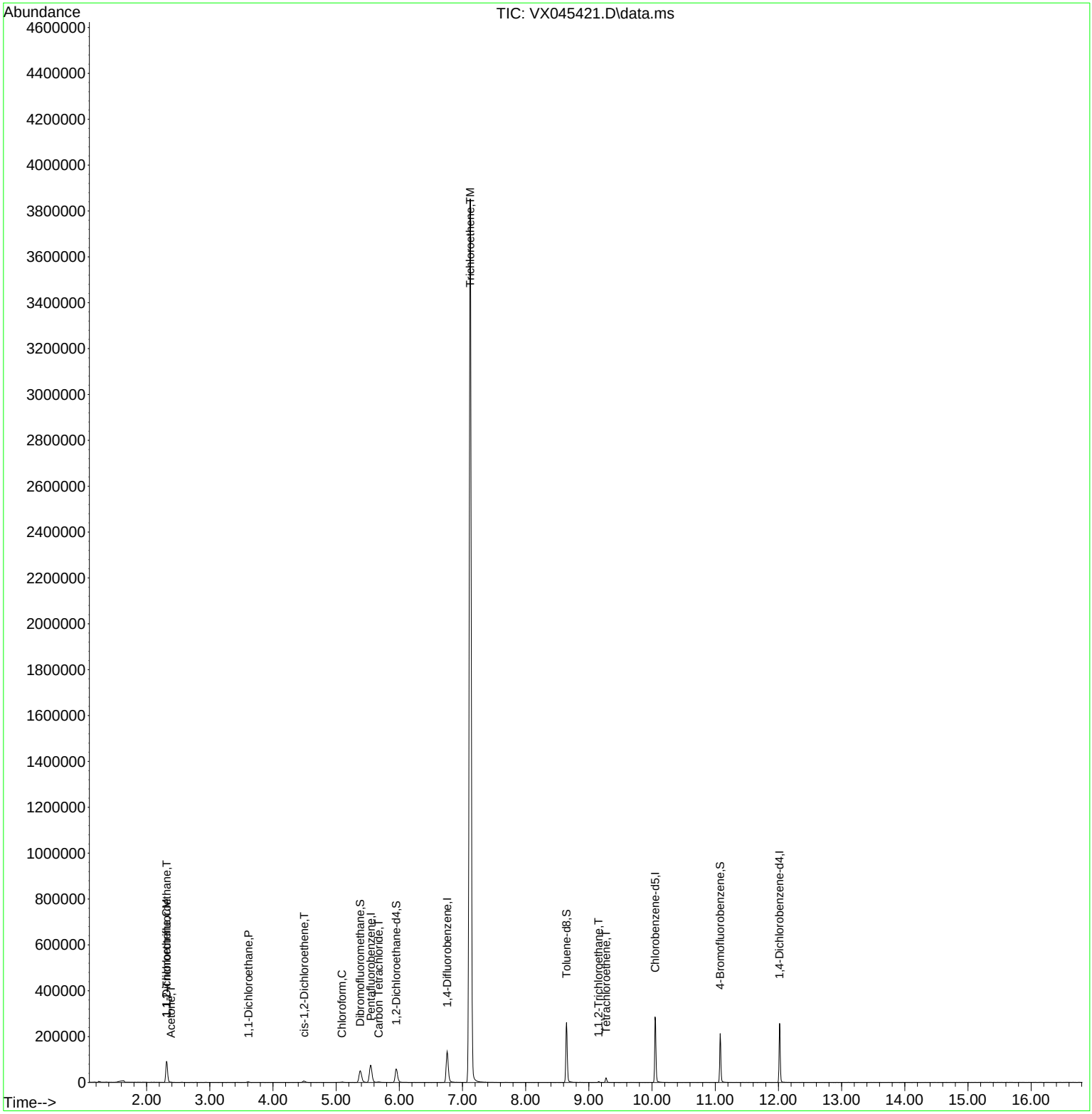
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	65556	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	129819	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	119568	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	47597	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	57430	55.075	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 110.140%			
35) Dibromofluoromethane	5.379	113	43681	50.320	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.640%			
50) Toluene-d8	8.647	98	150519	47.829	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 95.660%			
62) 4-Bromofluorobenzene	11.079	95	54070	51.849	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 103.700%			
Target Compounds						Qvalue
9) 1,1,2-Trichlorotrifluo...	2.318	101	28556	37.479	ug/l	98
12) 1,1-Dichloroethene	2.312	96	8700	10.800	ug/l	99
16) Acetone	2.386	43	886	1.831	ug/l #	76
24) 1,1-Dichloroethane	3.611	63	3212	1.965	ug/l	96
27) cis-1,2-Dichloroethene	4.495	96	3691	3.757	ug/l	95
30) Chloroform	5.092	83	2188	1.347	ug/l #	64
38) Carbon Tetrachloride	5.672	117	1721	1.424	ug/l #	67
44) Trichloroethene	7.122	130	1367327	1549.033	ug/l	97
55) 1,1,2-Trichloroethane	9.153	97	929	1.023	ug/l #	92
64) Tetrachloroethene	9.274	164	3749	4.896	ug/l #	85

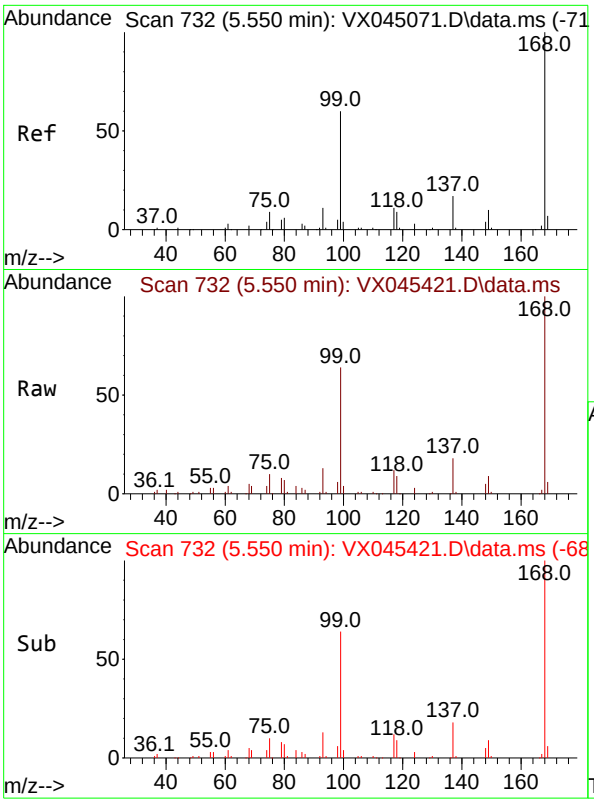
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032425\
Data File : VX045421.D
Acq On : 24 Mar 2025 17:37
Operator : JC/MD
Sample : Q1608-21
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TT101D2-20250319

Quant Time: Mar 25 01:38:03 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



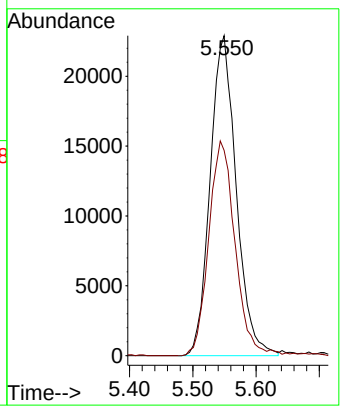


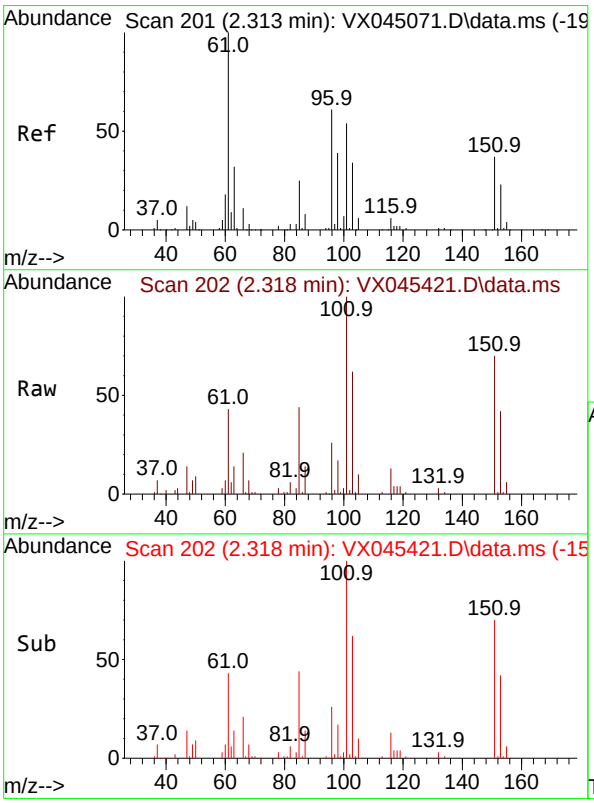
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045421.D
Acq: 24 Mar 2025 17:37

Instrument :
MSVOA_X
ClientSampleId :
TT101D2-20250319

Tgt Ion:168 Resp: 65556

Ion	Ratio	Lower	Upper
168	100		
99	64.1	48.2	72.4

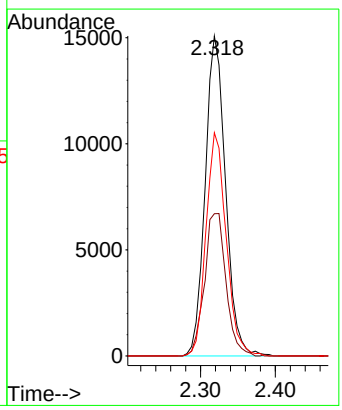


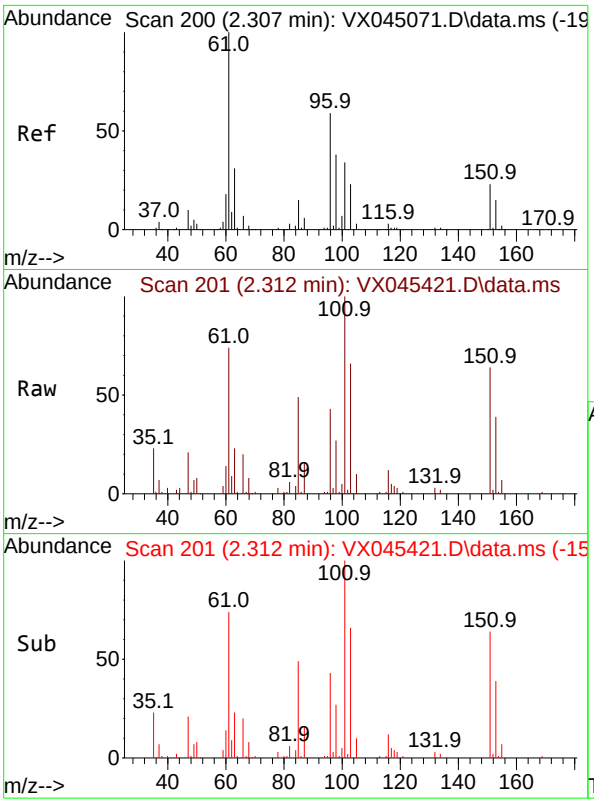


#9
1,1,2-Trichlorotrifluoroethane
Concen: 37.479 ug/l
RT: 2.318 min Scan# 202
Delta R.T. 0.006 min
Lab File: VX045421.D
Acq: 24 Mar 2025 17:37

Tgt Ion:101 Resp: 28556

Ion	Ratio	Lower	Upper
101	100		
85	47.0	36.2	54.4
151	69.2	56.4	84.6



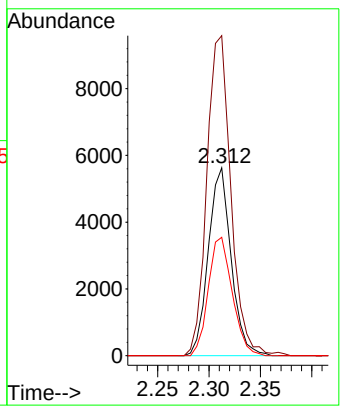


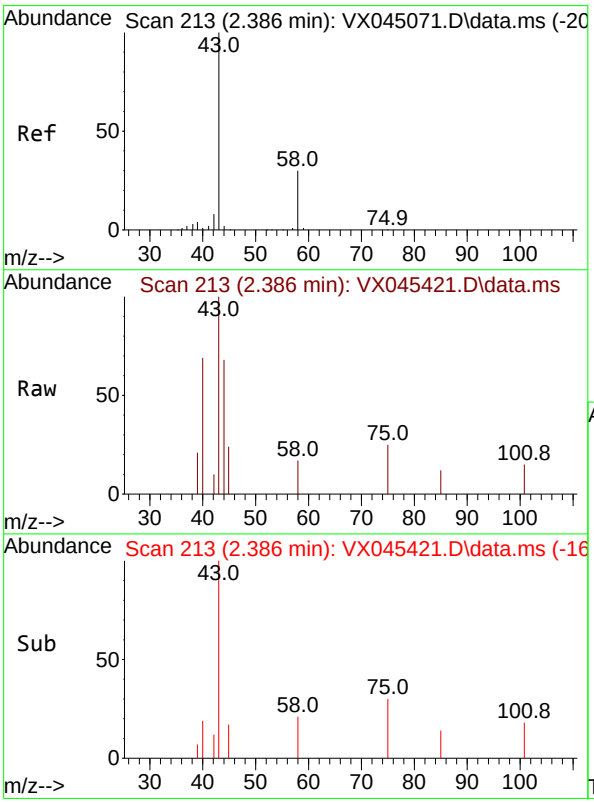
#12
1,1-Dichloroethene
Concen: 10.800 ug/l
RT: 2.312 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX045421.D
Acq: 24 Mar 2025 17:37

Instrument :
MSVOA_X
ClientSampleId :
TT101D2-20250319

Tgt Ion: 96 Resp: 8700

Ion	Ratio	Lower	Upper
96	100		
61	170.4	134.6	202.0
98	63.0	51.0	76.6

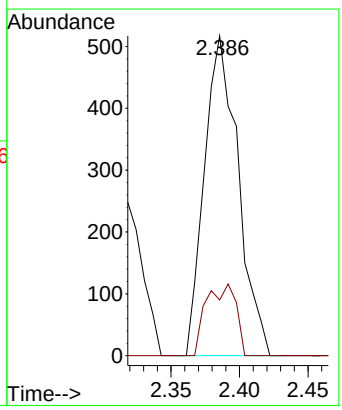


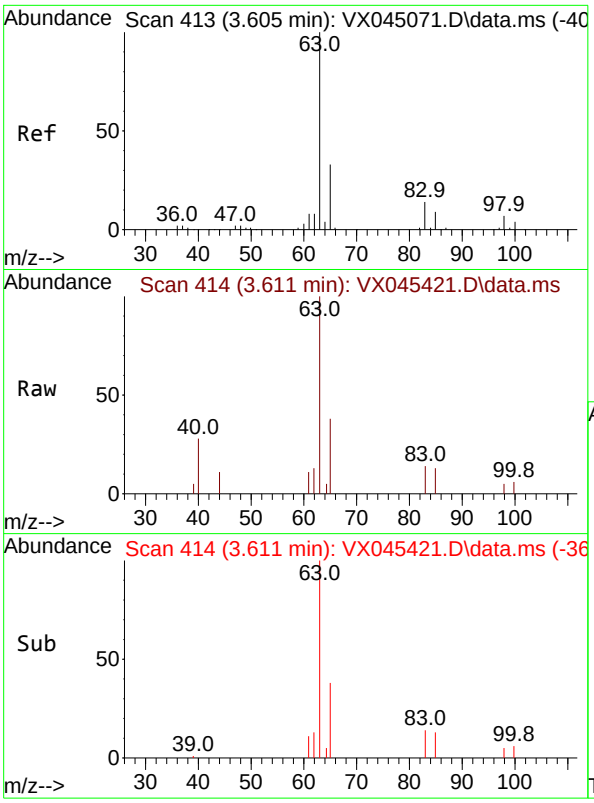


#16
Acetone
Concen: 1.831 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX045421.D
Acq: 24 Mar 2025 17:37

Tgt Ion: 43 Resp: 886

Ion	Ratio	Lower	Upper
43	100		
58	17.4	24.2	36.4#



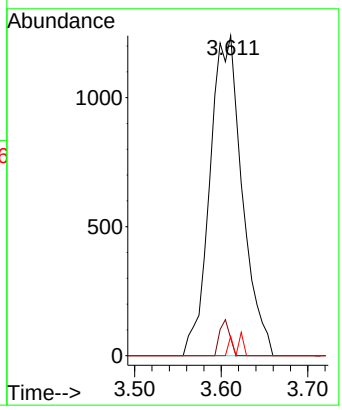


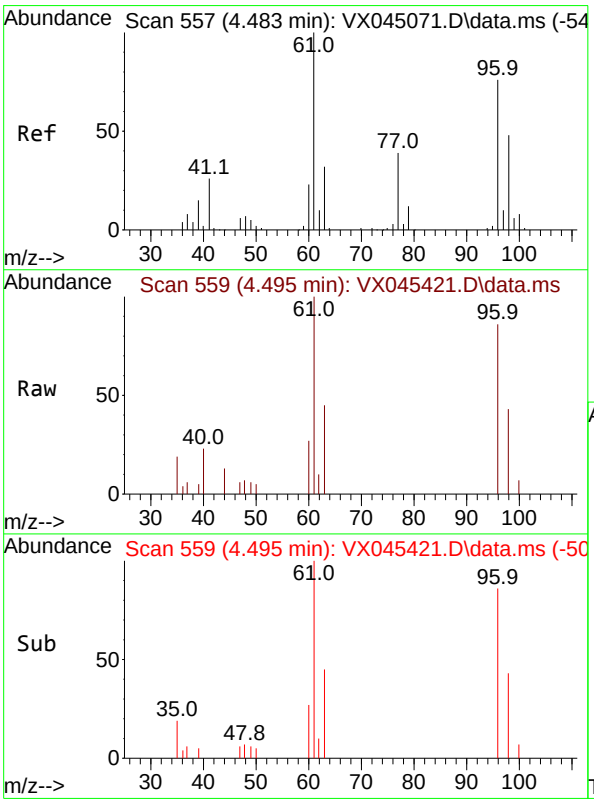
#24
1,1-Dichloroethane
Concen: 1.965 ug/l
RT: 3.611 min Scan# 41
Delta R.T. 0.006 min
Lab File: VX045421.D
Acq: 24 Mar 2025 17:37

Instrument :
MSVOA_X
ClientSampleId :
TT101D2-20250319

Tgt Ion: 63 Resp: 3212

Ion	Ratio	Lower	Upper
63	100		
98	5.5	3.4	10.2
100	6.0	2.1	6.5

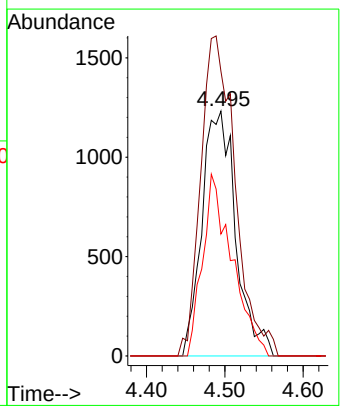


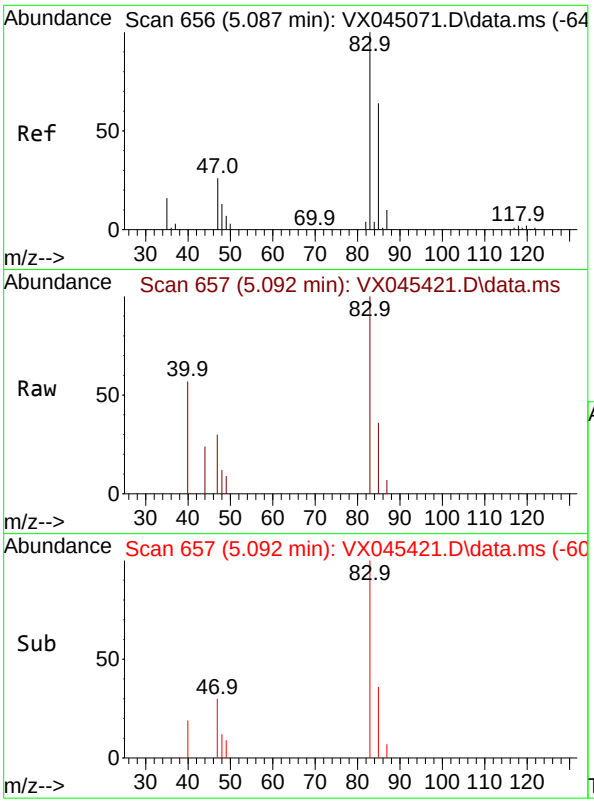


#27
cis-1,2-Dichloroethene
Concen: 3.757 ug/l
RT: 4.495 min Scan# 559
Delta R.T. 0.012 min
Lab File: VX045421.D
Acq: 24 Mar 2025 17:37

Tgt Ion: 96 Resp: 3691

Ion	Ratio	Lower	Upper
96	100		
61	133.5	0.0	283.2
98	64.9	0.0	128.0



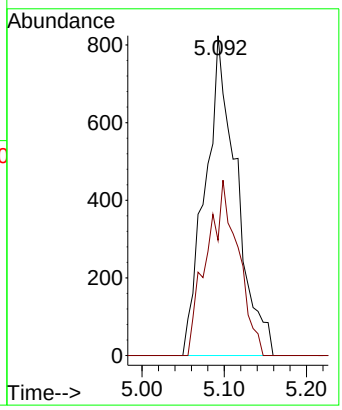


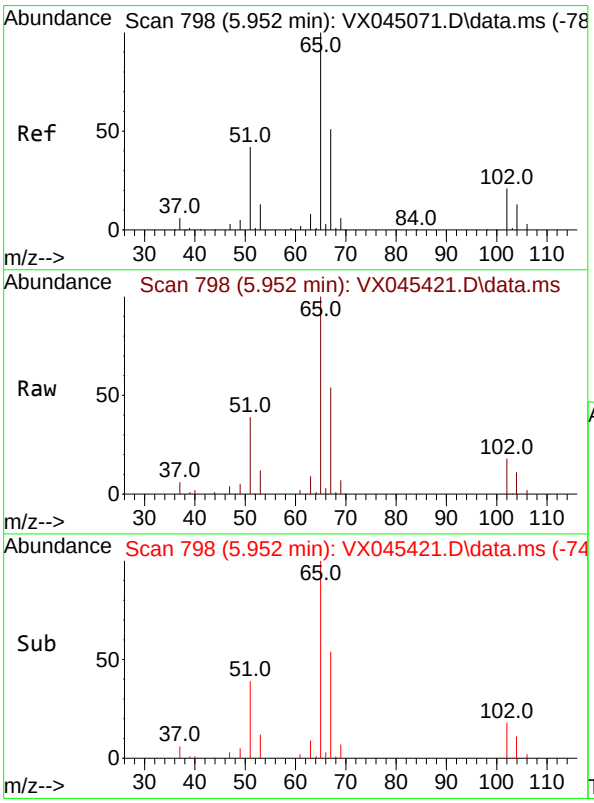
#30
Chloroform
Concen: 1.347 ug/l
RT: 5.092 min Scan# 6
Delta R.T. 0.006 min
Lab File: VX045421.D
Acq: 24 Mar 2025 17:37

Instrument :
MSVOA_X
ClientSampleId :
TT101D2-20250319

Tgt Ion: 83 Resp: 2188

Ion	Ratio	Lower	Upper
83	100		
85	36.0	51.4	77.2#

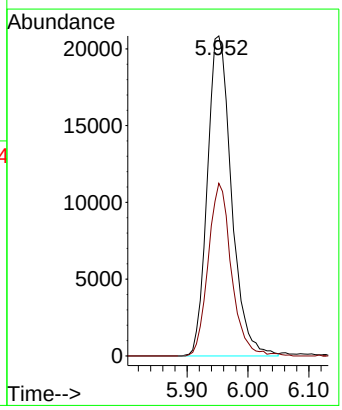


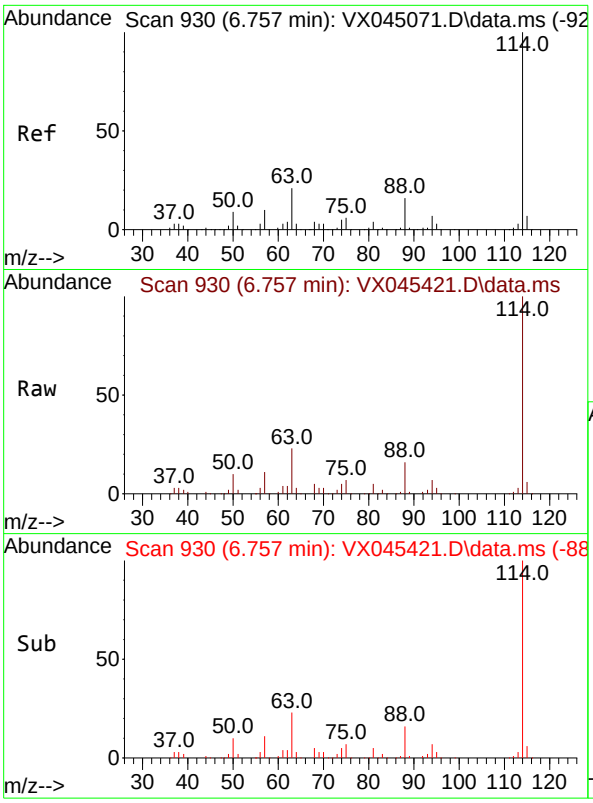


#33
1,2-Dichloroethane-d4
Concen: 55.075 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX045421.D
Acq: 24 Mar 2025 17:37

Tgt Ion: 65 Resp: 57430

Ion	Ratio	Lower	Upper
65	100		
67	52.0	0.0	106.2



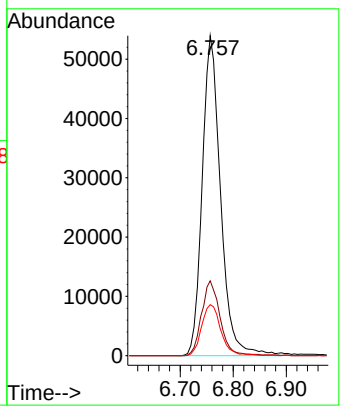


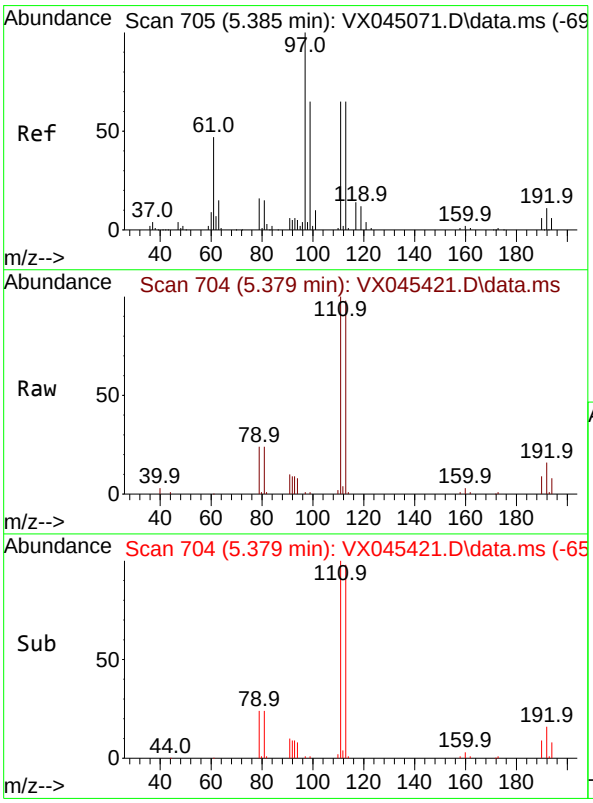
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX045421.D
Acq: 24 Mar 2025 17:37

Instrument :
MSVOA_X
ClientSampleId :
TT101D2-20250319

Tgt Ion:114 Resp: 129819

Ion	Ratio	Lower	Upper
114	100		
63	23.4	0.0	41.8
88	16.0	0.0	32.8

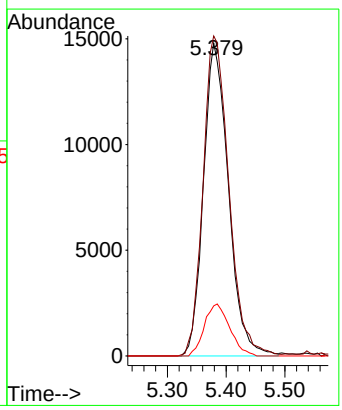


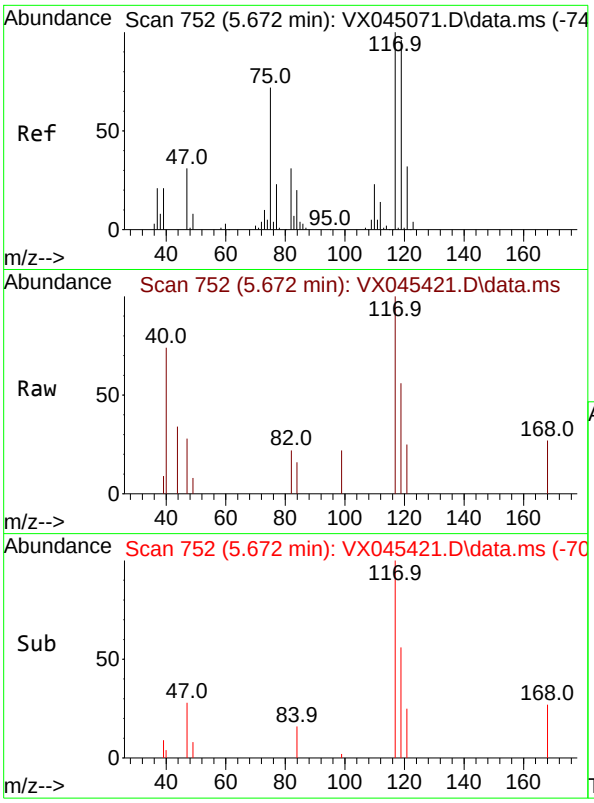


#35
Dibromofluoromethane
Concen: 50.320 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX045421.D
Acq: 24 Mar 2025 17:37

Tgt Ion:113 Resp: 43681

Ion	Ratio	Lower	Upper
113	100		
111	105.9	81.8	122.6
192	16.8	14.3	21.5



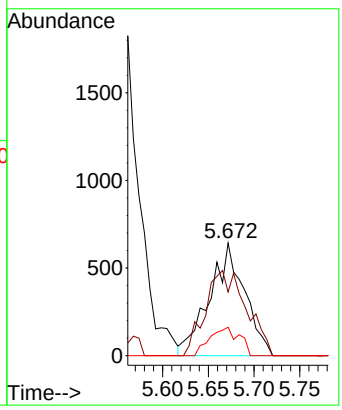


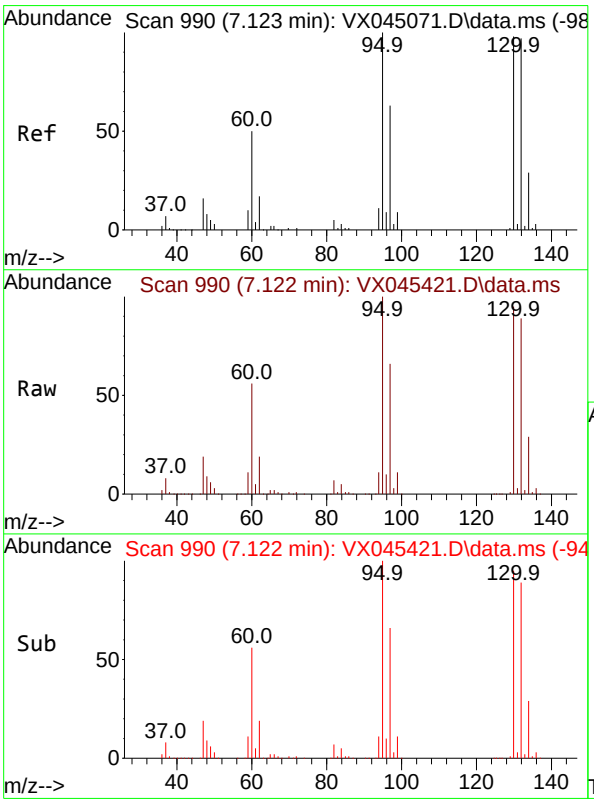
#38
Carbon Tetrachloride
Concen: 1.424 ug/l
RT: 5.672 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045421.D
Acq: 24 Mar 2025 17:37

Instrument :
MSVOA_X
ClientSampleId :
TT101D2-20250319

Tgt Ion:117 Resp: 1721

Ion	Ratio	Lower	Upper
117	100		
119	56.5	76.7	115.1#
121	25.2	25.5	38.3#

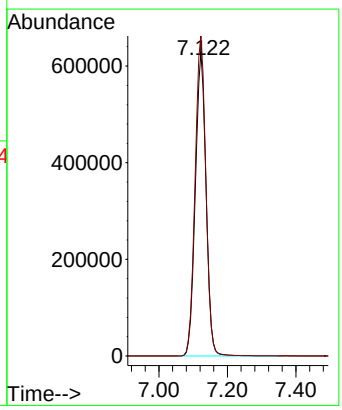


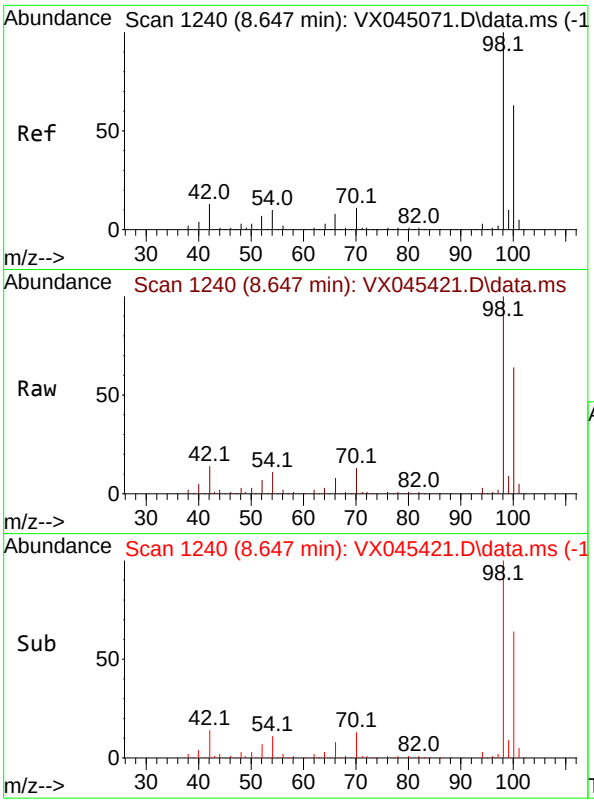


#44
Trichloroethene
Concen: 1549.033 ug/l
RT: 7.122 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX045421.D
Acq: 24 Mar 2025 17:37

Tgt Ion:130 Resp: 1367327

Ion	Ratio	Lower	Upper
130	100		
95	105.2	0.0	205.0



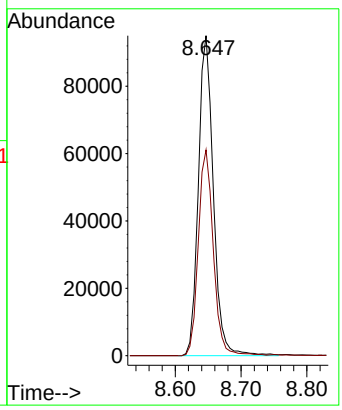


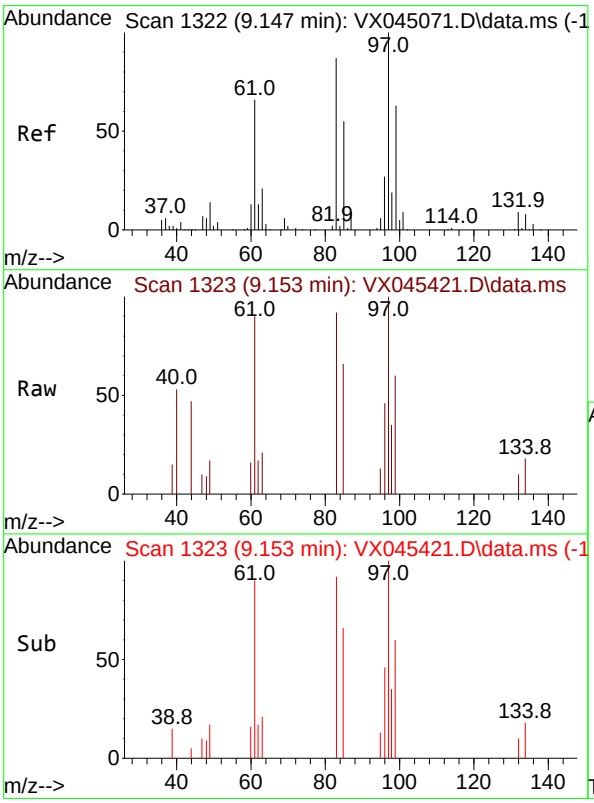
#50
Toluene-d8
Concen: 47.829 ug/l
RT: 8.647 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045421.D
Acq: 24 Mar 2025 17:37

Instrument :
MSVOA_X
ClientSampleId :
TT101D2-20250319

Tgt Ion: 98 Resp: 150519

Ion	Ratio	Lower	Upper
98	100		
100	64.4	52.0	78.0

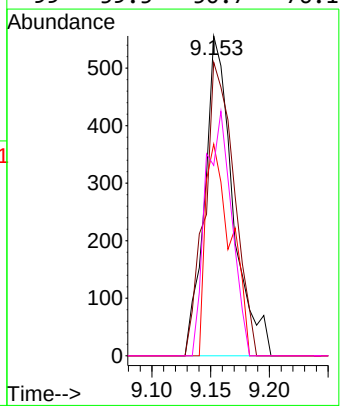


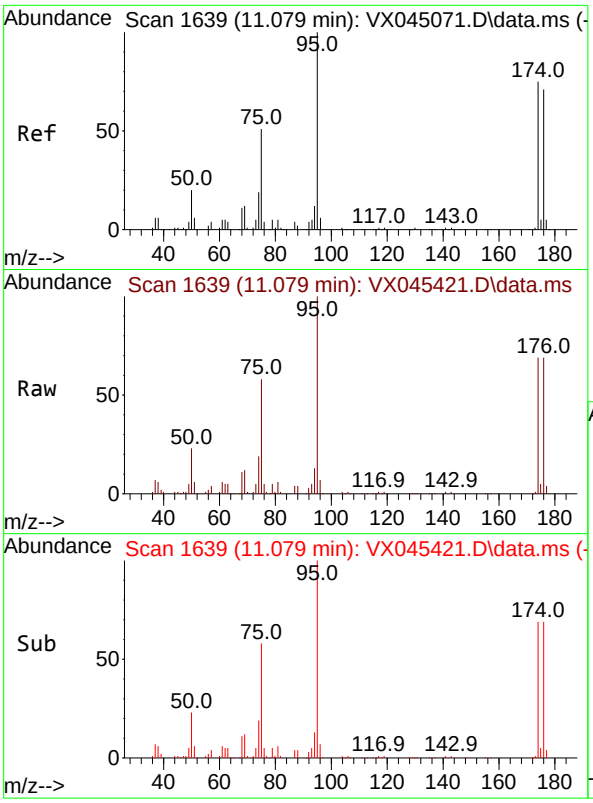


#55
1,1,2-Trichloroethane
Concen: 1.023 ug/l
RT: 9.153 min Scan# 1323
Delta R.T. 0.006 min
Lab File: VX045421.D
Acq: 24 Mar 2025 17:37

Tgt Ion: 97 Resp: 929

Ion	Ratio	Lower	Upper
97	100		
83	91.7	69.4	104.2
85	66.2	44.1	66.1#
99	59.5	50.7	76.1



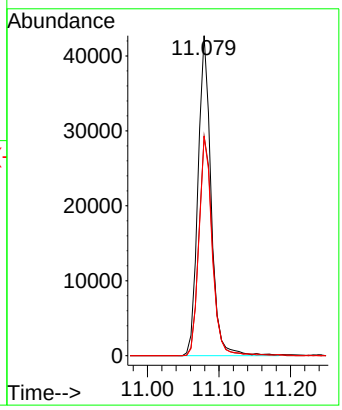


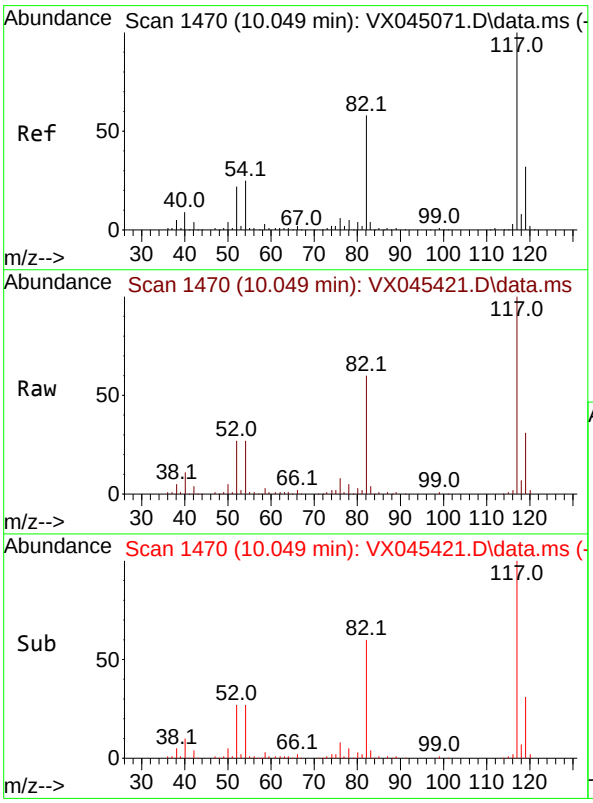
#62
4-Bromofluorobenzene
Concen: 51.849 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045421.D
Acq: 24 Mar 2025 17:37

Instrument :
MSVOA_X
ClientSampleId :
TT101D2-20250319

Tgt Ion: 95 Resp: 54070

Ion	Ratio	Lower	Upper
95	100		
174	70.5	0.0	148.2
176	69.1	0.0	141.4

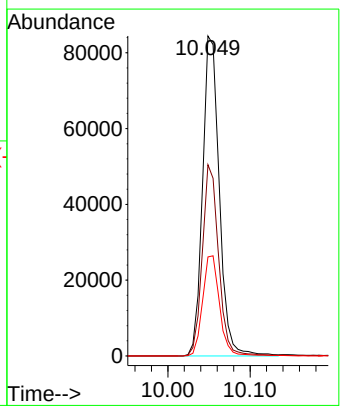


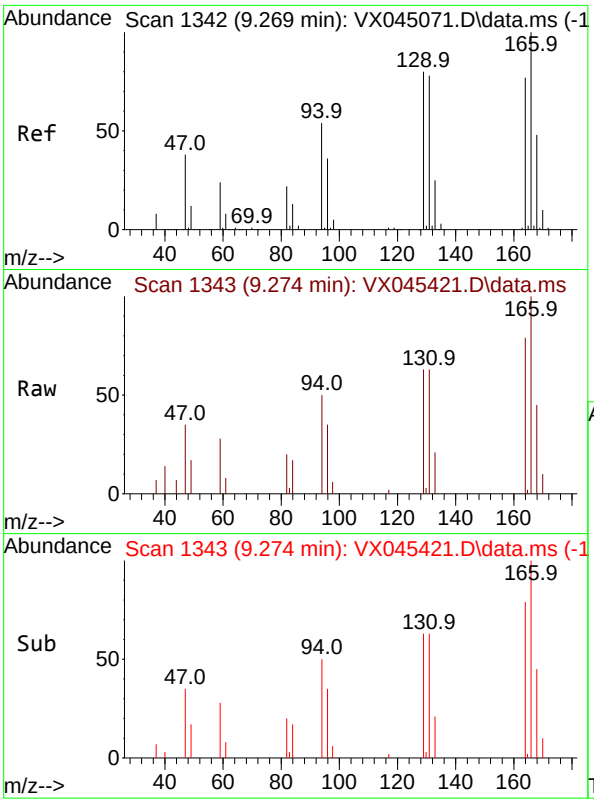


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX045421.D
Acq: 24 Mar 2025 17:37

Tgt Ion:117 Resp: 119568

Ion	Ratio	Lower	Upper
117	100		
82	59.7	46.3	69.5
119	31.0	25.7	38.5



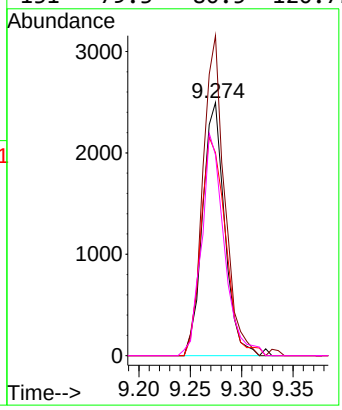


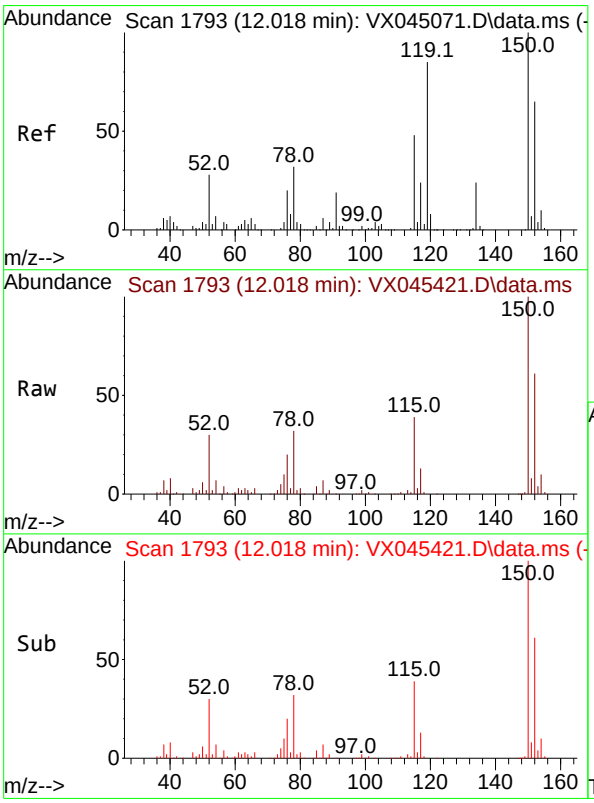
#64
Tetrachloroethene
Concen: 4.896 ug/l
RT: 9.274 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045421.D
Acq: 24 Mar 2025 17:37

Instrument :
MSVOA_X
ClientSampleId :
TT101D2-20250319

Tgt Ion:164 Resp: 3749

Ion	Ratio	Lower	Upper
164	100		
166	126.4	103.6	155.4
129	80.1	82.7	124.1#
131	79.3	80.5	120.7#

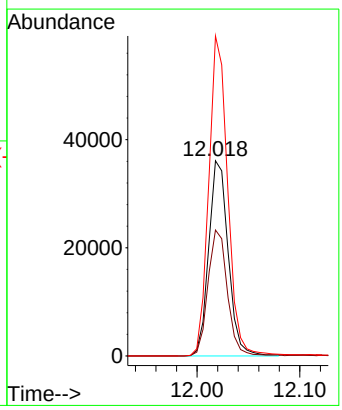




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045421.D
Acq: 24 Mar 2025 17:37

Tgt Ion:152 Resp: 47597

Ion	Ratio	Lower	Upper
152	100		
115	64.4	44.2	132.6
150	160.3	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:	03/19/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/19/25
Client Sample ID:	TT101D2-20250319DL	SDG No.:	Q1608
Lab Sample ID:	Q1608-21DL	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
VX045439.D	40		03/25/25 14:50	VX032525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	20.0	UD	8.80	20.0	40.0	ug/L
74-87-3	Chloromethane	20.0	UD	12.8	20.0	40.0	ug/L
75-01-4	Vinyl Chloride	30.0	UD	10.4	30.0	40.0	ug/L
74-83-9	Bromomethane	150	UD	57.6	150	200	ug/L
75-00-3	Chloroethane	30.0	UD	18.8	30.0	40.0	ug/L
75-69-4	Trichlorofluoromethane	20.0	UD	13.2	20.0	40.0	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	33.8	JD	10.0	20.0	40.0	ug/L
75-35-4	1,1-Dichloroethene	10.4	JD	9.20	30.0	40.0	ug/L
67-64-1	Acetone	150	UD	60.4	150	200	ug/L
75-15-0	Carbon Disulfide	30.0	UD	8.40	30.0	40.0	ug/L
1634-04-4	Methyl tert-butyl Ether	20.0	UD	6.40	20.0	40.0	ug/L
79-20-9	Methyl Acetate	30.0	UDQ	10.8	30.0	40.0	ug/L
75-09-2	Methylene Chloride	20.0	UD	11.2	20.0	40.0	ug/L
156-60-5	trans-1,2-Dichloroethene	20.0	UD	9.20	20.0	40.0	ug/L
75-34-3	1,1-Dichloroethane	20.0	UD	9.20	20.0	40.0	ug/L
110-82-7	Cyclohexane	100	UD	58.0	100	200	ug/L
78-93-3	2-Butanone	100	UD	39.2	100	200	ug/L
56-23-5	Carbon Tetrachloride	20.0	UD	10.0	20.0	40.0	ug/L
156-59-2	cis-1,2-Dichloroethene	30.0	UD	7.60	30.0	40.0	ug/L
74-97-5	Bromochloromethane	20.0	UD	8.80	20.0	40.0	ug/L
67-66-3	Chloroform	20.0	UD	10.0	20.0	40.0	ug/L
71-55-6	1,1,1-Trichloroethane	20.0	UD	8.00	20.0	40.0	ug/L
108-87-2	Methylcyclohexane	20.0	UD	6.40	20.0	40.0	ug/L
71-43-2	Benzene	20.0	UD	6.00	20.0	40.0	ug/L
107-06-2	1,2-Dichloroethane	20.0	UD	8.80	20.0	40.0	ug/L
79-01-6	Trichloroethene	1400	D	3.70	30.0	40.0	ug/L
78-87-5	1,2-Dichloropropane	20.0	UD	8.00	20.0	40.0	ug/L
75-27-4	Bromodichloromethane	20.0	UD	8.80	20.0	40.0	ug/L
108-10-1	4-Methyl-2-Pentanone	100	UD	27.2	100	200	ug/L
108-88-3	Toluene	20.0	UD	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:	03/19/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/19/25
Client Sample ID:	TT101D2-20250319DL	SDG No.:	Q1608
Lab Sample ID:	Q1608-21DL	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
VX045439.D	40		03/25/25 14:50	VX032525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	20.0	UD	6.80	20.0	40.0	ug/L
10061-01-5	cis-1,3-Dichloropropene	20.0	UD	6.40	20.0	40.0	ug/L
79-00-5	1,1,2-Trichloroethane	20.0	UD	8.40	20.0	40.0	ug/L
591-78-6	2-Hexanone	100	UD	35.6	100	200	ug/L
124-48-1	Dibromochloromethane	20.0	UD	7.20	20.0	40.0	ug/L
106-93-4	1,2-Dibromoethane	20.0	UD	6.00	20.0	40.0	ug/L
127-18-4	Tetrachloroethene	20.0	UD	9.20	20.0	40.0	ug/L
108-90-7	Chlorobenzene	20.0	UD	4.80	20.0	40.0	ug/L
100-41-4	Ethyl Benzene	20.0	UD	5.20	20.0	40.0	ug/L
179601-23-1	m/p-Xylenes	40.0	UD	9.60	40.0	80.0	ug/L
95-47-6	o-Xylene	20.0	UD	4.80	20.0	40.0	ug/L
100-42-5	Styrene	20.0	UD	6.00	20.0	40.0	ug/L
75-25-2	Bromoform	20.0	UD	7.60	20.0	40.0	ug/L
98-82-8	Isopropylbenzene	20.0	UD	4.80	20.0	40.0	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	20.0	UD	10.4	20.0	40.0	ug/L
541-73-1	1,3-Dichlorobenzene	20.0	UD	6.40	20.0	40.0	ug/L
106-46-7	1,4-Dichlorobenzene	20.0	UD	7.60	20.0	40.0	ug/L
95-50-1	1,2-Dichlorobenzene	20.0	UD	6.40	20.0	40.0	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	30.0	UD	21.2	30.0	40.0	ug/L
120-82-1	1,2,4-Trichlorobenzene	20.0	UD	8.00	20.0	40.0	ug/L
87-61-6	1,2,3-Trichlorobenzene	30.0	UD	8.00	30.0	40.0	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	55.0		81 - 118		110%	SPK: 50
1868-53-7	Dibromofluoromethane	49.3		80 - 119		99%	SPK: 50
2037-26-5	Toluene-d8	48.4		89 - 112		97%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.7		85 - 114		105%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	70700	5.544				
540-36-3	1,4-Difluorobenzene	139000	6.757				
3114-55-4	Chlorobenzene-d5	131000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	54200	12.018				

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Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	03/19/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/19/25
Client Sample ID:	TT101D2-20250319DL	SDG No.:	Q1608
Lab Sample ID:	Q1608-21DL	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
VX045439.D	40		03/25/25 14:50	VX032525

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\VX032525\
Data File : VX045439.D
Acq On : 25 Mar 2025 14:50
Operator : JC/MD
Sample : Q1608-21DL 40X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TT101D2-20250319DL

Quant Time: Mar 26 01:39:04 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

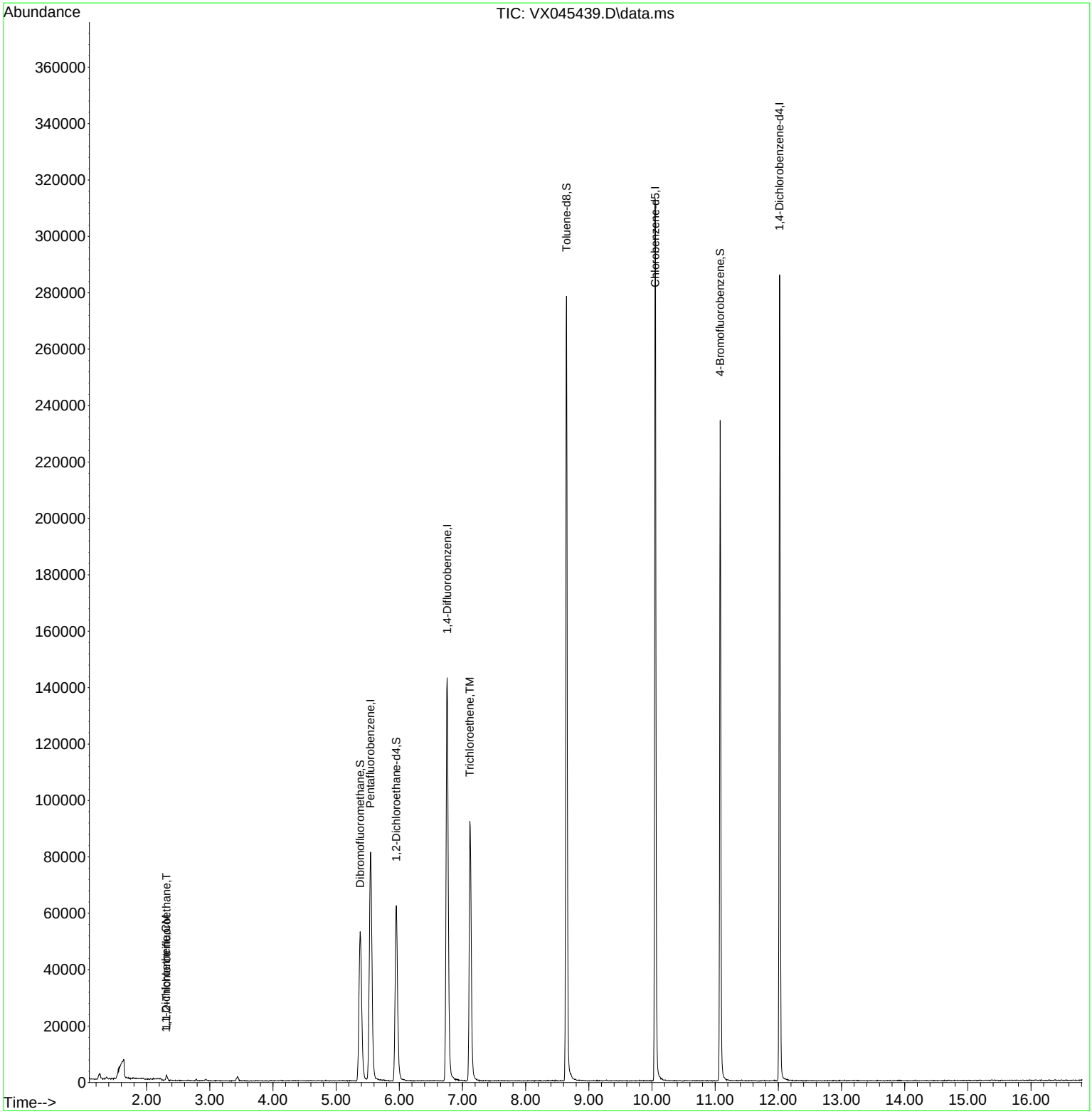
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	70652	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	139172	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	131487	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	54151	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	61817	55.006	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 110.020%			
35) Dibromofluoromethane	5.379	113	45901	49.324	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.640%			
50) Toluene-d8	8.647	98	163272	48.394	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 96.780%			
62) 4-Bromofluorobenzene	11.079	95	58937	52.718	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 105.440%			
Target Compounds						Qvalue
9) 1,1,2-Trichlorotrifluo...	2.313	101	694	0.845	ug/l	97
12) 1,1-Dichloroethene	2.307	96	227	0.261	ug/l #	78
44) Trichloroethene	7.117	130	34101	36.036	ug/l	99

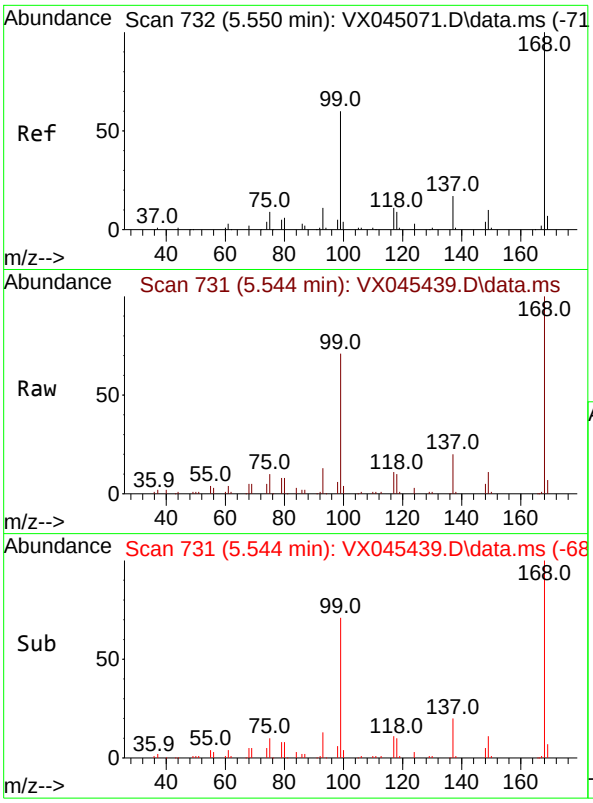
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032525\
Data File : VX045439.D
Acq On : 25 Mar 2025 14:50
Operator : JC/MD
Sample : Q1608-21DL 40X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TT101D2-20250319DL

Quant Time: Mar 26 01:39:04 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



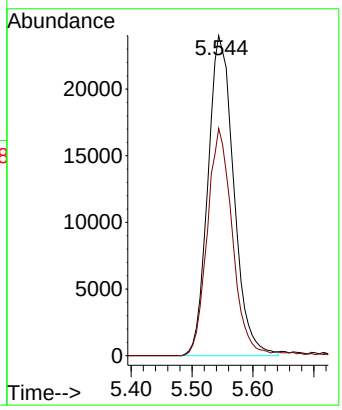


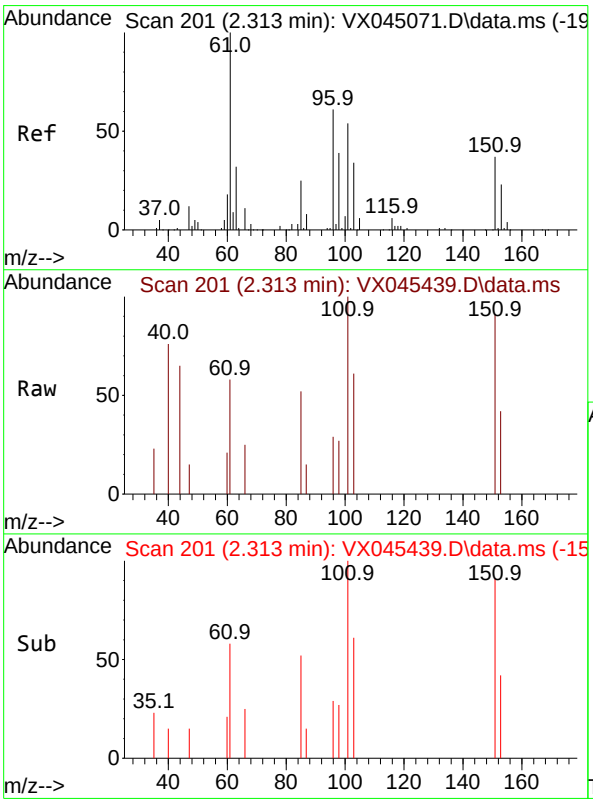
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045439.D
Acq: 25 Mar 2025 14:50

Instrument :
MSVOA_X
ClientSampleId :
TT101D2-20250319DL

Tgt Ion:168 Resp: 70652

Ion	Ratio	Lower	Upper
168	100		
99	71.1	48.2	72.4

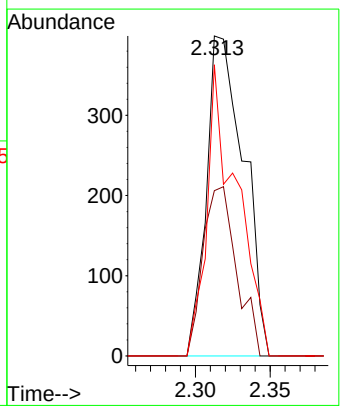


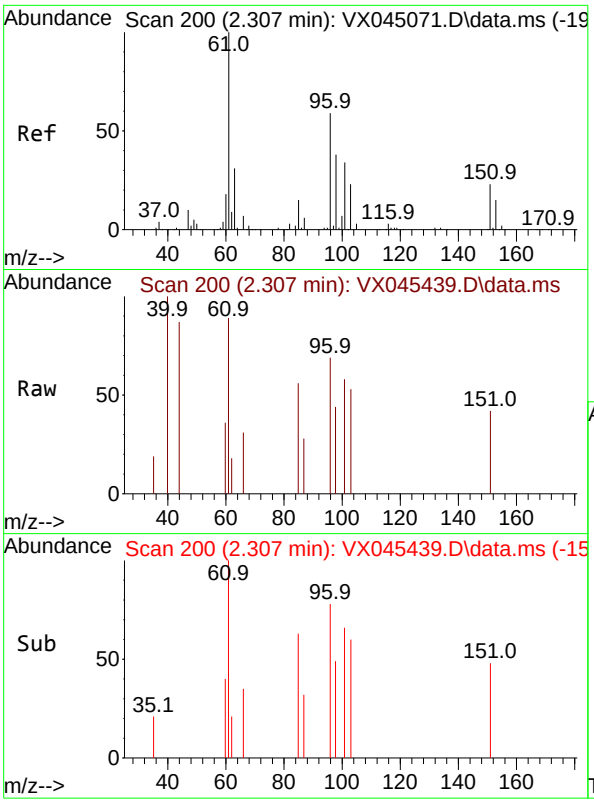


#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.845 ug/l
RT: 2.313 min Scan# 201
Delta R.T. 0.000 min
Lab File: VX045439.D
Acq: 25 Mar 2025 14:50

Tgt Ion:101 Resp: 694

Ion	Ratio	Lower	Upper
101	100		
85	47.4	36.2	54.4
151	72.9	56.4	84.6



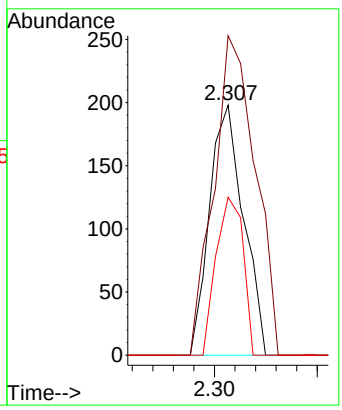


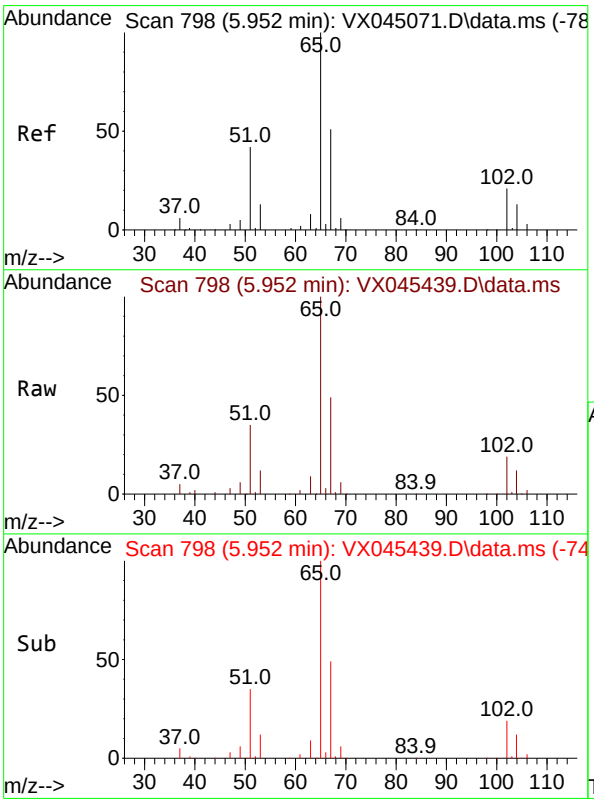
#12
1,1-Dichloroethene
Concen: 0.261 ug/l
RT: 2.307 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045439.D
Acq: 25 Mar 2025 14:50

Instrument :
MSVOA_X
ClientSampleId :
TT101D2-20250319DL

Tgt Ion: 96 Resp: 227

Ion	Ratio	Lower	Upper
96	100		
61	127.8	134.6	202.0#
98	63.1	51.0	76.6

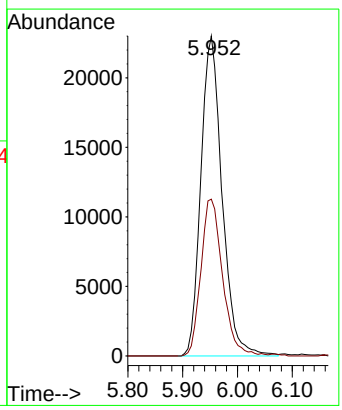


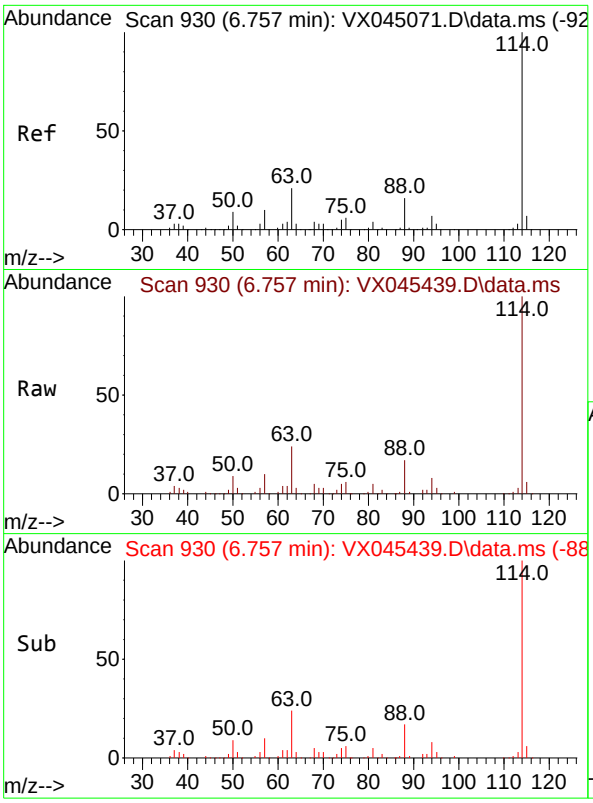


#33
1,2-Dichloroethane-d4
Concen: 55.006 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX045439.D
Acq: 25 Mar 2025 14:50

Tgt Ion: 65 Resp: 61817

Ion	Ratio	Lower	Upper
65	100		
67	50.0	0.0	106.2



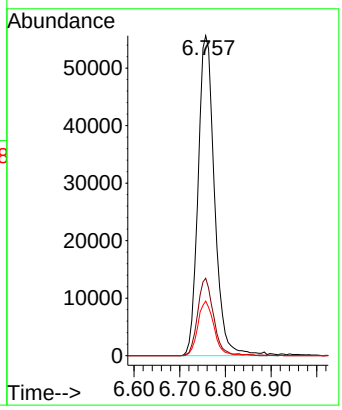


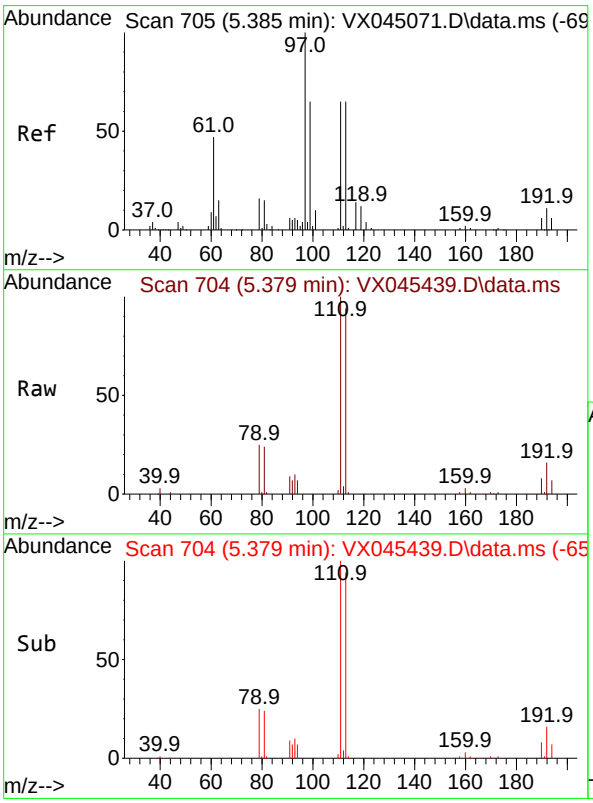
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 9
Delta R.T. 0.000 min
Lab File: VX045439.D
Acq: 25 Mar 2025 14:50

Instrument :
MSVOA_X
ClientSampleId :
TT101D2-20250319DL

Tgt Ion:114 Resp: 139172

Ion	Ratio	Lower	Upper
114	100		
63	24.2	0.0	41.8
88	17.0	0.0	32.8

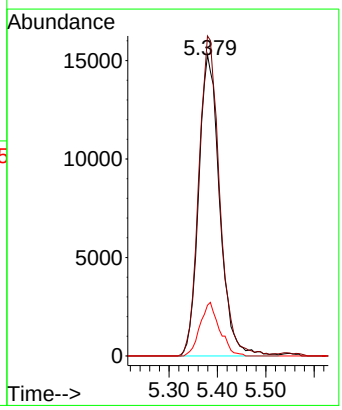


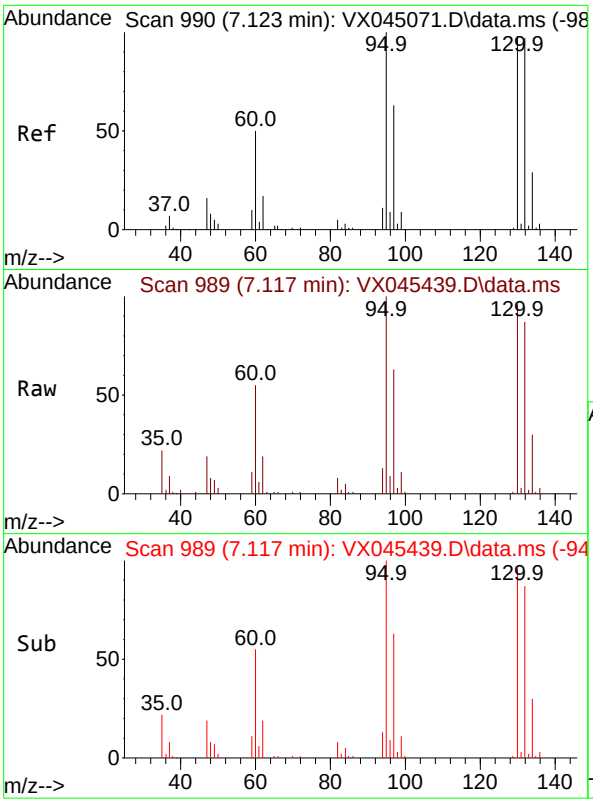


#35
Dibromofluoromethane
Concen: 49.324 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX045439.D
Acq: 25 Mar 2025 14:50

Tgt Ion:113 Resp: 45901

Ion	Ratio	Lower	Upper
113	100		
111	105.5	81.8	122.6
192	16.7	14.3	21.5



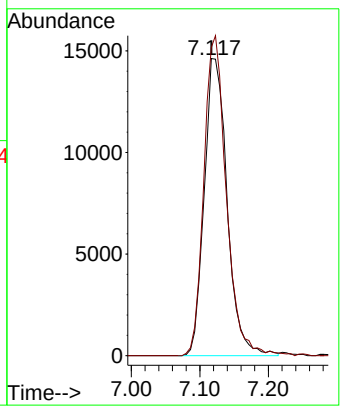


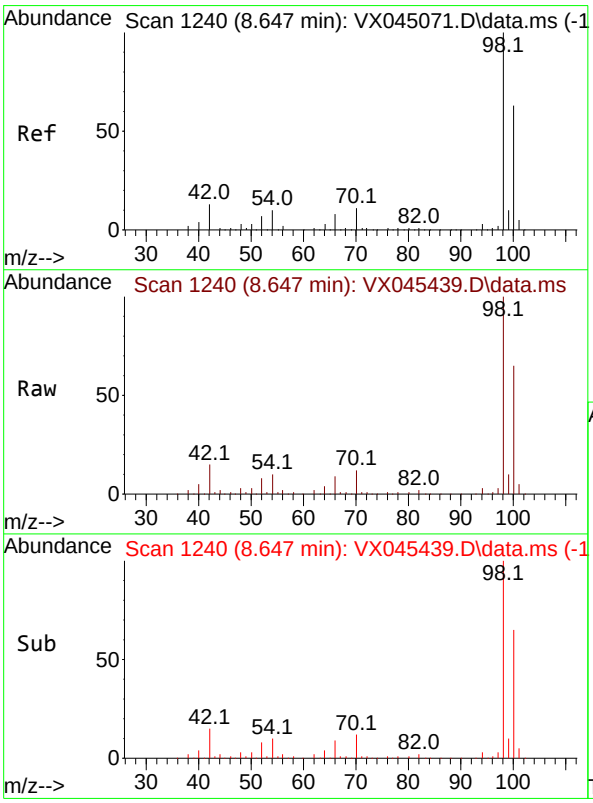
#44
Trichloroethene
Concen: 36.036 ug/l
RT: 7.117 min Scan# 9
Delta R.T. -0.006 min
Lab File: VX045439.D
Acq: 25 Mar 2025 14:50

Instrument :
MSVOA_X
ClientSampleId :
TT101D2-20250319DL

Tgt Ion:130 Resp: 34101

Ion	Ratio	Lower	Upper
130	100		
95	103.7	0.0	205.0

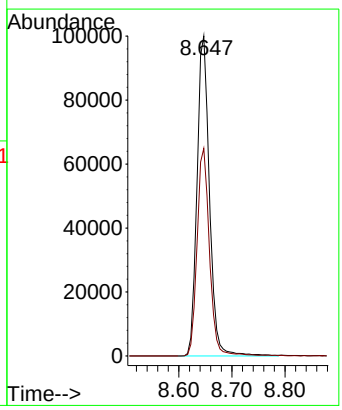


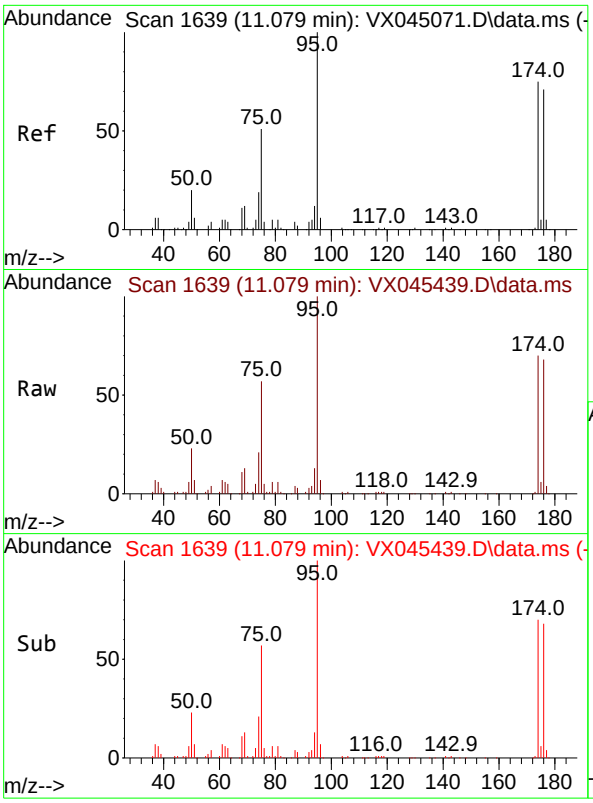


#50
Toluene-d8
Concen: 48.394 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX045439.D
Acq: 25 Mar 2025 14:50

Tgt Ion: 98 Resp: 163272

Ion	Ratio	Lower	Upper
98	100		
100	64.8	52.0	78.0



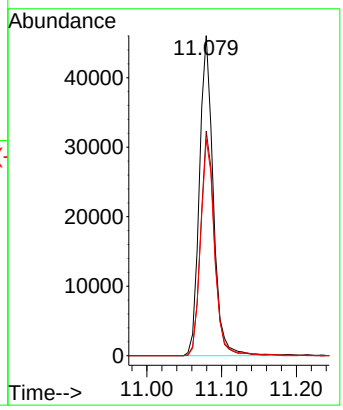


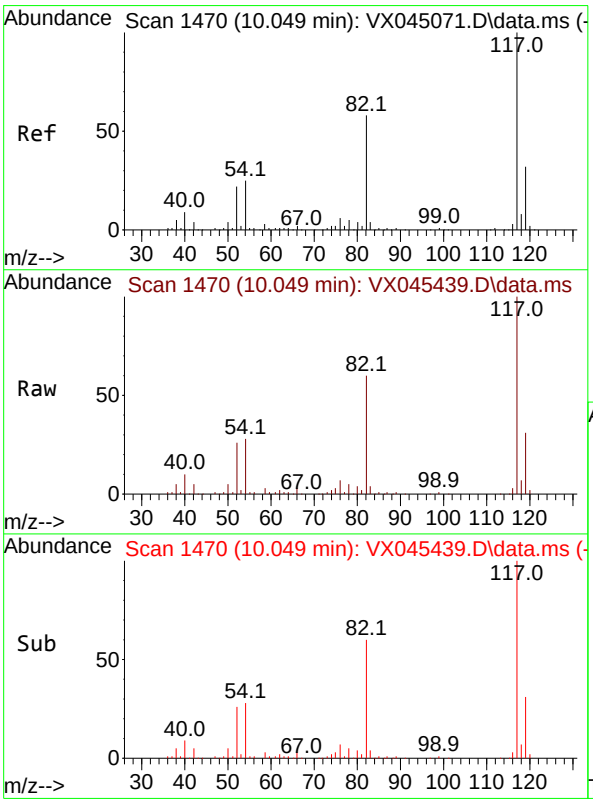
#62
4-Bromofluorobenzene
Concen: 52.718 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045439.D
Acq: 25 Mar 2025 14:50

Instrument :
MSVOA_X
ClientSampleId :
TT101D2-20250319DL

Tgt Ion: 95 Resp: 58937

Ion	Ratio	Lower	Upper
95	100		
174	70.3	0.0	148.2
176	68.2	0.0	141.4

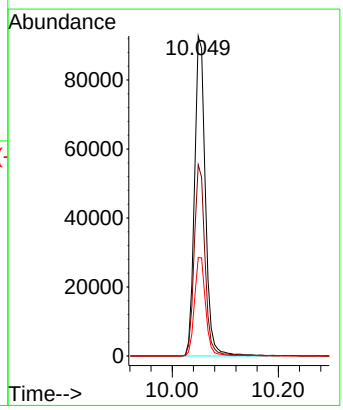


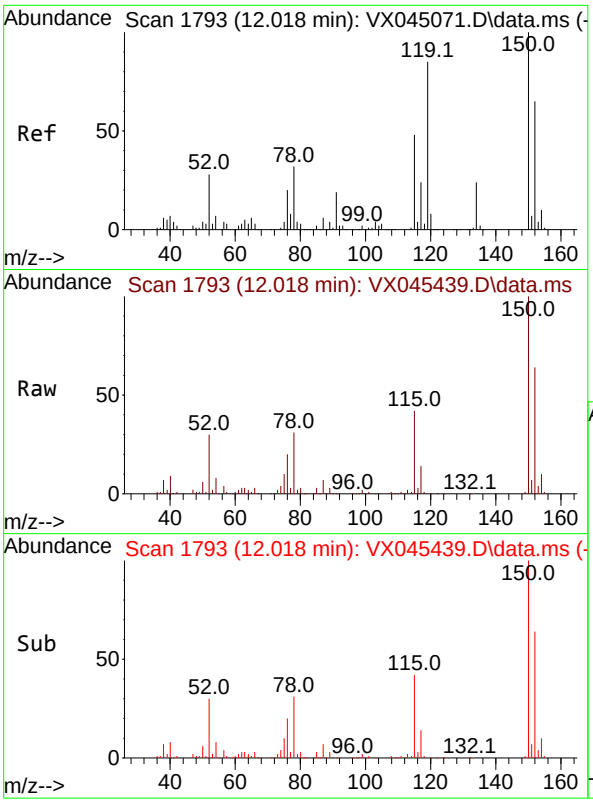


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX045439.D
Acq: 25 Mar 2025 14:50

Tgt Ion:117 Resp: 131487

Ion	Ratio	Lower	Upper
117	100		
82	59.7	46.3	69.5
119	30.7	25.7	38.5



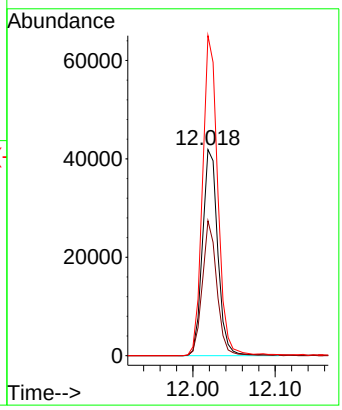


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045439.D
Acq: 25 Mar 2025 14:50

Instrument :
MSVOA_X
ClientSampleId :
TT101D2-20250319DL

Tgt Ion:152 Resp: 54151

Ion	Ratio	Lower	Upper
152	100		
115	62.6	44.2	132.6
150	154.8	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:	03/19/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/19/25
Client Sample ID:	TT161S1-20250319	SDG No.:	Q1608
Lab Sample ID:	Q1608-22	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
VX045422.D	1		03/24/25 18:00	VX032425

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	0.68	J	0.23	0.75	1.00	ug/L
67-64-1	Acetone	1.50	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	0.77	J	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	2.70		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	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	6.30		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

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Fax : 908 789 8922

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	03/19/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/19/25
Client Sample ID:	TT161S1-20250319	SDG No.:	Q1608
Lab Sample ID:	Q1608-22	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
VX045422.D	1		03/24/25 18:00	VX032425

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	51.0		80 - 119		102%	SPK: 50
2037-26-5	Toluene-d8	48.3		89 - 112		97%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.2		85 - 114		102%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	67900	5.544				
540-36-3	1,4-Difluorobenzene	133000	6.757				
3114-55-4	Chlorobenzene-d5	121000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	49400	12.018				

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Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	03/19/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/19/25
Client Sample ID:	TT161S1-20250319	SDG No.:	Q1608
Lab Sample ID:	Q1608-22	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
VX045422.D	1		03/24/25 18:00	VX032425

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\VX032425\
Data File : VX045422.D
Acq On : 24 Mar 2025 18:00
Operator : JC/MD
Sample : Q1608-22
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TT161S1-20250319

Quant Time: Mar 25 01:38:33 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

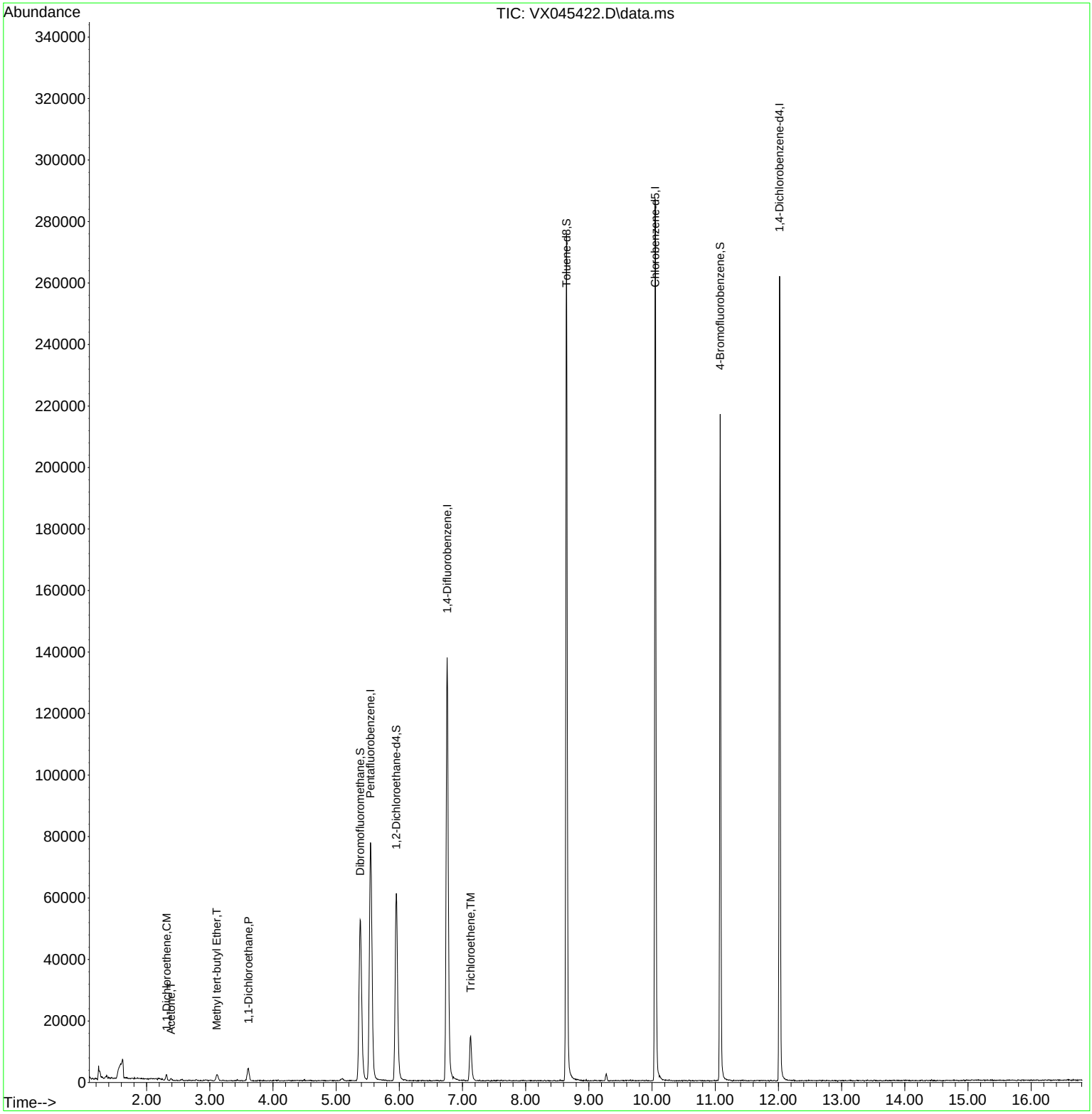
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	67871	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	133134	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	121041	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	49396	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	59840	55.429	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 110.860%			
35) Dibromofluoromethane	5.379	113	45405	51.004	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.000%			
50) Toluene-d8	8.647	98	155997	48.335	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 96.680%			
62) 4-Bromofluorobenzene	11.079	95	54765	51.208	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 102.420%			
Target Compounds						Qvalue
12) 1,1-Dichloroethene	2.319	96	568	0.681	ug/l	98
16) Acetone	2.386	43	768	1.533	ug/l #	87
19) Methyl tert-butyl Ether	3.111	73	2141	0.765	ug/l	93
24) 1,1-Dichloroethane	3.611	63	4647	2.746	ug/l	98
44) Trichloroethene	7.129	130	5695	6.291	ug/l	93

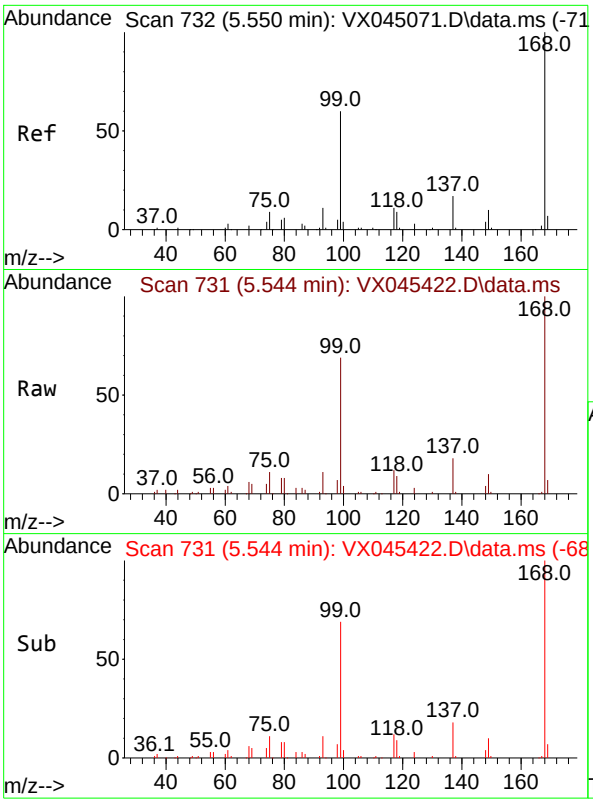
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032425\
Data File : VX045422.D
Acq On : 24 Mar 2025 18:00
Operator : JC/MD
Sample : Q1608-22
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TT161S1-20250319

Quant Time: Mar 25 01:38:33 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



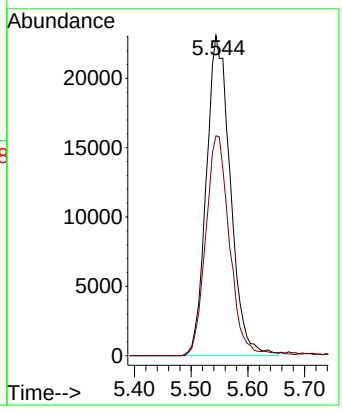


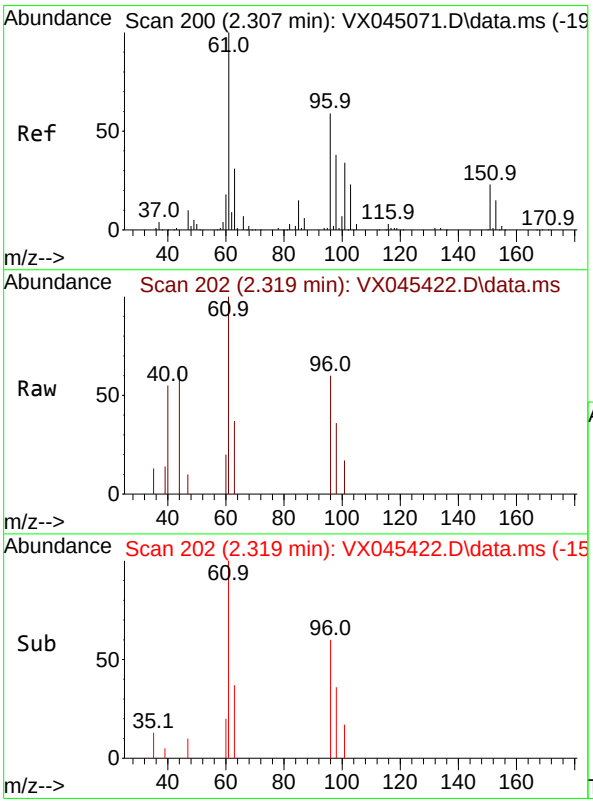
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045422.D
Acq: 24 Mar 2025 18:00

Instrument :
MSVOA_X
ClientSampleId :
TT161S1-20250319

Tgt Ion:168 Resp: 67871

Ion	Ratio	Lower	Upper
168	100		
99	68.7	48.2	72.4

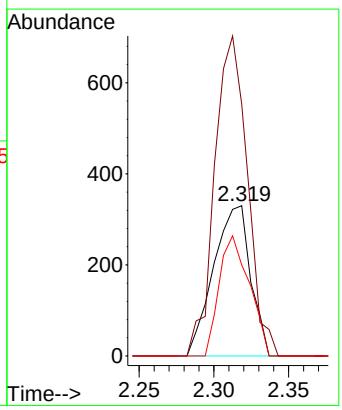


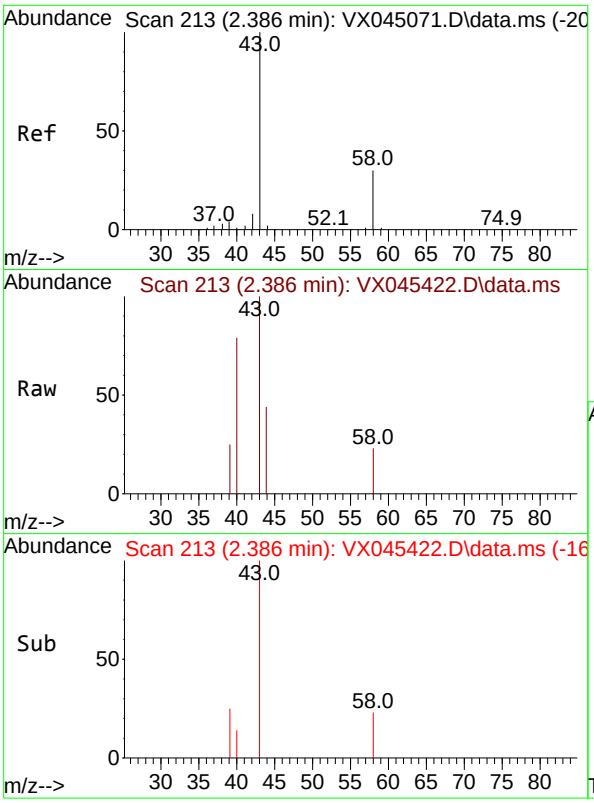


#12
1,1-Dichloroethene
Concen: 0.681 ug/l
RT: 2.319 min Scan# 202
Delta R.T. 0.012 min
Lab File: VX045422.D
Acq: 24 Mar 2025 18:00

Tgt Ion: 96 Resp: 568

Ion	Ratio	Lower	Upper
96	100		
61	167.6	134.6	202.0
98	60.6	51.0	76.6



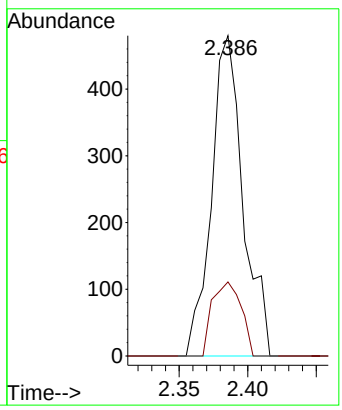


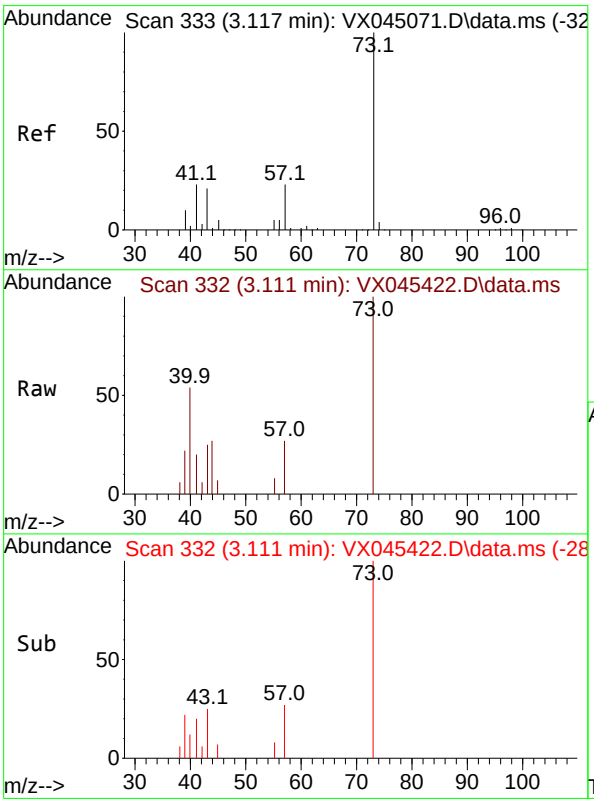
#16
Acetone
Concen: 1.533 ug/l
RT: 2.386 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX045422.D
Acq: 24 Mar 2025 18:00

Instrument :
MSVOA_X
ClientSampleId :
TT161S1-20250319

Tgt Ion: 43 Resp: 768

Ion	Ratio	Lower	Upper
43	100		
58	23.1	24.2	36.4#

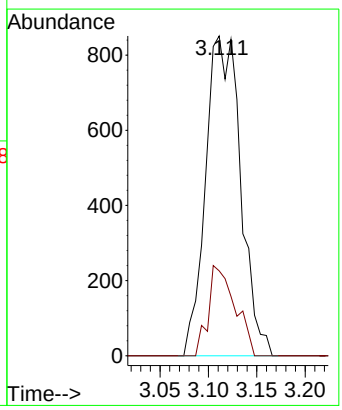


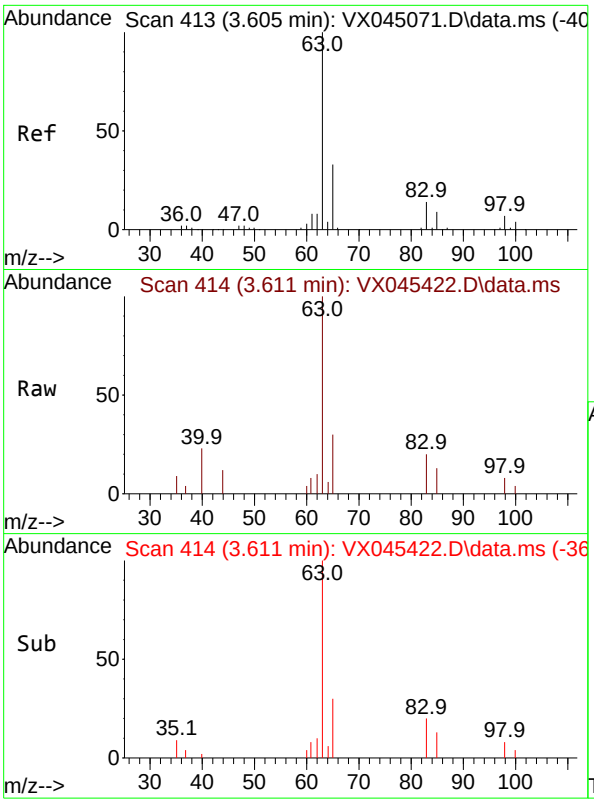


#19
Methyl tert-butyl Ether
Concen: 0.765 ug/l
RT: 3.111 min Scan# 332
Delta R.T. -0.006 min
Lab File: VX045422.D
Acq: 24 Mar 2025 18:00

Tgt Ion: 73 Resp: 2141

Ion	Ratio	Lower	Upper
73	100		
57	26.6	18.5	27.7



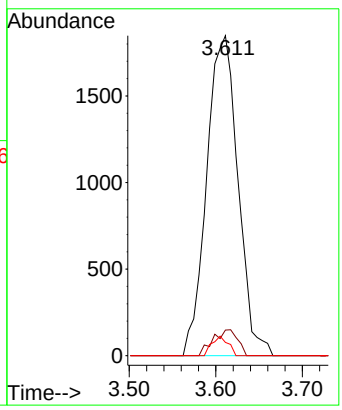


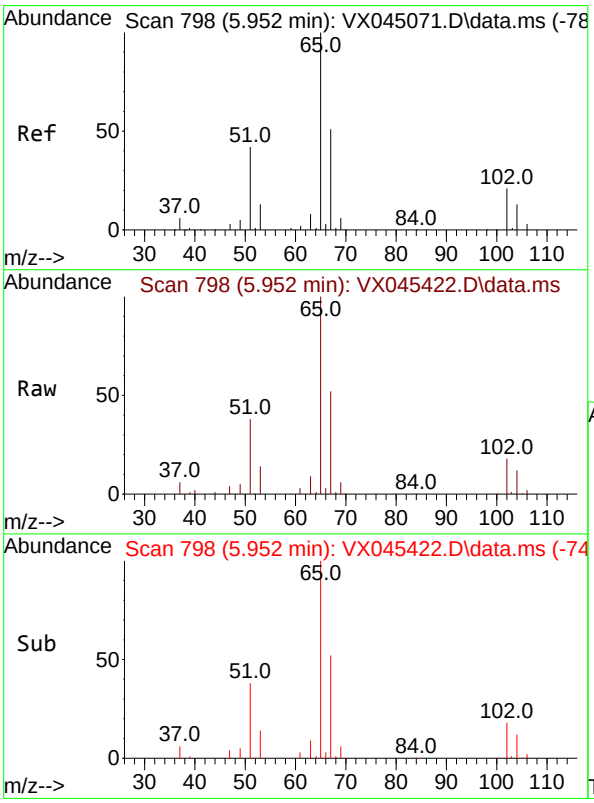
#24
1,1-Dichloroethane
Concen: 2.746 ug/l
RT: 3.611 min Scan# 41
Delta R.T. 0.006 min
Lab File: VX045422.D
Acq: 24 Mar 2025 18:00

Instrument :
MSVOA_X
ClientSampleId :
TT161S1-20250319

Tgt Ion: 63 Resp: 4647

Ion	Ratio	Lower	Upper
63	100		
98	8.0	3.4	10.2
100	4.2	2.1	6.5

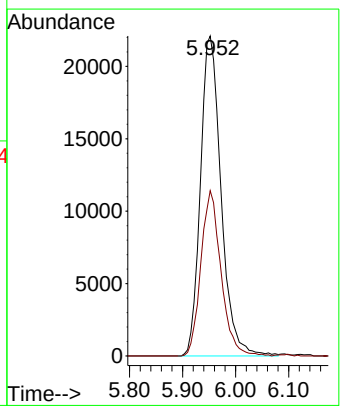


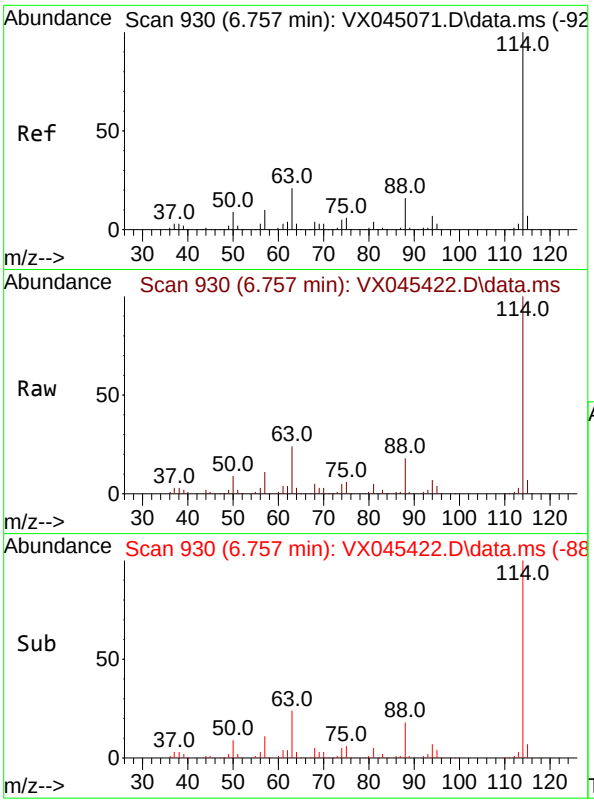


#33
1,2-Dichloroethane-d4
Concen: 55.429 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX045422.D
Acq: 24 Mar 2025 18:00

Tgt Ion: 65 Resp: 59840

Ion	Ratio	Lower	Upper
65	100		
67	50.3	0.0	106.2



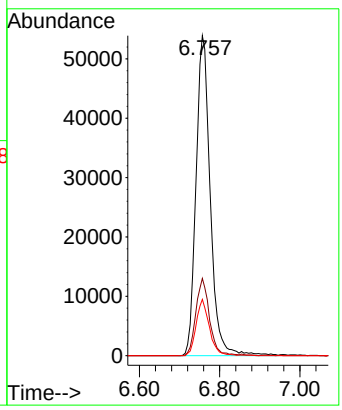


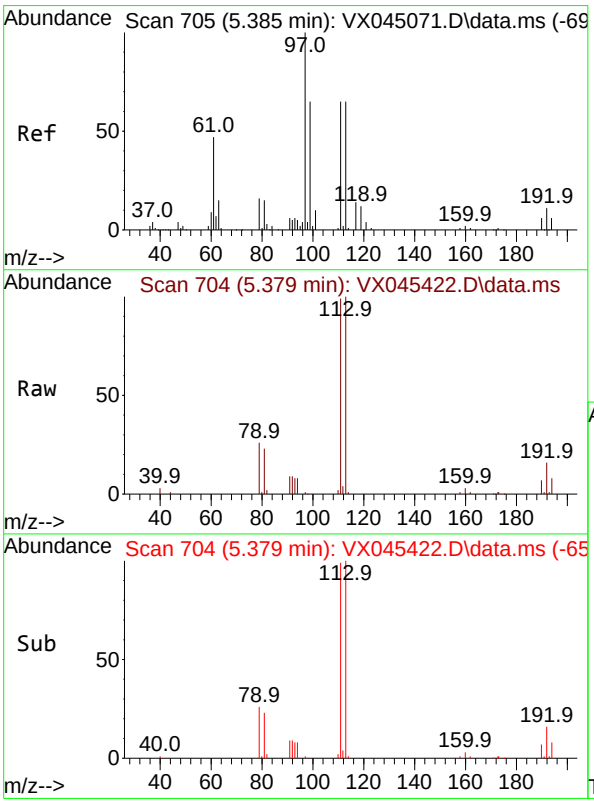
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX045422.D
Acq: 24 Mar 2025 18:00

Instrument :
MSVOA_X
ClientSampleId :
TT161S1-20250319

Tgt Ion:114 Resp: 133134

Ion	Ratio	Lower	Upper
114	100		
63	24.2	0.0	41.8
88	17.6	0.0	32.8

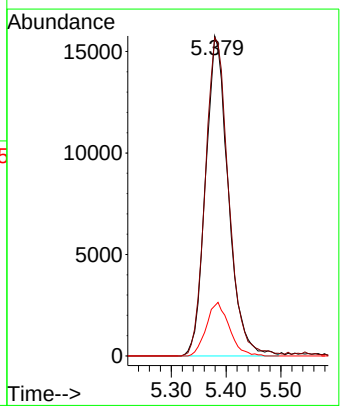


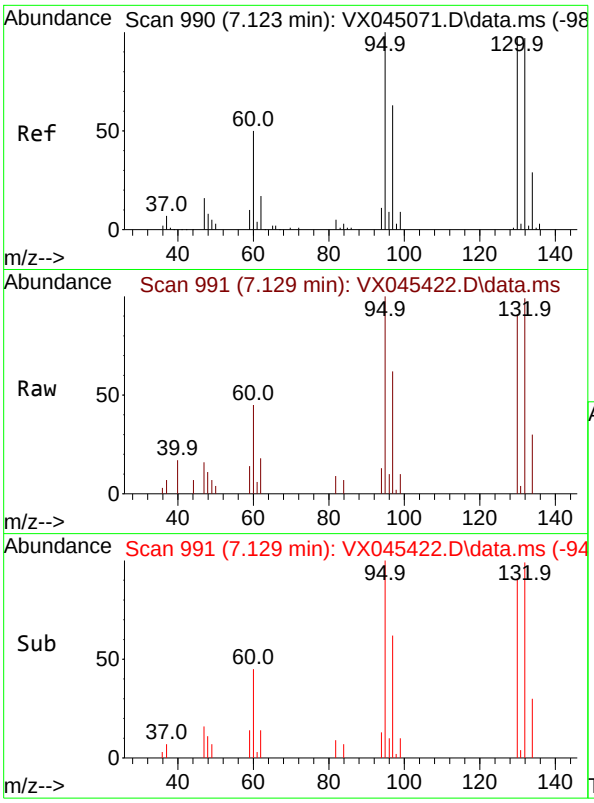


#35
Dibromofluoromethane
Concen: 51.004 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX045422.D
Acq: 24 Mar 2025 18:00

Tgt Ion:113 Resp: 45405

Ion	Ratio	Lower	Upper
113	100		
111	102.5	81.8	122.6
192	16.9	14.3	21.5



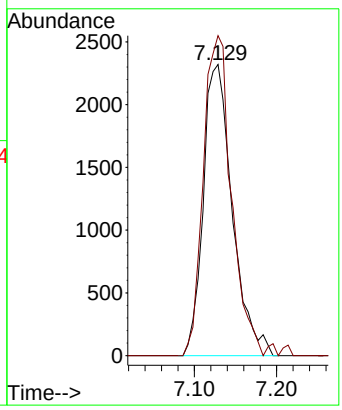


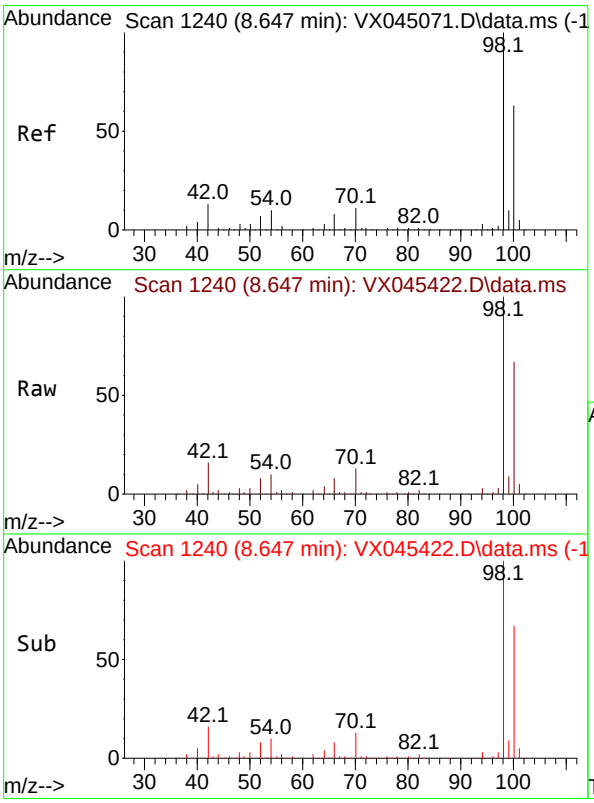
#44
Trichloroethene
Concen: 6.291 ug/l
RT: 7.129 min Scan# 9
Delta R.T. 0.006 min
Lab File: VX045422.D
Acq: 24 Mar 2025 18:00

Instrument :
MSVOA_X
ClientSampleId :
TT161S1-20250319

Tgt Ion:130 Resp: 5695

Ion	Ratio	Lower	Upper
130	100		
95	109.9	0.0	205.0

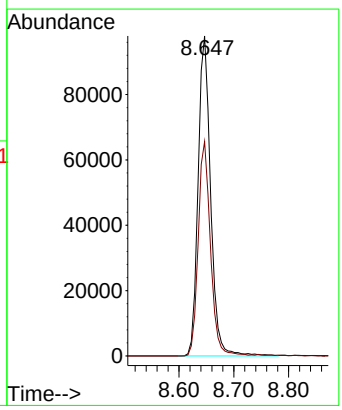


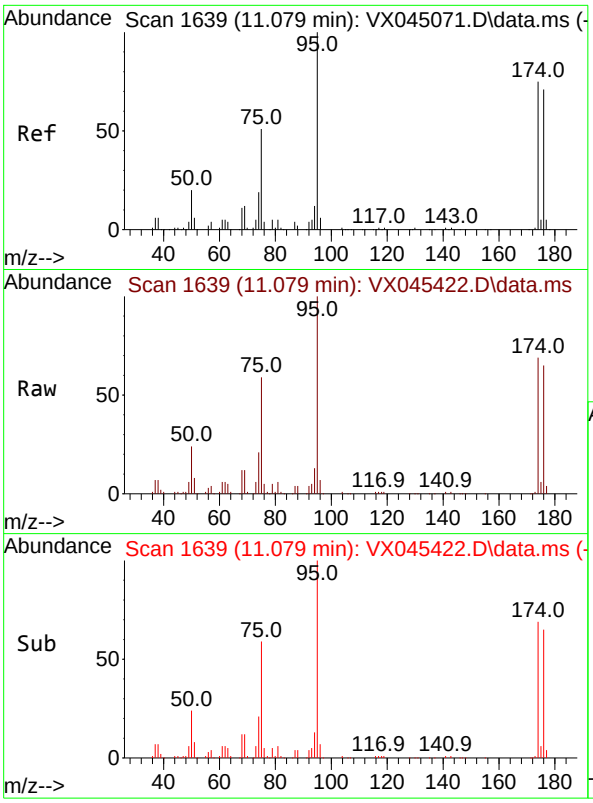


#50
Toluene-d8
Concen: 48.335 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045422.D
Acq: 24 Mar 2025 18:00

Tgt Ion: 98 Resp: 155997

Ion	Ratio	Lower	Upper
98	100		
100	65.6	52.0	78.0



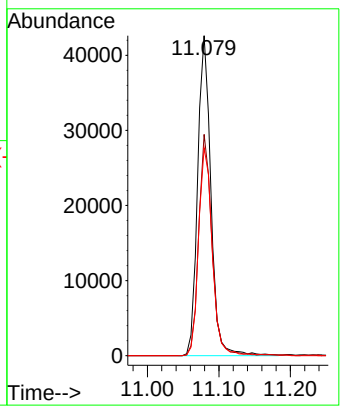


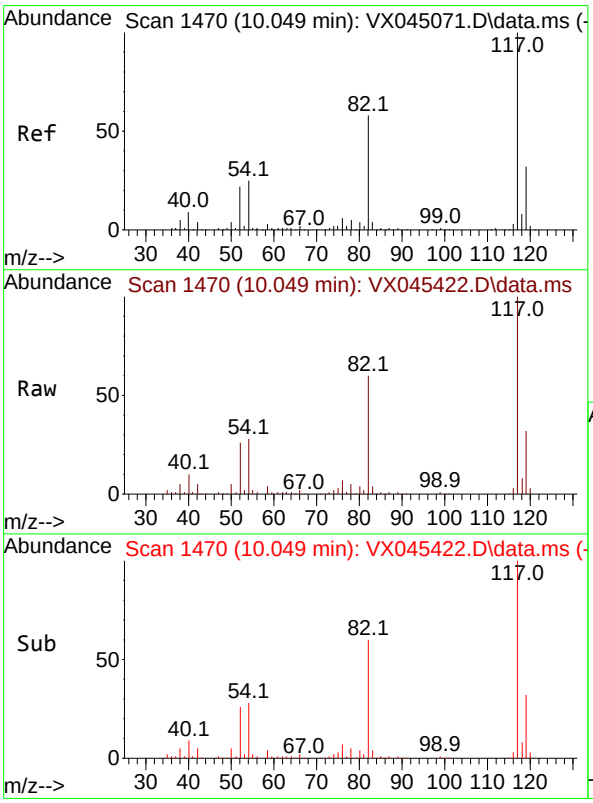
#62
4-Bromofluorobenzene
Concen: 51.208 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045422.D
Acq: 24 Mar 2025 18:00

Instrument :
MSVOA_X
ClientSampleId :
TT161S1-20250319

Tgt Ion: 95 Resp: 54765

Ion	Ratio	Lower	Upper
95	100		
174	69.0	0.0	148.2
176	67.4	0.0	141.4

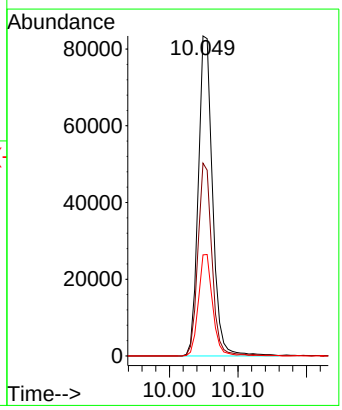


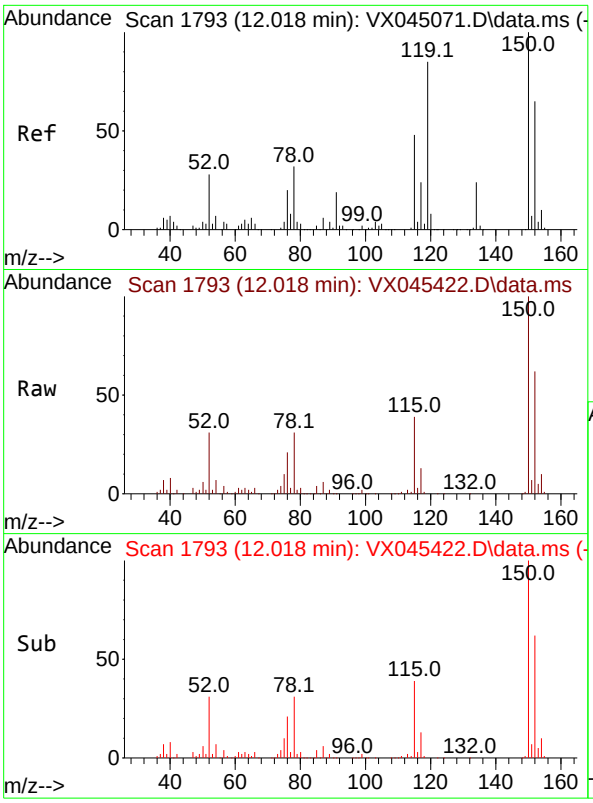


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX045422.D
Acq: 24 Mar 2025 18:00

Tgt Ion:117 Resp: 121041

Ion	Ratio	Lower	Upper
117	100		
82	60.2	46.3	69.5
119	31.6	25.7	38.5



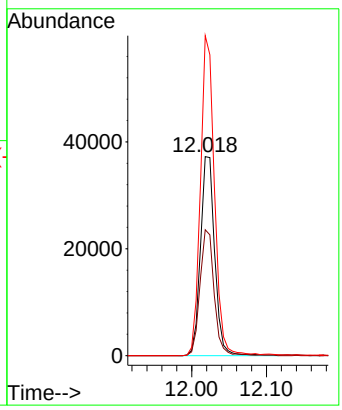


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045422.D
Acq: 24 Mar 2025 18:00

Instrument :
MSVOA_X
ClientSampleId :
TT161S1-20250319

Tgt Ion:152 Resp: 49396

Ion	Ratio	Lower	Upper
152	100		
115	63.1	44.2	132.6
150	158.7	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:	03/19/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/19/25
Client Sample ID:	TT189D2-20250319	SDG No.:	Q1608
Lab Sample ID:	Q1608-23	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
VX045423.D	1		03/24/25 18:23	VX032425

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	23.1		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	1.70		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	3.30		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	100		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:	03/19/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/19/25
Client Sample ID:	TT189D2-20250319	SDG No.:	Q1608
Lab Sample ID:	Q1608-23	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
VX045423.D	1		03/24/25 18:23	VX032425

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	0.48	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	54.9		81 - 118		110%	SPK: 50
1868-53-7	Dibromofluoromethane	50.0		80 - 119		100%	SPK: 50
2037-26-5	Toluene-d8	48.9		89 - 112		98%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.4		85 - 114		101%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	64300	5.55				
540-36-3	1,4-Difluorobenzene	126000	6.757				
3114-55-4	Chlorobenzene-d5	114000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	45600	12.018				

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Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	03/19/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/19/25
Client Sample ID:	TT189D2-20250319	SDG No.:	Q1608
Lab Sample ID:	Q1608-23	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
VX045423.D	1		03/24/25 18:23	VX032425

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\VX032425\
Data File : VX045423.D
Acq On : 24 Mar 2025 18:23
Operator : JC/MD
Sample : Q1608-23
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TT189D2-20250319

Quant Time: Mar 25 01:38:57 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

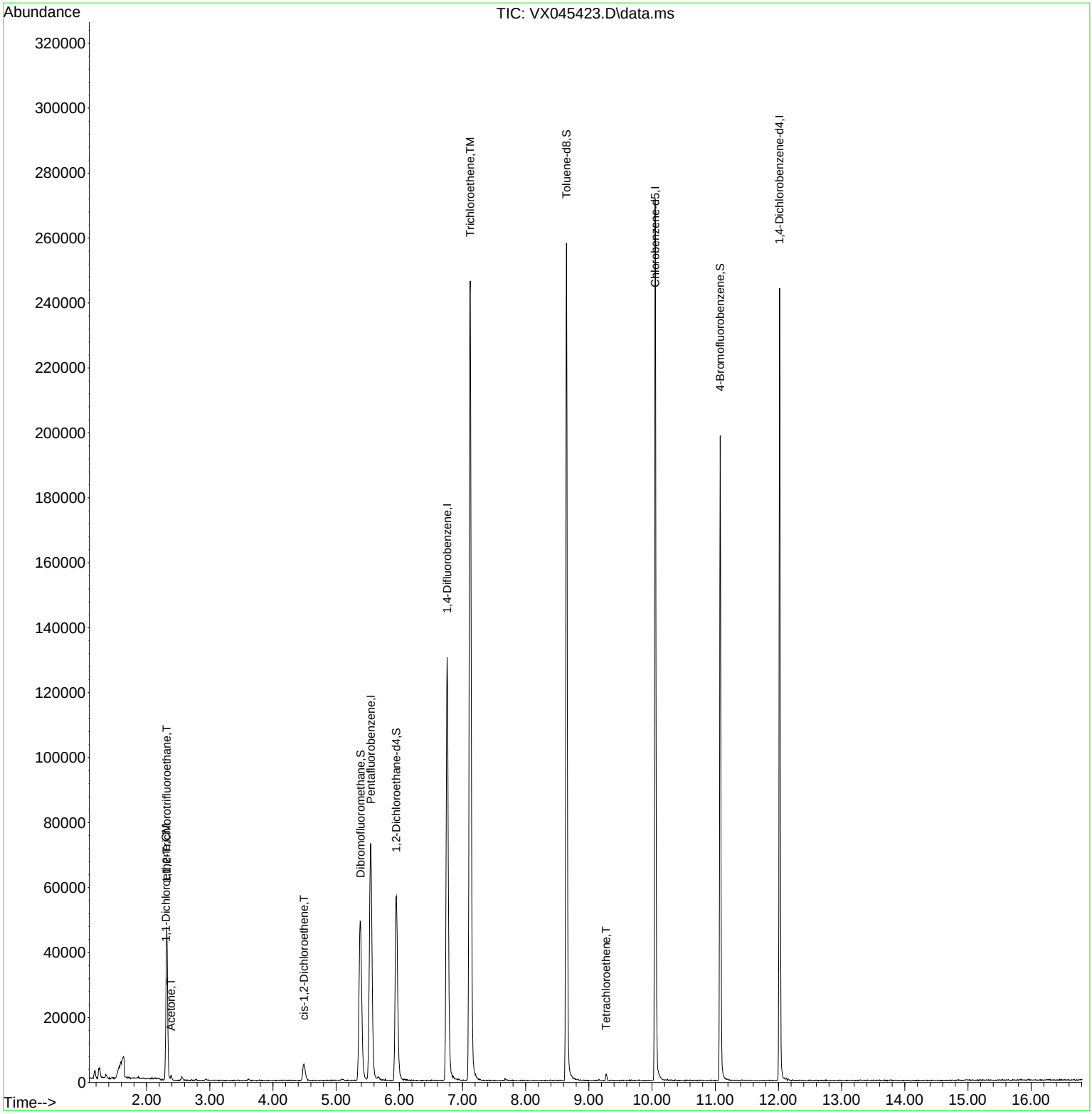
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	64309	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	126415	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	114275	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	45637	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	56168	54.909	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 109.820%			
35) Dibromofluoromethane	5.385	113	42269	50.004	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.000%			
50) Toluene-d8	8.647	98	149731	48.859	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 97.720%			
62) 4-Bromofluorobenzene	11.079	95	51170	50.389	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 100.780%			
Target Compounds						Qvalue
9) 1,1,2-Trichlorotrifluo...	2.319	101	17247	23.075	ug/l	97
12) 1,1-Dichloroethene	2.306	96	1345	1.702	ug/l #	77
16) Acetone	2.386	43	1120	2.360	ug/l	97
27) cis-1,2-Dichloroethene	4.489	96	3202	3.323	ug/l	94
44) Trichloroethene	7.123	130	89647	104.295	ug/l	99
64) Tetrachloroethene	9.275	164	349	0.477	ug/l #	80

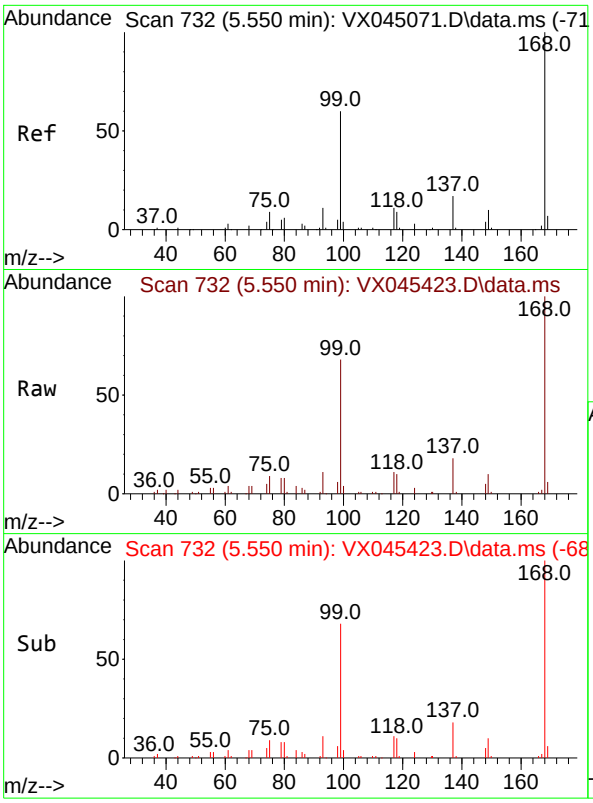
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032425\
Data File : VX045423.D
Acq On : 24 Mar 2025 18:23
Operator : JC/MD
Sample : Q1608-23
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TT189D2-20250319

Quant Time: Mar 25 01:38:57 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



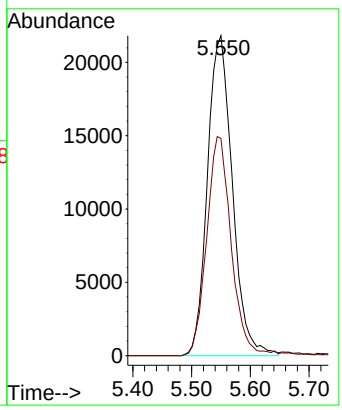


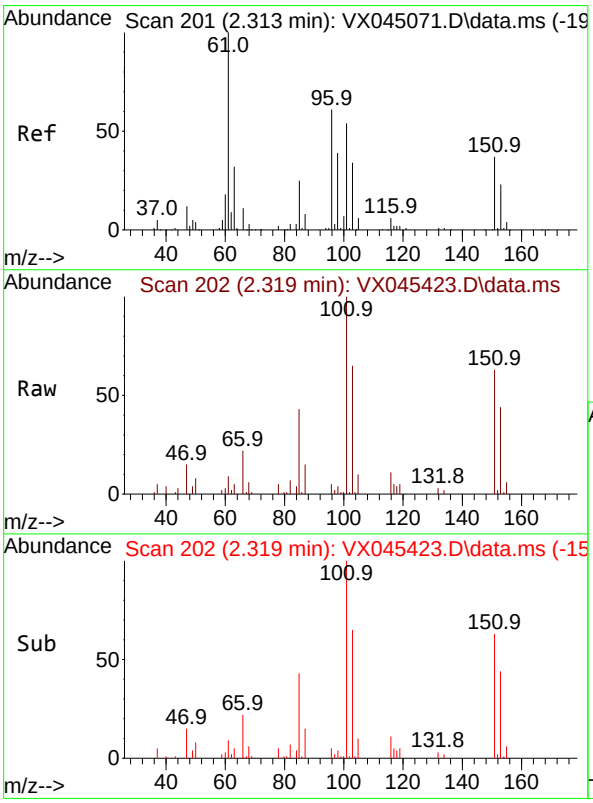
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045423.D
Acq: 24 Mar 2025 18:23

Instrument :
MSVOA_X
ClientSampleId :
TT189D2-20250319

Tgt Ion:168 Resp: 64309

Ion	Ratio	Lower	Upper
168	100		
99	67.9	48.2	72.4

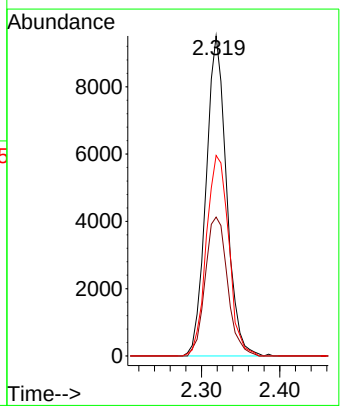


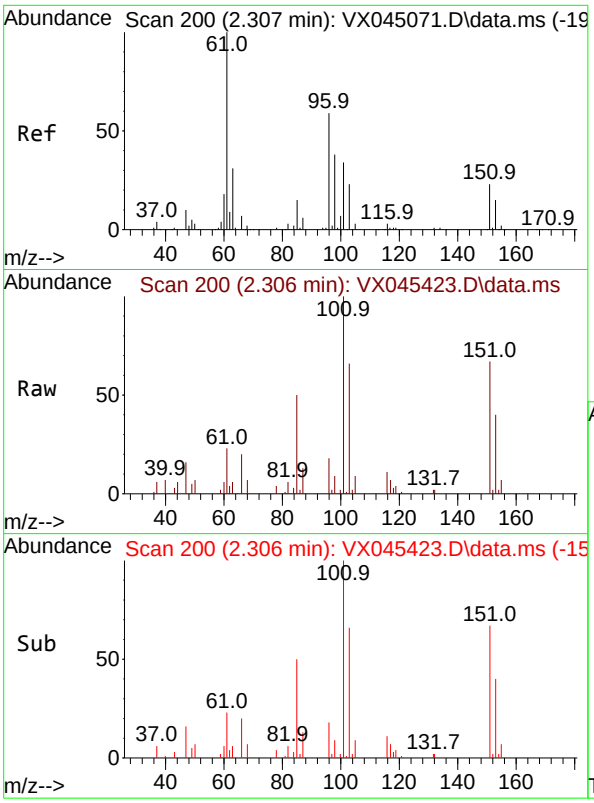


#9
1,1,2-Trichlorotrifluoroethane
Concen: 23.075 ug/l
RT: 2.319 min Scan# 202
Delta R.T. 0.006 min
Lab File: VX045423.D
Acq: 24 Mar 2025 18:23

Tgt Ion:101 Resp: 17247

Ion	Ratio	Lower	Upper
101	100		
85	47.4	36.2	54.4
151	68.7	56.4	84.6



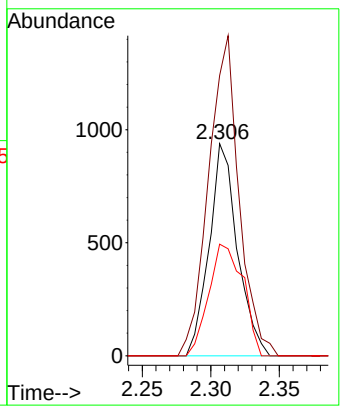


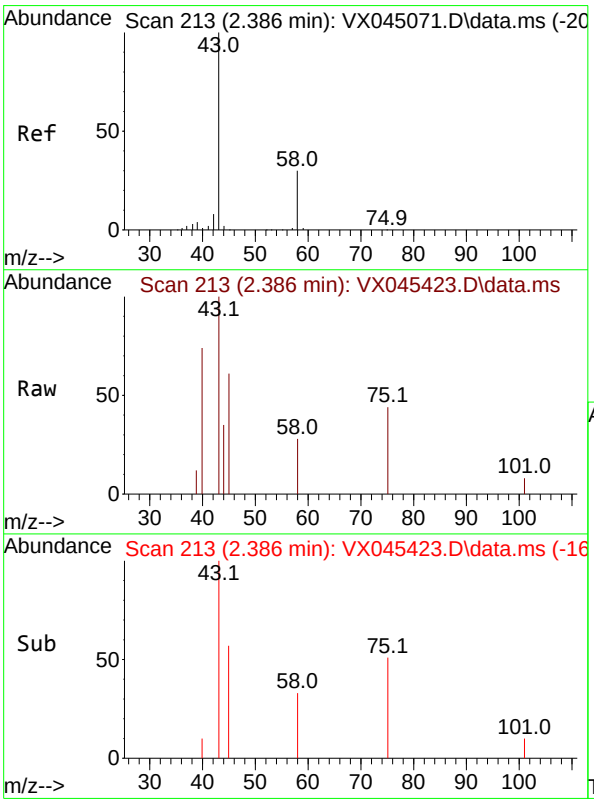
#12
1,1-Dichloroethene
Concen: 1.702 ug/l
RT: 2.306 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045423.D
Acq: 24 Mar 2025 18:23

Instrument :
MSVOA_X
ClientSampleId :
TT189D2-20250319

Tgt Ion: 96 Resp: 1345

Ion	Ratio	Lower	Upper
96	100		
61	132.2	134.6	202.0#
98	52.7	51.0	76.6

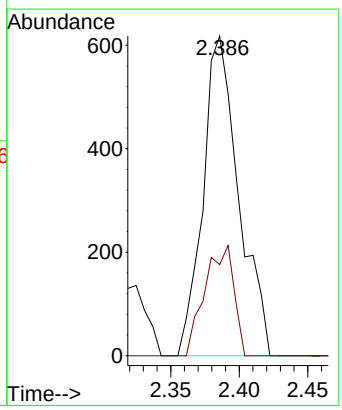


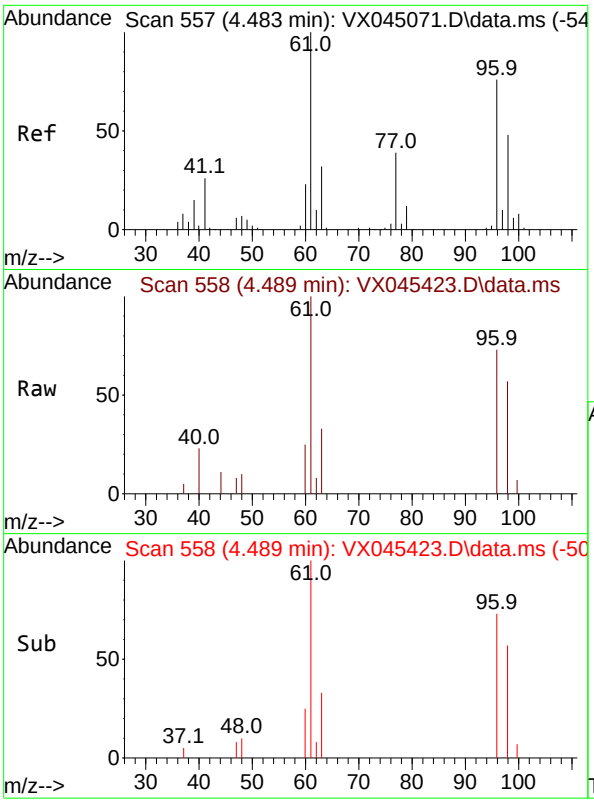


#16
Acetone
Concen: 2.360 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX045423.D
Acq: 24 Mar 2025 18:23

Tgt Ion: 43 Resp: 1120

Ion	Ratio	Lower	Upper
43	100		
58	28.5	24.2	36.4



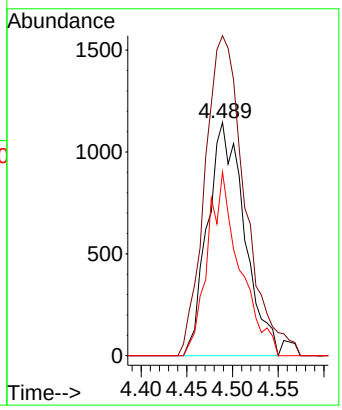


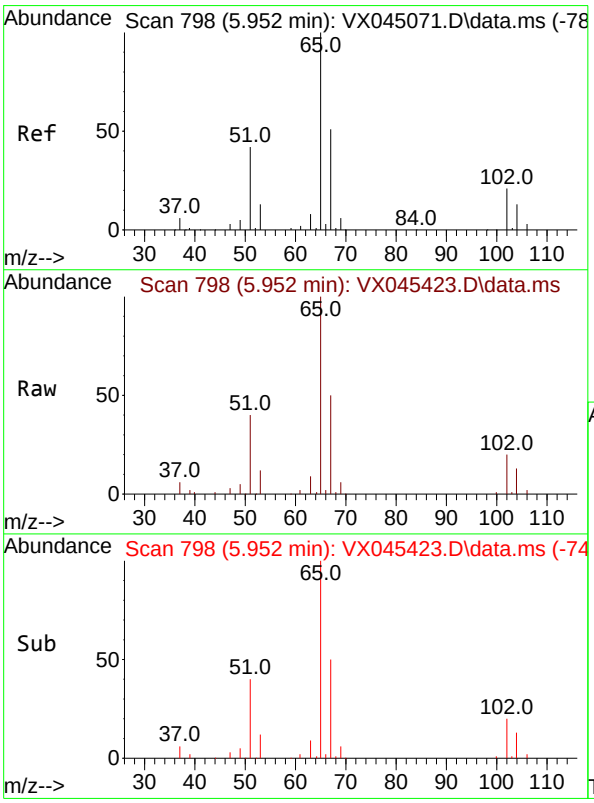
#27
cis-1,2-Dichloroethene
Concen: 3.323 ug/l
RT: 4.489 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX045423.D
Acq: 24 Mar 2025 18:23

Instrument :
MSVOA_X
ClientSampleId :
TT189D2-20250319

Tgt Ion: 96 Resp: 3202

Ion	Ratio	Lower	Upper
96	100		
61	149.0	0.0	283.2
98	69.0	0.0	128.0

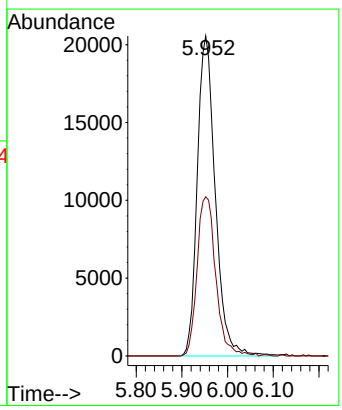


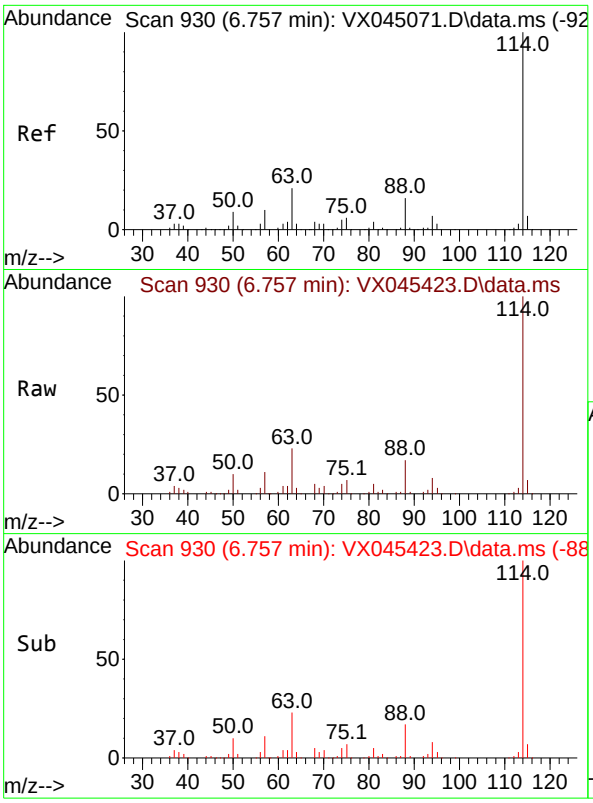


#33
1,2-Dichloroethane-d4
Concen: 54.909 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX045423.D
Acq: 24 Mar 2025 18:23

Tgt Ion: 65 Resp: 56168

Ion	Ratio	Lower	Upper
65	100		
67	51.7	0.0	106.2



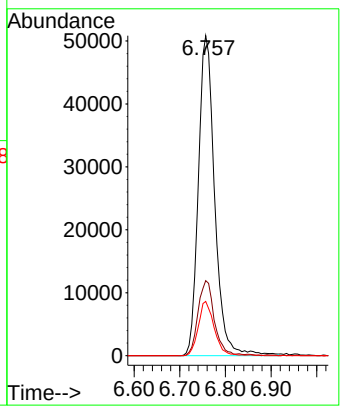


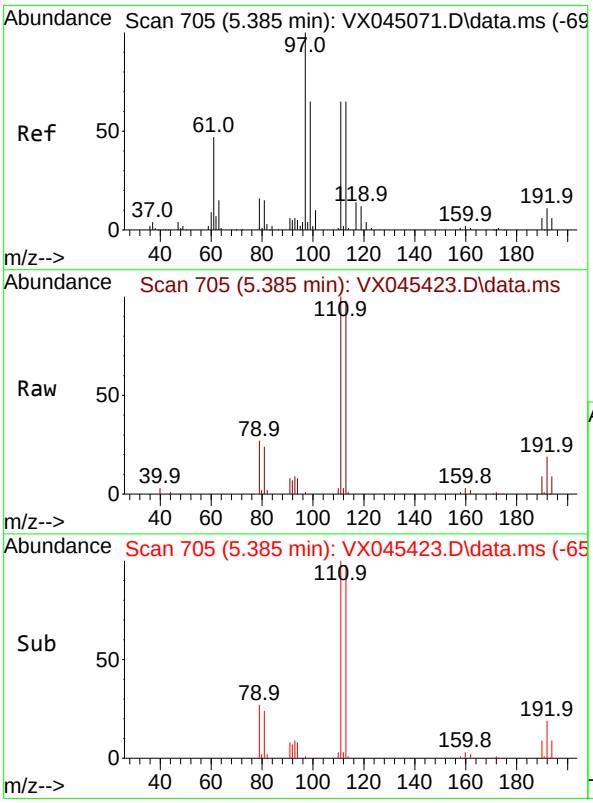
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX045423.D
Acq: 24 Mar 2025 18:23

Instrument :
MSVOA_X
ClientSampleId :
TT189D2-20250319

Tgt Ion:114 Resp: 126415

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

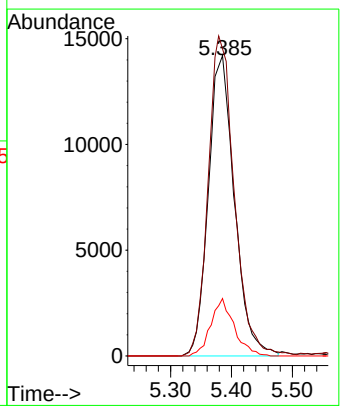


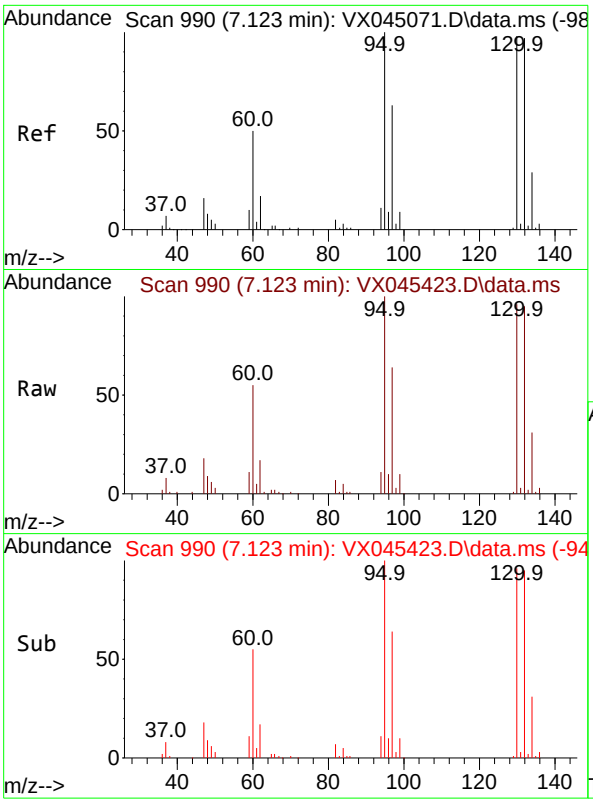


#35
Dibromofluoromethane
Concen: 50.004 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX045423.D
Acq: 24 Mar 2025 18:23

Tgt Ion:113 Resp: 42269

Ion	Ratio	Lower	Upper
113	100		
111	106.7	81.8	122.6
192	17.2	14.3	21.5



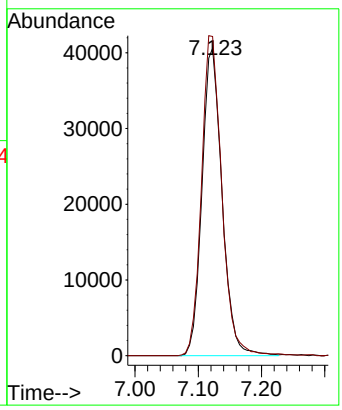


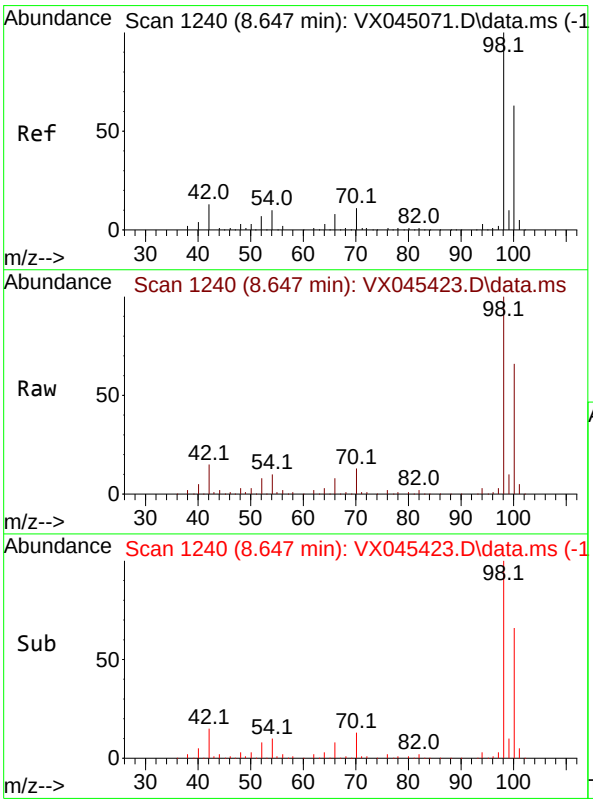
#44
Trichloroethene
Concen: 104.295 ug/l
RT: 7.123 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX045423.D
Acq: 24 Mar 2025 18:23

Instrument :
MSVOA_X
ClientSampleId :
TT189D2-20250319

Tgt Ion:130 Resp: 89647

Ion	Ratio	Lower	Upper
130	100		
95	103.9	0.0	205.0

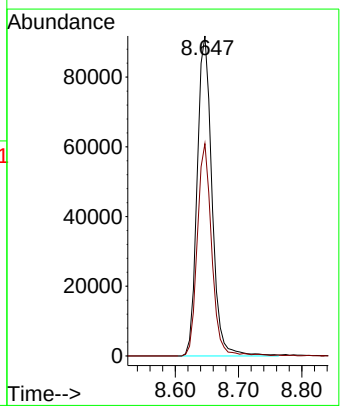


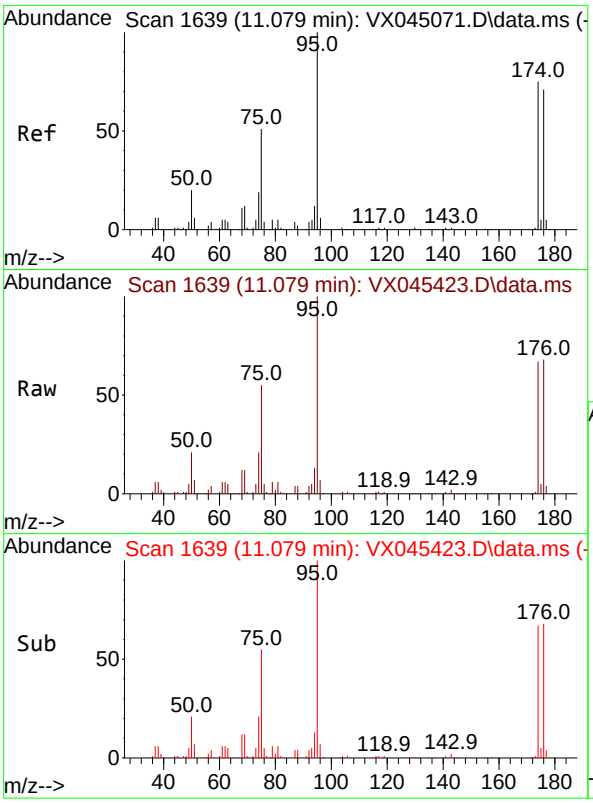


#50
Toluene-d8
Concen: 48.859 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045423.D
Acq: 24 Mar 2025 18:23

Tgt Ion: 98 Resp: 149731

Ion	Ratio	Lower	Upper
98	100		
100	64.4	52.0	78.0



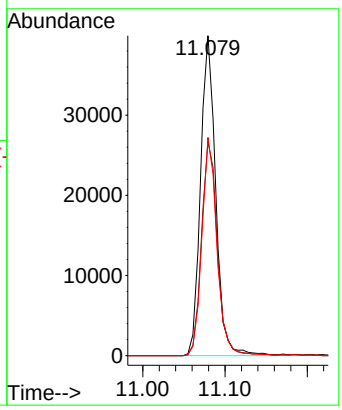


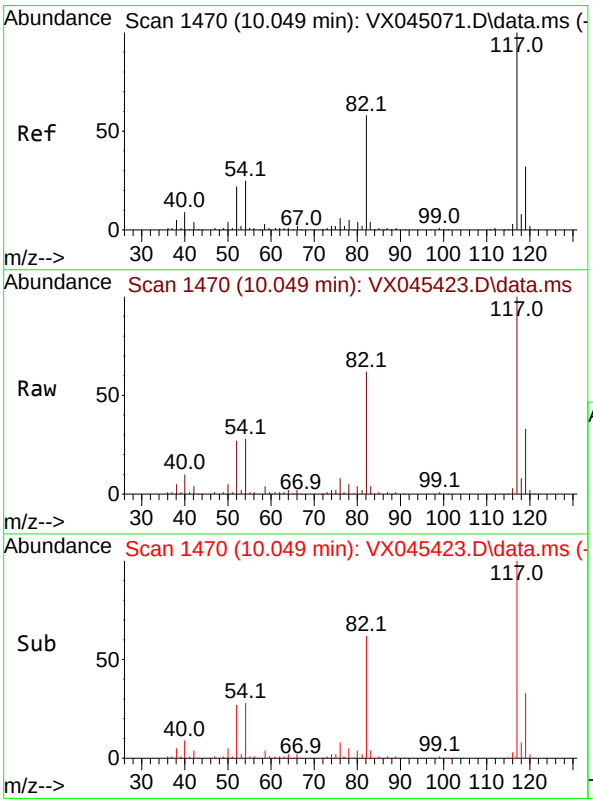
#62
4-Bromofluorobenzene
Concen: 50.389 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045423.D
Acq: 24 Mar 2025 18:23

Instrument :
MSVOA_X
ClientSampleId :
TT189D2-20250319

Tgt Ion: 95 Resp: 51170

Ion	Ratio	Lower	Upper
95	100		
174	70.0	0.0	148.2
176	67.9	0.0	141.4

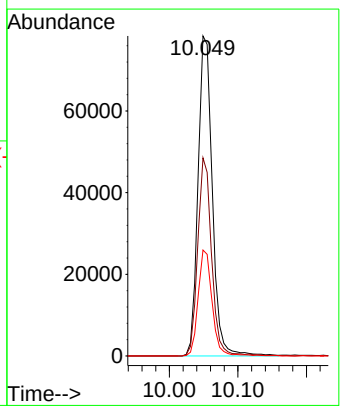


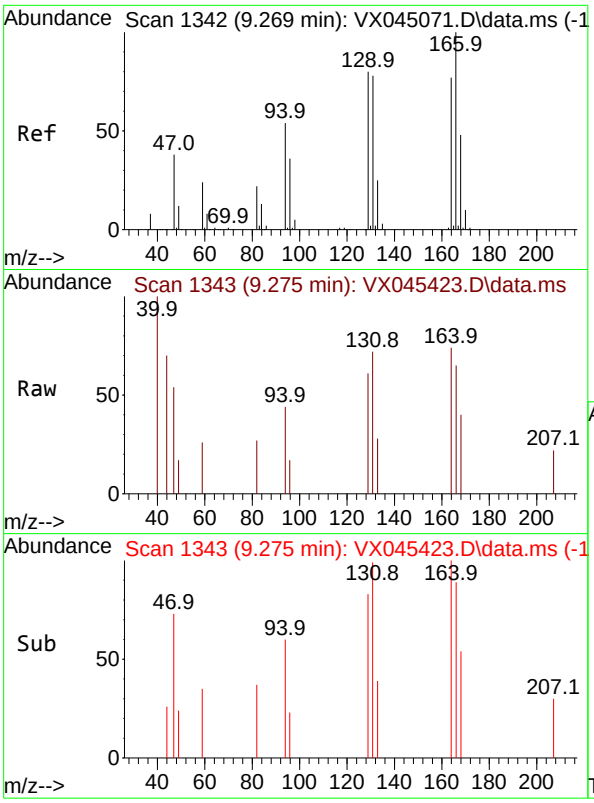


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX045423.D
Acq: 24 Mar 2025 18:23

Tgt Ion:117 Resp: 114275

Ion	Ratio	Lower	Upper
117	100		
82	61.9	46.3	69.5
119	33.1	25.7	38.5



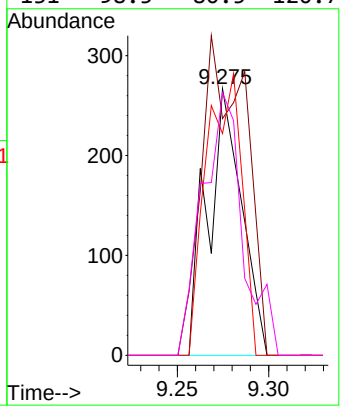


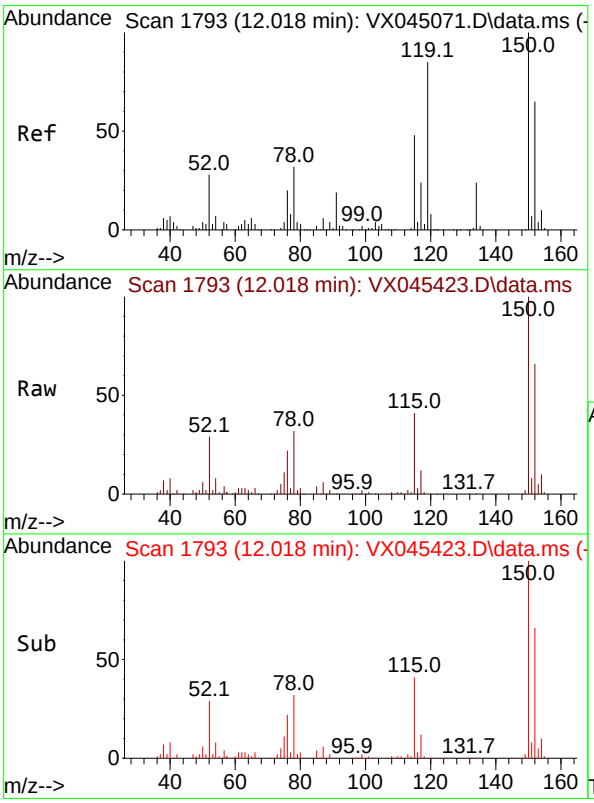
#64
Tetrachloroethene
Concen: 0.477 ug/l
RT: 9.275 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045423.D
Acq: 24 Mar 2025 18:23

Instrument :
MSVOA_X
ClientSampleId :
TT189D2-20250319

Tgt Ion:164 Resp: 349

Ion	Ratio	Lower	Upper
164	100		
166	88.8	103.6	155.4#
129	83.1	82.7	124.1
131	98.5	80.5	120.7

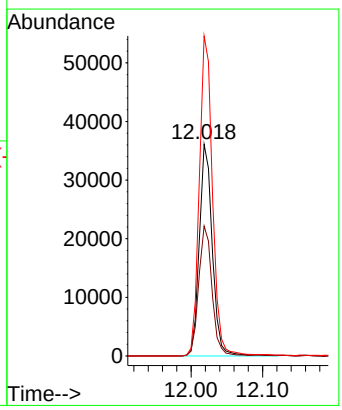




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045423.D
Acq: 24 Mar 2025 18:23

Tgt Ion:152 Resp: 45637

Ion	Ratio	Lower	Upper
152	100		
115	62.6	44.2	132.6
150	152.7	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:	03/19/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/19/25
Client Sample ID:	RW8-MW01S-20250319	SDG No.:	Q1608
Lab Sample ID:	Q1608-24	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
VX045424.D	1		03/24/25 18:46	VX032425

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	1.70		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:	03/19/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/19/25
Client Sample ID:	RW8-MW01S-20250319	SDG No.:	Q1608
Lab Sample ID:	Q1608-24	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
VX045424.D	1		03/24/25 18:46	VX032425

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	58.0		81 - 118		116%	SPK: 50
1868-53-7	Dibromofluoromethane	52.3		80 - 119		105%	SPK: 50
2037-26-5	Toluene-d8	50.6		89 - 112		101%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.1		85 - 114		106%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	67000	5.544				
540-36-3	1,4-Difluorobenzene	133000	6.757				
3114-55-4	Chlorobenzene-d5	124000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	50700	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:	03/19/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/19/25
Client Sample ID:	RW8-MW01S-20250319	SDG No.:	Q1608
Lab Sample ID:	Q1608-24	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
VX045424.D	1		03/24/25 18:46	VX032425

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\VX032425\
Data File : VX045424.D
Acq On : 24 Mar 2025 18:46
Operator : JC/MD
Sample : Q1608-24
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RW8-MW01S-20250319

Quant Time: Mar 25 01:39:27 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

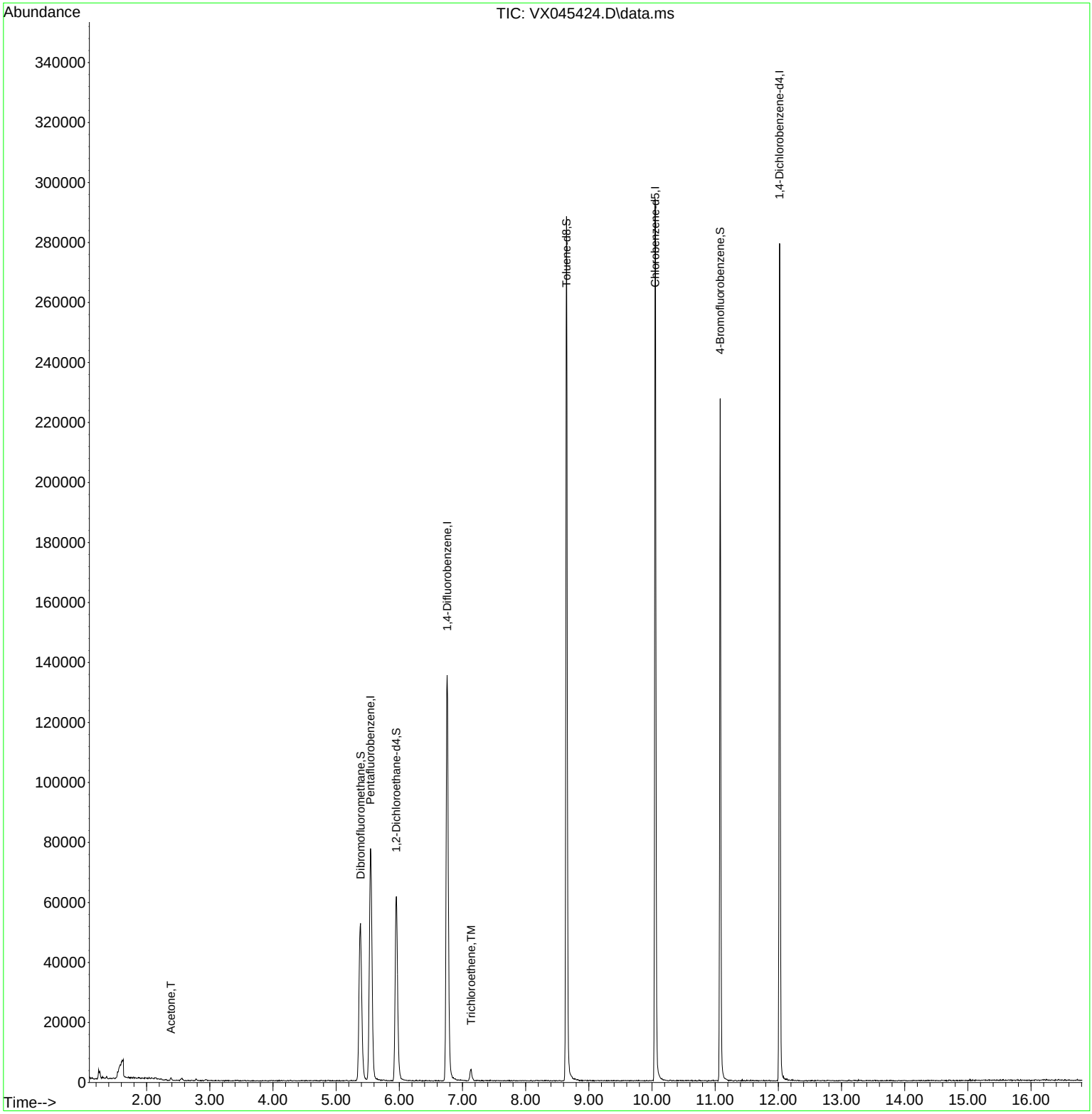
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	67003	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	132767	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	123522	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	50743	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	61799	57.985	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 115.960%			
35) Dibromofluoromethane	5.385	113	46424	52.292	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.580%			
50) Toluene-d8	8.647	98	162777	50.575	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.160%			
62) 4-Bromofluorobenzene	11.079	95	56684	53.149	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 106.300%			
Target Compounds						Qvalue
16) Acetone	2.386	43	862	1.743	ug/l	100
44) Trichloroethene	7.135	130	1532	1.697	ug/l	74

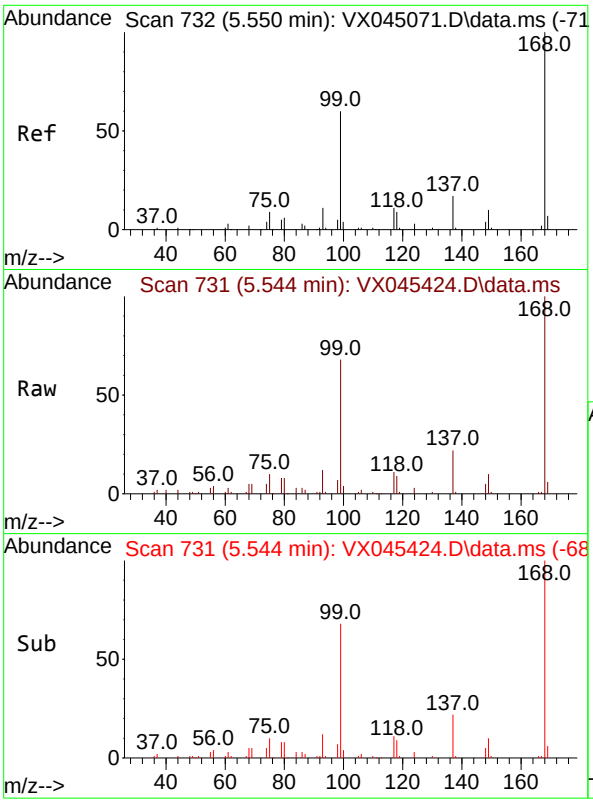
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032425\
Data File : VX045424.D
Acq On : 24 Mar 2025 18:46
Operator : JC/MD
Sample : Q1608-24
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RW8-MW01S-20250319

Quant Time: Mar 25 01:39:27 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



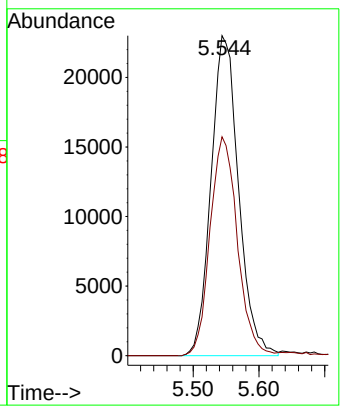


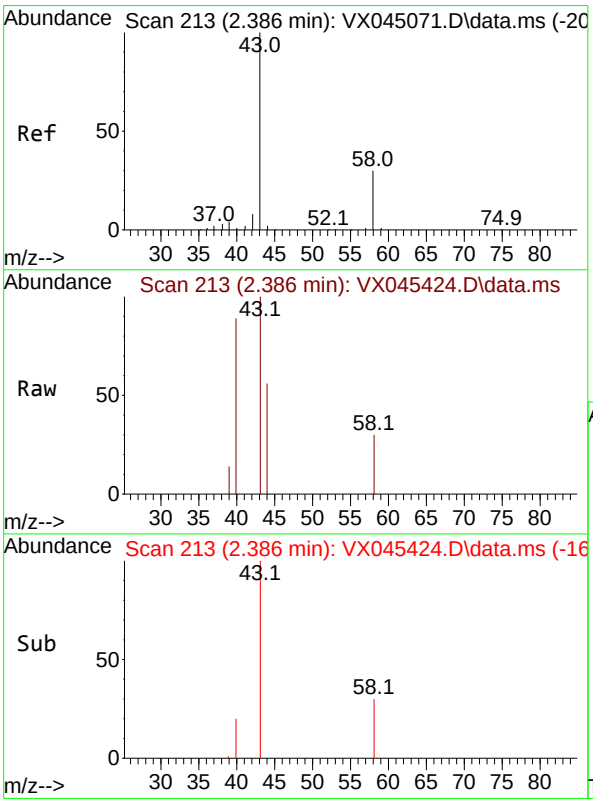
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045424.D
Acq: 24 Mar 2025 18:46

Instrument :
MSVOA_X
ClientSampleId :
RW8-MW01S-20250319

Tgt Ion:168 Resp: 67003

Ion	Ratio	Lower	Upper
168	100		
99	68.4	48.2	72.4

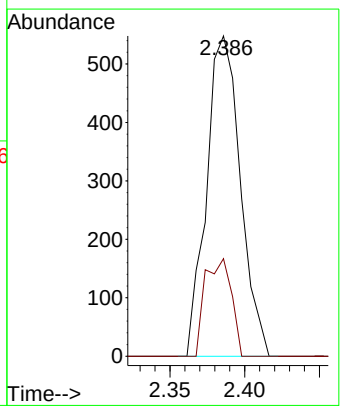


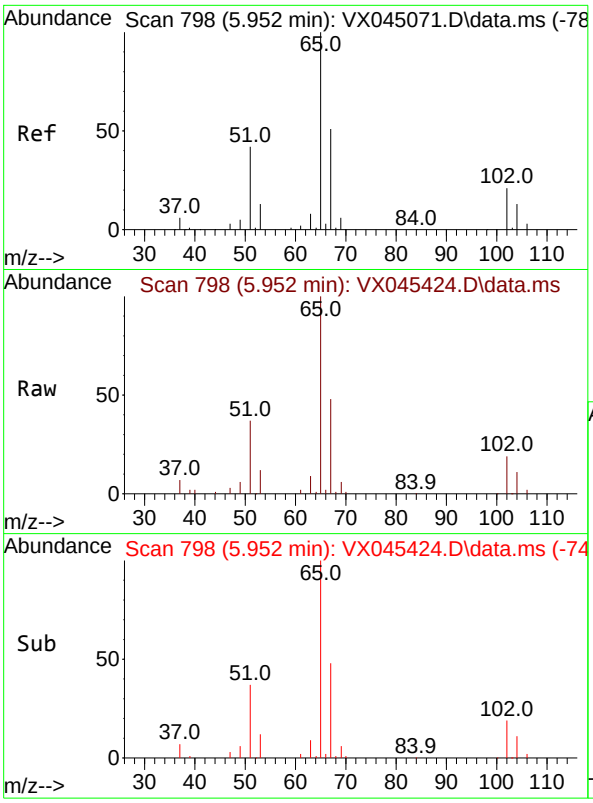


#16
Acetone
Concen: 1.743 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX045424.D
Acq: 24 Mar 2025 18:46

Tgt Ion: 43 Resp: 862

Ion	Ratio	Lower	Upper
43	100		
58	30.5	24.2	36.4



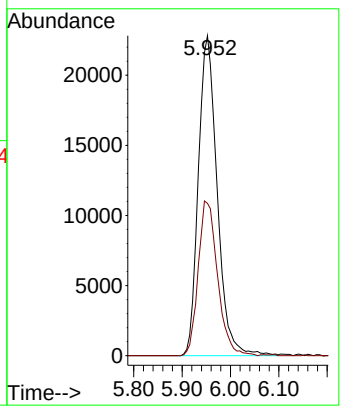


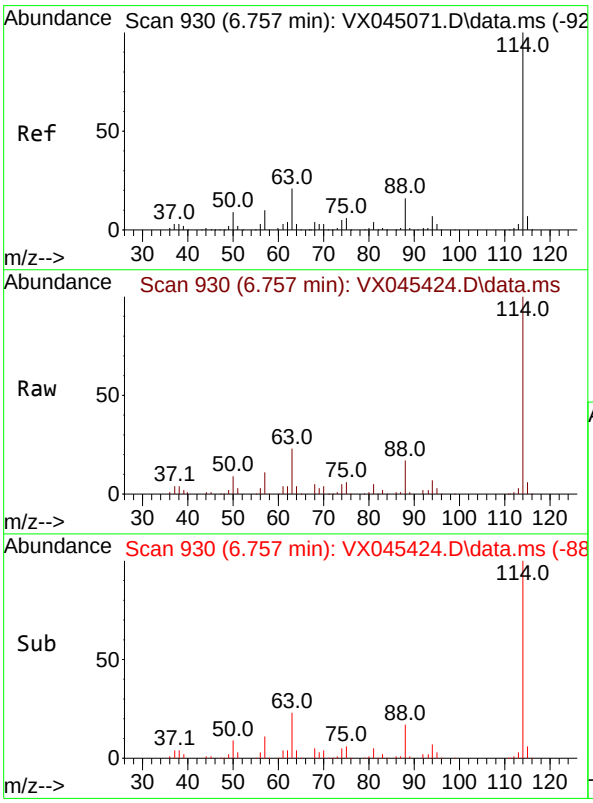
#33
1,2-Dichloroethane-d4
Concen: 57.985 ug/l
RT: 5.952 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX045424.D
Acq: 24 Mar 2025 18:46

Instrument :
MSVOA_X
ClientSampleId :
RW8-MW01S-20250319

Tgt Ion: 65 Resp: 61799

Ion	Ratio	Lower	Upper
65	100		
67	49.7	0.0	106.2

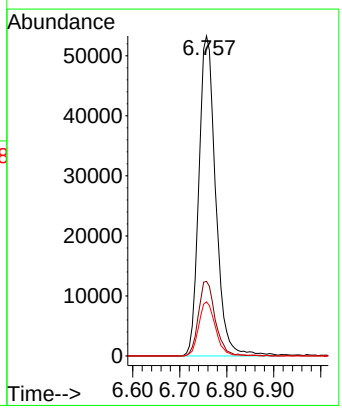


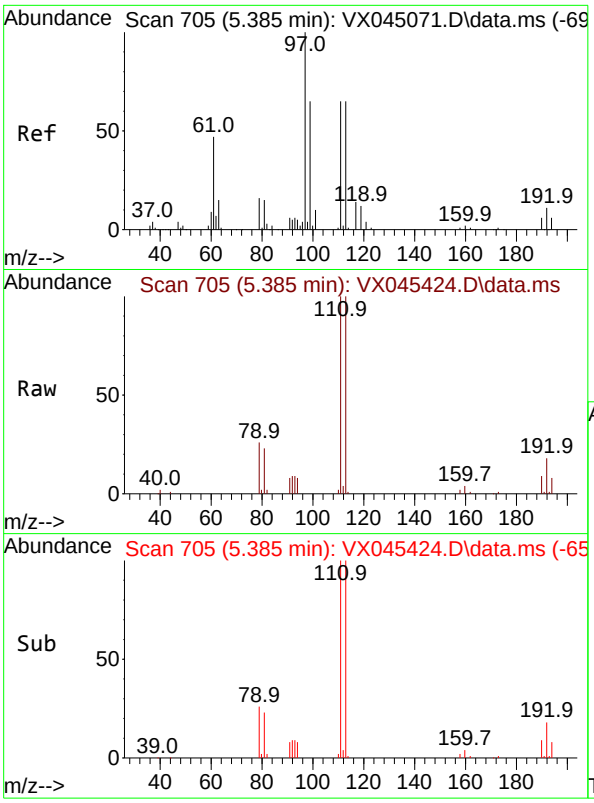


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX045424.D
Acq: 24 Mar 2025 18:46

Tgt Ion:114 Resp: 132767

Ion	Ratio	Lower	Upper
114	100		
63	23.3	0.0	41.8
88	16.9	0.0	32.8



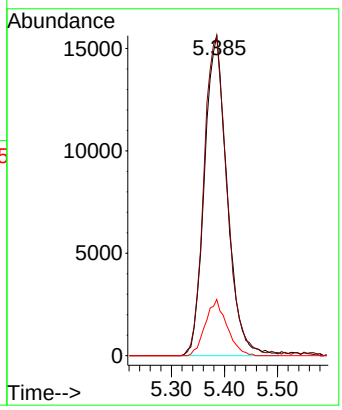


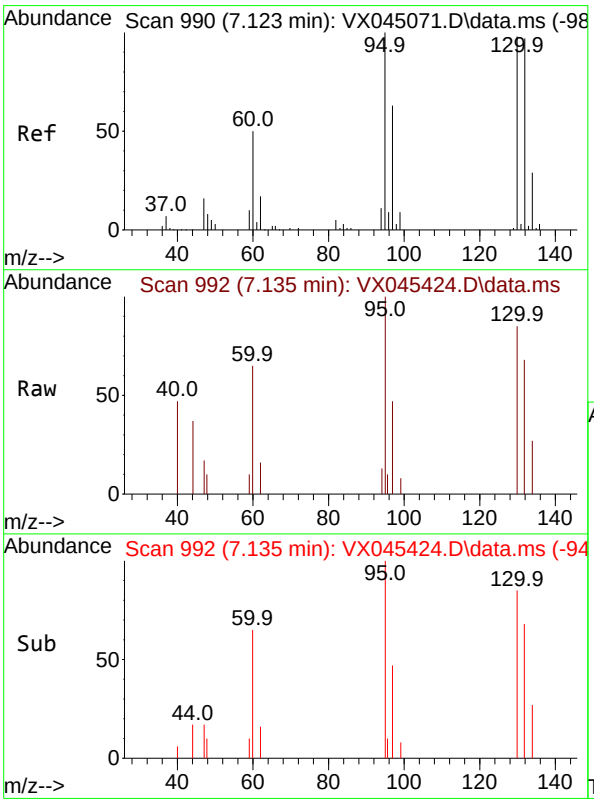
#35
Dibromofluoromethane
Concen: 52.292 ug/l
RT: 5.385 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX045424.D
Acq: 24 Mar 2025 18:46

Instrument :
MSVOA_X
ClientSampleId :
RW8-MW01S-20250319

Tgt Ion:113 Resp: 46424

Ion	Ratio	Lower	Upper
113	100		
111	101.4	81.8	122.6
192	16.7	14.3	21.5

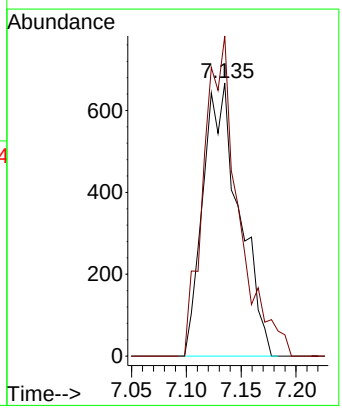


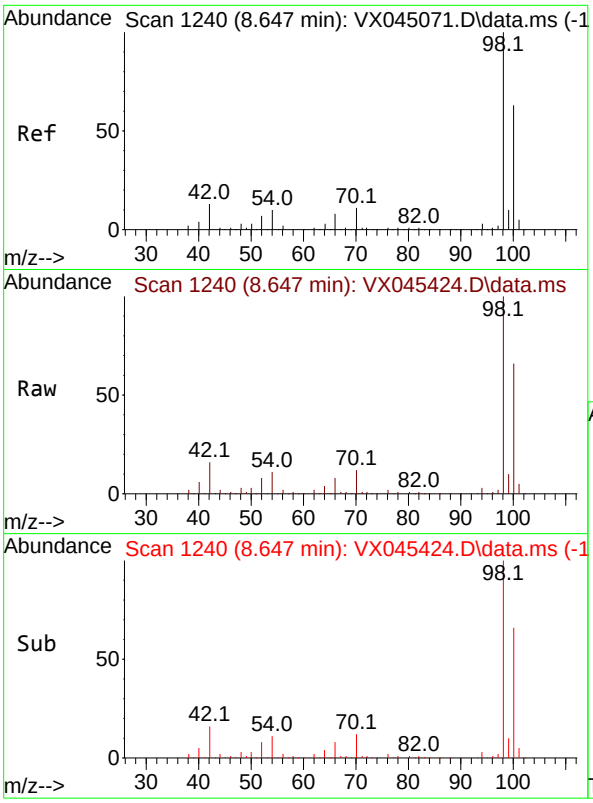


#44
Trichloroethene
Concen: 1.697 ug/l
RT: 7.135 min Scan# 992
Delta R.T. 0.012 min
Lab File: VX045424.D
Acq: 24 Mar 2025 18:46

Tgt Ion:130 Resp: 1532

Ion	Ratio	Lower	Upper
130	100		
95	128.8	0.0	205.0



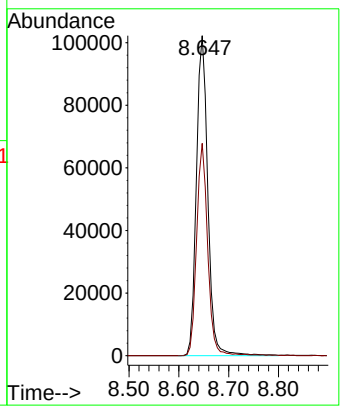


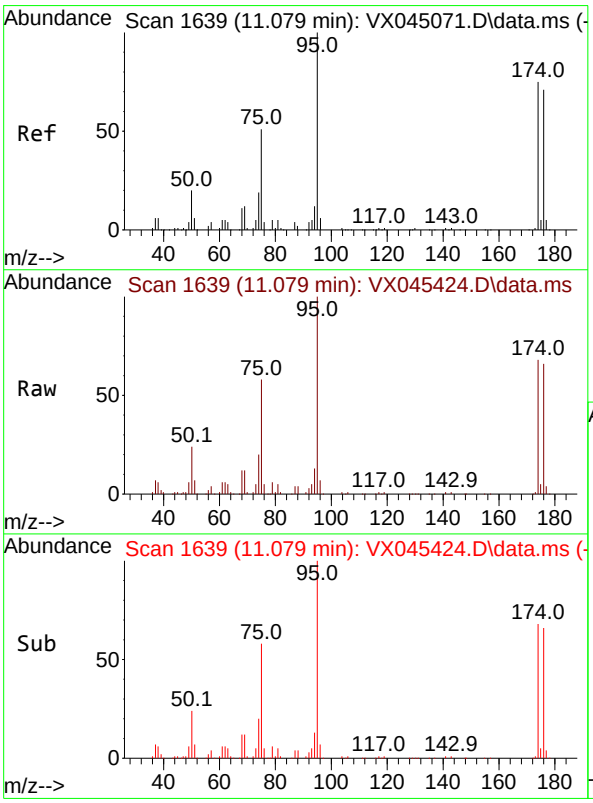
#50
Toluene-d8
Concen: 50.575 ug/l
RT: 8.647 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045424.D
Acq: 24 Mar 2025 18:46

Instrument :
MSVOA_X
ClientSampleId :
RW8-MW01S-20250319

Tgt Ion: 98 Resp: 162777

Ion	Ratio	Lower	Upper
98	100		
100	63.9	52.0	78.0

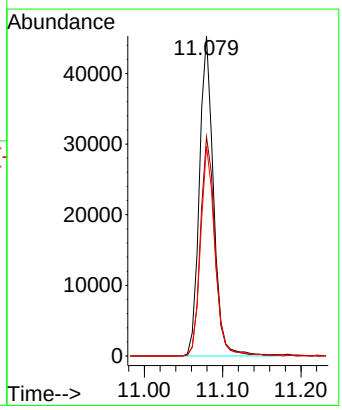


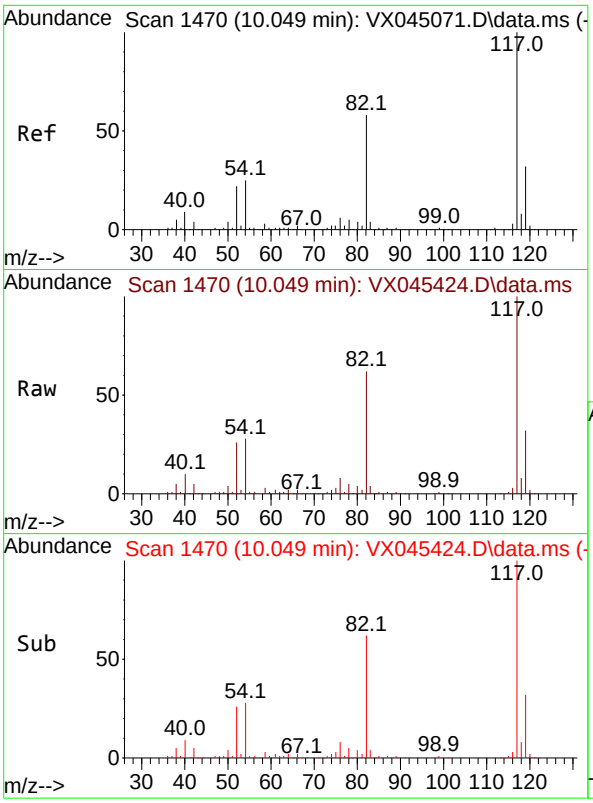


#62
4-Bromofluorobenzene
Concen: 53.149 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX045424.D
Acq: 24 Mar 2025 18:46

Tgt Ion: 95 Resp: 56684

Ion	Ratio	Lower	Upper
95	100		
174	70.1	0.0	148.2
176	66.9	0.0	141.4



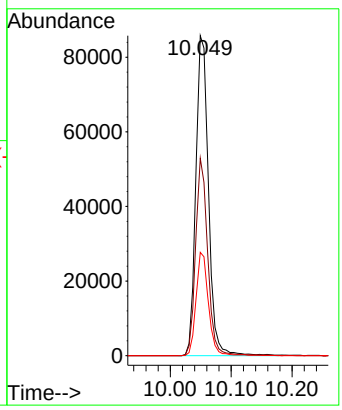


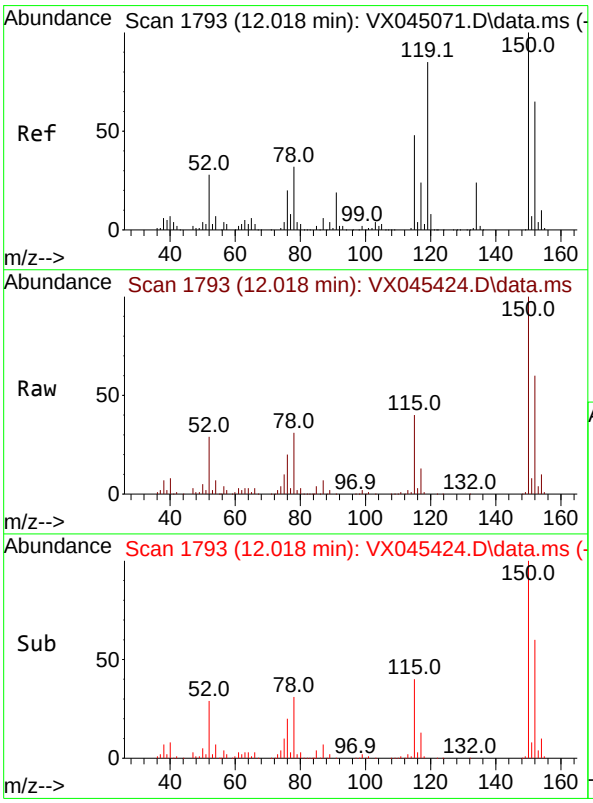
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045424.D
Acq: 24 Mar 2025 18:46

Instrument :
MSVOA_X
ClientSampleId :
RW8-MW01S-20250319

Tgt Ion:117 Resp: 123522

Ion	Ratio	Lower	Upper
117	100		
82	61.7	46.3	69.5
119	32.3	25.7	38.5

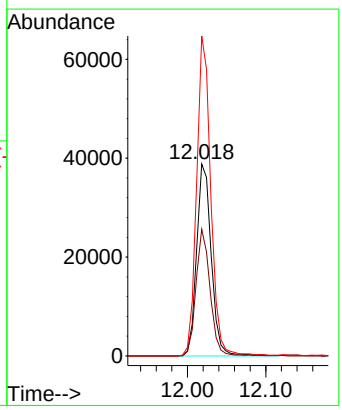




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX045424.D
Acq: 24 Mar 2025 18:46

Tgt Ion:152 Resp: 50743

Ion	Ratio	Lower	Upper
152	100		
115	63.4	44.2	132.6
150	160.4	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:	03/19/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/19/25
Client Sample ID:	RW8-MW01D1-20250319	SDG No.:	Q1608
Lab Sample ID:	Q1608-25	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
VX045425.D	1		03/24/25 19:10	VX032425

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	2.10	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	1.10		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:	03/19/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/19/25
Client Sample ID:	RW8-MW01D1-20250319	SDG No.:	Q1608
Lab Sample ID:	Q1608-25	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
VX045425.D	1		03/24/25 19:10	VX032425

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	54.3		81 - 118		109%	SPK: 50
1868-53-7	Dibromofluoromethane	51.7		80 - 119		103%	SPK: 50
2037-26-5	Toluene-d8	48.2		89 - 112		96%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.2		85 - 114		96%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	73400	5.55				
540-36-3	1,4-Difluorobenzene	140000	6.757				
3114-55-4	Chlorobenzene-d5	123000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	49500	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:	03/19/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/19/25
Client Sample ID:	RW8-MW01D1-20250319	SDG No.:	Q1608
Lab Sample ID:	Q1608-25	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
VX045425.D	1		03/24/25 19:10	VX032425

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\VX032425\
Data File : VX045425.D
Acq On : 24 Mar 2025 19:10
Operator : JC/MD
Sample : Q1608-25
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RW8-MW01D1-20250319

Quant Time: Mar 25 01:39:50 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

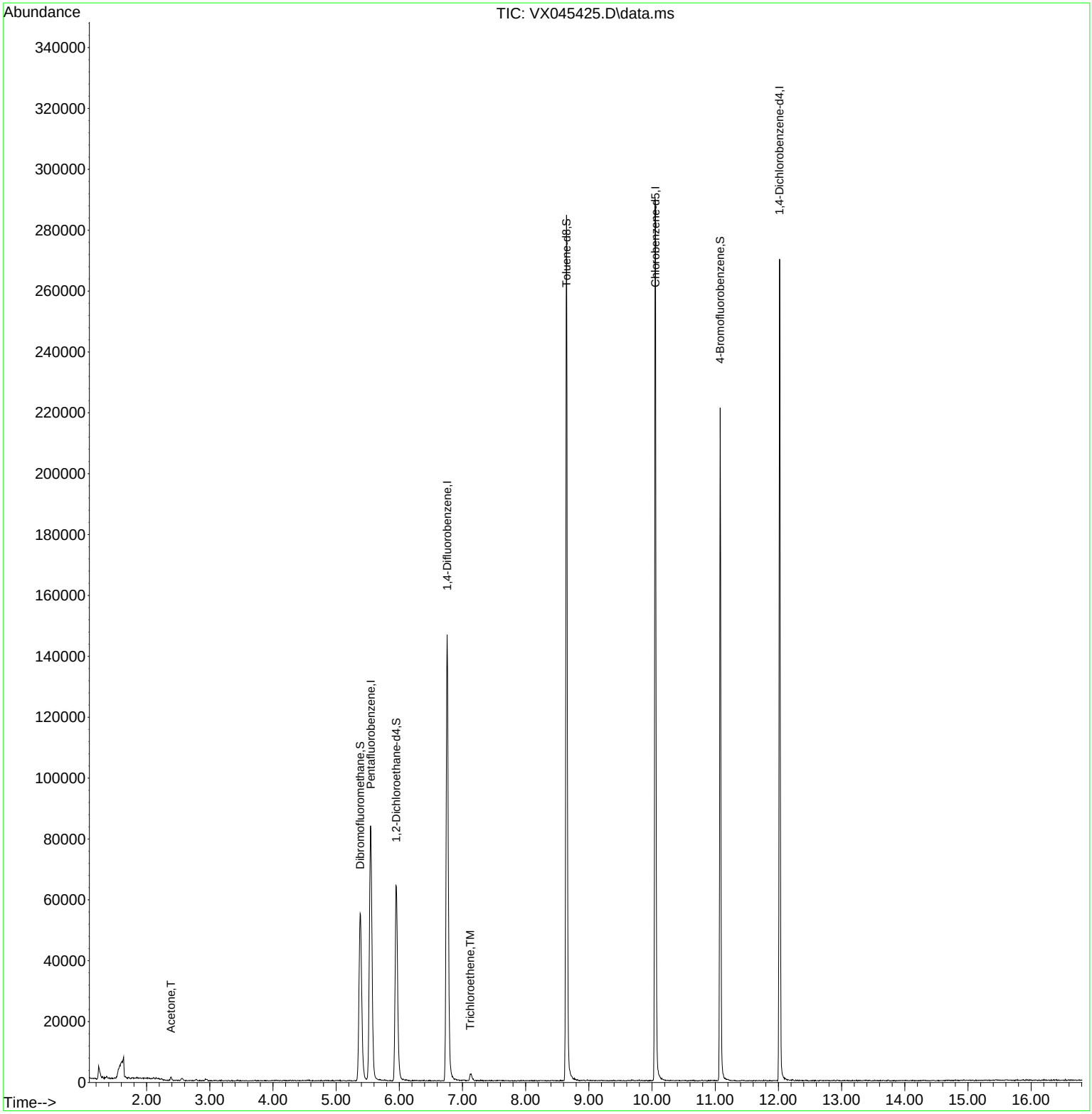
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	73419	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	139770	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	122679	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	49536	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	63372	54.264	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 108.520%			
35) Dibromofluoromethane	5.379	113	48353	51.736	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.480%			
50) Toluene-d8	8.647	98	163194	48.164	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 96.320%			
62) 4-Bromofluorobenzene	11.079	95	54076	48.163	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 96.320%			
Target Compounds						Qvalue
16) Acetone	2.386	43	1156	2.133	ug/l	95
44) Trichloroethene	7.123	130	1075	1.131	ug/l	95

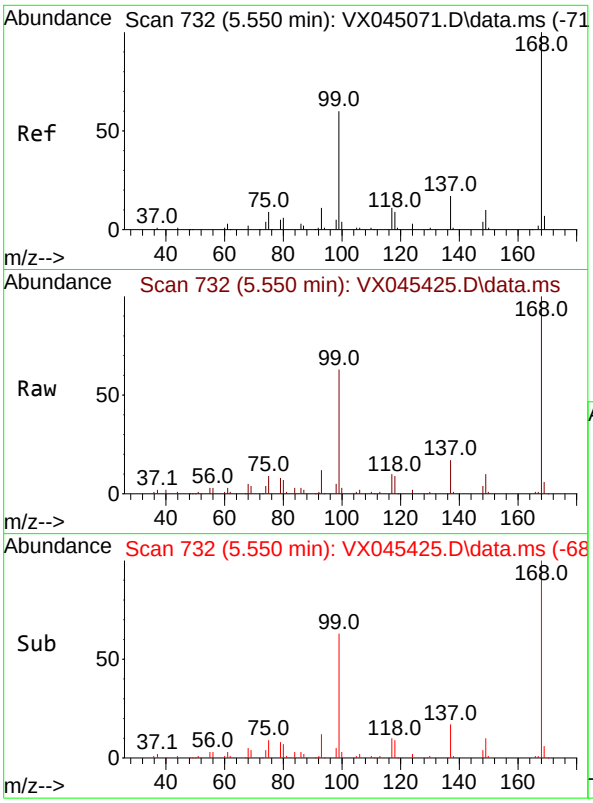
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032425\
Data File : VX045425.D
Acq On : 24 Mar 2025 19:10
Operator : JC/MD
Sample : Q1608-25
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RW8-MW01D1-20250319

Quant Time: Mar 25 01:39:50 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



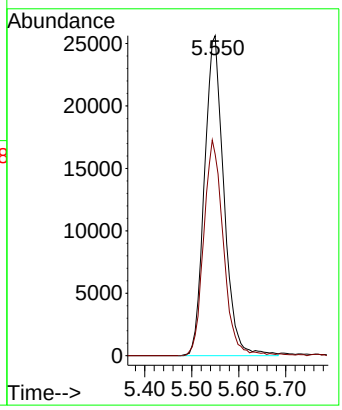


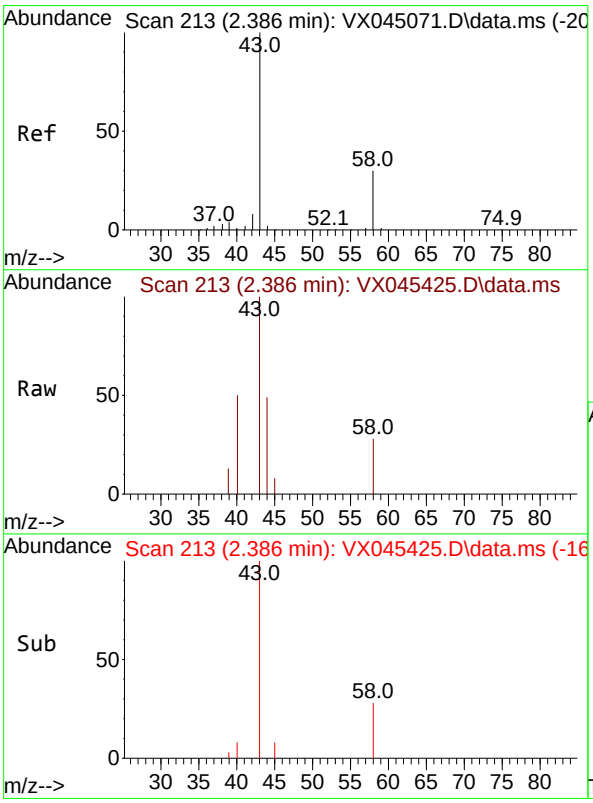
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045425.D
Acq: 24 Mar 2025 19:10

Instrument :
MSVOA_X
ClientSampleId :
RW8-MW01D1-20250319

Tgt Ion:168 Resp: 73419

Ion	Ratio	Lower	Upper
168	100		
99	62.9	48.2	72.4

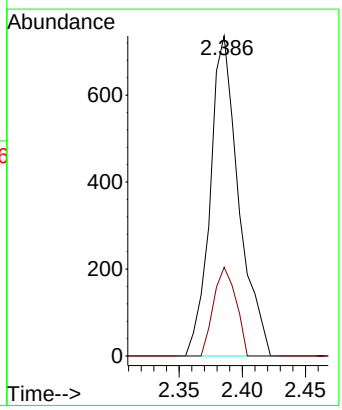


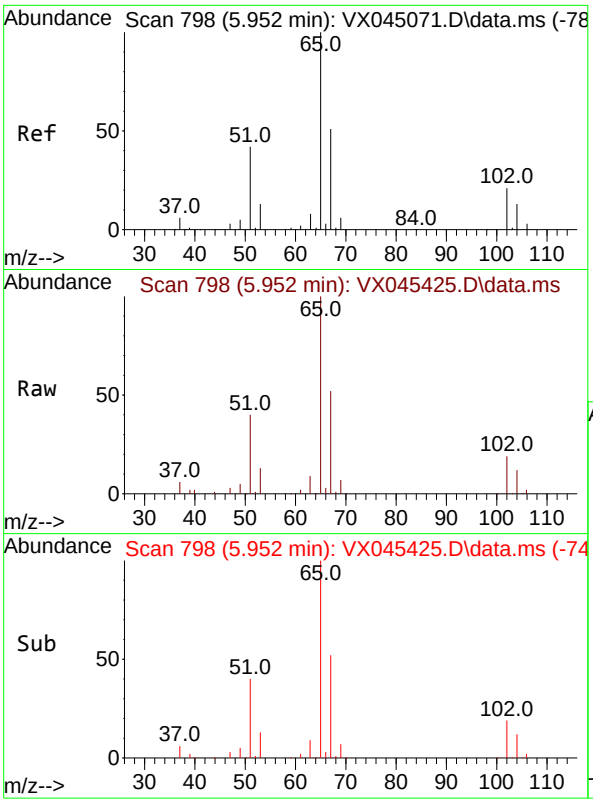


#16
Acetone
Concen: 2.133 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX045425.D
Acq: 24 Mar 2025 19:10

Tgt Ion: 43 Resp: 1156

Ion	Ratio	Lower	Upper
43	100		
58	27.7	24.2	36.4



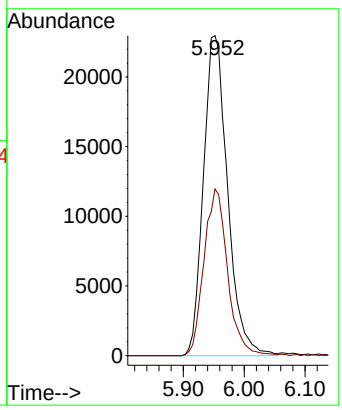


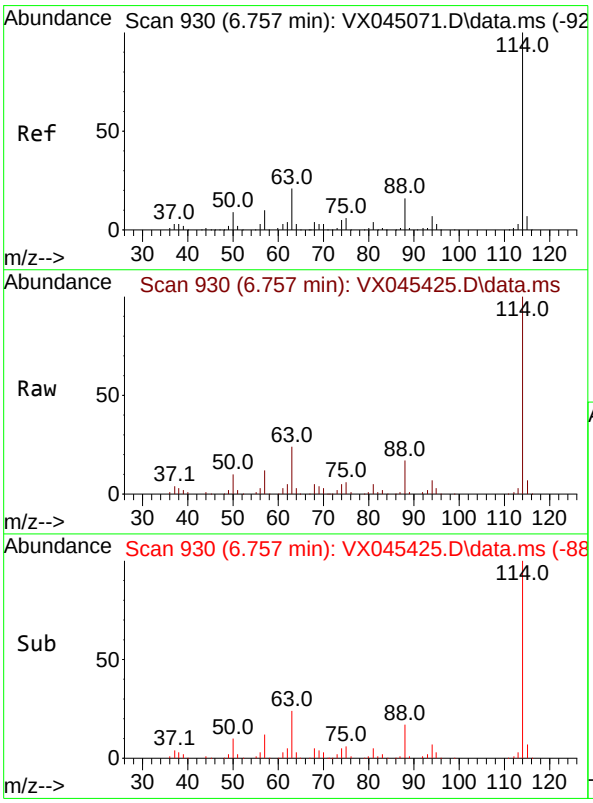
#33
1,2-Dichloroethane-d4
Concen: 54.264 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045425.D
Acq: 24 Mar 2025 19:10

Instrument :
MSVOA_X
ClientSampleId :
RW8-MW01D1-20250319

Tgt Ion: 65 Resp: 63372

Ion	Ratio	Lower	Upper
65	100		
67	51.0	0.0	106.2

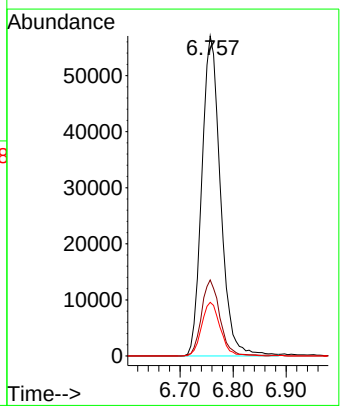


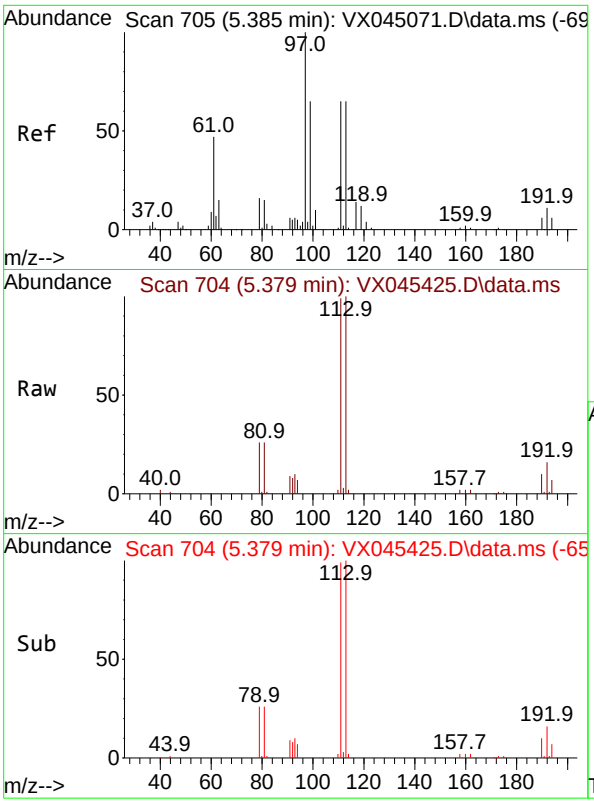


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX045425.D
Acq: 24 Mar 2025 19:10

Tgt Ion:114 Resp: 139770

Ion	Ratio	Lower	Upper
114	100		
63	23.8	0.0	41.8
88	16.8	0.0	32.8



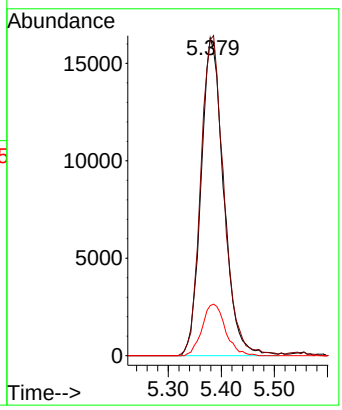


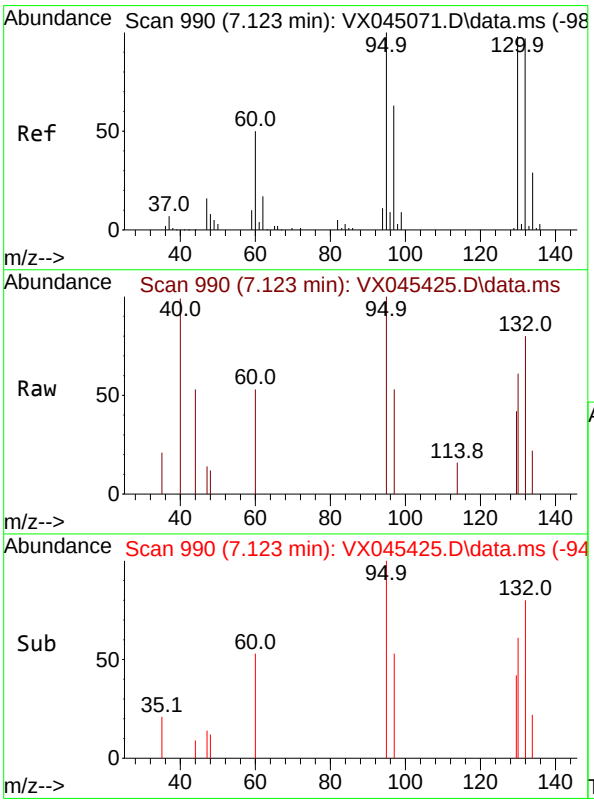
#35
Dibromofluoromethane
Concen: 51.736 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045425.D
Acq: 24 Mar 2025 19:10

Instrument :
MSVOA_X
ClientSampleId :
RW8-MW01D1-20250319

Tgt Ion:113 Resp: 48353

Ion	Ratio	Lower	Upper
113	100		
111	102.8	81.8	122.6
192	16.7	14.3	21.5

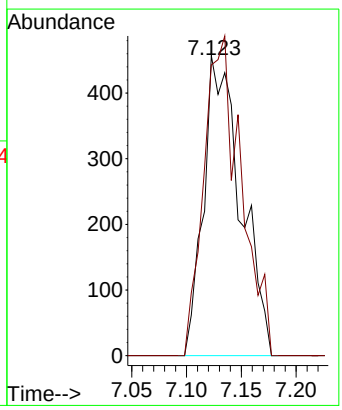


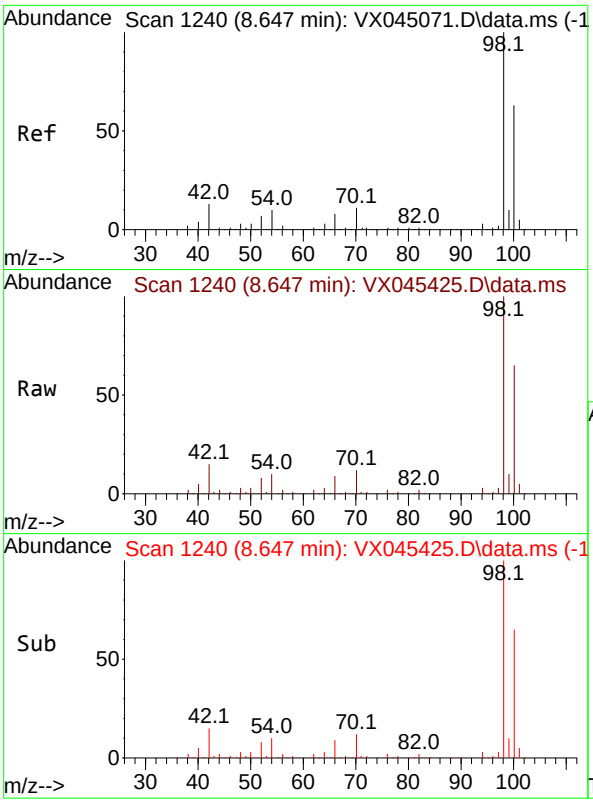


#44
Trichloroethene
Concen: 1.131 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX045425.D
Acq: 24 Mar 2025 19:10

Tgt Ion:130 Resp: 1075

Ion	Ratio	Lower	Upper
130	100		
95	96.9	0.0	205.0



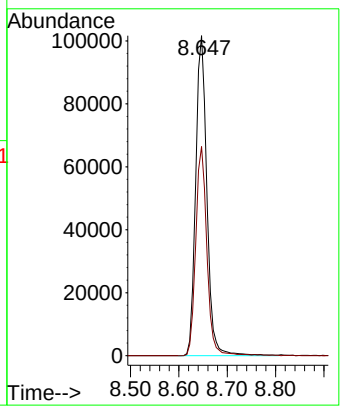


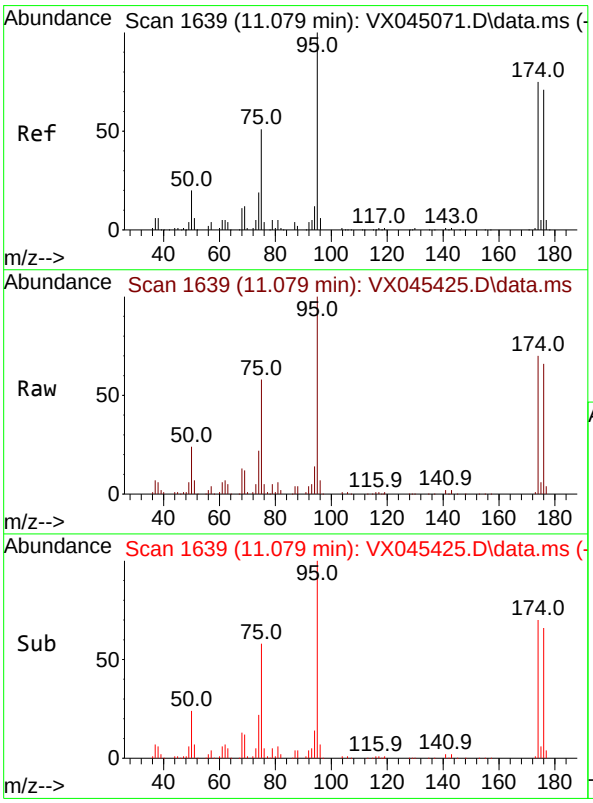
#50
Toluene-d8
Concen: 48.164 ug/l
RT: 8.647 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045425.D
Acq: 24 Mar 2025 19:10

Instrument :
MSVOA_X
ClientSampleId :
RW8-MW01D1-20250319

Tgt Ion: 98 Resp: 163194

Ion	Ratio	Lower	Upper
98	100		
100	65.2	52.0	78.0

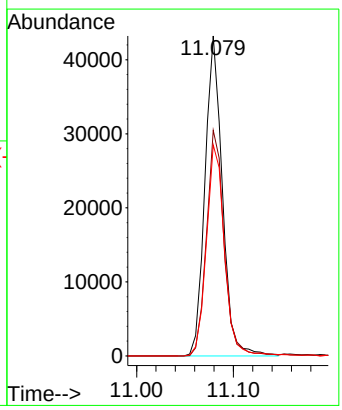


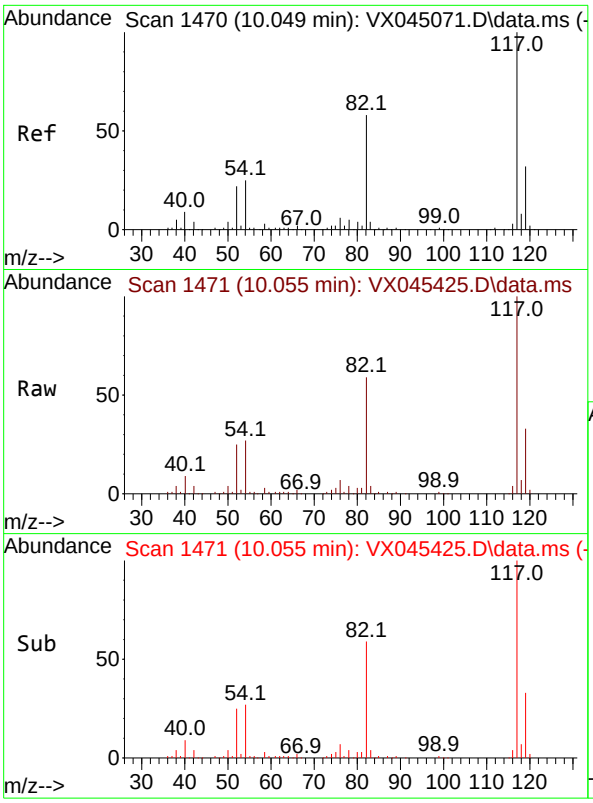


#62
4-Bromofluorobenzene
Concen: 48.163 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045425.D
Acq: 24 Mar 2025 19:10

Tgt Ion: 95 Resp: 54076

Ion	Ratio	Lower	Upper
95	100		
174	71.2	0.0	148.2
176	69.0	0.0	141.4



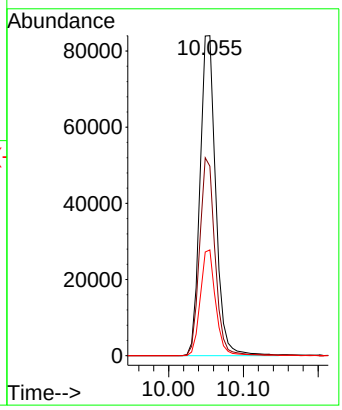


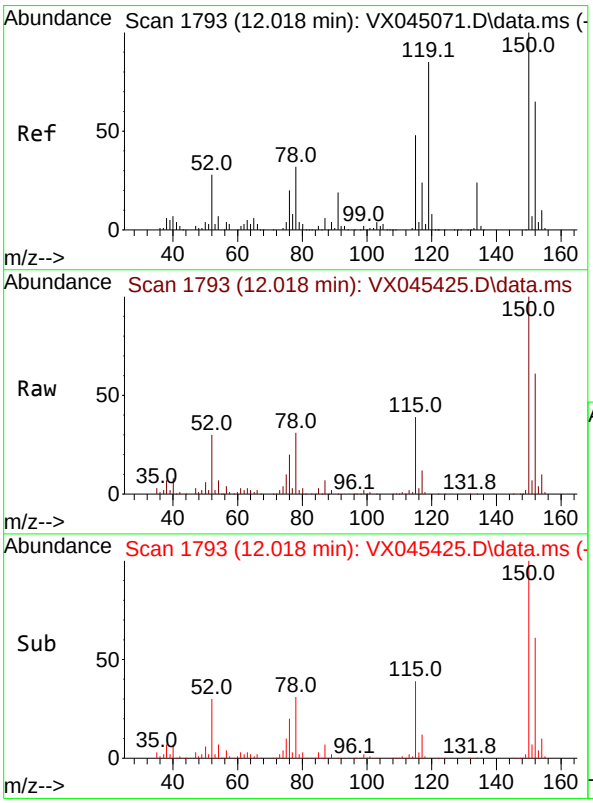
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX045425.D
Acq: 24 Mar 2025 19:10

Instrument :
MSVOA_X
ClientSampleId :
RW8-MW01D1-20250319

Tgt Ion:117 Resp: 122679

Ion	Ratio	Lower	Upper
117	100		
82	59.2	46.3	69.5
119	33.0	25.7	38.5

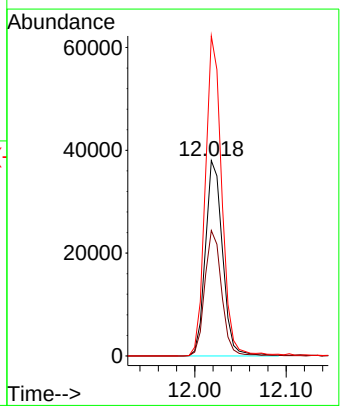




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045425.D
Acq: 24 Mar 2025 19:10

Tgt Ion:152 Resp: 49536

Ion	Ratio	Lower	Upper
152	100		
115	63.3	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:	03/19/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/19/25
Client Sample ID:	RW8-MW01D2-20250319	SDG No.:	Q1608
Lab Sample ID:	Q1608-26	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
VX045426.D	1		03/24/25 19:33	VX032425

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	1.80	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	0.71	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

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	03/19/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/19/25
Client Sample ID:	RW8-MW01D2-20250319	SDG No.:	Q1608
Lab Sample ID:	Q1608-26	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
VX045426.D	1		03/24/25 19:33	VX032425

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	55.1		81 - 118		110%	SPK: 50
1868-53-7	Dibromofluoromethane	51.2		80 - 119		102%	SPK: 50
2037-26-5	Toluene-d8	48.8		89 - 112		98%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.0		85 - 114		102%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	78100	5.55				
540-36-3	1,4-Difluorobenzene	151000	6.757				
3114-55-4	Chlorobenzene-d5	136000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	56800	12.018				

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Fax : 908 789 8922

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	03/19/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/19/25
Client Sample ID:	RW8-MW01D2-20250319	SDG No.:	Q1608
Lab Sample ID:	Q1608-26	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
VX045426.D	1		03/24/25 19:33	VX032425

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\VX032425\
Data File : VX045426.D
Acq On : 24 Mar 2025 19:33
Operator : JC/MD
Sample : Q1608-26
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RW8-MW01D2-20250319

Quant Time: Mar 25 01:40:15 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

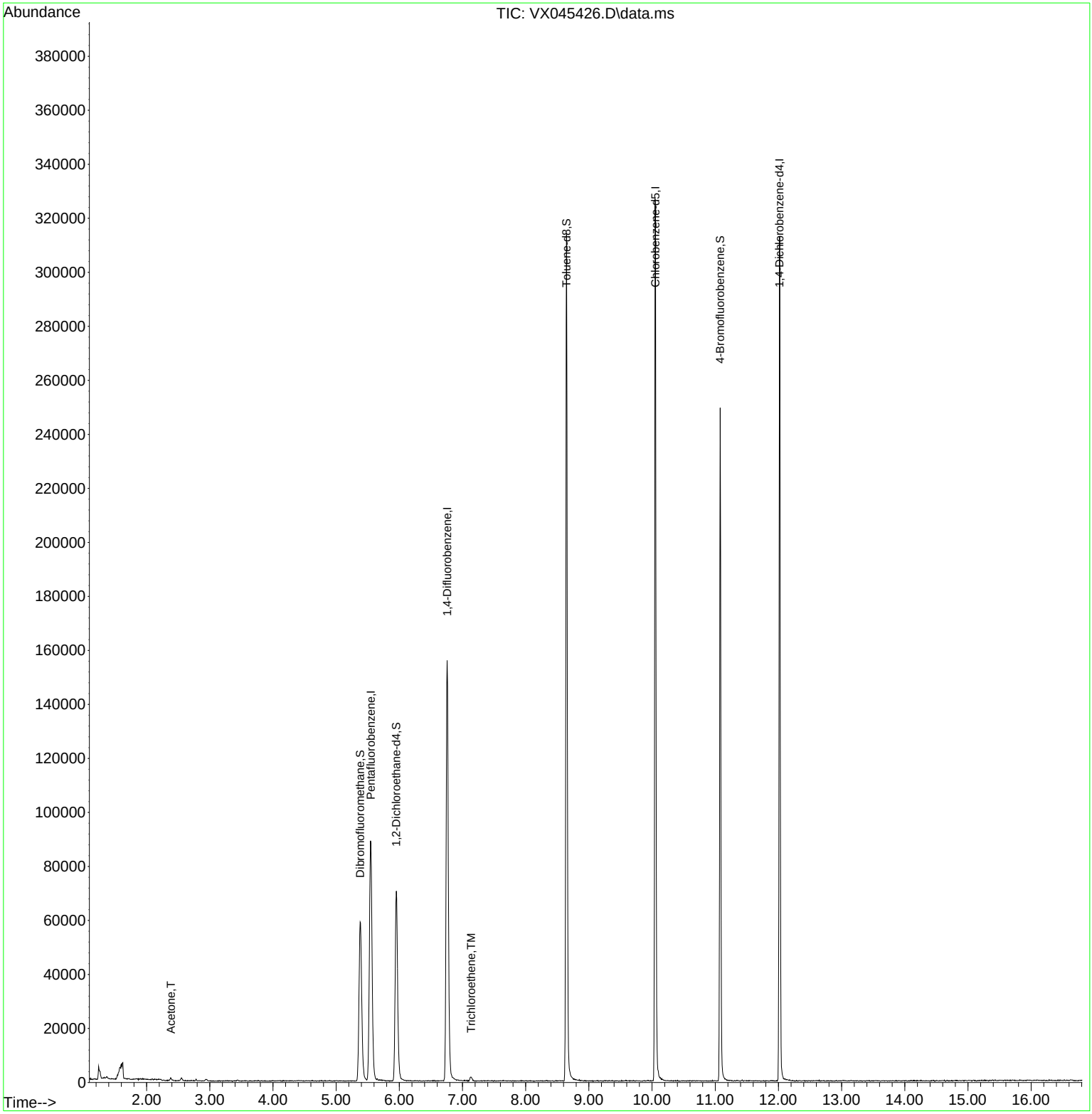
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	78092	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	151034	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	136081	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	56752	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	68436	55.094	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 110.180%			
35) Dibromofluoromethane	5.379	113	51691	51.183	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.360%			
50) Toluene-d8	8.647	98	178728	48.815	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 97.640%			
62) 4-Bromofluorobenzene	11.079	95	61912	51.030	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 102.060%			
Target Compounds						Qvalue
16) Acetone	2.386	43	1045	1.813	ug/l	92
44) Trichloroethene	7.135	130	733	0.714	ug/l	98

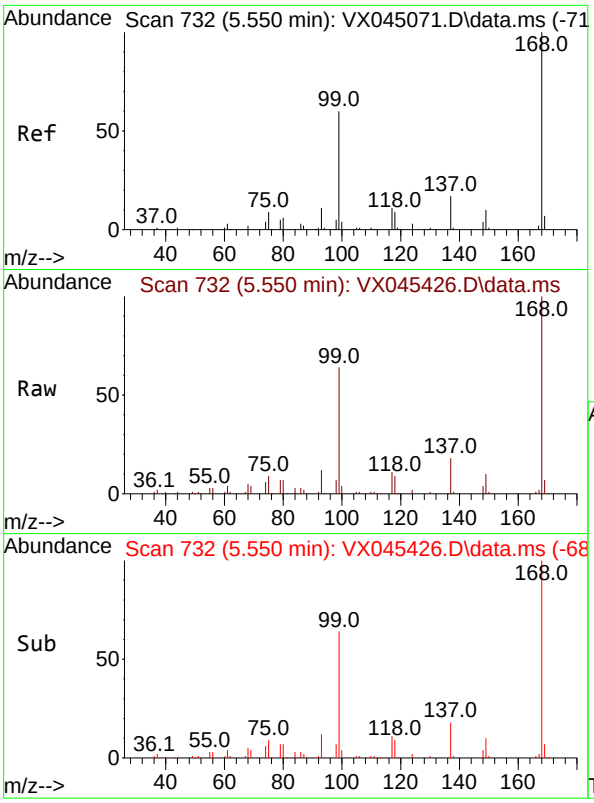
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032425\
Data File : VX045426.D
Acq On : 24 Mar 2025 19:33
Operator : JC/MD
Sample : Q1608-26
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RW8-MW01D2-20250319

Quant Time: Mar 25 01:40:15 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



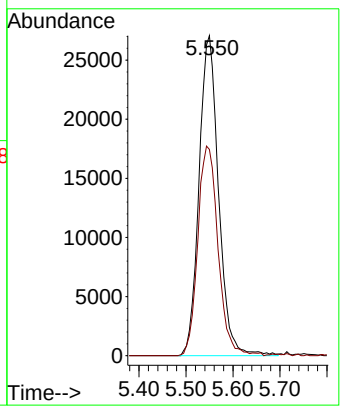


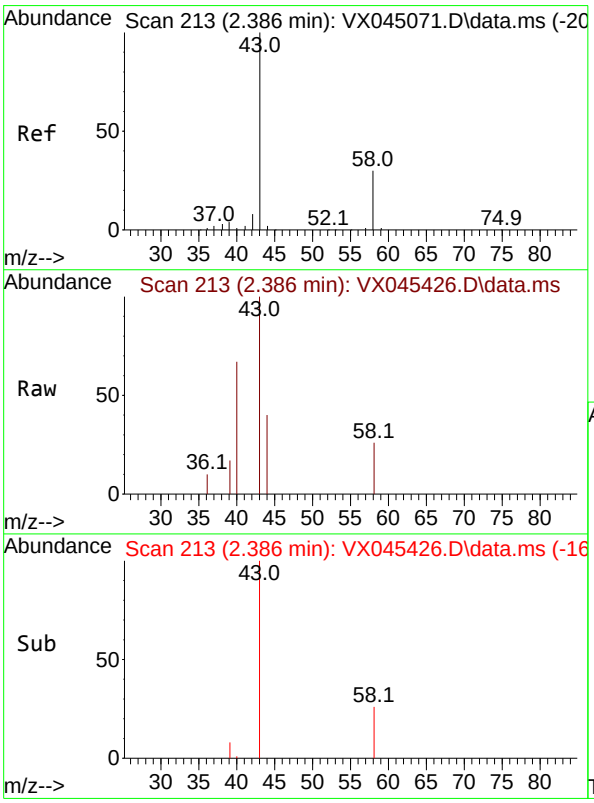
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045426.D
Acq: 24 Mar 2025 19:33

Instrument :
MSVOA_X
ClientSampleId :
RW8-MW01D2-20250319

Tgt Ion:168 Resp: 78092

Ion	Ratio	Lower	Upper
168	100		
99	64.5	48.2	72.4

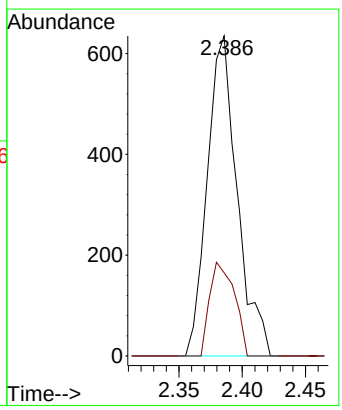


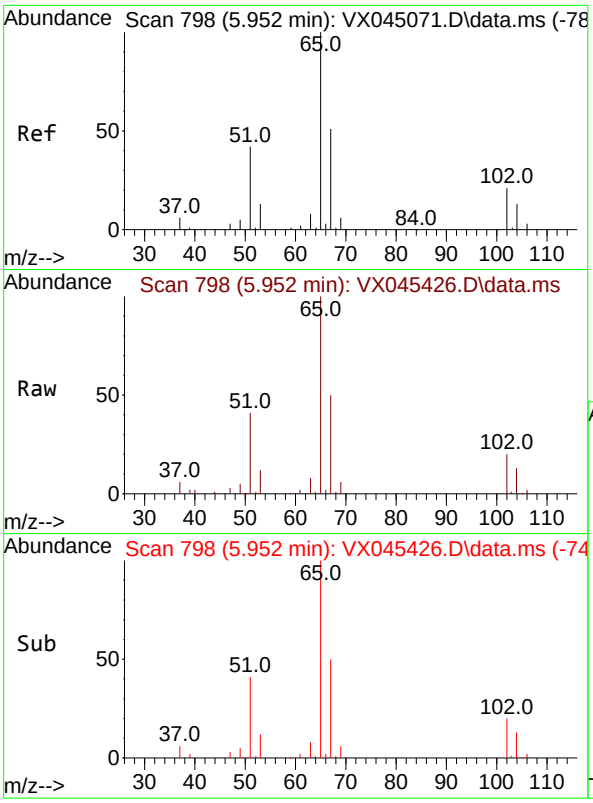


#16
Acetone
Concen: 1.813 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX045426.D
Acq: 24 Mar 2025 19:33

Tgt Ion: 43 Resp: 1045

Ion	Ratio	Lower	Upper
43	100		
58	26.0	24.2	36.4



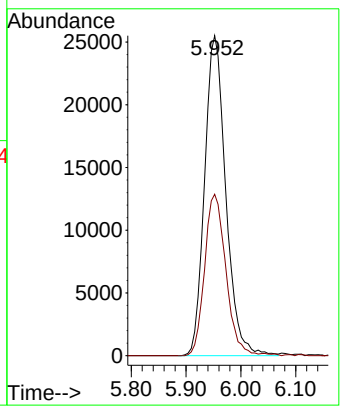


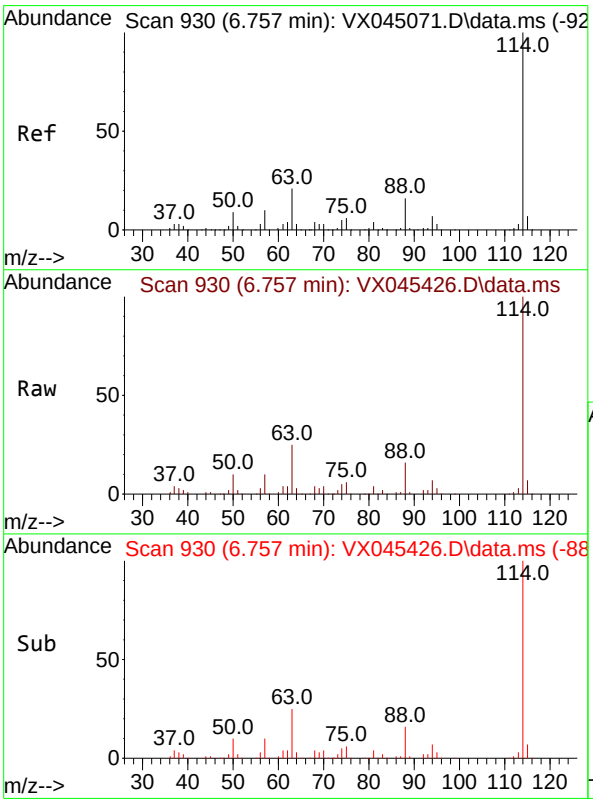
#33
1,2-Dichloroethane-d4
Concen: 55.094 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045426.D
Acq: 24 Mar 2025 19:33

Instrument :
MSVOA_X
ClientSampleId :
RW8-MW01D2-20250319

Tgt Ion: 65 Resp: 68436

Ion	Ratio	Lower	Upper
65	100		
67	50.8	0.0	106.2

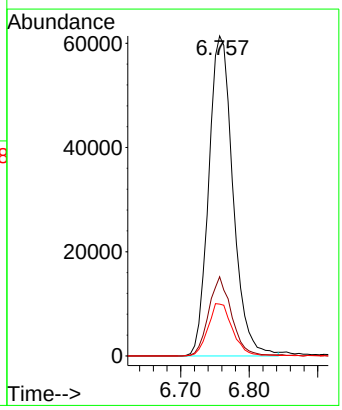


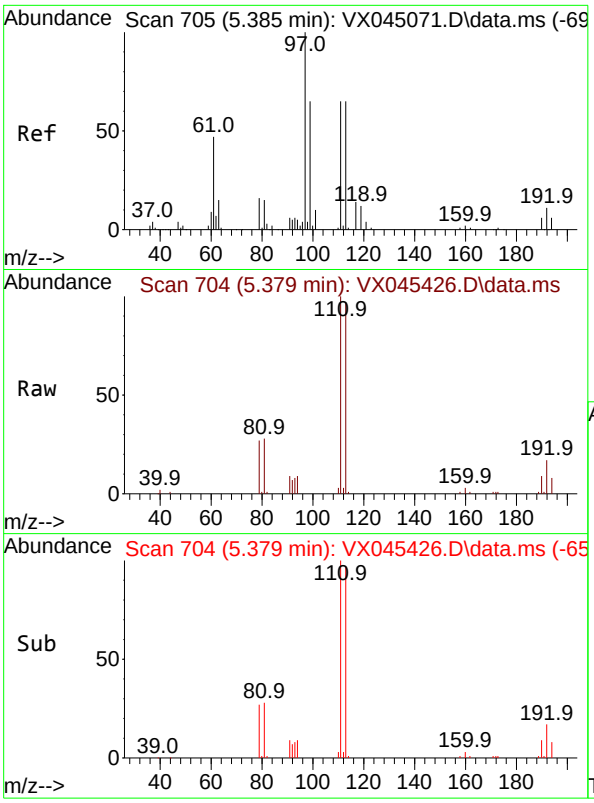


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX045426.D
Acq: 24 Mar 2025 19:33

Tgt Ion:114 Resp: 151034

Ion	Ratio	Lower	Upper
114	100		
63	24.7	0.0	41.8
88	16.2	0.0	32.8



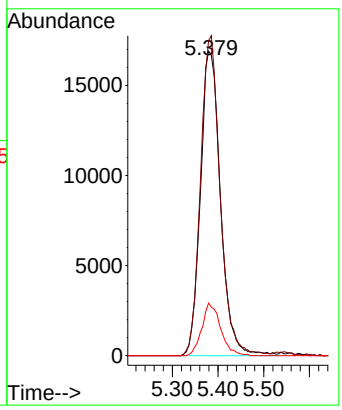


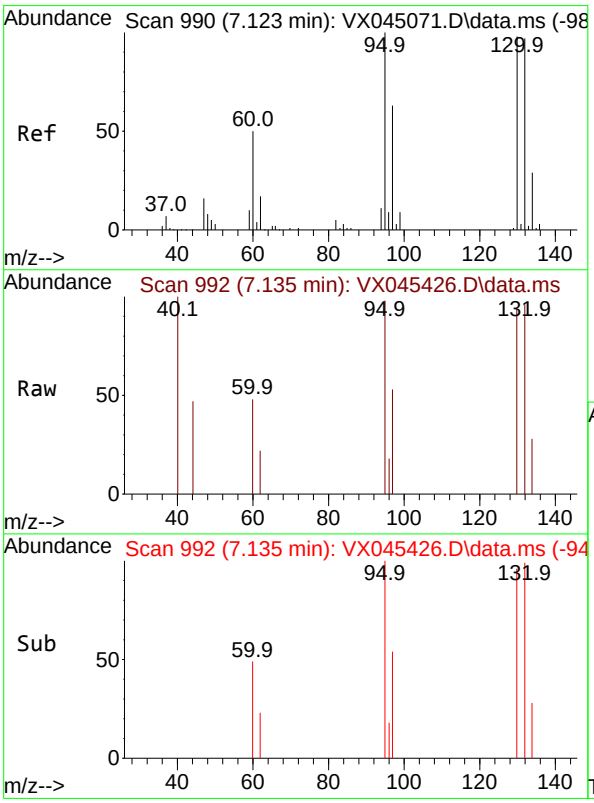
#35
Dibromofluoromethane
Concen: 51.183 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045426.D
Acq: 24 Mar 2025 19:33

Instrument :
MSVOA_X
ClientSampleId :
RW8-MW01D2-20250319

Tgt Ion:113 Resp: 51691

Ion	Ratio	Lower	Upper
113	100		
111	102.2	81.8	122.6
192	16.1	14.3	21.5

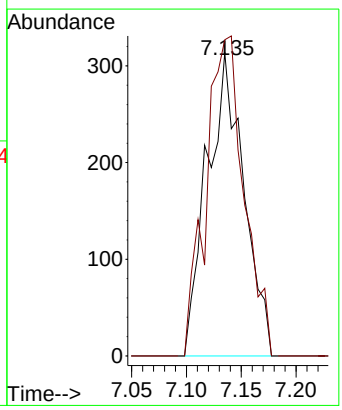


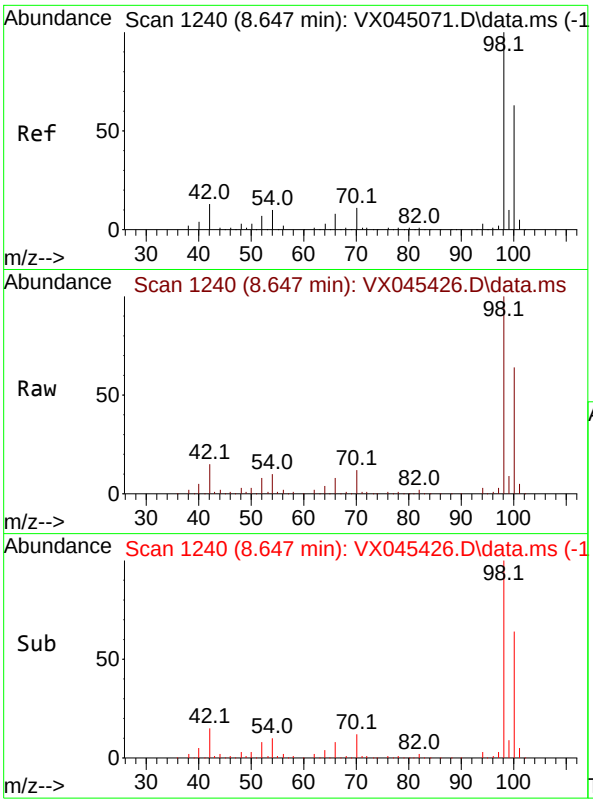


#44
Trichloroethene
Concen: 0.714 ug/l
RT: 7.135 min Scan# 992
Delta R.T. 0.012 min
Lab File: VX045426.D
Acq: 24 Mar 2025 19:33

Tgt Ion:130 Resp: 733

Ion	Ratio	Lower	Upper
130	100		
95	104.1	0.0	205.0



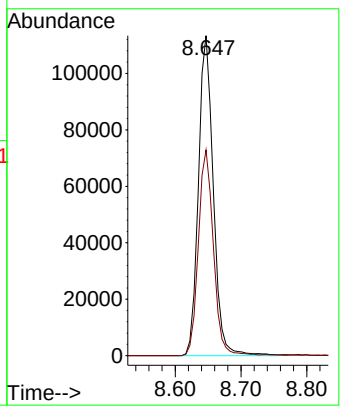


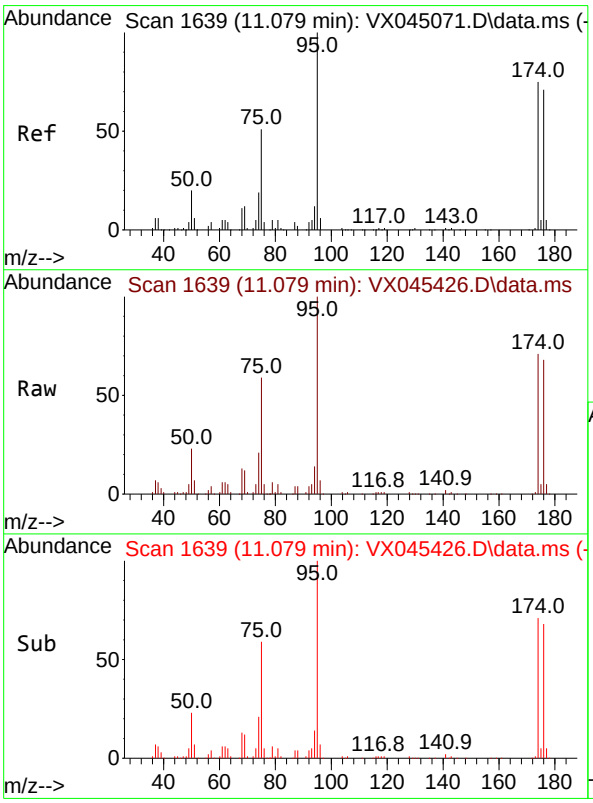
#50
Toluene-d8
Concen: 48.815 ug/l
RT: 8.647 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045426.D
Acq: 24 Mar 2025 19:33

Instrument :
MSVOA_X
ClientSampleId :
RW8-MW01D2-20250319

Tgt Ion: 98 Resp: 178728

Ion	Ratio	Lower	Upper
98	100		
100	64.8	52.0	78.0

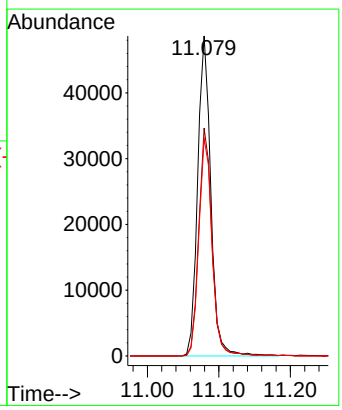


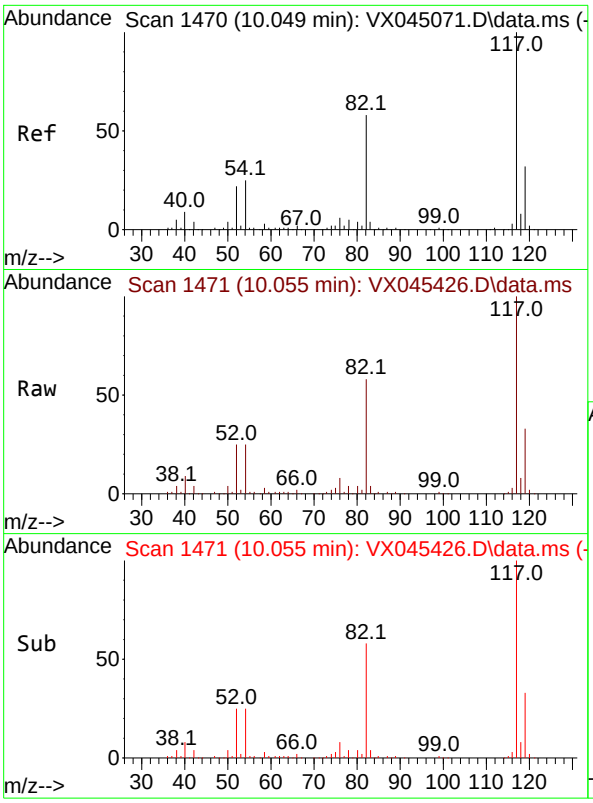


#62
4-Bromofluorobenzene
Concen: 51.030 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045426.D
Acq: 24 Mar 2025 19:33

Tgt Ion: 95 Resp: 61912

Ion	Ratio	Lower	Upper
95	100		
174	71.3	0.0	148.2
176	68.6	0.0	141.4



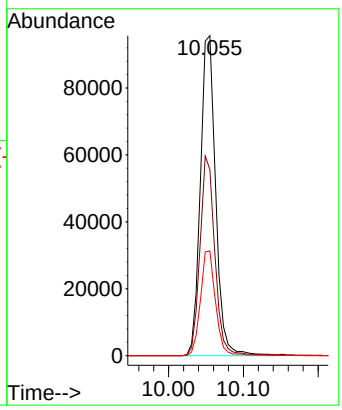


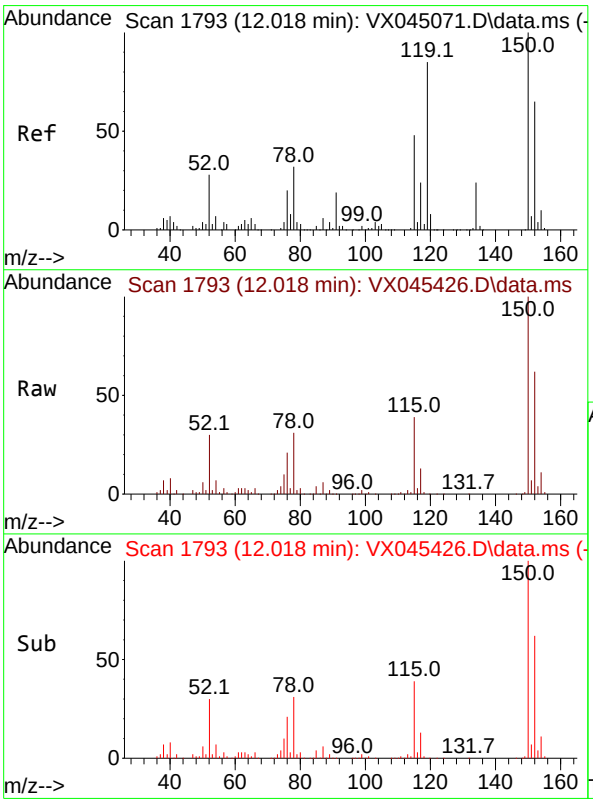
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX045426.D
Acq: 24 Mar 2025 19:33

Instrument :
MSVOA_X
ClientSampleId :
RW8-MW01D2-20250319

Tgt Ion:117 Resp: 136081

Ion	Ratio	Lower	Upper
117	100		
82	58.1	46.3	69.5
119	32.7	25.7	38.5

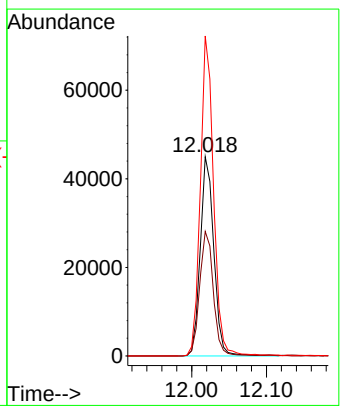




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045426.D
Acq: 24 Mar 2025 19:33

Tgt Ion:152 Resp: 56752

Ion	Ratio	Lower	Upper
152	100		
115	63.2	44.2	132.6
150	156.4	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:	03/19/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/19/25
Client Sample ID:	RW8-MW01D3-20250319	SDG No.:	Q1608
Lab Sample ID:	Q1608-27	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
VX045427.D	1		03/24/25 19:56	VX032425

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	0.66	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

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	03/19/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/19/25
Client Sample ID:	RW8-MW01D3-20250319	SDG No.:	Q1608
Lab Sample ID:	Q1608-27	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
VX045427.D	1		03/24/25 19:56	VX032425

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	51.3		80 - 119		103%	SPK: 50
2037-26-5	Toluene-d8	49.2		89 - 112		98%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.8		85 - 114		102%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	66000	5.544				
540-36-3	1,4-Difluorobenzene	129000	6.757				
3114-55-4	Chlorobenzene-d5	118000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	46300	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:	03/19/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/19/25
Client Sample ID:	RW8-MW01D3-20250319	SDG No.:	Q1608
Lab Sample ID:	Q1608-27	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
VX045427.D	1		03/24/25 19:56	VX032425

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\VX032425\
Data File : VX045427.D
Acq On : 24 Mar 2025 19:56
Operator : JC/MD
Sample : Q1608-27
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RW8-MW01D3-20250319

Quant Time: Mar 25 01:40:39 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

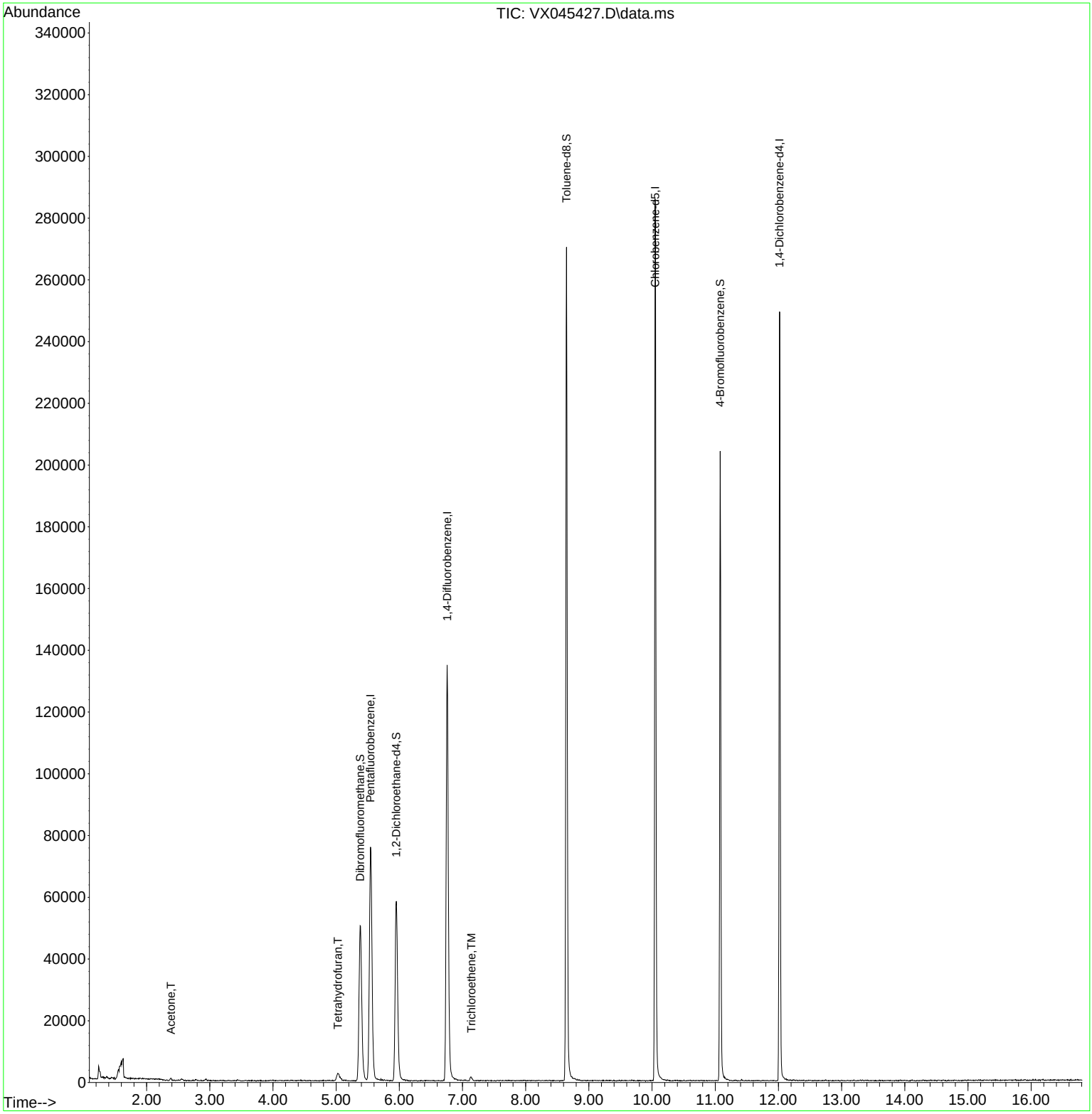
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	66010	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	128913	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	117995	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	46255	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	58266	55.492	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 110.980%			
35) Dibromofluoromethane	5.379	113	44214	51.292	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.580%			
50) Toluene-d8	8.647	98	153598	49.150	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.300%			
62) 4-Bromofluorobenzene	11.079	95	52579	50.774	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 101.540%			
Target Compounds						Qvalue
16) Acetone	2.386	43	843	1.730	ug/l #	22
29) Tetrahydrofuran	5.026	42	2619	5.318	ug/l #	72
44) Trichloroethene	7.141	130	580	0.662	ug/l	99

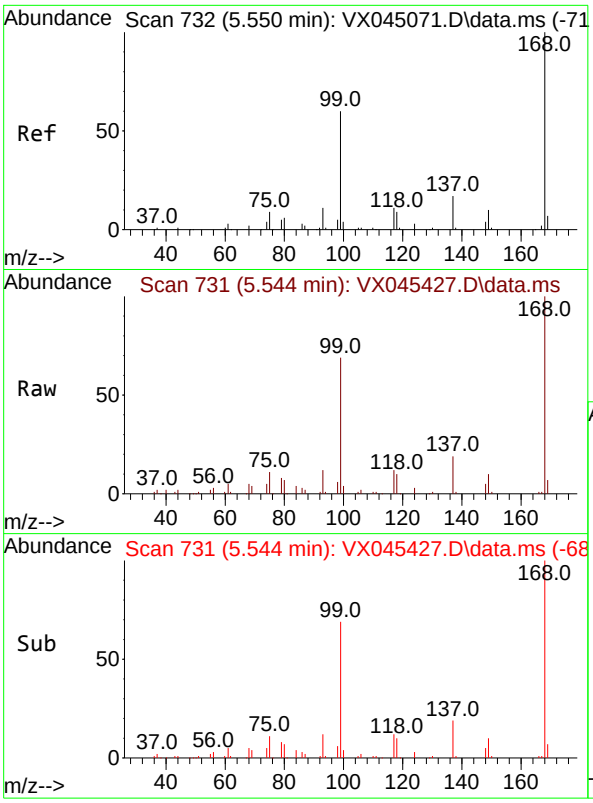
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032425\
Data File : VX045427.D
Acq On : 24 Mar 2025 19:56
Operator : JC/MD
Sample : Q1608-27
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RW8-MW01D3-20250319

Quant Time: Mar 25 01:40:39 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



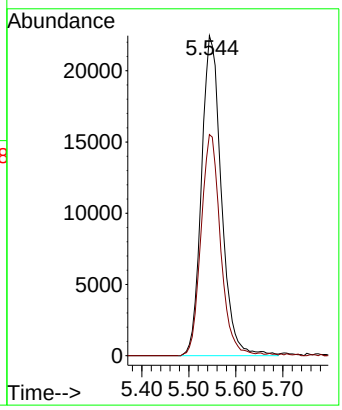


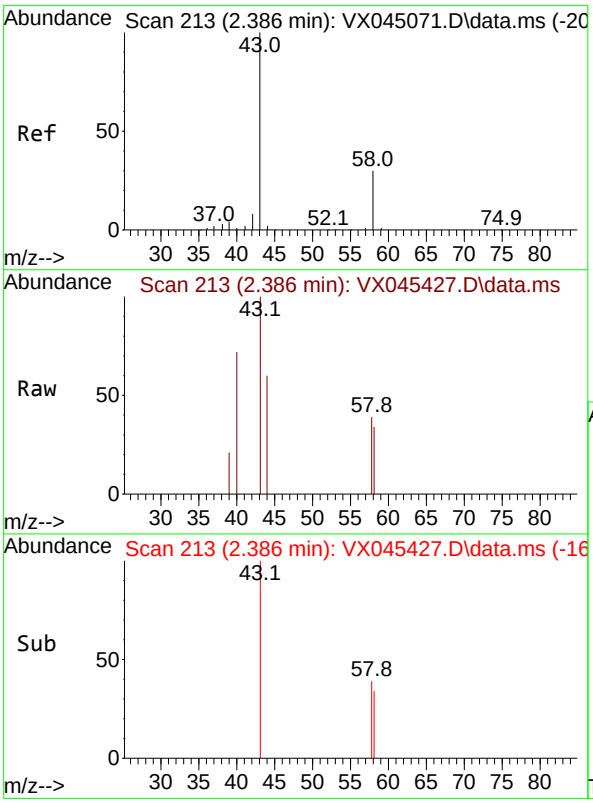
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045427.D
Acq: 24 Mar 2025 19:56

Instrument :
MSVOA_X
ClientSampleId :
RW8-MW01D3-20250319

Tgt Ion:168 Resp: 66010

Ion	Ratio	Lower	Upper
168	100		
99	69.1	48.2	72.4

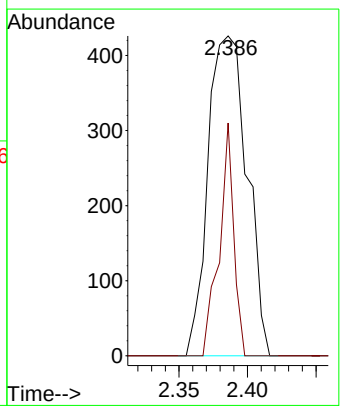


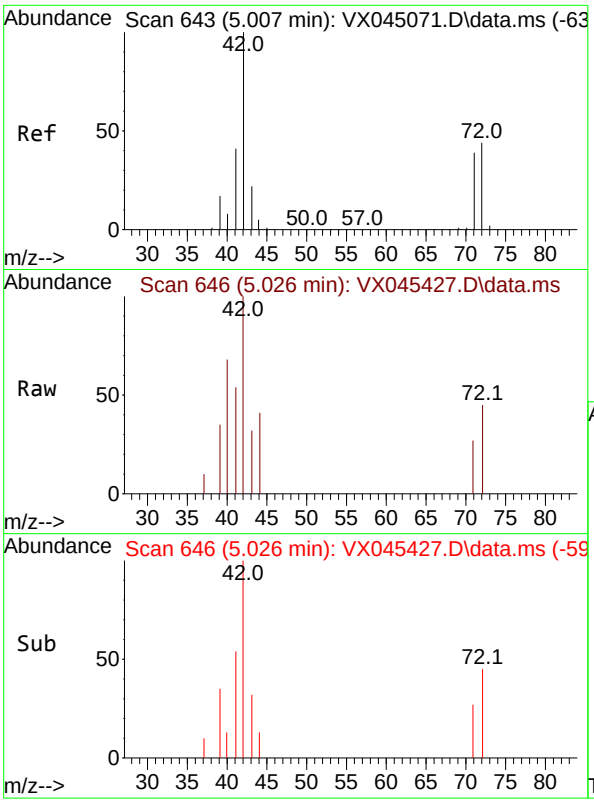


#16
Acetone
Concen: 1.730 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX045427.D
Acq: 24 Mar 2025 19:56

Tgt Ion: 43 Resp: 843

Ion	Ratio	Lower	Upper
43	100		
58	72.8	24.2	36.4#



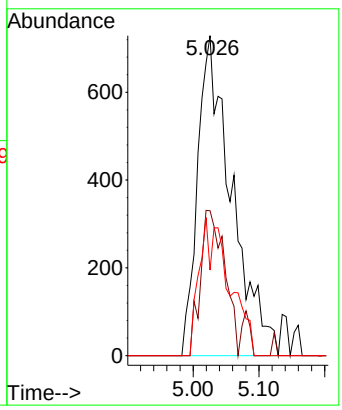


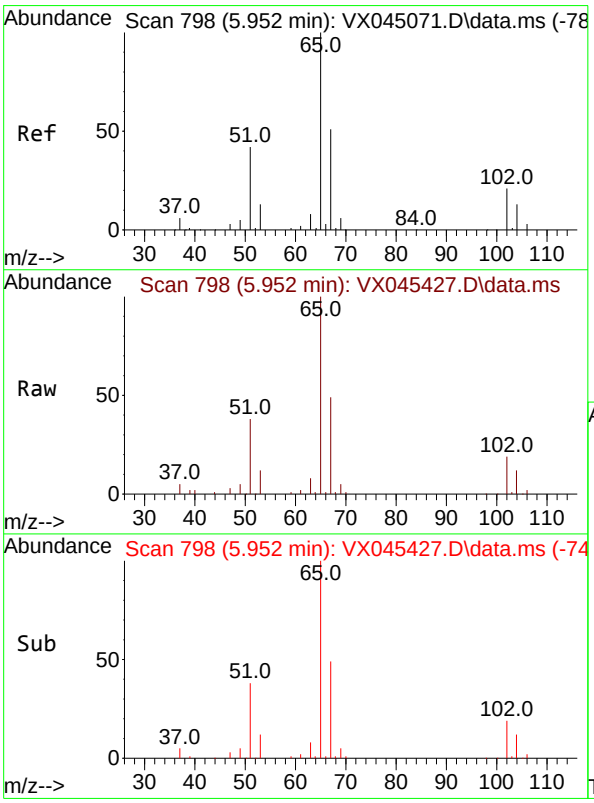
#29
Tetrahydrofuran
Concen: 5.318 ug/l
RT: 5.026 min Scan# 64
Delta R.T. 0.018 min
Lab File: VX045427.D
Acq: 24 Mar 2025 19:56

Instrument :
MSVOA_X
ClientSampleId :
RW8-MW01D3-20250319

Tgt Ion: 42 Resp: 2619

Ion	Ratio	Lower	Upper
42	100		
72	32.4	34.1	51.1#
71	14.6	31.4	47.0#

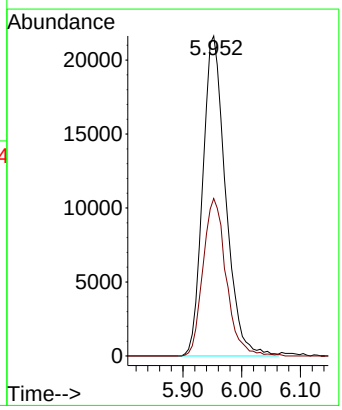


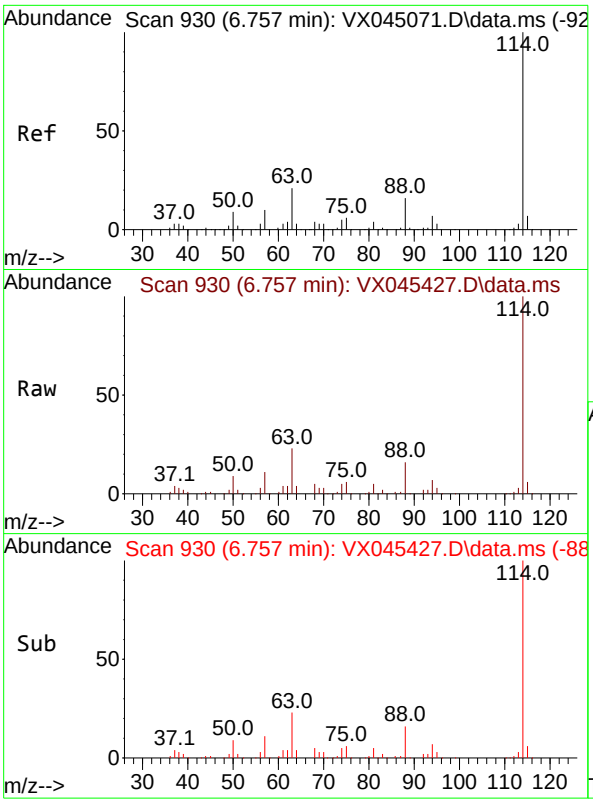


#33
1,2-Dichloroethane-d4
Concen: 55.492 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX045427.D
Acq: 24 Mar 2025 19:56

Tgt Ion: 65 Resp: 58266

Ion	Ratio	Lower	Upper
65	100		
67	50.0	0.0	106.2



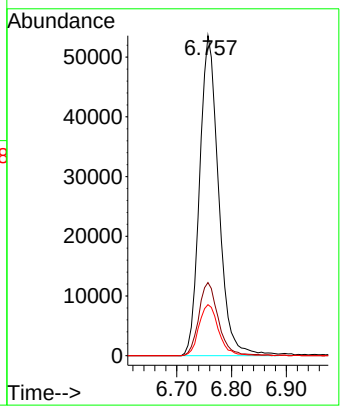


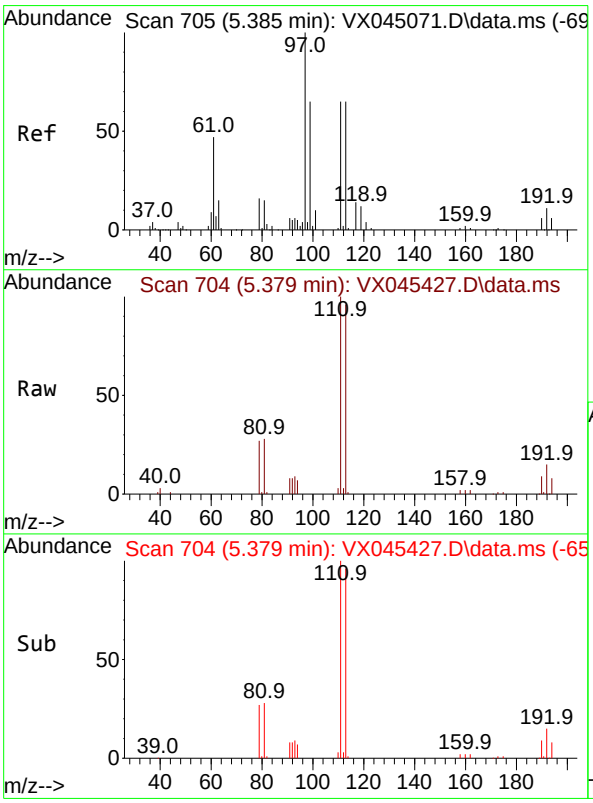
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX045427.D
Acq: 24 Mar 2025 19:56

Instrument :
MSVOA_X
ClientSampleId :
RW8-MW01D3-20250319

Tgt Ion:114 Resp: 128913

Ion	Ratio	Lower	Upper
114	100		
63	22.9	0.0	41.8
88	15.9	0.0	32.8

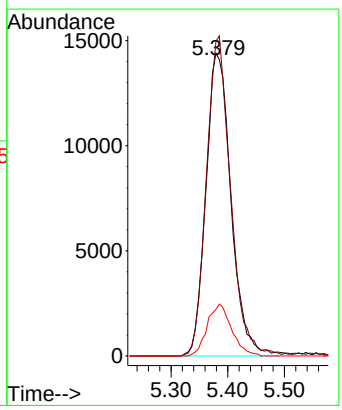


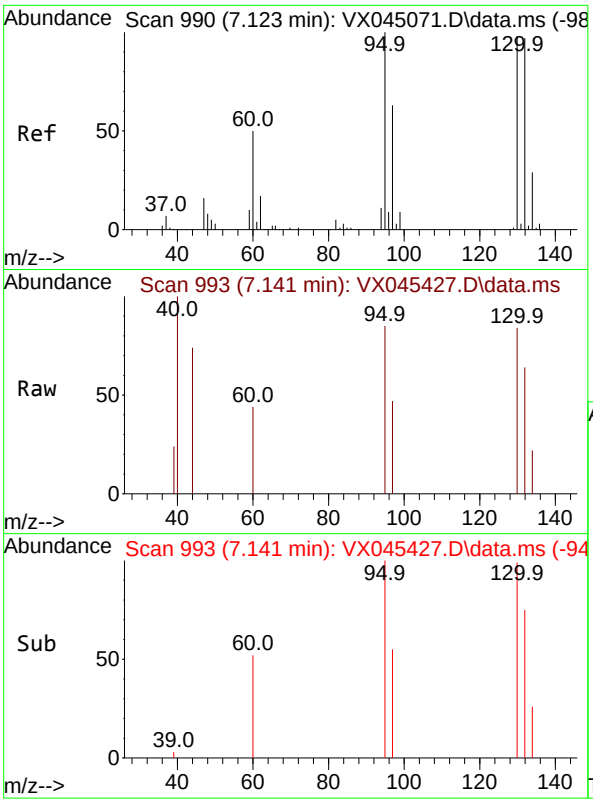


#35
Dibromofluoromethane
Concen: 51.292 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX045427.D
Acq: 24 Mar 2025 19:56

Tgt Ion:113 Resp: 44214

Ion	Ratio	Lower	Upper
113	100		
111	101.8	81.8	122.6
192	16.6	14.3	21.5



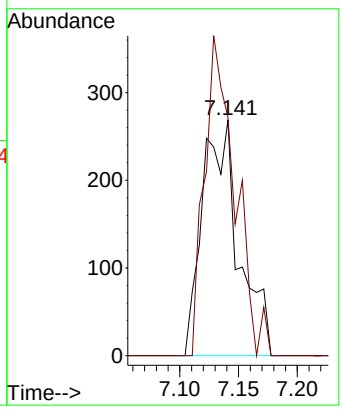


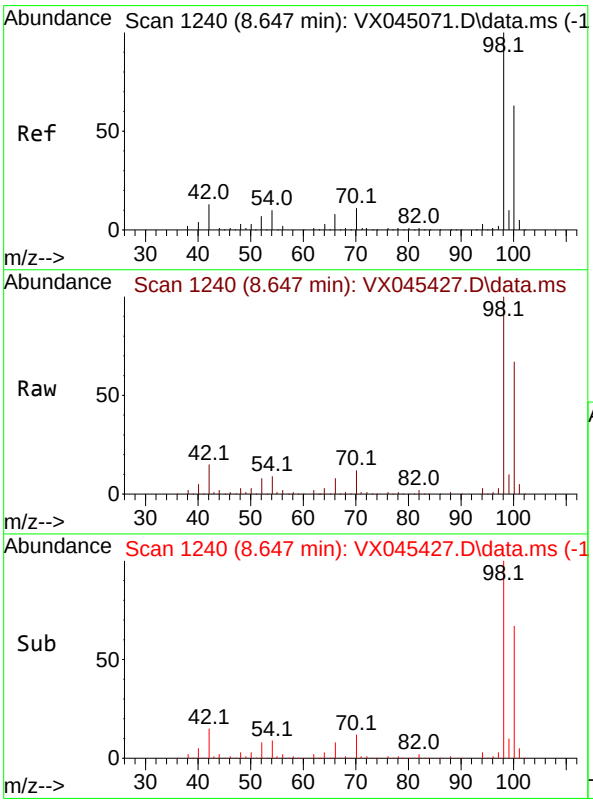
#44
Trichloroethene
Concen: 0.662 ug/l
RT: 7.141 min Scan# 9
Delta R.T. 0.018 min
Lab File: VX045427.D
Acq: 24 Mar 2025 19:56

Instrument :
MSVOA_X
ClientSampleId :
RW8-MW01D3-20250319

Tgt Ion:130 Resp: 580

Ion	Ratio	Lower	Upper
130	100		
95	101.1	0.0	205.0

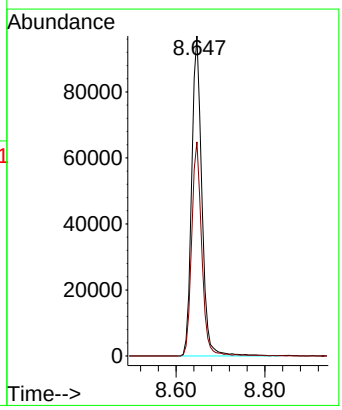


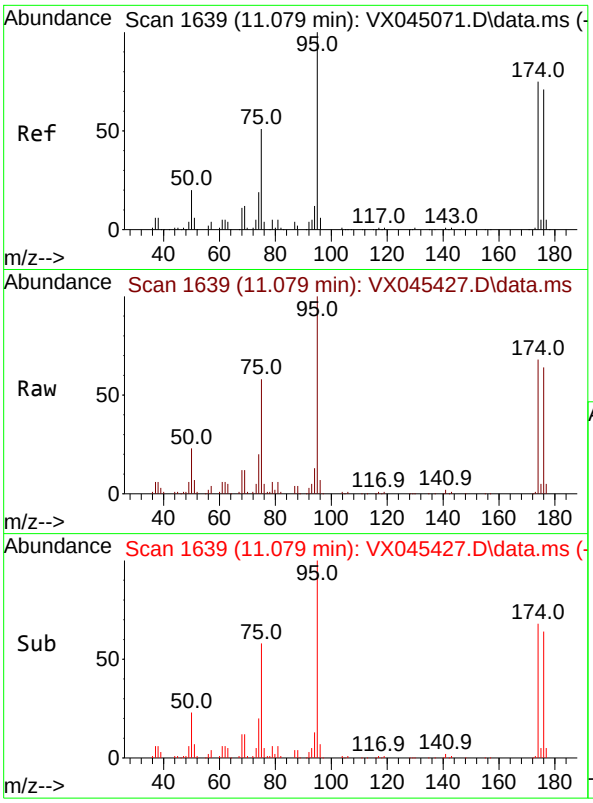


#50
Toluene-d8
Concen: 49.150 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX045427.D
Acq: 24 Mar 2025 19:56

Tgt Ion: 98 Resp: 153598

Ion	Ratio	Lower	Upper
98	100		
100	66.0	52.0	78.0



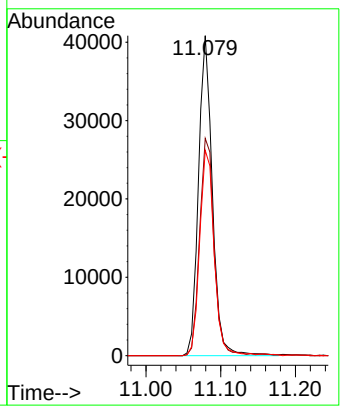


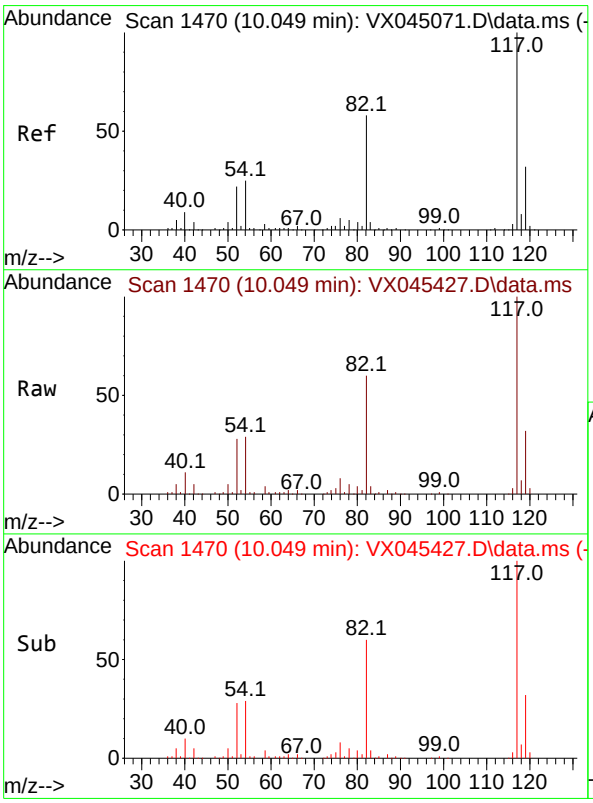
#62
4-Bromofluorobenzene
Concen: 50.774 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045427.D
Acq: 24 Mar 2025 19:56

Instrument :
MSVOA_X
ClientSampleId :
RW8-MW01D3-20250319

Tgt Ion: 95 Resp: 52579

Ion	Ratio	Lower	Upper
95	100		
174	71.5	0.0	148.2
176	67.1	0.0	141.4

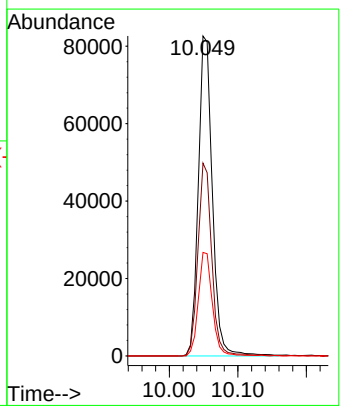


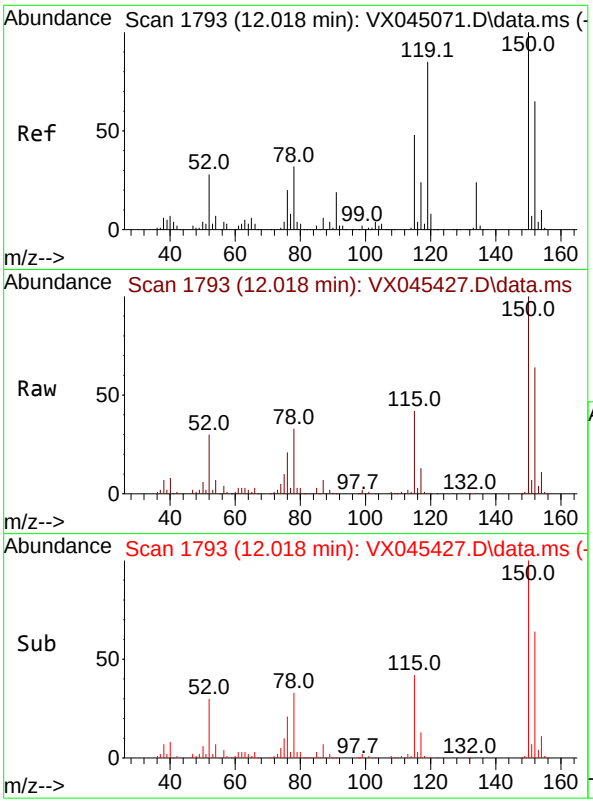


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX045427.D
Acq: 24 Mar 2025 19:56

Tgt Ion:117 Resp: 117995

Ion	Ratio	Lower	Upper
117	100		
82	60.3	46.3	69.5
119	32.4	25.7	38.5



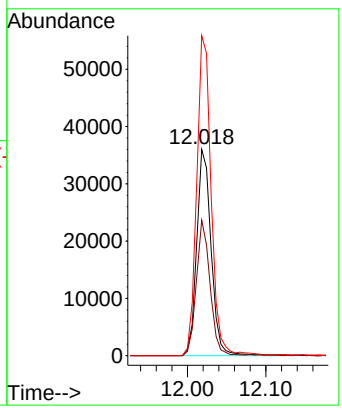


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045427.D
Acq: 24 Mar 2025 19:56

Instrument :
MSVOA_X
ClientSampleId :
RW8-MW01D3-20250319

Tgt Ion:152 Resp: 46255

Ion	Ratio	Lower	Upper
152	100		
115	62.2	44.2	132.6
150	155.0	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:	03/19/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/19/25
Client Sample ID:	DUP09-20250319	SDG No.:	Q1608
Lab Sample ID:	Q1608-28	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
VX045428.D	1		03/24/25 20:19	VX032425

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	0.50	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	0.51	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

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:	03/19/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/19/25
Client Sample ID:	DUP09-20250319	SDG No.:	Q1608
Lab Sample ID:	Q1608-28	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
VX045428.D	1		03/24/25 20:19	VX032425

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	57.0		81 - 118		114%	SPK: 50
1868-53-7	Dibromofluoromethane	51.8		80 - 119		104%	SPK: 50
2037-26-5	Toluene-d8	50.4		89 - 112		101%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.8		85 - 114		102%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	63300	5.549				
540-36-3	1,4-Difluorobenzene	123000	6.756				
3114-55-4	Chlorobenzene-d5	112000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	42500	12.018				

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:	03/19/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/19/25
Client Sample ID:	DUP09-20250319	SDG No.:	Q1608
Lab Sample ID:	Q1608-28	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
VX045428.D	1		03/24/25 20:19	VX032425

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\VX032425\
Data File : VX045428.D
Acq On : 24 Mar 2025 20:19
Operator : JC/MD
Sample : Q1608-28
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
DUP09-20250319

Quant Time: Mar 25 01:41:04 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

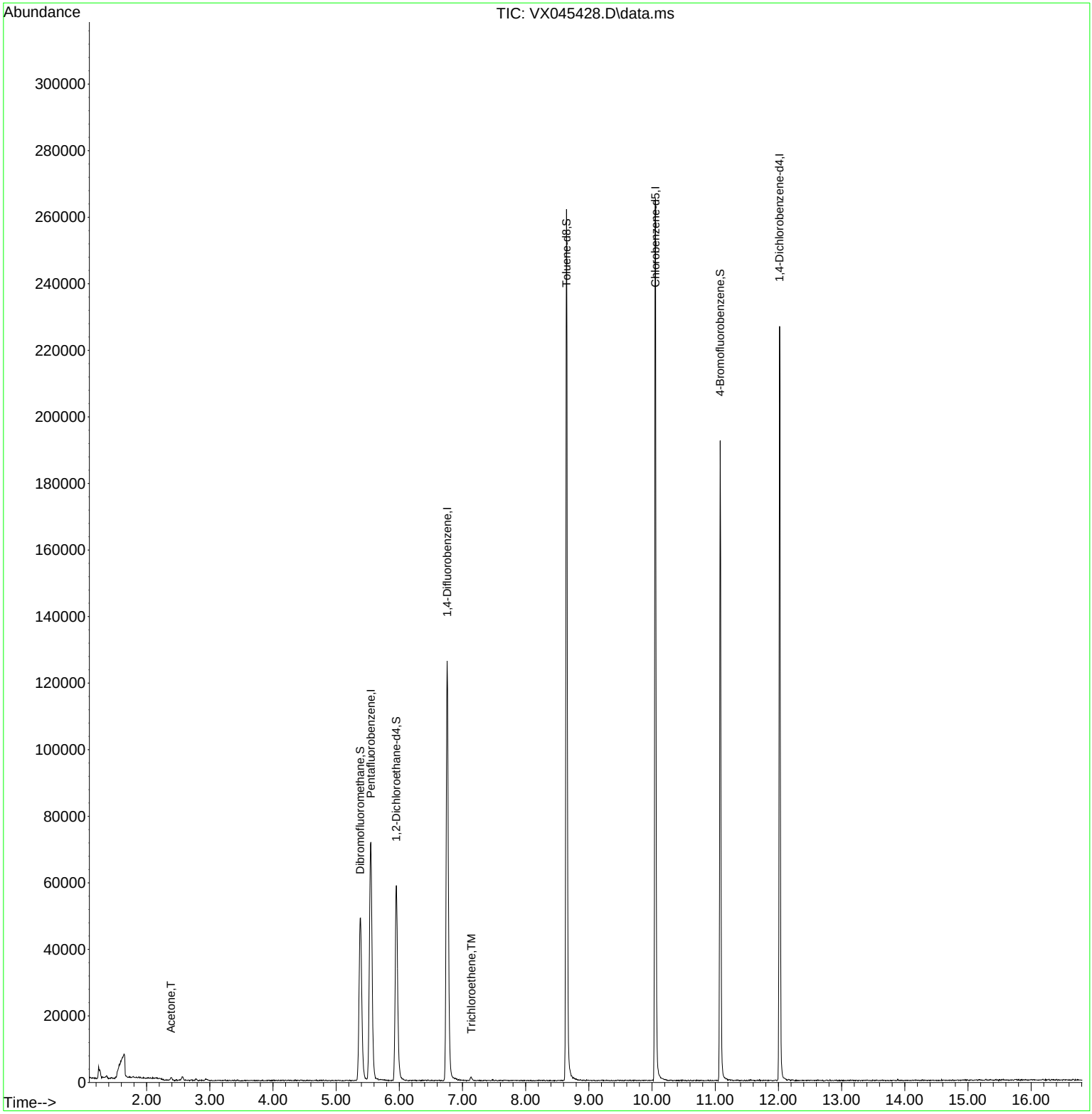
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.549	168	63255	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.756	114	122676	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	112419	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	42476	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	57383	57.031	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 114.060%			
35) Dibromofluoromethane	5.379	113	42494	51.803	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.600%			
50) Toluene-d8	8.646	98	149783	50.366	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.740%			
62) 4-Bromofluorobenzene	11.079	95	50075	50.814	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 101.620%			
Target Compounds						Qvalue
16) Acetone	2.385	43	1049	2.247	ug/l	95
44) Trichloroethene	7.141	130	422	0.506	ug/l	88

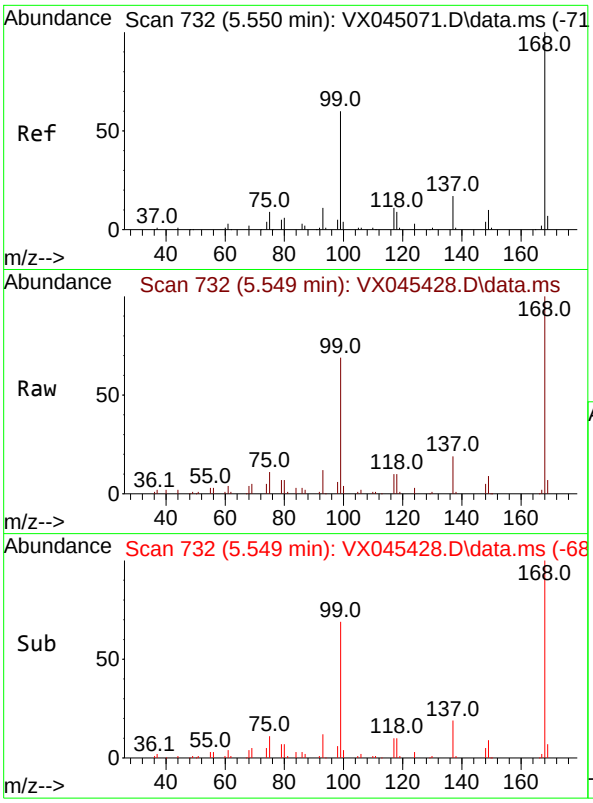
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032425\
Data File : VX045428.D
Acq On : 24 Mar 2025 20:19
Operator : JC/MD
Sample : Q1608-28
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
DUP09-20250319

Quant Time: Mar 25 01:41:04 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



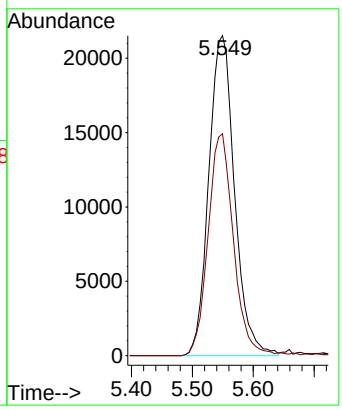


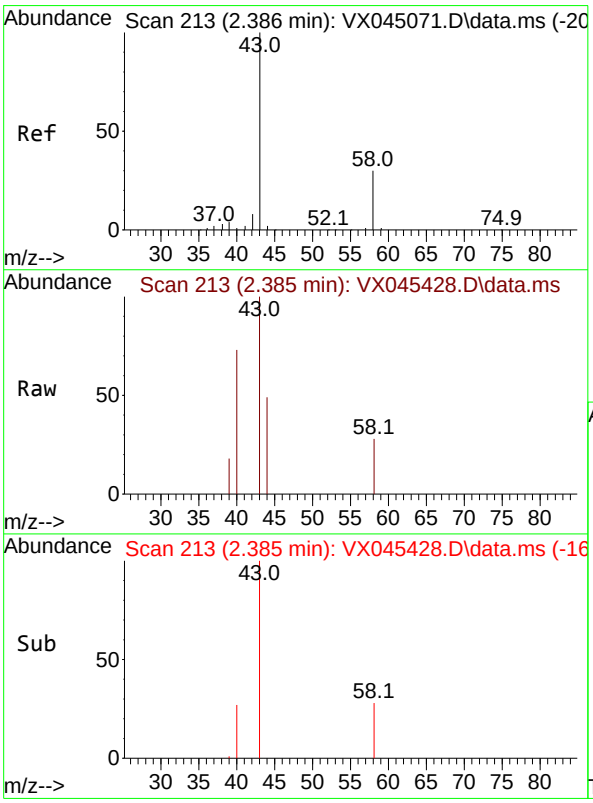
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.549 min Scan# 7
Delta R.T. -0.001 min
Lab File: VX045428.D
Acq: 24 Mar 2025 20:19

Instrument :
MSVOA_X
ClientSampleId :
DUP09-20250319

Tgt Ion:168 Resp: 63255

Ion	Ratio	Lower	Upper
168	100		
99	69.3	48.2	72.4

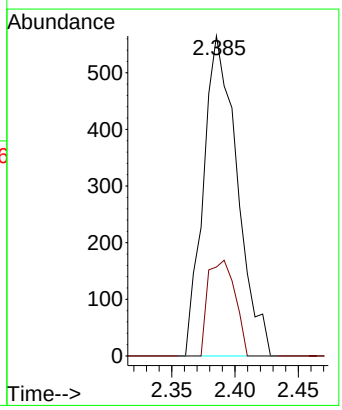


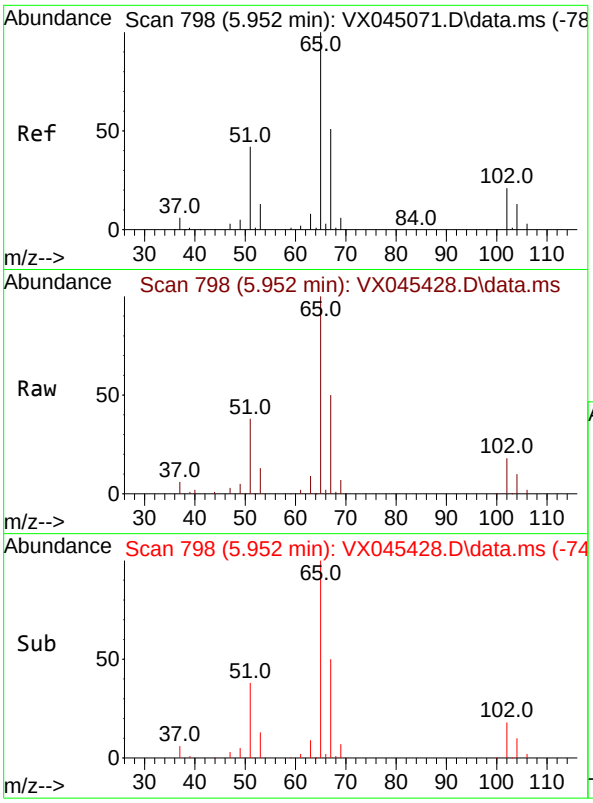


#16
Acetone
Concen: 2.247 ug/l
RT: 2.385 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX045428.D
Acq: 24 Mar 2025 20:19

Tgt Ion: 43 Resp: 1049

Ion	Ratio	Lower	Upper
43	100		
58	27.8	24.2	36.4



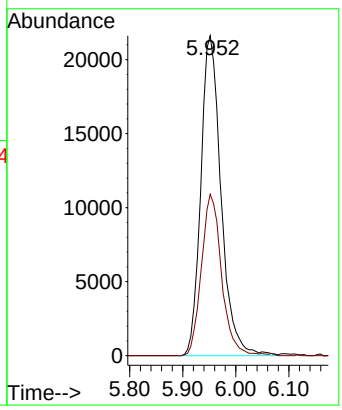


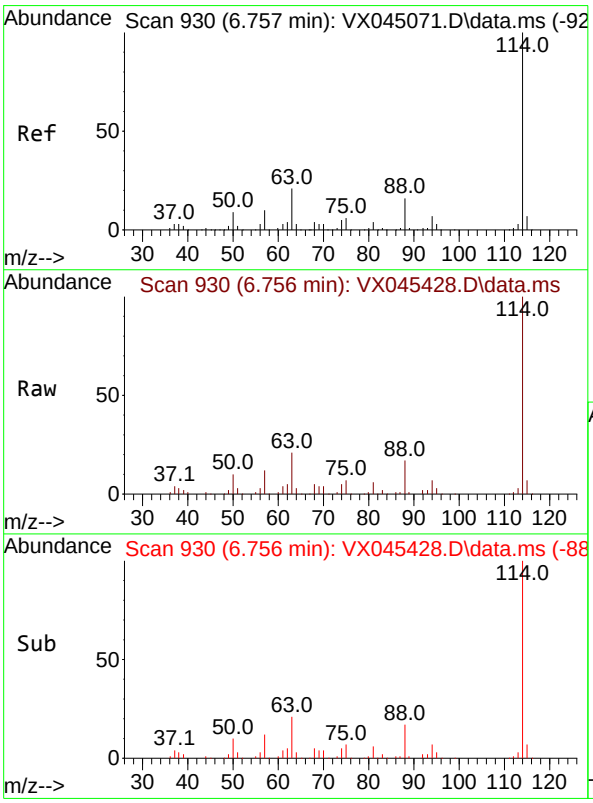
#33
1,2-Dichloroethane-d4
Concen: 57.031 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045428.D
Acq: 24 Mar 2025 20:19

Instrument :
MSVOA_X
ClientSampleId :
DUP09-20250319

Tgt Ion: 65 Resp: 57383

Ion	Ratio	Lower	Upper
65	100		
67	50.4	0.0	106.2

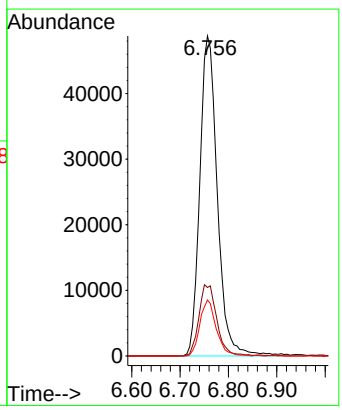


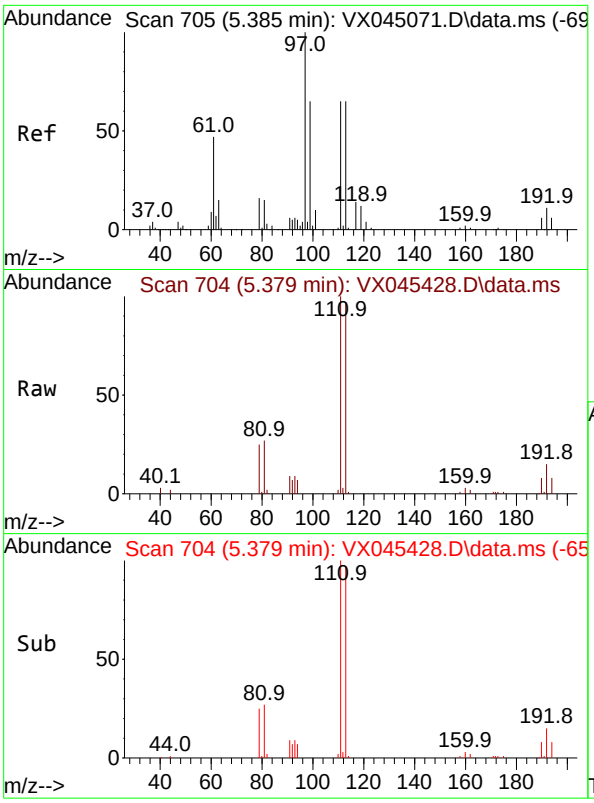


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.756 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX045428.D
Acq: 24 Mar 2025 20:19

Tgt Ion:114 Resp: 122676

Ion	Ratio	Lower	Upper
114	100		
63	21.4	0.0	41.8
88	17.5	0.0	32.8



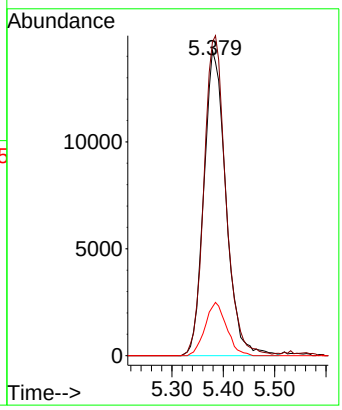


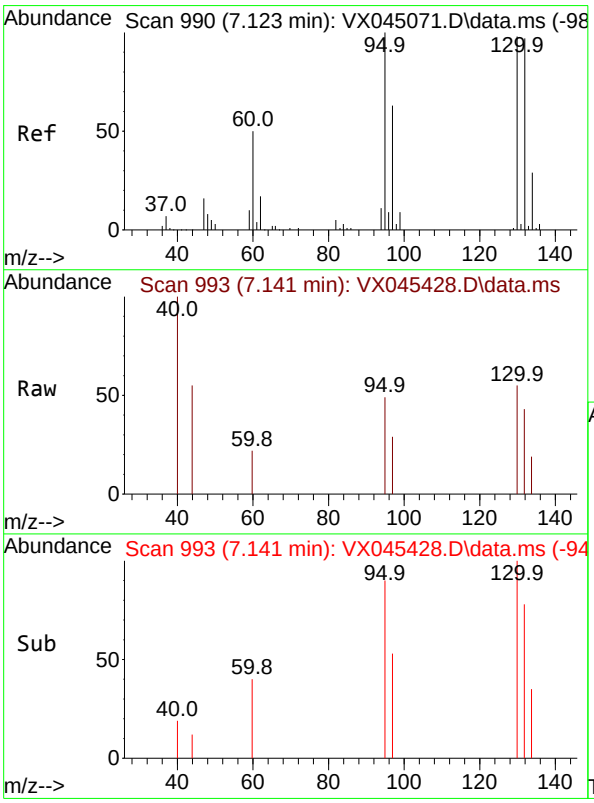
#35
Dibromofluoromethane
Concen: 51.803 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.007 min
Lab File: VX045428.D
Acq: 24 Mar 2025 20:19

Instrument :
MSVOA_X
ClientSampleId :
DUP09-20250319

Tgt Ion:113 Resp: 42494

Ion	Ratio	Lower	Upper
113	100		
111	103.5	81.8	122.6
192	17.0	14.3	21.5

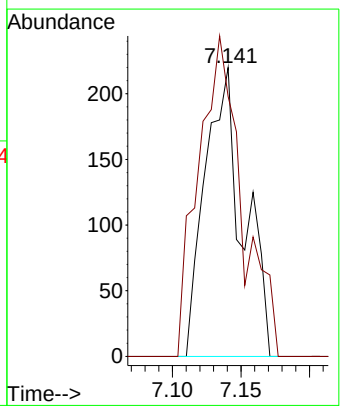


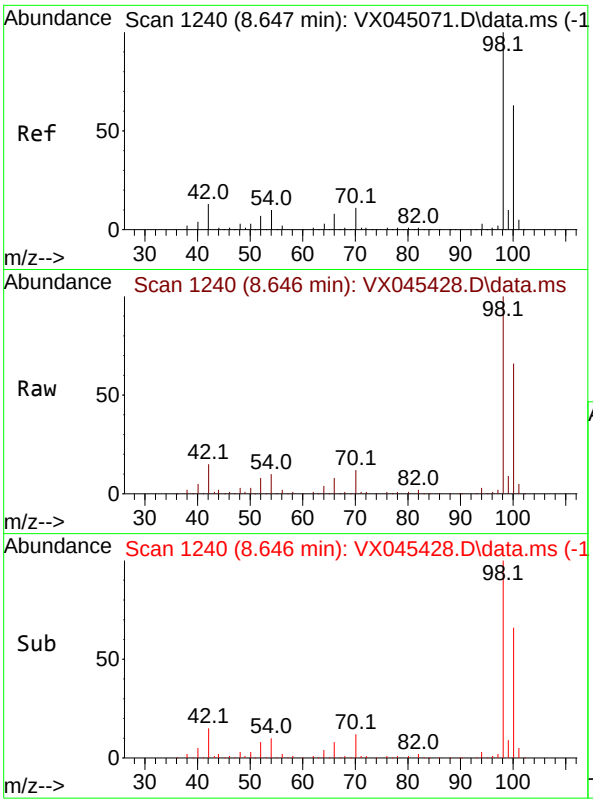


#44
Trichloroethene
Concen: 0.506 ug/l
RT: 7.141 min Scan# 993
Delta R.T. 0.018 min
Lab File: VX045428.D
Acq: 24 Mar 2025 20:19

Tgt Ion:130 Resp: 422

Ion	Ratio	Lower	Upper
130	100		
95	90.0	0.0	205.0



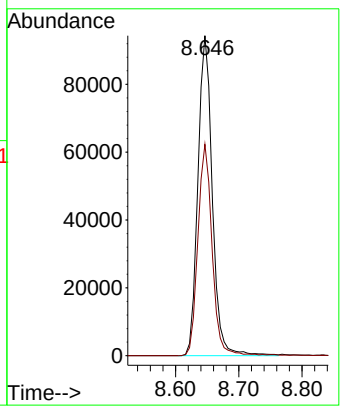


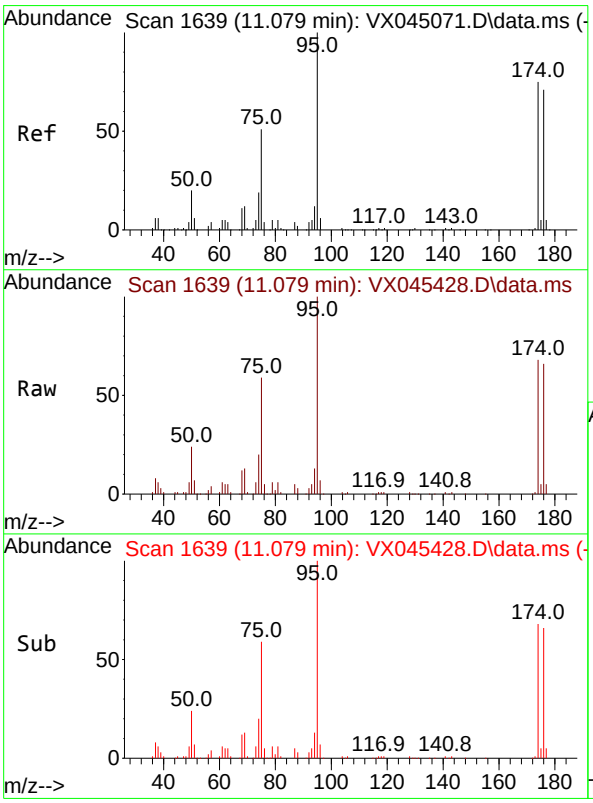
#50
Toluene-d8
Concen: 50.366 ug/l
RT: 8.646 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045428.D
Acq: 24 Mar 2025 20:19

Instrument :
MSVOA_X
ClientSampleId :
DUP09-20250319

Tgt Ion: 98 Resp: 149783

Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.0	78.0

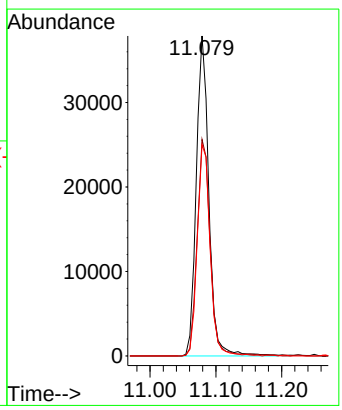


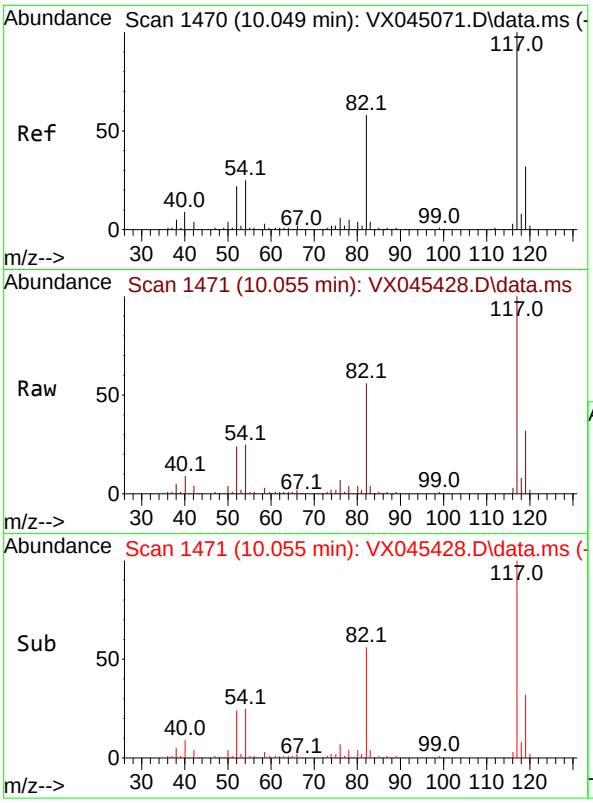


#62
4-Bromofluorobenzene
Concen: 50.814 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045428.D
Acq: 24 Mar 2025 20:19

Tgt Ion: 95 Resp: 50075

Ion	Ratio	Lower	Upper
95	100		
174	70.7	0.0	148.2
176	67.6	0.0	141.4



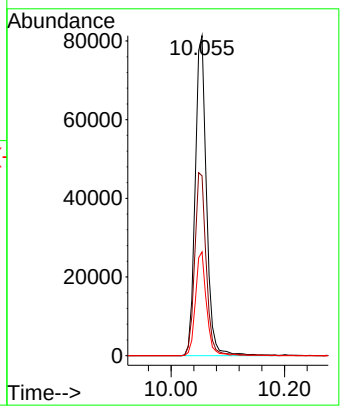


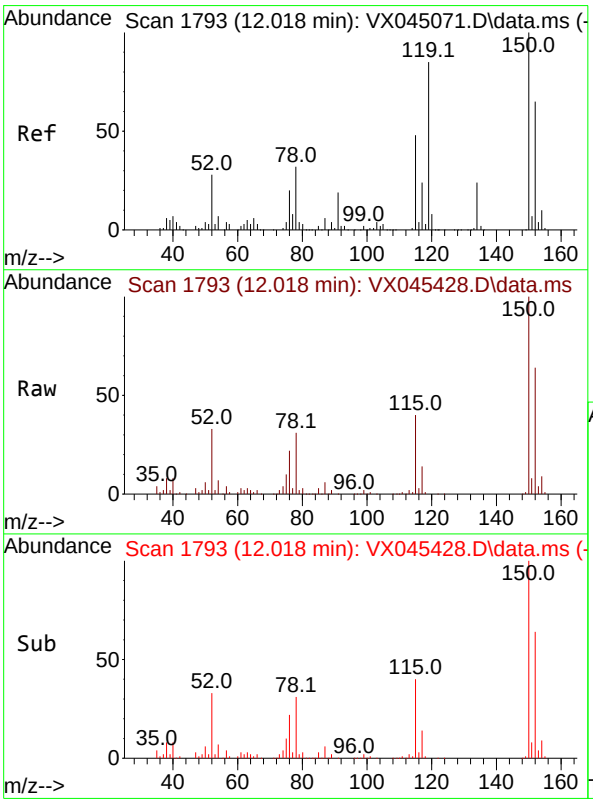
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX045428.D
Acq: 24 Mar 2025 20:19

Instrument :
MSVOA_X
ClientSampleId :
DUP09-20250319

Tgt Ion:117 Resp: 112419

Ion	Ratio	Lower	Upper
117	100		
82	56.2	46.3	69.5
119	32.4	25.7	38.5

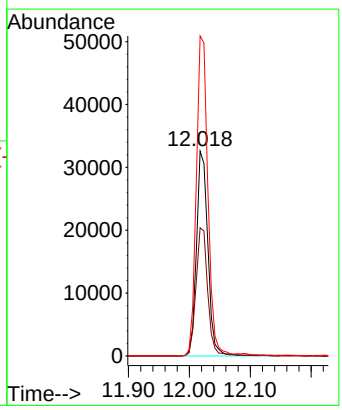




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045428.D
Acq: 24 Mar 2025 20:19

Tgt Ion:152 Resp: 42476

Ion	Ratio	Lower	Upper
152	100		
115	64.1	44.2	132.6
150	157.6	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:	03/19/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/19/25
Client Sample ID:	TB	SDG No.:	Q1608
Lab Sample ID:	Q1608-29	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
VX045410.D	1		03/24/25 13:20	VX032425

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:	03/19/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/19/25
Client Sample ID:	TB	SDG No.:	Q1608
Lab Sample ID:	Q1608-29	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
VX045410.D	1		03/24/25 13:20	VX032425

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	52.2		80 - 119		104%	SPK: 50
2037-26-5	Toluene-d8	50.0		89 - 112		100%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.5		85 - 114		103%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	77000	5.55				
540-36-3	1,4-Difluorobenzene	150000	6.757				
3114-55-4	Chlorobenzene-d5	133000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	52400	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:	03/19/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/19/25
Client Sample ID:	TB	SDG No.:	Q1608
Lab Sample ID:	Q1608-29	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
VX045410.D	1		03/24/25 13:20	VX032425

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\VX032425\
Data File : VX045410.D
Acq On : 24 Mar 2025 13:20
Operator : JC/MD
Sample : Q1608-29
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TB

Quant Time: Mar 25 01:33:05 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	76966	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	149564	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	133451	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	52355	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	67809	55.388	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 110.780%			
35) Dibromofluoromethane	5.385	113	52173	52.168	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.340%			
50) Toluene-d8	8.647	98	181446	50.044	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.080%			
62) 4-Bromofluorobenzene	11.079	95	61926	51.543	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 103.080%			

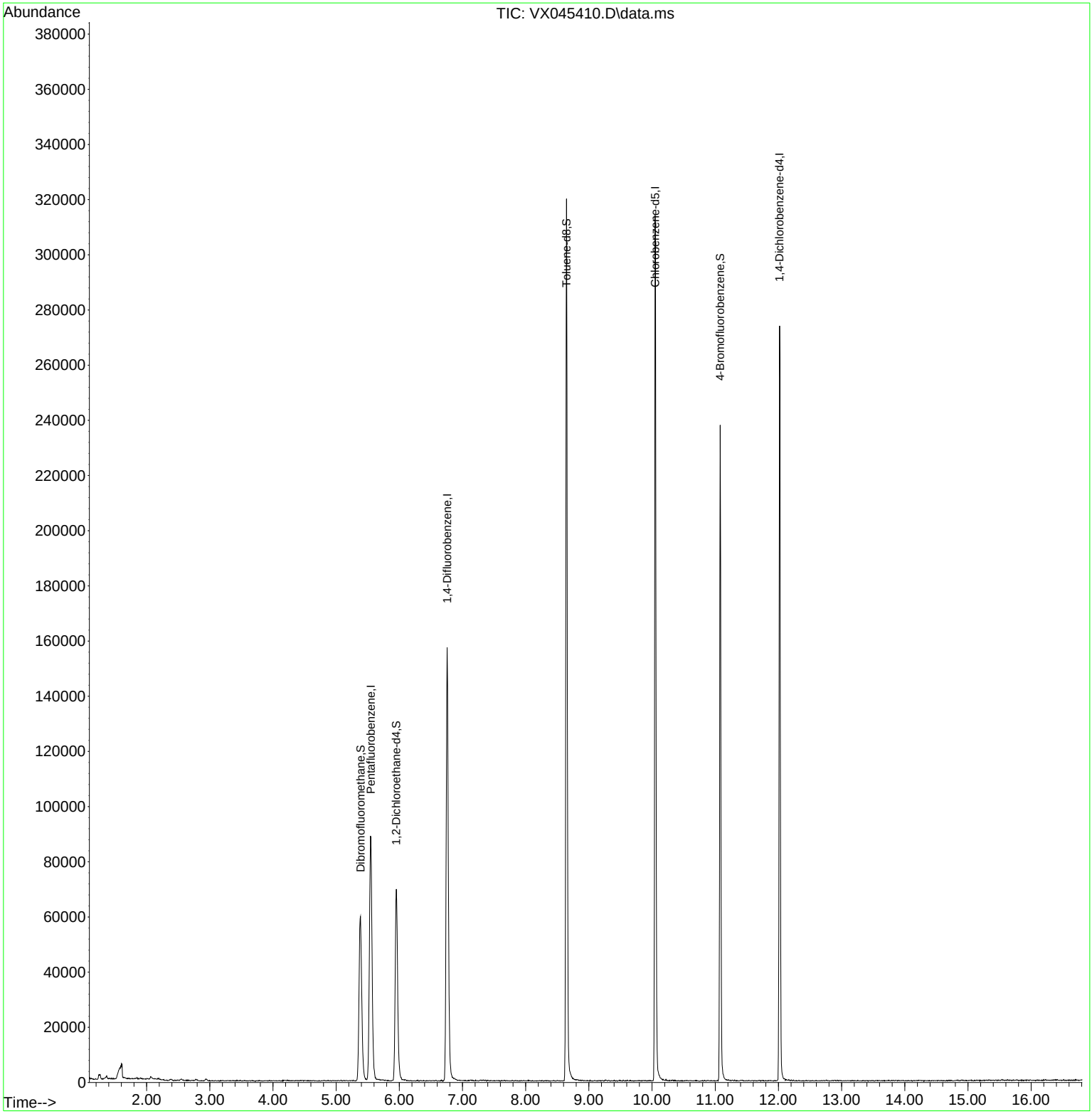
Target Compounds Qvalue

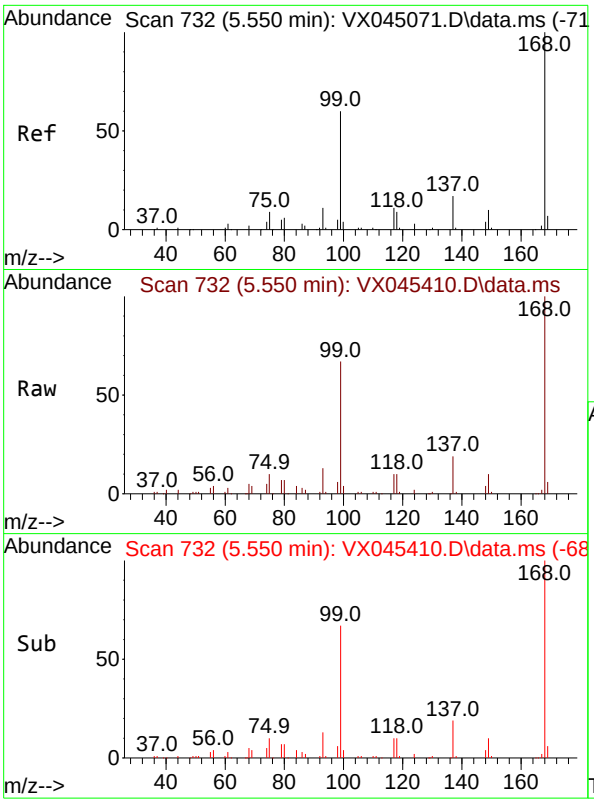
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032425\
Data File : VX045410.D
Acq On : 24 Mar 2025 13:20
Operator : JC/MD
Sample : Q1608-29
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TB

Quant Time: Mar 25 01:33:05 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



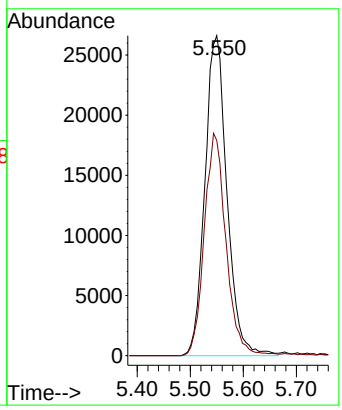


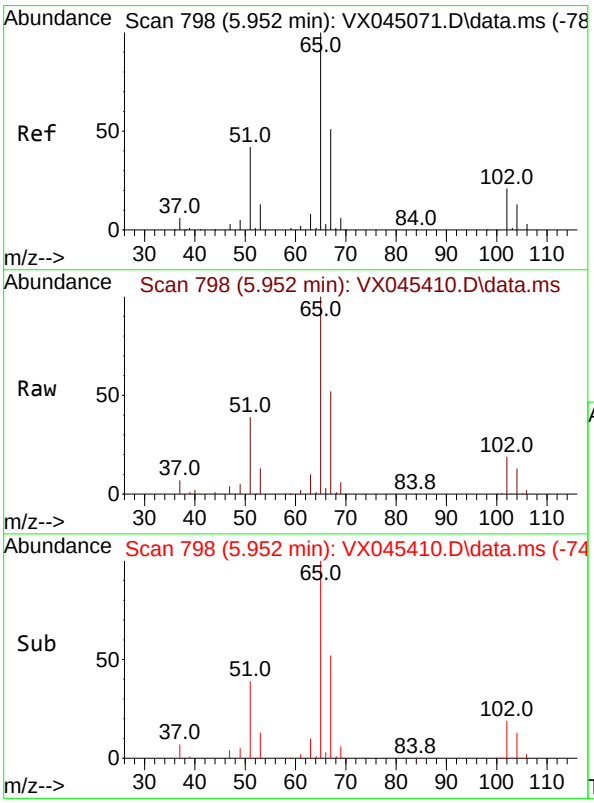
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045410.D
Acq: 24 Mar 2025 13:20

Instrument :
MSVOA_X
ClientSampleId :
TB

Tgt Ion:168 Resp: 76966

Ion	Ratio	Lower	Upper
168	100		
99	67.3	48.2	72.4

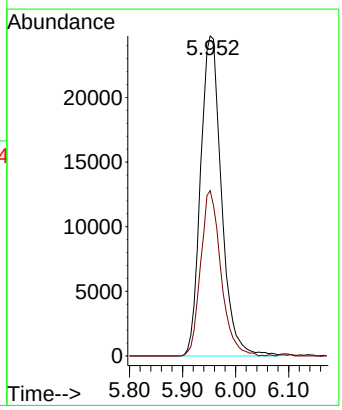


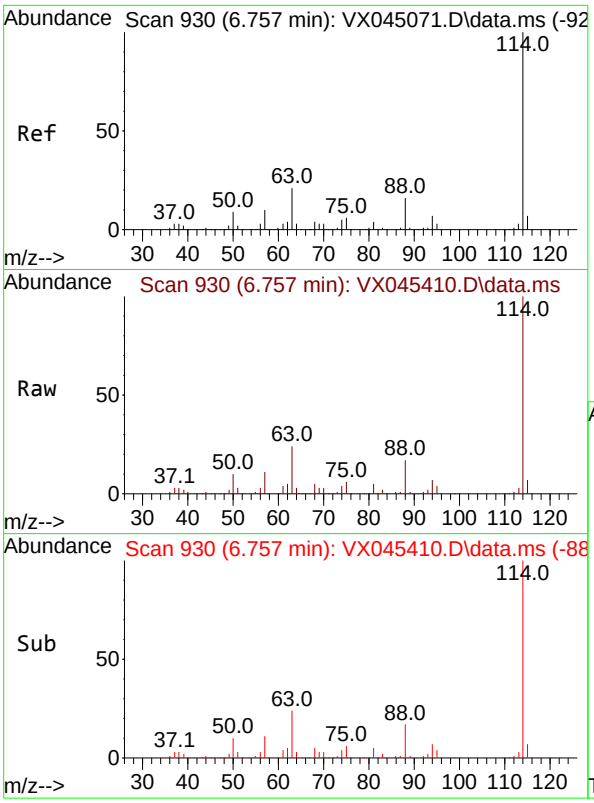


#33
1,2-Dichloroethane-d4
Concen: 55.388 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX045410.D
Acq: 24 Mar 2025 13:20

Tgt Ion: 65 Resp: 67809

Ion	Ratio	Lower	Upper
65	100		
67	50.2	0.0	106.2



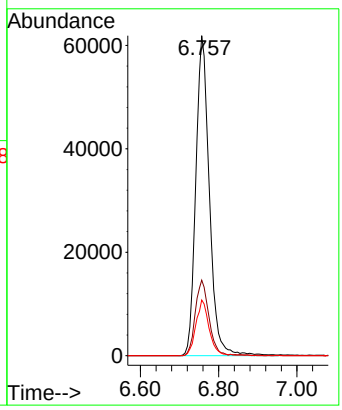


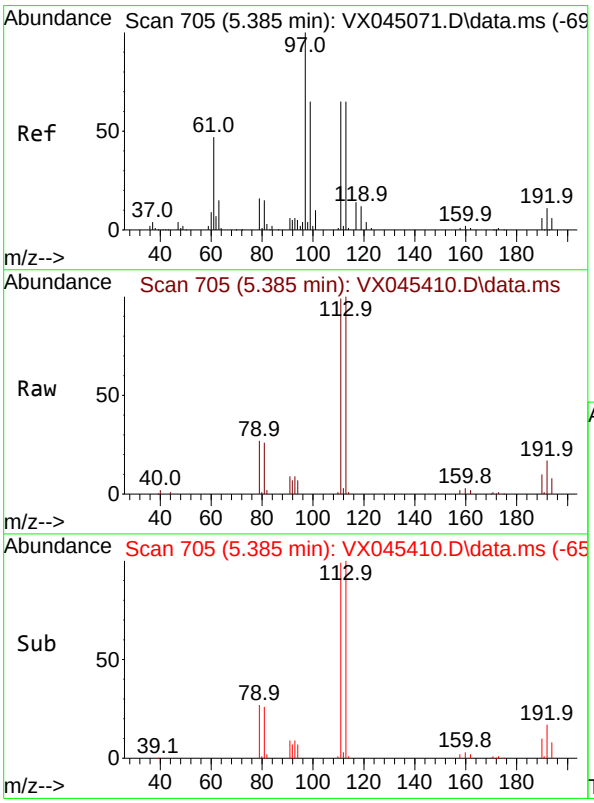
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX045410.D
Acq: 24 Mar 2025 13:20

Instrument :
MSVOA_X
ClientSampleId :
TB

Tgt Ion:114 Resp: 149564

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

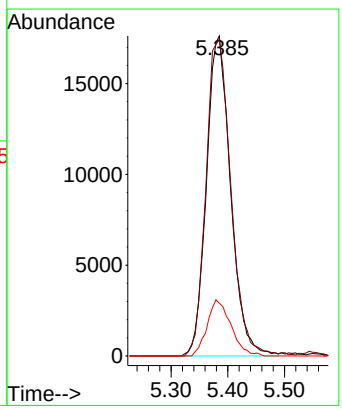


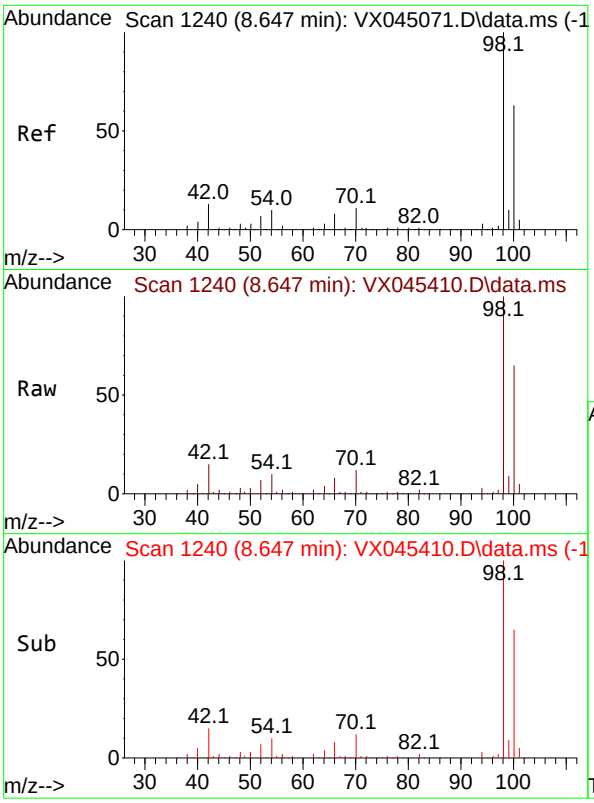


#35
Dibromofluoromethane
Concen: 52.168 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX045410.D
Acq: 24 Mar 2025 13:20

Tgt Ion:113 Resp: 52173

Ion	Ratio	Lower	Upper
113	100		
111	102.1	81.8	122.6
192	17.3	14.3	21.5



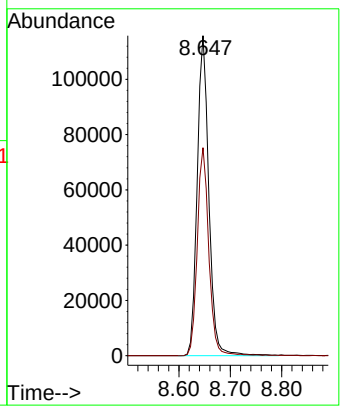


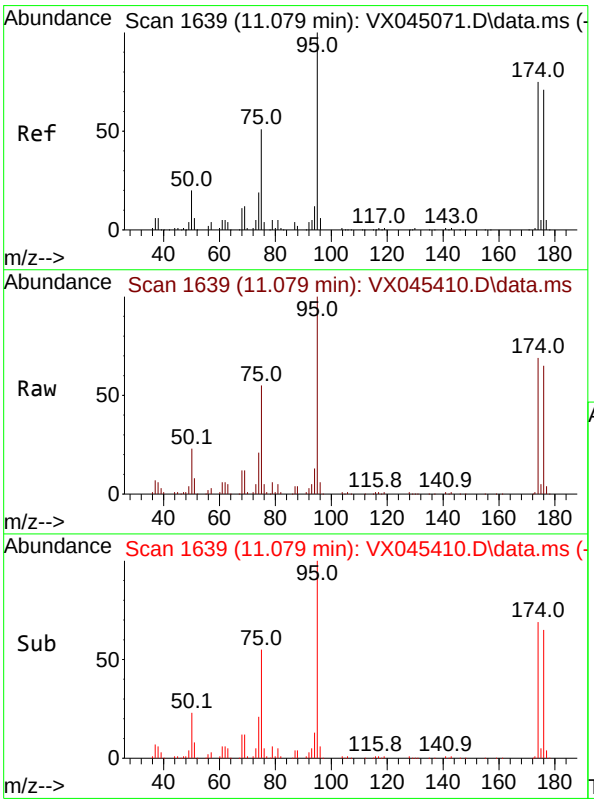
#50
Toluene-d8
Concen: 50.044 ug/l
RT: 8.647 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045410.D
Acq: 24 Mar 2025 13:20

Instrument :
MSVOA_X
ClientSampleId :
TB

Tgt Ion: 98 Resp: 181446

Ion	Ratio	Lower	Upper
98	100		
100	64.5	52.0	78.0

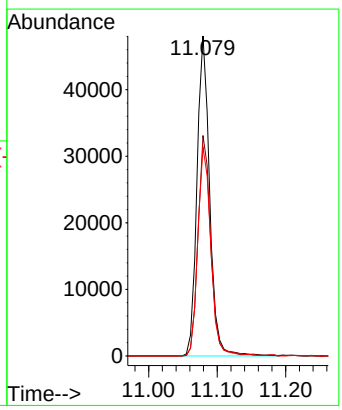


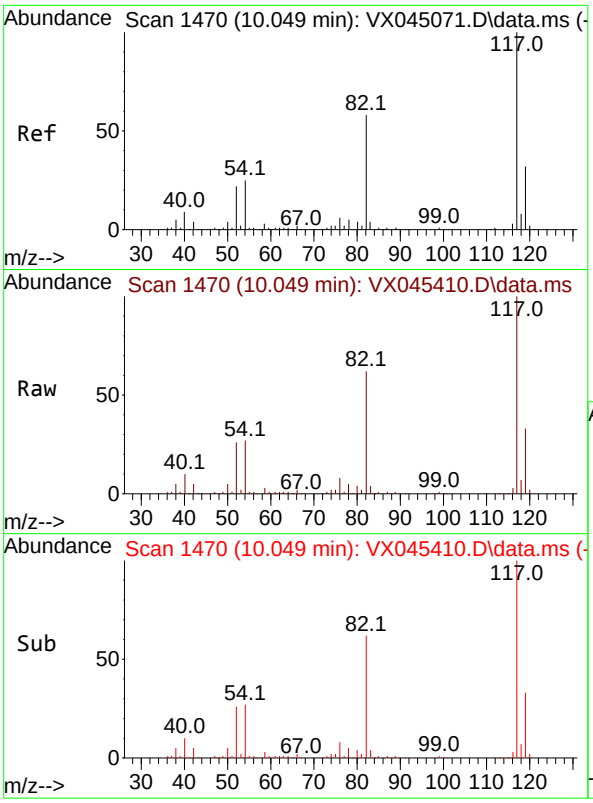


#62
4-Bromofluorobenzene
Concen: 51.543 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045410.D
Acq: 24 Mar 2025 13:20

Tgt Ion: 95 Resp: 61926

Ion	Ratio	Lower	Upper
95	100		
174	69.3	0.0	148.2
176	67.5	0.0	141.4



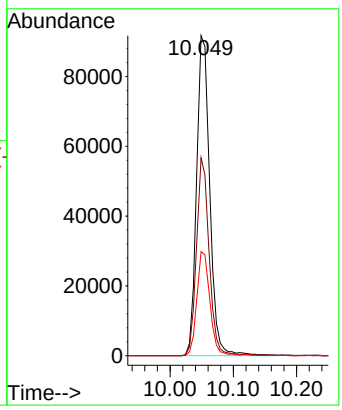


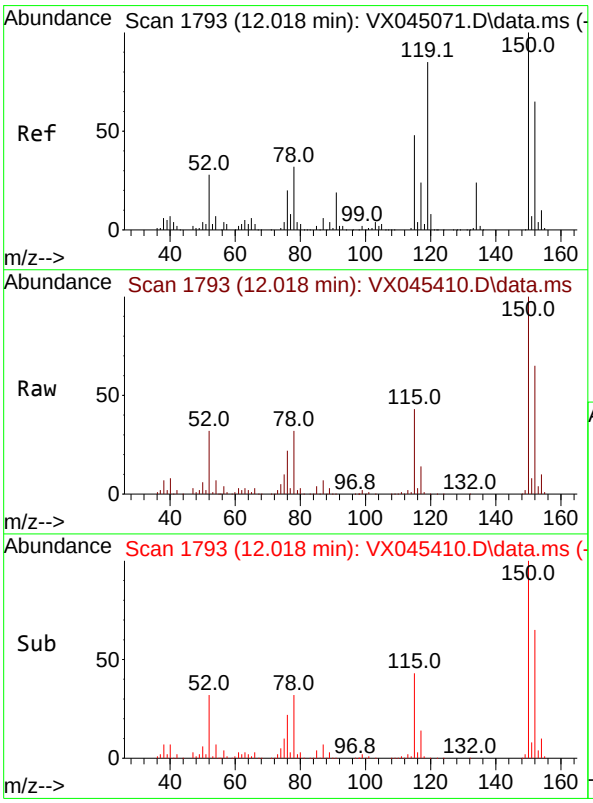
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045410.D
Acq: 24 Mar 2025 13:20

Instrument :
MSVOA_X
ClientSampleId :
TB

Tgt Ion:117 Resp: 133451

Ion	Ratio	Lower	Upper
117	100		
82	61.8	46.3	69.5
119	32.5	25.7	38.5

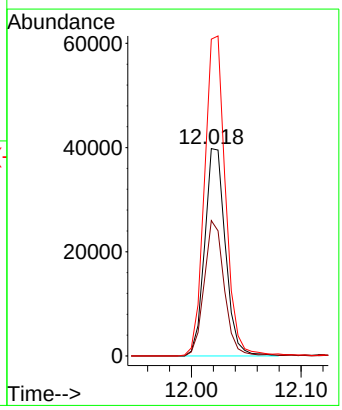




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045410.D
Acq: 24 Mar 2025 13:20

Tgt Ion:152 Resp: 52355

Ion	Ratio	Lower	Upper
152	100		
115	63.0	44.2	132.6
150	156.4	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.: Q1608 SAS No.: Q1608 SDG No.: Q1608

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
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VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: Q1608 SAS No.: Q1608 SDG No.: Q1608

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

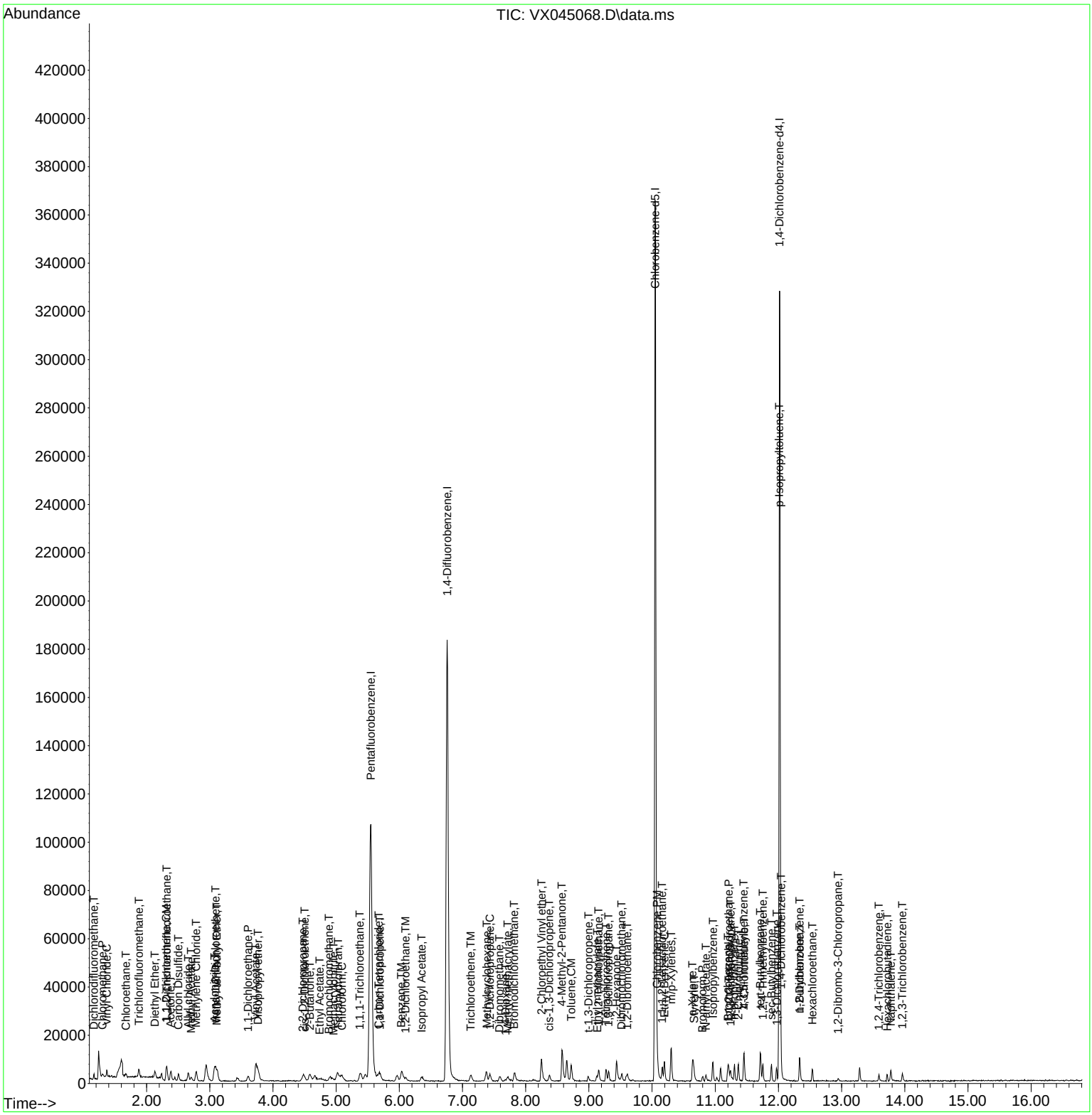
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045068.D
Acq On : 28 Feb 2025 01:27
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

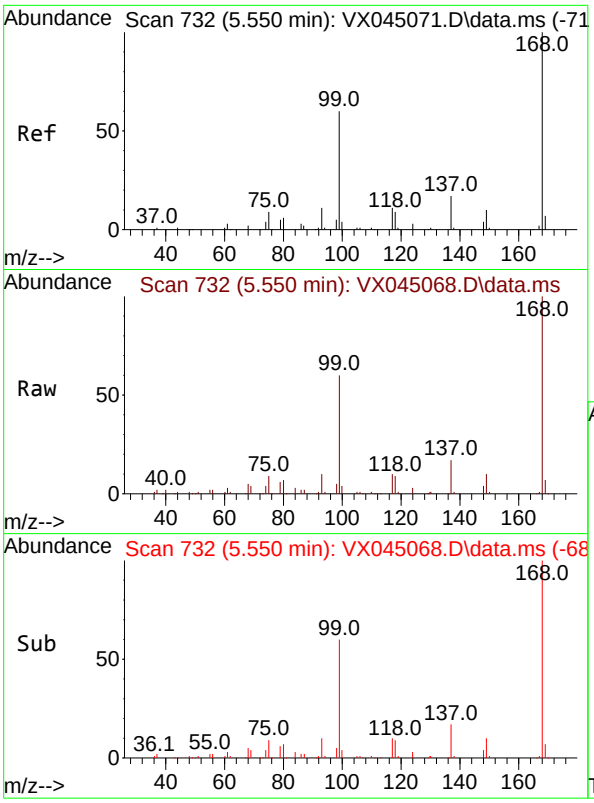
Quant Time: Feb 28 06:28:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:18:23 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

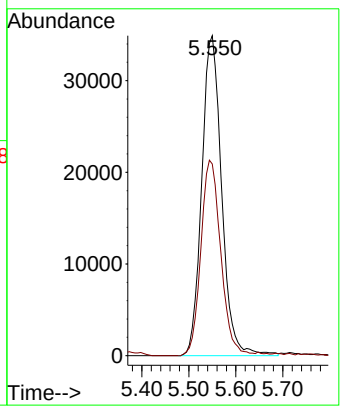




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:168 Resp: 10276

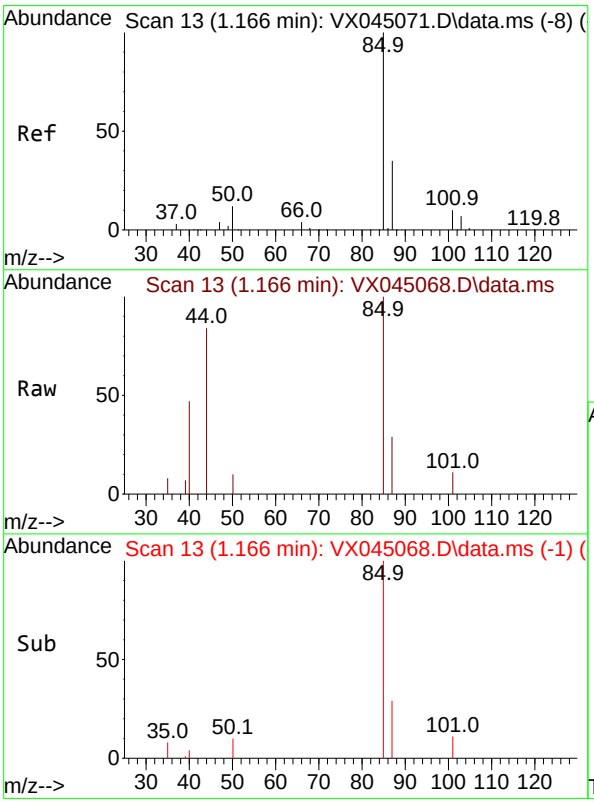
Ion	Ratio	Lower	Upper
168	100		
99	59.9	48.2	72.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

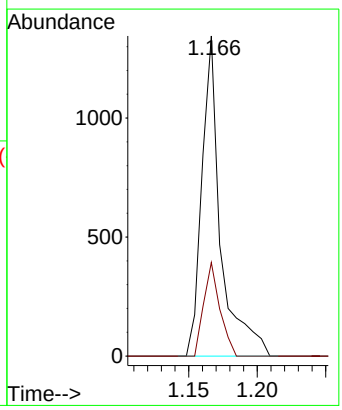
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

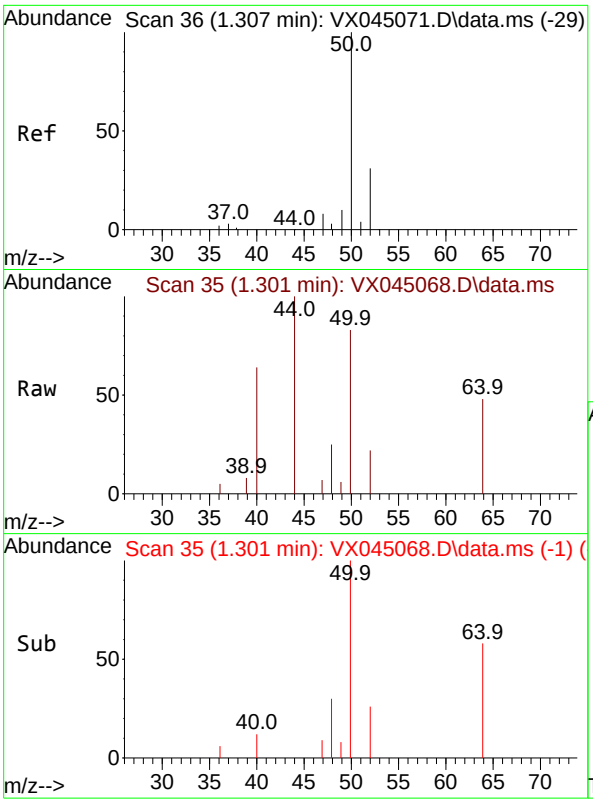


#2
Dichlorodifluoromethane
Concen: 1.007 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 85 Resp: 1282

Ion	Ratio	Lower	Upper
85	100		
87	29.2	17.4	52.3

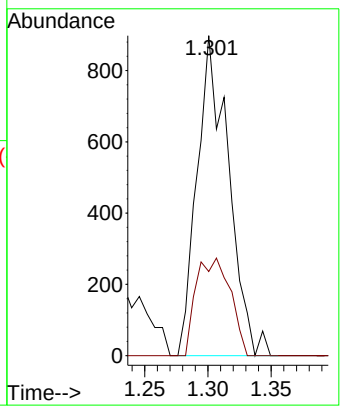




#3
Chloromethane
Concen: 0.975 ug/l
RT: 1.301 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 50 Resp: 155

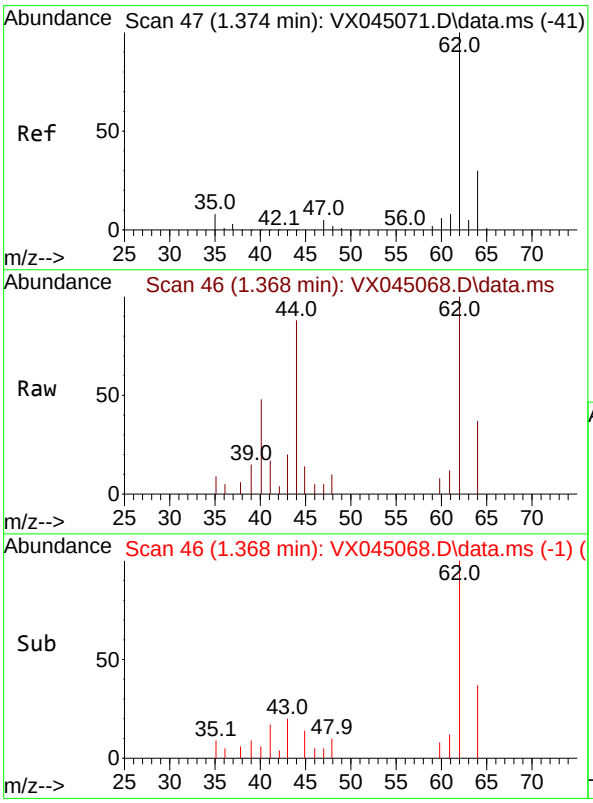
Ion	Ratio	Lower	Upper
50	100		
52	26.3	25.0	37.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

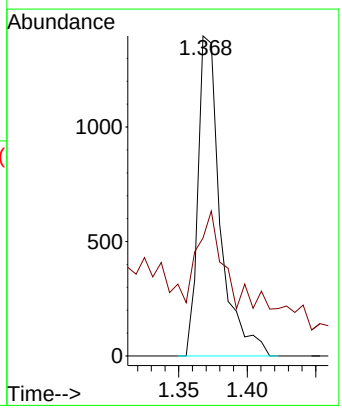
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

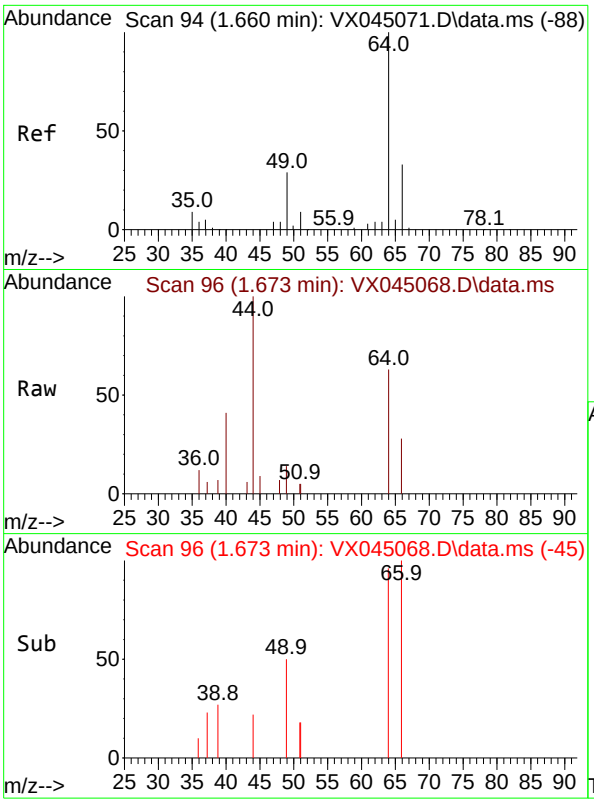


#4
Vinyl Chloride
Concen: 1.008 ug/l
RT: 1.368 min Scan# 46
Delta R.T. -0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 62 Resp: 1588

Ion	Ratio	Lower	Upper
62	100		
64	22.0	24.3	36.5#

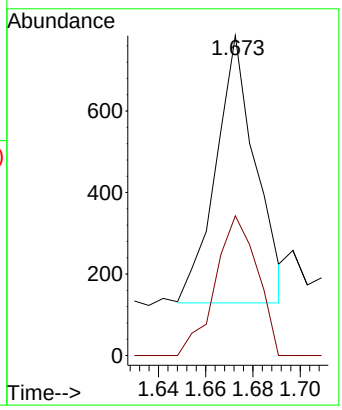




#6
Chloroethane
Concen: 0.992 ug/l m
RT: 1.673 min Scan# 9(
Delta R.T. 0.012 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 64 Resp: 76(

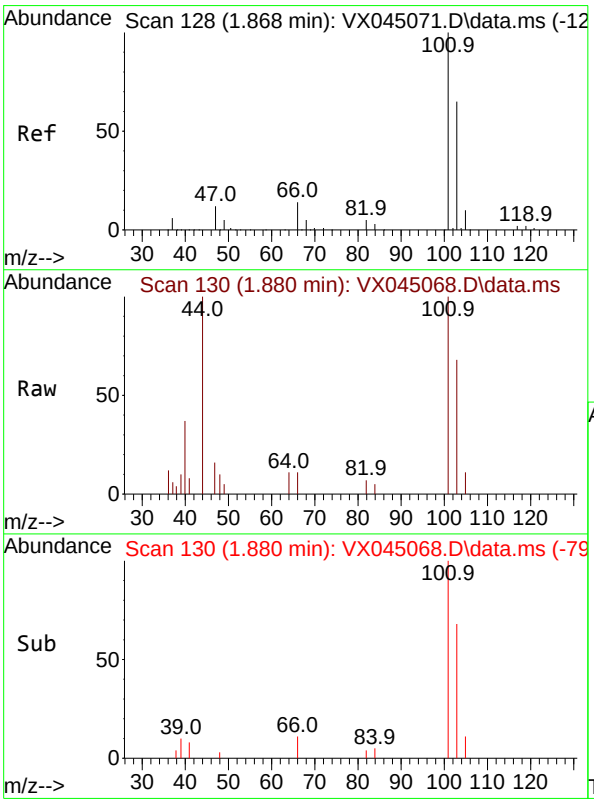
Ion	Ratio	Lower	Upper
64	100		
66	43.7	26.7	40.1#



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

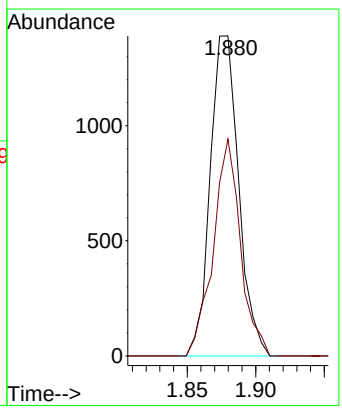
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

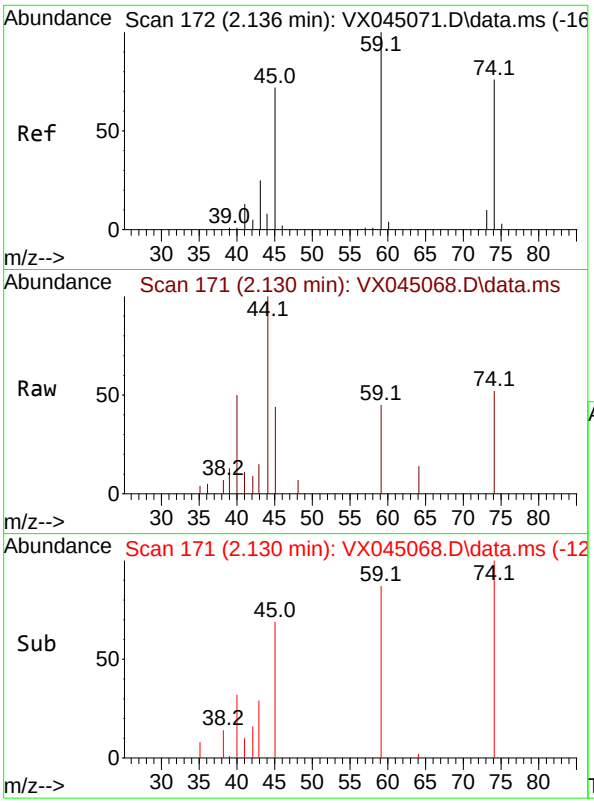


#7
Trichlorofluoromethane
Concen: 0.957 ug/l
RT: 1.880 min Scan# 130
Delta R.T. 0.012 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

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

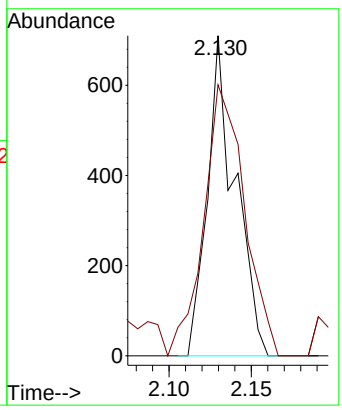
Tgt Ion: 74 Resp: 83

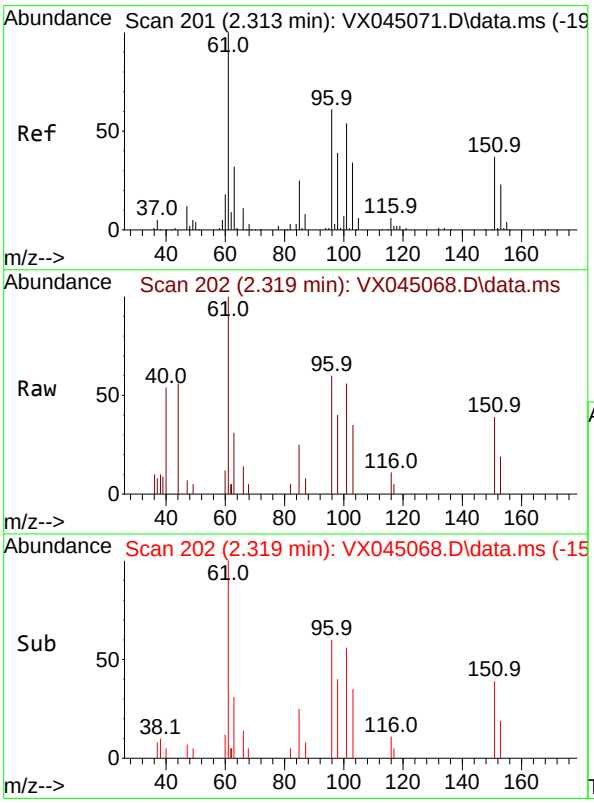
Ion	Ratio	Lower	Upper
74	100		
45	123.5	51.5	154.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

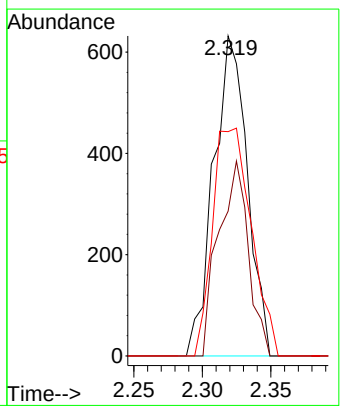


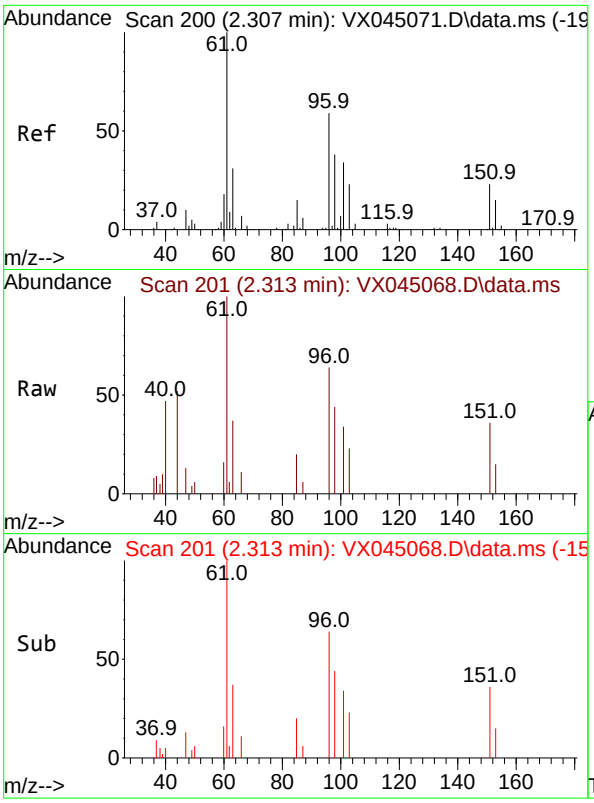


#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.884 ug/l
RT: 2.319 min Scan# 202
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

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

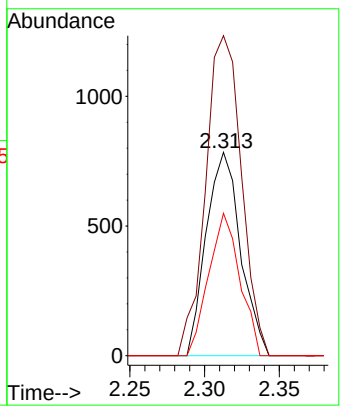




#12
1,1-Dichloroethene
Concen: 0.991 ug/l
RT: 2.313 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 96 Resp: 125

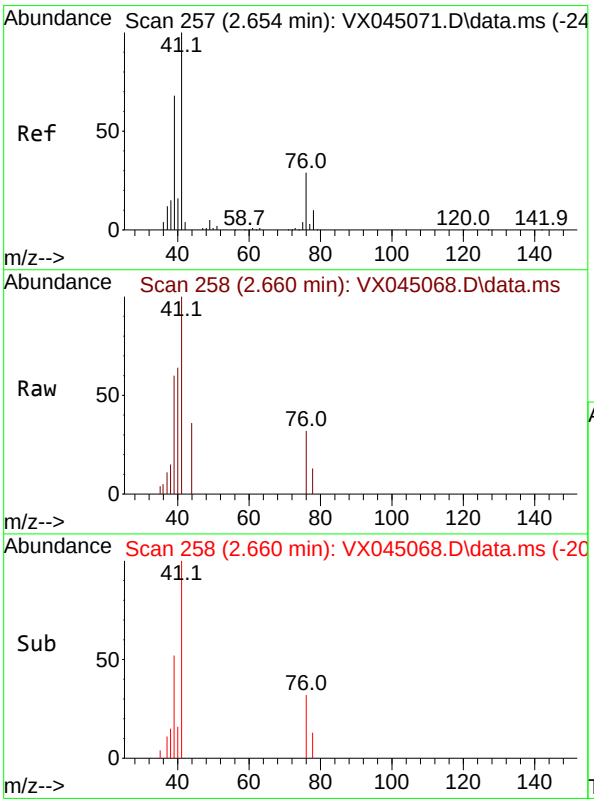
Ion	Ratio	Lower	Upper
96	100		
61	157.4	134.6	202.0
98	70.0	51.0	76.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

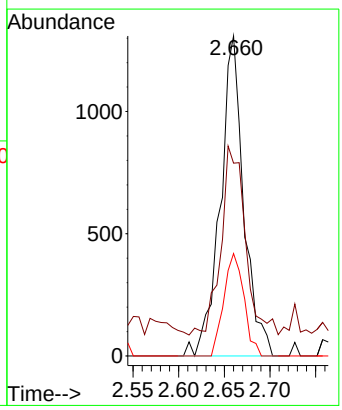
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

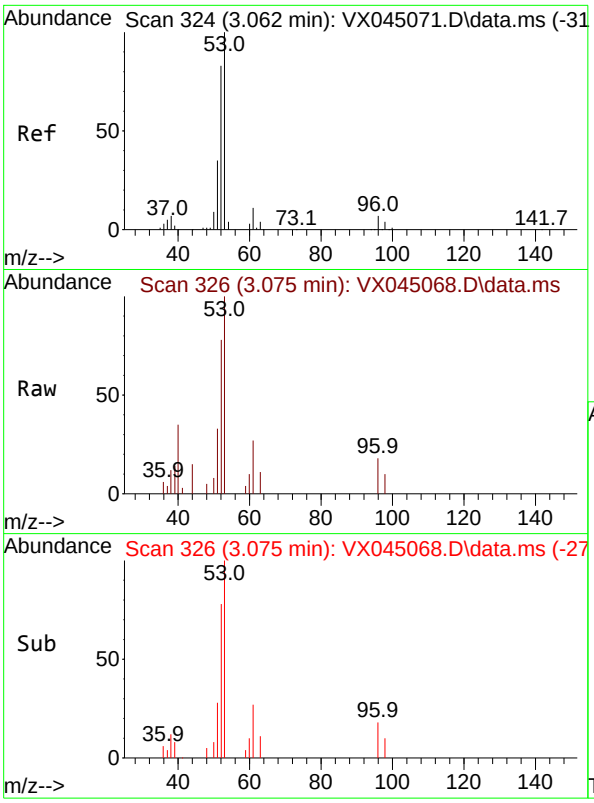


#14
Allyl chloride
Concen: 1.055 ug/l
RT: 2.660 min Scan# 258
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

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

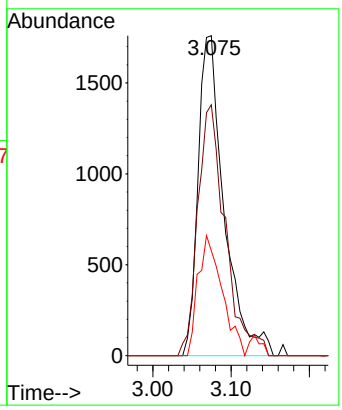




#15
Acrylonitrile
Concen: 4.931 ug/l
RT: 3.075 min Scan# 3
Delta R.T. 0.012 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 53 Resp: 406

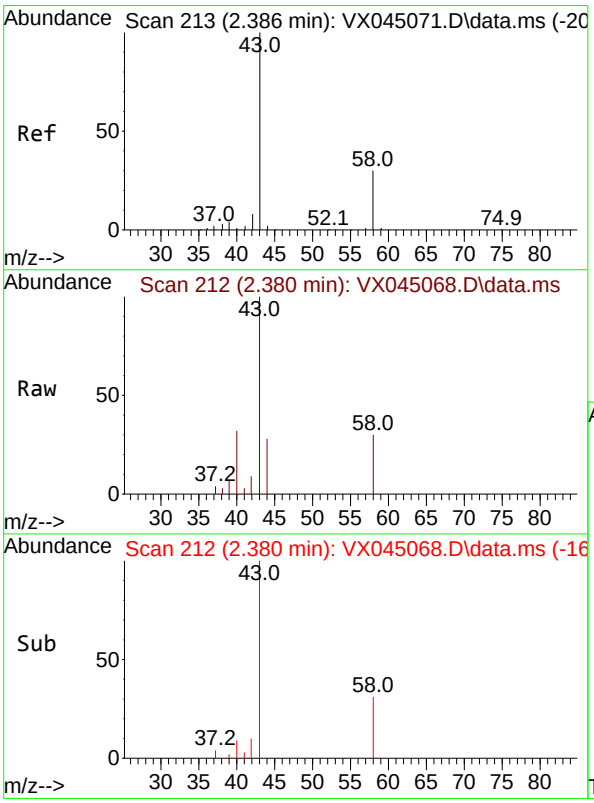
Ion	Ratio	Lower	Upper
53	100		
52	82.6	66.2	99.2
51	34.6	29.0	43.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

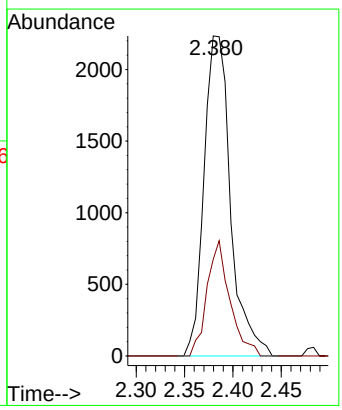
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

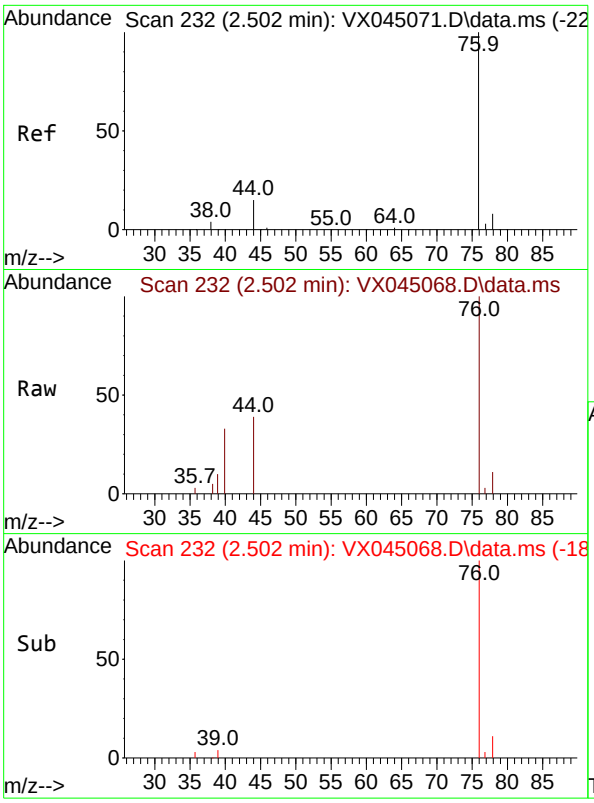


#16
Acetone
Concen: 5.635 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

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

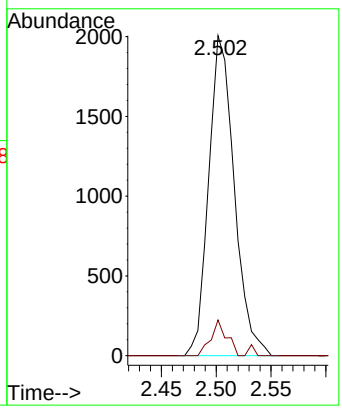
Tgt Ion: 76 Resp: 325

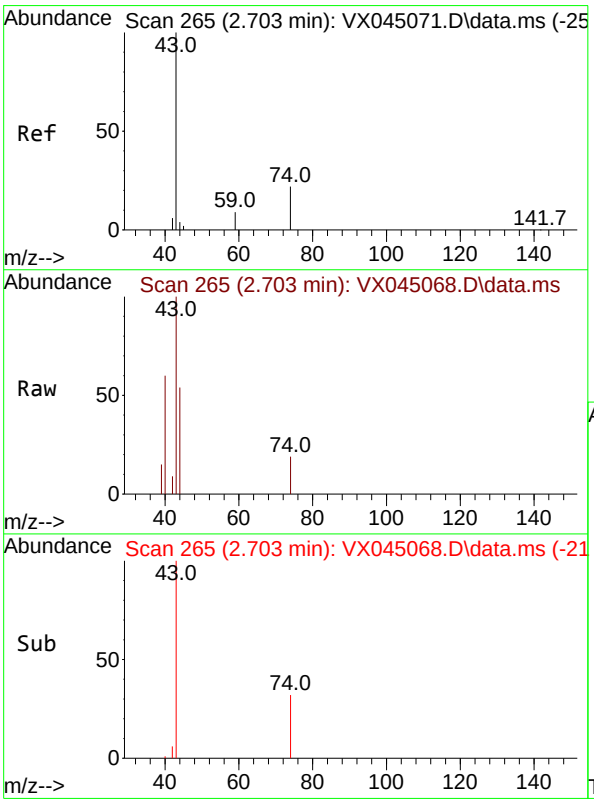
Ion	Ratio	Lower	Upper
76	100		
78	11.2	6.6	9.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

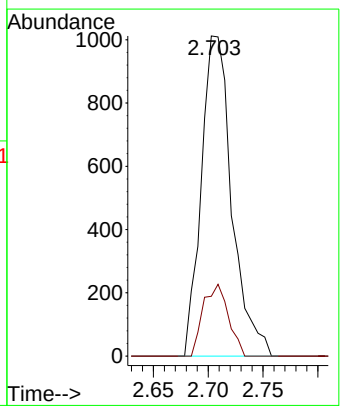


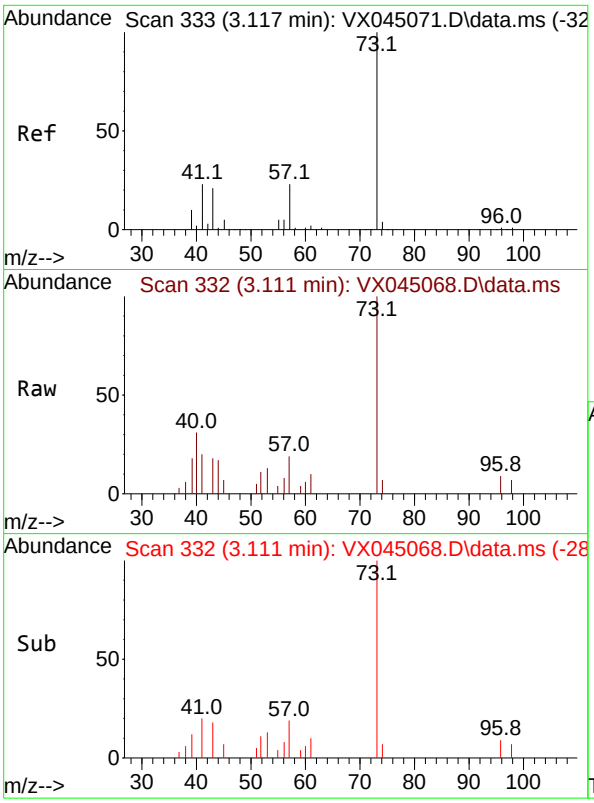


#18
Methyl Acetate
Concen: 1.066 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 43 Resp: 1960

Ion	Ratio	Lower	Upper
43	100		
74	18.5	17.4	26.2

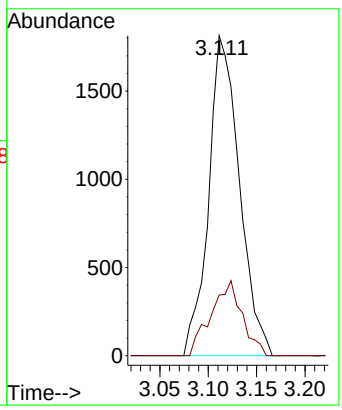




#19
Methyl tert-butyl Ether
Concen: 0.943 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 73 Resp: 401

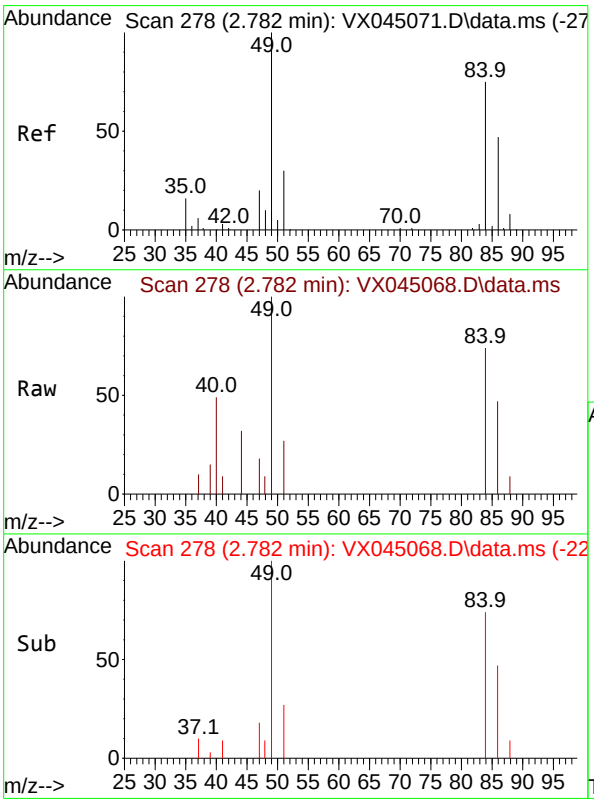
Ion	Ratio	Lower	Upper
73	100		
57	19.0	18.5	27.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

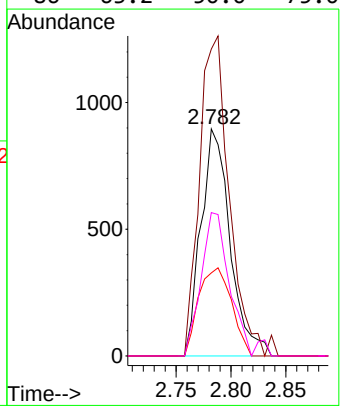
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

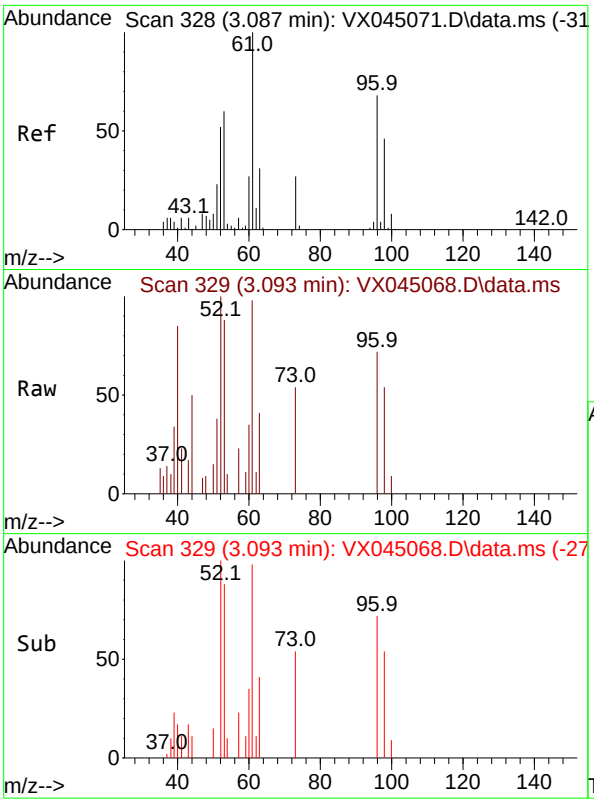


#20
Methylene Chloride
Concen: 1.095 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

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

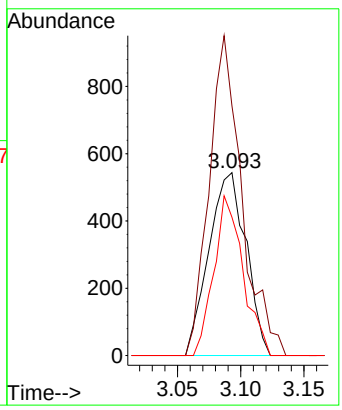




#21
trans-1,2-Dichloroethene
Concen: 0.869 ug/l
RT: 3.093 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 96 Resp: 110

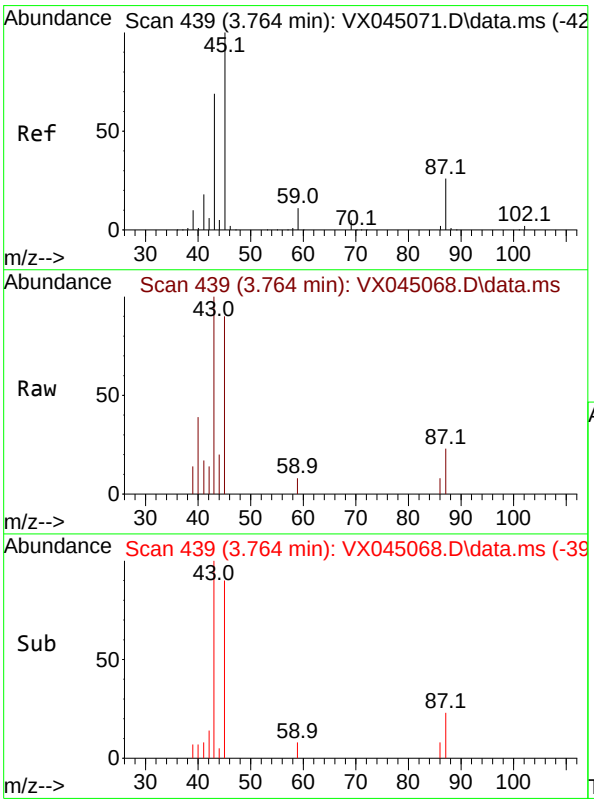
Ion	Ratio	Lower	Upper
96	100		
61	136.4	117.0	175.4
98	75.6	53.4	80.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

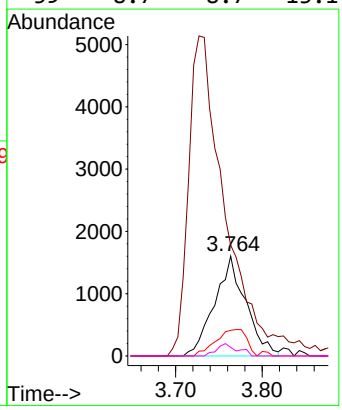
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

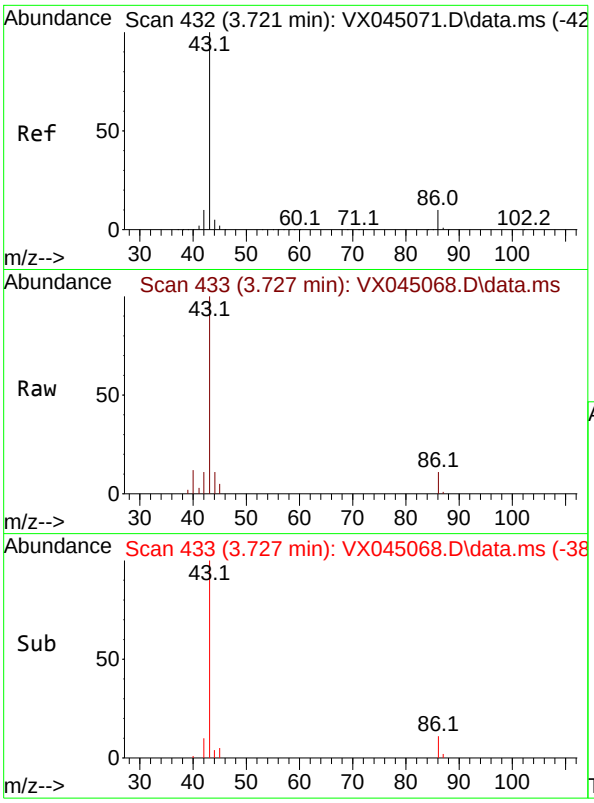


#22
Diisopropyl ether
Concen: 0.871 ug/l
RT: 3.764 min Scan# 439
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

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

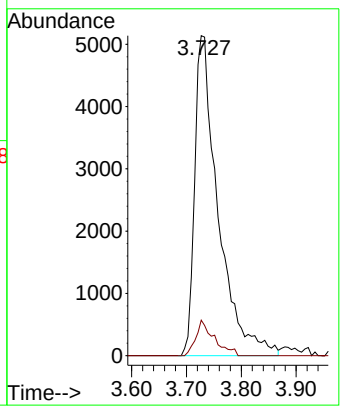
Tgt Ion: 43 Resp: 1527

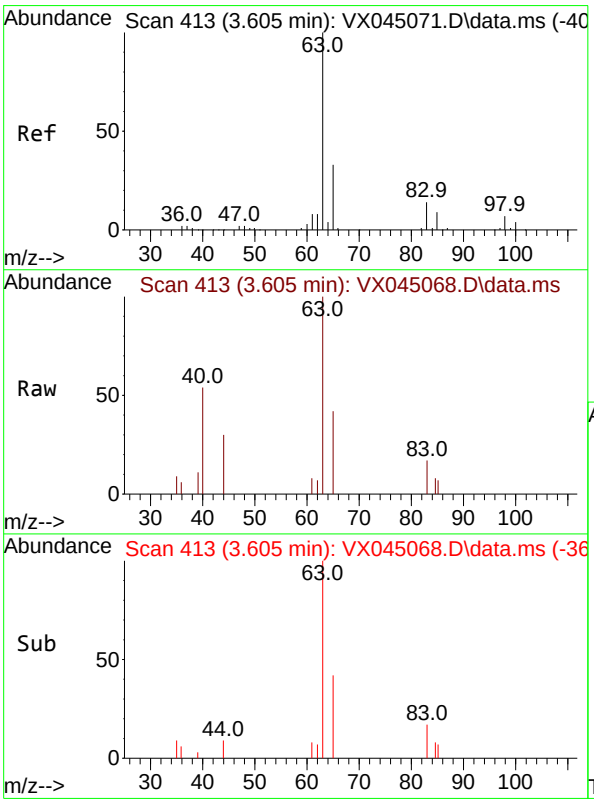
Ion	Ratio	Lower	Upper
43	100		
86	11.1	8.1	12.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

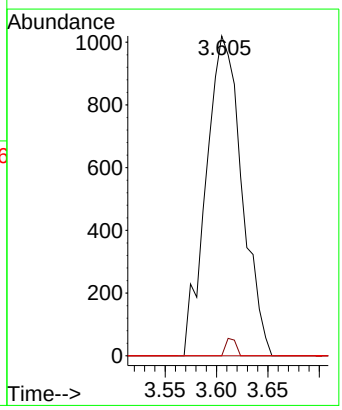


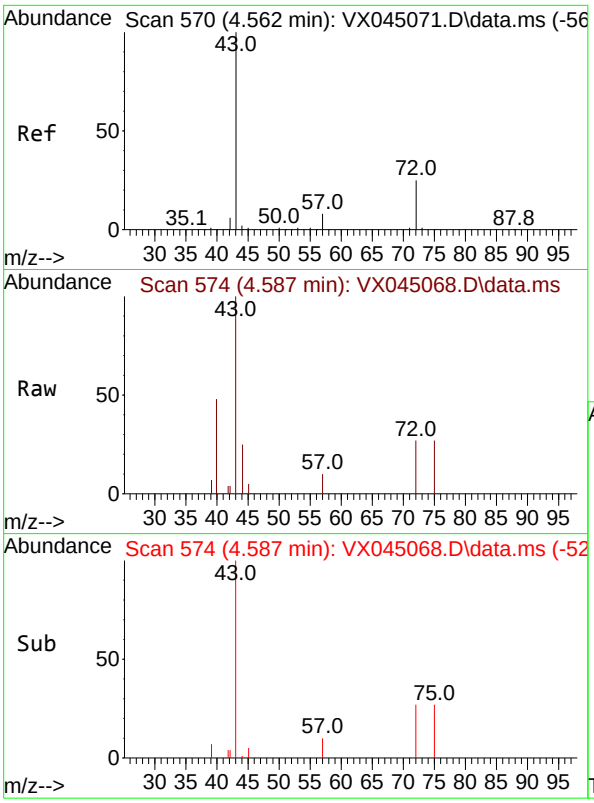


#24
1,1-Dichloroethane
Concen: 0.958 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

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#

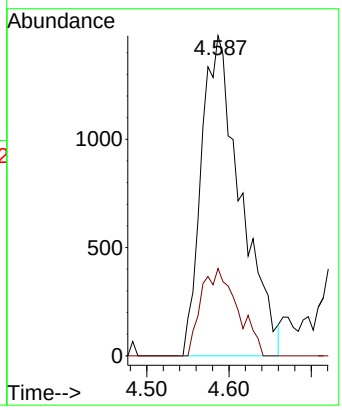




#25
2-Butanone
Concen: 4.252 ug/l
RT: 4.587 min Scan# 5
Delta R.T. 0.024 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 43 Resp: 489

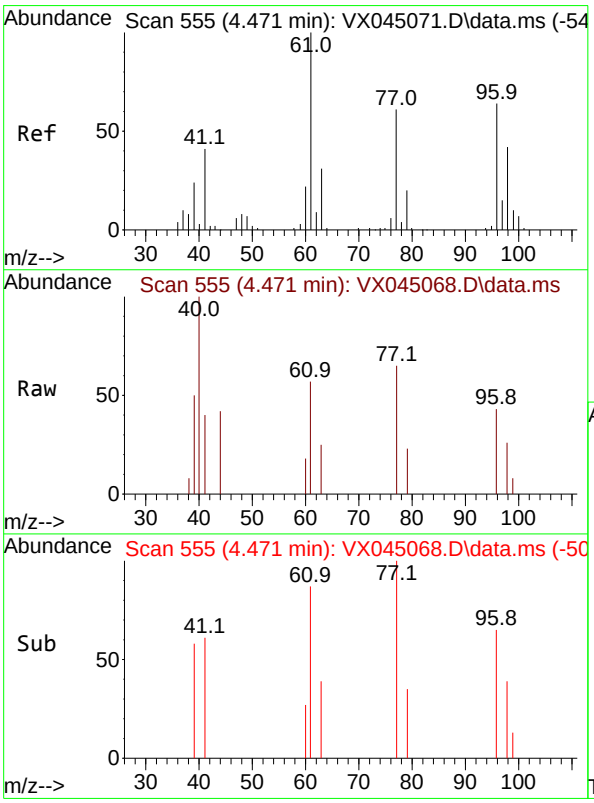
Ion	Ratio	Lower	Upper
43	100		
72	27.2	20.0	30.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

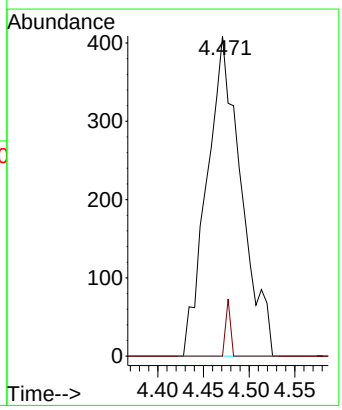
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

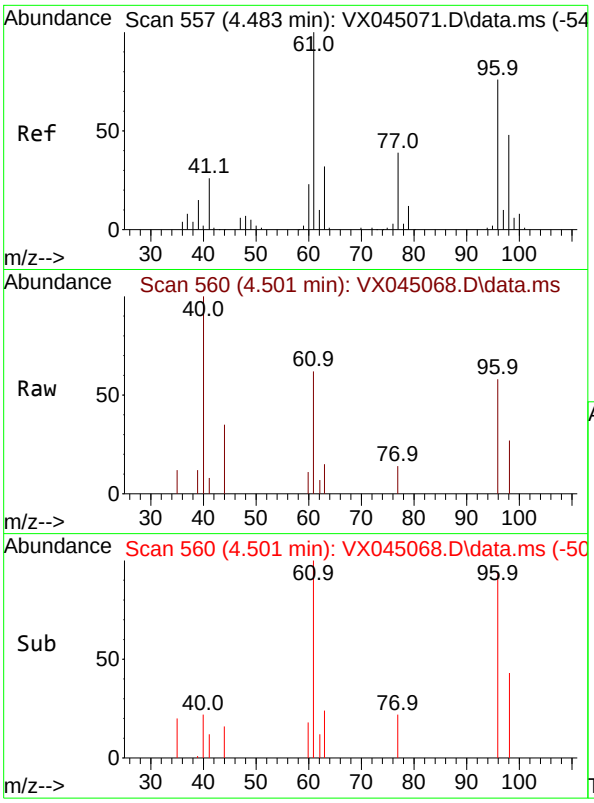


#26
2,2-Dichloropropane
Concen: 0.872 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 77 Resp: 1066

Ion	Ratio	Lower	Upper
77	100		
97	2.5	12.4	37.0#

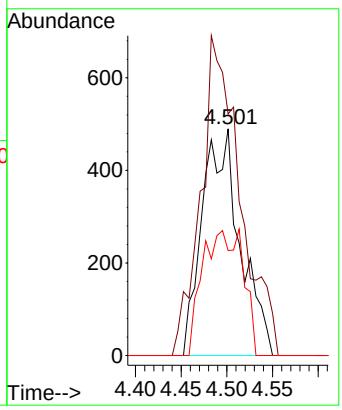




#27
cis-1,2-Dichloroethene
Concen: 0.902 ug/l
RT: 4.501 min Scan# 5
Delta R.T. 0.018 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 96 Resp: 141

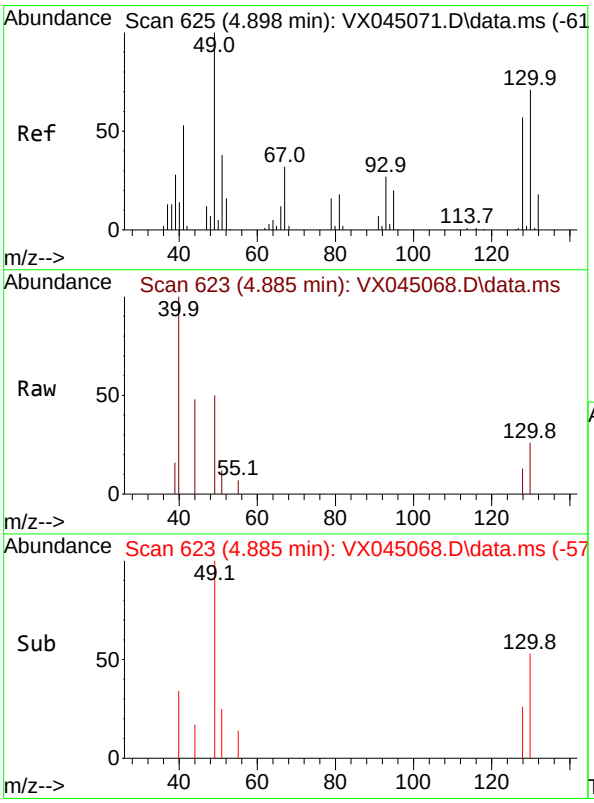
Ion	Ratio	Lower	Upper
96	100		
61	0.0	0.0	283.2
98	59.1	0.0	128.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

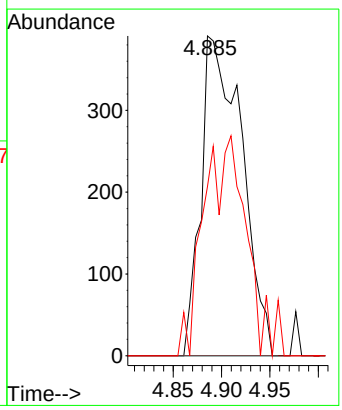
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

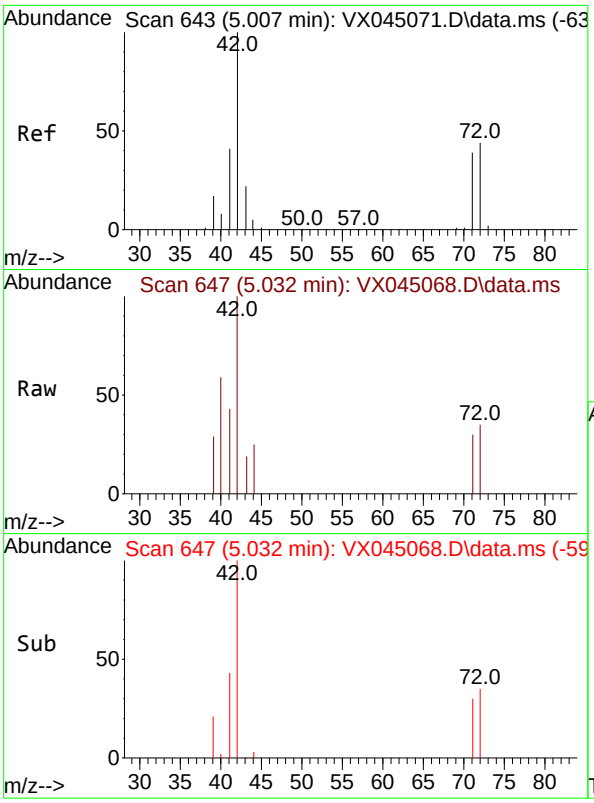


#28
Bromochloromethane
Concen: 0.958 ug/l
RT: 4.885 min Scan# 623
Delta R.T. -0.012 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

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#

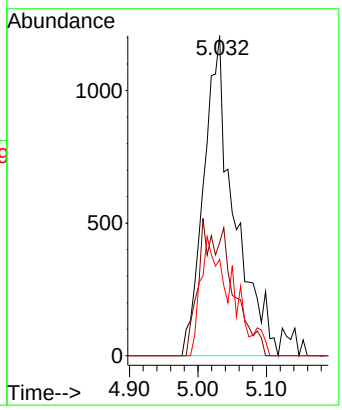




#29
Tetrahydrofuran
Concen: 4.809 ug/l
RT: 5.032 min Scan# 64
Delta R.T. 0.024 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 42 Resp: 3719

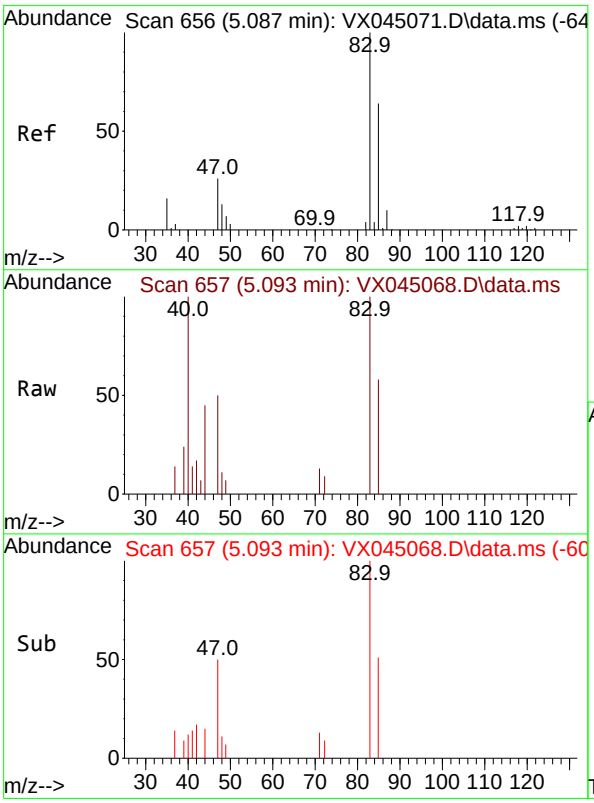
Ion	Ratio	Lower	Upper
42	100		
72	0.0	34.1	51.1#
71	0.0	31.4	47.0#



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

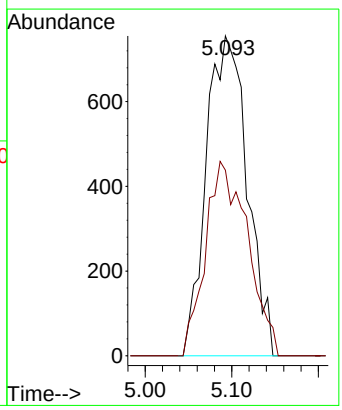
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

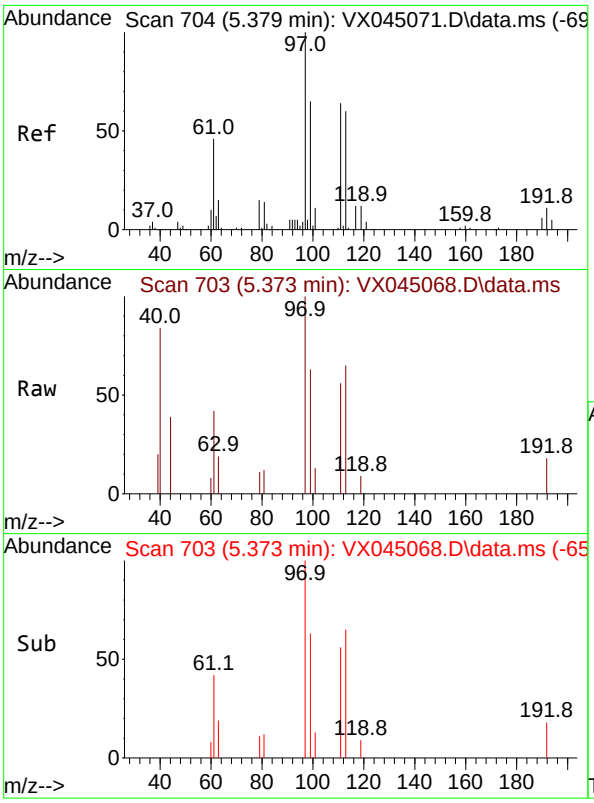


#30
Chloroform
Concen: 0.978 ug/l
RT: 5.093 min Scan# 657
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

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

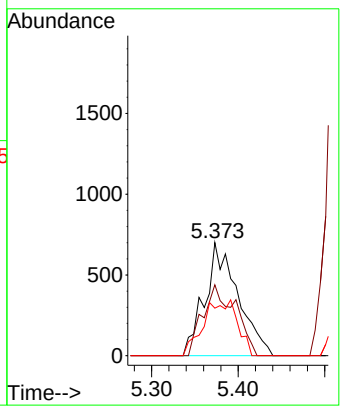
Tgt Ion: 97 Resp: 186

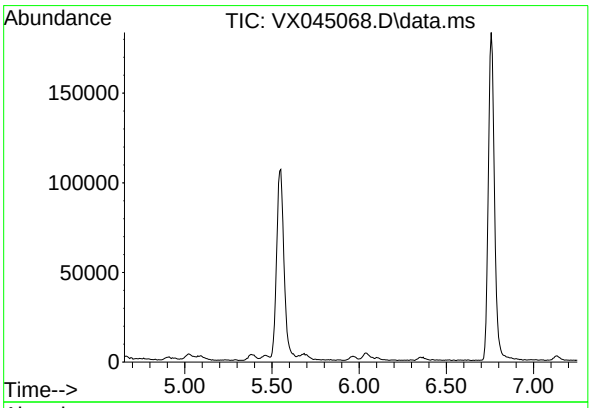
Ion	Ratio	Lower	Upper
97	100		
99	0.0	51.6	77.4#
61	50.0	38.4	57.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



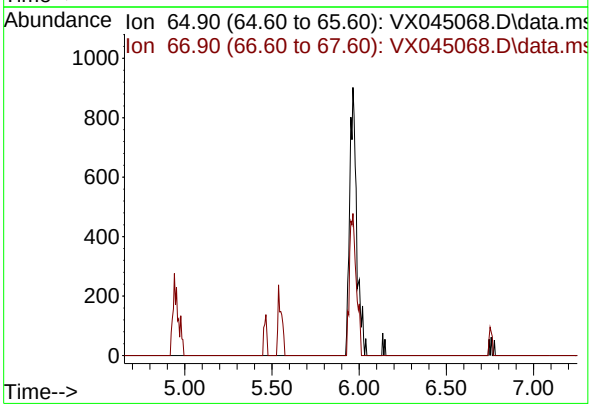


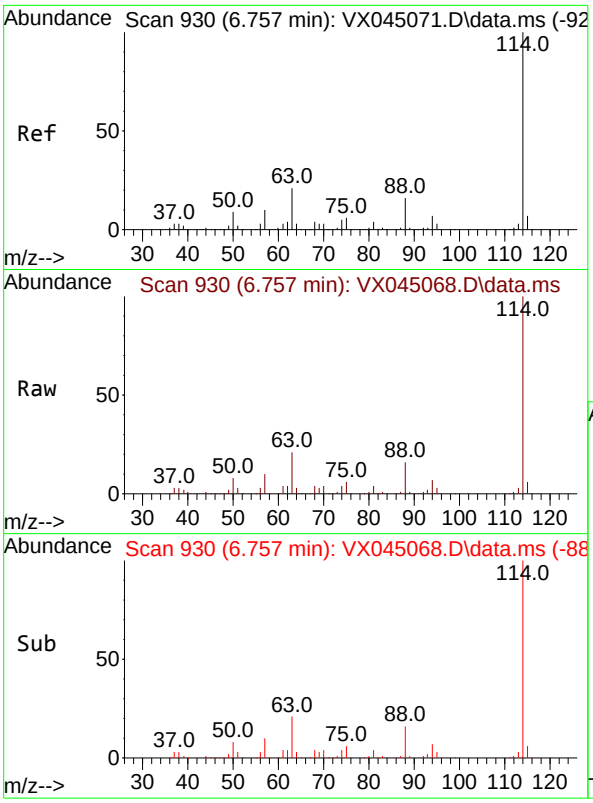
#33
1,2-Dichloroethane-d4
Concen: 0.000 ug/l
Expected RT: 5.95 min

Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 65

Sig	Exp Ratio
65	100
67	53.1

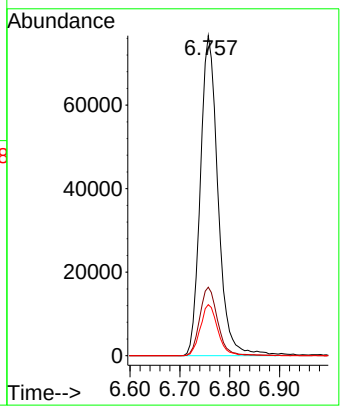




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 9
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:114 Resp: 18864

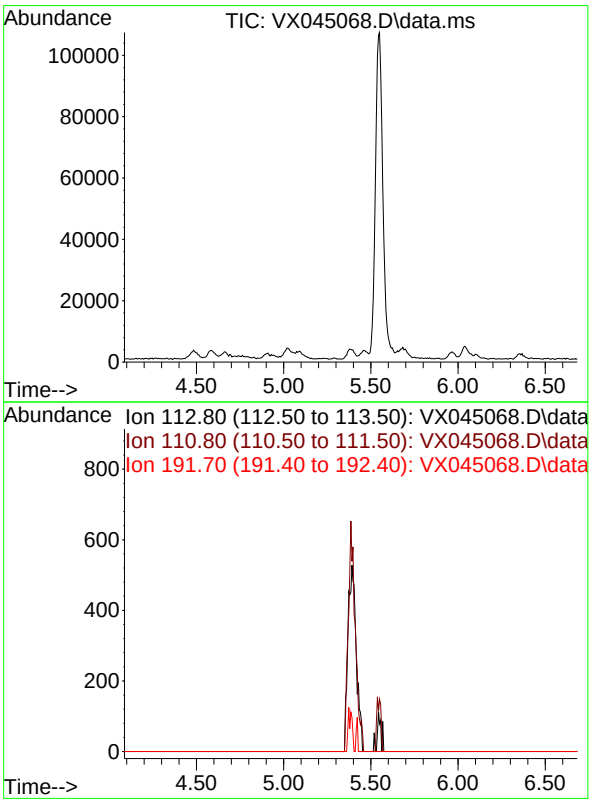
Ion	Ratio	Lower	Upper
114	100		
63	21.4	0.0	41.8
88	16.0	0.0	32.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

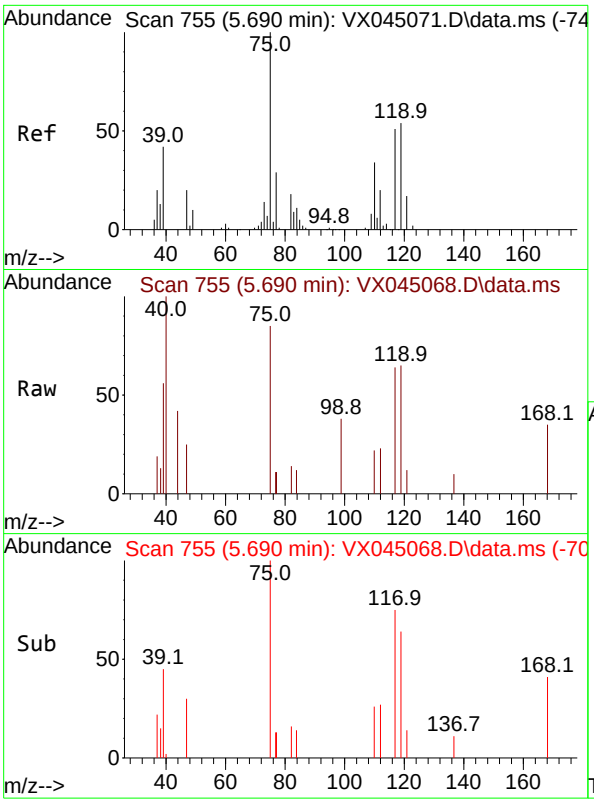


#35
Dibromofluoromethane
Concen: 0.000 ug/l
Expected RT: 5.39 min

Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 113

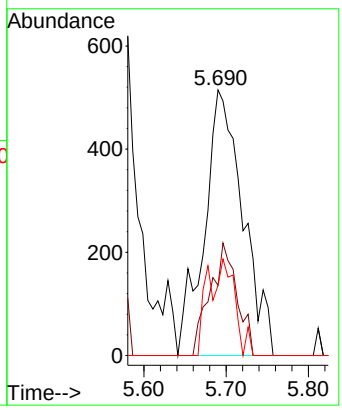
Sig	Exp Ratio
113	100
111	102.2
192	17.9



#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

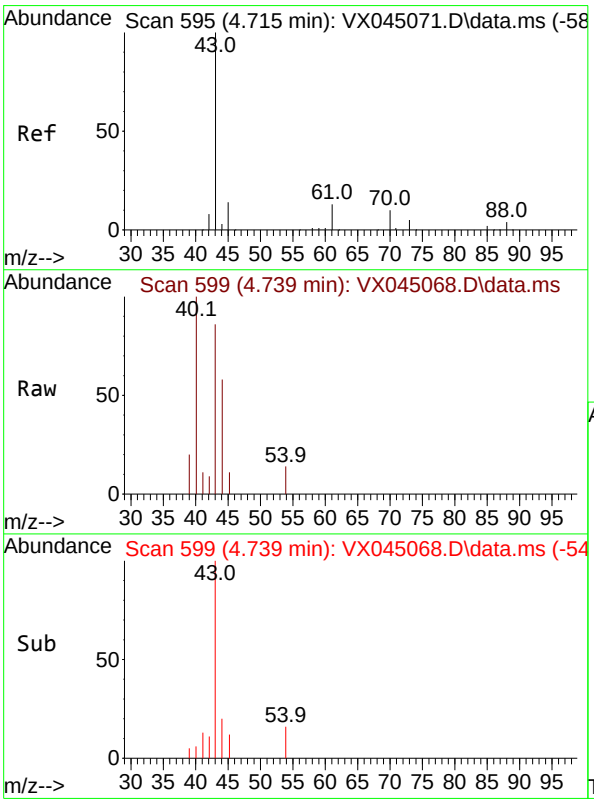
Ion	Ratio	Lower	Upper
75	100		
110	29.6	16.9	50.6
77	16.4	24.5	36.7#



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

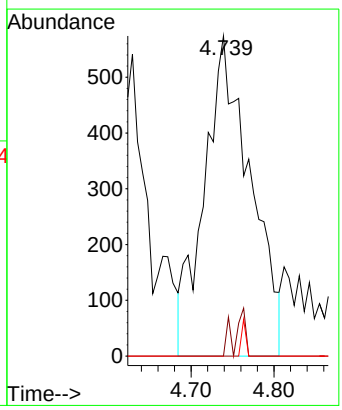
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

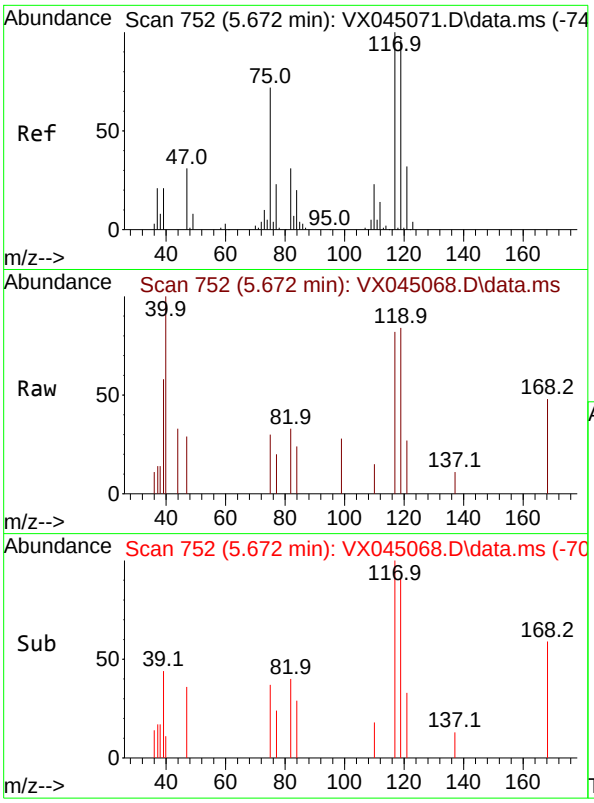


#37
Ethyl Acetate
Concen: 0.988 ug/l m
RT: 4.739 min Scan# 599
Delta R.T. 0.024 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

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#

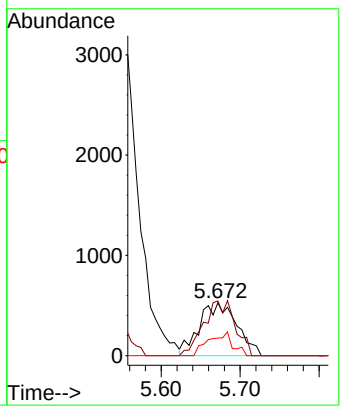




#38
Carbon Tetrachloride
Concen: 0.987 ug/l m
RT: 5.672 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:117 Resp: 174

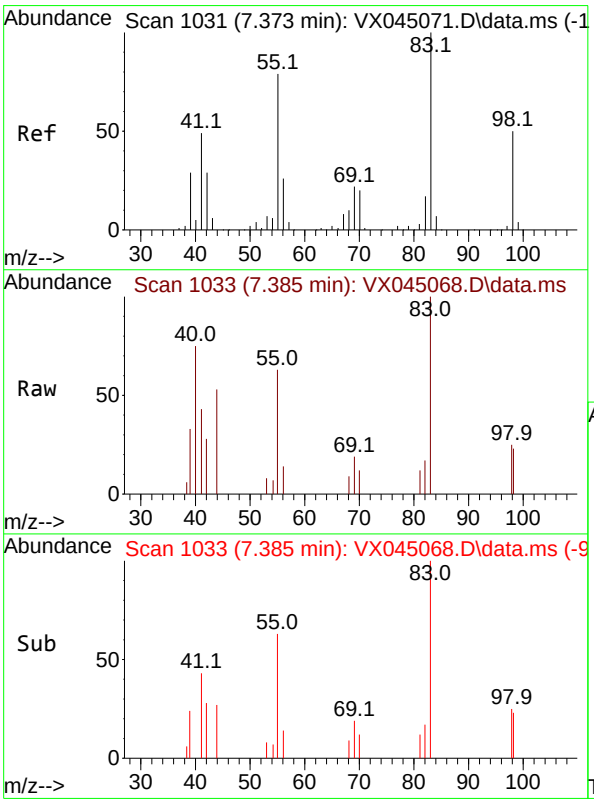
Ion	Ratio	Lower	Upper
117	100		
119	103.4	76.7	115.1
121	33.2	25.5	38.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

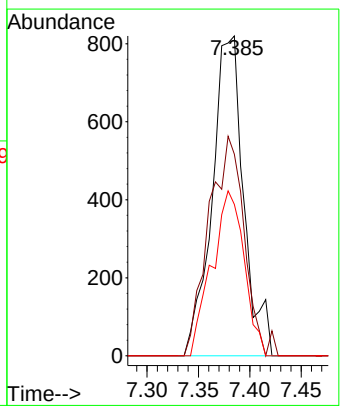
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

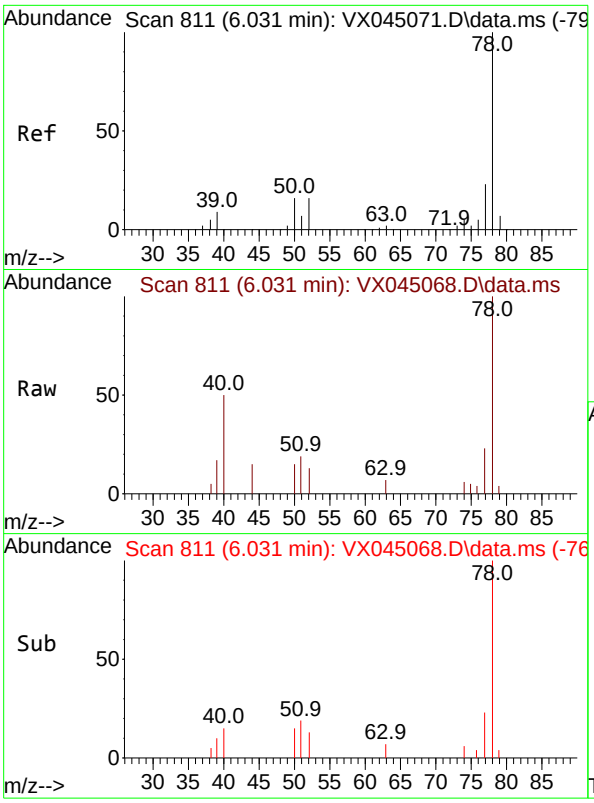


#39
Methylcyclohexane
Concen: 0.831 ug/l
RT: 7.385 min Scan# 1033
Delta R.T. 0.012 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

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

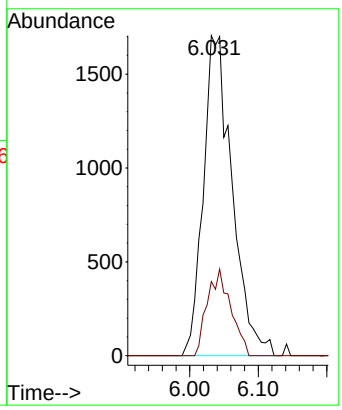




#40
Benzene
Concen: 0.907 ug/l
RT: 6.031 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 78 Resp: 498

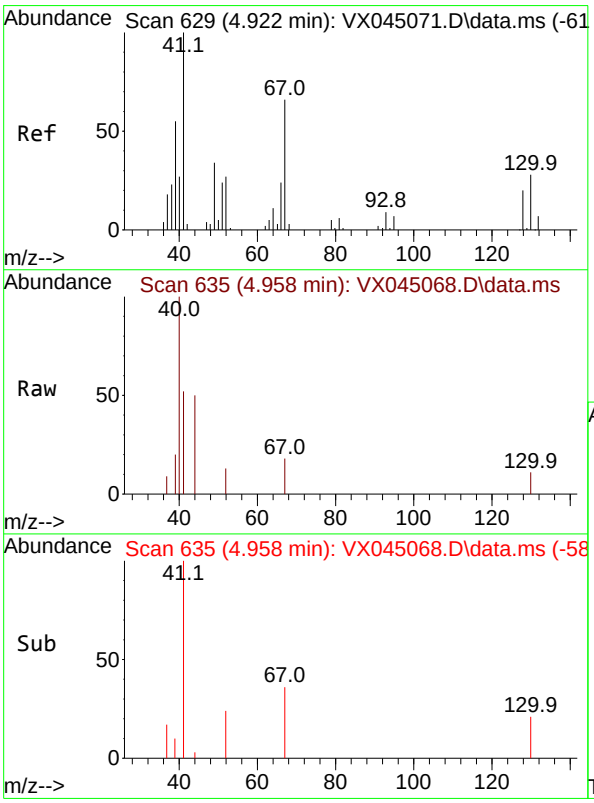
Ion	Ratio	Lower	Upper
78	100		
77	23.2	18.8	28.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

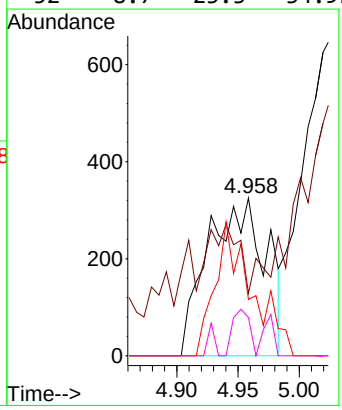
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

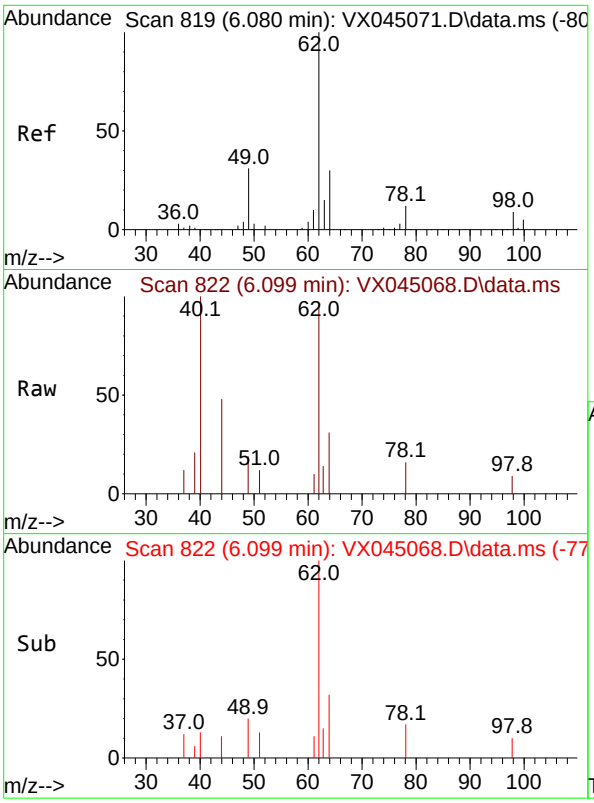


#41
Methacrylonitrile
Concen: 0.879 ug/l m
RT: 4.958 min Scan# 635
Delta R.T. 0.037 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

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#

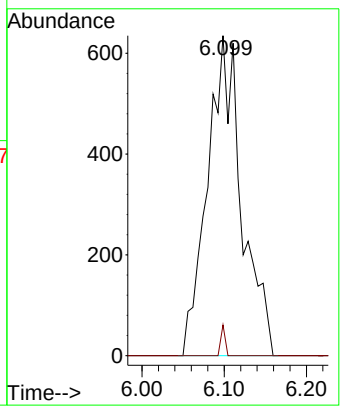




#42
1,2-Dichloroethane
Concen: 0.924 ug/l
RT: 6.099 min Scan# 8
Delta R.T. 0.018 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 62 Resp: 183

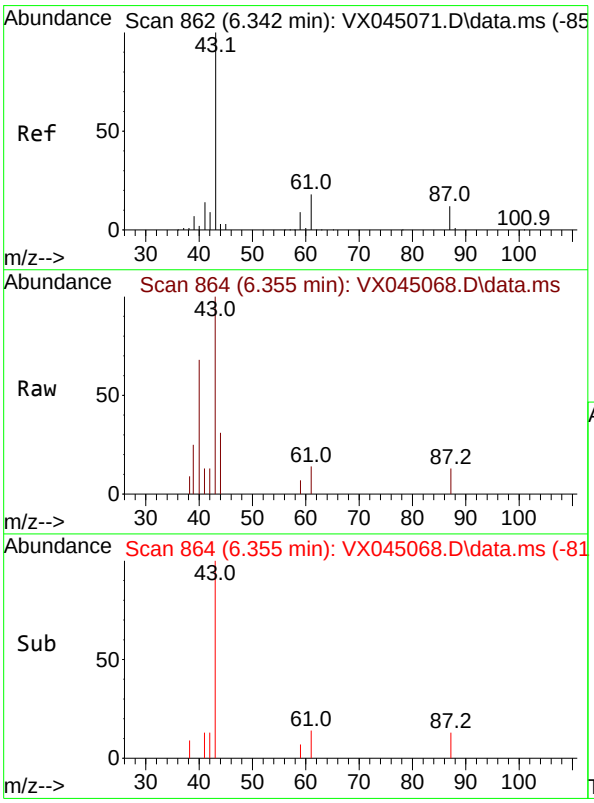
Ion	Ratio	Lower	Upper
62	100		
98	1.2	0.0	18.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

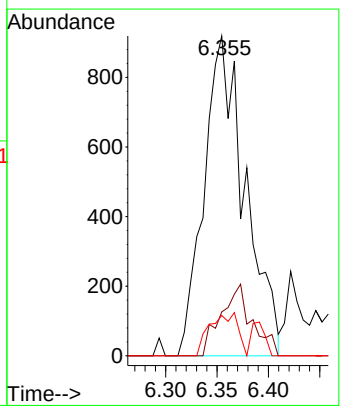
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

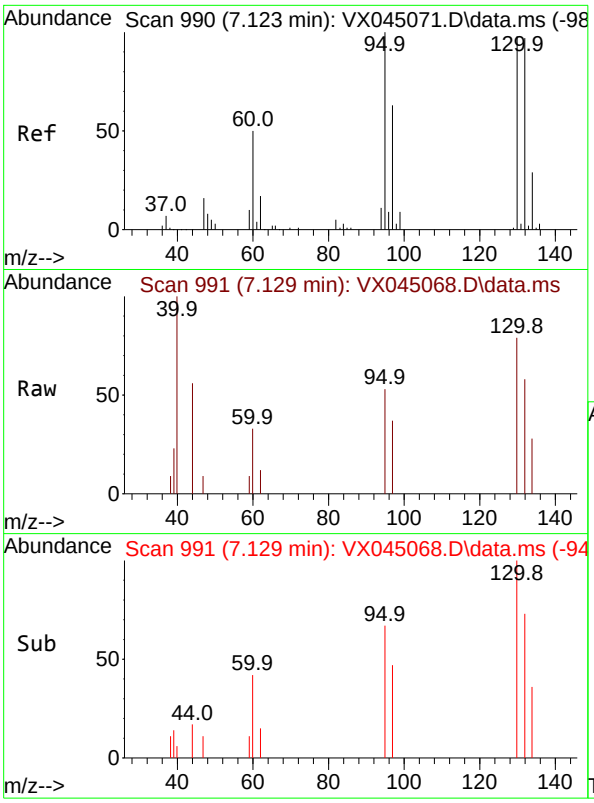


#43
Isopropyl Acetate
Concen: 0.767 ug/l
RT: 6.355 min Scan# 864
Delta R.T. 0.012 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

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#

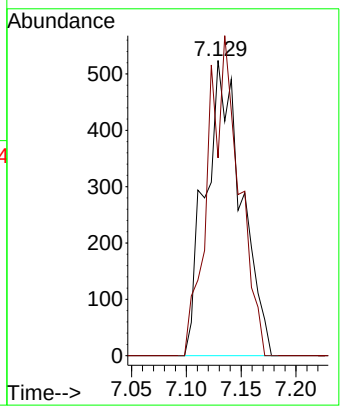




#44
Trichloroethene
Concen: 0.933 ug/l
RT: 7.129 min Scan# 9
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:130 Resp: 120

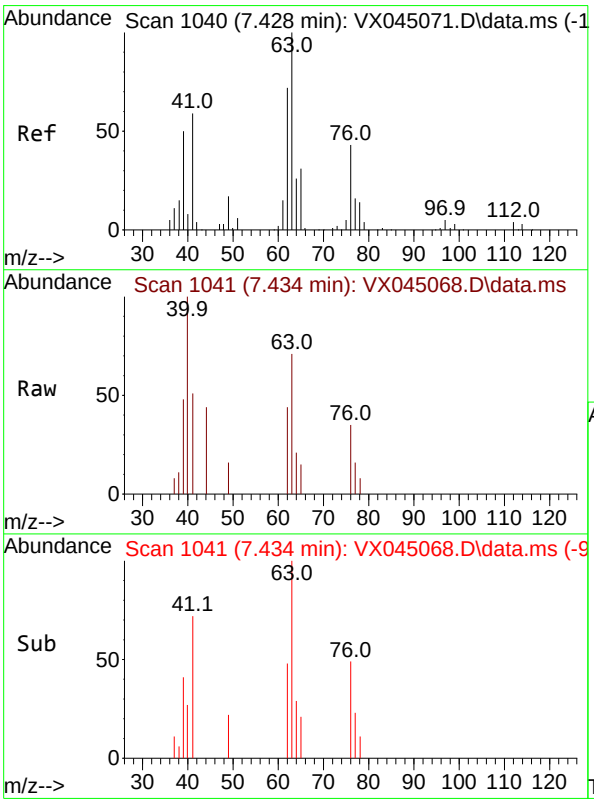
Ion	Ratio	Lower	Upper
130	100		
95	67.0	0.0	205.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

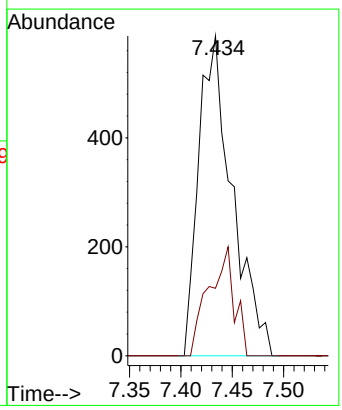
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

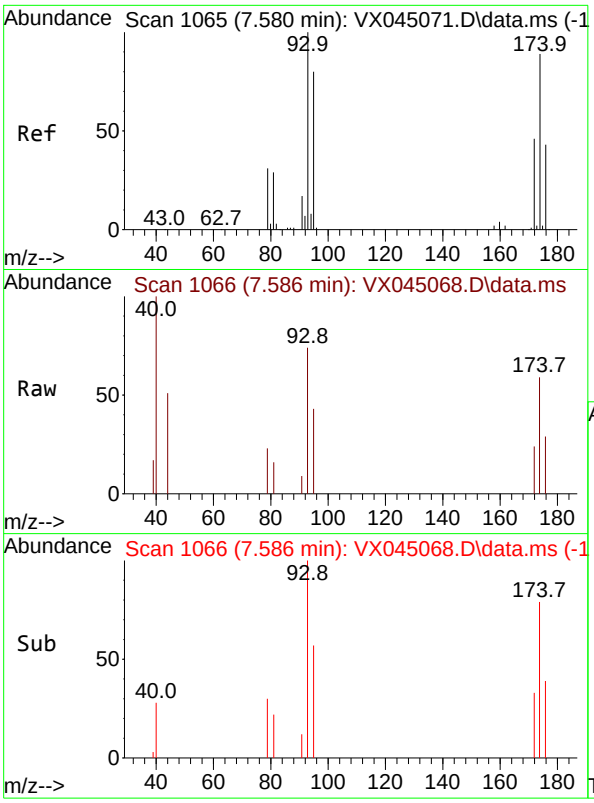


#45
1,2-Dichloropropane
Concen: 0.971 ug/l
RT: 7.434 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 63 Resp: 1334

Ion	Ratio	Lower	Upper
63	100		
65	21.1	24.7	37.1#

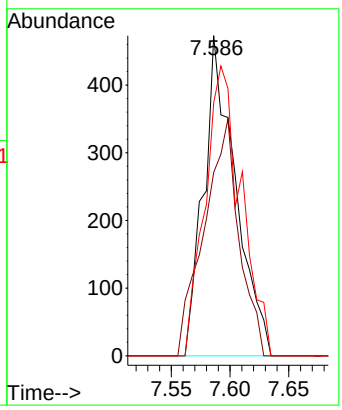




#46
Dibromomethane
Concen: 0.897 ug/l
RT: 7.586 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 93 Resp: 89

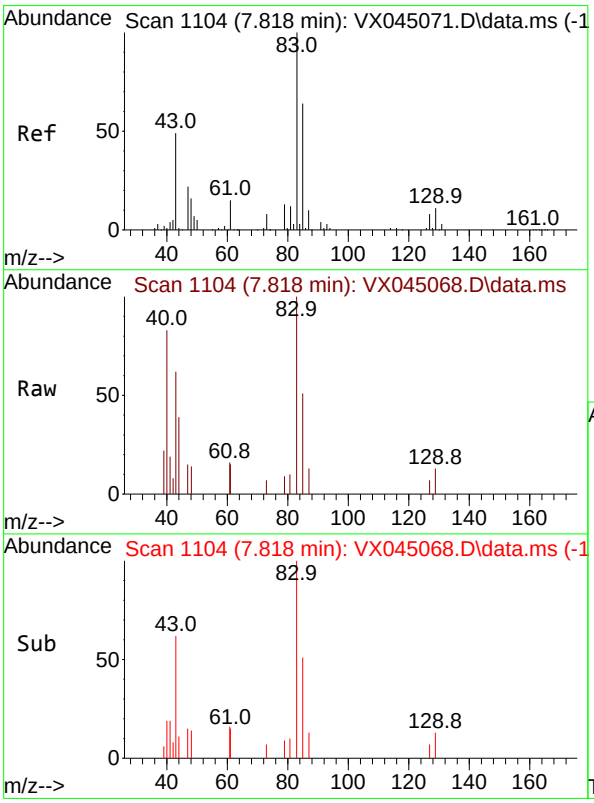
Ion	Ratio	Lower	Upper
93	100		
95	80.9	65.8	98.8
174	102.8	72.2	108.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

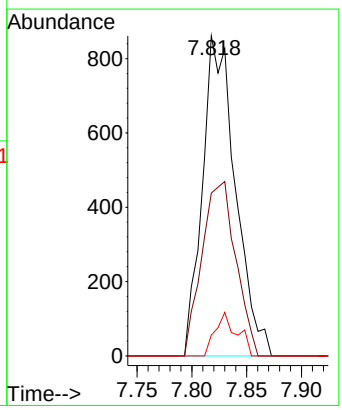
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

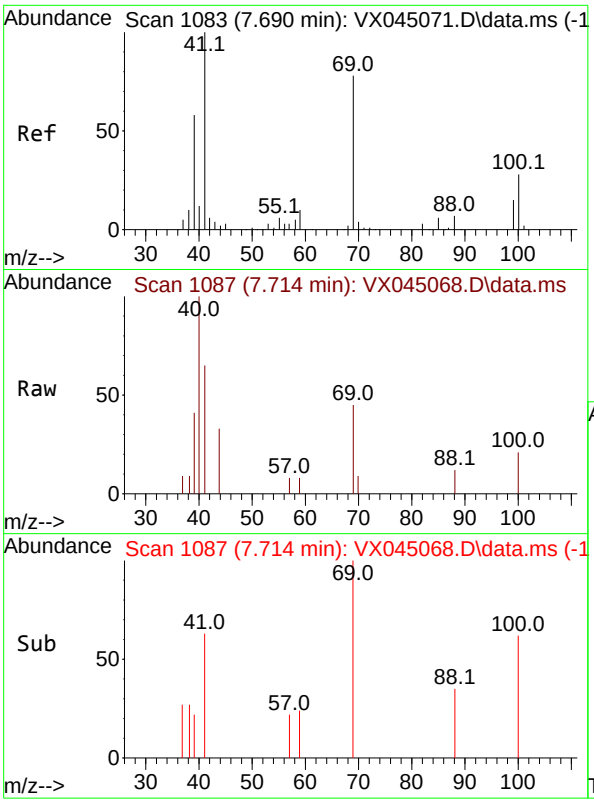


#47
Bromodichloromethane
Concen: 0.927 ug/l
RT: 7.818 min Scan# 1104
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

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

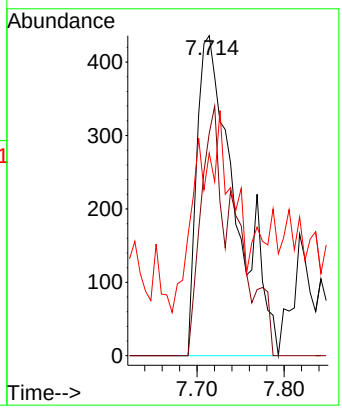




#48
Methyl methacrylate
Concen: 0.825 ug/l m
RT: 7.714 min Scan# 1
Delta R.T. 0.024 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 41 Resp: 132

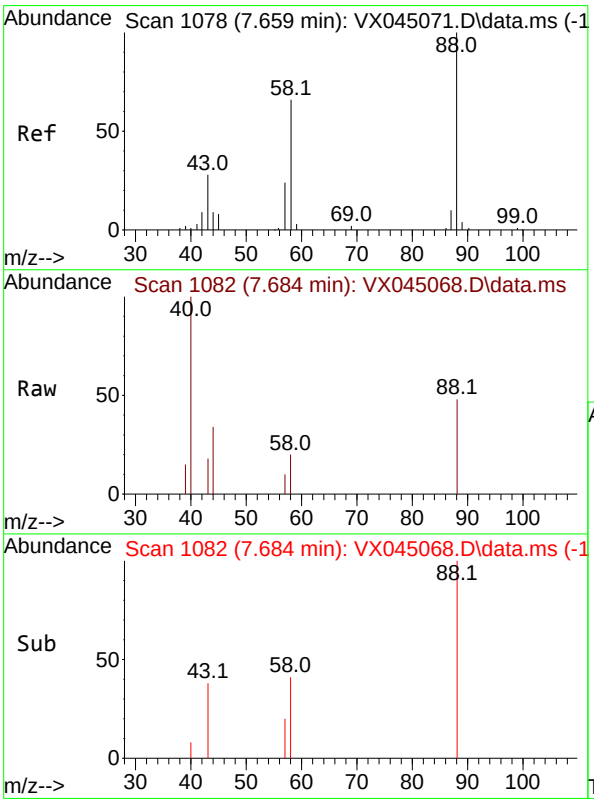
Ion	Ratio	Lower	Upper
41	100		
69	41.4	63.0	94.6#
39	20.7	47.5	71.3#



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

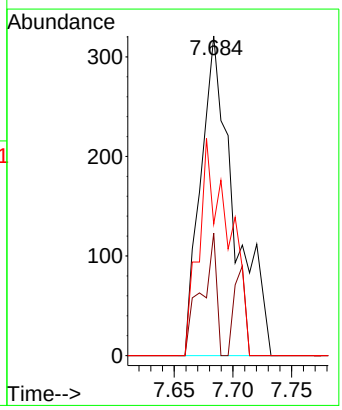
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

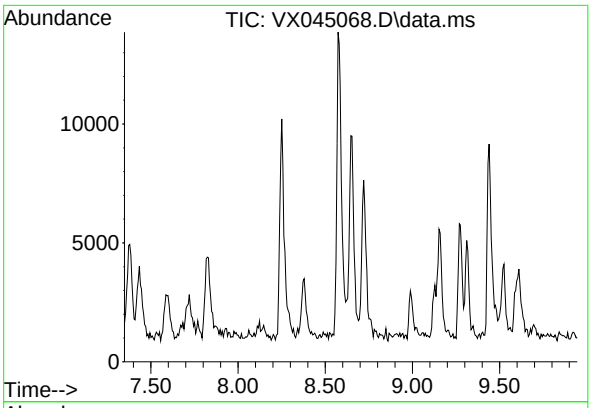


#49
1,4-Dioxane
Concen: 18.144 ug/l
RT: 7.684 min Scan# 1082
Delta R.T. 0.024 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

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

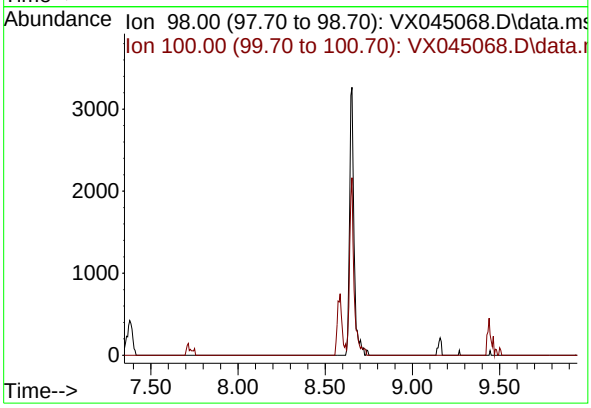
Tgt Ion: 98

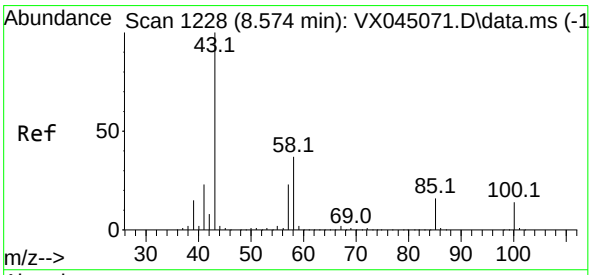
Sig	Exp Ratio
98	100
100	65.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

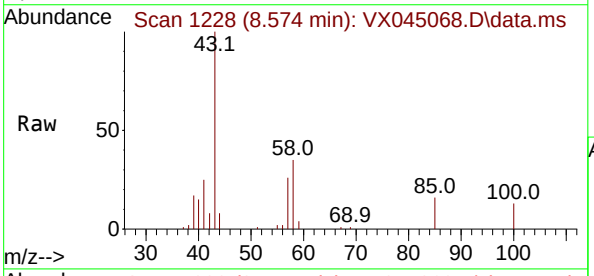


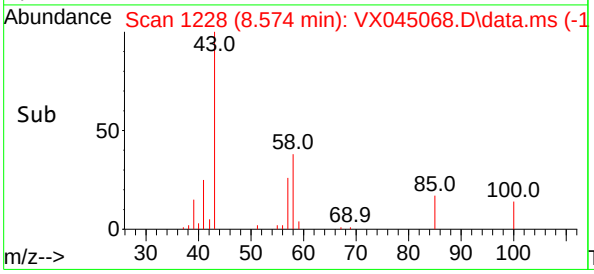


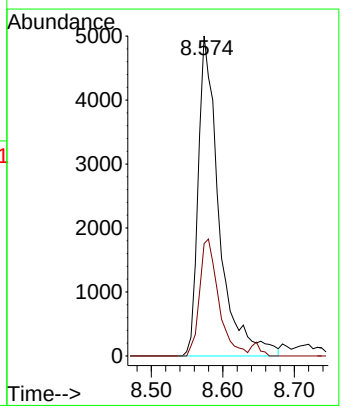
#51
4-Methyl-2-Pentanone
Concen: 4.567 ug/l
RT: 8.574 min Scan# 1228
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

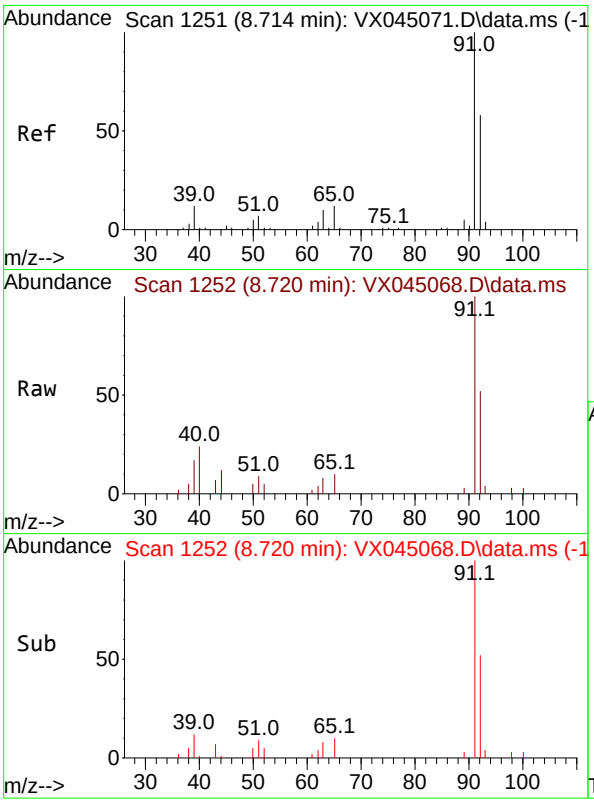
Tgt Ion: 43 Resp: 10091

Ion	Ratio	Lower	Upper
43	100		
58	33.5	29.2	43.8





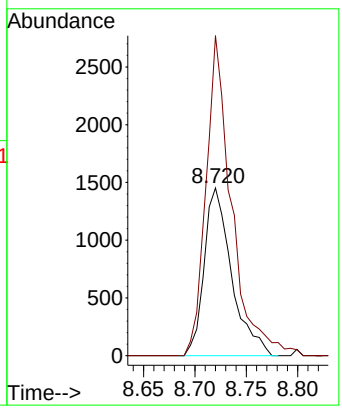




#52
Toluene
Concen: 0.841 ug/l
RT: 8.720 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 92 Resp: 270

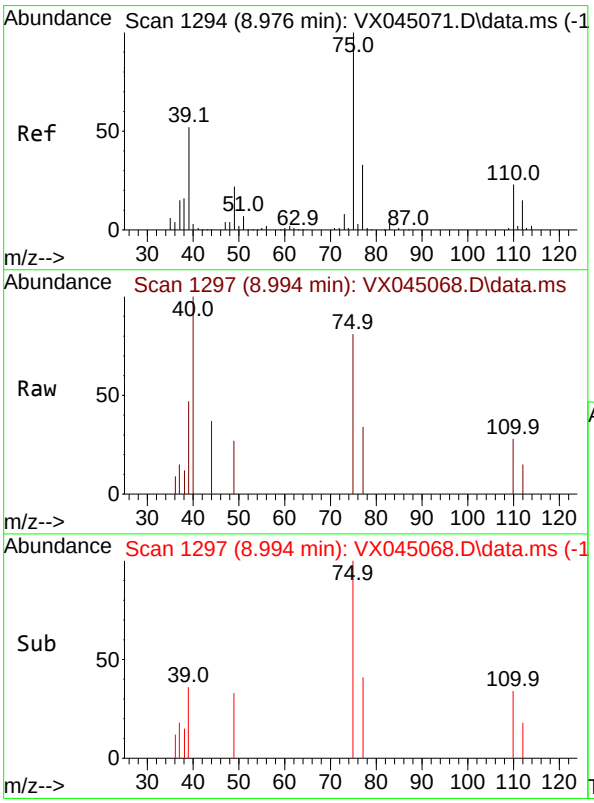
Ion	Ratio	Lower	Upper
92	100		
91	177.7	138.9	208.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

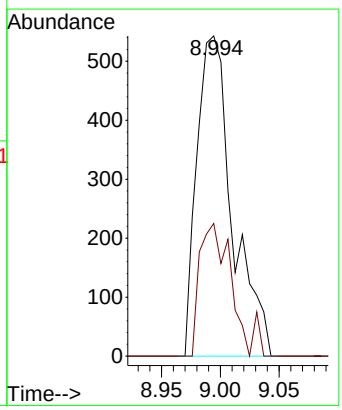
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

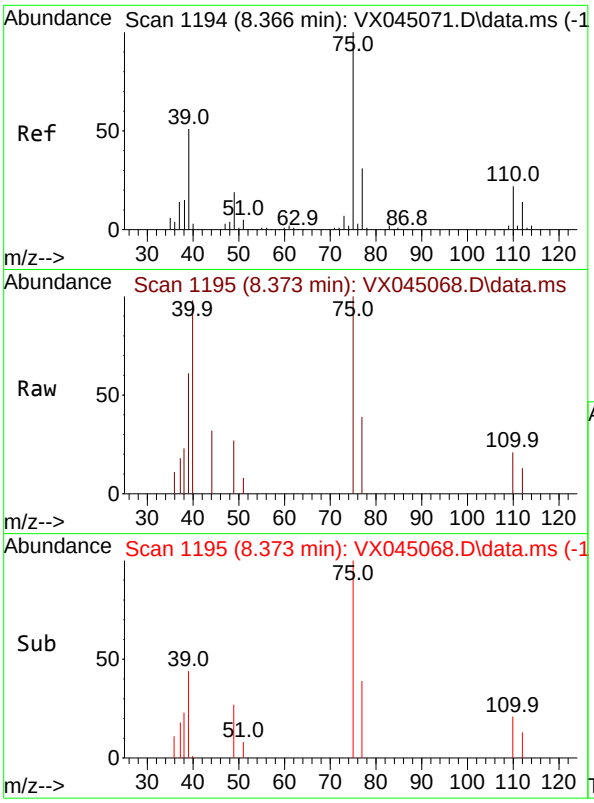


#53
t-1,3-Dichloropropene
Concen: 0.700 ug/l
RT: 8.994 min Scan# 1297
Delta R.T. 0.018 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 75 Resp: 1147

Ion	Ratio	Lower	Upper
75	100		
77	41.4	26.5	39.7#

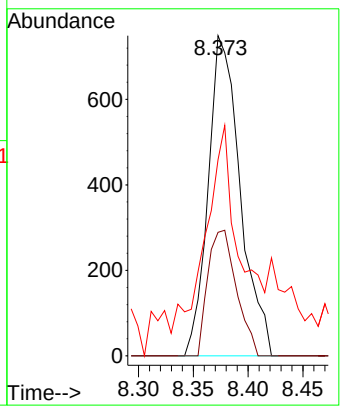




#54
cis-1,3-Dichloropropene
Concen: 0.804 ug/l
RT: 8.373 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 75 Resp: 152

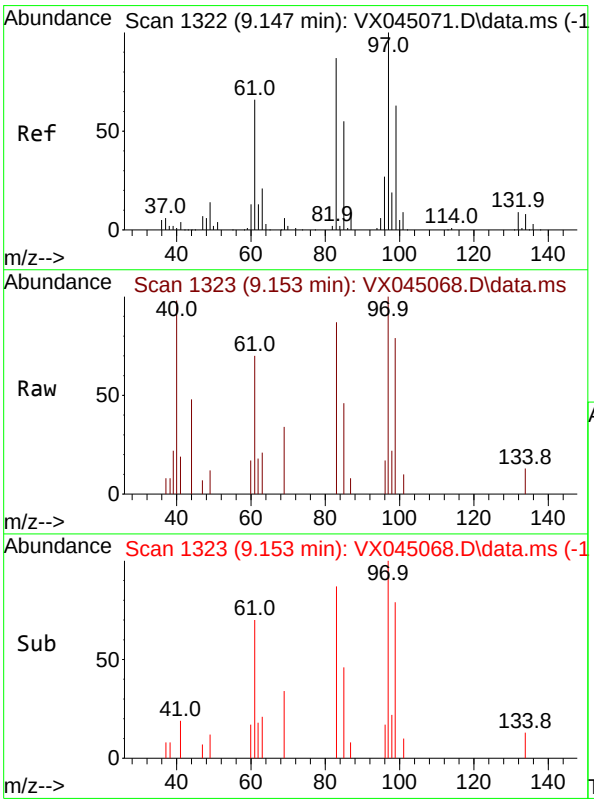
Ion	Ratio	Lower	Upper
75	100		
77	38.6	24.7	37.1#
39	45.1	40.7	61.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

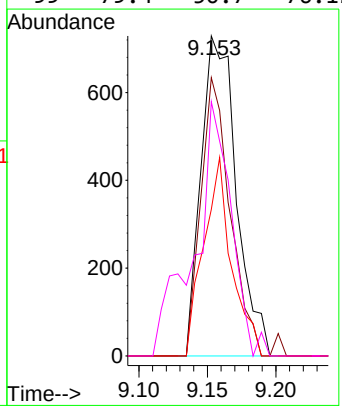
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

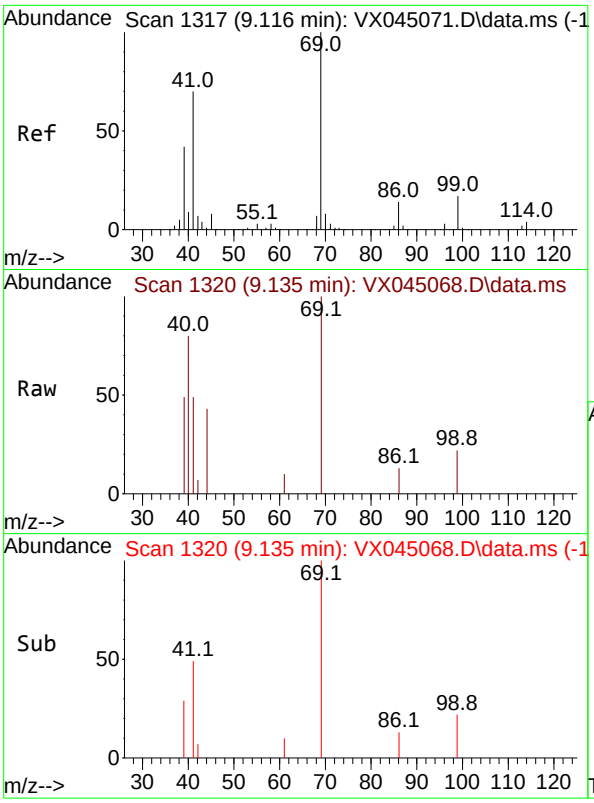


#55
1,1,2-Trichloroethane
Concen: 1.004 ug/l
RT: 9.153 min Scan# 1323
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

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#

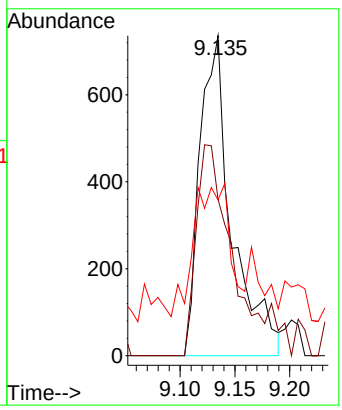




#56
Ethyl methacrylate
Concen: 0.748 ug/l
RT: 9.135 min Scan# 1
Delta R.T. 0.018 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 69 Resp: 149

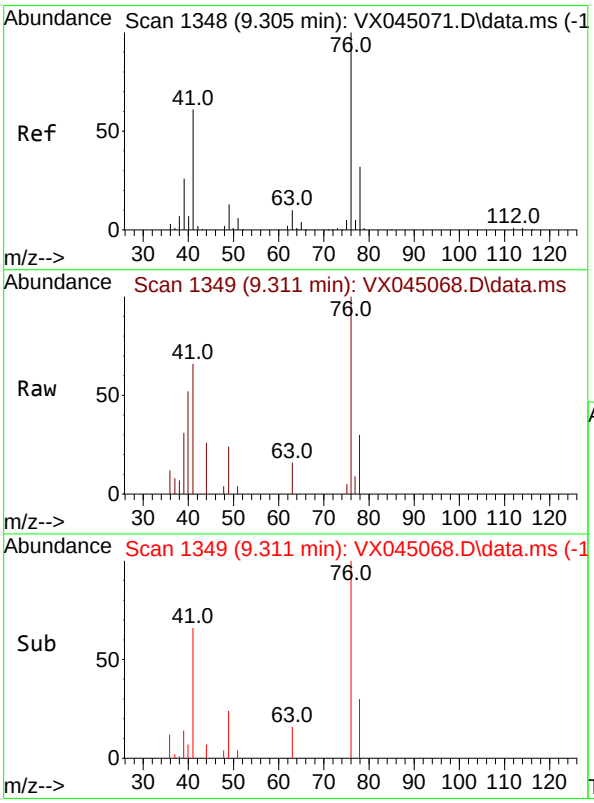
Ion	Ratio	Lower	Upper
69	100		
41	71.5	57.0	85.4
39	54.6	34.2	51.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

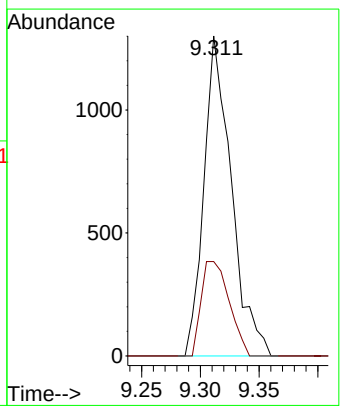
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

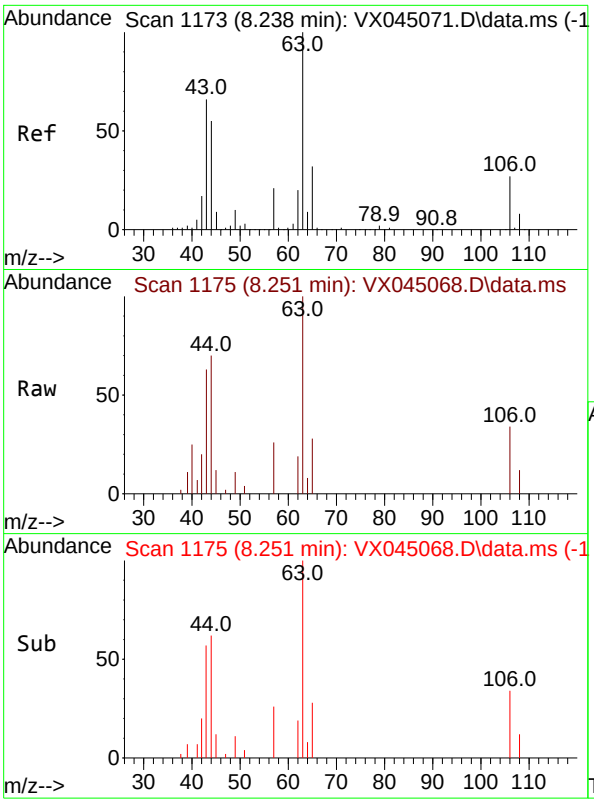


#57
1,3-Dichloropropane
Concen: 0.920 ug/l
RT: 9.311 min Scan# 1349
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

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

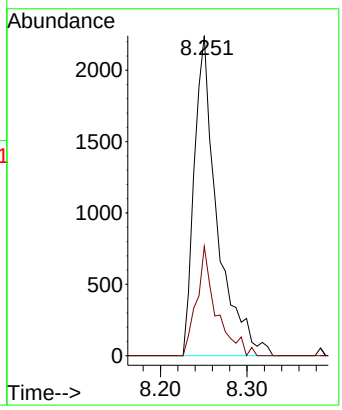
Tgt Ion: 63 Resp: 411

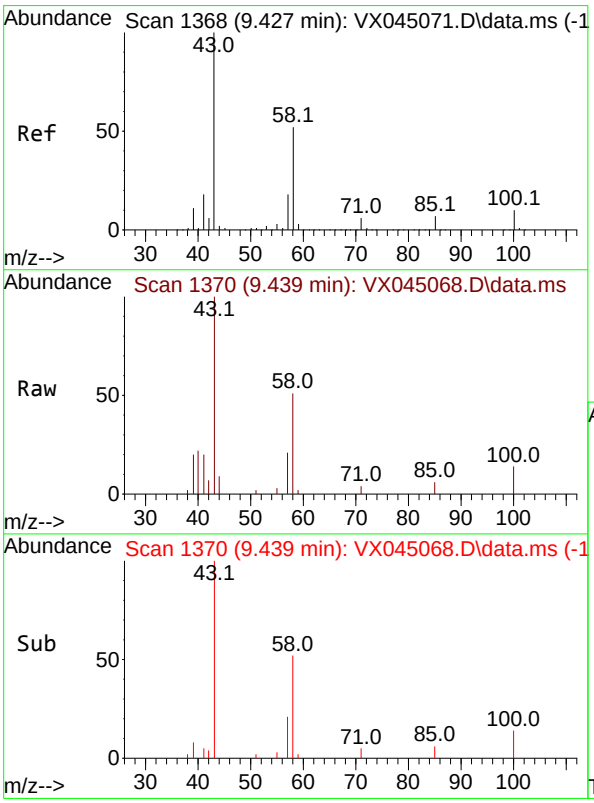
Ion	Ratio	Lower	Upper
63	100		
106	29.2	21.5	32.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

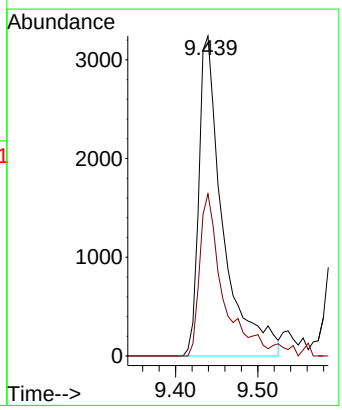


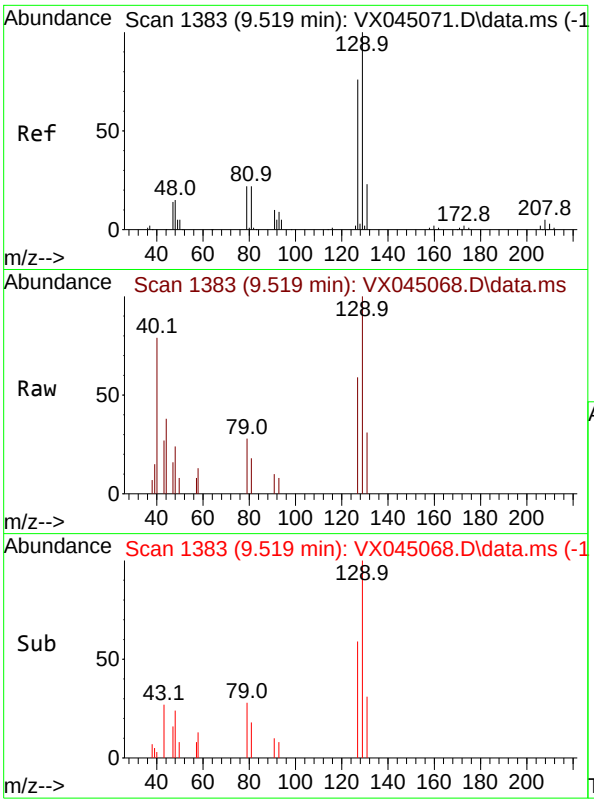


#59
2-Hexanone
Concen: 4.153 ug/l
RT: 9.439 min Scan# 1370
Delta R.T. 0.012 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 43 Resp: 6582

Ion	Ratio	Lower	Upper
43	100		
58	48.7	25.9	77.6

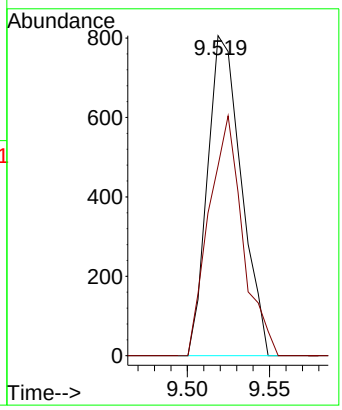




#60
Dibromochloromethane
Concen: 0.835 ug/l
RT: 9.519 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:129 Resp: 115

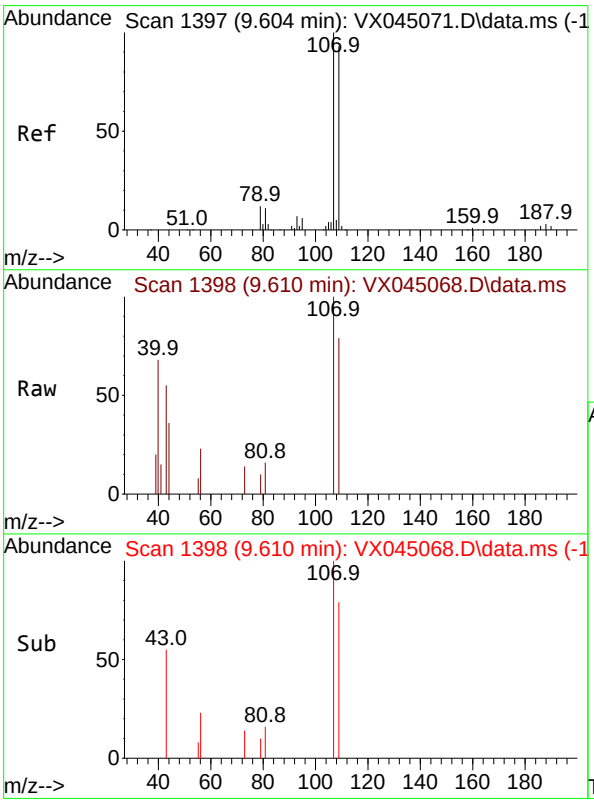
Ion	Ratio	Lower	Upper
129	100		
127	75.2	38.5	115.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

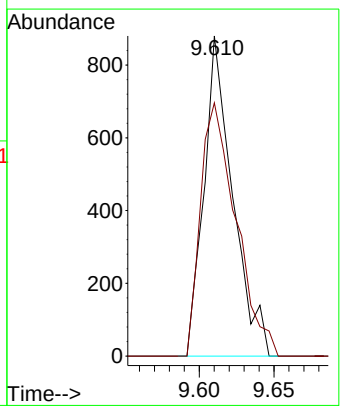
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

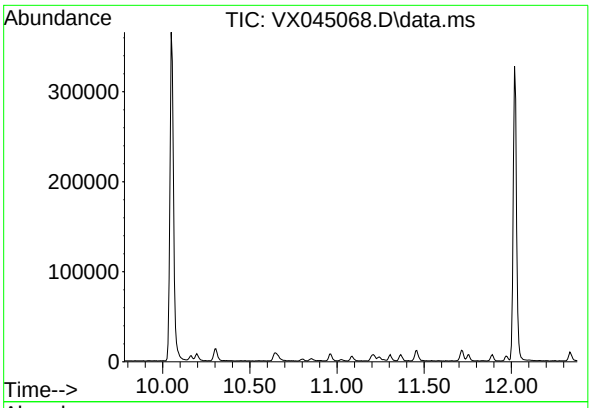


#61
1,2-Dibromoethane
Concen: 0.890 ug/l
RT: 9.610 min Scan# 1398
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

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

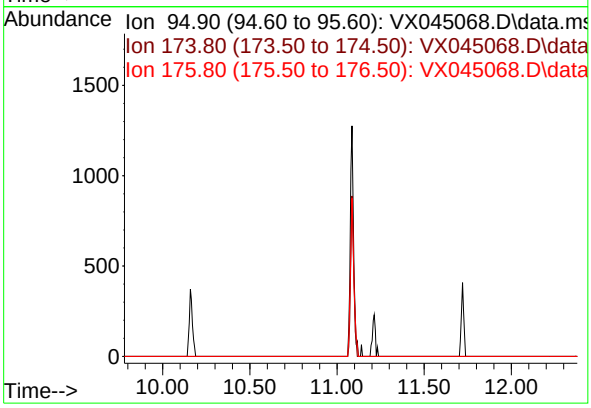
Tgt Ion: 95

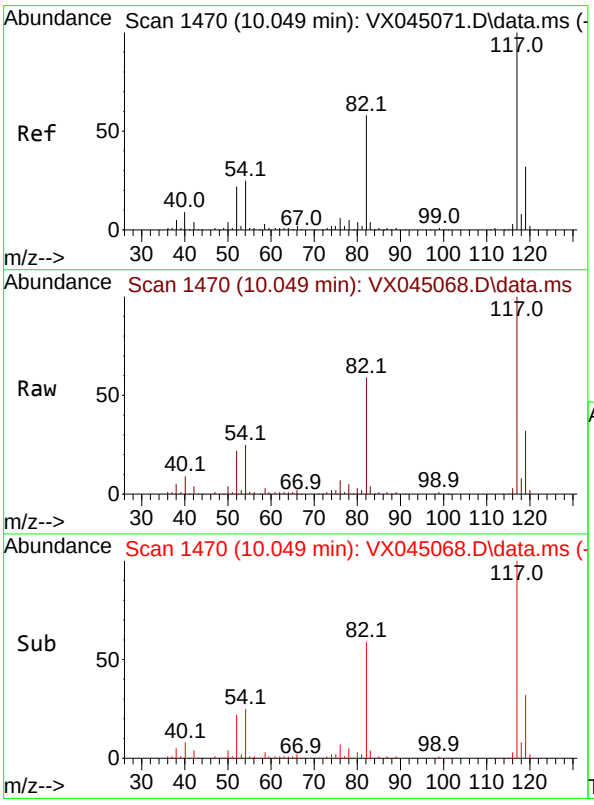
Sig	Exp Ratio
95	100
174	74.1
176	70.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

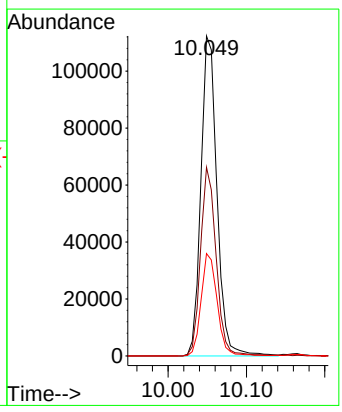


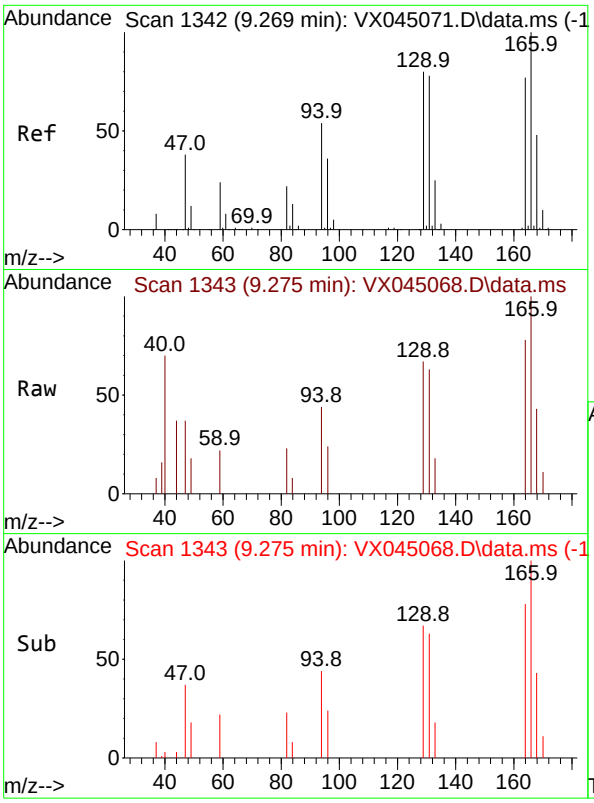


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

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

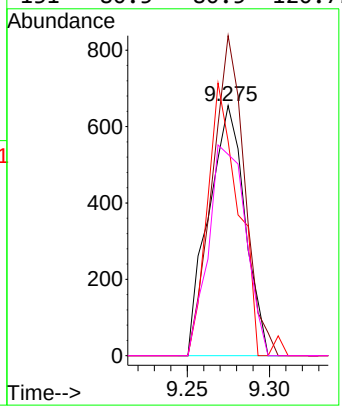




#64
Tetrachloroethene
Concen: 0.986 ug/l
RT: 9.275 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:164 Resp: 100

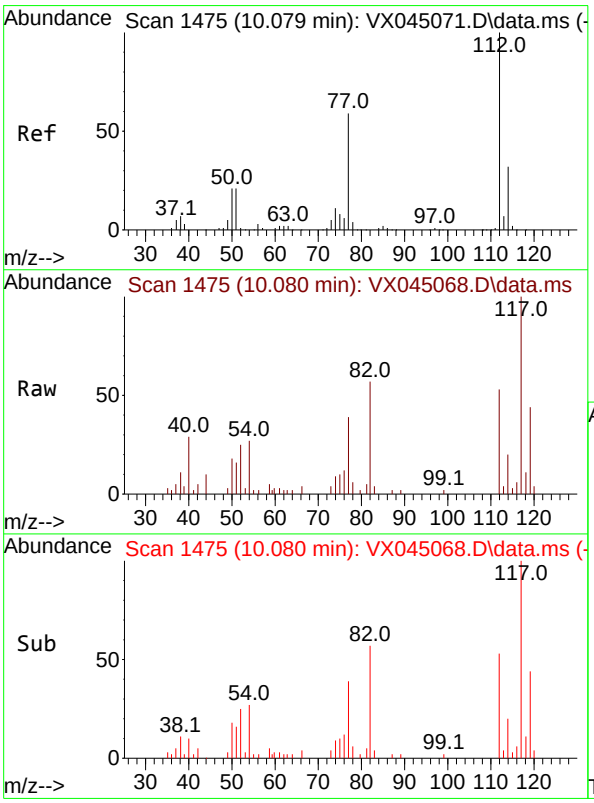
Ion	Ratio	Lower	Upper
164	100		
166	127.9	103.6	155.4
129	85.8	82.7	124.1
131	80.5	80.5	120.7#



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

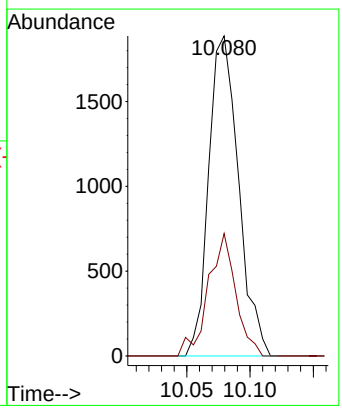
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

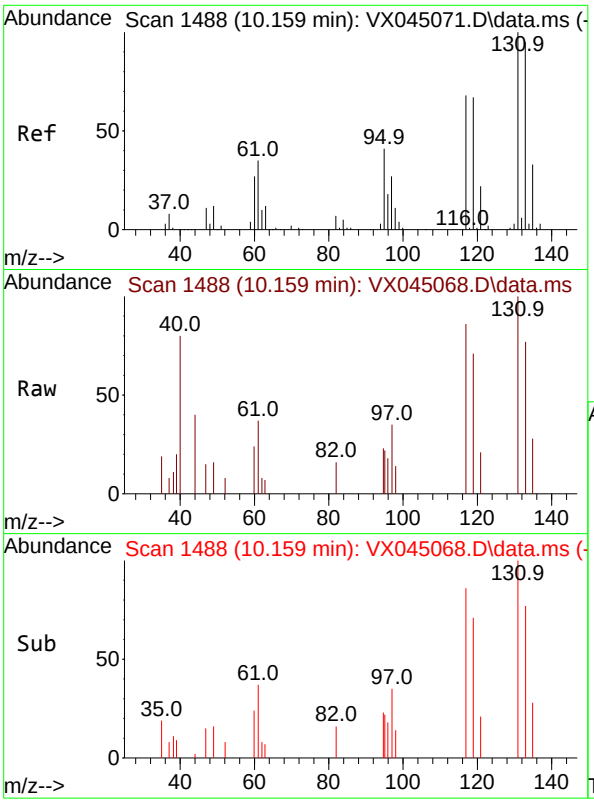


#65
Chlorobenzene
Concen: 0.908 ug/l
RT: 10.080 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

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

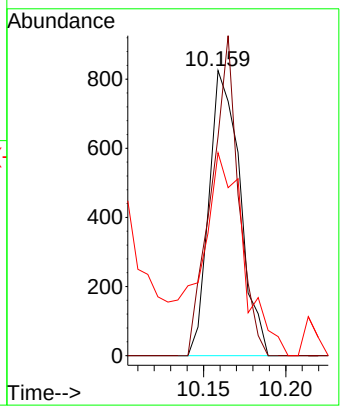
Tgt Ion:131 Resp: 107

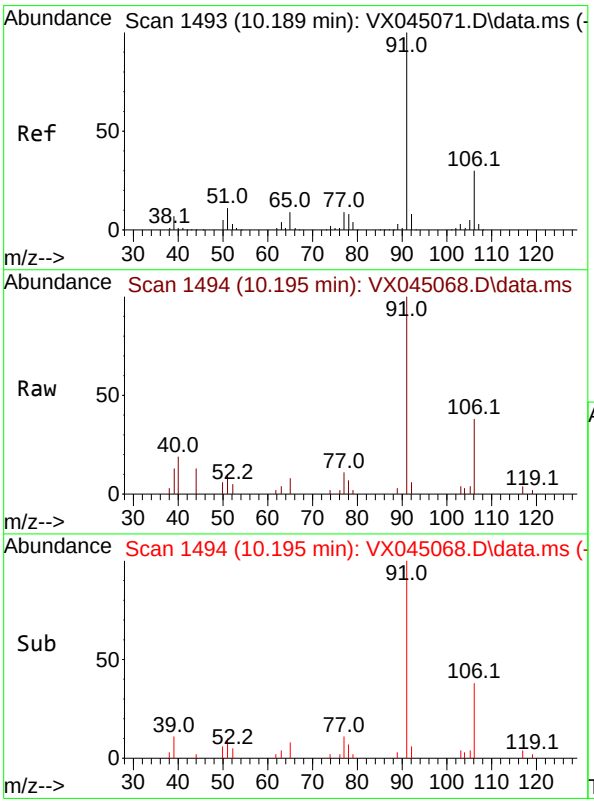
Ion	Ratio	Lower	Upper
131	100		
133	98.6	48.6	145.9
119	0.0	33.9	101.7#

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

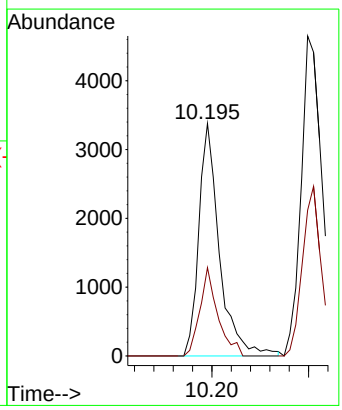


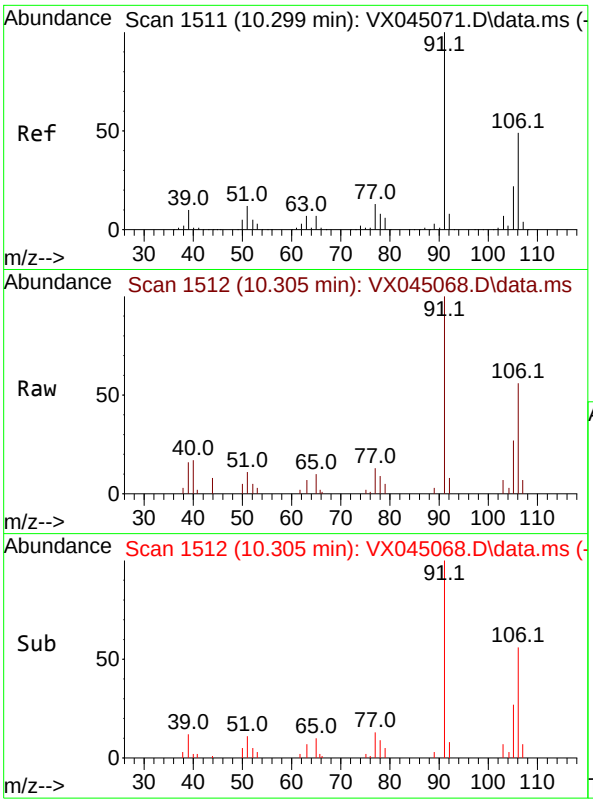


#67
Ethyl Benzene
Concen: 0.846 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 91 Resp: 5008

Ion	Ratio	Lower	Upper
91	100		
106	38.0	23.9	35.9#

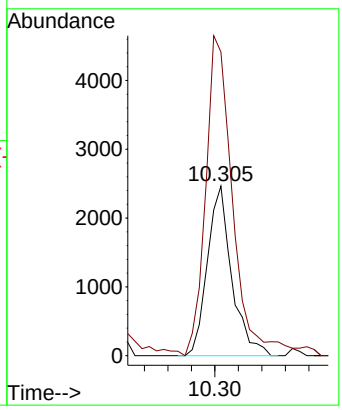




#68
m/p-Xylenes
Concen: 1.630 ug/l
RT: 10.305 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:106 Resp: 355

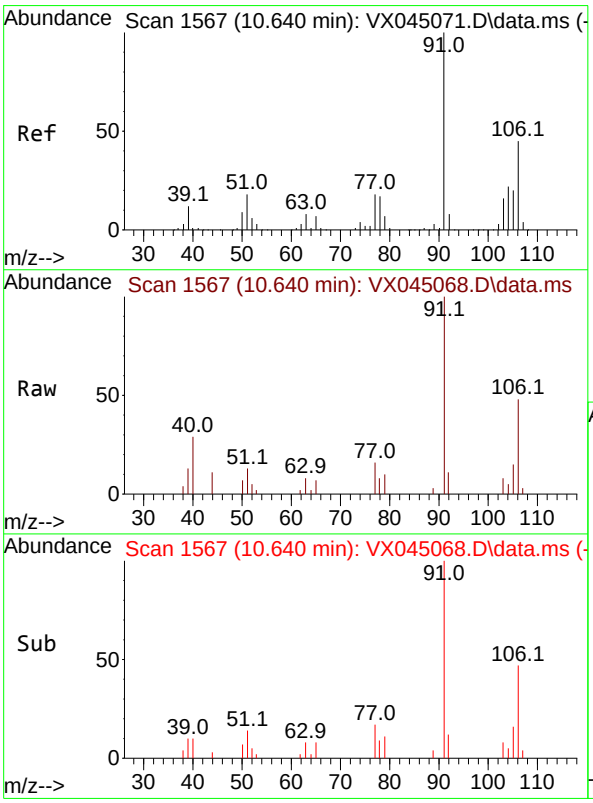
Ion	Ratio	Lower	Upper
106	100		
91	211.2	165.4	248.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
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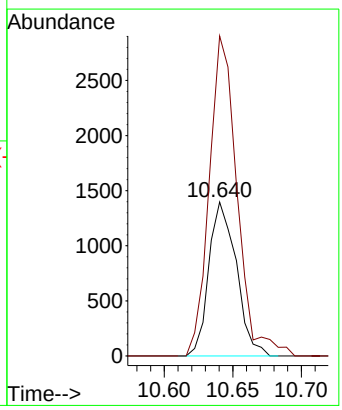
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

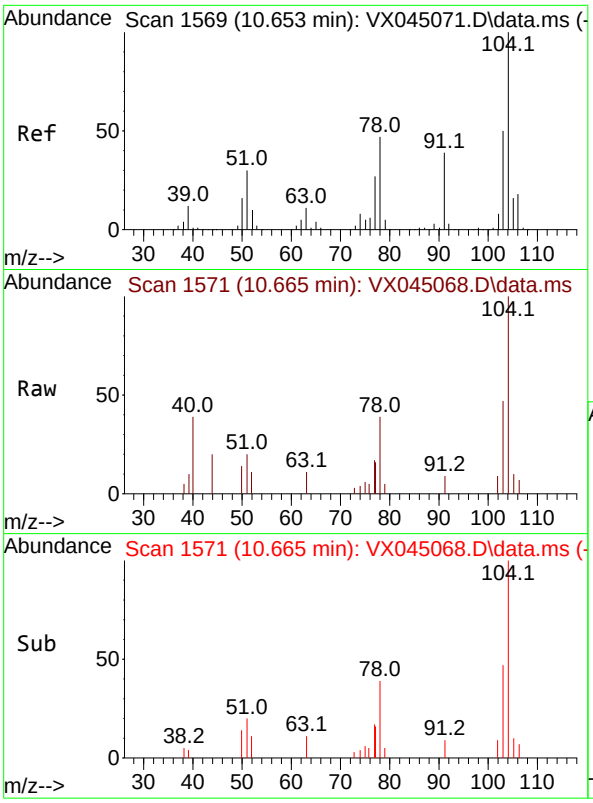


#69
o-Xylene
Concen: 0.891 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:106 Resp: 1949

Ion	Ratio	Lower	Upper
106	100		
91	211.0	109.9	329.6

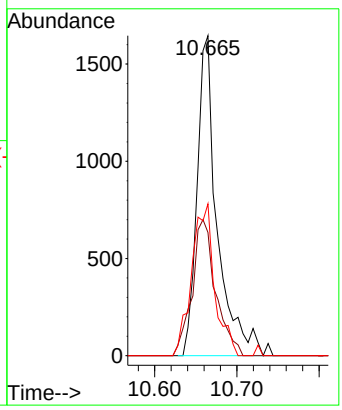




#70
Styrene
Concen: 0.802 ug/l
RT: 10.665 min Scan# 1
Delta R.T. 0.012 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:104 Resp: 281

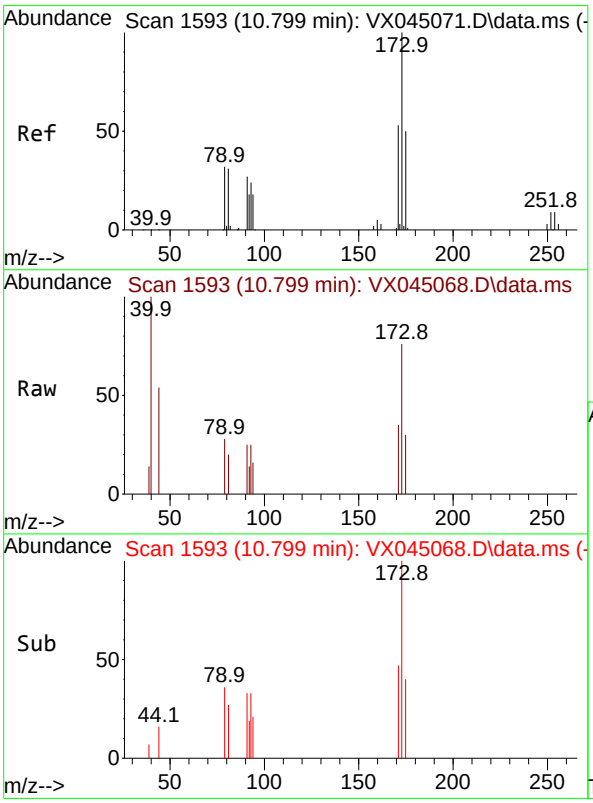
Ion	Ratio	Lower	Upper
104	100		
78	49.7	42.2	63.4
103	53.6	43.8	65.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

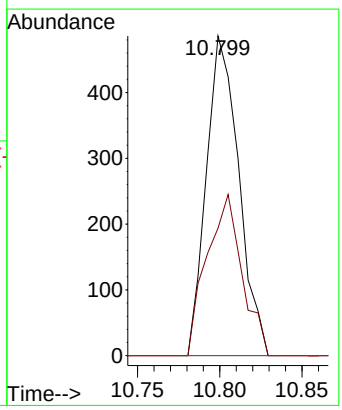
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

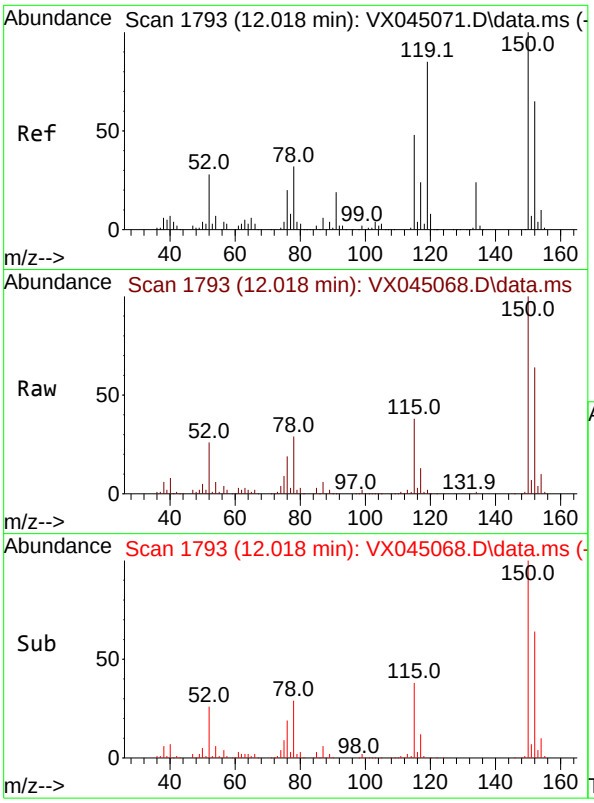


#71
Bromoform
Concen: 0.768 ug/l
RT: 10.799 min Scan# 1593
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

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

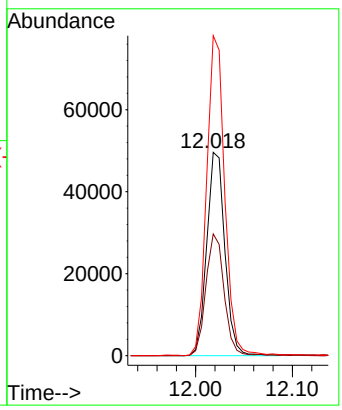




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:152 Resp: 6484

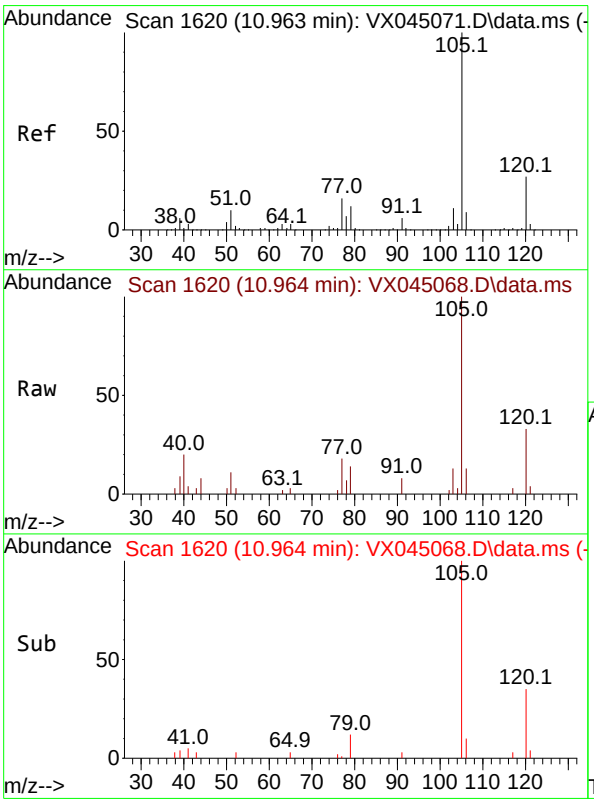
Ion	Ratio	Lower	Upper
152	100		
115	60.3	44.2	132.6
150	157.1	0.0	349.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

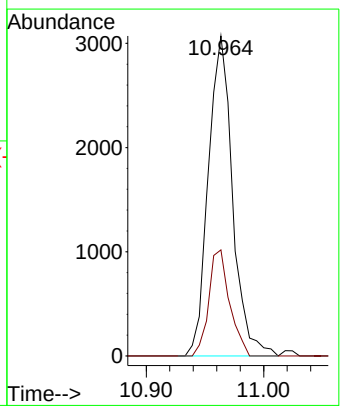
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

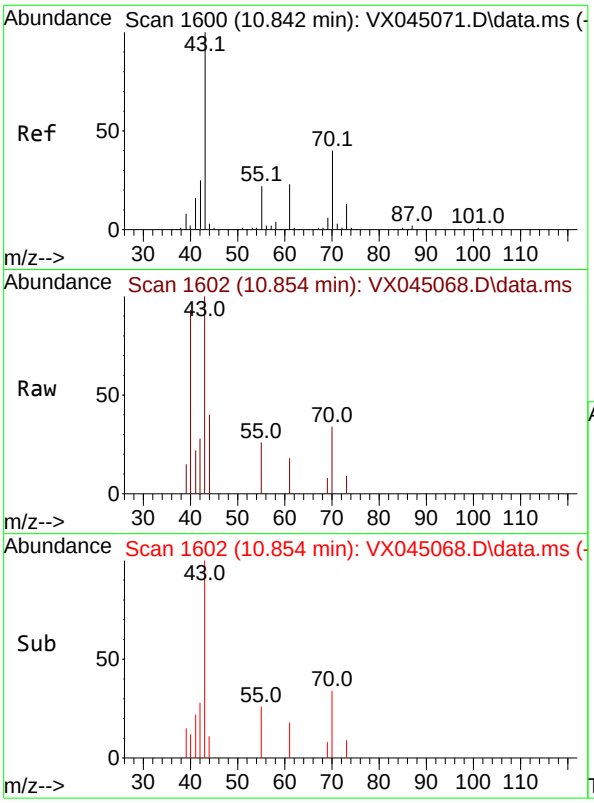


#73
Isopropylbenzene
Concen: 0.858 ug/l
RT: 10.964 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:105 Resp: 4405

Ion	Ratio	Lower	Upper
105	100		
120	28.5	13.2	39.5

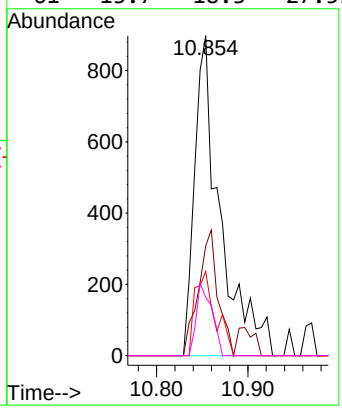




#74
N-amyl acetate
Concen: 0.732 ug/l
RT: 10.854 min Scan# 1
Delta R.T. 0.012 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 43 Resp: 175

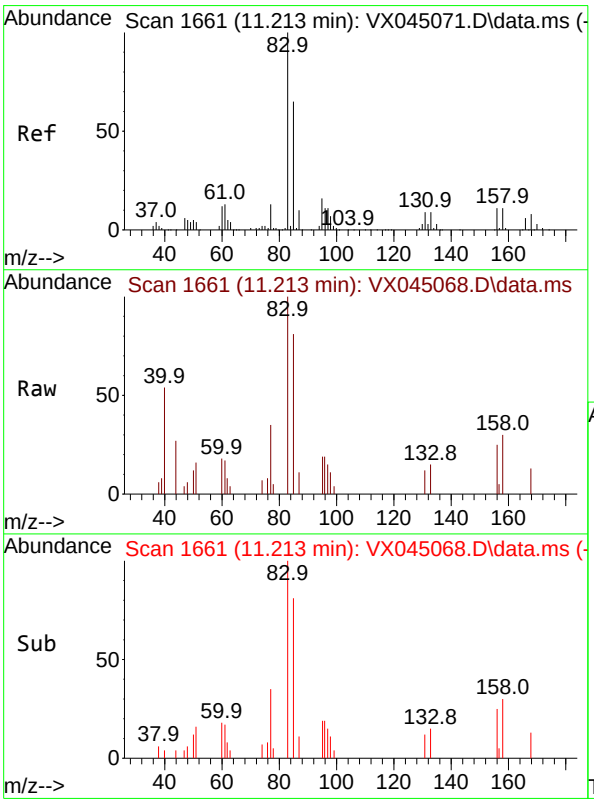
Ion	Ratio	Lower	Upper
43	100		
70	30.1	31.8	47.6#
55	20.9	18.3	27.5
61	13.7	18.3	27.5#



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

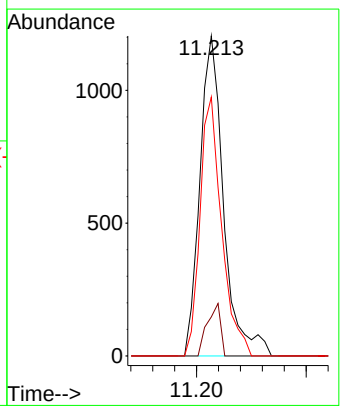
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

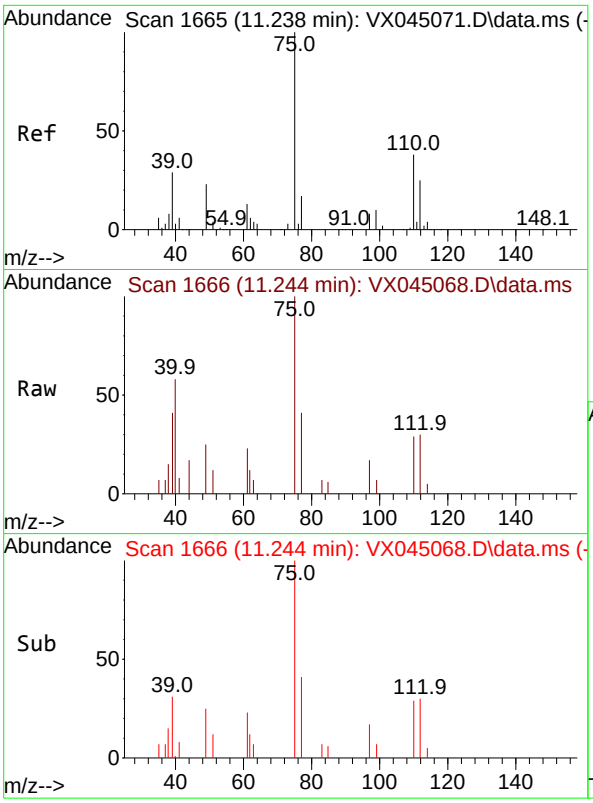


#75
1,1,2,2-Tetrachloroethane
Concen: 0.954 ug/l
RT: 11.213 min Scan# 1661
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

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

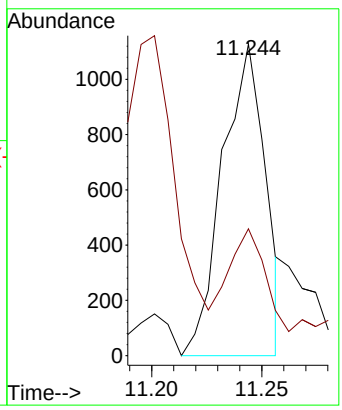
Tgt Ion: 75 Resp: 153

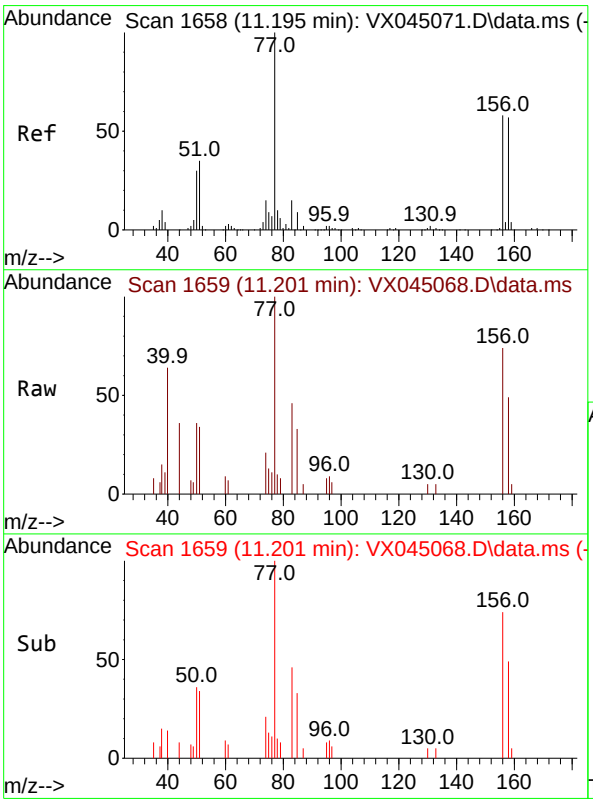
Ion	Ratio	Lower	Upper
75	100		
77	40.0	20.7	62.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
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Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

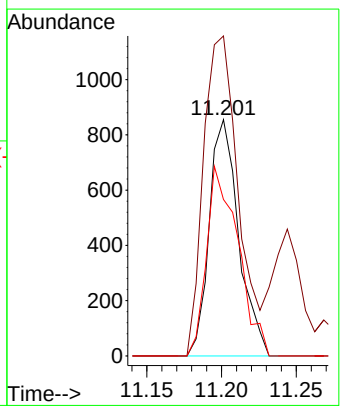


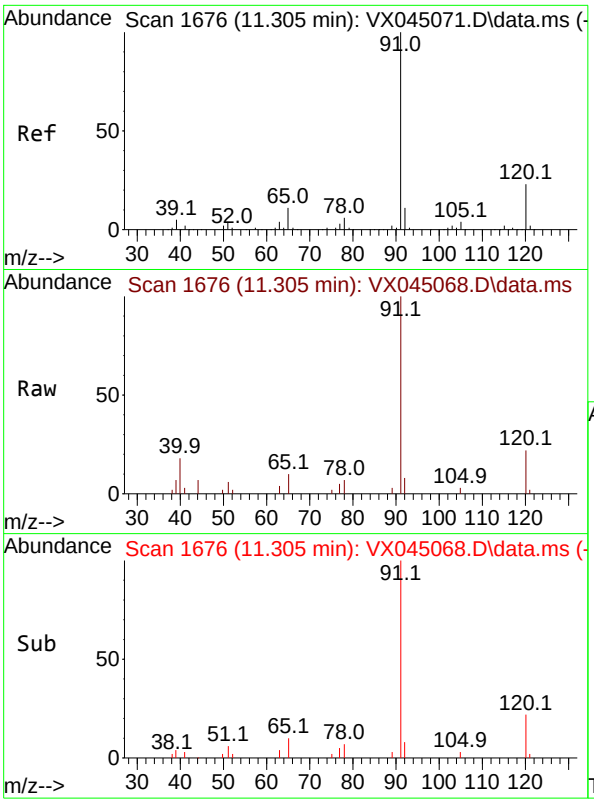


#77
Bromobenzene
Concen: 0.972 ug/l
RT: 11.201 min Scan# 1659
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

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

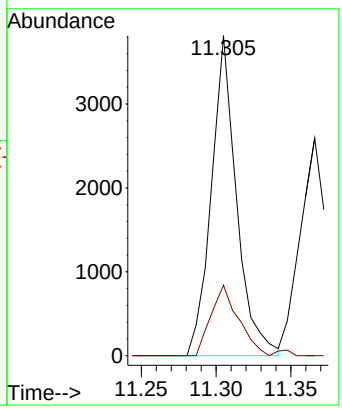




#78
n-propylbenzene
Concen: 0.773 ug/l
RT: 11.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 91 Resp: 447

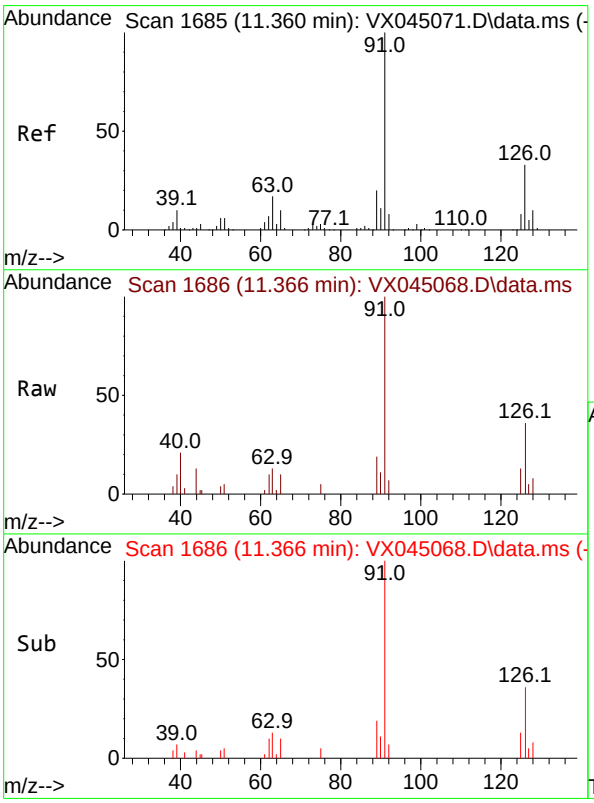
Ion	Ratio	Lower	Upper
91	100		
120	23.9	11.2	33.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

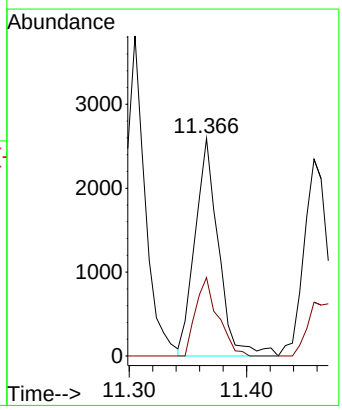
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

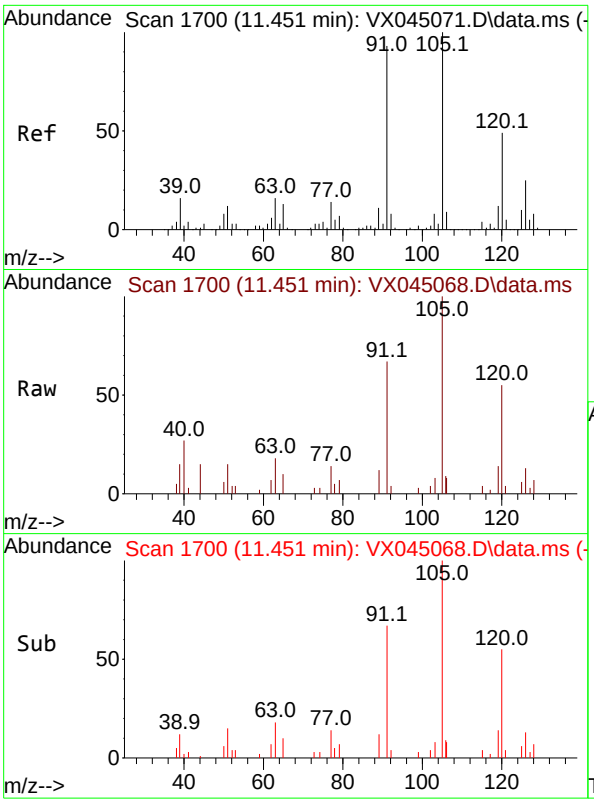


#79
2-Chlorotoluene
Concen: 0.986 ug/l
RT: 11.366 min Scan# 1686
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 91 Resp: 3616

Ion	Ratio	Lower	Upper
91	100		
126	34.2	16.4	49.4

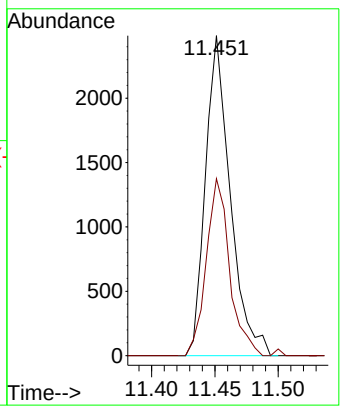




#80
1,3,5-Trimethylbenzene
Concen: 0.815 ug/l
RT: 11.451 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:105 Resp: 338

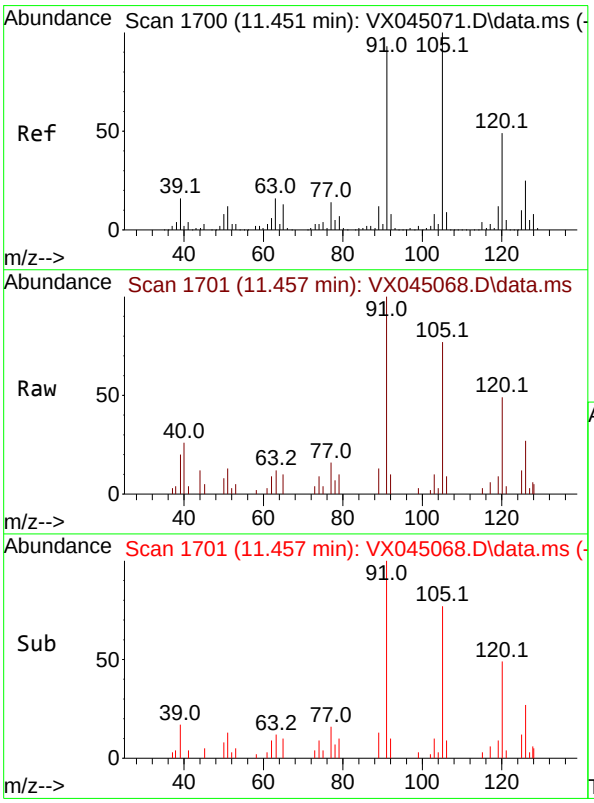
Ion	Ratio	Lower	Upper
105	100		
120	52.2	24.1	72.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

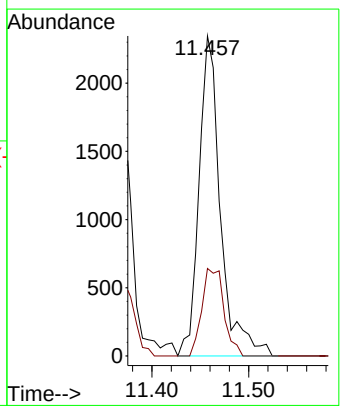
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

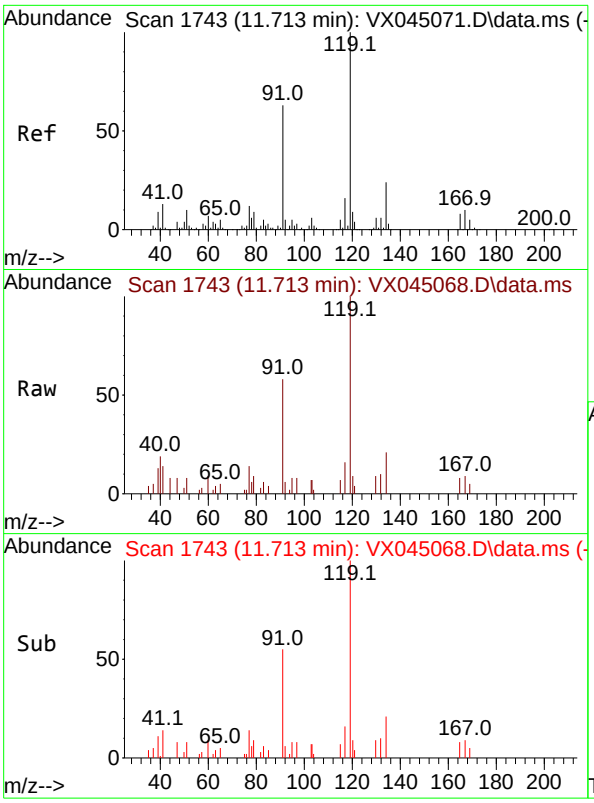


#82
4-Chlorotoluene
Concen: 0.904 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 91 Resp: 3631

Ion	Ratio	Lower	Upper
91	100		
126	28.0	14.1	42.4

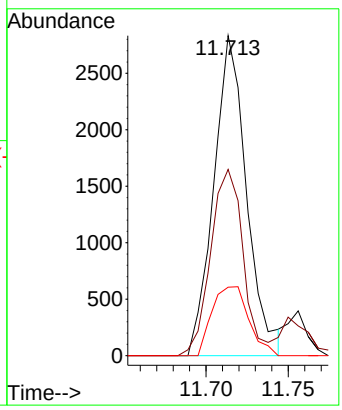




#83
tert-Butylbenzene
Concen: 0.929 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:119 Resp: 392

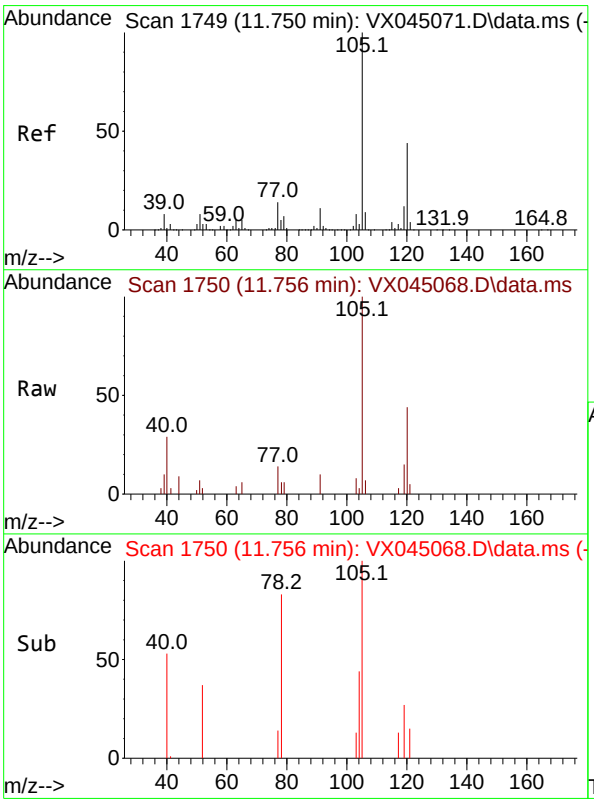
Ion	Ratio	Lower	Upper
119	100		
91	57.7	30.7	92.1
134	24.2	11.7	35.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

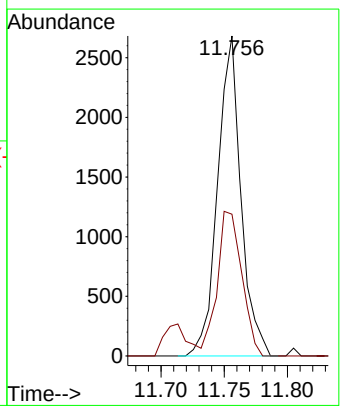
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

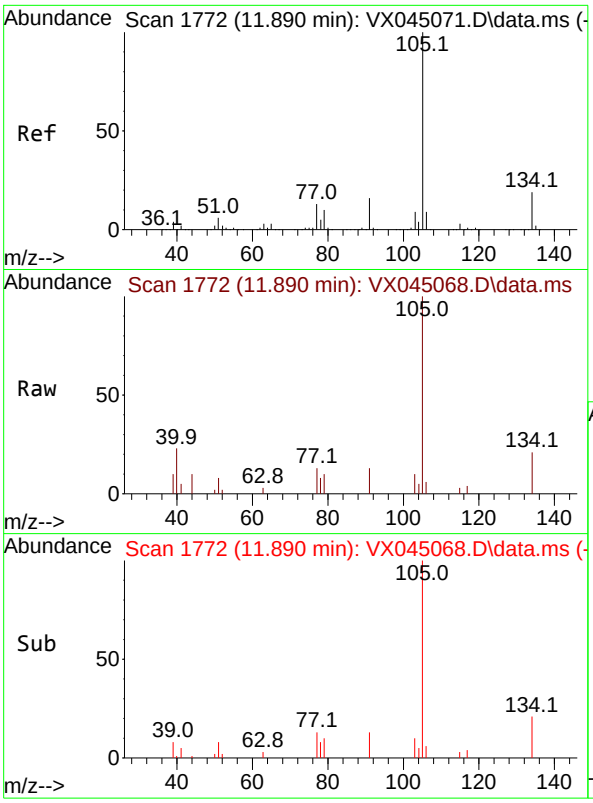


#84
1,2,4-Trimethylbenzene
Concen: 0.827 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

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

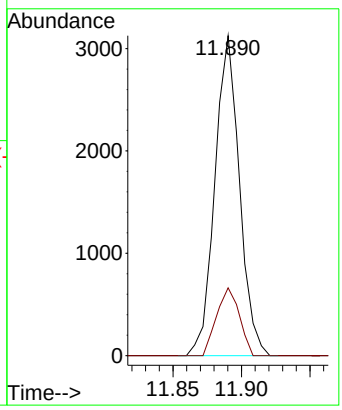
Tgt Ion:105 Resp: 389

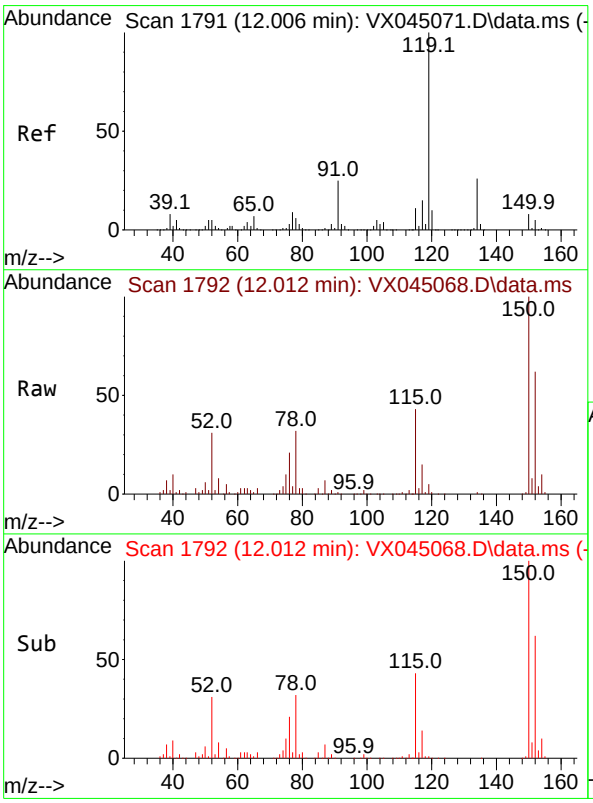
Ion	Ratio	Lower	Upper
105	100		
134	19.5	9.8	29.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

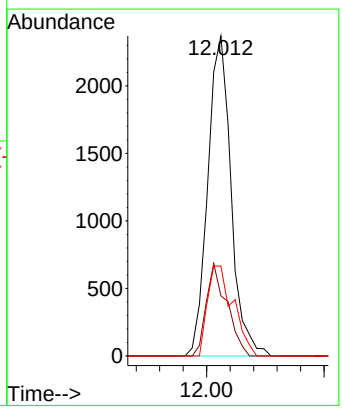


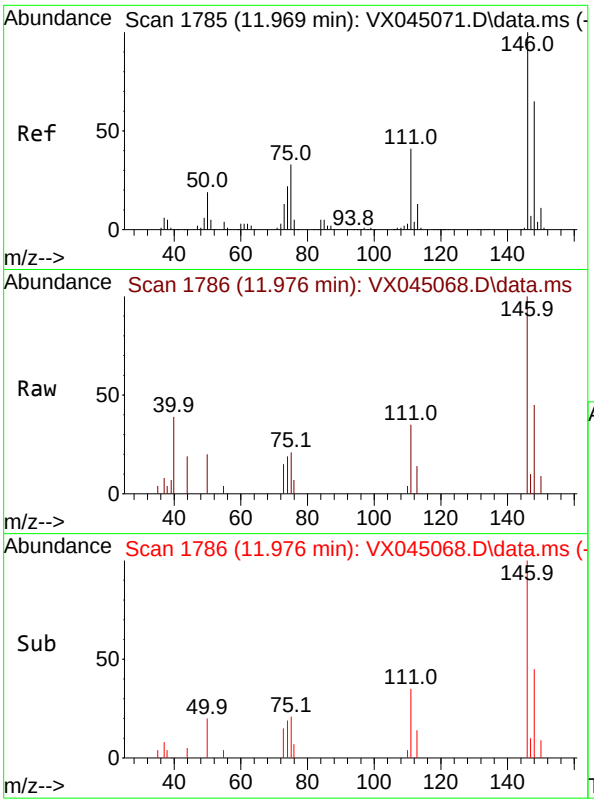


#86
p-Isopropyltoluene
Concen: 0.797 ug/l
RT: 12.012 min Scan# 1792
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

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

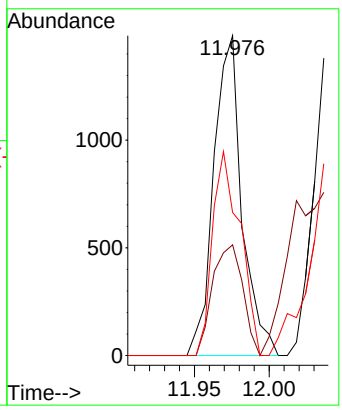




#87
1,3-Dichlorobenzene
Concen: 0.913 ug/l
RT: 11.976 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:146 Resp: 194

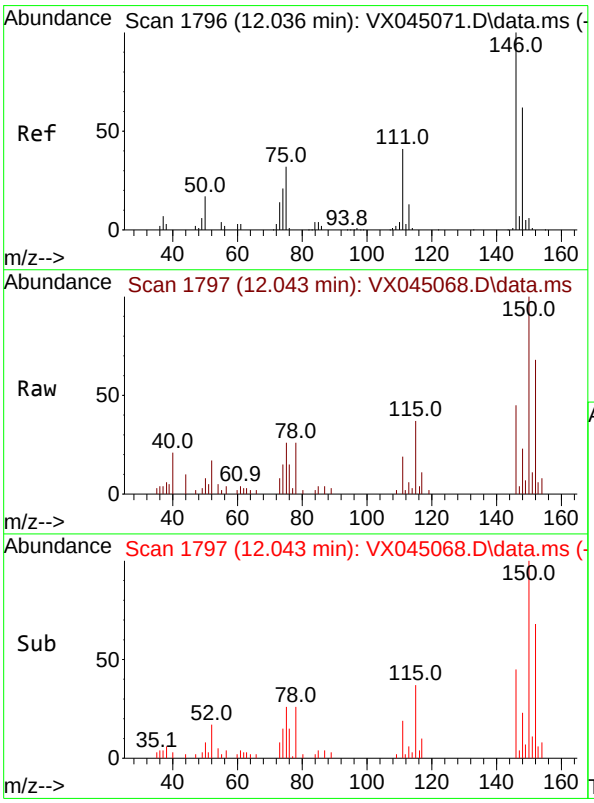
Ion	Ratio	Lower	Upper
146	100		
111	37.1	21.1	63.4
148	62.4	31.9	95.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

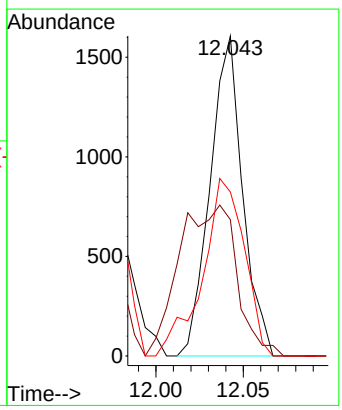
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

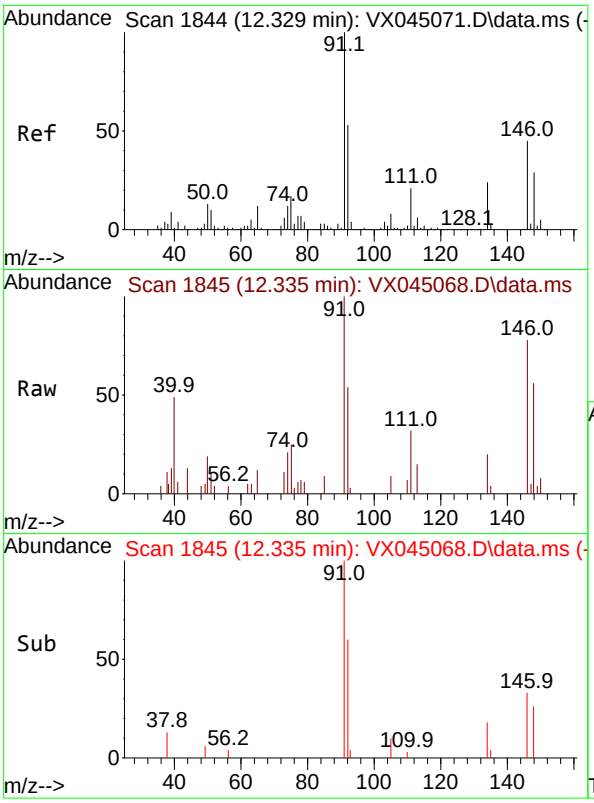


#88
1,4-Dichlorobenzene
Concen: 0.962 ug/l m
RT: 12.043 min Scan# 1797
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

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

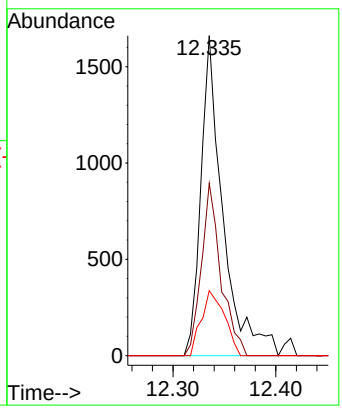




#89
n-Butylbenzene
Concen: 0.691 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 91 Resp: 247

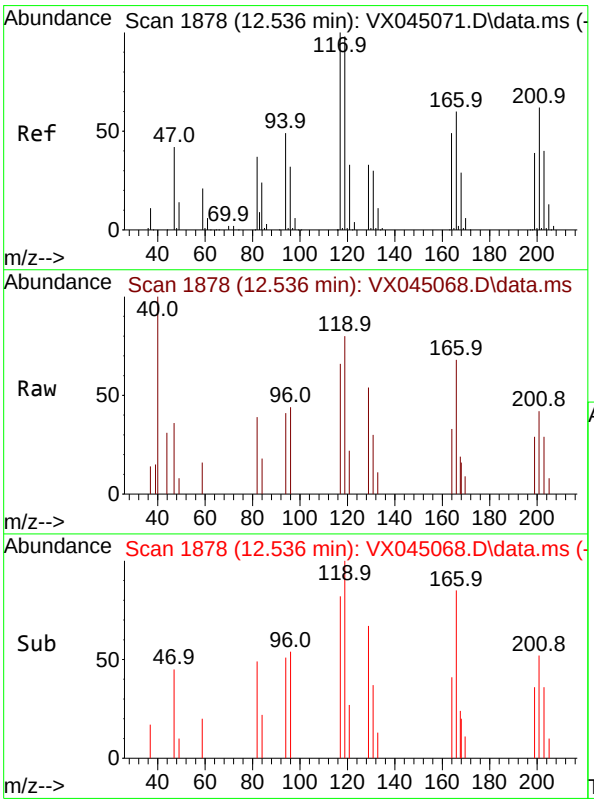
Ion	Ratio	Lower	Upper
91	100		
92	48.0	26.7	80.0
134	21.4	12.2	36.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

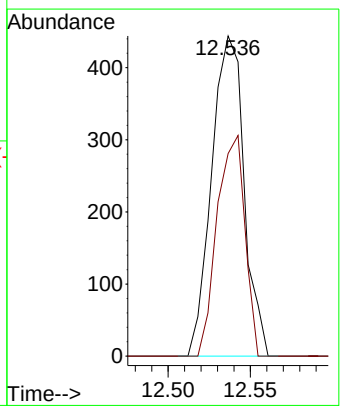
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

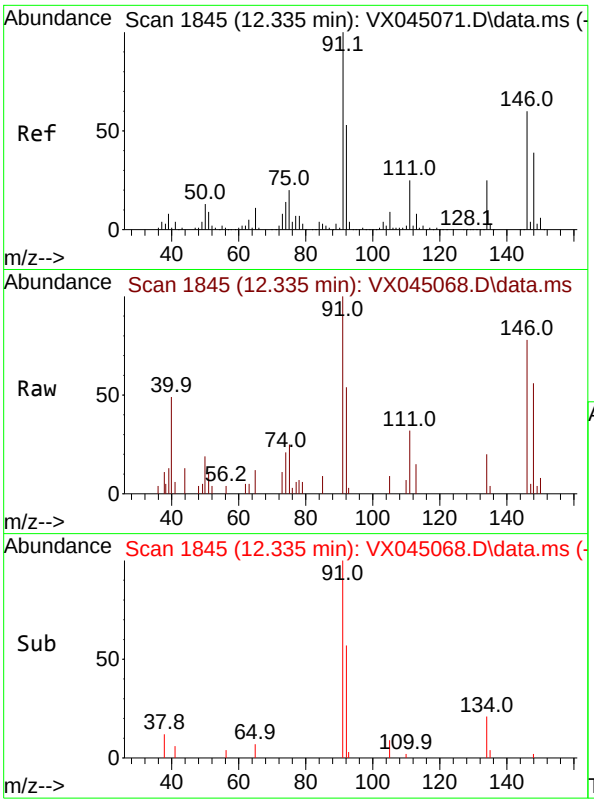


#90
Hexachloroethane
Concen: 0.805 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:117 Resp: 609

Ion	Ratio	Lower	Upper
117	100		
201	58.9	31.9	95.9

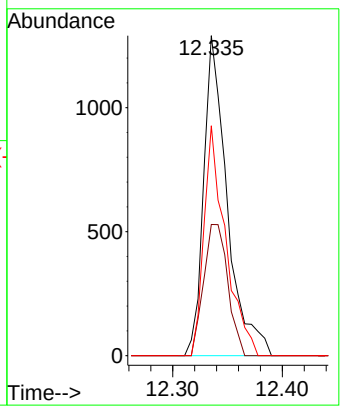




#91
1,2-Dichlorobenzene
Concen: 0.890 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:146 Resp: 191

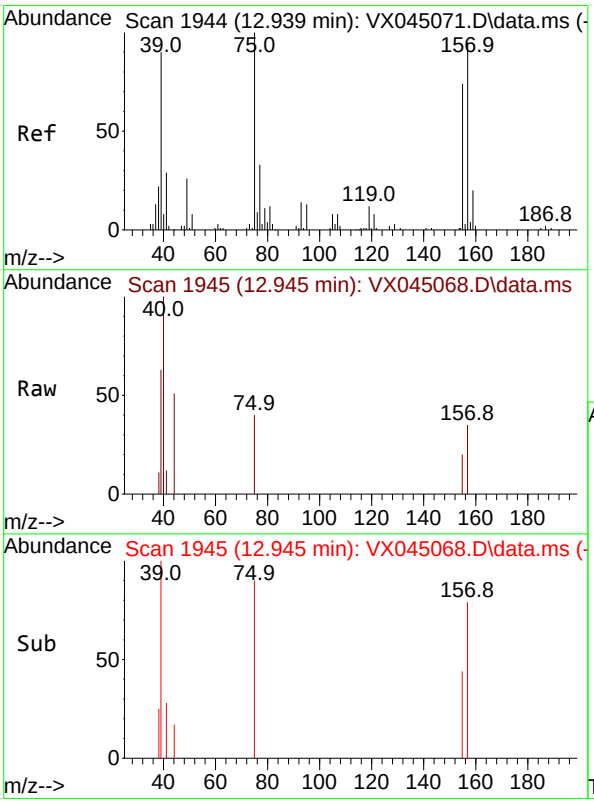
Ion	Ratio	Lower	Upper
146	100		
111	42.0	21.6	65.0
148	66.1	31.9	95.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

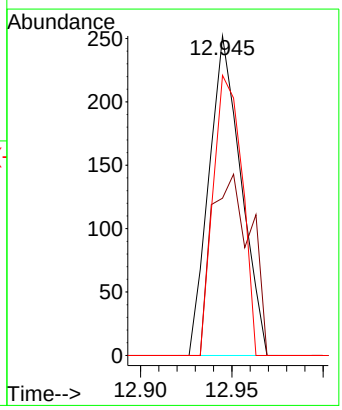
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

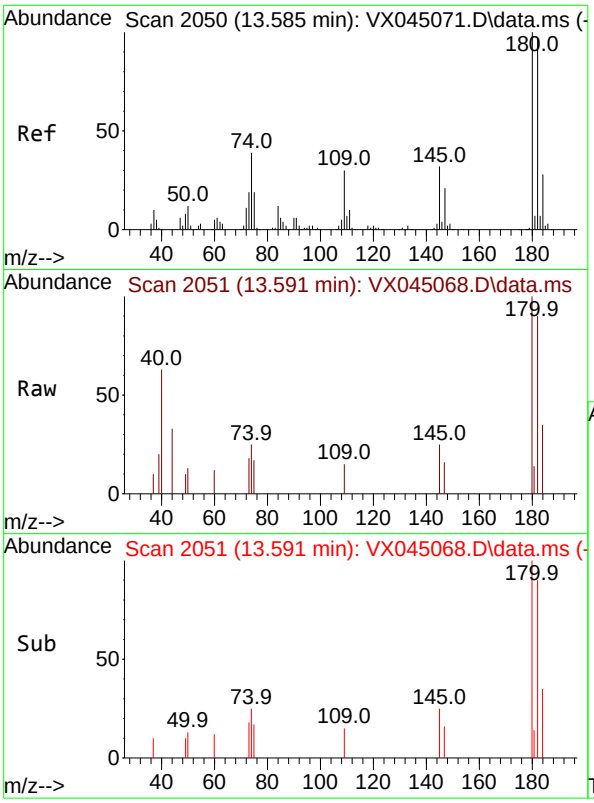


#92
1,2-Dibromo-3-Chloropropane
Concen: 0.859 ug/l
RT: 12.945 min Scan# 1945
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

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

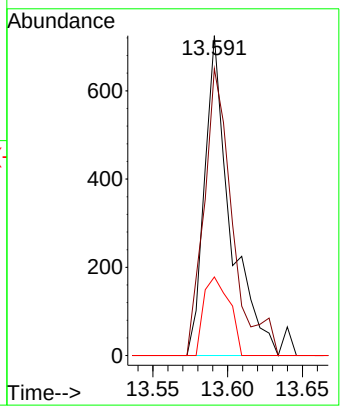




#93
1,2,4-Trichlorobenzene
Concen: 0.706 ug/l
RT: 13.591 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:180 Resp: 86

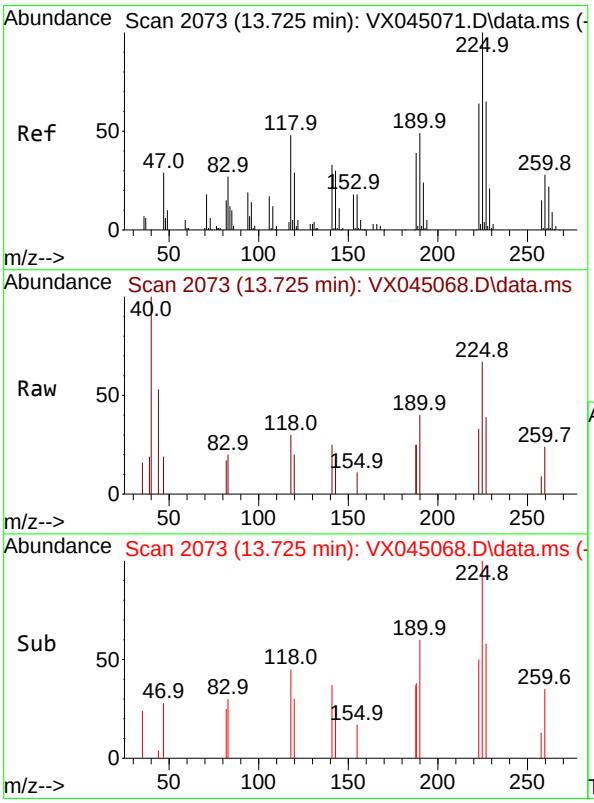
Ion	Ratio	Lower	Upper
180	100		
182	98.7	47.3	141.9
145	24.5	16.3	48.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

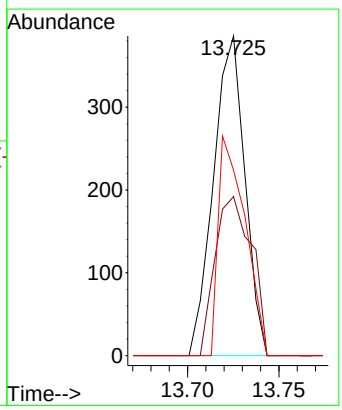
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

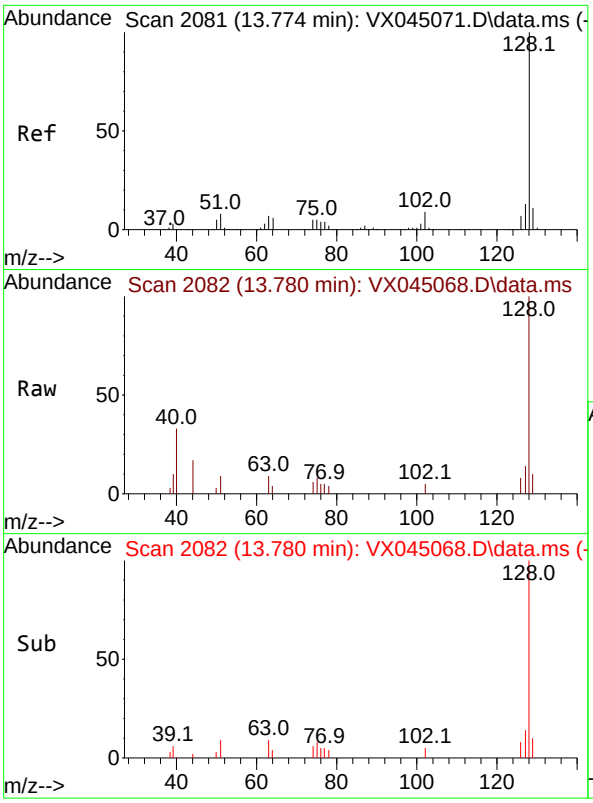


#94
Hexachlorobutadiene
Concen: 0.917 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

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

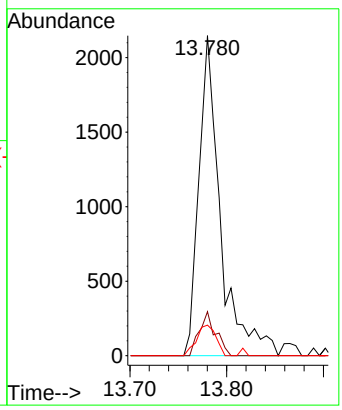




#95
Naphthalene
Concen: 0.707 ug/l
RT: 13.780 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:128 Resp: 333

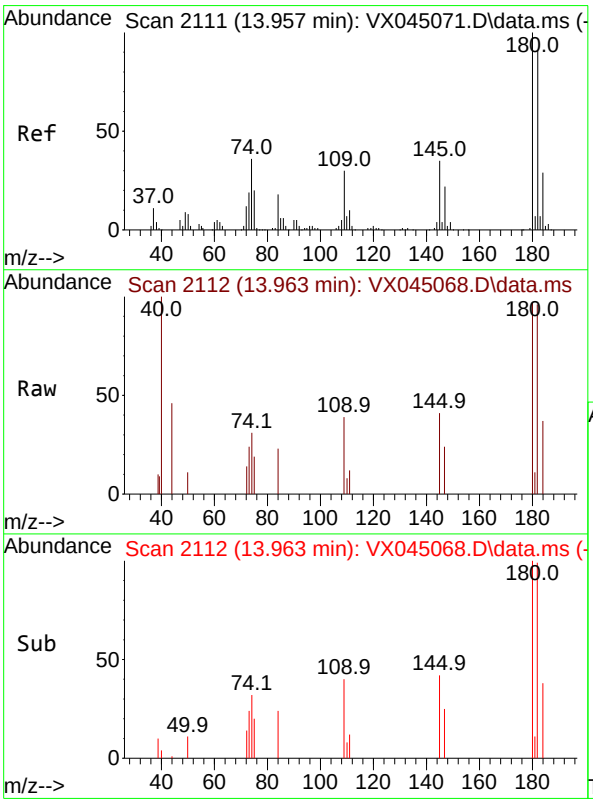
Ion	Ratio	Lower	Upper
128	100		
127	10.5	10.3	15.5
129	8.6	8.7	13.1#



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

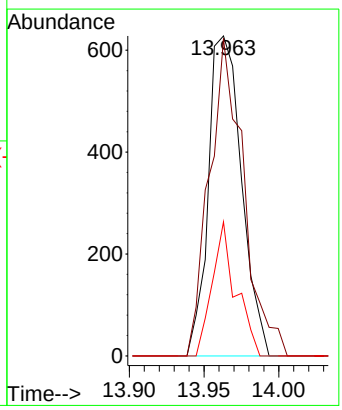
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#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

ICAL Form

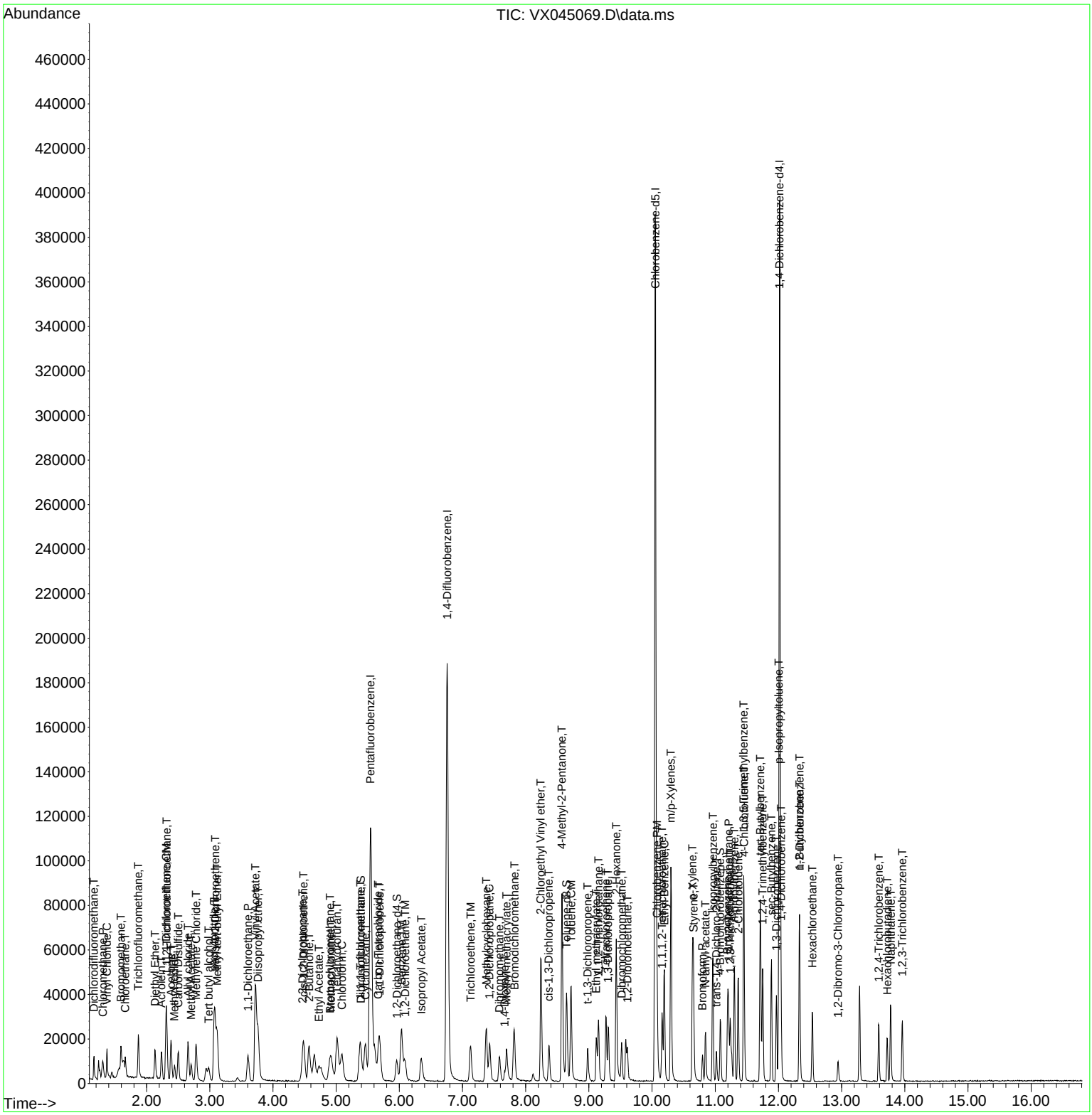
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Data File : VX045069.D
Acq On : 28 Feb 2025 02:13
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

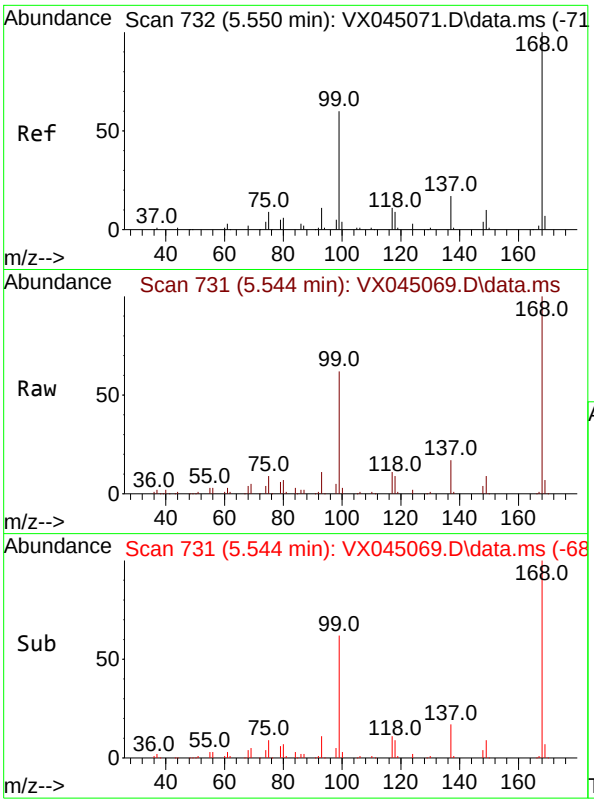
Quant Time: Feb 28 05:32:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

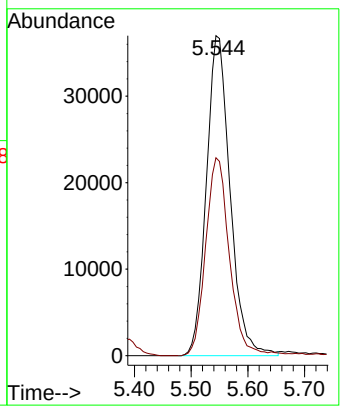




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:168 Resp: 10739

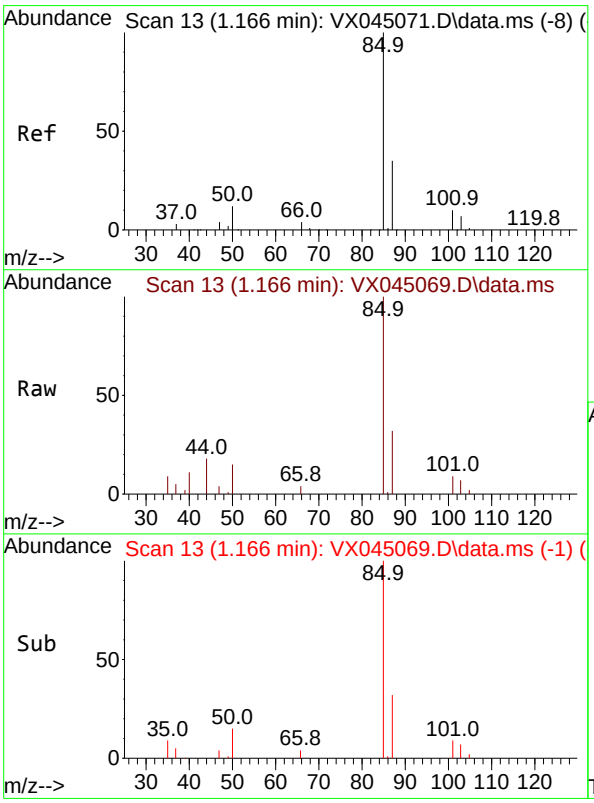
Ion	Ratio	Lower	Upper
168	100		
99	61.8	48.2	72.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

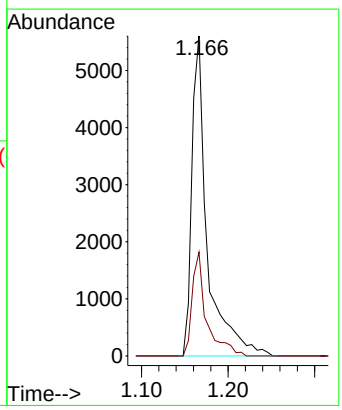
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

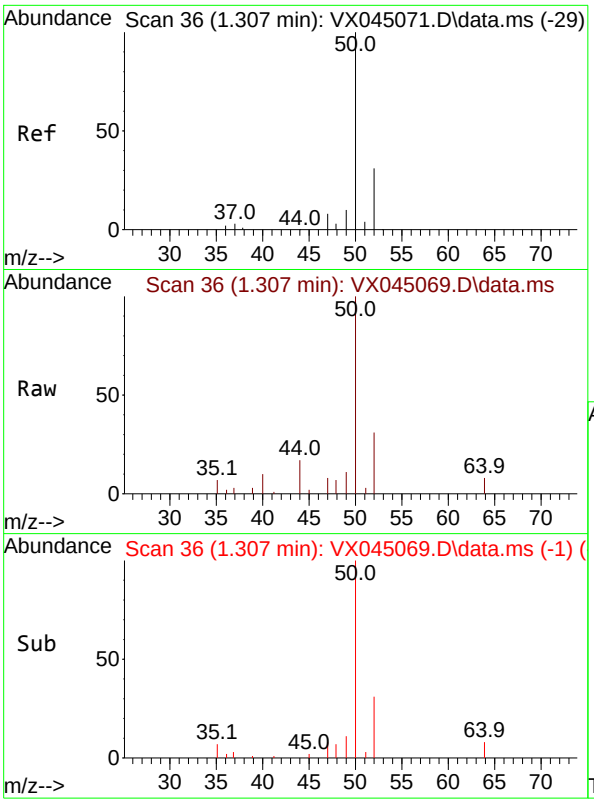


#2
Dichlorodifluoromethane
Concen: 4.689 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 85 Resp: 6941

Ion	Ratio	Lower	Upper
85	100		
87	32.4	17.4	52.3

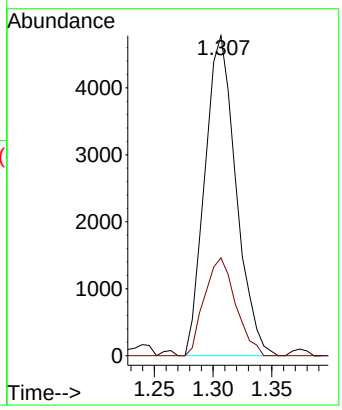




#3
Chloromethane
Concen: 4.896 ug/l
RT: 1.307 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 50 Resp: 881

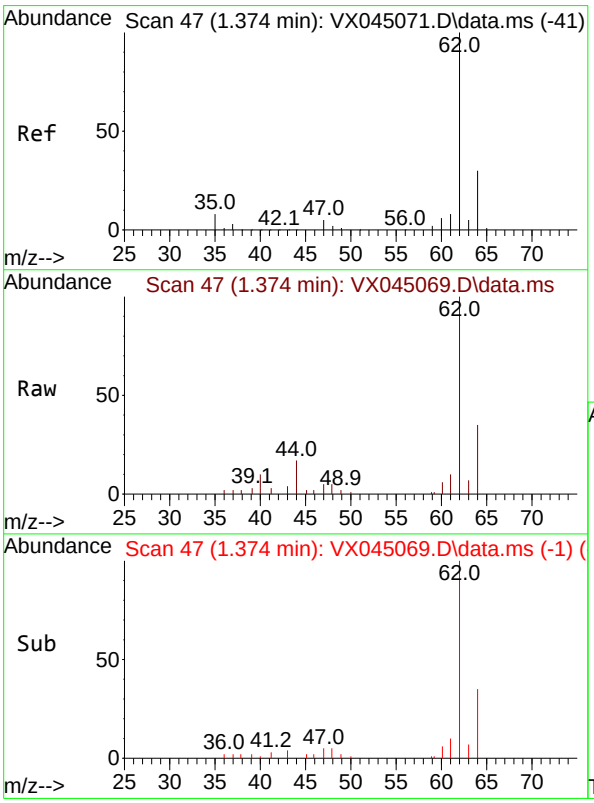
Ion	Ratio	Lower	Upper
50	100		
52	30.6	25.0	37.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

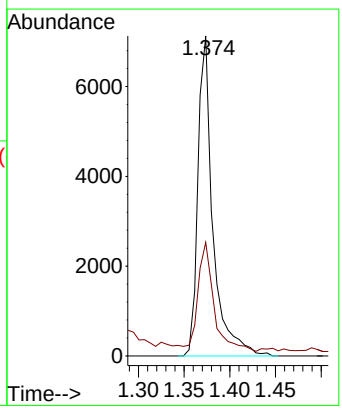
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

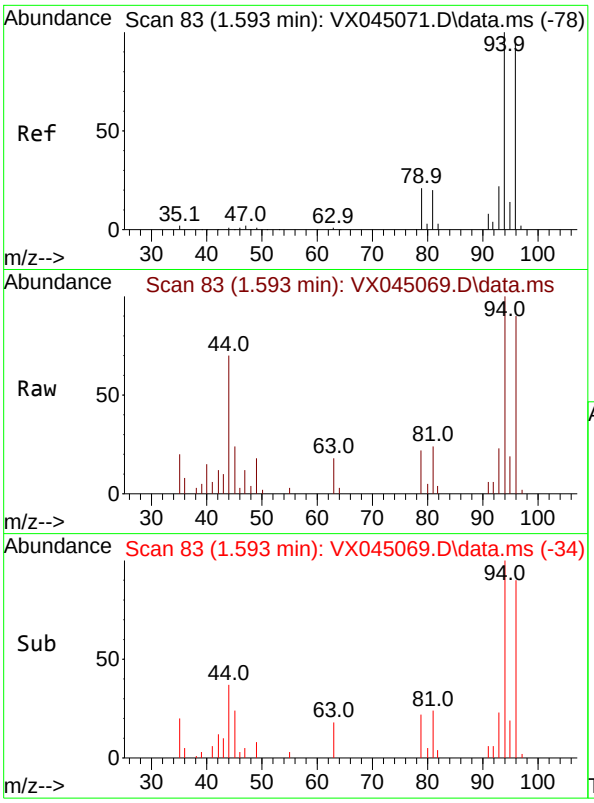


#4
Vinyl Chloride
Concen: 4.608 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 62 Resp: 8106

Ion	Ratio	Lower	Upper
62	100		
64	33.9	24.3	36.5

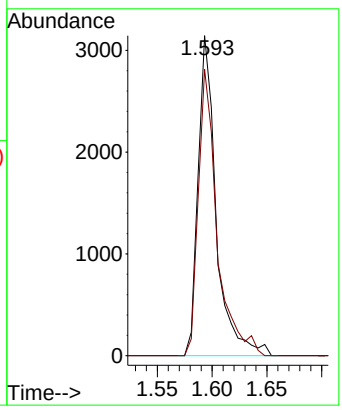




#5
Bromomethane
Concen: 6.582 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 94 Resp: 362

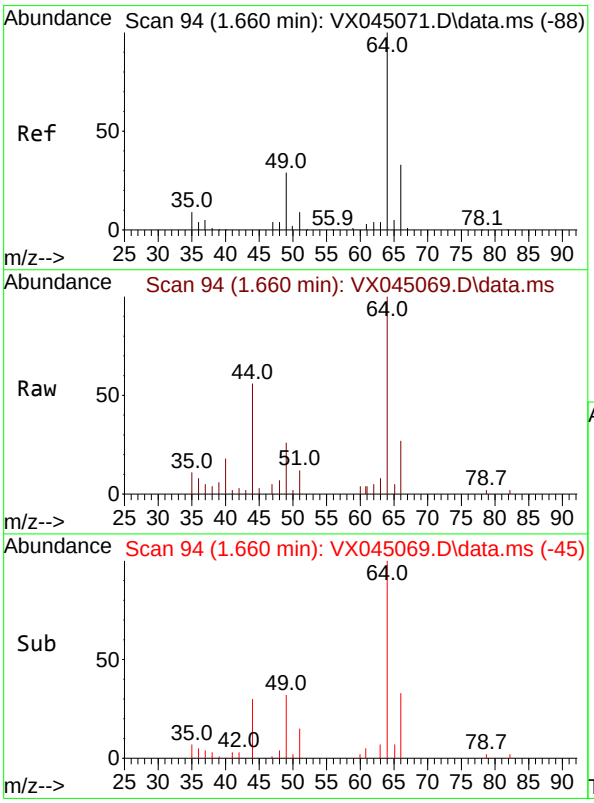
Ion	Ratio	Lower	Upper
94	100		
96	89.5	75.0	112.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

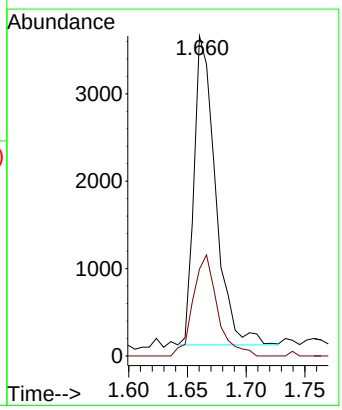
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

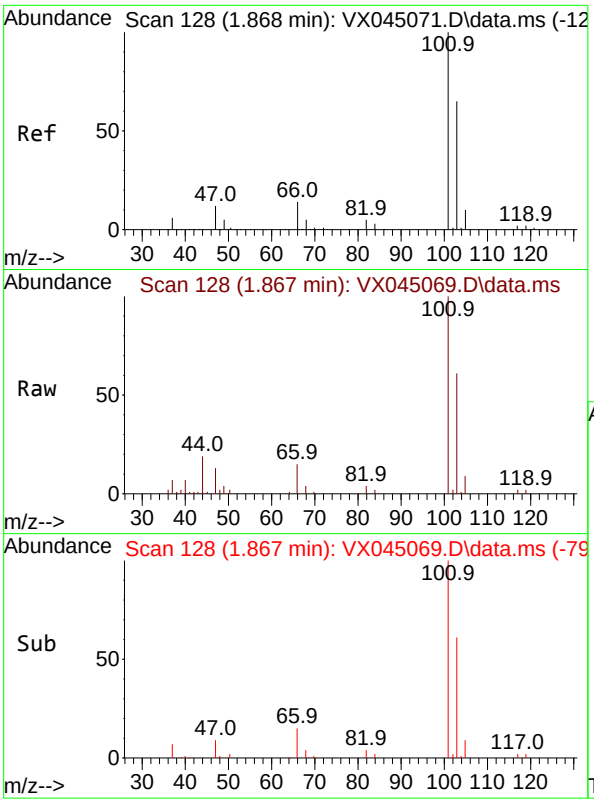


#6
Chloroethane
Concen: 6.746 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 64 Resp: 4517

Ion	Ratio	Lower	Upper
64	100		
66	28.1	26.7	40.1

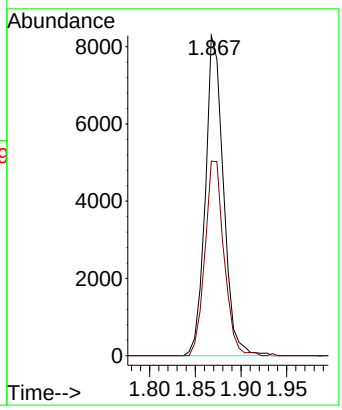




#7
Trichlorofluoromethane
Concen: 5.056 ug/l
RT: 1.867 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:101 Resp: 1139

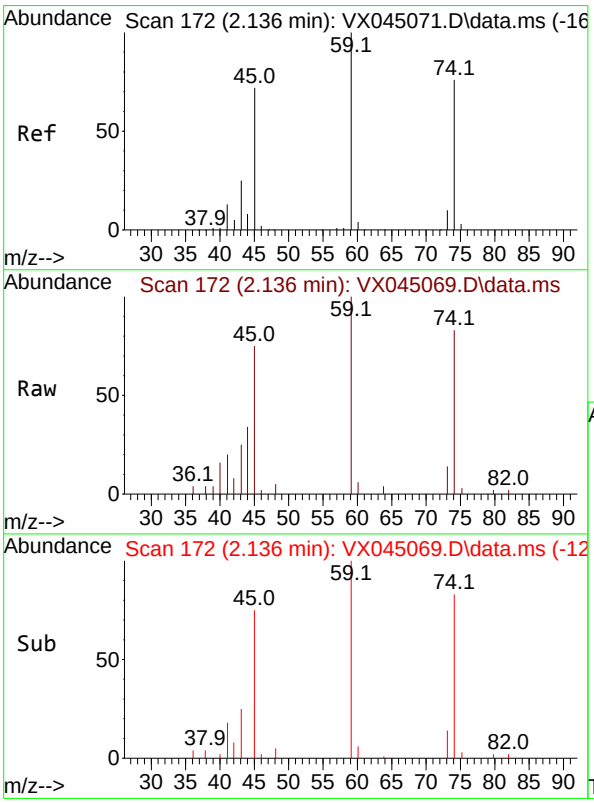
Ion	Ratio	Lower	Upper
101	100		
103	60.8	52.1	78.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

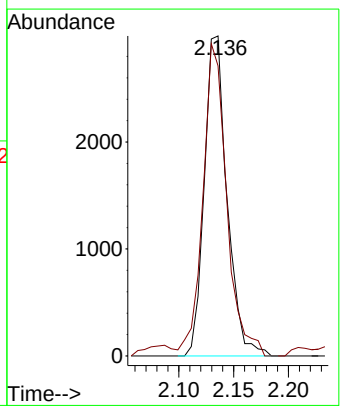
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

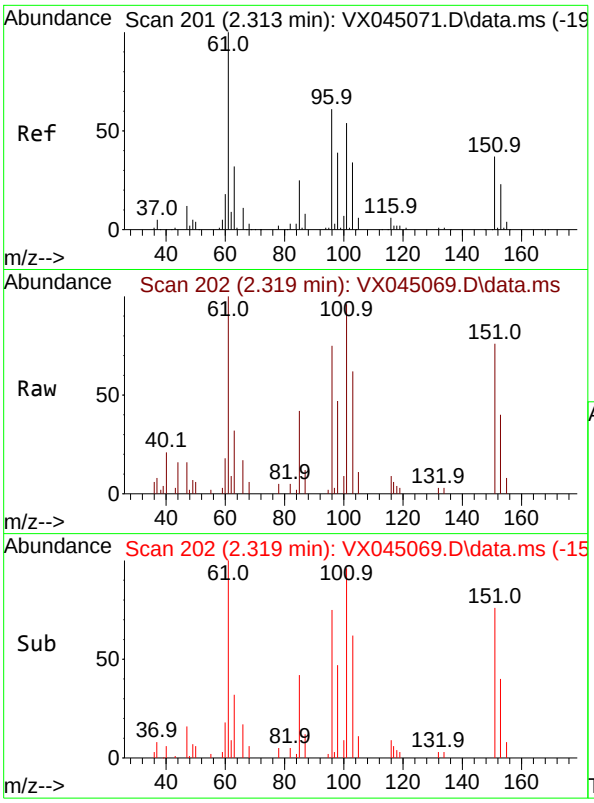


#8
Diethyl Ether
Concen: 5.268 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 74 Resp: 4314

Ion	Ratio	Lower	Upper
74	100		
45	101.9	51.5	154.5

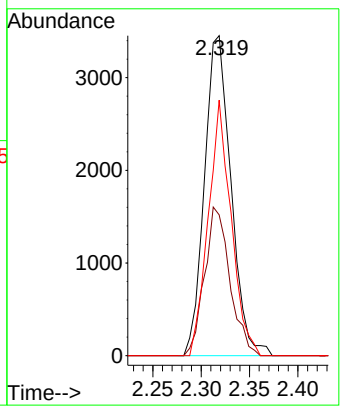




#9
1,1,2-Trichlorotrifluoroethane
Concen: 4.894 ug/l
RT: 2.319 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:101 Resp: 658

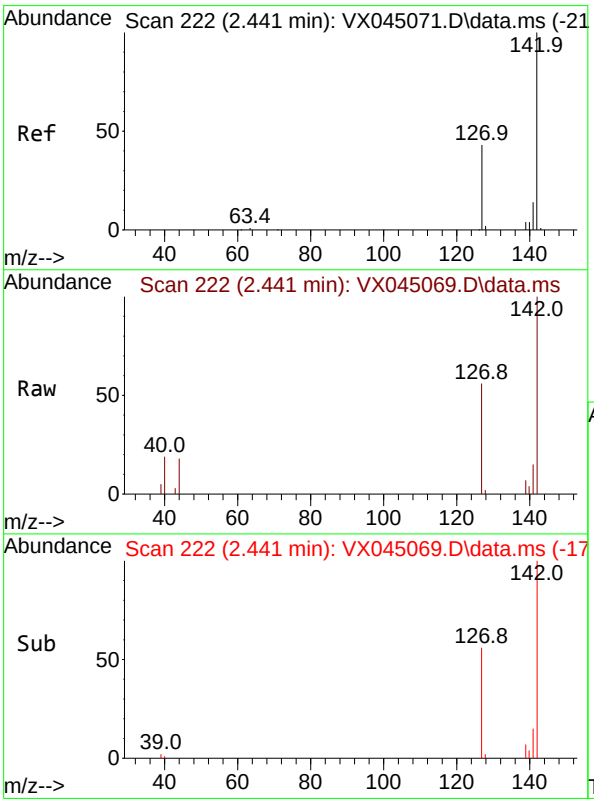
Ion	Ratio	Lower	Upper
101	100		
85	44.4	36.2	54.4
151	69.0	56.4	84.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

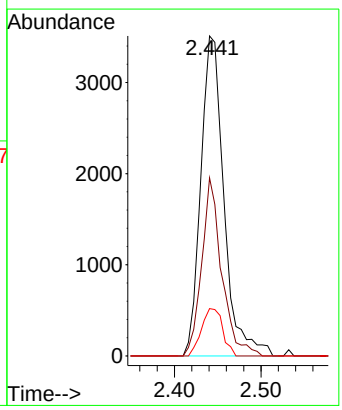
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

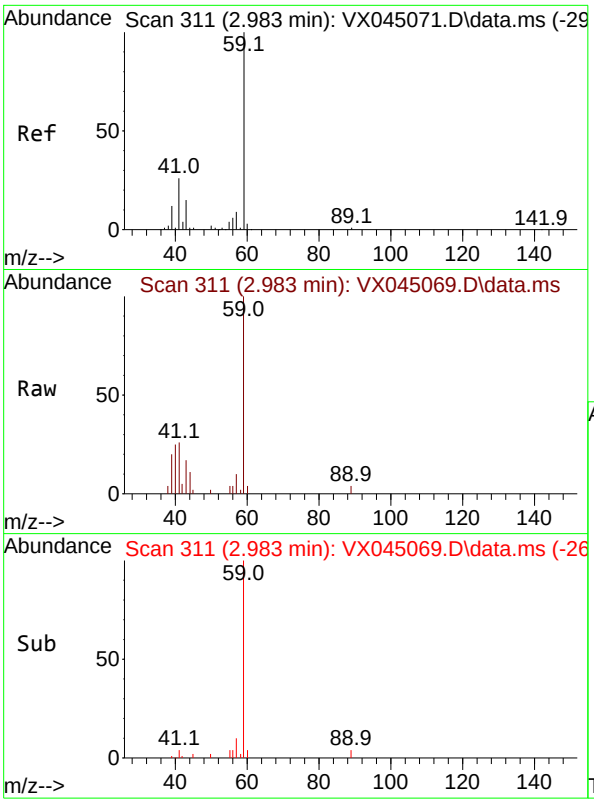


#10
Methyl Iodide
Concen: 3.780 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

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

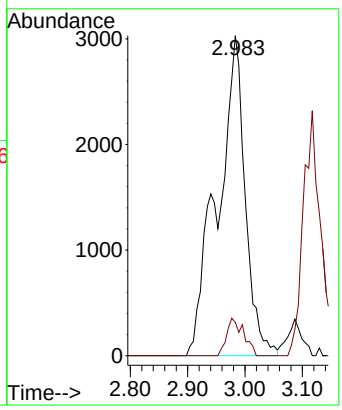




#11
Tert butyl alcohol
Concen: 34.976 ug/l m
RT: 2.983 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 59 Resp: 1016

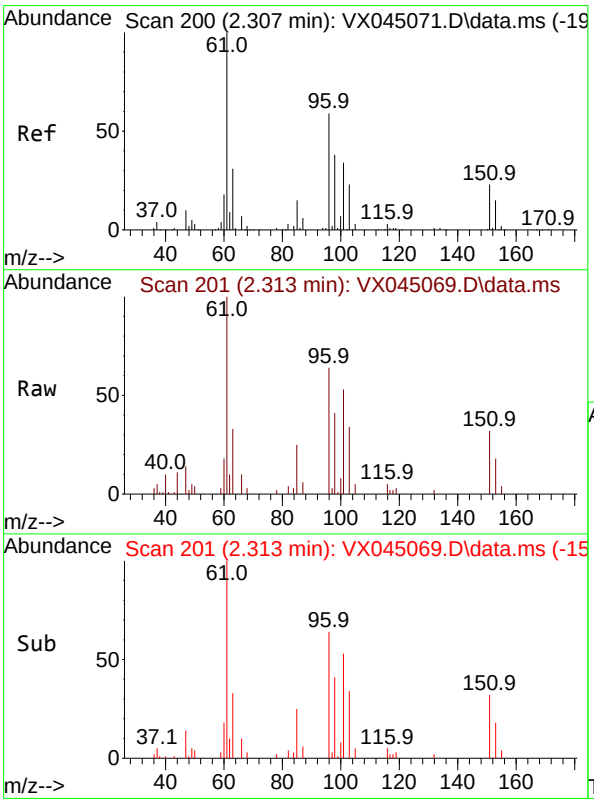
Ion	Ratio	Lower	Upper
59	100		
57	7.2	7.8	11.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

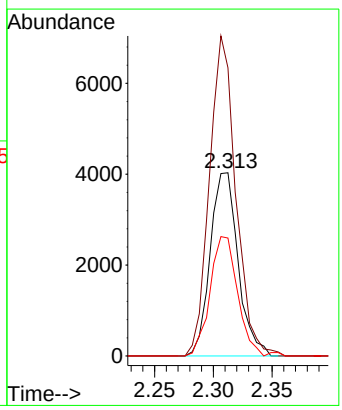
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

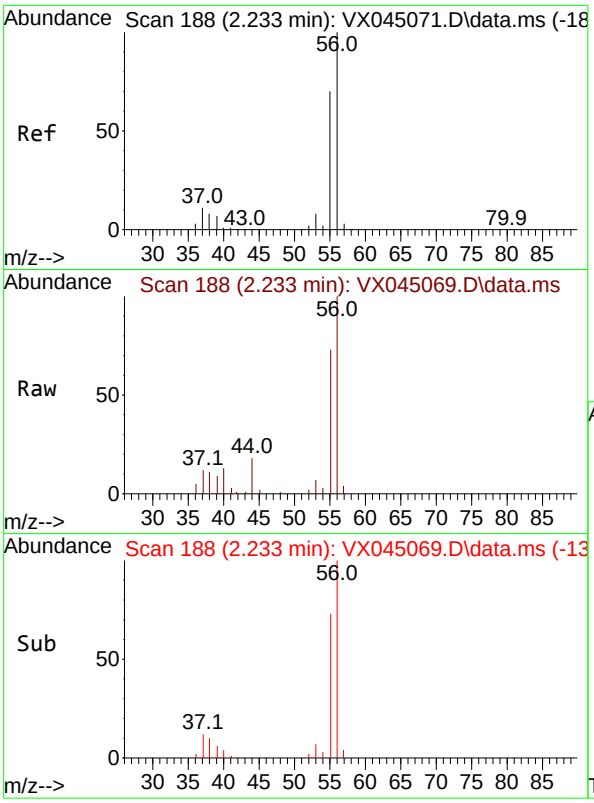


#12
1,1-Dichloroethene
Concen: 4.819 ug/l
RT: 2.313 min Scan# 201
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

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

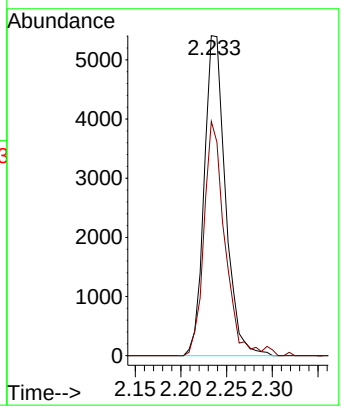
Tgt Ion: 56 Resp: 872

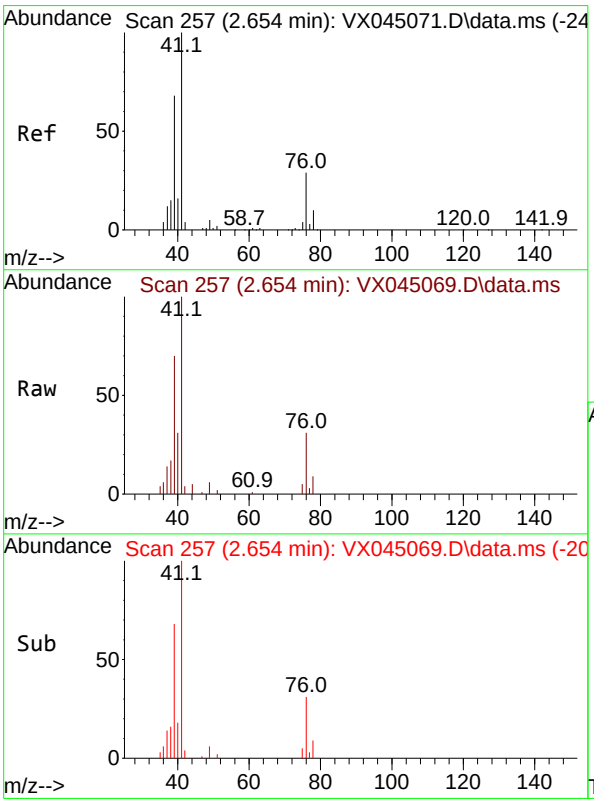
Ion	Ratio	Lower	Upper
56	100		
55	72.4	56.2	84.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

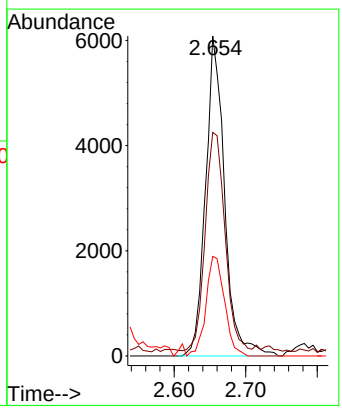


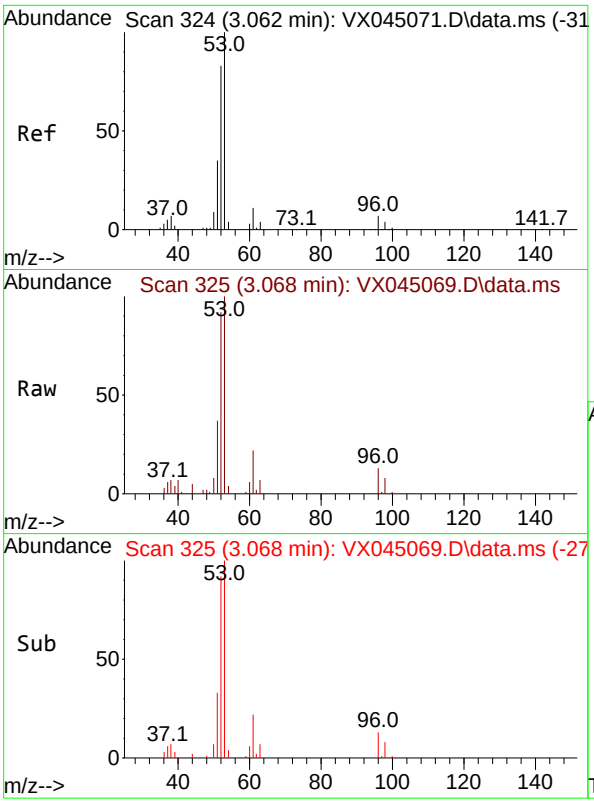


#14
Allyl chloride
Concen: 4.527 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

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

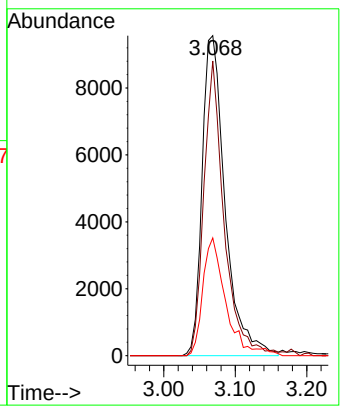




#15
Acrylonitrile
Concen: 27.072 ug/l
RT: 3.068 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 53 Resp: 2138

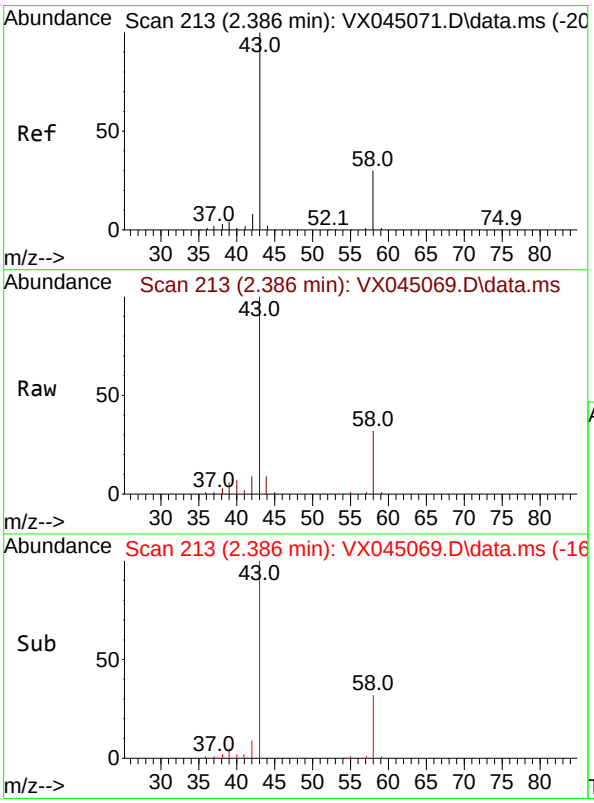
Ion	Ratio	Lower	Upper
53	100		
52	81.1	66.2	99.2
51	36.7	29.0	43.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

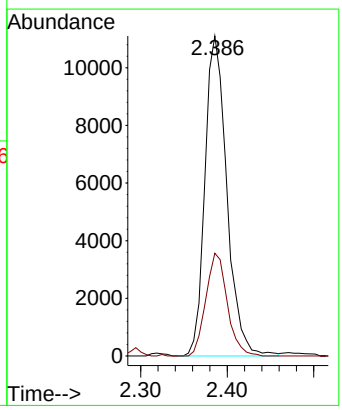
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

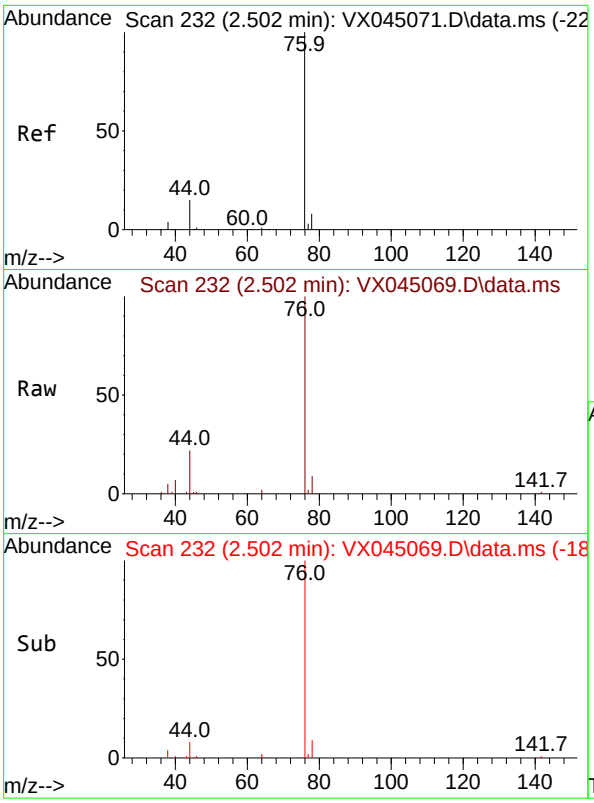


#16
Acetone
Concen: 29.891 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

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

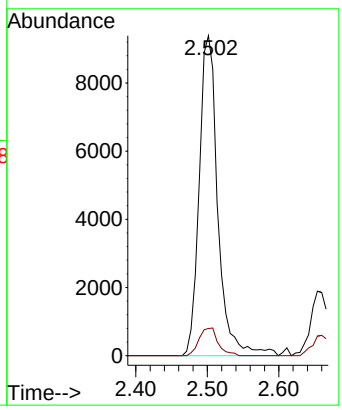
Tgt Ion: 76 Resp: 1698

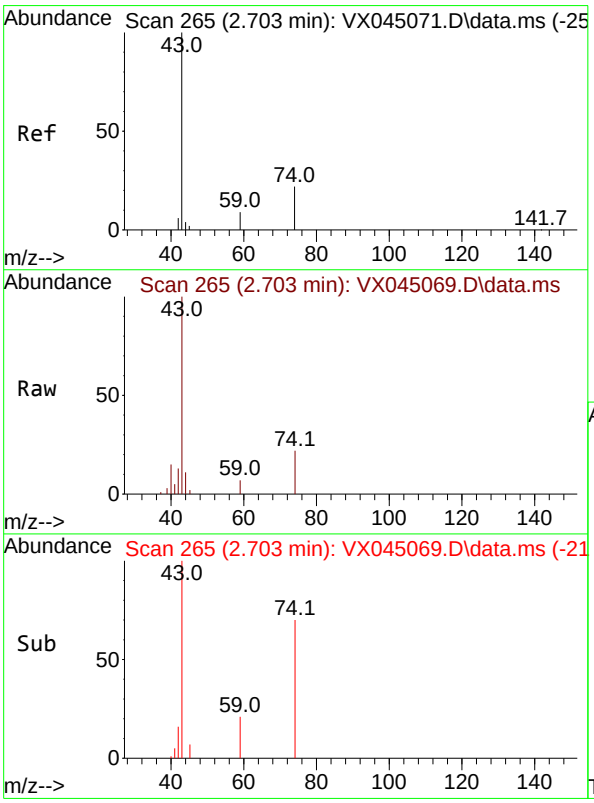
Ion	Ratio	Lower	Upper
76	100		
78	8.5	6.6	9.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

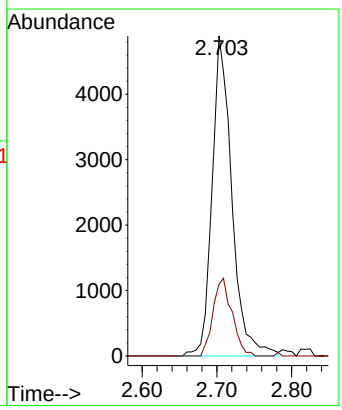


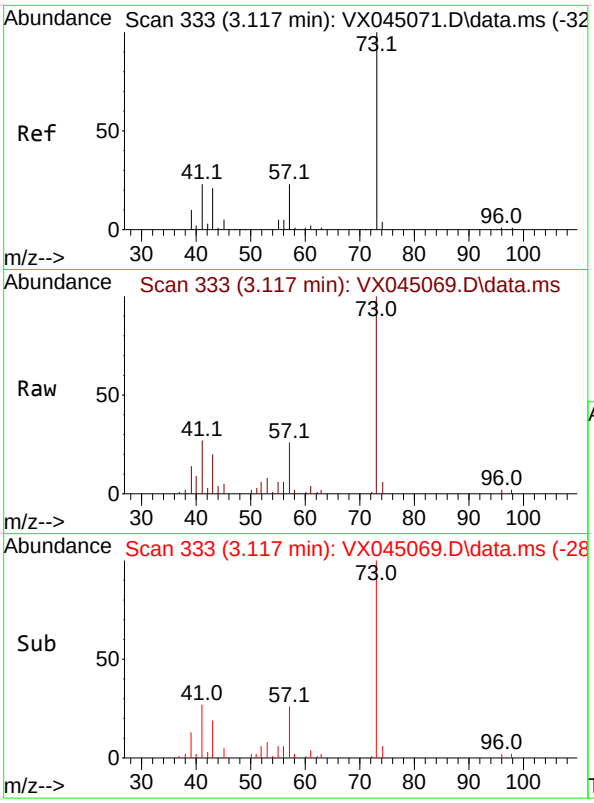


#18
Methyl Acetate
Concen: 4.559 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

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

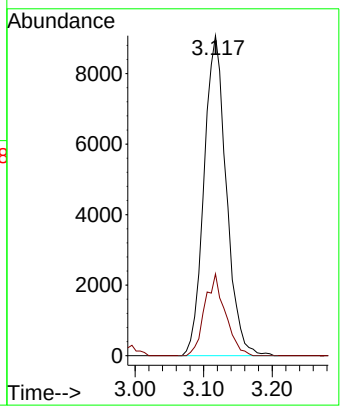
Tgt Ion: 73 Resp: 2054

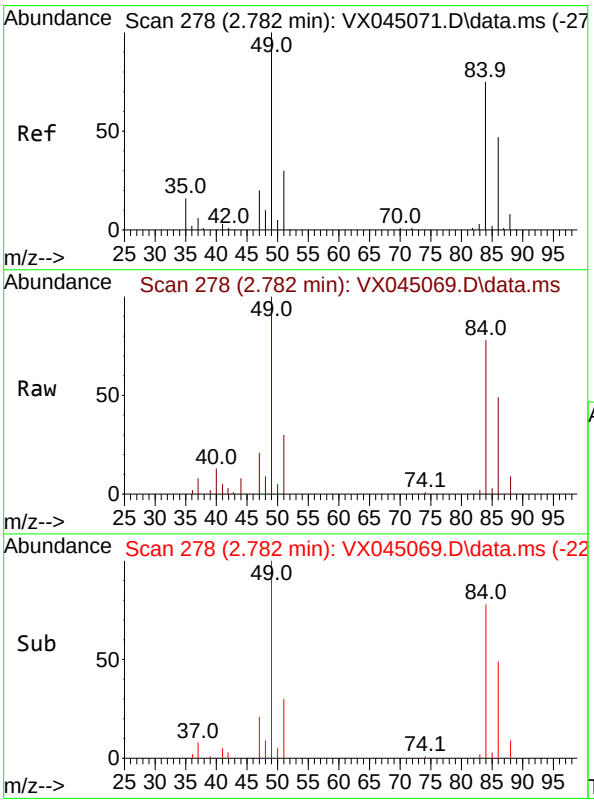
Ion	Ratio	Lower	Upper
73	100		
57	25.6	18.5	27.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

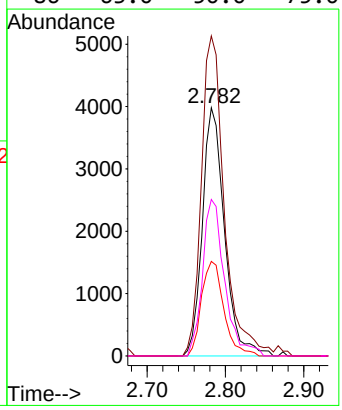


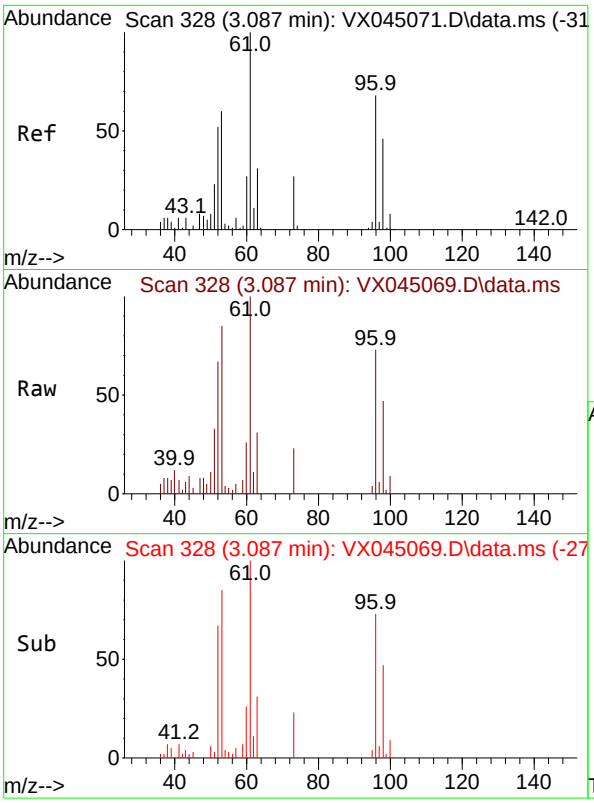


#20
Methylene Chloride
Concen: 5.068 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

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

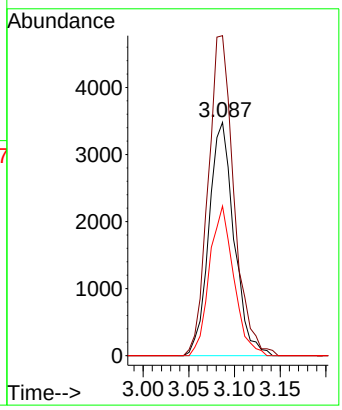




#21
trans-1,2-Dichloroethene
Concen: 4.895 ug/l
RT: 3.087 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 96 Resp: 665

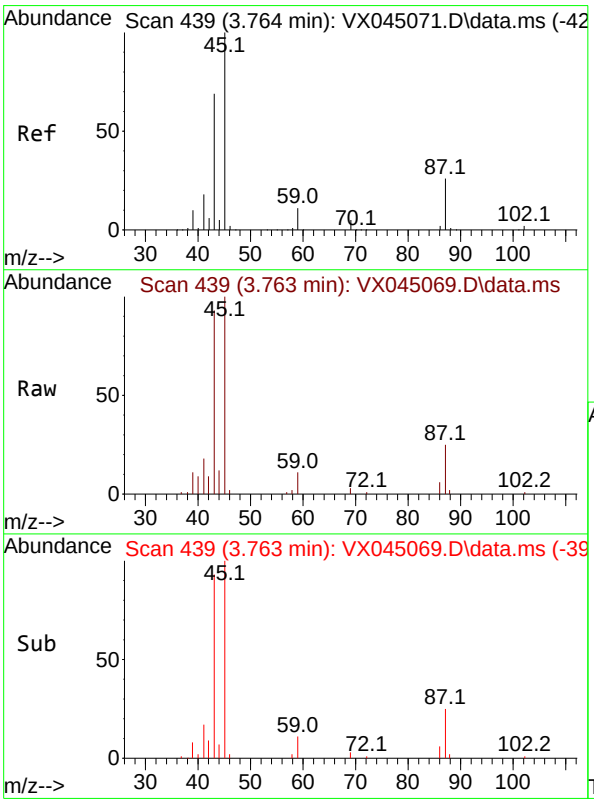
Ion	Ratio	Lower	Upper
96	100		
61	137.2	117.0	175.4
98	64.1	53.4	80.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

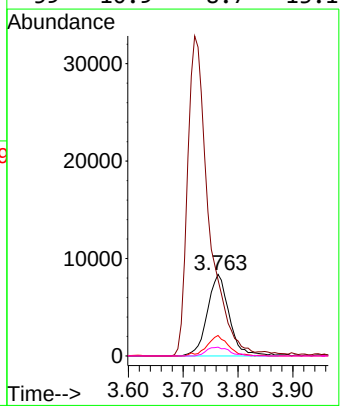
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

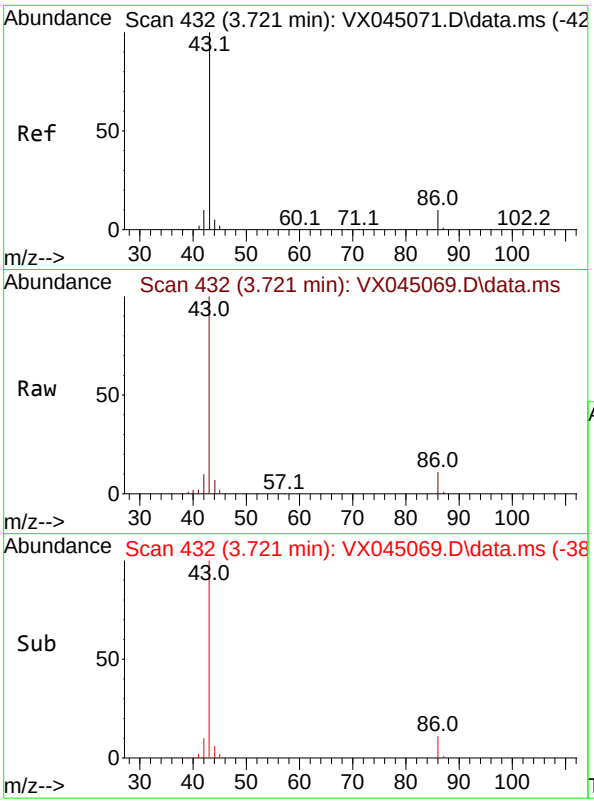


#22
Diisopropyl ether
Concen: 4.875 ug/l
RT: 3.763 min Scan# 439
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

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

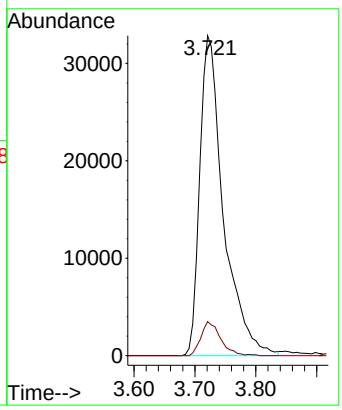
Tgt Ion: 43 Resp: 8885

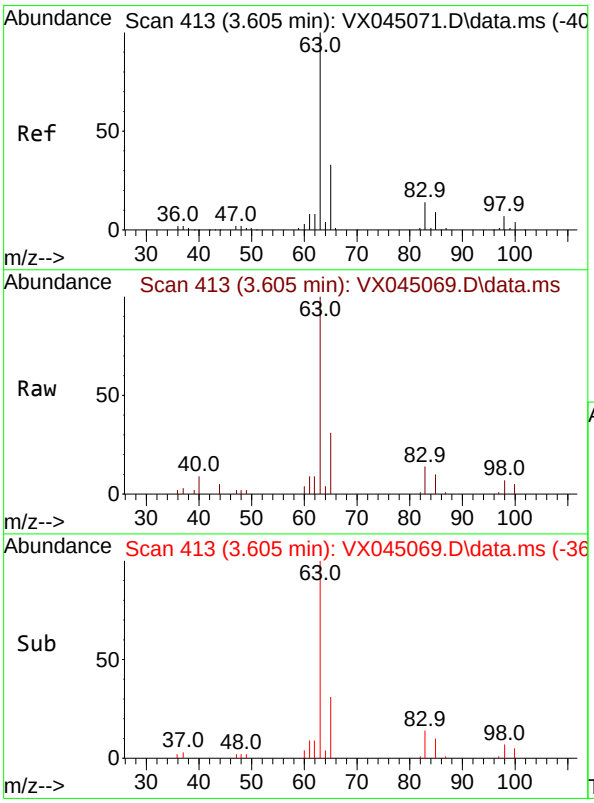
Ion	Ratio	Lower	Upper
43	100		
86	10.7	8.1	12.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

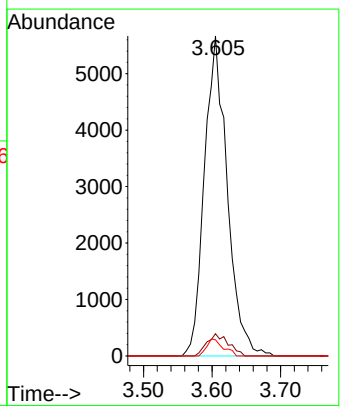


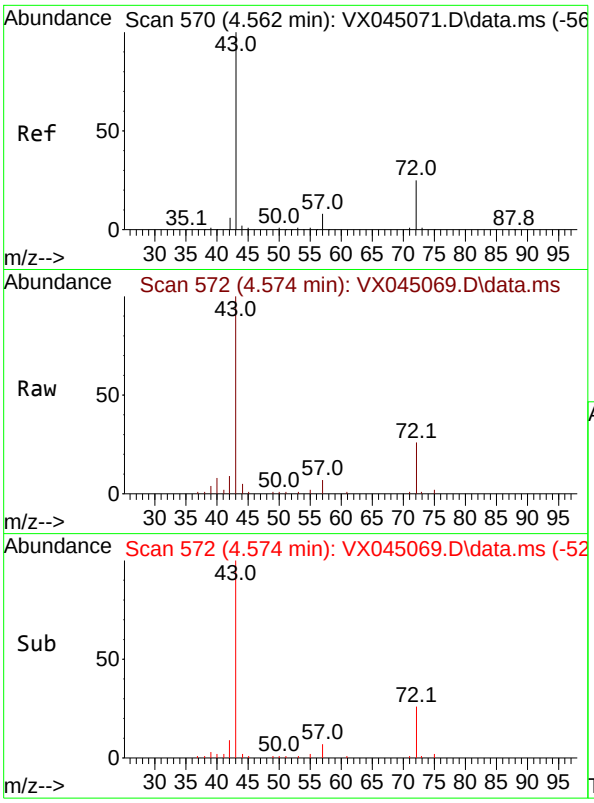


#24
1,1-Dichloroethane
Concen: 4.949 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

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

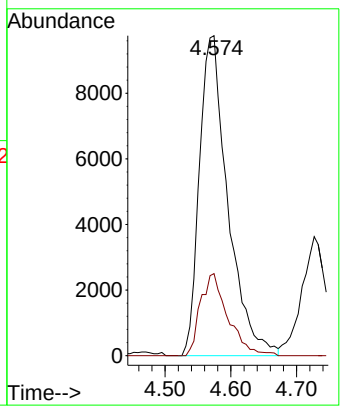
Tgt Ion: 43 Resp: 2927

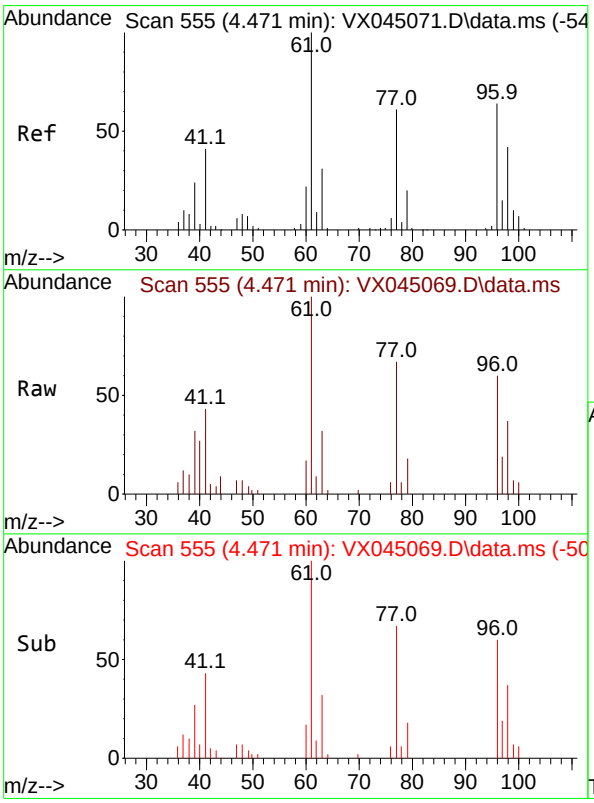
Ion	Ratio	Lower	Upper
43	100		
72	25.7	20.0	30.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

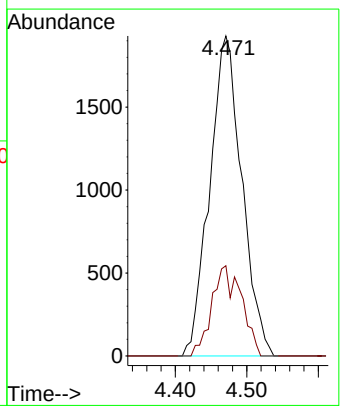


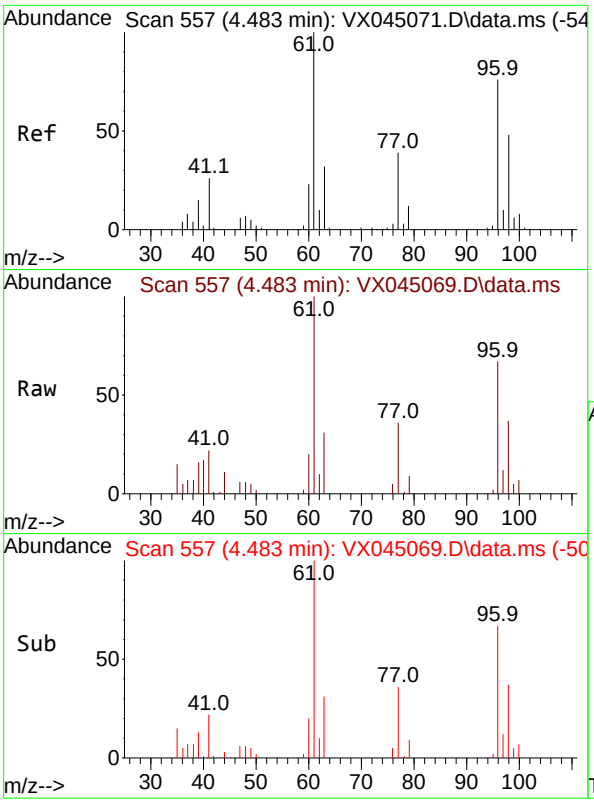


#26
2,2-Dichloropropane
Concen: 3.059 ug/l
RT: 4.471 min Scan# 555
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 77 Resp: 6034

Ion	Ratio	Lower	Upper
77	100		
97	26.0	12.4	37.0

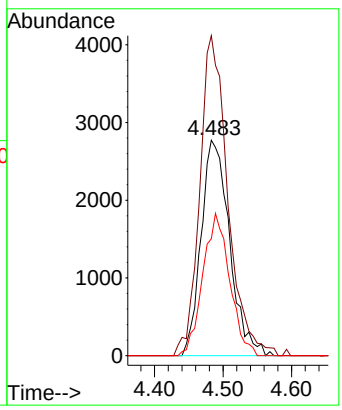




#27
cis-1,2-Dichloroethene
Concen: 4.892 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 96 Resp: 801

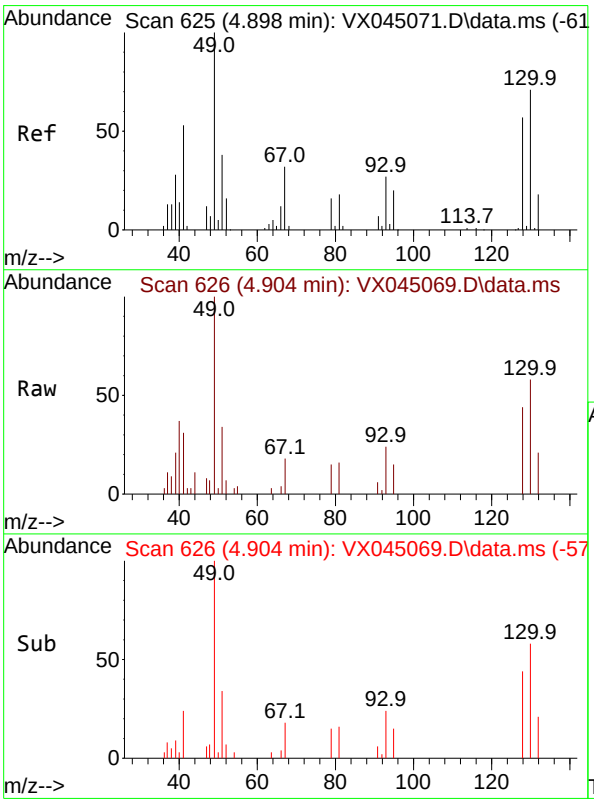
Ion	Ratio	Lower	Upper
96	100		
61	146.1	0.0	283.2
98	62.0	0.0	128.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

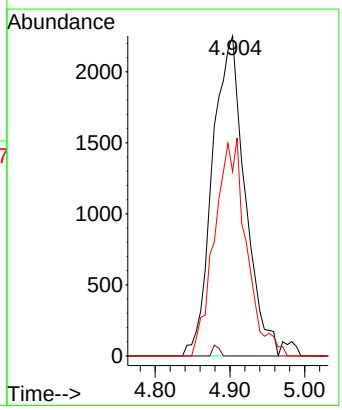
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

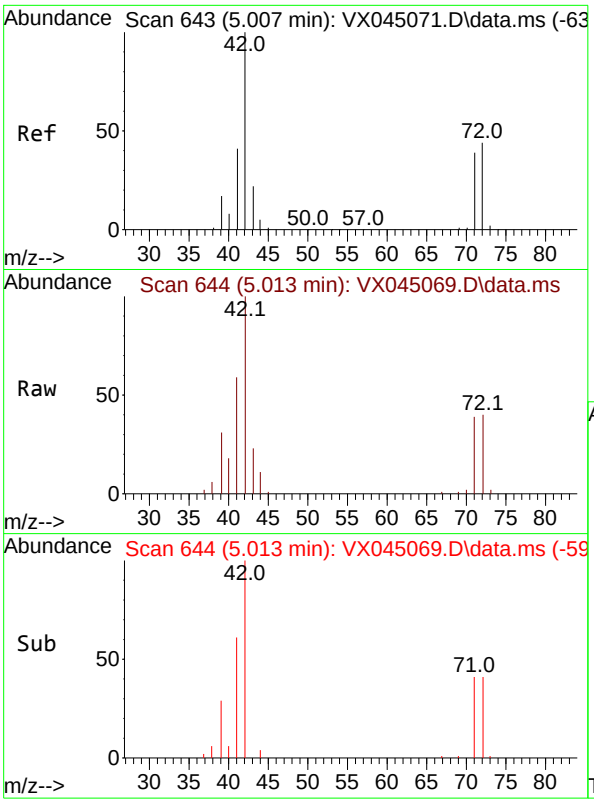


#28
Bromochloromethane
Concen: 5.311 ug/l
RT: 4.904 min Scan# 626
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

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

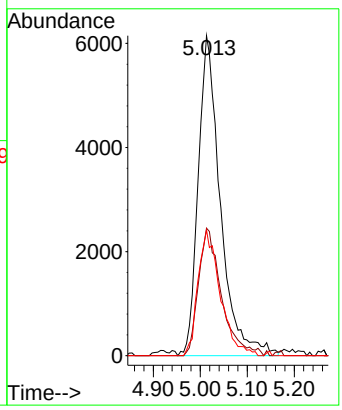




#29
Tetrahydrofuran
Concen: 28.950 ug/l
RT: 5.013 min Scan# 64
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 42 Resp: 2018

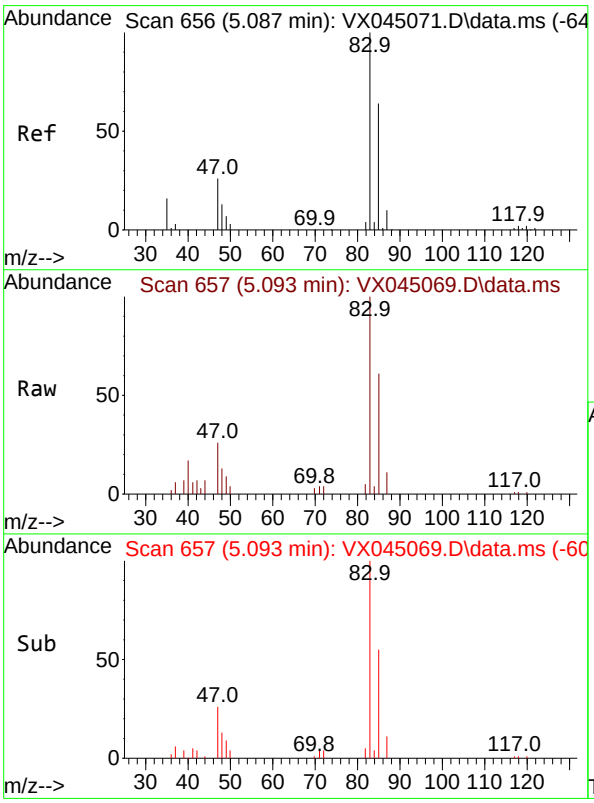
Ion	Ratio	Lower	Upper
42	100		
72	41.2	34.1	51.1
71	39.3	31.4	47.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

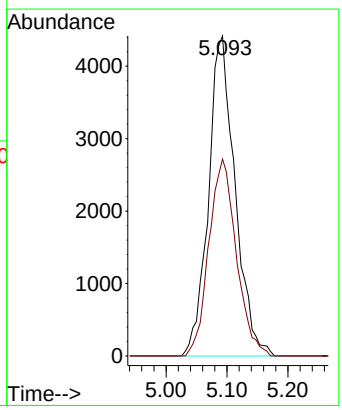
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

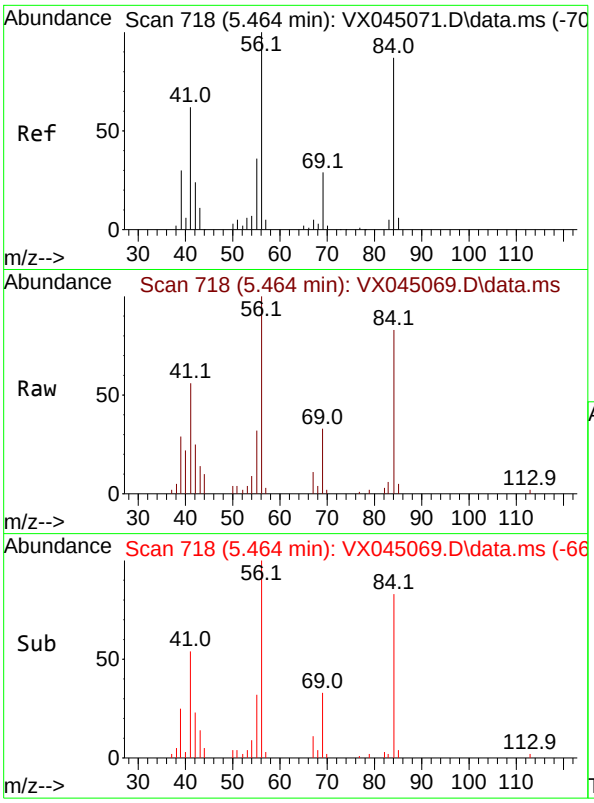


#30
Chloroform
Concen: 5.159 ug/l
RT: 5.093 min Scan# 657
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 83 Resp: 13390

Ion	Ratio	Lower	Upper
83	100		
85	61.5	51.4	77.2

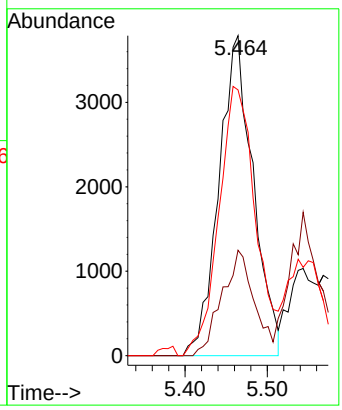




#31
Cyclohexane
Concen: 4.504 ug/l
RT: 5.464 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 56 Resp: 1096

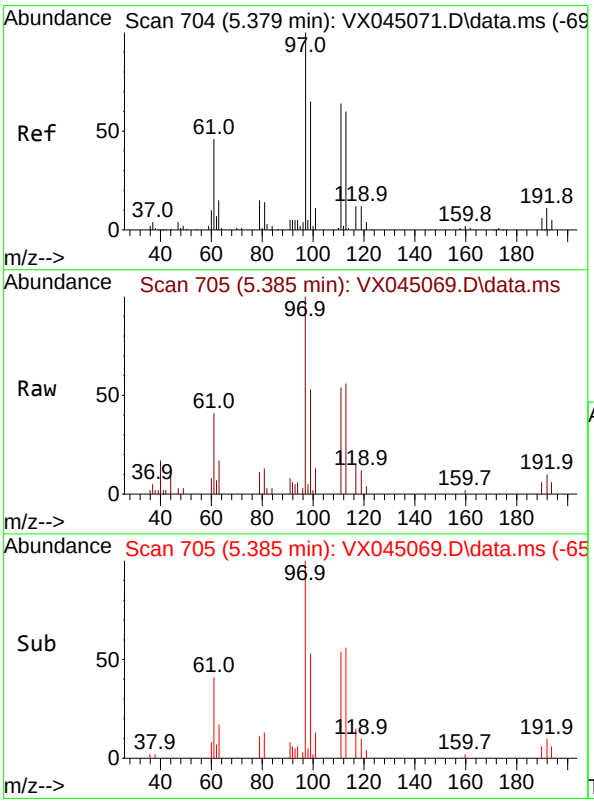
Ion	Ratio	Lower	Upper
56	100		
69	33.0	23.4	35.2
84	83.1	69.4	104.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

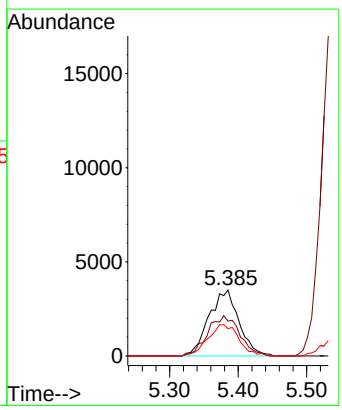
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

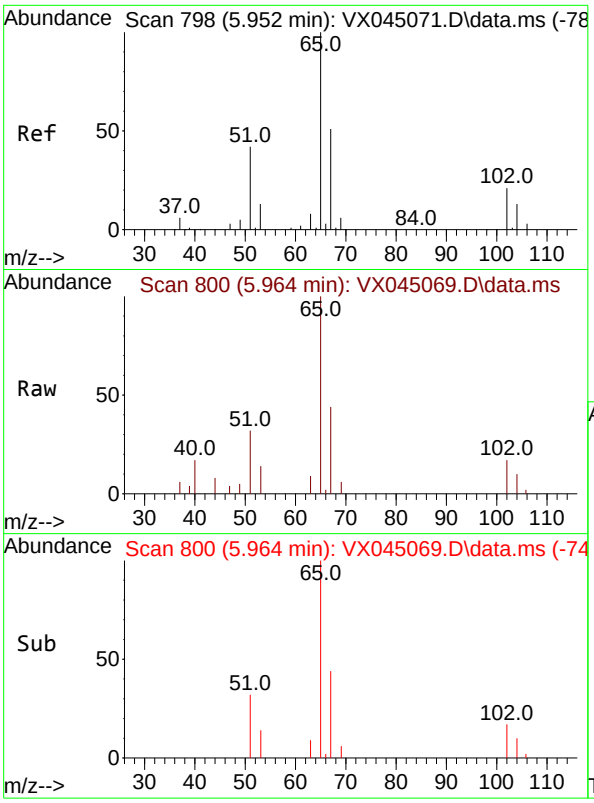


#32
1,1,1-Trichloroethane
Concen: 4.876 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

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

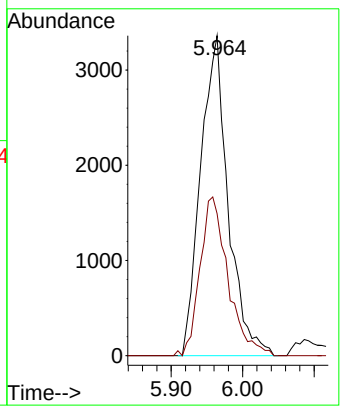




#33
1,2-Dichloroethane-d4
Concen: 5.659 ug/l
RT: 5.964 min Scan# 8
Delta R.T. 0.012 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 65 Resp: 897

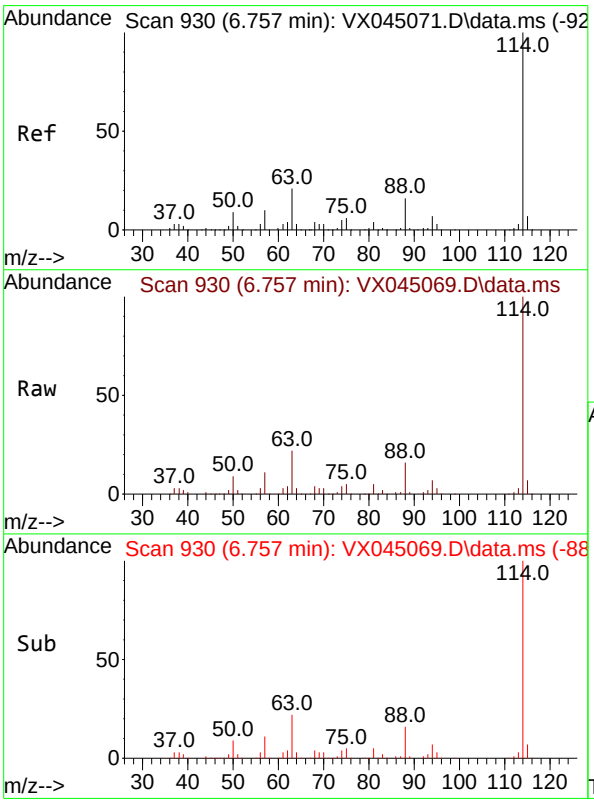
Ion	Ratio	Lower	Upper
65	100		
67	50.5	0.0	106.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

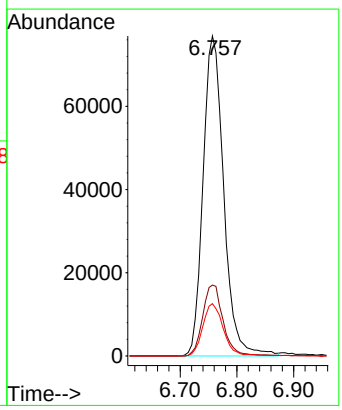
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

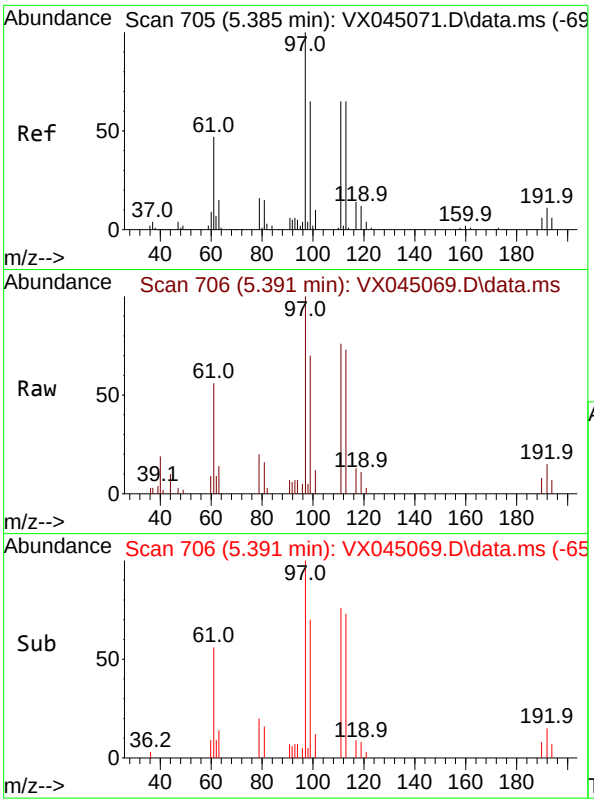


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

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

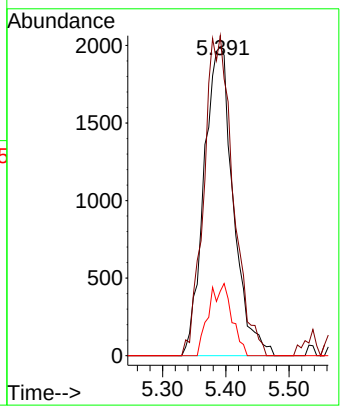




#35
Dibromofluoromethane
Concen: 5.039 ug/l
RT: 5.391 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:113 Resp: 639

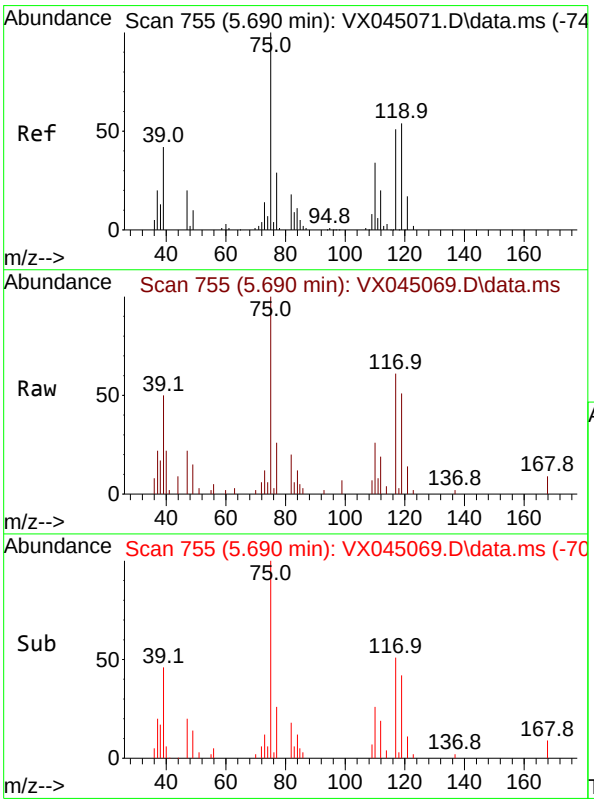
Ion	Ratio	Lower	Upper
113	100		
111	103.9	81.8	122.6
192	18.3	14.3	21.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

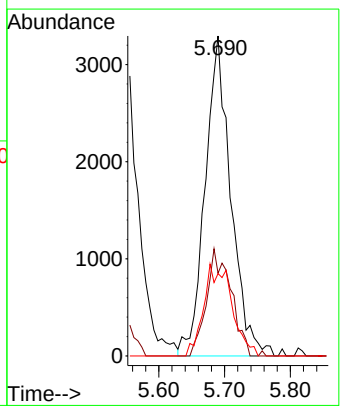
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

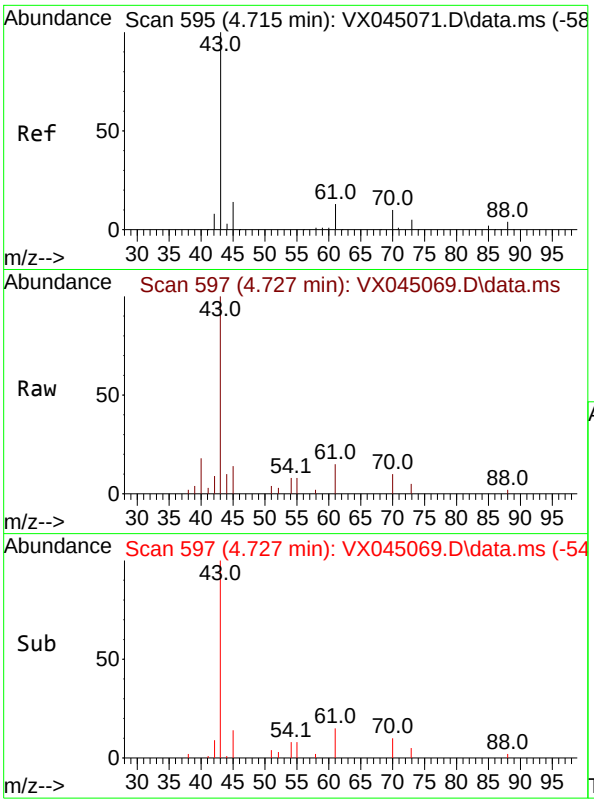


#36
1,1-Dichloropropene
Concen: 4.917 ug/l
RT: 5.690 min Scan# 755
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

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#

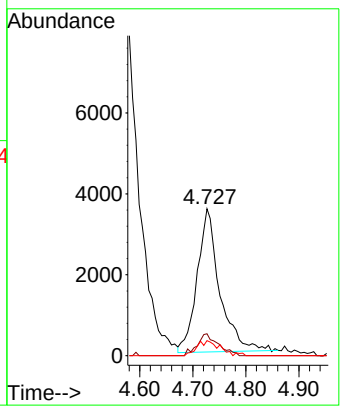




#37
Ethyl Acetate
Concen: 5.035 ug/l
RT: 4.727 min Scan# 5
Delta R.T. 0.012 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 43 Resp: 1045

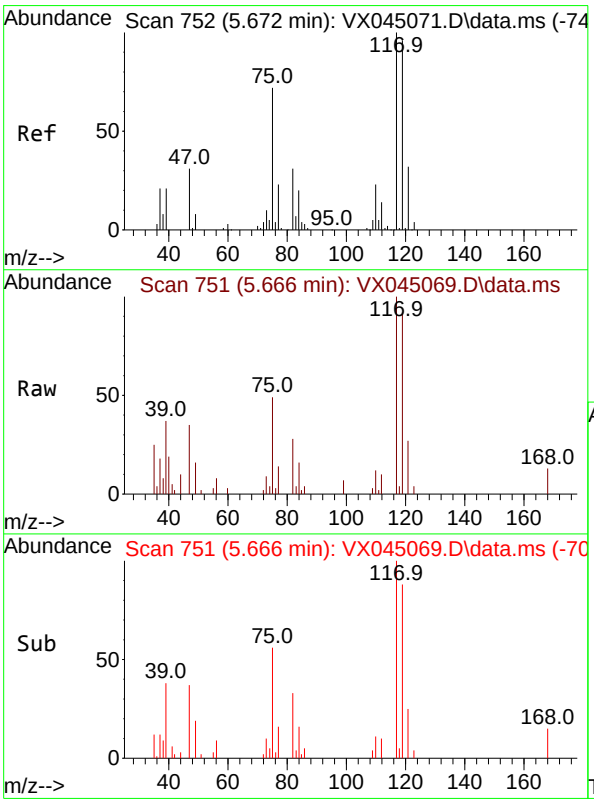
Ion	Ratio	Lower	Upper
43	100		
61	14.4	10.8	16.2
70	10.2	7.7	11.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

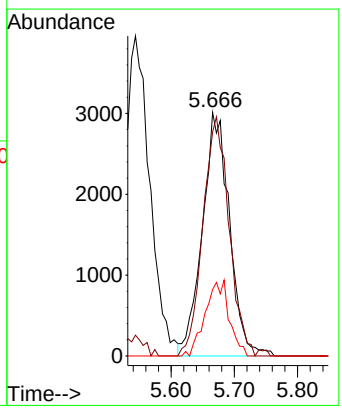
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

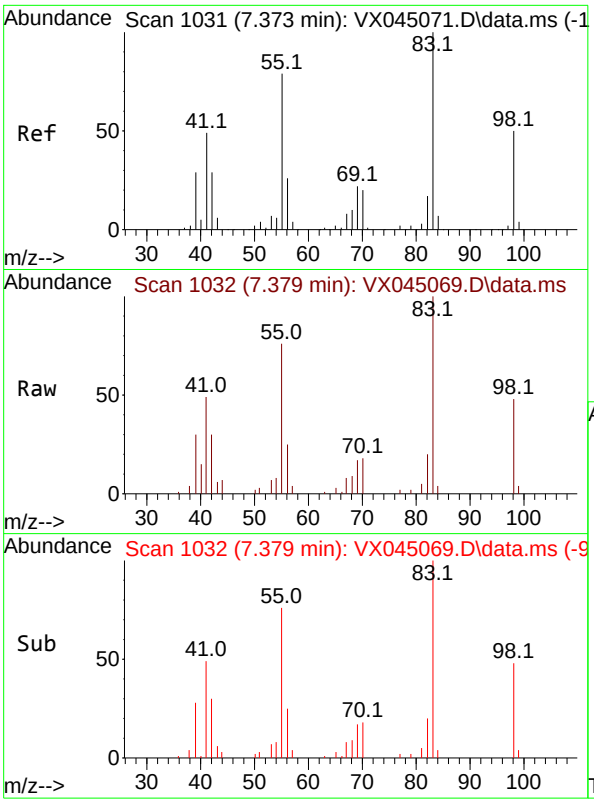


#38
Carbon Tetrachloride
Concen: 5.013 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

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

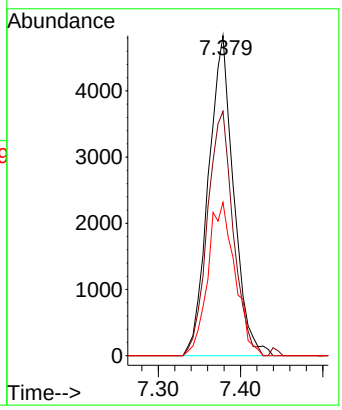




#39
Methylcyclohexane
Concen: 4.414 ug/l
RT: 7.379 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 83 Resp: 1029

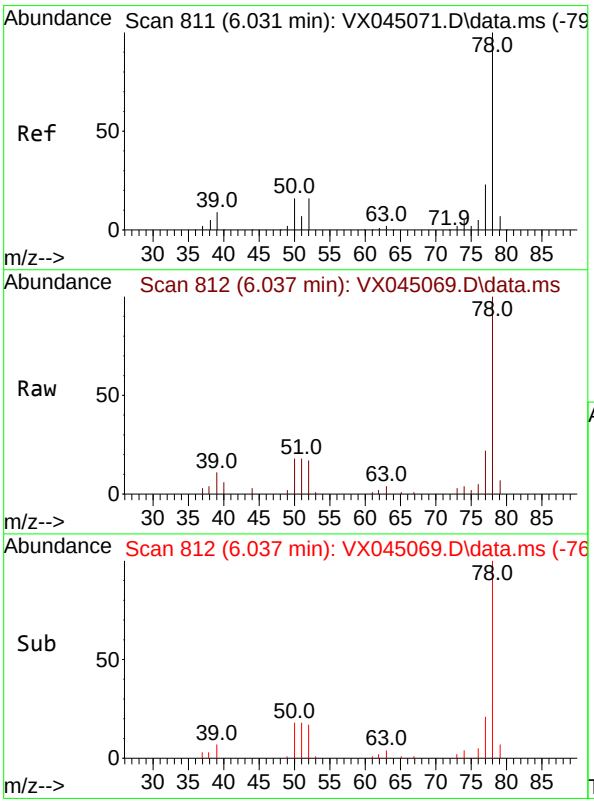
Ion	Ratio	Lower	Upper
83	100		
55	76.4	63.0	94.4
98	47.9	39.7	59.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

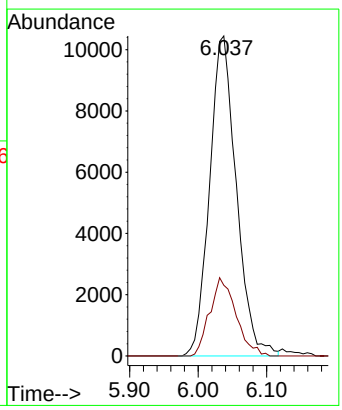
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

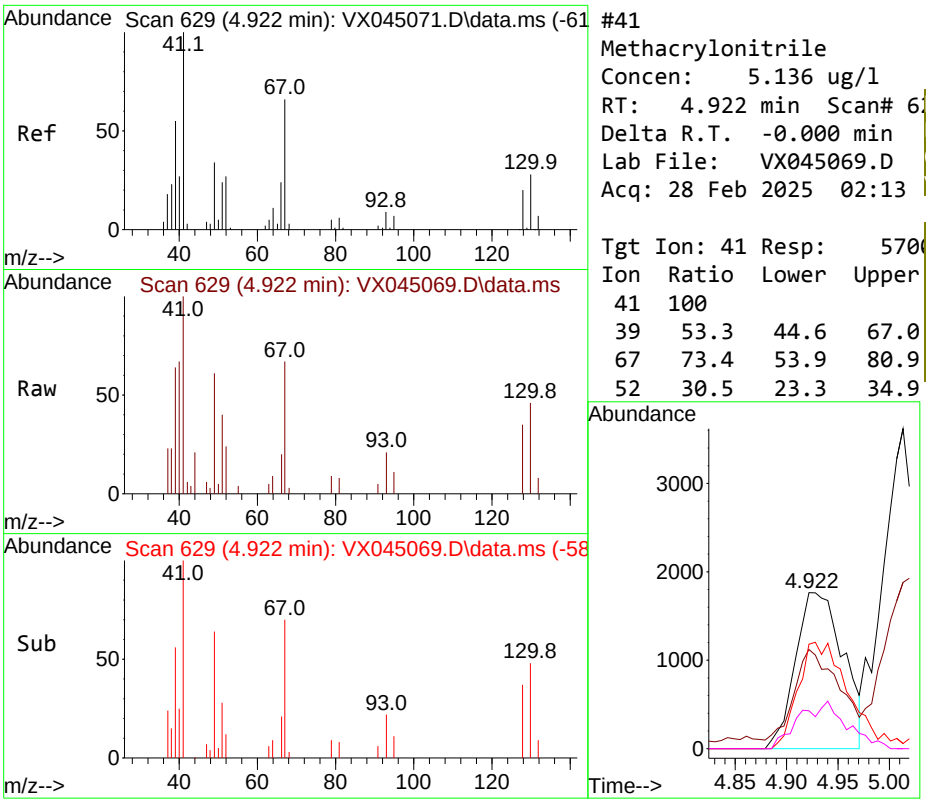


#40
Benzene
Concen: 4.966 ug/l
RT: 6.037 min Scan# 812
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

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

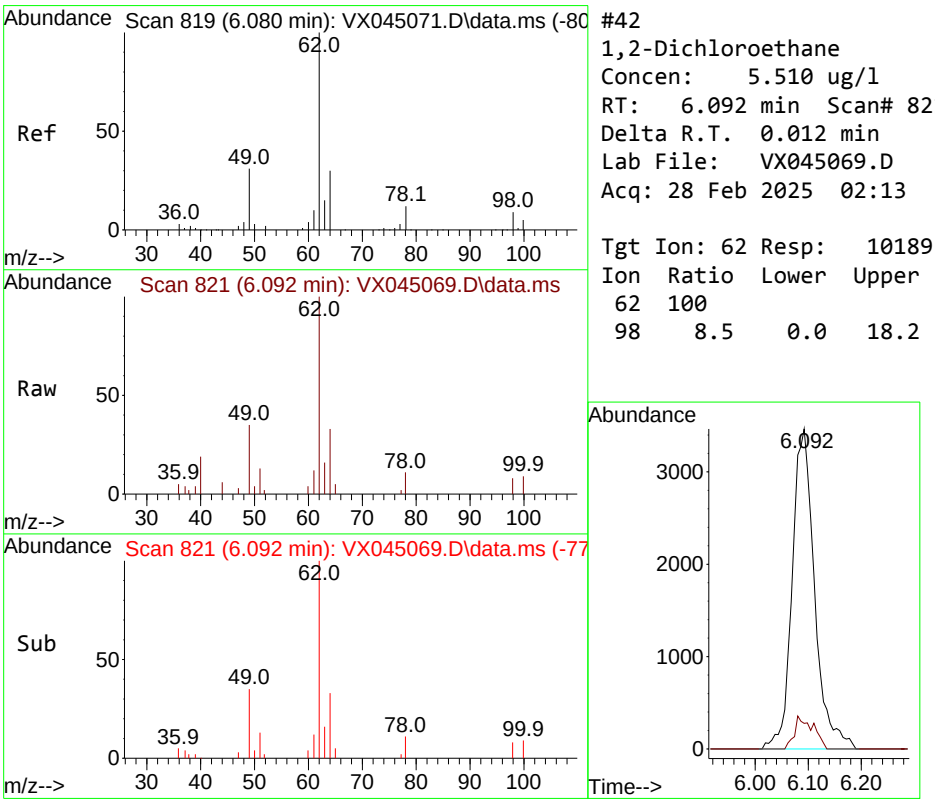
Tgt Ion: 41 Resp: 570

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

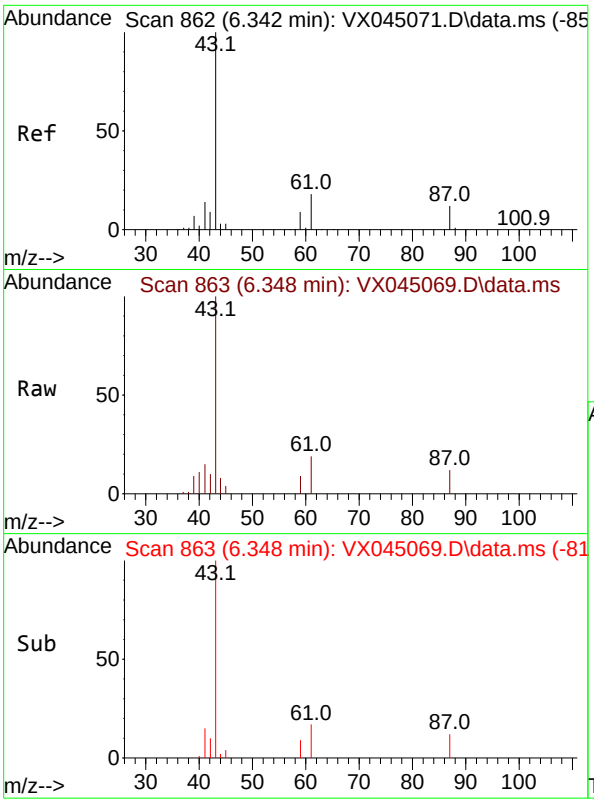
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#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

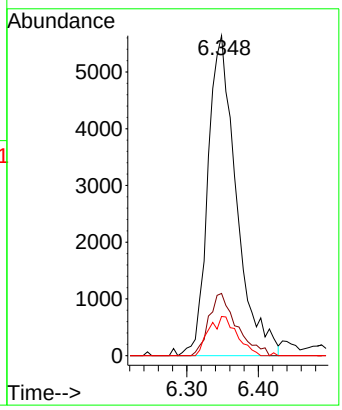
Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	18.2



#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

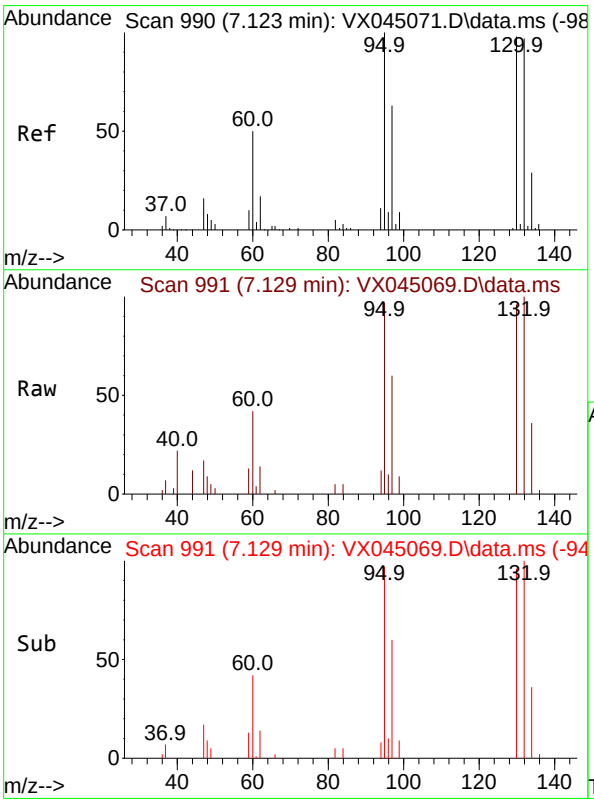
Ion	Ratio	Lower	Upper
43	100		
61	19.0	14.9	22.3
87	12.1	9.4	14.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

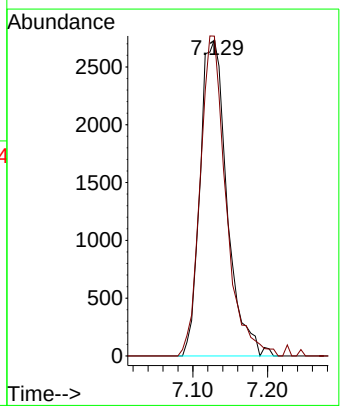
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

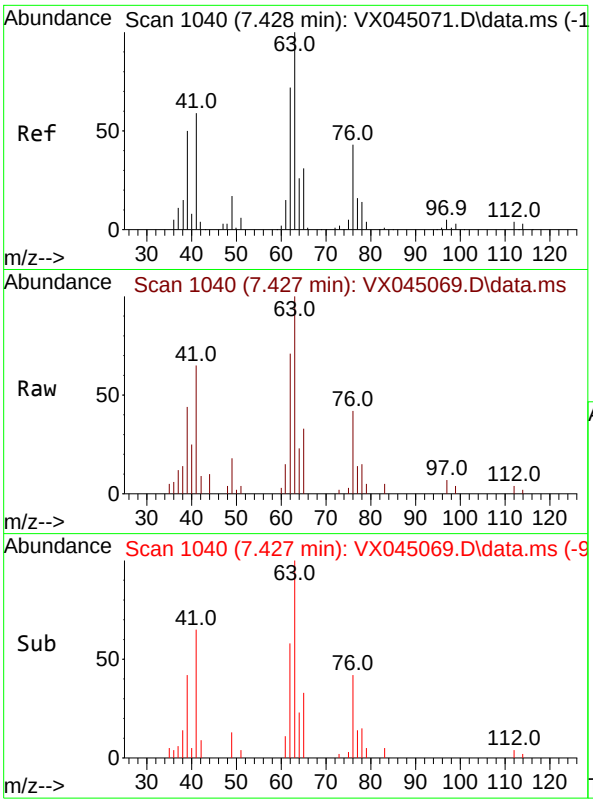


#44
Trichloroethene
Concen: 5.234 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:130 Resp: 6827

Ion	Ratio	Lower	Upper
130	100		
95	101.2	0.0	205.0

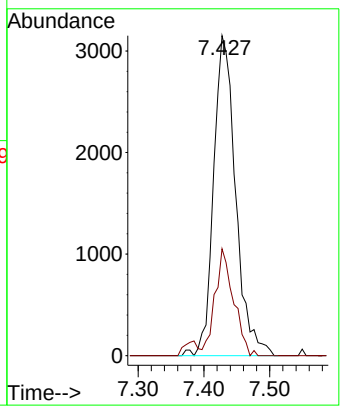




#45
1,2-Dichloropropane
Concen: 5.177 ug/l
RT: 7.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 63 Resp: 734

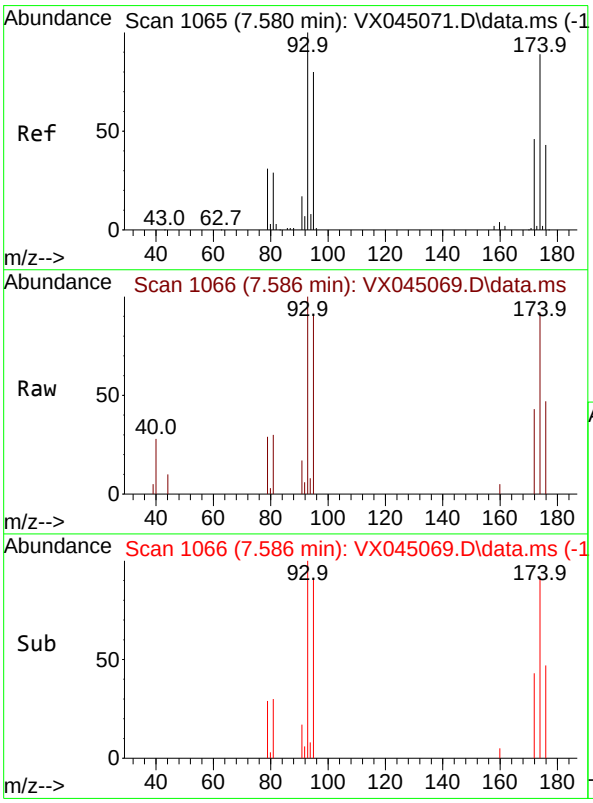
Ion	Ratio	Lower	Upper
63	100		
65	33.4	24.7	37.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

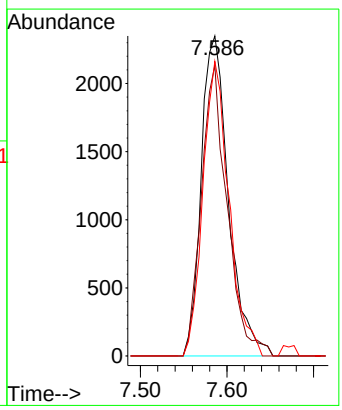
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

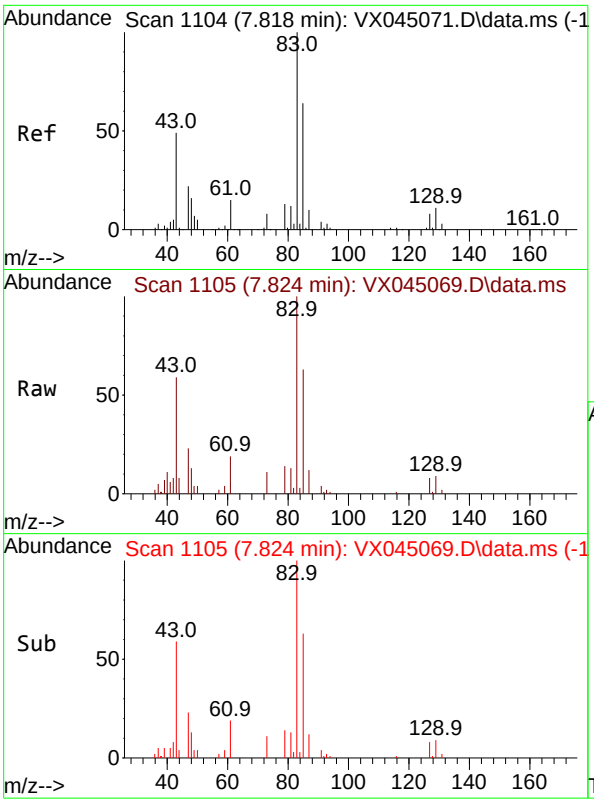


#46
Dibromomethane
Concen: 5.195 ug/l
RT: 7.586 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

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

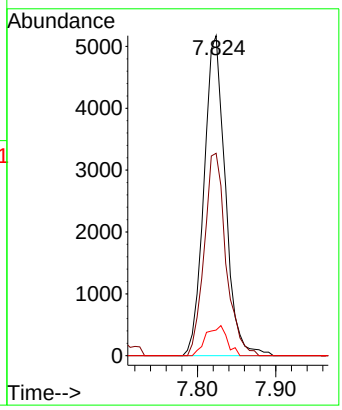




#47
Bromodichloromethane
Concen: 5.100 ug/l
RT: 7.824 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 83 Resp: 977

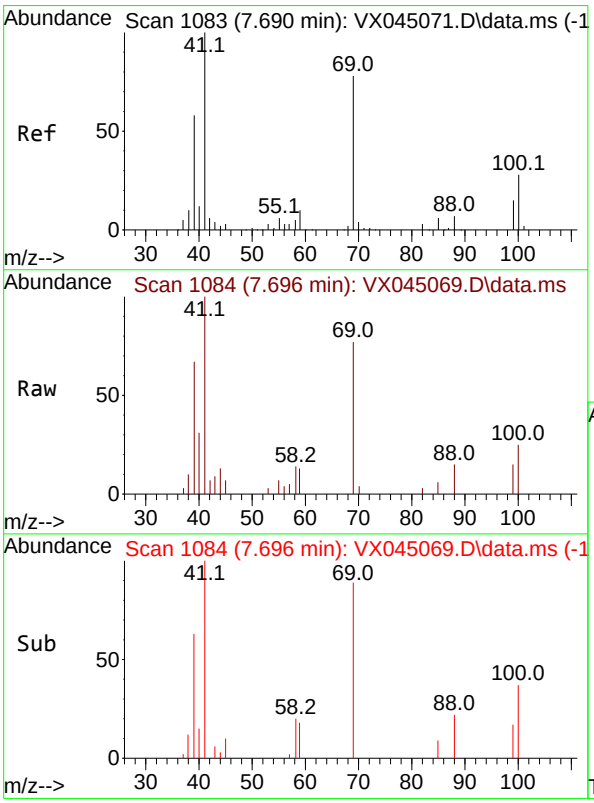
Ion	Ratio	Lower	Upper
83	100		
85	63.3	51.1	76.7
127	8.0	6.4	9.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

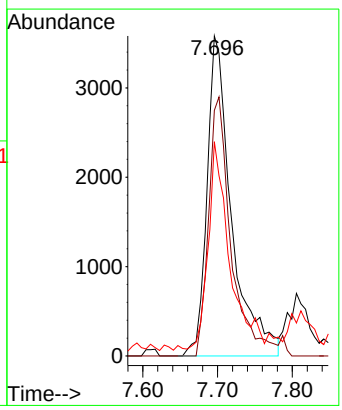
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

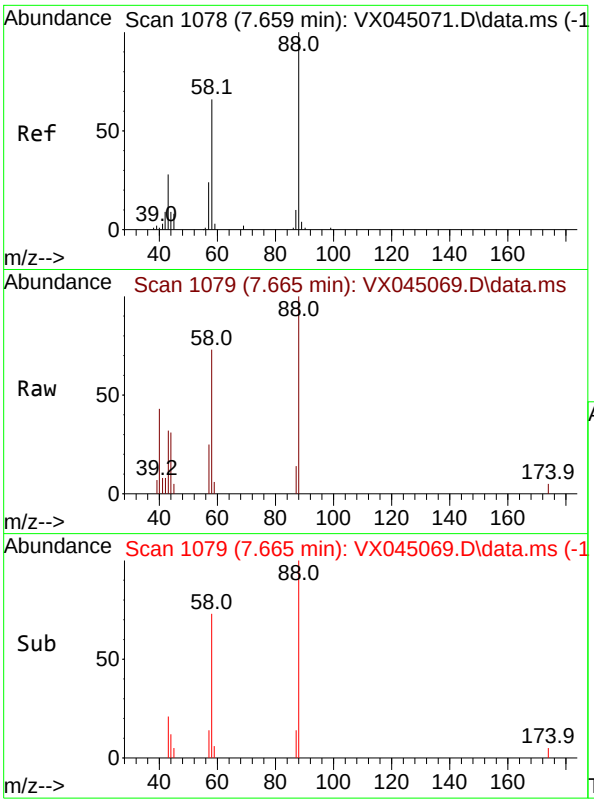


#48
Methyl methacrylate
Concen: 5.224 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

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

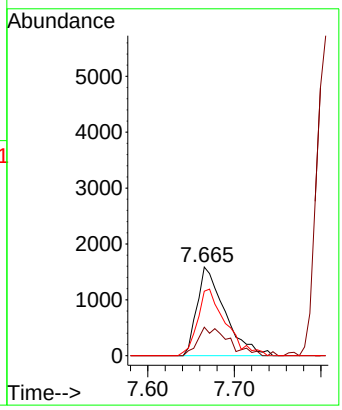
Tgt Ion: 88 Resp: 353

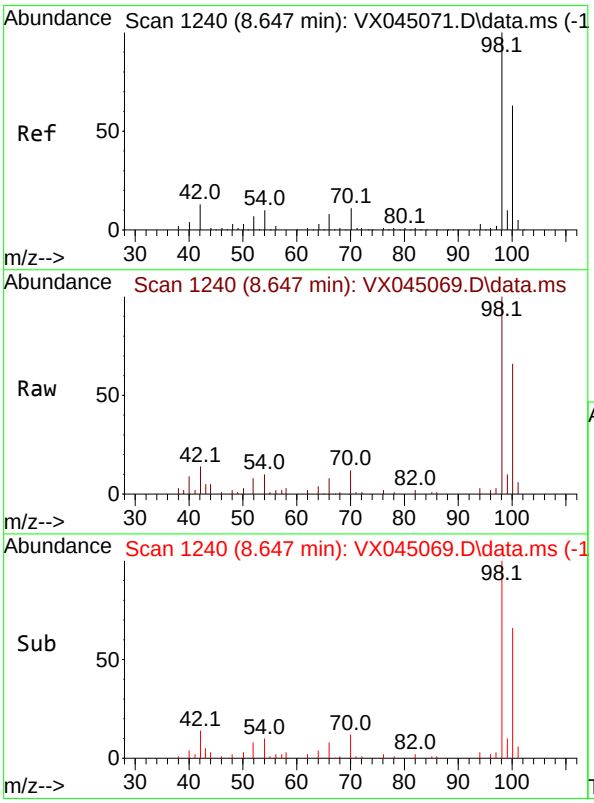
Ion	Ratio	Lower	Upper
88	100		
43	35.2	28.7	43.1
58	75.9	55.8	83.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

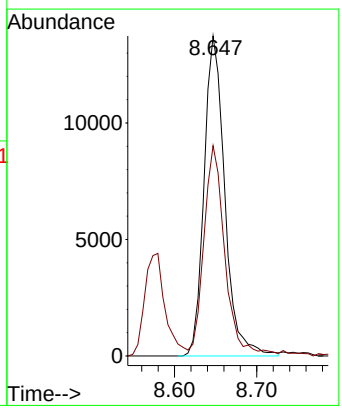


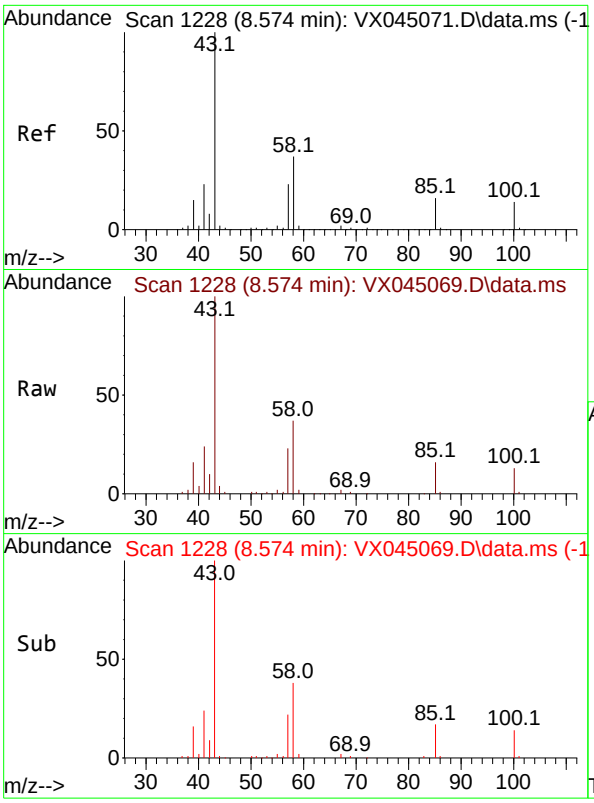


#50
Toluene-d8
Concen: 5.057 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 98 Resp: 24037

Ion	Ratio	Lower	Upper
98	100		
100	64.6	52.0	78.0

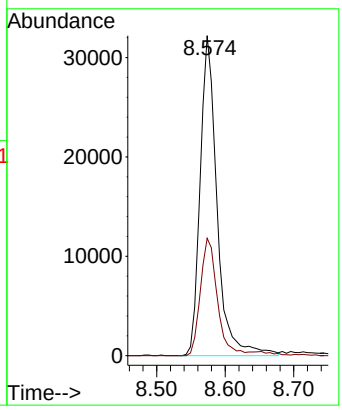




#51
4-Methyl-2-Pentanone
Concen: 27.303 ug/l
RT: 8.574 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 43 Resp: 5532

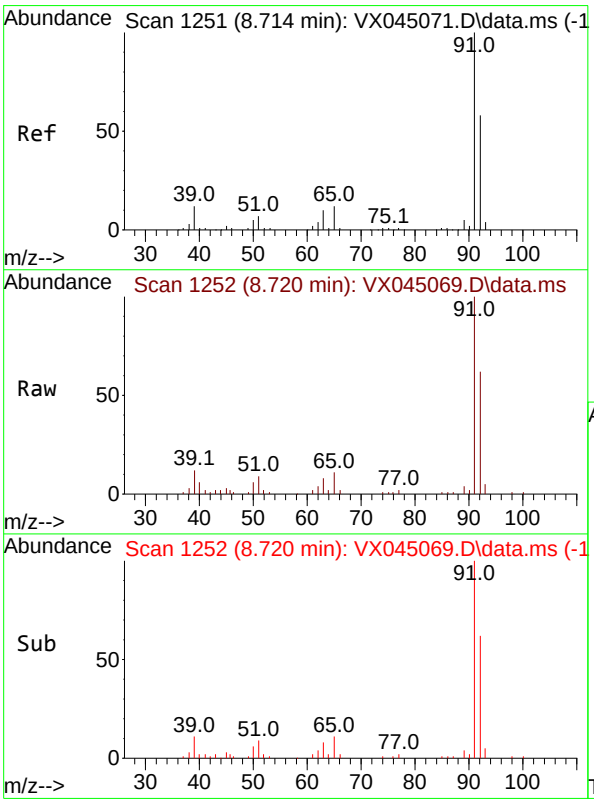
Ion	Ratio	Lower	Upper
43	100		
58	36.8	29.2	43.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

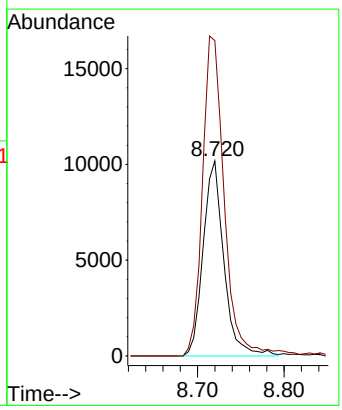
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

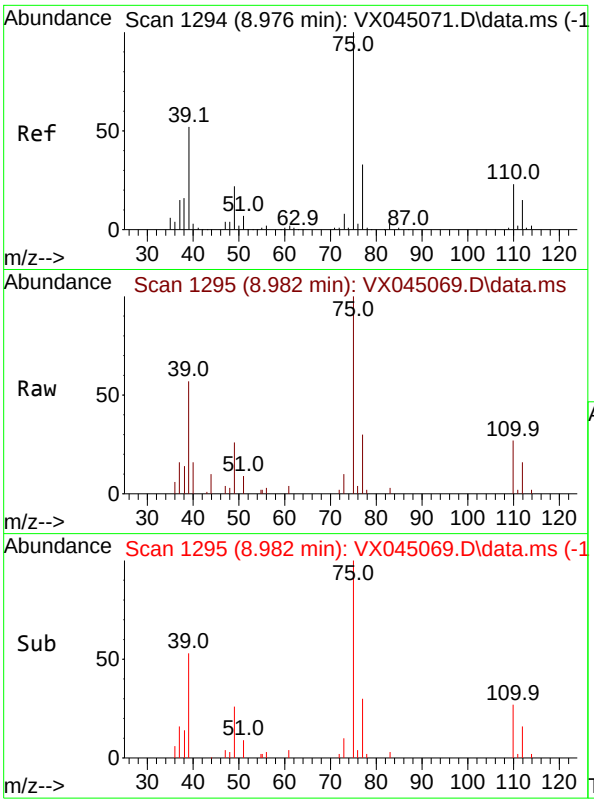


#52
Toluene
Concen: 4.997 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 92 Resp: 16933

Ion	Ratio	Lower	Upper
92	100		
91	172.6	138.9	208.3

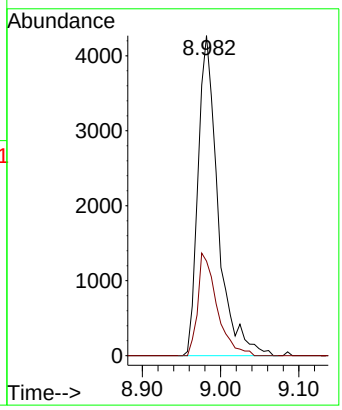




#53
t-1,3-Dichloropropene
Concen: 3.985 ug/l
RT: 8.982 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 75 Resp: 754

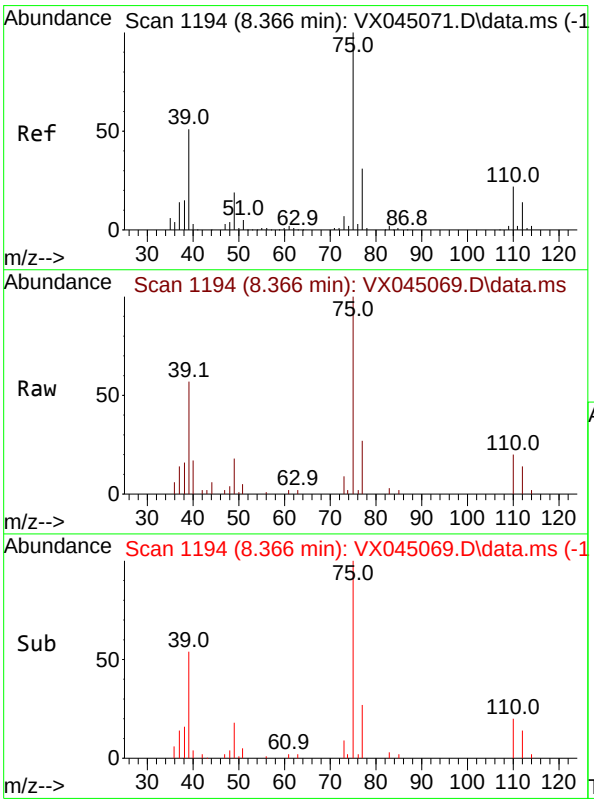
Ion	Ratio	Lower	Upper
75	100		
77	29.6	26.5	39.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

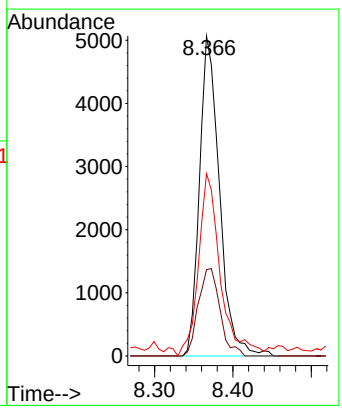
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

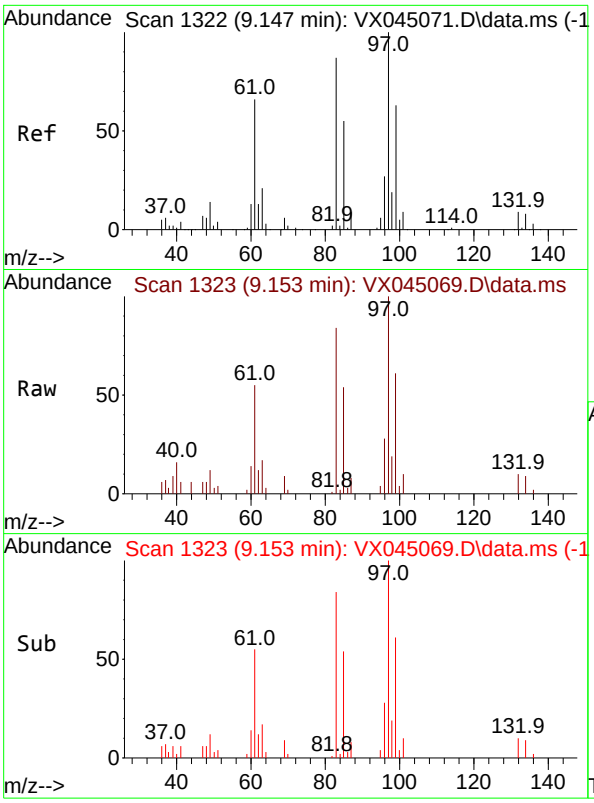


#54
cis-1,3-Dichloropropene
Concen: 4.244 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

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

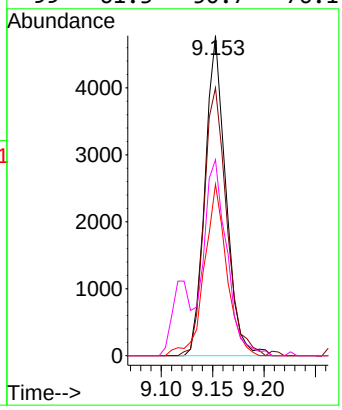




#55
1,1,2-Trichloroethane
Concen: 5.151 ug/l
RT: 9.153 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 97 Resp: 675

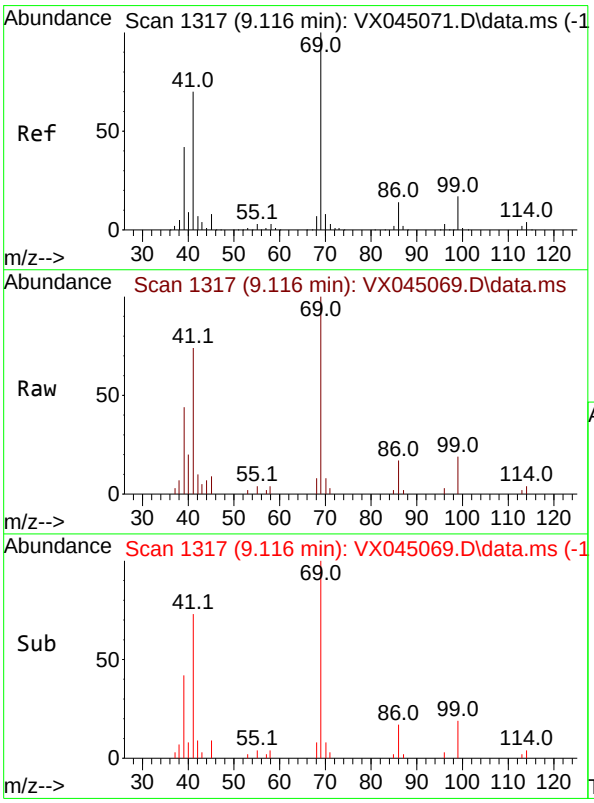
Ion	Ratio	Lower	Upper
97	100		
83	83.7	69.4	104.2
85	53.6	44.1	66.1
99	61.3	50.7	76.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

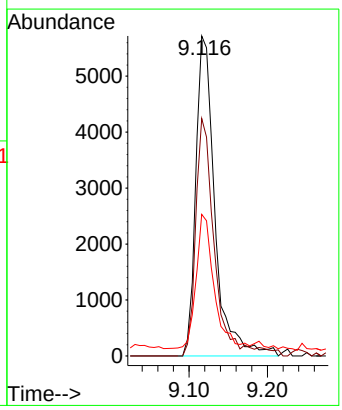
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

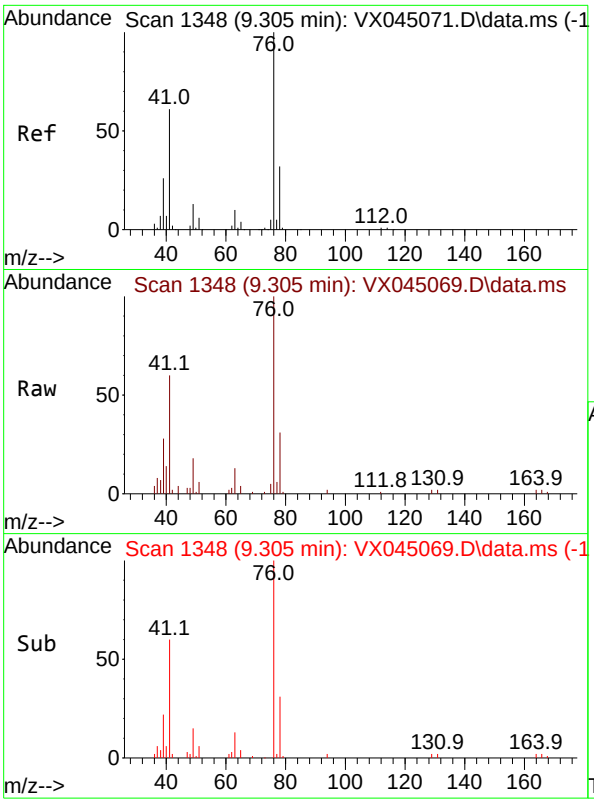


#56
Ethyl methacrylate
Concen: 4.628 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

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

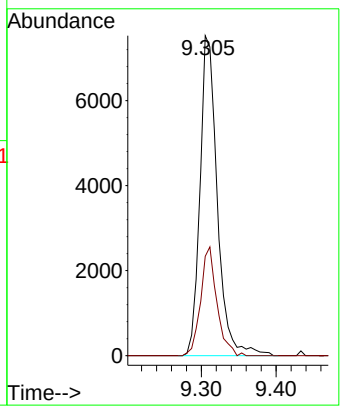




#57
1,3-Dichloropropane
Concen: 5.289 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 76 Resp: 1210

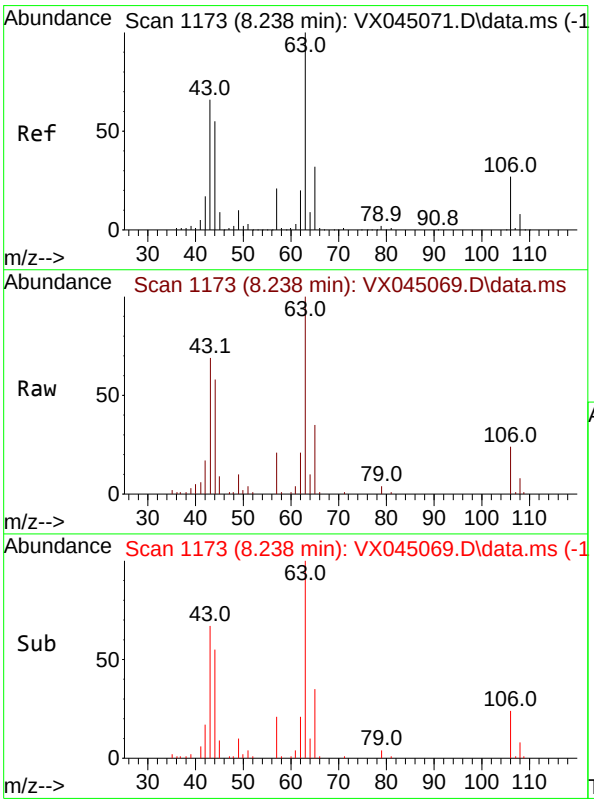
Ion	Ratio	Lower	Upper
76	100		
78	31.9	25.5	38.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

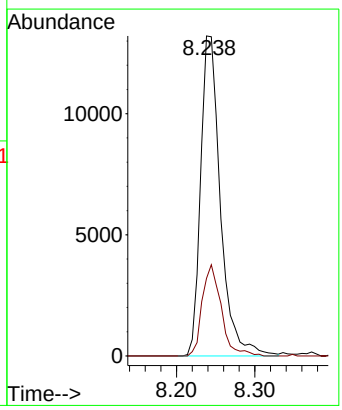
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

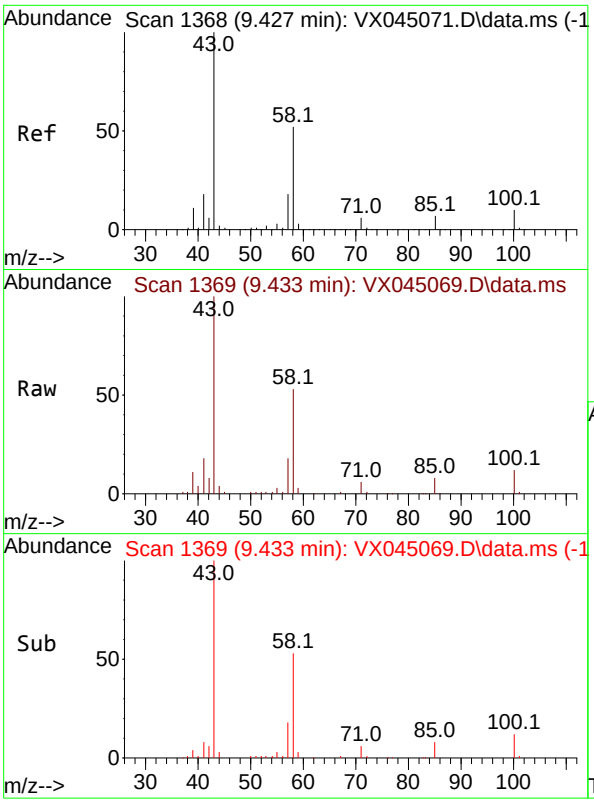


#58
2-Chloroethyl Vinyl ether
Concen: 22.527 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

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

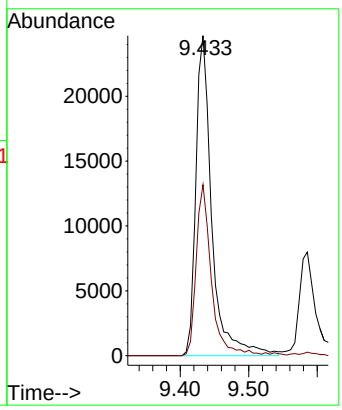
Tgt Ion: 43 Resp: 3999

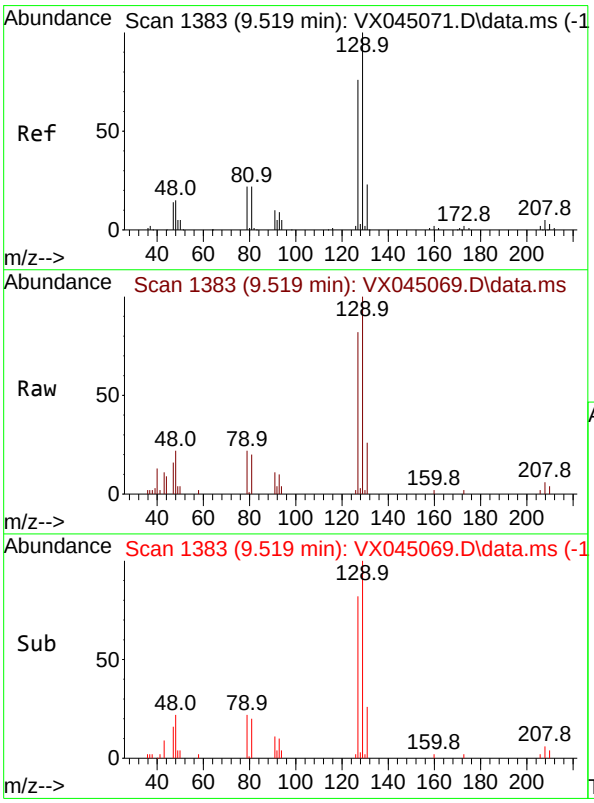
Ion	Ratio	Lower	Upper
43	100		
58	50.7	25.9	77.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

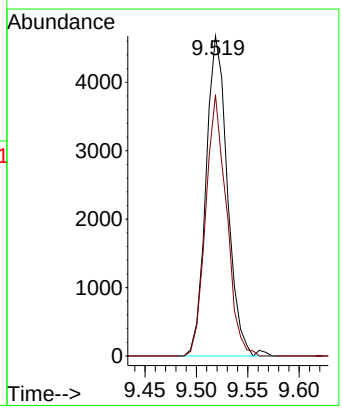


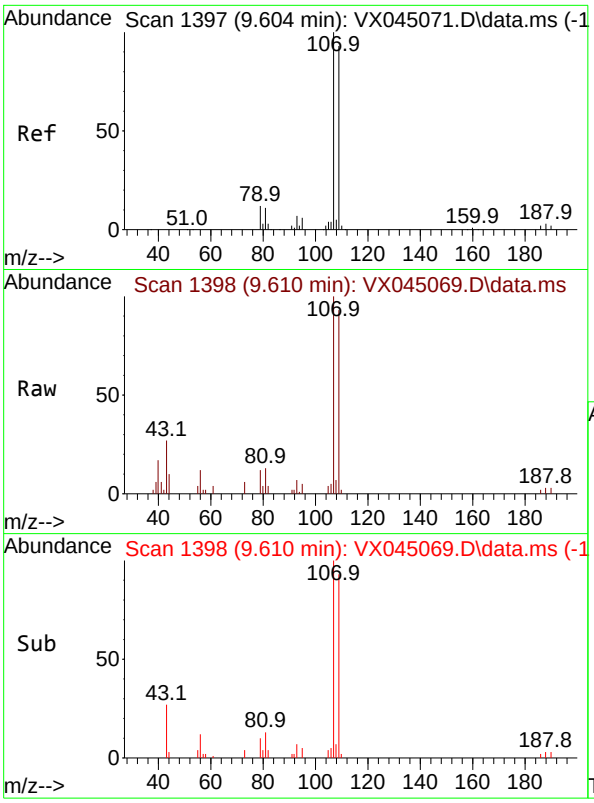


#60
Dibromochloromethane
Concen: 4.846 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:129 Resp: 6785

Ion	Ratio	Lower	Upper
129	100		
127	79.0	38.5	115.5

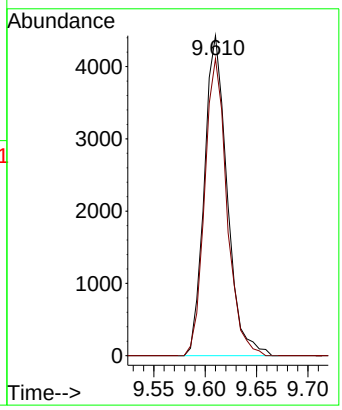




#61
1,2-Dibromoethane
Concen: 5.161 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:107 Resp: 683

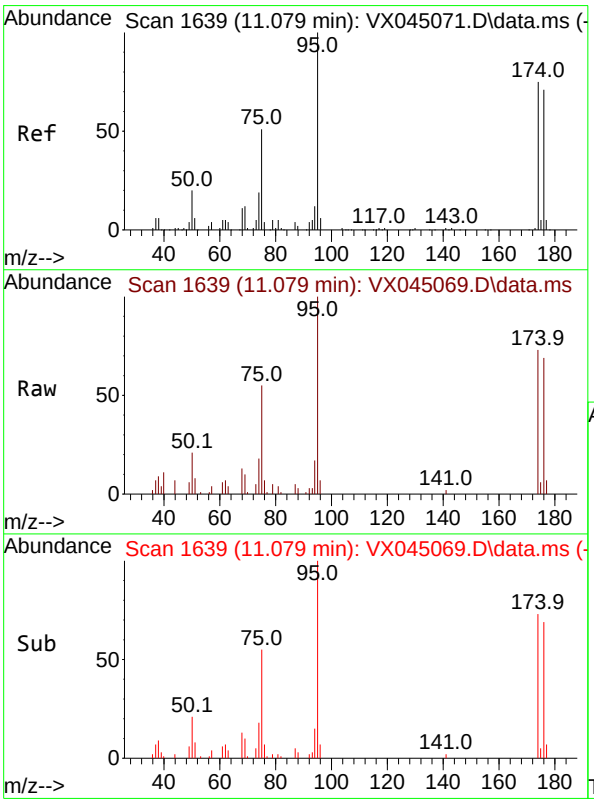
Ion	Ratio	Lower	Upper
107	100		
109	90.7	76.1	114.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

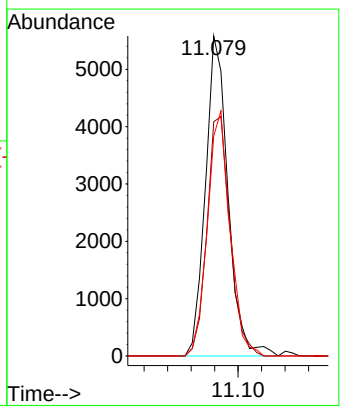
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

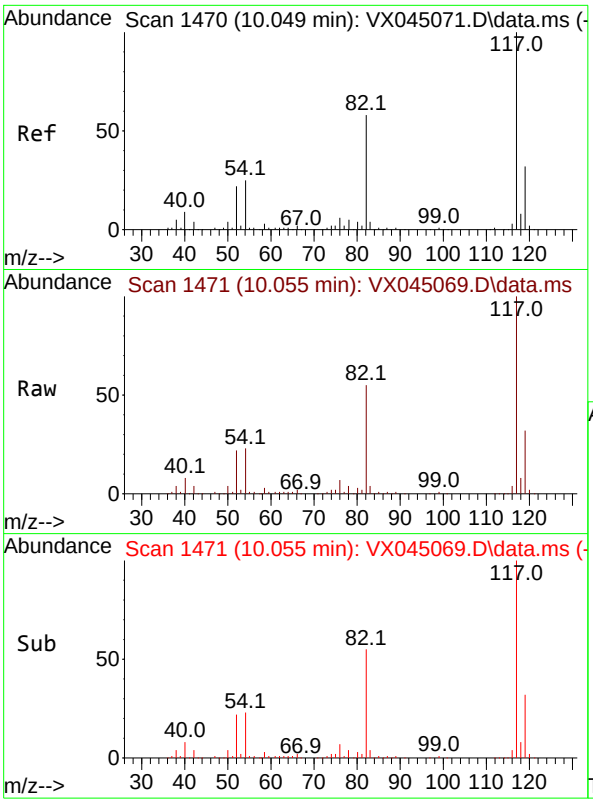


#62
4-Bromofluorobenzene
Concen: 4.685 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

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

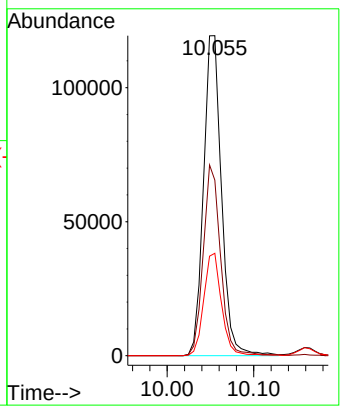




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:117 Resp: 17236

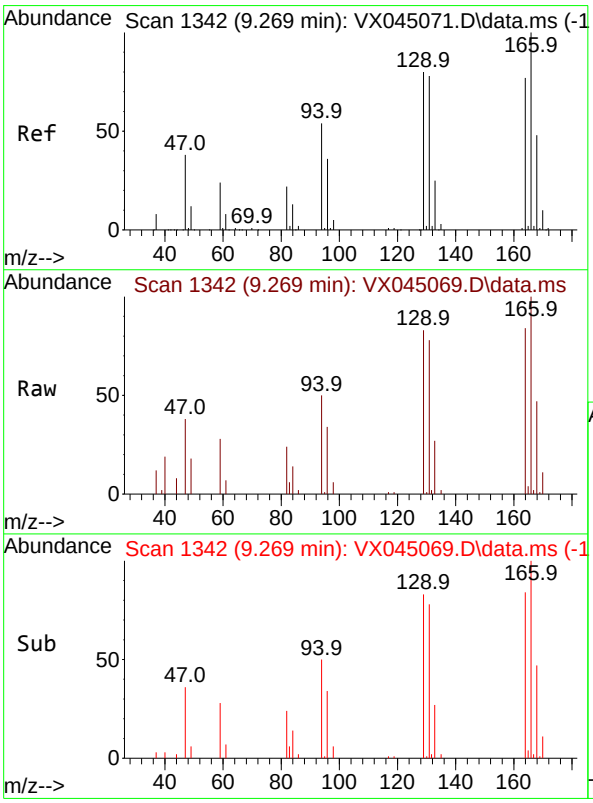
Ion	Ratio	Lower	Upper
117	100		
82	54.8	46.3	69.5
119	32.0	25.7	38.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

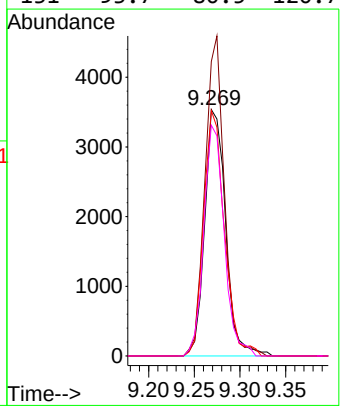
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

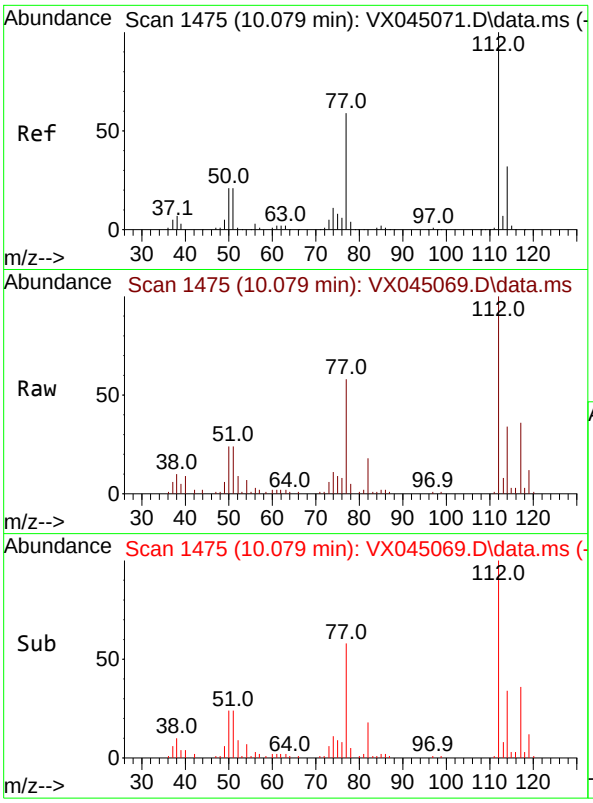


#64
Tetrachloroethene
Concen: 5.128 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

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

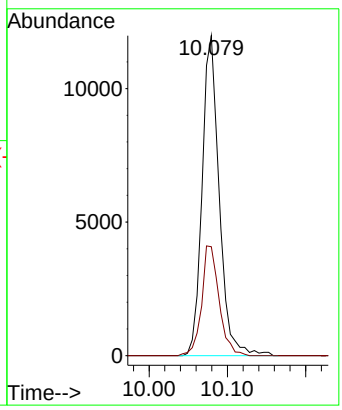




#65
Chlorobenzene
Concen: 4.908 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:112 Resp: 1816

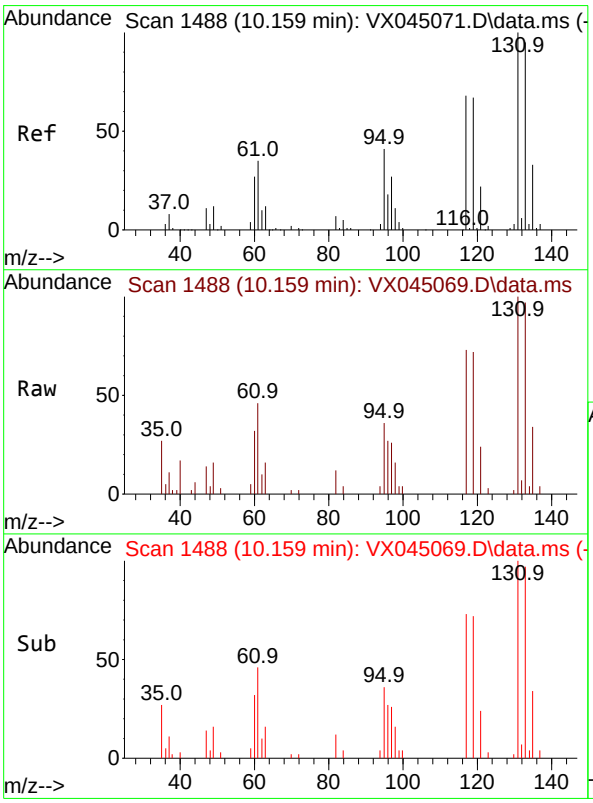
Ion	Ratio	Lower	Upper
112	100		
114	34.0	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

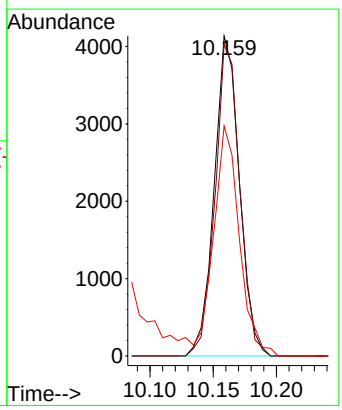
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

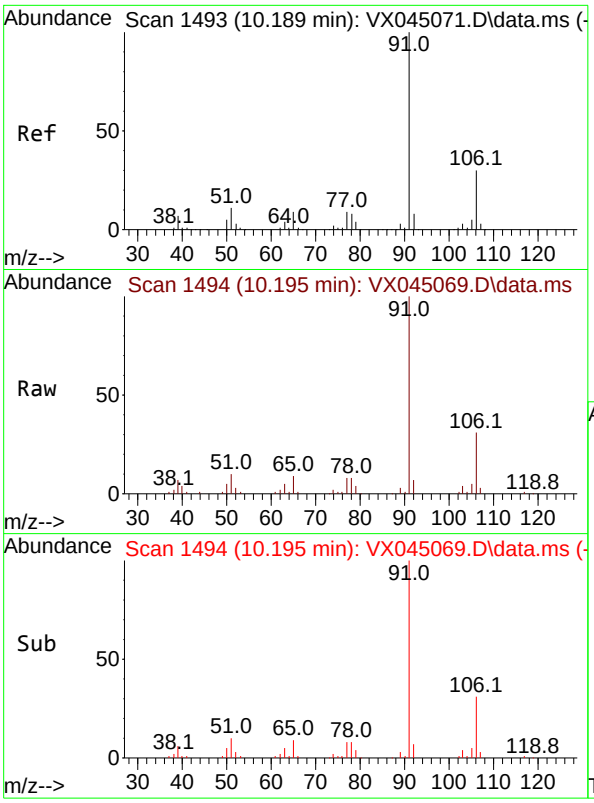


#66
1,1,1,2-Tetrachloroethane
Concen: 4.781 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

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

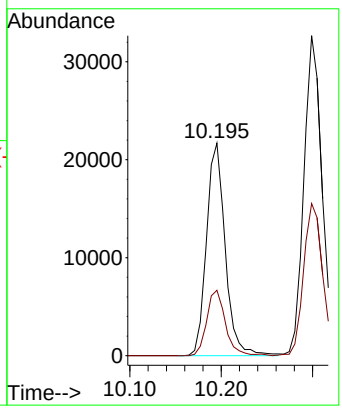




#67
Ethyl Benzene
Concen: 4.725 ug/l
RT: 10.195 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 91 Resp: 3091

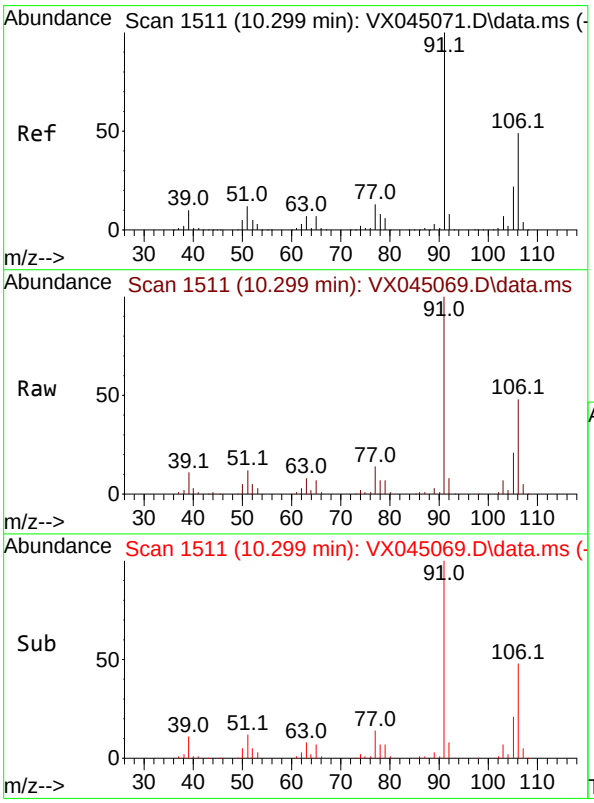
Ion	Ratio	Lower	Upper
91	100		
106	30.8	23.9	35.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

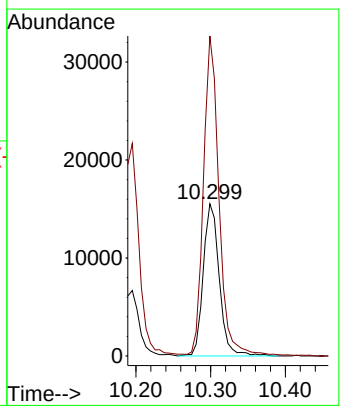
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

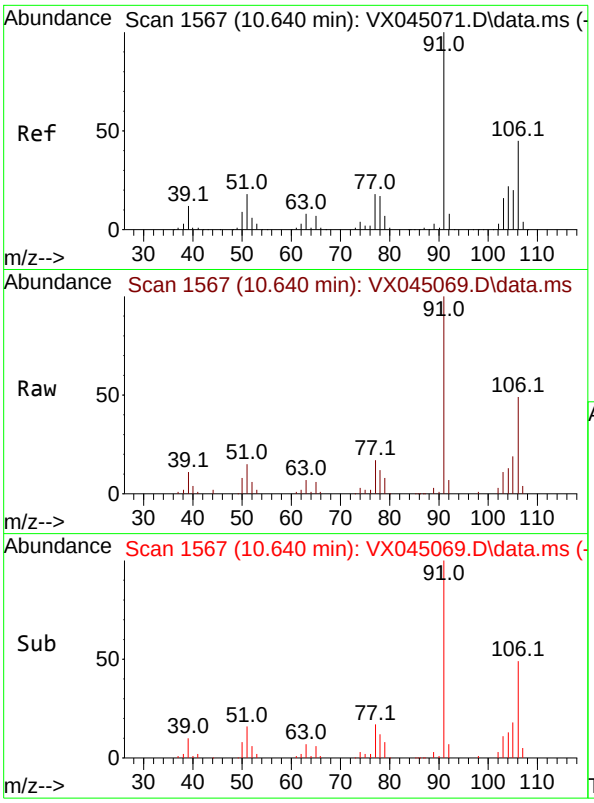


#68
m/p-Xylenes
Concen: 9.608 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:106 Resp: 23152

Ion	Ratio	Lower	Upper
106	100		
91	202.7	165.4	248.0

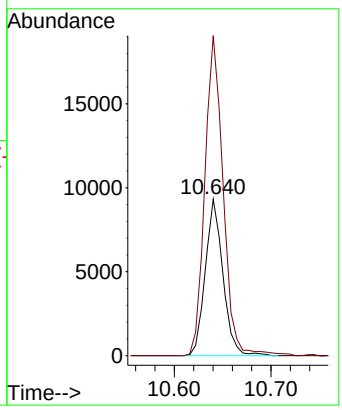




#69
o-Xylene
Concen: 4.914 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:106 Resp: 1188

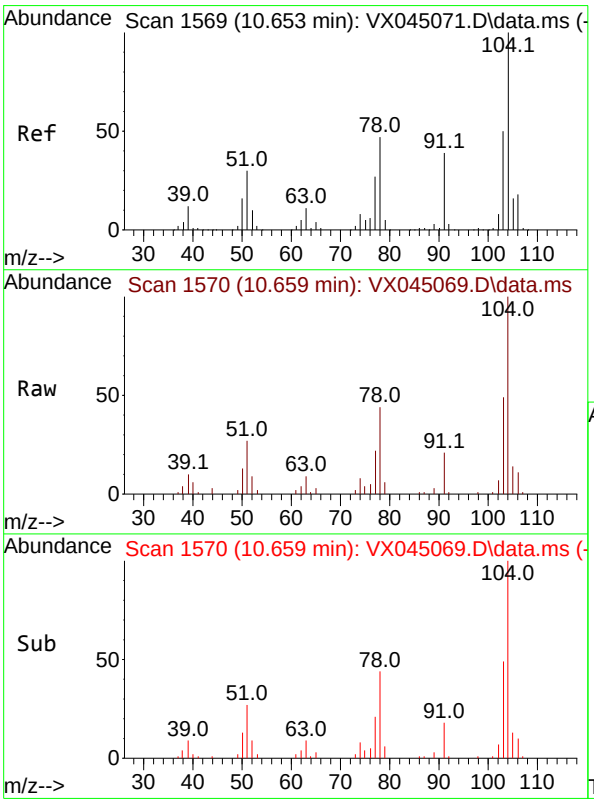
Ion	Ratio	Lower	Upper
106	100		
91	211.7	109.9	329.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

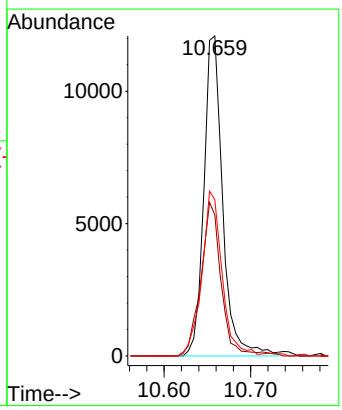
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

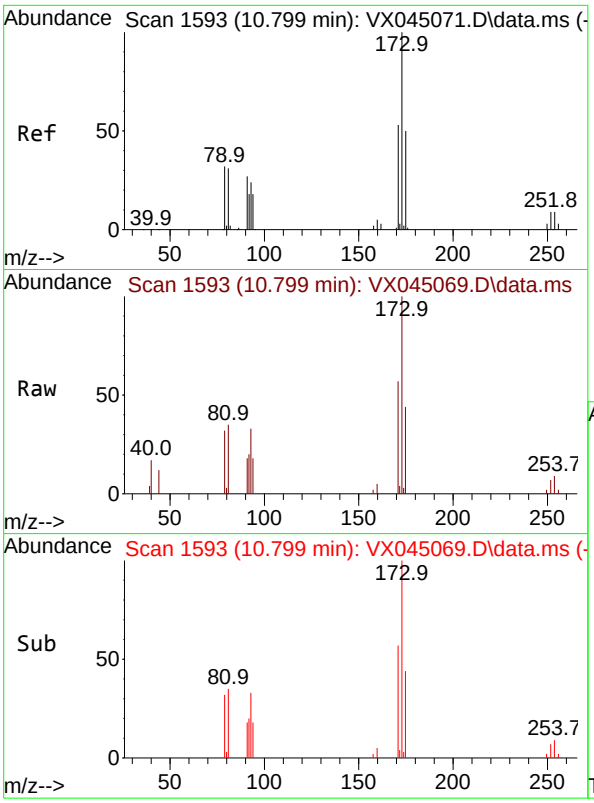


#70
Styrene
Concen: 4.704 ug/l
RT: 10.659 min Scan# 1570
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

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

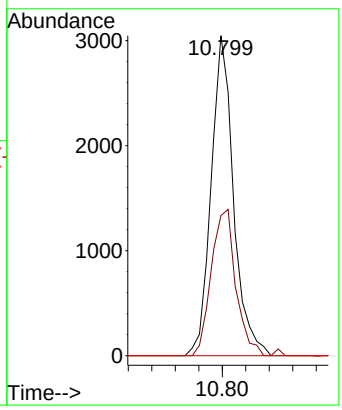




#71
Bromoform
Concen: 4.541 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:173 Resp: 402

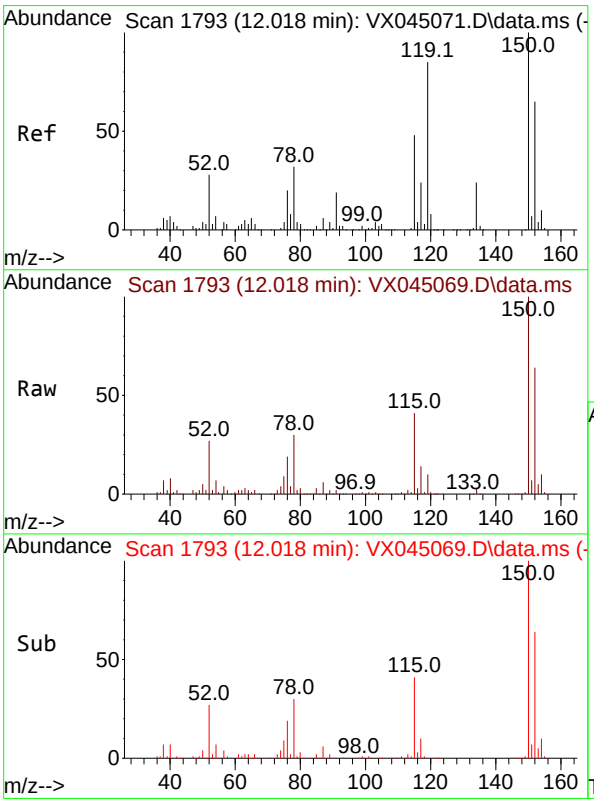
Ion	Ratio	Lower	Upper
173	100		
175	50.1	24.6	73.6
254	0.0	0.0	0.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

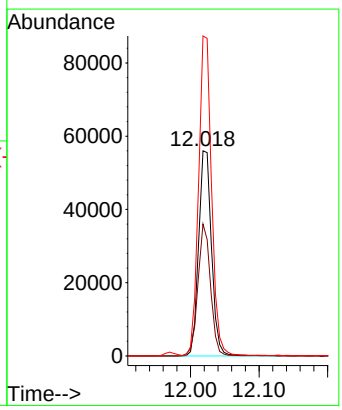
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

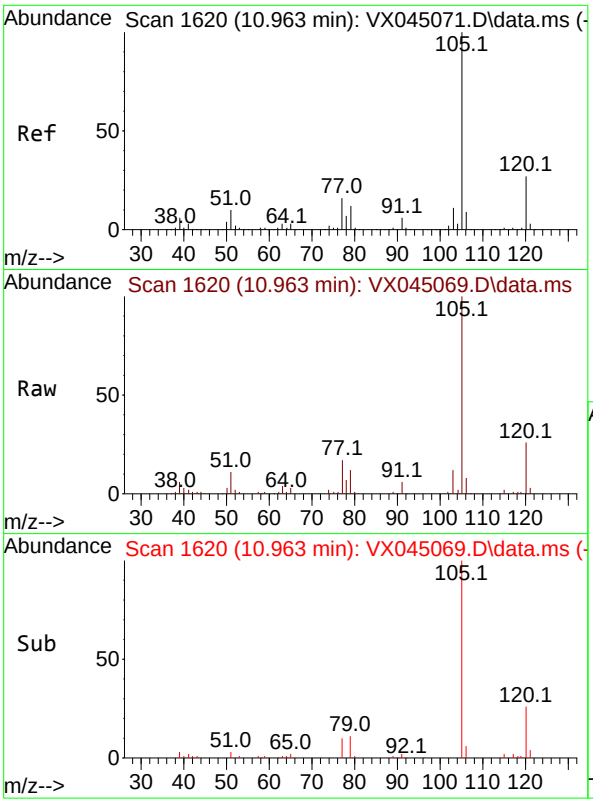


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

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

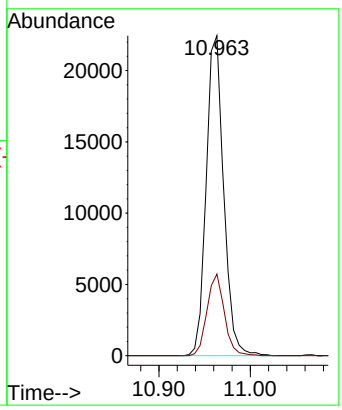




#73
Isopropylbenzene
Concen: 4.991 ug/l
RT: 10.963 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:105 Resp: 2968

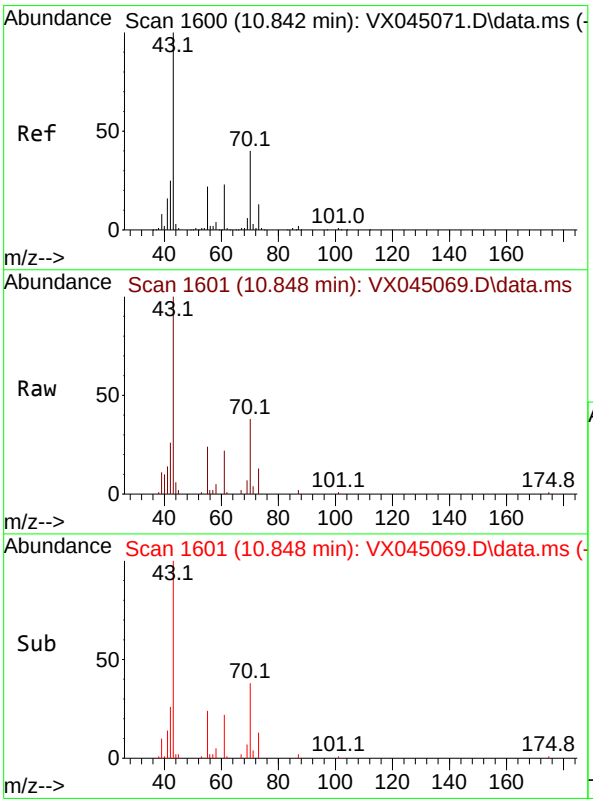
Ion	Ratio	Lower	Upper
105	100		
120	25.3	13.2	39.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

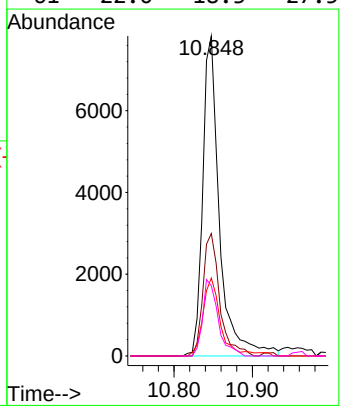
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

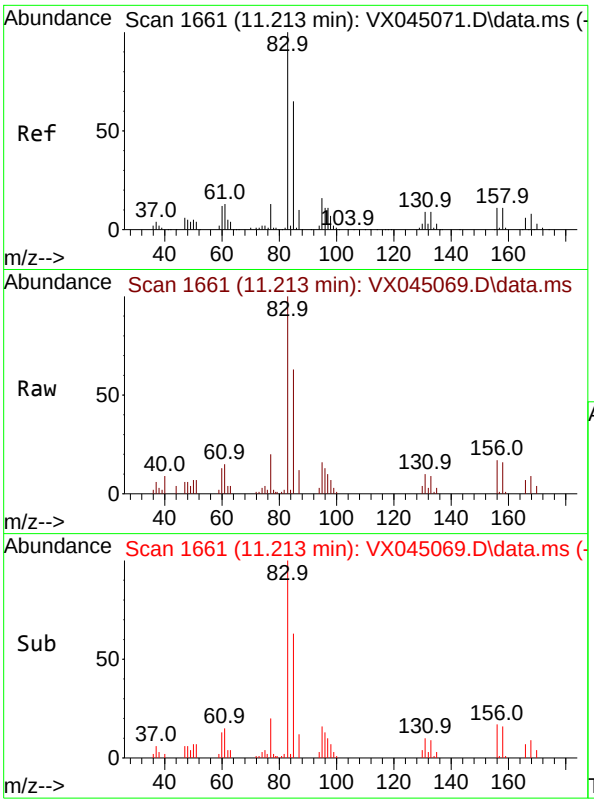


#74
N-amyl acetate
Concen: 4.300 ug/l
RT: 10.848 min Scan# 1601
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

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

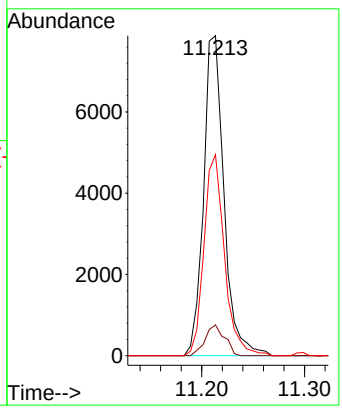




#75
1,1,2,2-Tetrachloroethane
Concen: 5.310 ug/l
RT: 11.213 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 83 Resp: 1088

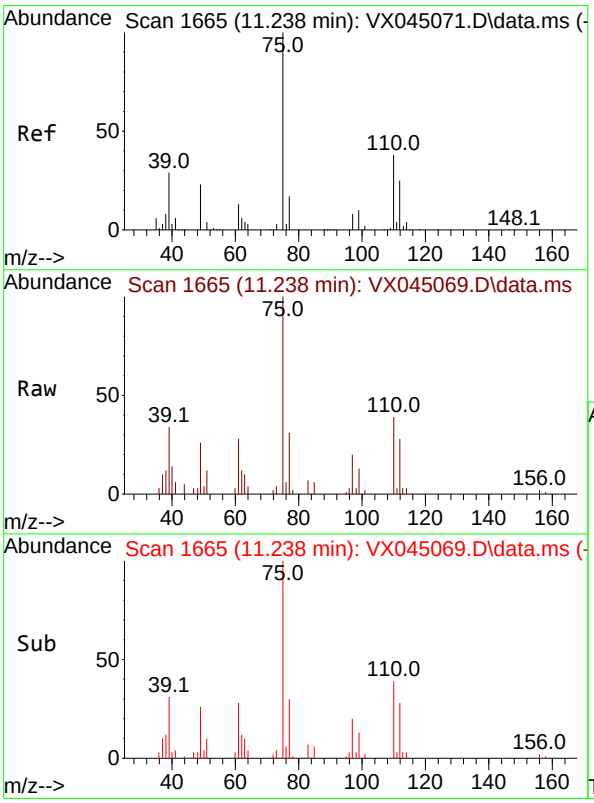
Ion	Ratio	Lower	Upper
83	100		
131	9.2	4.5	13.4
85	63.1	31.7	95.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

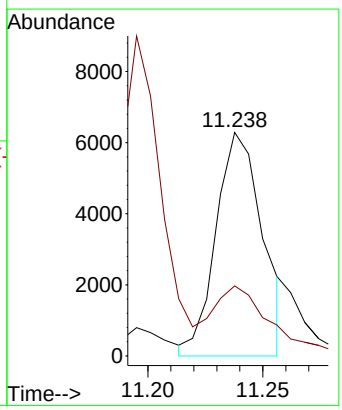
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

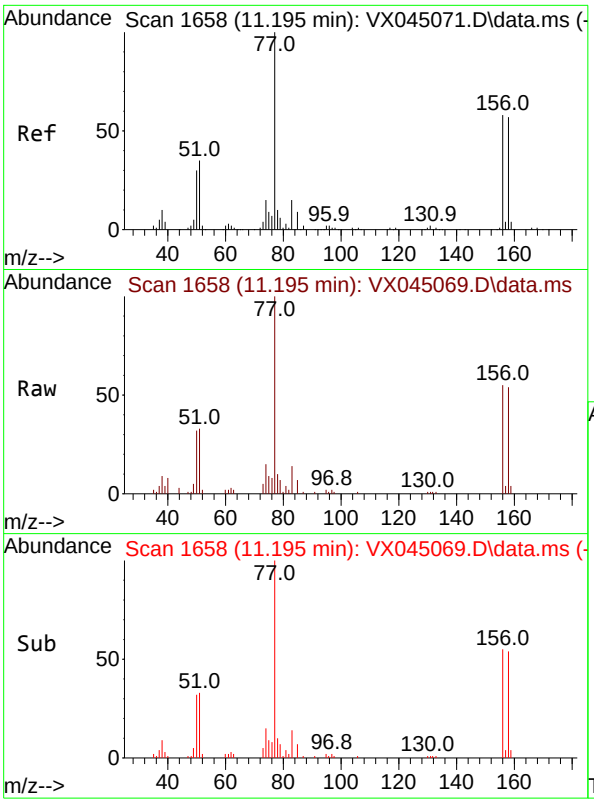


#76
1,2,3-Trichloropropane
Concen: 5.384 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 75 Resp: 8839

Ion	Ratio	Lower	Upper
75	100		
77	39.8	20.7	62.1

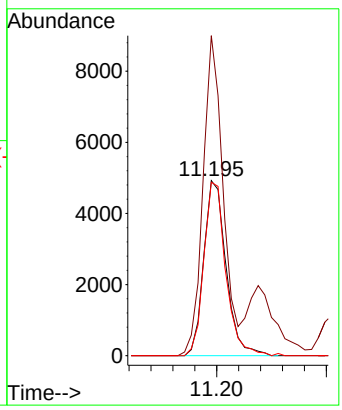




#77
Bromobenzene
Concen: 5.163 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:156 Resp: 697

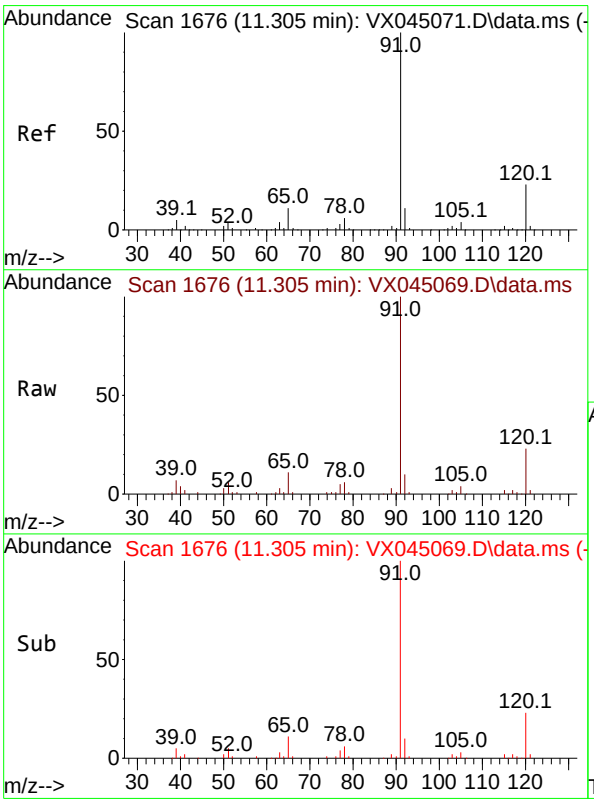
Ion	Ratio	Lower	Upper
156	100		
77	163.3	85.8	257.4
158	97.8	48.4	145.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

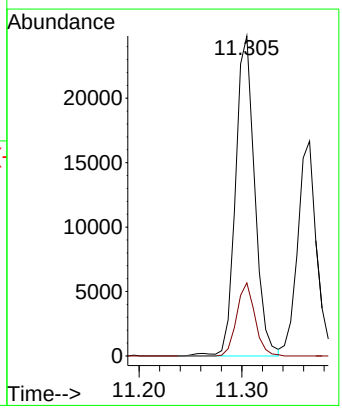
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

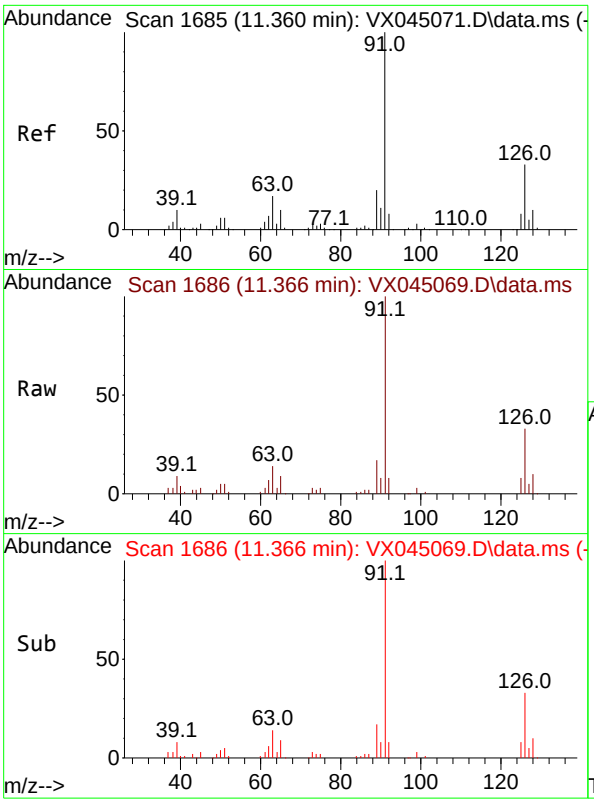


#78
n-propylbenzene
Concen: 4.694 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 91 Resp: 32196

Ion	Ratio	Lower	Upper
91	100		
120	21.7	11.2	33.6

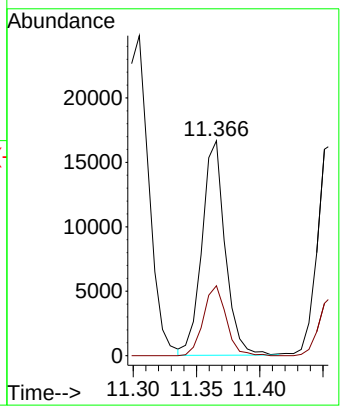




#79
2-Chlorotoluene
Concen: 5.048 ug/l
RT: 11.366 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 91 Resp: 2125

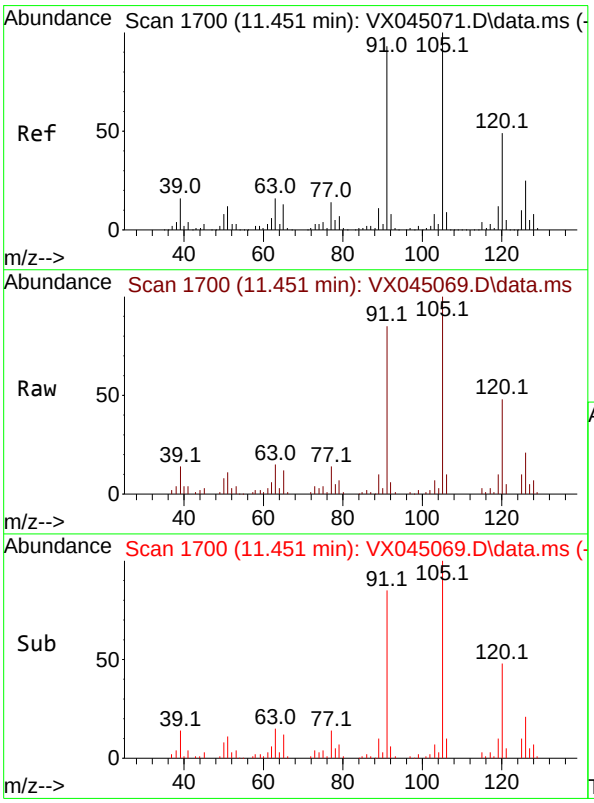
Ion	Ratio	Lower	Upper
91	100		
126	32.0	16.4	49.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

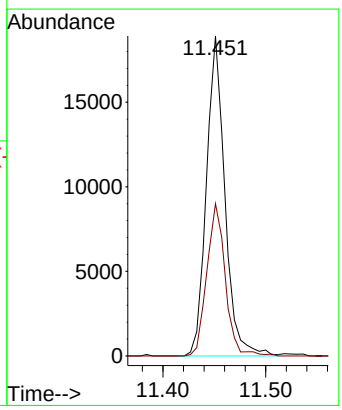
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

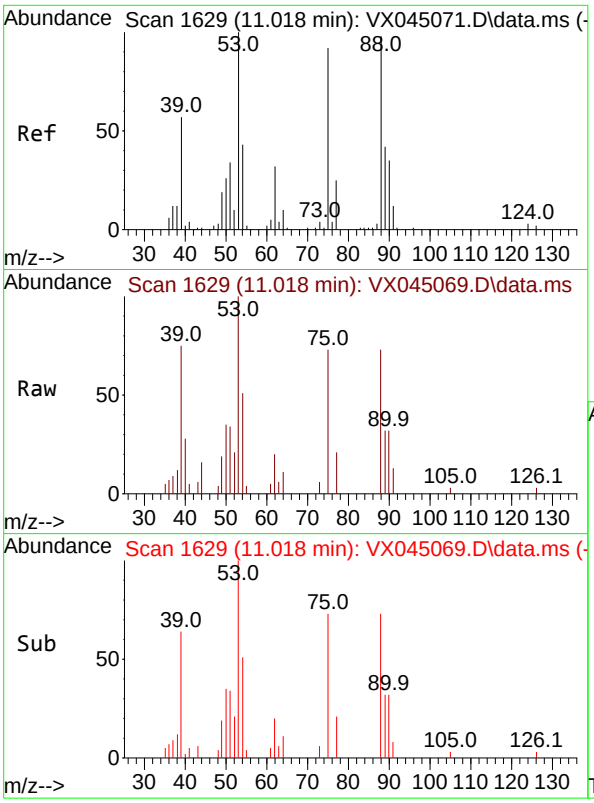


#80
1,3,5-Trimethylbenzene
Concen: 4.897 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

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

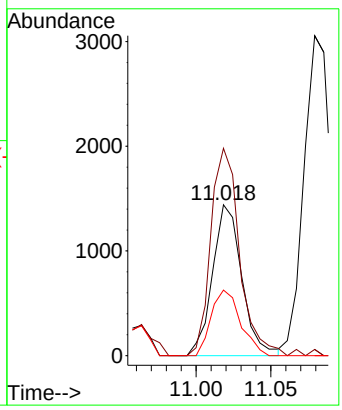
Tgt Ion: 75 Resp: 197

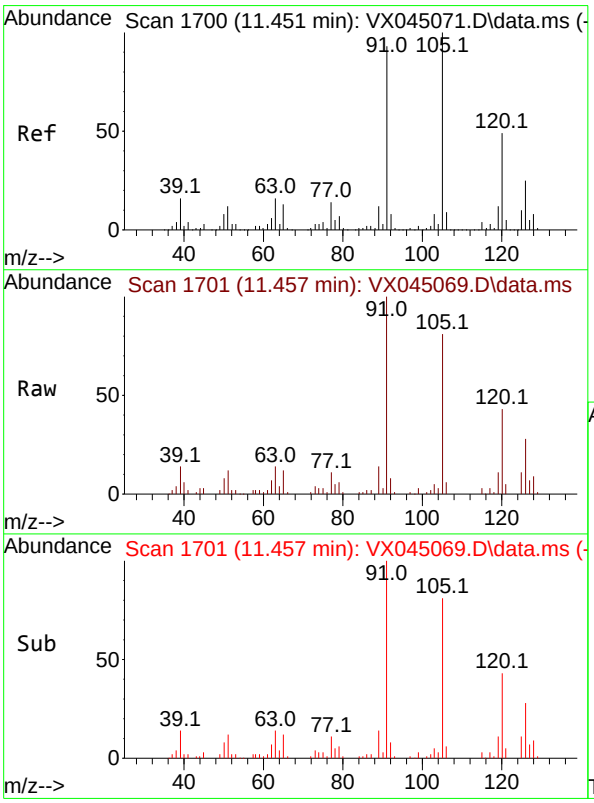
Ion	Ratio	Lower	Upper
75	100		
53	134.1	88.5	132.7#
89	43.4	36.2	54.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

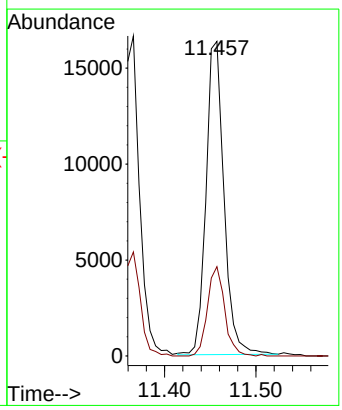


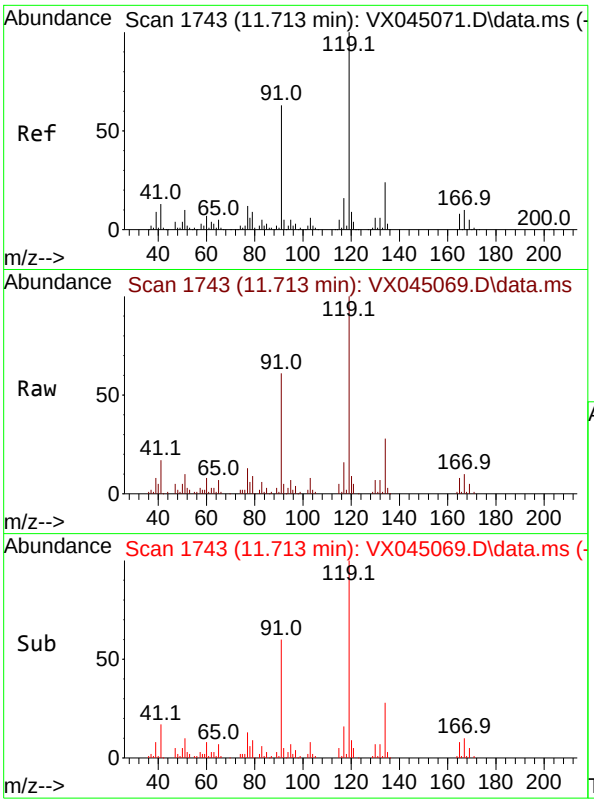


#82
4-Chlorotoluene
Concen: 4.761 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 91 Resp: 22190

Ion	Ratio	Lower	Upper
91	100		
126	27.3	14.1	42.4

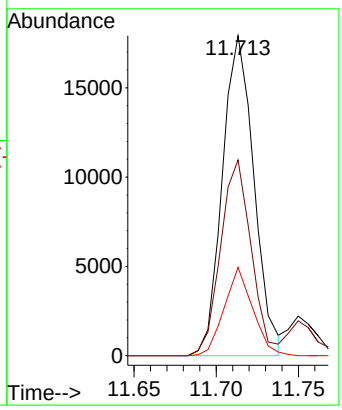




#83
tert-Butylbenzene
Concen: 4.910 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:119 Resp: 2396

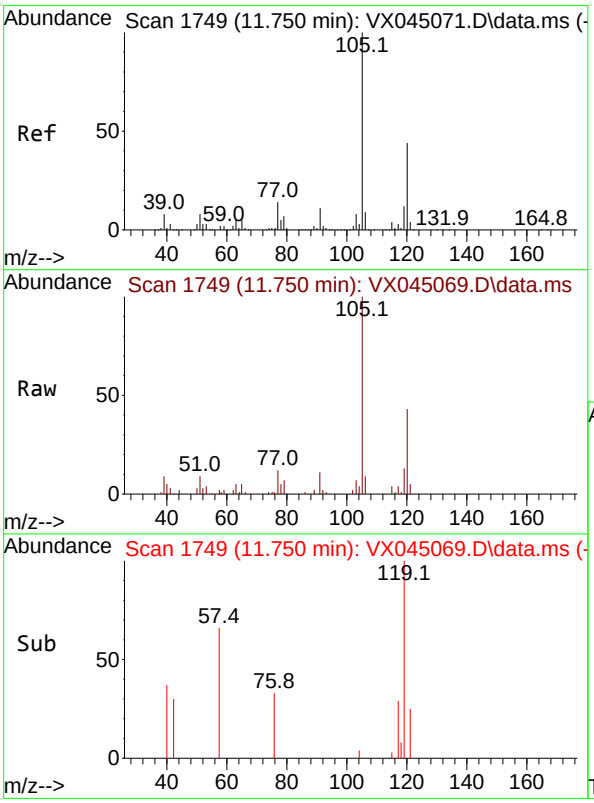
Ion	Ratio	Lower	Upper
119	100		
91	59.5	30.7	92.1
134	24.9	11.7	35.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

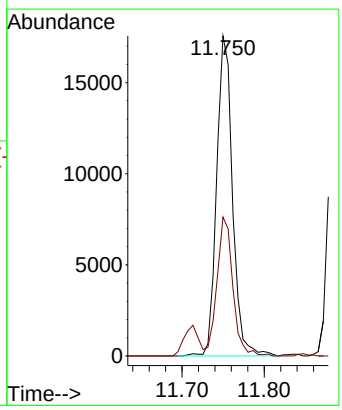
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

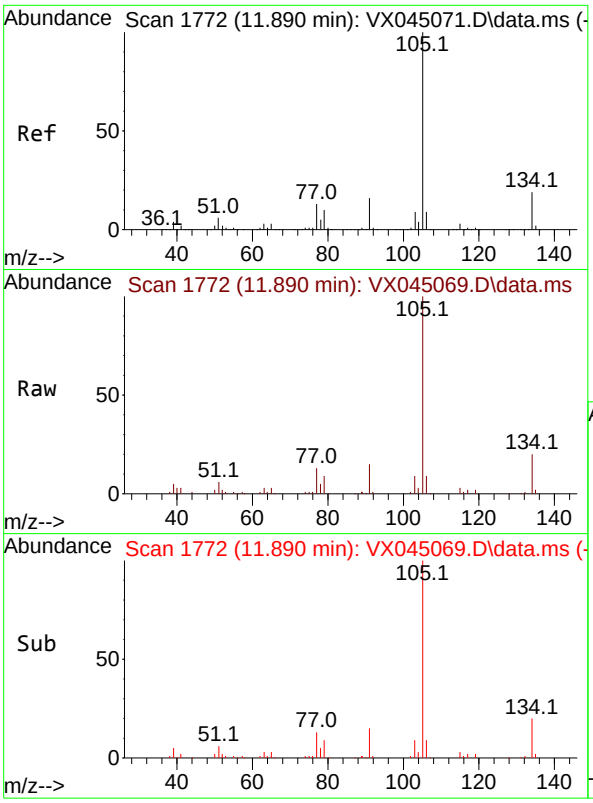


#84
1,2,4-Trimethylbenzene
Concen: 4.960 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

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

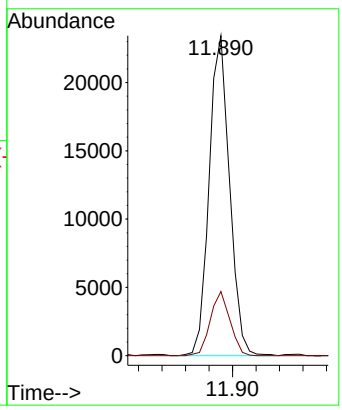
Tgt Ion:105 Resp: 2831

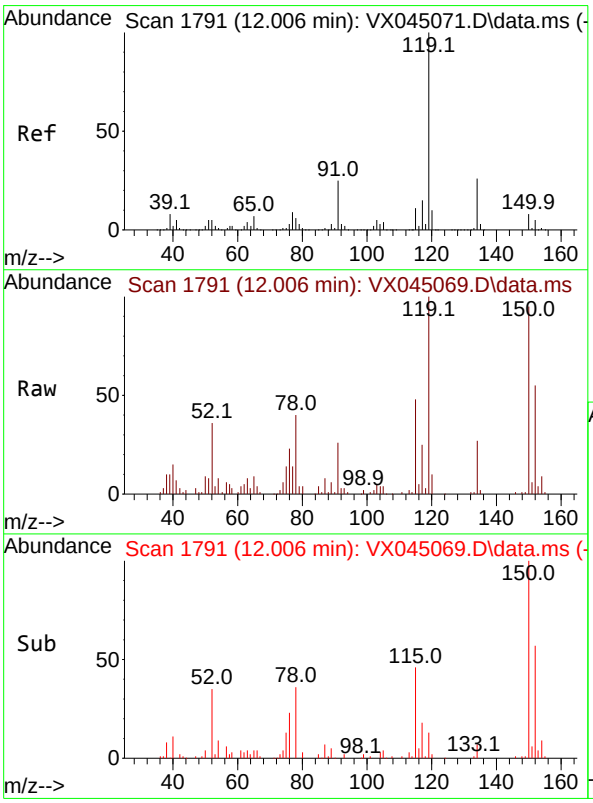
Ion	Ratio	Lower	Upper
105	100		
134	19.3	9.8	29.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

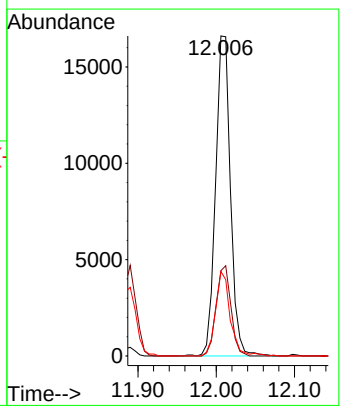


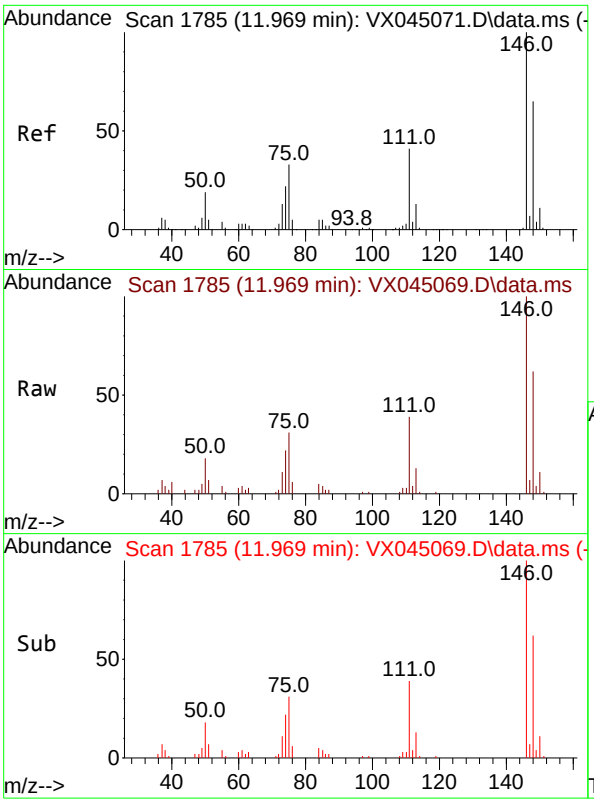


#86
p-Isopropyltoluene
Concen: 4.532 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

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

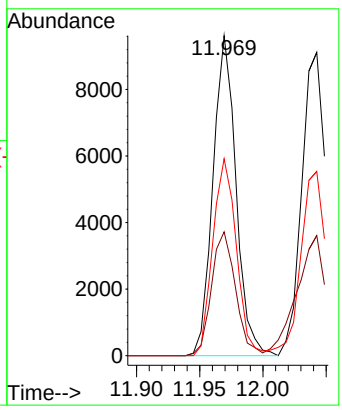




#87
1,3-Dichlorobenzene
Concen: 4.926 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:146 Resp: 1215

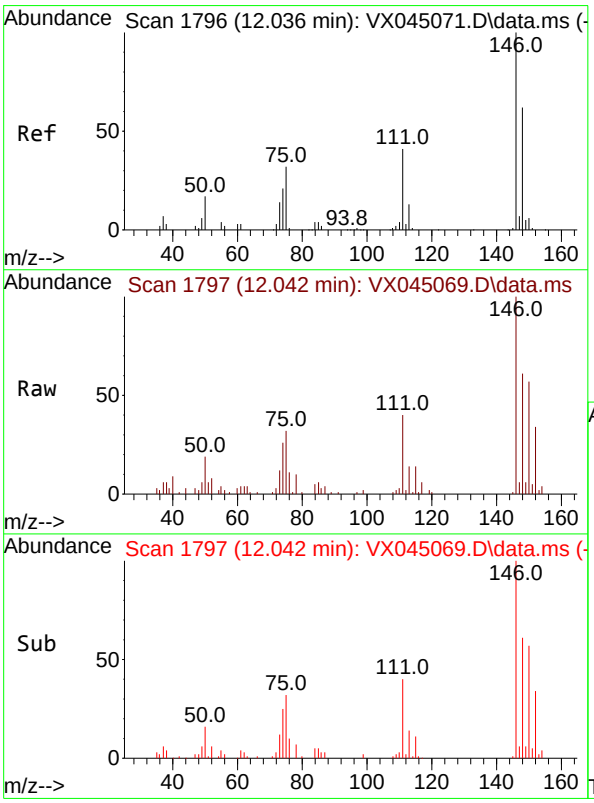
Ion	Ratio	Lower	Upper
146	100		
111	40.5	21.1	63.4
148	62.9	31.9	95.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

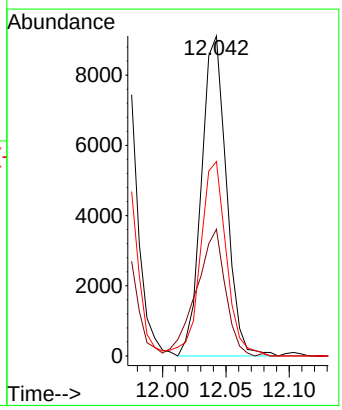
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

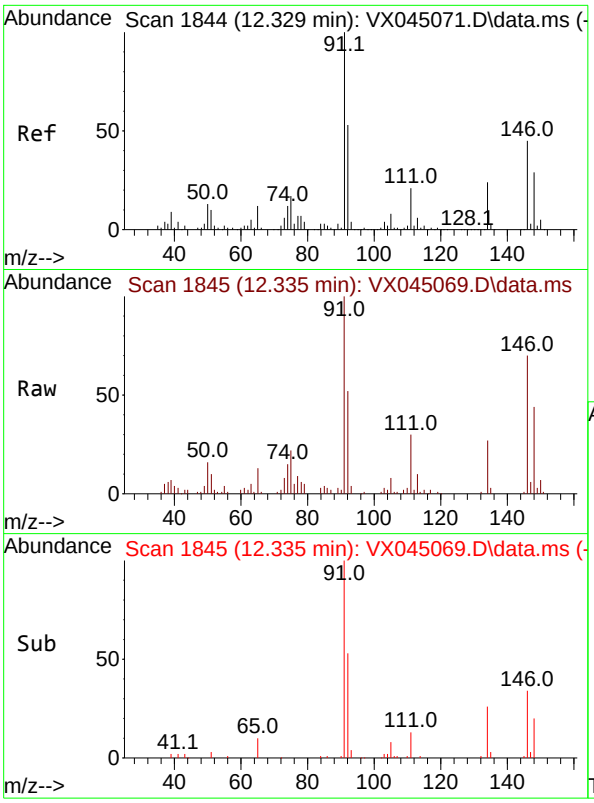


#88
1,4-Dichlorobenzene
Concen: 5.014 ug/l
RT: 12.042 min Scan# 1797
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

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

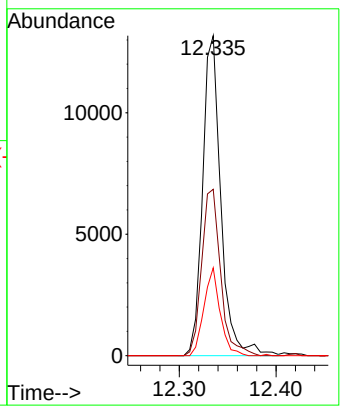




#89
n-Butylbenzene
Concen: 4.072 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 91 Resp: 1735

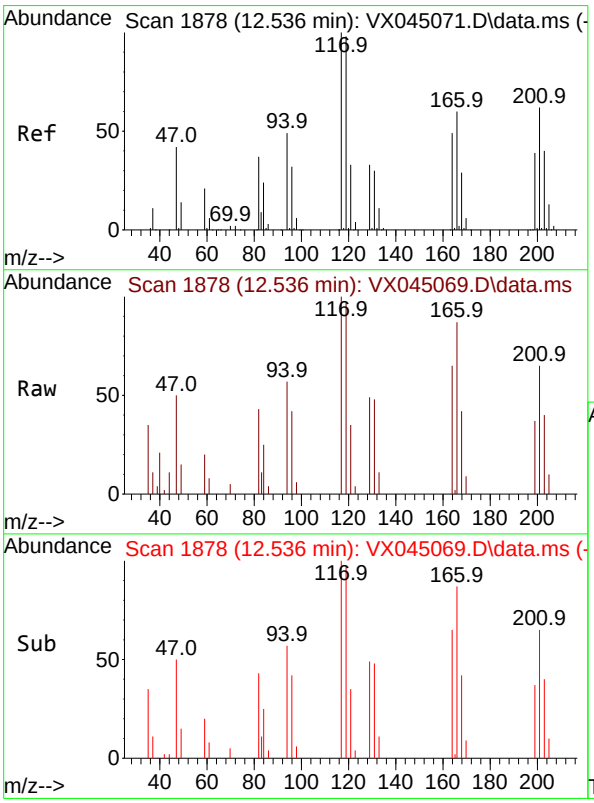
Ion	Ratio	Lower	Upper
91	100		
92	53.9	26.7	80.0
134	24.4	12.2	36.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

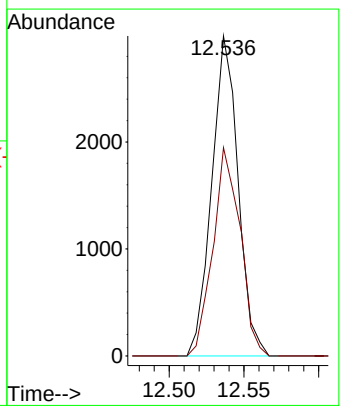
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

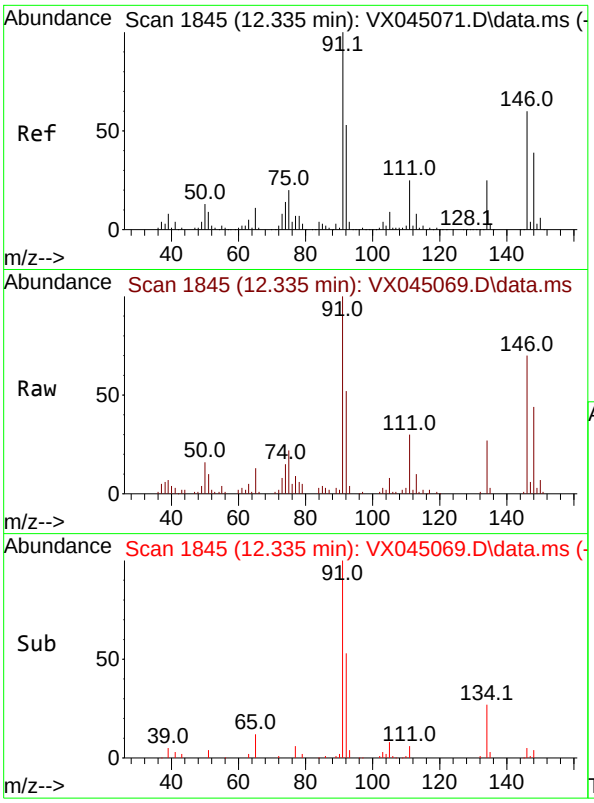


#90
Hexachloroethane
Concen: 4.052 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:117 Resp: 3665

Ion	Ratio	Lower	Upper
117	100		
201	67.1	31.9	95.9

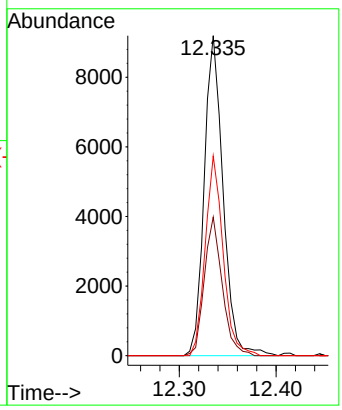




#91
1,2-Dichlorobenzene
Concen: 5.138 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:146 Resp: 1247

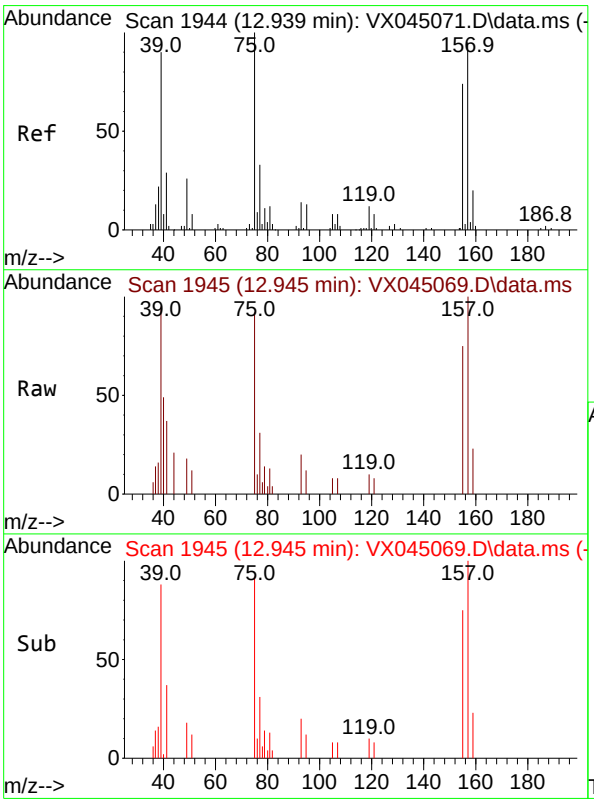
Ion	Ratio	Lower	Upper
146	100		
111	41.2	21.6	65.0
148	59.4	31.9	95.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

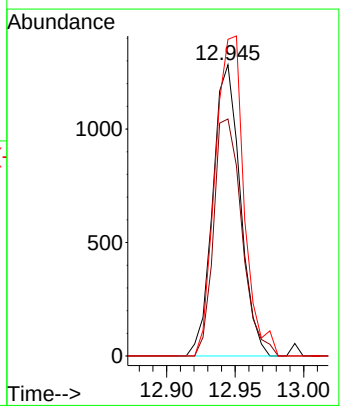
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

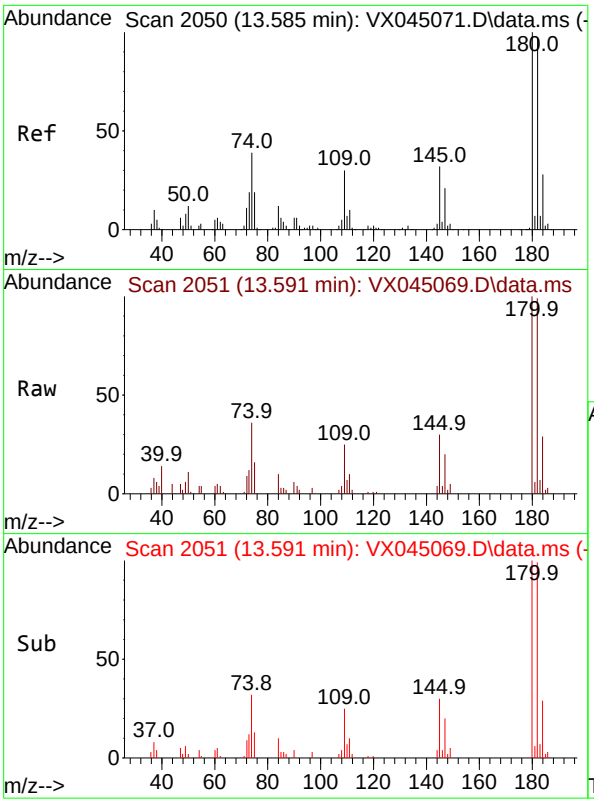


#92
1,2-Dibromo-3-Chloropropane
Concen: 4.712 ug/l
RT: 12.945 min Scan# 1945
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

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

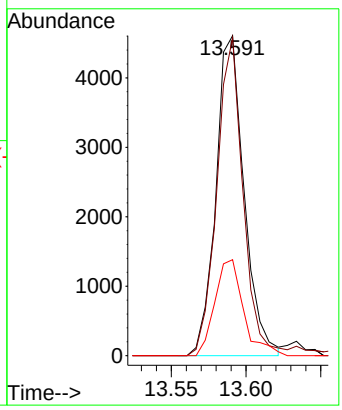




#93
1,2,4-Trichlorobenzene
Concen: 4.114 ug/l
RT: 13.591 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:180 Resp: 604

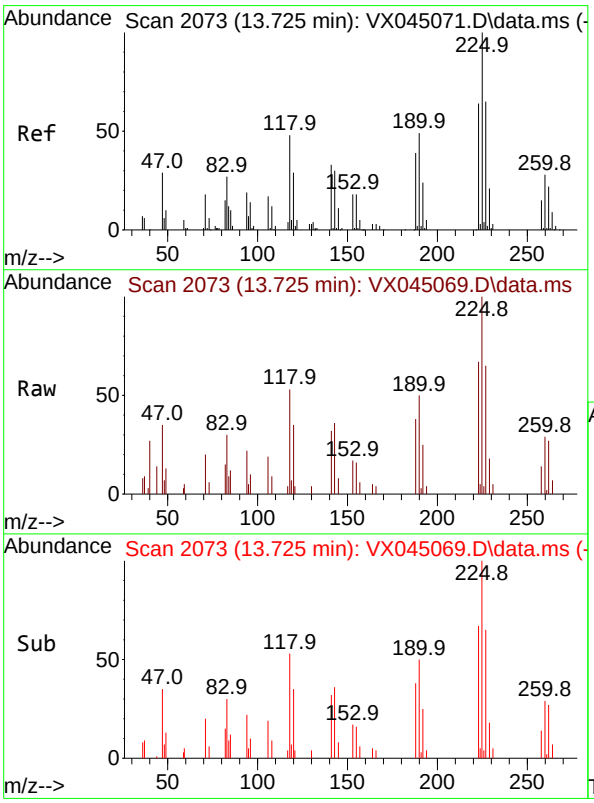
Ion	Ratio	Lower	Upper
180	100		
182	92.4	47.3	141.9
145	30.6	16.3	48.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

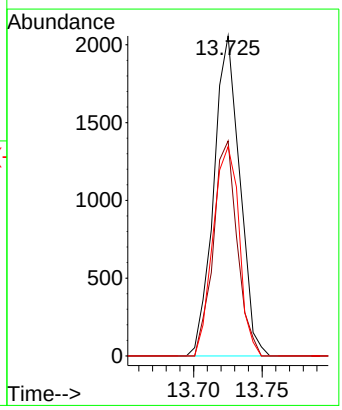
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

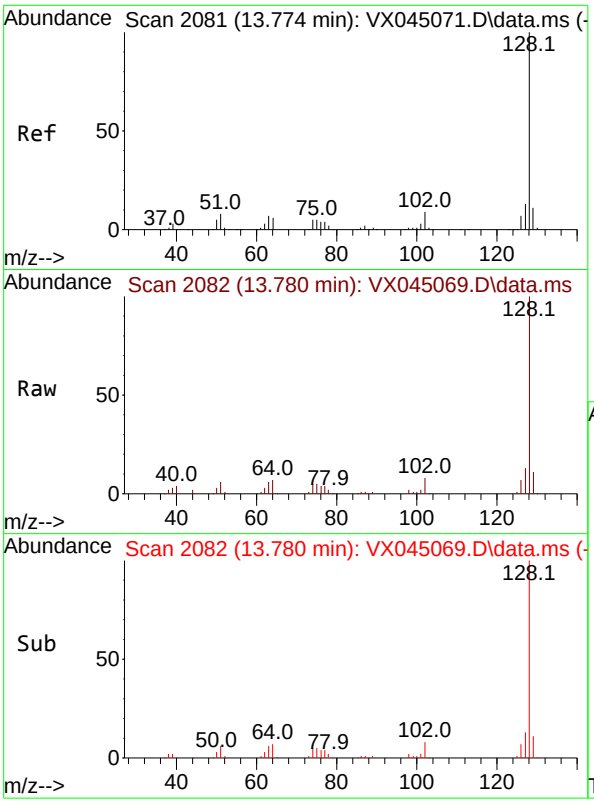


#94
Hexachlorobutadiene
Concen: 4.640 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

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

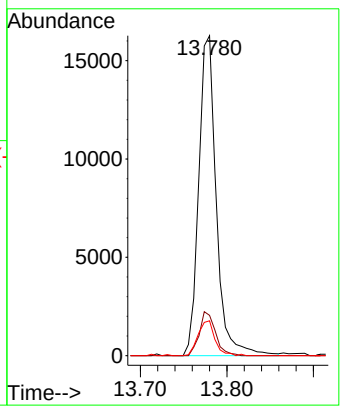




#95
Naphthalene
Concen: 4.287 ug/l
RT: 13.780 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:128 Resp: 2292

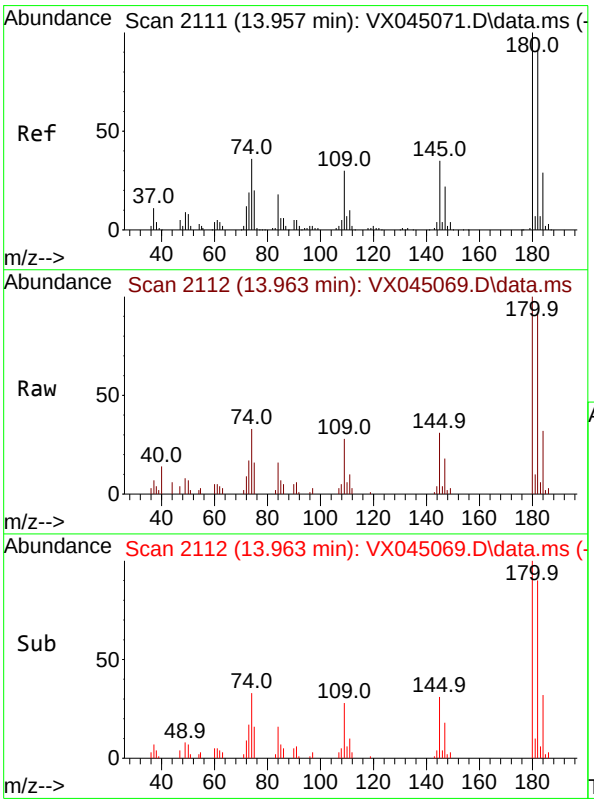
Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.3	15.5
129	10.6	8.7	13.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

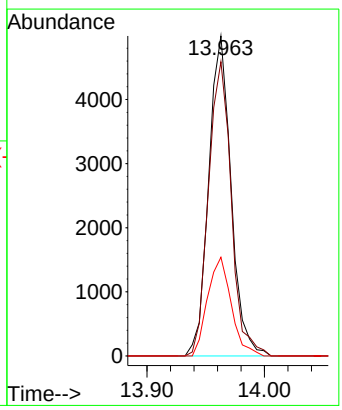
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#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

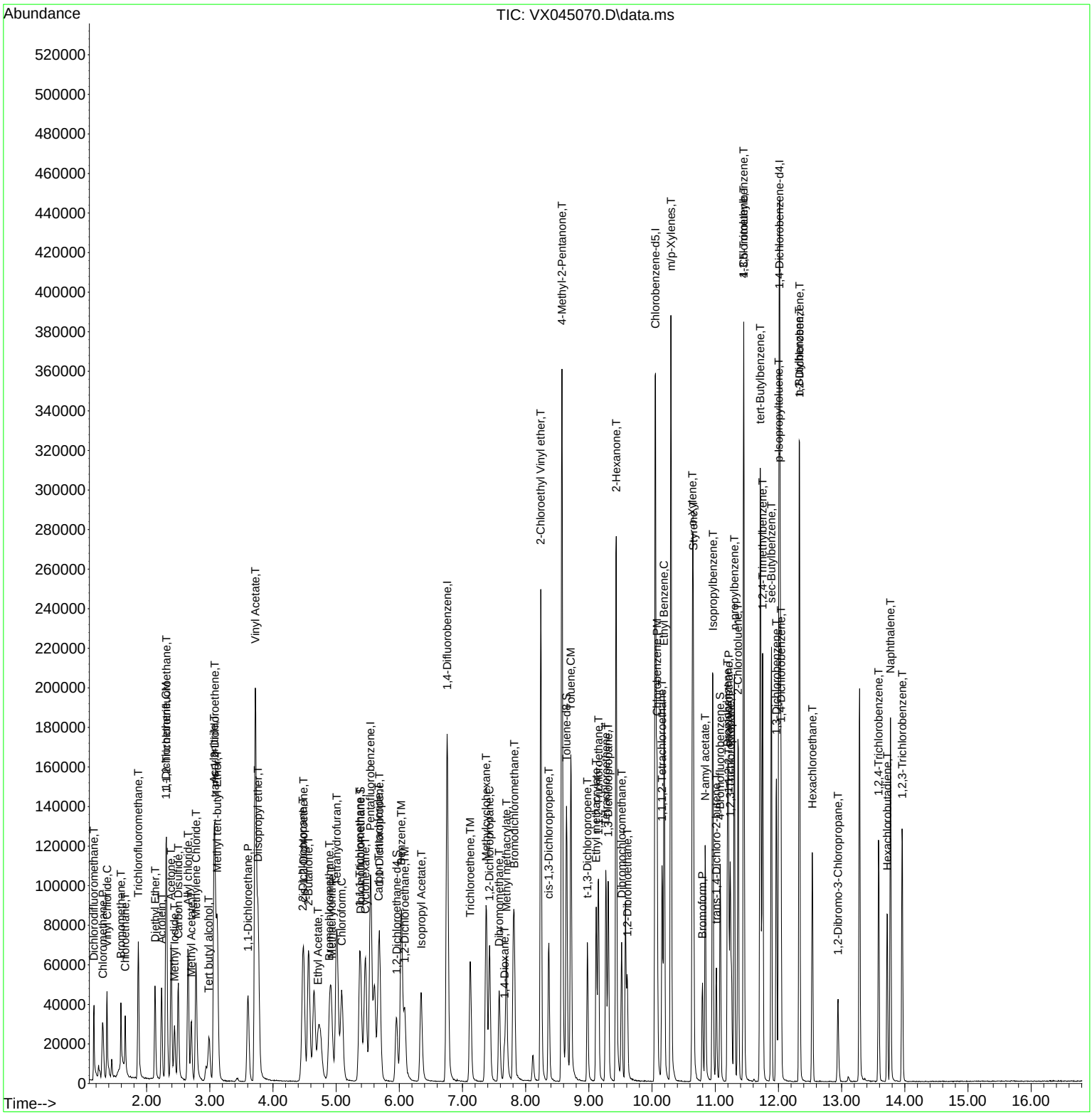
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Data File : VX045070.D
Acq On : 28 Feb 2025 02:37
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

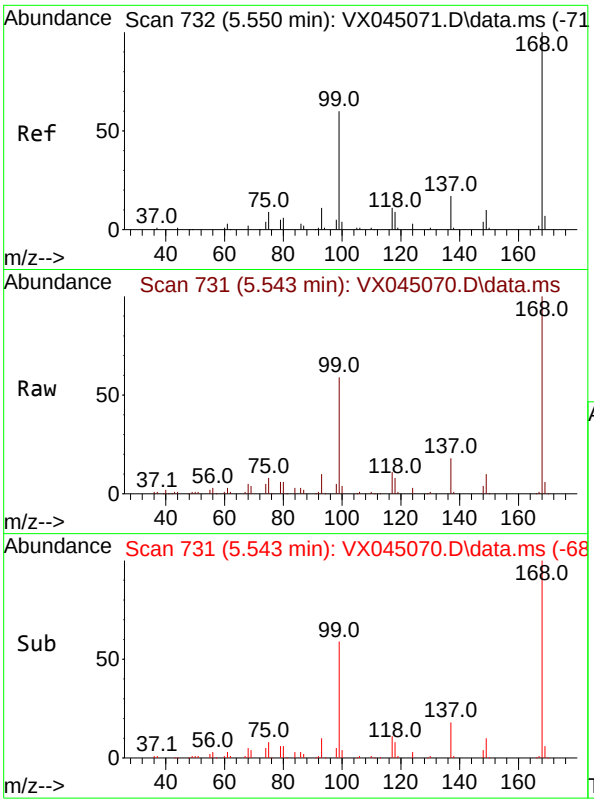
Quant Time: Feb 28 05:33:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

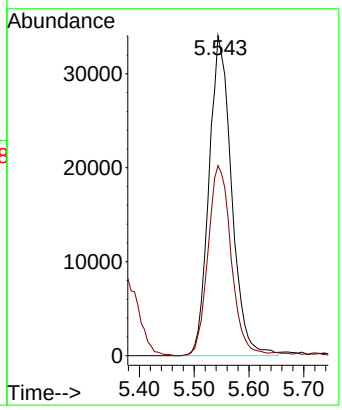




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.543 min Scan# 7
Delta R.T. -0.007 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:168 Resp: 9733

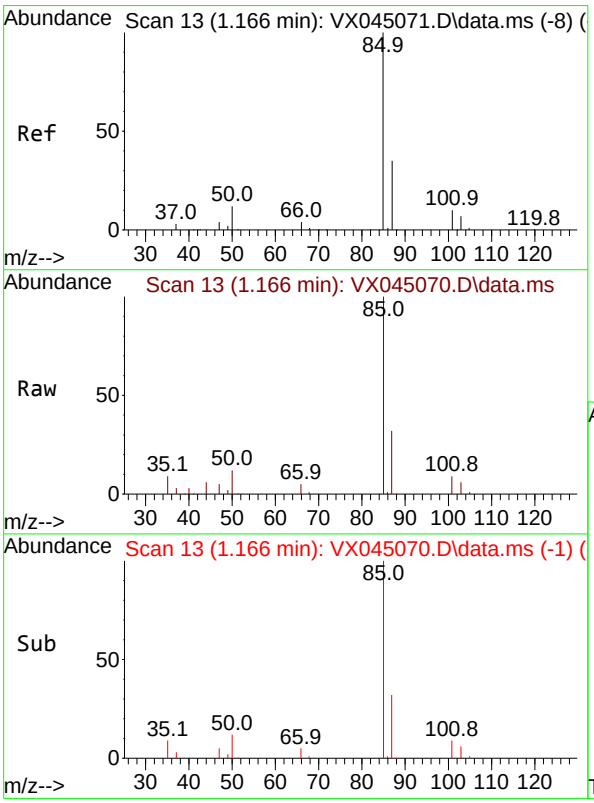
Ion	Ratio	Lower	Upper
168	100		
99	59.4	48.2	72.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

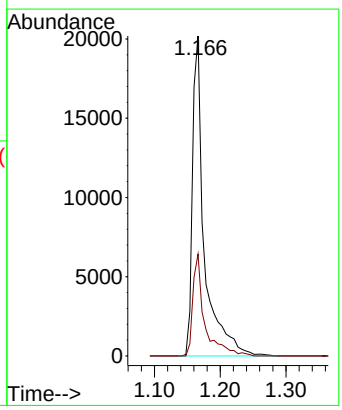
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

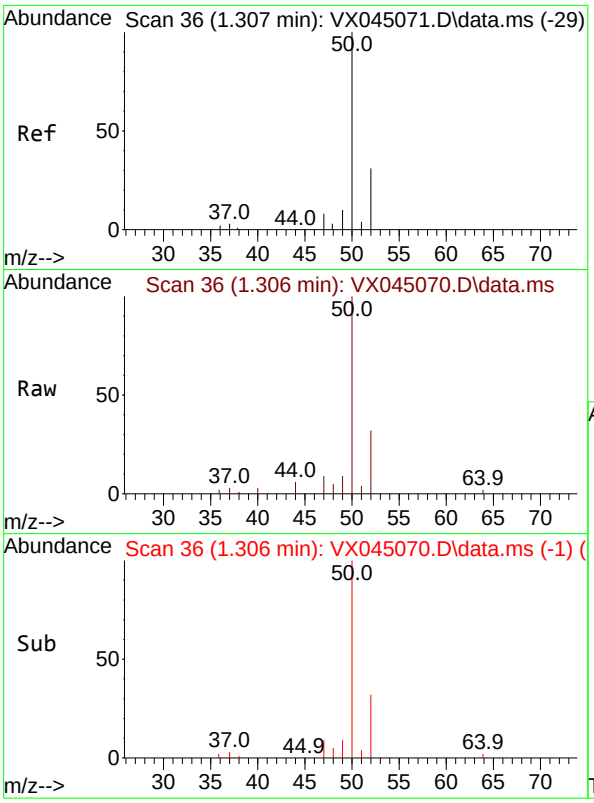


#2
Dichlorodifluoromethane
Concen: 18.750 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 85 Resp: 25155

Ion	Ratio	Lower	Upper
85	100		
87	31.9	17.4	52.3

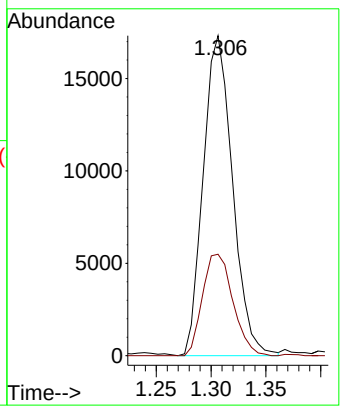




#3
Chloromethane
Concen: 19.736 ug/l
RT: 1.306 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 50 Resp: 3221

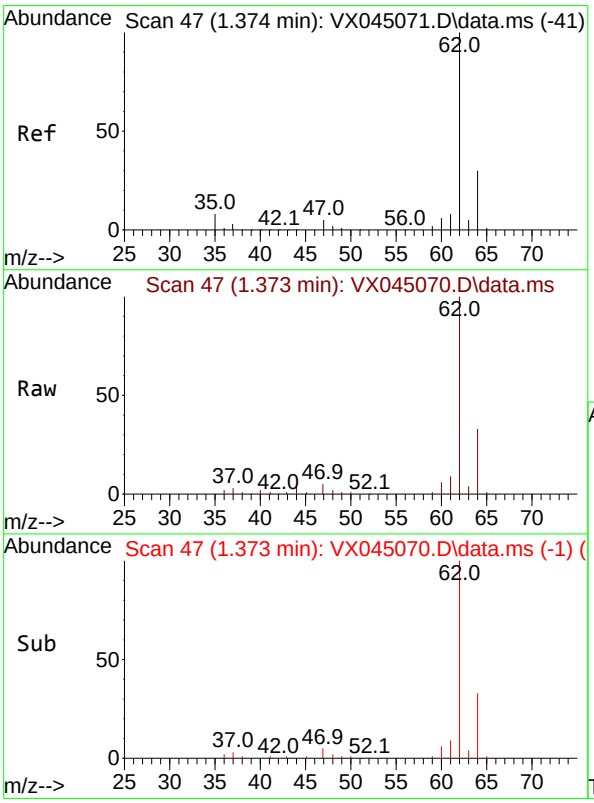
Ion	Ratio	Lower	Upper
50	100		
52	31.7	25.0	37.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

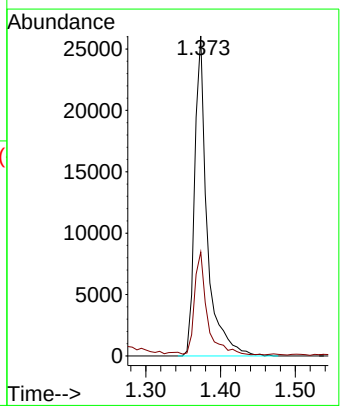
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

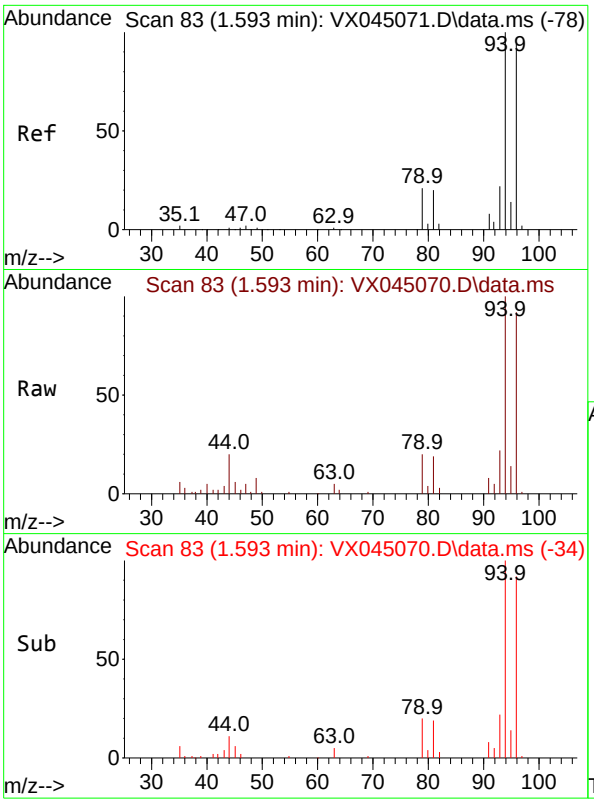


#4
Vinyl Chloride
Concen: 18.899 ug/l
RT: 1.373 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 62 Resp: 30134

Ion	Ratio	Lower	Upper
62	100		
64	32.0	24.3	36.5

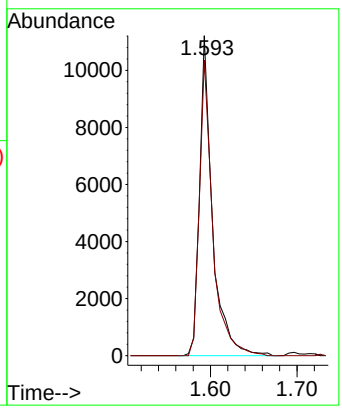




#5
Bromomethane
Concen: 23.239 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 94 Resp: 1158

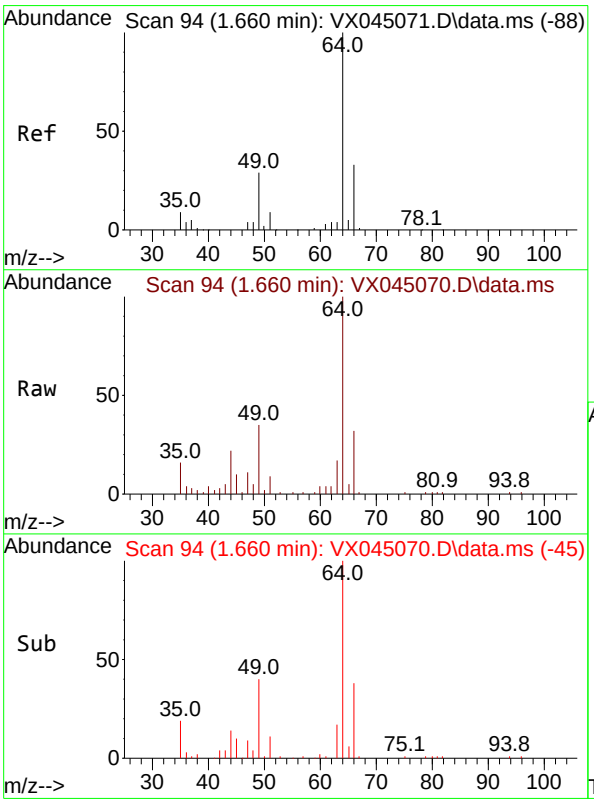
Ion	Ratio	Lower	Upper
94	100		
96	92.4	75.0	112.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

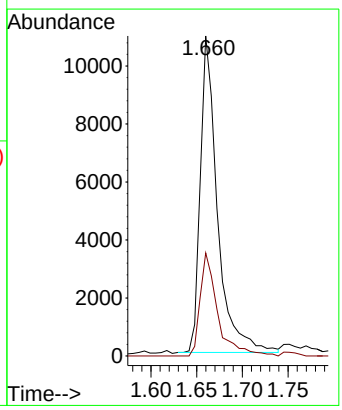
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

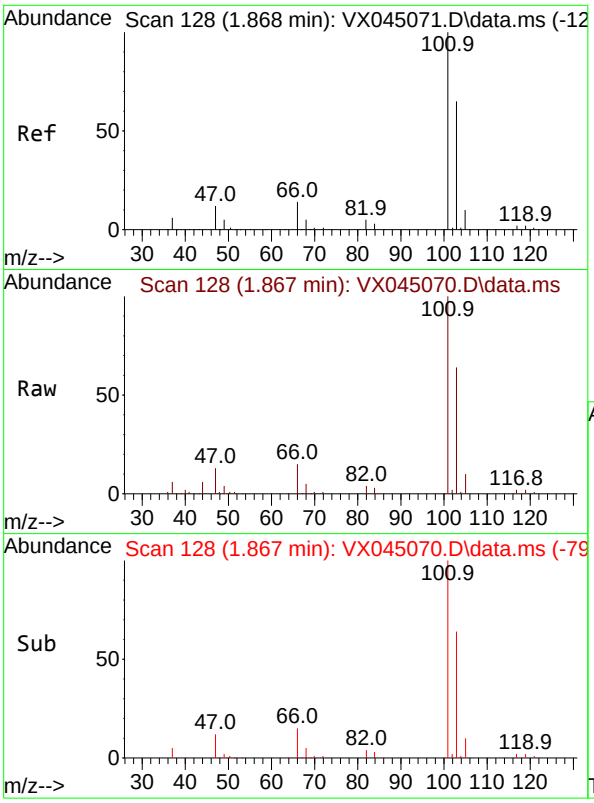


#6
Chloroethane
Concen: 23.457 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 64 Resp: 14237

Ion	Ratio	Lower	Upper
64	100		
66	32.6	26.7	40.1

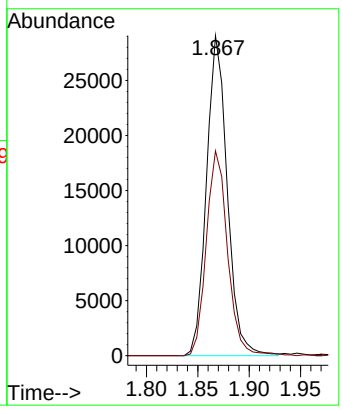




#7
Trichlorofluoromethane
Concen: 20.015 ug/l
RT: 1.867 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:101 Resp: 4088

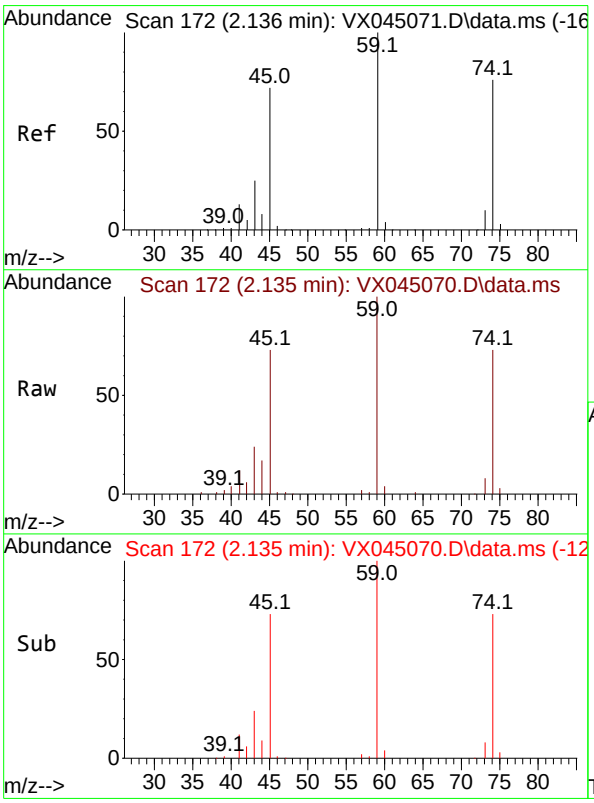
Ion	Ratio	Lower	Upper
101	100		
103	64.0	52.1	78.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

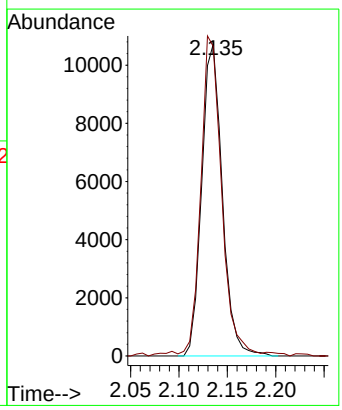
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

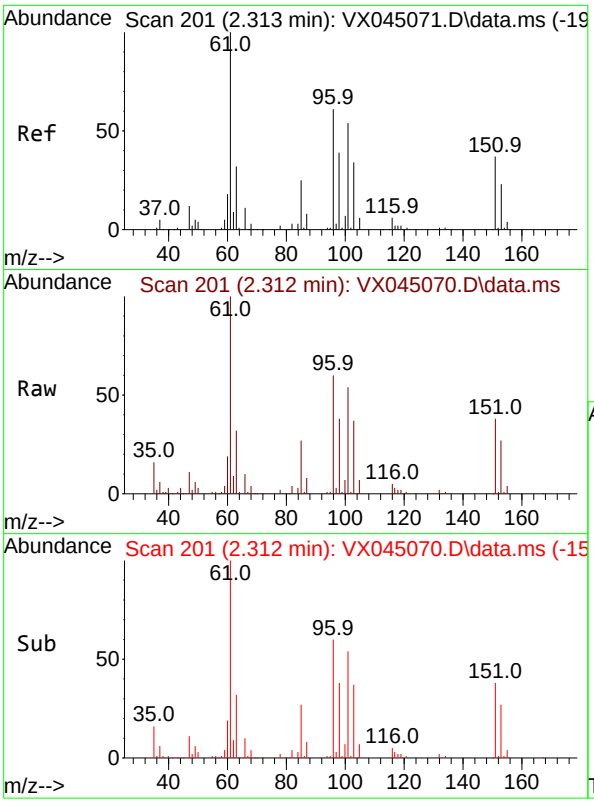


#8
Diethyl Ether
Concen: 21.437 ug/l
RT: 2.135 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 74 Resp: 15911

Ion	Ratio	Lower	Upper
74	100		
45	105.3	51.5	154.5

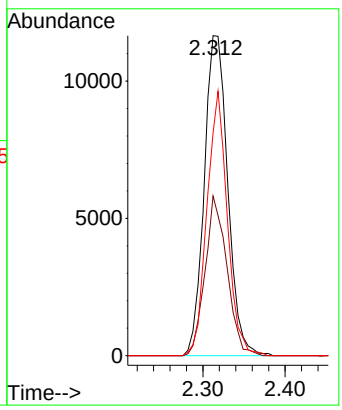




#9
1,1,2-Trichlorotrifluoroethane
Concen: 18.984 ug/l
RT: 2.312 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:101 Resp: 2315

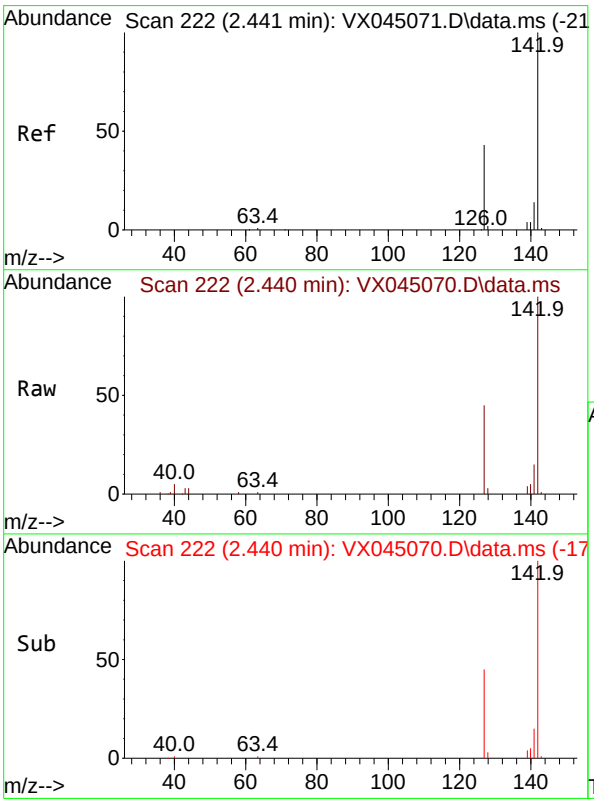
Ion	Ratio	Lower	Upper
101	100		
85	46.5	36.2	54.4
151	71.8	56.4	84.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

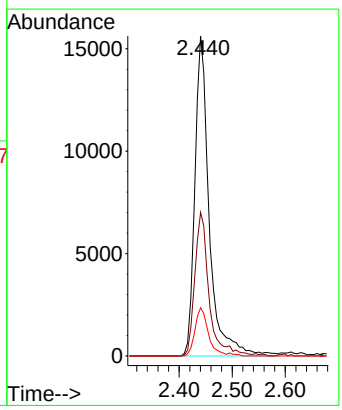
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

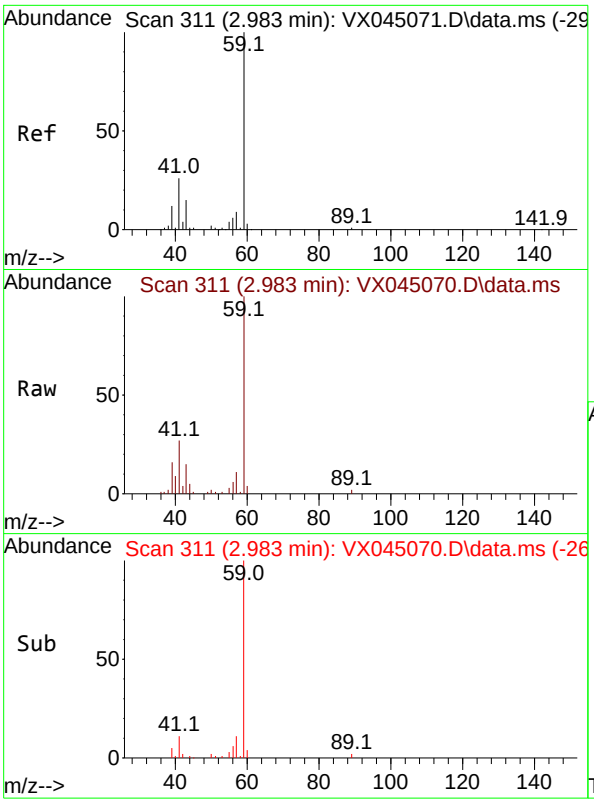


#10
Methyl Iodide
Concen: 18.867 ug/l
RT: 2.440 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

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

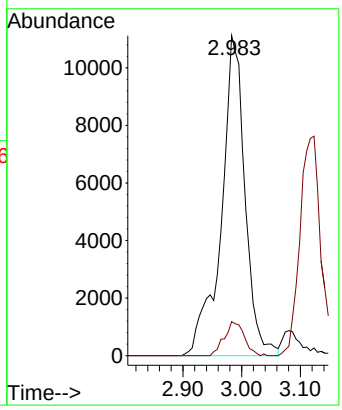




#11
Tert butyl alcohol
Concen: 118.627 ug/l
RT: 2.983 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 59 Resp: 3124

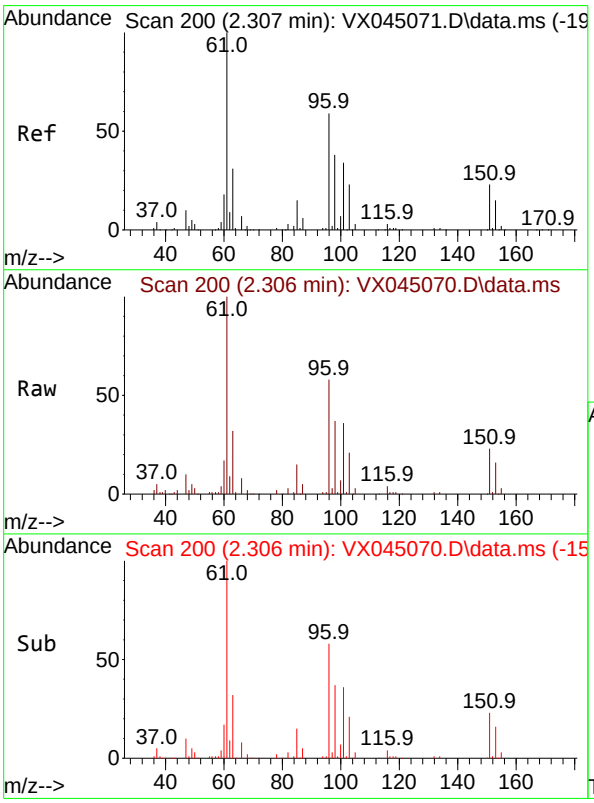
Ion	Ratio	Lower	Upper
59	100		
57	8.9	7.8	11.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

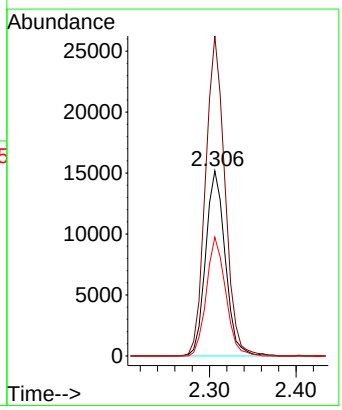
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

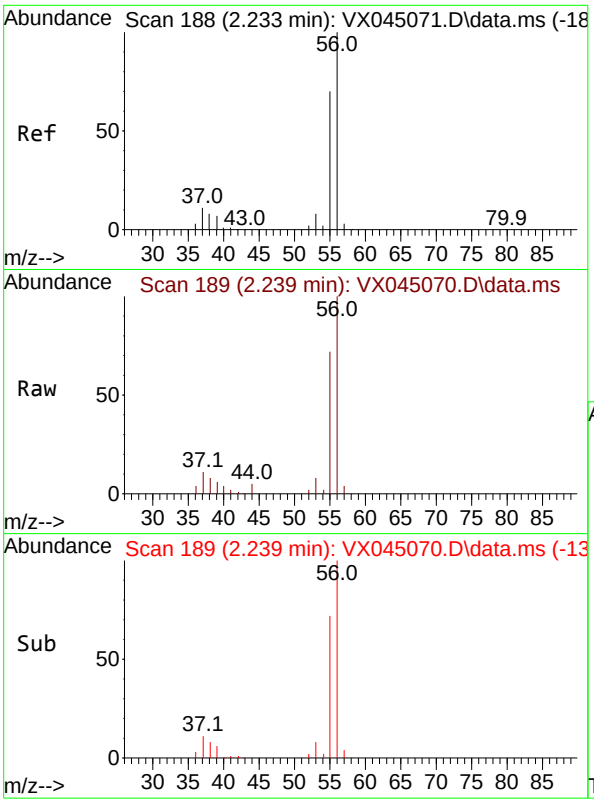


#12
1,1-Dichloroethene
Concen: 19.014 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

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

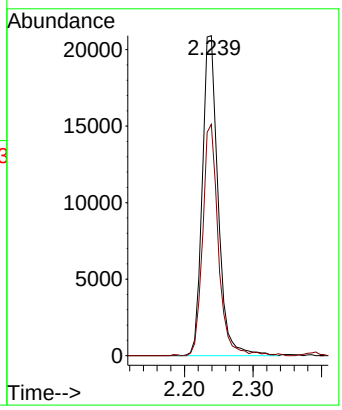




#13
Acrolein
Concen: 117.747 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 56 Resp: 3358

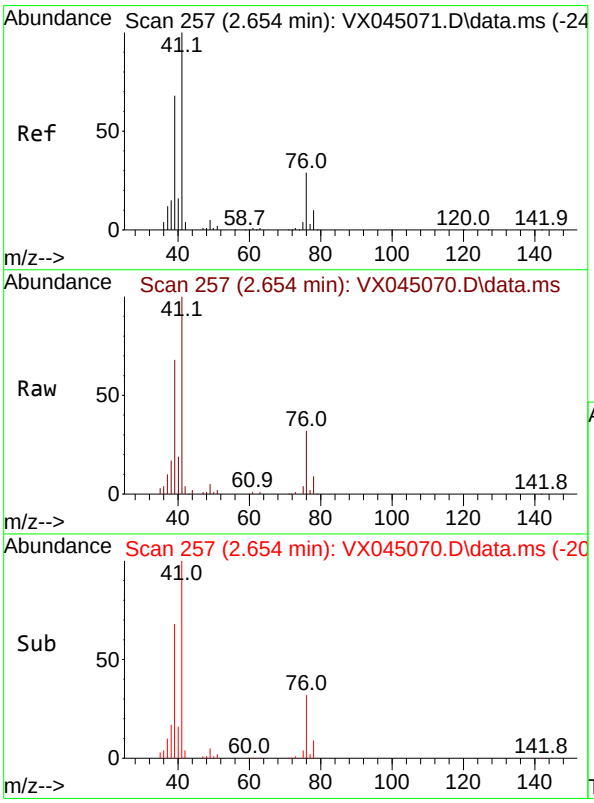
Ion	Ratio	Lower	Upper
56	100		
55	71.4	56.2	84.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

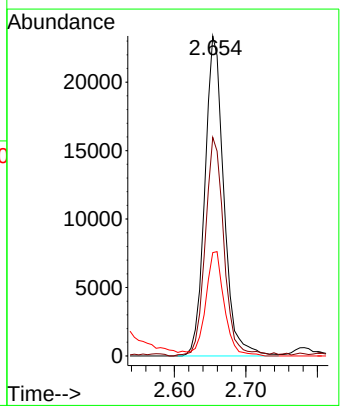
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

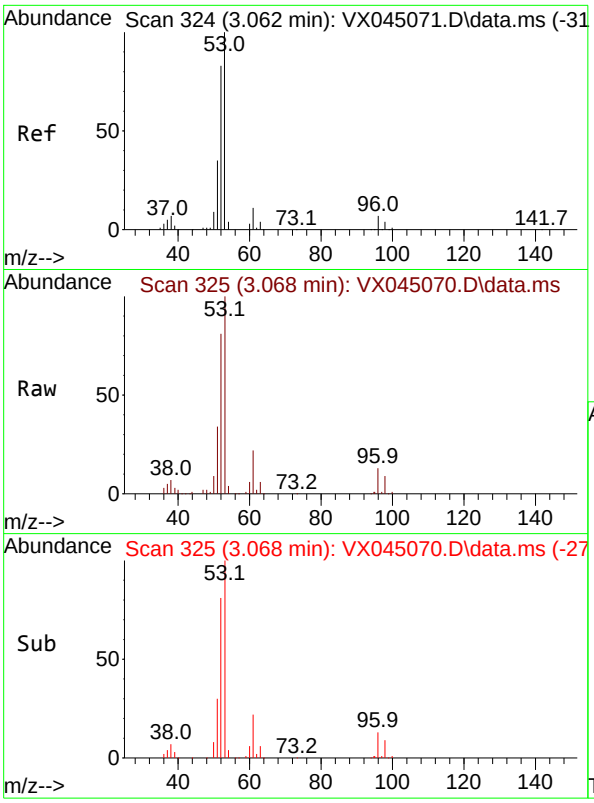


#14
Allyl chloride
Concen: 19.096 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

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

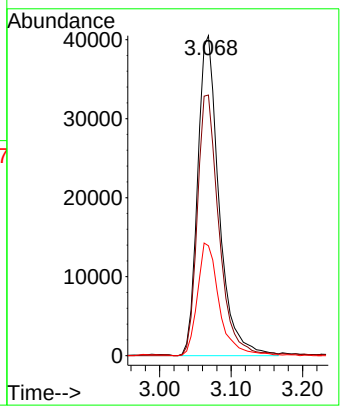




#15
Acrylonitrile
Concen: 117.598 ug/l
RT: 3.068 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 53 Resp: 8418

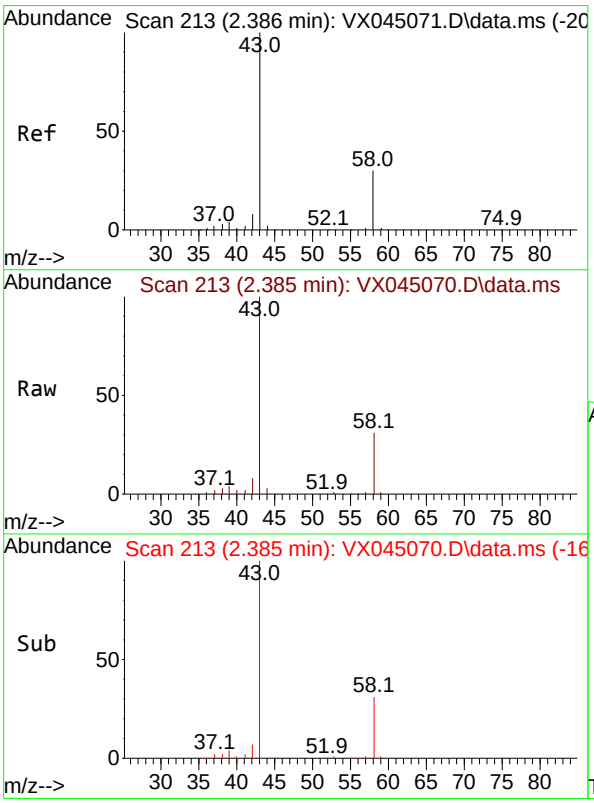
Ion	Ratio	Lower	Upper
53	100		
52	82.8	66.2	99.2
51	36.0	29.0	43.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

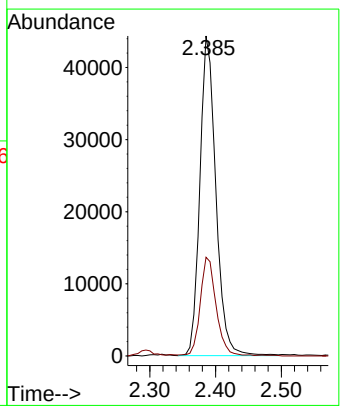
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

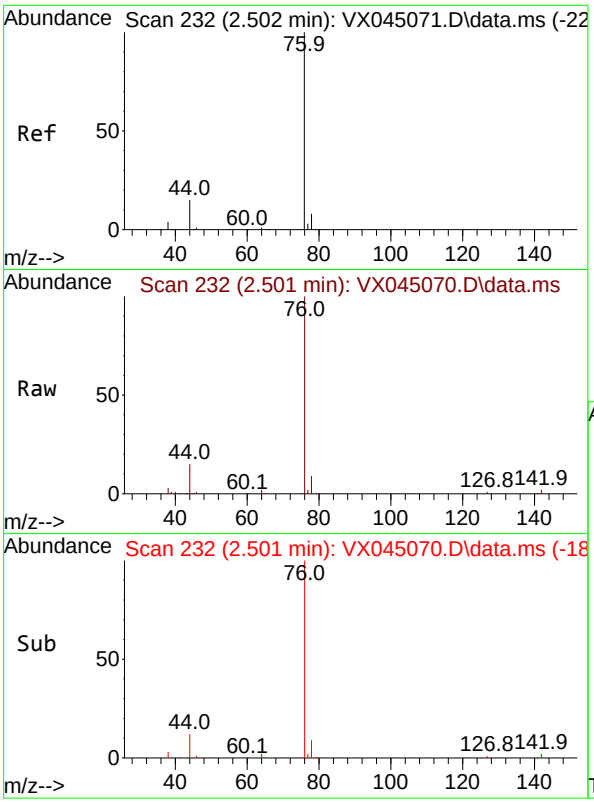


#16
Acetone
Concen: 126.257 ug/l
RT: 2.385 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

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

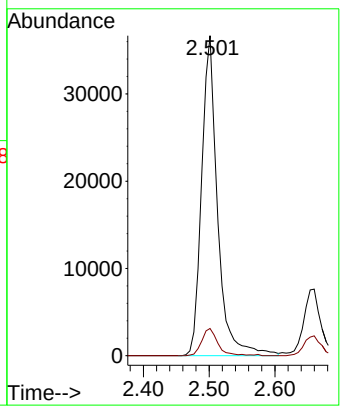
Tgt Ion: 76 Resp: 6180

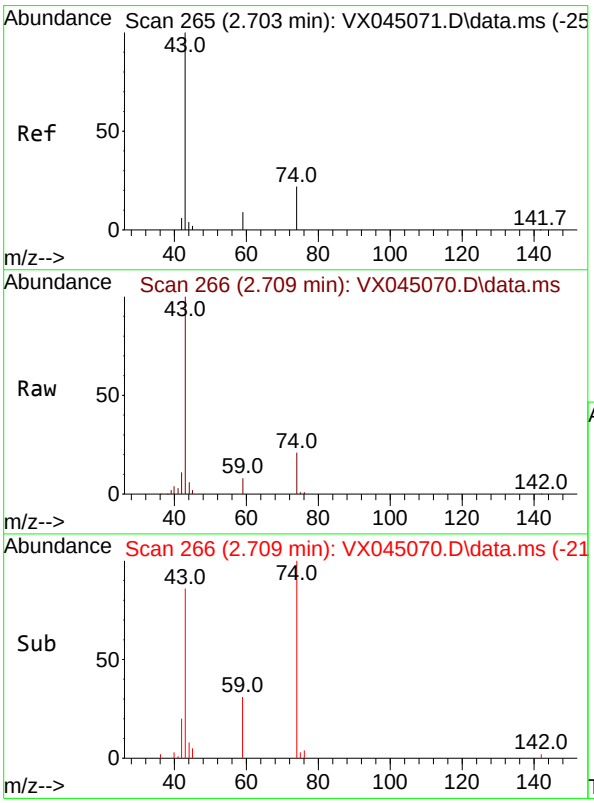
Ion	Ratio	Lower	Upper
76	100		
78	8.5	6.6	9.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

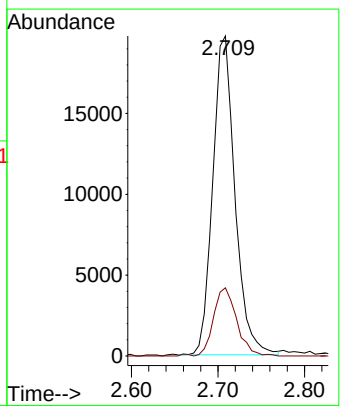


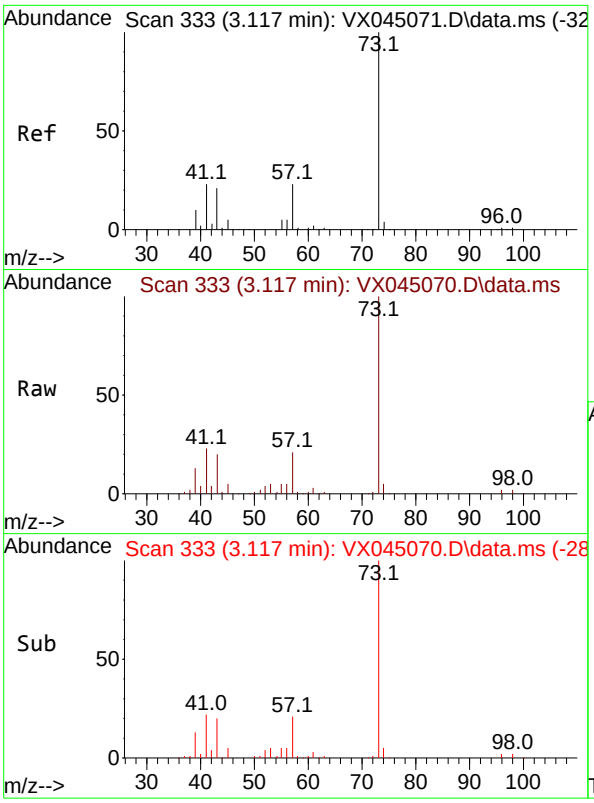


#18
Methyl Acetate
Concen: 19.729 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 43 Resp: 35157

Ion	Ratio	Lower	Upper
43	100		
74	22.2	17.4	26.2

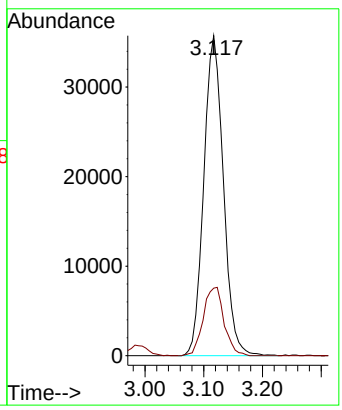




#19
Methyl tert-butyl Ether
Concen: 20.689 ug/l
RT: 3.117 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 73 Resp: 8283

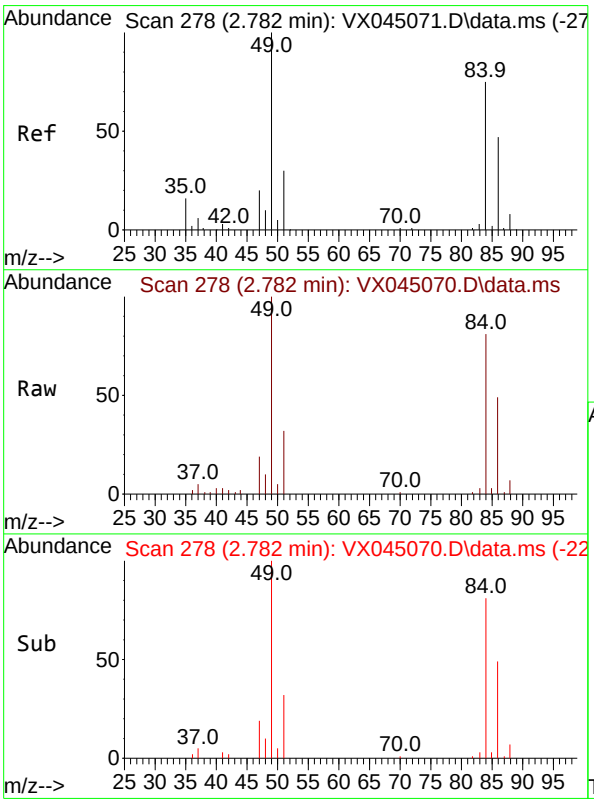
Ion	Ratio	Lower	Upper
73	100		
57	21.1	18.5	27.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

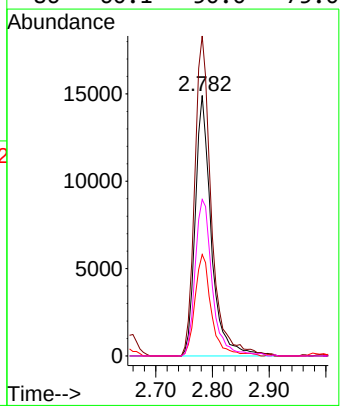
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

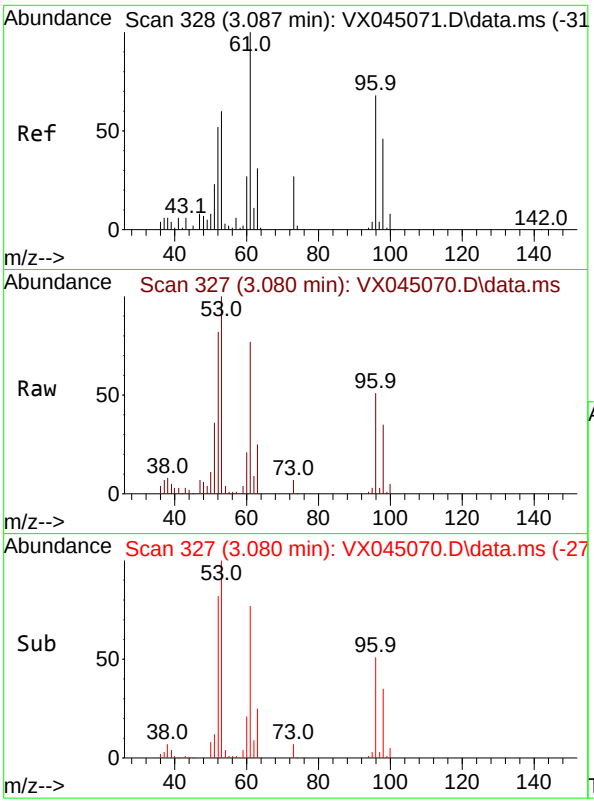


#20
Methylene Chloride
Concen: 20.895 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

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

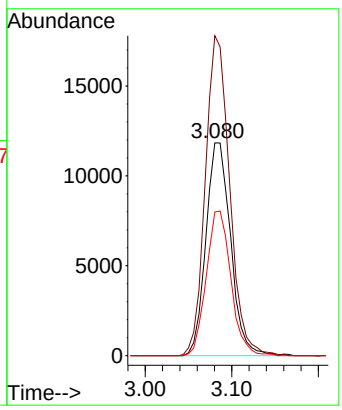




#21
trans-1,2-Dichloroethene
Concen: 19.057 ug/l
RT: 3.080 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 96 Resp: 2347

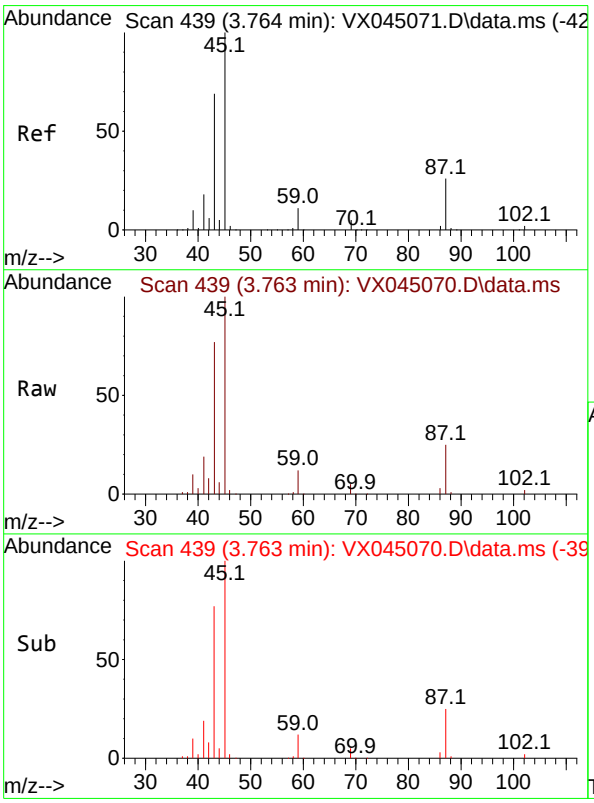
Ion	Ratio	Lower	Upper
96	100		
61	150.3	117.0	175.4
98	67.5	53.4	80.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
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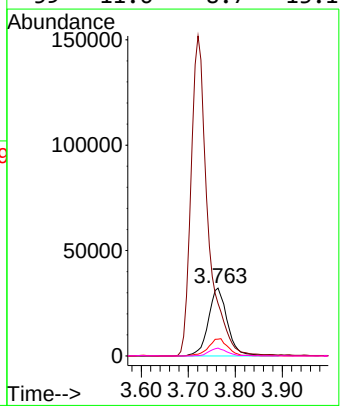
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

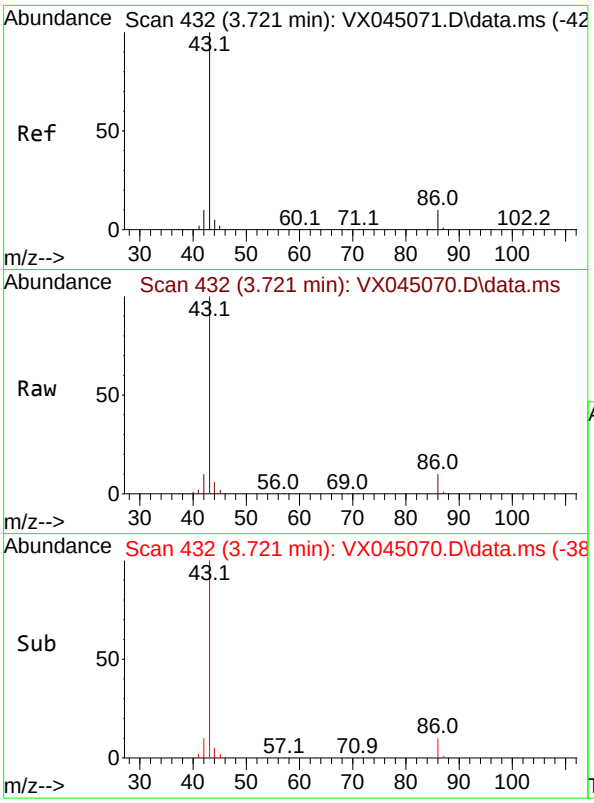


#22
Diisopropyl ether
Concen: 20.995 ug/l
RT: 3.763 min Scan# 439
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

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

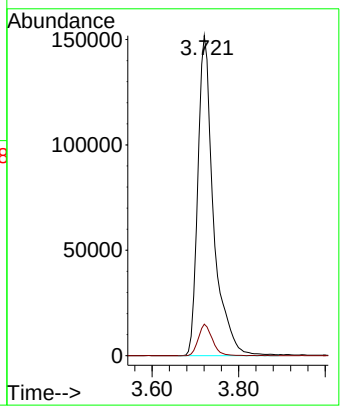
Tgt Ion: 43 Resp: 38180

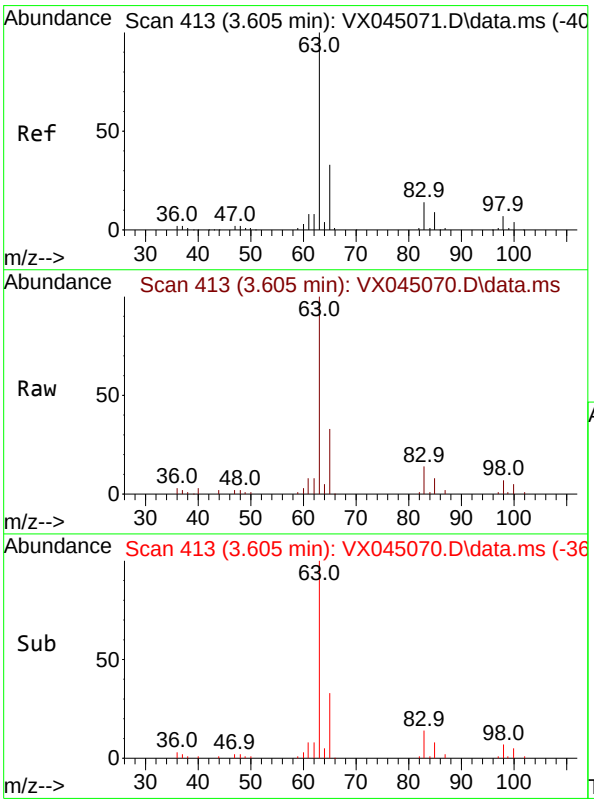
Ion	Ratio	Lower	Upper
43	100		
86	9.9	8.1	12.1

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

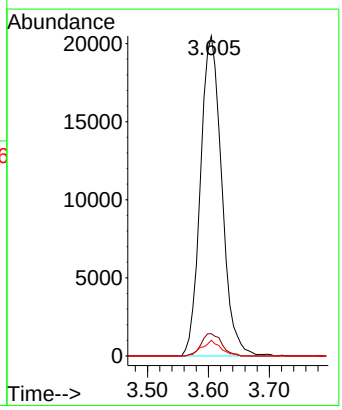


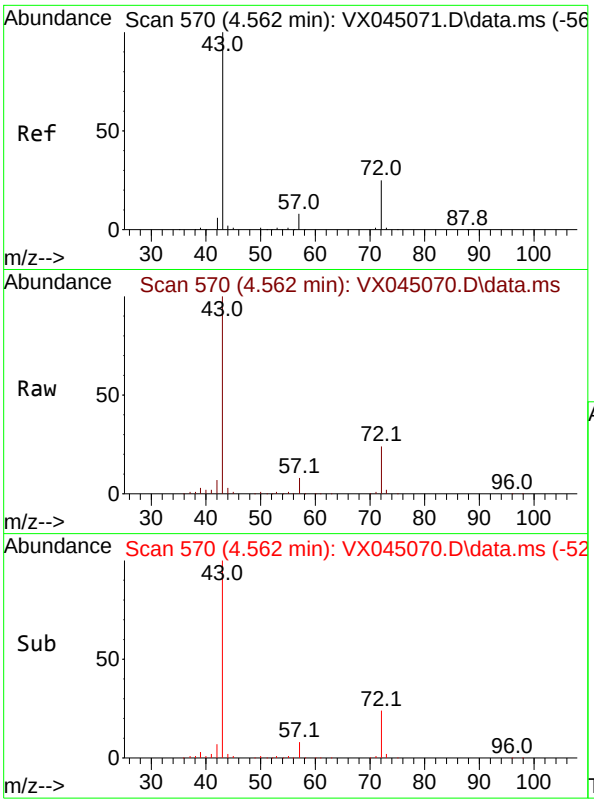


#24
1,1-Dichloroethane
Concen: 20.716 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

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

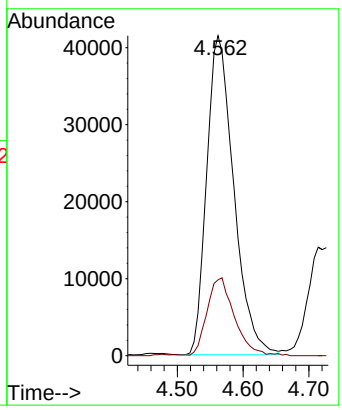
Tgt Ion: 43 Resp: 11871

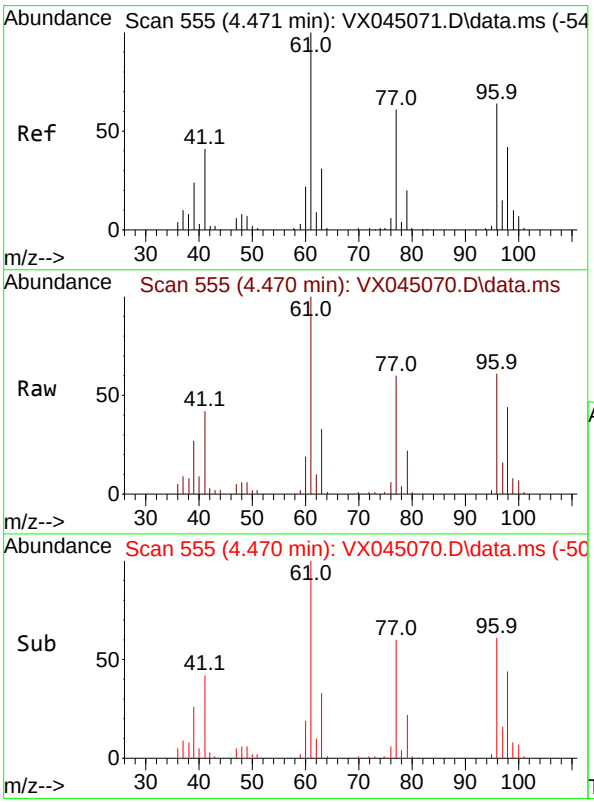
Ion	Ratio	Lower	Upper
43	100		
72	23.5	20.0	30.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
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Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

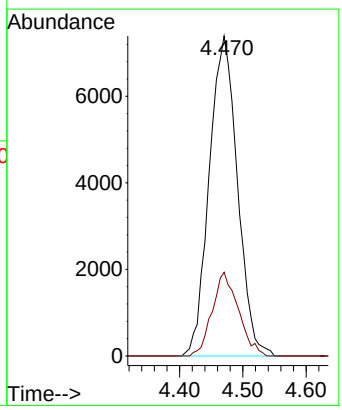


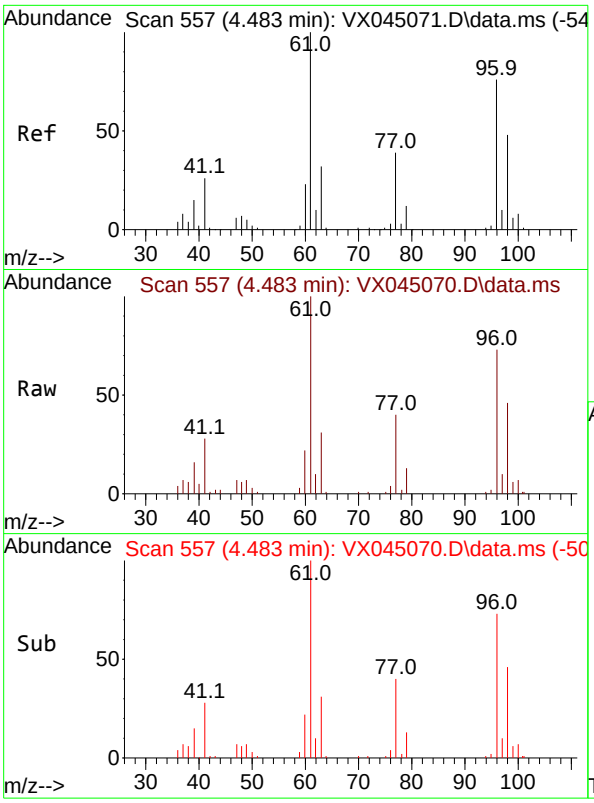


#26
2,2-Dichloropropane
Concen: 12.799 ug/l
RT: 4.470 min Scan# 555
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 77 Resp: 22886

Ion	Ratio	Lower	Upper
77	100		
97	24.2	12.4	37.0

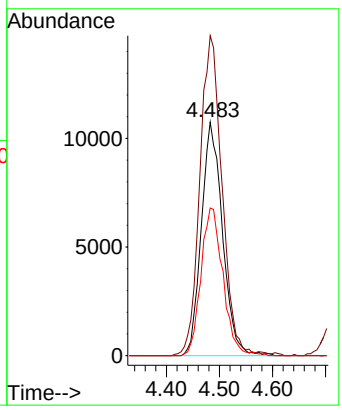




#27
cis-1,2-Dichloroethene
Concen: 20.065 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 96 Resp: 2978

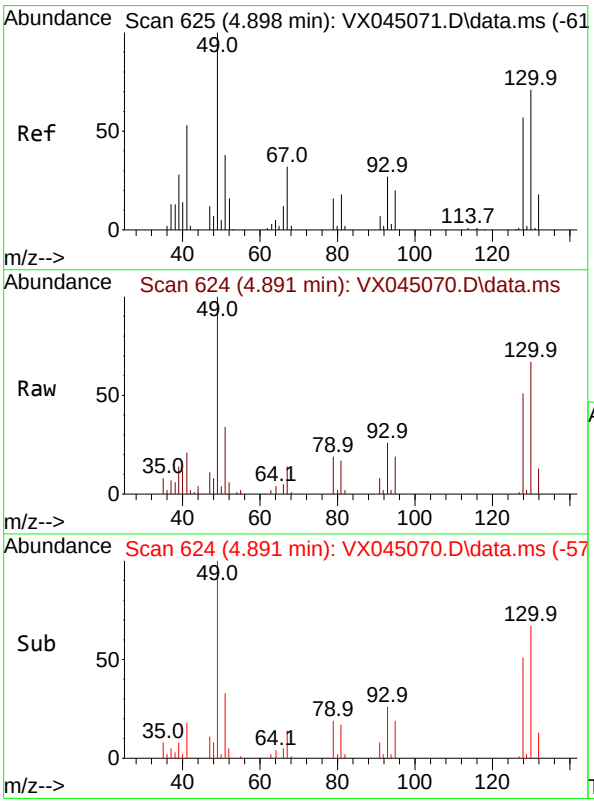
Ion	Ratio	Lower	Upper
96	100		
61	142.7	0.0	283.2
98	65.6	0.0	128.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
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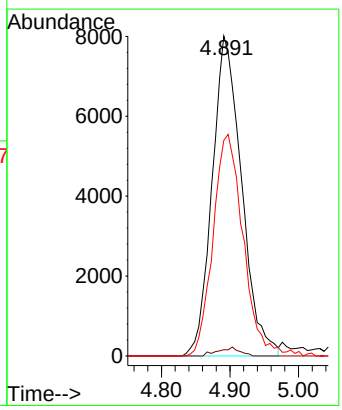
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

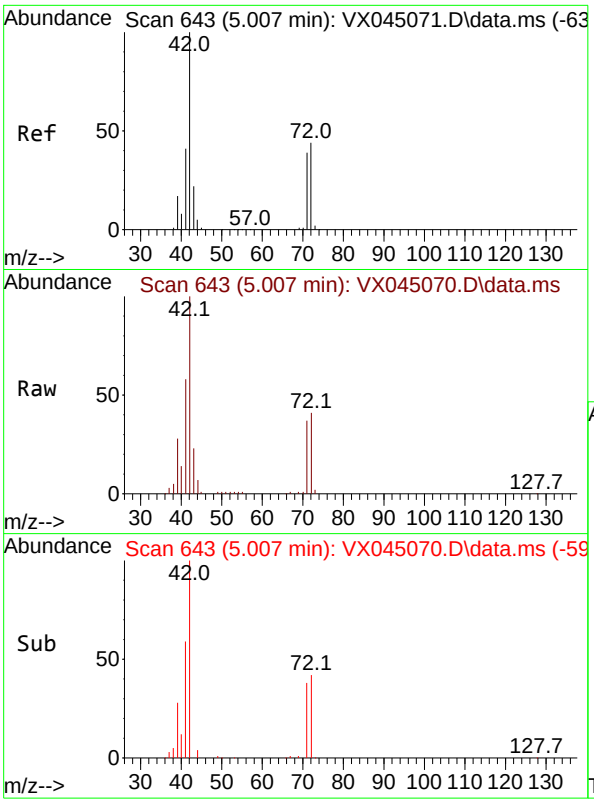


#28
Bromochloromethane
Concen: 20.579 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

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

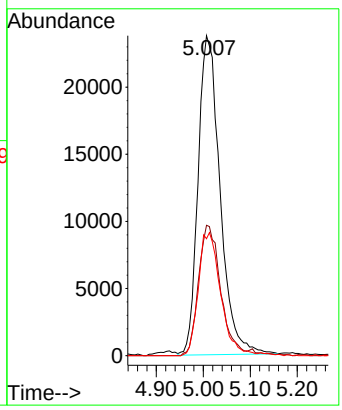
Tgt Ion: 42 Resp: 7743

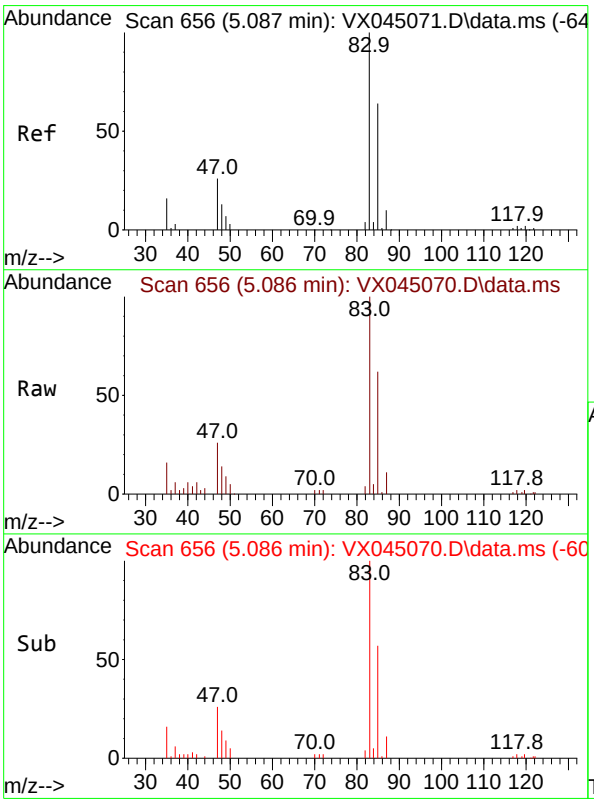
Ion	Ratio	Lower	Upper
42	100		
72	41.0	34.1	51.1
71	39.0	31.4	47.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

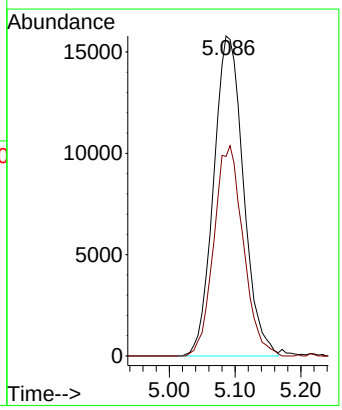


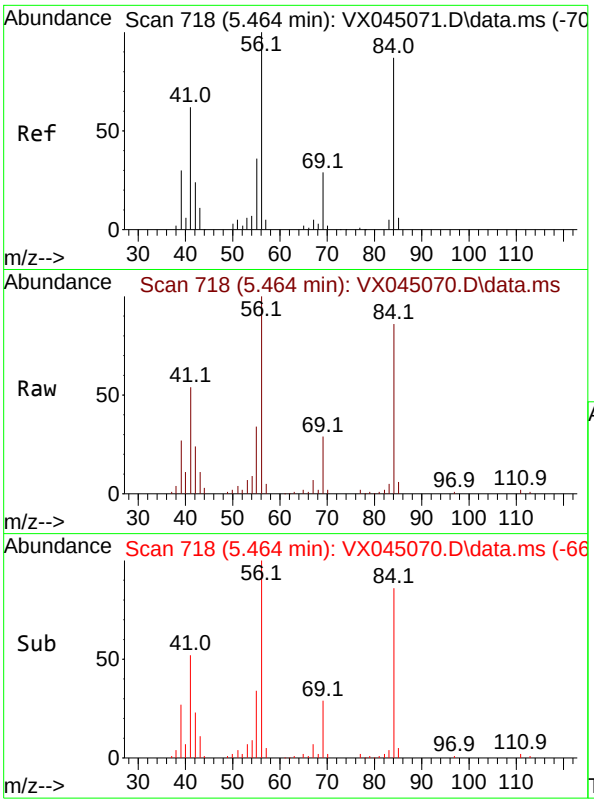


#30
Chloroform
Concen: 21.147 ug/l
RT: 5.086 min Scan# 656
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 83 Resp: 49751

Ion	Ratio	Lower	Upper
83	100		
85	62.3	51.4	77.2

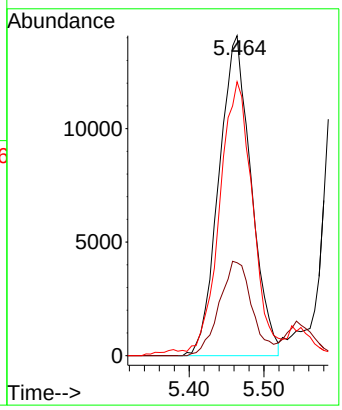




#31
Cyclohexane
Concen: 19.181 ug/l
RT: 5.464 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 56 Resp: 4234

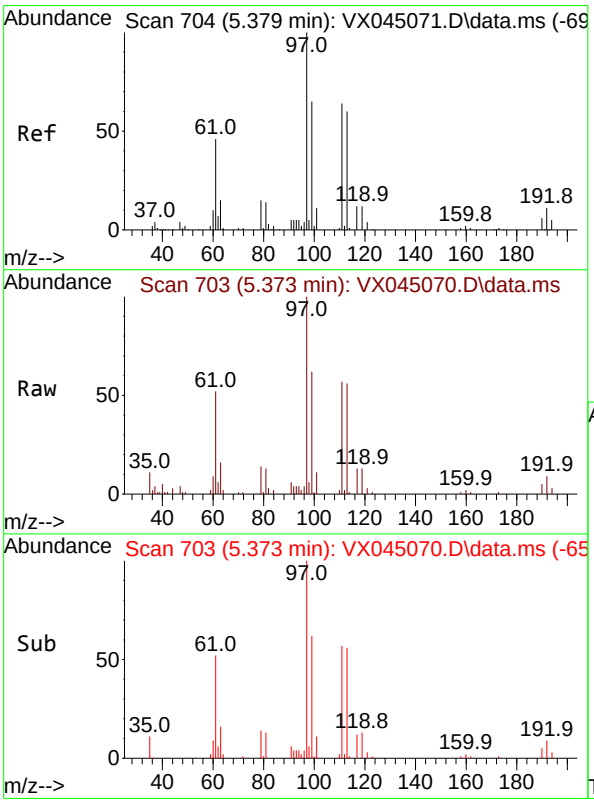
Ion	Ratio	Lower	Upper
56	100		
69	29.0	23.4	35.2
84	84.2	69.4	104.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

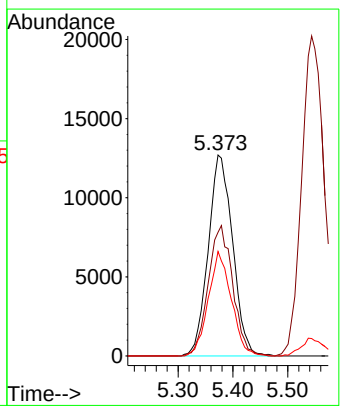
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

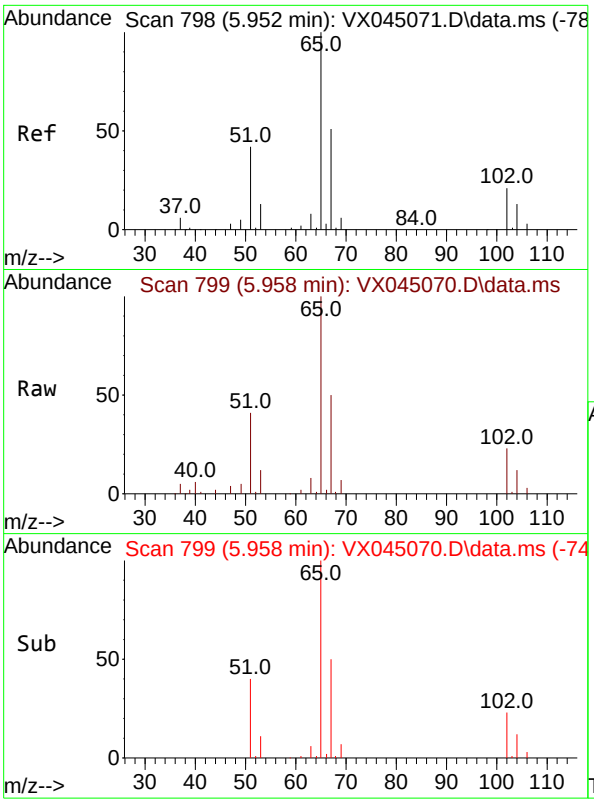


#32
1,1,1-Trichloroethane
Concen: 19.831 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

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

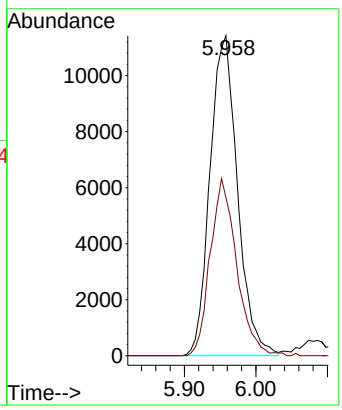




#33
1,2-Dichloroethane-d4
Concen: 21.221 ug/l
RT: 5.958 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 65 Resp: 3051

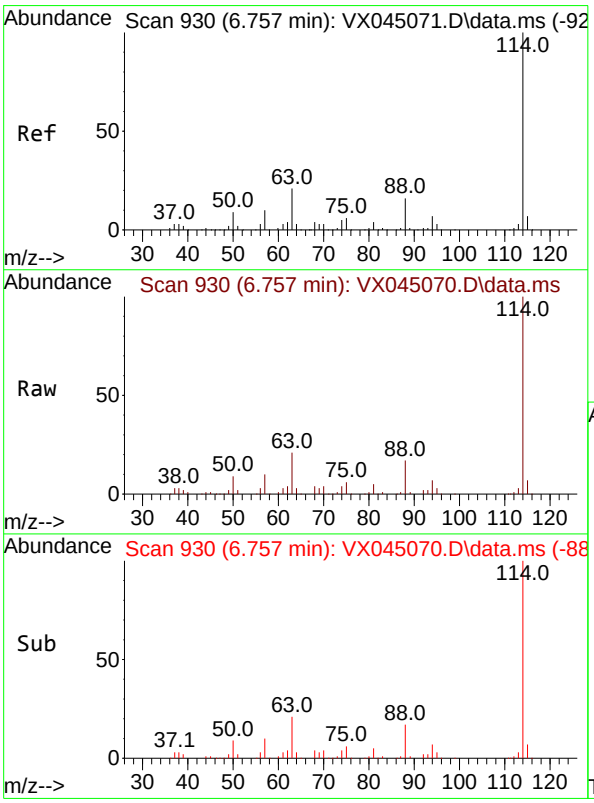
Ion	Ratio	Lower	Upper
65	100		
67	53.2	0.0	106.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

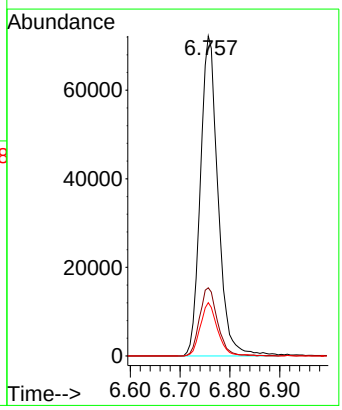
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

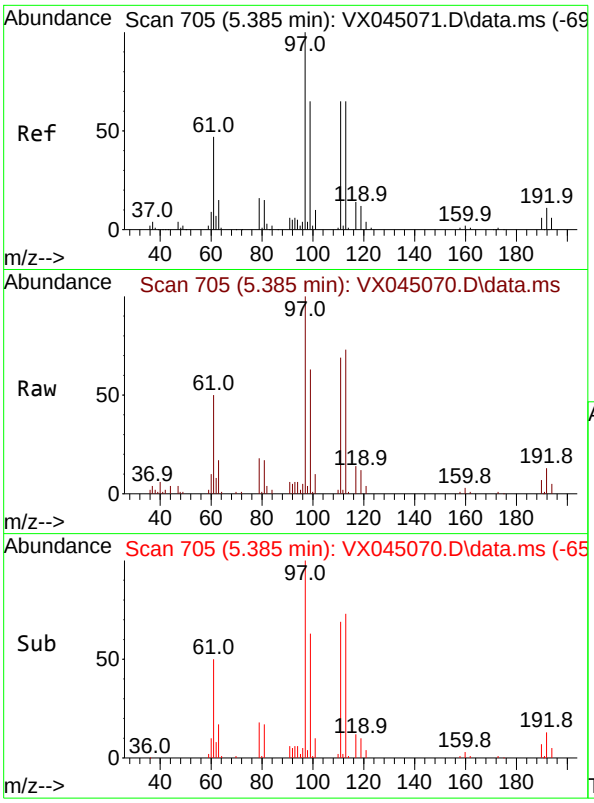


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

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

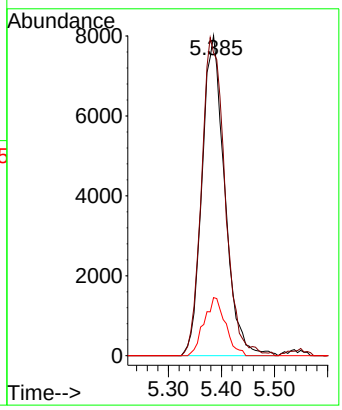




#35
Dibromofluoromethane
Concen: 20.473 ug/l
RT: 5.385 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:113 Resp: 2373

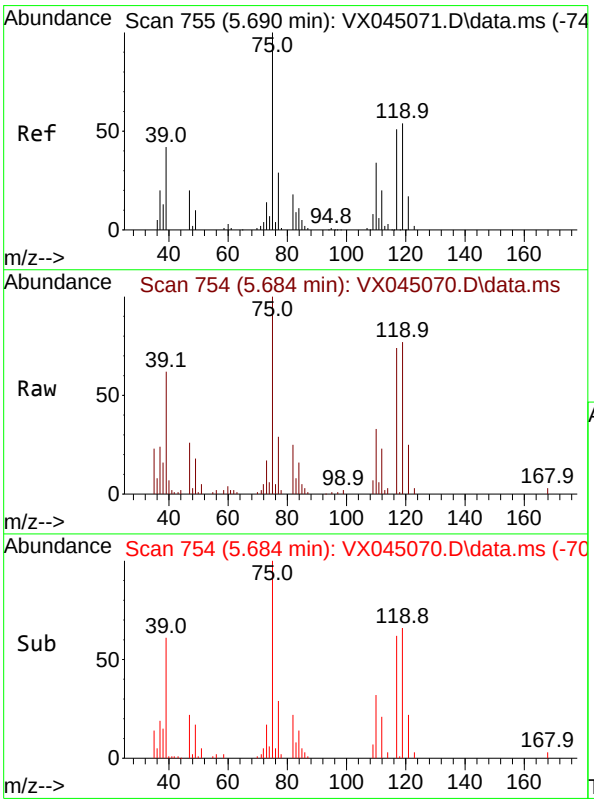
Ion	Ratio	Lower	Upper
113	100		
111	102.7	81.8	122.6
192	17.2	14.3	21.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

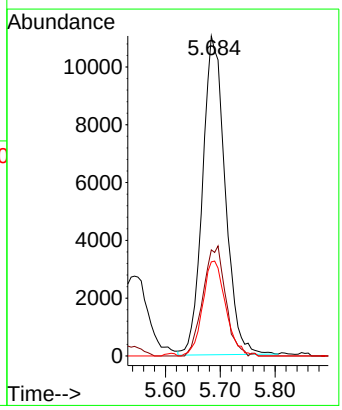
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

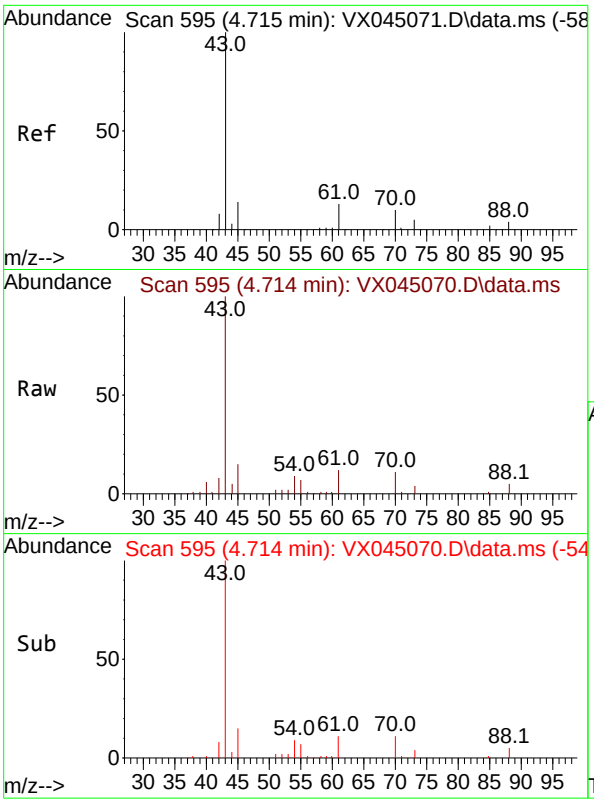


#36
1,1-Dichloropropene
Concen: 18.903 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

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

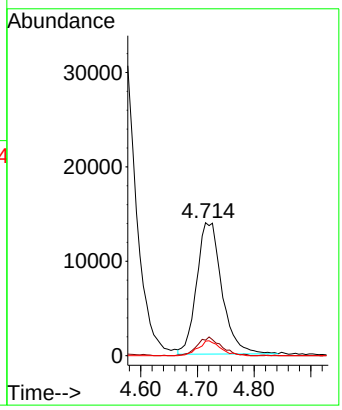




#37
Ethyl Acetate
Concen: 22.714 ug/l
RT: 4.714 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 43 Resp: 4309

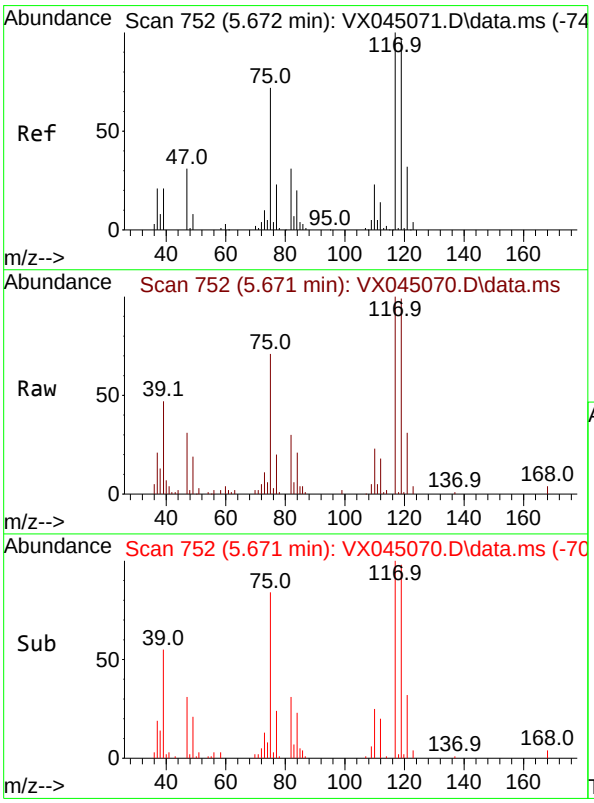
Ion	Ratio	Lower	Upper
43	100		
61	13.4	10.8	16.2
70	10.1	7.7	11.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

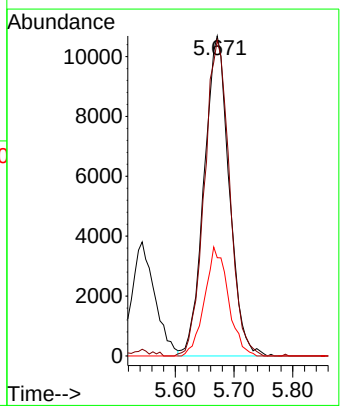
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

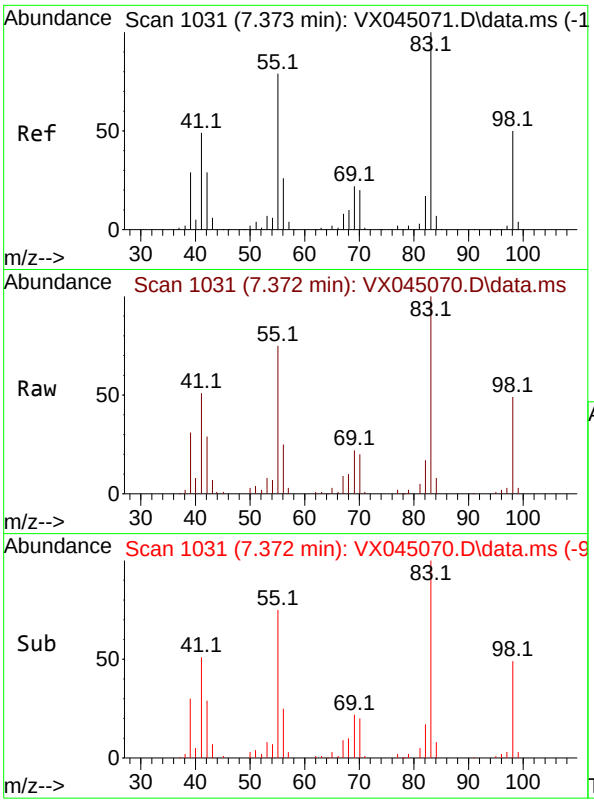


#38
Carbon Tetrachloride
Concen: 19.334 ug/l
RT: 5.671 min Scan# 752
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

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

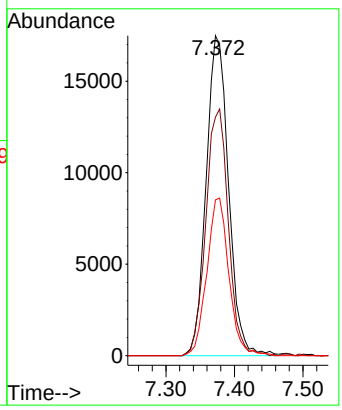




#39
Methylcyclohexane
Concen: 18.676 ug/l
RT: 7.372 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 83 Resp: 3976

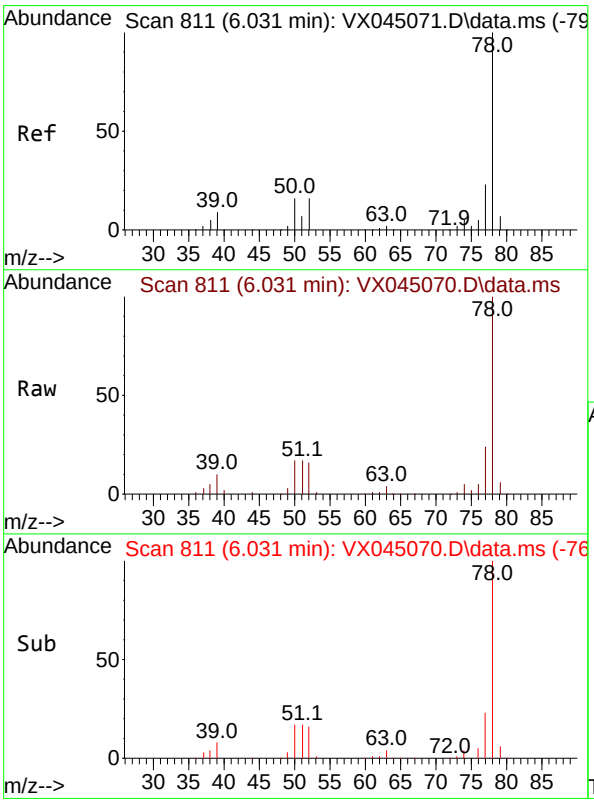
Ion	Ratio	Lower	Upper
83	100		
55	74.6	63.0	94.4
98	48.7	39.7	59.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

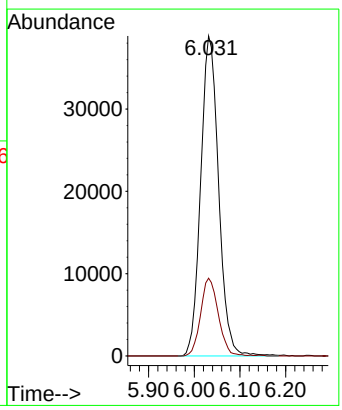
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

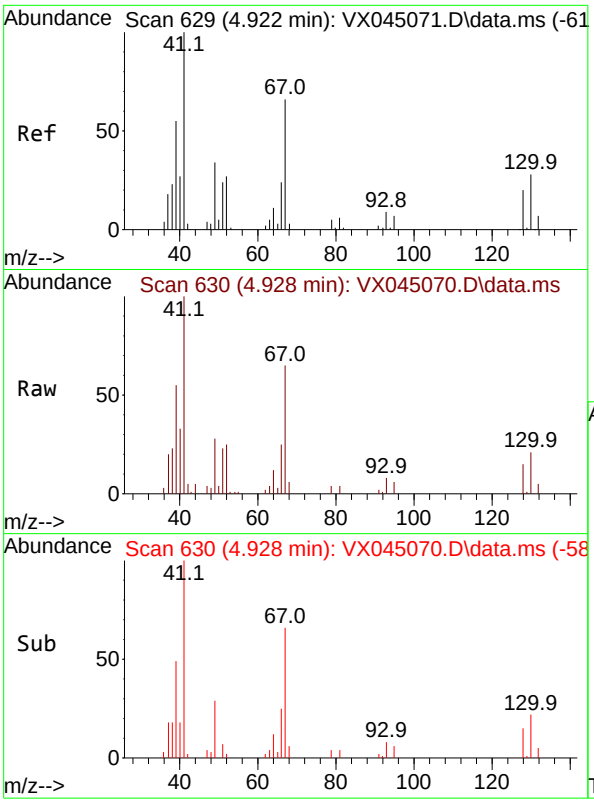


#40
Benzene
Concen: 20.298 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 78 Resp: 105787

Ion	Ratio	Lower	Upper
78	100		
77	24.3	18.8	28.2

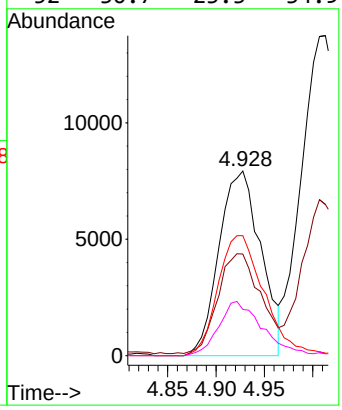




#41
Methacrylonitrile
Concen: 23.605 ug/l
RT: 4.928 min Scan# 6
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 41 Resp: 2392

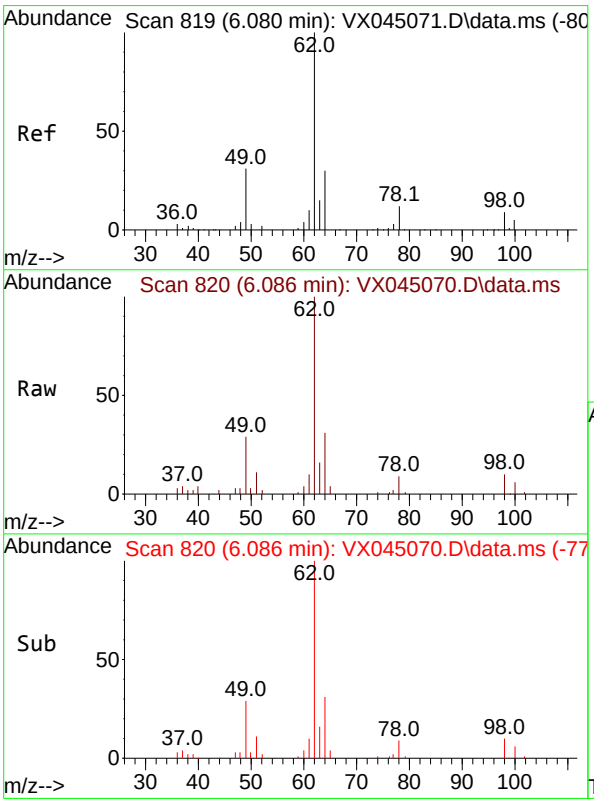
Ion	Ratio	Lower	Upper
41	100		
39	55.3	44.6	67.0
67	71.6	53.9	80.9
52	30.7	23.3	34.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

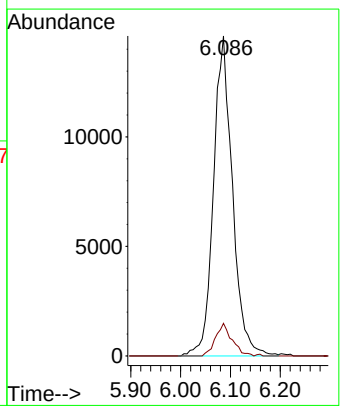
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

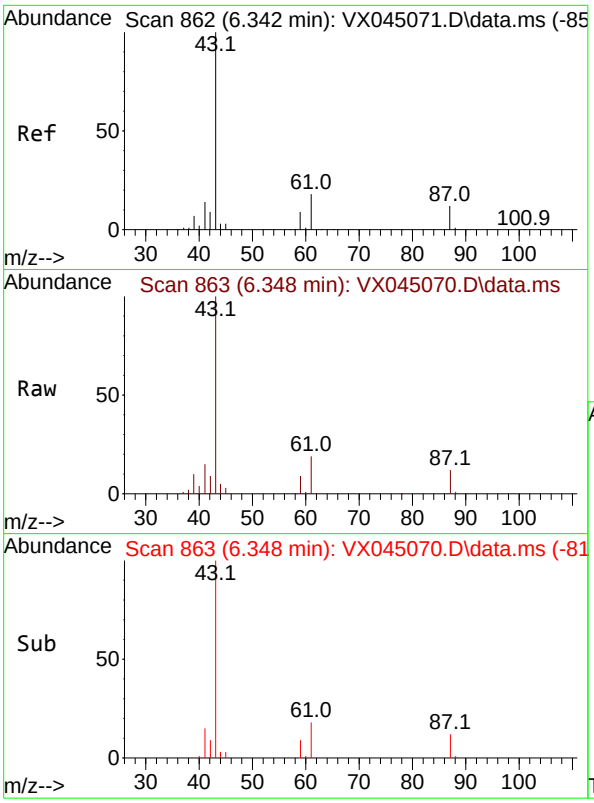


#42
1,2-Dichloroethane
Concen: 22.886 ug/l
RT: 6.086 min Scan# 820
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

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

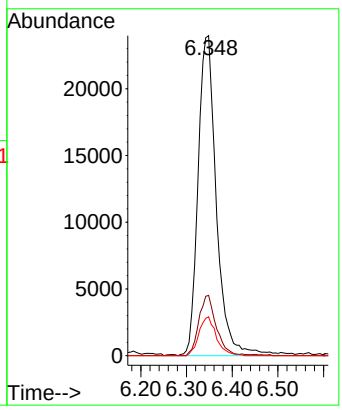
Tgt Ion: 43 Resp: 6672

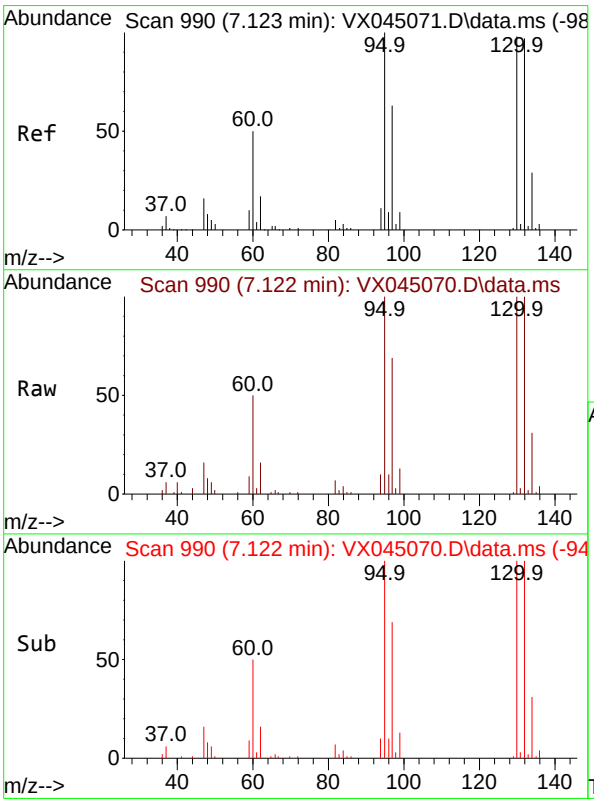
Ion	Ratio	Lower	Upper
43	100		
61	17.8	14.9	22.3
87	11.5	9.4	14.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

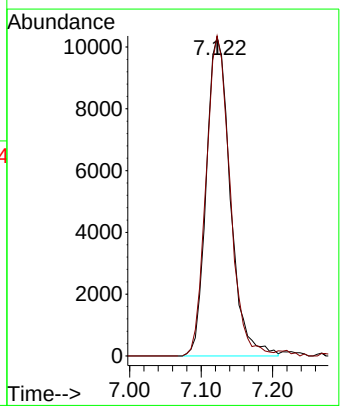


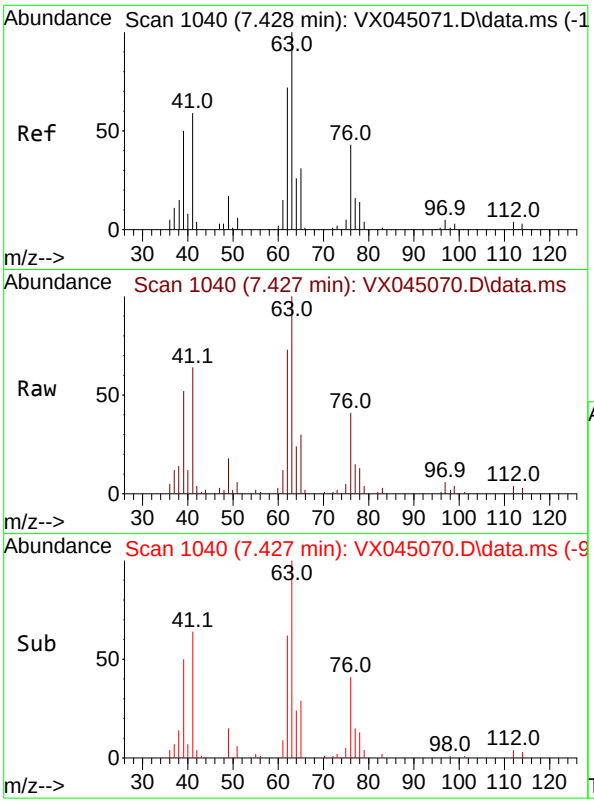


#44
Trichloroethene
Concen: 20.191 ug/l
RT: 7.122 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:130 Resp: 24052

Ion	Ratio	Lower	Upper
130	100		
95	100.3	0.0	205.0

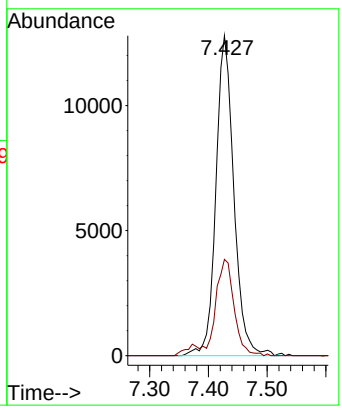




#45
1,2-Dichloropropane
Concen: 20.945 ug/l
RT: 7.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 63 Resp: 2712

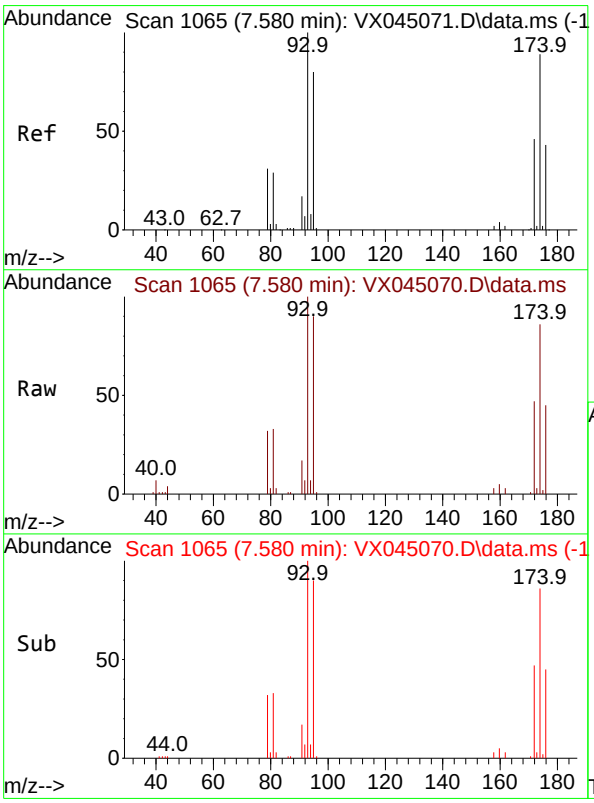
Ion	Ratio	Lower	Upper
63	100		
65	30.1	24.7	37.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

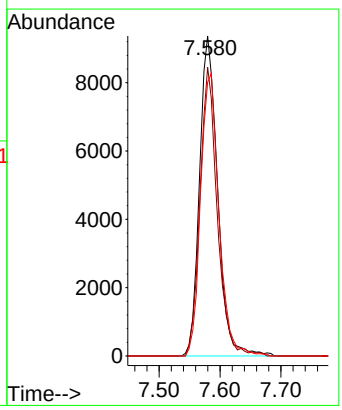
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

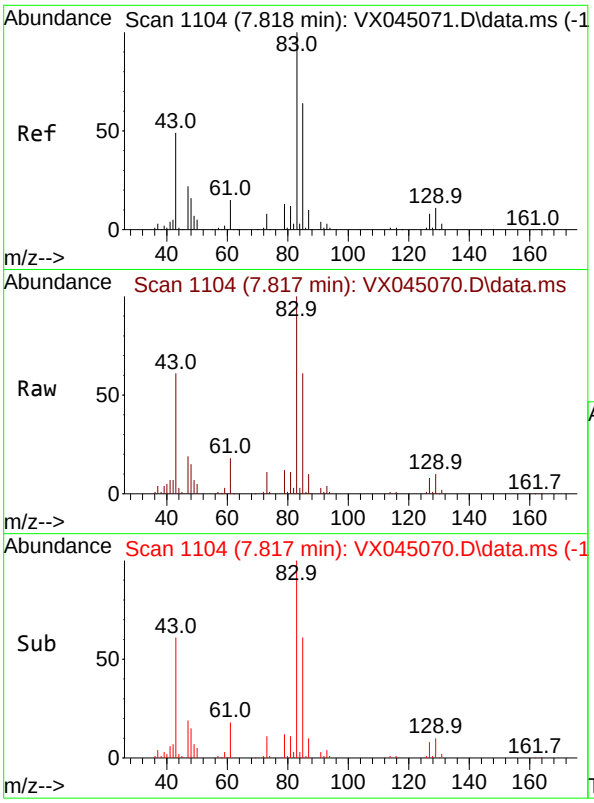


#46
Dibromomethane
Concen: 21.357 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

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

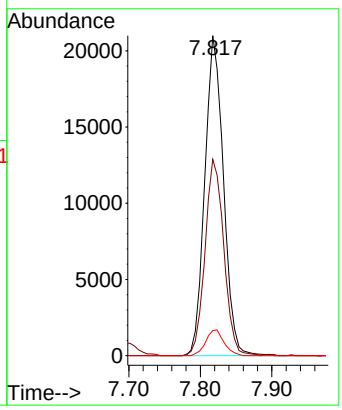




#47
Bromodichloromethane
Concen: 21.732 ug/l
RT: 7.817 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 83 Resp: 3803

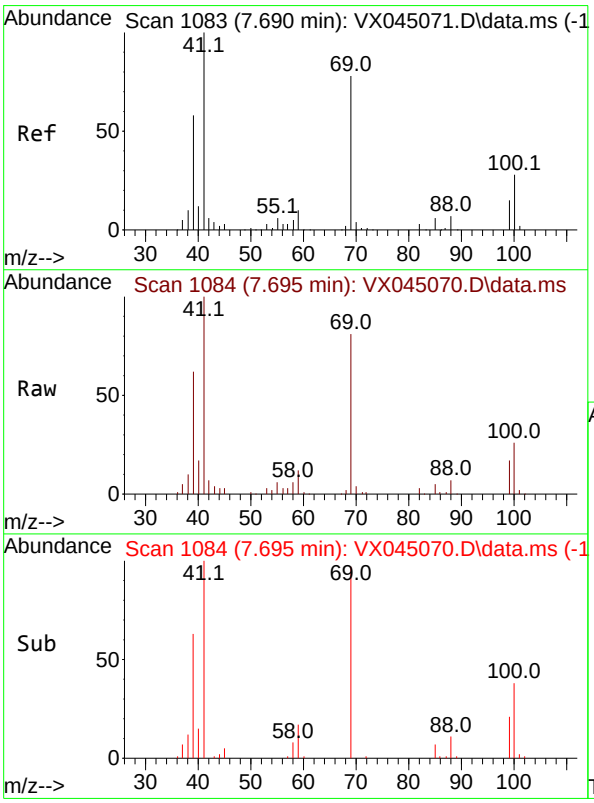
Ion	Ratio	Lower	Upper
83	100		
85	61.3	51.1	76.7
127	7.8	6.4	9.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

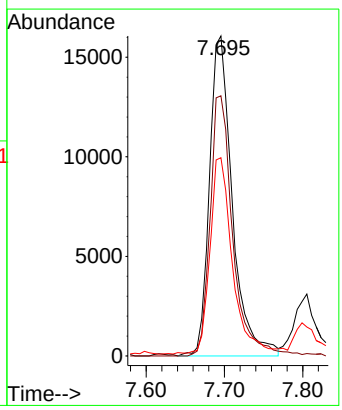
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

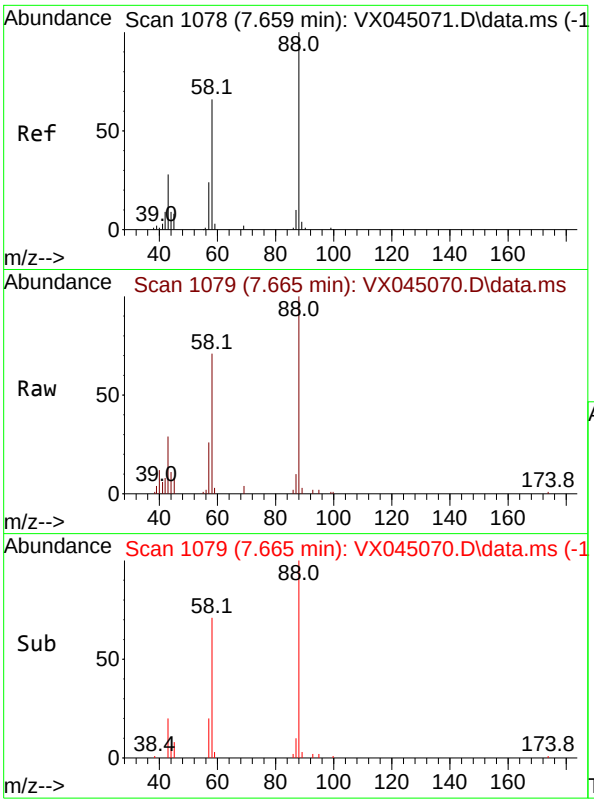


#48
Methyl methacrylate
Concen: 22.757 ug/l
RT: 7.695 min Scan# 1084
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

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

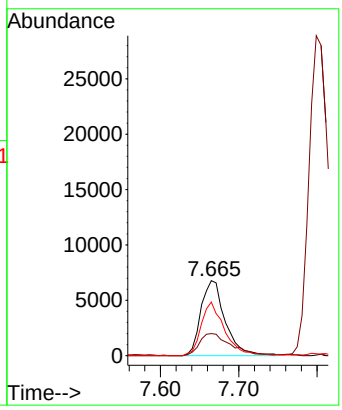




#49
1,4-Dioxane
Concen: 479.170 ug/l
RT: 7.665 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 88 Resp: 1460

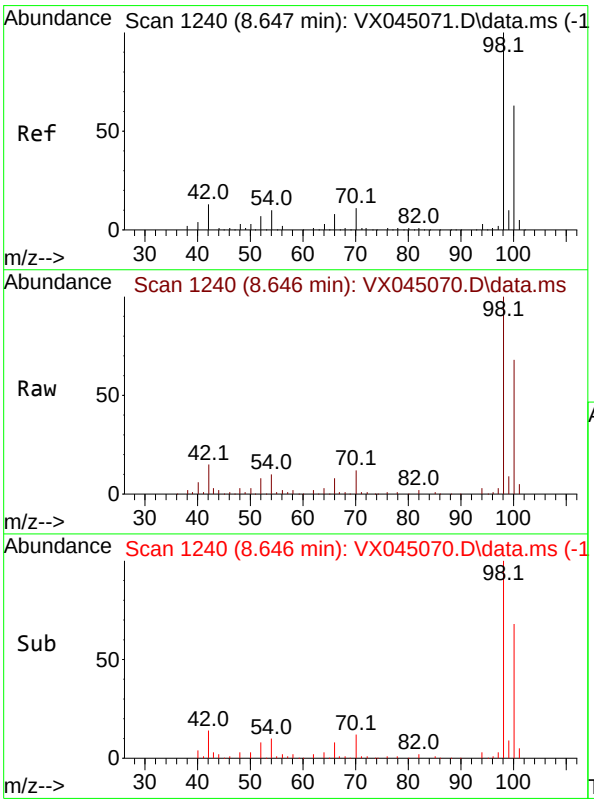
Ion	Ratio	Lower	Upper
88	100		
43	38.7	28.7	43.1
58	68.3	55.8	83.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

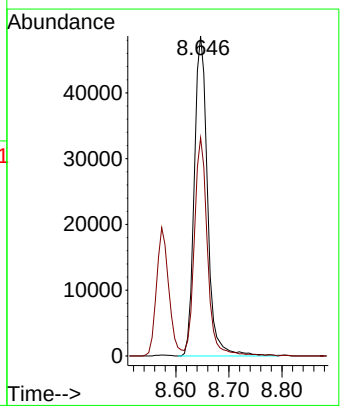
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

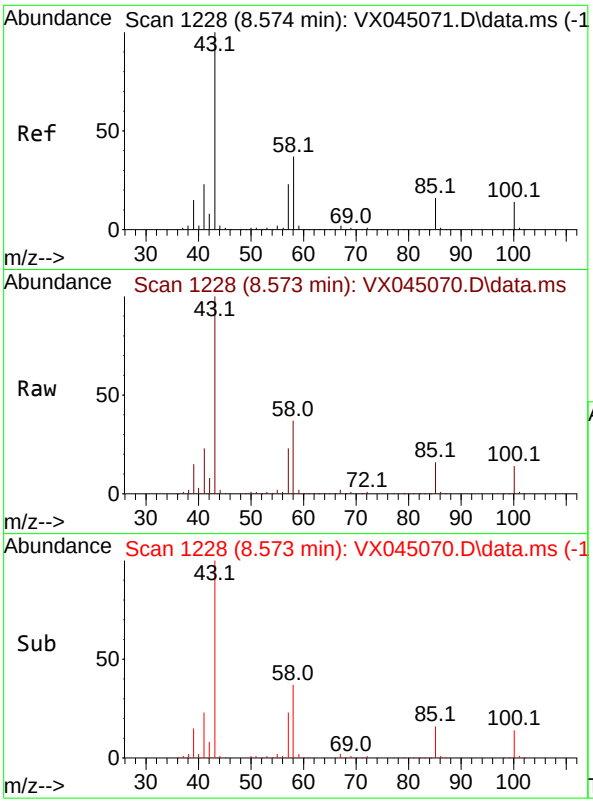


#50
Toluene-d8
Concen: 19.469 ug/l
RT: 8.646 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 98 Resp: 84516

Ion	Ratio	Lower	Upper
98	100		
100	67.2	52.0	78.0

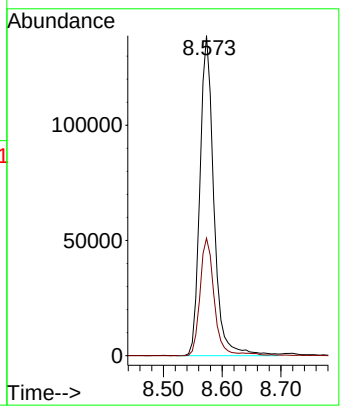




#51
4-Methyl-2-Pentanone
Concen: 124.081 ug/l
RT: 8.573 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 43 Resp: 22961

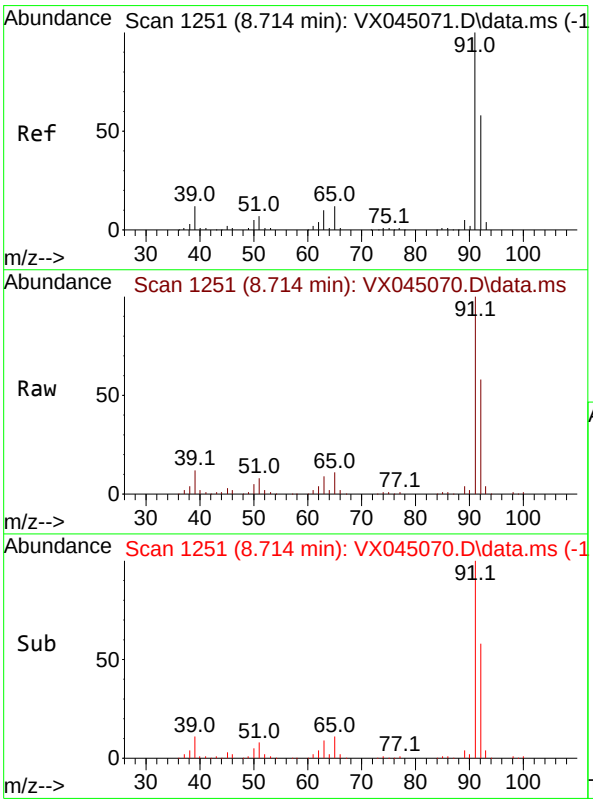
Ion	Ratio	Lower	Upper
43	100		
58	37.5	29.2	43.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

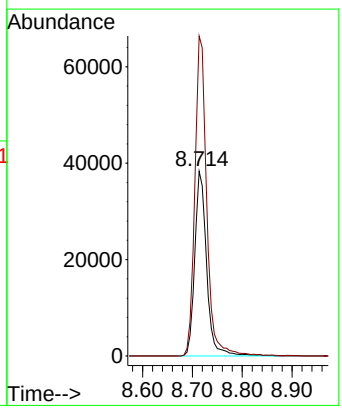
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

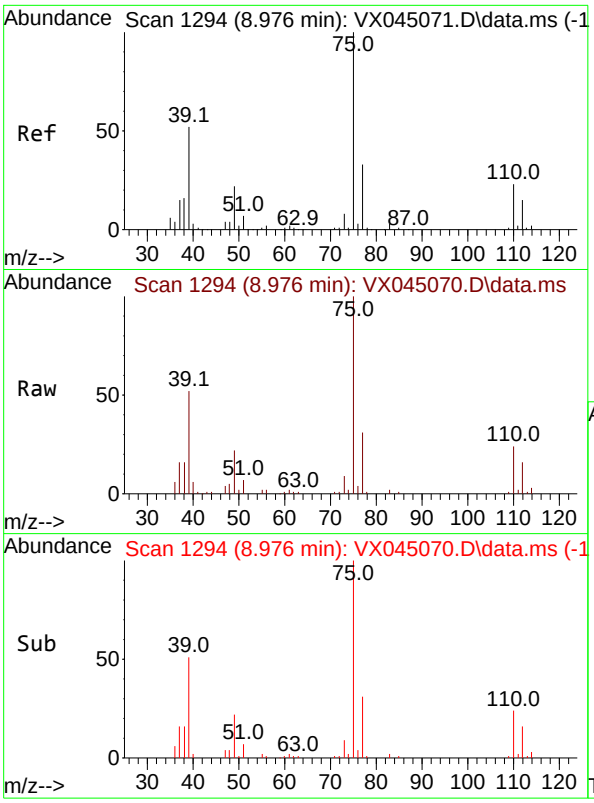


#52
Toluene
Concen: 20.463 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 92 Resp: 63326

Ion	Ratio	Lower	Upper
92	100		
91	173.7	138.9	208.3

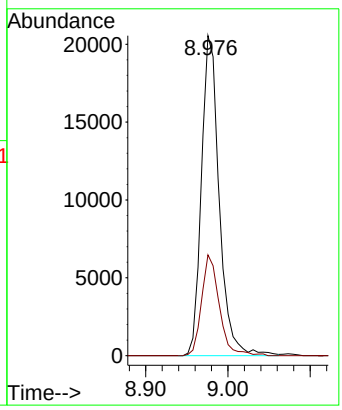




#53
t-1,3-Dichloropropene
Concen: 17.871 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 75 Resp: 3091

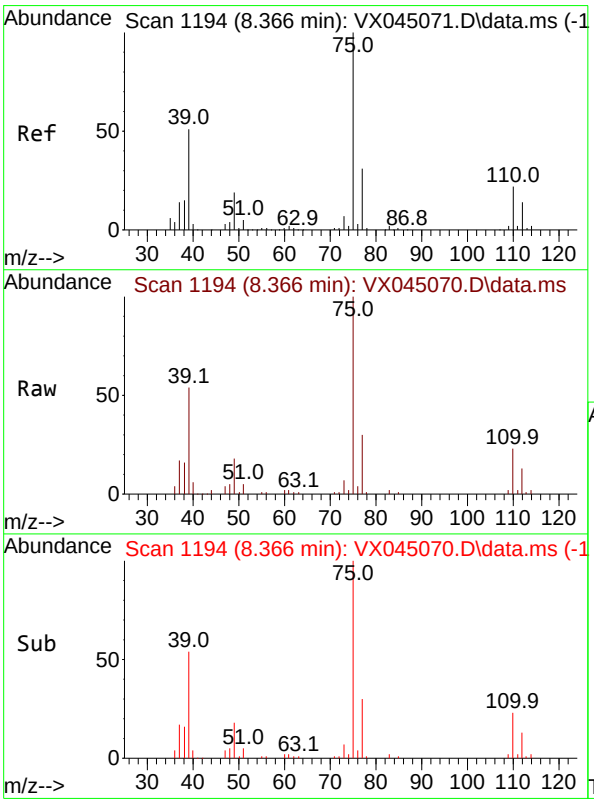
Ion	Ratio	Lower	Upper
75	100		
77	31.5	26.5	39.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

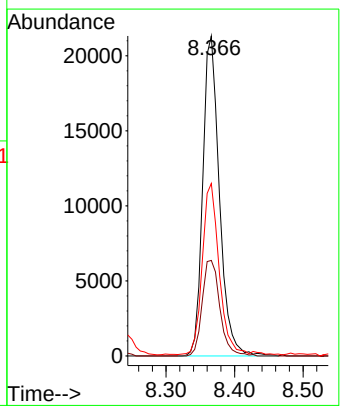
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

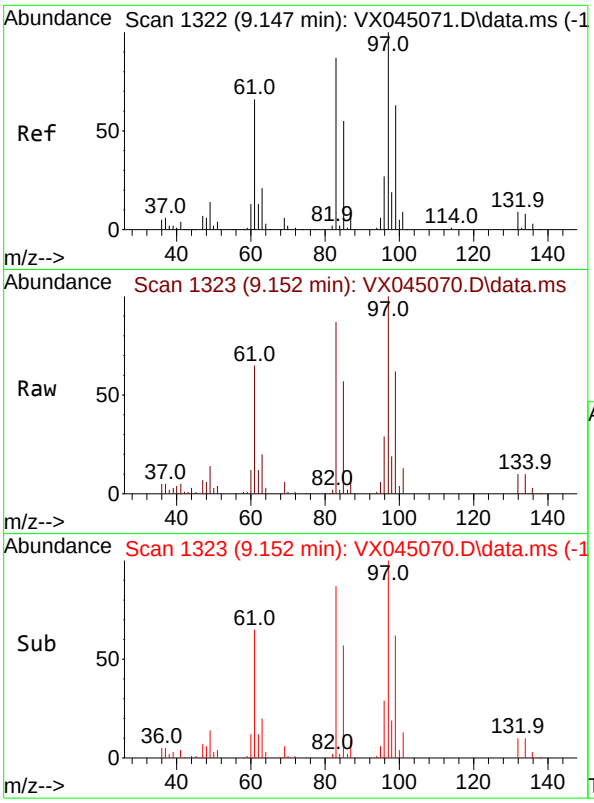


#54
cis-1,3-Dichloropropene
Concen: 18.675 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

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

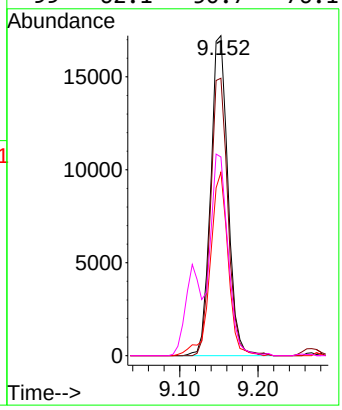




#55
1,1,2-Trichloroethane
Concen: 21.992 ug/l
RT: 9.152 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 97 Resp: 2635

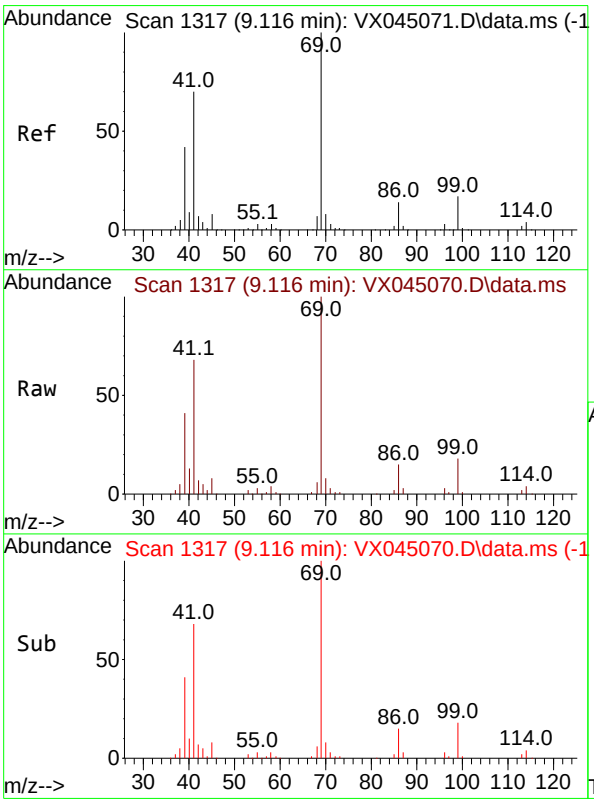
Ion	Ratio	Lower	Upper
97	100		
83	86.7	69.4	104.2
85	57.3	44.1	66.1
99	62.1	50.7	76.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

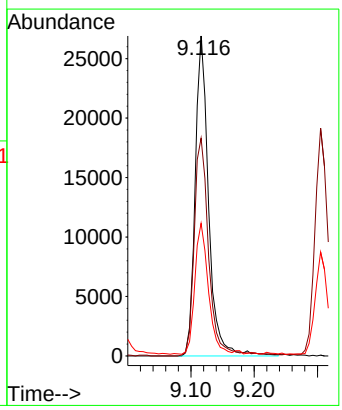
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

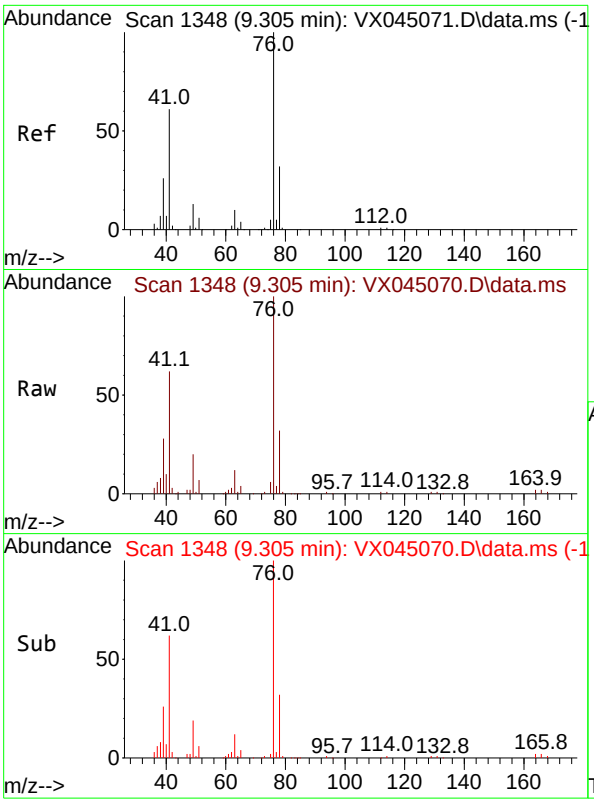


#56
Ethyl methacrylate
Concen: 20.791 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

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

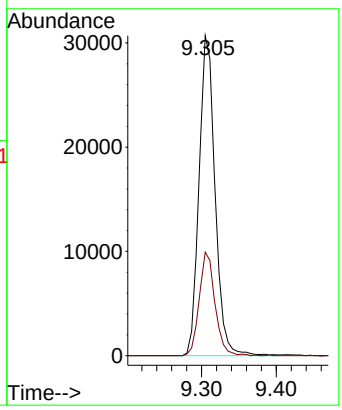




#57
1,3-Dichloropropane
Concen: 21.836 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 76 Resp: 4564

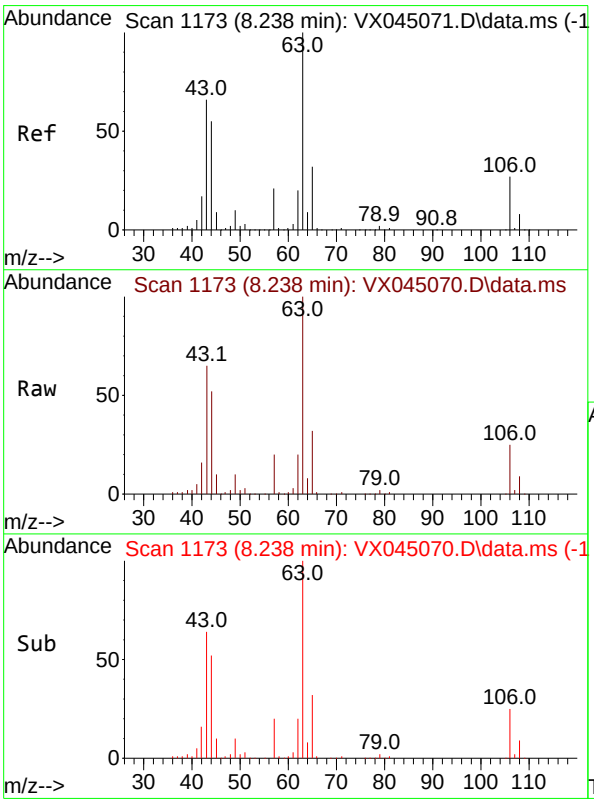
Ion	Ratio	Lower	Upper
76	100		
78	31.9	25.5	38.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

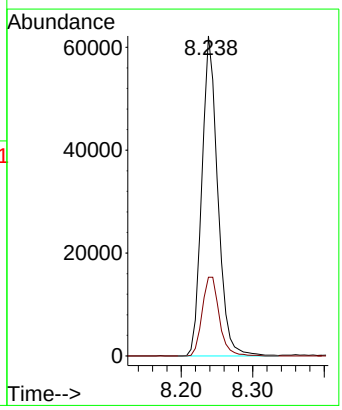
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

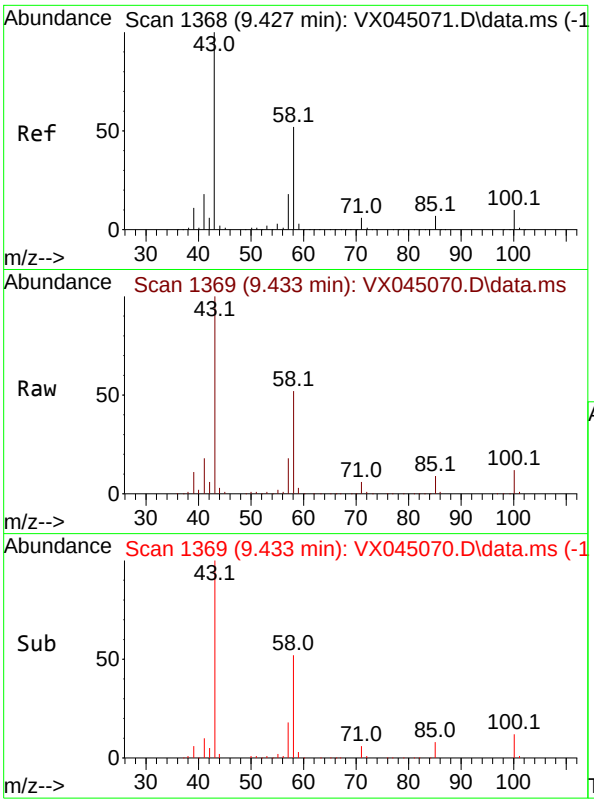


#58
2-Chloroethyl Vinyl ether
Concen: 102.342 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 63 Resp: 96311

Ion	Ratio	Lower	Upper
63	100		
106	26.4	21.5	32.3

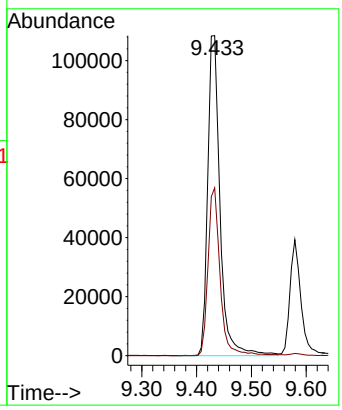




#59
2-Hexanone
Concen: 126.428 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 43 Resp: 16876

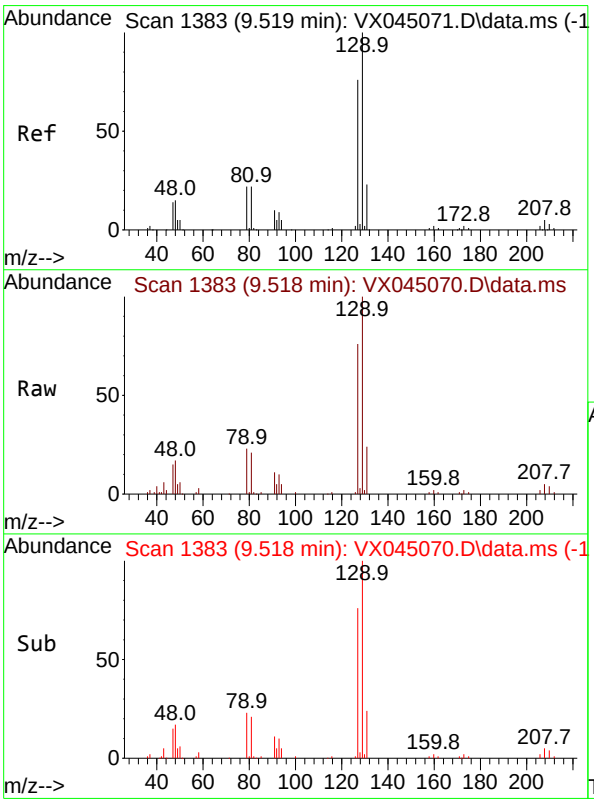
Ion	Ratio	Lower	Upper
43	100		
58	51.6	25.9	77.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

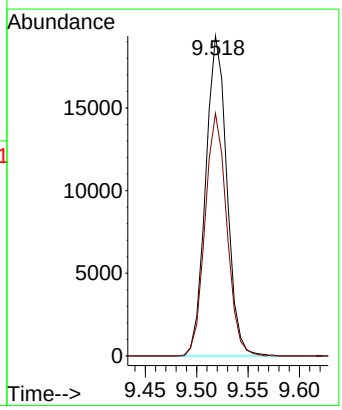
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

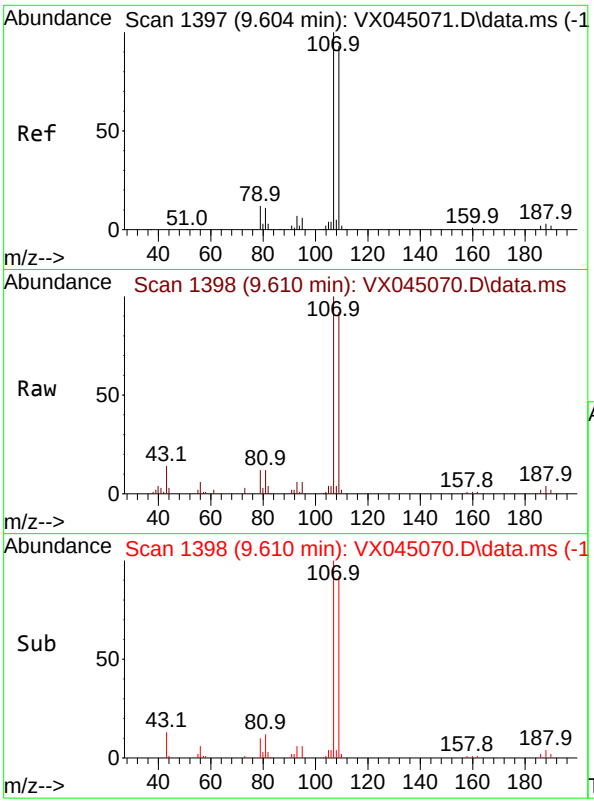


#60
Dibromochloromethane
Concen: 21.668 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:129 Resp: 27705

Ion	Ratio	Lower	Upper
129	100		
127	77.8	38.5	115.5

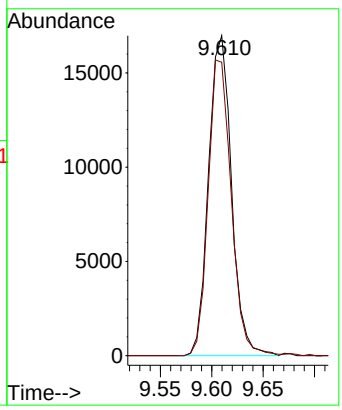




#61
1,2-Dibromoethane
Concen: 21.764 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:107 Resp: 2631

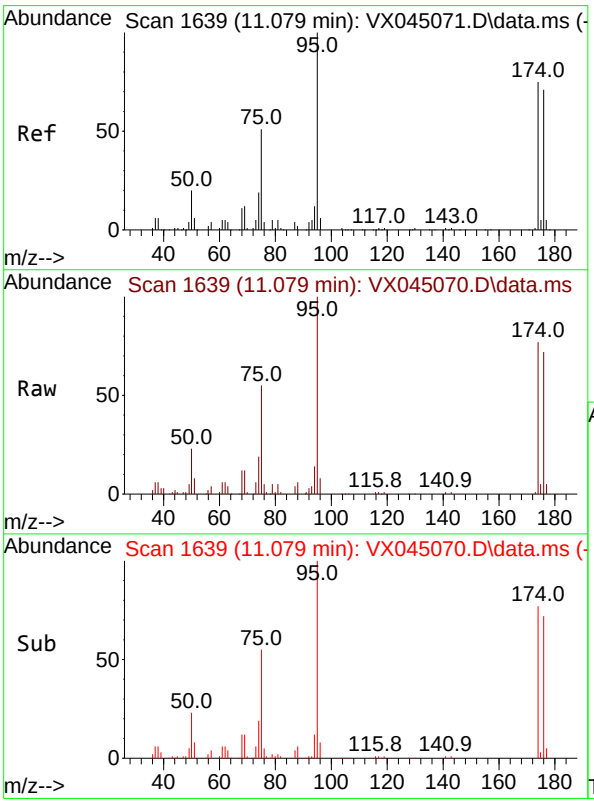
Ion	Ratio	Lower	Upper
107	100		
109	93.3	76.1	114.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

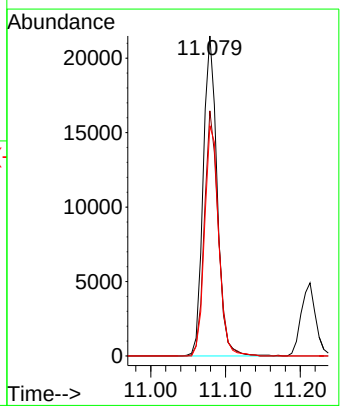
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

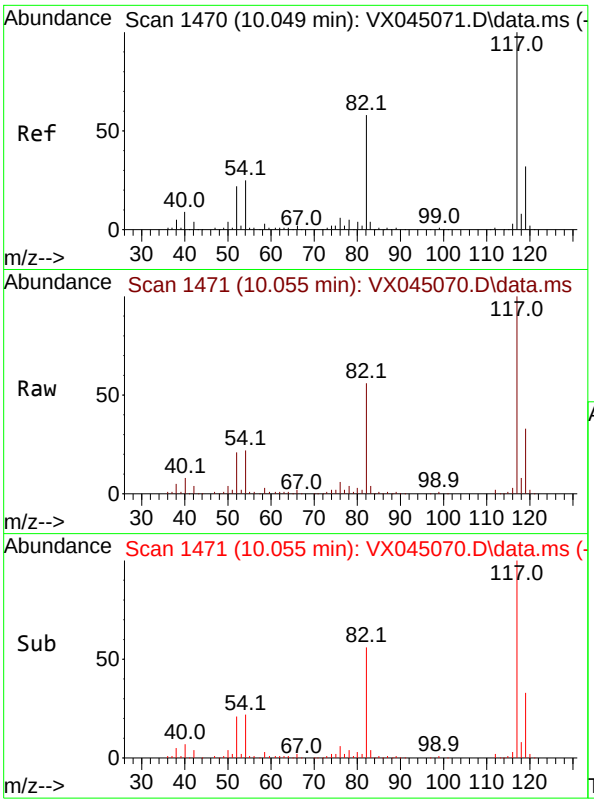


#62
4-Bromofluorobenzene
Concen: 19.215 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

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

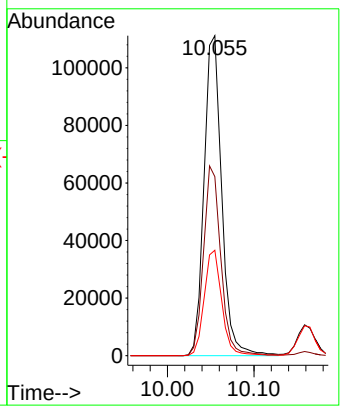




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:117 Resp: 15771

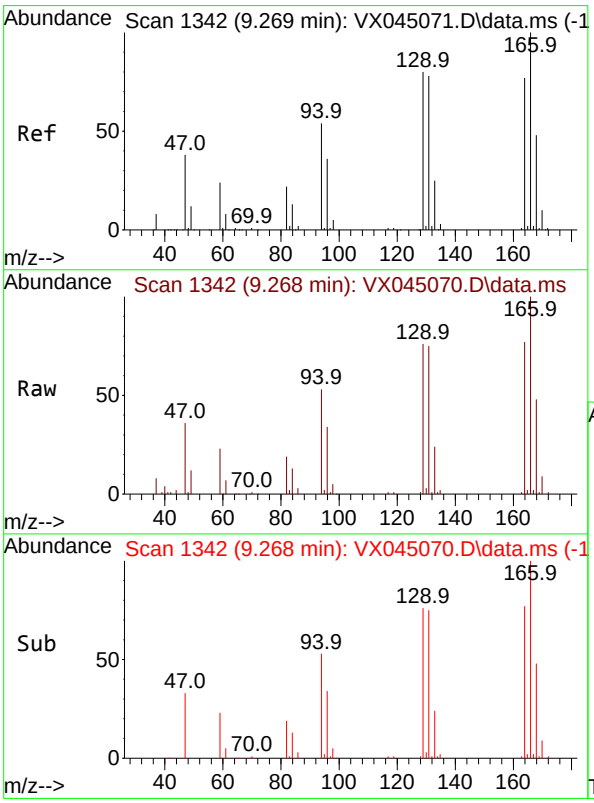
Ion	Ratio	Lower	Upper
117	100		
82	55.9	46.3	69.5
119	33.0	25.7	38.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

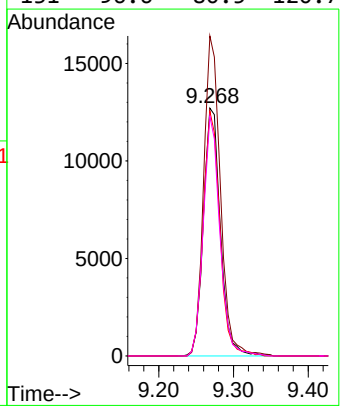
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

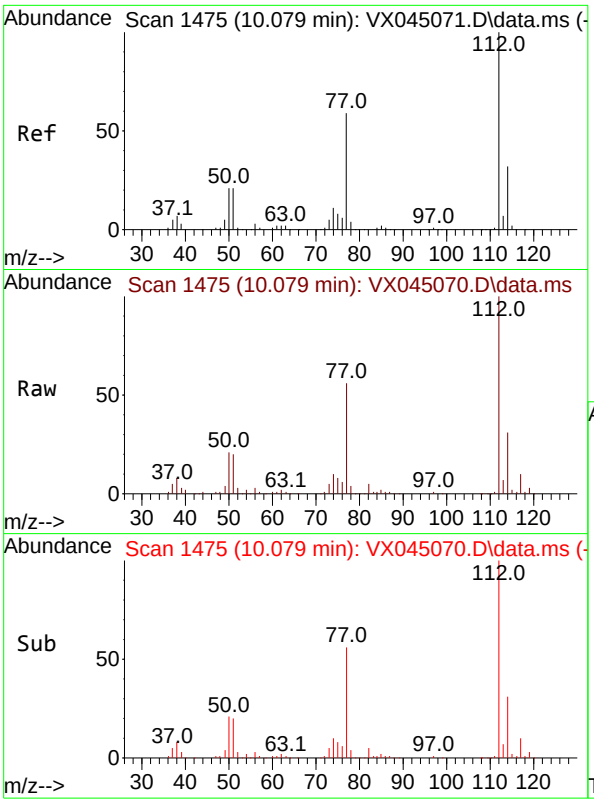


#64
Tetrachloroethene
Concen: 20.102 ug/l
RT: 9.268 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

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

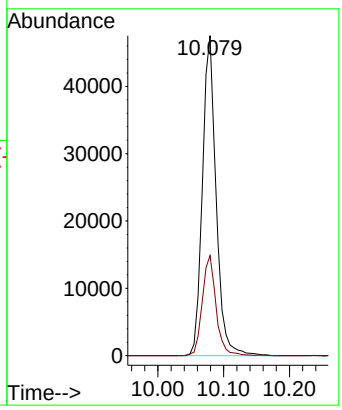




#65
Chlorobenzene
Concen: 20.316 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:112 Resp: 6877

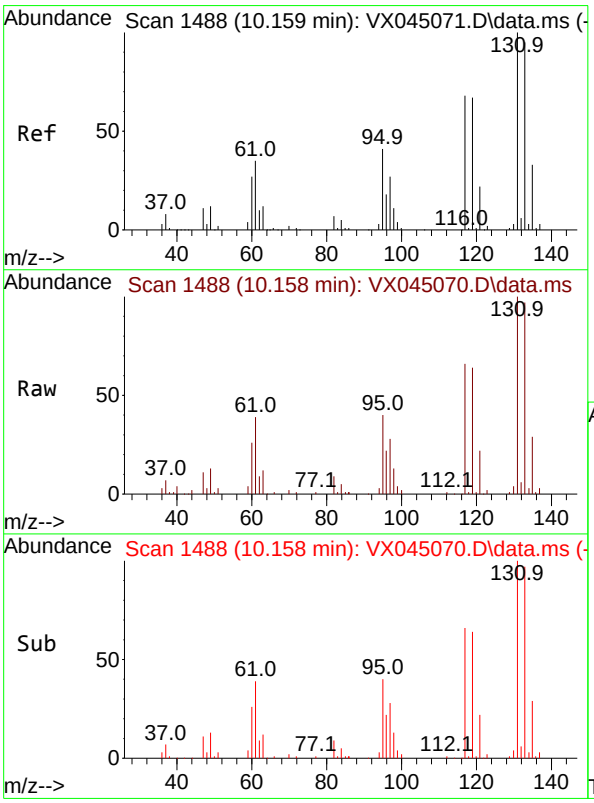
Ion	Ratio	Lower	Upper
112	100		
114	31.3	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

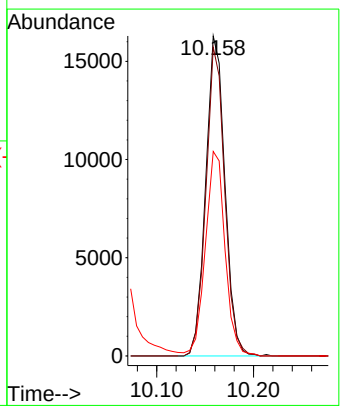
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

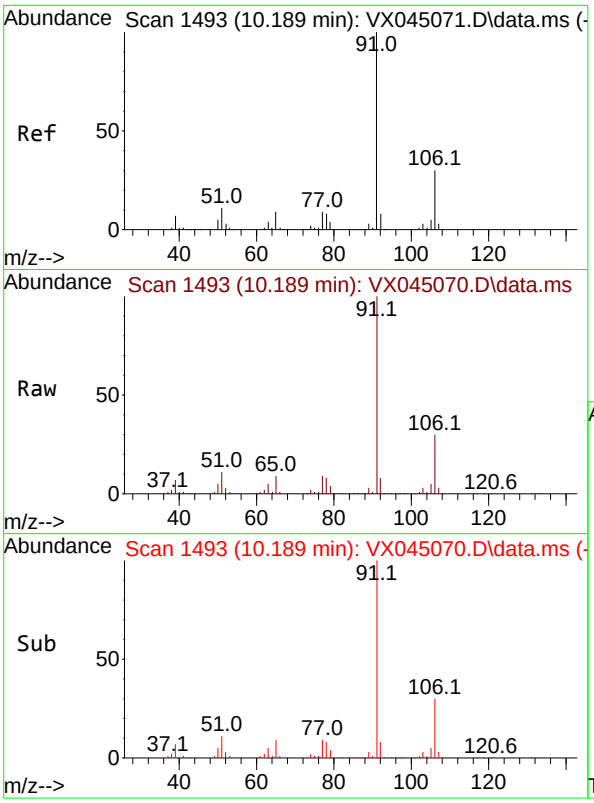


#66
1,1,1,2-Tetrachloroethane
Concen: 20.627 ug/l
RT: 10.158 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

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

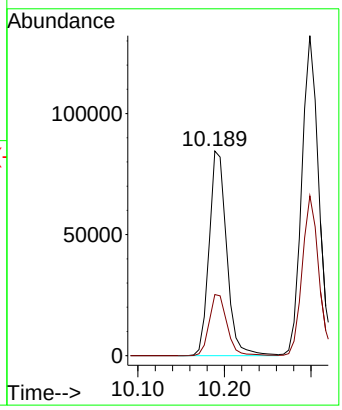




#67
Ethyl Benzene
Concen: 19.905 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 91 Resp: 11916

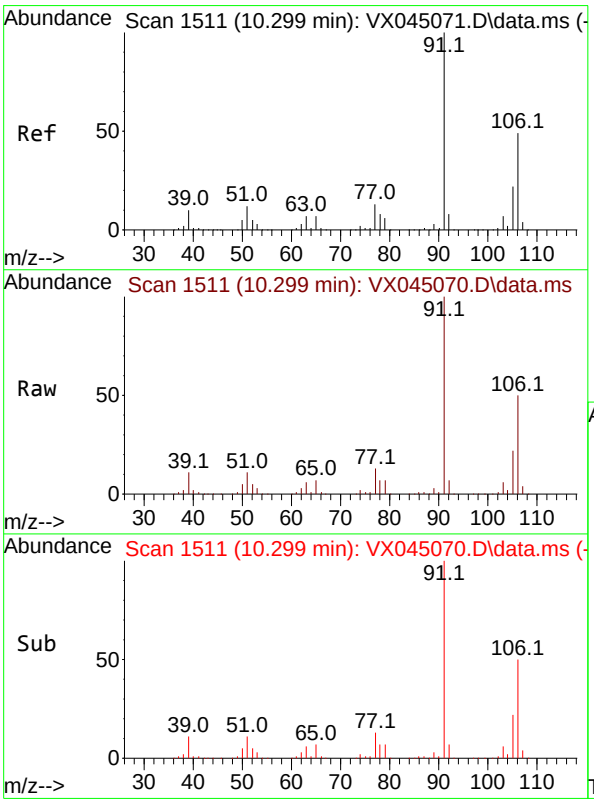
Ion	Ratio	Lower	Upper
91	100		
106	29.9	23.9	35.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

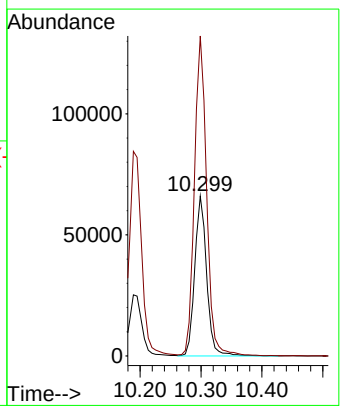
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

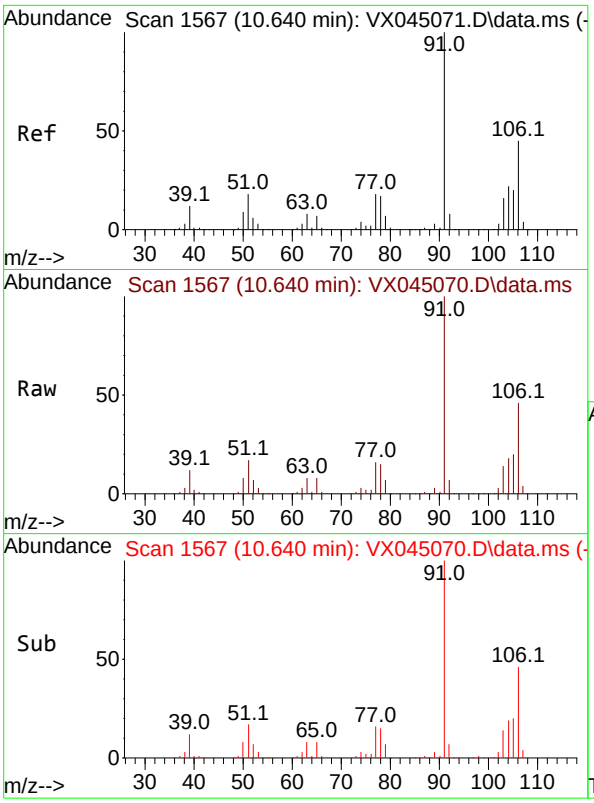


#68
m/p-Xylenes
Concen: 40.699 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:106 Resp: 89735

Ion	Ratio	Lower	Upper
106	100		
91	204.2	165.4	248.0

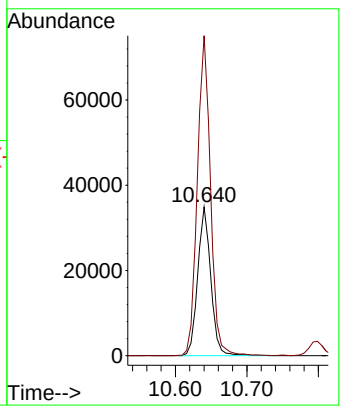




#69
o-Xylene
Concen: 20.018 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:106 Resp: 4428

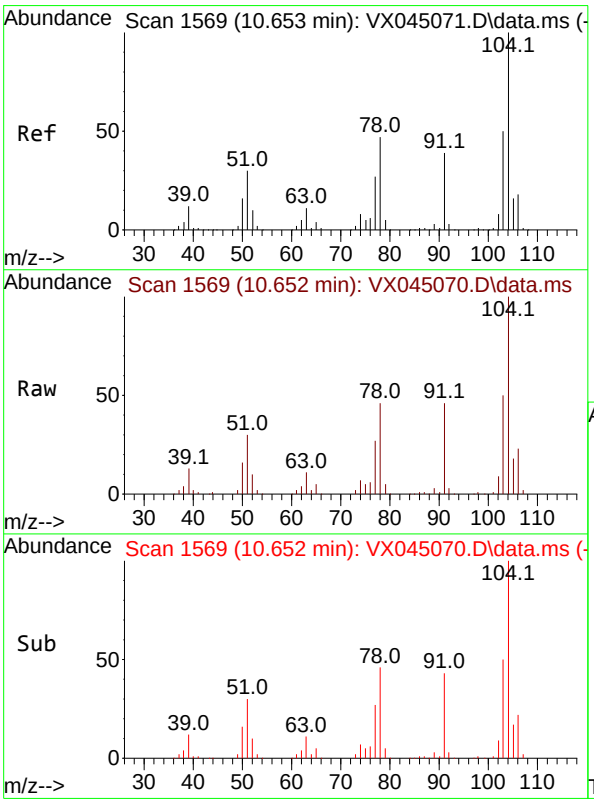
Ion	Ratio	Lower	Upper
106	100		
91	216.8	109.9	329.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

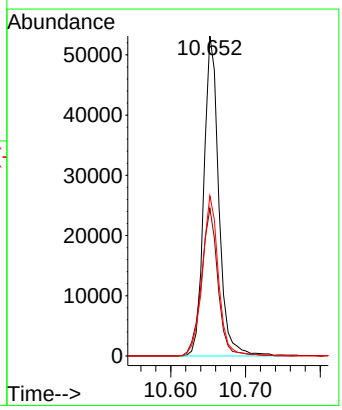
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

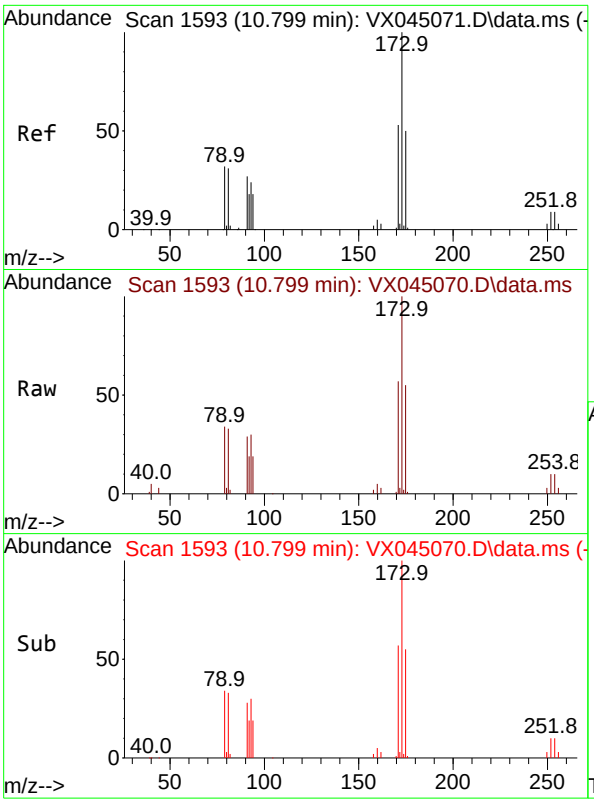


#70
Styrene
Concen: 20.767 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

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

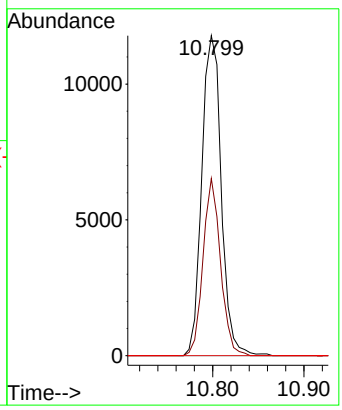




#71
Bromoform
Concen: 21.449 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:173 Resp: 1740

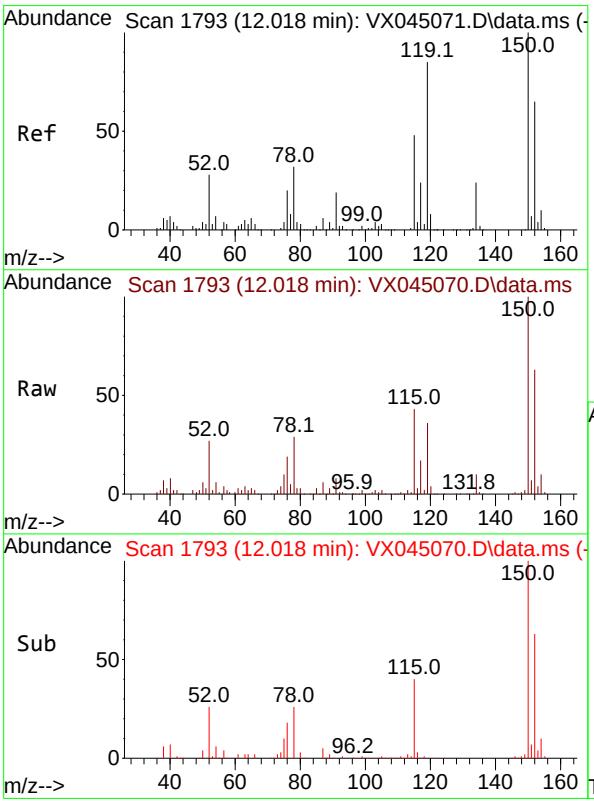
Ion	Ratio	Lower	Upper
173	100		
175	49.7	24.6	73.6
254	0.0	0.0	0.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

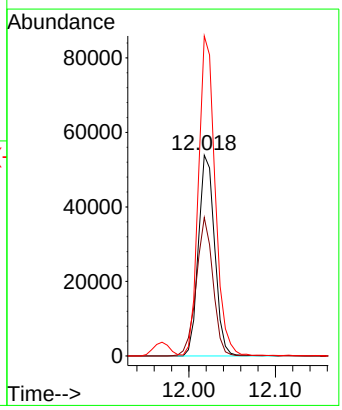
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

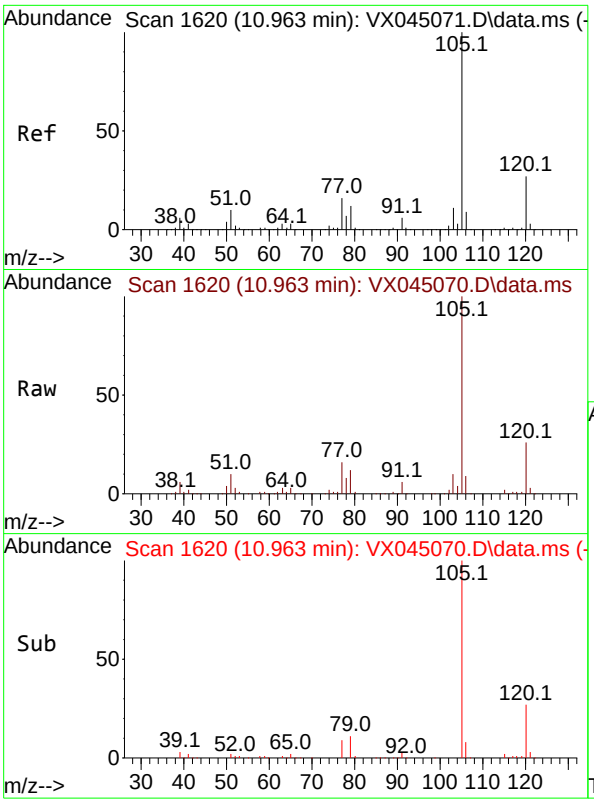


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

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

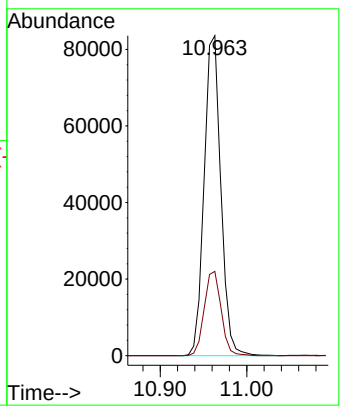




#73
Isopropylbenzene
Concen: 19.794 ug/l
RT: 10.963 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:105 Resp: 11209

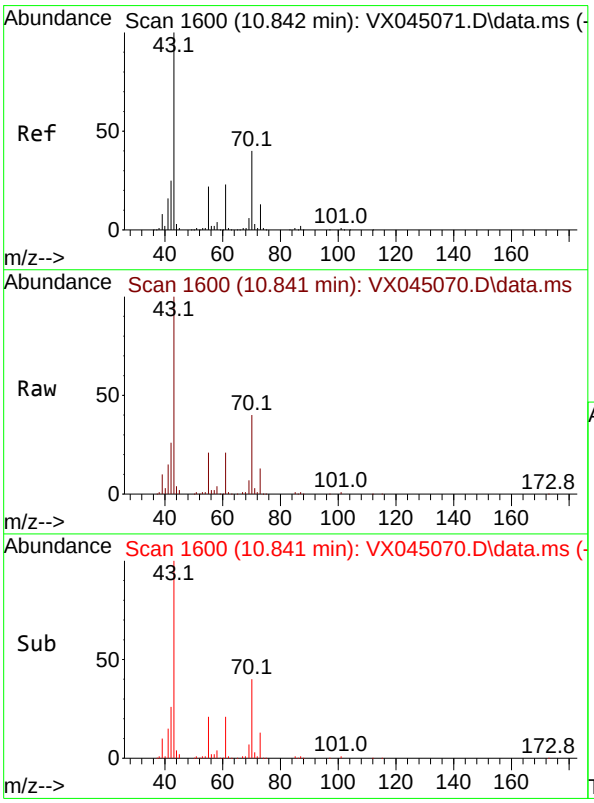
Ion	Ratio	Lower	Upper
105	100		
120	26.7	13.2	39.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

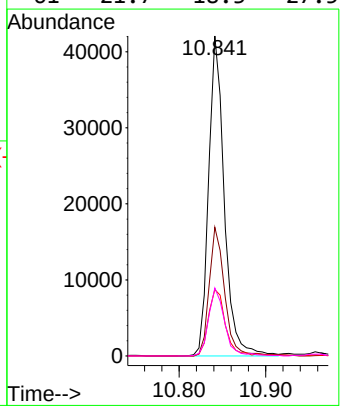
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

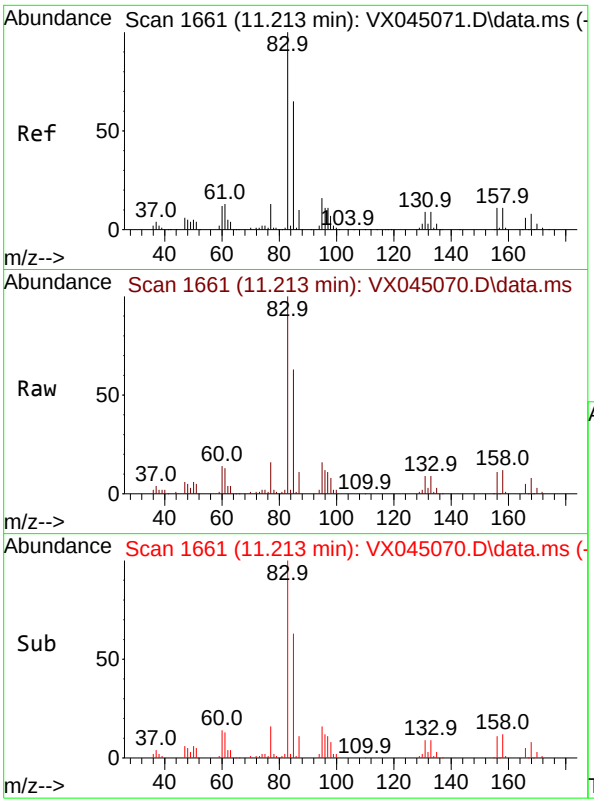


#74
N-amyl acetate
Concen: 20.606 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

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

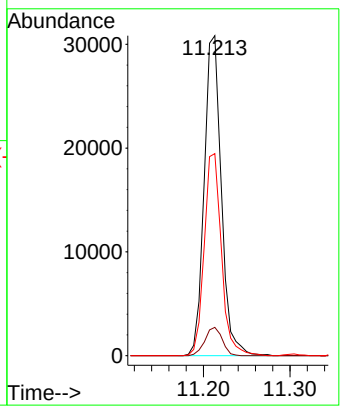




#75
1,1,2,2-Tetrachloroethane
Concen: 21.738 ug/l
RT: 11.213 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 83 Resp: 4241

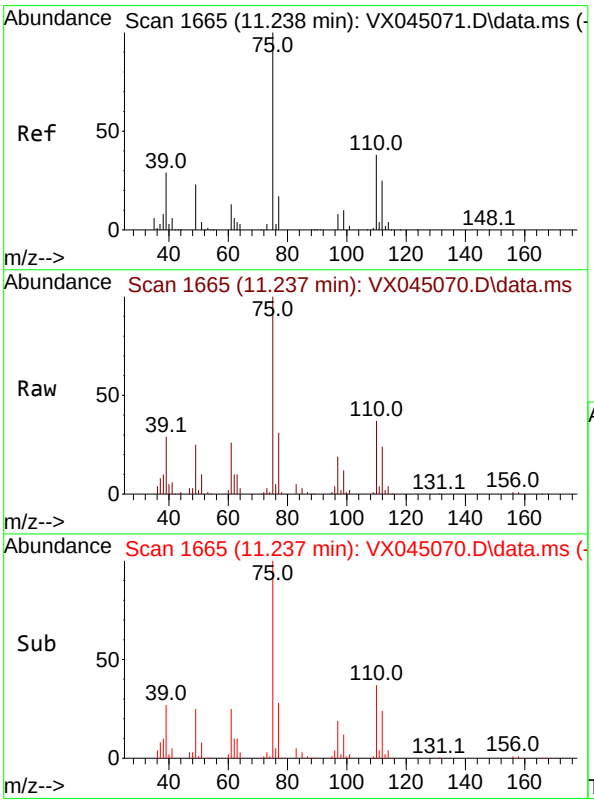
Ion	Ratio	Lower	Upper
83	100		
131	9.0	4.5	13.4
85	63.4	31.7	95.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
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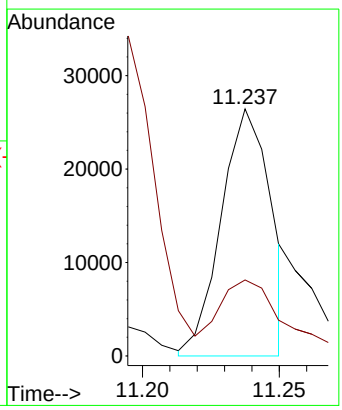
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

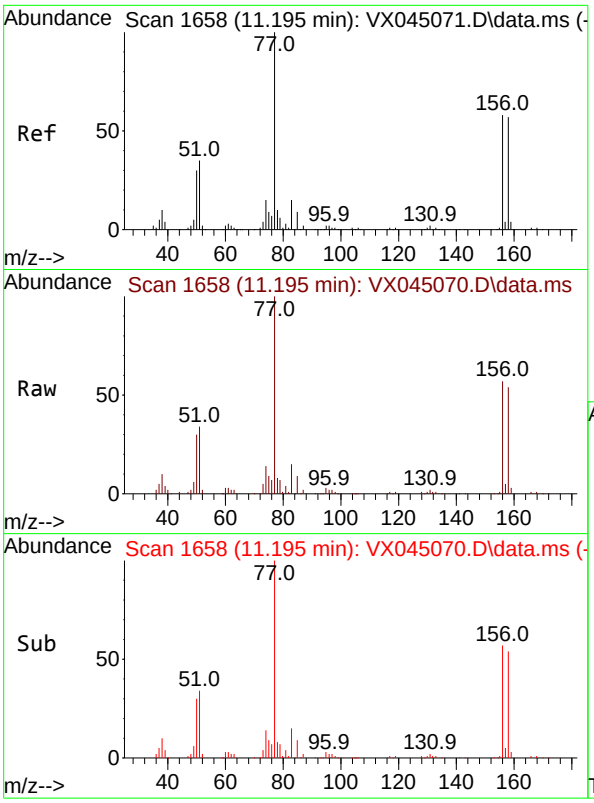


#76
1,2,3-Trichloropropane
Concen: 21.394 ug/l m
RT: 11.237 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 75 Resp: 33440

Ion	Ratio	Lower	Upper
75	100		
77	40.6	20.7	62.1

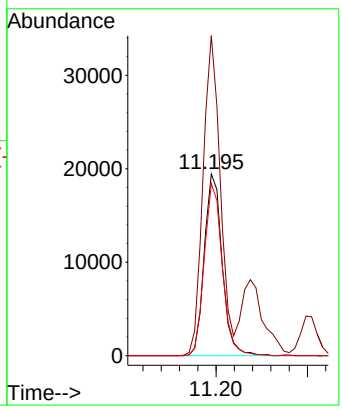




#77
Bromobenzene
Concen: 20.466 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:156 Resp: 2631

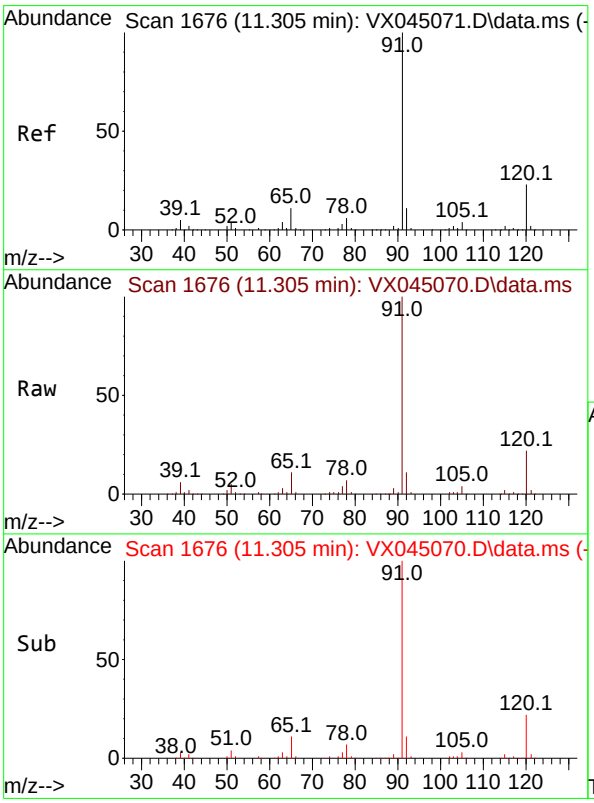
Ion	Ratio	Lower	Upper
156	100		
77	170.2	85.8	257.4
158	95.9	48.4	145.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
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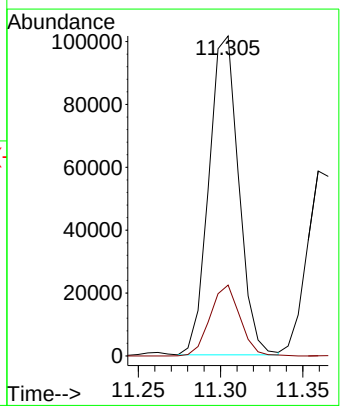
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

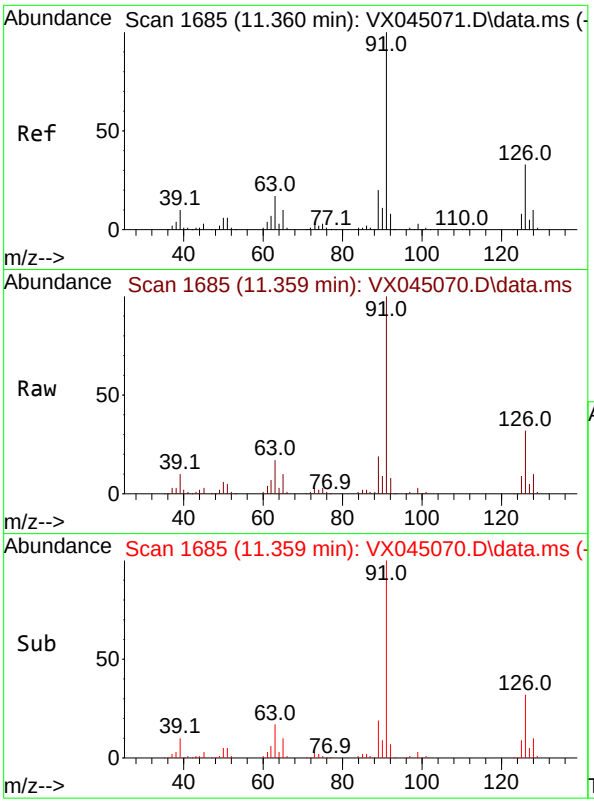


#78
n-propylbenzene
Concen: 19.641 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

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

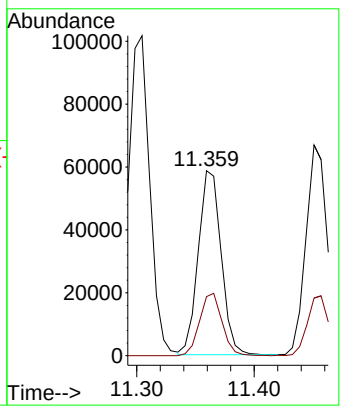
Tgt Ion: 91 Resp: 7927

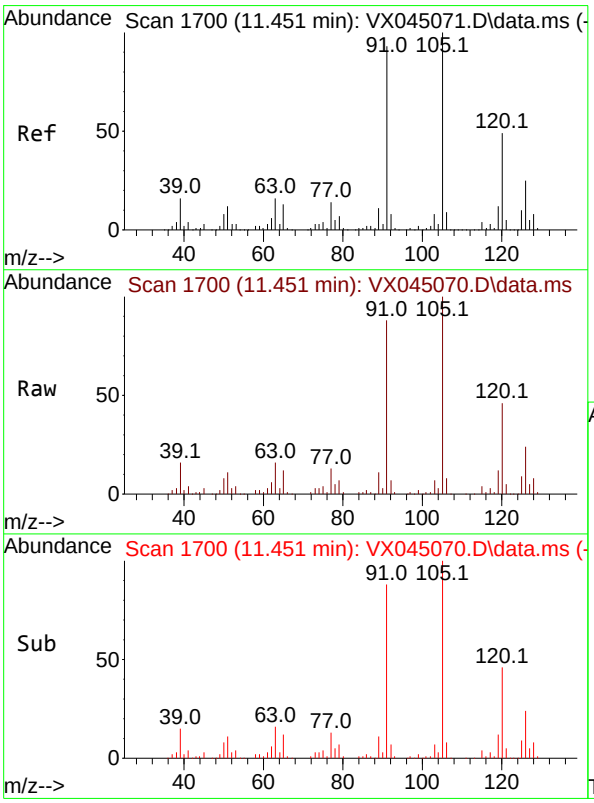
Ion	Ratio	Lower	Upper
91	100		
126	33.1	16.4	49.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
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Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

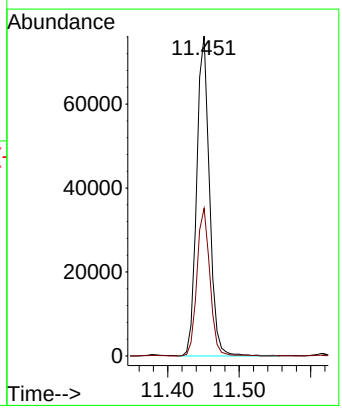


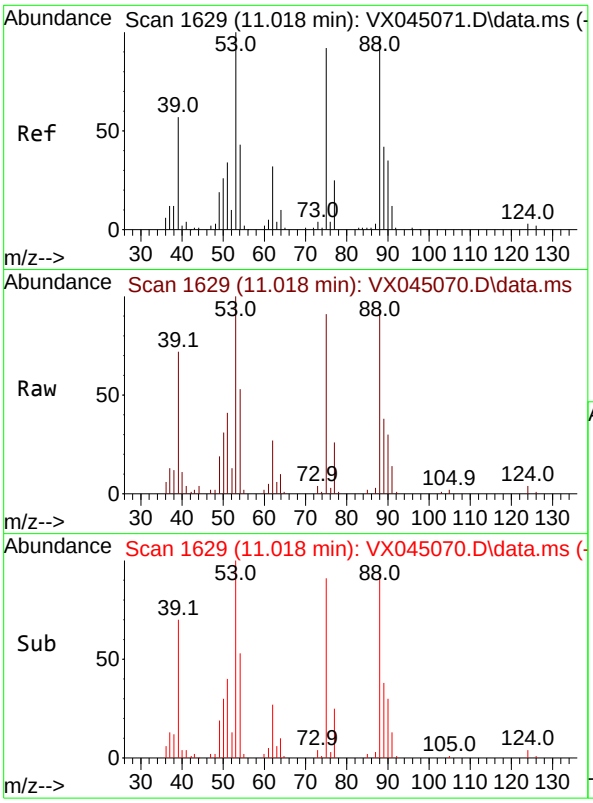


#80
1,3,5-Trimethylbenzene
Concen: 20.581 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

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

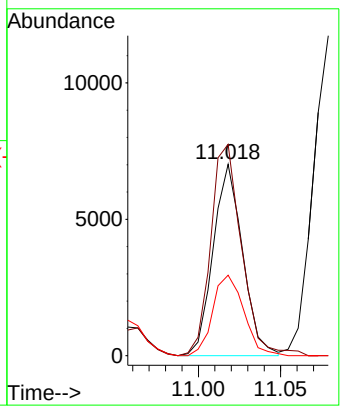
Tgt Ion: 75 Resp: 875

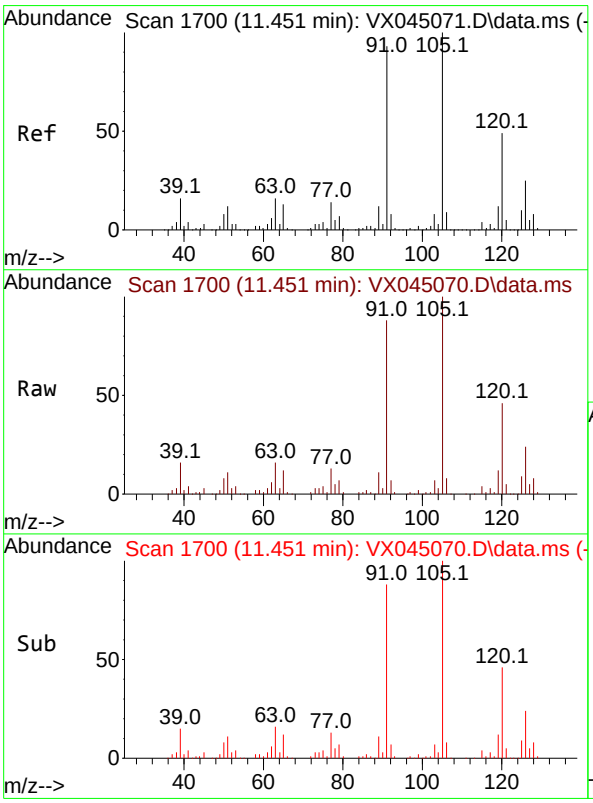
Ion	Ratio	Lower	Upper
75	100		
53	115.4	88.5	132.7
89	44.3	36.2	54.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

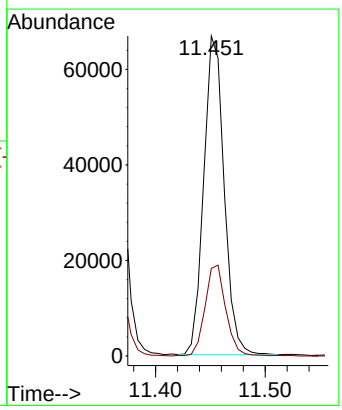


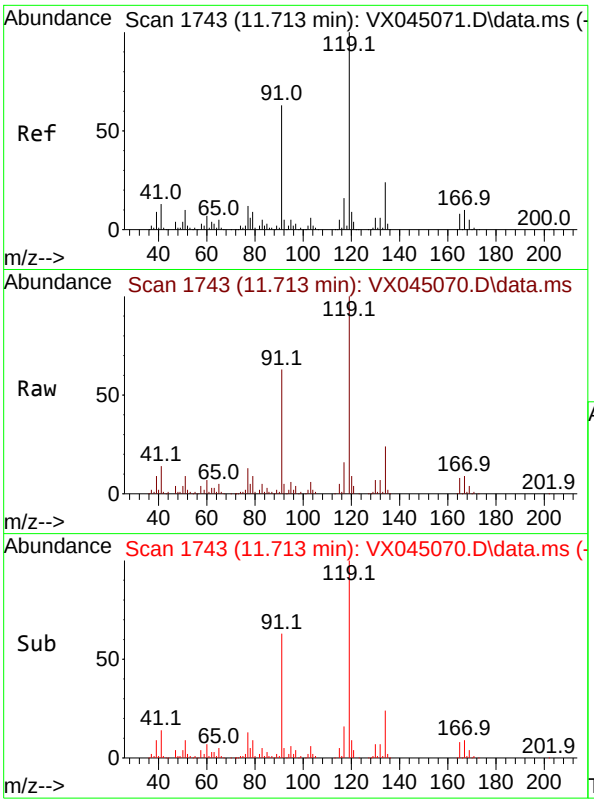


#82
4-Chlorotoluene
Concen: 19.443 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 91 Resp: 86281

Ion	Ratio	Lower	Upper
91	100		
126	29.1	14.1	42.4

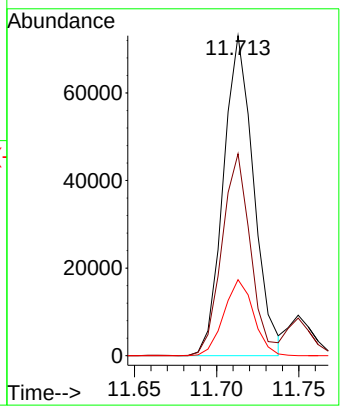




#83
tert-Butylbenzene
Concen: 20.159 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:119 Resp: 9367

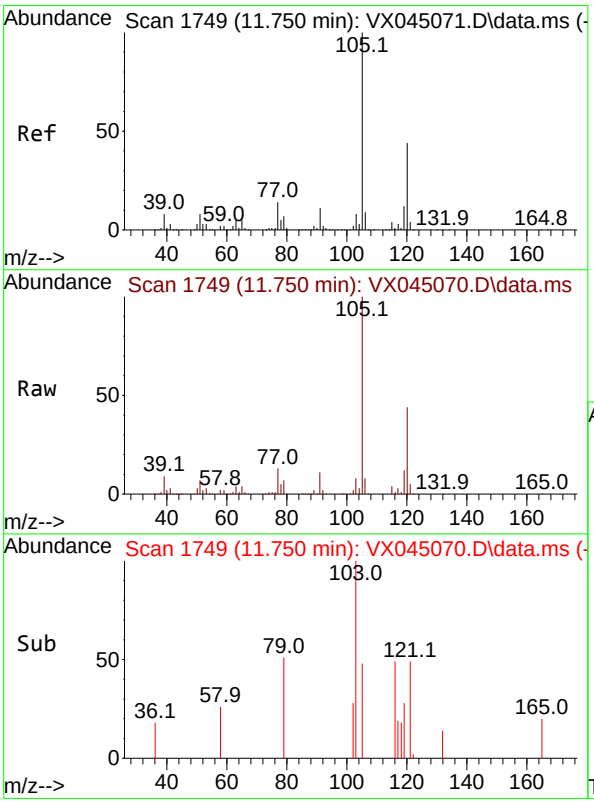
Ion	Ratio	Lower	Upper
119	100		
91	60.0	30.7	92.1
134	23.4	11.7	35.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

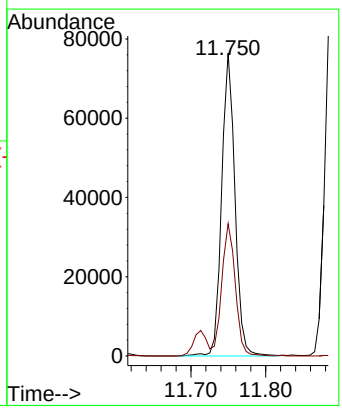
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

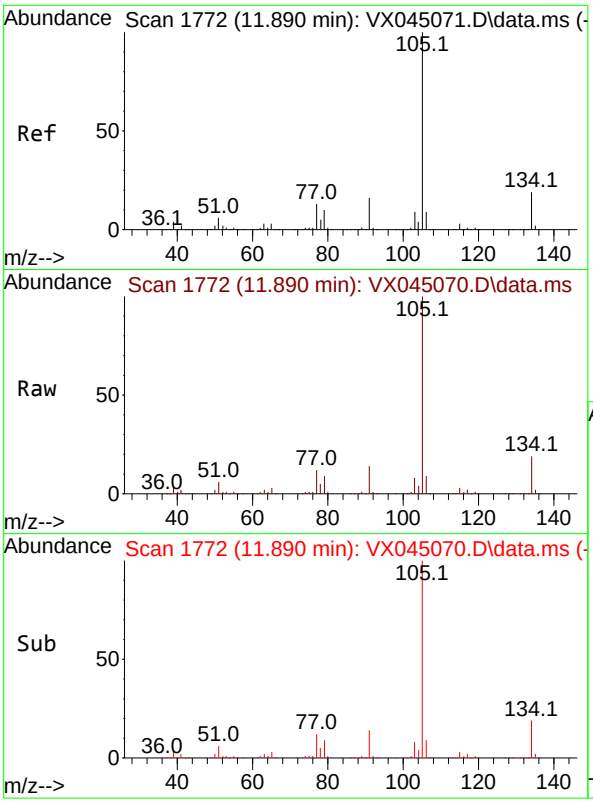


#84
1,2,4-Trimethylbenzene
Concen: 20.943 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

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

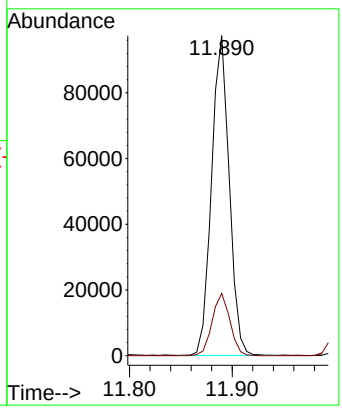
Tgt Ion:105 Resp: 11595

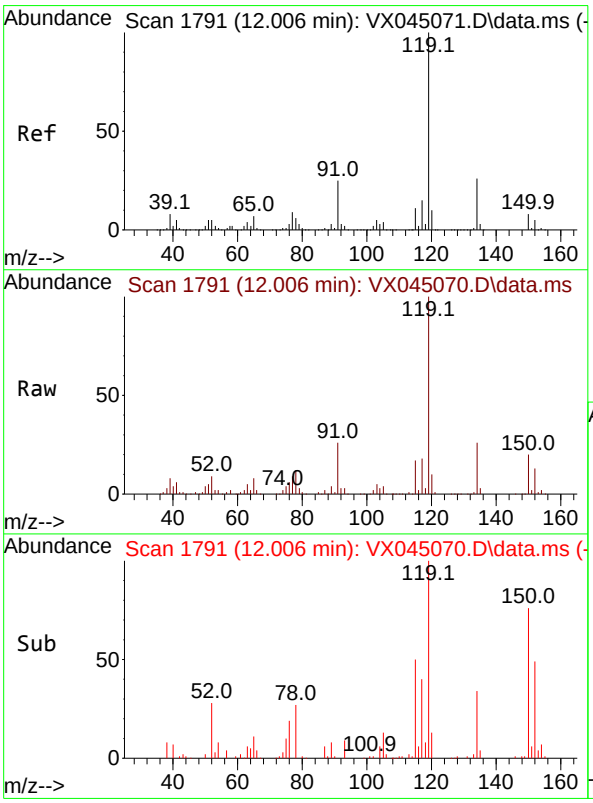
Ion	Ratio	Lower	Upper
105	100		
134	19.6	9.8	29.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

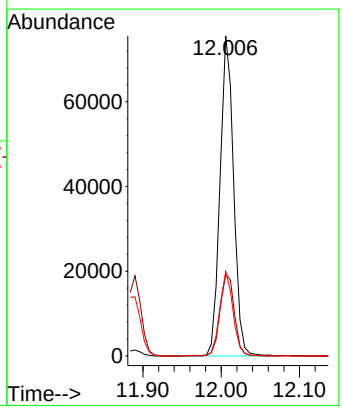


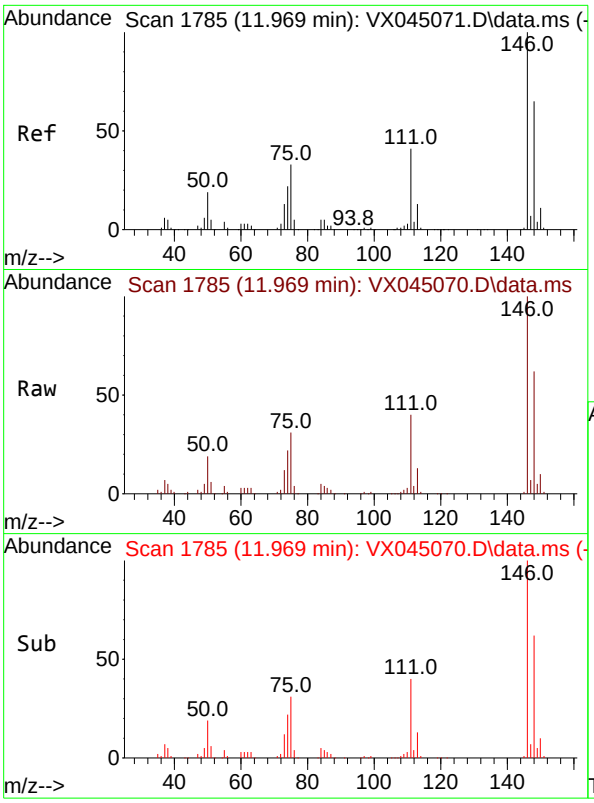


#86
p-Isopropyltoluene
Concen: 19.827 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

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

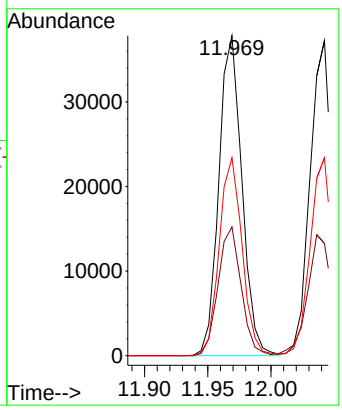




#87
1,3-Dichlorobenzene
Concen: 20.400 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:146 Resp: 4793

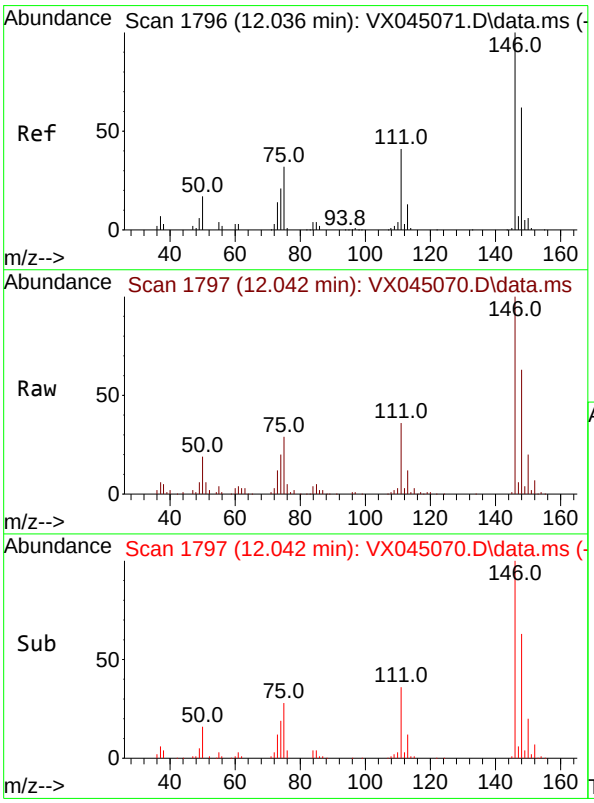
Ion	Ratio	Lower	Upper
146	100		
111	40.2	21.1	63.4
148	61.6	31.9	95.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
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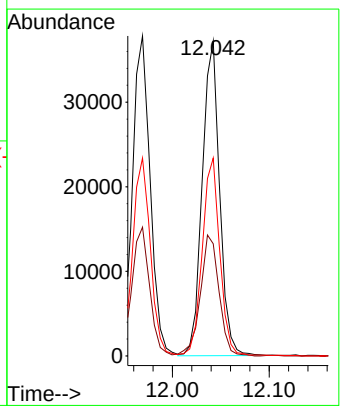
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

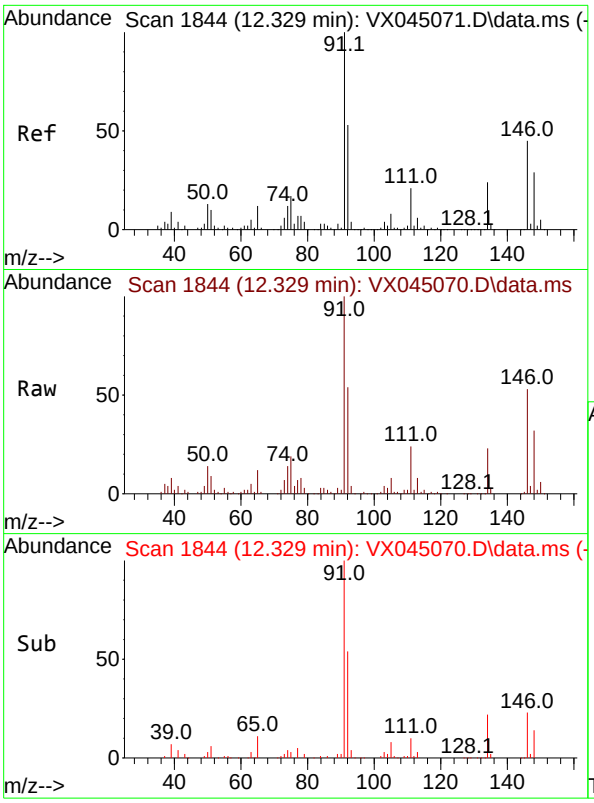


#88
1,4-Dichlorobenzene
Concen: 19.615 ug/l
RT: 12.042 min Scan# 1797
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

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

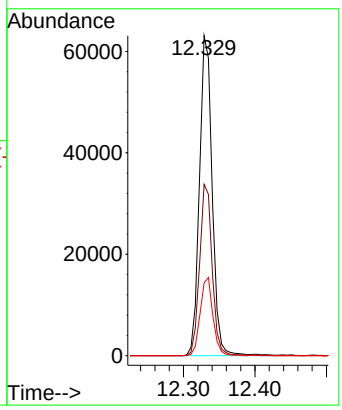




#89
n-Butylbenzene
Concen: 19.249 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 91 Resp: 7813

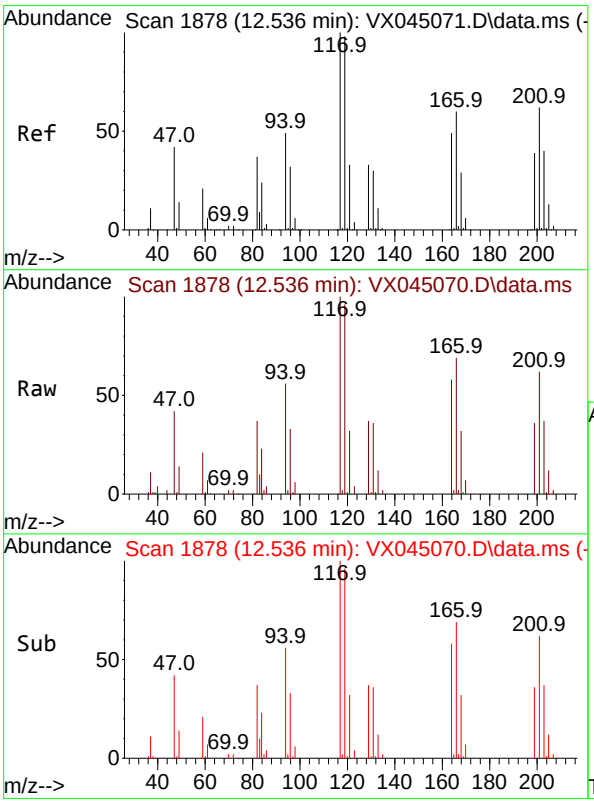
Ion	Ratio	Lower	Upper
91	100		
92	52.9	26.7	80.0
134	24.3	12.2	36.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
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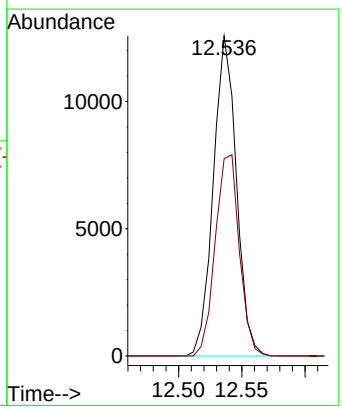
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

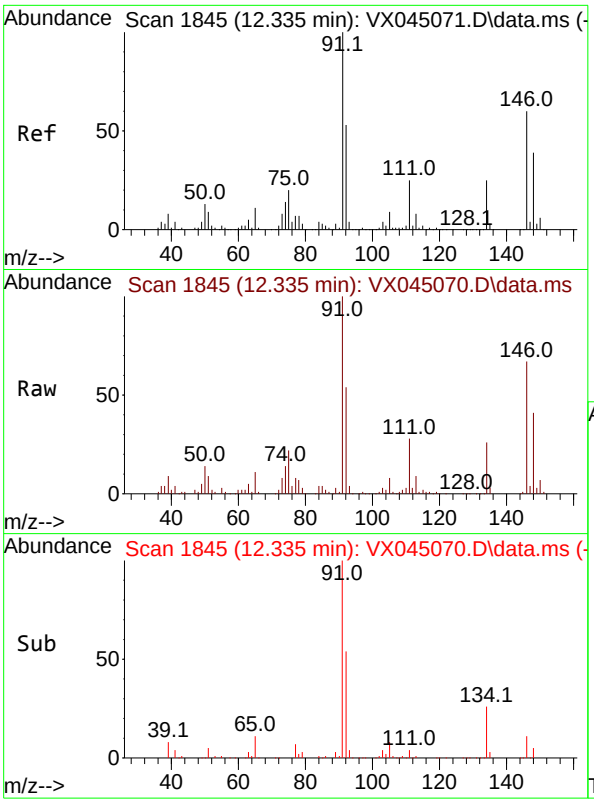


#90
Hexachloroethane
Concen: 18.483 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:117 Resp: 15919

Ion	Ratio	Lower	Upper
117	100		
201	65.6	31.9	95.9

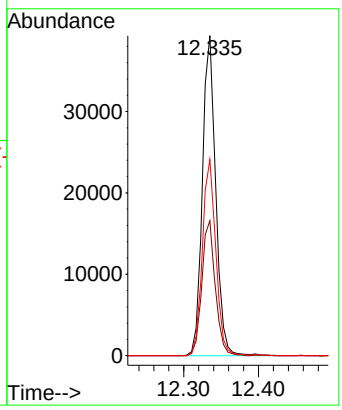




#91
1,2-Dichlorobenzene
Concen: 21.031 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:146 Resp: 4863

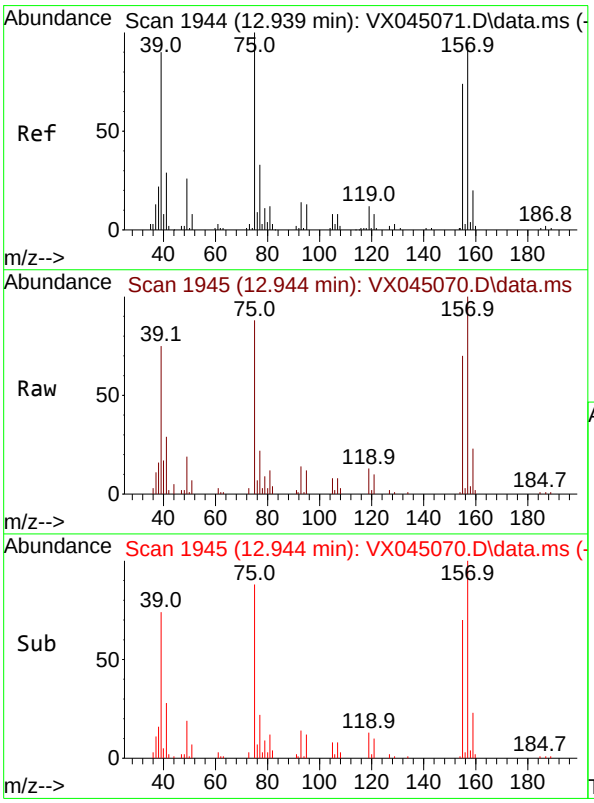
Ion	Ratio	Lower	Upper
146	100		
111	42.6	21.6	65.0
148	62.1	31.9	95.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

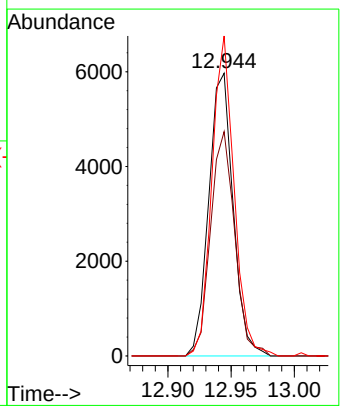
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

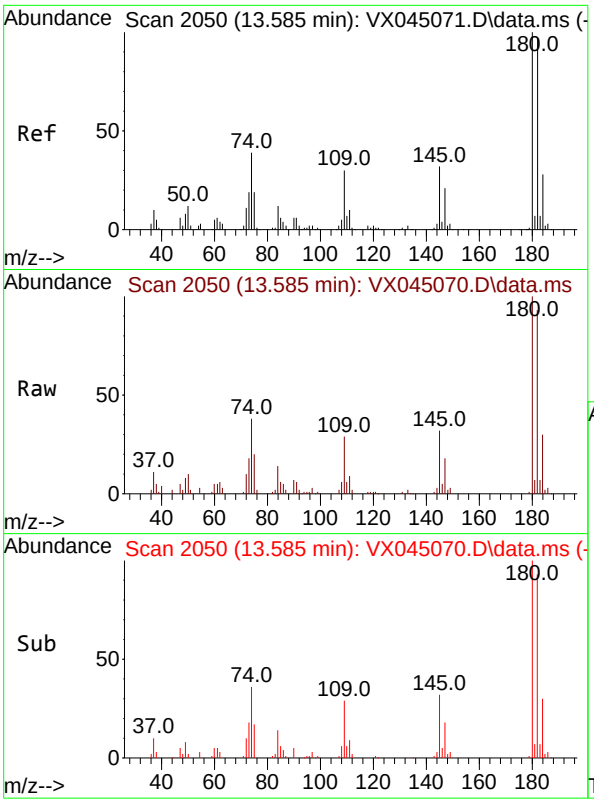


#92
1,2-Dibromo-3-Chloropropane
Concen: 22.119 ug/l
RT: 12.944 min Scan# 1945
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

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

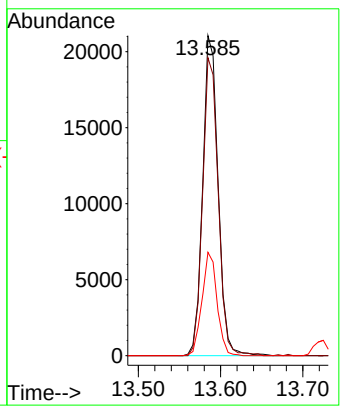




#93
1,2,4-Trichlorobenzene
Concen: 19.617 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:180 Resp: 2742

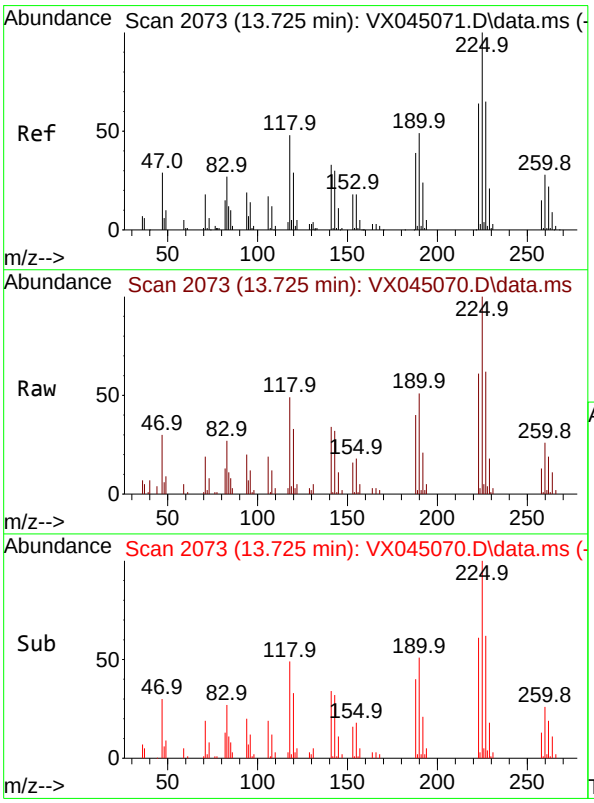
Ion	Ratio	Lower	Upper
180	100		
182	93.9	47.3	141.9
145	31.5	16.3	48.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

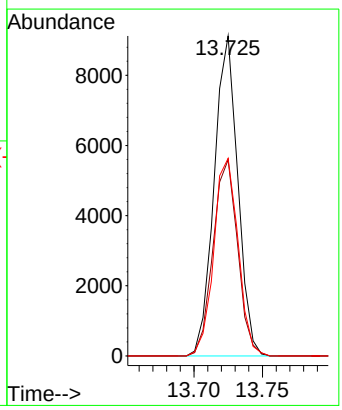
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

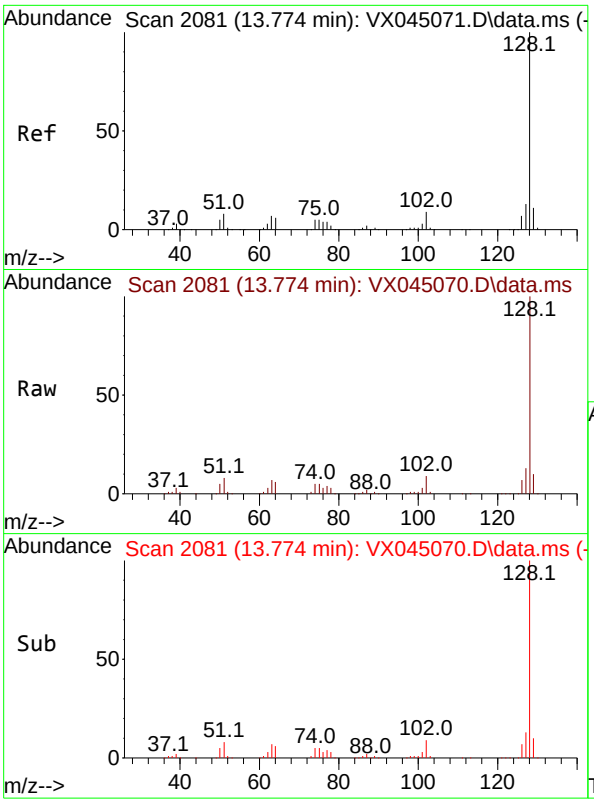


#94
Hexachlorobutadiene
Concen: 19.616 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

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

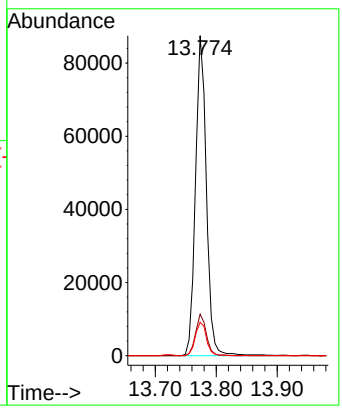




#95
Naphthalene
Concen: 21.279 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:128 Resp: 10835

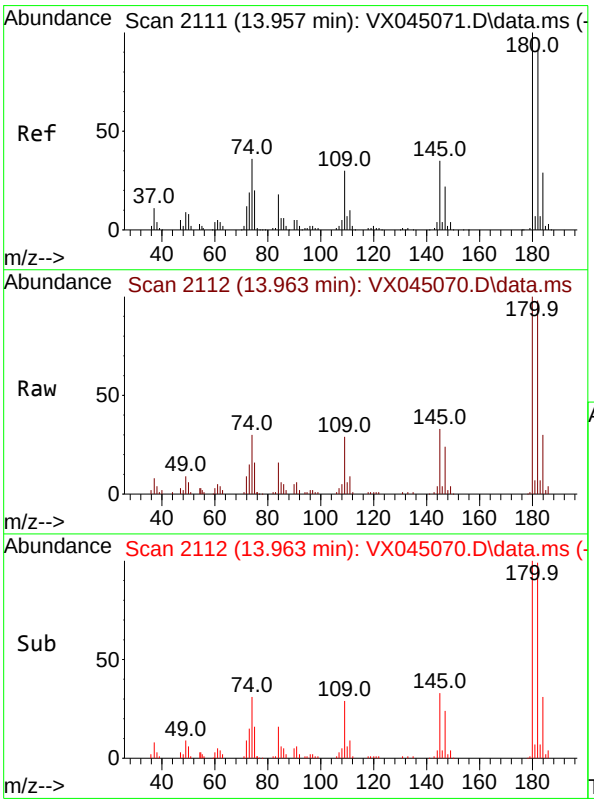
Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.3	15.5
129	10.8	8.7	13.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

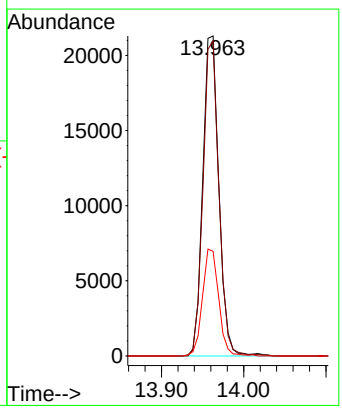
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#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



Quantitation Report (QT 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

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

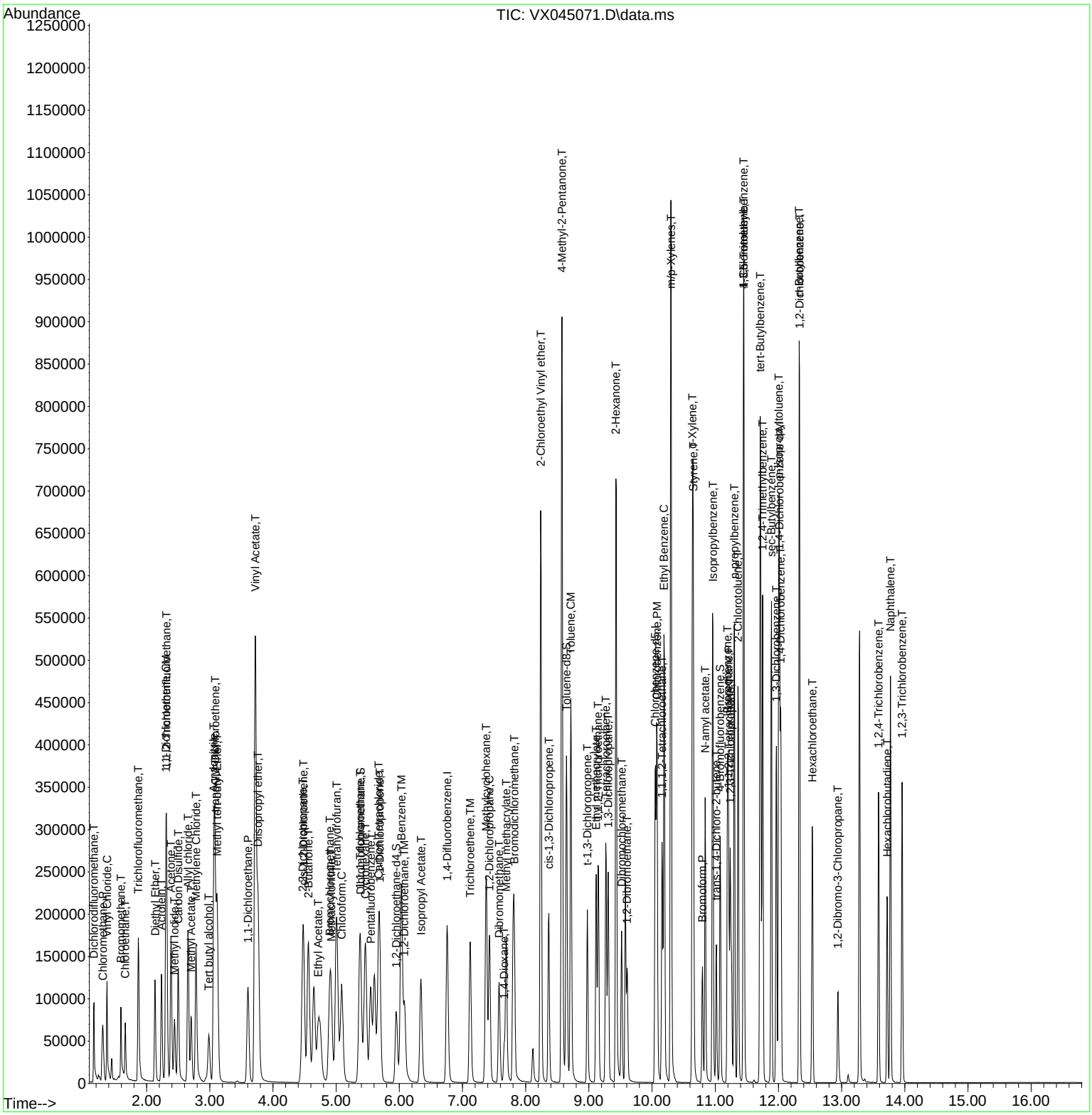
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045071.D
Acq On : 28 Feb 2025 03:00
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

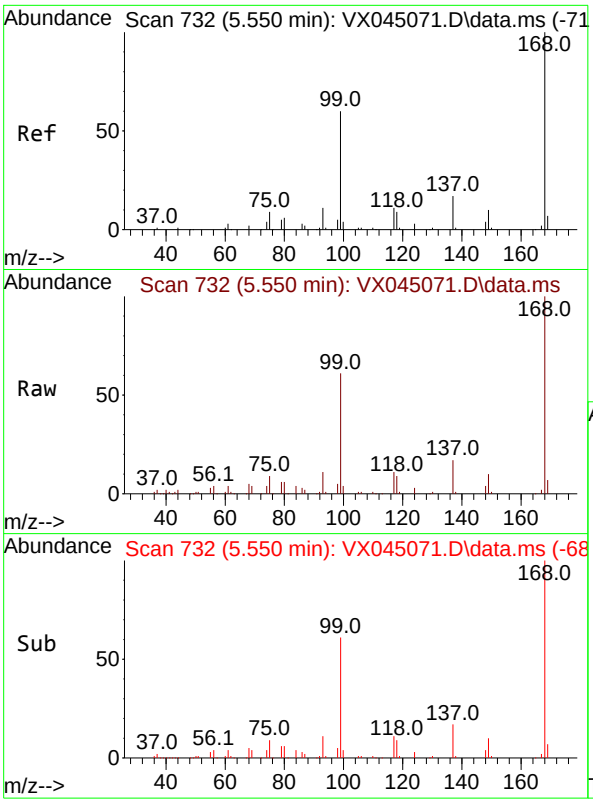
Quant Time: Feb 28 05:34:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

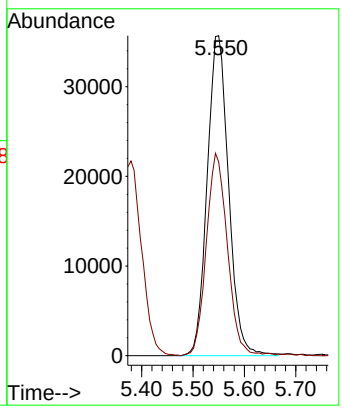




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:168 Resp: 10323

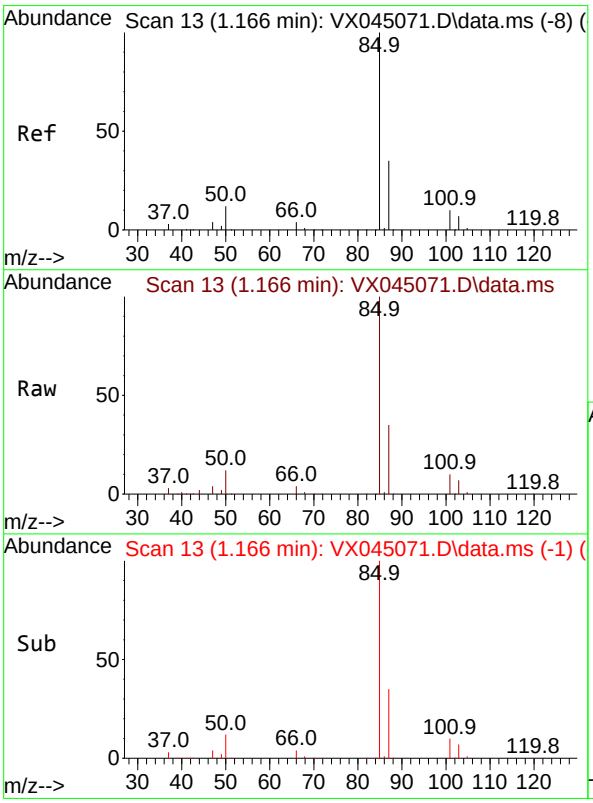
Ion	Ratio	Lower	Upper
168	100		
99	60.3	48.2	72.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

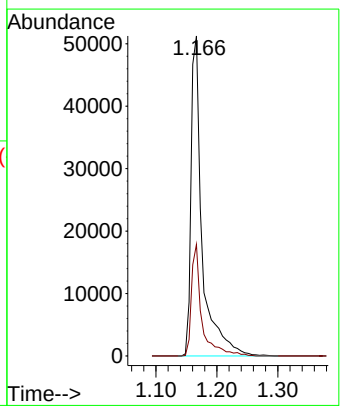
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

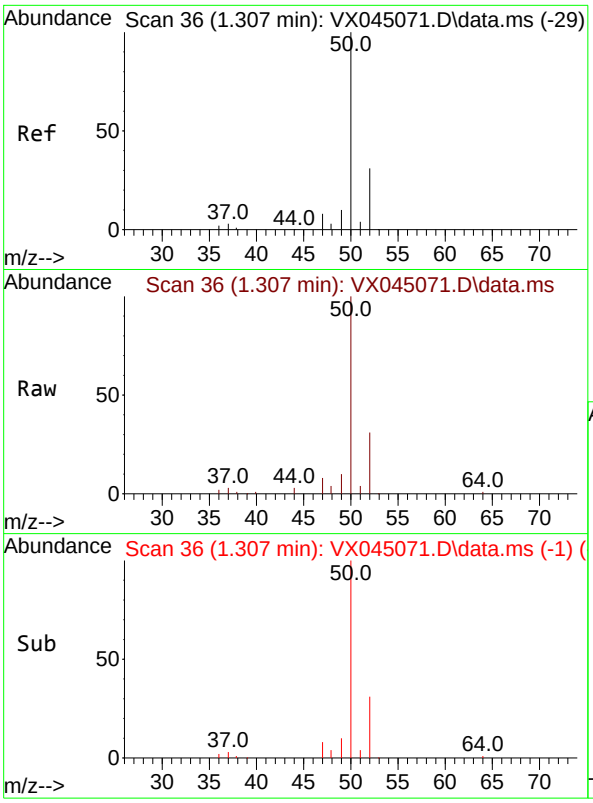


#2
Dichlorodifluoromethane
Concen: 45.502 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 85 Resp: 64743

Ion	Ratio	Lower	Upper
85	100		
87	34.9	17.4	52.3

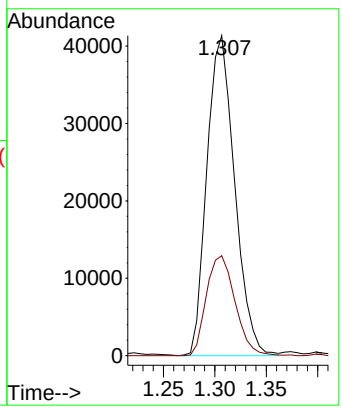




#3
Chloromethane
Concen: 44.894 ug/l
RT: 1.307 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 50 Resp: 7772

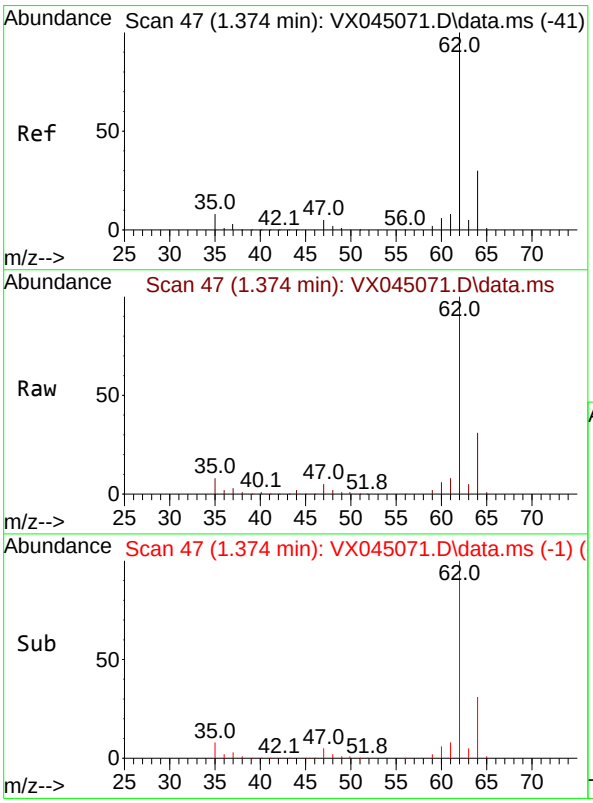
Ion	Ratio	Lower	Upper
50	100		
52	31.2	25.0	37.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

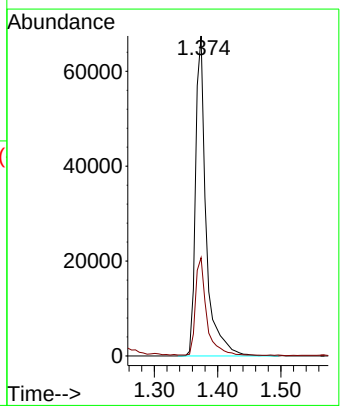
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

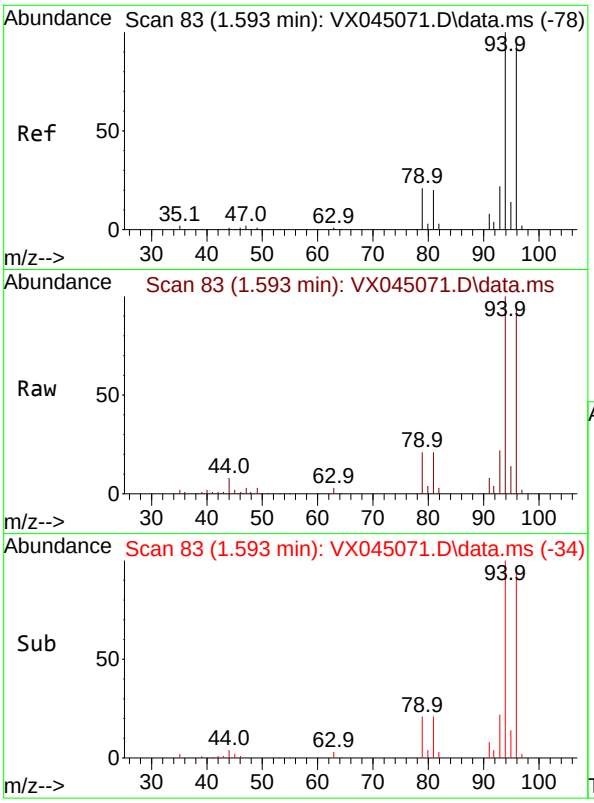


#4
Vinyl Chloride
Concen: 46.434 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 62 Resp: 78524

Ion	Ratio	Lower	Upper
62	100		
64	30.4	24.3	36.5

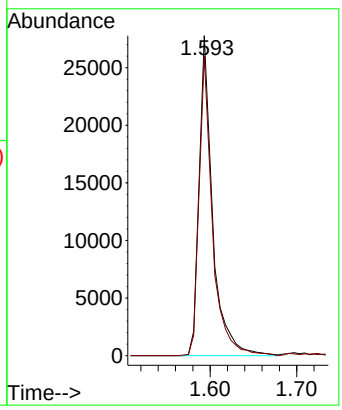




#5
Bromomethane
Concen: 57.066 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 94 Resp: 3016

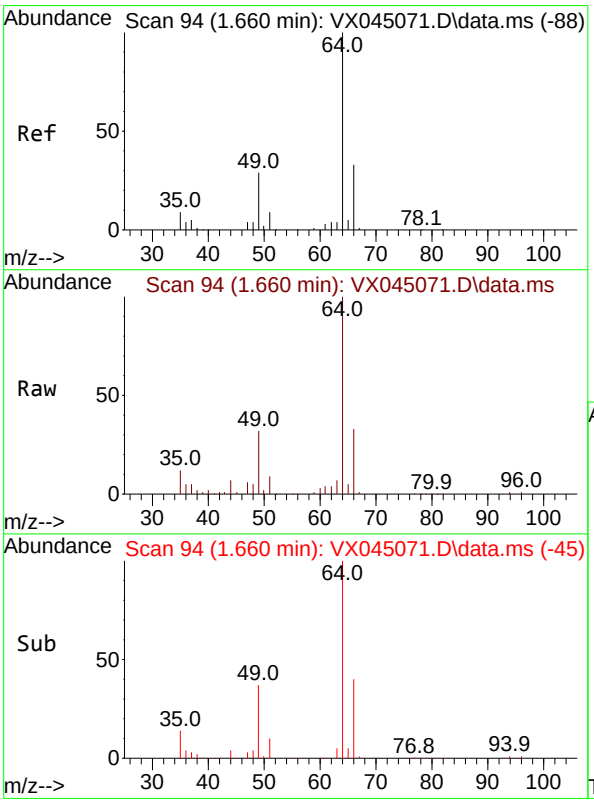
Ion	Ratio	Lower	Upper
94	100		
96	93.7	75.0	112.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
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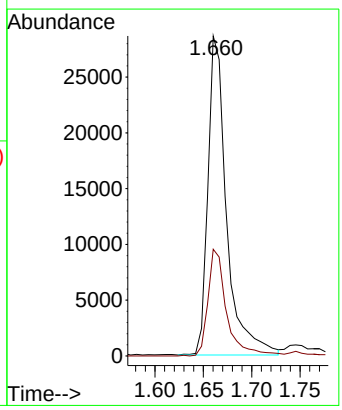
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

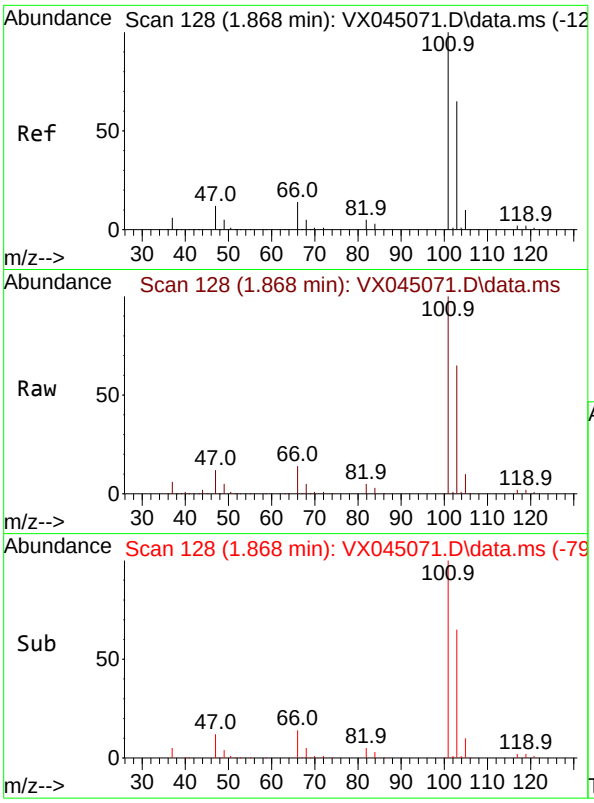


#6
Chloroethane
Concen: 59.750 ug/l
RT: 1.660 min Scan# 94
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 64 Resp: 38461

Ion	Ratio	Lower	Upper
64	100		
66	33.4	26.7	40.1

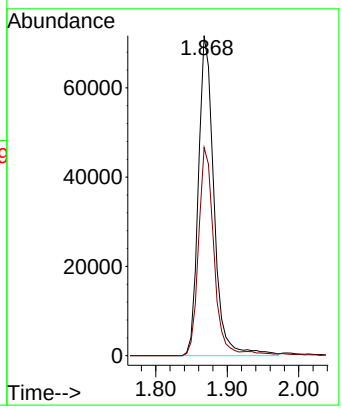




#7
Trichlorofluoromethane
Concen: 50.047 ug/l
RT: 1.868 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:101 Resp: 10841

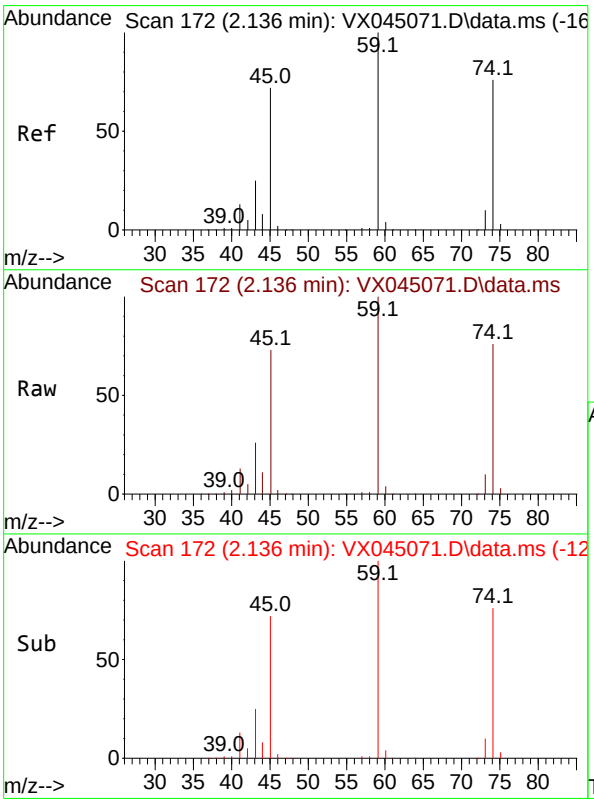
Ion	Ratio	Lower	Upper
101	100		
103	65.1	52.1	78.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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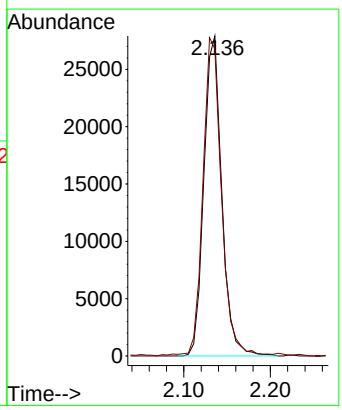
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

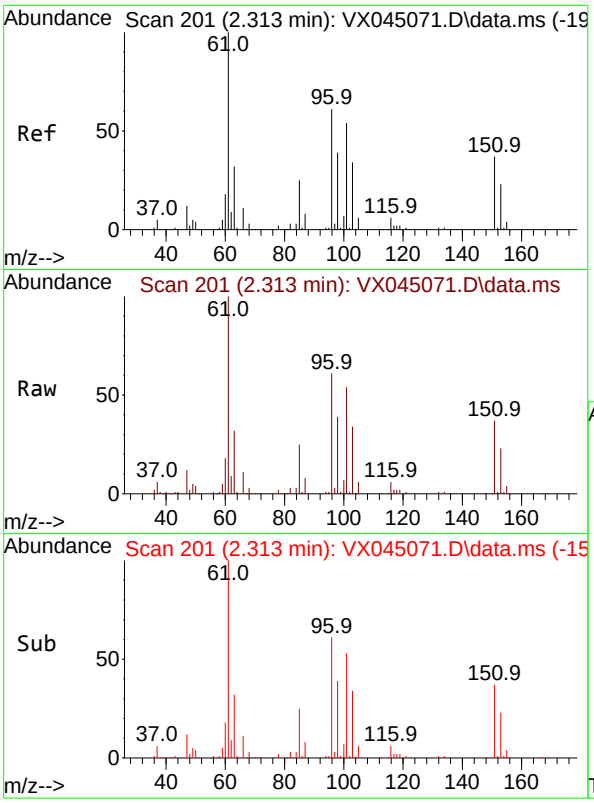


#8
Diethyl Ether
Concen: 50.814 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

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

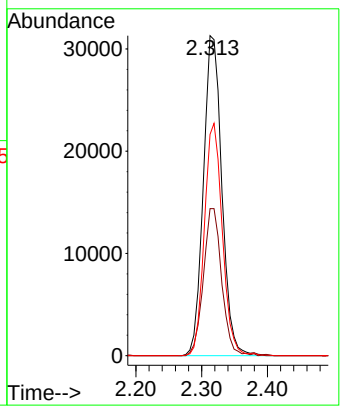
Tgt Ion:101 Resp: 6131

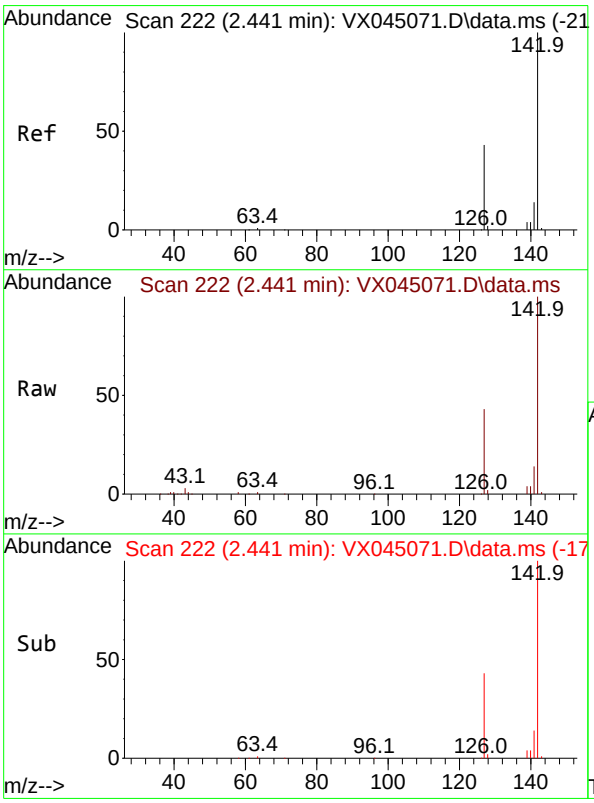
Ion	Ratio	Lower	Upper
101	100		
85	45.3	36.2	54.4
151	70.5	56.4	84.6

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

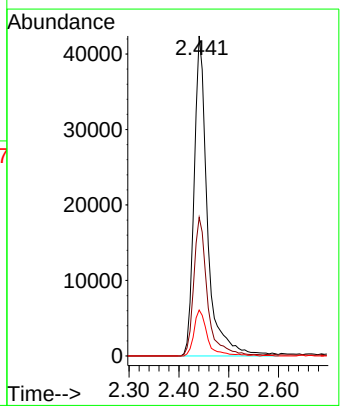


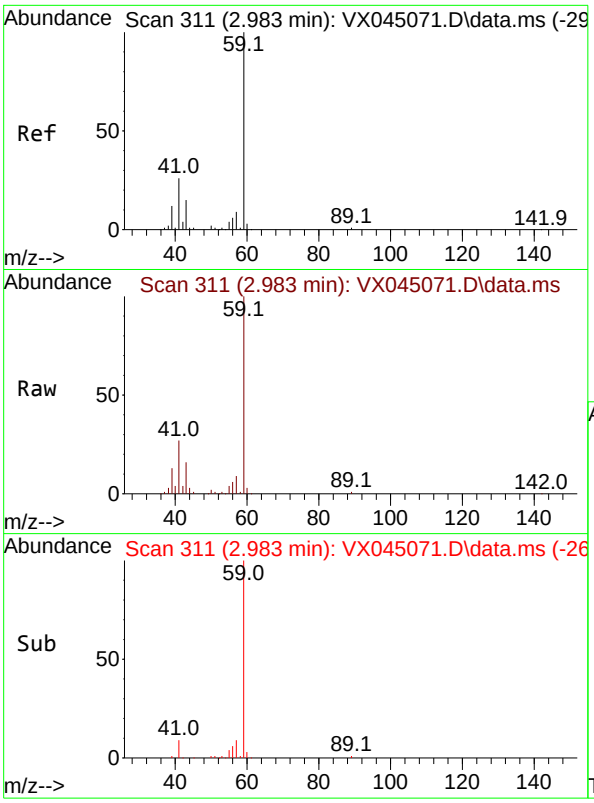


#10
Methyl Iodide
Concen: 47.854 ug/l
RT: 2.441 min Scan# 222
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

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

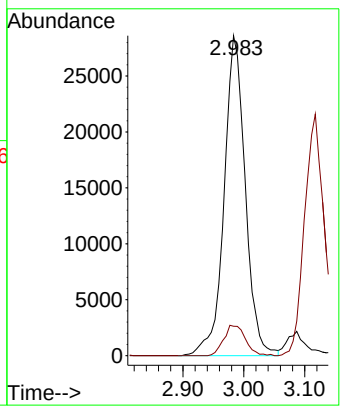




#11
Tert butyl alcohol
Concen: 247.496 ug/l
RT: 2.983 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 59 Resp: 6913

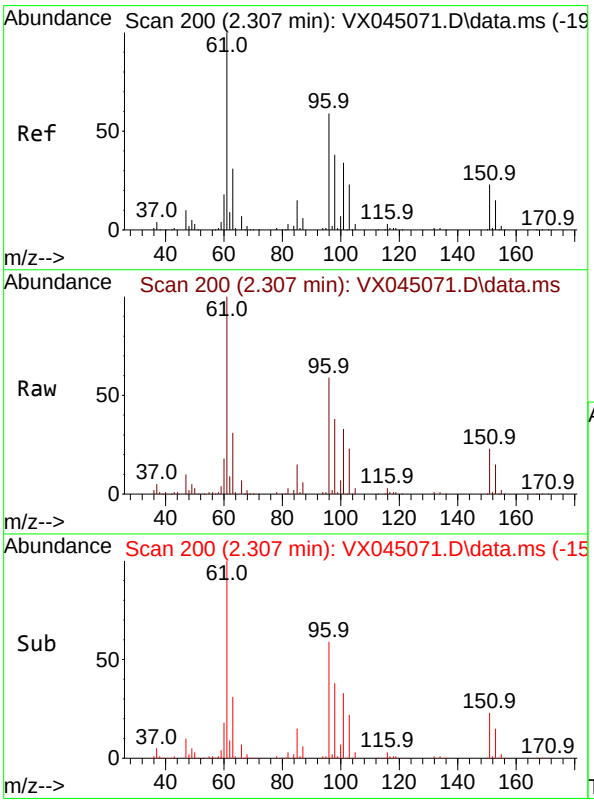
Ion	Ratio	Lower	Upper
59	100		
57	9.8	7.8	11.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

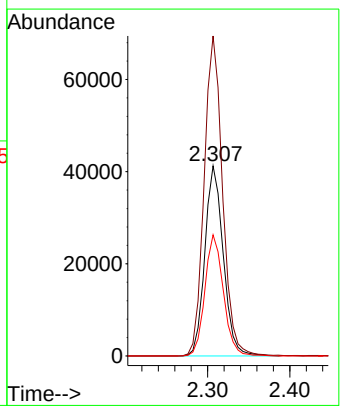
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

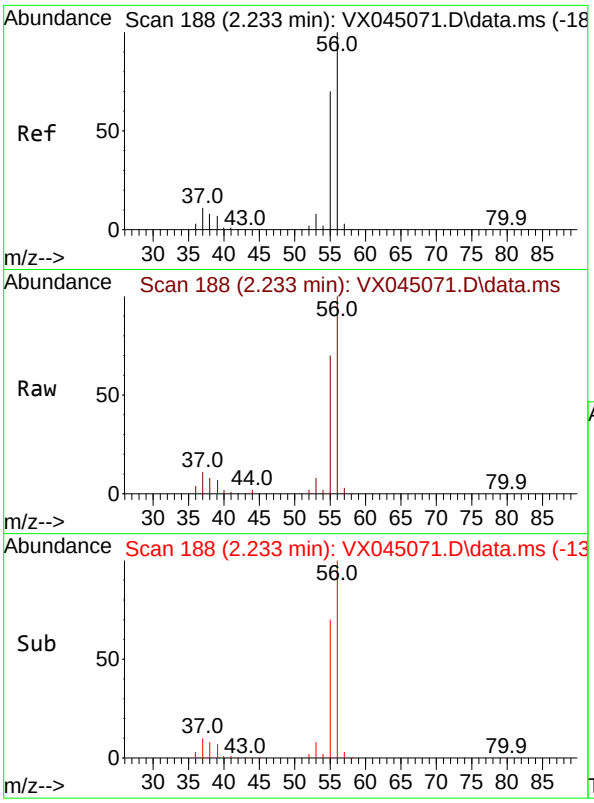


#12
1,1-Dichloroethene
Concen: 48.434 ug/l
RT: 2.307 min Scan# 200
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

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

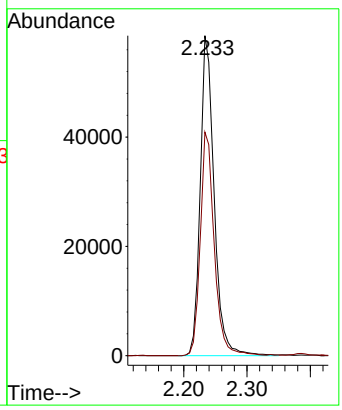




#13
Acrolein
Concen: 296.189 ug/l
RT: 2.233 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 56 Resp: 8960

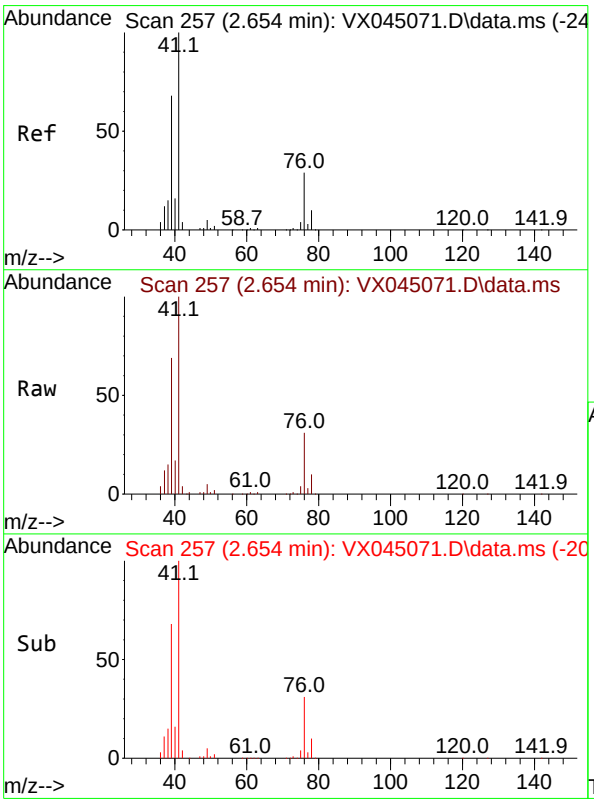
Ion	Ratio	Lower	Upper
56	100		
55	70.3	56.2	84.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
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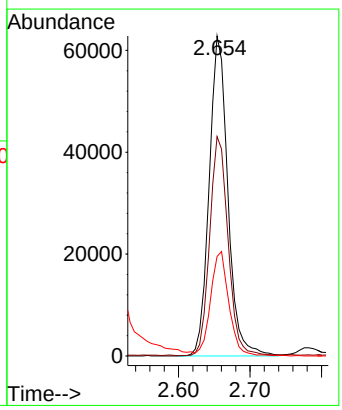
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

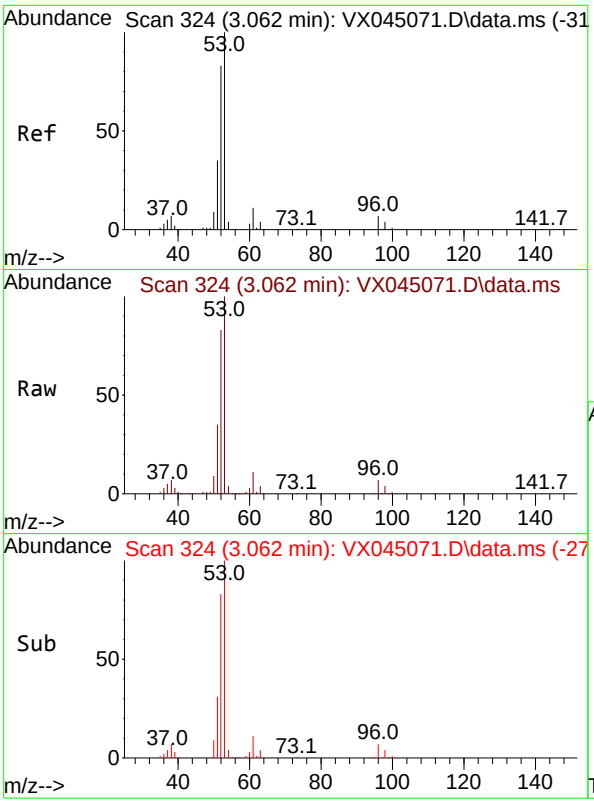


#14
Allyl chloride
Concen: 47.875 ug/l
RT: 2.654 min Scan# 257
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

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

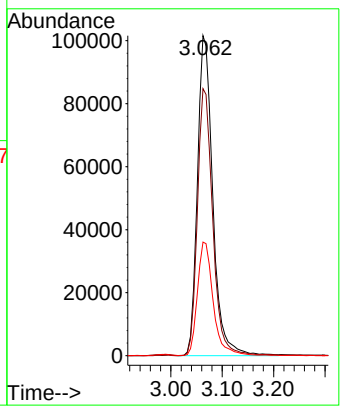




#15
Acrylonitrile
Concen: 278.519 ug/l
RT: 3.062 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 53 Resp: 21145

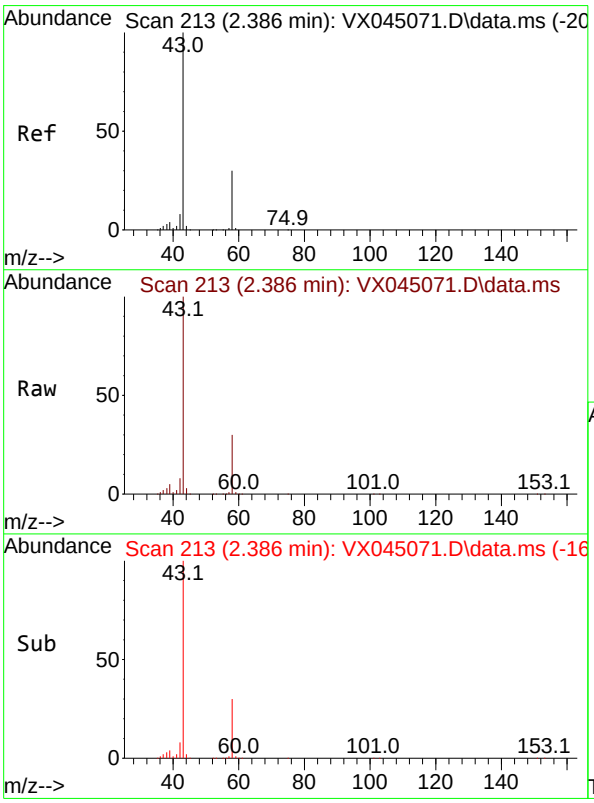
Ion	Ratio	Lower	Upper
53	100		
52	82.7	66.2	99.2
51	36.2	29.0	43.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

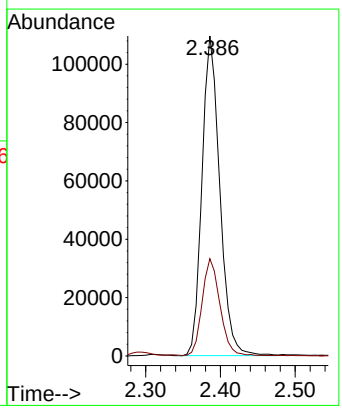
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

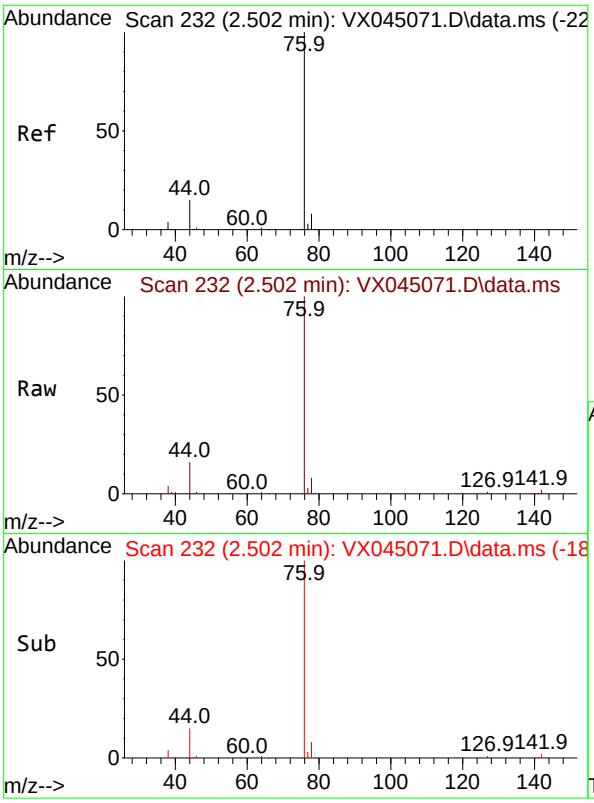


#16
Acetone
Concen: 289.130 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

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

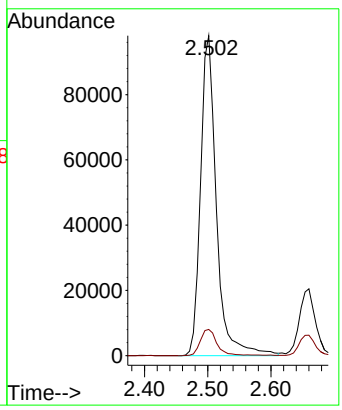
Tgt Ion: 76 Resp: 17135

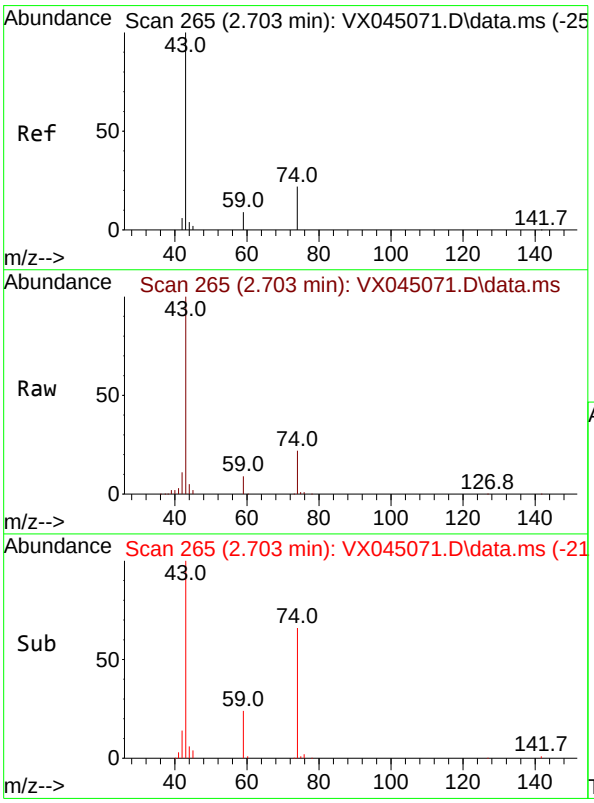
Ion	Ratio	Lower	Upper
76	100		
78	8.2	6.6	9.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

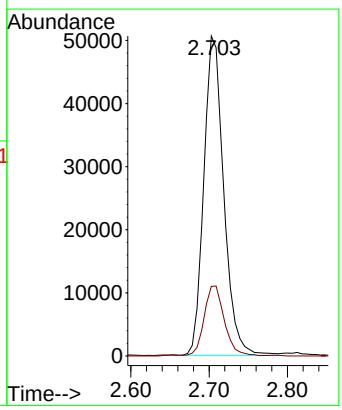


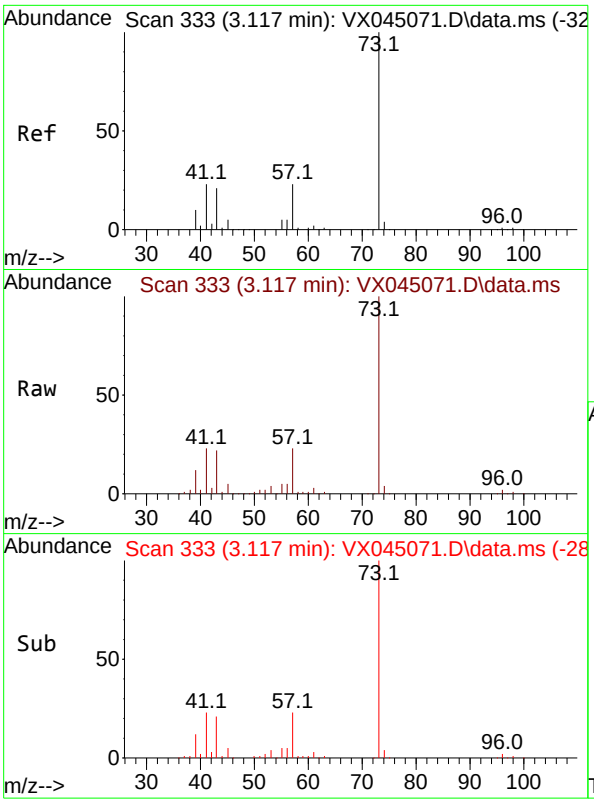


#18
Methyl Acetate
Concen: 47.359 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 43 Resp: 89508

Ion	Ratio	Lower	Upper
43	100		
74	21.8	17.4	26.2

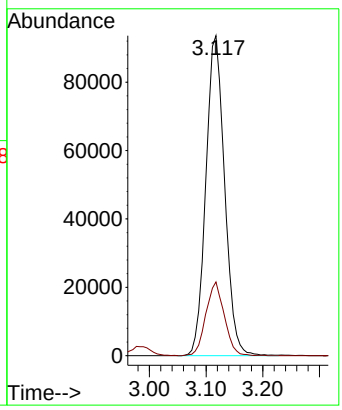




#19
Methyl tert-butyl Ether
Concen: 50.642 ug/l
RT: 3.117 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 73 Resp: 21504

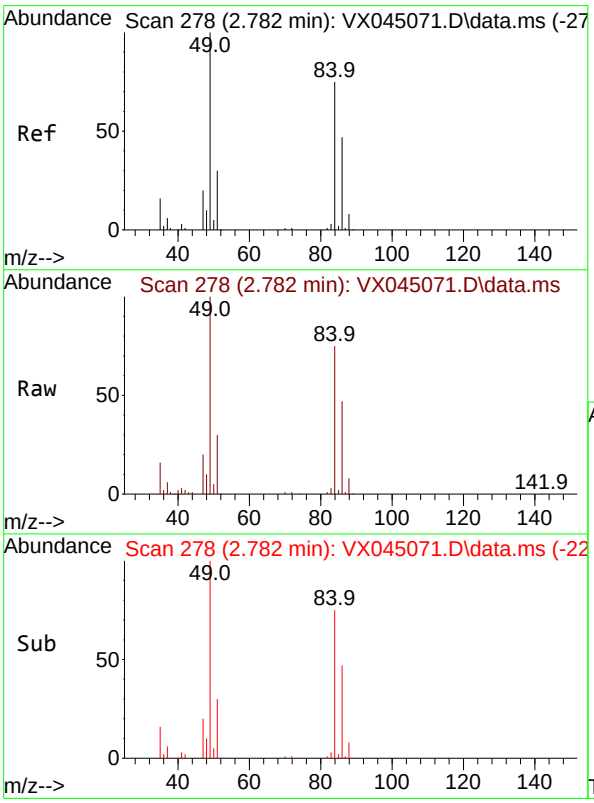
Ion	Ratio	Lower	Upper
73	100		
57	23.1	18.5	27.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

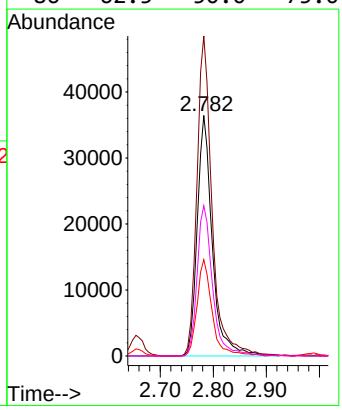
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

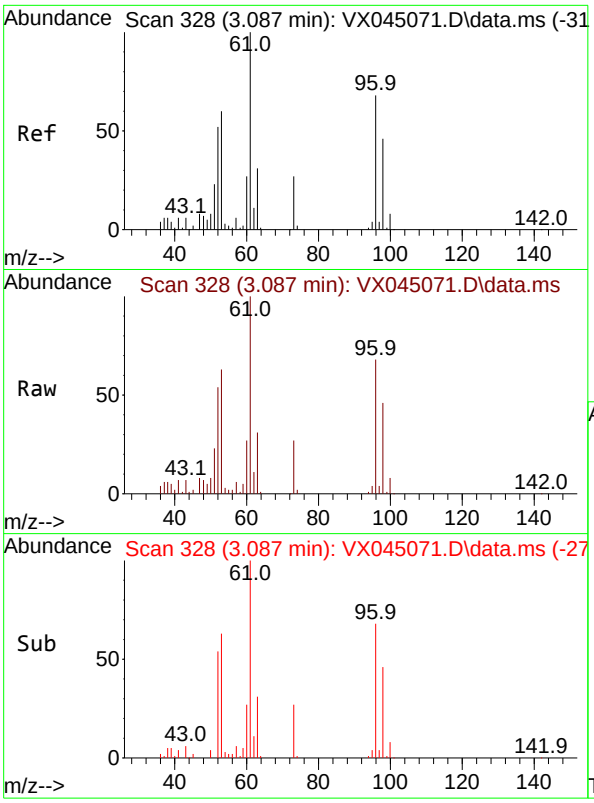


#20
Methylene Chloride
Concen: 48.500 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

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

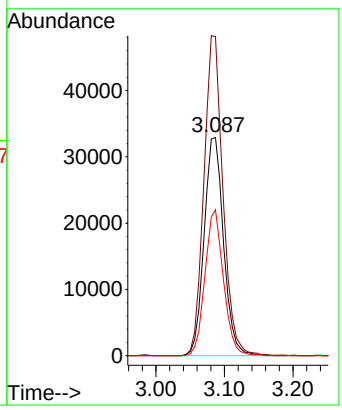
Tgt Ion: 96 Resp: 6509

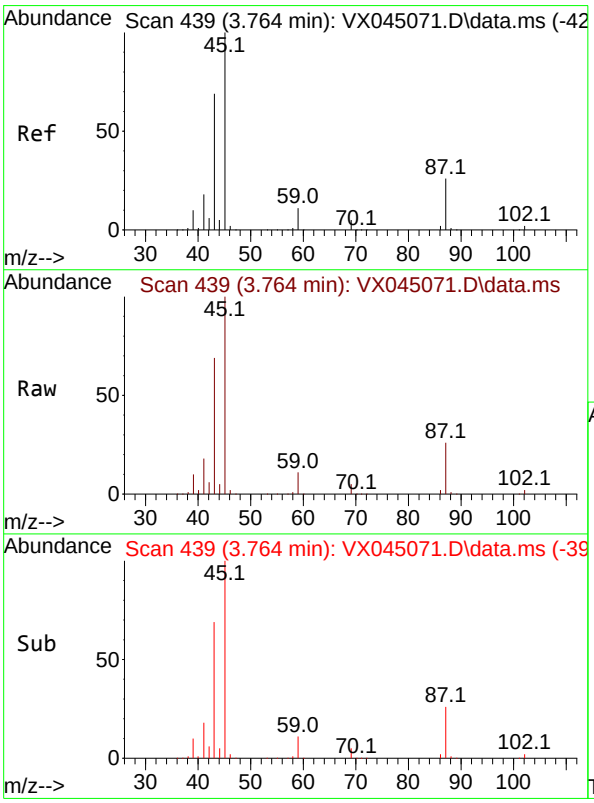
Ion	Ratio	Lower	Upper
96	100		
61	146.2	117.0	175.4
98	66.8	53.4	80.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
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Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

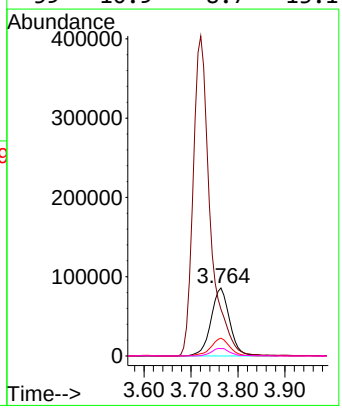


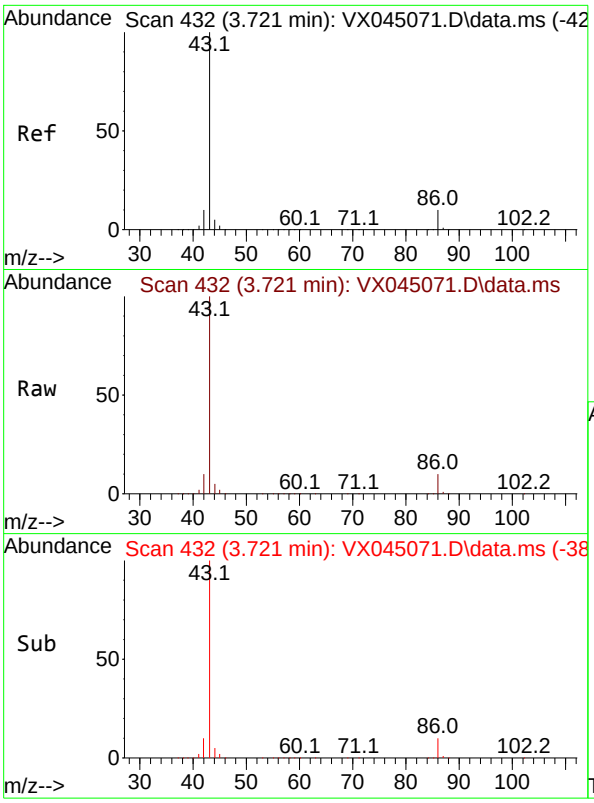


#22
Diisopropyl ether
Concen: 51.816 ug/l
RT: 3.764 min Scan# 439
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

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

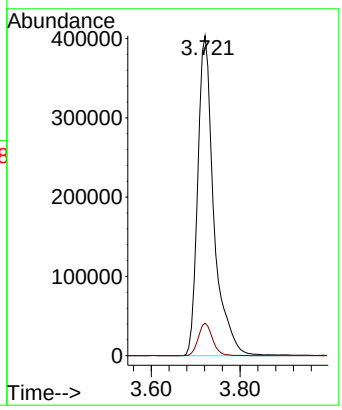
Tgt Ion: 43 Resp: 101863

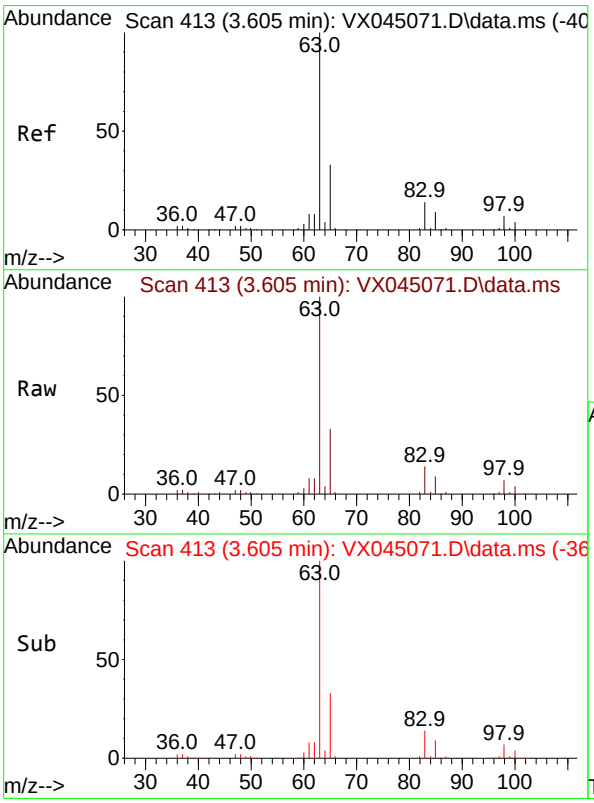
Ion	Ratio	Lower	Upper
43	100		
86	10.1	8.1	12.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

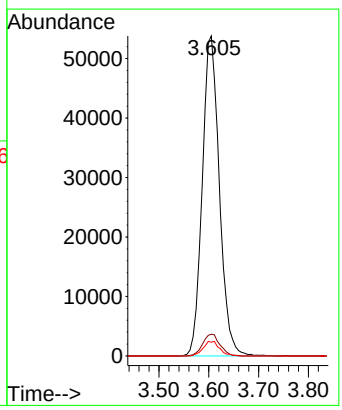


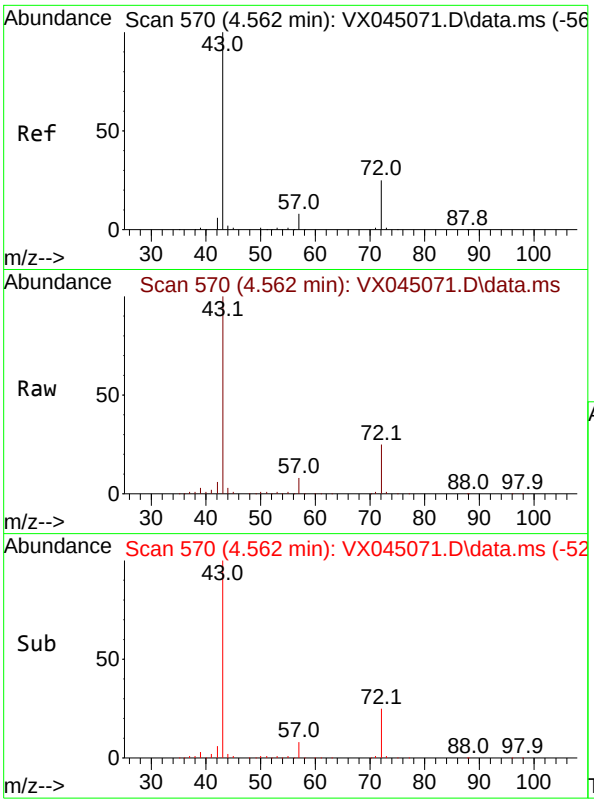


#24
1,1-Dichloroethane
Concen: 50.270 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

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

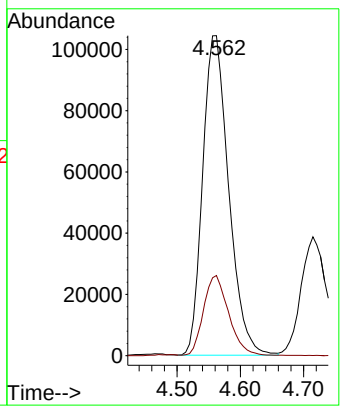




#25
2-Butanone
Concen: 295.330 ug/l
RT: 4.562 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 43 Resp: 29878

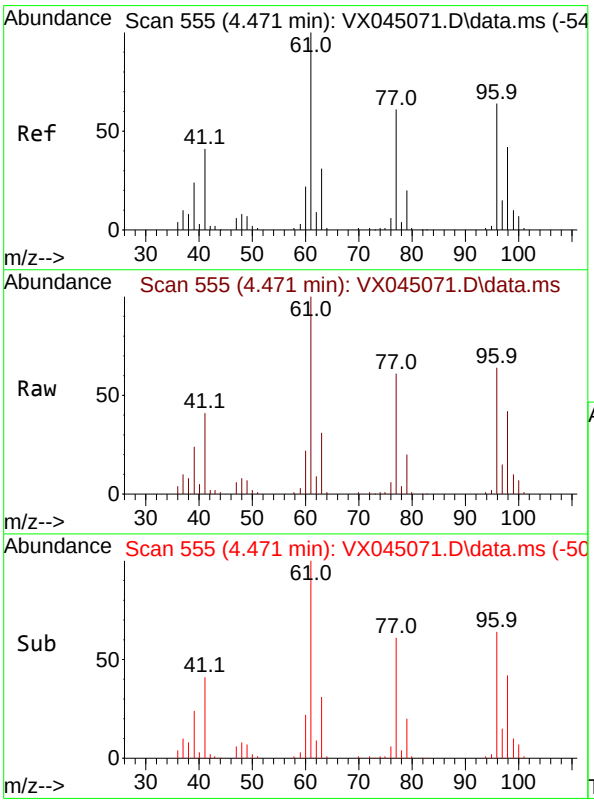
Ion	Ratio	Lower	Upper
43	100		
72	25.0	20.0	30.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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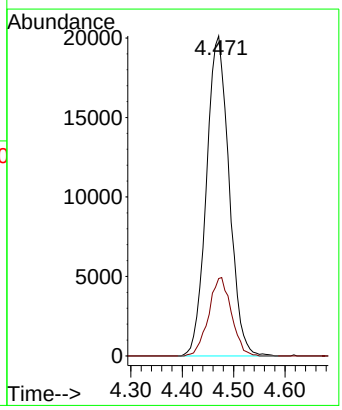
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

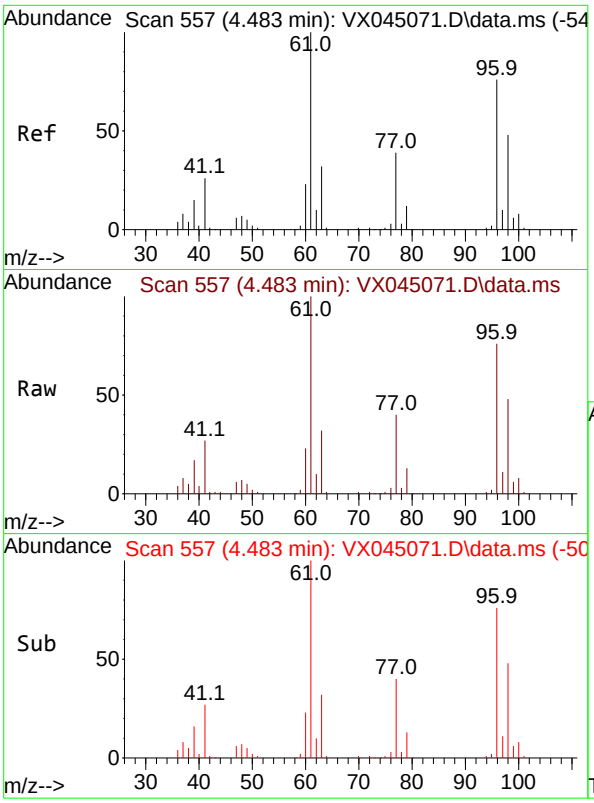


#26
2,2-Dichloropropane
Concen: 32.498 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 77 Resp: 61631

Ion	Ratio	Lower	Upper
77	100		
97	24.7	12.4	37.0

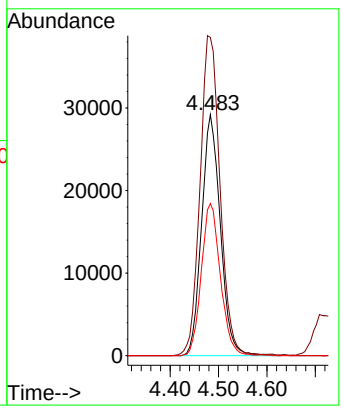




#27
cis-1,2-Dichloroethene
Concen: 49.955 ug/l
RT: 4.483 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 96 Resp: 7865

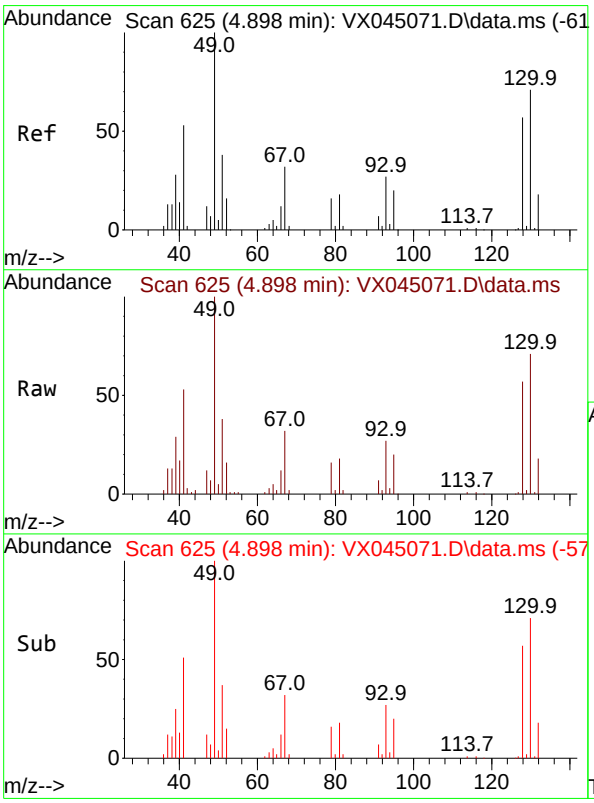
Ion	Ratio	Lower	Upper
96	100		
61	141.6	0.0	283.2
98	64.0	0.0	128.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
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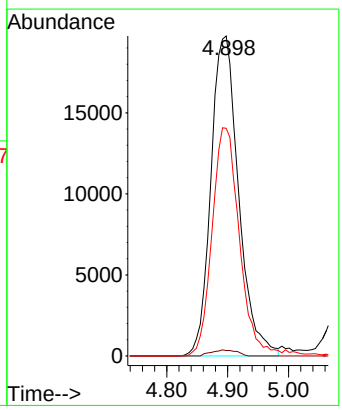
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

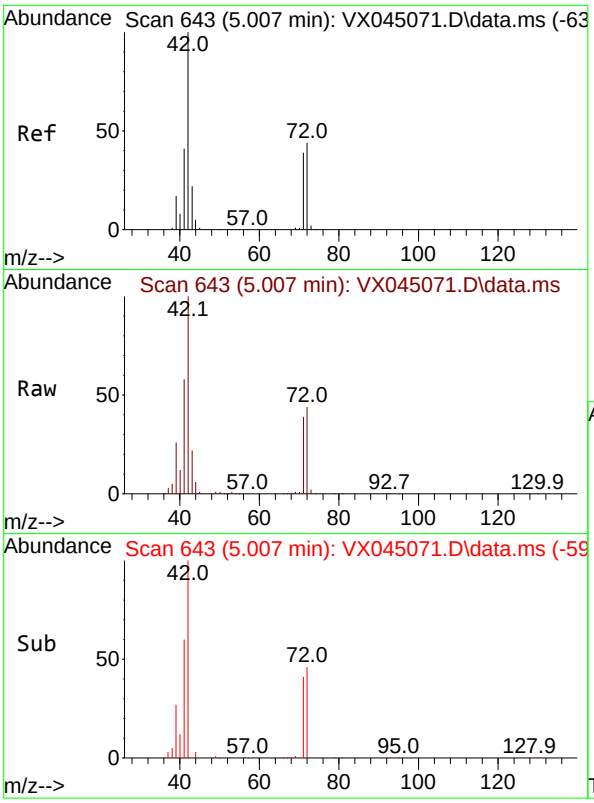


#28
Bromochloromethane
Concen: 50.643 ug/l
RT: 4.898 min Scan# 625
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

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

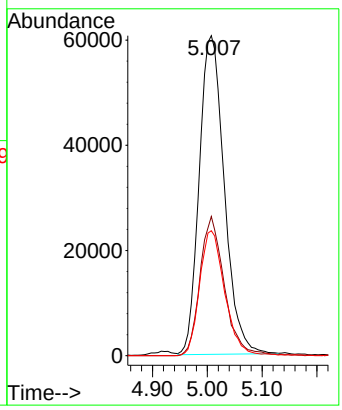




#29
Tetrahydrofuran
Concen: 287.345 ug/l
RT: 5.007 min Scan# 64
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 42 Resp: 19260

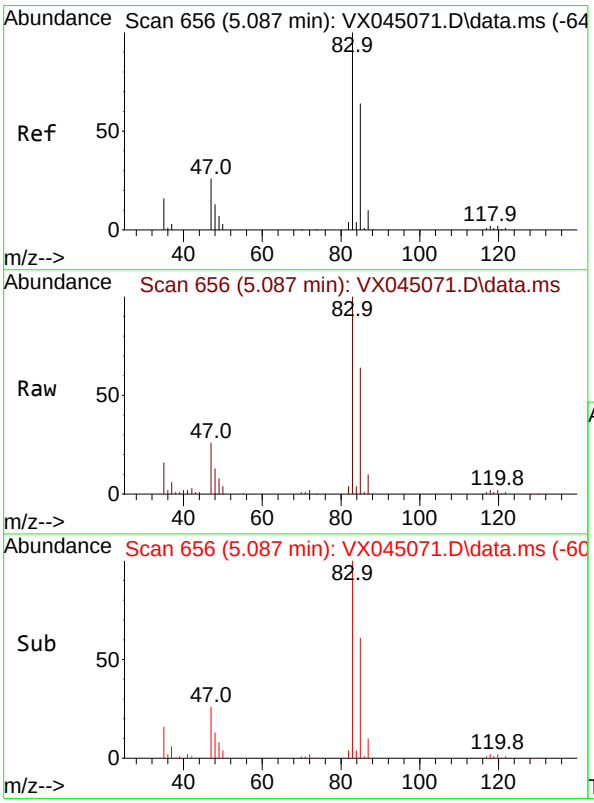
Ion	Ratio	Lower	Upper
42	100		
72	42.6	34.1	51.1
71	39.2	31.4	47.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

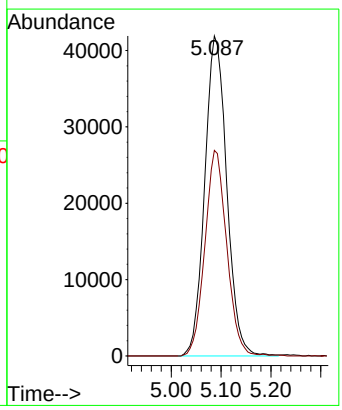
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

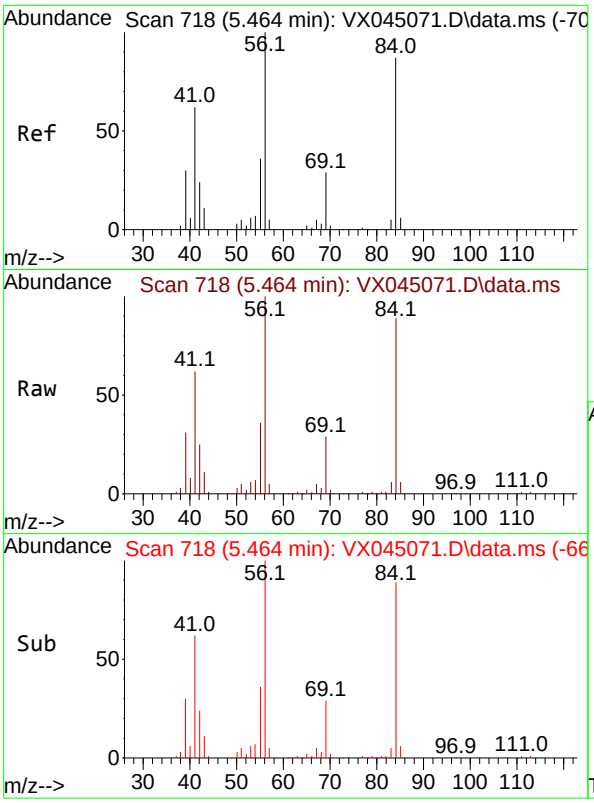


#30
Chloroform
Concen: 51.532 ug/l
RT: 5.087 min Scan# 656
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 83 Resp: 128581

Ion	Ratio	Lower	Upper
83	100		
85	64.3	51.4	77.2

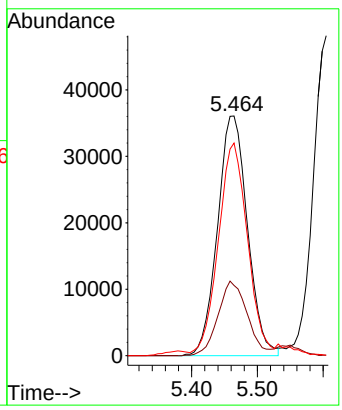




#31
Cyclohexane
Concen: 48.836 ug/l
RT: 5.464 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 56 Resp: 11433

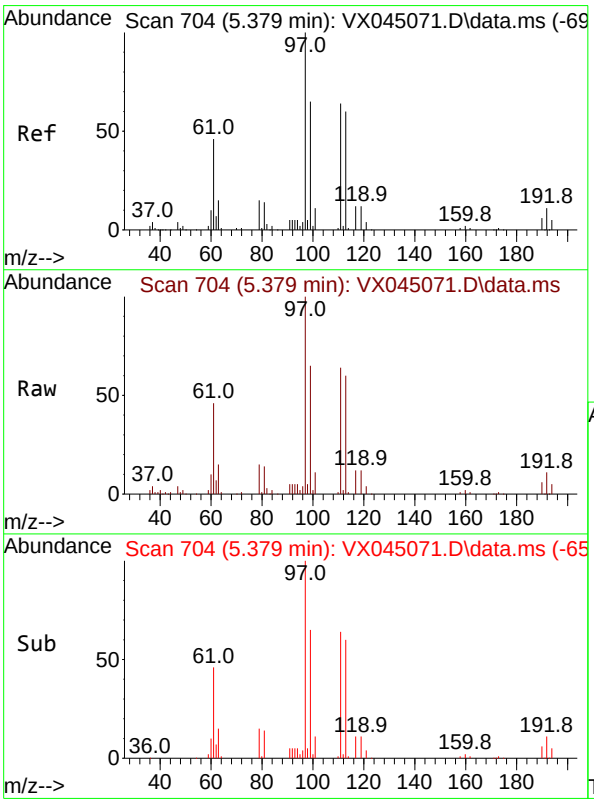
Ion	Ratio	Lower	Upper
56	100		
69	29.3	23.4	35.2
84	86.8	69.4	104.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

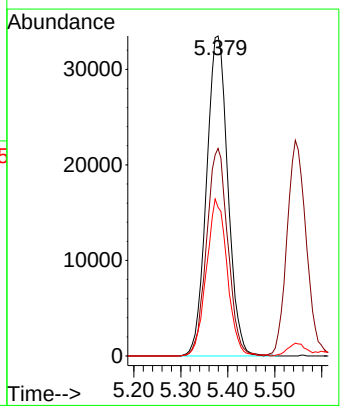
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

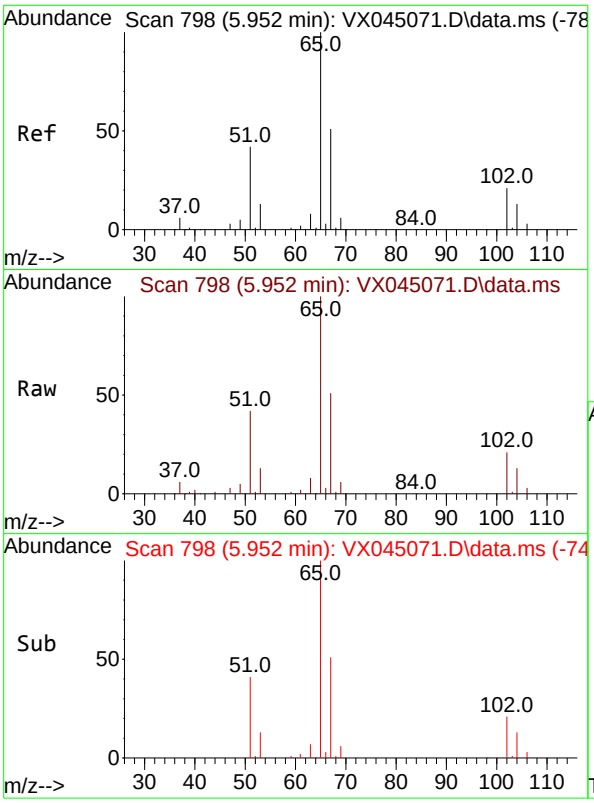


#32
1,1,1-Trichloroethane
Concen: 50.306 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

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

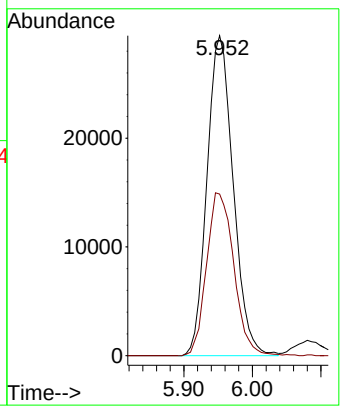




#33
1,2-Dichloroethane-d4
Concen: 51.250 ug/l
RT: 5.952 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 65 Resp: 7815

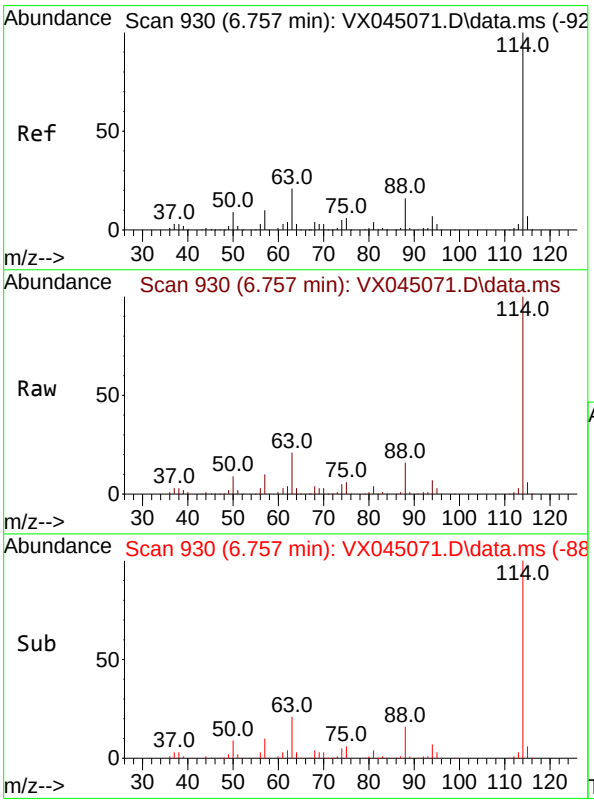
Ion	Ratio	Lower	Upper
65	100		
67	53.1	0.0	106.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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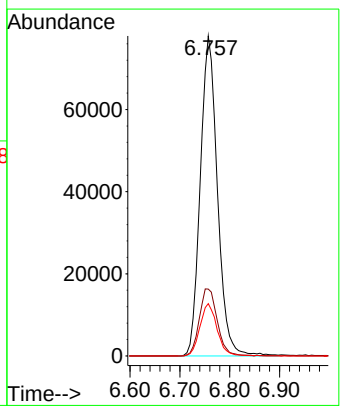
Reviewed By :John Carlone 02/28/2025
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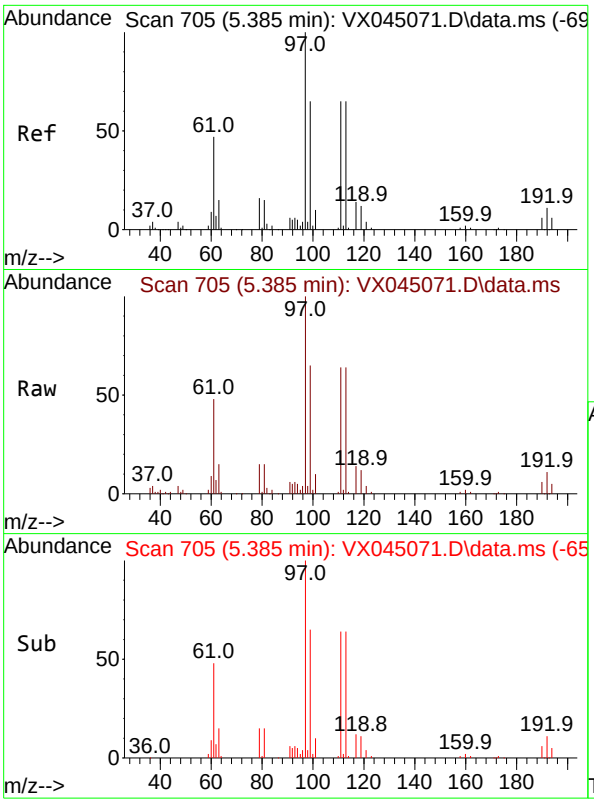


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

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

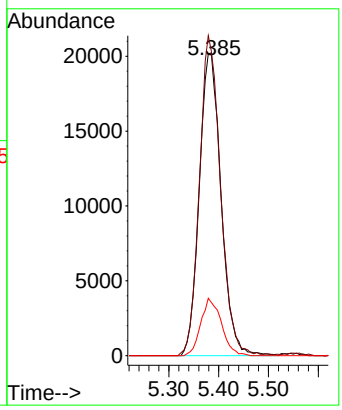




#35
Dibromofluoromethane
Concen: 50.346 ug/l
RT: 5.385 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:113 Resp: 6132

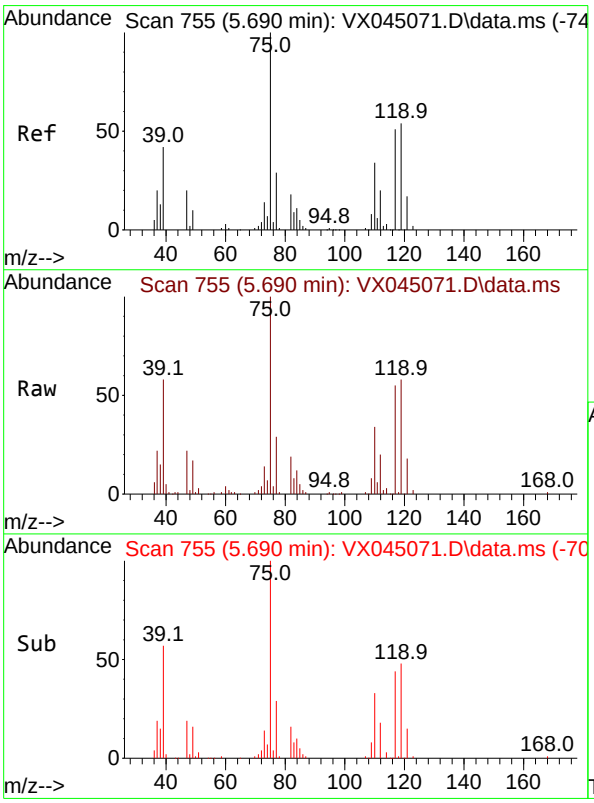
Ion	Ratio	Lower	Upper
113	100		
111	102.2	81.8	122.6
192	17.9	14.3	21.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

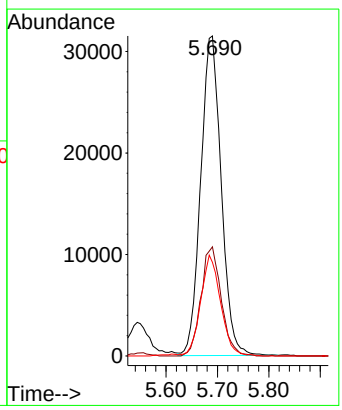
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

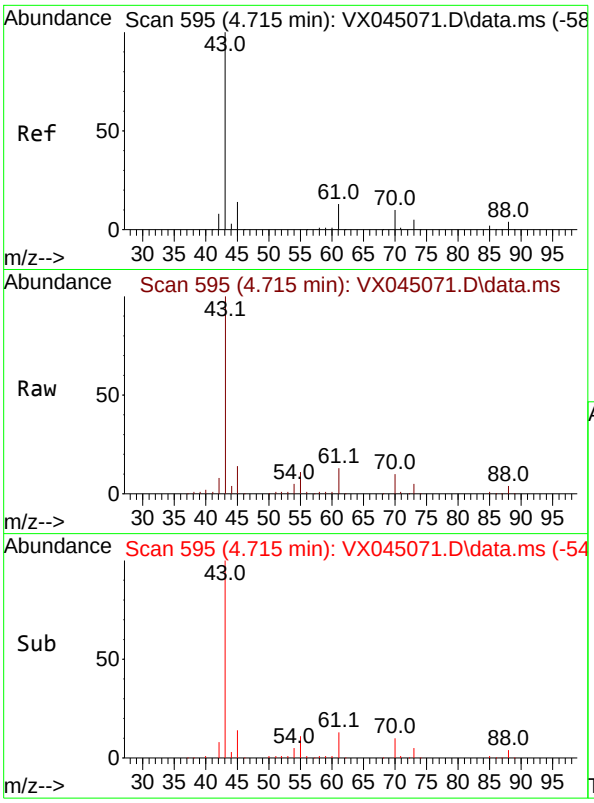


#36
1,1-Dichloropropene
Concen: 49.861 ug/l
RT: 5.690 min Scan# 755
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

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

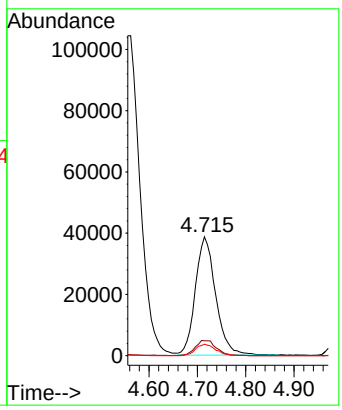




#37
Ethyl Acetate
Concen: 56.641 ug/l
RT: 4.715 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 43 Resp: 11289

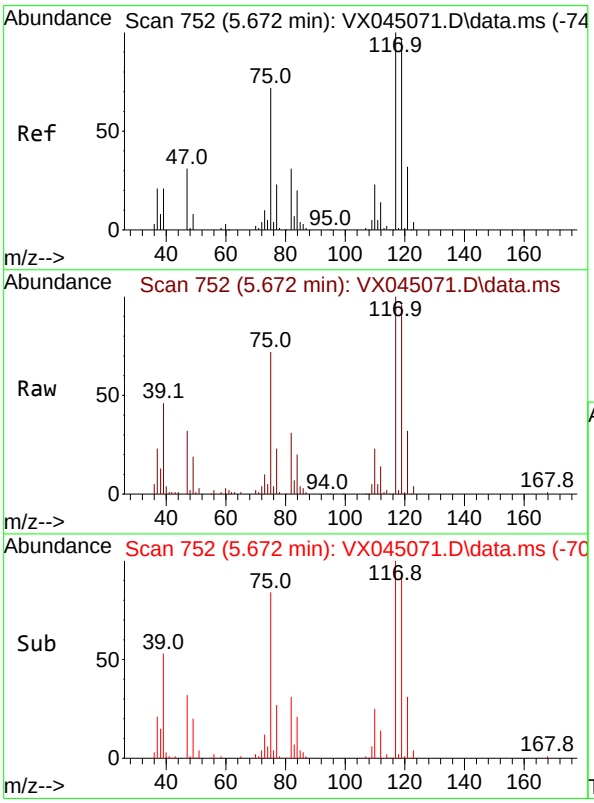
Ion	Ratio	Lower	Upper
43	100		
61	13.5	10.8	16.2
70	9.6	7.7	11.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
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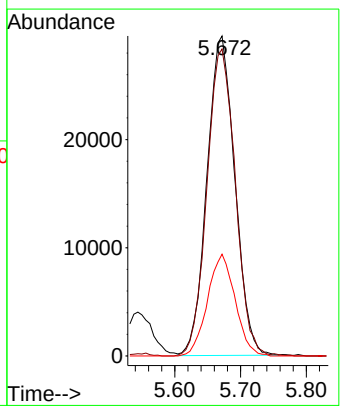
Reviewed By :John Carlone 02/28/2025
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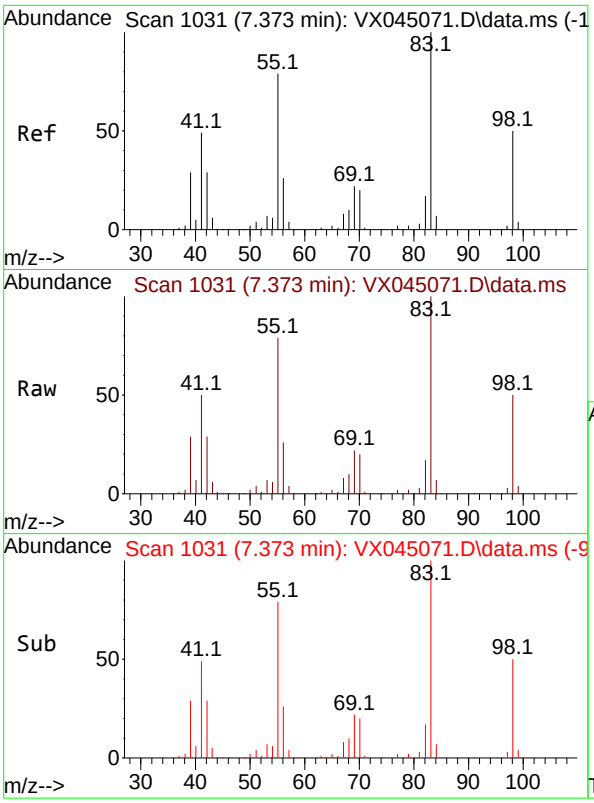


#38
Carbon Tetrachloride
Concen: 50.593 ug/l
RT: 5.672 min Scan# 752
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

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

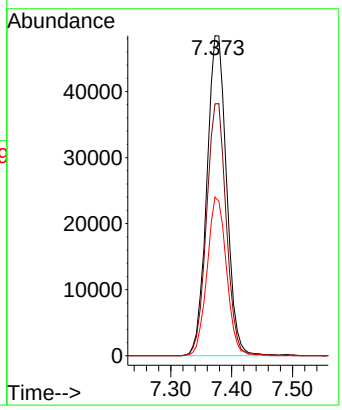
Tgt Ion: 83 Resp: 10897

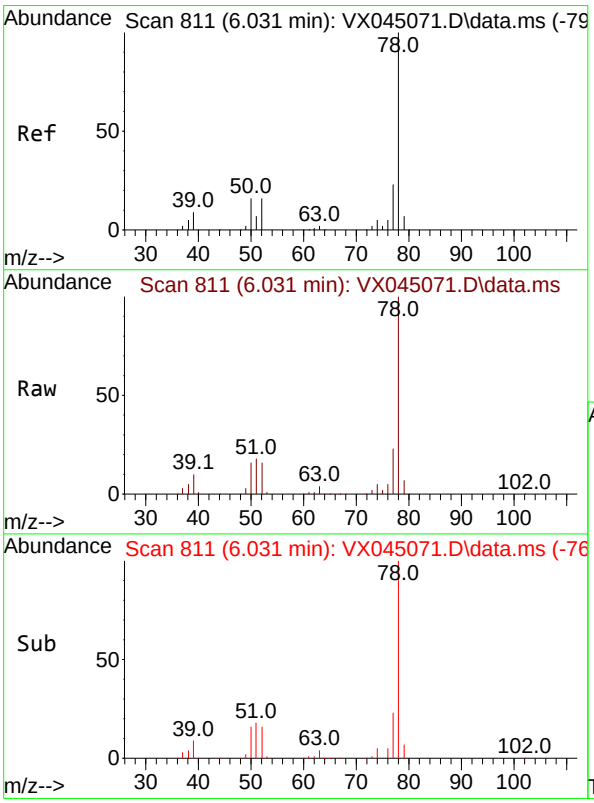
Ion	Ratio	Lower	Upper
83	100		
55	78.7	63.0	94.4
98	49.6	39.7	59.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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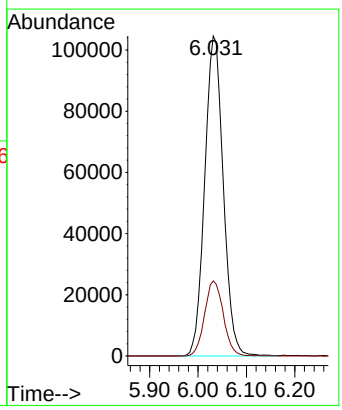


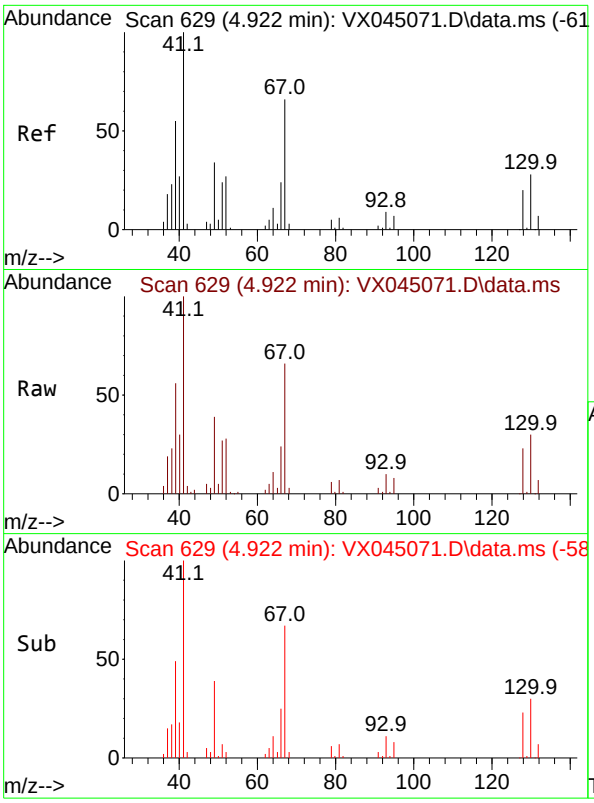


#40
Benzene
Concen: 50.925 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 78 Resp: 278802

Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.8	28.2

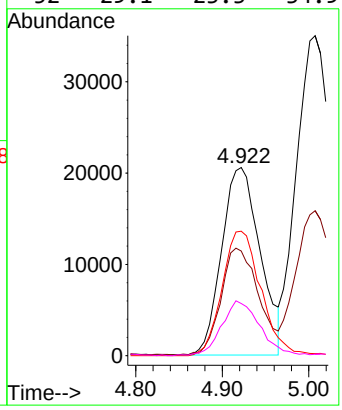




#41
Methacrylonitrile
Concen: 59.598 ug/l
RT: 4.922 min Scan# 6
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 41 Resp: 6345

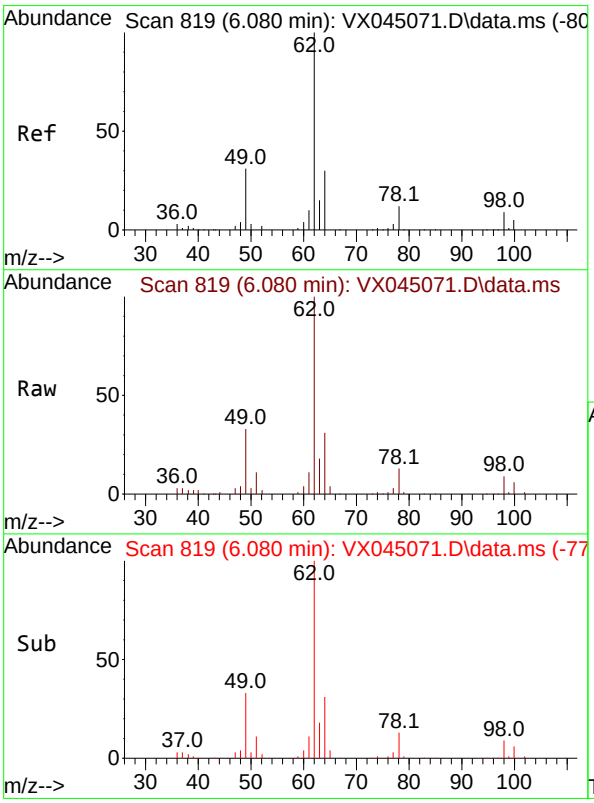
Ion	Ratio	Lower	Upper
41	100		
39	55.8	44.6	67.0
67	67.4	53.9	80.9
52	29.1	23.3	34.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

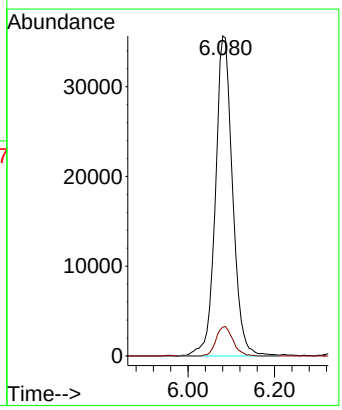
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

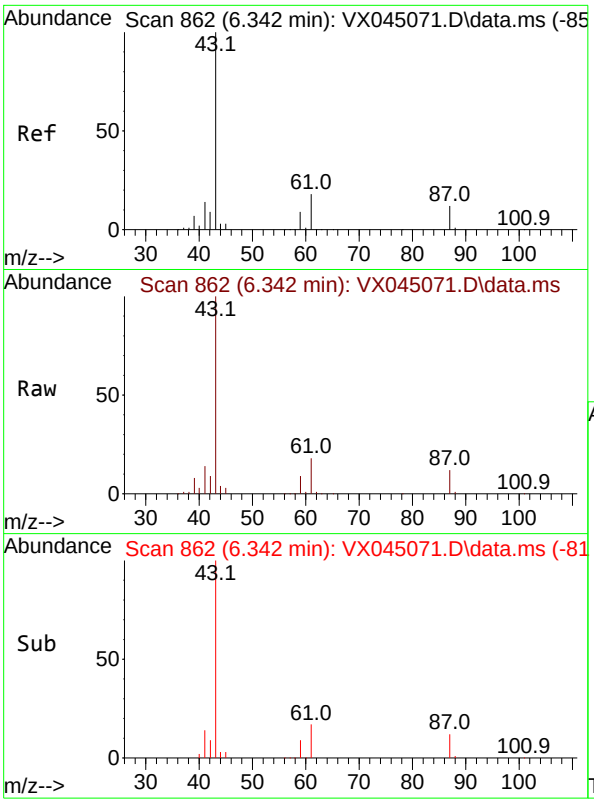


#42
1,2-Dichloroethane
Concen: 55.428 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 62 Resp: 98340

Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	18.2

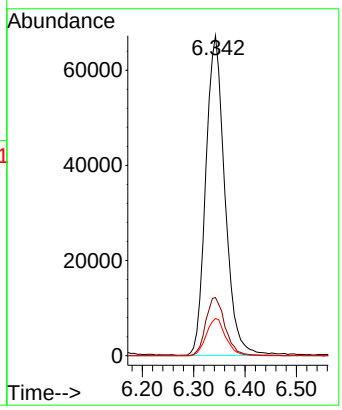




#43
Isopropyl Acetate
Concen: 54.544 ug/l
RT: 6.342 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 43 Resp: 17304

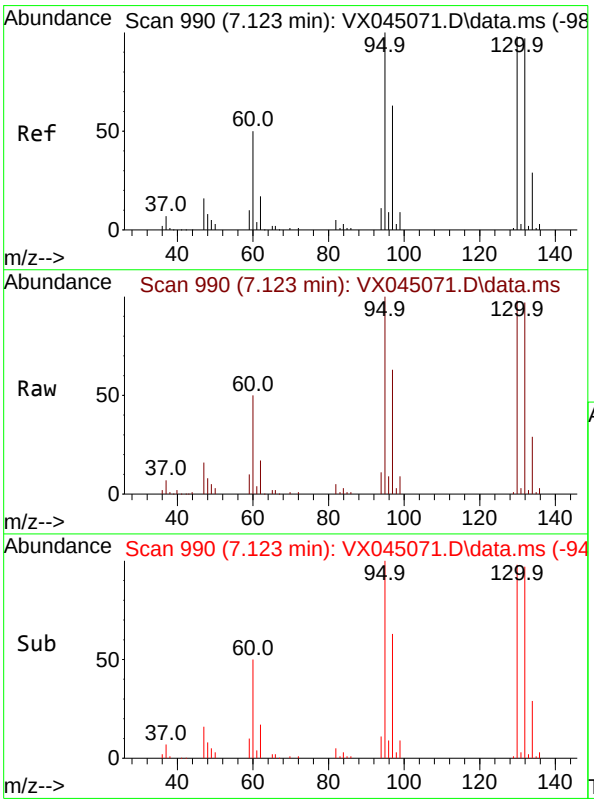
Ion	Ratio	Lower	Upper
43	100		
61	18.6	14.9	22.3
87	11.8	9.4	14.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

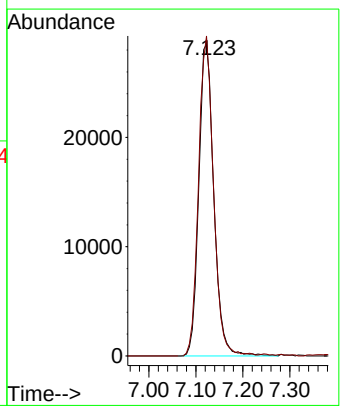
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

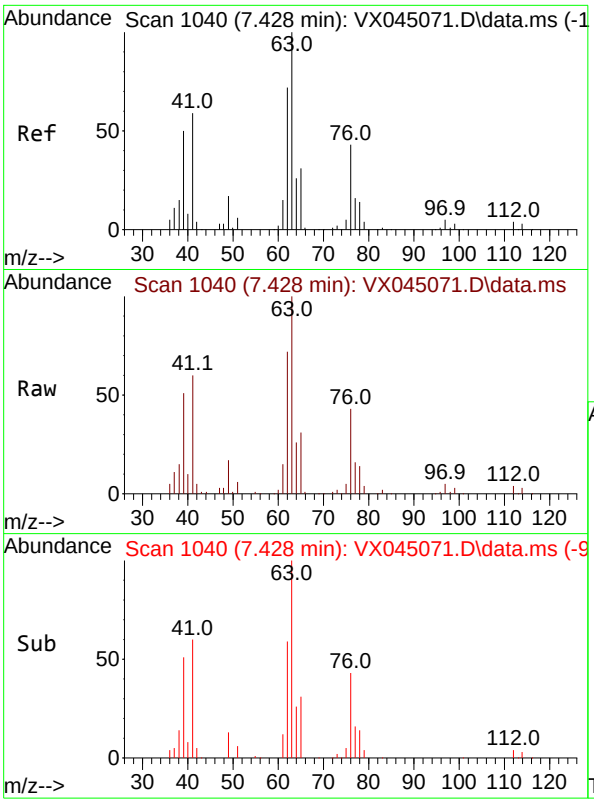


#44
Trichloroethene
Concen: 50.756 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:130 Resp: 63513

Ion	Ratio	Lower	Upper
130	100		
95	102.5	0.0	205.0

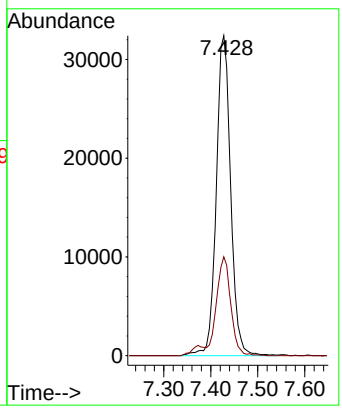




#45
1,2-Dichloropropane
Concen: 50.808 ug/l
RT: 7.428 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 63 Resp: 6912

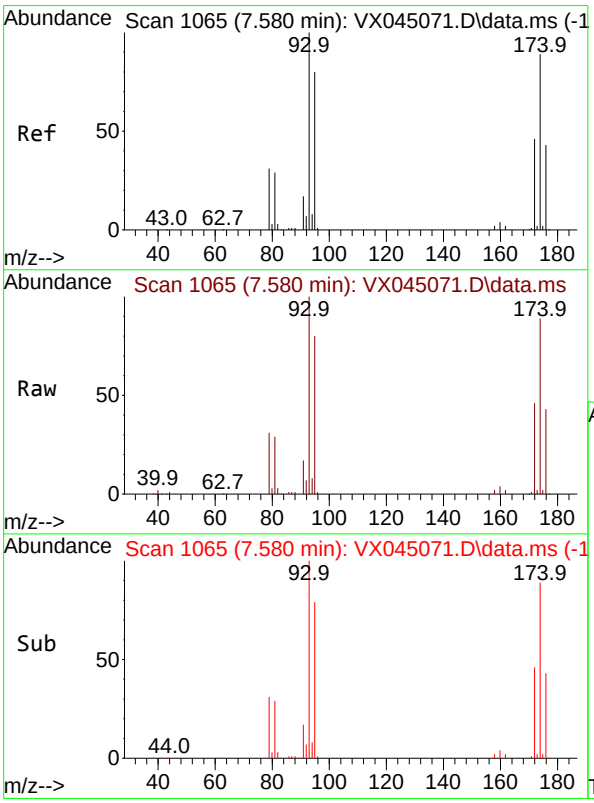
Ion	Ratio	Lower	Upper
63	100		
65	30.9	24.7	37.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

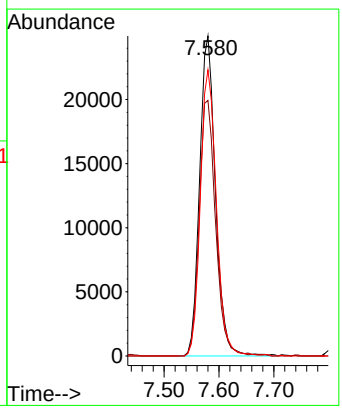
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

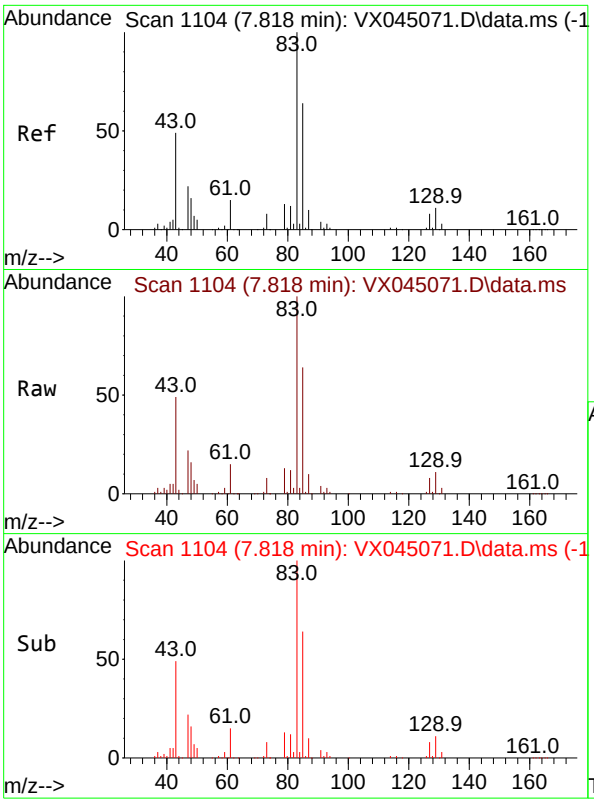


#46
Dibromomethane
Concen: 52.757 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

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

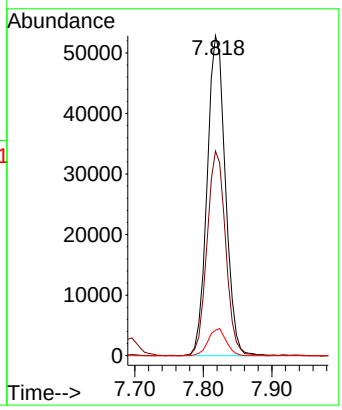




#47
Bromodichloromethane
Concen: 53.153 ug/l
RT: 7.818 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 83 Resp: 9772

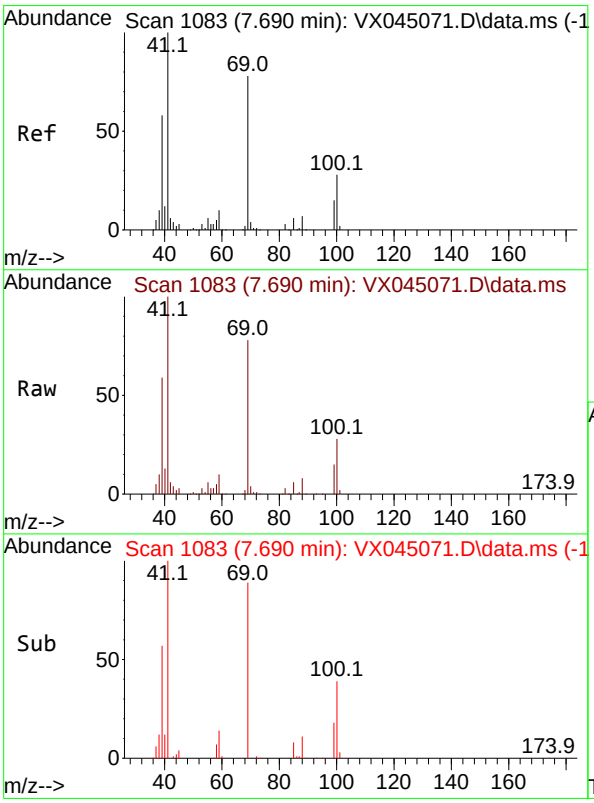
Ion	Ratio	Lower	Upper
83	100		
85	63.9	51.1	76.7
127	8.0	6.4	9.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

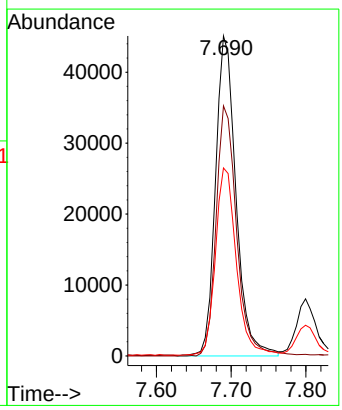
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

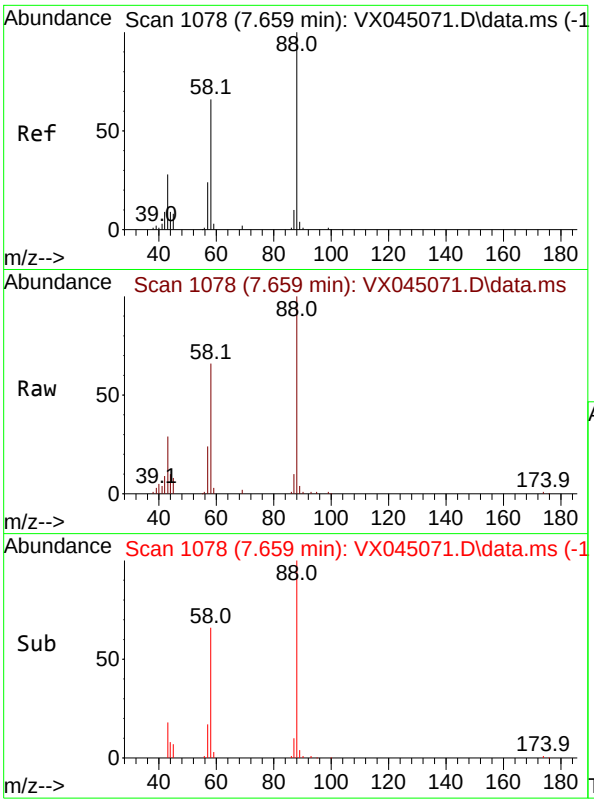


#48
Methyl methacrylate
Concen: 57.256 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

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

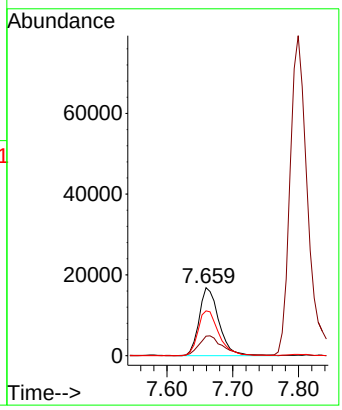




#49
1,4-Dioxane
Concen: 1095.003 ug/l
RT: 7.659 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 88 Resp: 3505

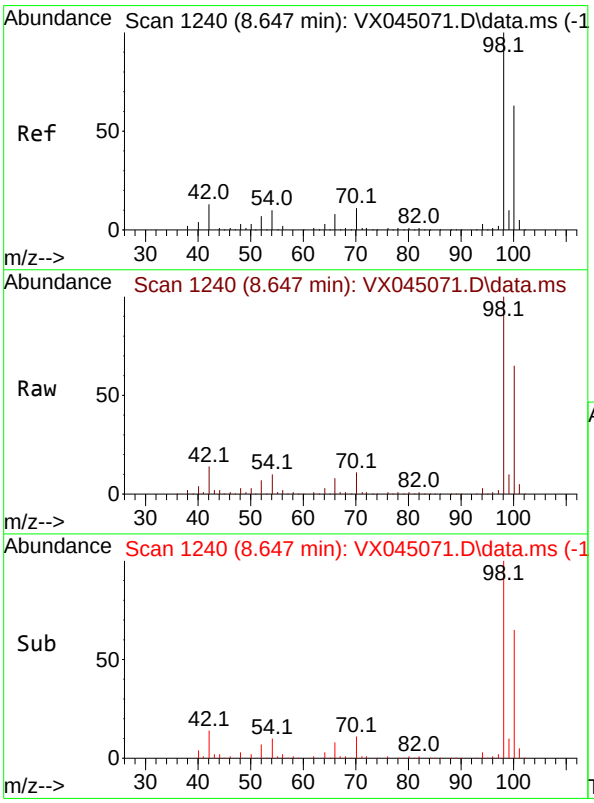
Ion	Ratio	Lower	Upper
88	100		
43	35.9	28.7	43.1
58	69.8	55.8	83.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

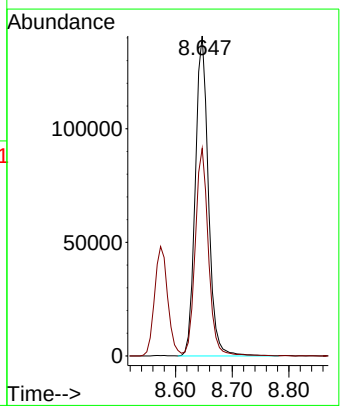
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

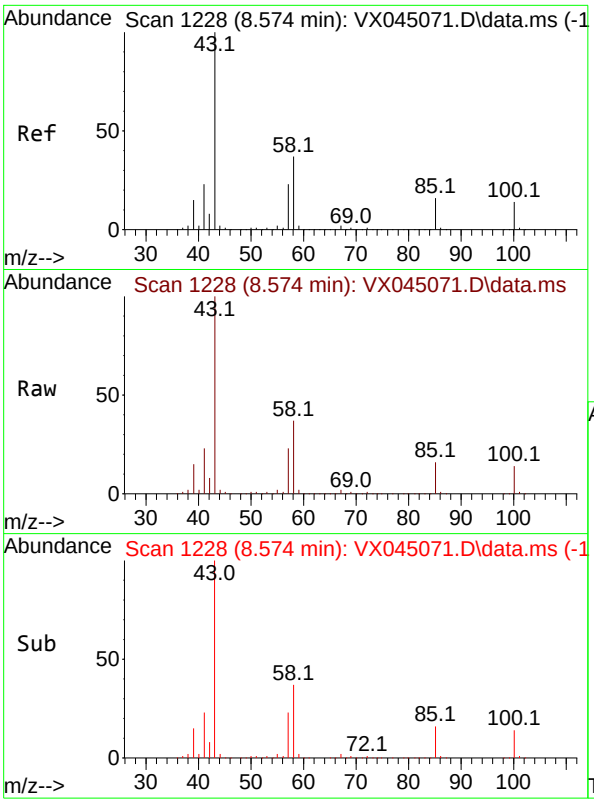


#50
Toluene-d8
Concen: 49.449 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 98 Resp: 225493

Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.0	78.0

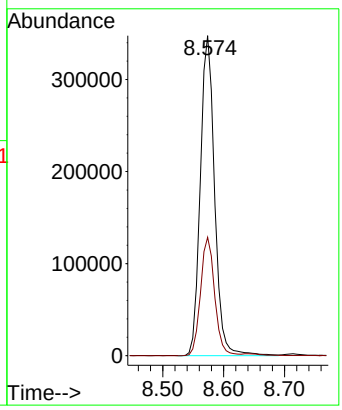




#51
4-Methyl-2-Pentanone
Concen: 292.570 ug/l
RT: 8.574 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 43 Resp: 56873

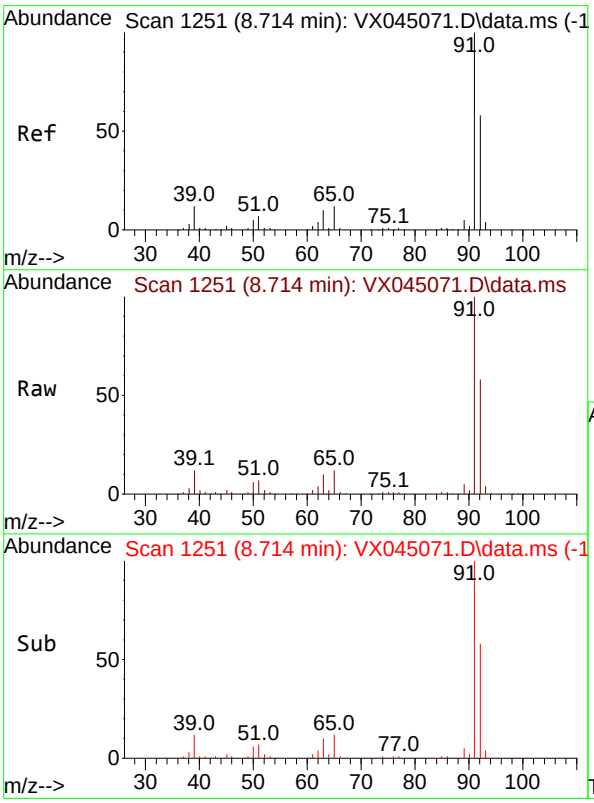
Ion	Ratio	Lower	Upper
43	100		
58	36.5	29.2	43.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

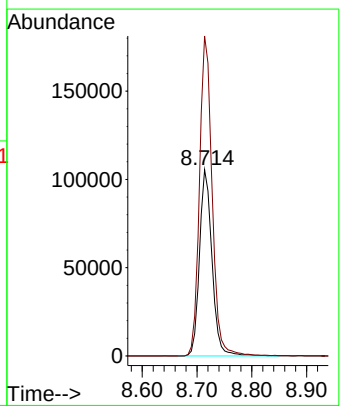
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

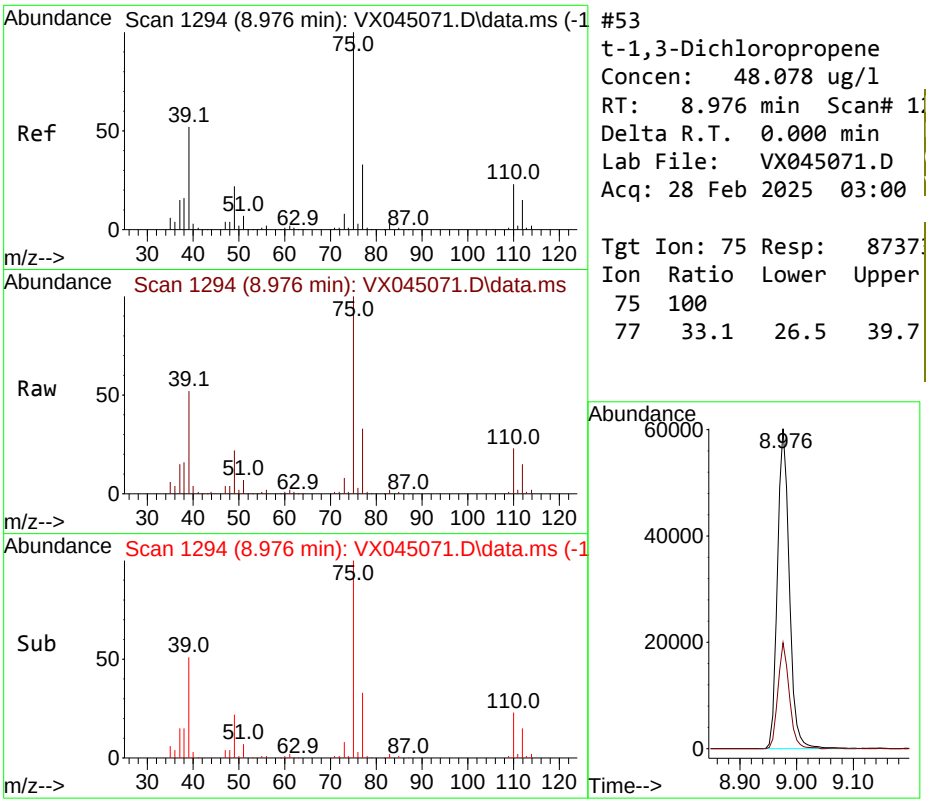


#52
Toluene
Concen: 51.505 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

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

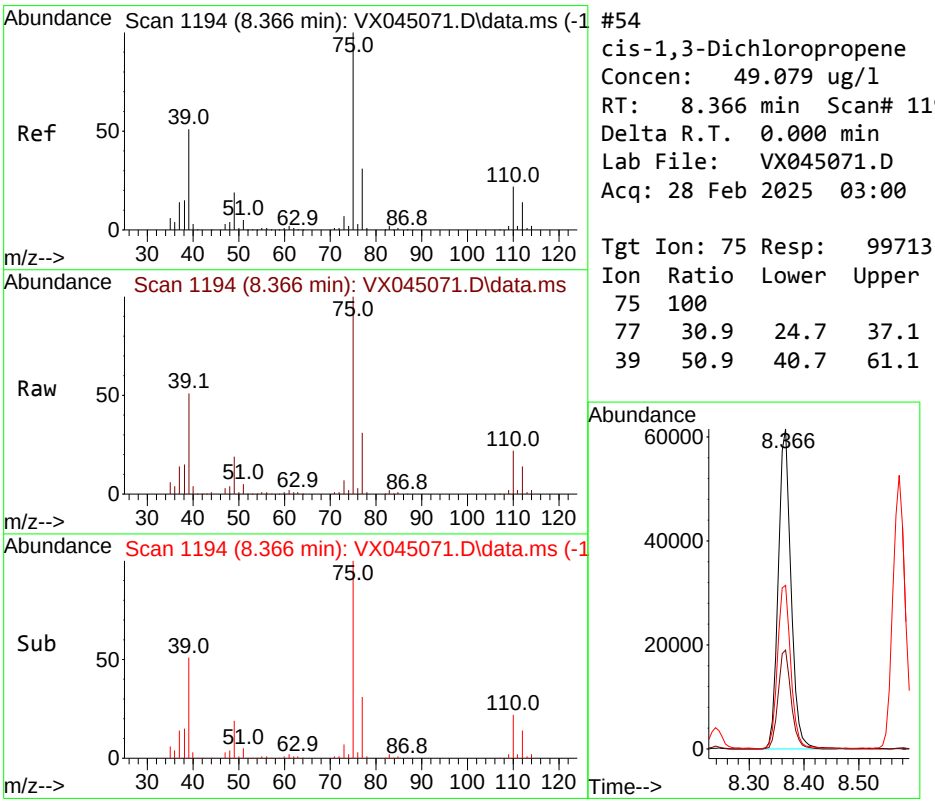
Tgt Ion: 75 Resp: 8737

Ion	Ratio	Lower	Upper
75	100		
77	33.1	26.5	39.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

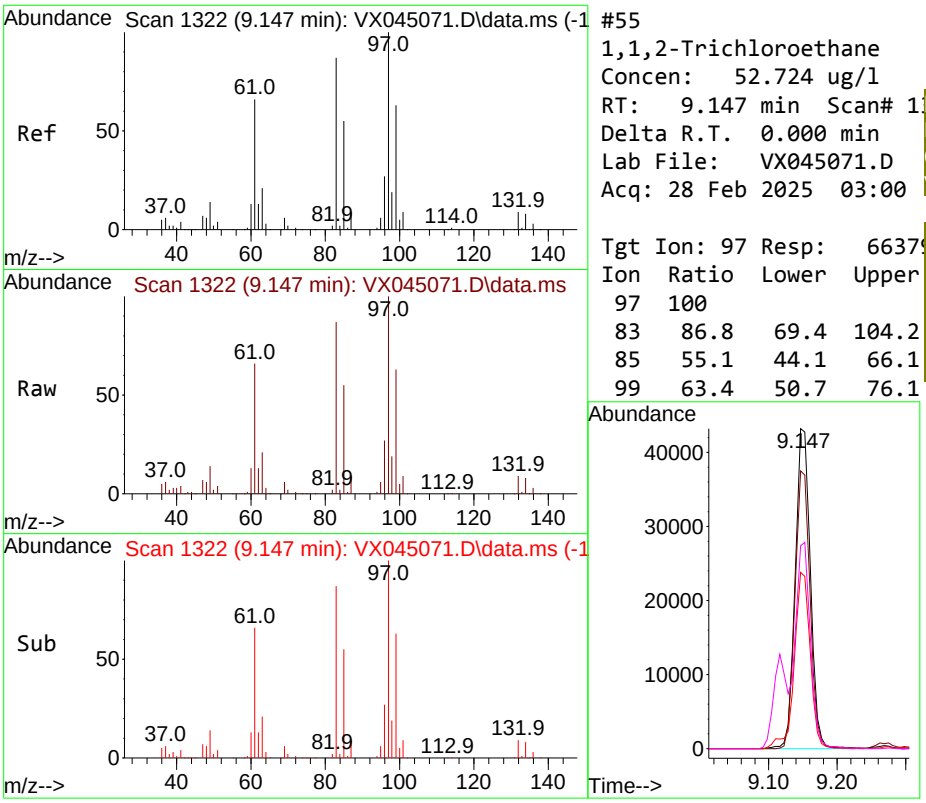
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#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

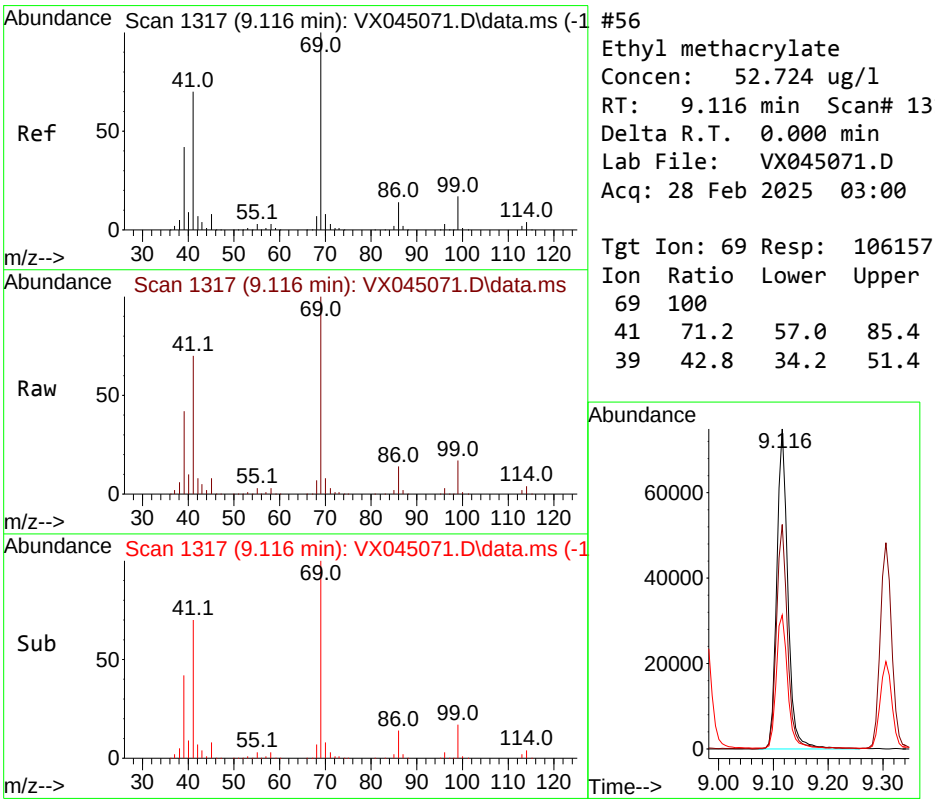
Tgt Ion: 97 Resp: 6637

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

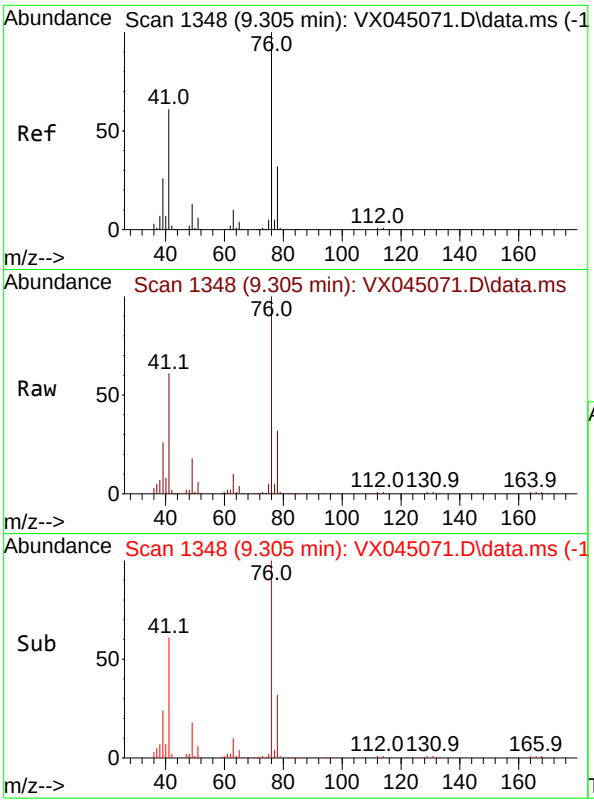
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#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

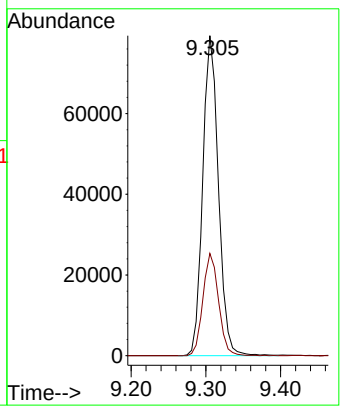
Ion	Ratio	Lower	Upper
69	100		
41	71.2	57.0	85.4
39	42.8	34.2	51.4



#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

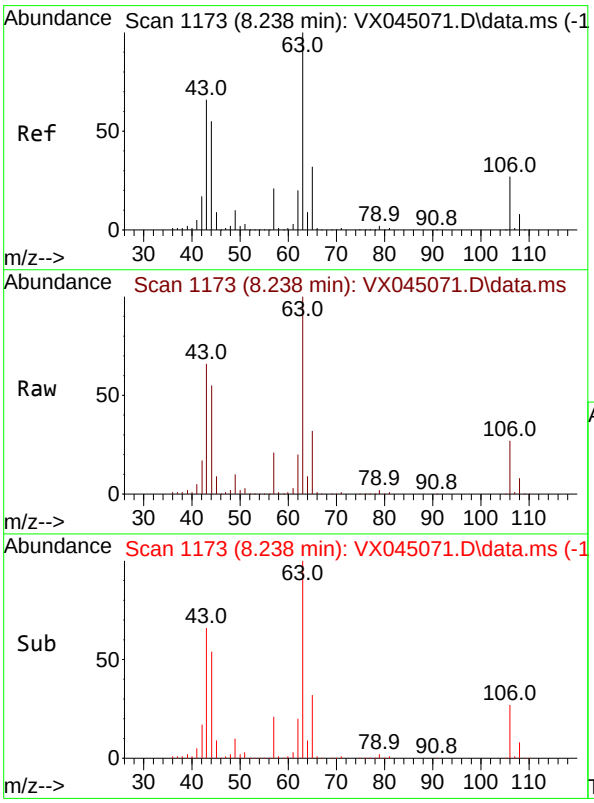
Ion	Ratio	Lower	Upper
76	100		
78	31.9	25.5	38.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

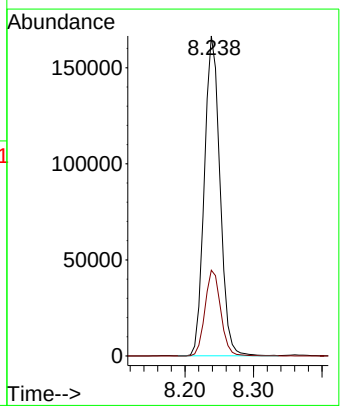
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

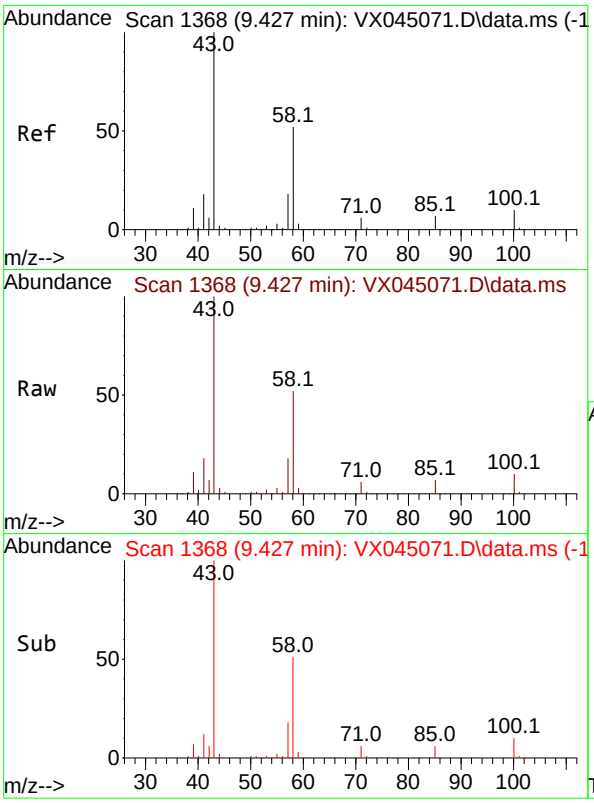


#58
2-Chloroethyl Vinyl ether
Concen: 267.612 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 63 Resp: 264555

Ion	Ratio	Lower	Upper
63	100		
106	26.9	21.5	32.3

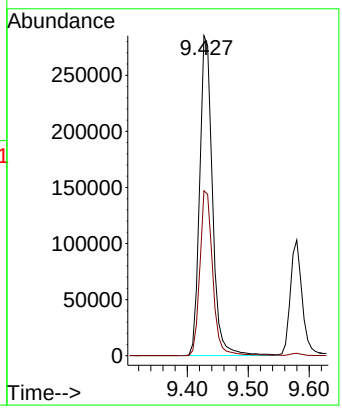




#59
2-Hexanone
Concen: 297.362 ug/l
RT: 9.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 43 Resp: 41698

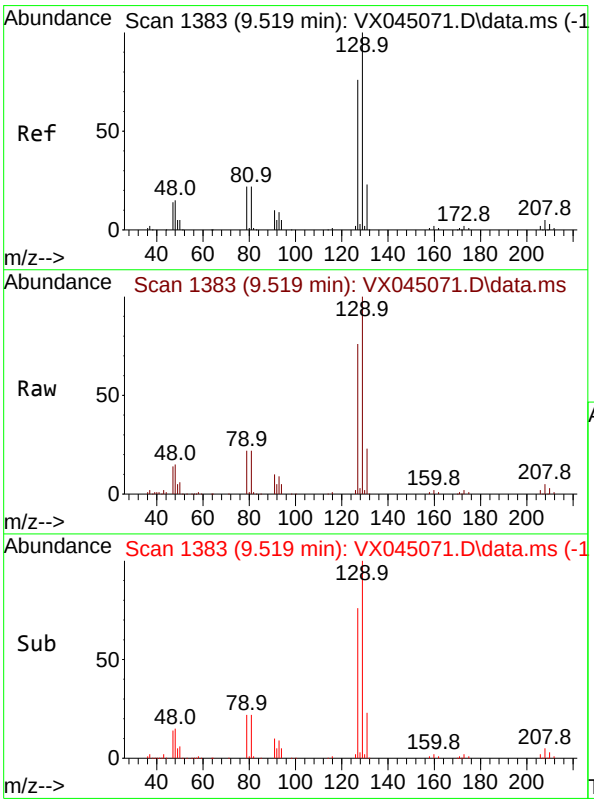
Ion	Ratio	Lower	Upper
43	100		
58	51.7	25.9	77.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

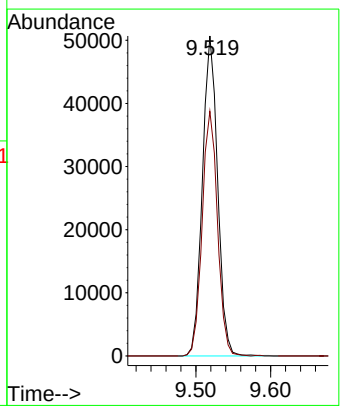
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

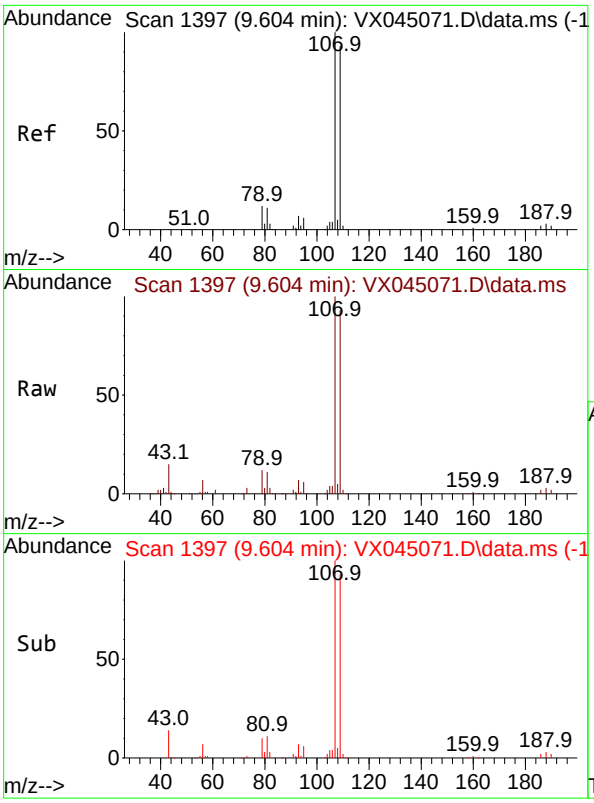


#60
Dibromochloromethane
Concen: 53.284 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:129 Resp: 71569

Ion	Ratio	Lower	Upper
129	100		
127	77.0	38.5	115.5

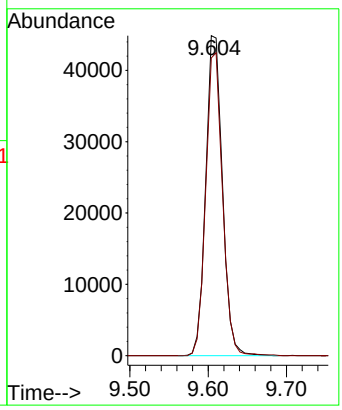




#61
1,2-Dibromoethane
Concen: 52.217 ug/l
RT: 9.604 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:107 Resp: 6631

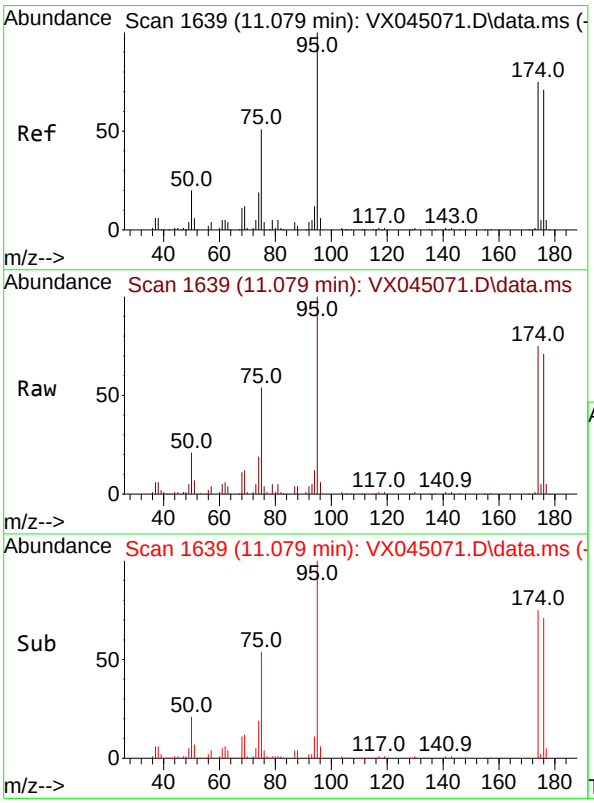
Ion	Ratio	Lower	Upper
107	100		
109	95.1	76.1	114.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

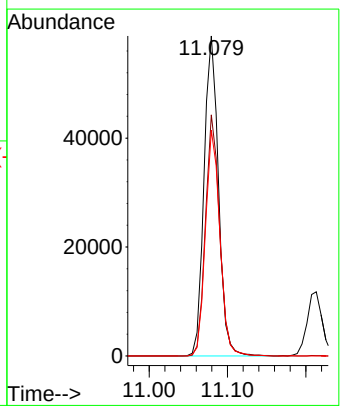
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

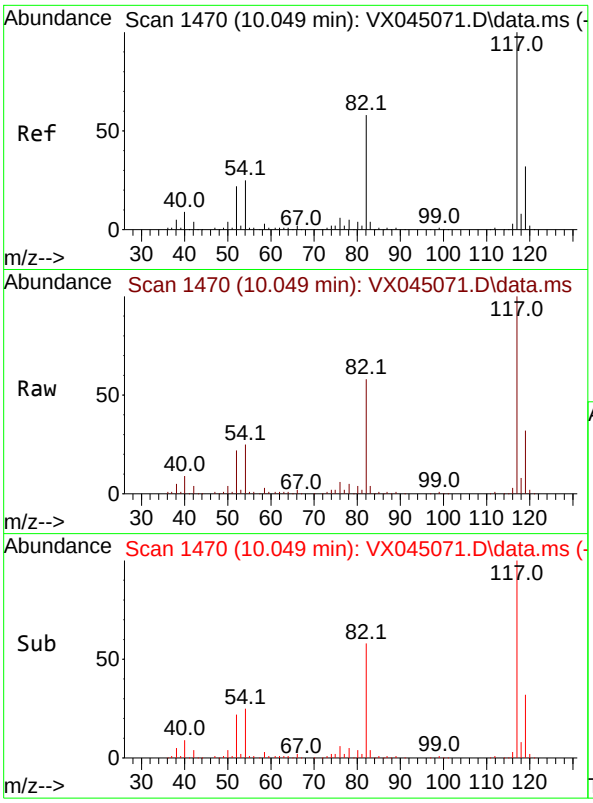


#62
4-Bromofluorobenzene
Concen: 49.212 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

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

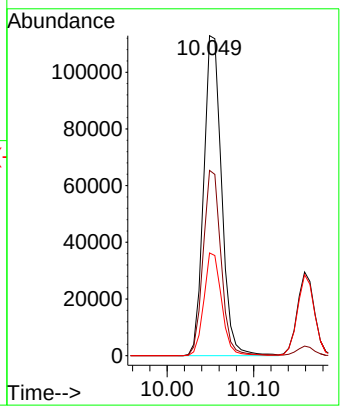
Tgt Ion:117 Resp: 16207

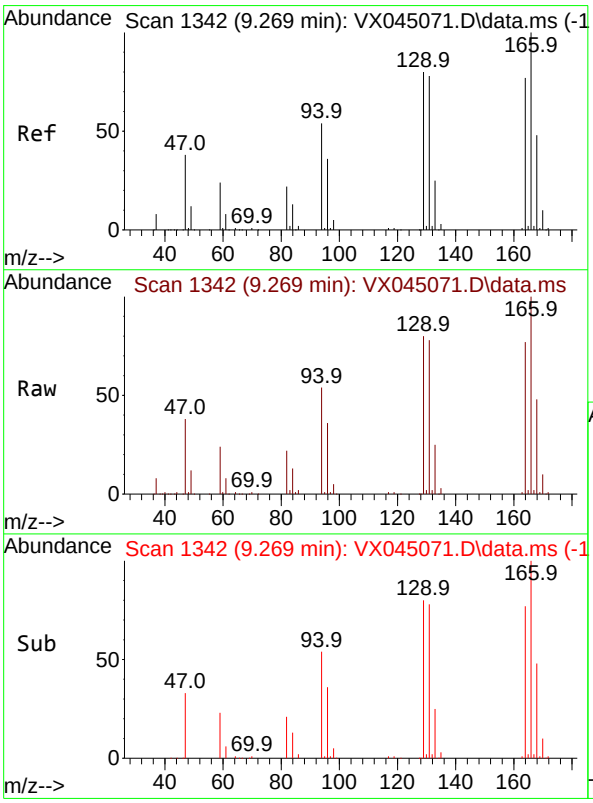
Ion	Ratio	Lower	Upper
117	100		
82	57.9	46.3	69.5
119	32.1	25.7	38.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
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Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

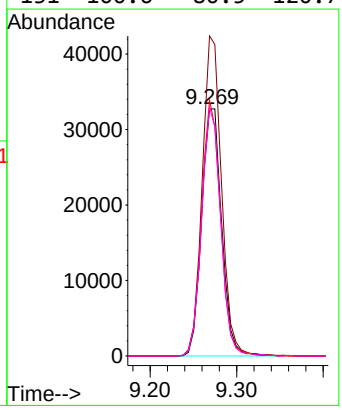


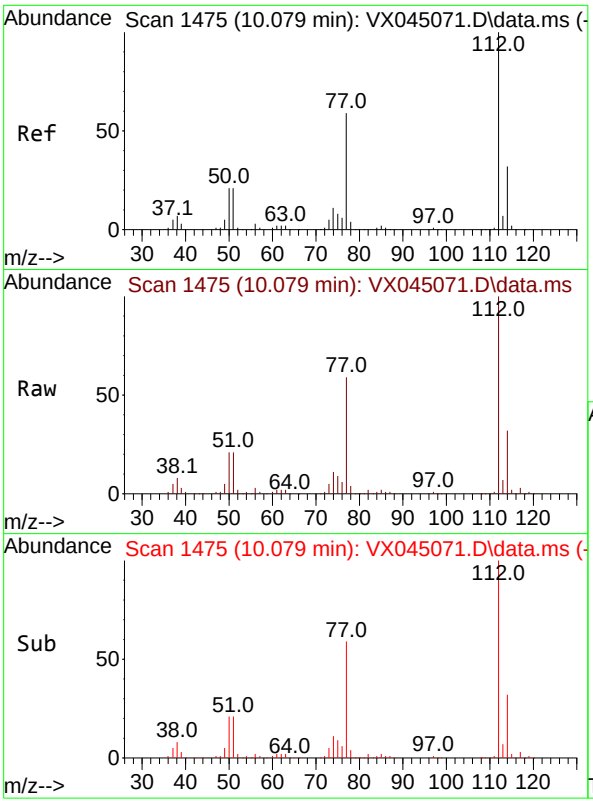


#64
Tetrachloroethene
Concen: 51.021 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

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

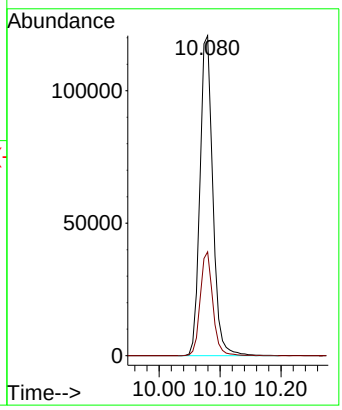




#65
Chlorobenzene
Concen: 50.853 ug/l
RT: 10.079 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:112 Resp: 17692

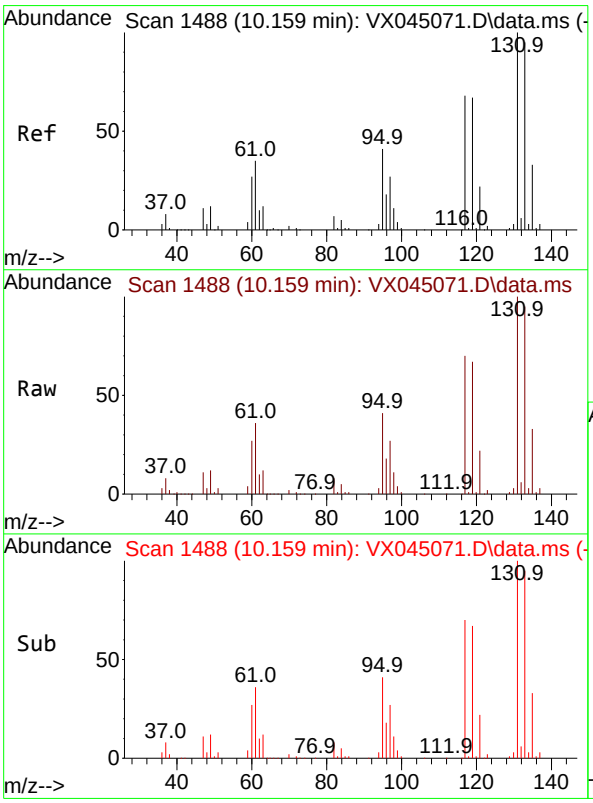
Ion	Ratio	Lower	Upper
112	100		
114	32.5	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

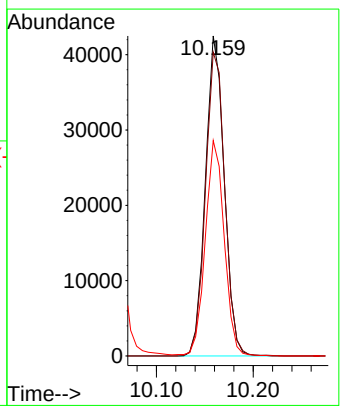
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

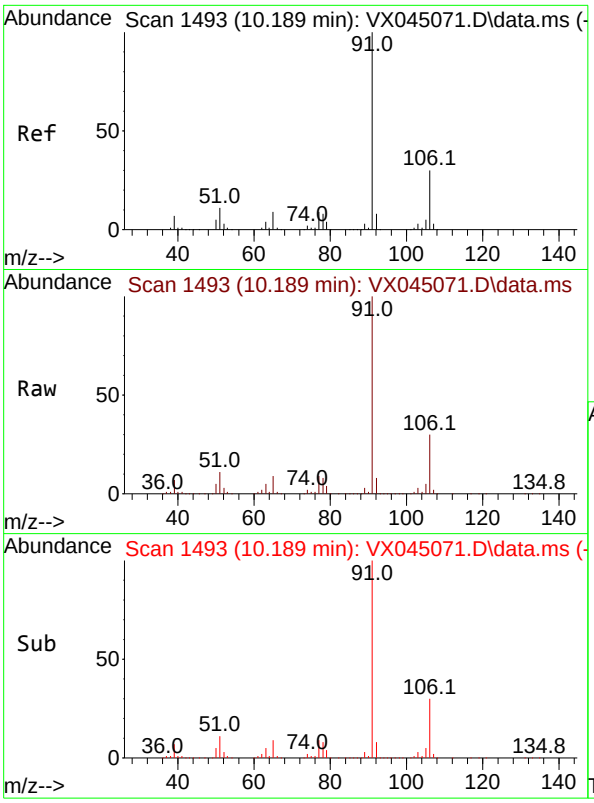


#66
1,1,1,2-Tetrachloroethane
Concen: 51.402 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

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

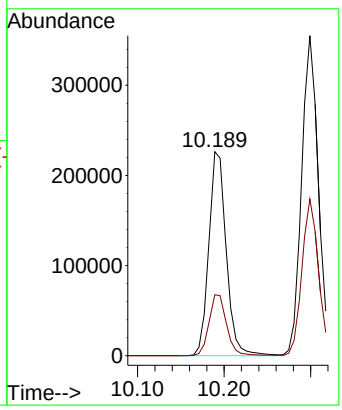




#67
Ethyl Benzene
Concen: 51.431 ug/l
RT: 10.189 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 91 Resp: 31642

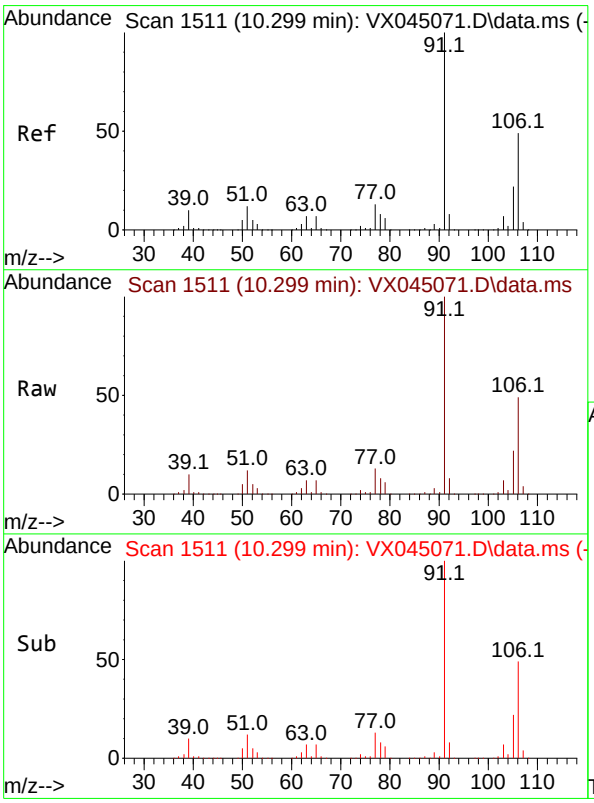
Ion	Ratio	Lower	Upper
91	100		
106	29.9	23.9	35.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

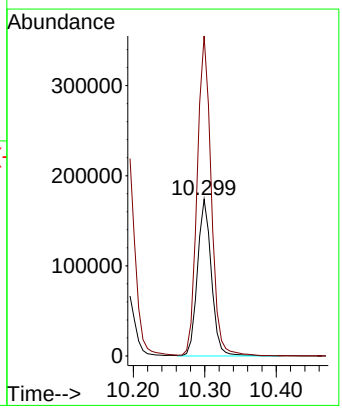
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

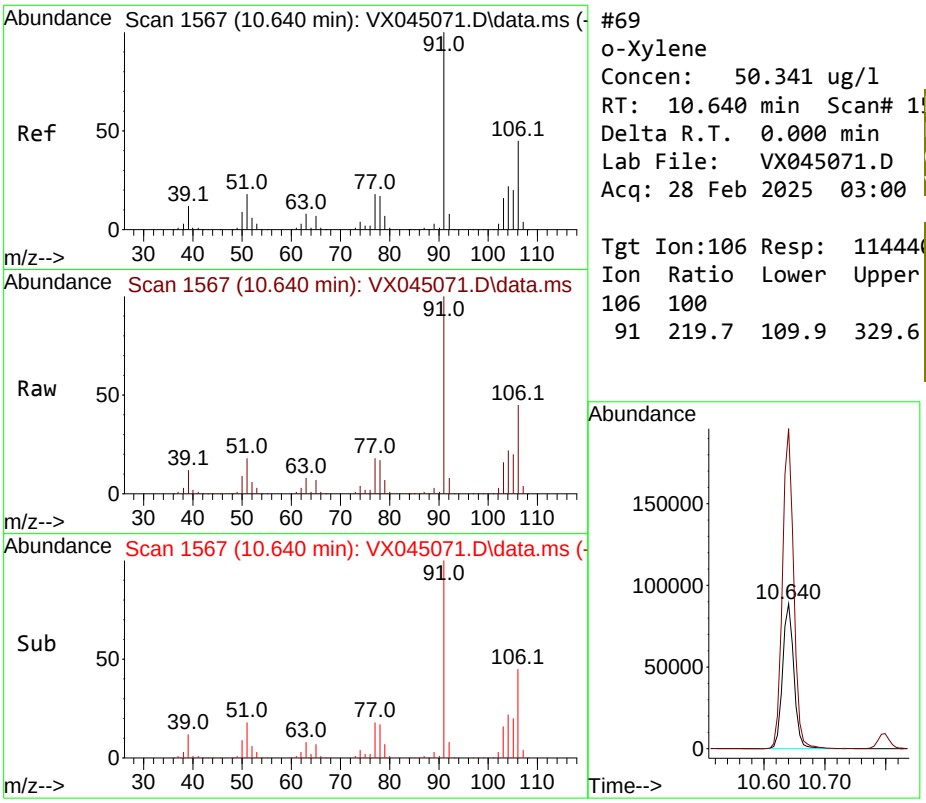


#68
m/p-Xylenes
Concen: 103.515 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

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

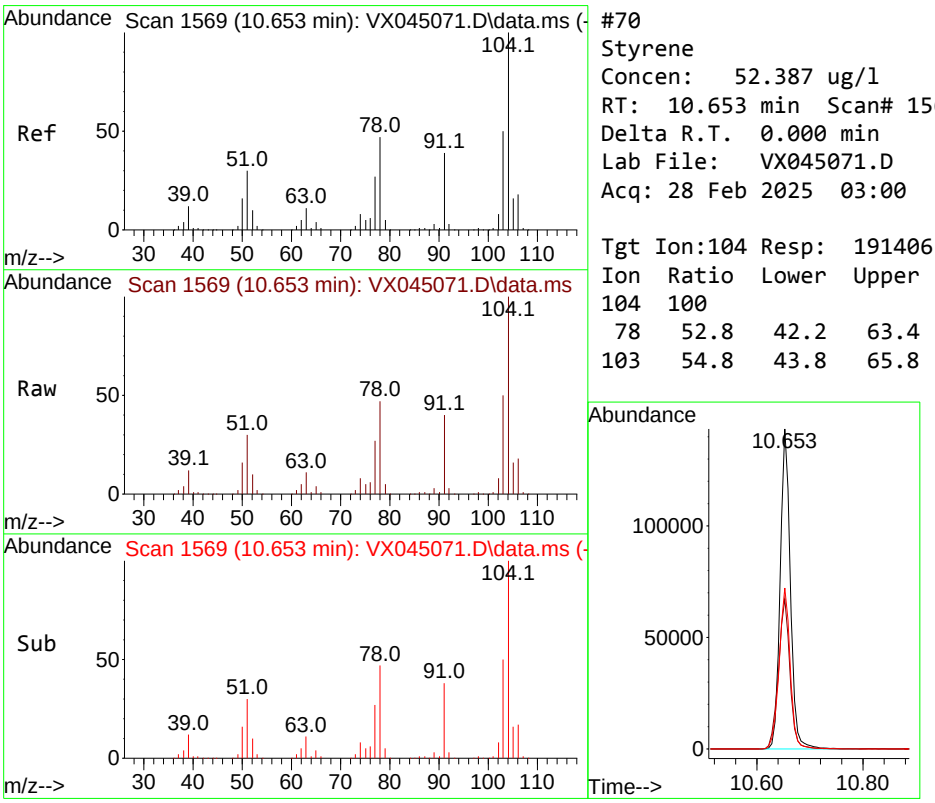
Tgt Ion:106 Resp: 11444

Ion	Ratio	Lower	Upper
106	100		
91	219.7	109.9	329.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

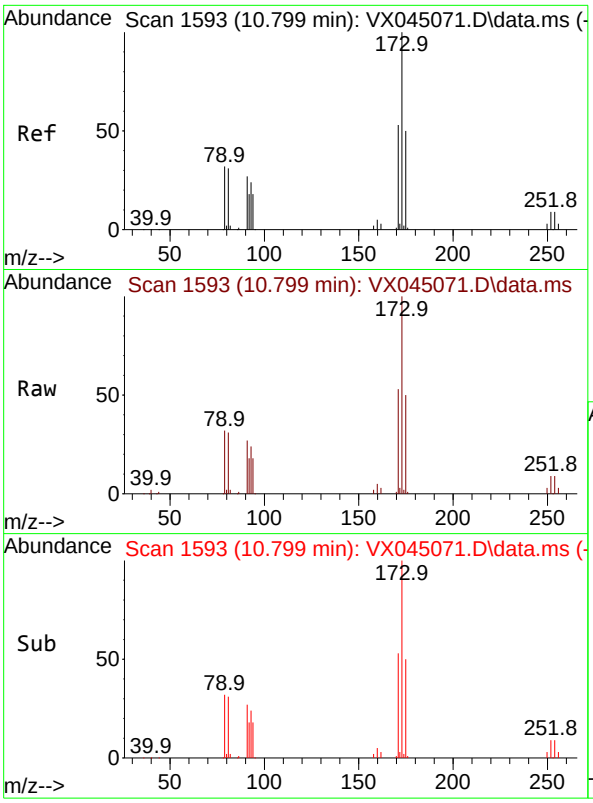
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#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

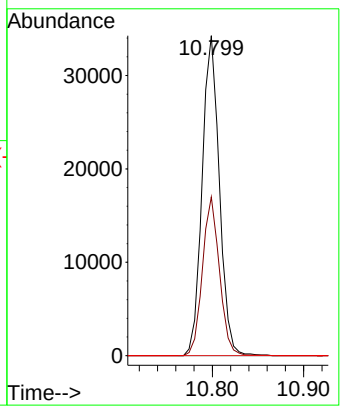
Ion	Ratio	Lower	Upper
104	100		
78	52.8	42.2	63.4
103	54.8	43.8	65.8



#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

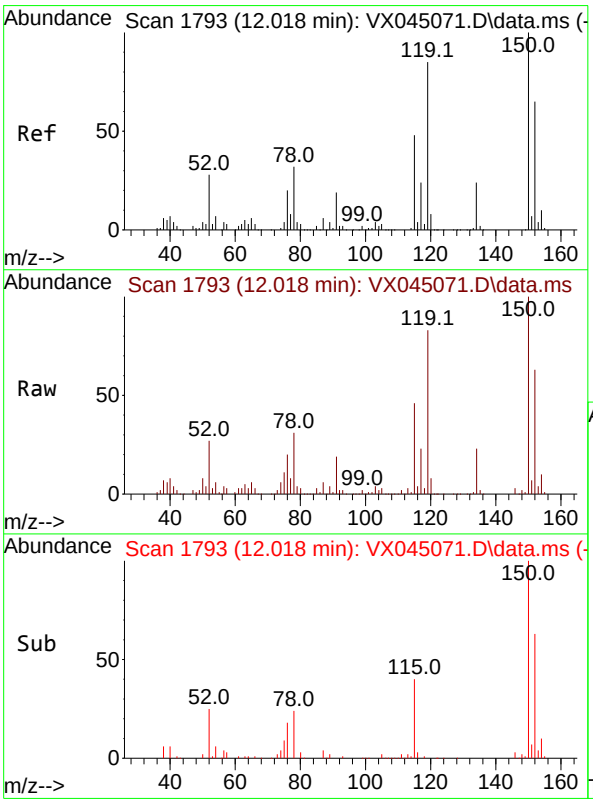
Ion	Ratio	Lower	Upper
173	100		
175	49.1	24.6	73.6
254	0.0	0.0	0.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

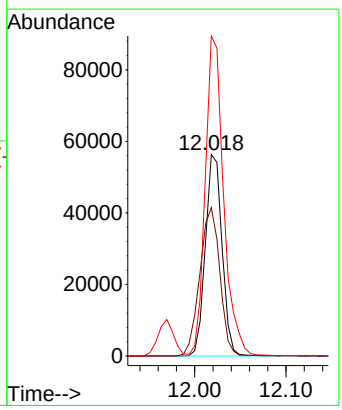
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

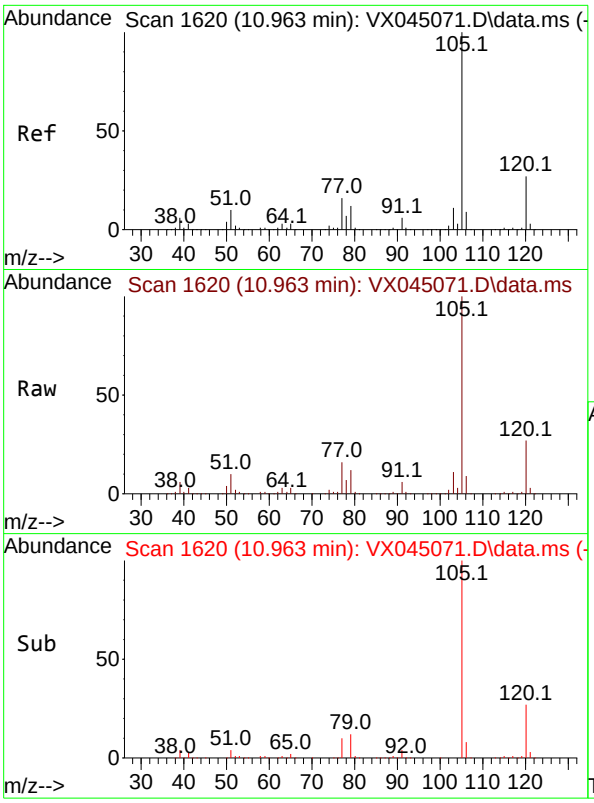


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

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

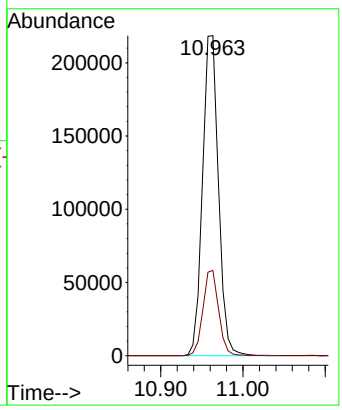




#73
Isopropylbenzene
Concen: 51.167 ug/l
RT: 10.963 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:105 Resp: 29469

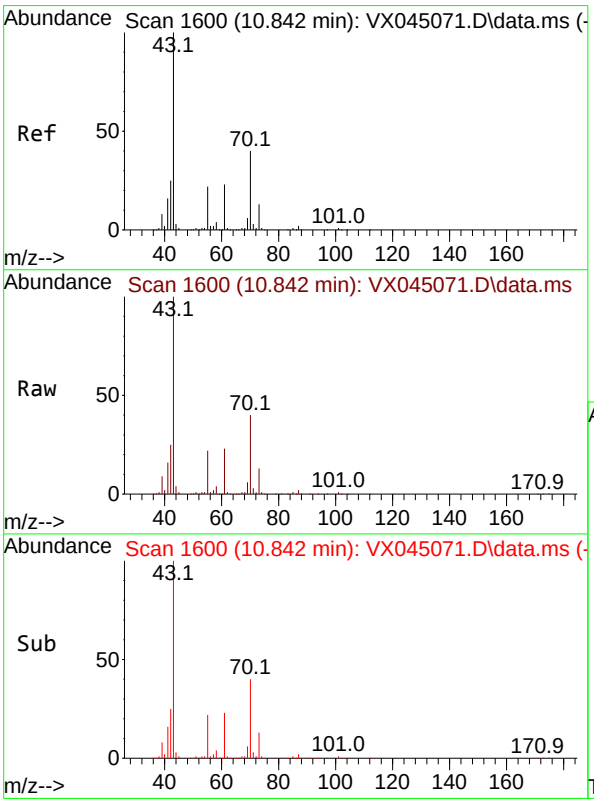
Ion	Ratio	Lower	Upper
105	100		
120	26.3	13.2	39.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

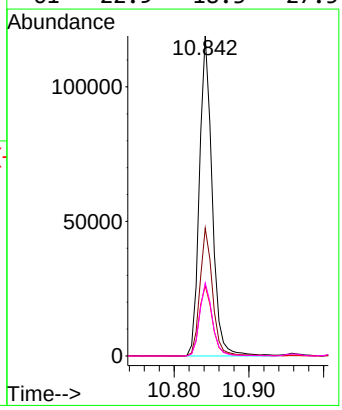
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

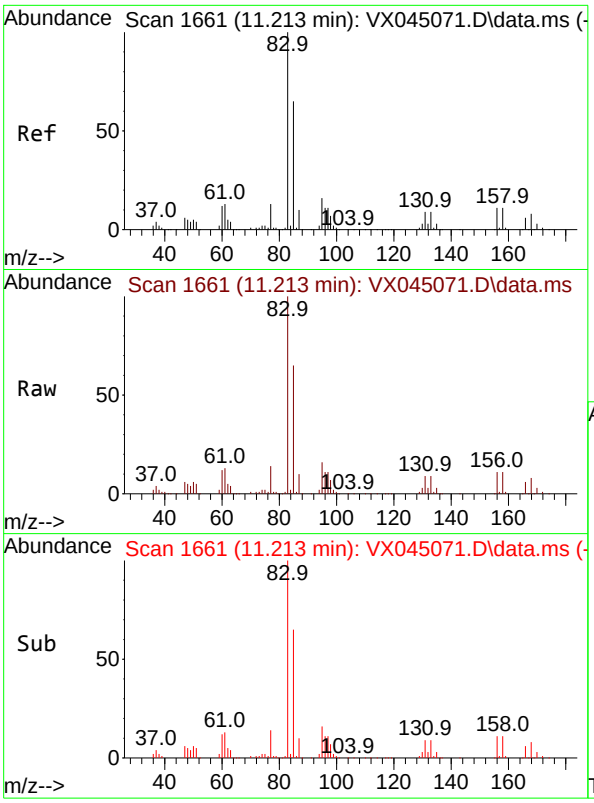


#74
N-amyl acetate
Concen: 53.881 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

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

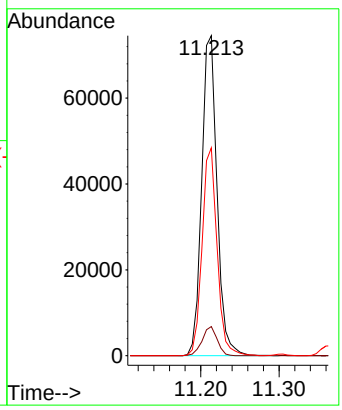




#75
1,1,2,2-Tetrachloroethane
Concen: 50.945 ug/l
RT: 11.213 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 83 Resp: 10108

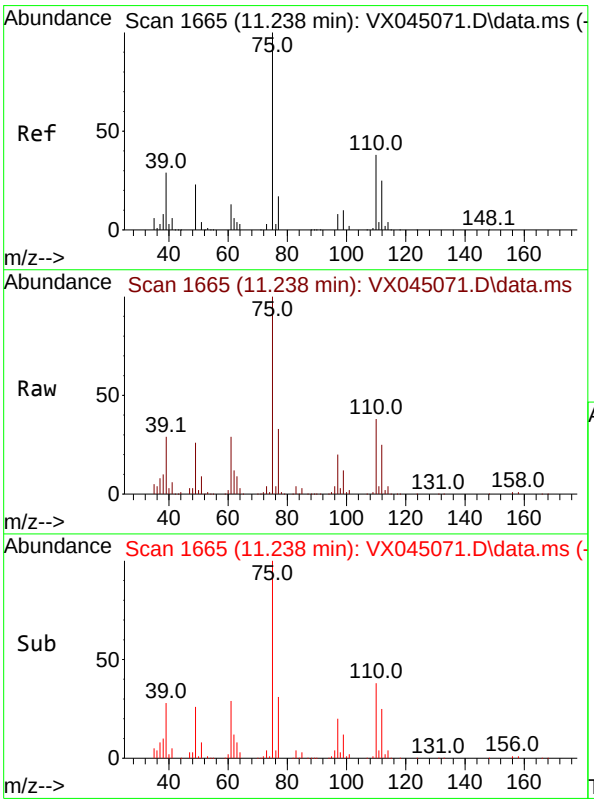
Ion	Ratio	Lower	Upper
83	100		
131	8.9	4.5	13.4
85	63.4	31.7	95.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
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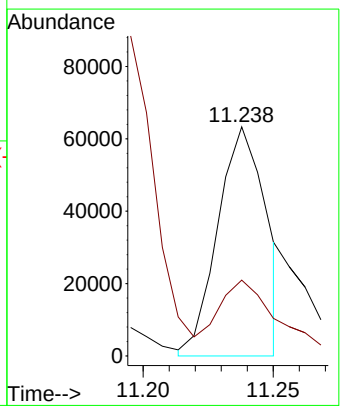
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

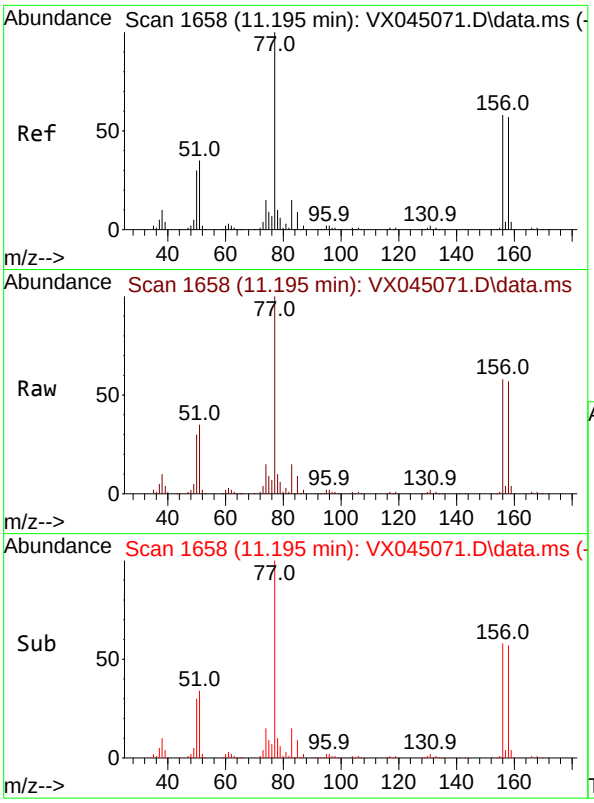


#76
1,2,3-Trichloropropane
Concen: 51.421 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 75 Resp: 81743

Ion	Ratio	Lower	Upper
75	100		
77	41.4	20.7	62.1

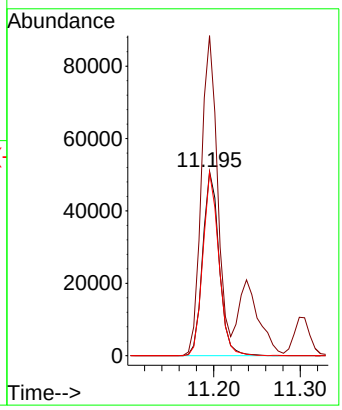




#77
Bromobenzene
Concen: 51.173 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:156 Resp: 6690

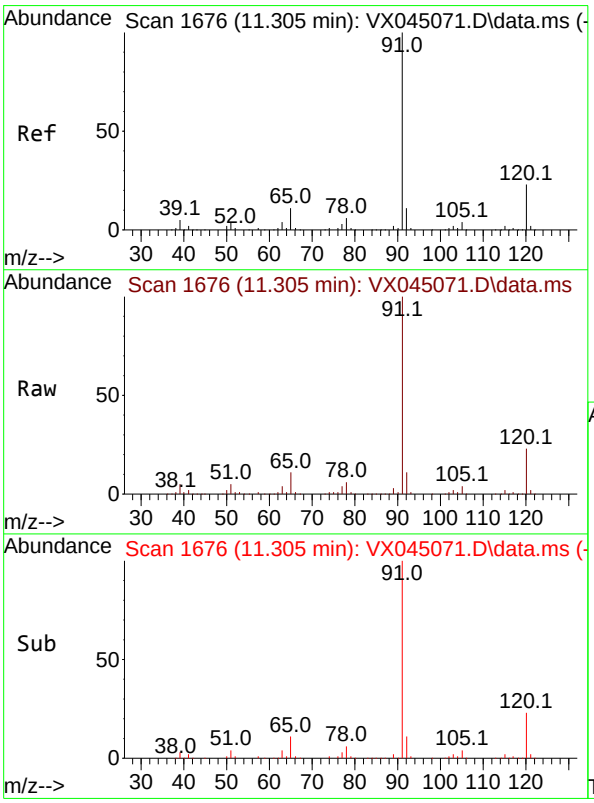
Ion	Ratio	Lower	Upper
156	100		
77	171.6	85.8	257.4
158	96.8	48.4	145.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

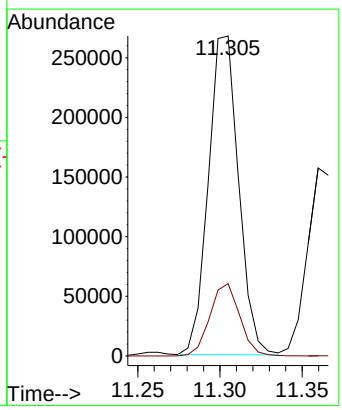
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

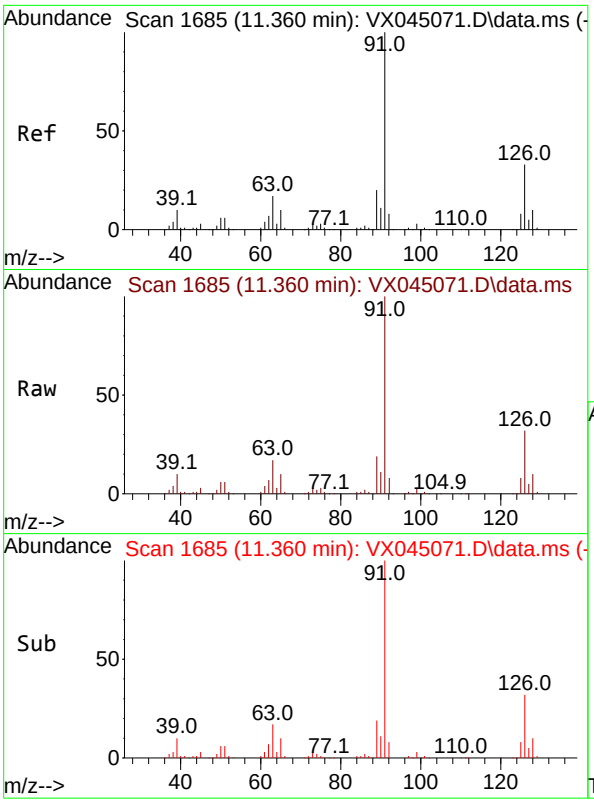


#78
n-propylbenzene
Concen: 51.546 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 91 Resp: 342399

Ion	Ratio	Lower	Upper
91	100		
120	22.4	11.2	33.6

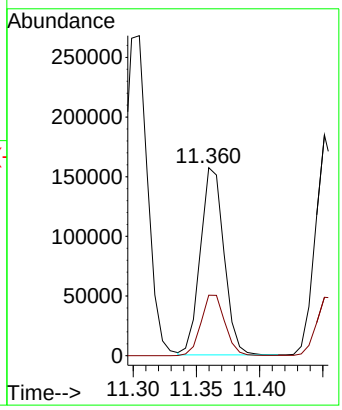




#79
2-Chlorotoluene
Concen: 50.154 ug/l
RT: 11.360 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 91 Resp: 20448

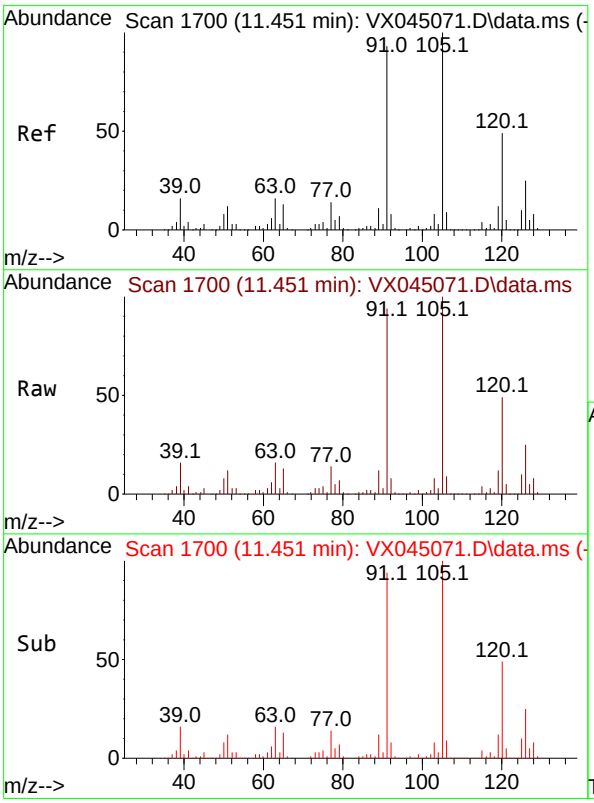
Ion	Ratio	Lower	Upper
91	100		
126	32.9	16.4	49.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

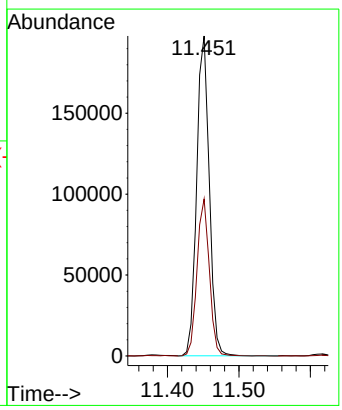
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

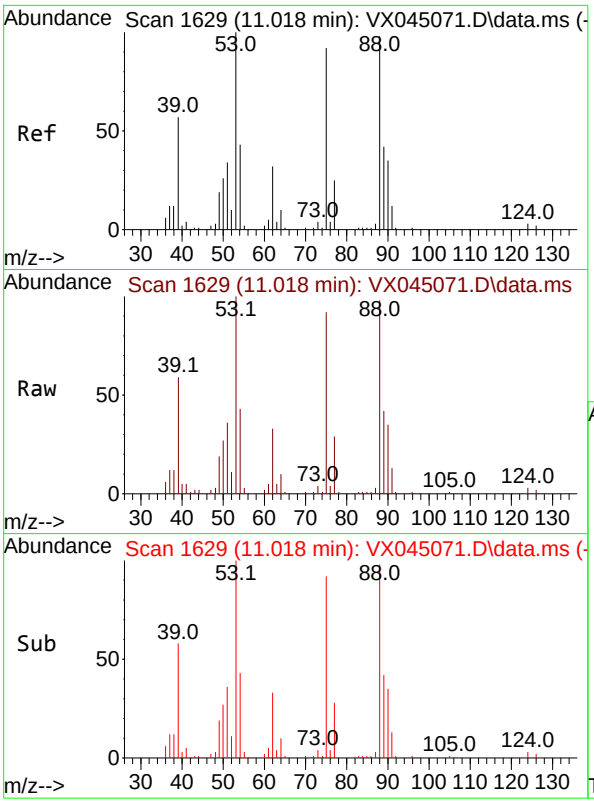


#80
1,3,5-Trimethylbenzene
Concen: 51.613 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

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

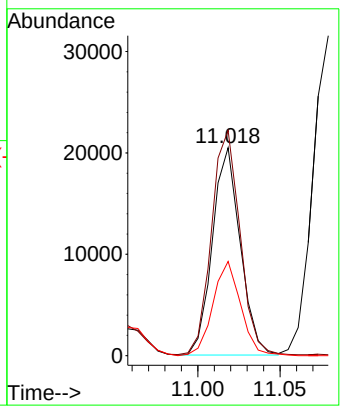
Tgt Ion: 75 Resp: 2413

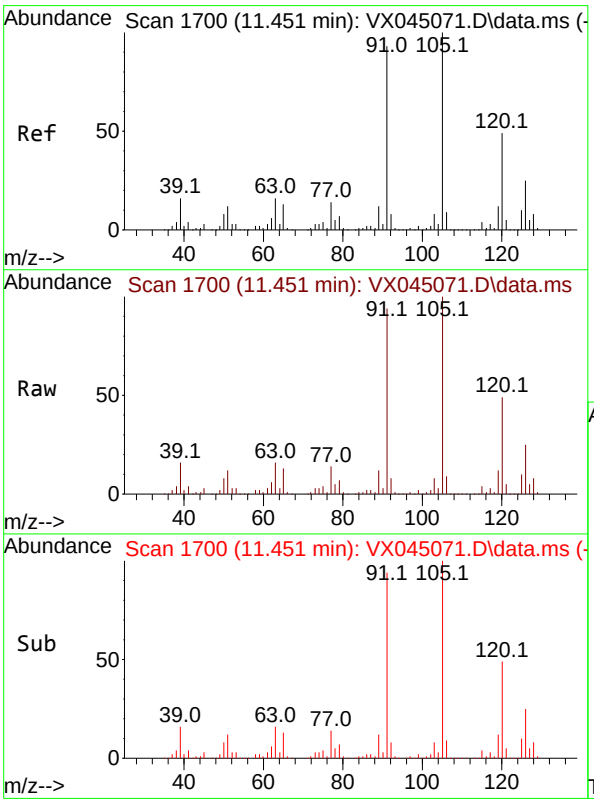
Ion	Ratio	Lower	Upper
75	100		
53	110.6	88.5	132.7
89	45.3	36.2	54.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

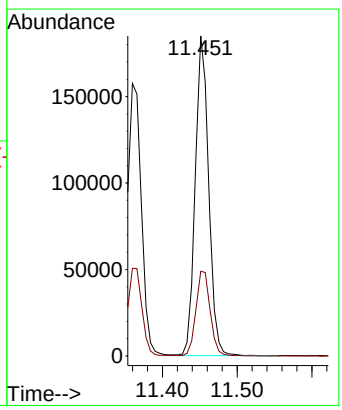


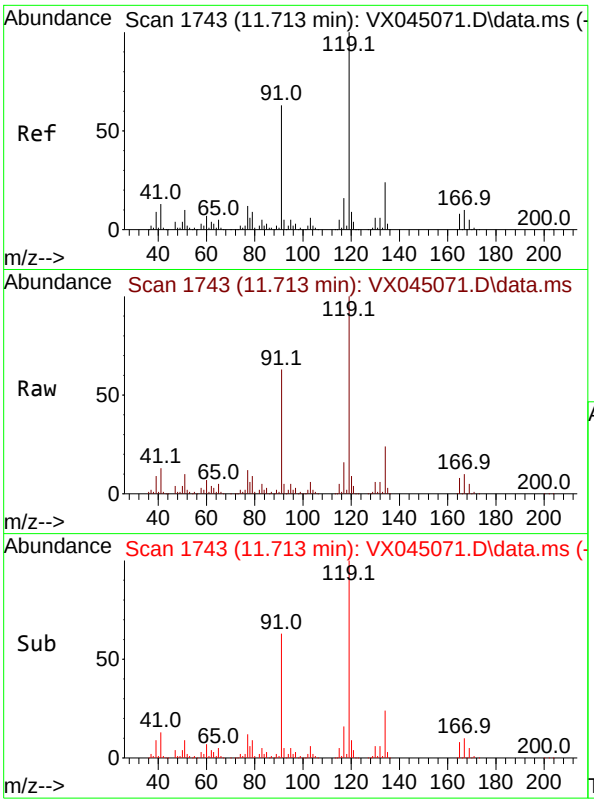


#82
4-Chlorotoluene
Concen: 51.072 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 91 Resp: 230493

Ion	Ratio	Lower	Upper
91	100		
126	28.3	14.1	42.4

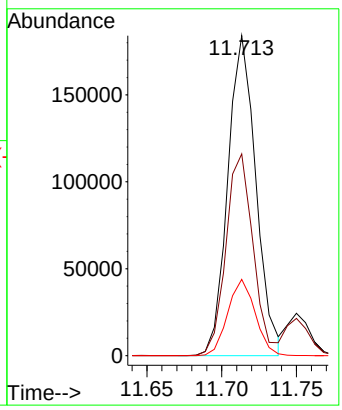




#83
tert-Butylbenzene
Concen: 50.895 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:119 Resp: 24051

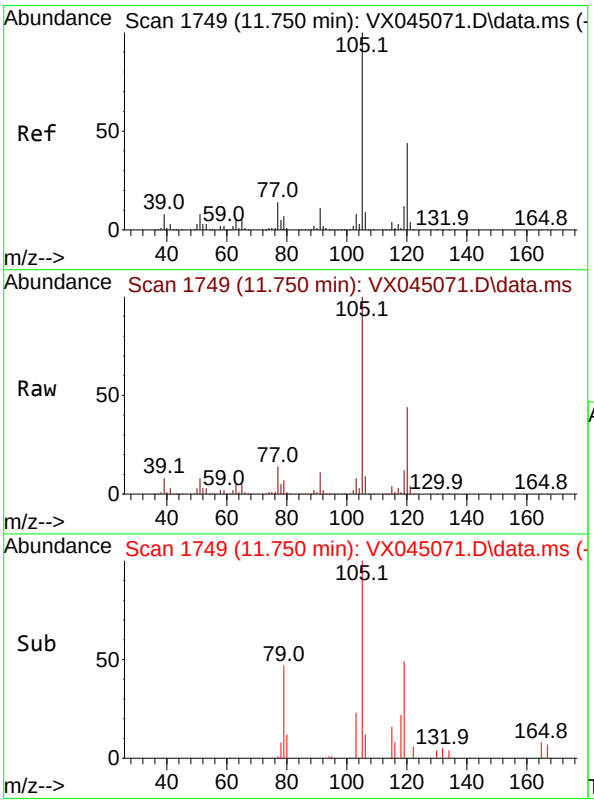
Ion	Ratio	Lower	Upper
119	100		
91	61.4	30.7	92.1
134	23.3	11.7	35.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

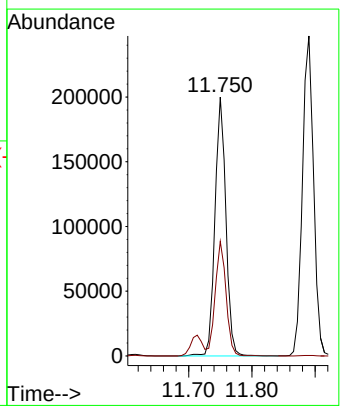
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

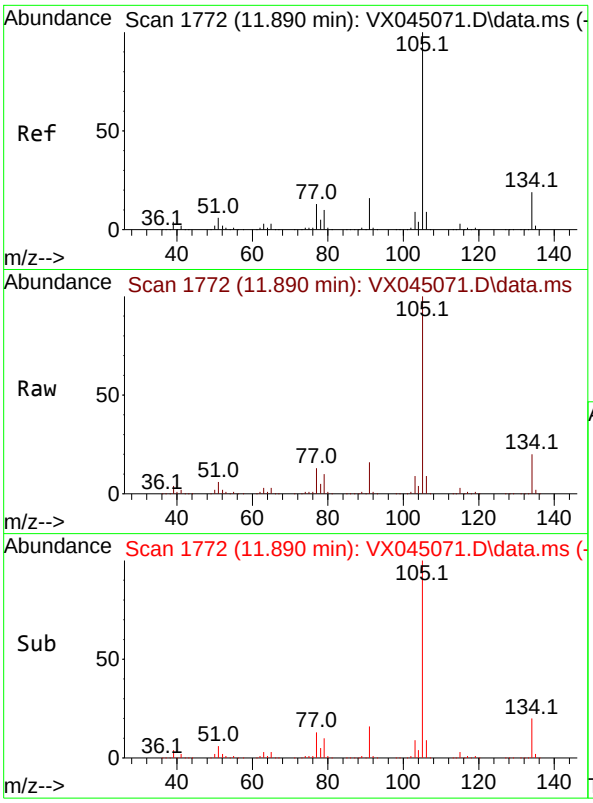


#84
1,2,4-Trimethylbenzene
Concen: 52.326 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:105 Resp: 240719

Ion	Ratio	Lower	Upper
105	100		
120	44.1	22.1	66.1

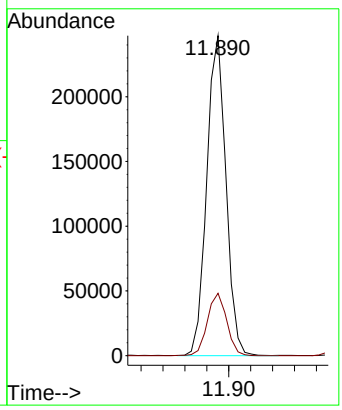




#85
sec-Butylbenzene
Concen: 51.353 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:105 Resp: 30039

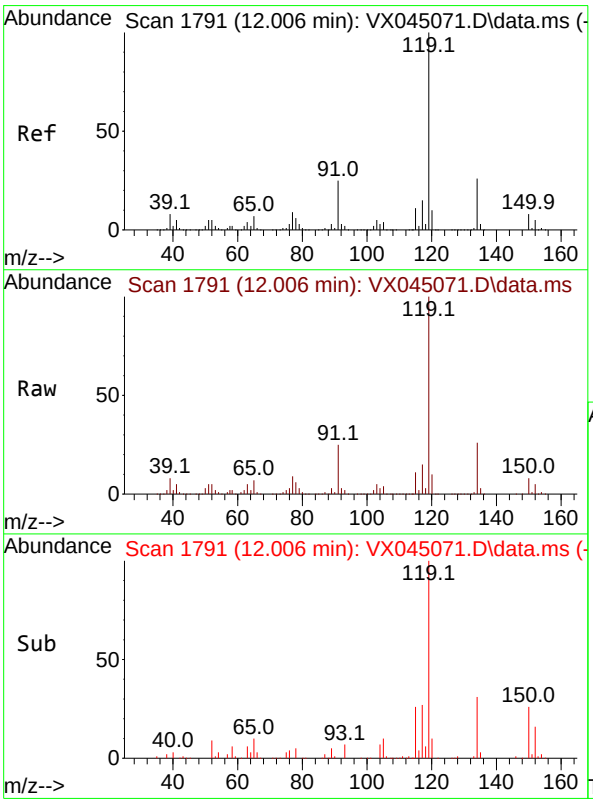
Ion	Ratio	Lower	Upper
105	100		
134	19.6	9.8	29.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

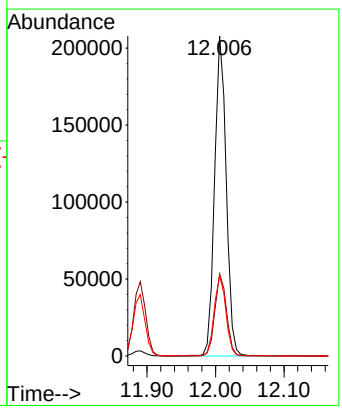
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

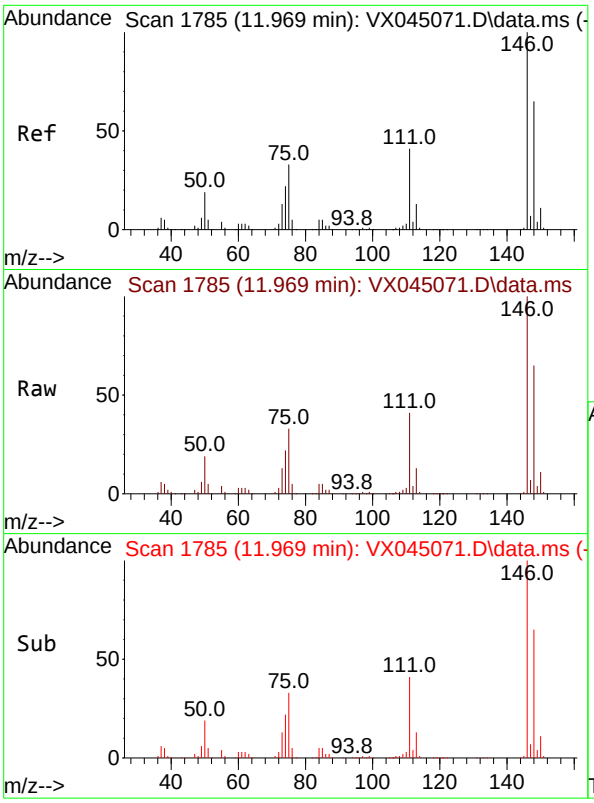


#86
p-Isopropyltoluene
Concen: 51.964 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

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

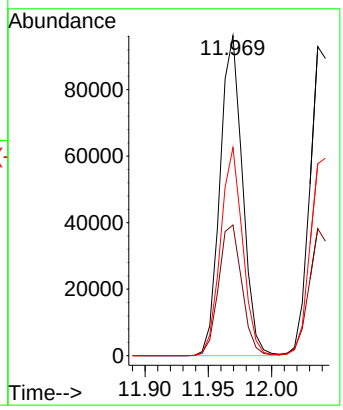




#87
1,3-Dichlorobenzene
Concen: 49.747 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:146 Resp: 11887

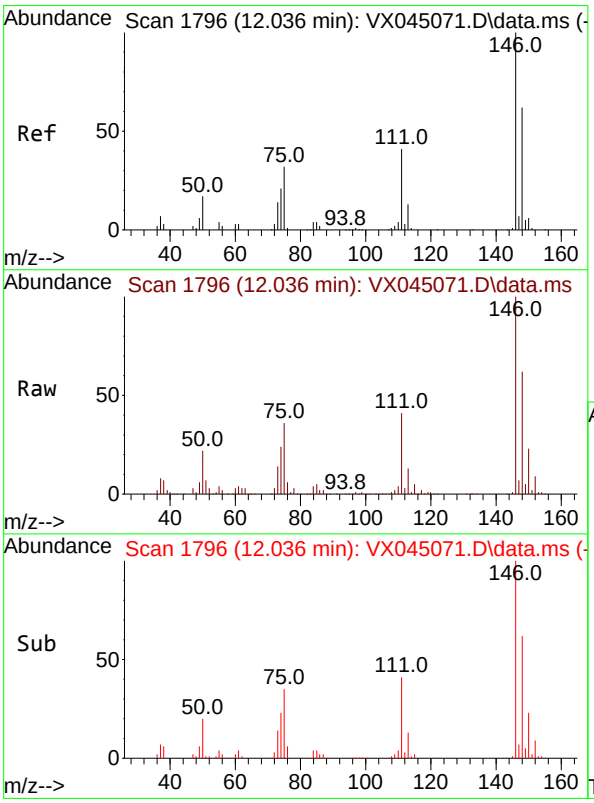
Ion	Ratio	Lower	Upper
146	100		
111	42.3	21.1	63.4
148	63.8	31.9	95.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

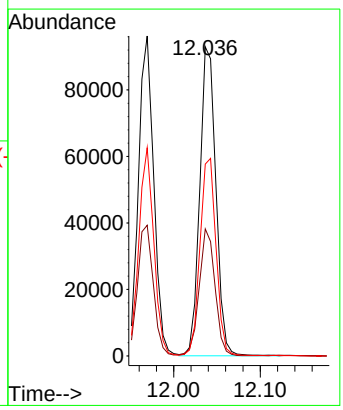
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

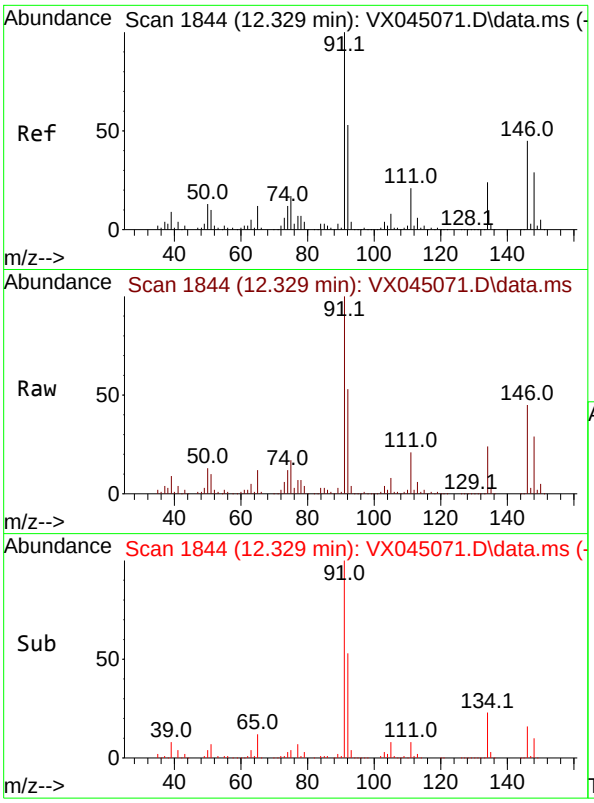


#88
1,4-Dichlorobenzene
Concen: 49.694 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

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

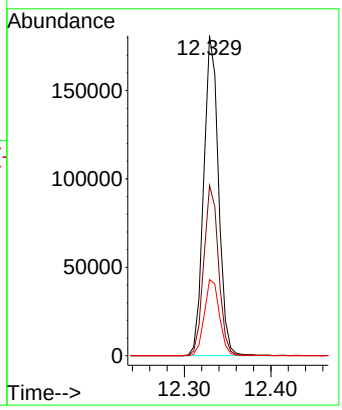




#89
n-Butylbenzene
Concen: 52.006 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 91 Resp: 21468

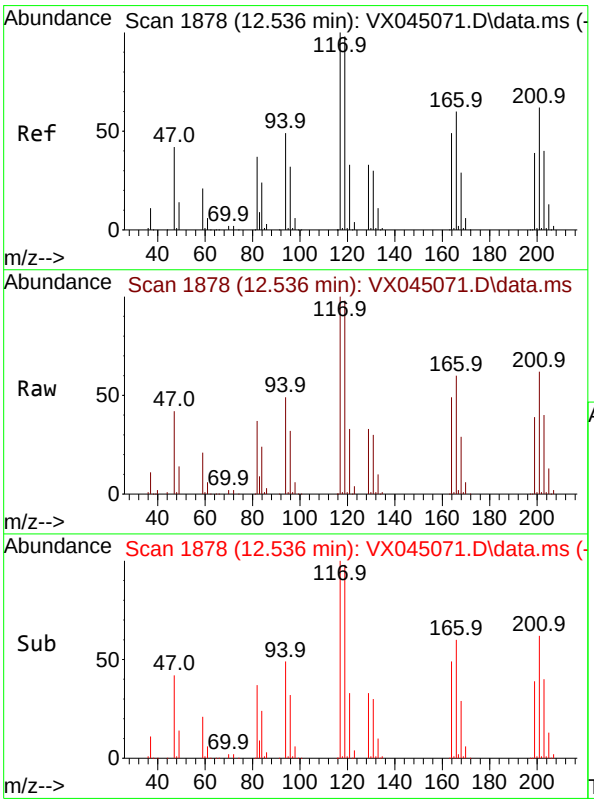
Ion	Ratio	Lower	Upper
91	100		
92	53.3	26.7	80.0
134	24.4	12.2	36.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

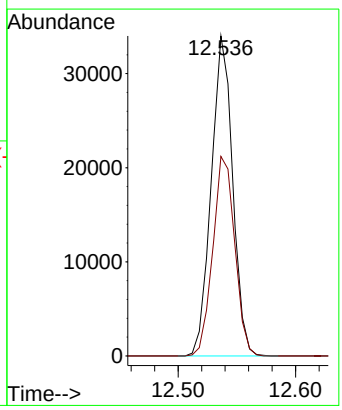
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

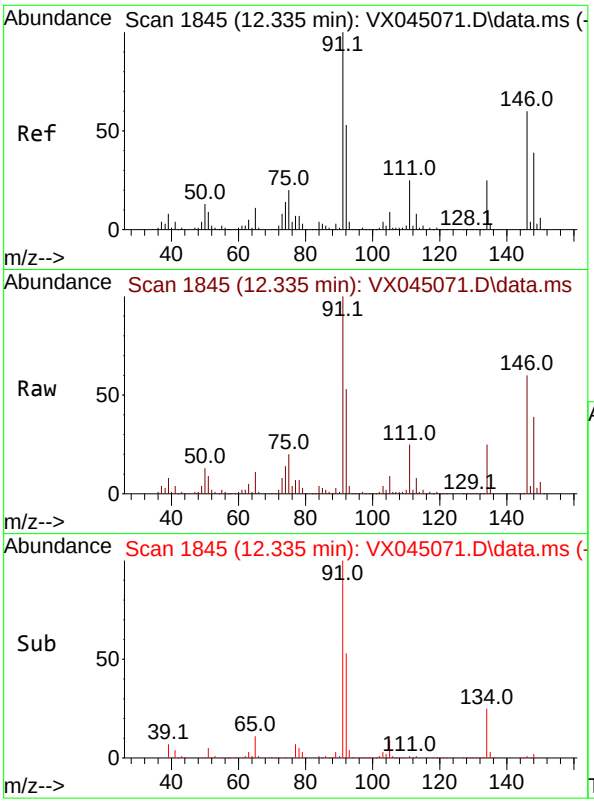


#90
Hexachloroethane
Concen: 49.188 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:117 Resp: 43086

Ion	Ratio	Lower	Upper
117	100		
201	63.9	31.9	95.9

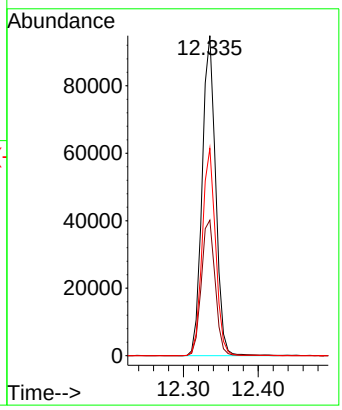




#91
1,2-Dichlorobenzene
Concen: 50.557 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:146 Resp: 11889

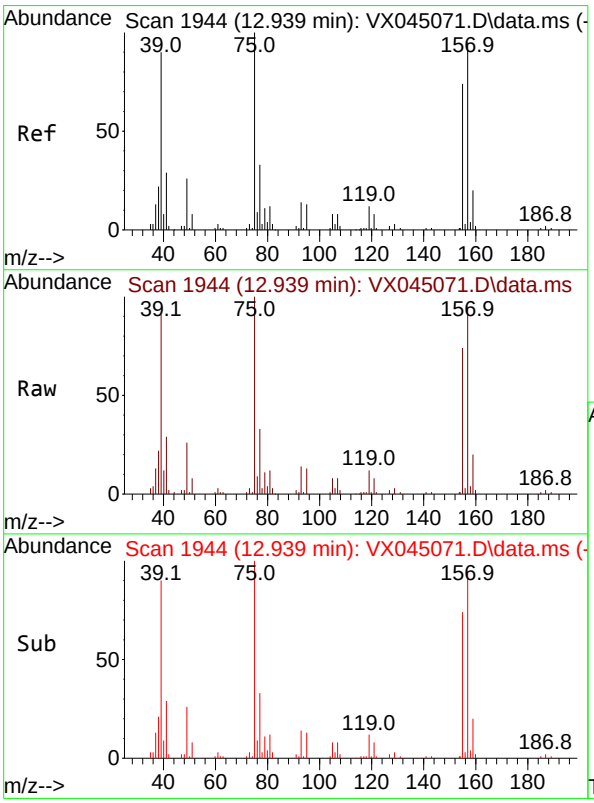
Ion	Ratio	Lower	Upper
146	100		
111	43.3	21.6	65.0
148	63.9	31.9	95.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

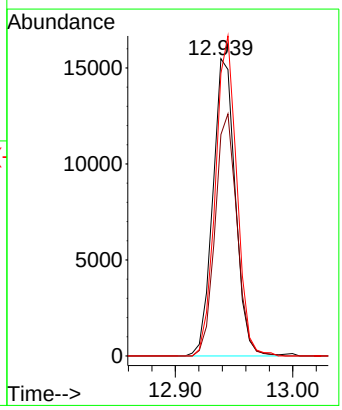
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

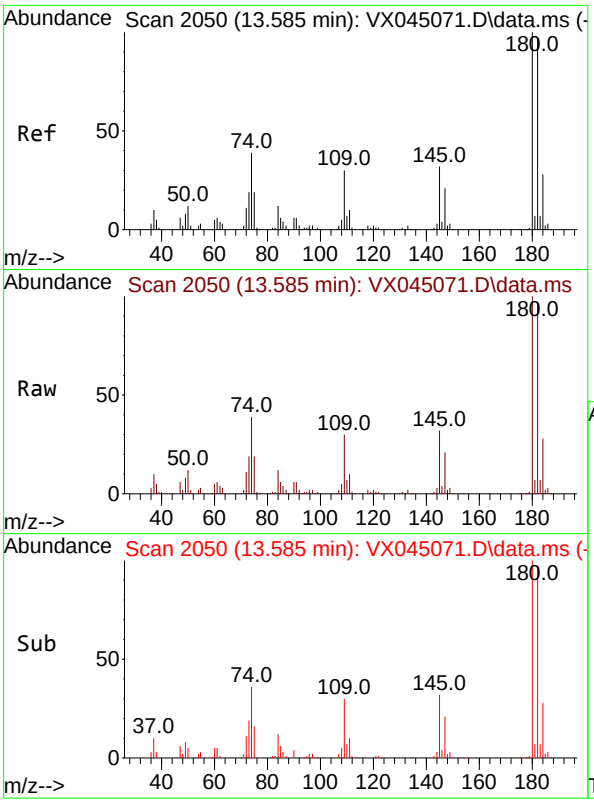


#92
1,2-Dibromo-3-Chloropropane
Concen: 56.123 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

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

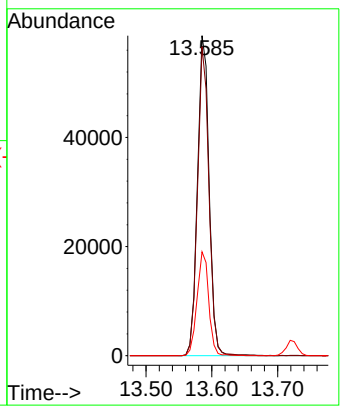




#93
1,2,4-Trichlorobenzene
Concen: 50.571 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:180 Resp: 7189

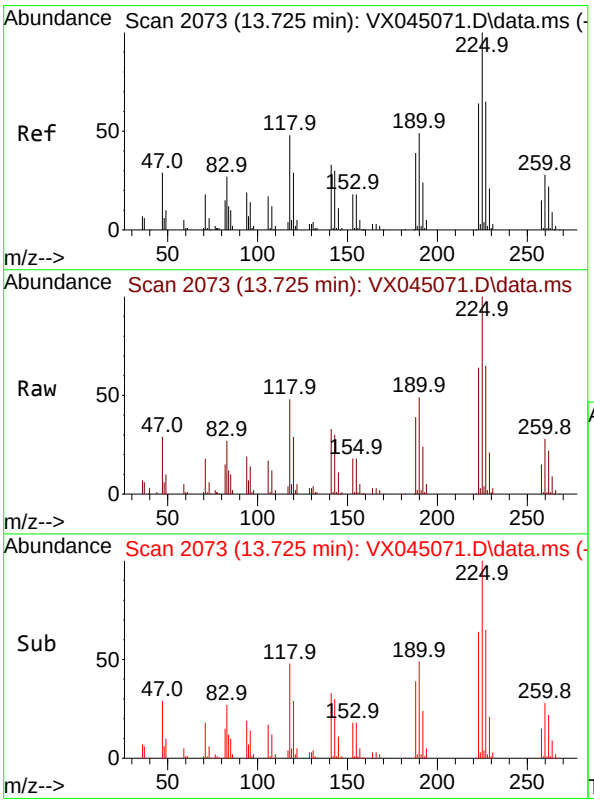
Ion	Ratio	Lower	Upper
180	100		
182	94.6	47.3	141.9
145	32.6	16.3	48.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

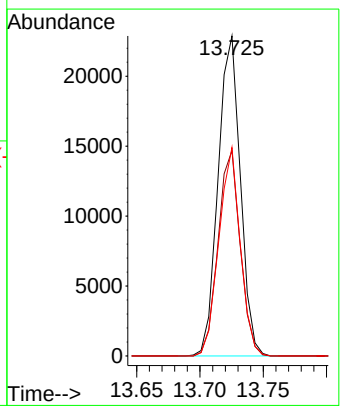
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

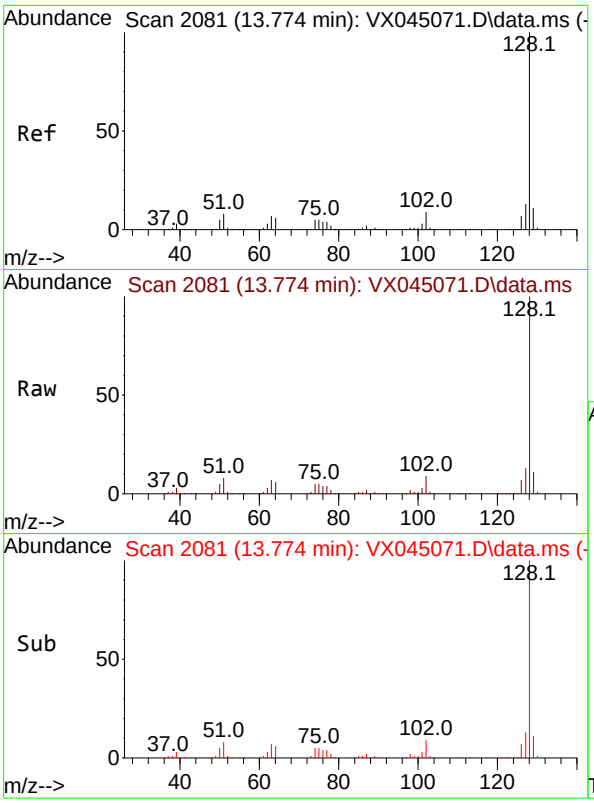


#94
Hexachlorobutadiene
Concen: 49.245 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

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

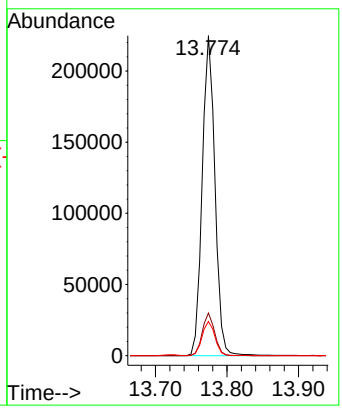




#95
Naphthalene
Concen: 53.700 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:128 Resp: 27808

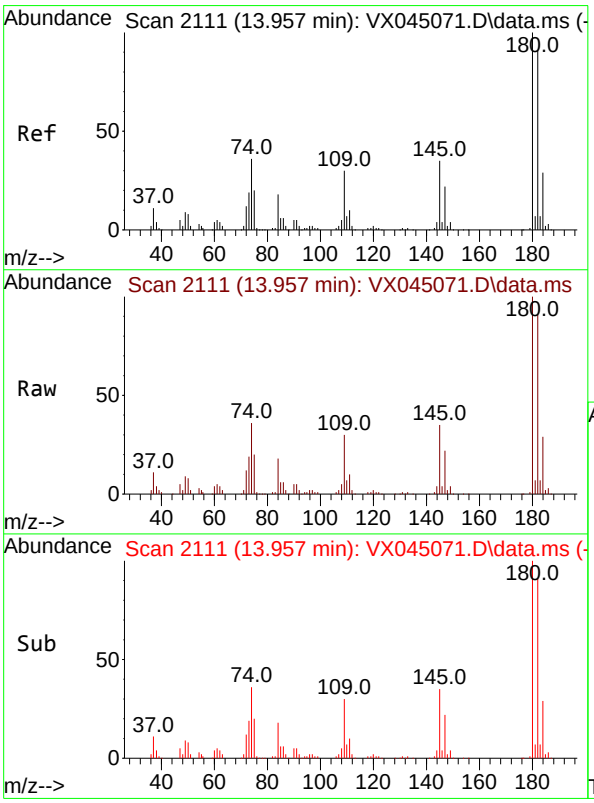
Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.3	15.5
129	10.9	8.7	13.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

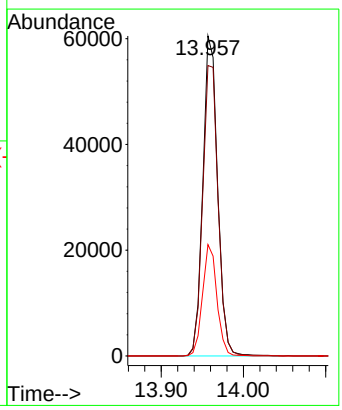
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#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



Quantitation Report (QT 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

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)
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

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

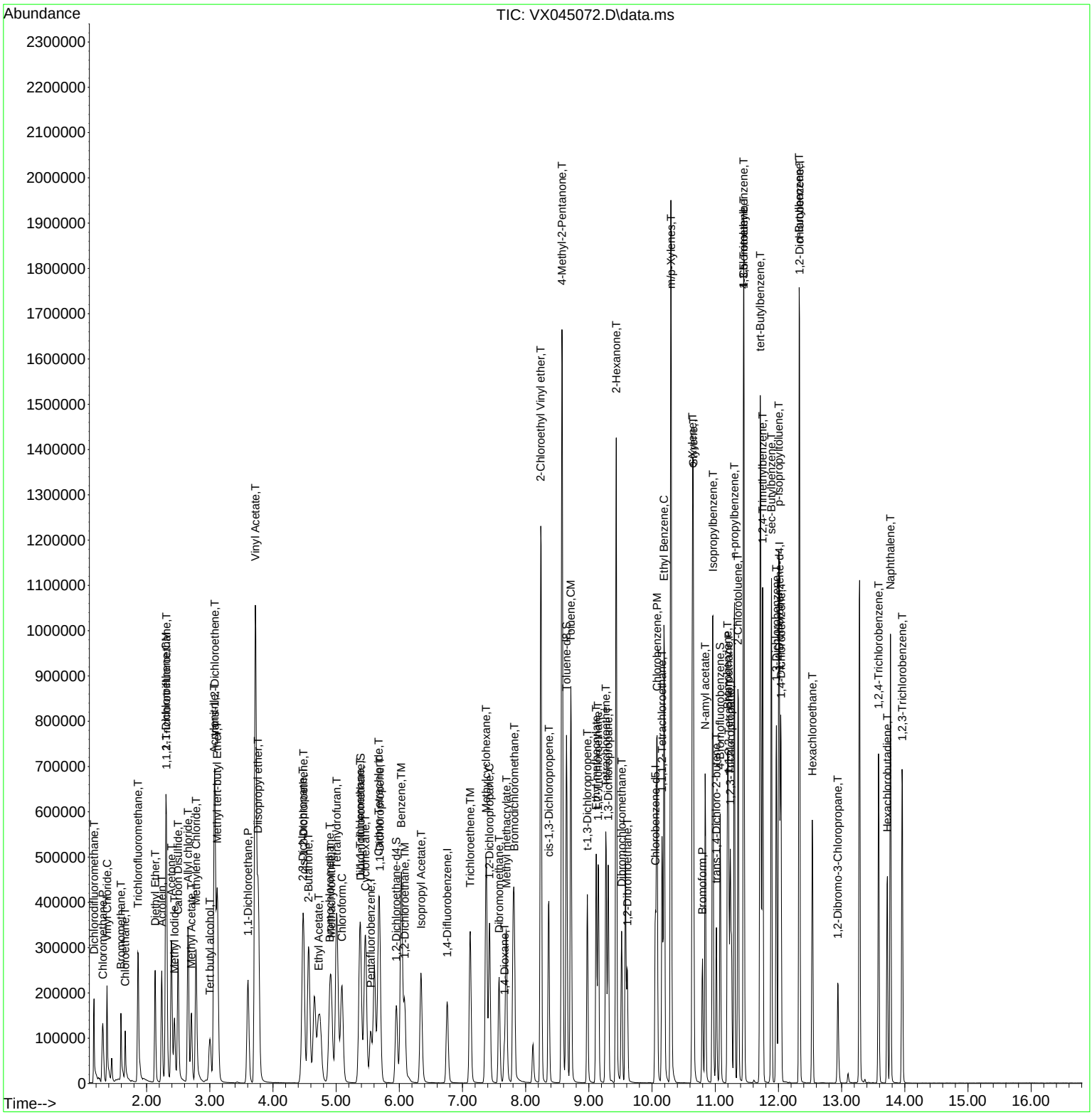
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Acq On : 28 Feb 2025 03:23
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

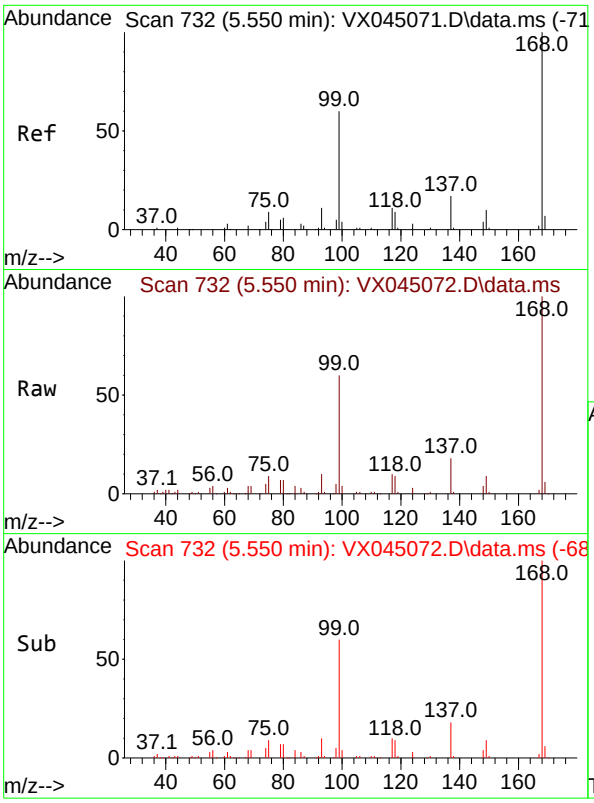
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Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

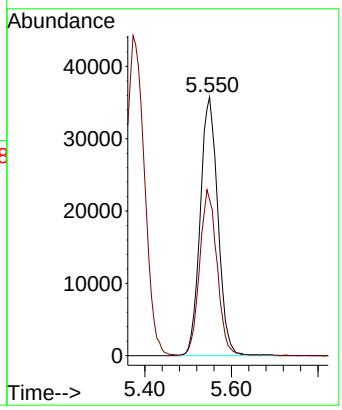




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:168 Resp: 10117

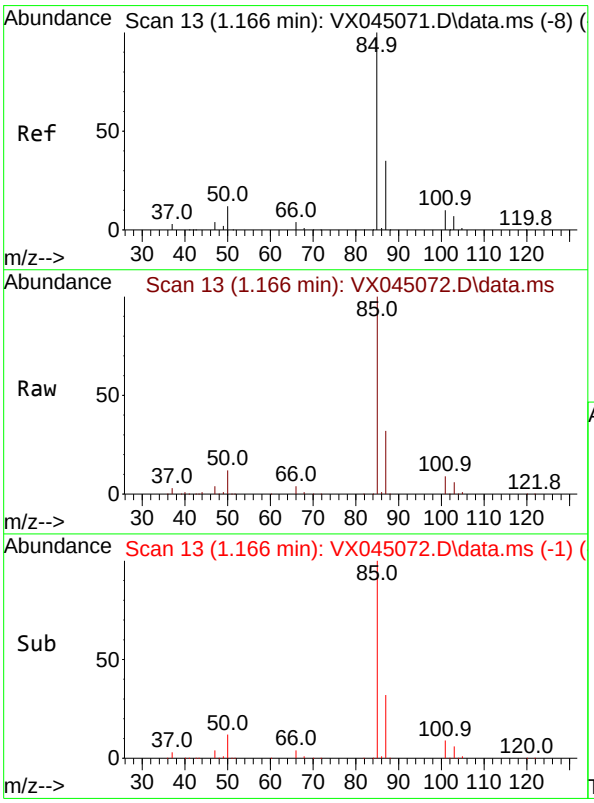
Ion	Ratio	Lower	Upper
168	100		
99	60.2	48.2	72.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

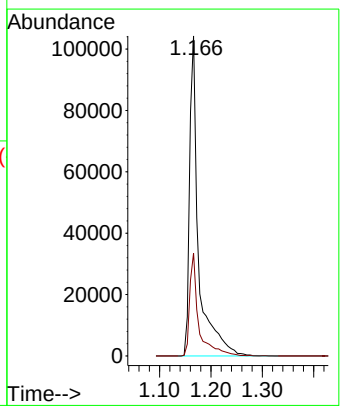
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

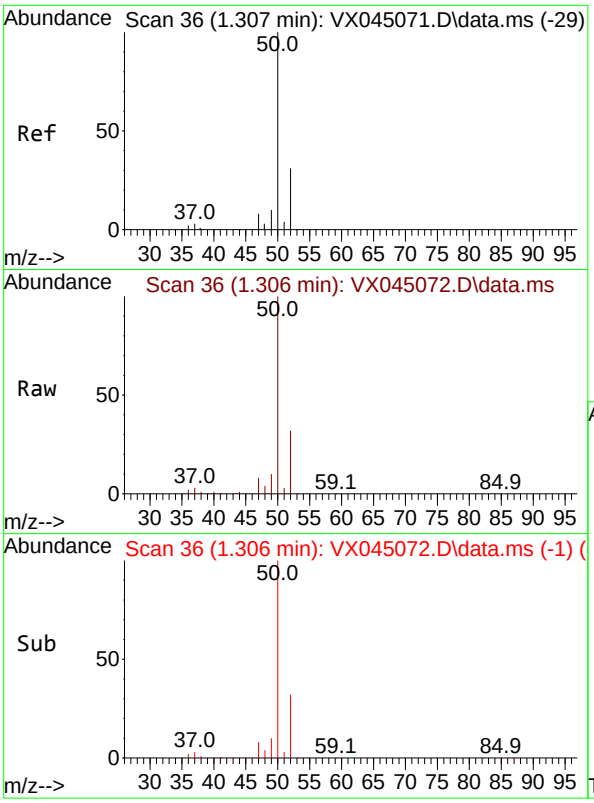


#2
Dichlorodifluoromethane
Concen: 90.869 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 85 Resp: 126718

Ion	Ratio	Lower	Upper
85	100		
87	32.1	17.4	52.3

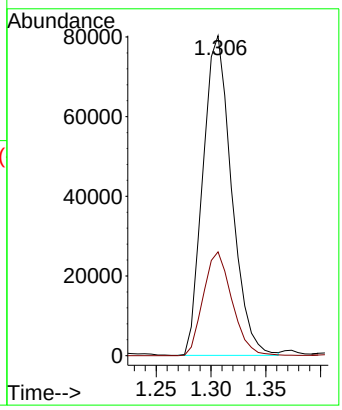




#3
Chloromethane
Concen: 85.936 ug/l
RT: 1.306 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 50 Resp: 14582

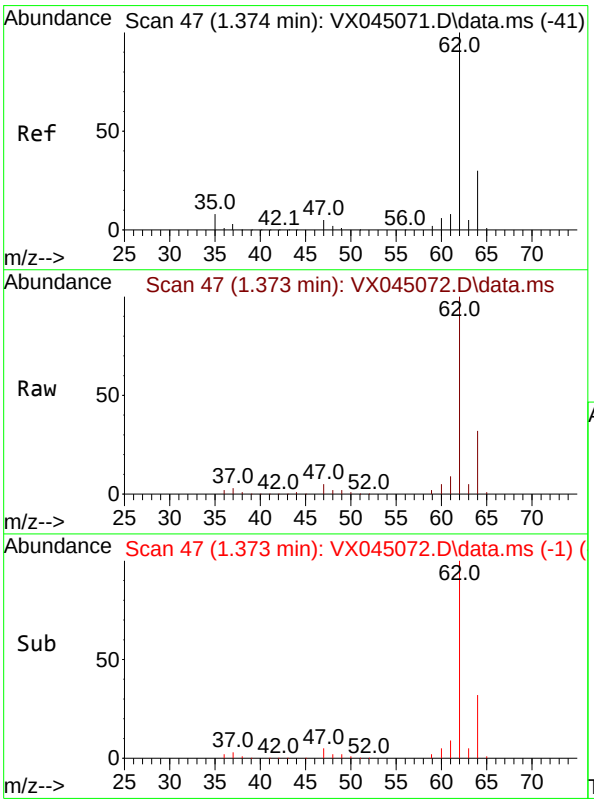
Ion	Ratio	Lower	Upper
50	100		
52	32.5	25.0	37.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

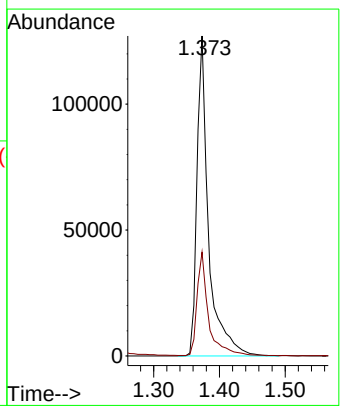
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

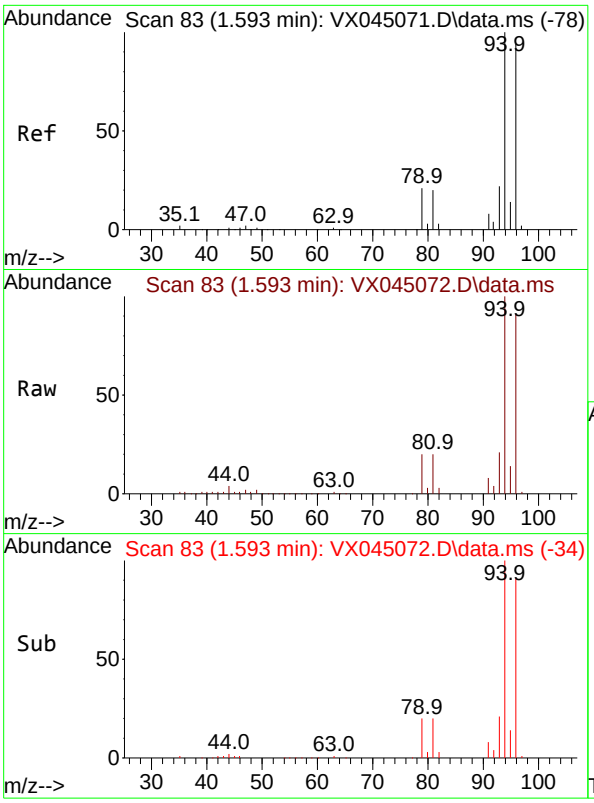


#4
Vinyl Chloride
Concen: 93.360 ug/l
RT: 1.373 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 62 Resp: 154734

Ion	Ratio	Lower	Upper
62	100		
64	32.4	24.3	36.5

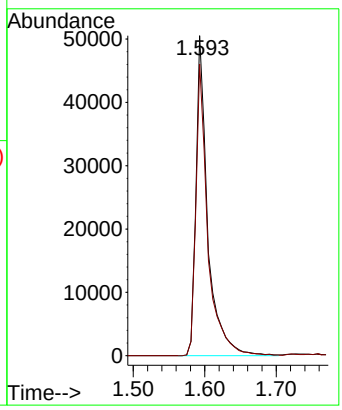




#5
Bromomethane
Concen: 110.980 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 94 Resp: 5750

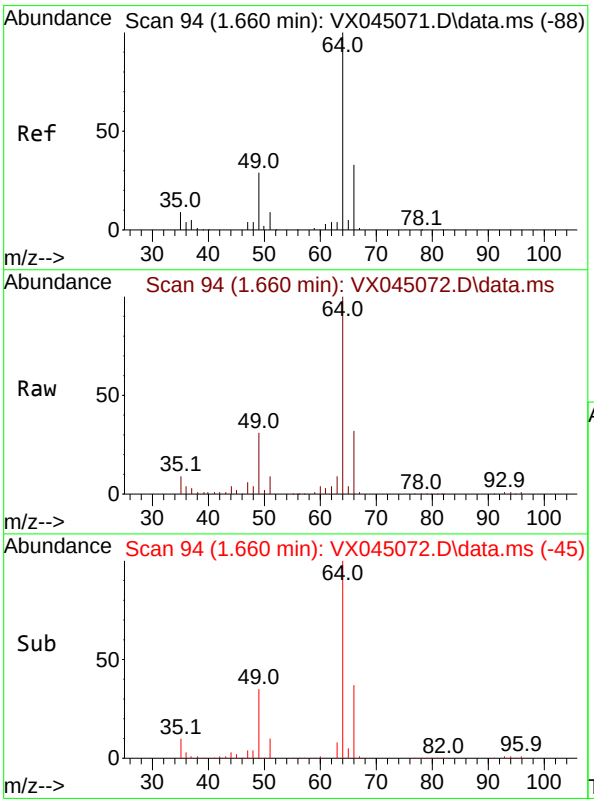
Ion	Ratio	Lower	Upper
94	100		
96	91.2	75.0	112.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

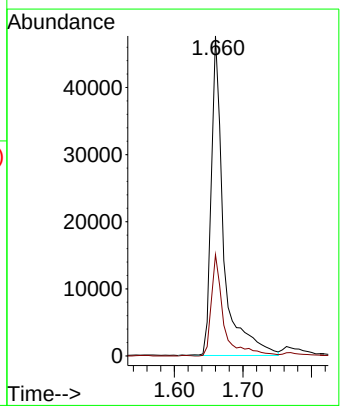
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

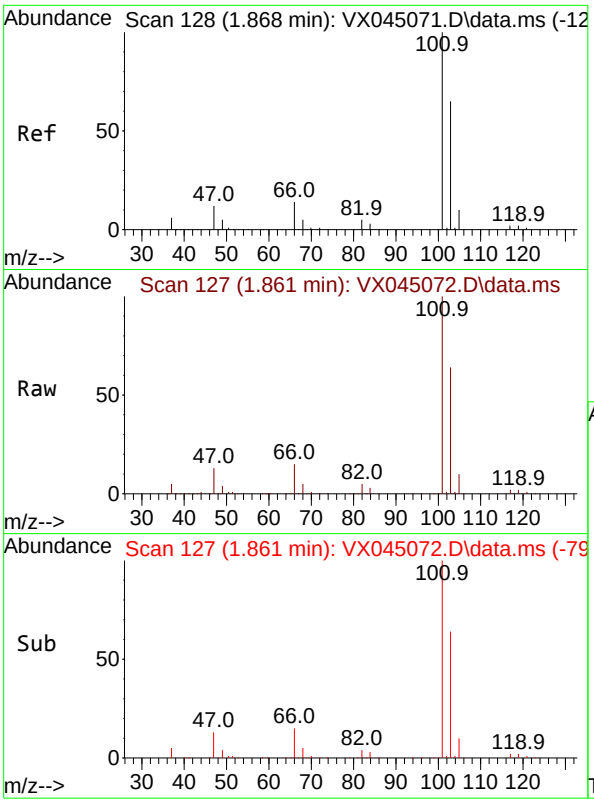


#6
Chloroethane
Concen: 95.351 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 64 Resp: 60155

Ion	Ratio	Lower	Upper
64	100		
66	31.7	26.7	40.1

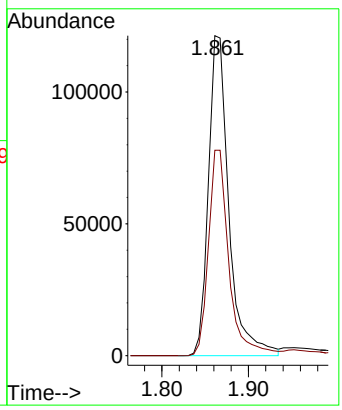




#7
Trichlorofluoromethane
Concen: 93.594 ug/l
RT: 1.861 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:101 Resp: 19870

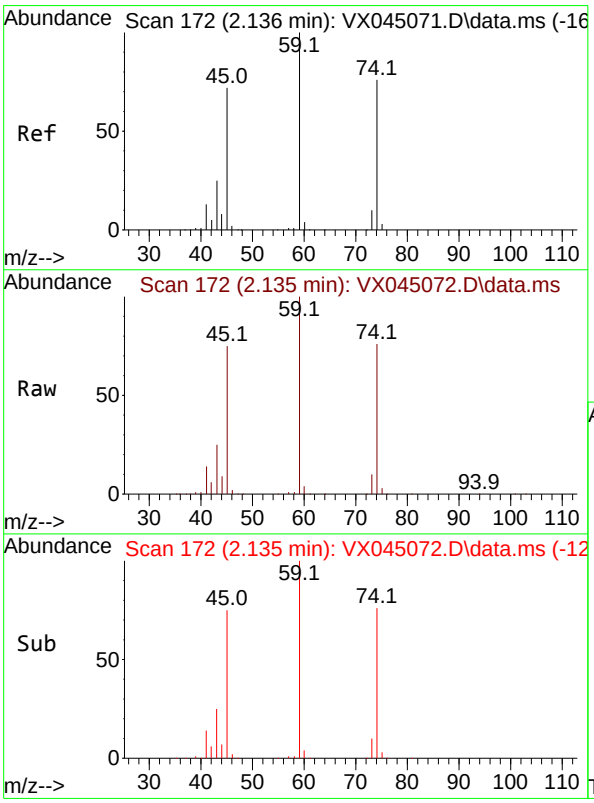
Ion	Ratio	Lower	Upper
101	100		
103	64.2	52.1	78.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

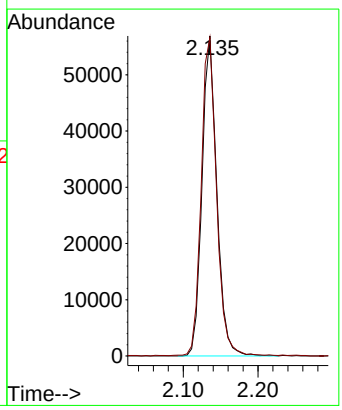
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

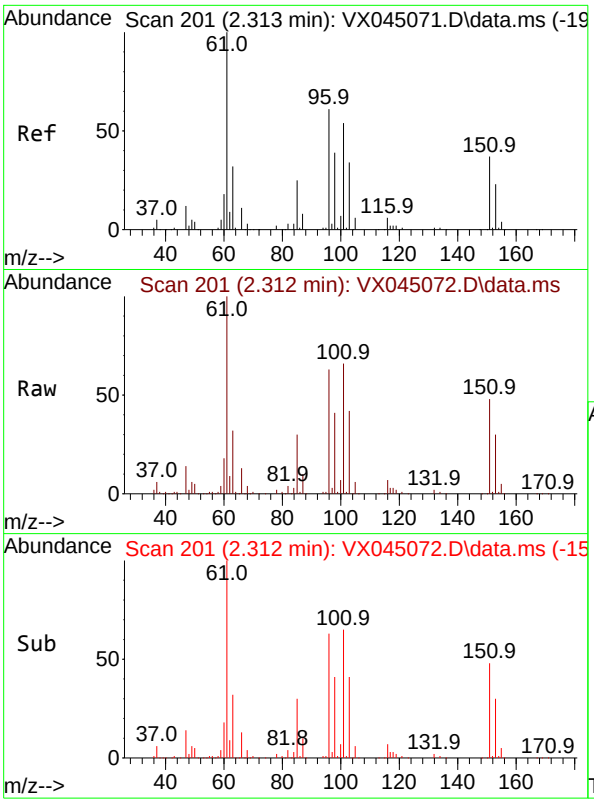


#8
Diethyl Ether
Concen: 101.441 ug/l
RT: 2.135 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

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

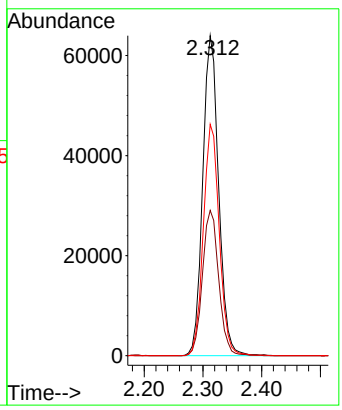
Tgt Ion:101 Resp: 12051

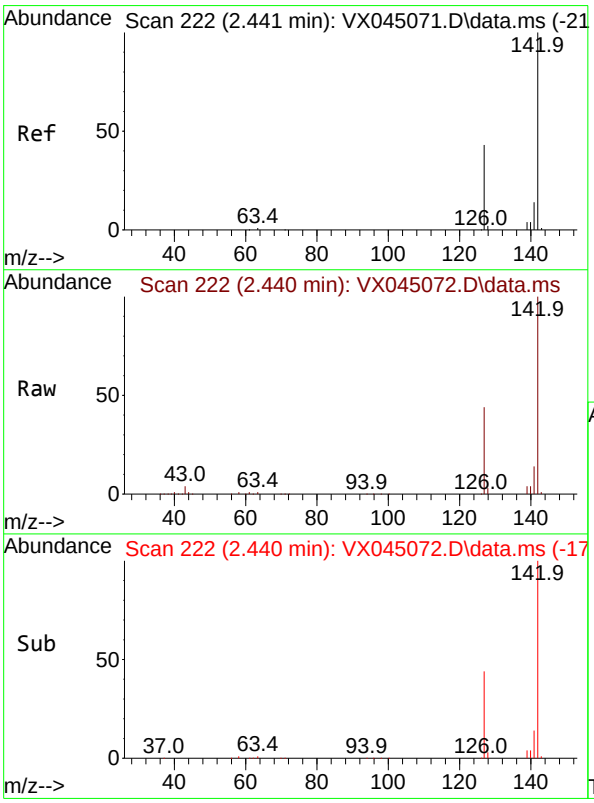
Ion	Ratio	Lower	Upper
101	100		
85	46.5	36.2	54.4
151	72.4	56.4	84.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

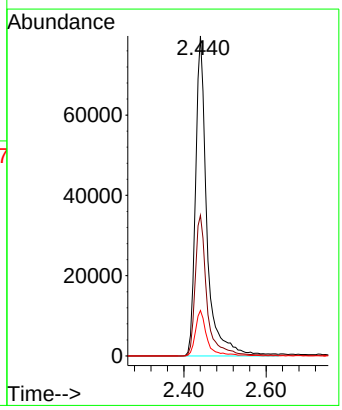


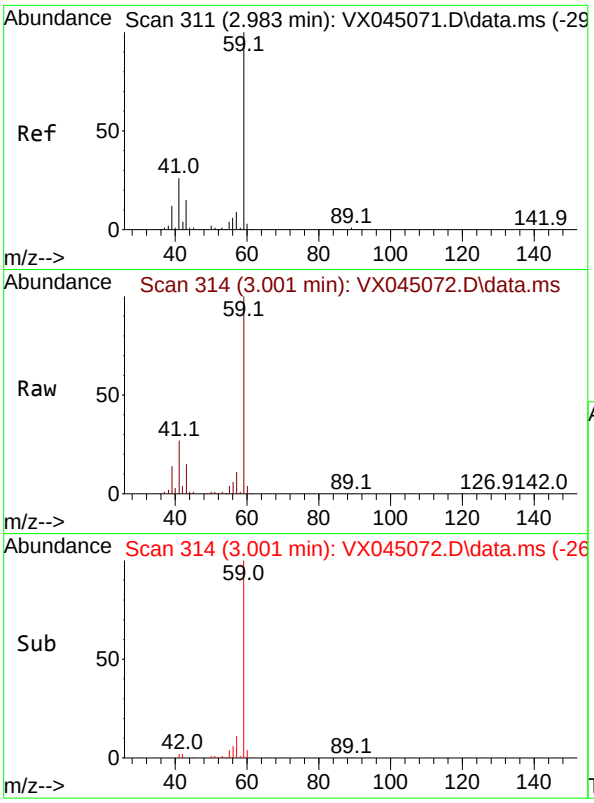


#10
Methyl Iodide
Concen: 94.425 ug/l
RT: 2.440 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

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

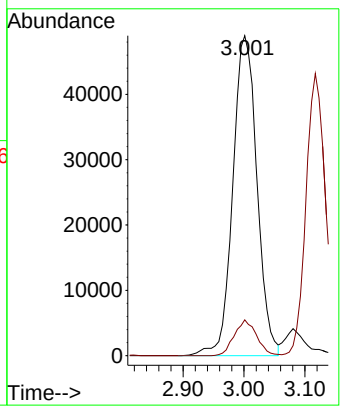




#11
Tert butyl alcohol
Concen: 493.141 ug/l
RT: 3.001 min Scan# 3
Delta R.T. 0.018 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 59 Resp: 13501

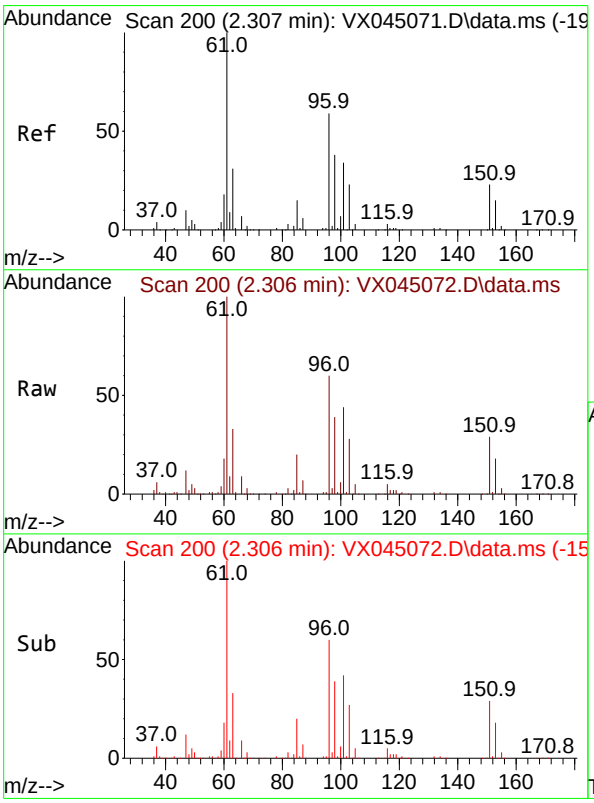
Ion	Ratio	Lower	Upper
59	100		
57	10.4	7.8	11.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

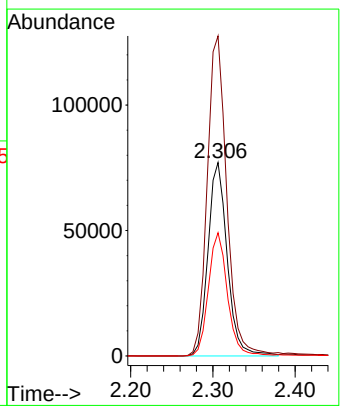
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

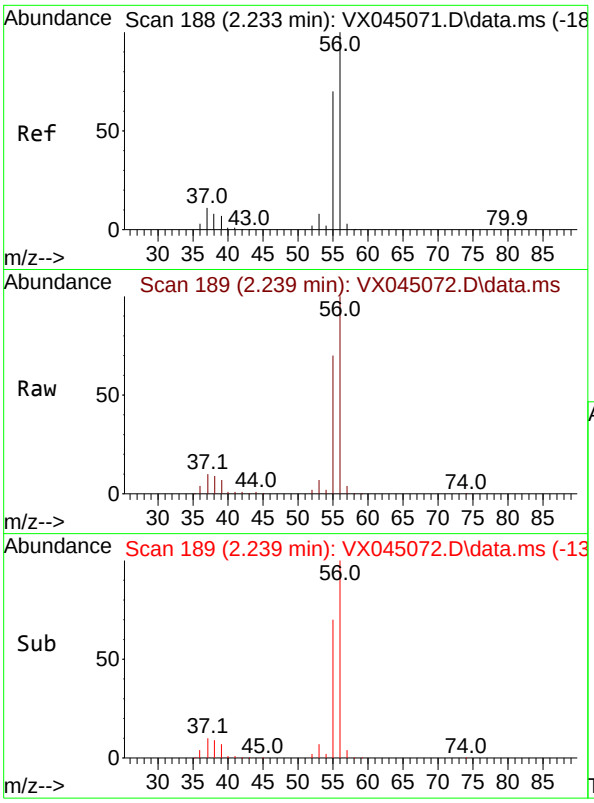


#12
1,1-Dichloroethene
Concen: 96.366 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

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

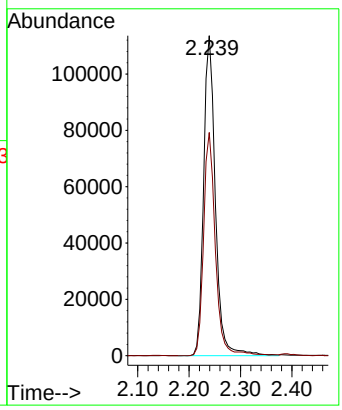




#13
Acrolein
Concen: 608.485 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 56 Resp: 18041

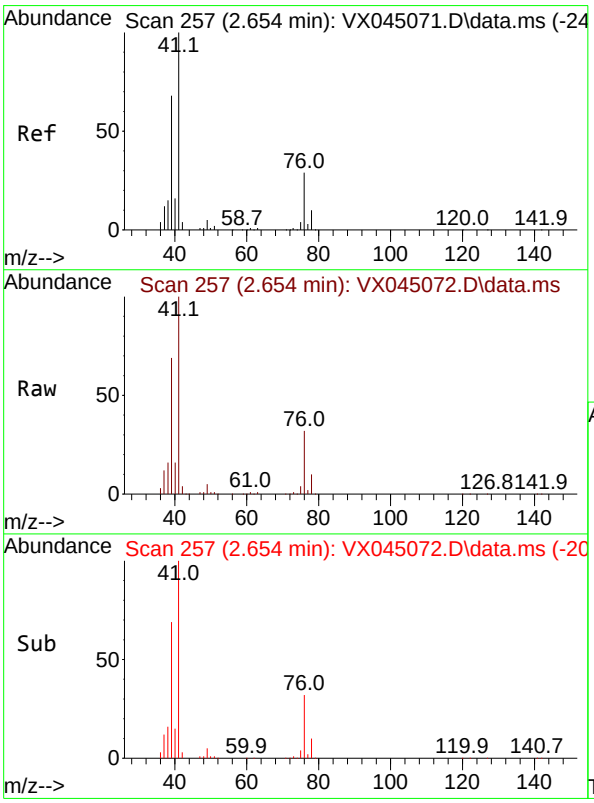
Ion	Ratio	Lower	Upper
56	100		
55	69.8	56.2	84.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

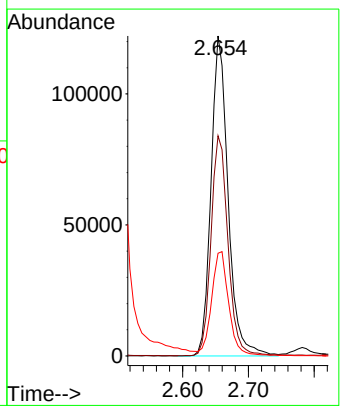
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

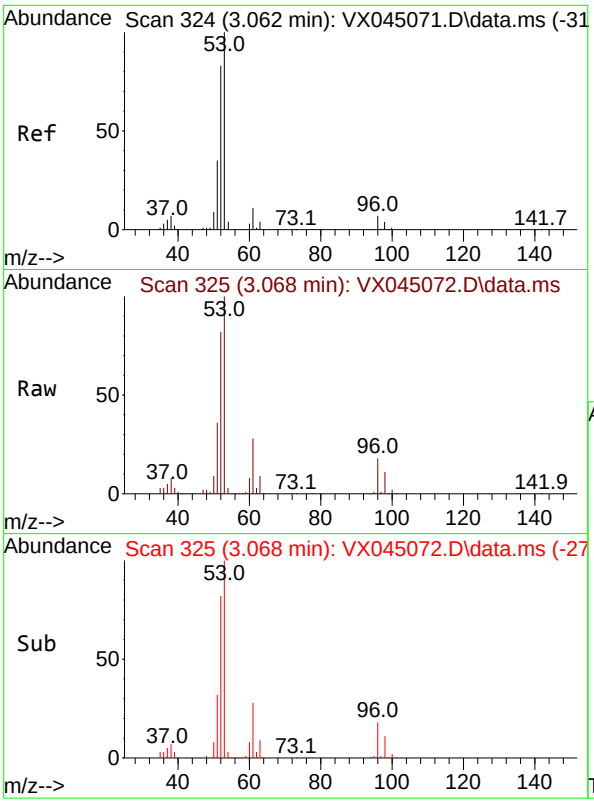


#14
Allyl chloride
Concen: 94.344 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

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

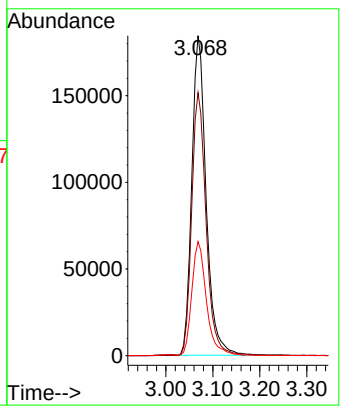




#15
Acrylonitrile
Concen: 526.749 ug/l
RT: 3.068 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 53 Resp: 39194

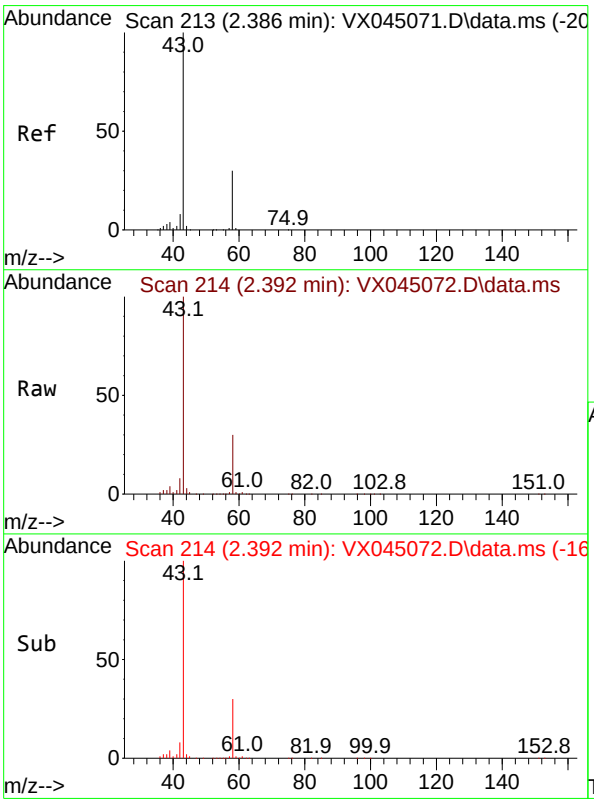
Ion	Ratio	Lower	Upper
53	100		
52	82.9	66.2	99.2
51	36.6	29.0	43.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

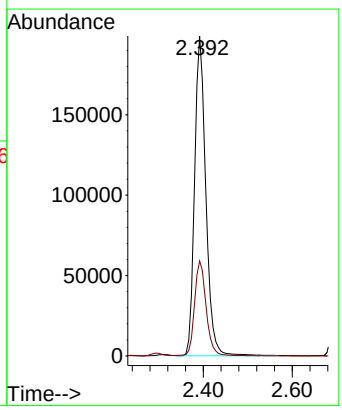
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

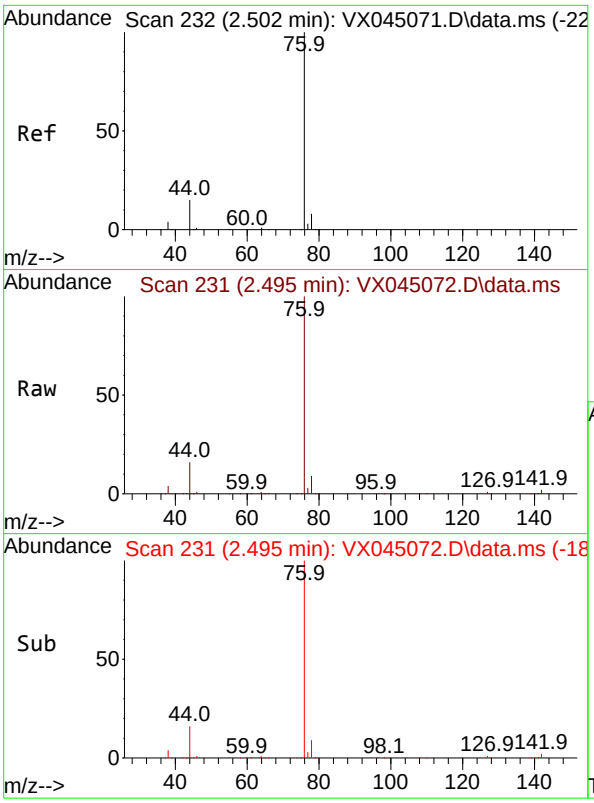


#16
Acetone
Concen: 566.991 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 43 Resp: 348698

Ion	Ratio	Lower	Upper
43	100		
58	29.7	24.2	36.4

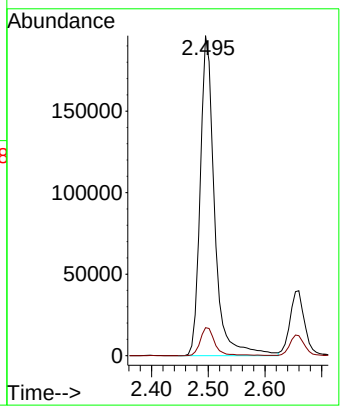




#17
Carbon Disulfide
Concen: 97.574 ug/l
RT: 2.495 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 76 Resp: 34557

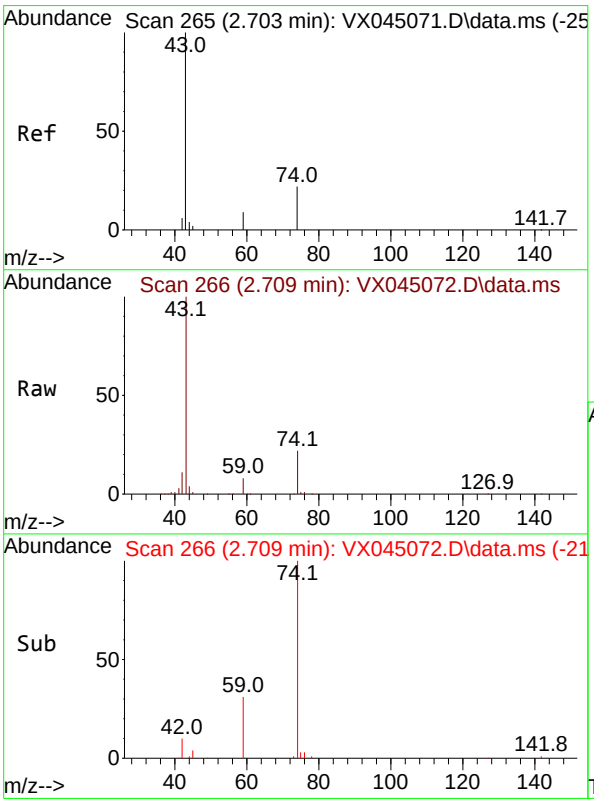
Ion	Ratio	Lower	Upper
76	100		
78	8.7	6.6	9.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

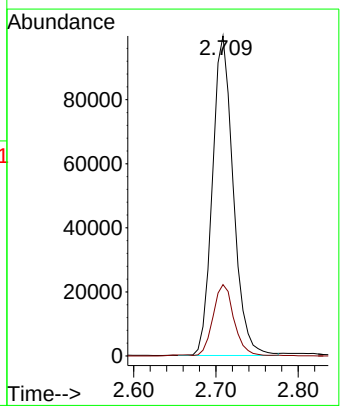
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

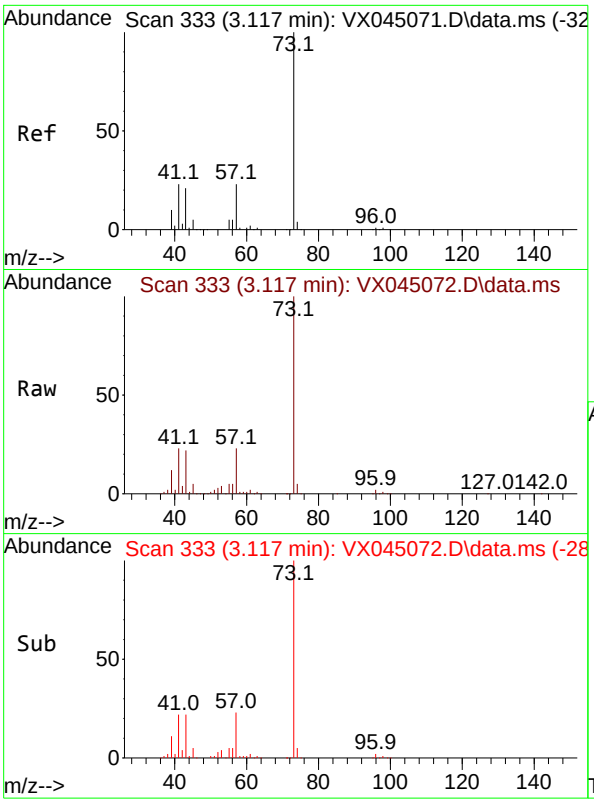


#18
Methyl Acetate
Concen: 94.899 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 43 Resp: 175784

Ion	Ratio	Lower	Upper
43	100		
74	22.7	17.4	26.2

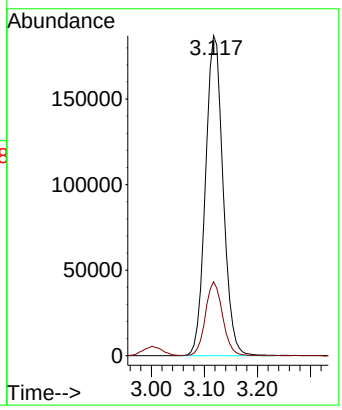




#19
Methyl tert-butyl Ether
Concen: 103.661 ug/l
RT: 3.117 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 73 Resp: 43141

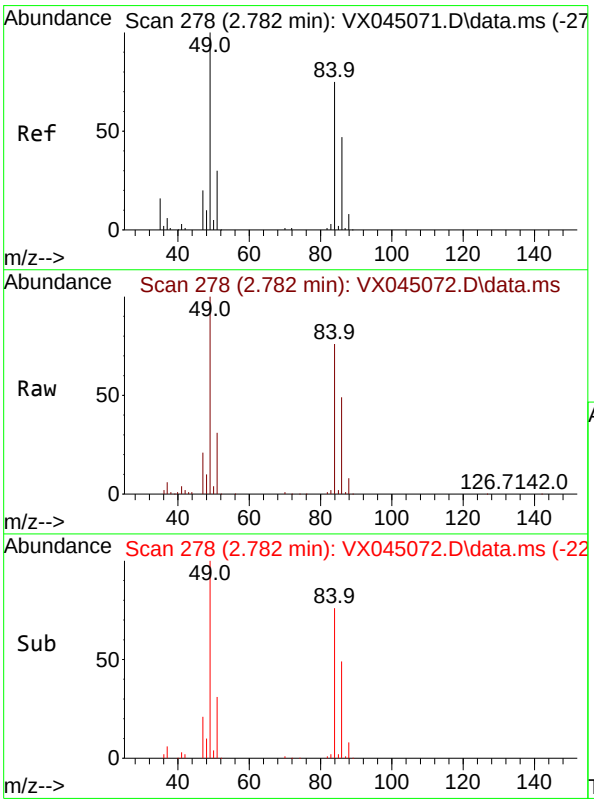
Ion	Ratio	Lower	Upper
73	100		
57	23.0	18.5	27.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

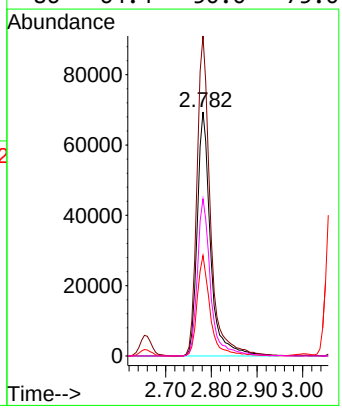
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

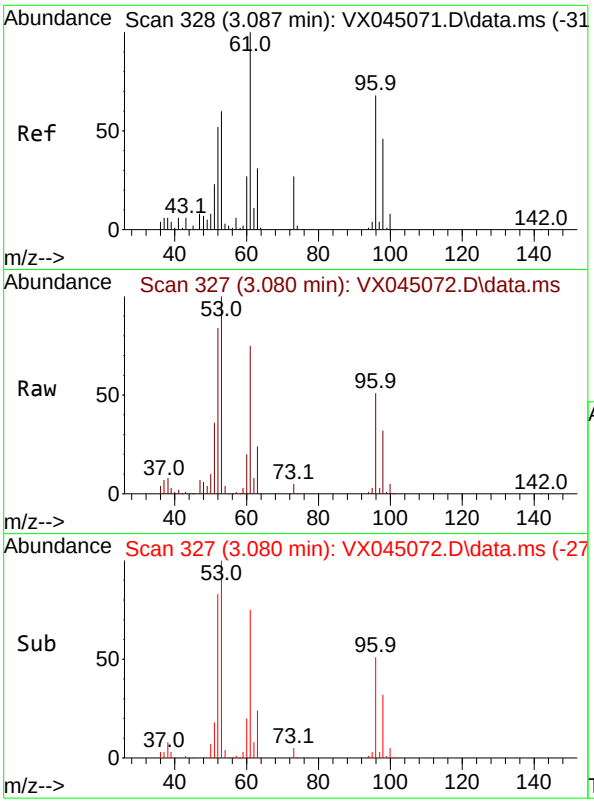


#20
Methylene Chloride
Concen: 96.381 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

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

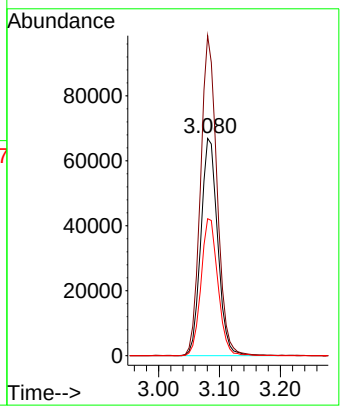
Tgt Ion: 96 Resp: 12823

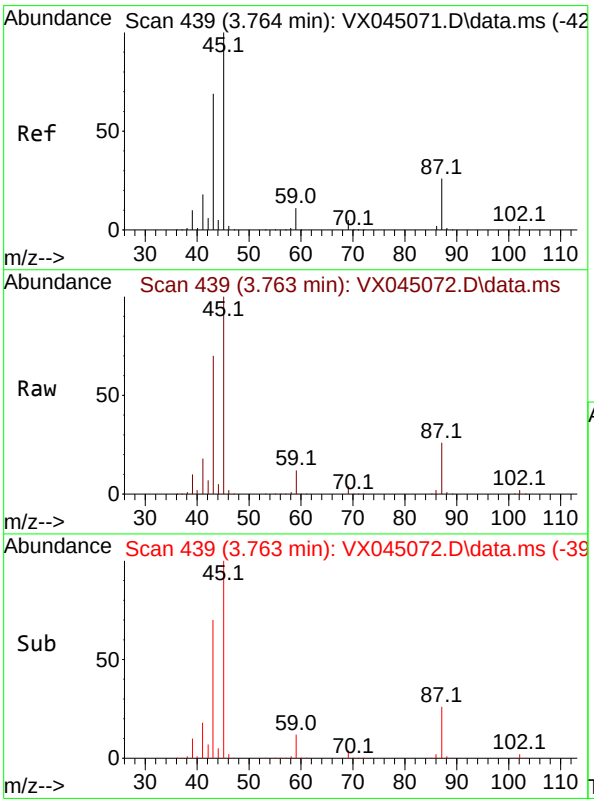
Ion	Ratio	Lower	Upper
96	100		
61	147.3	117.0	175.4
98	63.0	53.4	80.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

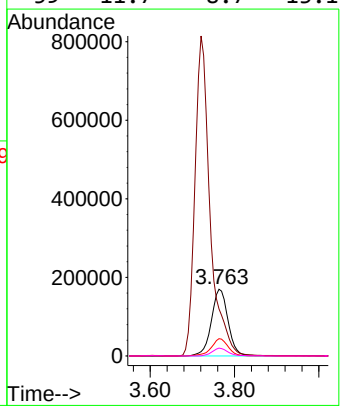


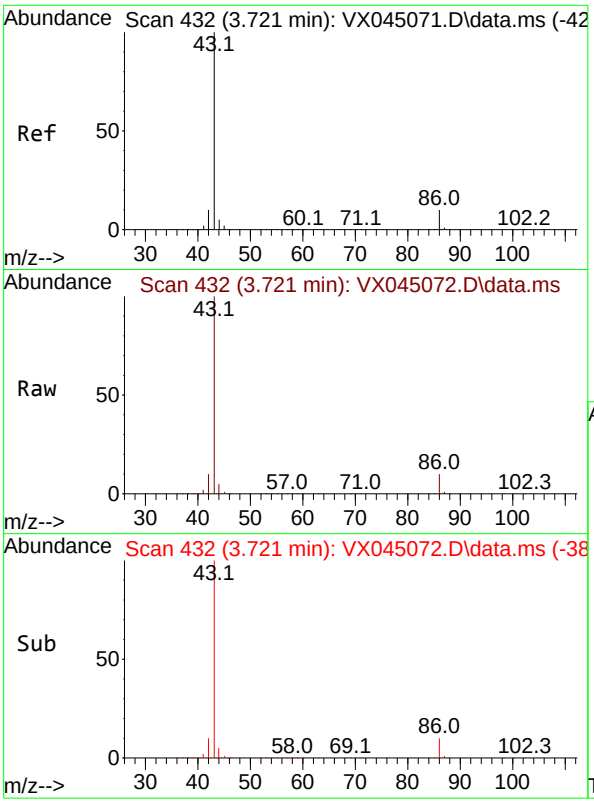


#22
Diisopropyl ether
Concen: 104.489 ug/l
RT: 3.763 min Scan# 439
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

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

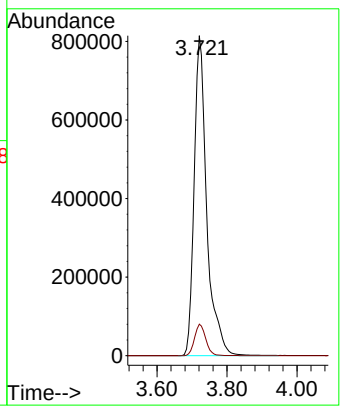




#23
Vinyl Acetate
Concen: 554.219 ug/l
RT: 3.721 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 43 Resp: 203588

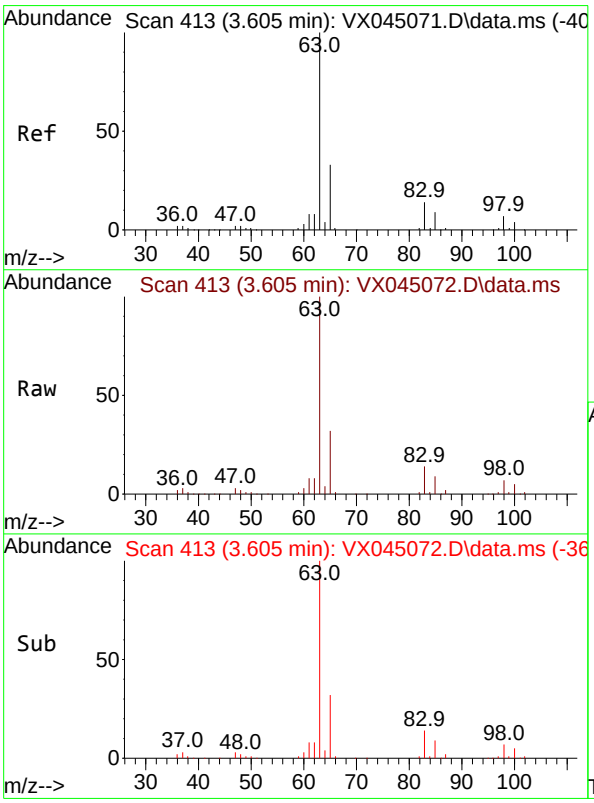
Ion	Ratio	Lower	Upper
43	100		
86	9.9	8.1	12.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

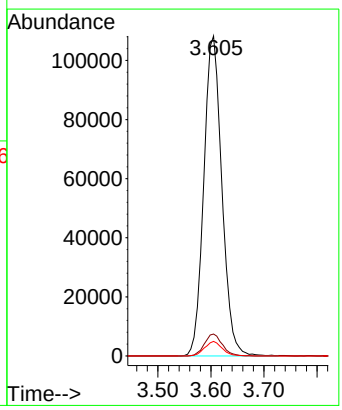
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

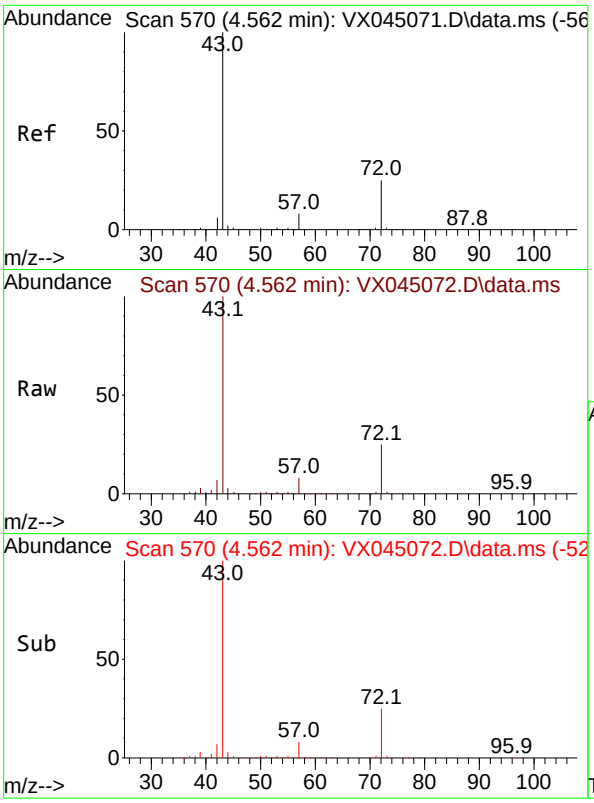


#24
1,1-Dichloroethane
Concen: 102.805 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

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

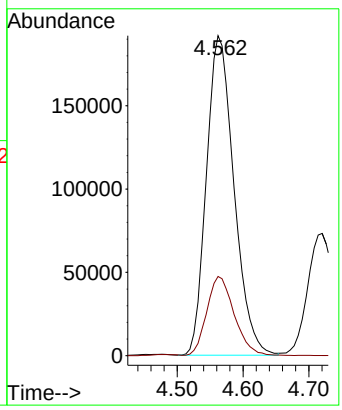




#25
2-Butanone
Concen: 563.952 ug/l
RT: 4.562 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 43 Resp: 55918

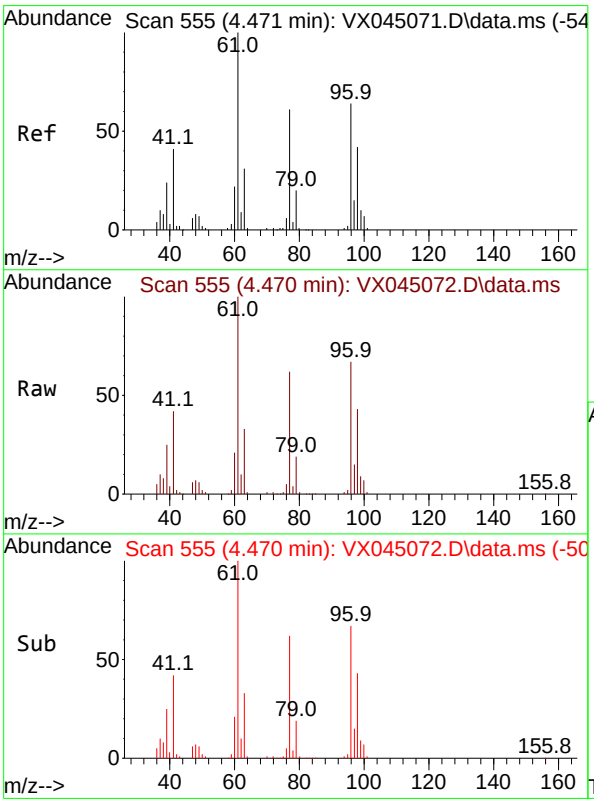
Ion	Ratio	Lower	Upper
43	100		
72	24.6	20.0	30.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

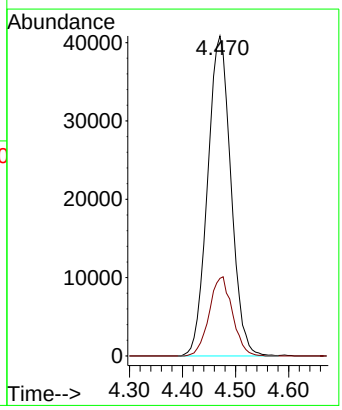
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

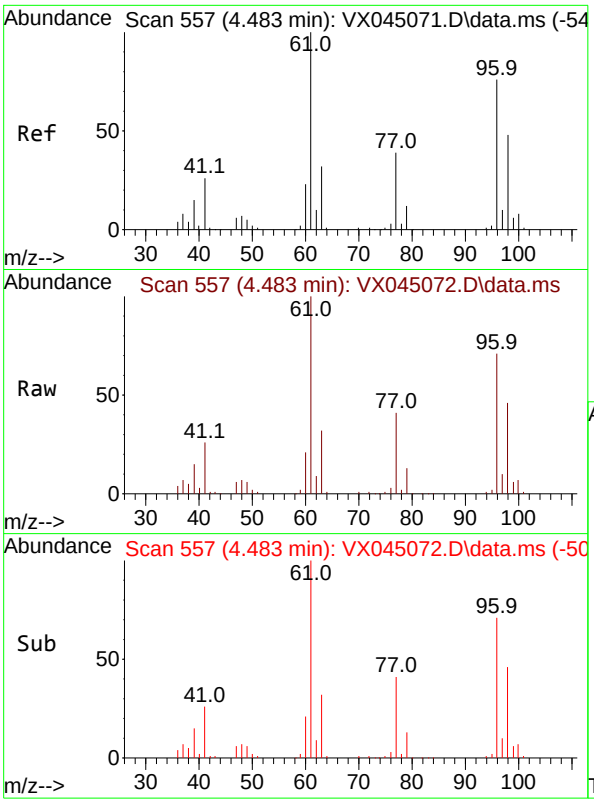


#26
2,2-Dichloropropane
Concen: 67.148 ug/l
RT: 4.470 min Scan# 555
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 77 Resp: 124805

Ion	Ratio	Lower	Upper
77	100		
97	24.6	12.4	37.0

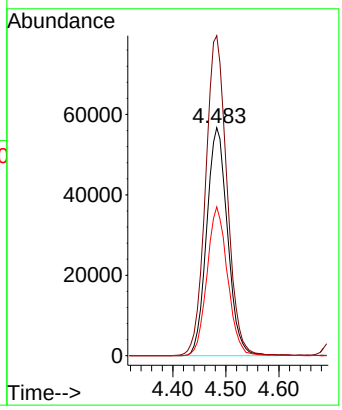




#27
cis-1,2-Dichloroethene
Concen: 100.568 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 96 Resp: 15519

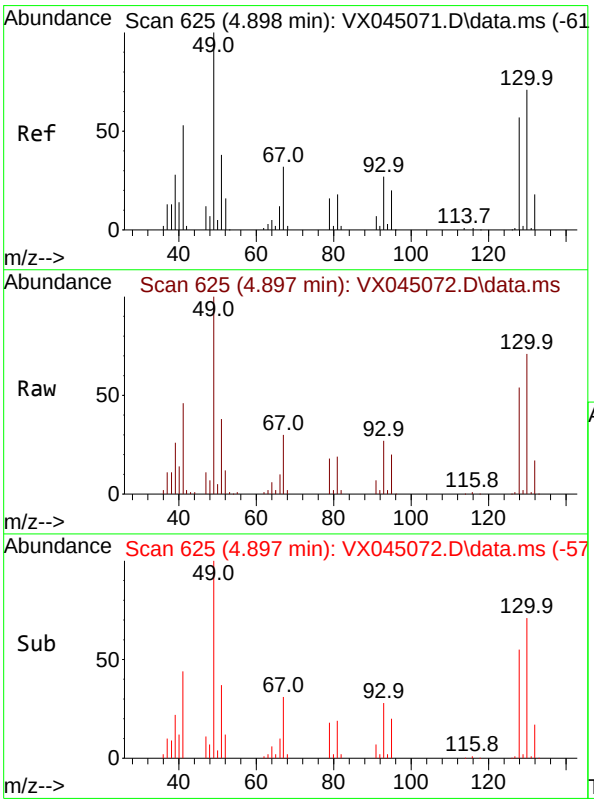
Ion	Ratio	Lower	Upper
96	100		
61	143.8	0.0	283.2
98	64.3	0.0	128.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

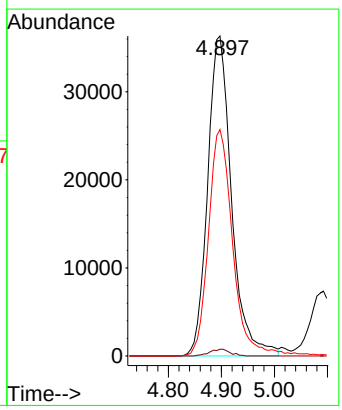
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

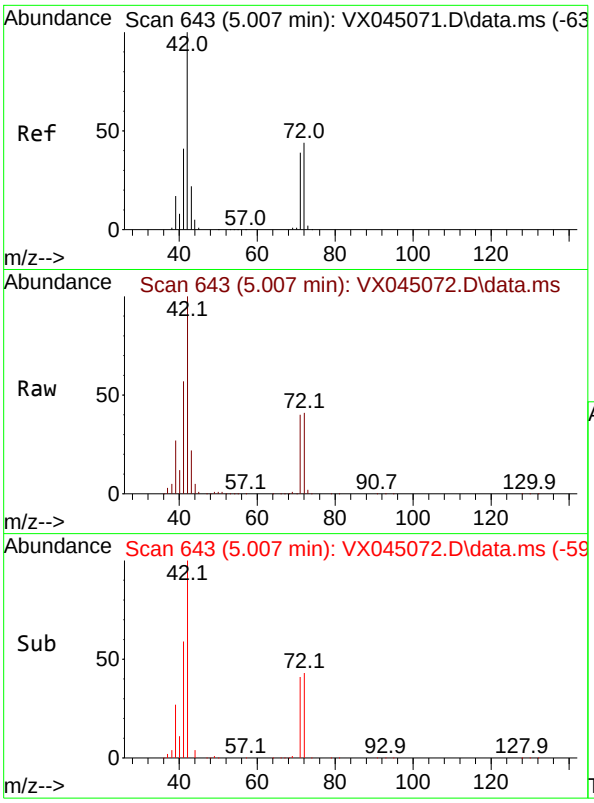


#28
Bromochloromethane
Concen: 94.428 ug/l
RT: 4.897 min Scan# 625
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

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

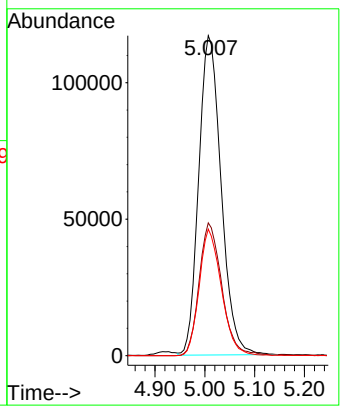
Tgt Ion: 42 Resp: 36556

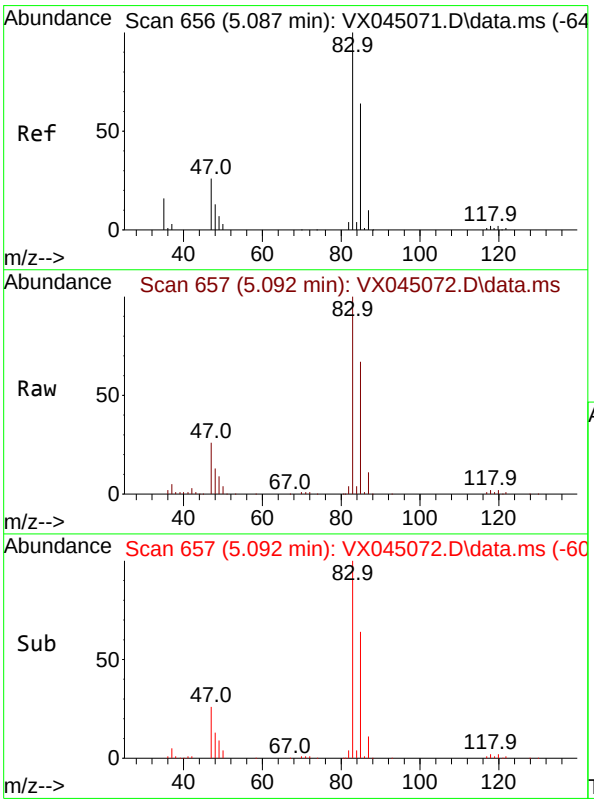
Ion	Ratio	Lower	Upper
42	100		
72	42.1	34.1	51.1
71	39.2	31.4	47.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

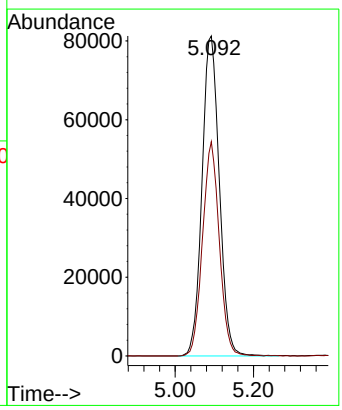


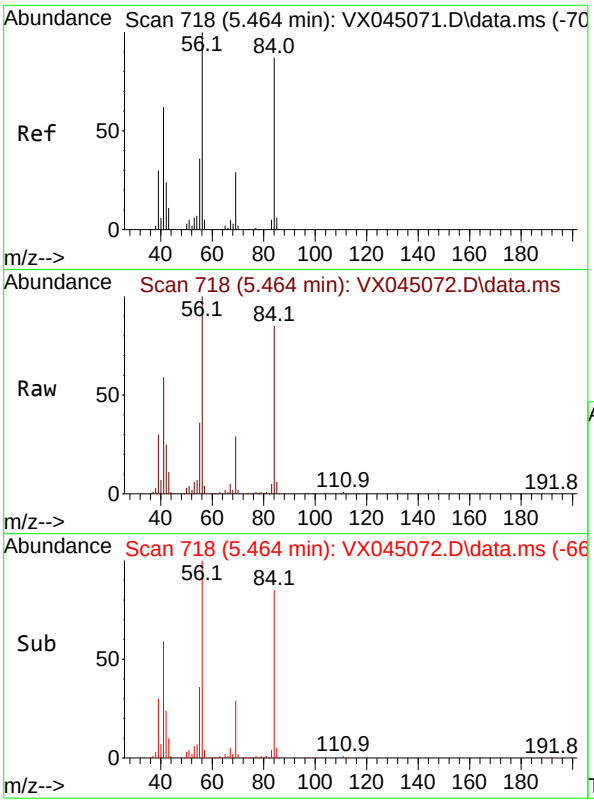


#30
Chloroform
Concen: 101.814 ug/l
RT: 5.092 min Scan# 657
Delta R.T. 0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 83 Resp: 248978

Ion	Ratio	Lower	Upper
83	100		
85	66.9	51.4	77.2

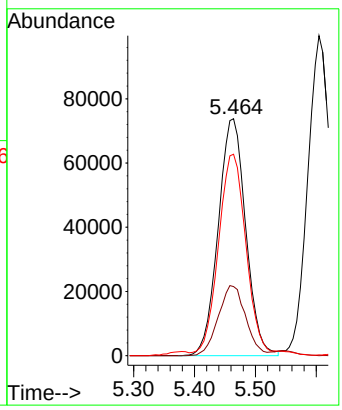




#31
Cyclohexane
Concen: 100.711 ug/l
RT: 5.464 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 56 Resp: 23108

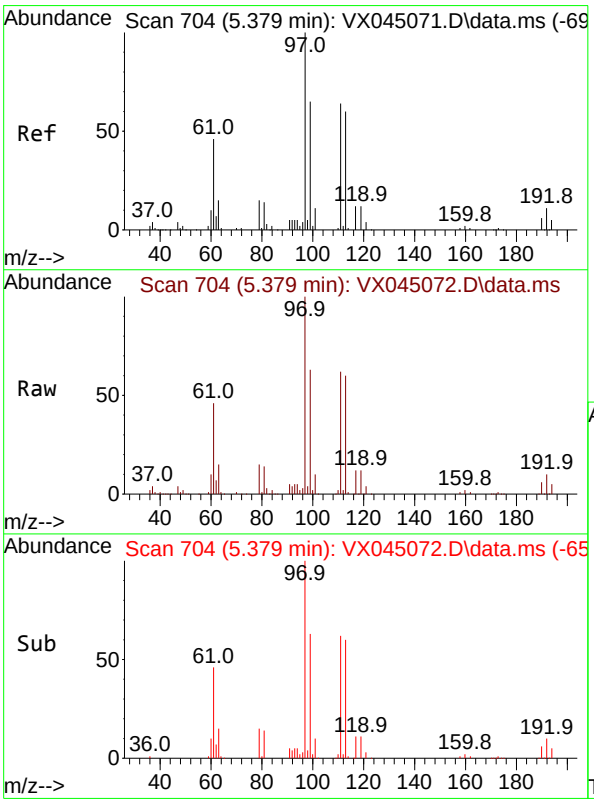
Ion	Ratio	Lower	Upper
56	100		
69	29.1	23.4	35.2
84	83.3	69.4	104.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

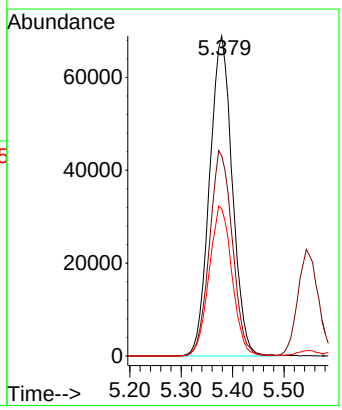
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

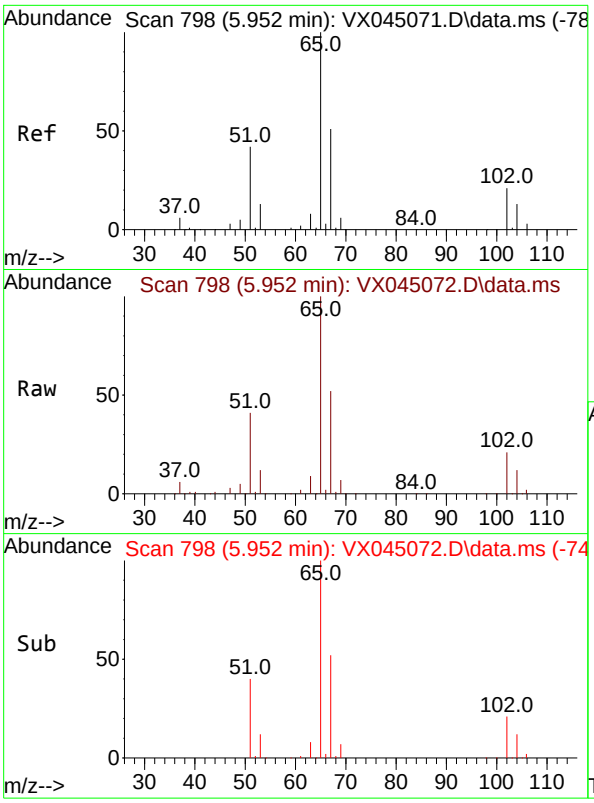


#32
1,1,1-Trichloroethane
Concen: 102.638 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

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

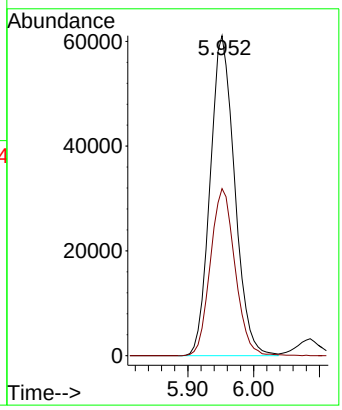




#33
1,2-Dichloroethane-d4
Concen: 106.011 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 65 Resp: 15845

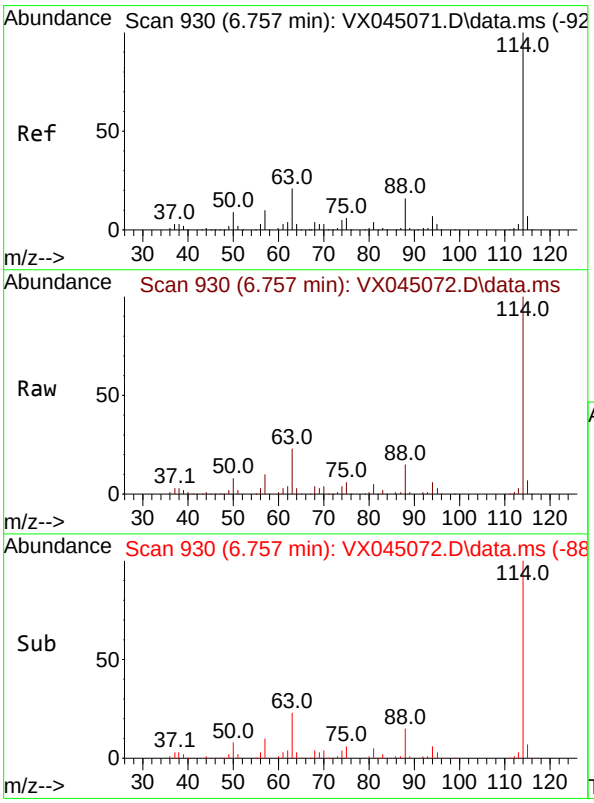
Ion	Ratio	Lower	Upper
65	100		
67	52.5	0.0	106.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

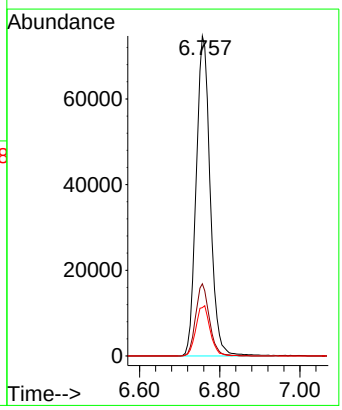
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

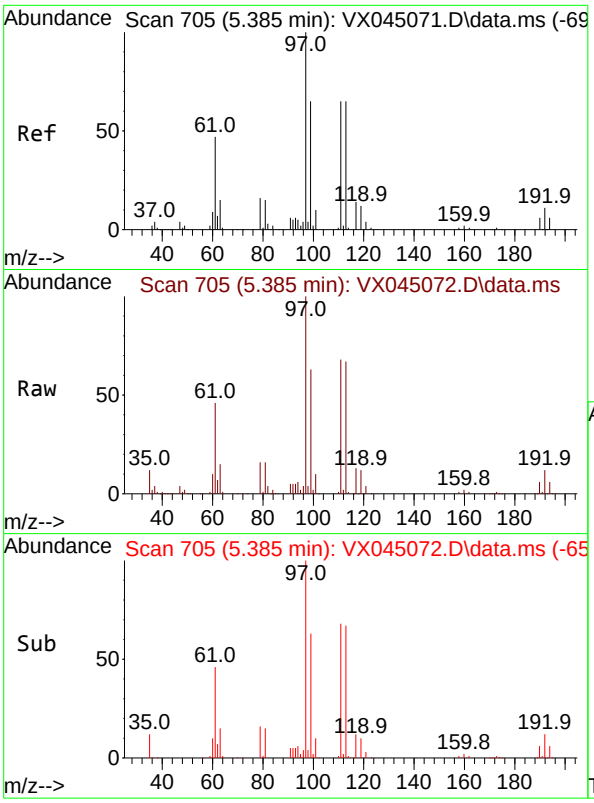


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

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

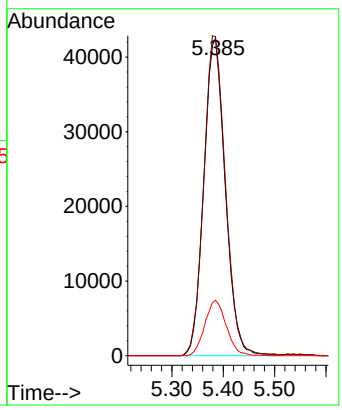




#35
Dibromofluoromethane
Concen: 104.110 ug/l
RT: 5.385 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:113 Resp: 12318

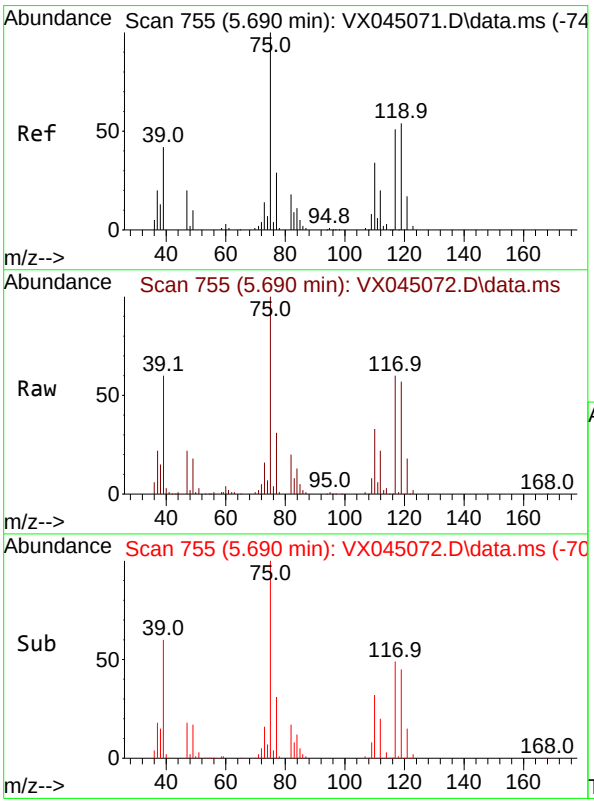
Ion	Ratio	Lower	Upper
113	100		
111	102.1	81.8	122.6
192	17.5	14.3	21.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

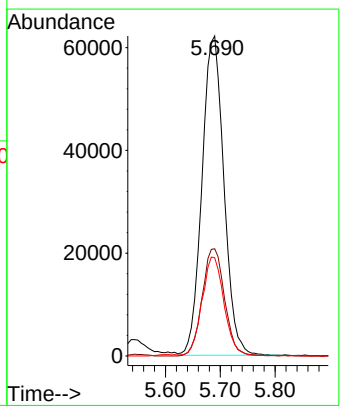
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

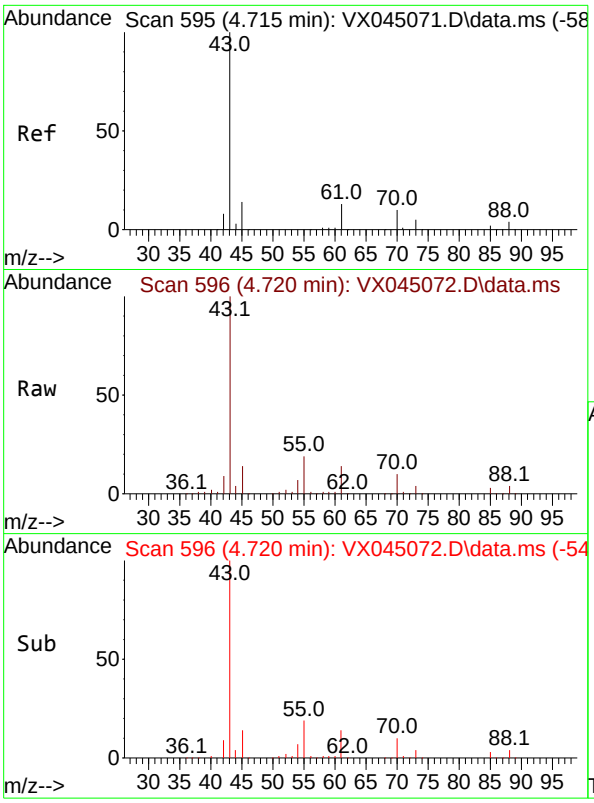


#36
1,1-Dichloropropene
Concen: 101.258 ug/l
RT: 5.690 min Scan# 755
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

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

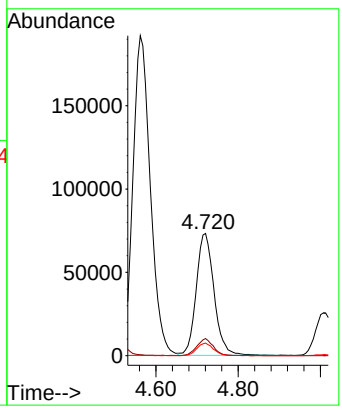




#37
Ethyl Acetate
Concen: 113.796 ug/l
RT: 4.720 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 43 Resp: 22032

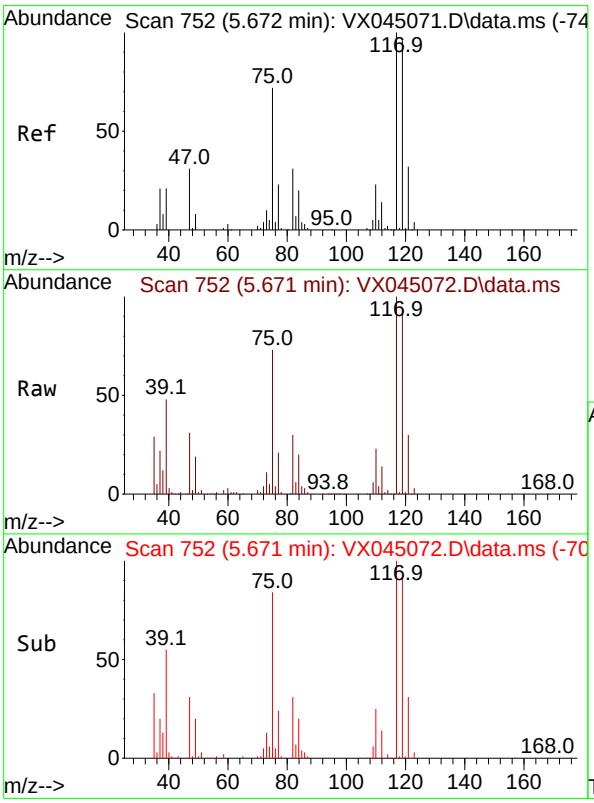
Ion	Ratio	Lower	Upper
43	100		
61	12.6	10.8	16.2
70	9.6	7.7	11.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

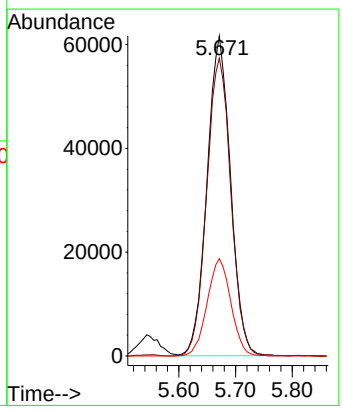
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

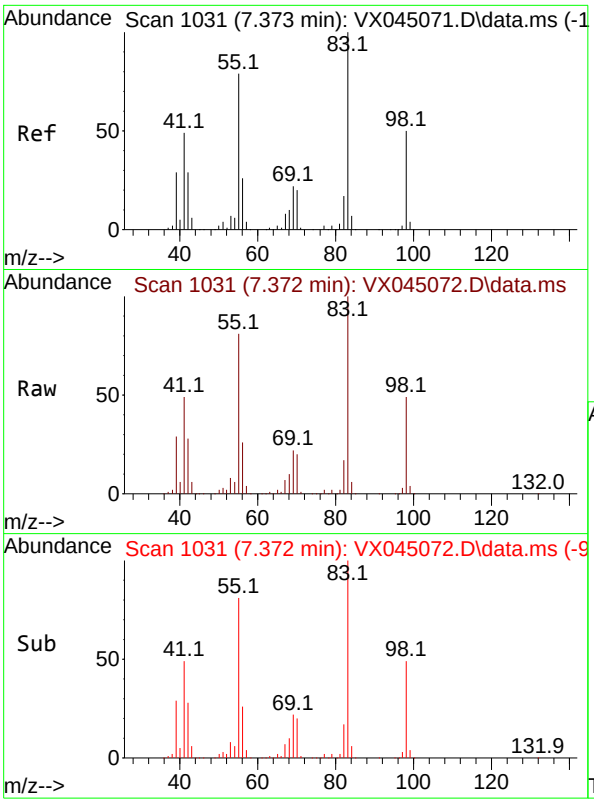


#38
Carbon Tetrachloride
Concen: 105.940 ug/l
RT: 5.671 min Scan# 752
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

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

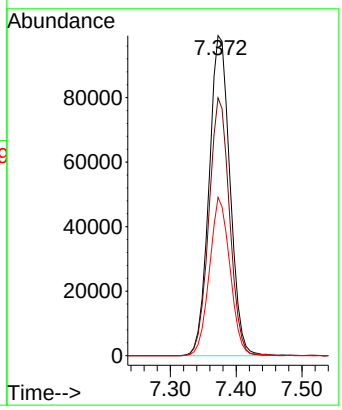




#39
Methylcyclohexane
Concen: 101.175 ug/l
RT: 7.372 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 83 Resp: 21985

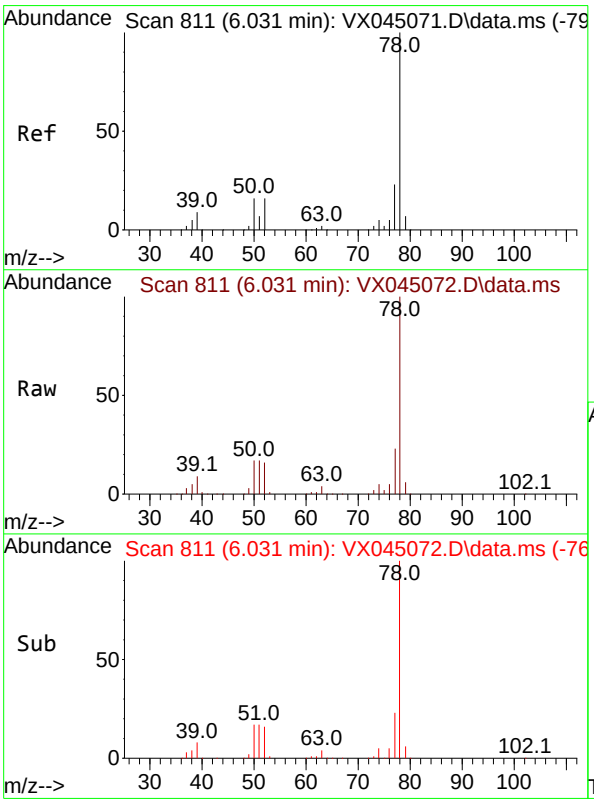
Ion	Ratio	Lower	Upper
83	100		
55	80.6	63.0	94.4
98	49.5	39.7	59.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

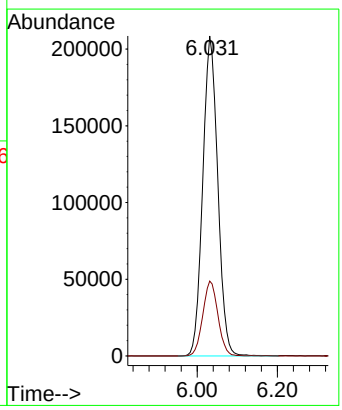
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

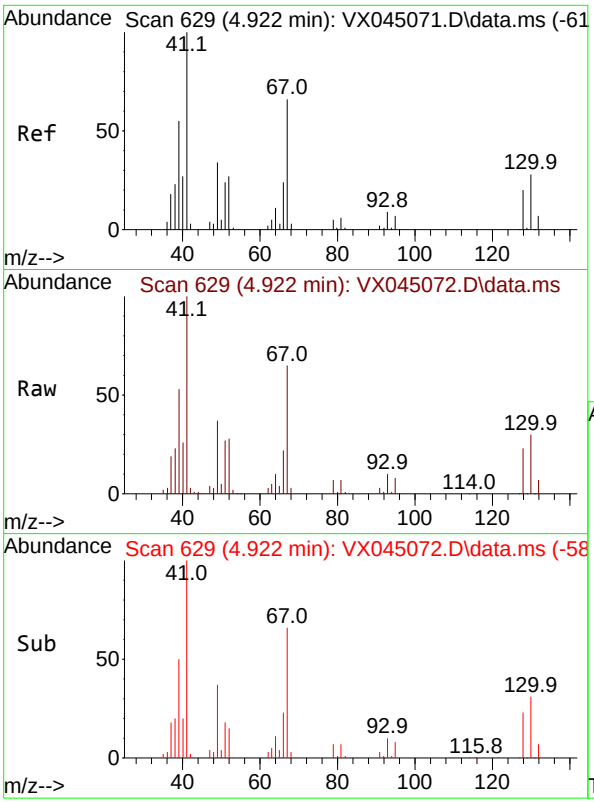


#40
Benzene
Concen: 101.908 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 78 Resp: 541974

Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.8	28.2

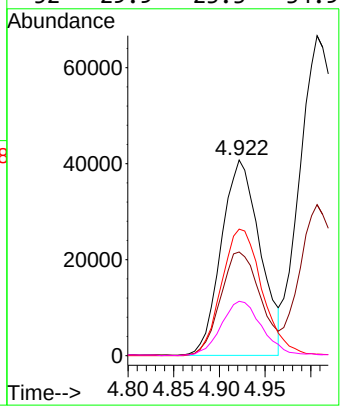




#41
Methacrylonitrile
Concen: 116.205 ug/l
RT: 4.922 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 41 Resp: 12018

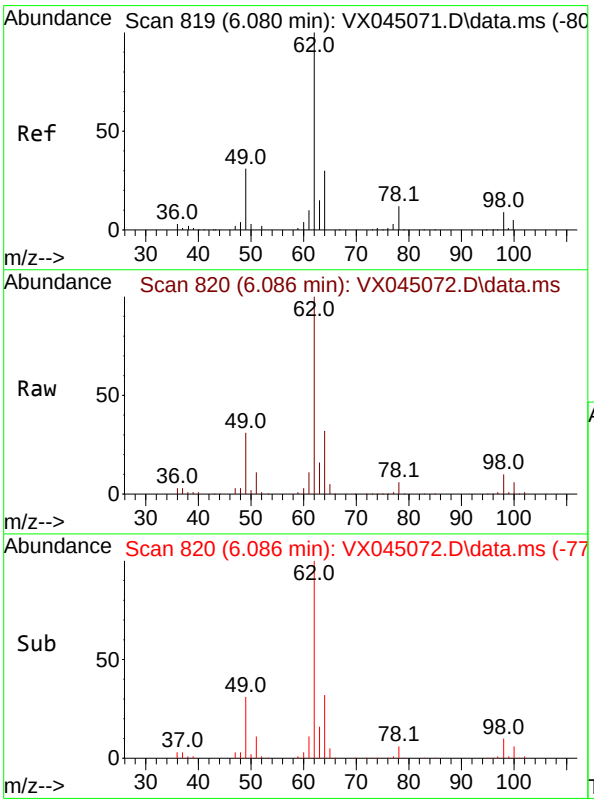
Ion	Ratio	Lower	Upper
41	100		
39	54.3	44.6	67.0
67	68.3	53.9	80.9
52	29.9	23.3	34.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

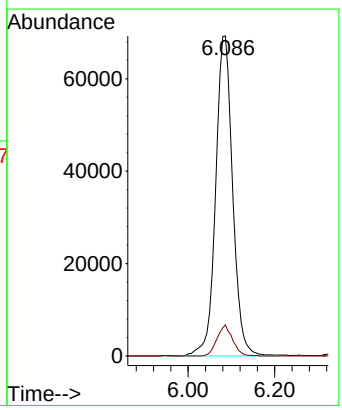
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

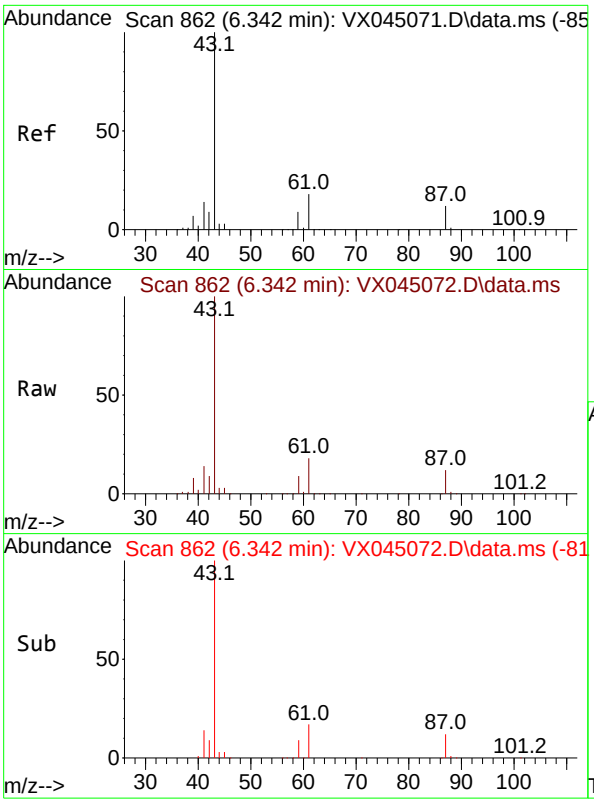


#42
1,2-Dichloroethane
Concen: 110.158 ug/l
RT: 6.086 min Scan# 820
Delta R.T. 0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

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

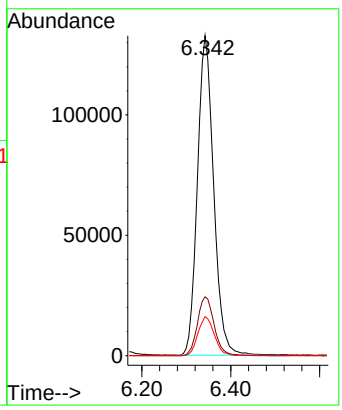
Tgt Ion: 43 Resp: 33841

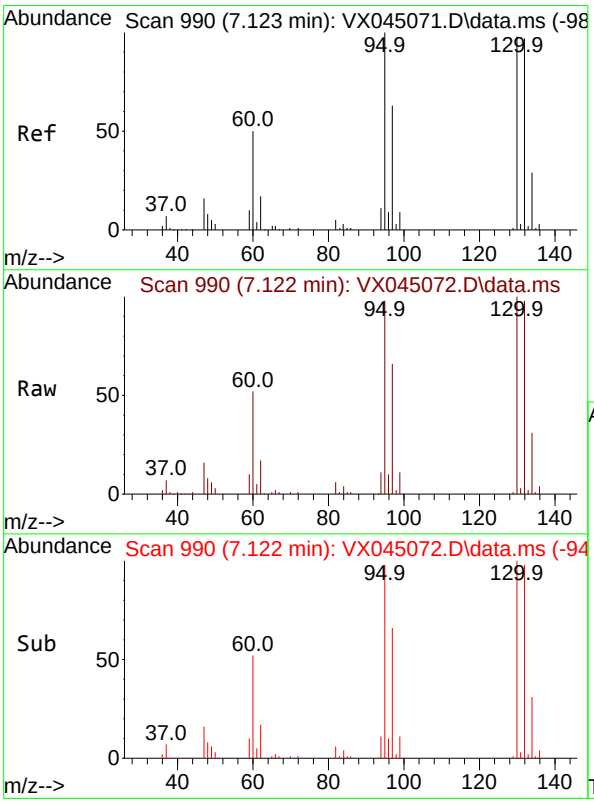
Ion	Ratio	Lower	Upper
43	100		
61	18.9	14.9	22.3
87	12.3	9.4	14.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

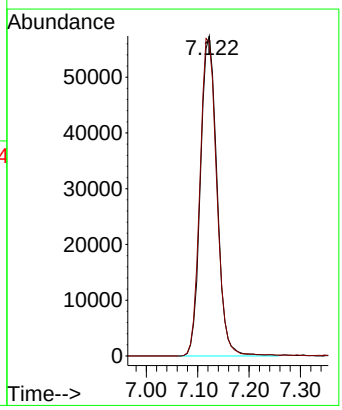


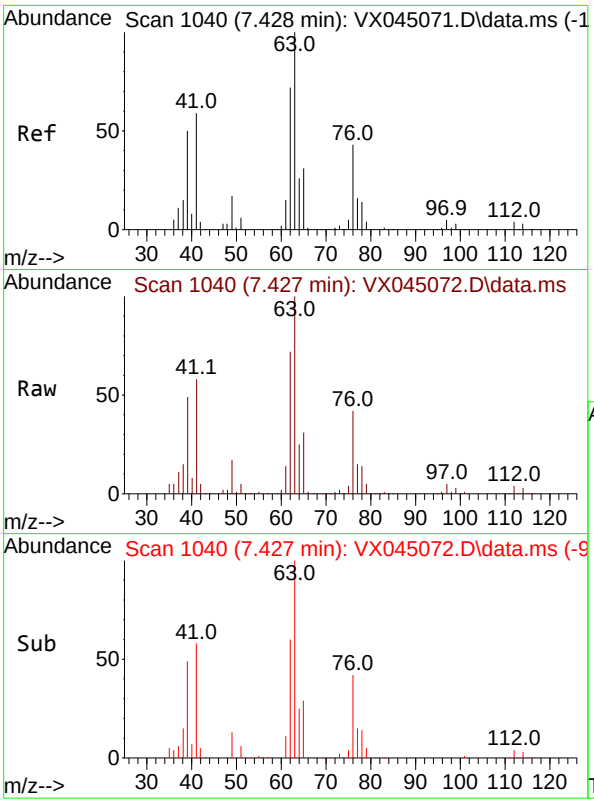


#44
Trichloroethene
Concen: 105.402 ug/l
RT: 7.122 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:130 Resp: 128124

Ion	Ratio	Lower	Upper
130	100		
95	98.1	0.0	205.0

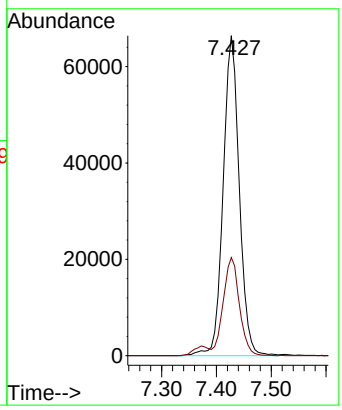




#45
1,2-Dichloropropane
Concen: 102.898 ug/l
RT: 7.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 63 Resp: 13599

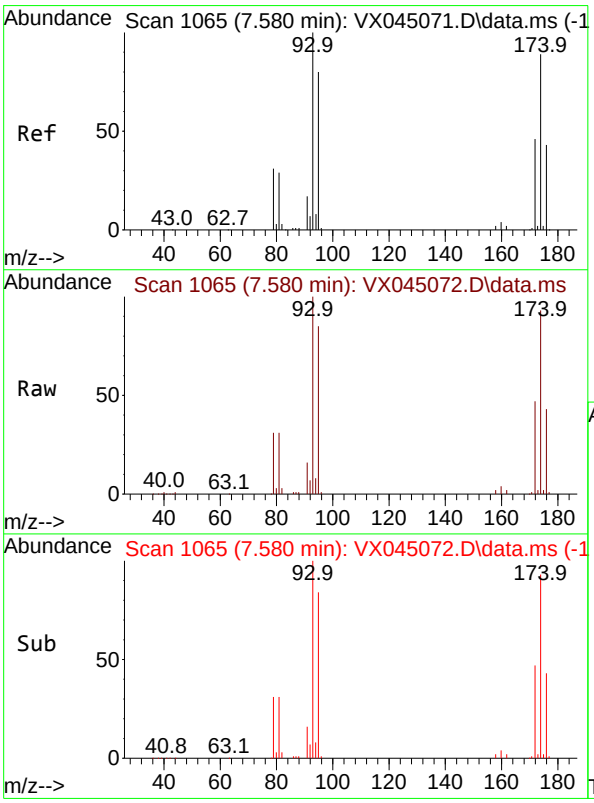
Ion	Ratio	Lower	Upper
63	100		
65	30.7	24.7	37.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

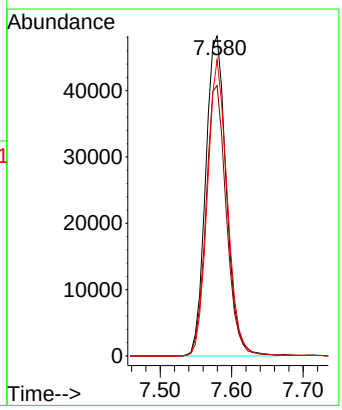
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

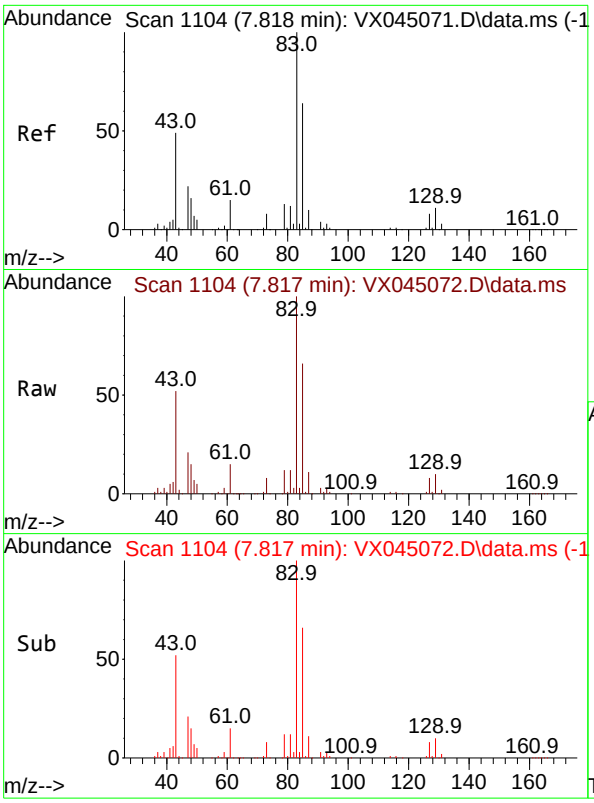


#46
Dibromomethane
Concen: 105.329 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

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

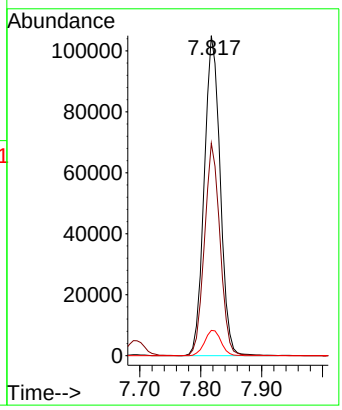




#47
Bromodichloromethane
Concen: 106.947 ug/l
RT: 7.817 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 83 Resp: 19101

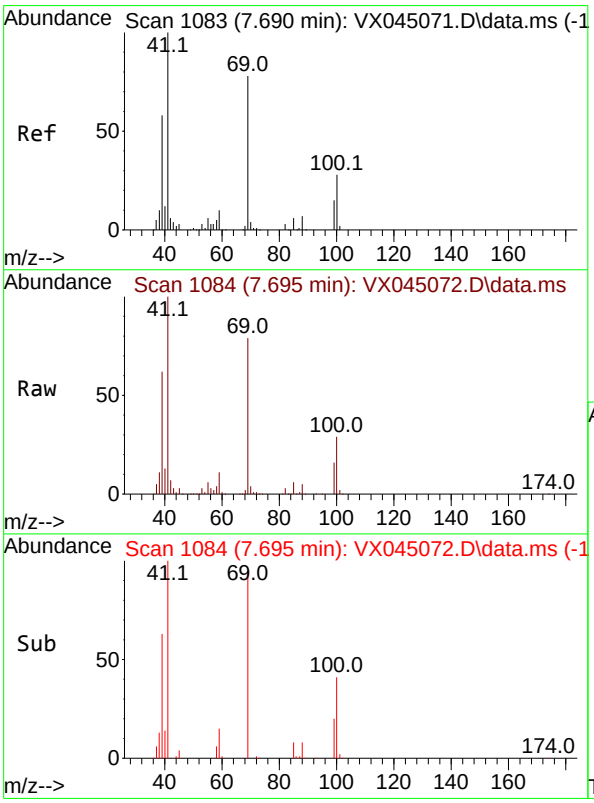
Ion	Ratio	Lower	Upper
83	100		
85	66.4	51.1	76.7
127	7.9	6.4	9.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

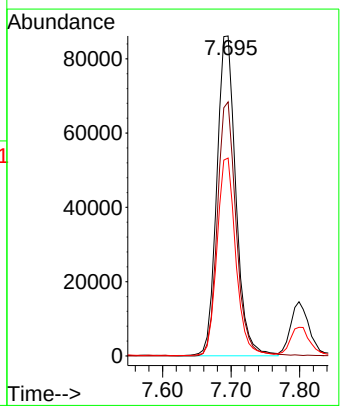
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

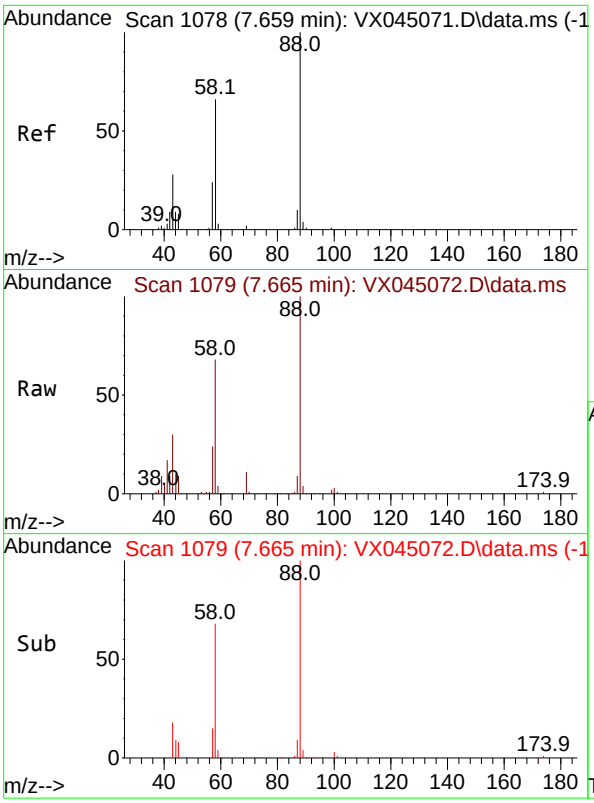


#48
Methyl methacrylate
Concen: 113.344 ug/l
RT: 7.695 min Scan# 1084
Delta R.T. 0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

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

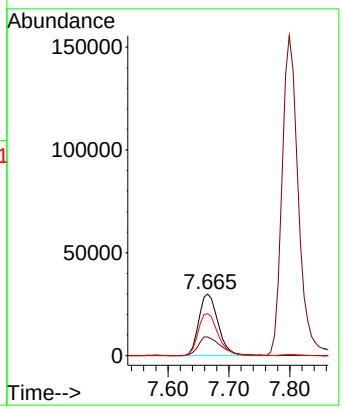
Tgt Ion: 88 Resp: 6630

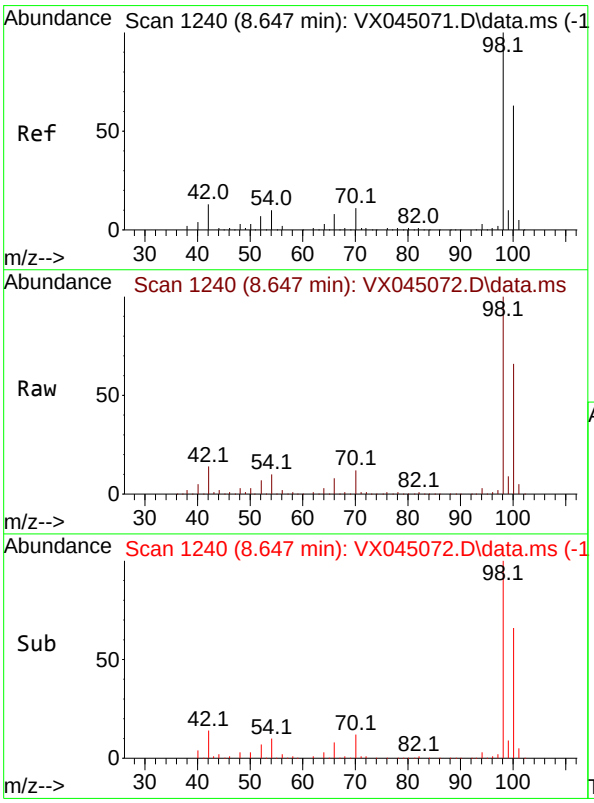
Ion	Ratio	Lower	Upper
88	100		
43	35.6	28.7	43.1
58	70.5	55.8	83.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

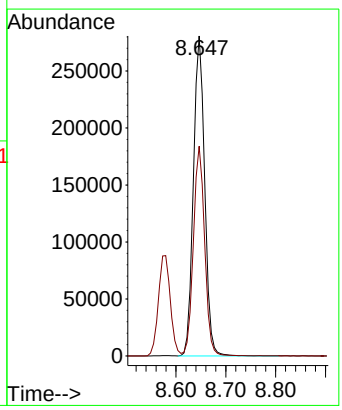


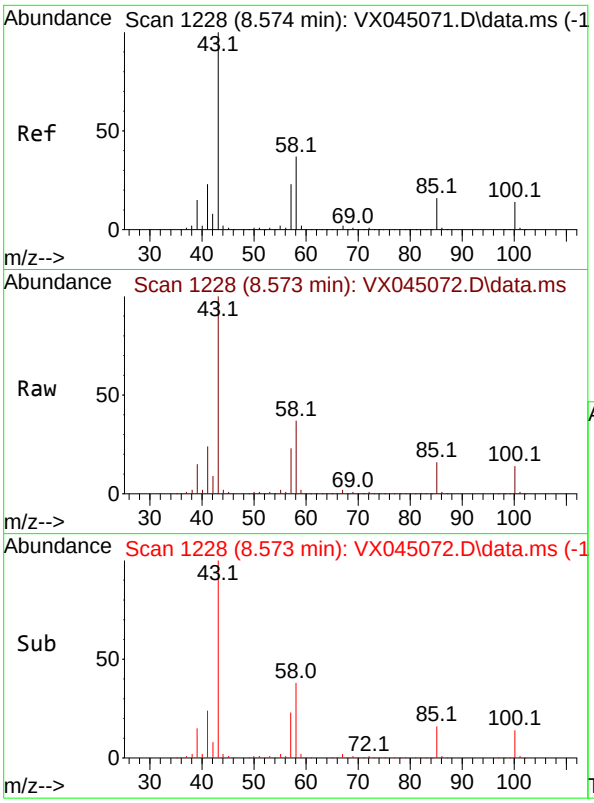


#50
Toluene-d8
Concen: 99.595 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 98 Resp: 441188

Ion	Ratio	Lower	Upper
98	100		
100	65.3	52.0	78.0

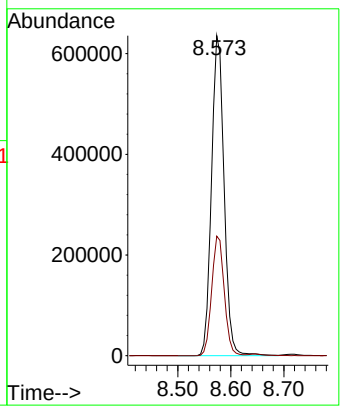




#51
4-Methyl-2-Pentanone
Concen: 555.050 ug/l
RT: 8.573 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 43 Resp: 104814

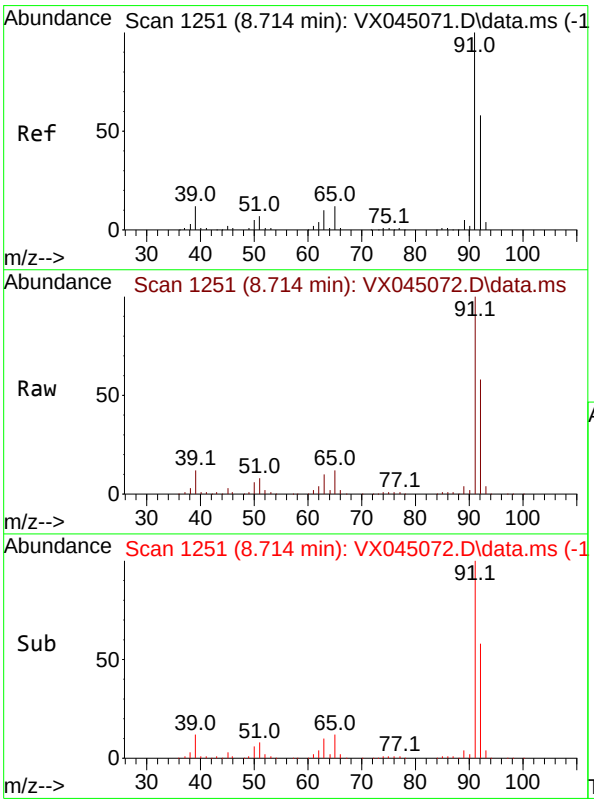
Ion	Ratio	Lower	Upper
43	100		
58	37.4	29.2	43.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

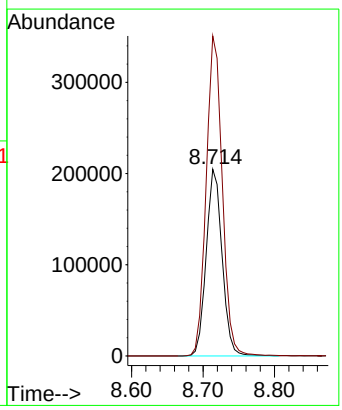
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

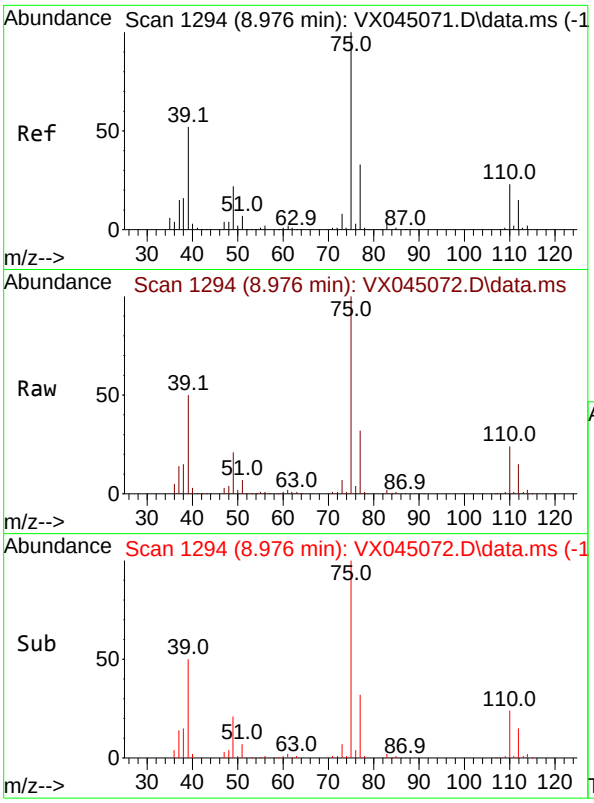


#52
Toluene
Concen: 100.178 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 92 Resp: 316349

Ion	Ratio	Lower	Upper
92	100		
91	173.2	138.9	208.3

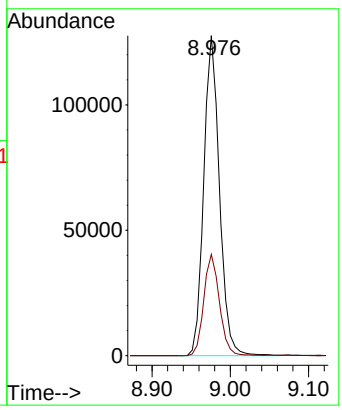




#53
t-1,3-Dichloropropene
Concen: 100.462 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 75 Resp: 17735

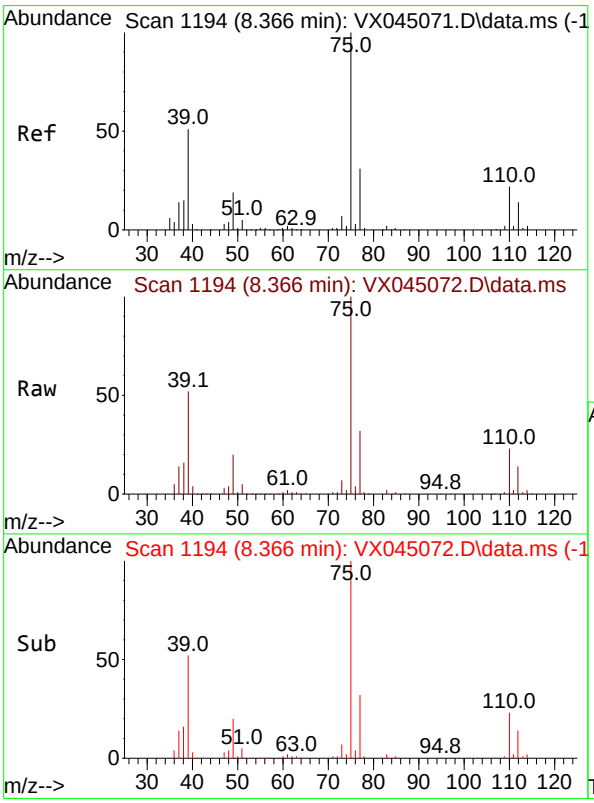
Ion	Ratio	Lower	Upper
75	100		
77	31.6	26.5	39.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

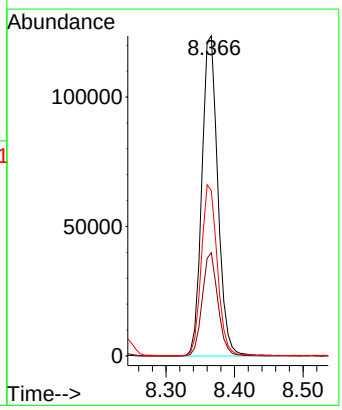
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

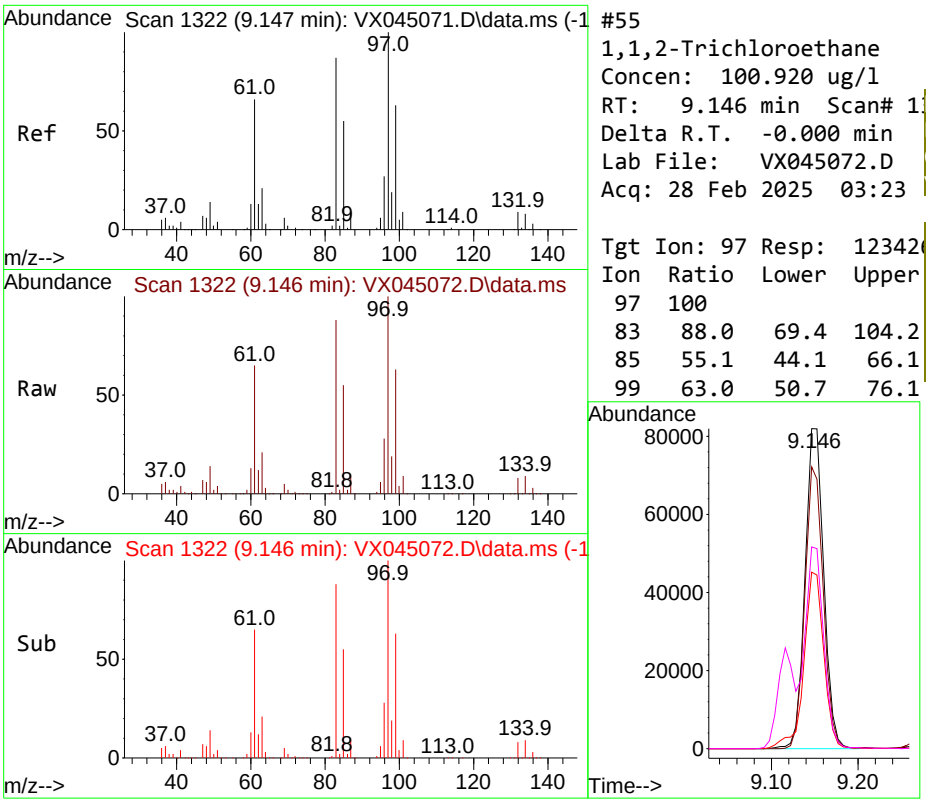


#54
cis-1,3-Dichloropropene
Concen: 101.815 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

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

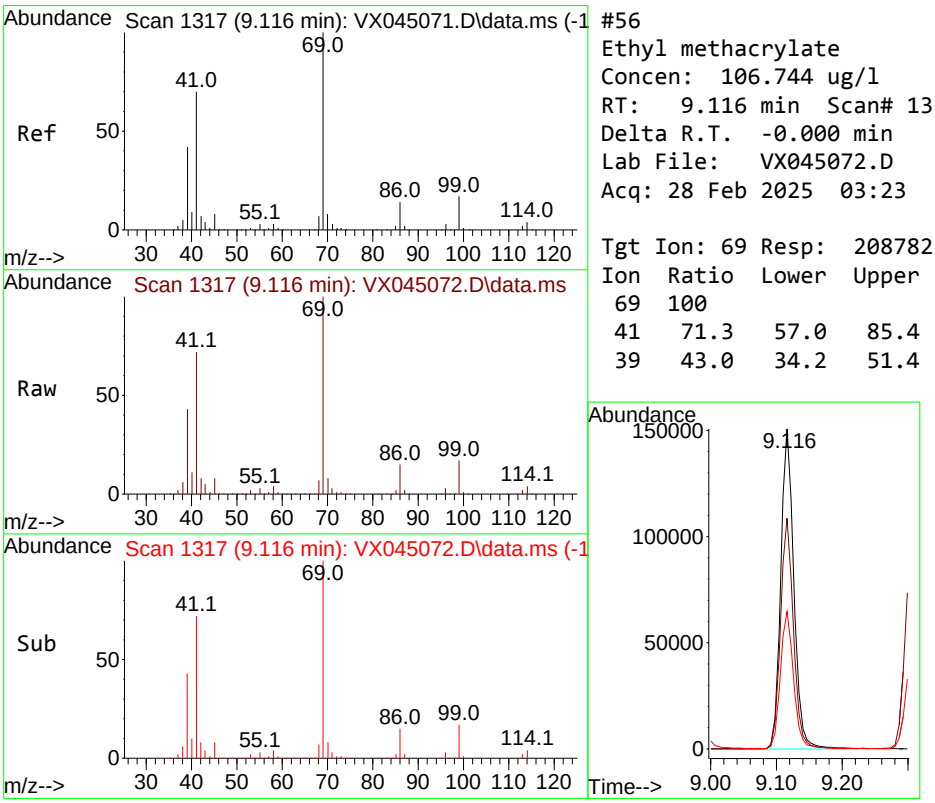
Tgt Ion: 97 Resp: 12342

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

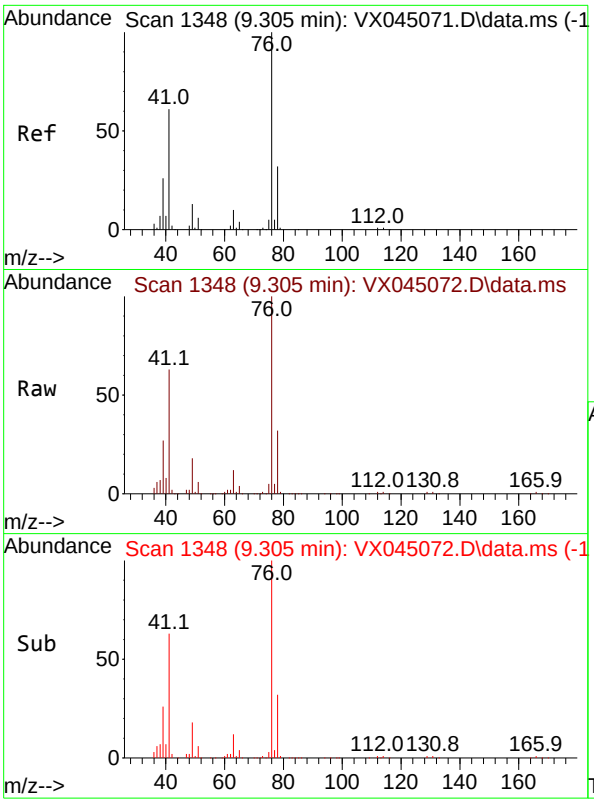
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#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

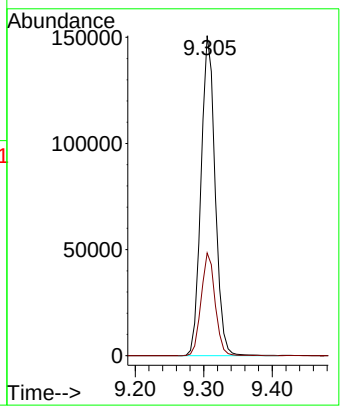
Ion	Ratio	Lower	Upper
69	100		
41	71.3	57.0	85.4
39	43.0	34.2	51.4



#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

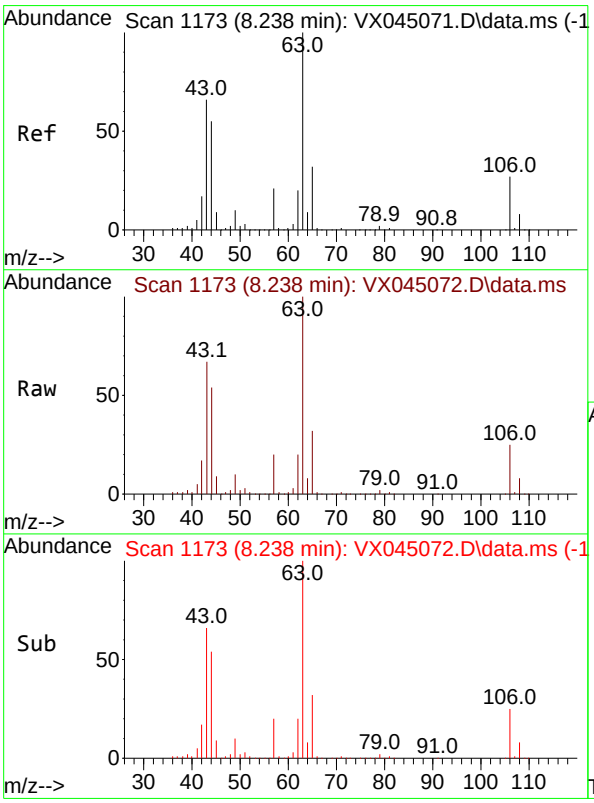
Ion	Ratio	Lower	Upper
76	100		
78	31.8	25.5	38.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

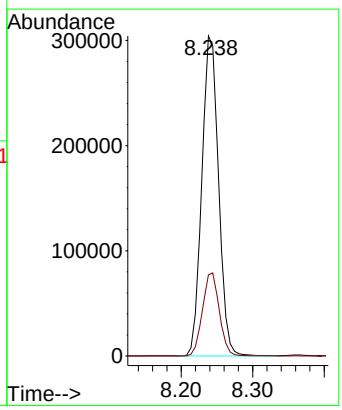
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

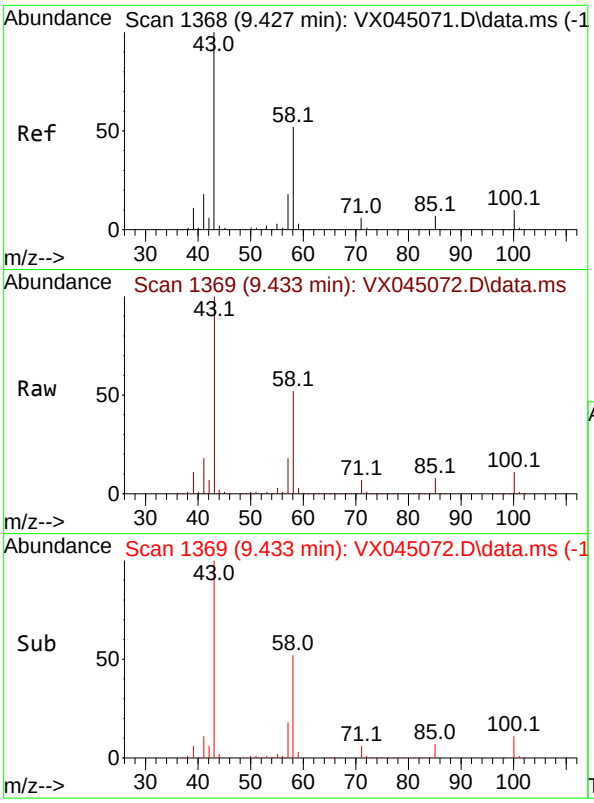


#58
2-Chloroethyl Vinyl ether
Concen: 514.987 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

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

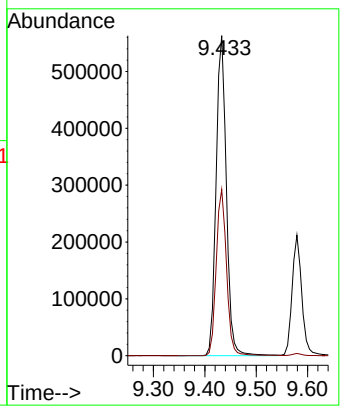
Tgt Ion: 43 Resp: 77949

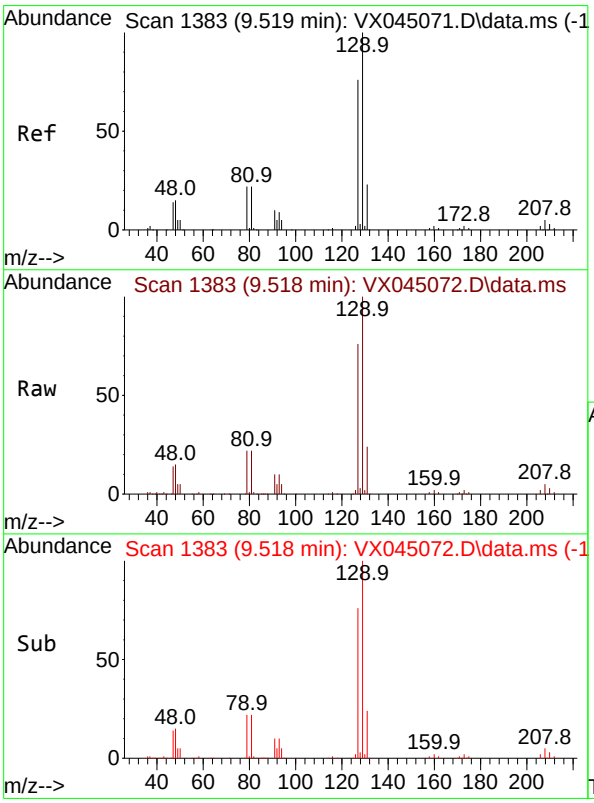
Ion	Ratio	Lower	Upper
43	100		
58	52.2	25.9	77.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

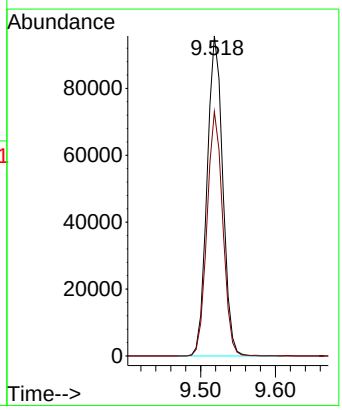


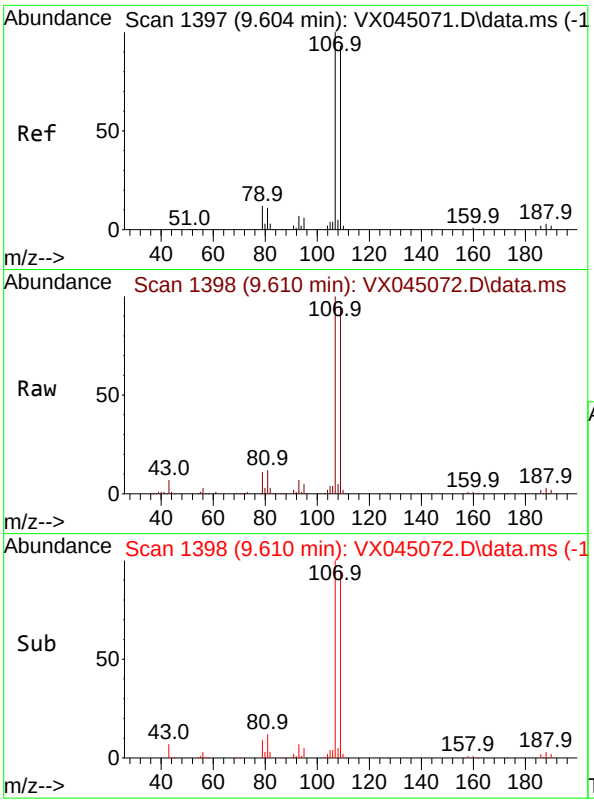


#60
Dibromochloromethane
Concen: 106.719 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:129 Resp: 139245

Ion	Ratio	Lower	Upper
129	100		
127	76.3	38.5	115.5

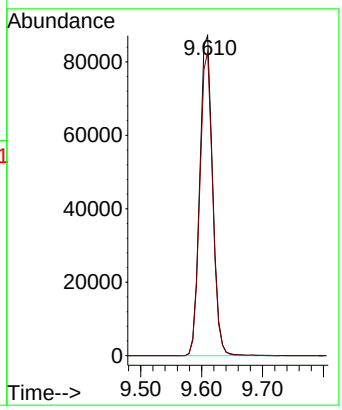




#61
1,2-Dibromoethane
Concen: 104.259 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:107 Resp: 12861

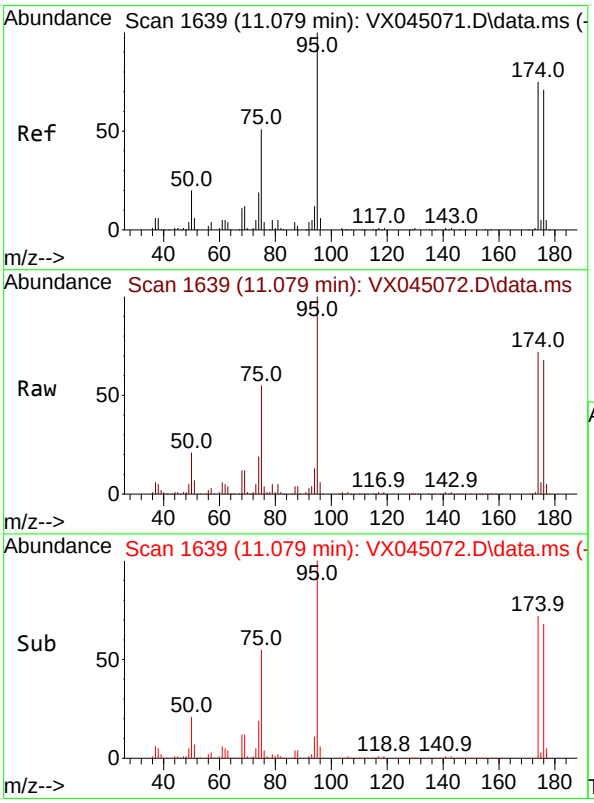
Ion	Ratio	Lower	Upper
107	100		
109	94.3	76.1	114.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

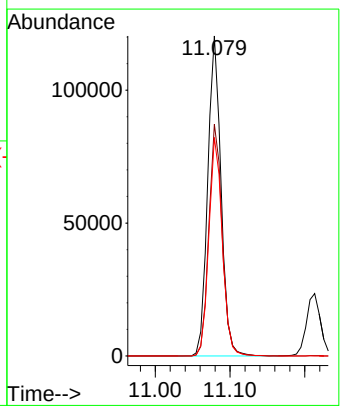
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

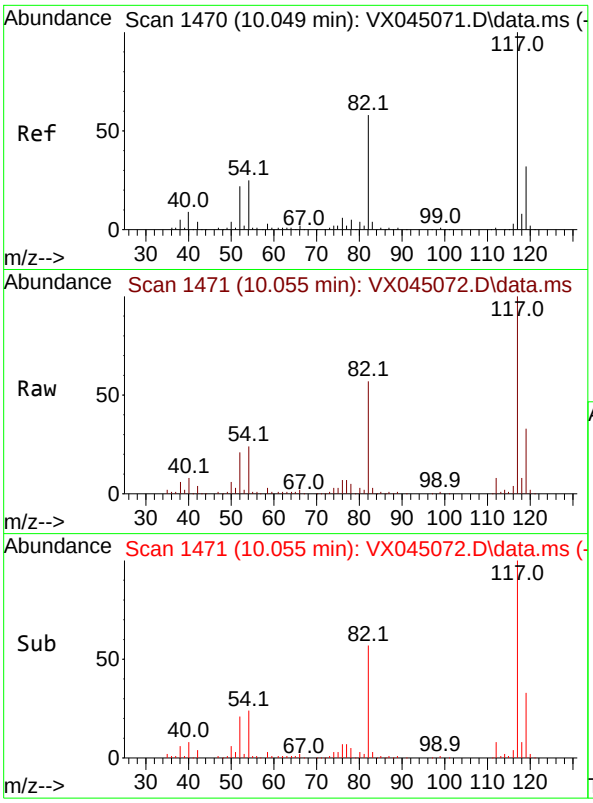


#62
4-Bromofluorobenzene
Concen: 100.365 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

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

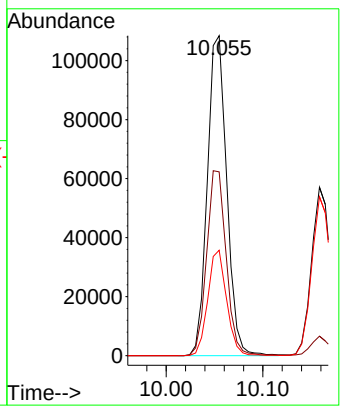




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:117 Resp: 15117

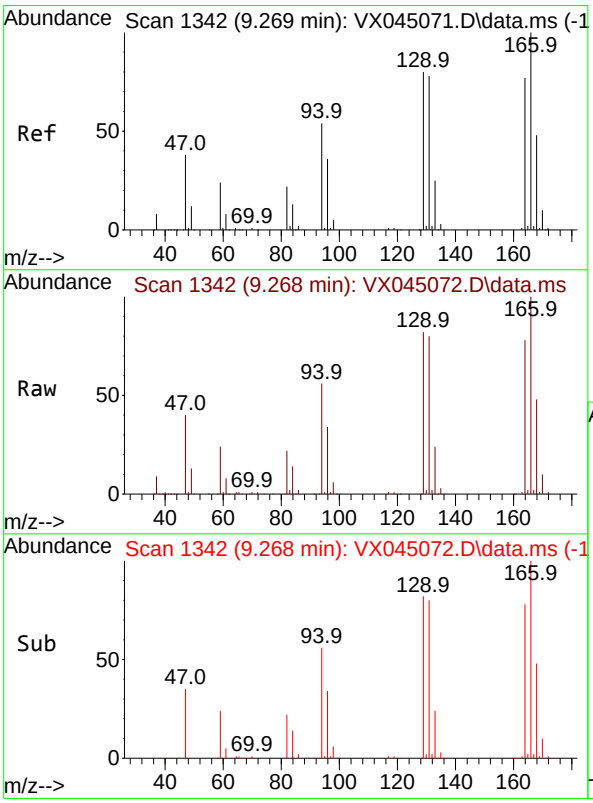
Ion	Ratio	Lower	Upper
117	100		
82	57.5	46.3	69.5
119	33.0	25.7	38.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

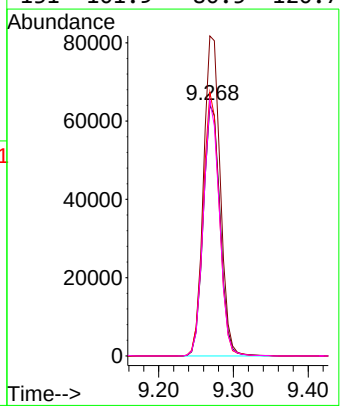
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

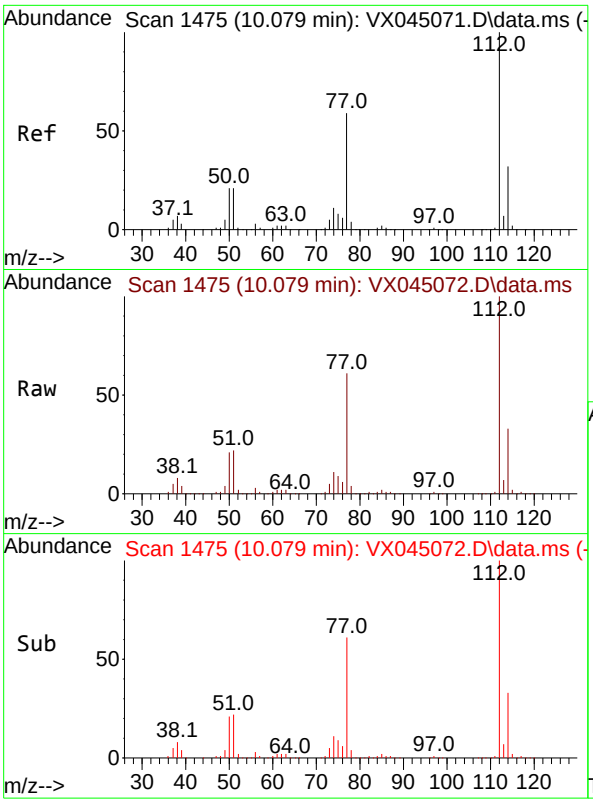


#64
Tetrachloroethene
Concen: 103.491 ug/l
RT: 9.268 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

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

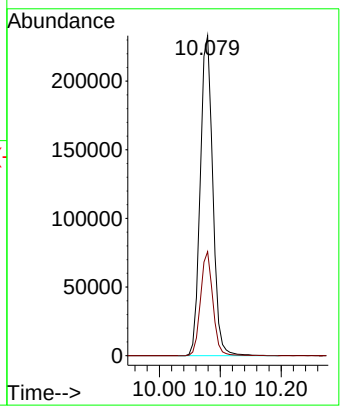




#65
Chlorobenzene
Concen: 102.456 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:112 Resp: 33247

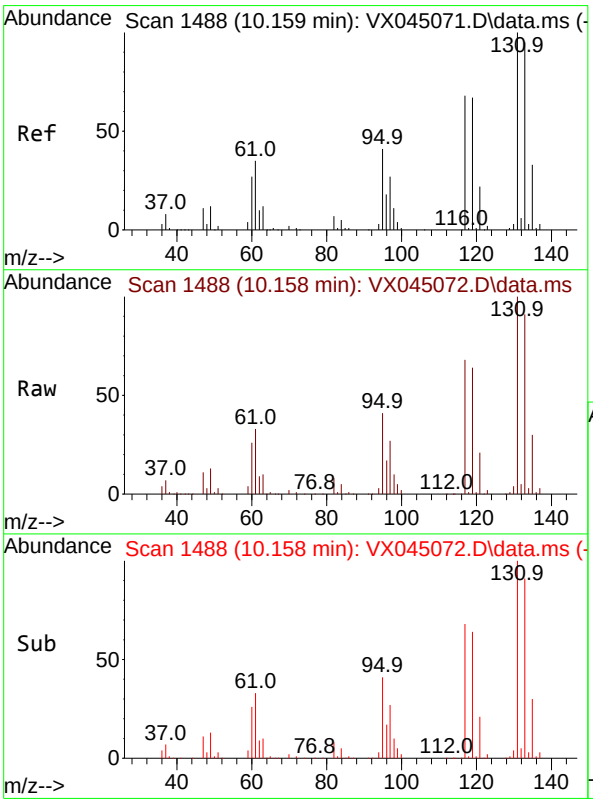
Ion	Ratio	Lower	Upper
112	100		
114	32.5	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

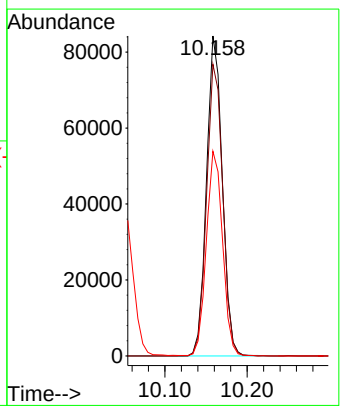
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

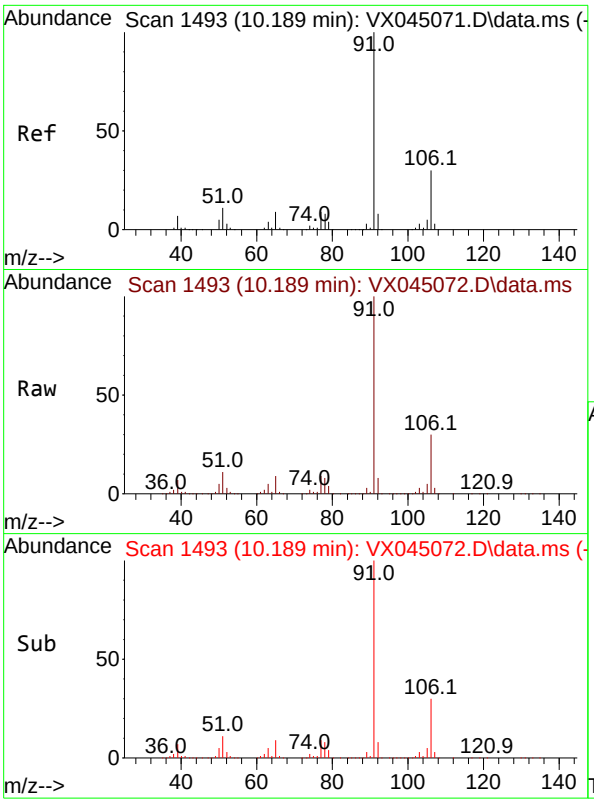


#66
1,1,1,2-Tetrachloroethane
Concen: 107.511 ug/l
RT: 10.158 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

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

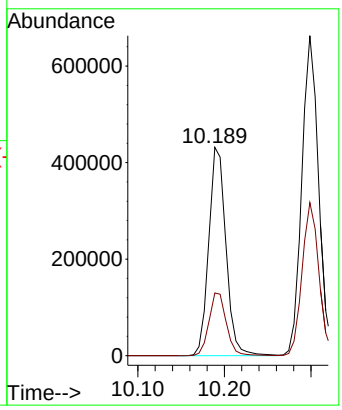




#67
Ethyl Benzene
Concen: 103.905 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 91 Resp: 59625

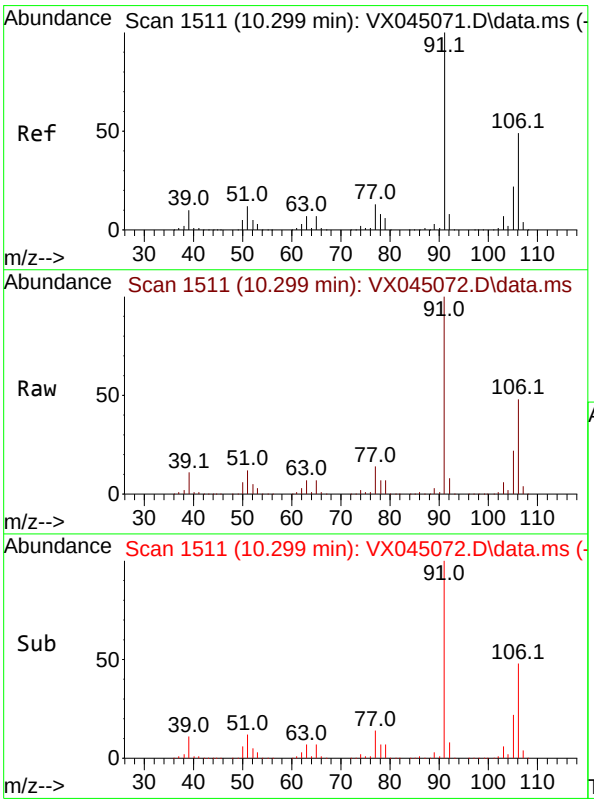
Ion	Ratio	Lower	Upper
91	100		
106	30.1	23.9	35.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

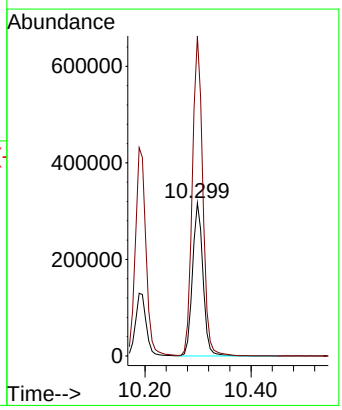
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

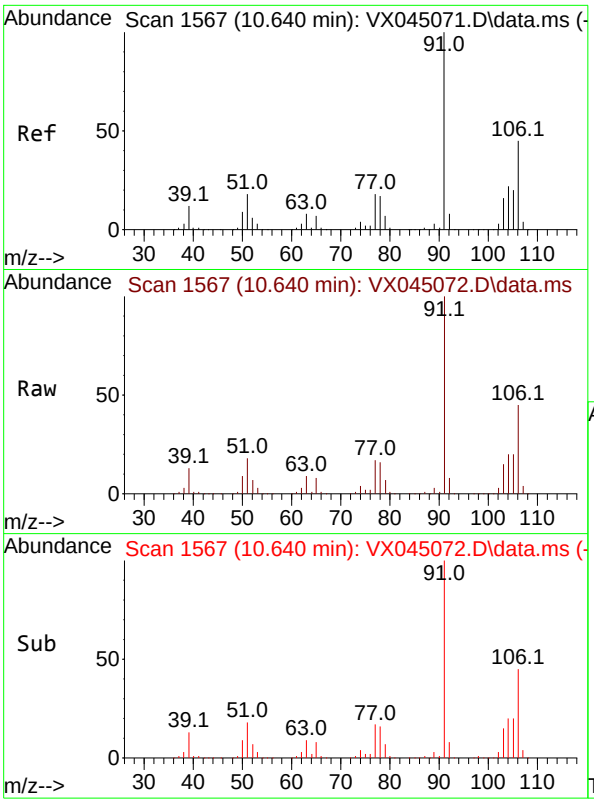


#68
m/p-Xylenes
Concen: 204.507 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:106 Resp: 432214

Ion	Ratio	Lower	Upper
106	100		
91	208.9	165.4	248.0

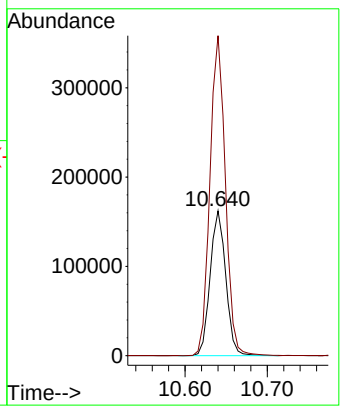




#69
o-Xylene
Concen: 100.849 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:106 Resp: 21383

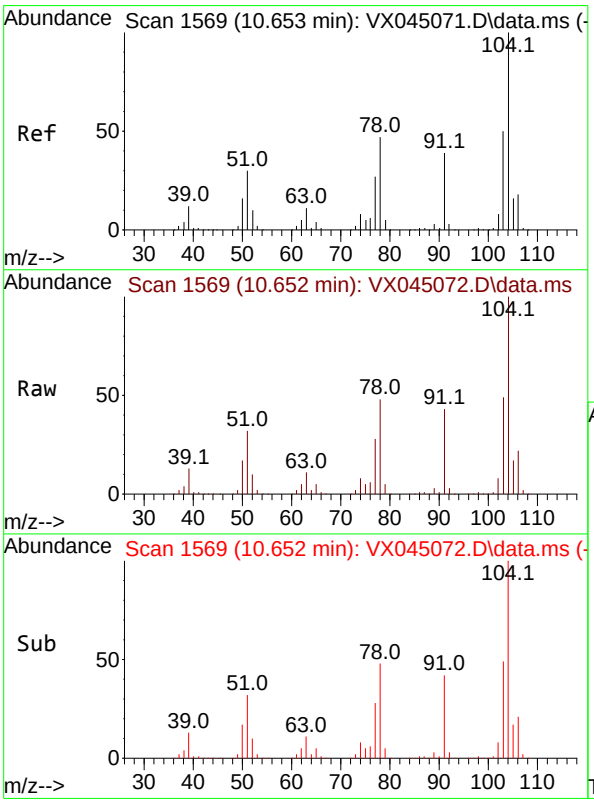
Ion	Ratio	Lower	Upper
106	100		
91	218.2	109.9	329.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

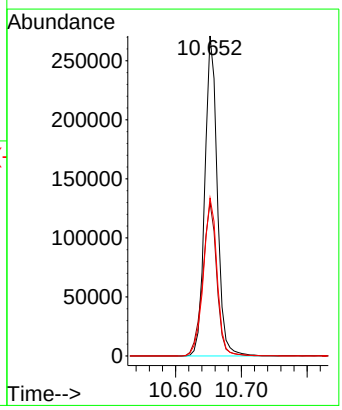
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

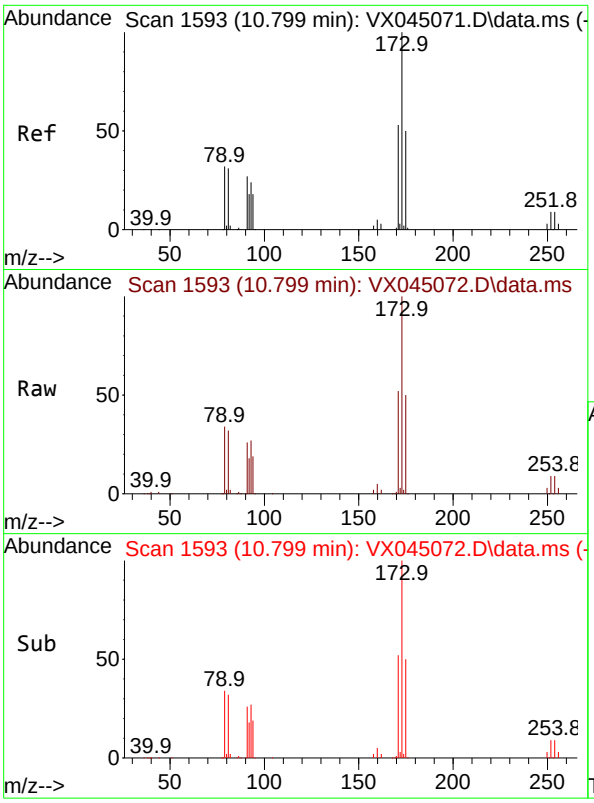


#70
Styrene
Concen: 104.948 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

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

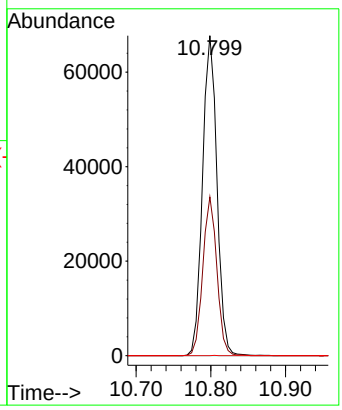




#71
Bromoform
Concen: 116.751 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:173 Resp: 9080

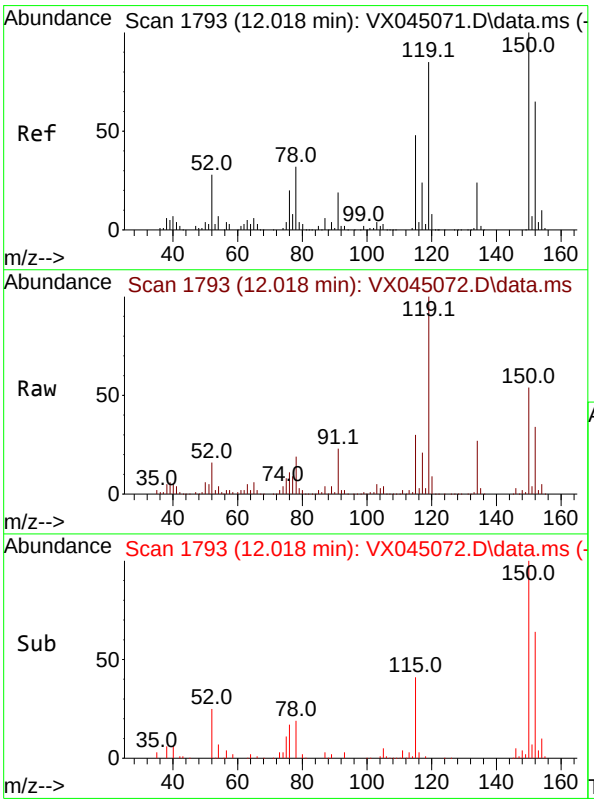
Ion	Ratio	Lower	Upper
173	100		
175	48.3	24.6	73.6
254	0.0	0.0	0.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

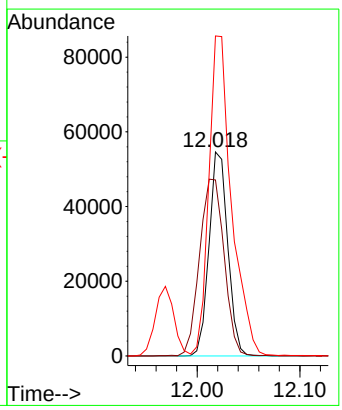
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

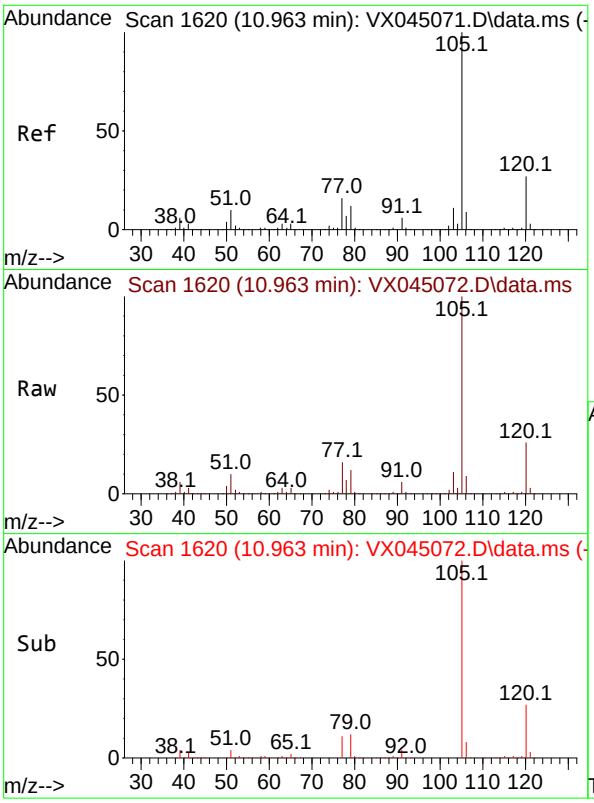


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

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

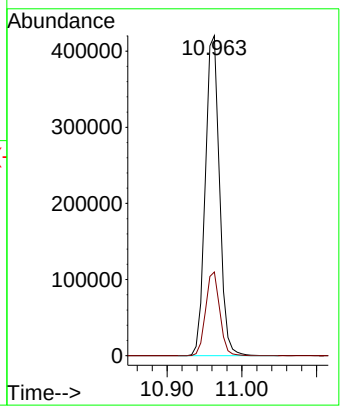




#73
Isopropylbenzene
Concen: 99.138 ug/l
RT: 10.963 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:105 Resp: 55353

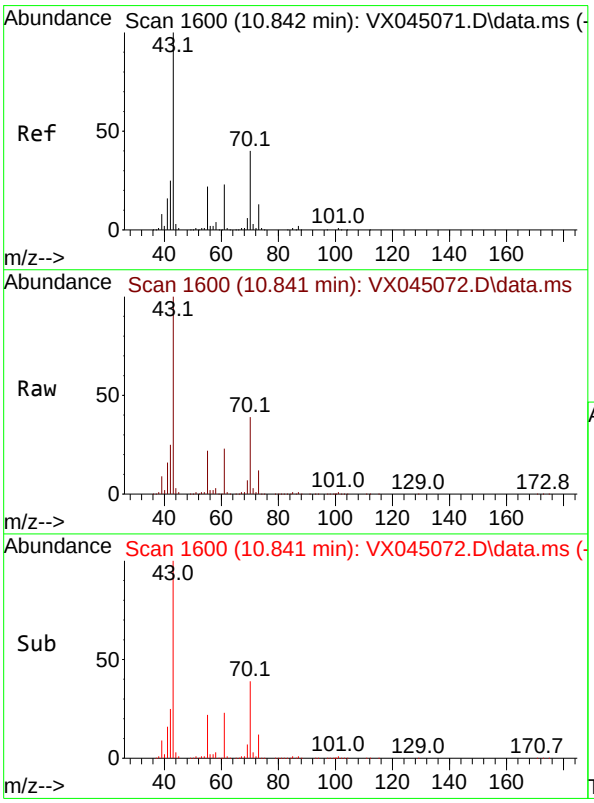
Ion	Ratio	Lower	Upper
105	100		
120	26.0	13.2	39.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

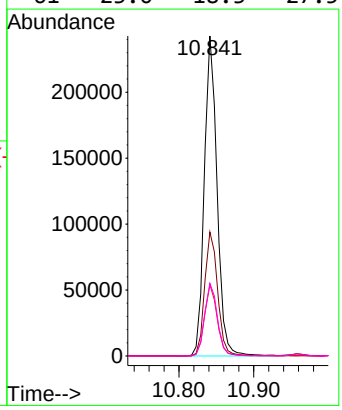
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

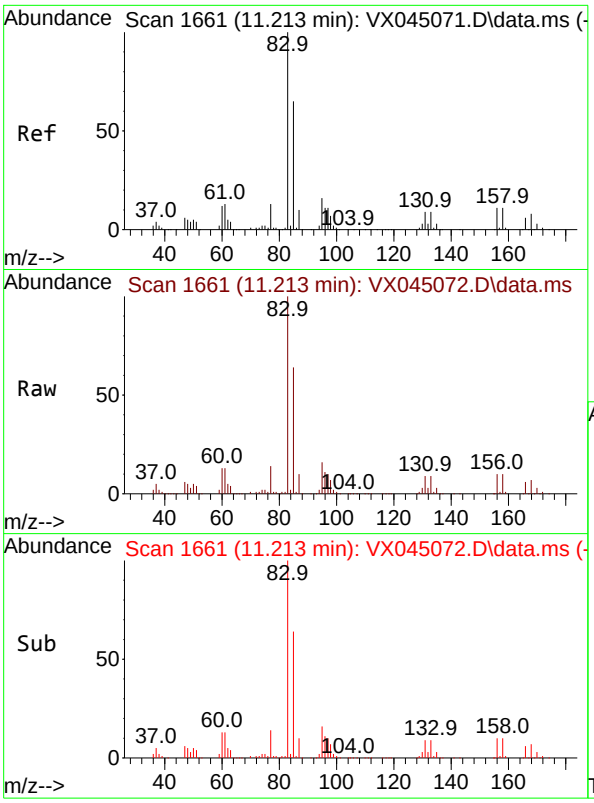


#74
N-amyl acetate
Concen: 113.277 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

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

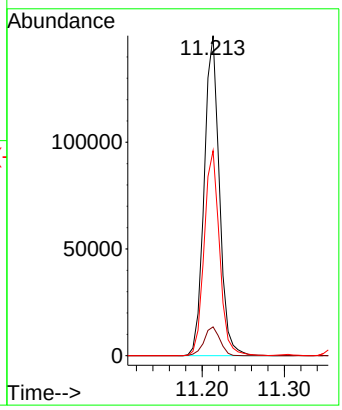




#75
1,1,2,2-Tetrachloroethane
Concen: 99.923 ug/l
RT: 11.213 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 83 Resp: 19221

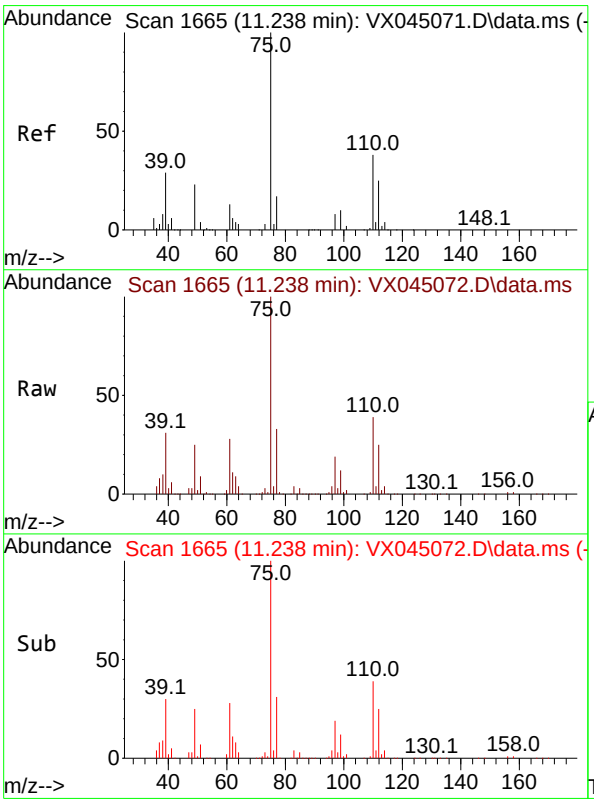
Ion	Ratio	Lower	Upper
83	100		
131	9.4	4.5	13.4
85	64.7	31.7	95.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

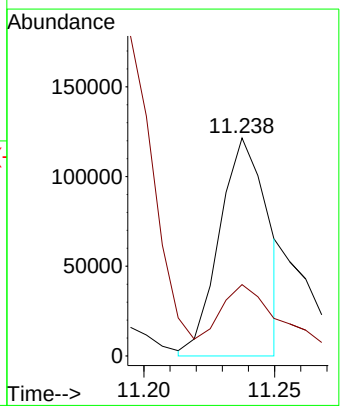
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

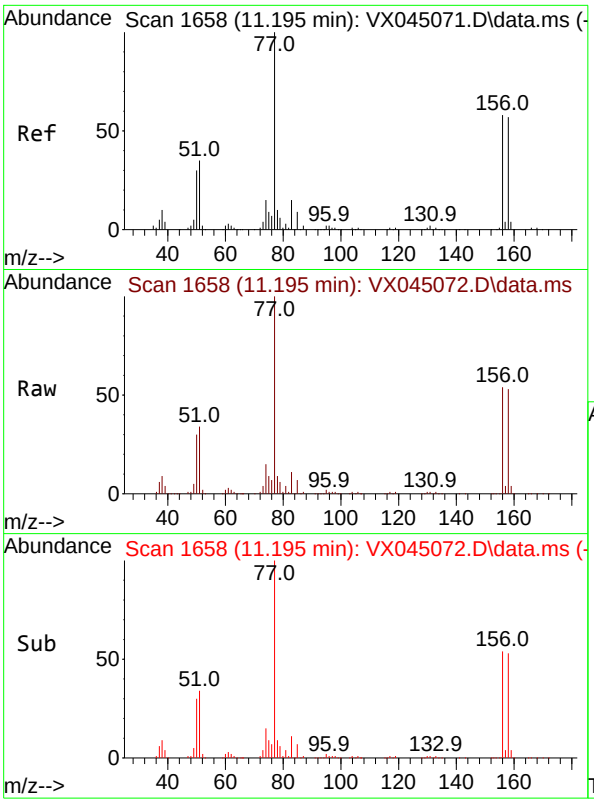


#76
1,2,3-Trichloropropane
Concen: 101.395 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 75 Resp: 156259

Ion	Ratio	Lower	Upper
75	100		
77	42.7	20.7	62.1

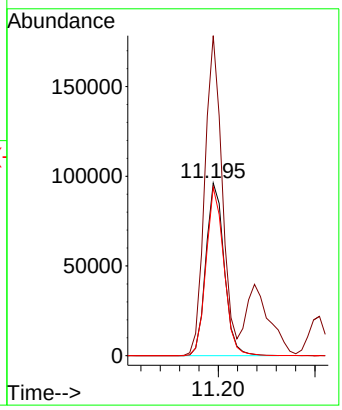




#77
Bromobenzene
Concen: 99.175 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:156 Resp: 12570

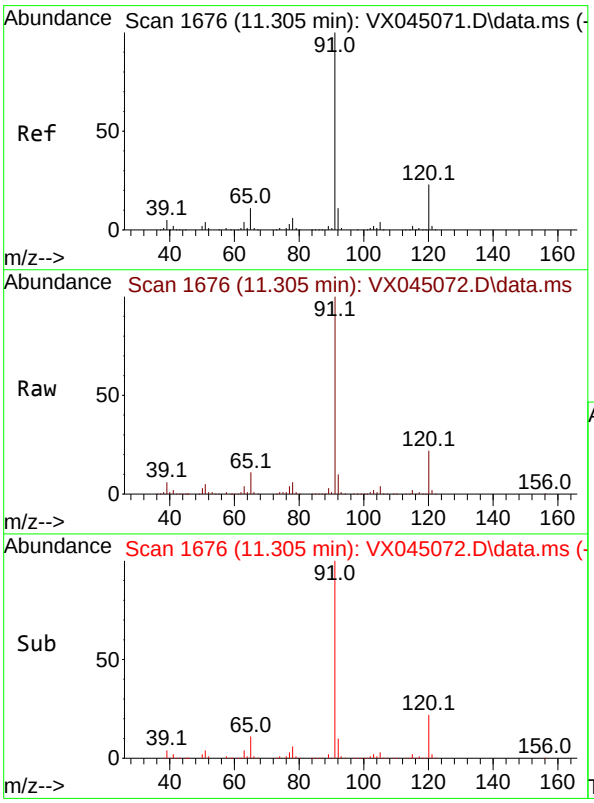
Ion	Ratio	Lower	Upper
156	100		
77	177.3	85.8	257.4
158	95.9	48.4	145.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

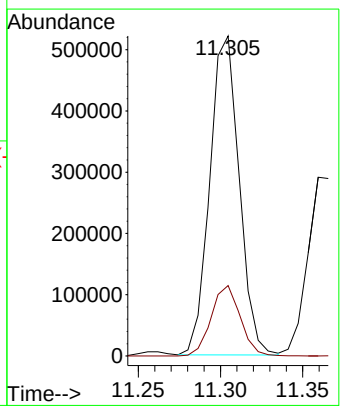
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

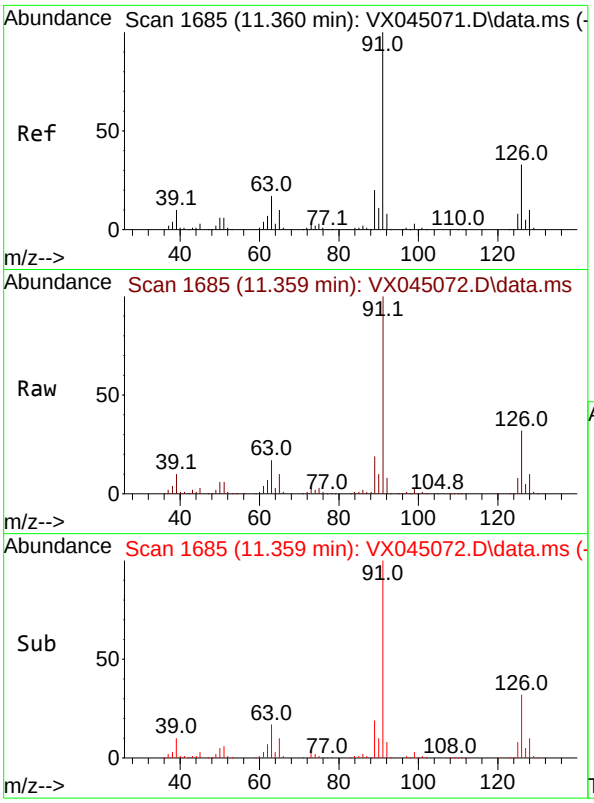


#78
n-propylbenzene
Concen: 100.758 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 91 Resp: 648835

Ion	Ratio	Lower	Upper
91	100		
120	21.8	11.2	33.6

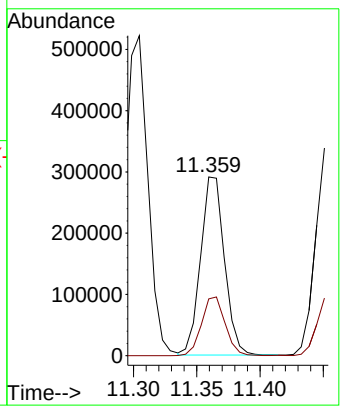




#79
2-Chlorotoluene
Concen: 96.825 ug/l
RT: 11.359 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 91 Resp: 38270

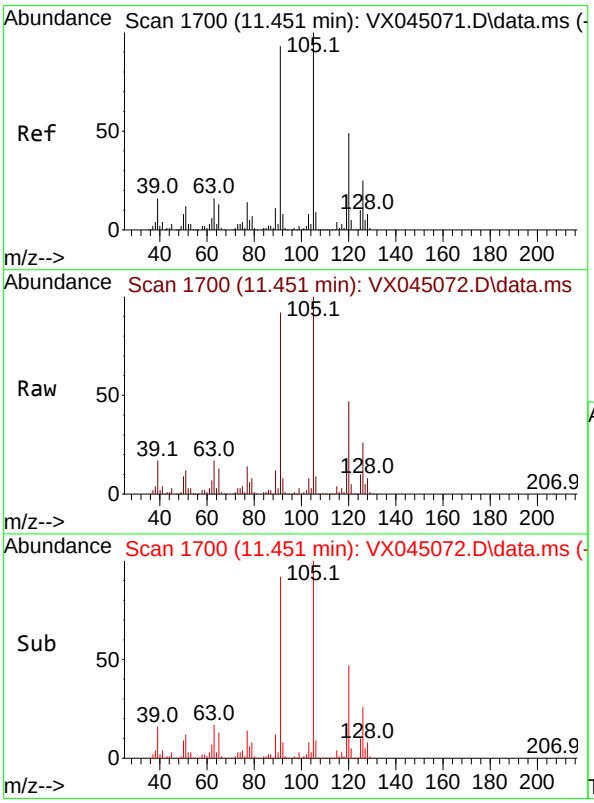
Ion	Ratio	Lower	Upper
91	100		
126	32.7	16.4	49.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

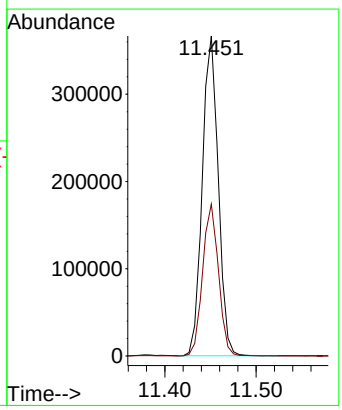
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

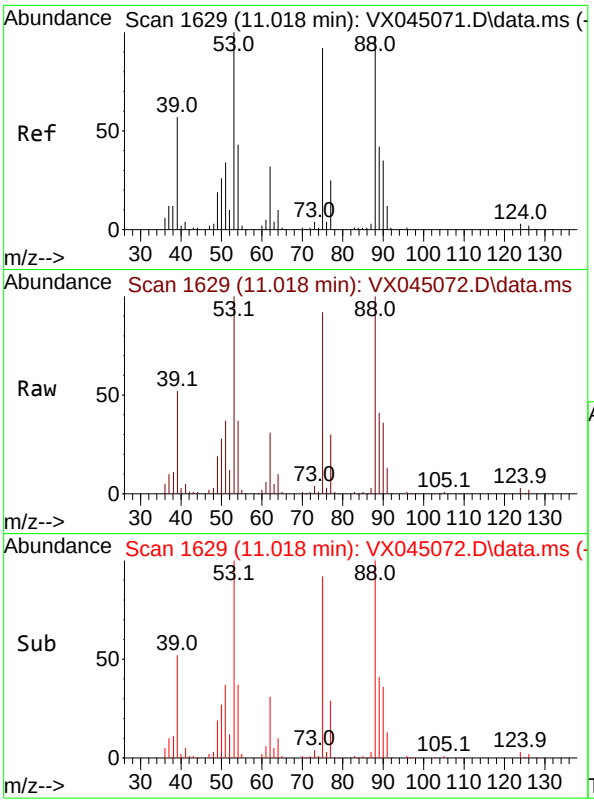


#80
1,3,5-Trimethylbenzene
Concen: 98.356 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:105 Resp: 445466

Ion	Ratio	Lower	Upper
105	100		
120	47.1	24.1	72.2

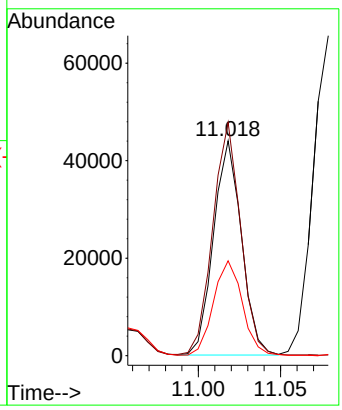




#81
trans-1,4-Dichloro-2-butene
Concen: 91.460 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 75 Resp: 5197

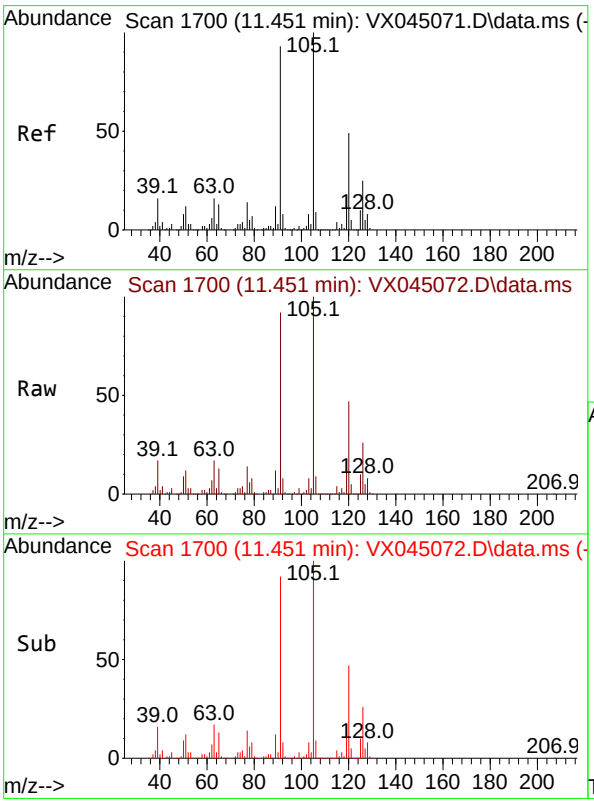
Ion	Ratio	Lower	Upper
75	100		
53	109.9	88.5	132.7
89	45.7	36.2	54.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

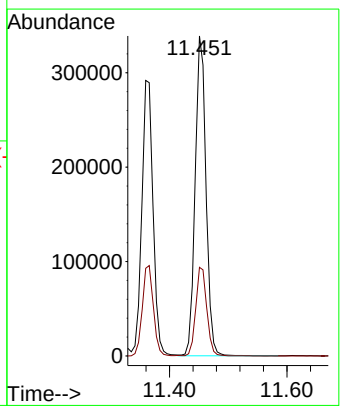
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

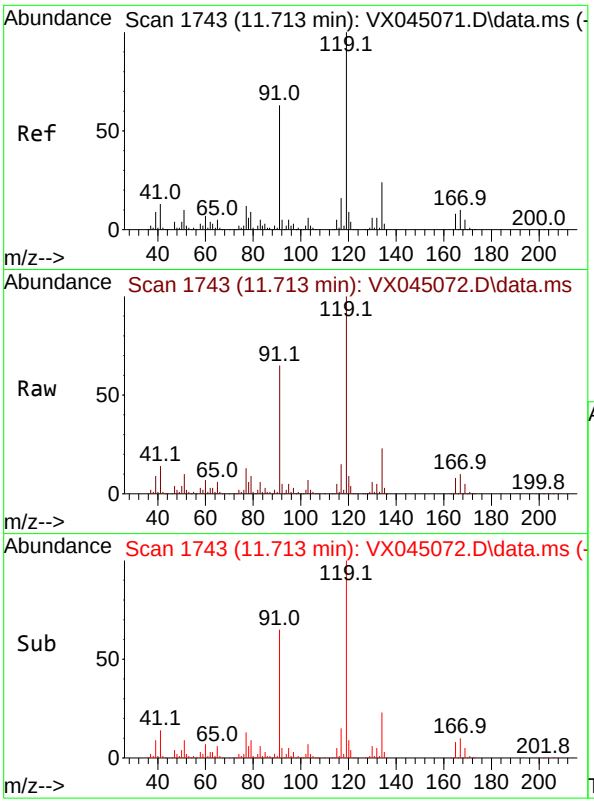


#82
4-Chlorotoluene
Concen: 99.168 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 91 Resp: 433881

Ion	Ratio	Lower	Upper
91	100		
126	28.2	14.1	42.4

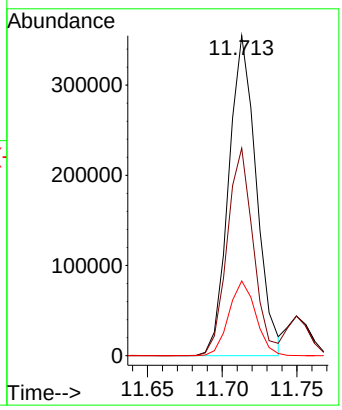




#83
tert-Butylbenzene
Concen: 99.288 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:119 Resp: 45485

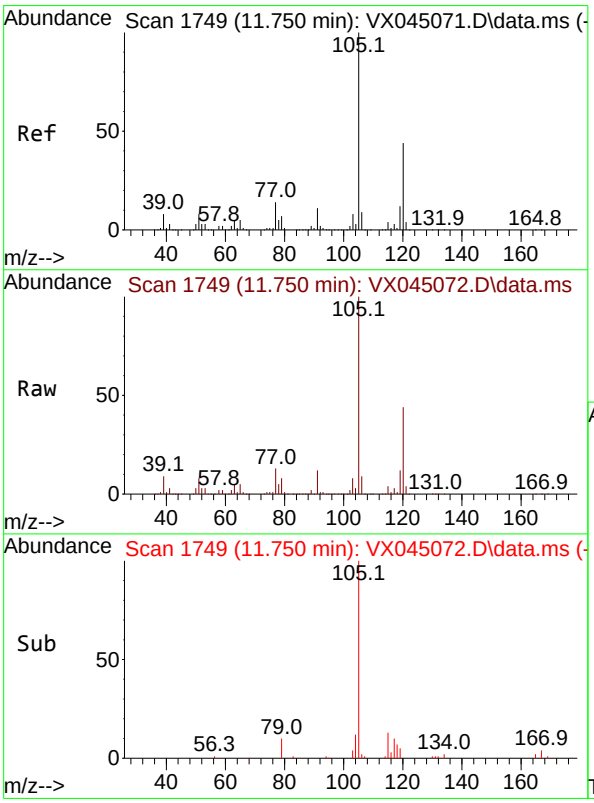
Ion	Ratio	Lower	Upper
119	100		
91	61.7	30.7	92.1
134	22.8	11.7	35.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

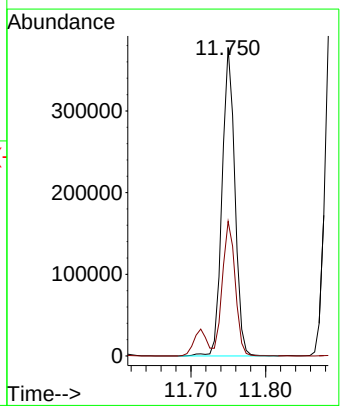
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

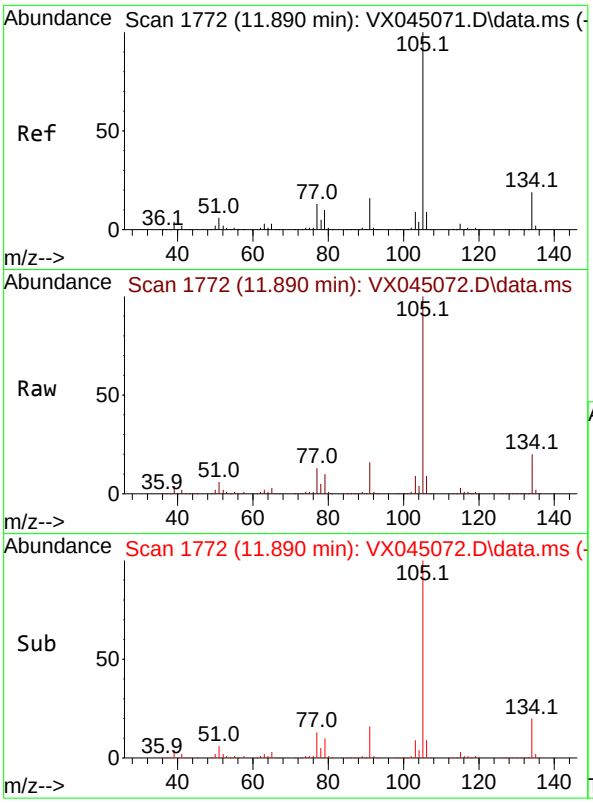


#84
1,2,4-Trimethylbenzene
Concen: 100.926 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

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

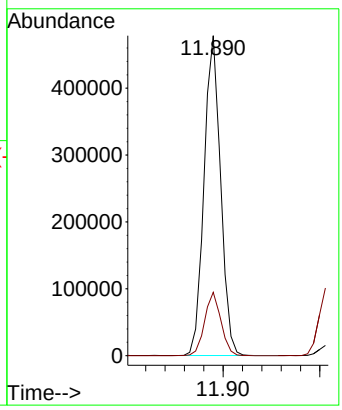
Tgt Ion:105 Resp: 57000

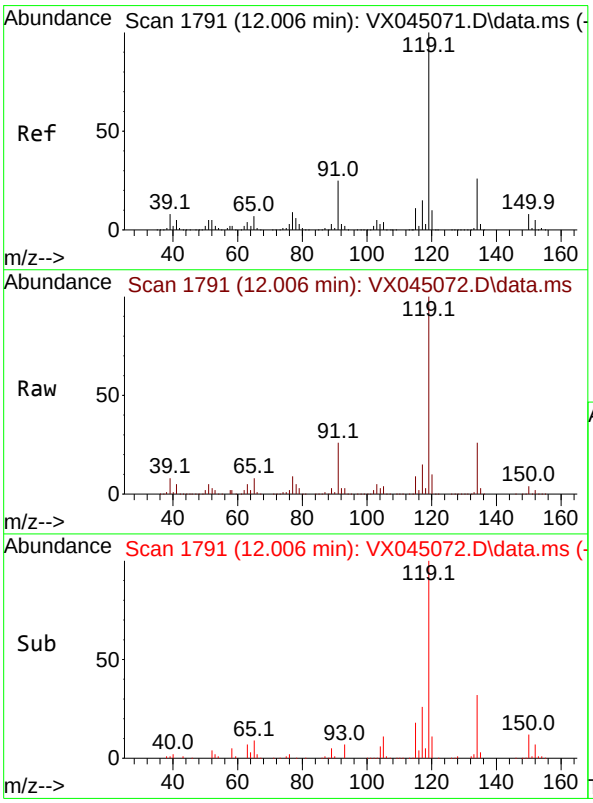
Ion	Ratio	Lower	Upper
105	100		
134	19.6	9.8	29.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

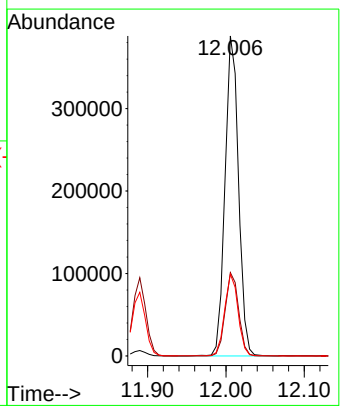


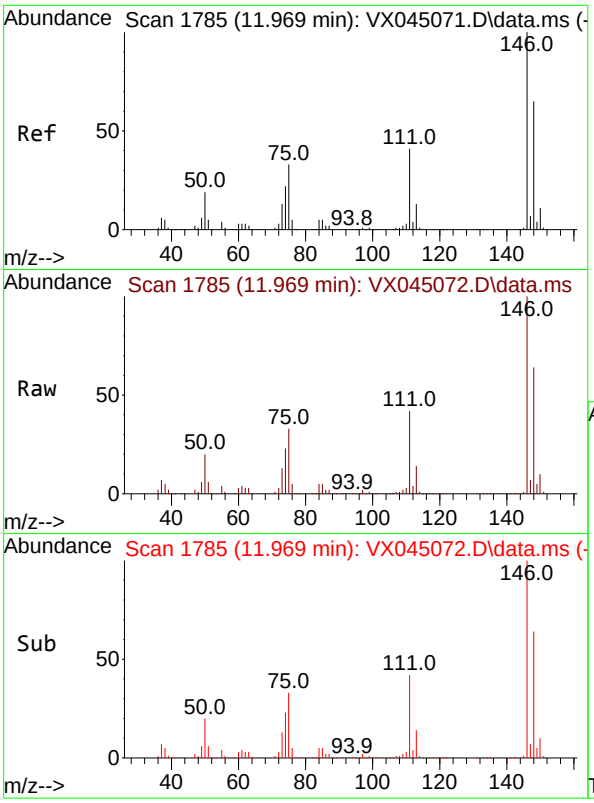


#86
p-Isopropyltoluene
Concen: 102.252 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

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

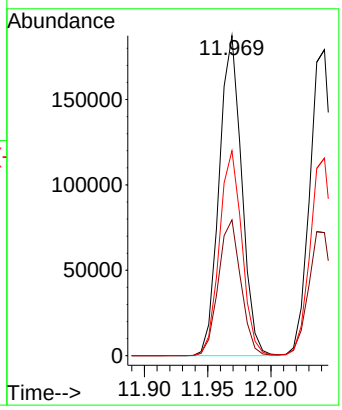




#87
1,3-Dichlorobenzene
Concen: 99.903 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:146 Resp: 23144

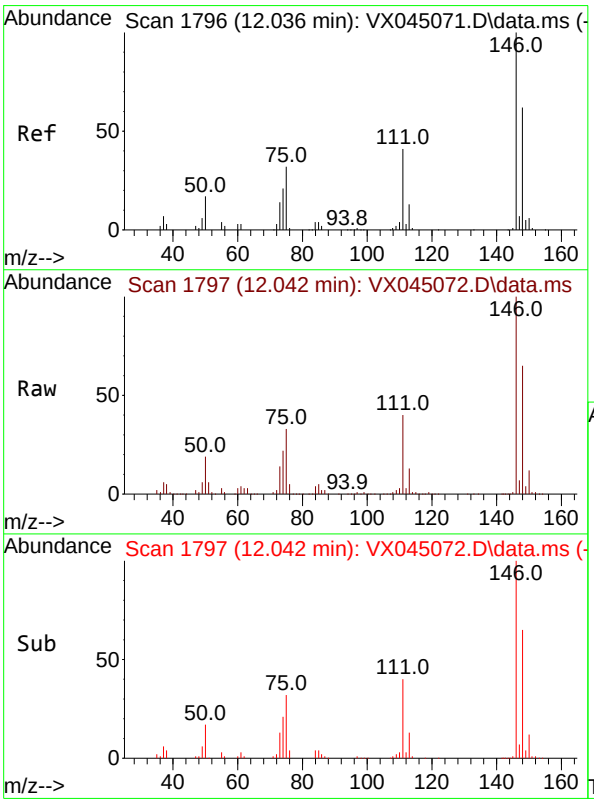
Ion	Ratio	Lower	Upper
146	100		
111	42.6	21.1	63.4
148	64.1	31.9	95.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

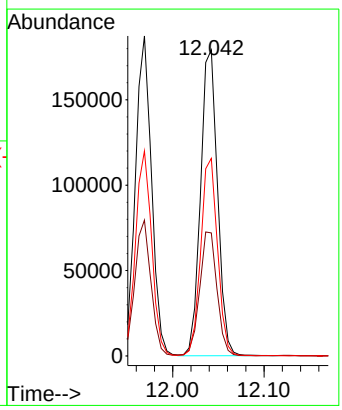
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

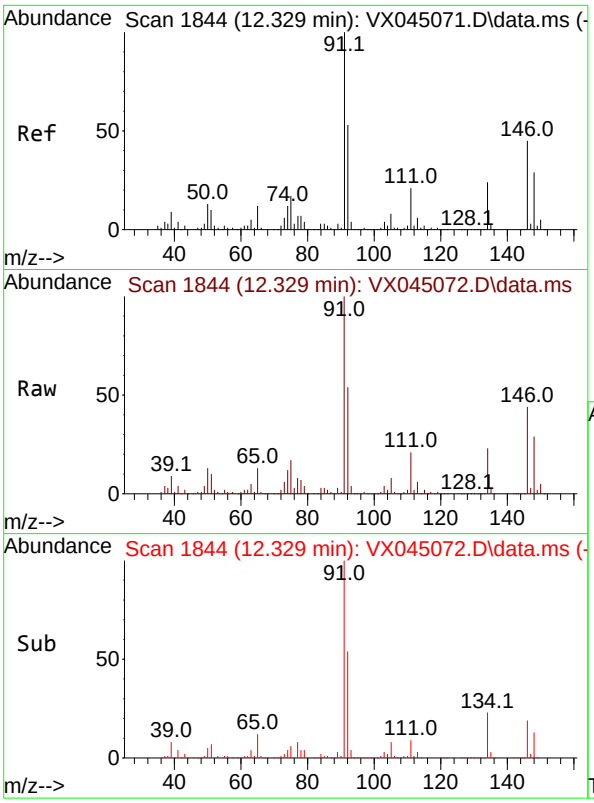


#88
1,4-Dichlorobenzene
Concen: 98.355 ug/l
RT: 12.042 min Scan# 1797
Delta R.T. 0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

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

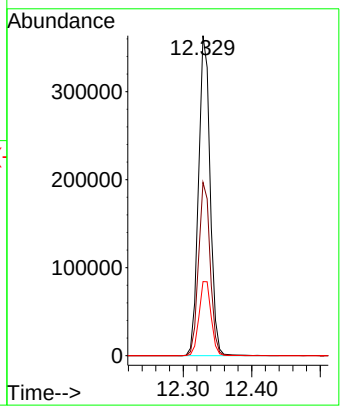




#89
n-Butylbenzene
Concen: 107.000 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 91 Resp: 42820

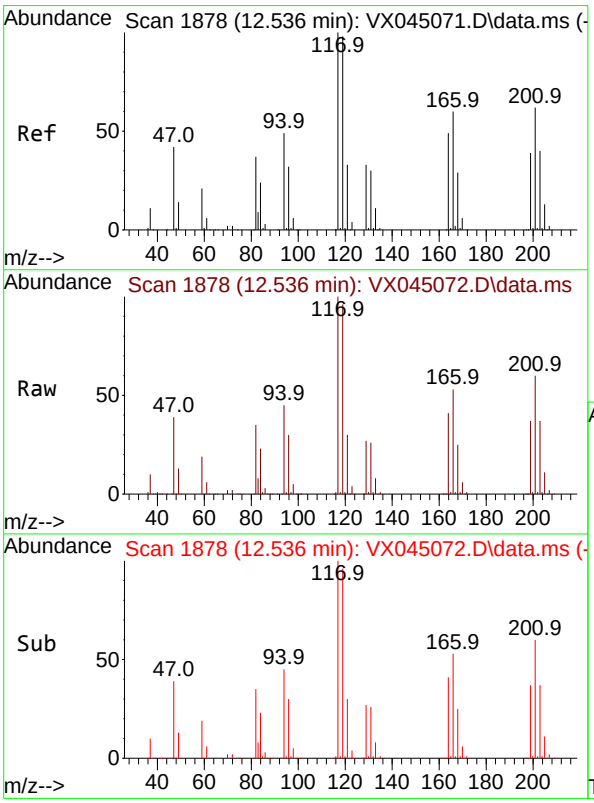
Ion	Ratio	Lower	Upper
91	100		
92	54.4	26.7	80.0
134	24.2	12.2	36.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

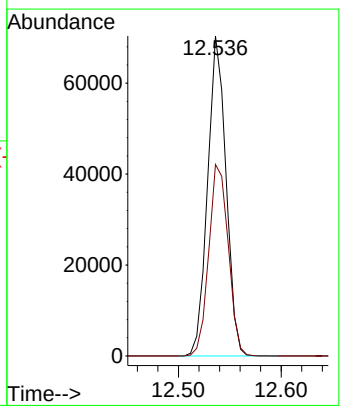
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

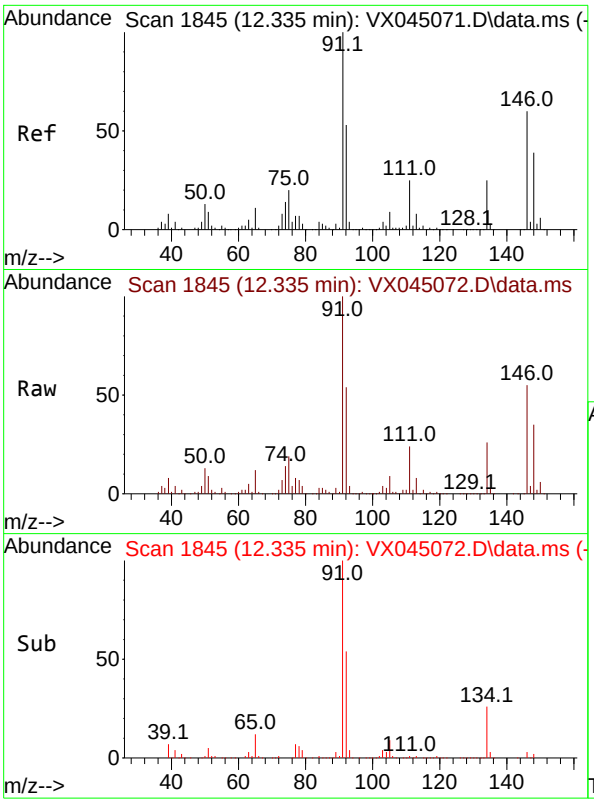


#90
Hexachloroethane
Concen: 102.980 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:117 Resp: 87448

Ion	Ratio	Lower	Upper
117	100		
201	63.4	31.9	95.9

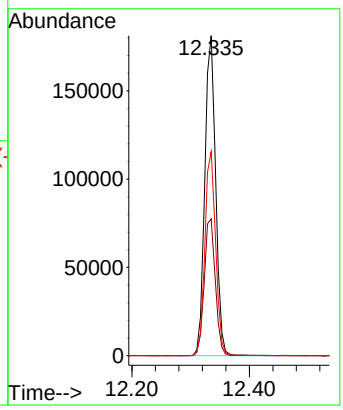




#91
1,2-Dichlorobenzene
Concen: 102.254 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:146 Resp: 23312

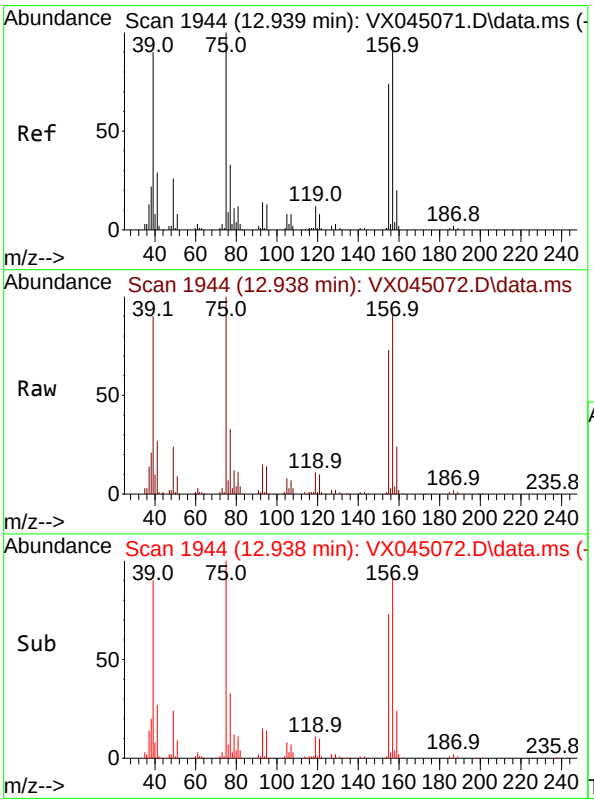
Ion	Ratio	Lower	Upper
146	100		
111	43.7	21.6	65.0
148	63.2	31.9	95.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

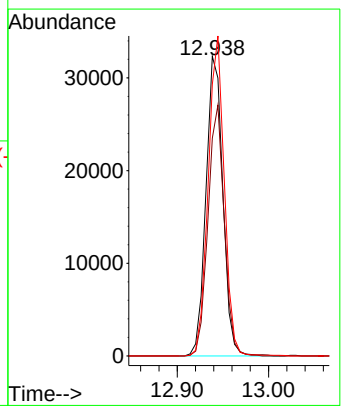
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

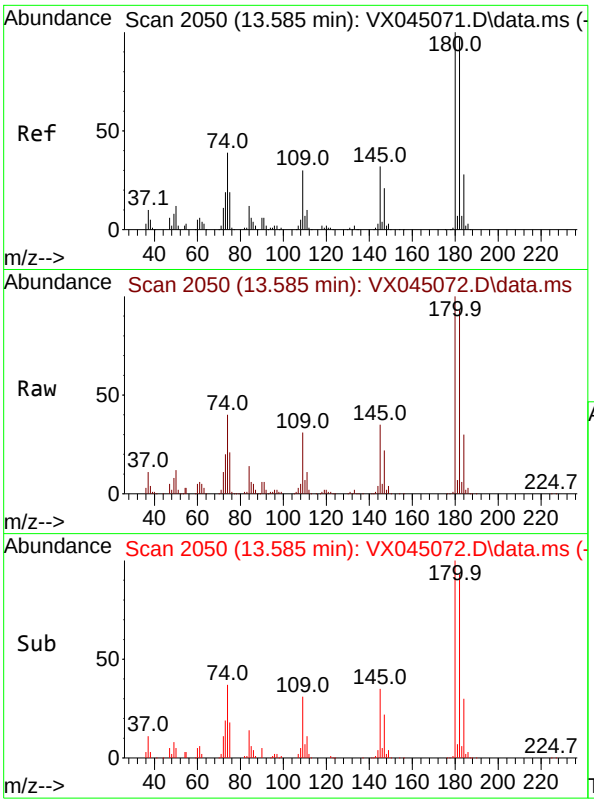


#92
1,2-Dibromo-3-Chloropropane
Concen: 116.296 ug/l
RT: 12.938 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

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

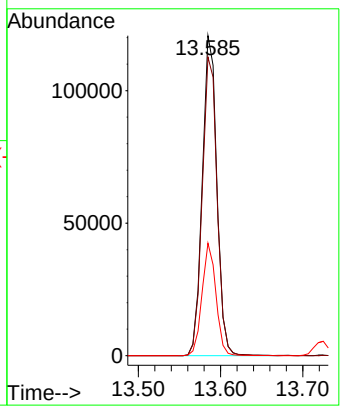




#93
1,2,4-Trichlorobenzene
Concen: 107.648 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:180 Resp: 14836

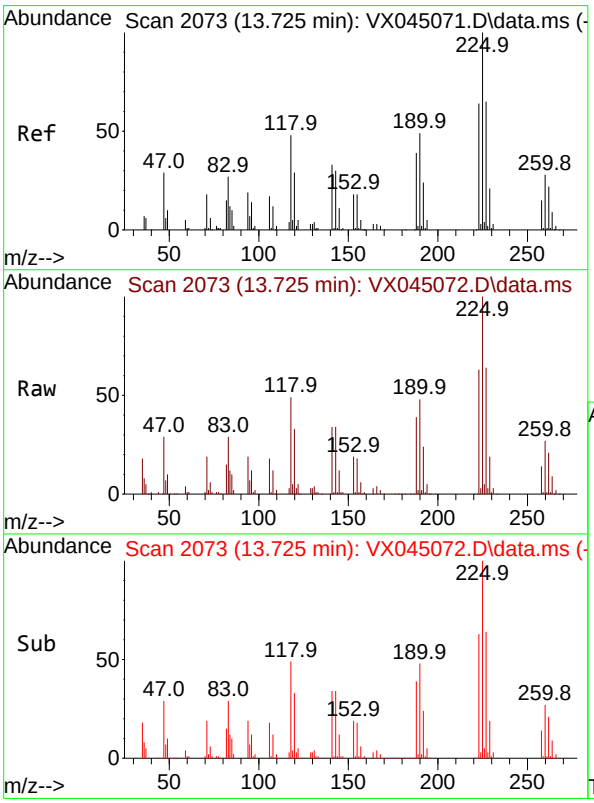
Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.3	141.9
145	33.6	16.3	48.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

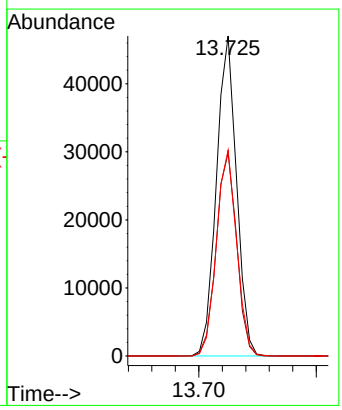
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

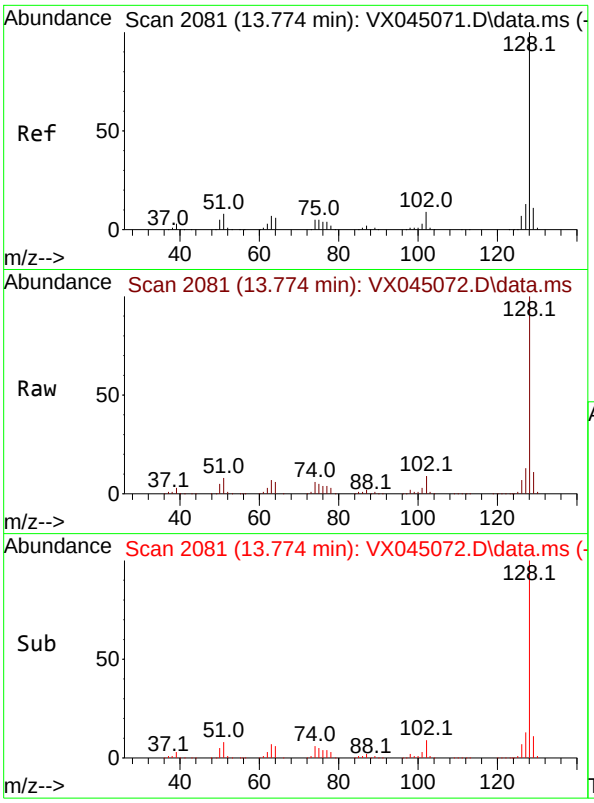


#94
Hexachlorobutadiene
Concen: 102.019 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

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

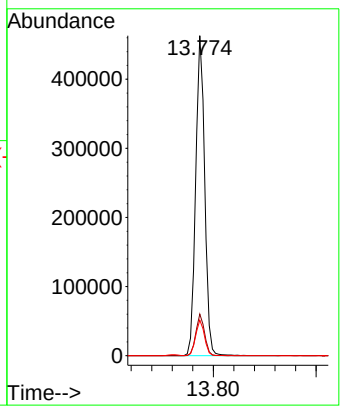




#95
Naphthalene
Concen: 112.593 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:128 Resp: 56525

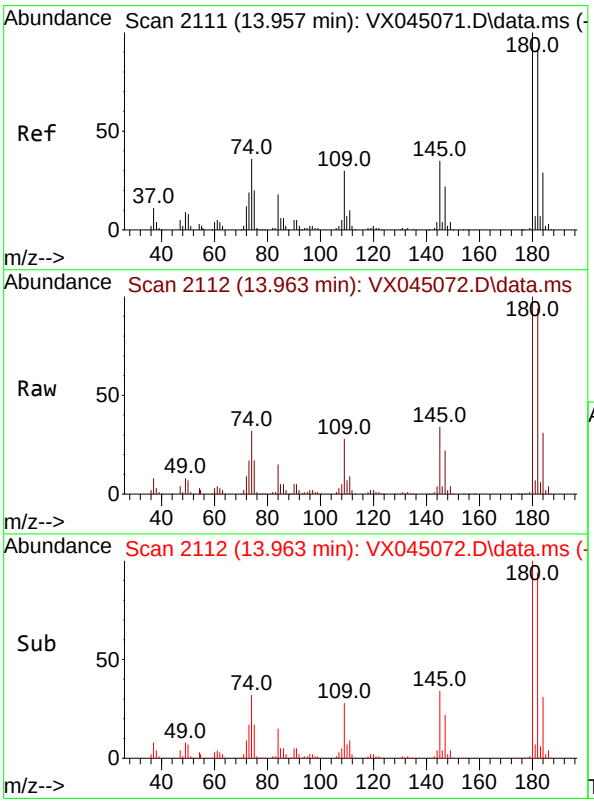
Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.3	15.5
129	10.9	8.7	13.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

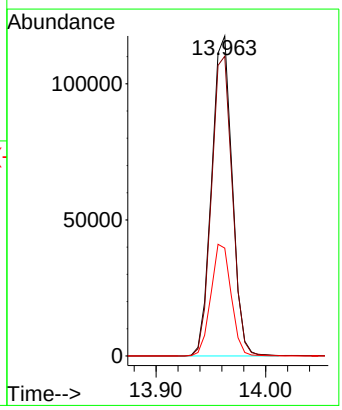
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#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



Quantitation Report (QT 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

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

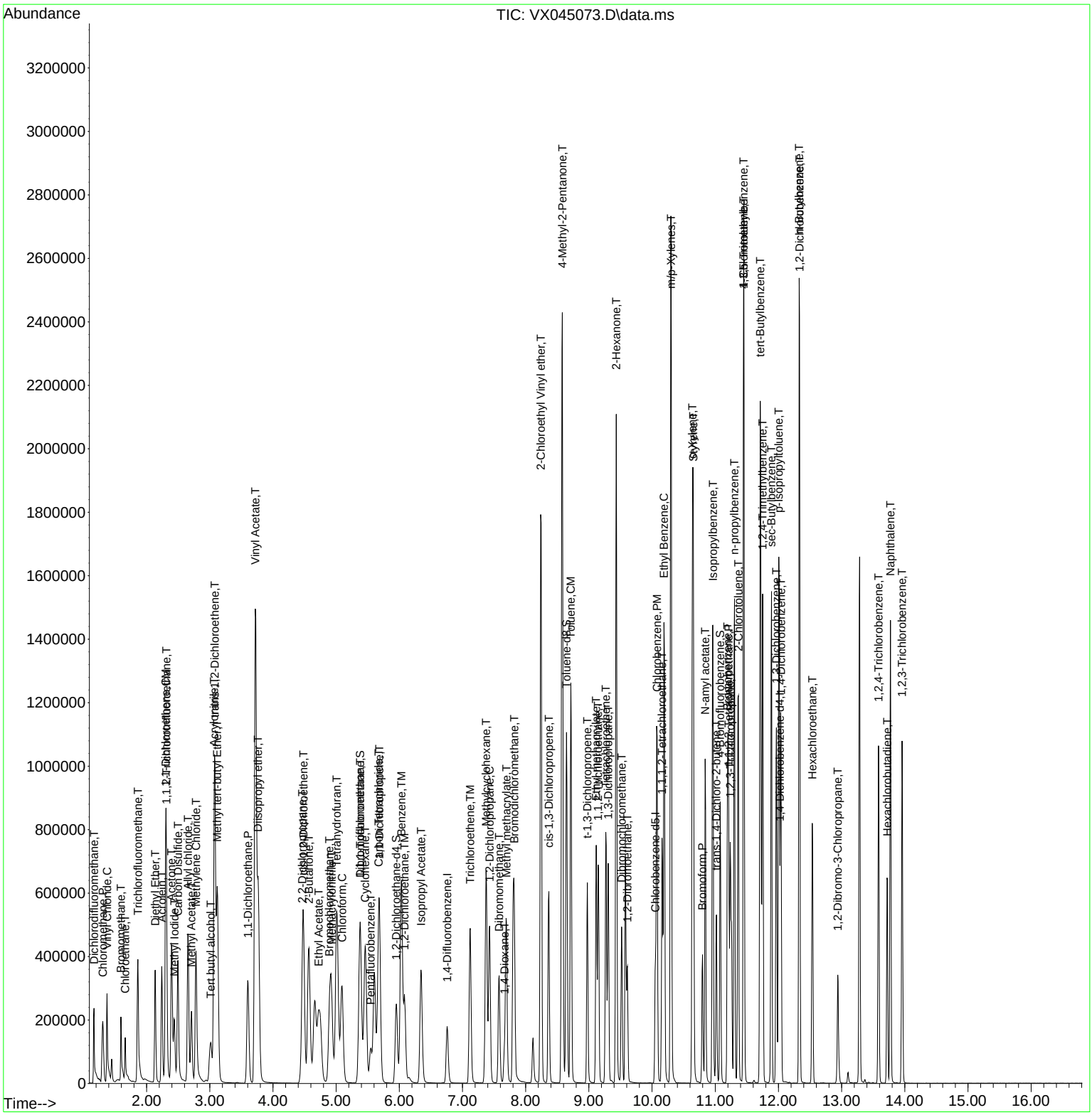
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045073.D
Acq On : 28 Feb 2025 03:47
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

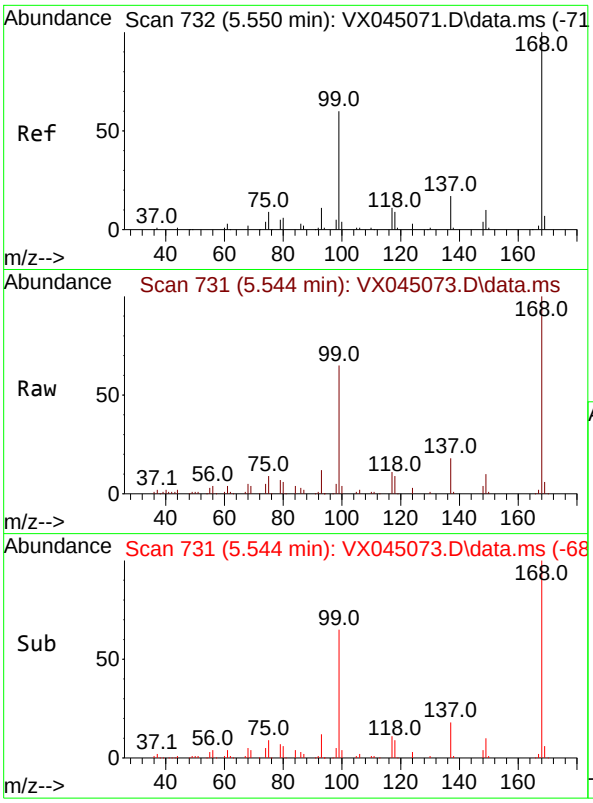
Quant Time: Feb 28 05:36:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

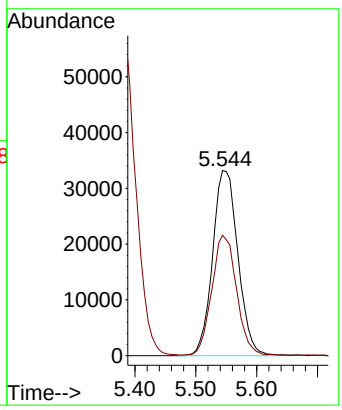




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:168 Resp: 9575

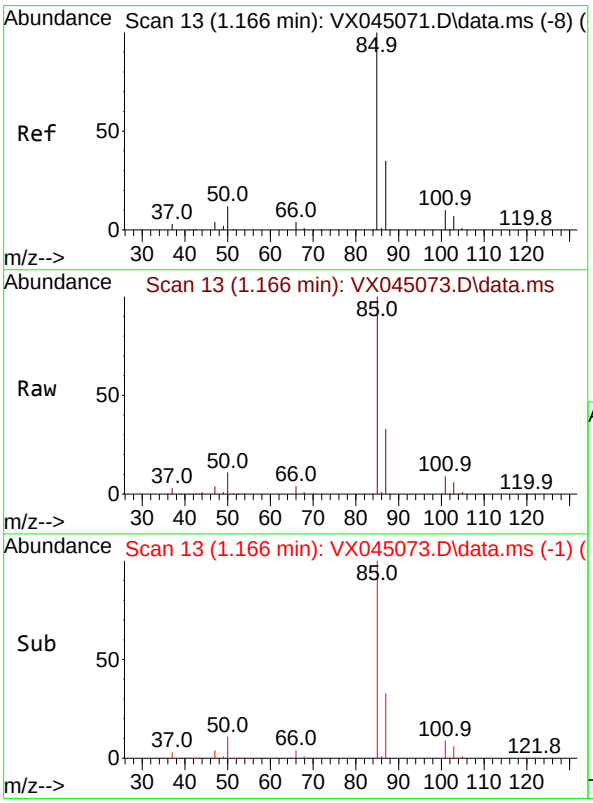
Ion	Ratio	Lower	Upper
168	100		
99	64.8	48.2	72.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

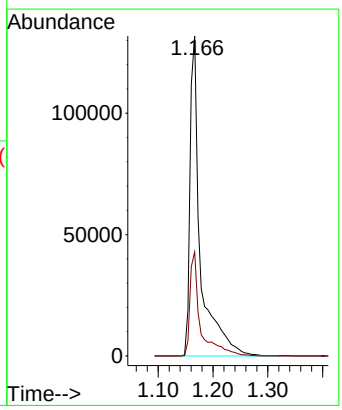
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

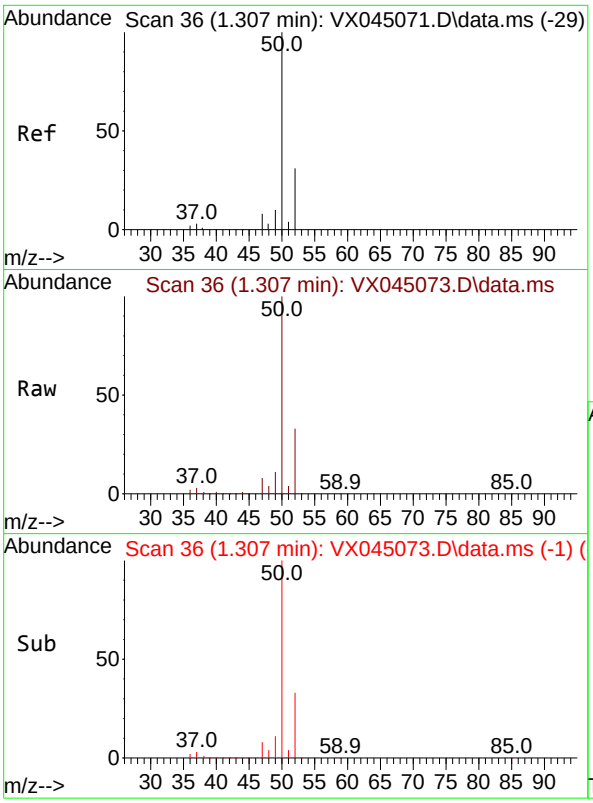


#2
Dichlorodifluoromethane
Concen: 132.067 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

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

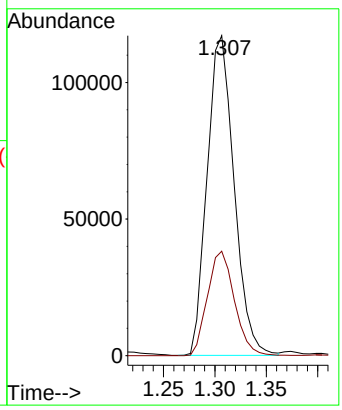
Tgt Ion: 50 Resp: 21370

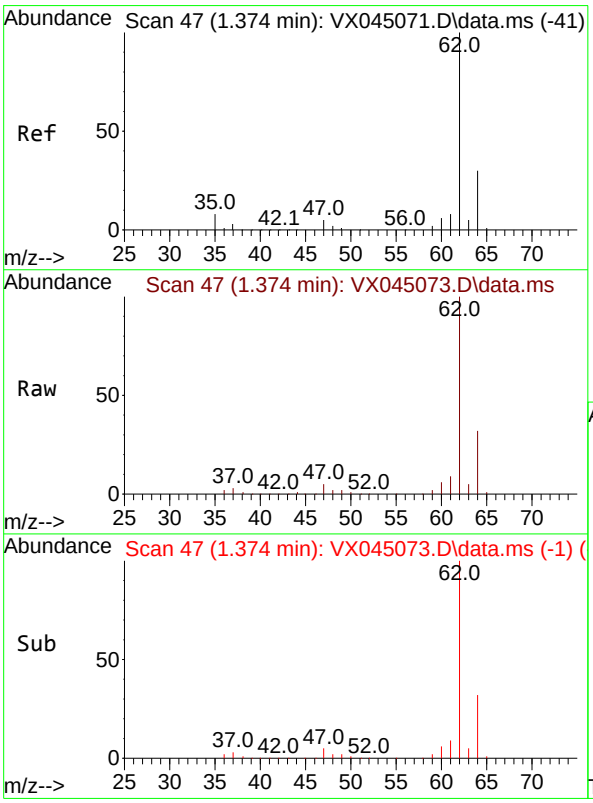
Ion	Ratio	Lower	Upper
50	100		
52	32.7	25.0	37.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

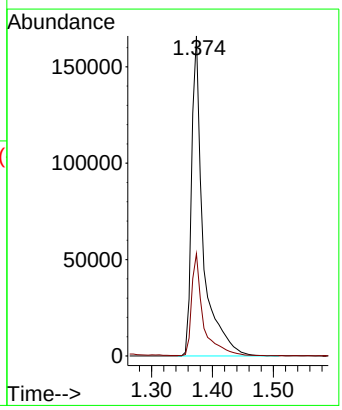


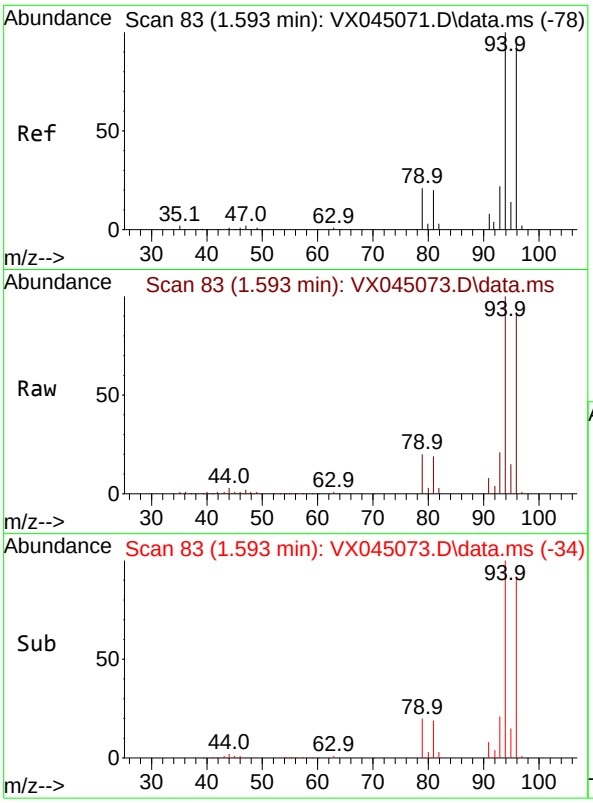


#4
Vinyl Chloride
Concen: 138.774 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 62 Resp: 217672

Ion	Ratio	Lower	Upper
62	100		
64	31.8	24.3	36.5

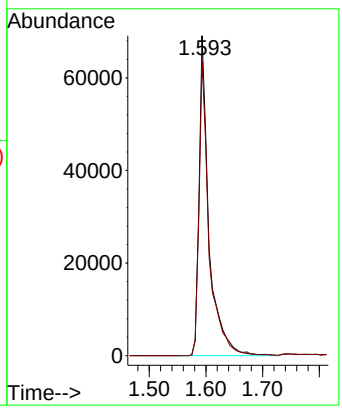




#5
Bromomethane
Concen: 170.379 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 94 Resp: 8354

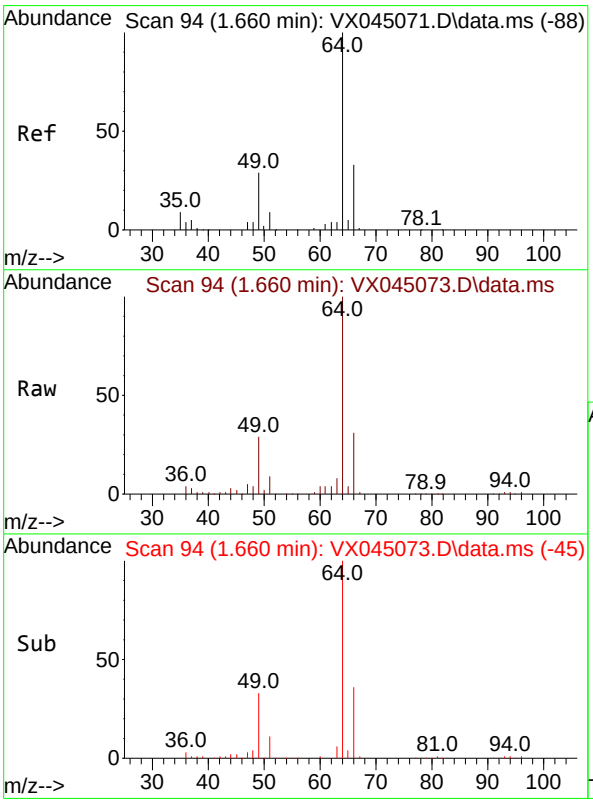
Ion	Ratio	Lower	Upper
94	100		
96	92.2	75.0	112.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

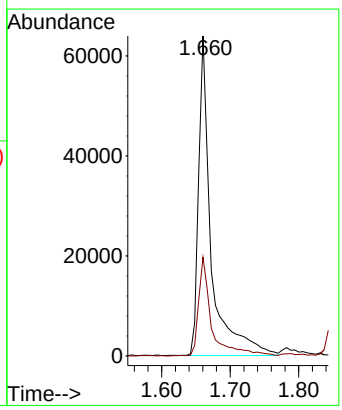
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

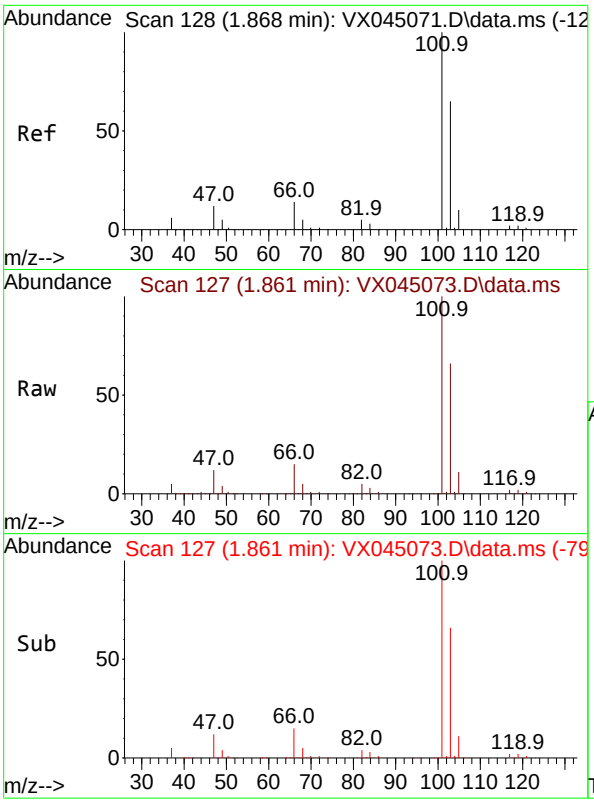


#6
Chloroethane
Concen: 137.509 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 64 Resp: 82101

Ion	Ratio	Lower	Upper
64	100		
66	30.8	26.7	40.1

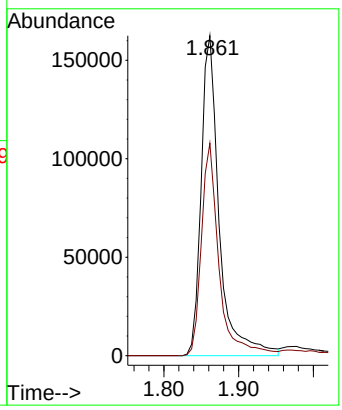




#7
Trichlorofluoromethane
Concen: 135.494 ug/l
RT: 1.861 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:101 Resp: 27223

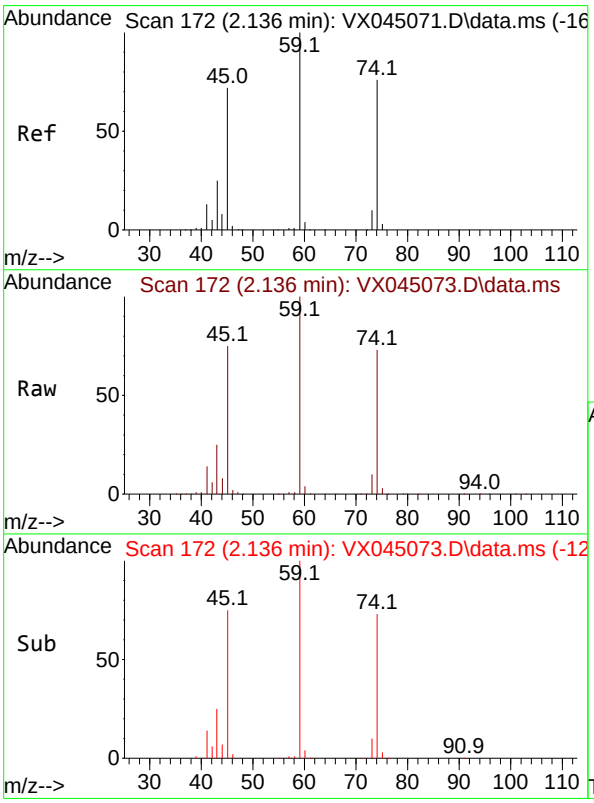
Ion	Ratio	Lower	Upper
101	100		
103	66.4	52.1	78.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

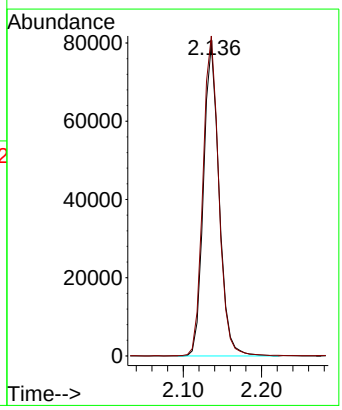
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

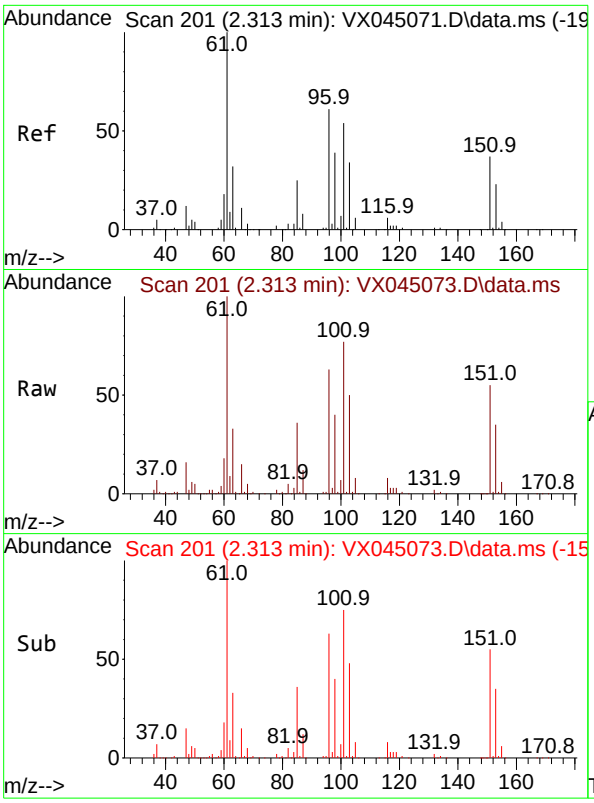


#8
Diethyl Ether
Concen: 150.660 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 74 Resp: 110005

Ion	Ratio	Lower	Upper
74	100		
45	104.9	51.5	154.5

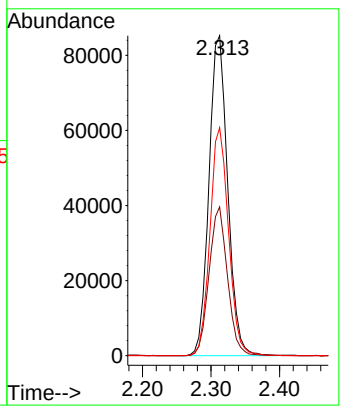




#9
1,1,2-Trichlorotrifluoroethane
Concen: 134.877 ug/l
RT: 2.313 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:101 Resp: 16182

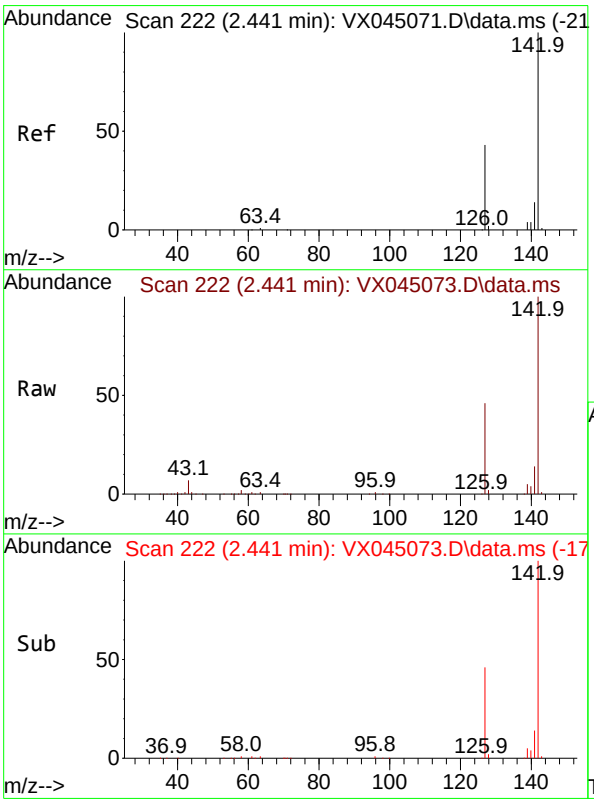
Ion	Ratio	Lower	Upper
101	100		
85	45.8	36.2	54.4
151	70.8	56.4	84.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

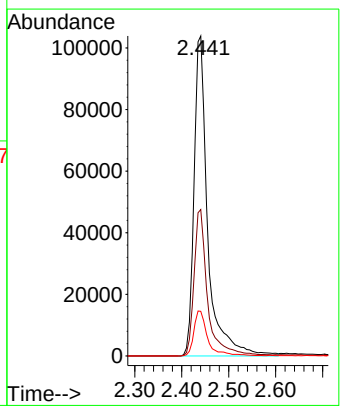
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

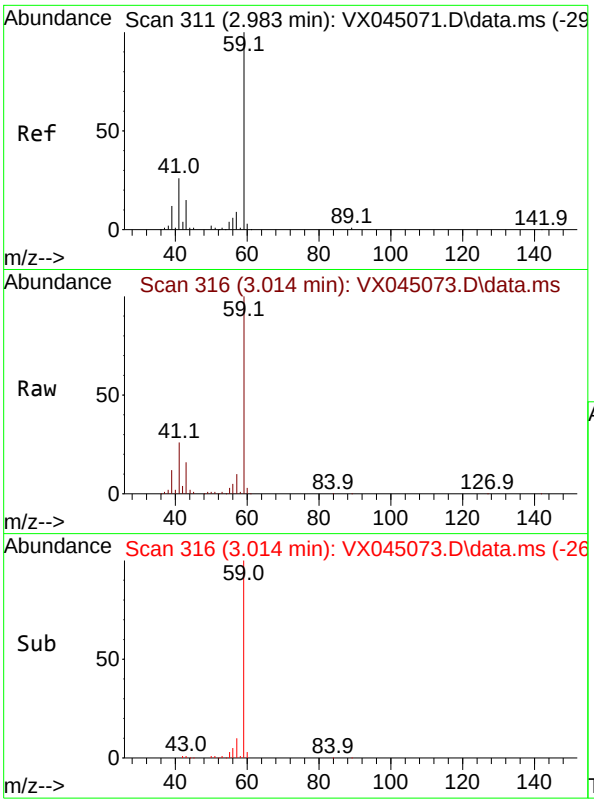


#10
Methyl Iodide
Concen: 138.059 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

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

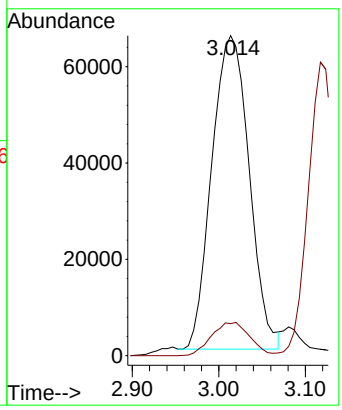
Tgt Ion: 59 Resp: 19541

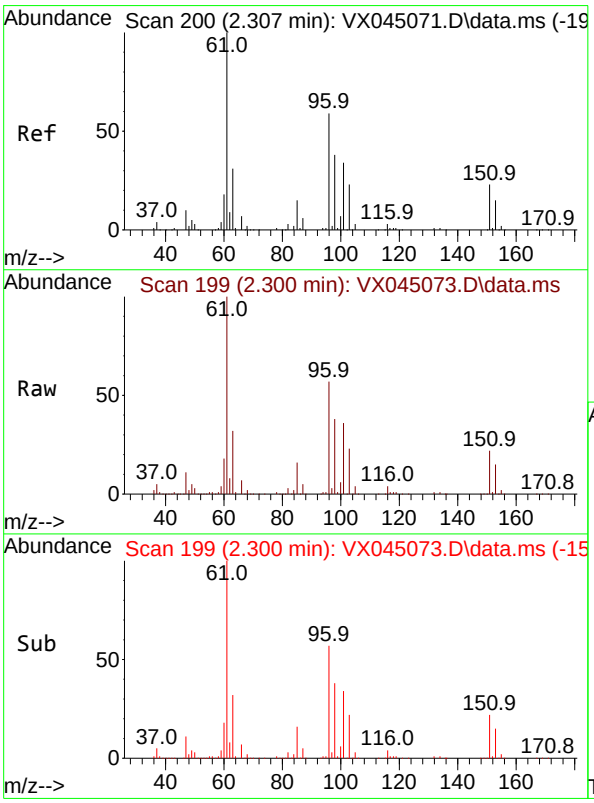
Ion	Ratio	Lower	Upper
59	100		
57	10.9	7.8	11.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

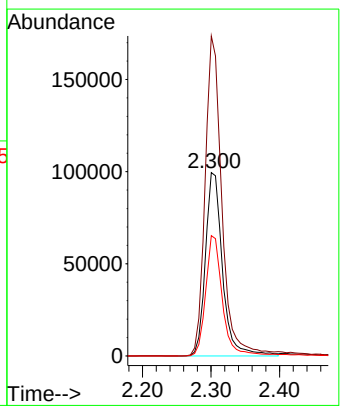


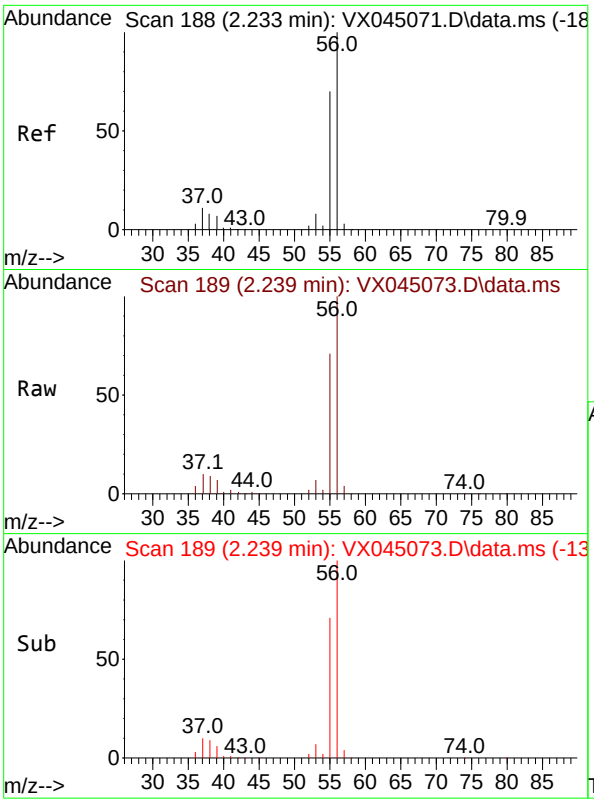


#12
1,1-Dichloroethene
Concen: 140.655 ug/l
RT: 2.300 min Scan# 199
Delta R.T. -0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

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

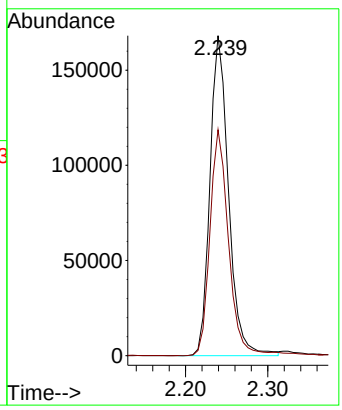




#13
Acrolein
Concen: 940.846 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 56 Resp: 26399

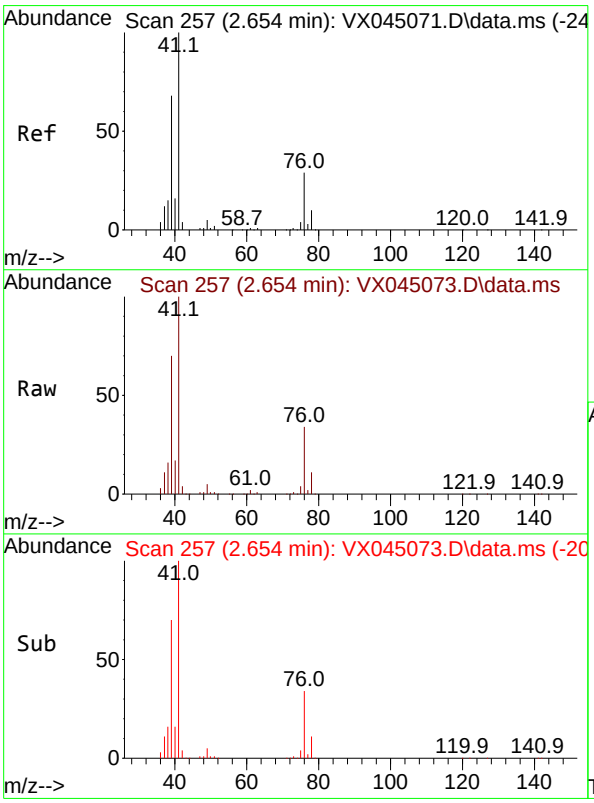
Ion	Ratio	Lower	Upper
56	100		
55	71.6	56.2	84.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

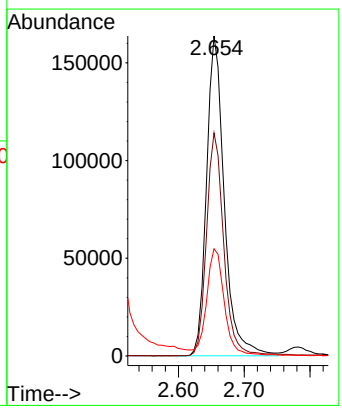
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

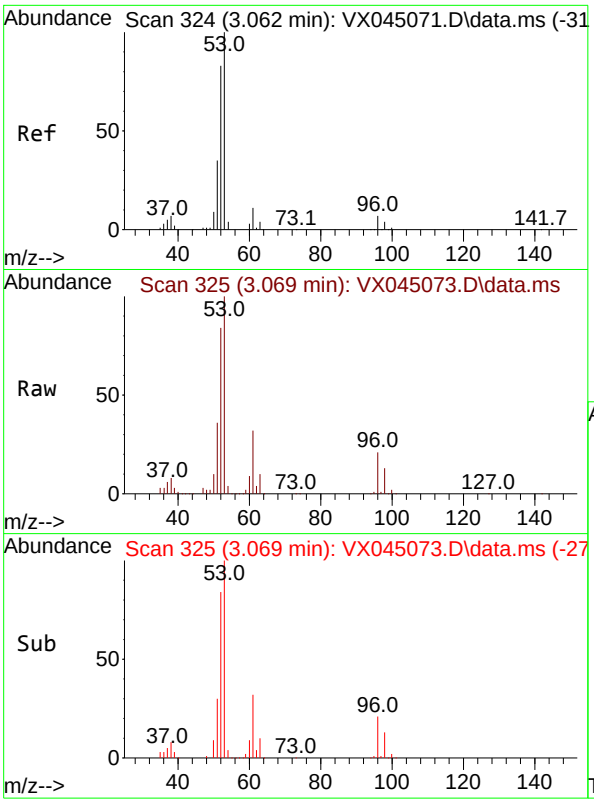


#14
Allyl chloride
Concen: 139.077 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

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

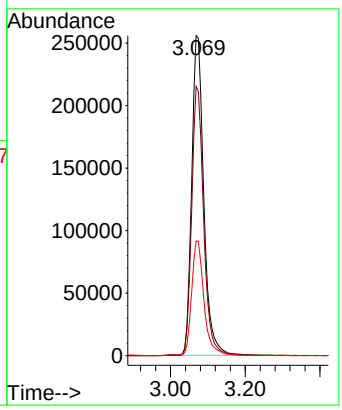




#15
Acrylonitrile
Concen: 813.990 ug/l
RT: 3.069 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 53 Resp: 57320

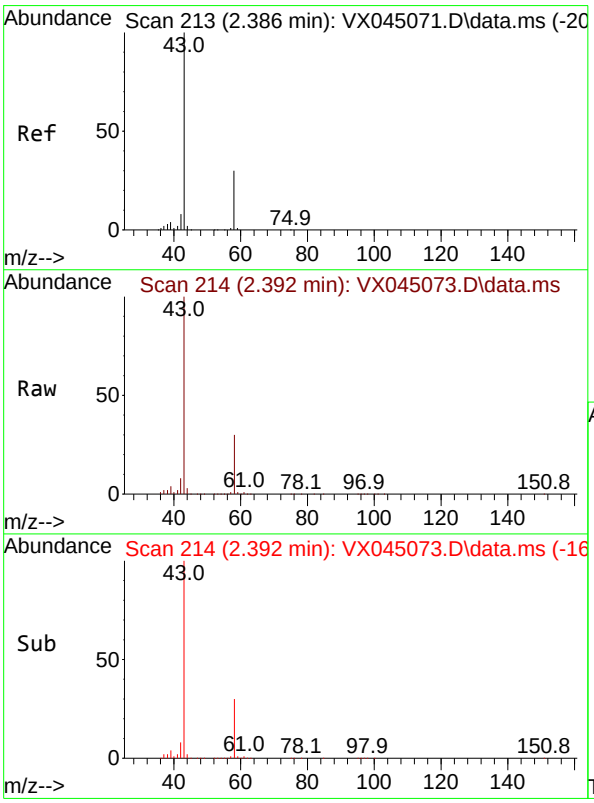
Ion	Ratio	Lower	Upper
53	100		
52	83.3	66.2	99.2
51	37.0	29.0	43.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

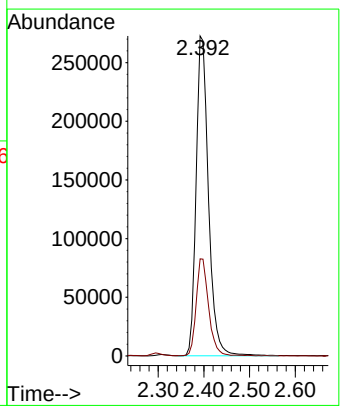
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

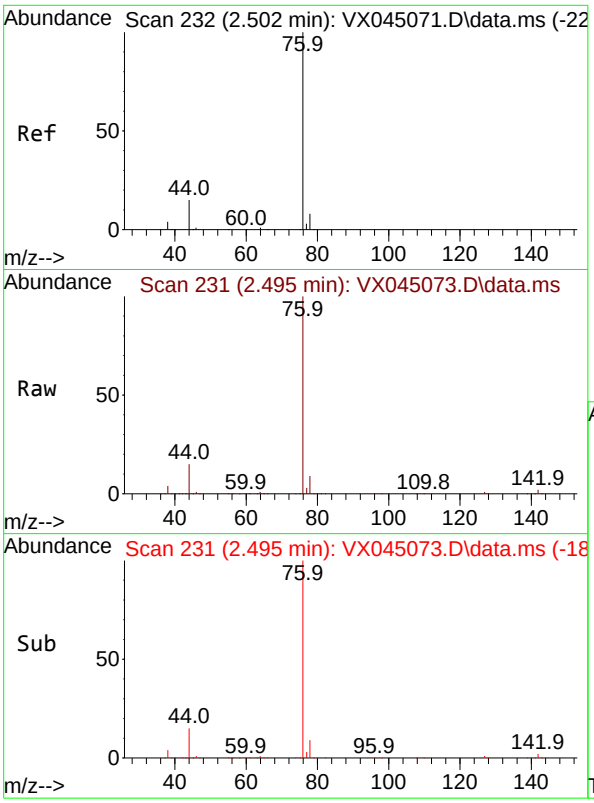


#16
Acetone
Concen: 879.387 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 43 Resp: 511828

Ion	Ratio	Lower	Upper
43	100		
58	30.3	24.2	36.4

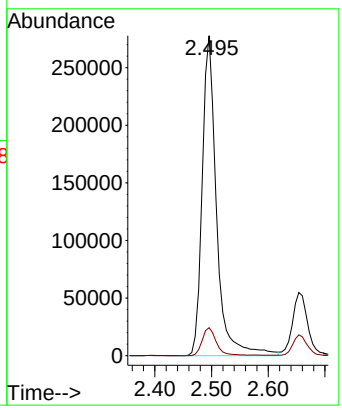




#17
Carbon Disulfide
Concen: 145.511 ug/l
RT: 2.495 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 76 Resp: 48772

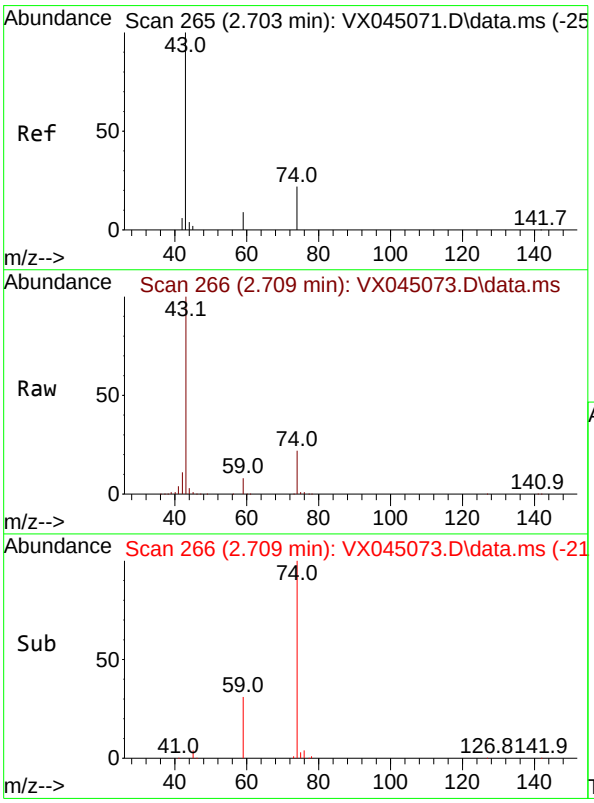
Ion	Ratio	Lower	Upper
76	100		
78	8.8	6.6	9.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

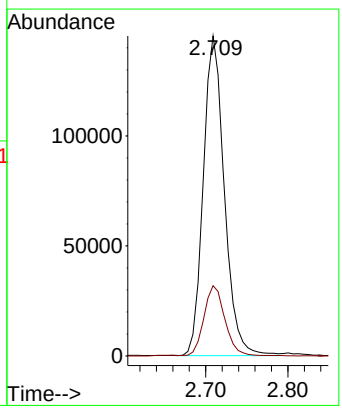
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

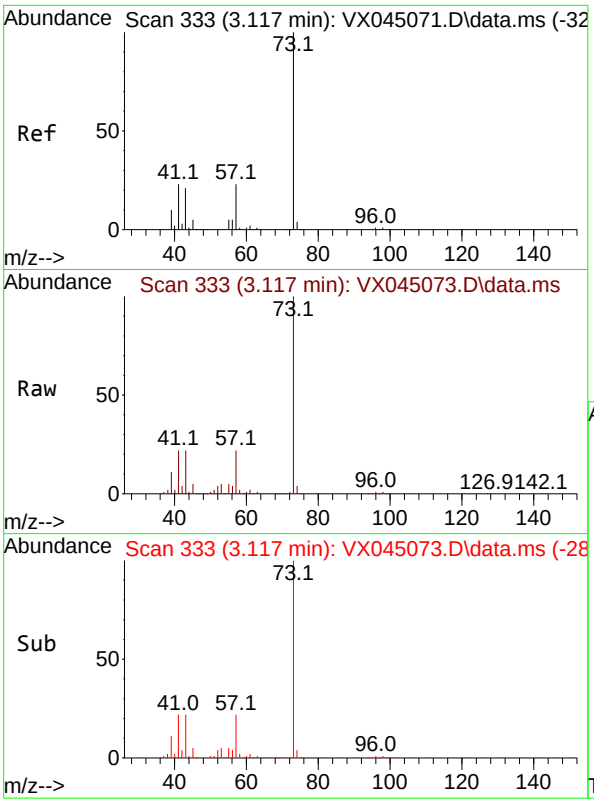


#18
Methyl Acetate
Concen: 147.347 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 43 Resp: 258303

Ion	Ratio	Lower	Upper
43	100		
74	22.0	17.4	26.2

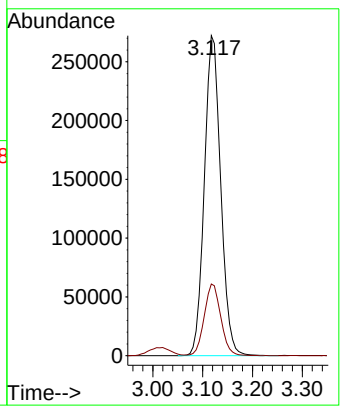




#19
Methyl tert-butyl Ether
Concen: 157.358 ug/l
RT: 3.117 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 73 Resp: 61977

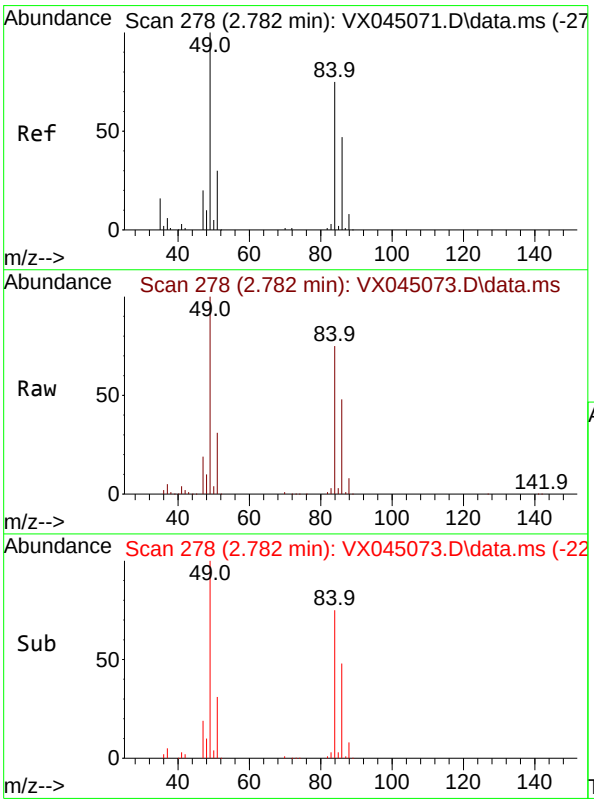
Ion	Ratio	Lower	Upper
73	100		
57	22.4	18.5	27.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

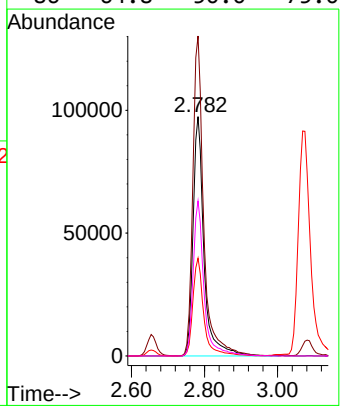
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

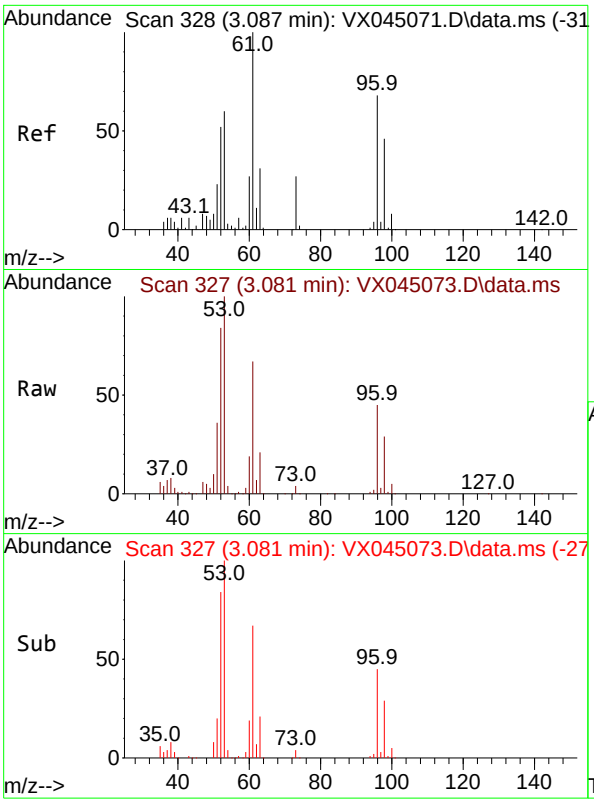


#20
Methylene Chloride
Concen: 147.198 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

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

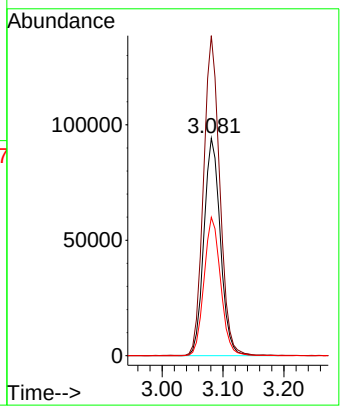




#21
trans-1,2-Dichloroethene
Concen: 146.027 ug/l
RT: 3.081 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 96 Resp: 17692

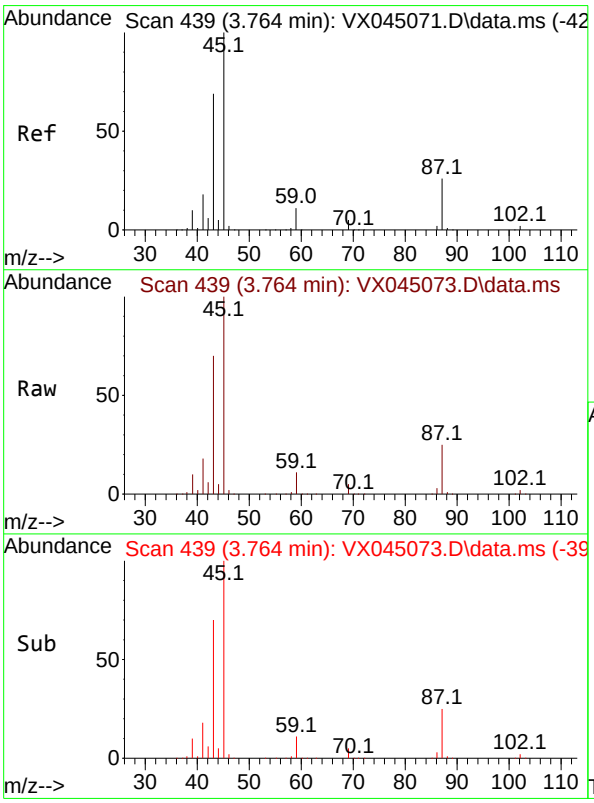
Ion	Ratio	Lower	Upper
96	100		
61	147.0	117.0	175.4
98	63.6	53.4	80.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

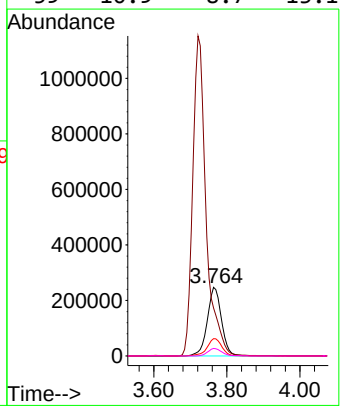
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

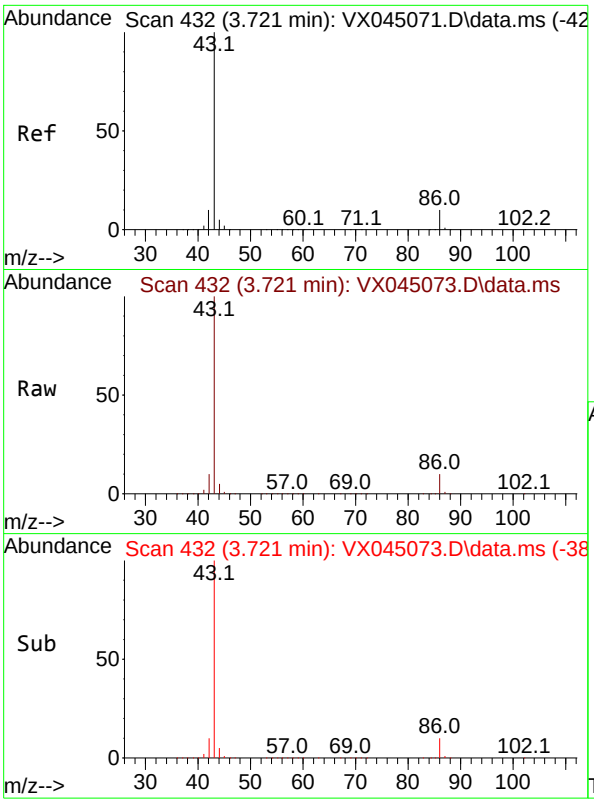


#22
Diisopropyl ether
Concen: 156.526 ug/l
RT: 3.764 min Scan# 439
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

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

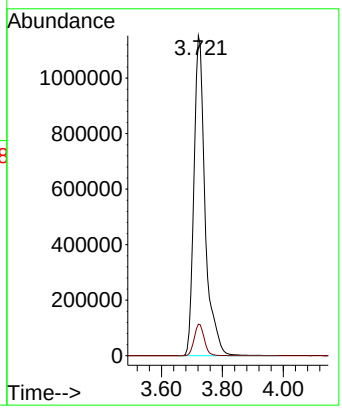
Tgt Ion: 43 Resp: 294315

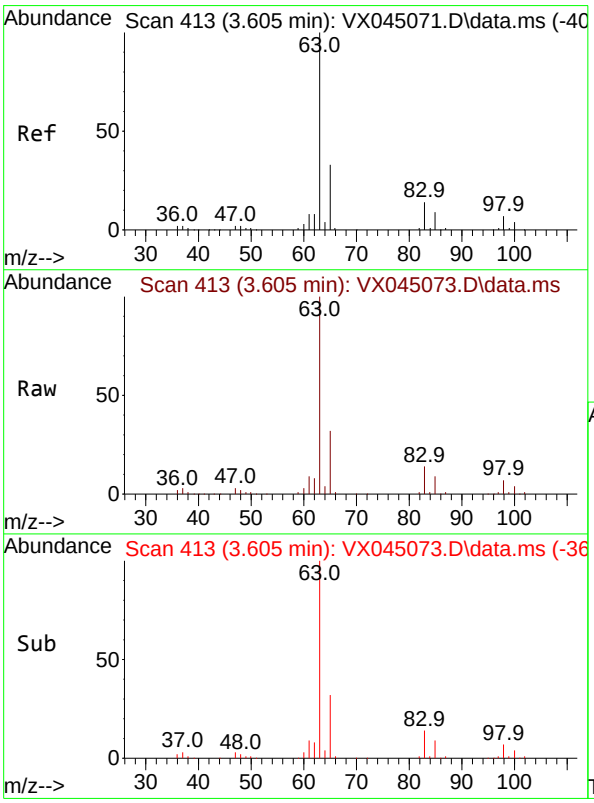
Ion	Ratio	Lower	Upper
43	100		
86	9.8	8.1	12.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

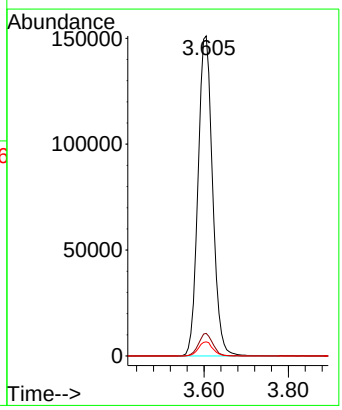


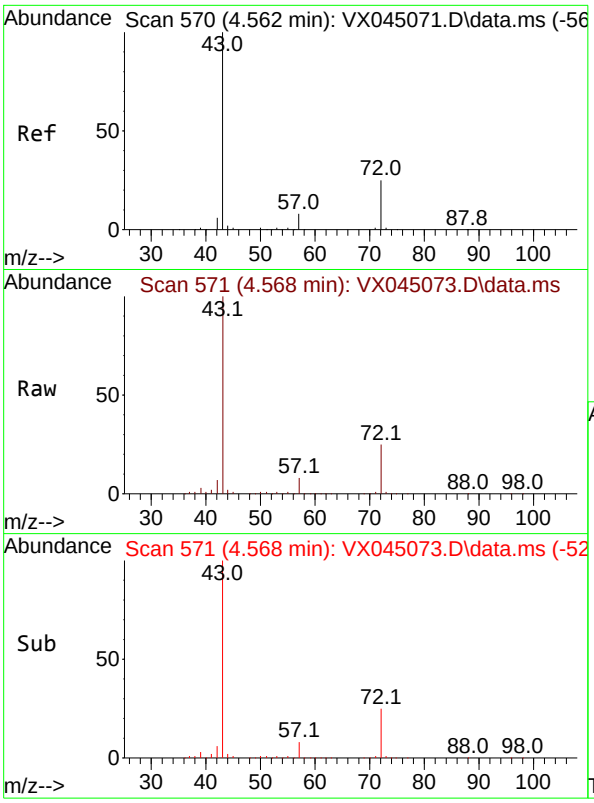


#24
1,1-Dichloroethane
Concen: 153.453 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

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

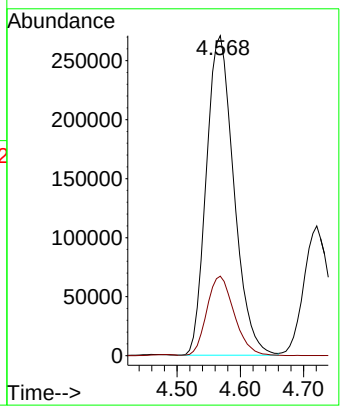




#25
2-Butanone
Concen: 872.239 ug/l
RT: 4.568 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 43 Resp: 81849

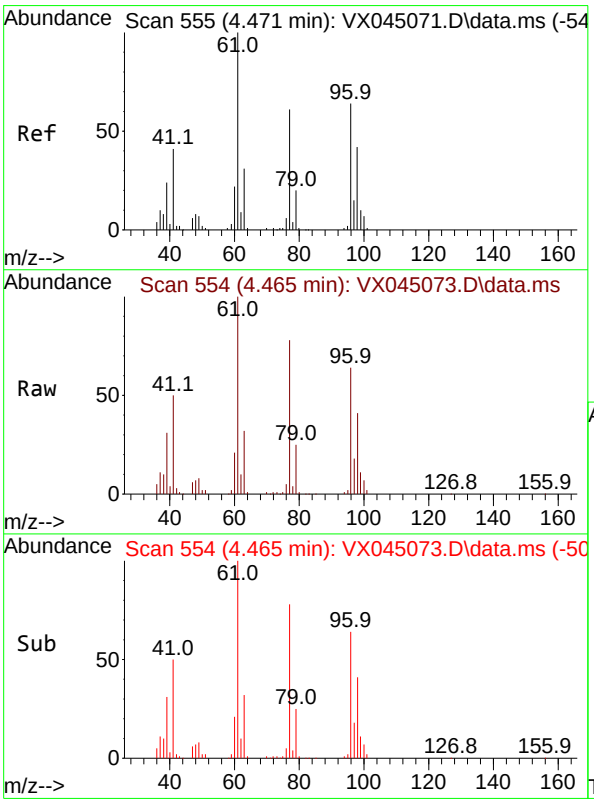
Ion	Ratio	Lower	Upper
43	100		
72	24.7	20.0	30.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
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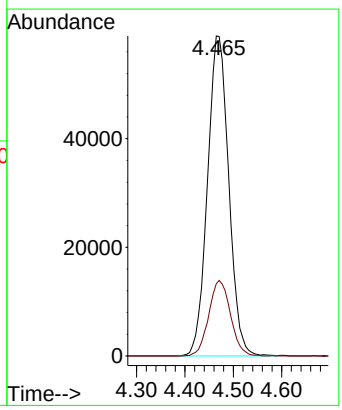
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

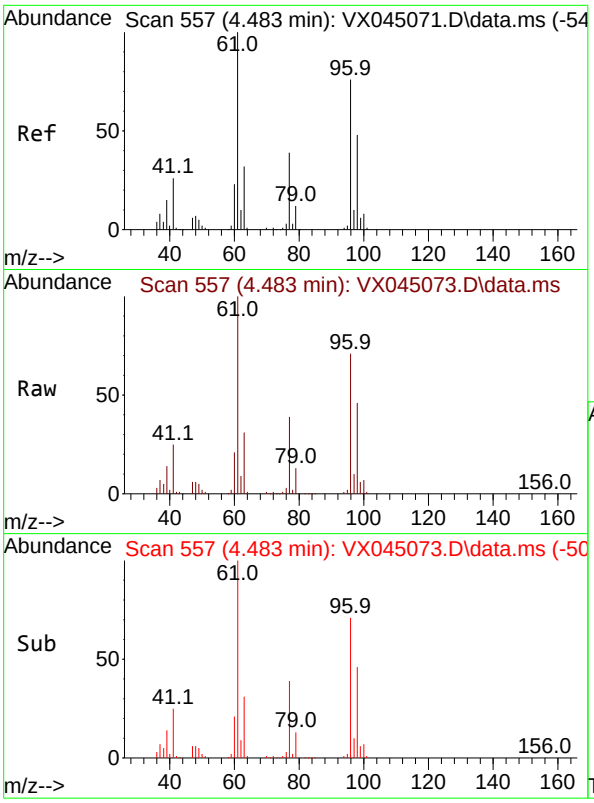


#26
2,2-Dichloropropane
Concen: 102.231 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 77 Resp: 179826

Ion	Ratio	Lower	Upper
77	100		
97	24.1	12.4	37.0

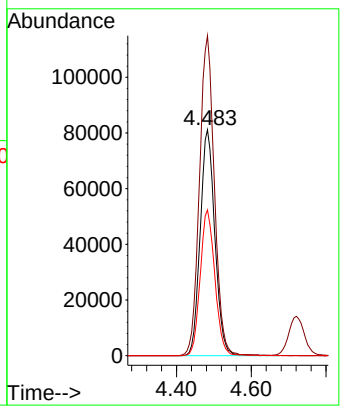




#27
cis-1,2-Dichloroethene
Concen: 151.205 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 96 Resp: 22082

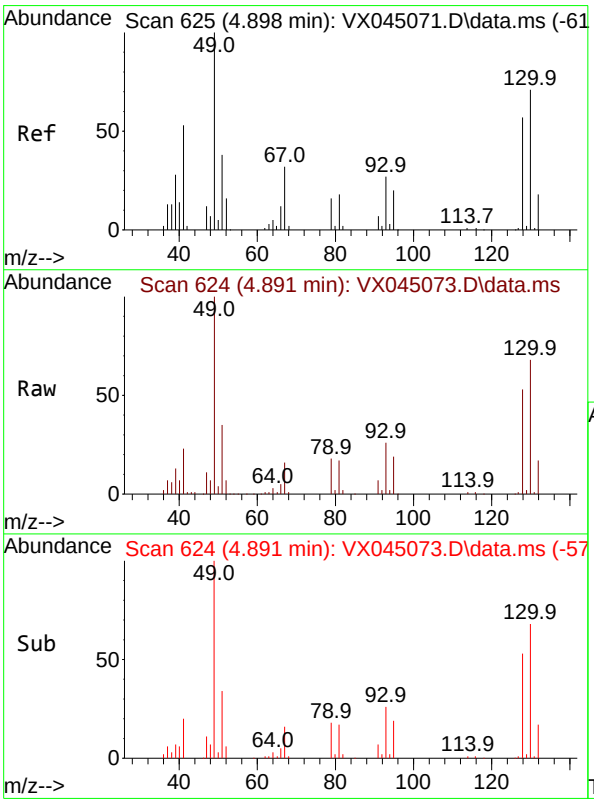
Ion	Ratio	Lower	Upper
96	100		
61	144.2	0.0	283.2
98	64.3	0.0	128.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

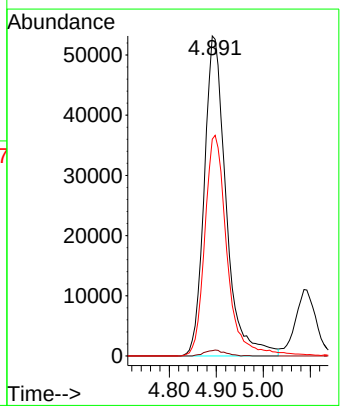
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

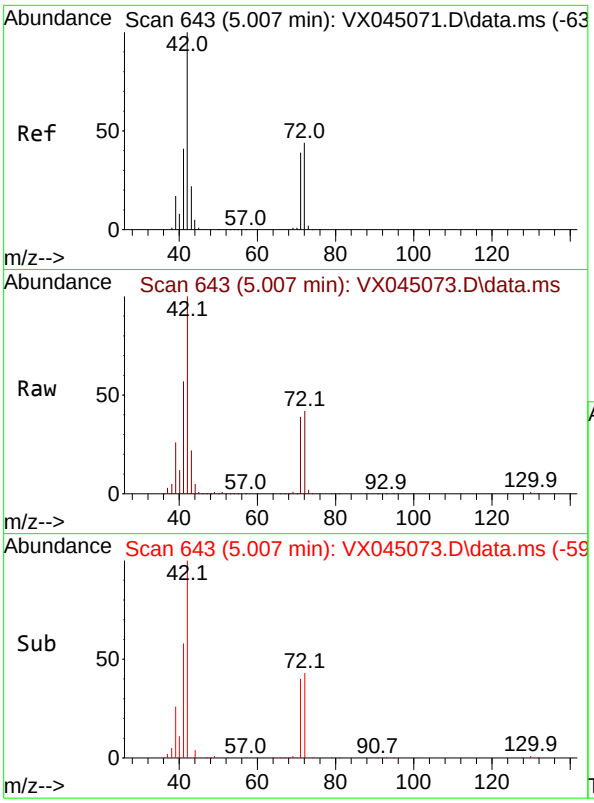


#28
Bromochloromethane
Concen: 150.105 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

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

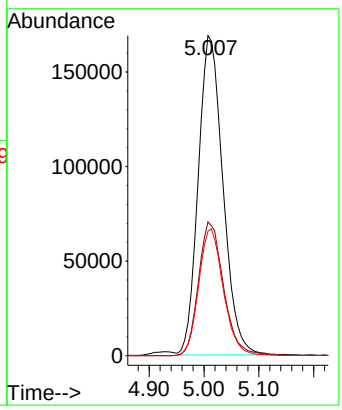
Tgt Ion: 42 Resp: 52857

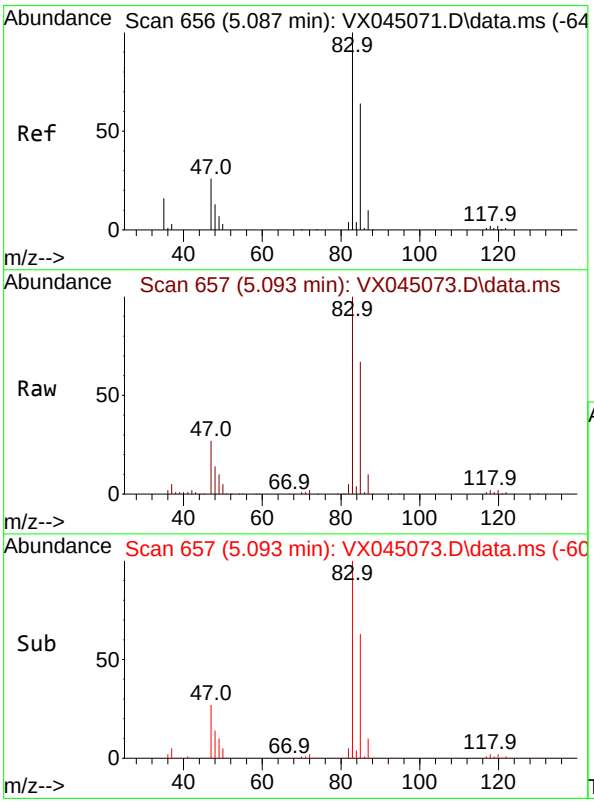
Ion	Ratio	Lower	Upper
42	100		
72	42.8	34.1	51.1
71	39.7	31.4	47.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

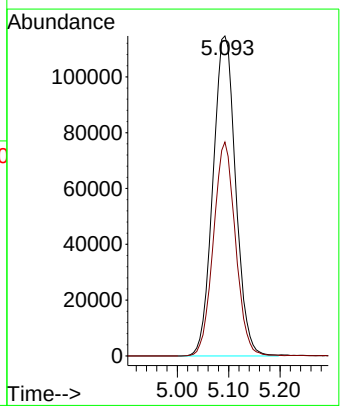


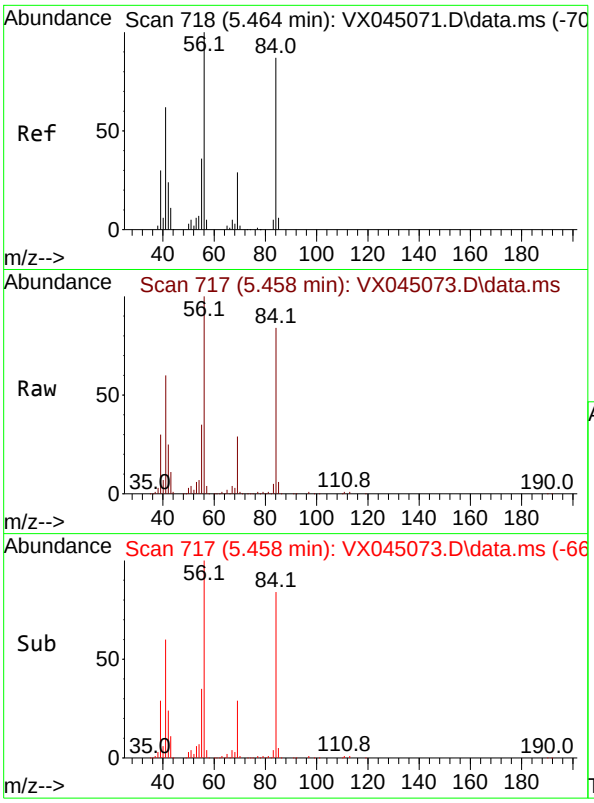


#30
Chloroform
Concen: 152.067 ug/l
RT: 5.093 min Scan# 657
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 83 Resp: 351934

Ion	Ratio	Lower	Upper
83	100		
85	66.9	51.4	77.2

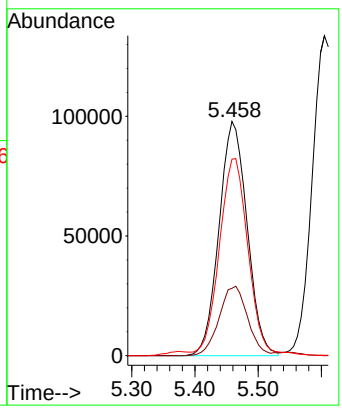




#31
Cyclohexane
Concen: 139.174 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 56 Resp: 30221

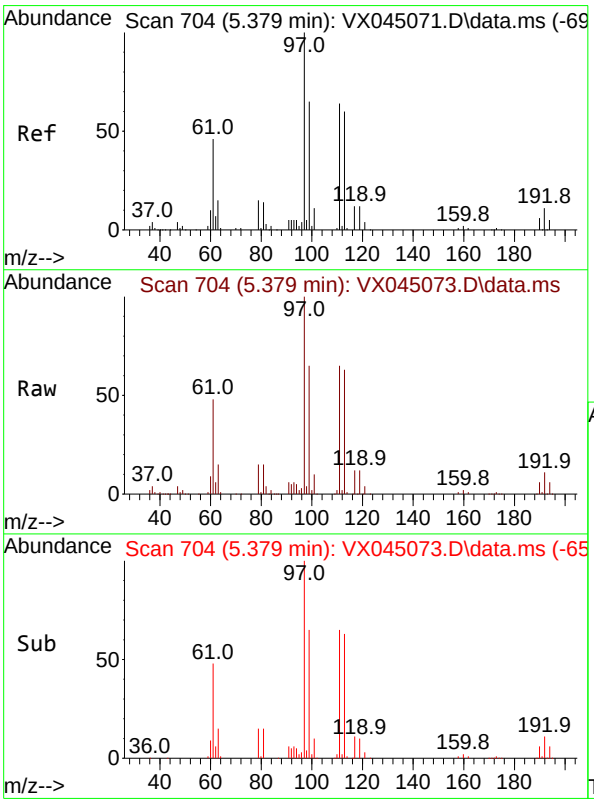
Ion	Ratio	Lower	Upper
56	100		
69	28.8	23.4	35.2
84	82.2	69.4	104.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

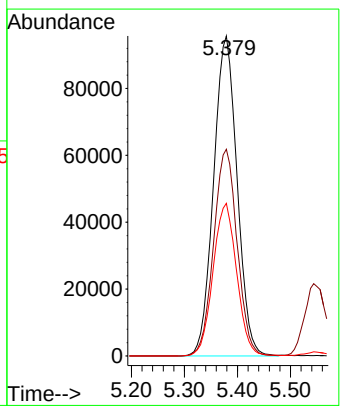
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

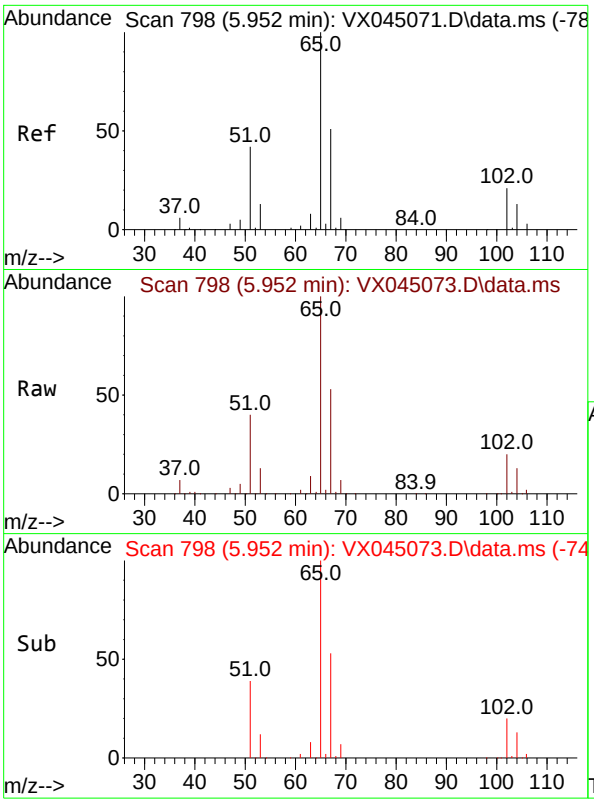


#32
1,1,1-Trichloroethane
Concen: 151.120 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

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

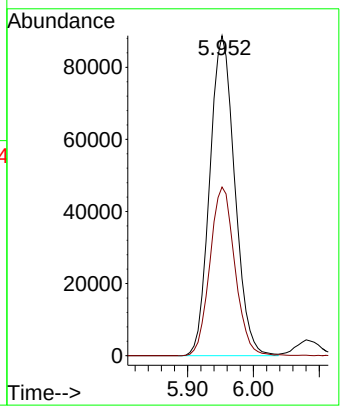




#33
1,2-Dichloroethane-d4
Concen: 165.865 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 65 Resp: 23462

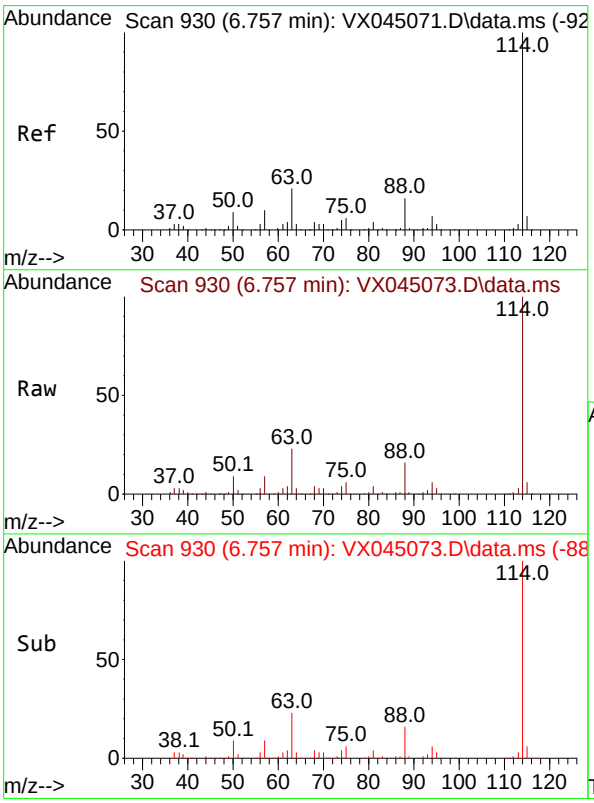
Ion	Ratio	Lower	Upper
65	100		
67	52.7	0.0	106.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

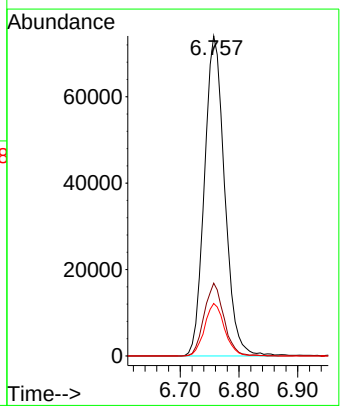
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

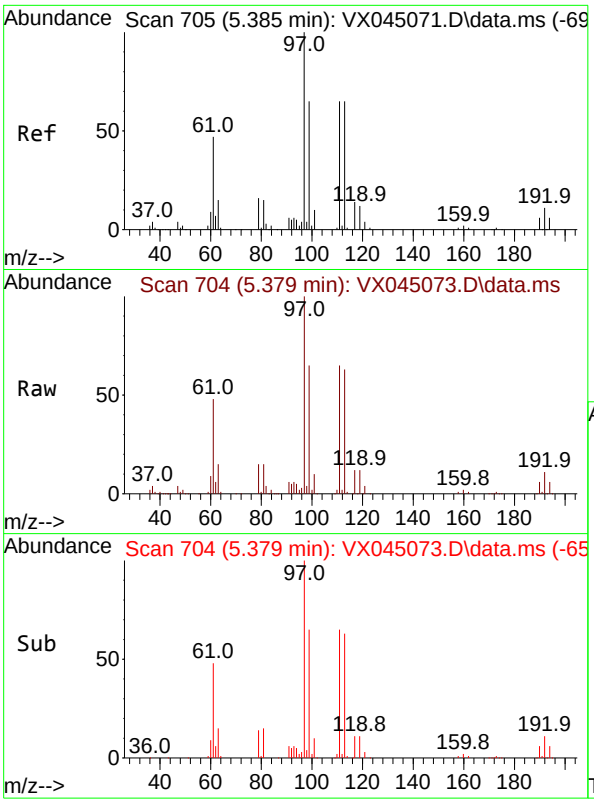


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

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

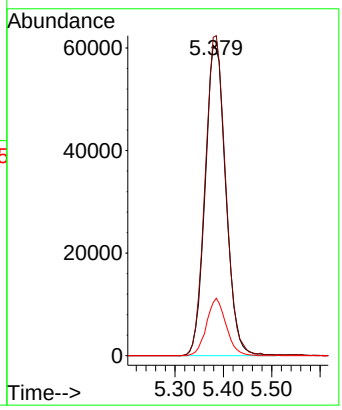




#35
Dibromofluoromethane
Concen: 155.359 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:113 Resp: 17972

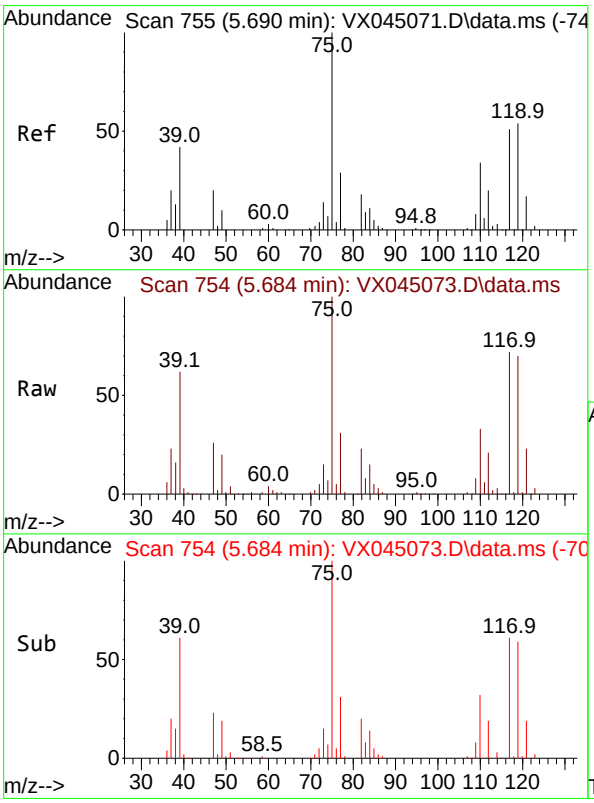
Ion	Ratio	Lower	Upper
113	100		
111	102.7	81.8	122.6
192	17.5	14.3	21.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

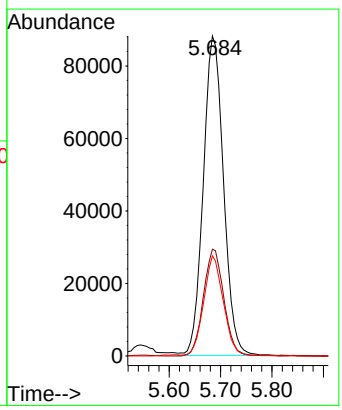
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

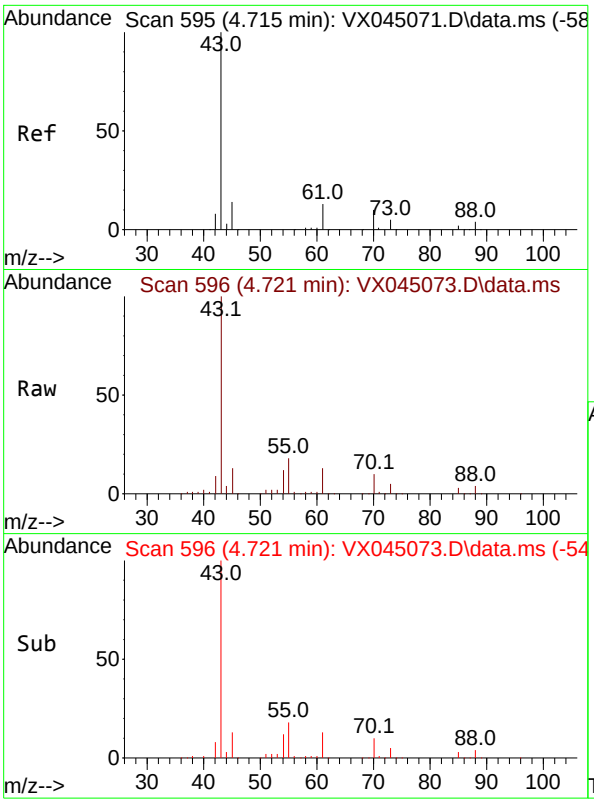


#36
1,1-Dichloropropene
Concen: 145.112 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

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

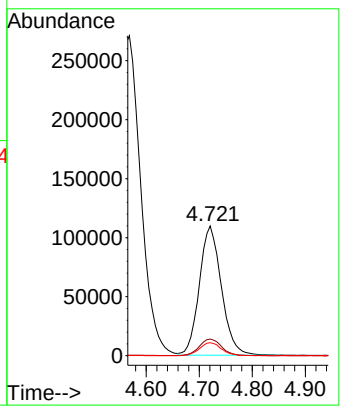




#37
Ethyl Acetate
Concen: 167.067 ug/l
RT: 4.721 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 43 Resp: 31625

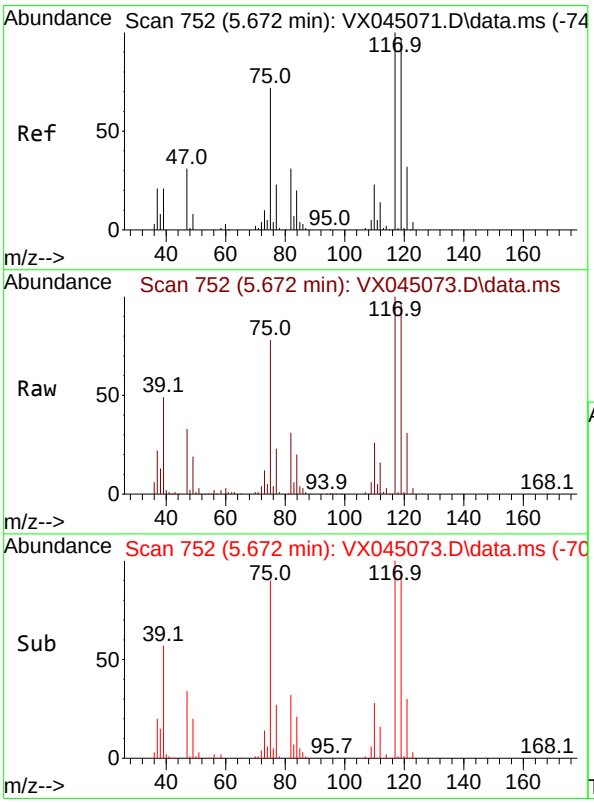
Ion	Ratio	Lower	Upper
43	100		
61	13.2	10.8	16.2
70	10.1	7.7	11.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

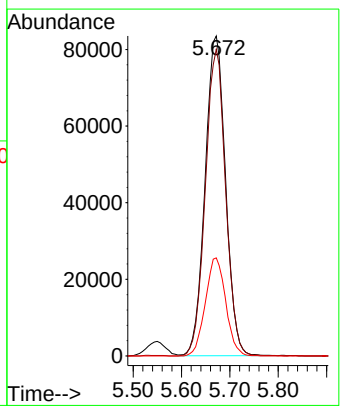
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

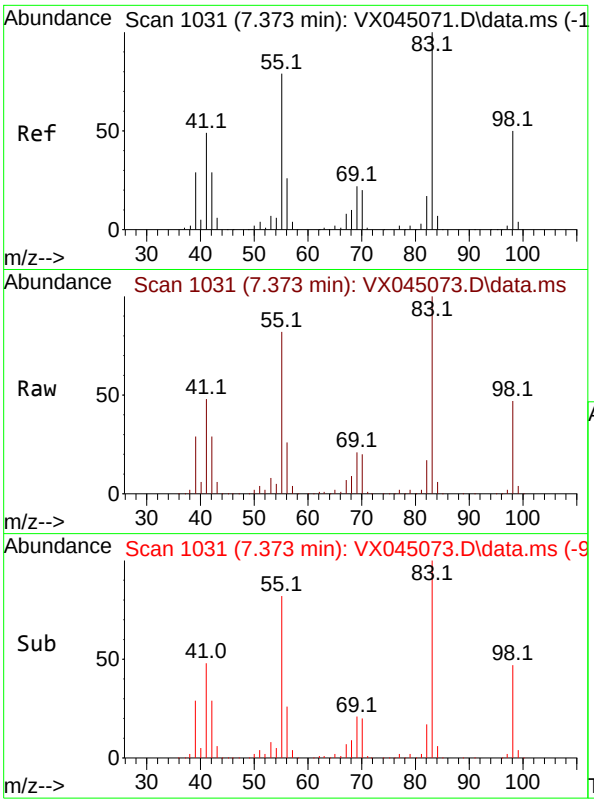


#38
Carbon Tetrachloride
Concen: 150.363 ug/l
RT: 5.672 min Scan# 752
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

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

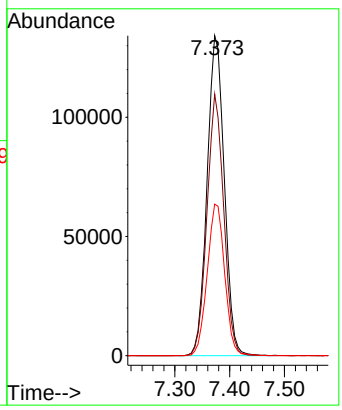




#39
Methylcyclohexane
Concen: 137.544 ug/l
RT: 7.373 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 83 Resp: 29221

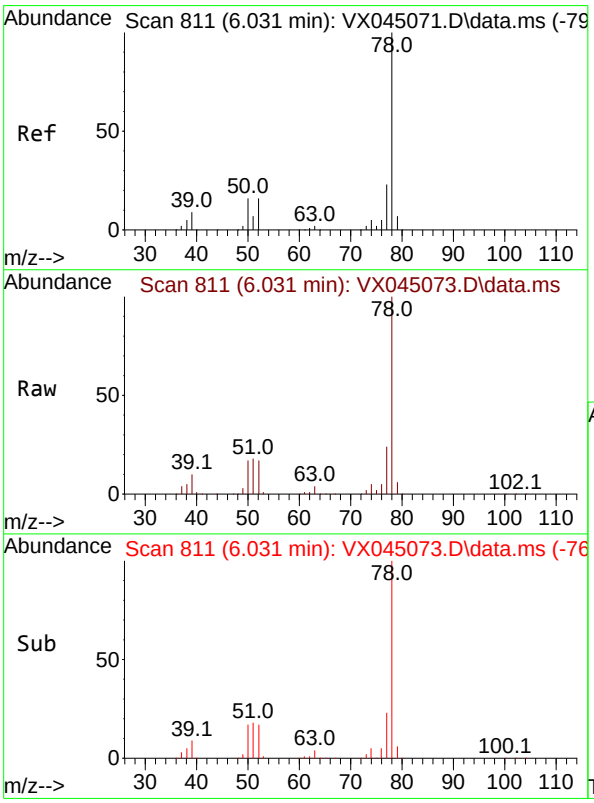
Ion	Ratio	Lower	Upper
83	100		
55	81.7	63.0	94.4
98	47.4	39.7	59.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

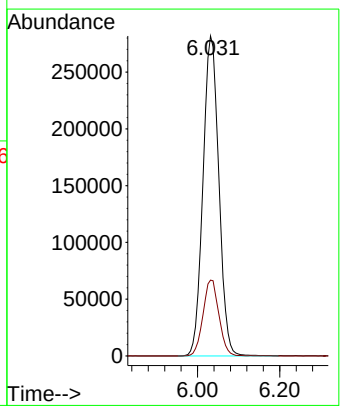
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

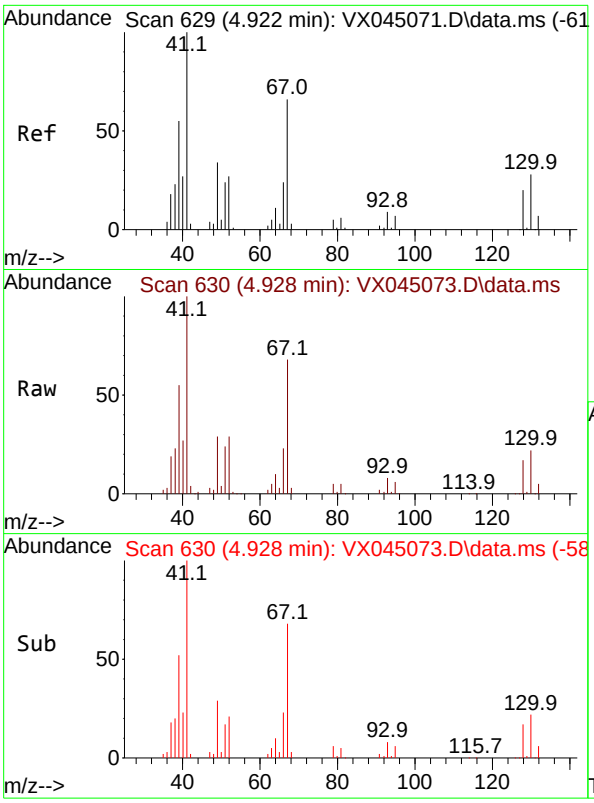


#40
Benzene
Concen: 145.368 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 78 Resp: 755854

Ion	Ratio	Lower	Upper
78	100		
77	23.7	18.8	28.2

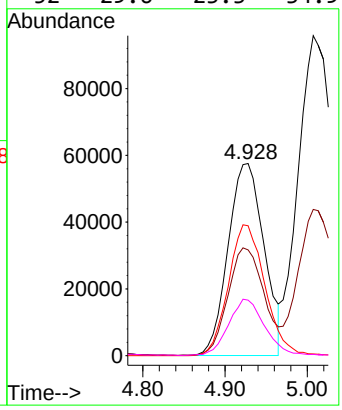




#41
Methacrylonitrile
Concen: 173.088 ug/l
RT: 4.928 min Scan# 6
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 41 Resp: 17502

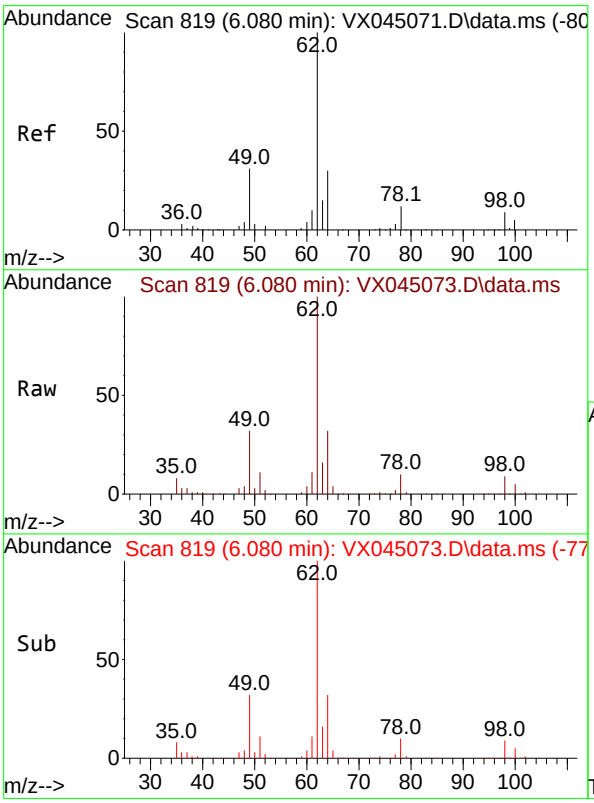
Ion	Ratio	Lower	Upper
41	100		
39	55.9	44.6	67.0
67	69.5	53.9	80.9
52	29.6	23.3	34.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

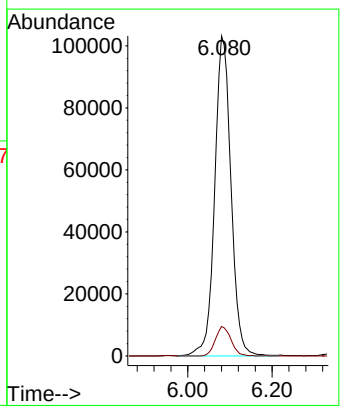
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

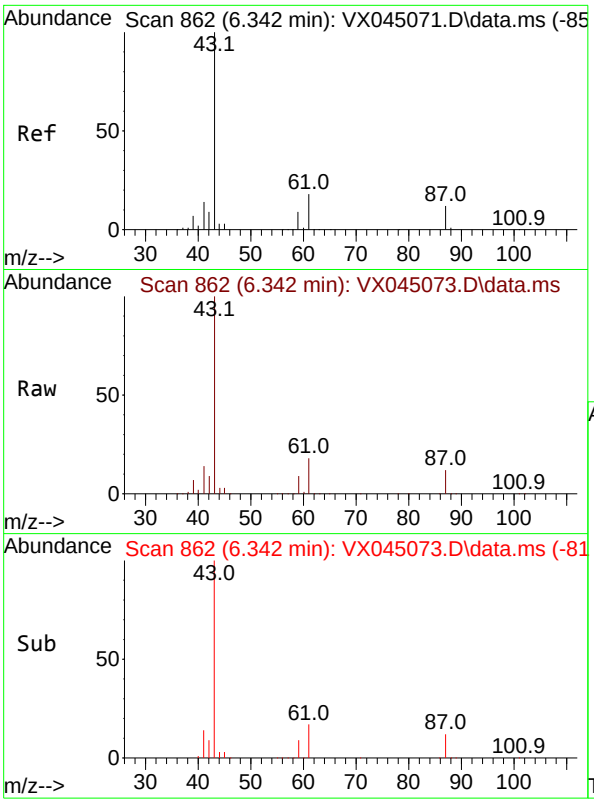


#42
1,2-Dichloroethane
Concen: 163.872 ug/l
RT: 6.080 min Scan# 819
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

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

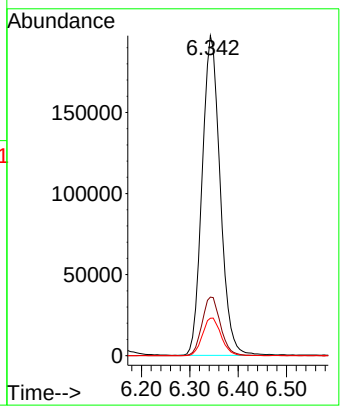
Tgt Ion: 43 Resp: 51164

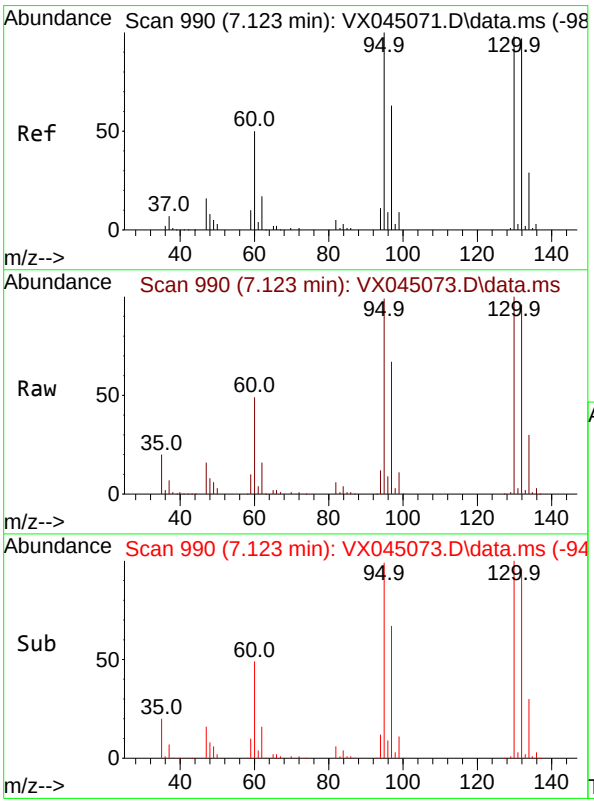
Ion	Ratio	Lower	Upper
43	100		
61	18.7	14.9	22.3
87	12.1	9.4	14.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

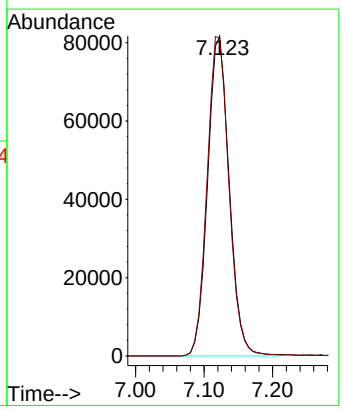


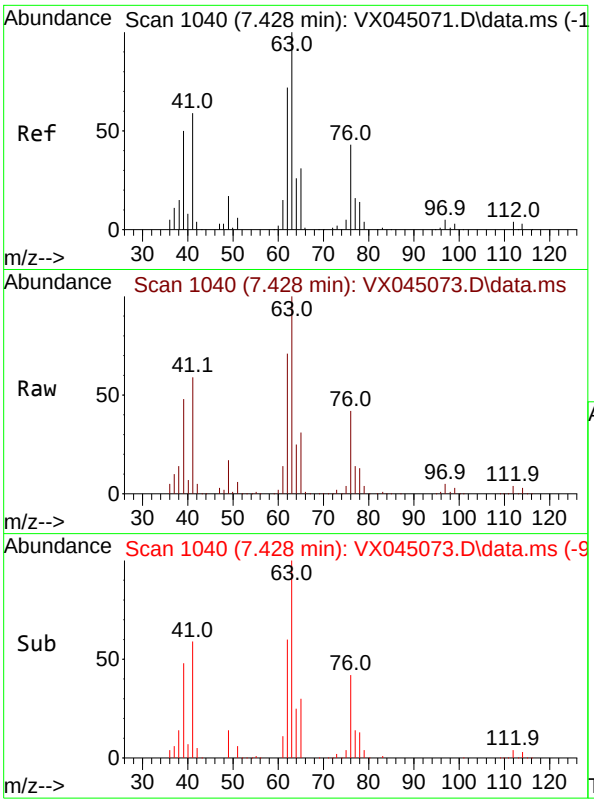


#44
Trichloroethene
Concen: 150.181 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:130 Resp: 178483

Ion	Ratio	Lower	Upper
130	100		
95	99.3	0.0	205.0

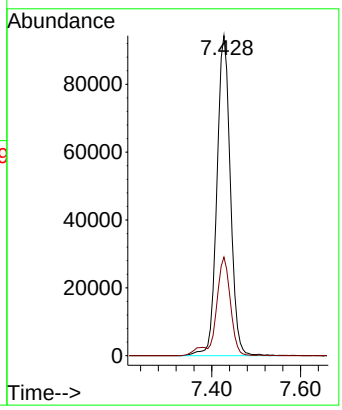




#45
1,2-Dichloropropane
Concen: 153.334 ug/l
RT: 7.428 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 63 Resp: 19813

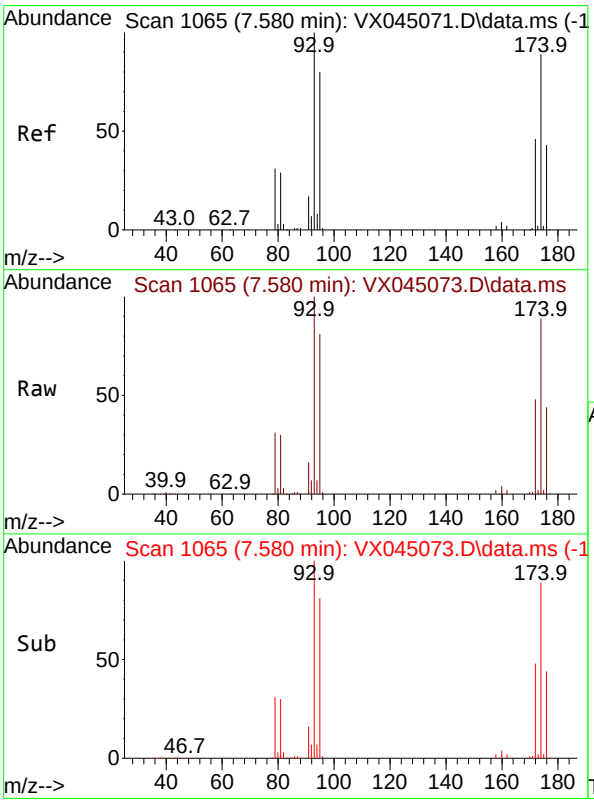
Ion	Ratio	Lower	Upper
63	100		
65	30.8	24.7	37.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

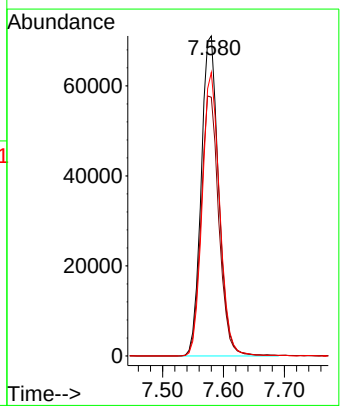
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

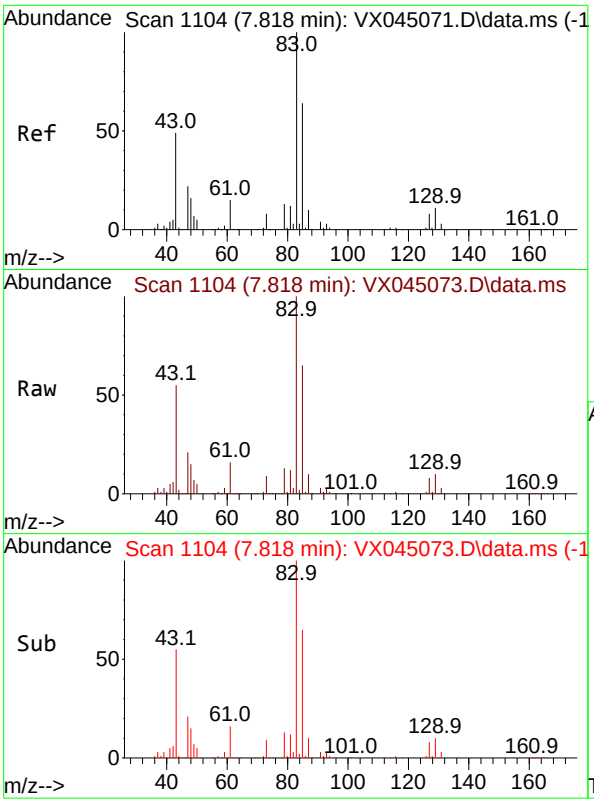


#46
Dibromomethane
Concen: 157.443 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

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

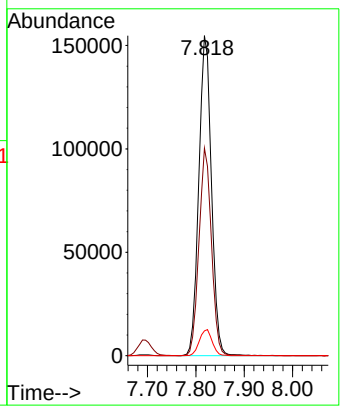




#47
Bromodichloromethane
Concen: 160.492 ug/l
RT: 7.818 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 83 Resp: 28025

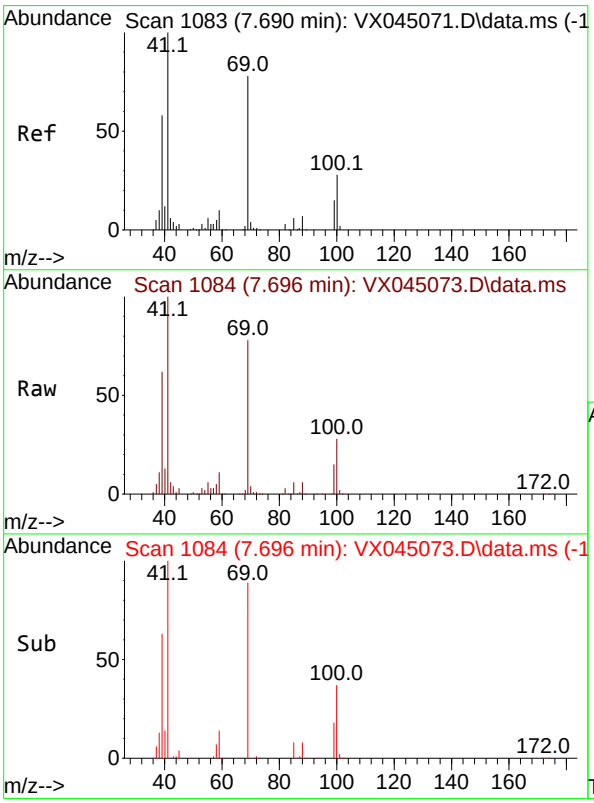
Ion	Ratio	Lower	Upper
83	100		
85	64.9	51.1	76.7
127	7.8	6.4	9.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

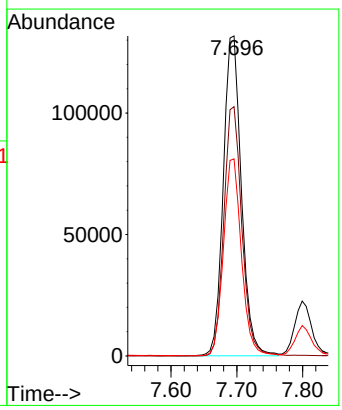
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

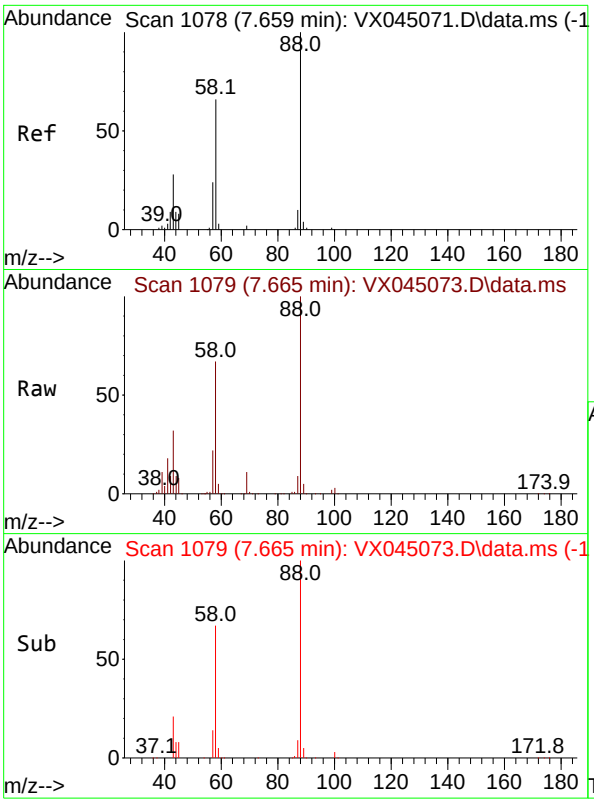


#48
Methyl methacrylate
Concen: 176.370 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

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

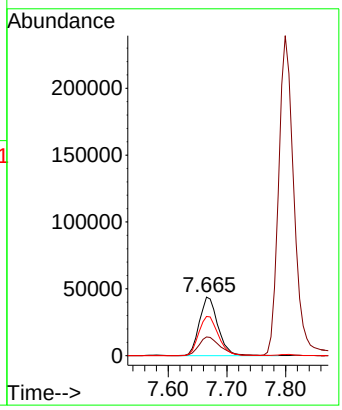




#49
1,4-Dioxane
Concen: 3166.423 ug/l
RT: 7.665 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 88 Resp: 9626

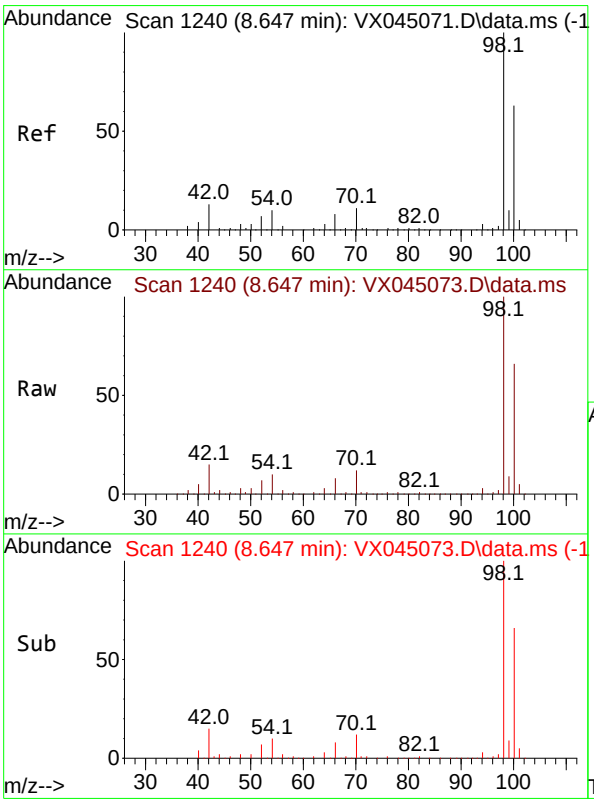
Ion	Ratio	Lower	Upper
88	100		
43	37.0	28.7	43.1
58	70.8	55.8	83.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

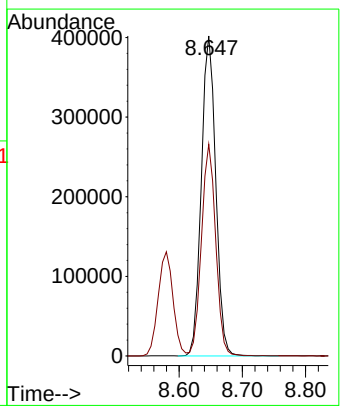
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

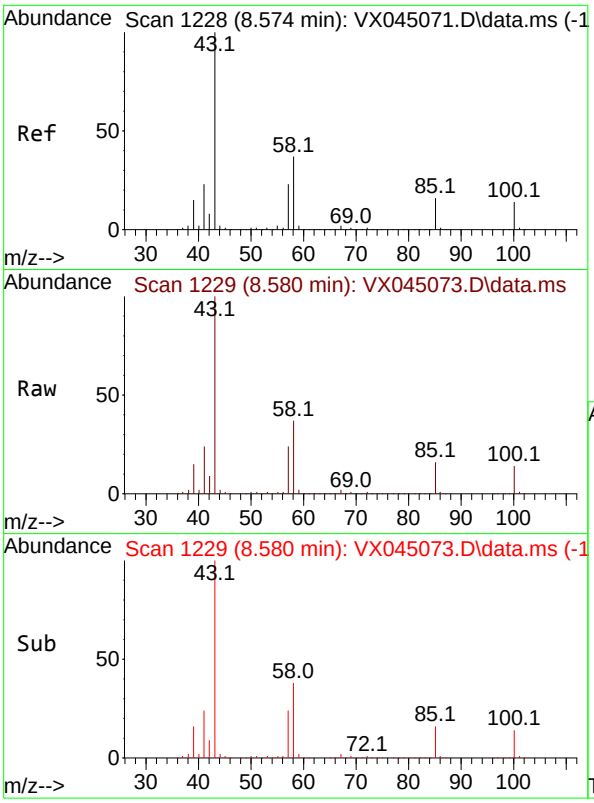


#50
Toluene-d8
Concen: 147.538 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

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

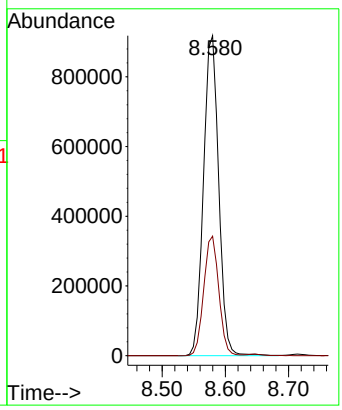
Tgt Ion: 43 Resp: 153615

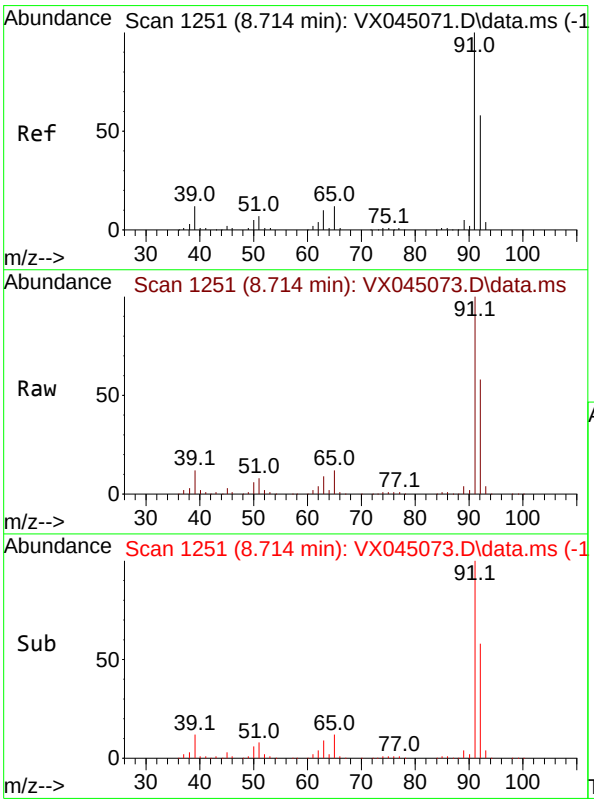
Ion	Ratio	Lower	Upper
43	100		
58	37.1	29.2	43.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

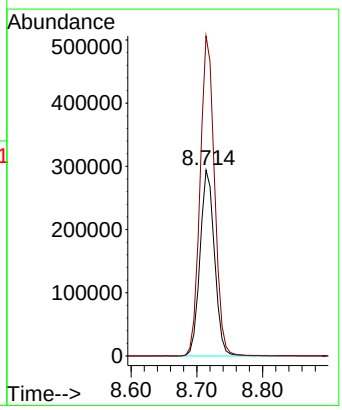


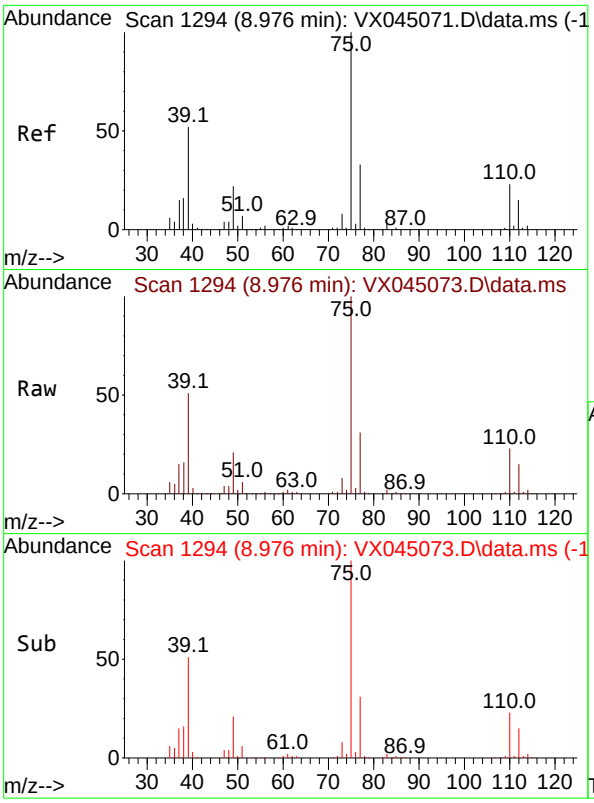


#52
Toluene
Concen: 145.321 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 92 Resp: 448664

Ion	Ratio	Lower	Upper
92	100		
91	172.3	138.9	208.3

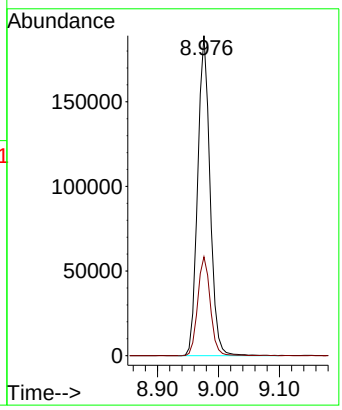




#53
t-1,3-Dichloropropene
Concen: 154.373 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 75 Resp: 26644

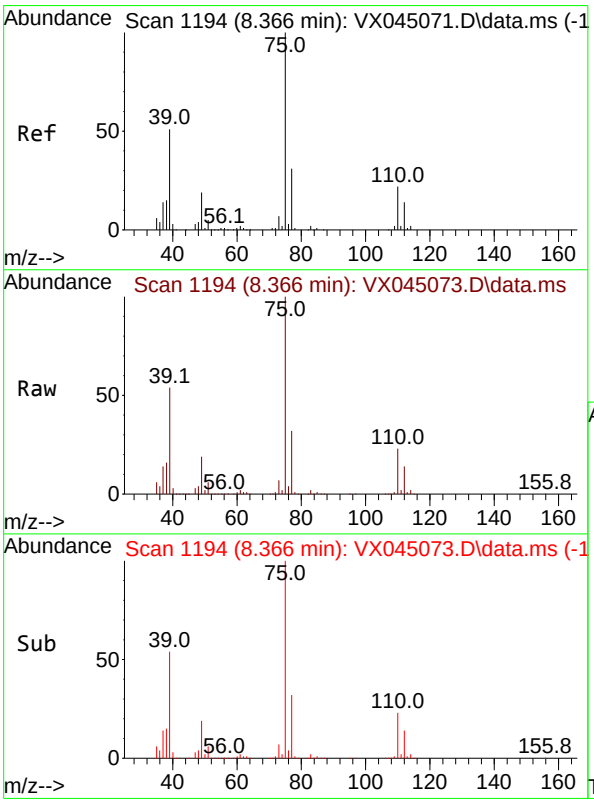
Ion	Ratio	Lower	Upper
75	100		
77	30.9	26.5	39.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

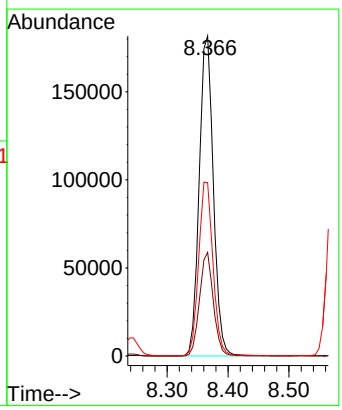
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

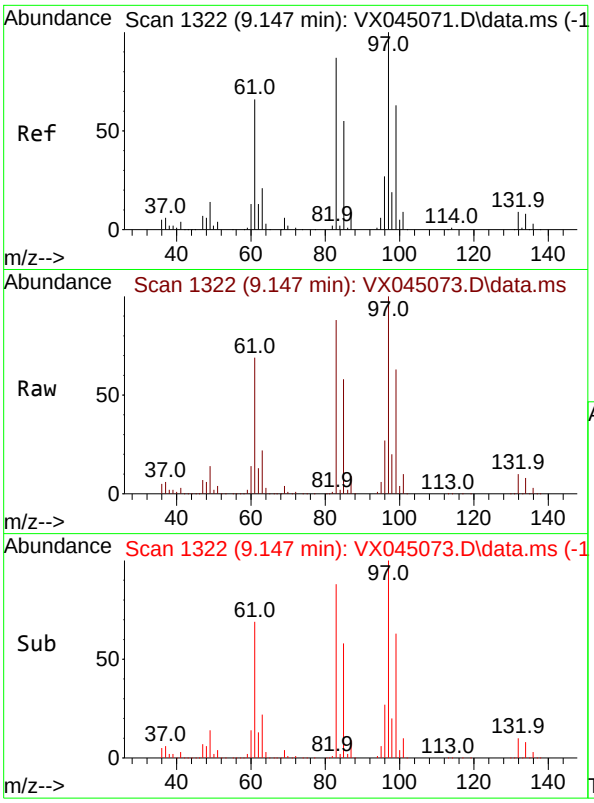


#54
cis-1,3-Dichloropropene
Concen: 152.117 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

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

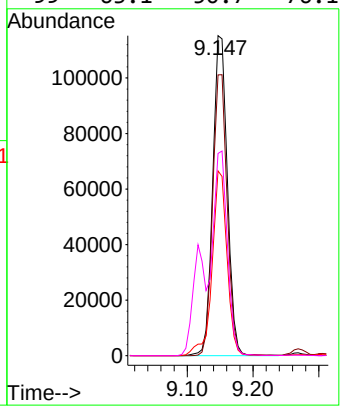




#55
1,1,2-Trichloroethane
Concen: 149.046 ug/l
RT: 9.147 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 97 Resp: 17821

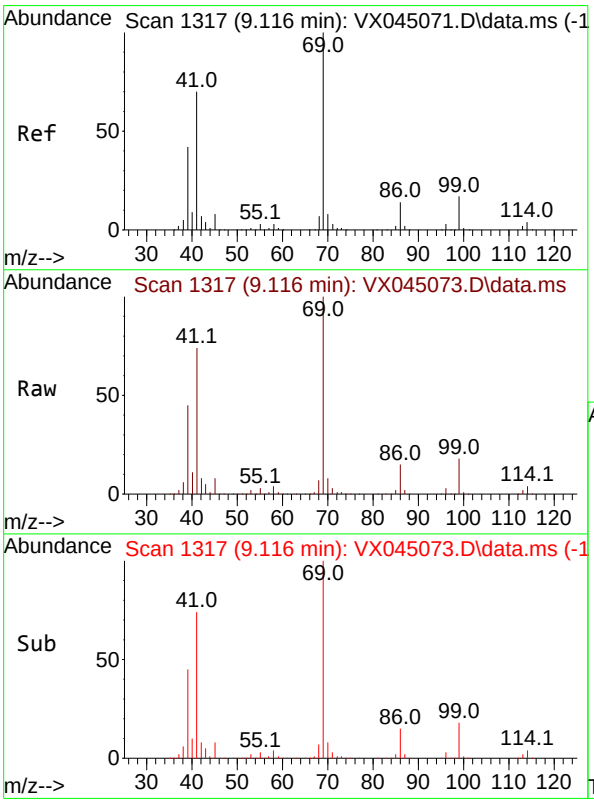
Ion	Ratio	Lower	Upper
97	100		
83	87.8	69.4	104.2
85	57.8	44.1	66.1
99	63.1	50.7	76.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

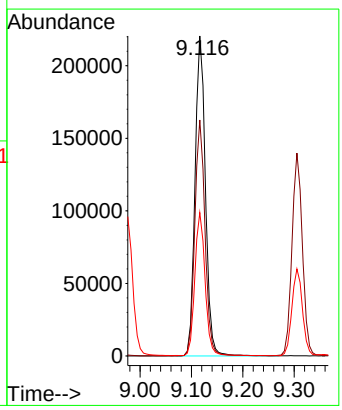
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

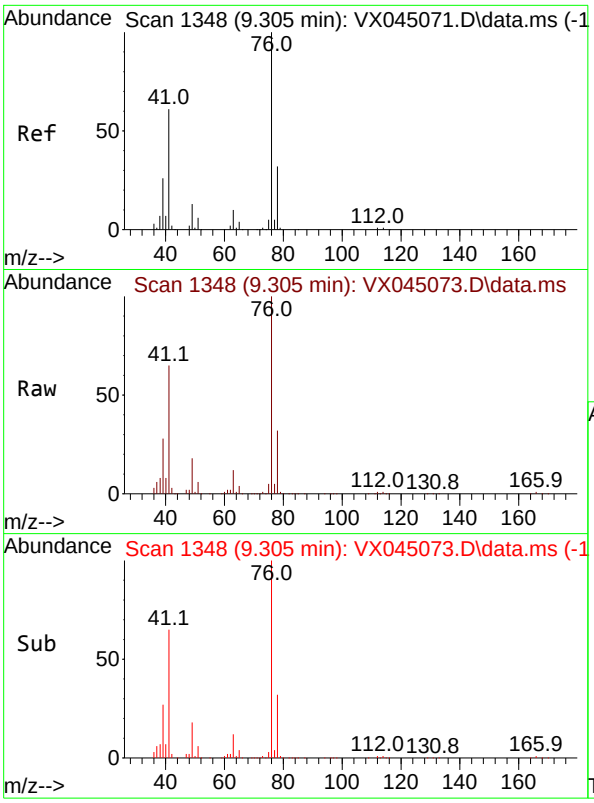


#56
Ethyl methacrylate
Concen: 162.631 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

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

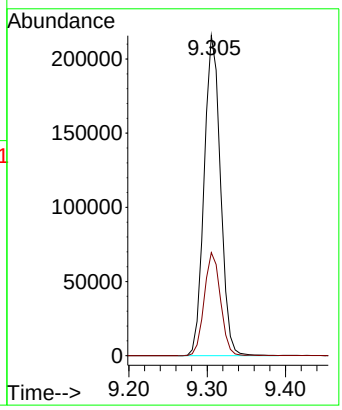




#57
1,3-Dichloropropane
Concen: 149.699 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 76 Resp: 31219

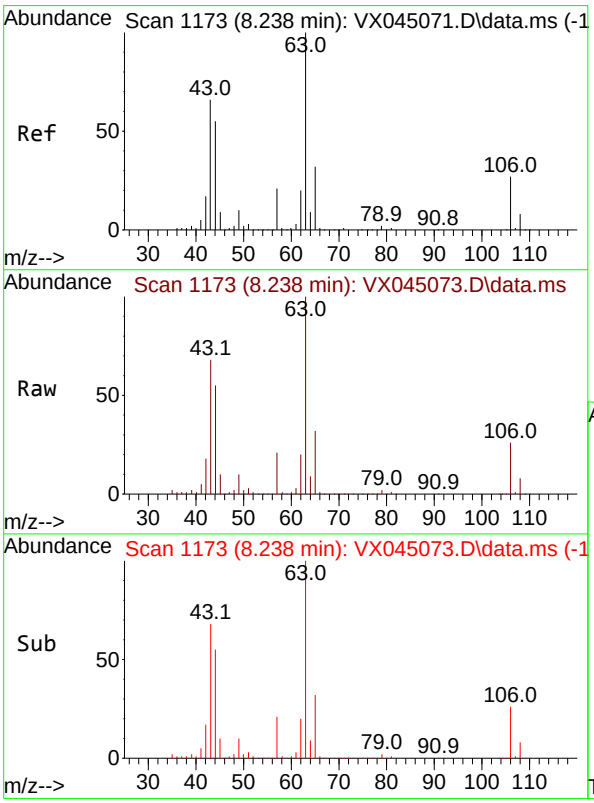
Ion	Ratio	Lower	Upper
76	100		
78	32.0	25.5	38.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

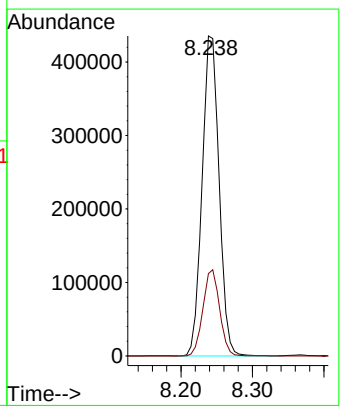
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

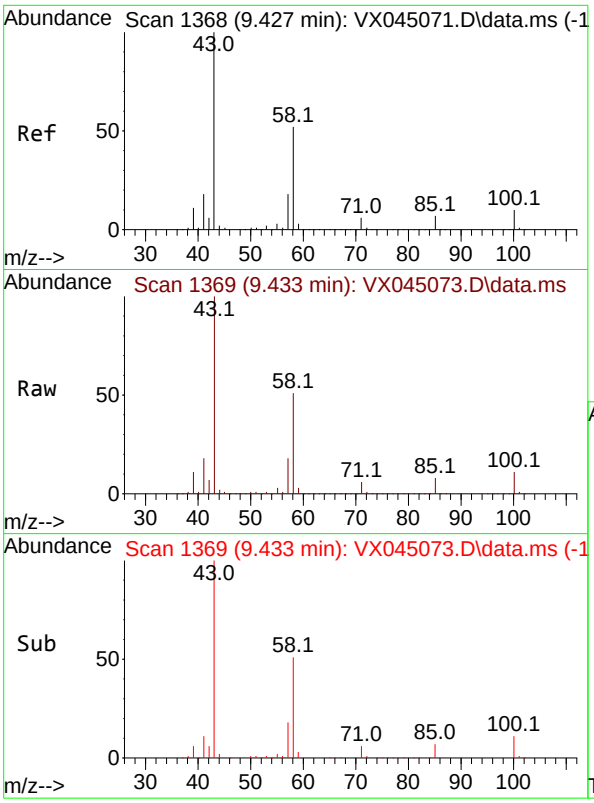


#58
2-Chloroethyl Vinyl ether
Concen: 764.019 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

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

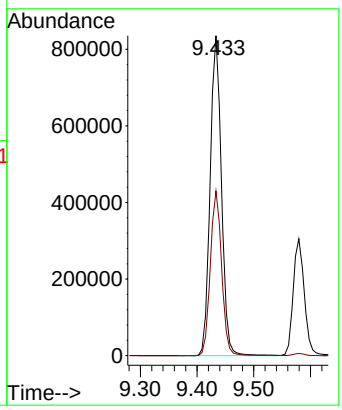
Tgt Ion: 43 Resp: 115665

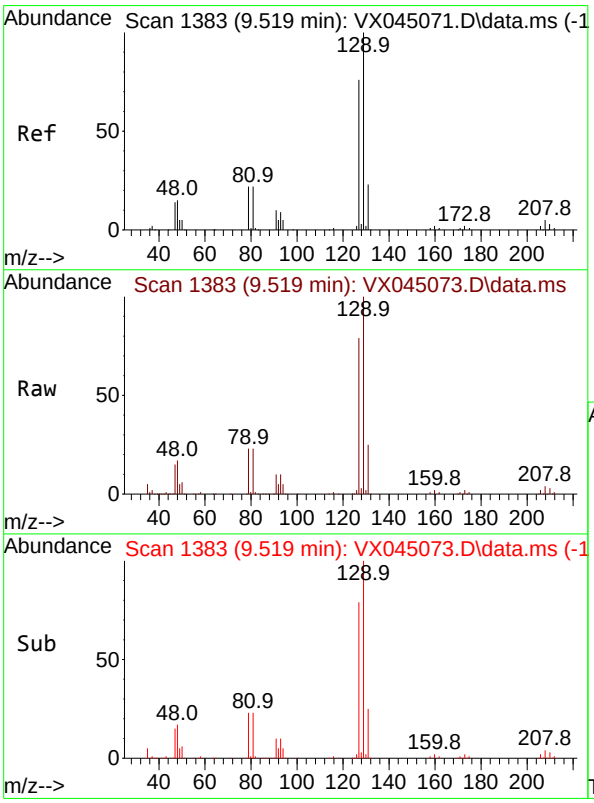
Ion	Ratio	Lower	Upper
43	100		
58	51.6	25.9	77.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

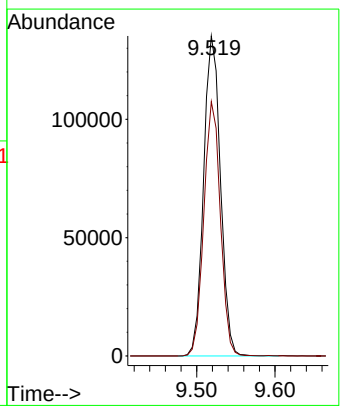


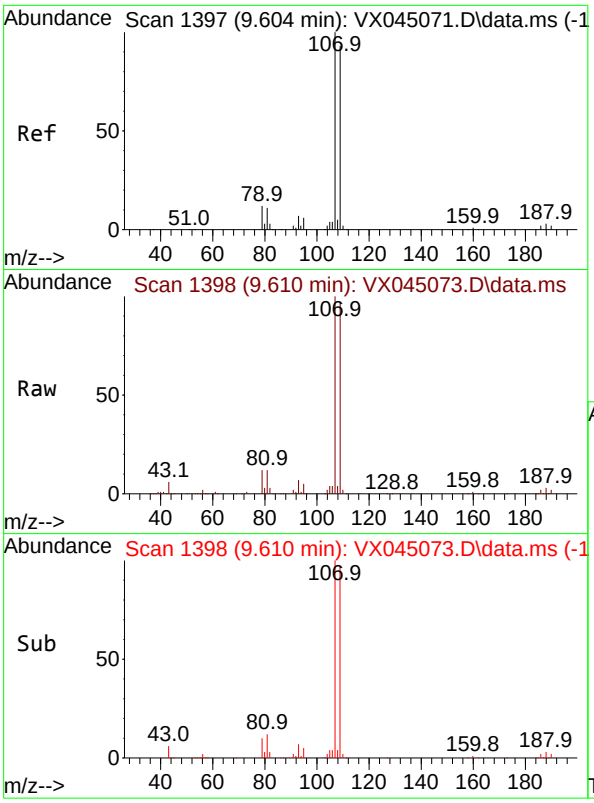


#60
Dibromochloromethane
Concen: 158.276 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:129 Resp: 201906

Ion	Ratio	Lower	Upper
129	100		
127	77.9	38.5	115.5

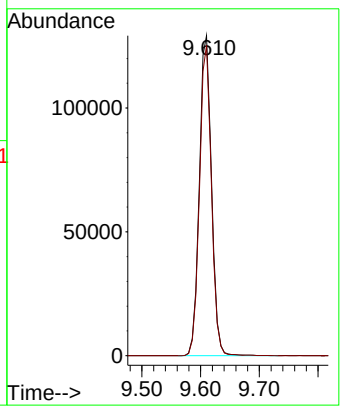




#61
1,2-Dibromoethane
Concen: 154.074 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:107 Resp: 18582

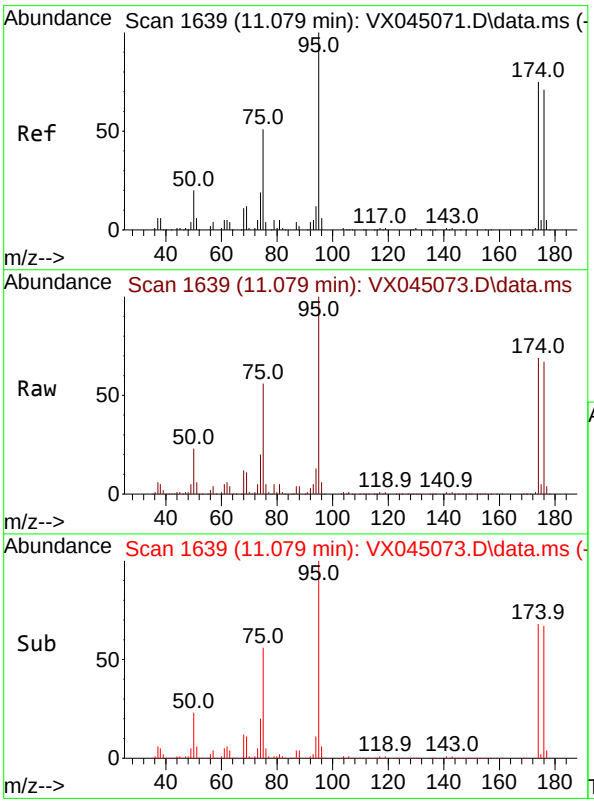
Ion	Ratio	Lower	Upper
107	100		
109	95.2	76.1	114.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

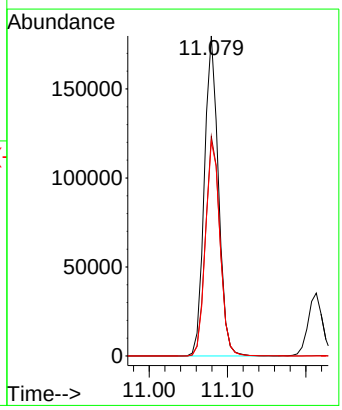
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

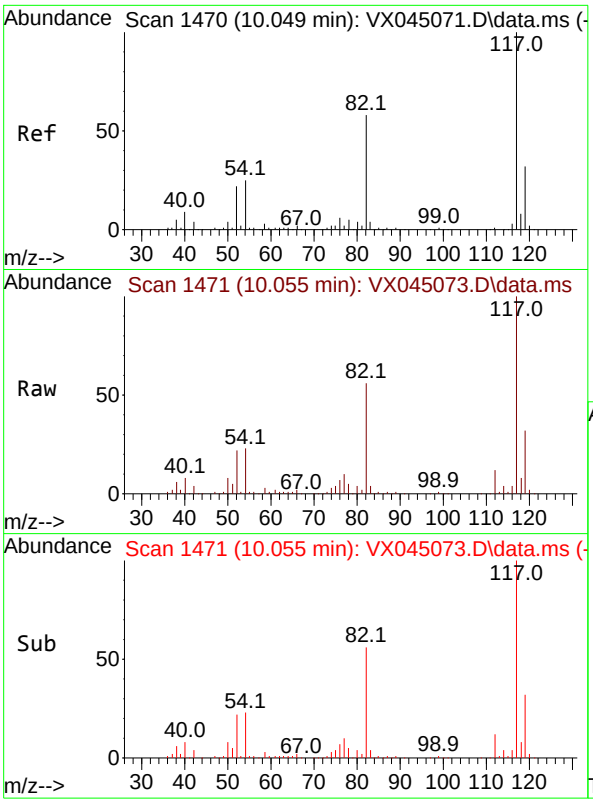


#62
4-Bromofluorobenzene
Concen: 154.420 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

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

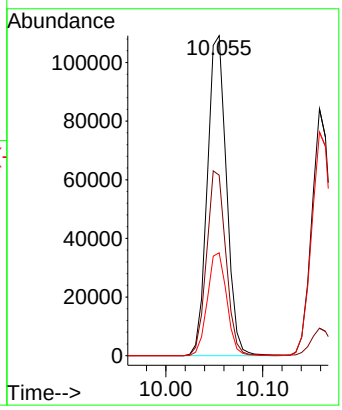




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:117 Resp: 15054

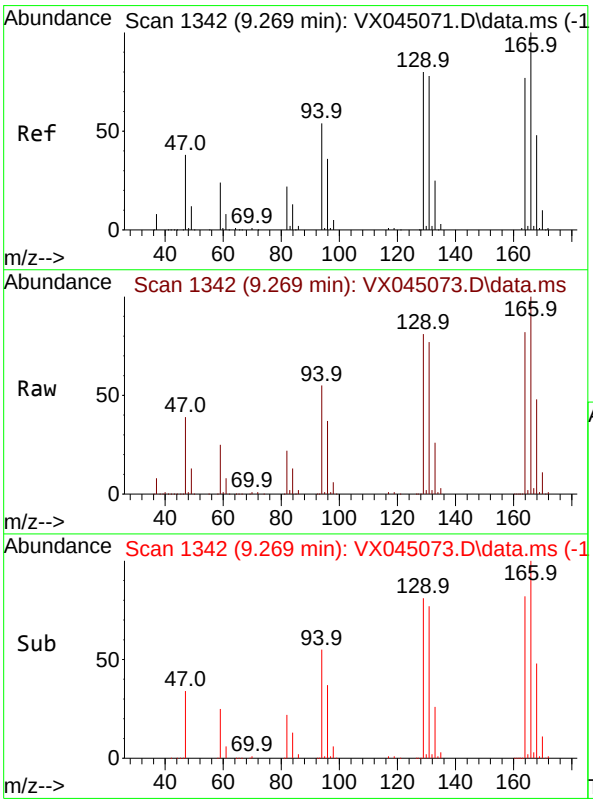
Ion	Ratio	Lower	Upper
117	100		
82	56.4	46.3	69.5
119	32.1	25.7	38.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

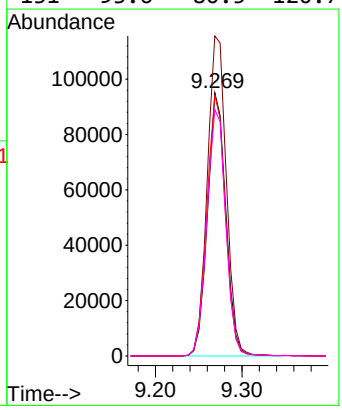
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

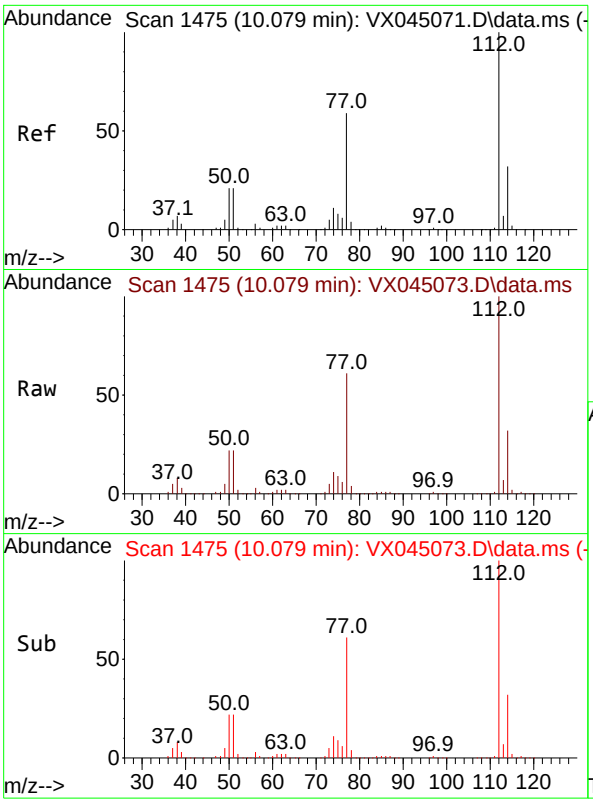


#64
Tetrachloroethene
Concen: 145.906 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

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

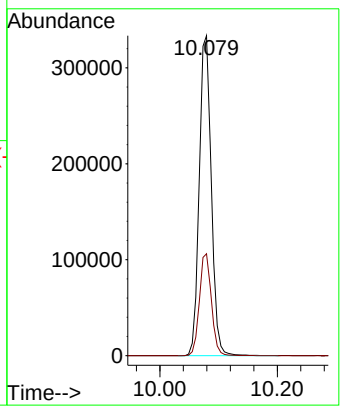
Tgt Ion:112 Resp: 47211

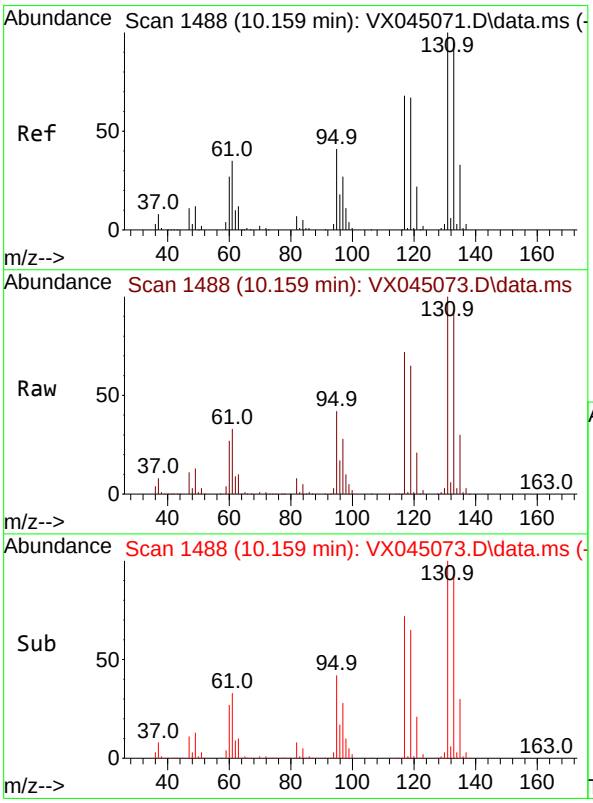
Ion	Ratio	Lower	Upper
112	100		
114	31.9	26.0	39.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

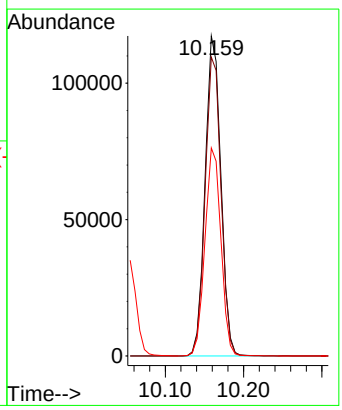


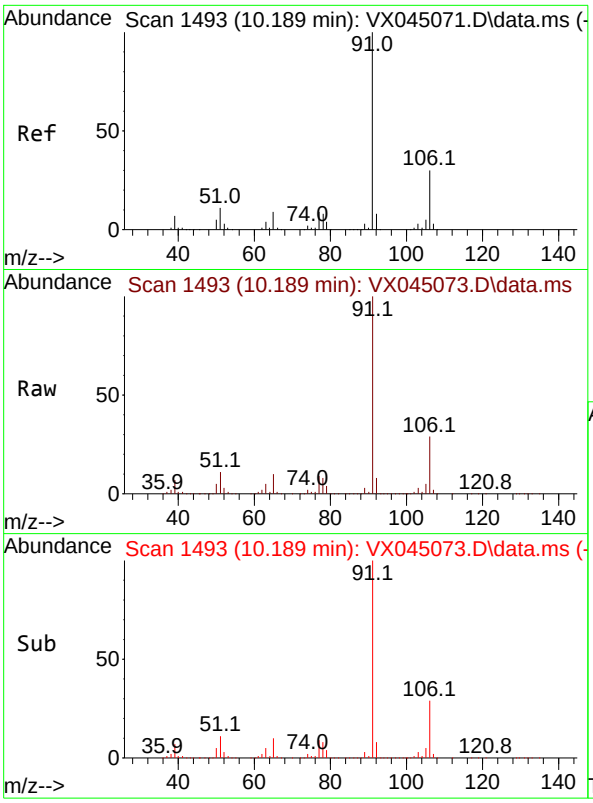


#66
1,1,1,2-Tetrachloroethane
Concen: 156.845 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

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

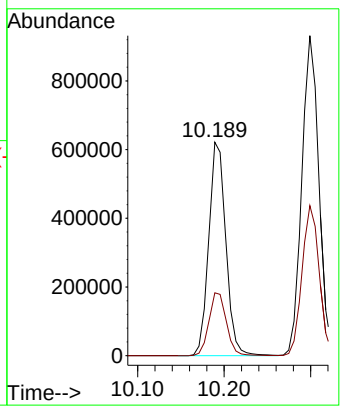




#67
Ethyl Benzene
Concen: 149.191 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 91 Resp: 85257

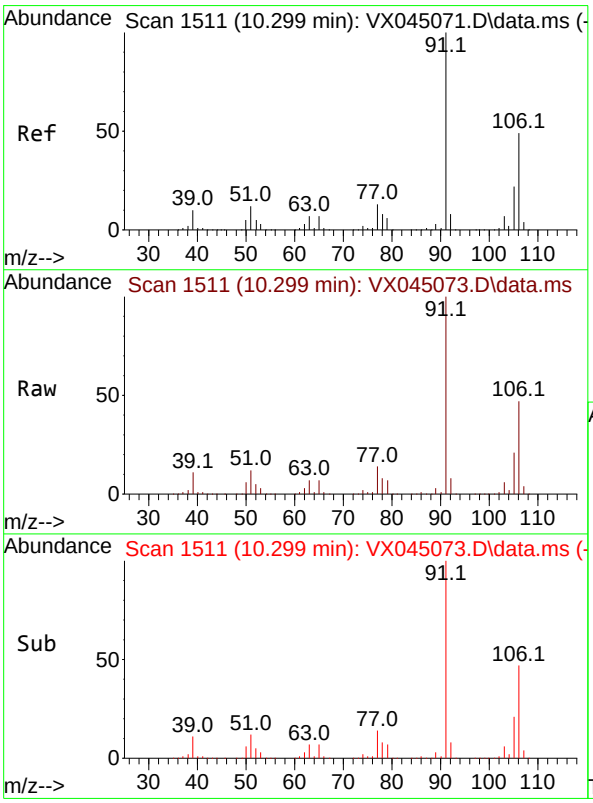
Ion	Ratio	Lower	Upper
91	100		
106	29.5	23.9	35.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

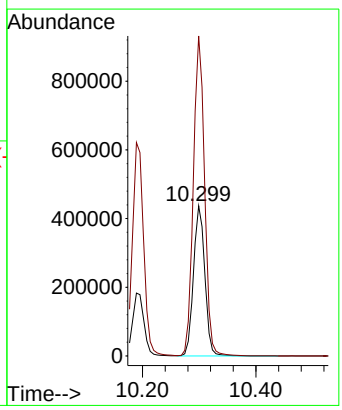
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

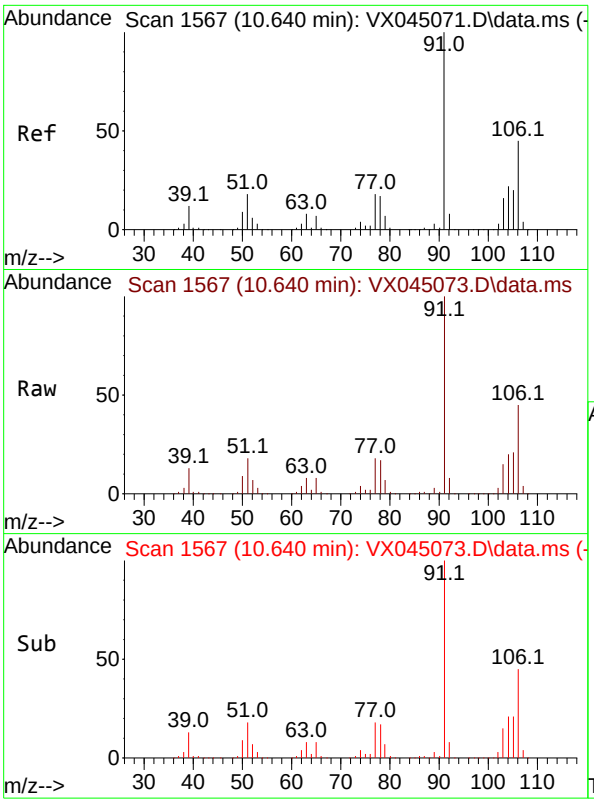


#68
m/p-Xylenes
Concen: 288.655 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:106 Resp: 607523

Ion	Ratio	Lower	Upper
106	100		
91	211.2	165.4	248.0

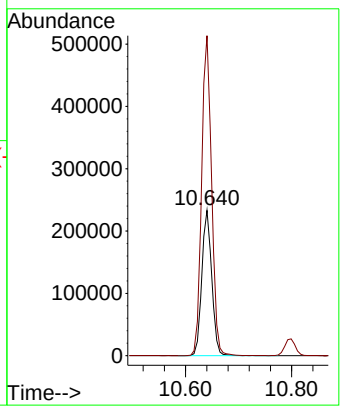




#69
o-Xylene
Concen: 143.259 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:106 Resp: 30249

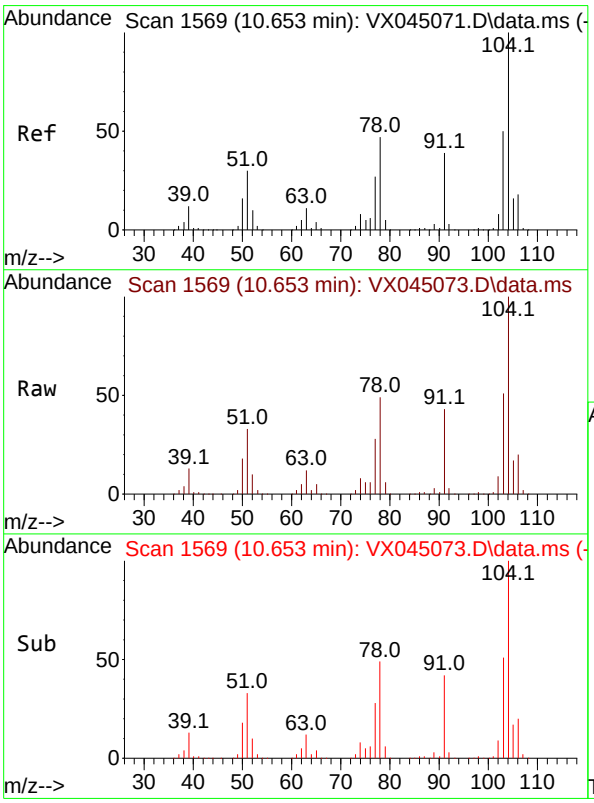
Ion	Ratio	Lower	Upper
106	100		
91	221.3	109.9	329.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

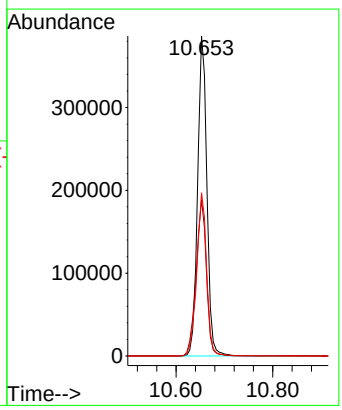
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

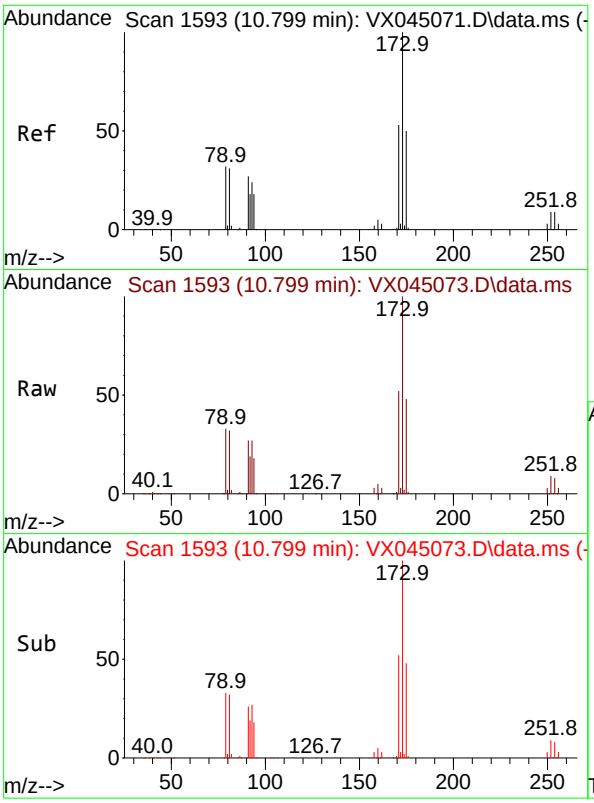


#70
Styrene
Concen: 150.979 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

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

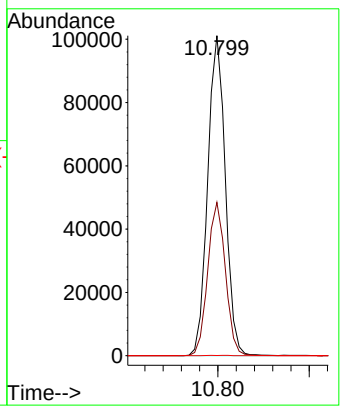




#71
Bromoform
Concen: 174.808 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:173 Resp: 13538

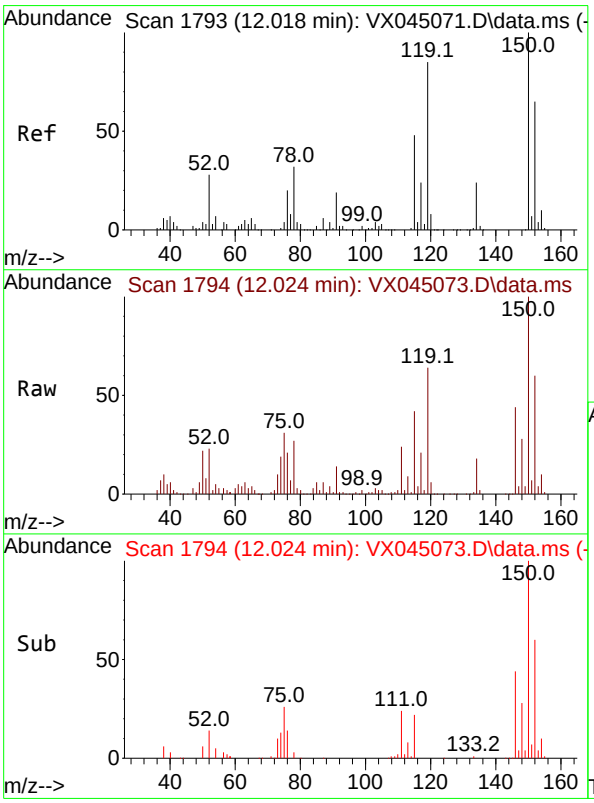
Ion	Ratio	Lower	Upper
173	100		
175	48.3	24.6	73.6
254	0.1	0.0	0.0#



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

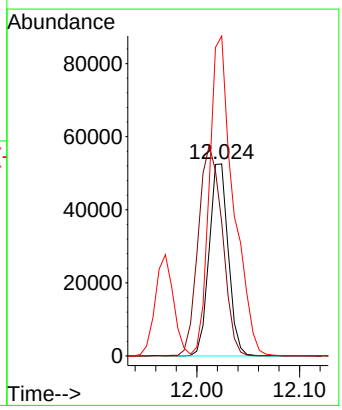
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

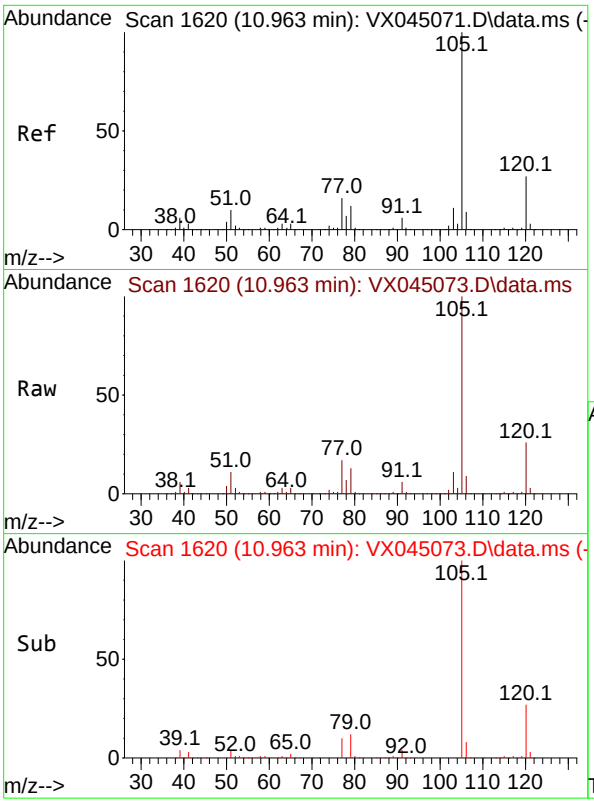


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

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

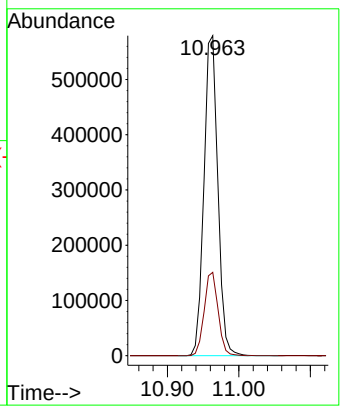




#73
Isopropylbenzene
Concen: 142.719 ug/l
RT: 10.963 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:105 Resp: 78070

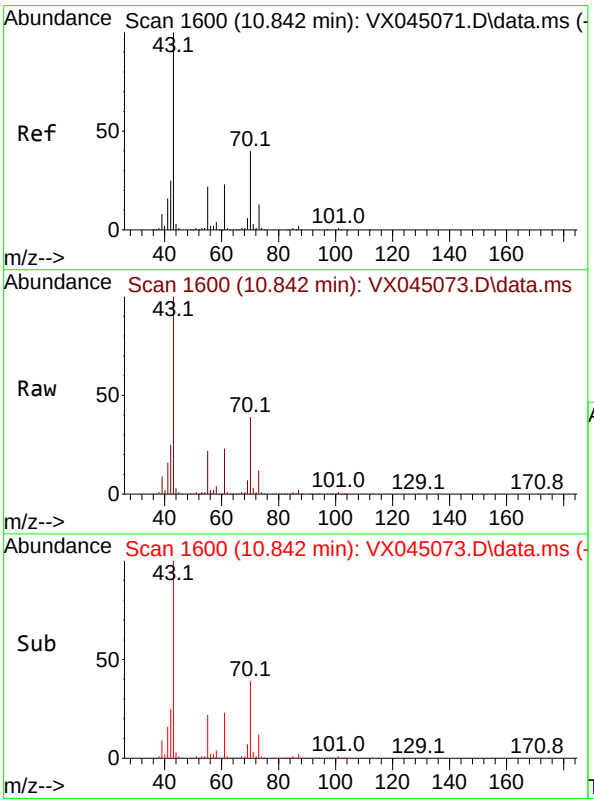
Ion	Ratio	Lower	Upper
105	100		
120	26.0	13.2	39.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

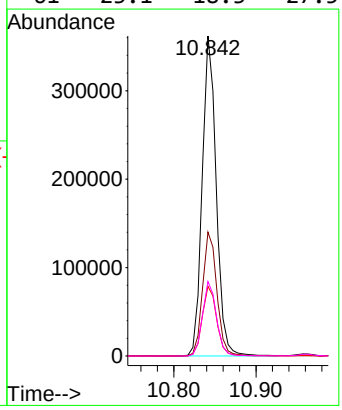
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

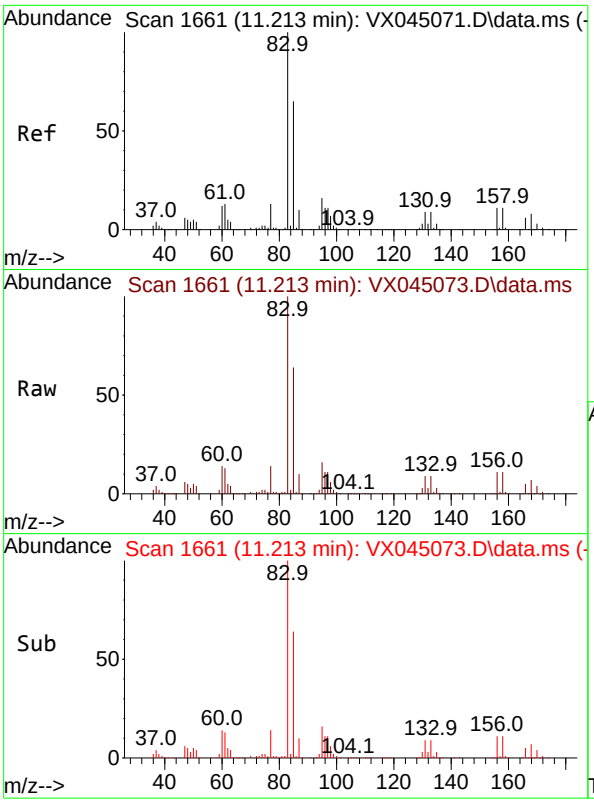


#74
N-amyl acetate
Concen: 173.042 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

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

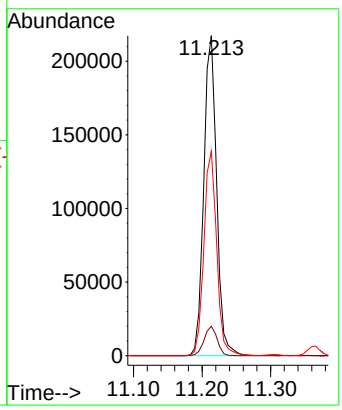
Tgt Ion: 83 Resp: 28355

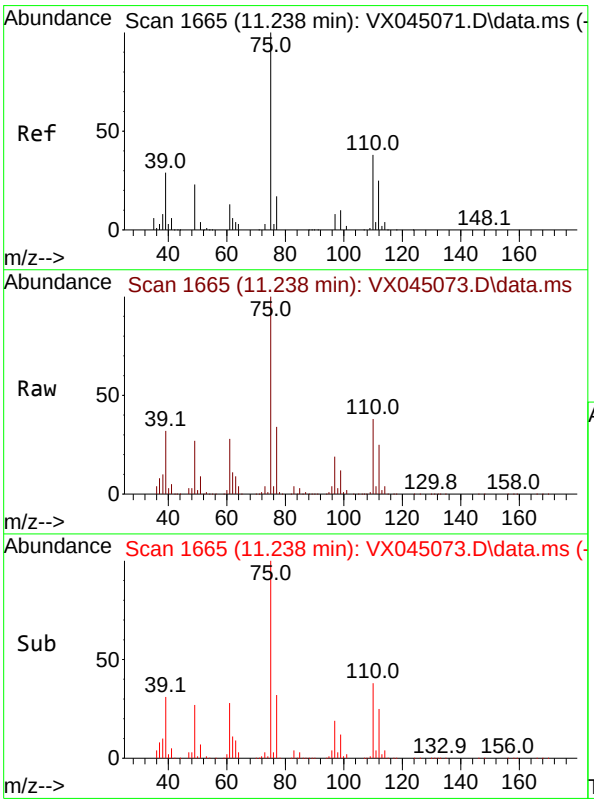
Ion	Ratio	Lower	Upper
83	100		
131	9.3	4.5	13.4
85	63.8	31.7	95.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

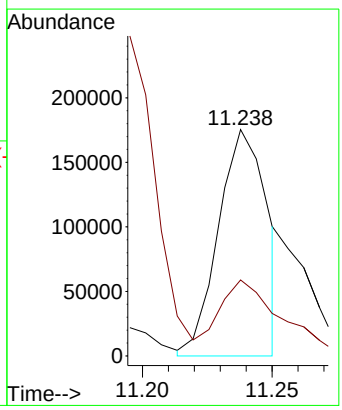


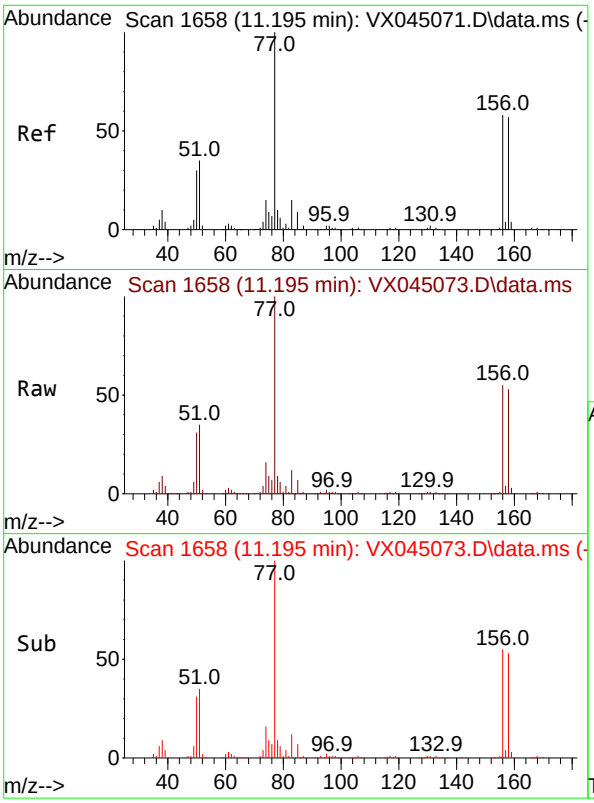


#76
1,2,3-Trichloropropane
Concen: 151.960 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 75 Resp: 229435

Ion	Ratio	Lower	Upper
75	100		
77	43.2	20.7	62.1

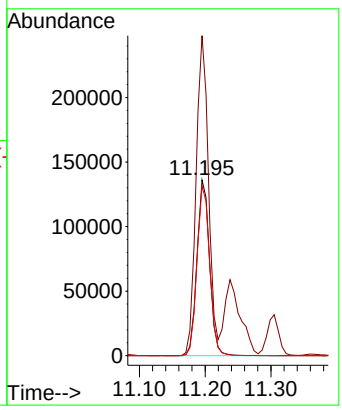




#77
Bromobenzene
Concen: 145.760 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:156 Resp: 18099

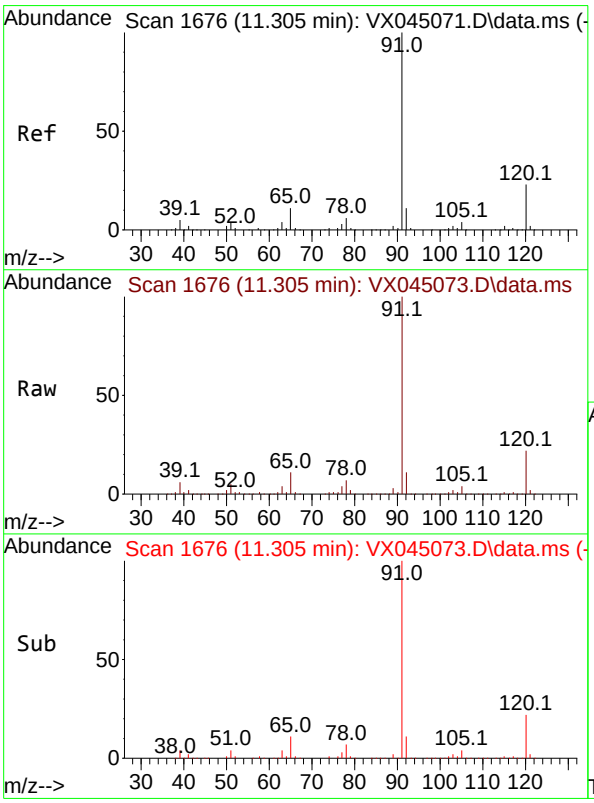
Ion	Ratio	Lower	Upper
156	100		
77	179.4	85.8	257.4
158	97.1	48.4	145.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

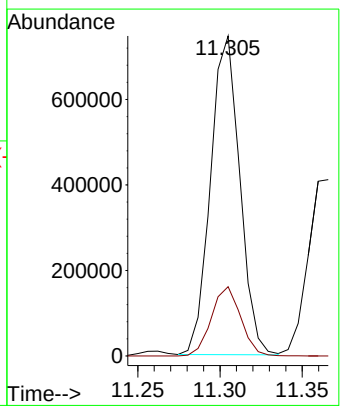
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

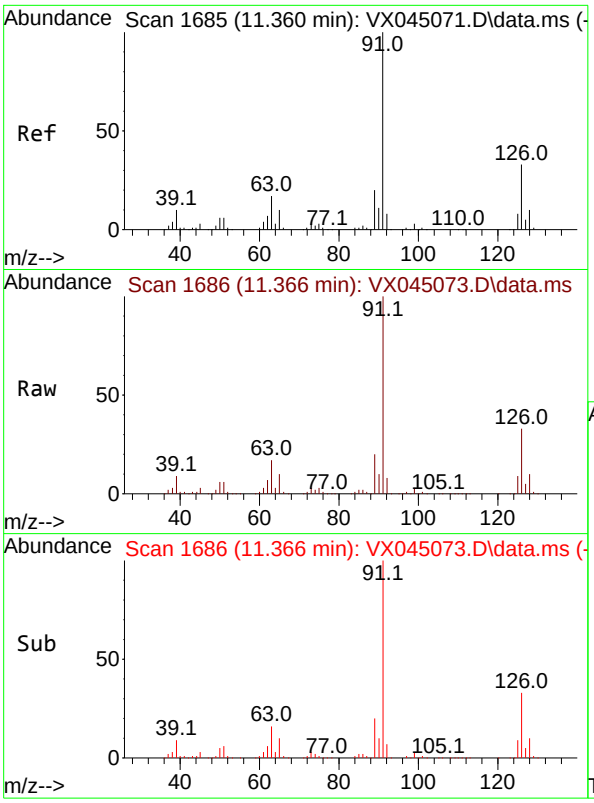


#78
n-propylbenzene
Concen: 146.395 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 91 Resp: 923593

Ion	Ratio	Lower	Upper
91	100		
120	21.8	11.2	33.6

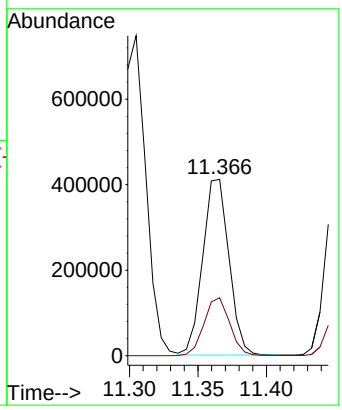




#79
2-Chlorotoluene
Concen: 141.695 ug/l
RT: 11.366 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 91 Resp: 54869

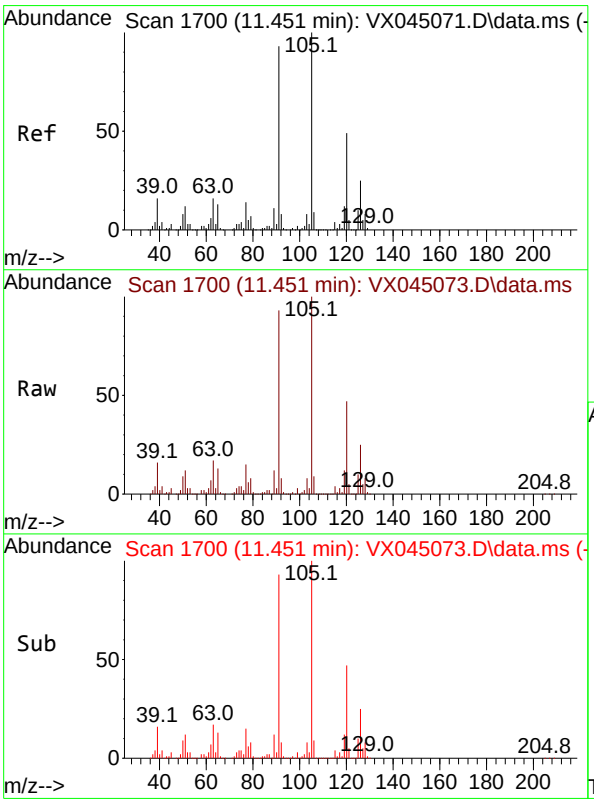
Ion	Ratio	Lower	Upper
91	100		
126	32.4	16.4	49.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

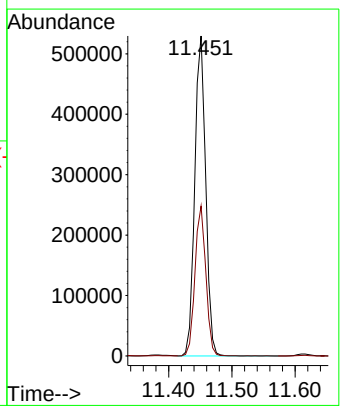
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

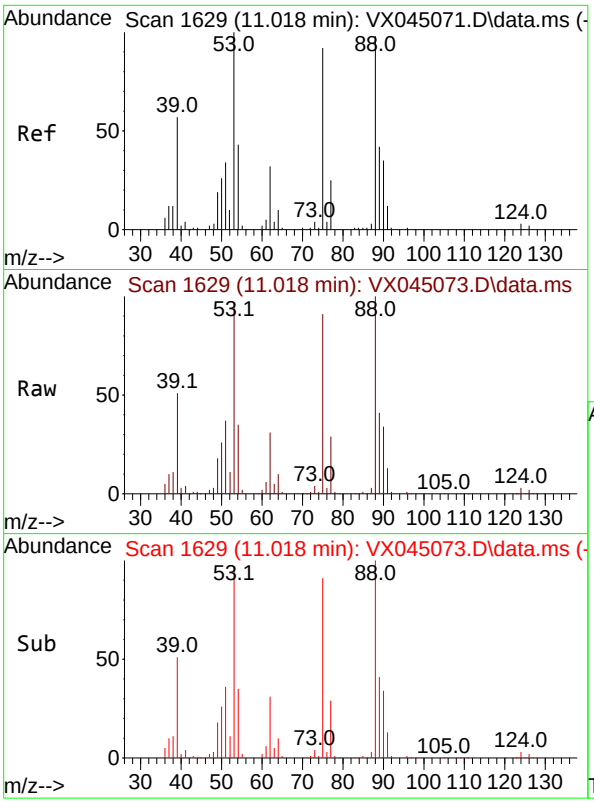


#80
1,3,5-Trimethylbenzene
Concen: 143.293 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:105 Resp: 635832

Ion	Ratio	Lower	Upper
105	100		
120	46.7	24.1	72.2

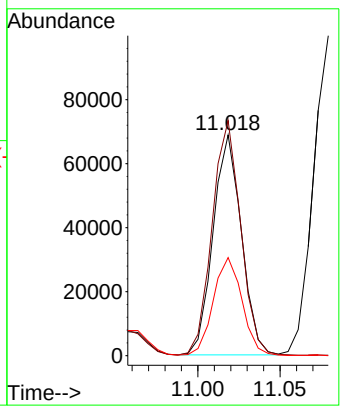




#81
trans-1,4-Dichloro-2-butene
Concen: 147.761 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 75 Resp: 8226

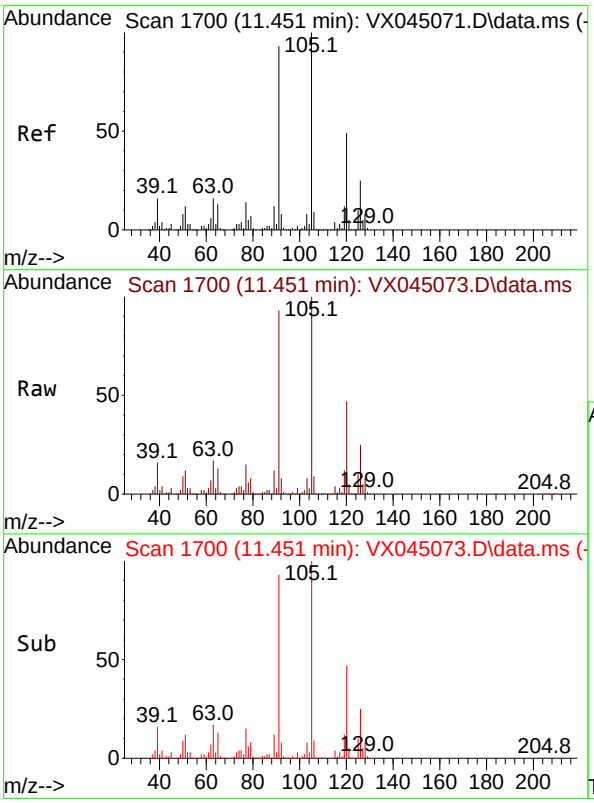
Ion	Ratio	Lower	Upper
75	100		
53	107.7	88.5	132.7
89	45.2	36.2	54.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

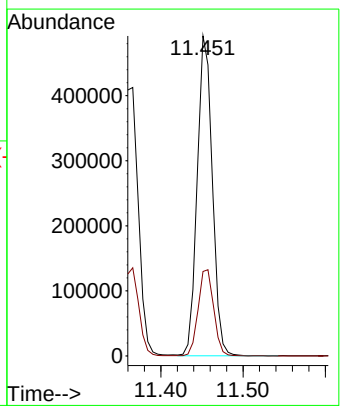
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

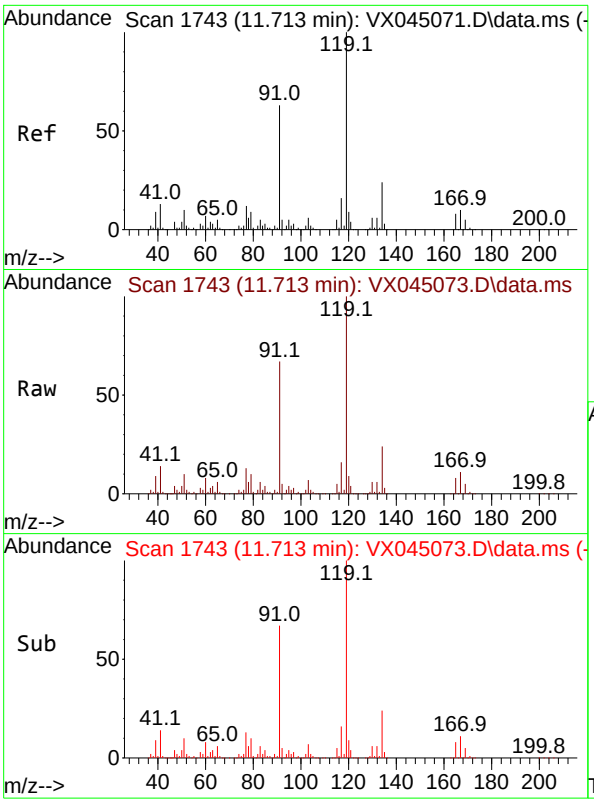


#82
4-Chlorotoluene
Concen: 146.464 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 91 Resp: 627816

Ion	Ratio	Lower	Upper
91	100		
126	27.8	14.1	42.4

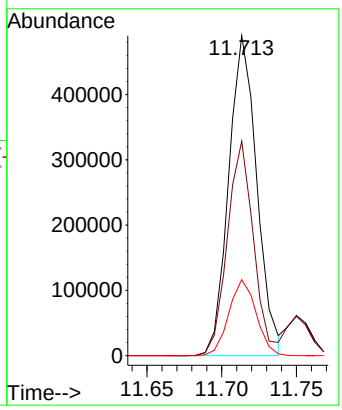




#83
tert-Butylbenzene
Concen: 142.974 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:119 Resp: 64171

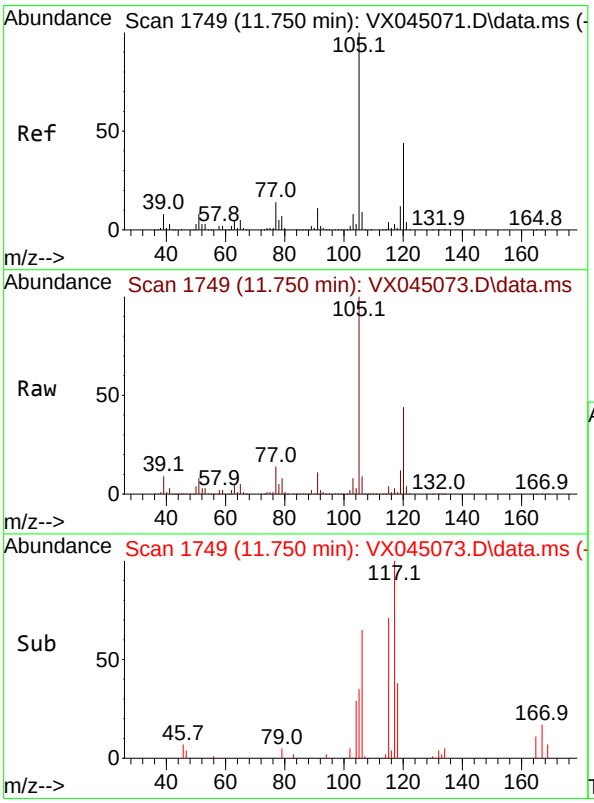
Ion	Ratio	Lower	Upper
119	100		
91	62.5	30.7	92.1
134	23.0	11.7	35.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

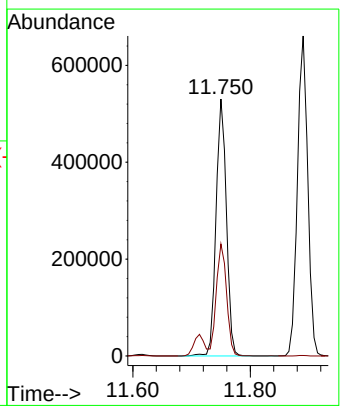
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

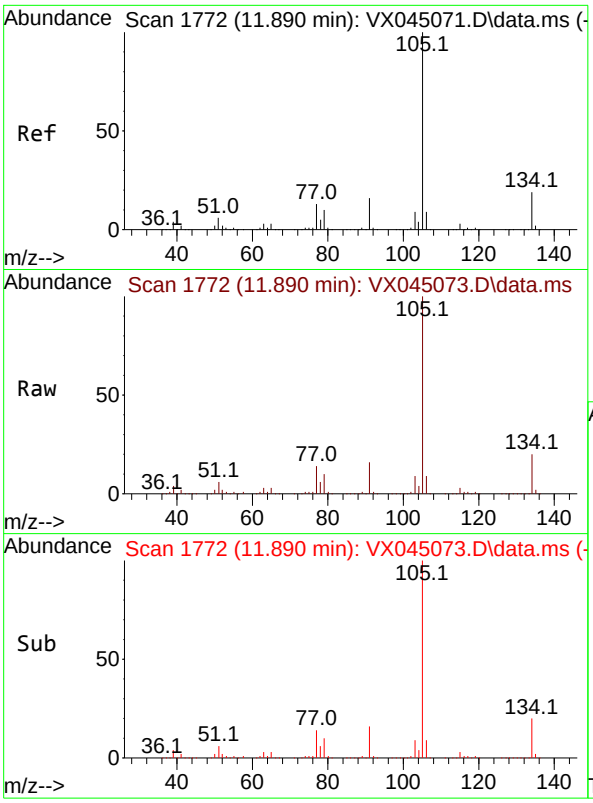


#84
1,2,4-Trimethylbenzene
Concen: 148.135 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

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

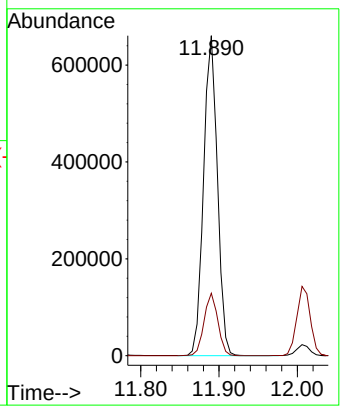
Tgt Ion:105 Resp: 80771

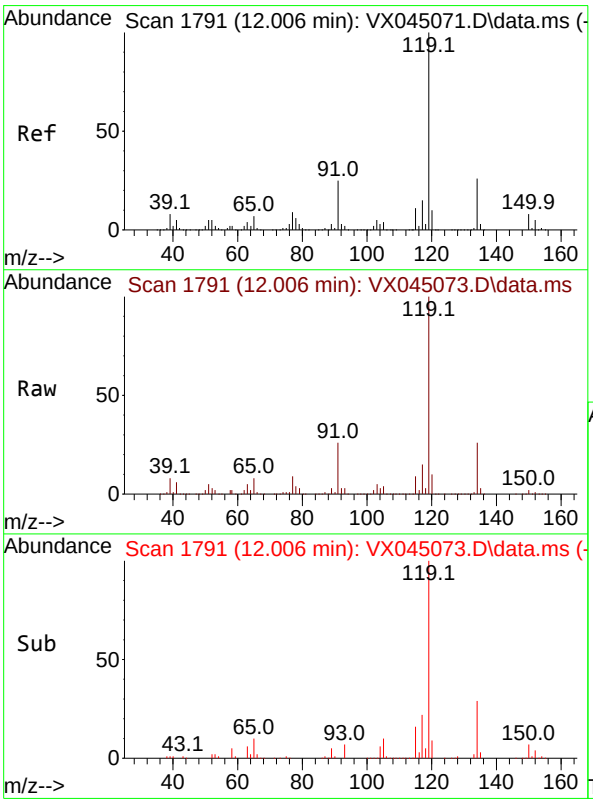
Ion	Ratio	Lower	Upper
105	100		
134	19.4	9.8	29.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

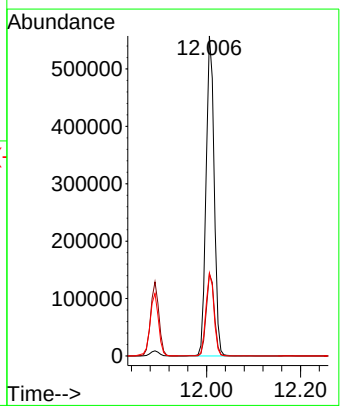


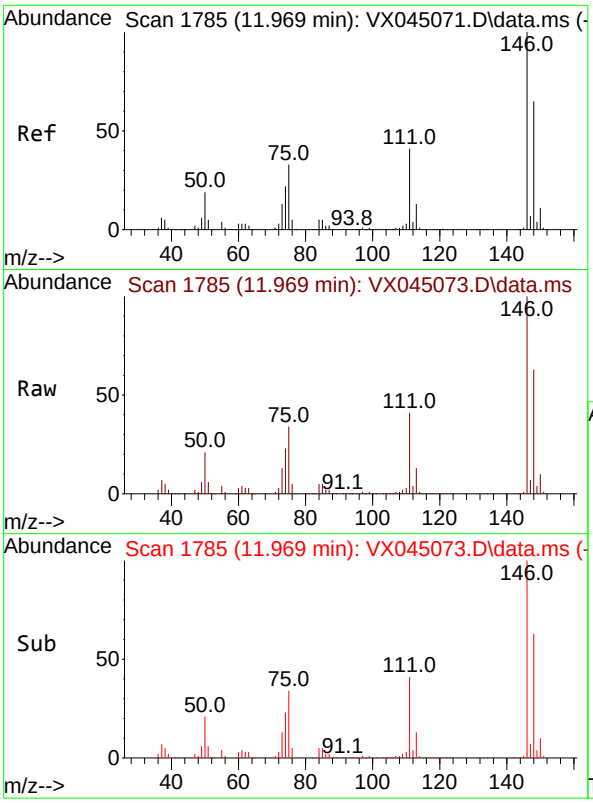


#86
p-Isopropyltoluene
Concen: 149.075 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

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

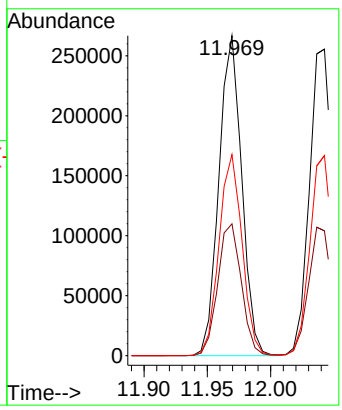




#87
1,3-Dichlorobenzene
Concen: 147.488 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:146 Resp: 33475

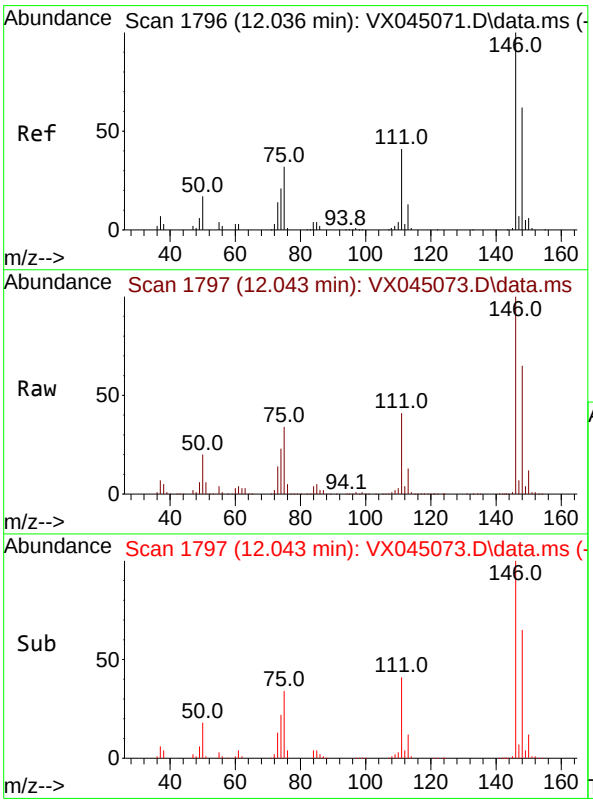
Ion	Ratio	Lower	Upper
146	100		
111	42.7	21.1	63.4
148	63.6	31.9	95.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

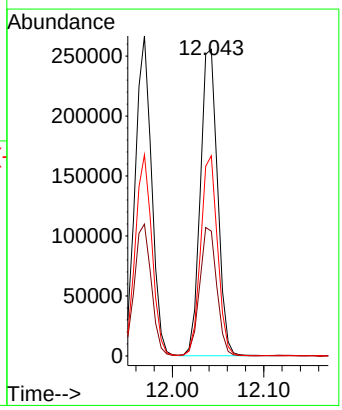
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

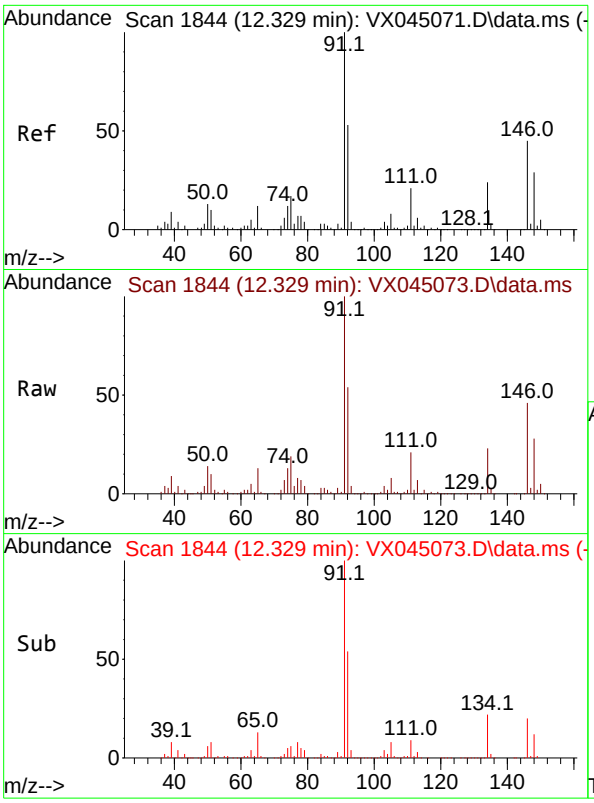


#88
1,4-Dichlorobenzene
Concen: 145.189 ug/l
RT: 12.043 min Scan# 1797
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

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

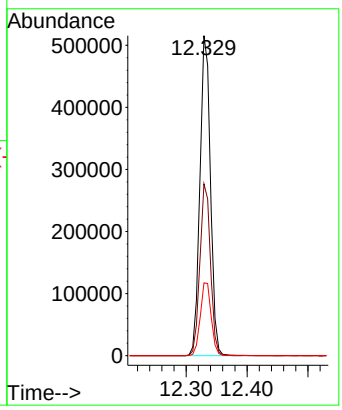




#89
n-Butylbenzene
Concen: 158.324 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 91 Resp: 62075

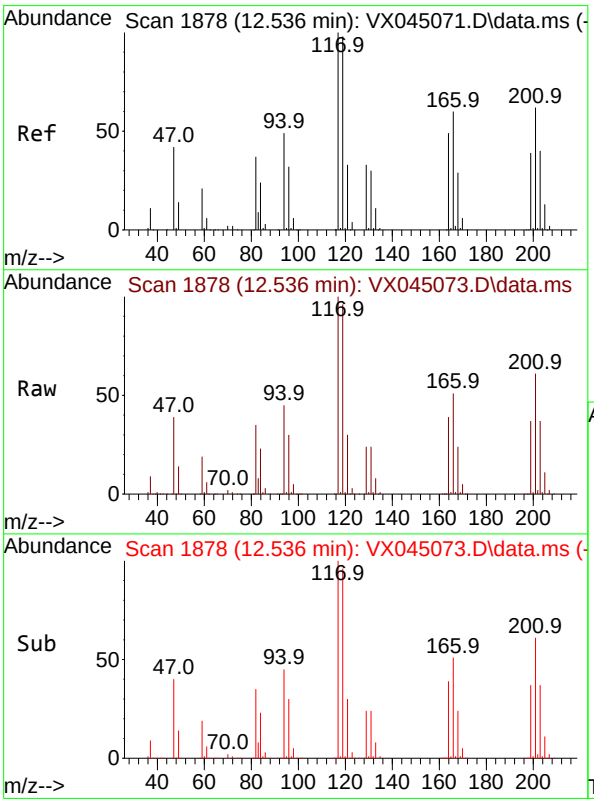
Ion	Ratio	Lower	Upper
91	100		
92	53.9	26.7	80.0
134	23.6	12.2	36.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

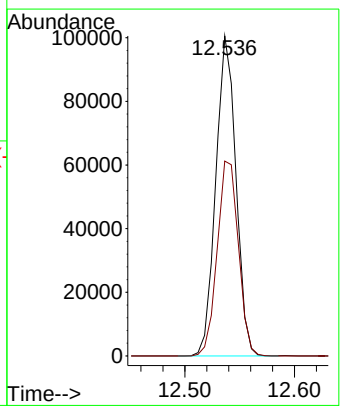
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

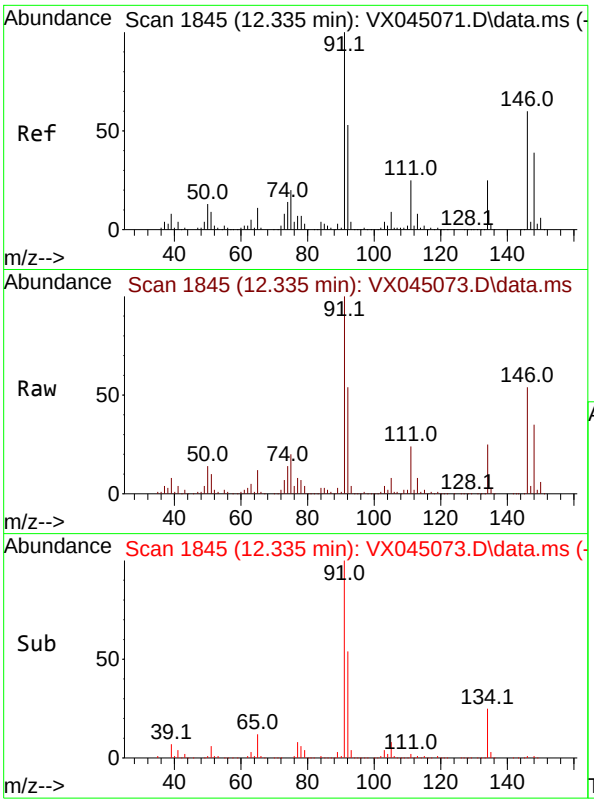


#90
Hexachloroethane
Concen: 154.554 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:117 Resp: 128582

Ion	Ratio	Lower	Upper
117	100		
201	64.2	31.9	95.9

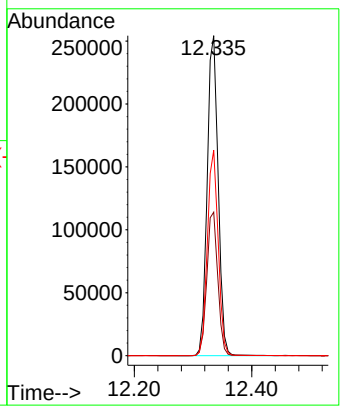




#91
1,2-Dichlorobenzene
Concen: 147.436 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:146 Resp: 32931

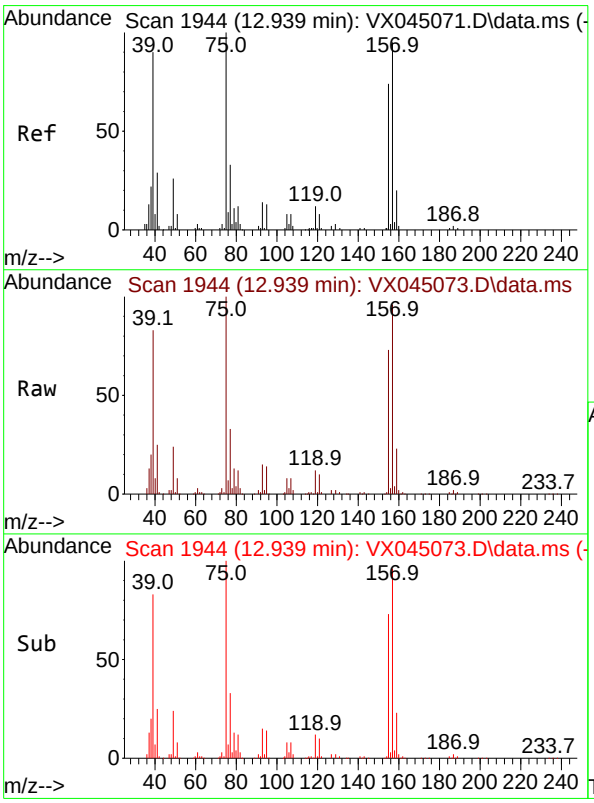
Ion	Ratio	Lower	Upper
146	100		
111	44.9	21.6	65.0
148	63.4	31.9	95.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

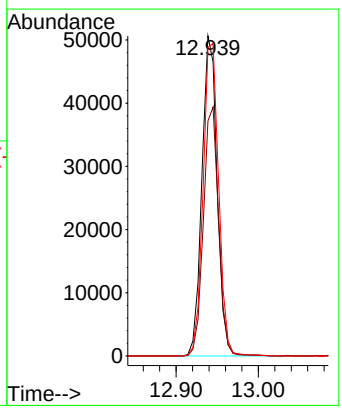
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

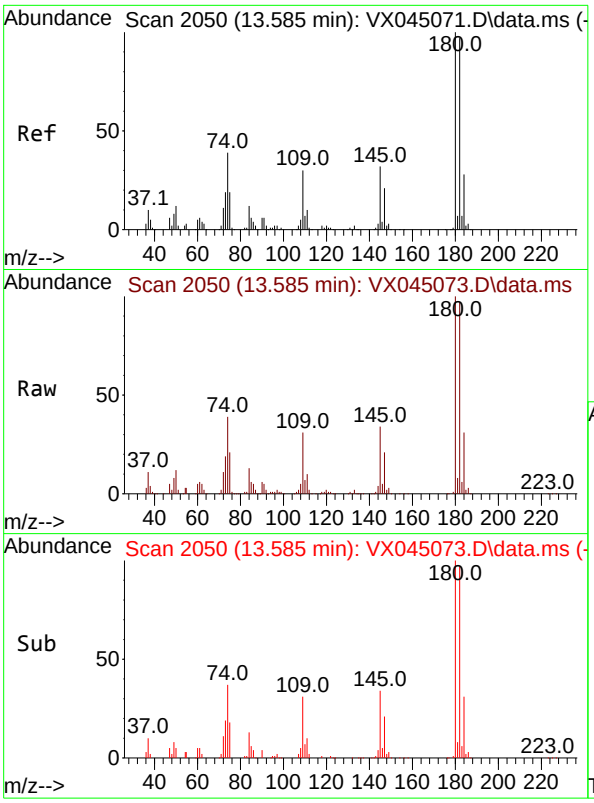


#92
1,2-Dibromo-3-Chloropropane
Concen: 186.240 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

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

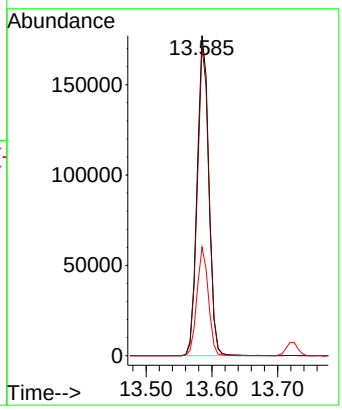
Tgt Ion:180 Resp: 21931

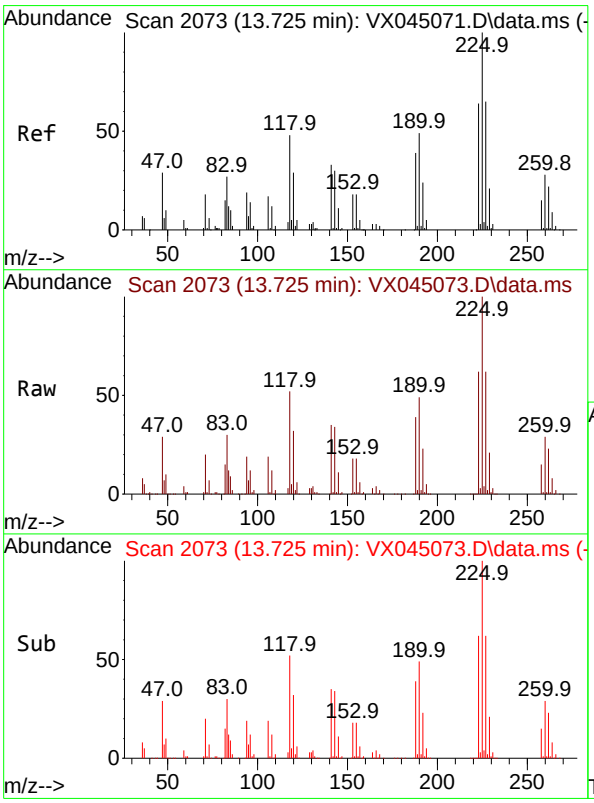
Ion	Ratio	Lower	Upper
180	100		
182	95.6	47.3	141.9
145	32.9	16.3	48.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

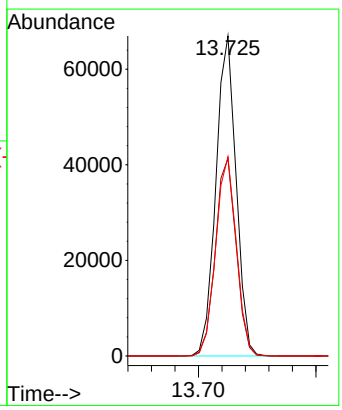


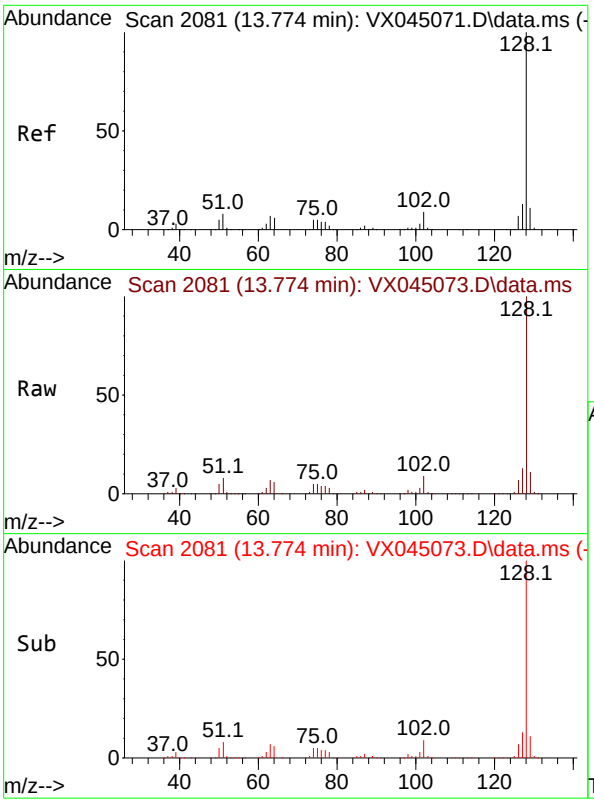


#94
Hexachlorobutadiene
Concen: 149.034 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

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

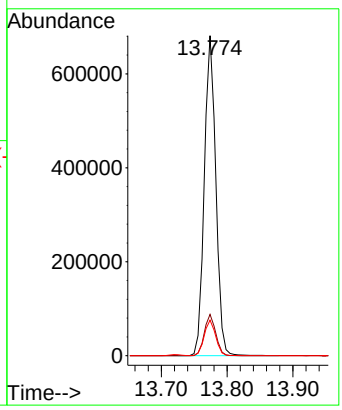




#95
Naphthalene
Concen: 168.538 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:128 Resp: 82894

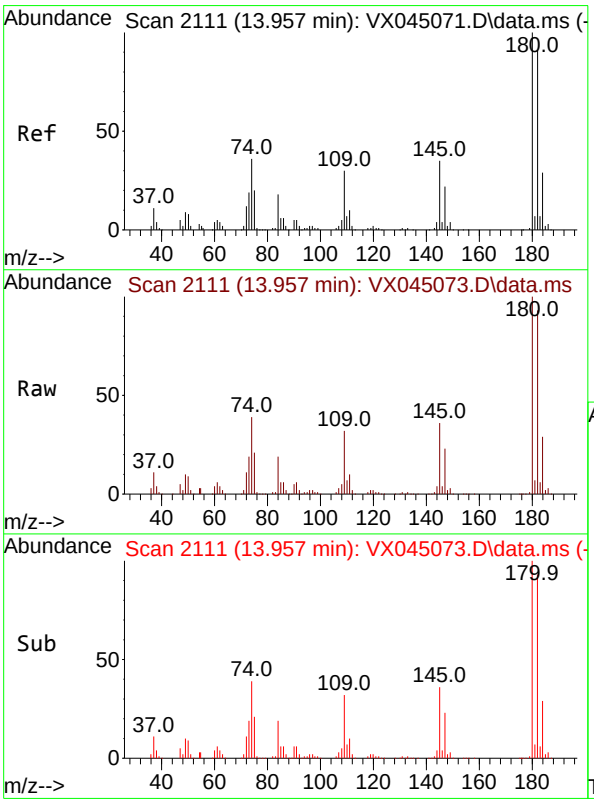
Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.3	15.5
129	11.1	8.7	13.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

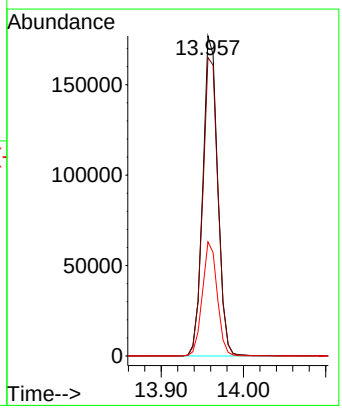
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#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



Quantitation Report (QT 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

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)
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

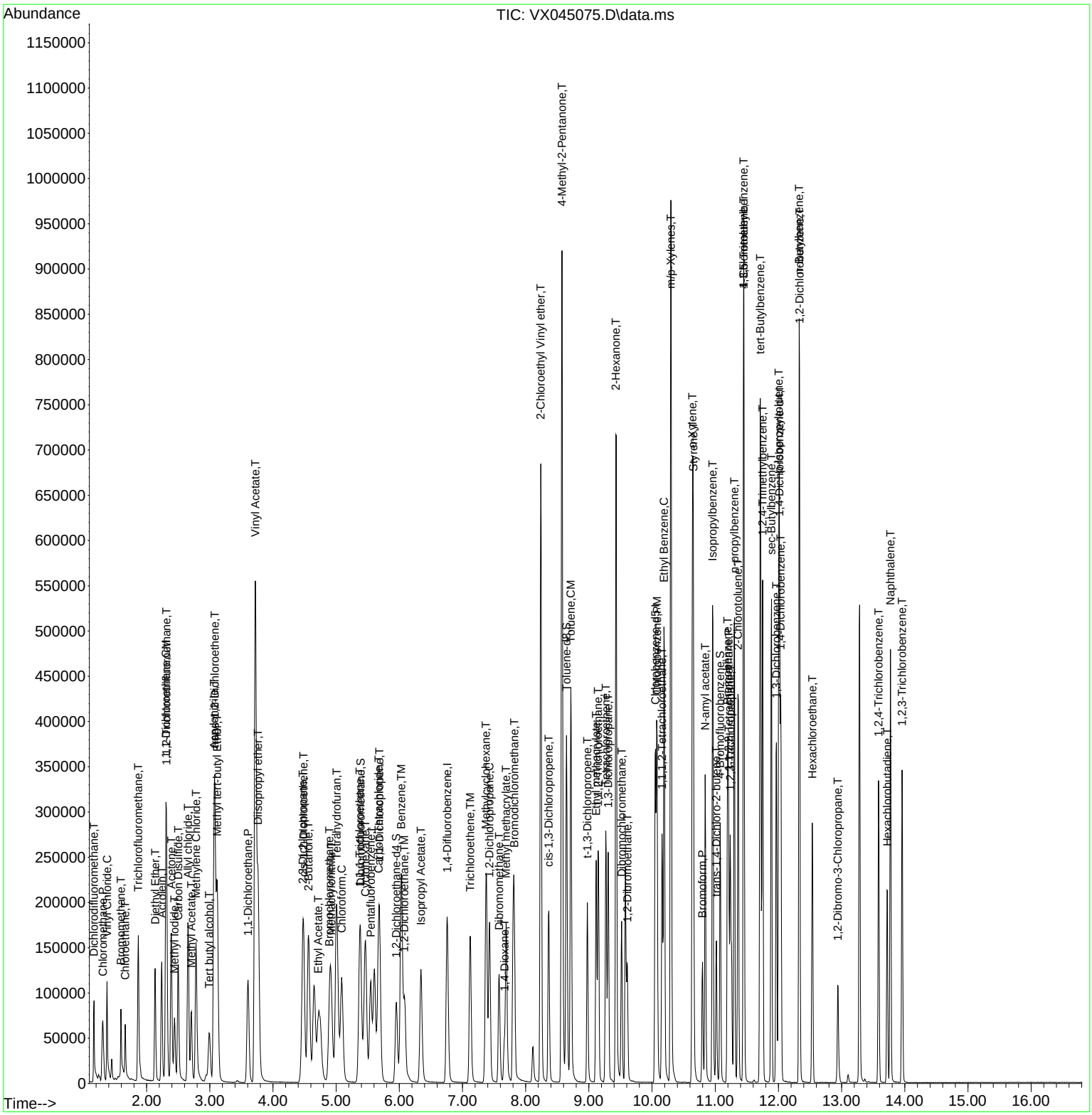
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045075.D
Acq On : 28 Feb 2025 04:33
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

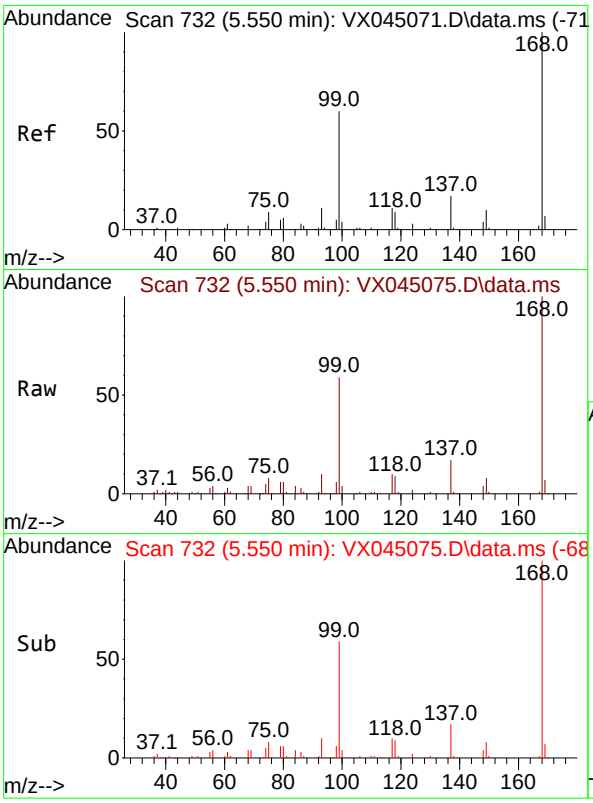
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Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

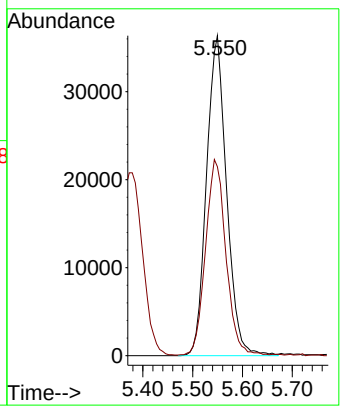




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:168 Resp: 10160

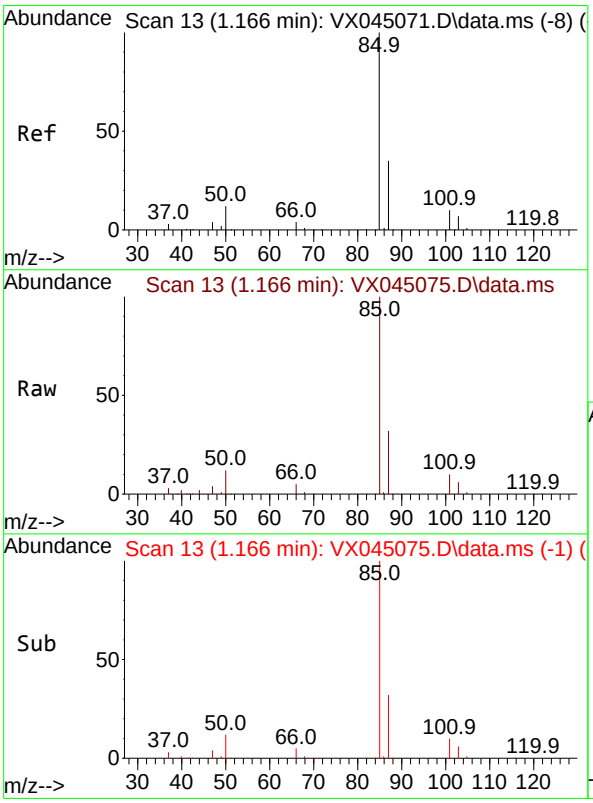
Ion	Ratio	Lower	Upper
168	100		
99	58.9	48.2	72.4



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations APPROVED

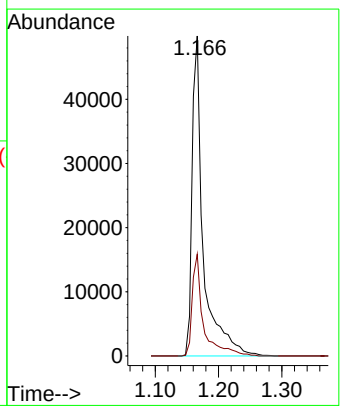
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

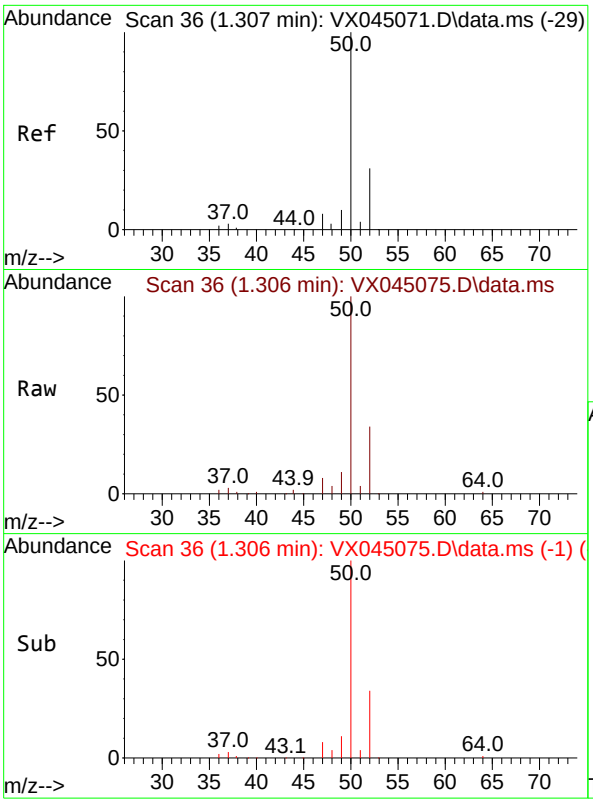


#2
Dichlorodifluoromethane
Concen: 47.933 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 85 Resp: 61303

Ion	Ratio	Lower	Upper
85	100		
87	31.8	17.4	52.3

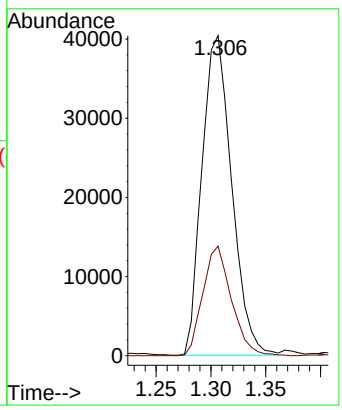




#3
Chloromethane
Concen: 48.696 ug/l
RT: 1.306 min Scan# 3(
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 50 Resp: 7621(

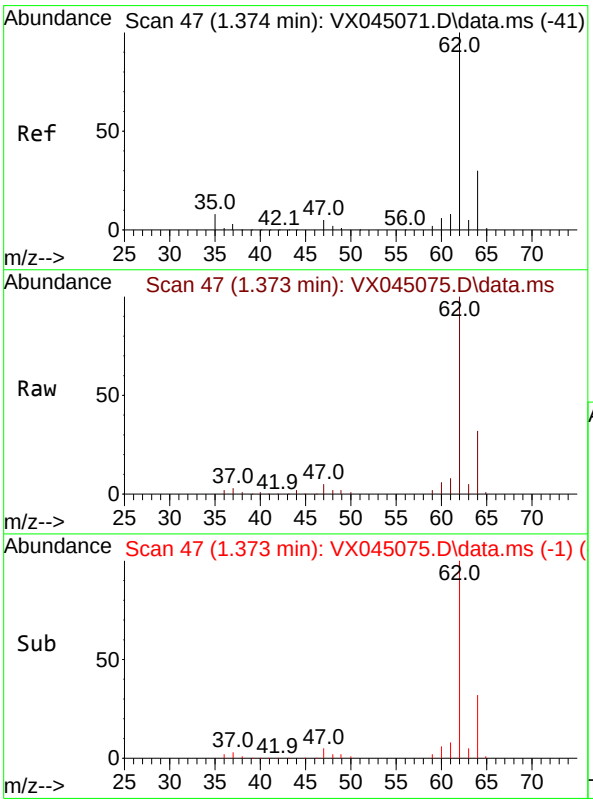
Ion	Ratio	Lower	Upper
50	100		
52	34.3	25.0	37.4



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations
APPROVED

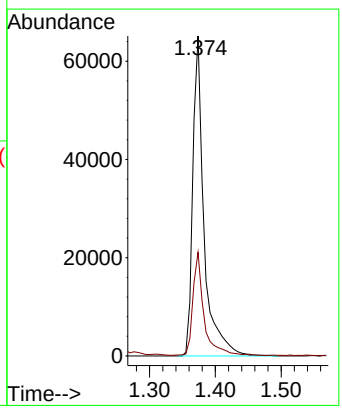
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

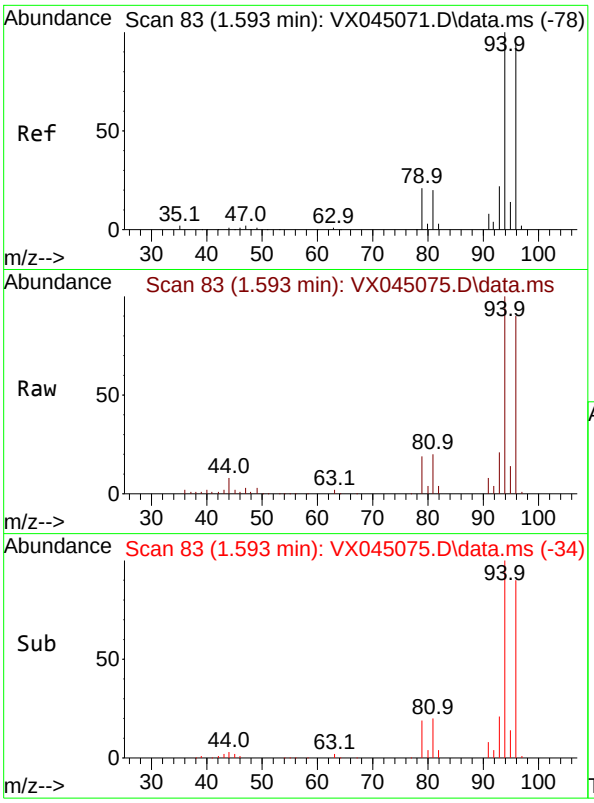


#4
Vinyl Chloride
Concen: 49.529 ug/l
RT: 1.373 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 62 Resp: 76901

Ion	Ratio	Lower	Upper
62	100		
64	32.2	24.3	36.5

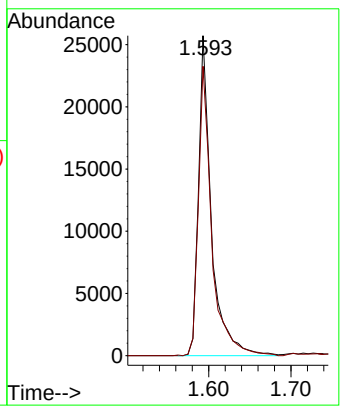




#5
Bromomethane
Concen: 46.190 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 94 Resp: 2819

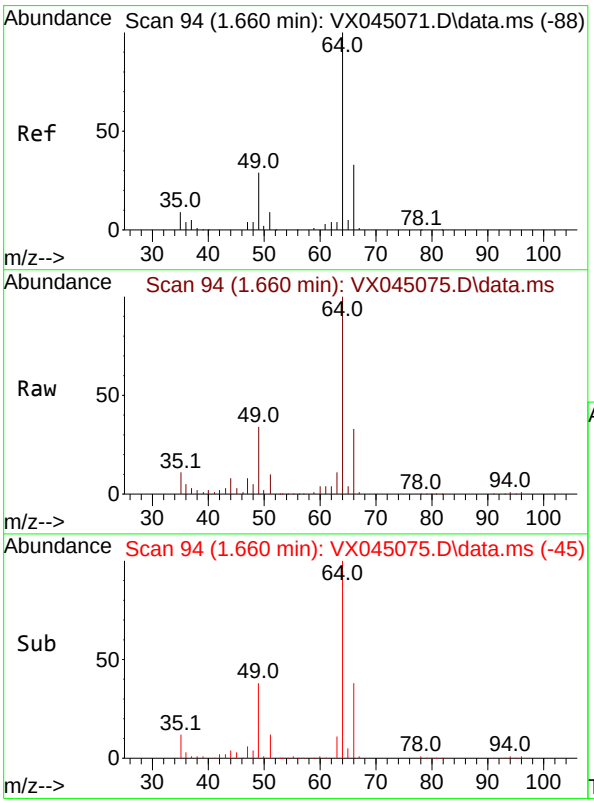
Ion	Ratio	Lower	Upper
94	100		
96	90.5	75.0	112.4



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations
APPROVED

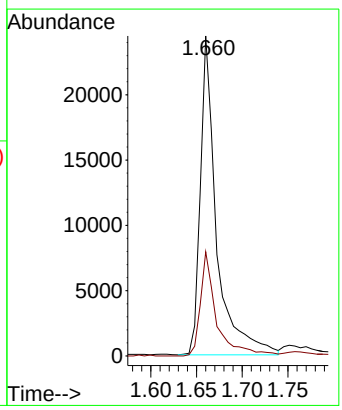
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

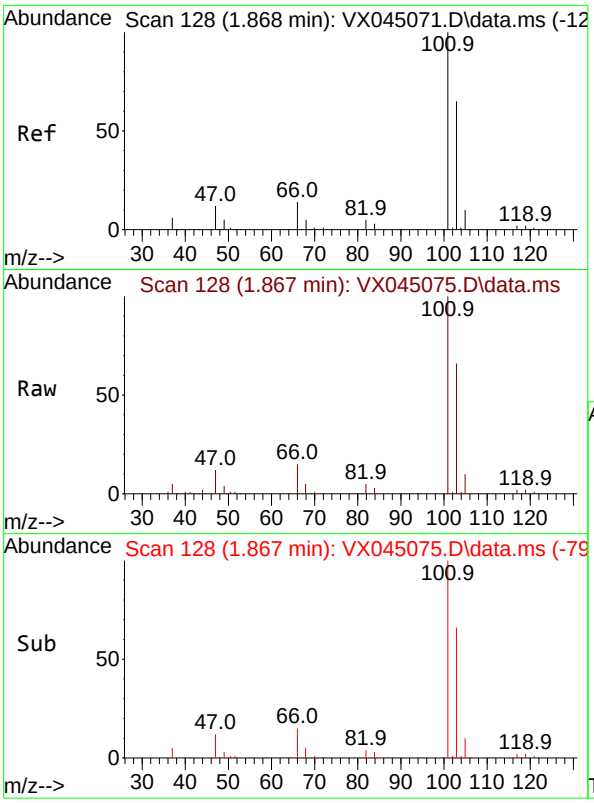


#6
Chloroethane
Concen: 41.948 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 64 Resp: 30042

Ion	Ratio	Lower	Upper
64	100		
66	32.6	26.7	40.1

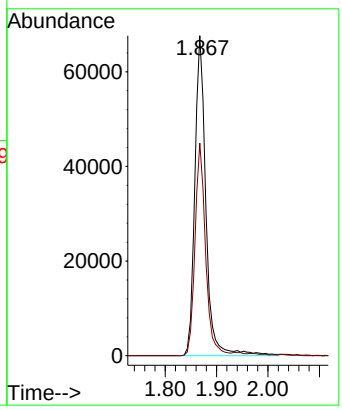




#7
Trichlorofluoromethane
Concen: 49.569 ug/l
RT: 1.867 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:101 Resp: 10188

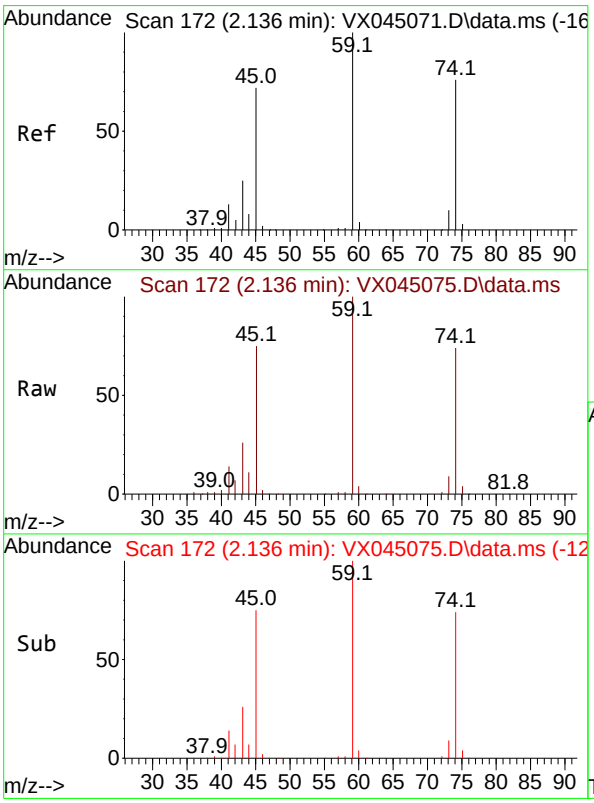
Ion	Ratio	Lower	Upper
101	100		
103	66.4	52.1	78.1



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations APPROVED

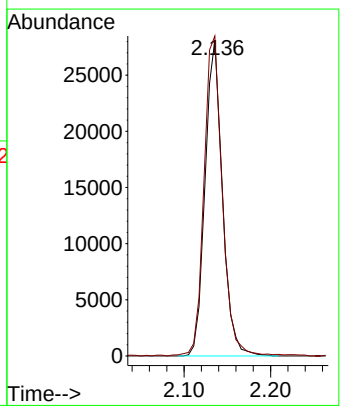
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

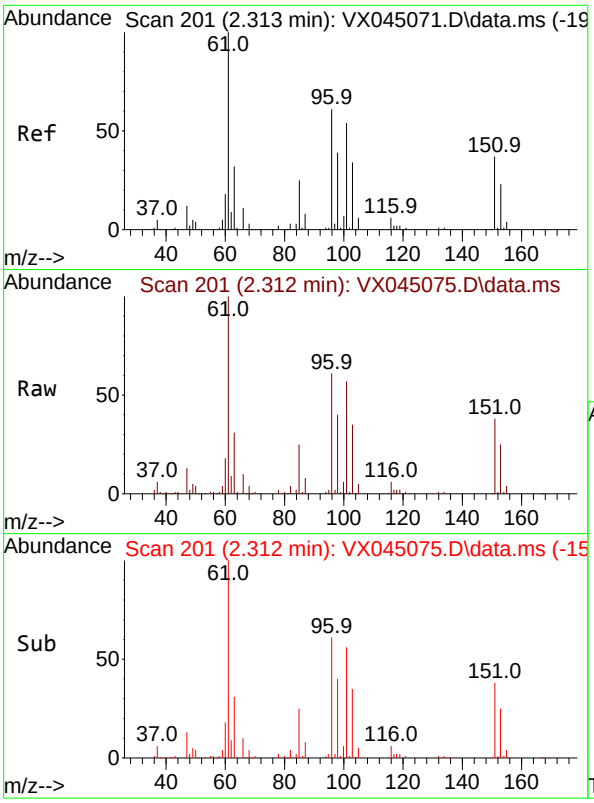


#8
Diethyl Ether
Concen: 48.651 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 74 Resp: 39113

Ion	Ratio	Lower	Upper
74	100		
45	107.2	51.5	154.5

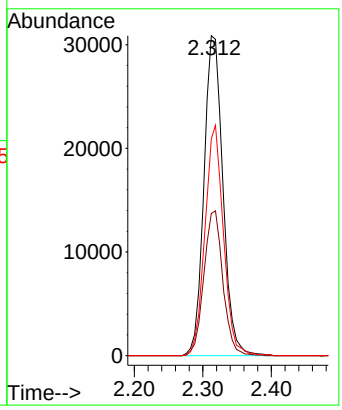




#9
1,1,2-Trichlorotrifluoroethane
Concen: 50.367 ug/l
RT: 2.312 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:101 Resp: 5947

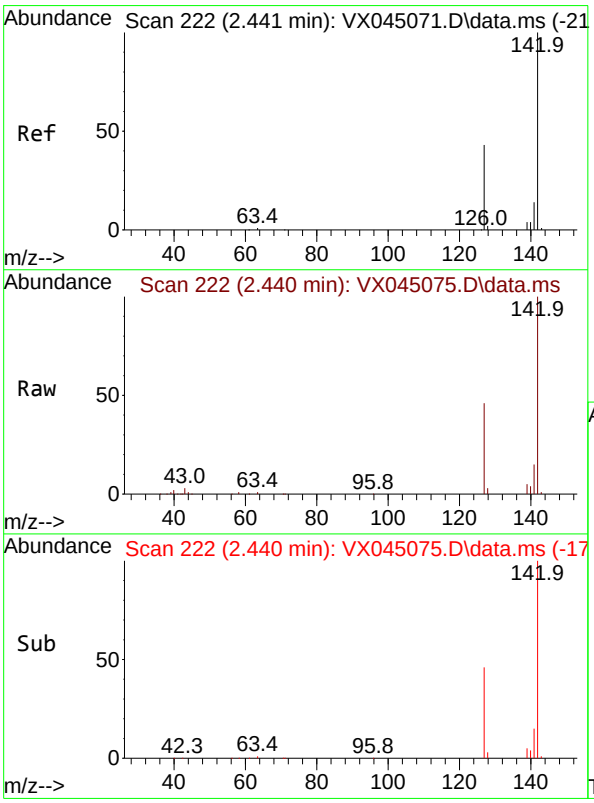
Ion	Ratio	Lower	Upper
101	100		
85	45.4	36.2	54.4
151	70.2	56.4	84.6



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations
APPROVED

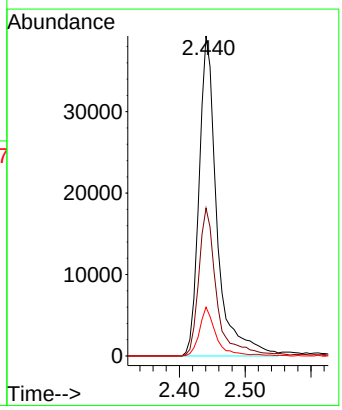
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

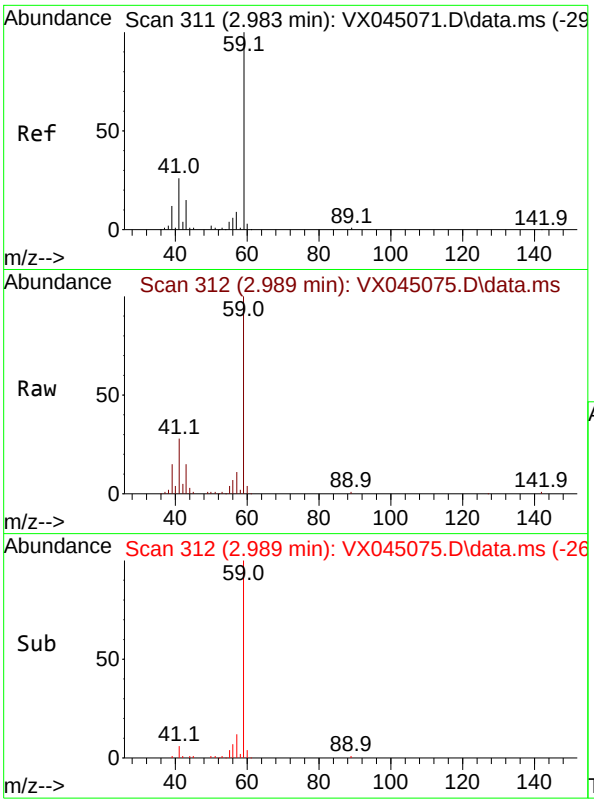


#10
Methyl Iodide
Concen: 50.541 ug/l
RT: 2.440 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

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

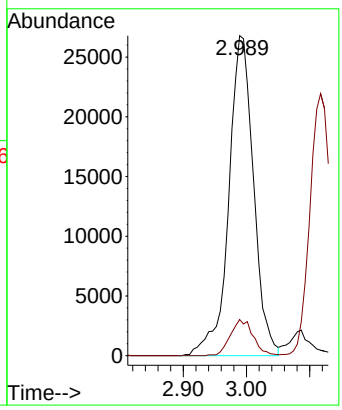




#11
Tert butyl alcohol
Concen: 238.577 ug/l
RT: 2.989 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 59 Resp: 7303

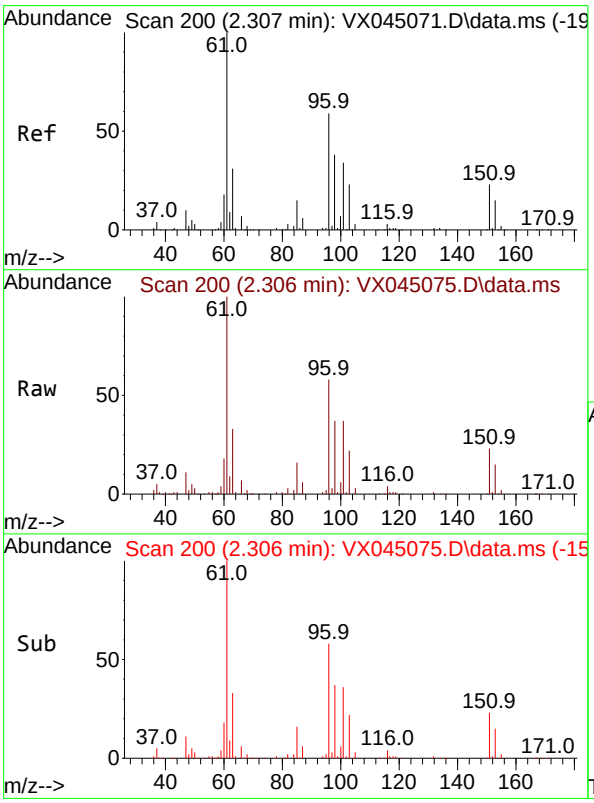
Ion	Ratio	Lower	Upper
59	100		
57	10.4	7.8	11.8



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations APPROVED

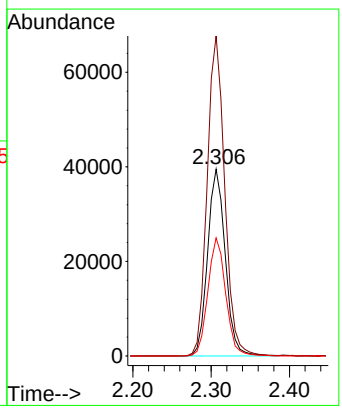
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

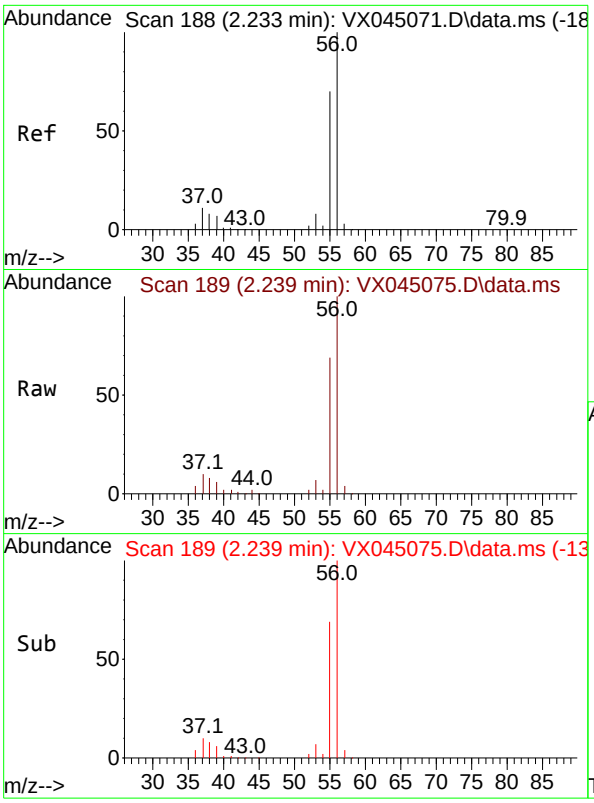


#12
1,1-Dichloroethene
Concen: 49.568 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

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

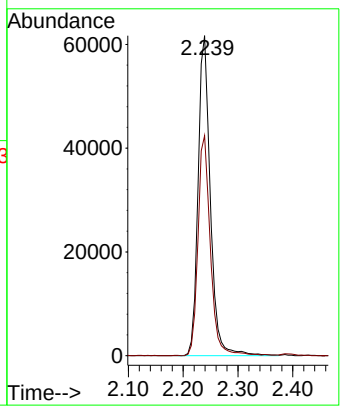




#13
Acrolein
Concen: 271.255 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 56 Resp: 9598

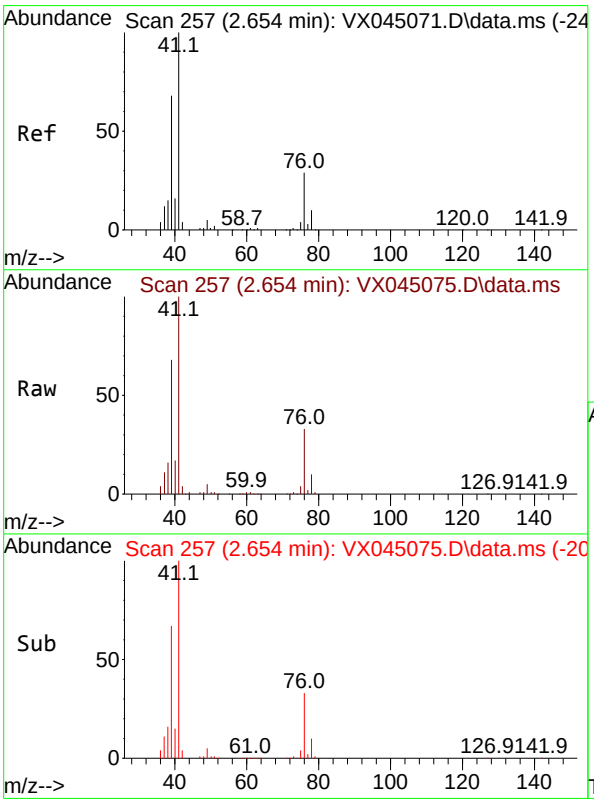
Ion	Ratio	Lower	Upper
56	100		
55	69.5	56.2	84.4



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations
APPROVED

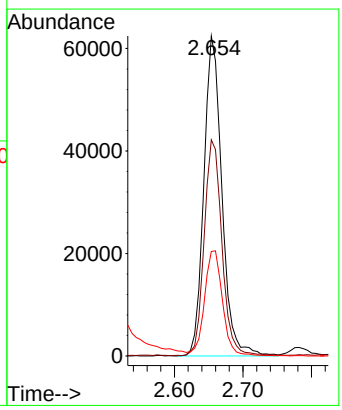
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

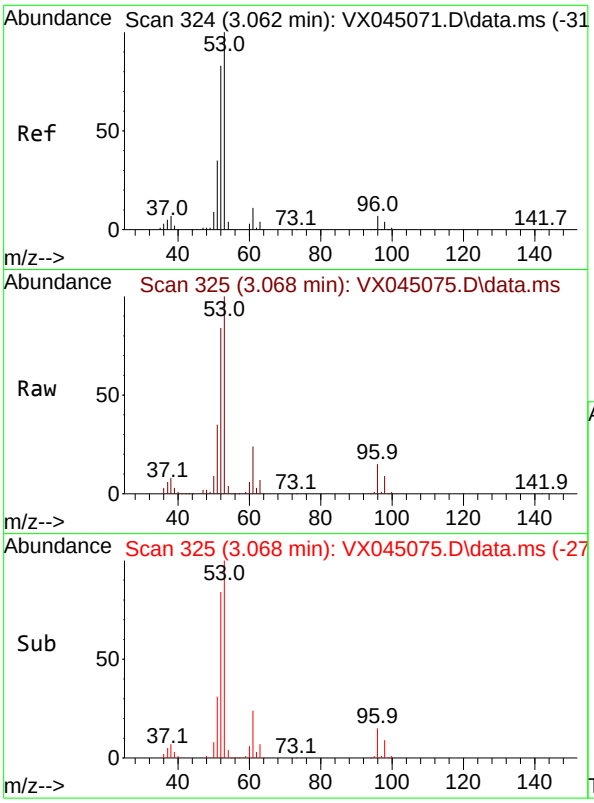


#14
Allyl chloride
Concen: 51.691 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

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

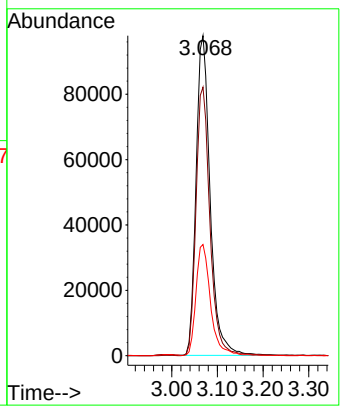




#15
Acrylonitrile
Concen: 255.479 ug/l
RT: 3.068 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 53 Resp: 20960

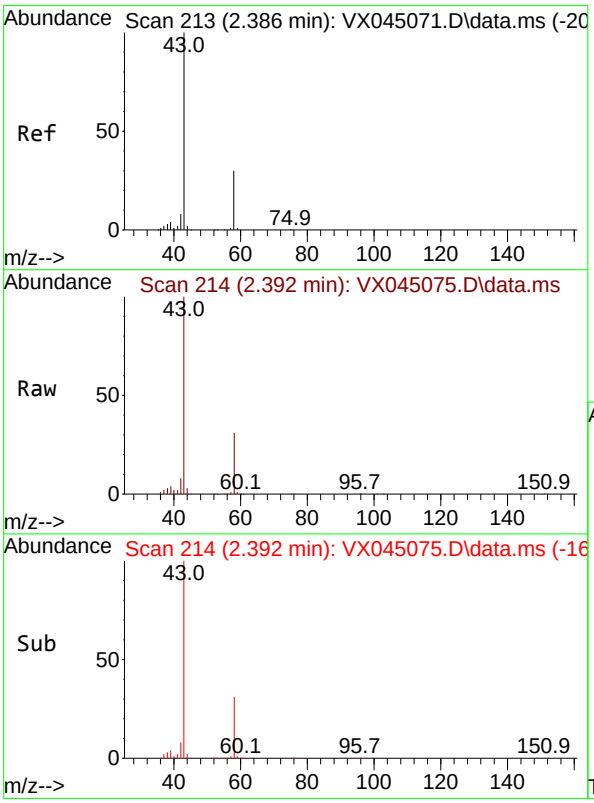
Ion	Ratio	Lower	Upper
53	100		
52	83.8	66.2	99.2
51	35.8	29.0	43.4



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations APPROVED

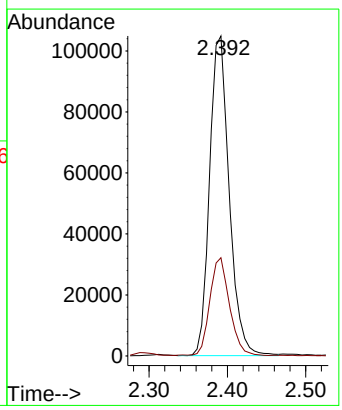
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

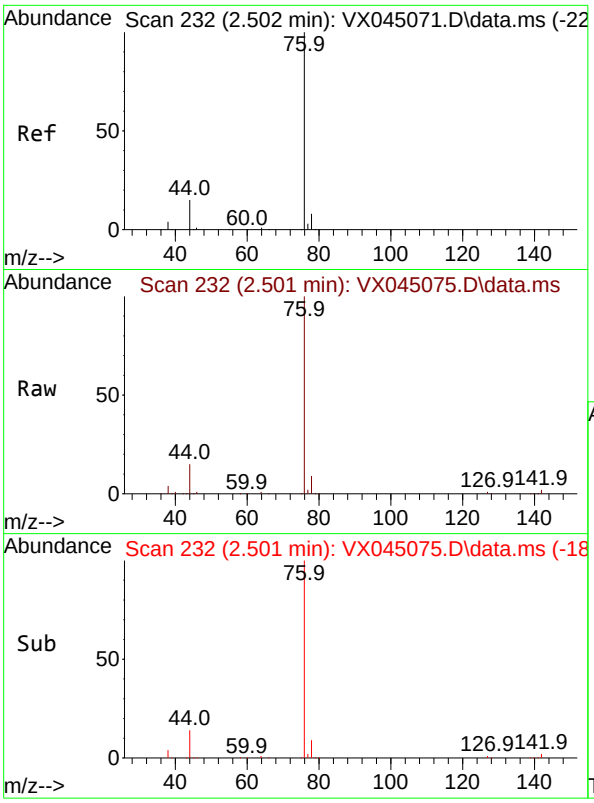


#16
Acetone
Concen: 242.877 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 43 Resp: 182119

Ion	Ratio	Lower	Upper
43	100		
58	30.5	24.2	36.4

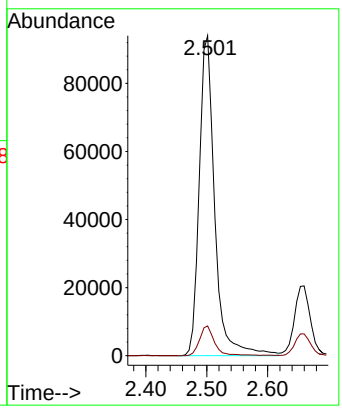




#17
Carbon Disulfide
Concen: 49.952 ug/l
RT: 2.501 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 76 Resp: 16610

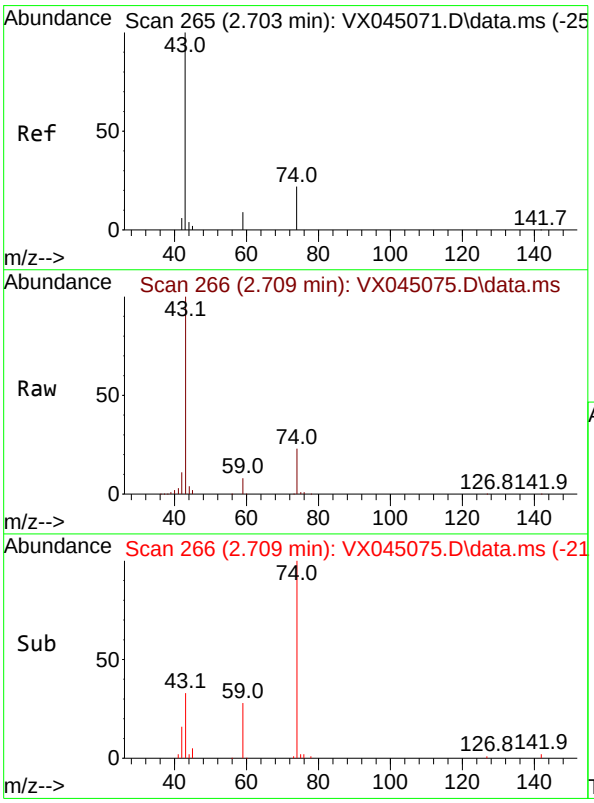
Ion	Ratio	Lower	Upper
76	100		
78	9.3	6.6	9.8



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations APPROVED

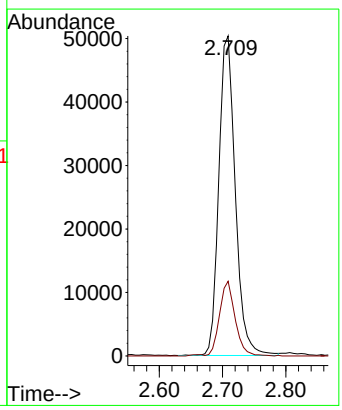
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

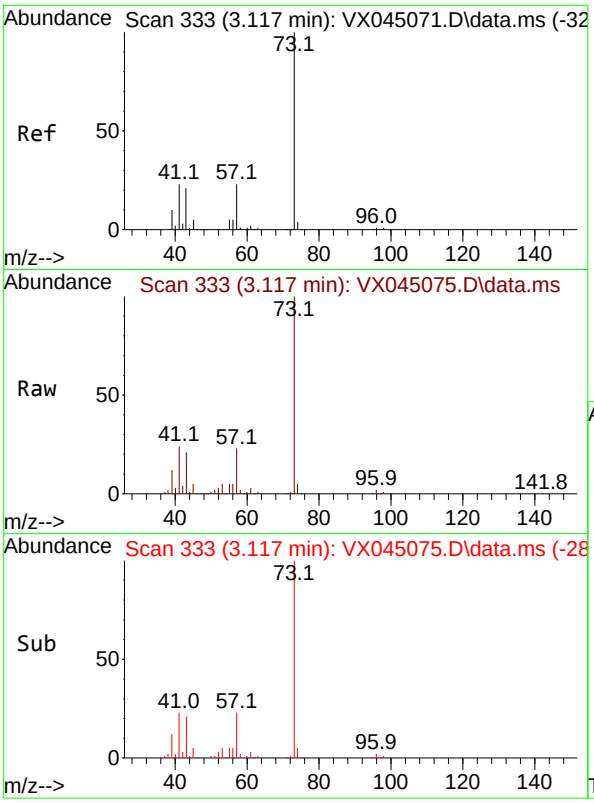


#18
Methyl Acetate
Concen: 50.312 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 43 Resp: 90756

Ion	Ratio	Lower	Upper
43	100		
74	22.1	17.4	26.2

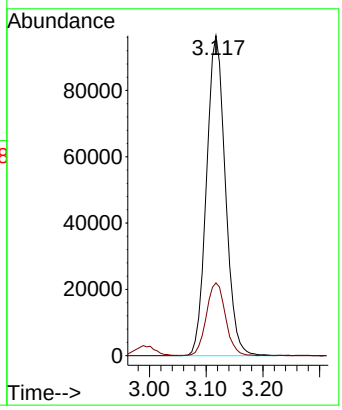




#19
Methyl tert-butyl Ether
Concen: 53.114 ug/l
RT: 3.117 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 73 Resp: 22247

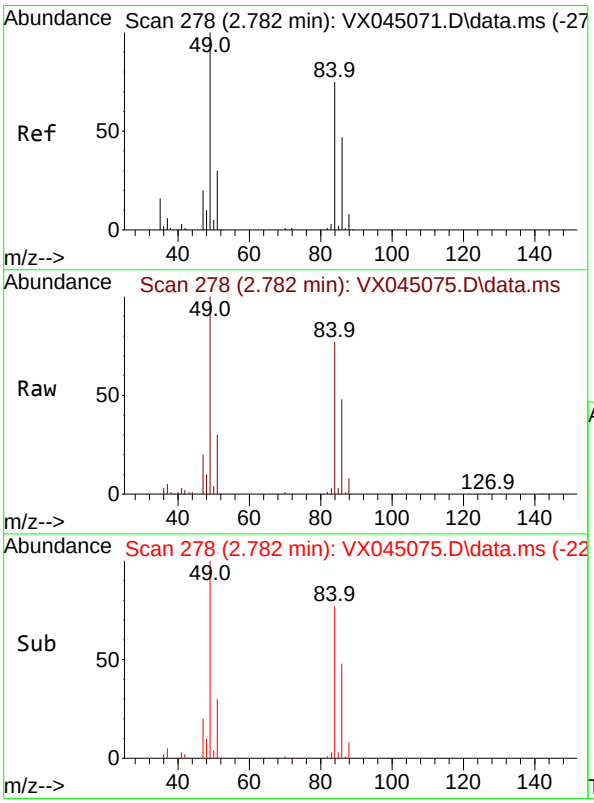
Ion	Ratio	Lower	Upper
73	100		
57	22.7	18.5	27.7



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations
APPROVED

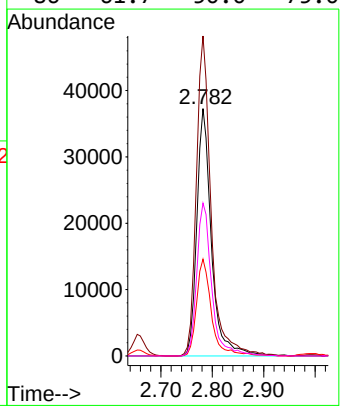
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

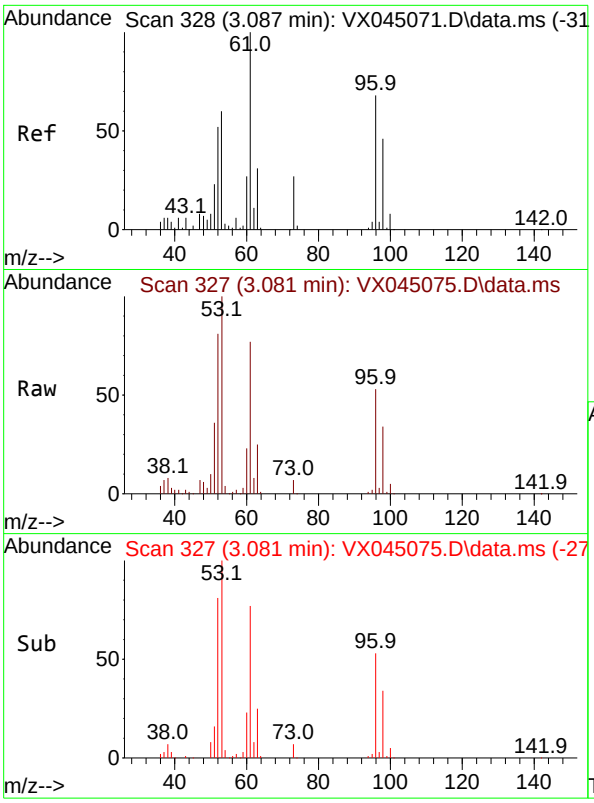


#20
Methylene Chloride
Concen: 49.639 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

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

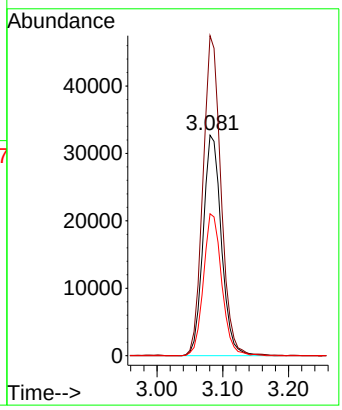




#21
trans-1,2-Dichloroethene
Concen: 51.172 ug/l
RT: 3.081 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 96 Resp: 6311

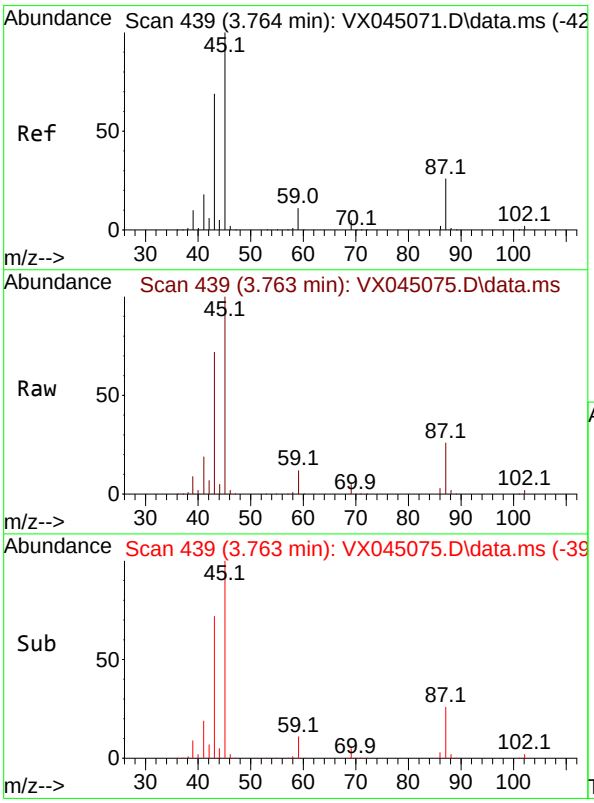
Ion	Ratio	Lower	Upper
96	100		
61	145.2	117.0	175.4
98	64.4	53.4	80.2



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations
APPROVED

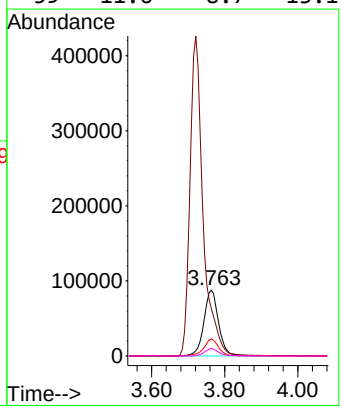
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

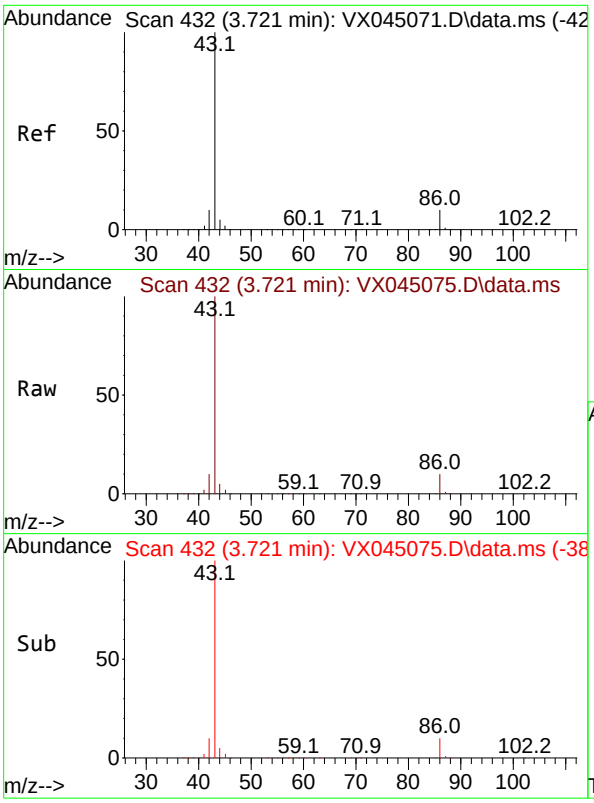


#22
Diisopropyl ether
Concen: 53.955 ug/l
RT: 3.763 min Scan# 439
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

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

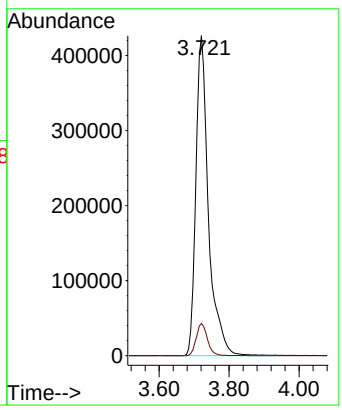




#23
Vinyl Acetate
Concen: 282.313 ug/l
RT: 3.721 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 43 Resp: 106481

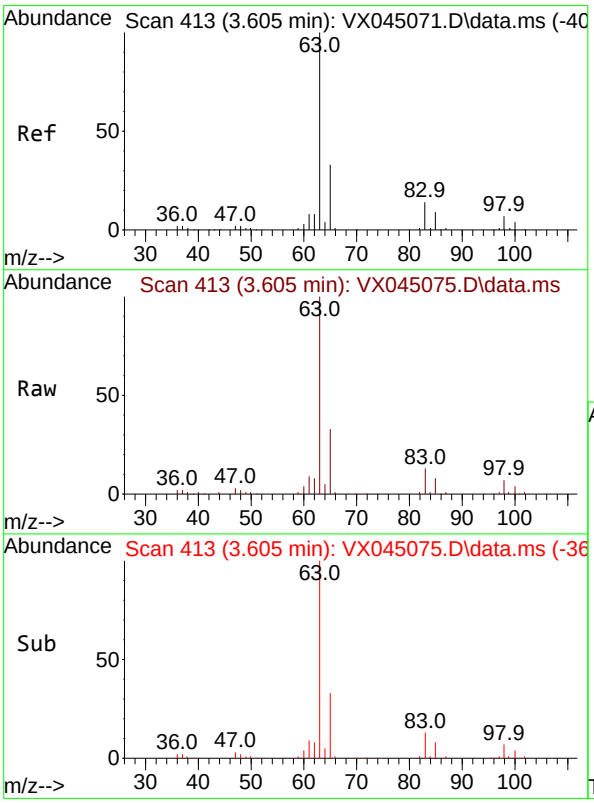
Ion	Ratio	Lower	Upper
43	100		
86	10.0	8.1	12.1



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations APPROVED

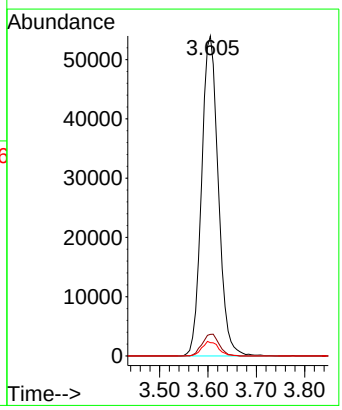
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

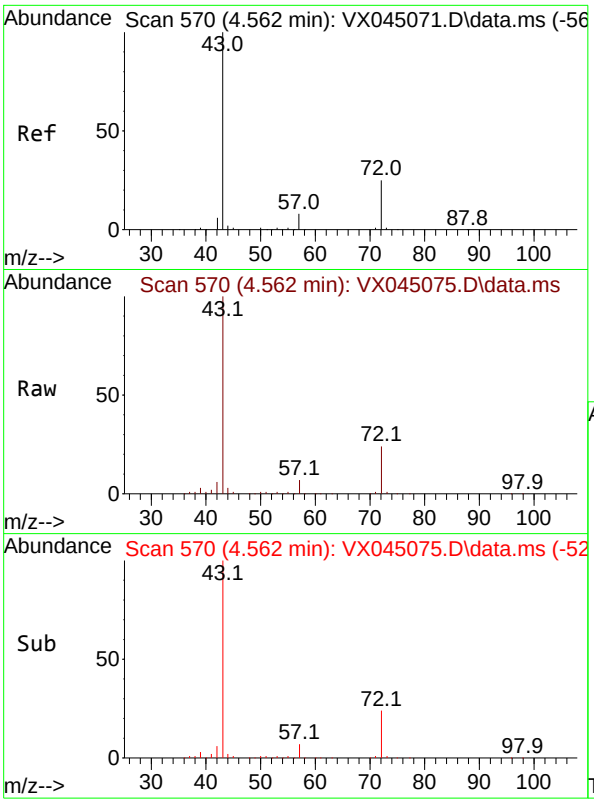


#24
1,1-Dichloroethane
Concen: 51.190 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

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

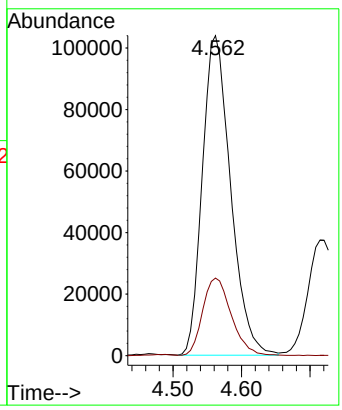
Tgt Ion: 43 Resp: 29802

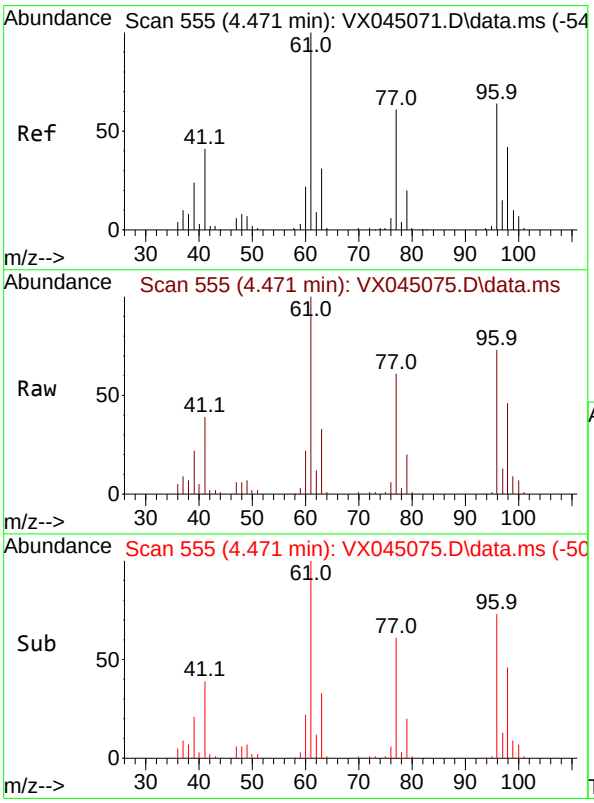
Ion	Ratio	Lower	Upper
43	100		
72	24.1	20.0	30.0

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

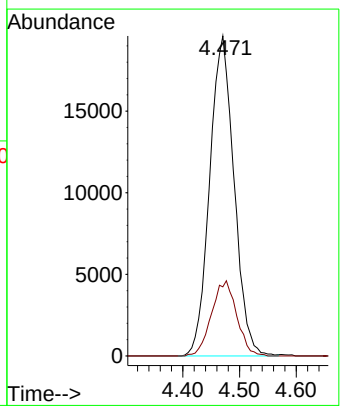


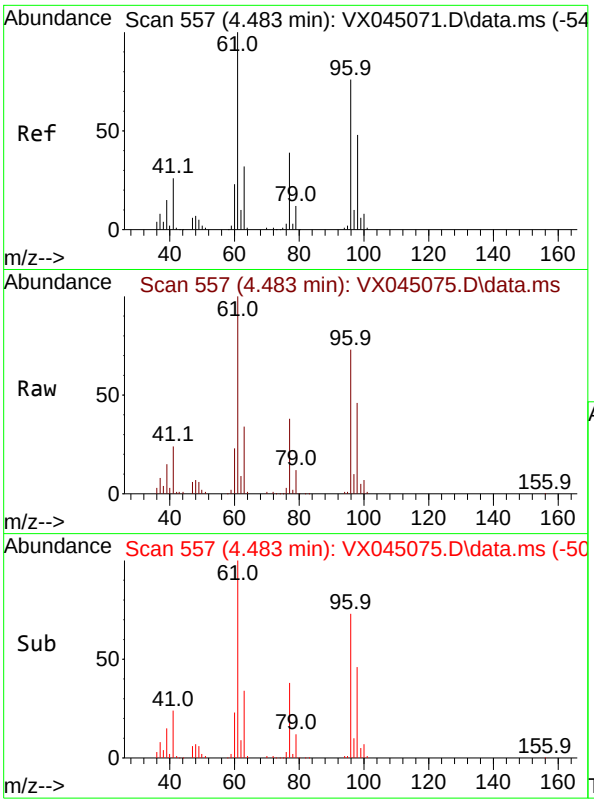


#26
2,2-Dichloropropane
Concen: 49.401 ug/l
RT: 4.471 min Scan# 555
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 77 Resp: 58694

Ion	Ratio	Lower	Upper
77	100		
97	24.2	12.4	37.0

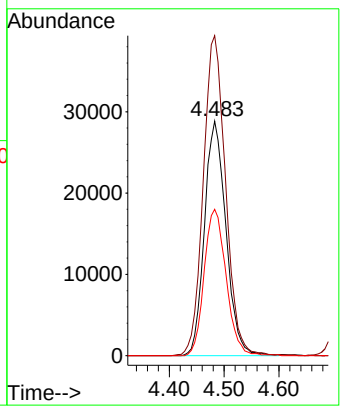




#27
cis-1,2-Dichloroethene
Concen: 51.606 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 96 Resp: 7857

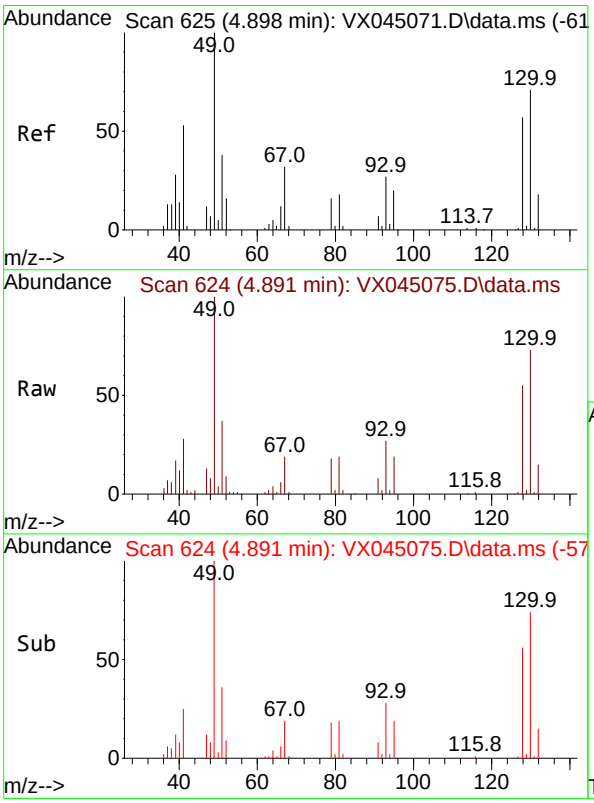
Ion	Ratio	Lower	Upper
96	100		
61	141.2	0.0	283.2
98	63.8	0.0	128.0



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations
APPROVED

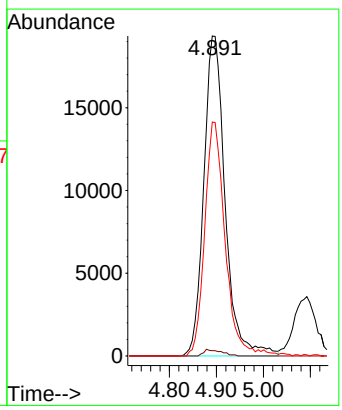
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

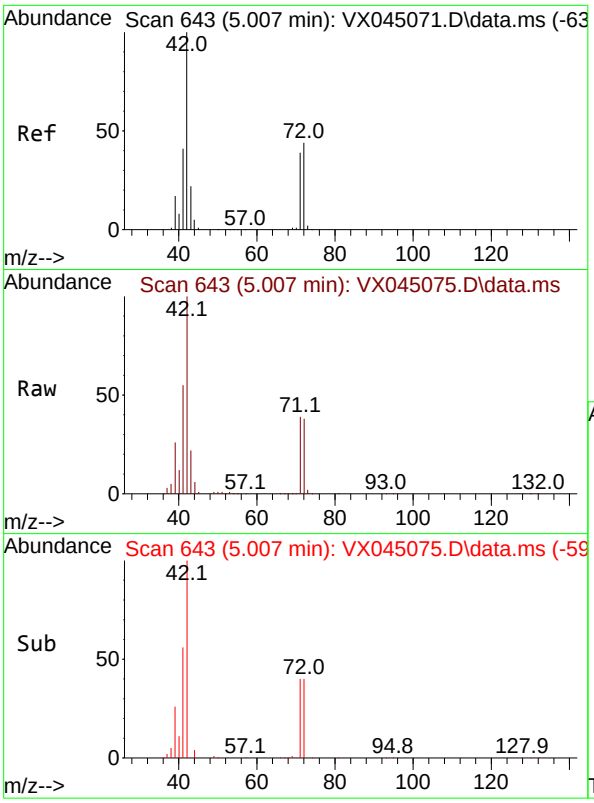


#28
Bromochloromethane
Concen: 50.399 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

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

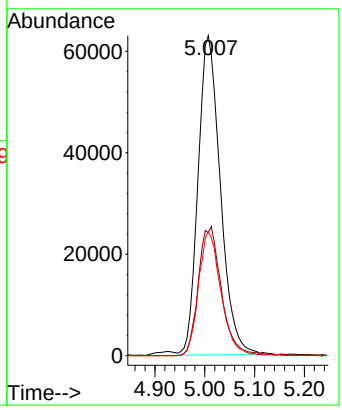




#29
Tetrahydrofuran
Concen: 258.277 ug/l
RT: 5.007 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 42 Resp: 19576

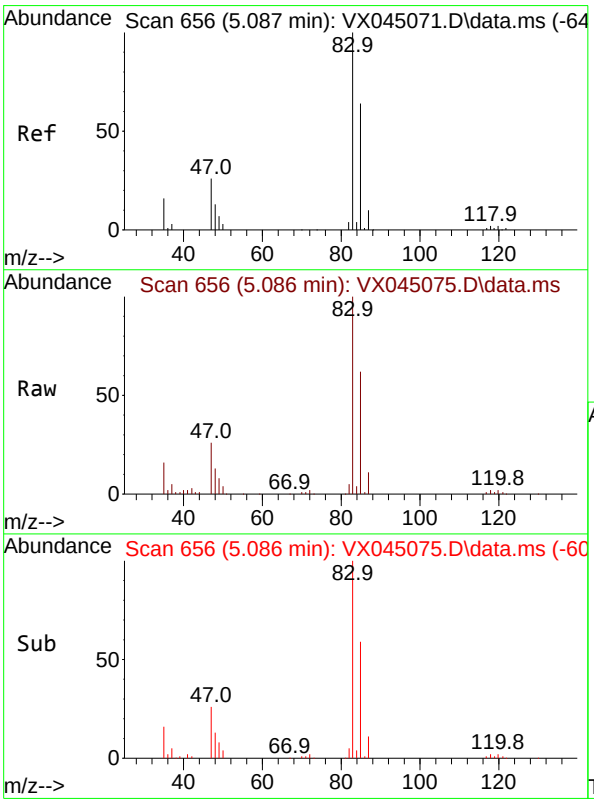
Ion	Ratio	Lower	Upper
42	100		
72	42.0	34.1	51.1
71	38.9	31.4	47.0



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations
APPROVED

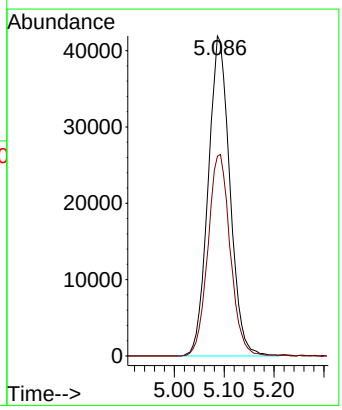
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

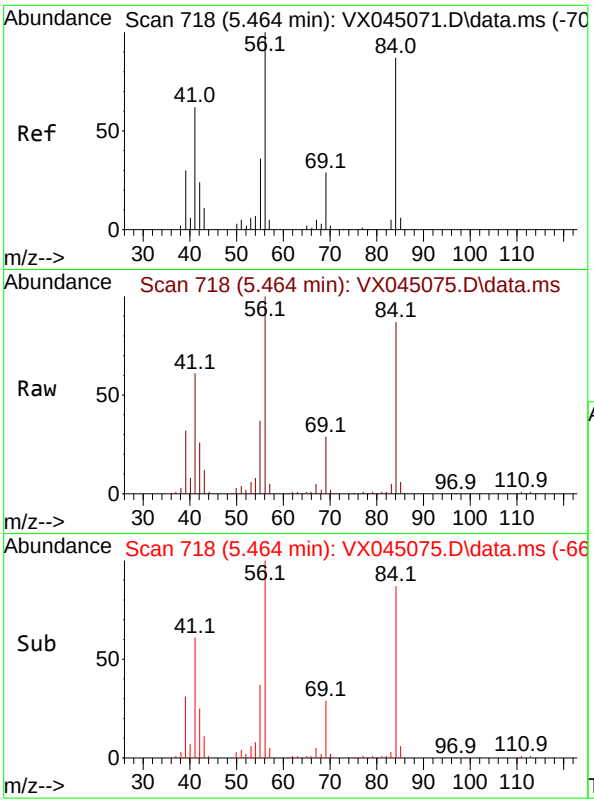


#30
Chloroform
Concen: 50.236 ug/l
RT: 5.086 min Scan# 656
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 83 Resp: 126437

Ion	Ratio	Lower	Upper
83	100		
85	62.4	51.4	77.2

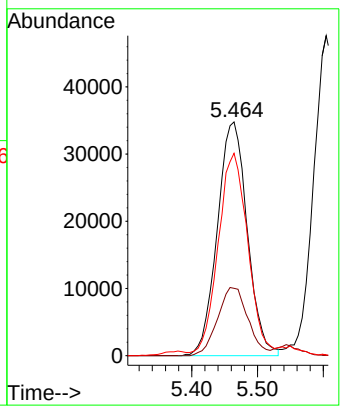




#31
Cyclohexane
Concen: 50.158 ug/l
RT: 5.464 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 56 Resp: 11028

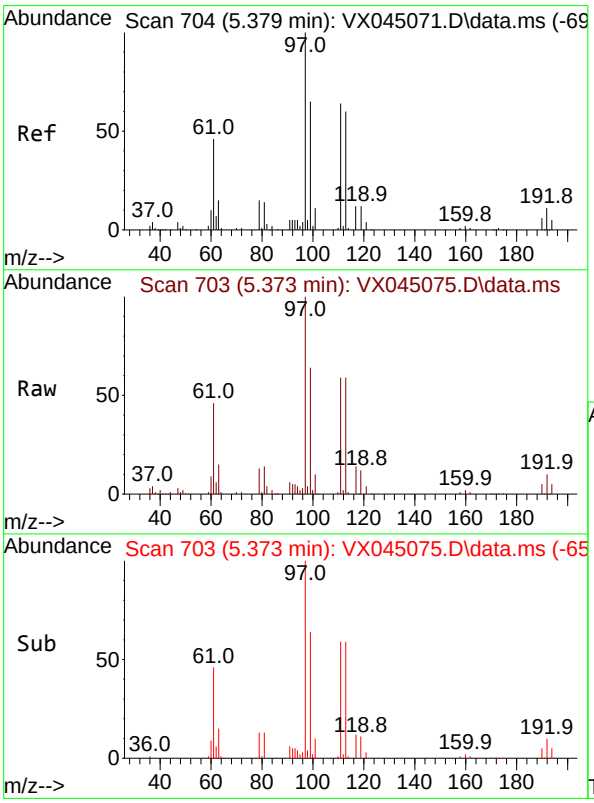
Ion	Ratio	Lower	Upper
56	100		
69	28.8	23.4	35.2
84	84.6	69.4	104.2



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations APPROVED

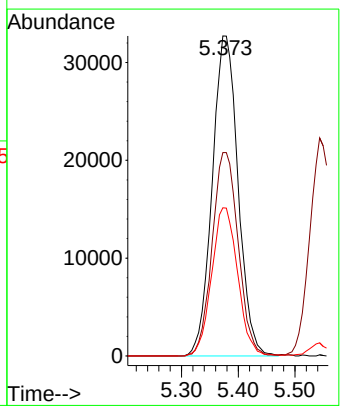
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

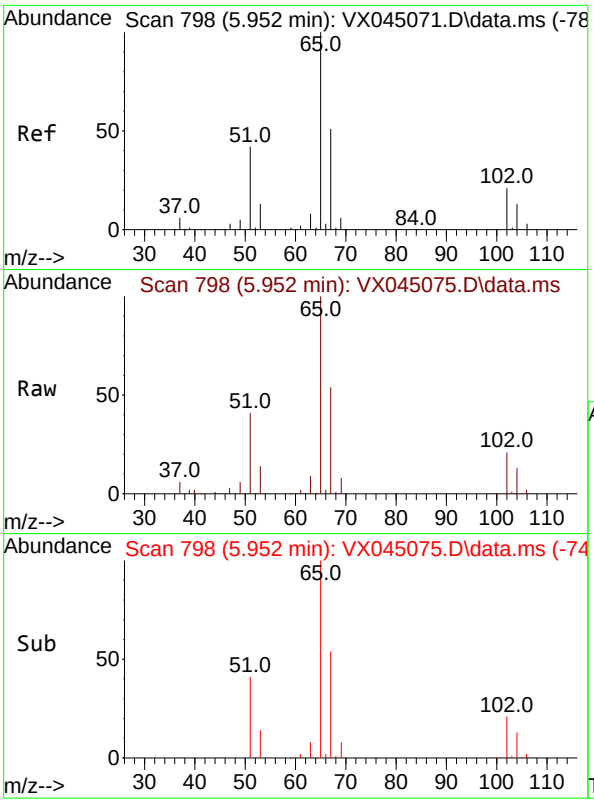


#32
1,1,1-Trichloroethane
Concen: 50.939 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.006 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

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

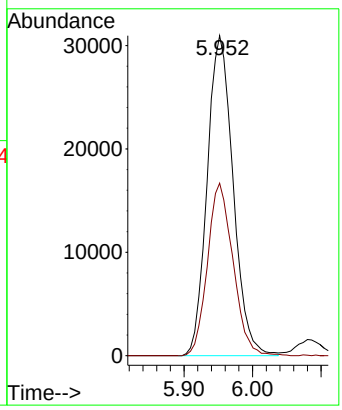




#33
1,2-Dichloroethane-d4
Concen: 50.297 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 65 Resp: 8128

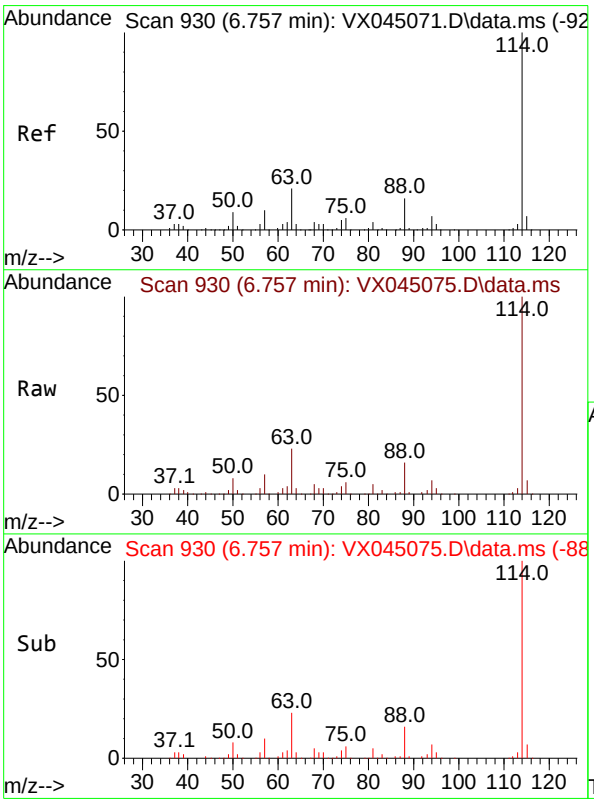
Ion	Ratio	Lower	Upper
65	100		
67	53.1	0.0	106.2



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations APPROVED

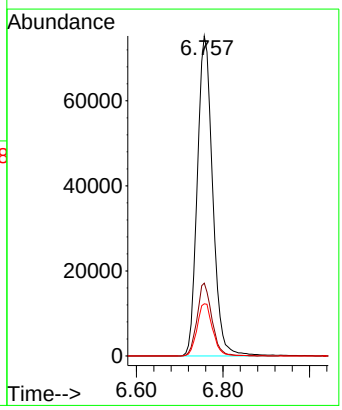
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

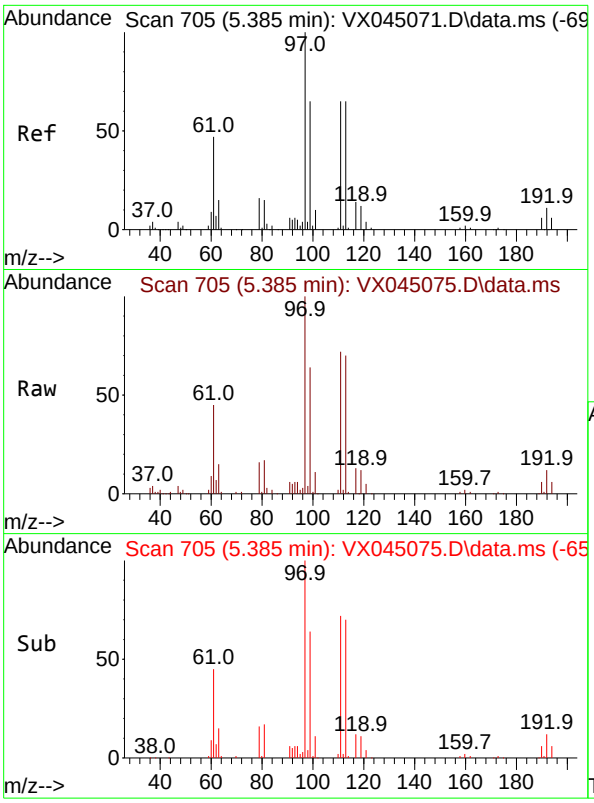


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

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

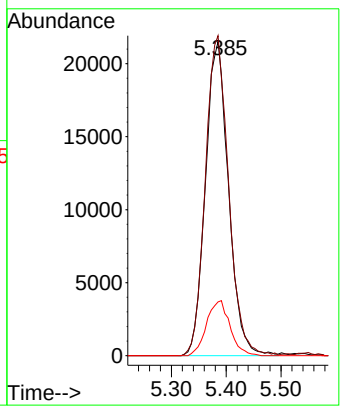




#35
Dibromofluoromethane
Concen: 50.841 ug/l
RT: 5.385 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:113 Resp: 6288

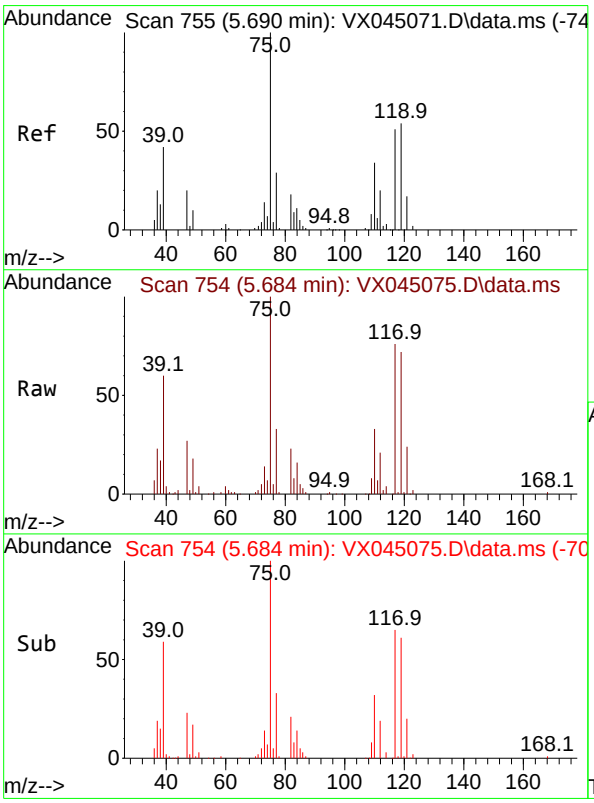
Ion	Ratio	Lower	Upper
113	100		
111	102.6	81.8	122.6
192	17.8	14.3	21.5



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations
APPROVED

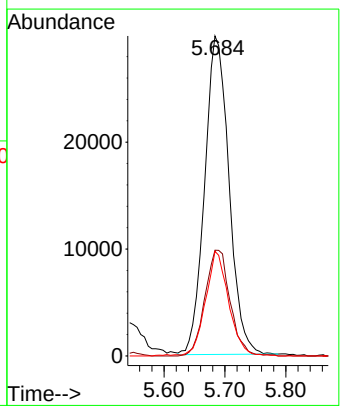
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

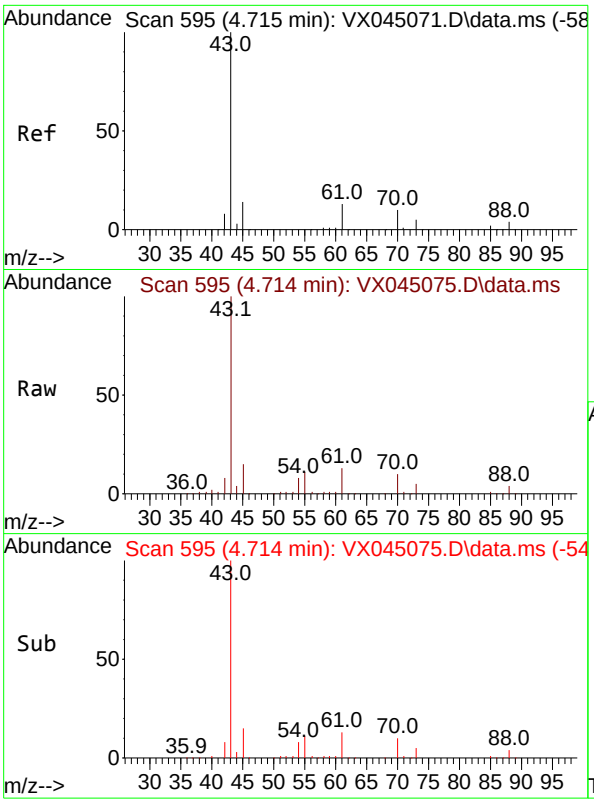


#36
1,1-Dichloropropene
Concen: 48.770 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

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

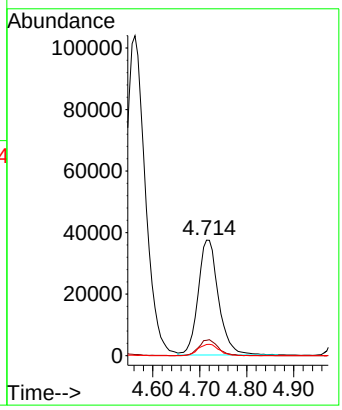




#37
Ethyl Acetate
Concen: 51.596 ug/l
RT: 4.714 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 43 Resp: 11276

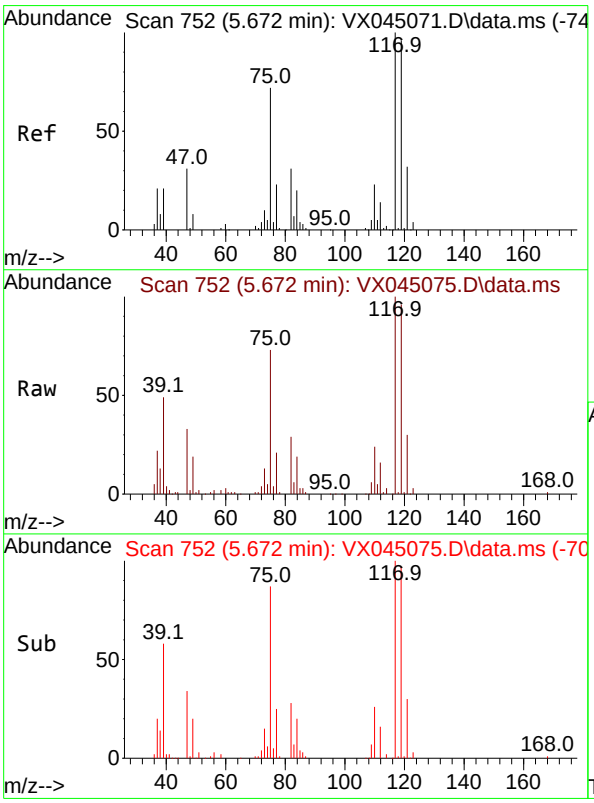
Ion	Ratio	Lower	Upper
43	100		
61	13.3	10.8	16.2
70	10.1	7.7	11.5



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations
APPROVED

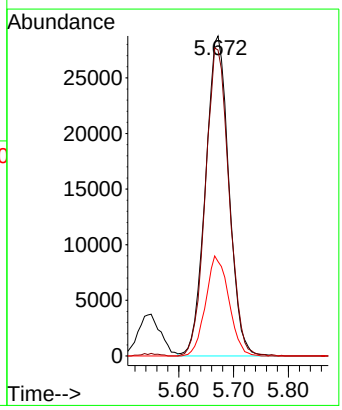
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

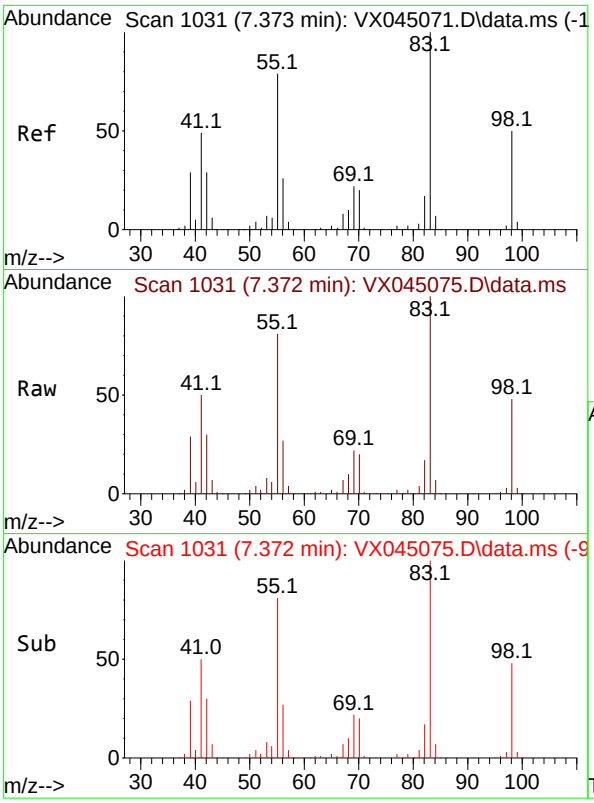


#38
Carbon Tetrachloride
Concen: 49.425 ug/l
RT: 5.672 min Scan# 752
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

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

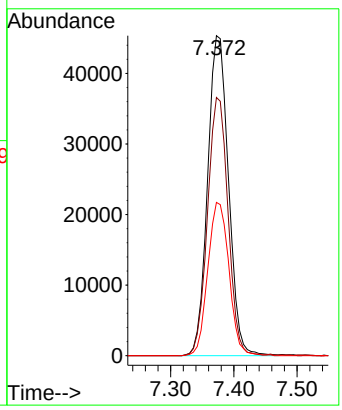




#39
Methylcyclohexane
Concen: 51.169 ug/l
RT: 7.372 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 83 Resp: 10399

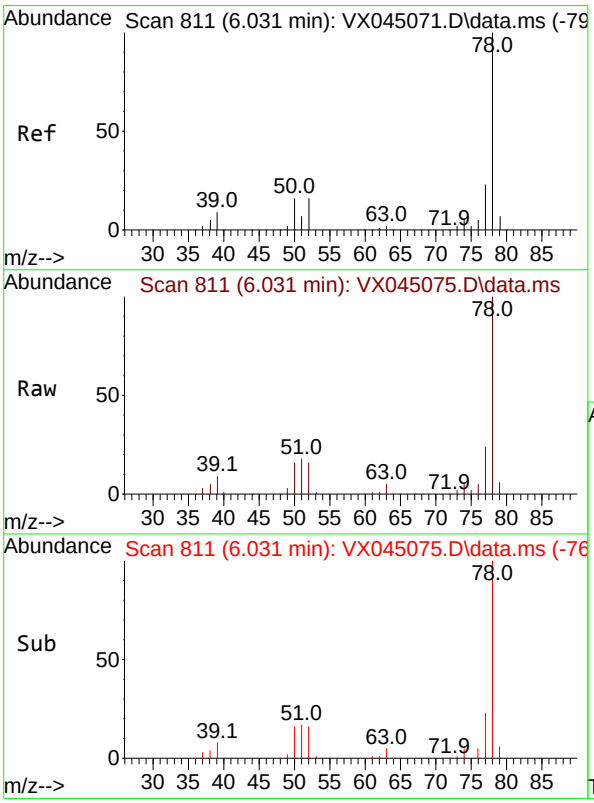
Ion	Ratio	Lower	Upper
83	100		
55	80.7	63.0	94.4
98	47.9	39.7	59.5



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations
APPROVED

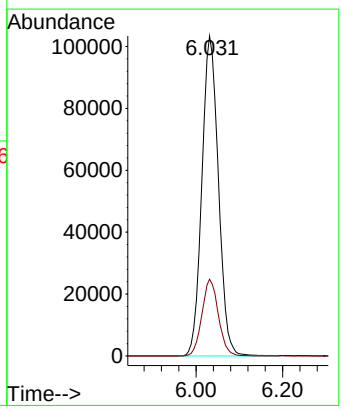
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

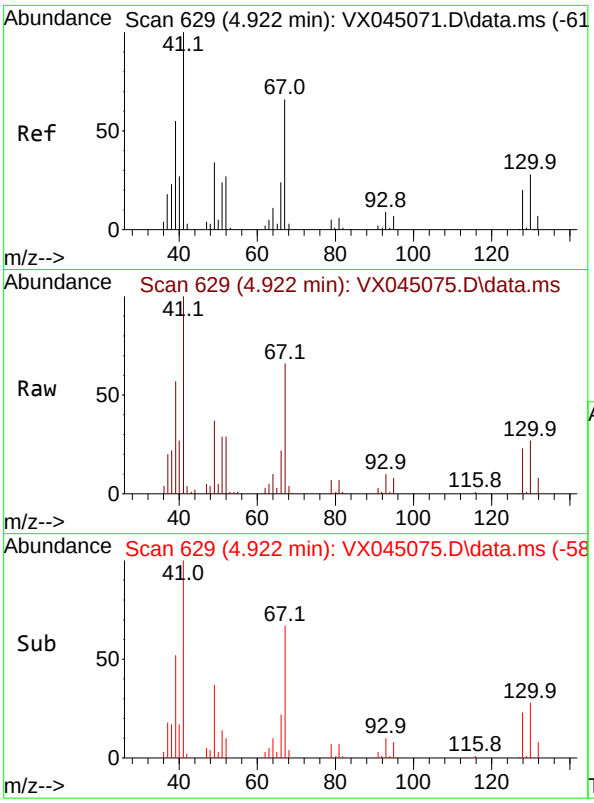


#40
Benzene
Concen: 51.195 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 78 Resp: 274206

Ion	Ratio	Lower	Upper
78	100		
77	24.0	18.8	28.2

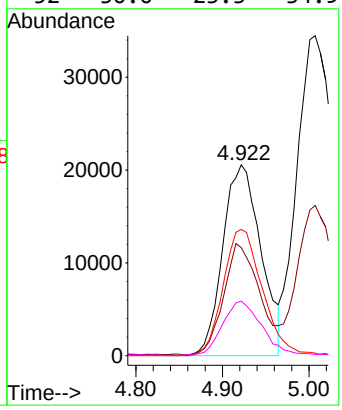




#41
Methacrylonitrile
Concen: 53.352 ug/l
RT: 4.922 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 41 Resp: 6305

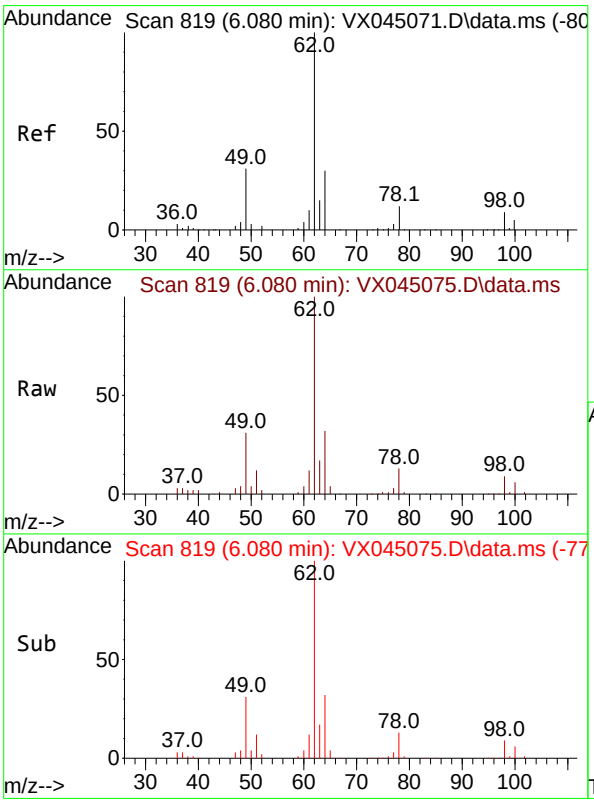
Ion	Ratio	Lower	Upper
41	100		
39	55.0	44.6	67.0
67	68.1	53.9	80.9
52	30.0	23.3	34.9



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations APPROVED

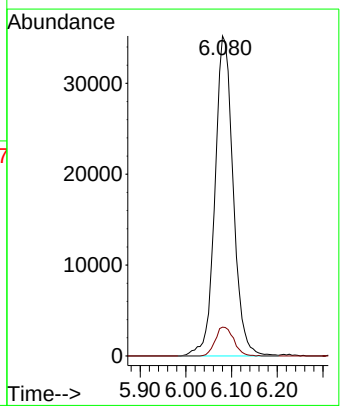
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

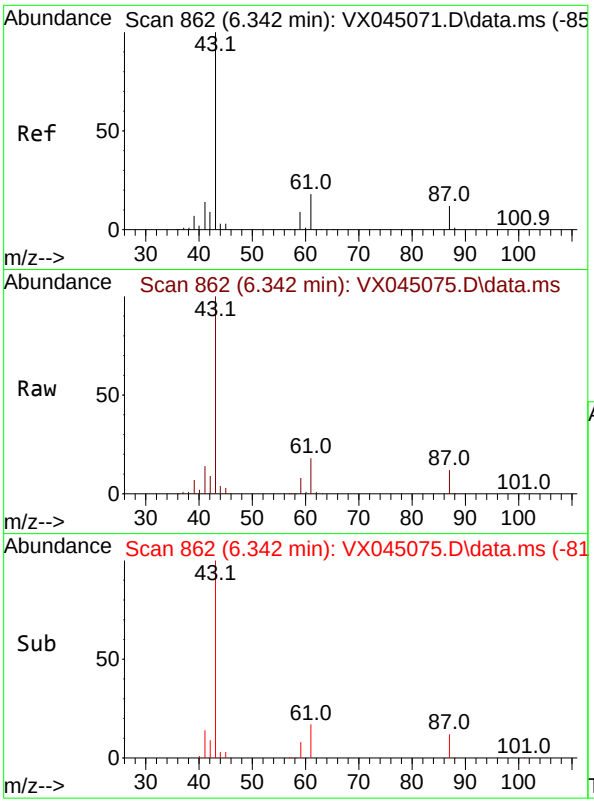


#42
1,2-Dichloroethane
Concen: 50.718 ug/l
RT: 6.080 min Scan# 819
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 62 Resp: 97821

Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	18.2

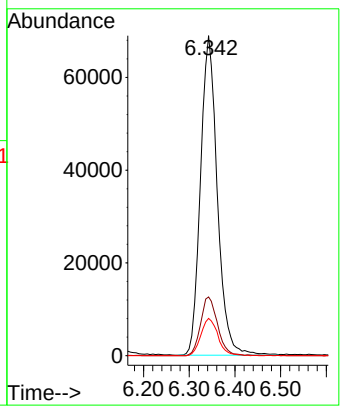




#43
Isopropyl Acetate
Concen: 54.452 ug/l
RT: 6.342 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 43 Resp: 17598

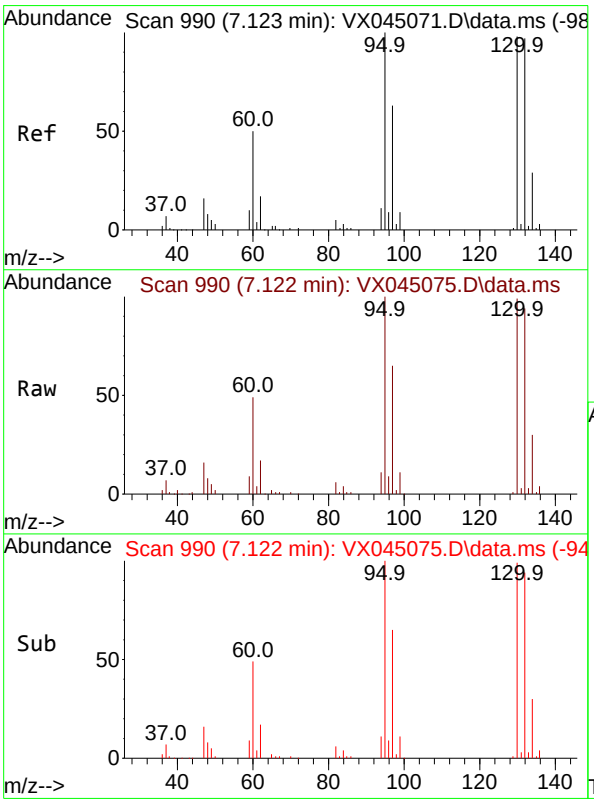
Ion	Ratio	Lower	Upper
43	100		
61	18.5	14.9	22.3
87	11.8	9.4	14.2



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations
APPROVED

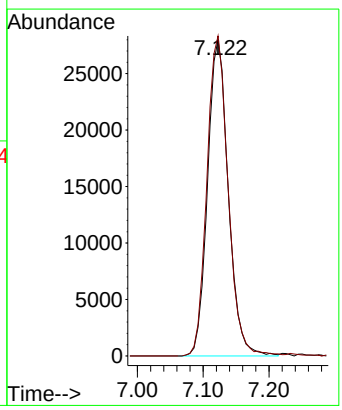
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

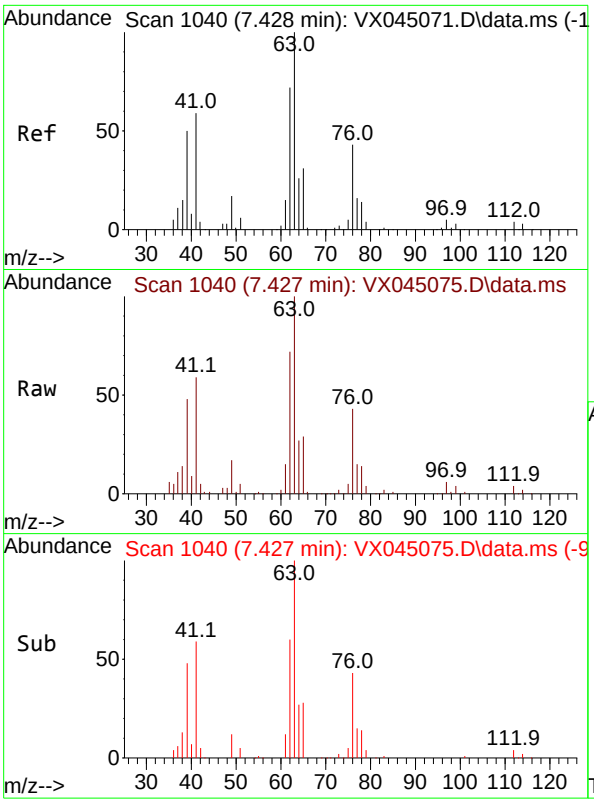


#44
Trichloroethene
Concen: 48.924 ug/l
RT: 7.122 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:130 Resp: 61530

Ion	Ratio	Lower	Upper
130	100		
95	101.1	0.0	205.0

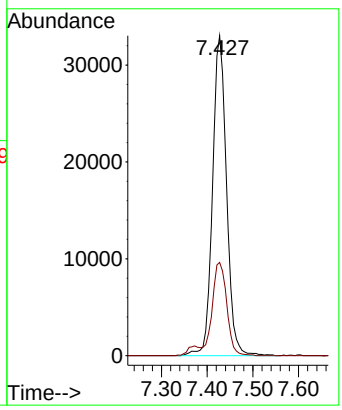




#45
1,2-Dichloropropane
Concen: 51.086 ug/l
RT: 7.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 63 Resp: 7035

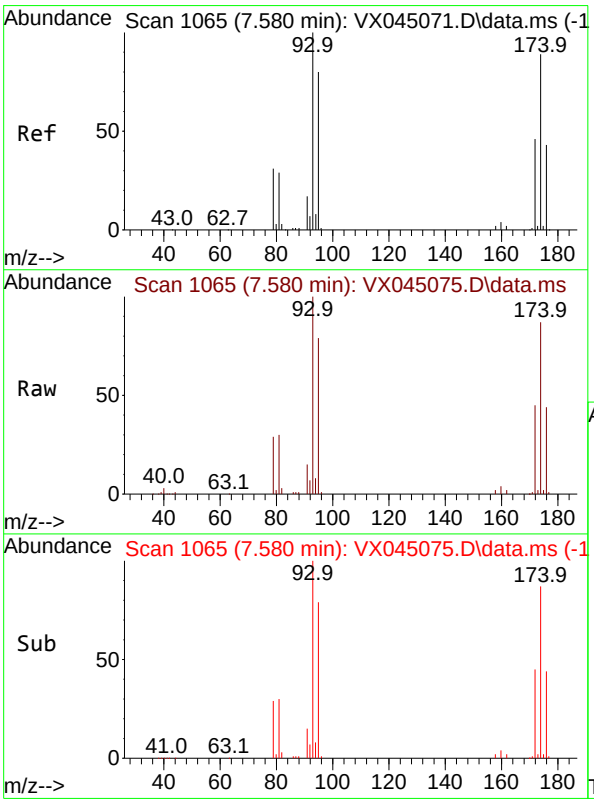
Ion	Ratio	Lower	Upper
63	100		
65	29.2	24.7	37.1



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations
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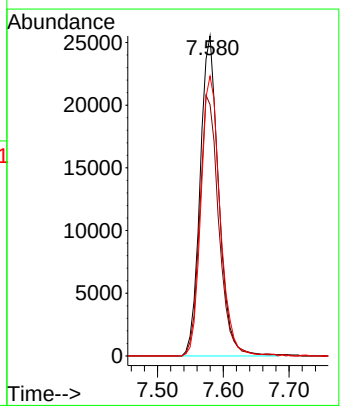
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

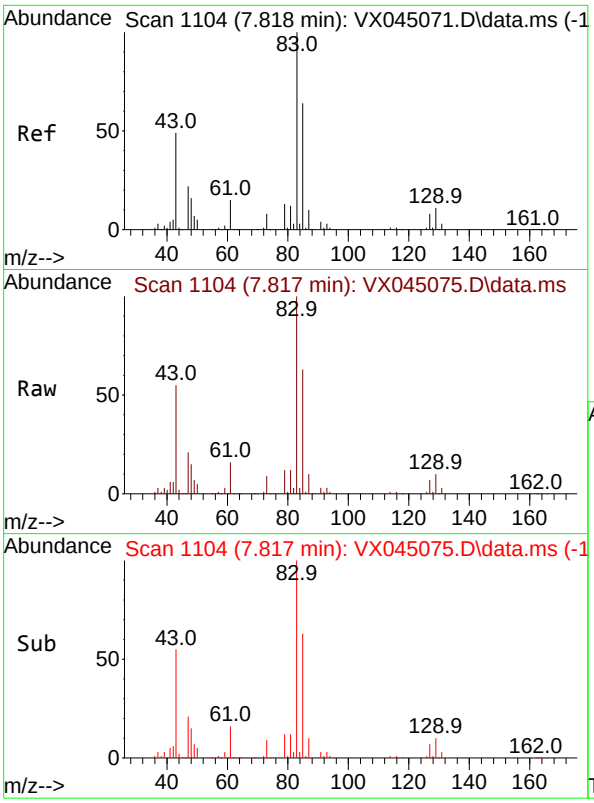


#46
Dibromomethane
Concen: 51.661 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

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

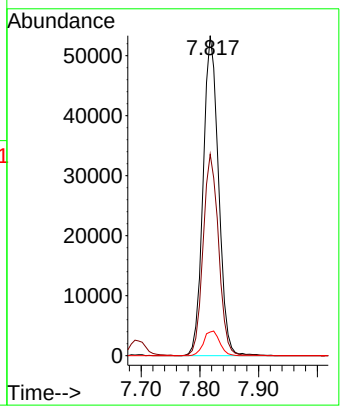




#47
Bromodichloromethane
Concen: 50.930 ug/l
RT: 7.817 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 83 Resp: 9723

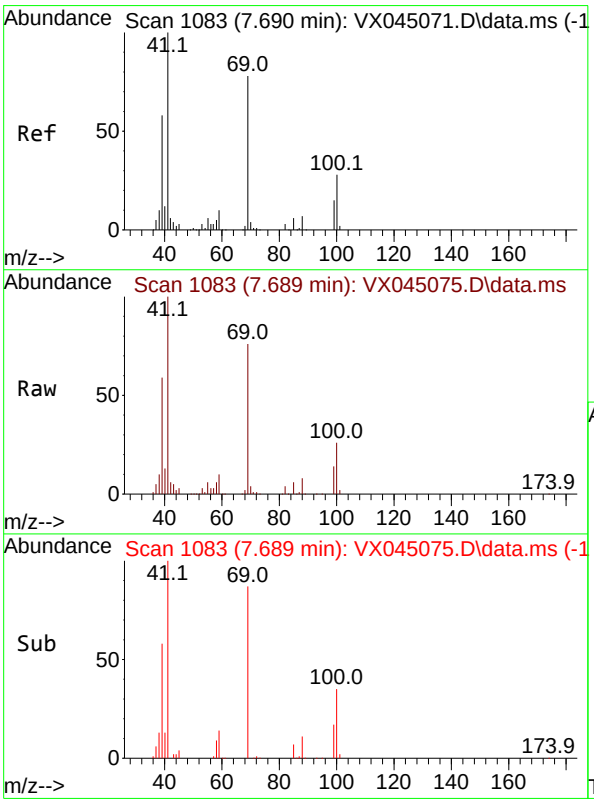
Ion	Ratio	Lower	Upper
83	100		
85	63.0	51.1	76.7
127	7.4	6.4	9.6



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations
APPROVED

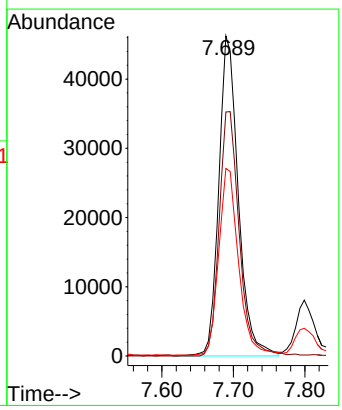
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

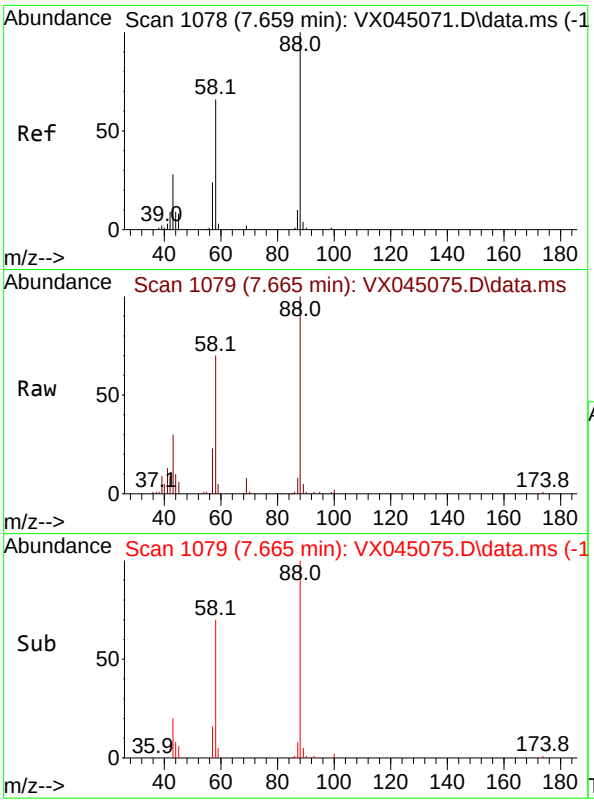


#48
Methyl methacrylate
Concen: 54.016 ug/l
RT: 7.689 min Scan# 1083
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

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

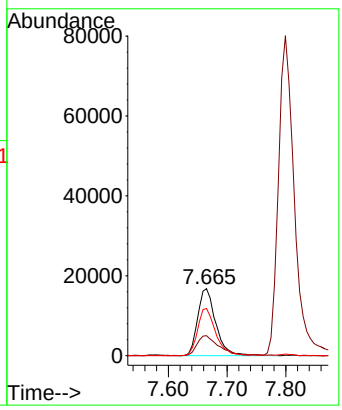
Tgt Ion: 88 Resp: 3587

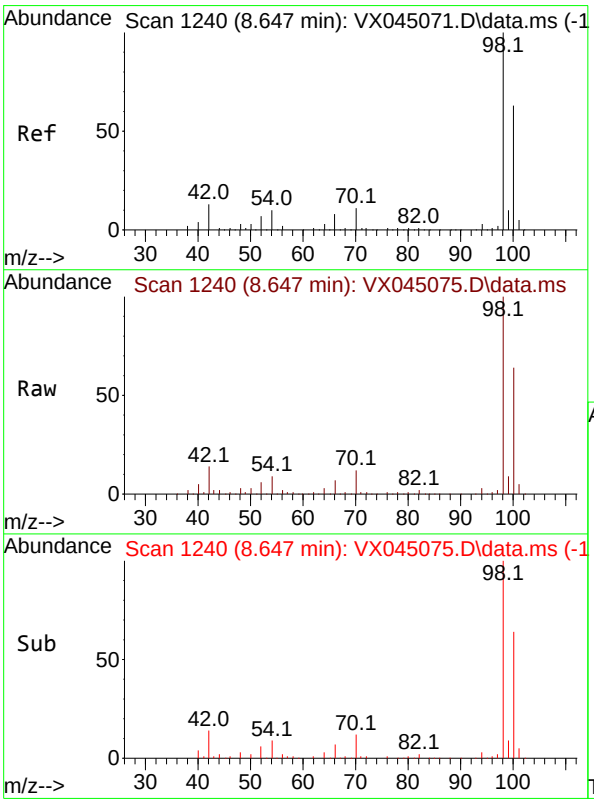
Ion	Ratio	Lower	Upper
88	100		
43	34.3	28.7	43.1
58	70.8	55.8	83.8

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

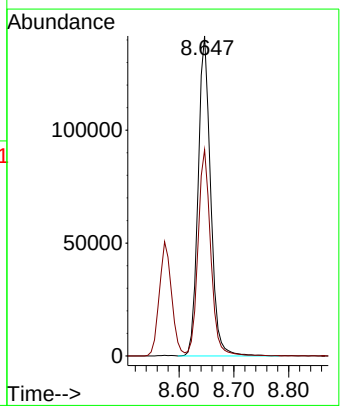


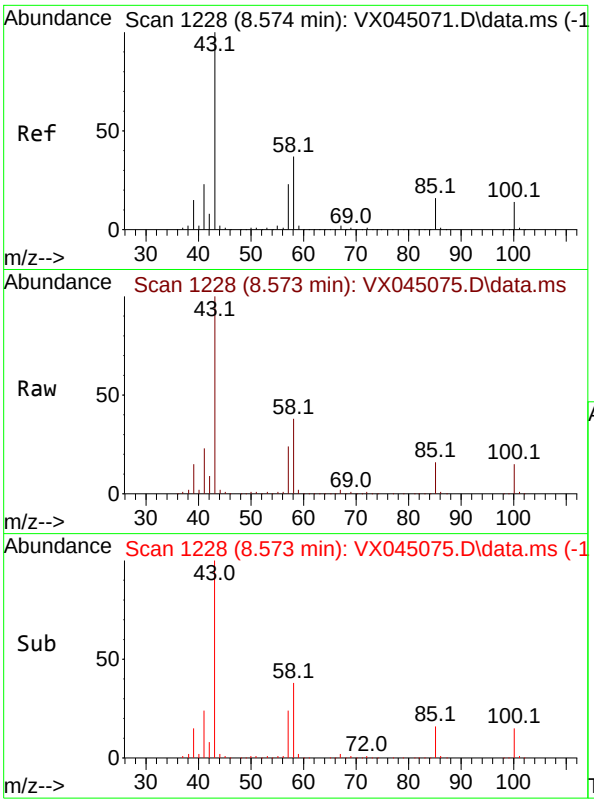


#50
Toluene-d8
Concen: 50.364 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 98 Resp: 225823

Ion	Ratio	Lower	Upper
98	100		
100	65.6	52.0	78.0

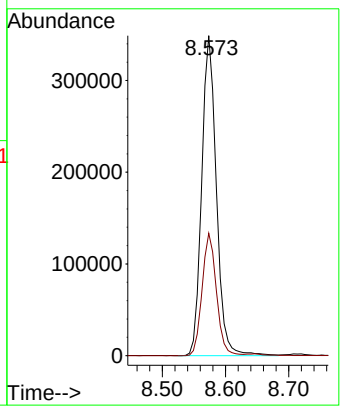




#51
4-Methyl-2-Pentanone
Concen: 259.995 ug/l
RT: 8.573 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 43 Resp: 56419

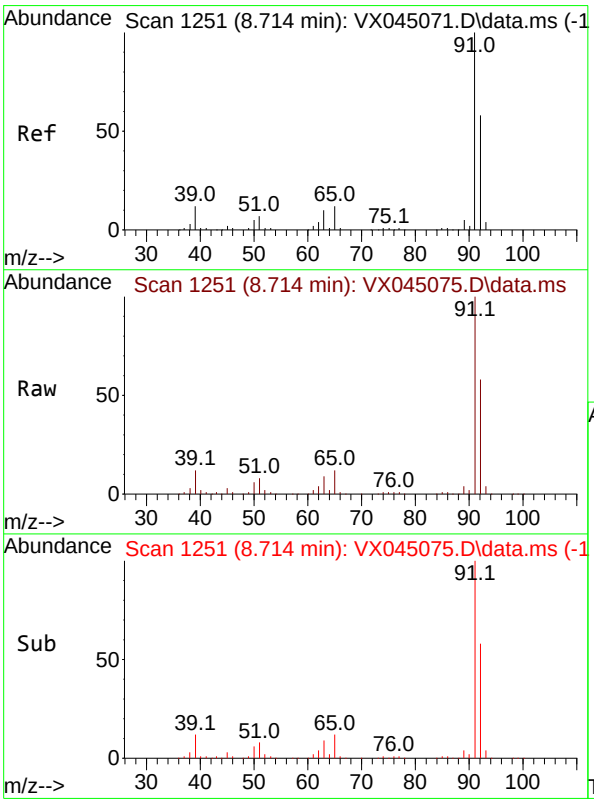
Ion	Ratio	Lower	Upper
43	100		
58	37.3	29.2	43.8



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations APPROVED

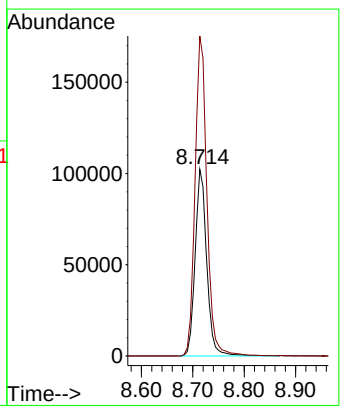
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

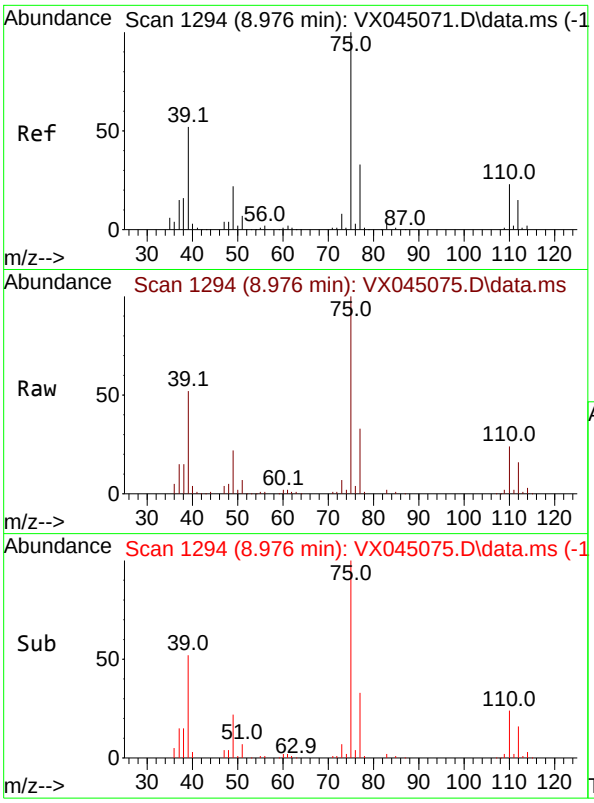


#52
Toluene
Concen: 51.020 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 92 Resp: 160331

Ion	Ratio	Lower	Upper
92	100		
91	175.1	138.9	208.3

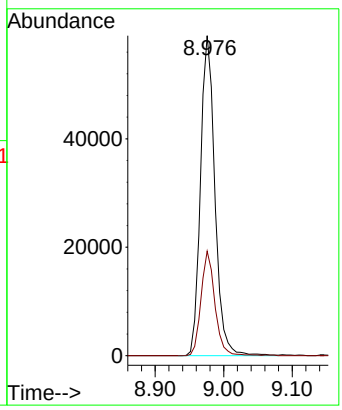




#53
t-1,3-Dichloropropene
Concen: 54.247 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 75 Resp: 8658

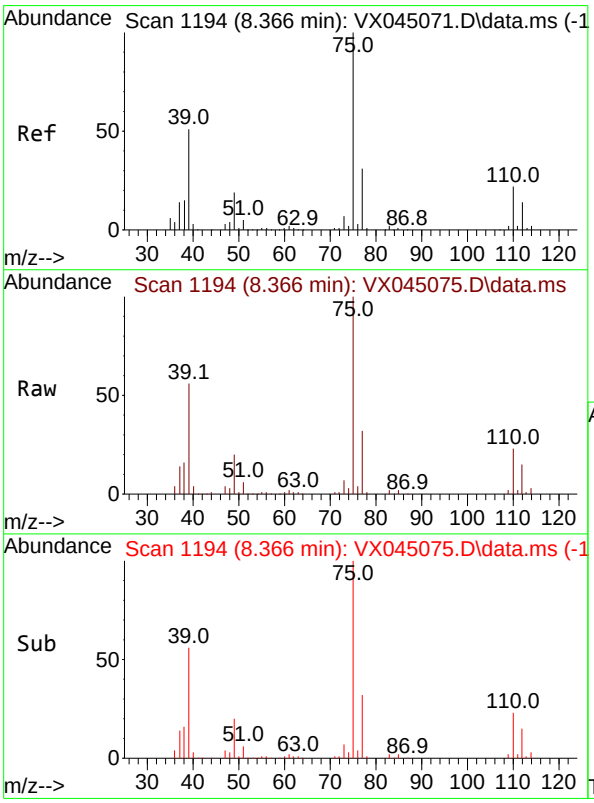
Ion	Ratio	Lower	Upper
75	100		
77	32.7	26.5	39.7



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations
APPROVED

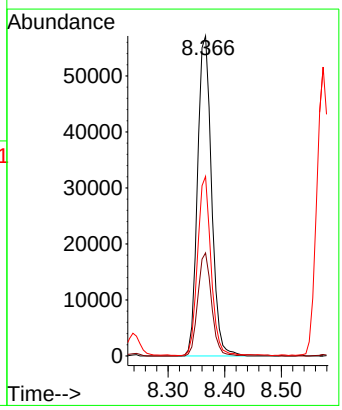
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

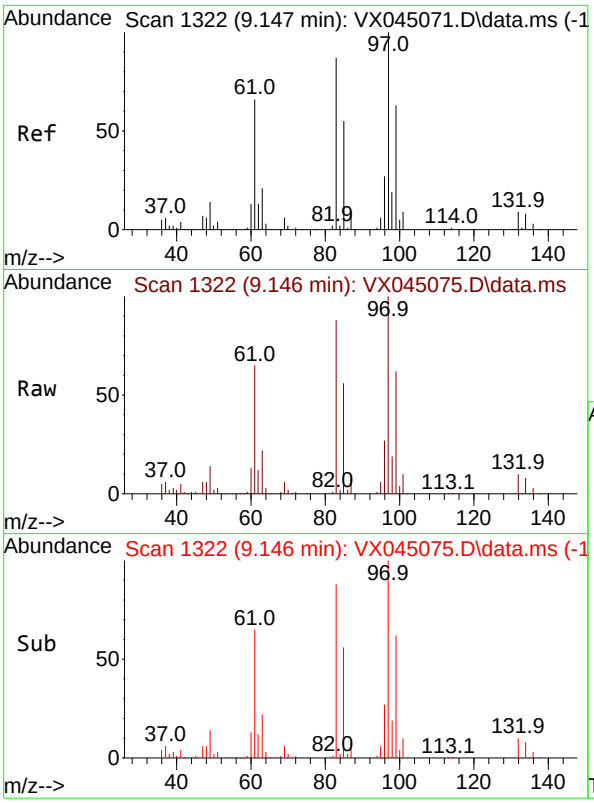


#54
cis-1,3-Dichloropropene
Concen: 52.732 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

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

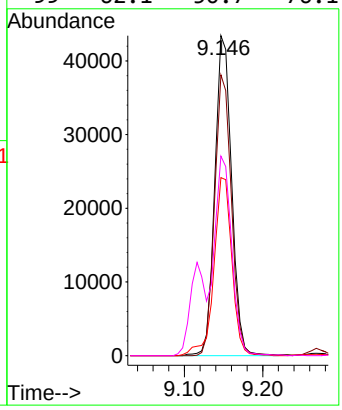




#55
1,1,2-Trichloroethane
Concen: 50.232 ug/l
RT: 9.146 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 97 Resp: 6498

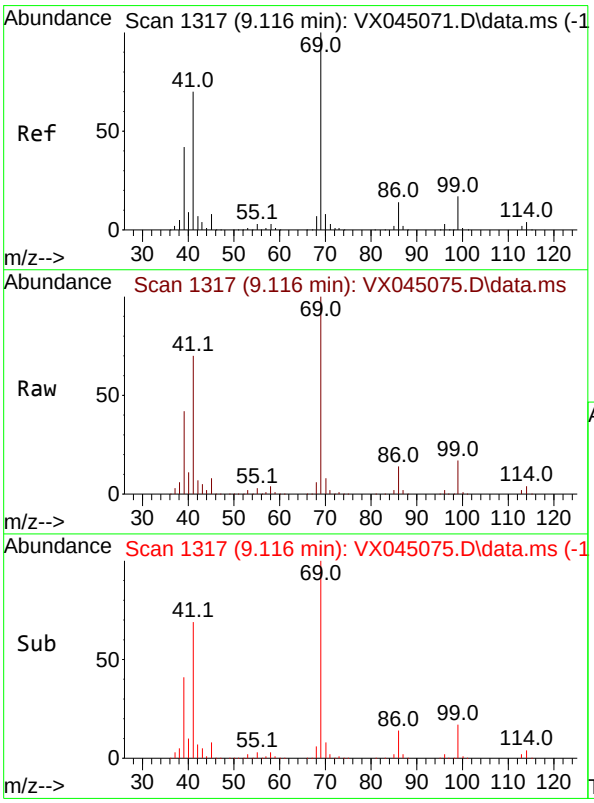
Ion	Ratio	Lower	Upper
97	100		
83	87.8	69.4	104.2
85	55.6	44.1	66.1
99	62.1	50.7	76.1



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations
APPROVED

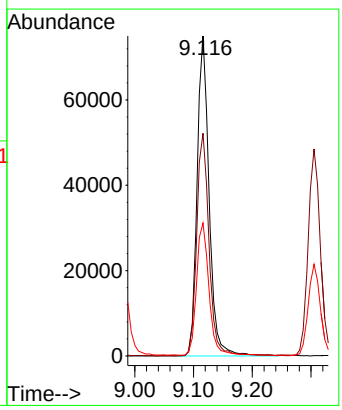
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

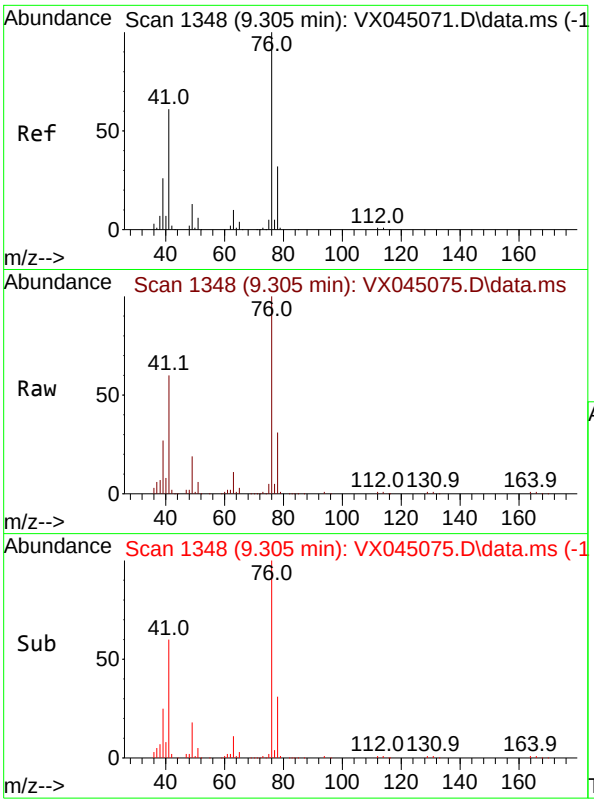


#56
Ethyl methacrylate
Concen: 54.109 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

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

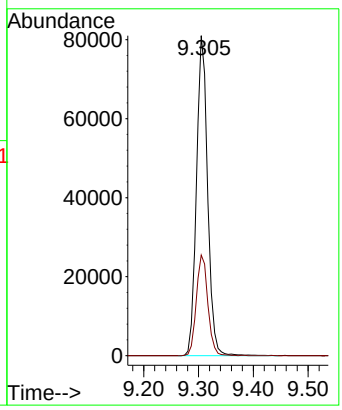




#57
1,3-Dichloropropane
Concen: 51.312 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 76 Resp: 11488

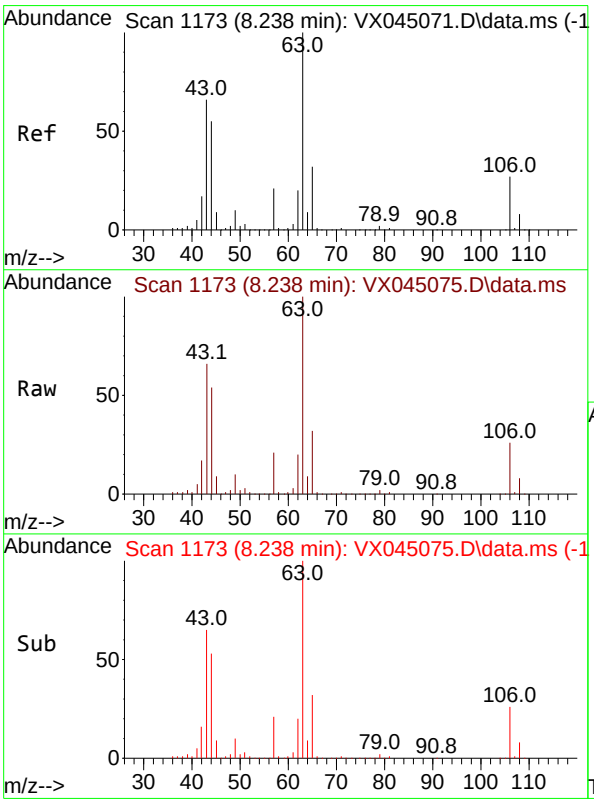
Ion	Ratio	Lower	Upper
76	100		
78	32.5	25.5	38.3



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations APPROVED

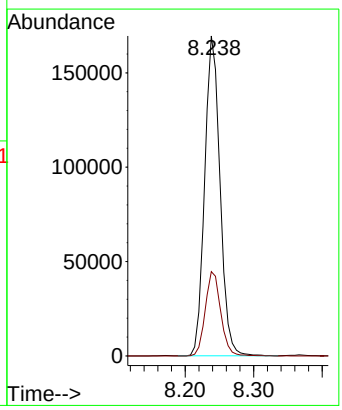
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

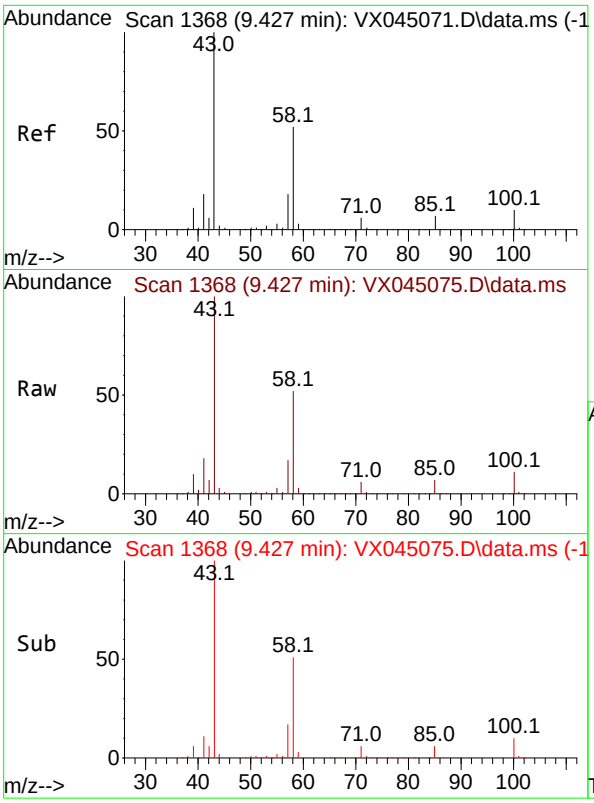


#58
2-Chloroethyl Vinyl ether
Concen: 275.557 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

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

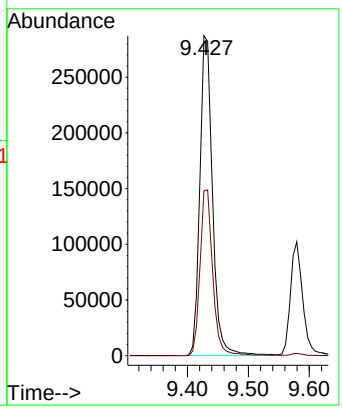
Tgt Ion: 43 Resp: 41673

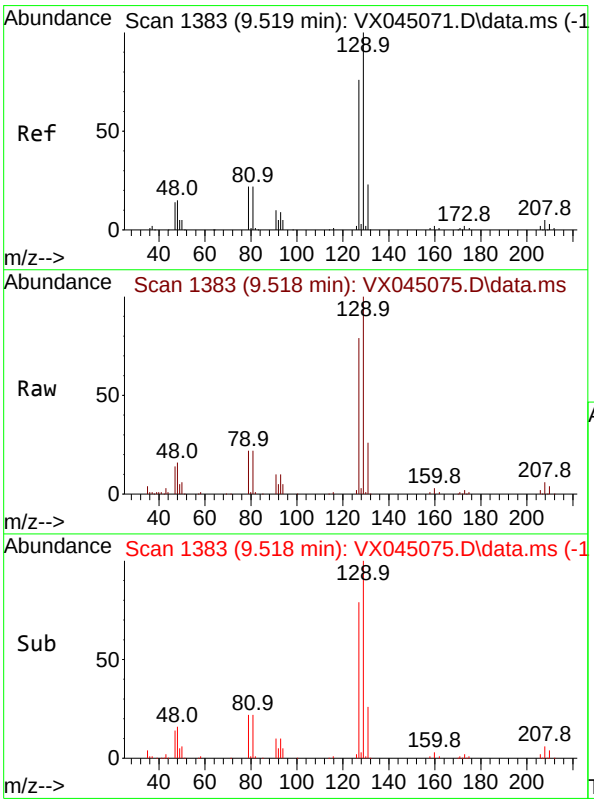
Ion	Ratio	Lower	Upper
43	100		
58	52.2	25.9	77.6

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

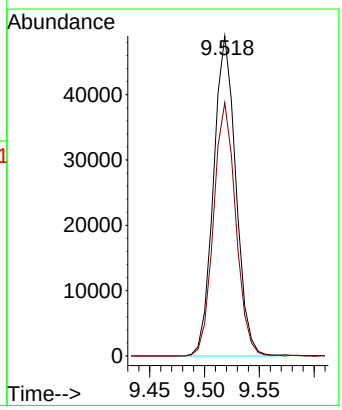


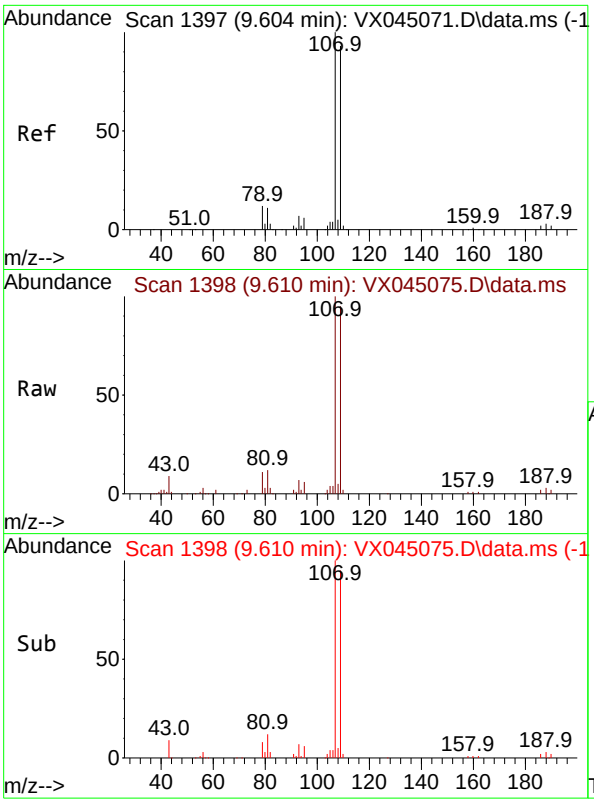


#60
Dibromochloromethane
Concen: 51.374 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:129 Resp: 69492

Ion	Ratio	Lower	Upper
129	100		
127	78.6	38.5	115.5

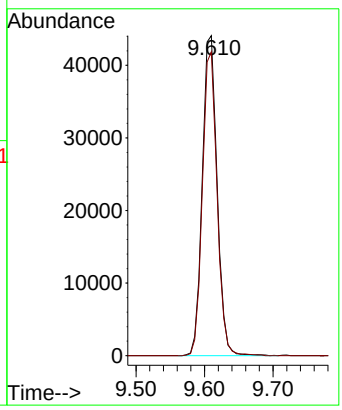




#61
1,2-Dibromoethane
Concen: 51.492 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:107 Resp: 6650

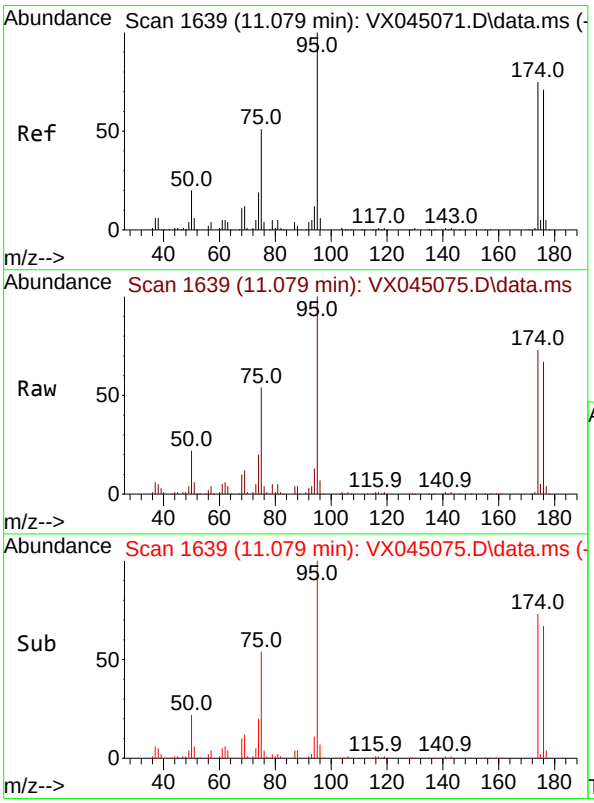
Ion	Ratio	Lower	Upper
107	100		
109	93.8	76.1	114.1



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations
APPROVED

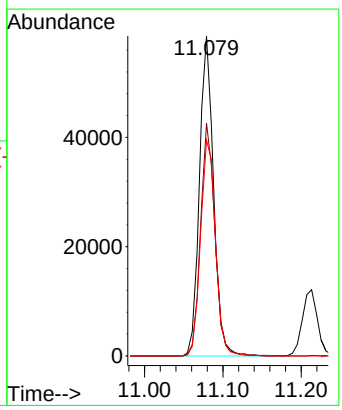
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

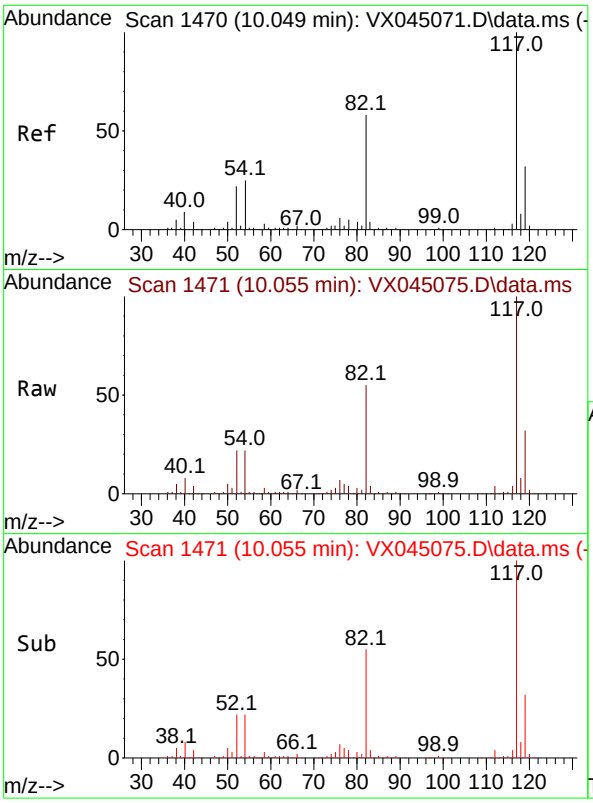


#62
4-Bromofluorobenzene
Concen: 49.240 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

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

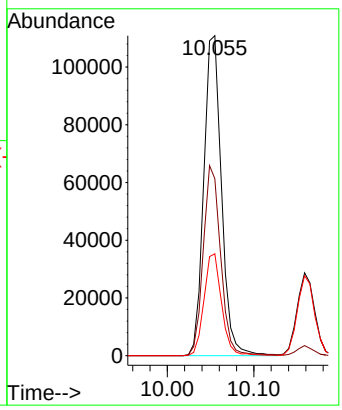




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:117 Resp: 15779

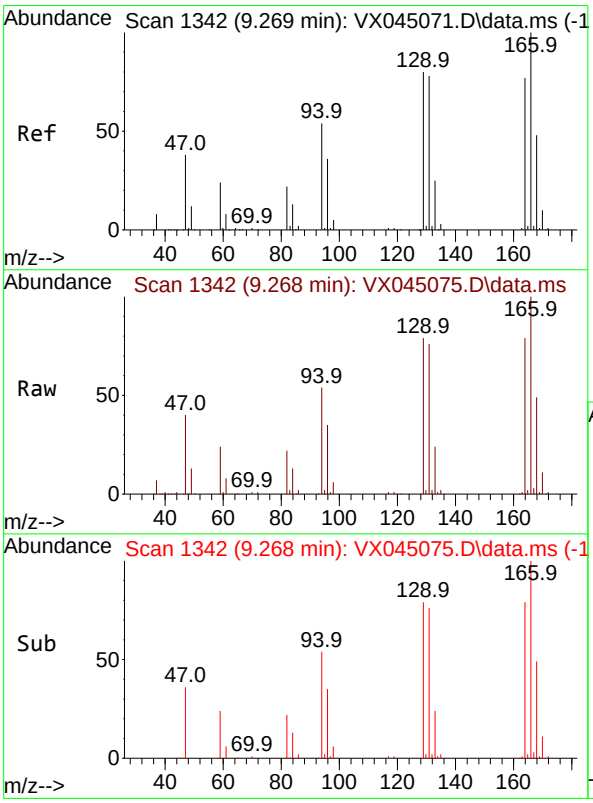
Ion	Ratio	Lower	Upper
117	100		
82	55.3	46.3	69.5
119	31.9	25.7	38.5



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations APPROVED

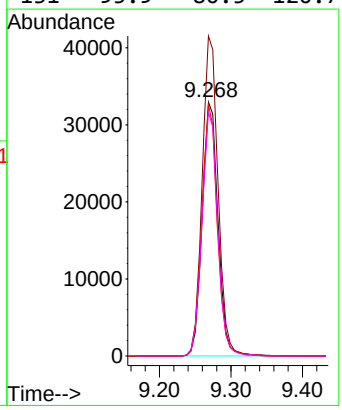
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

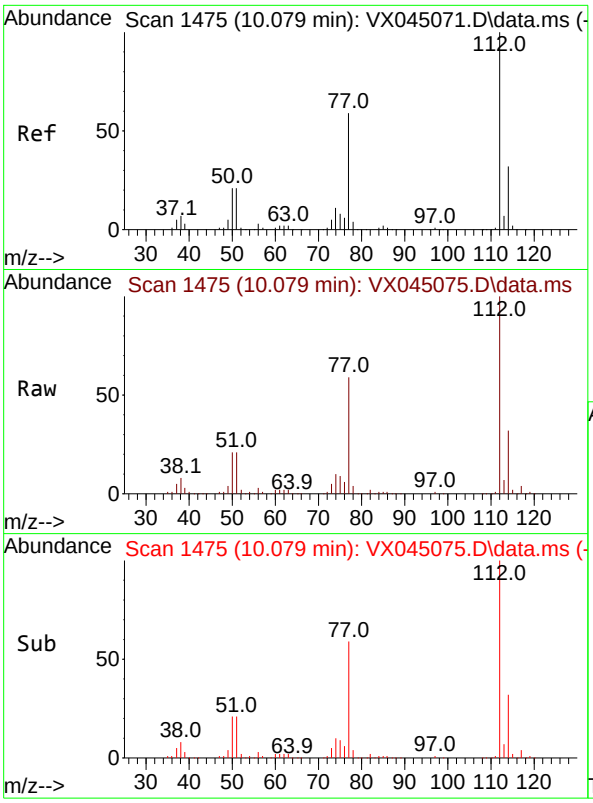


#64
Tetrachloroethene
Concen: 50.126 ug/l
RT: 9.268 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

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

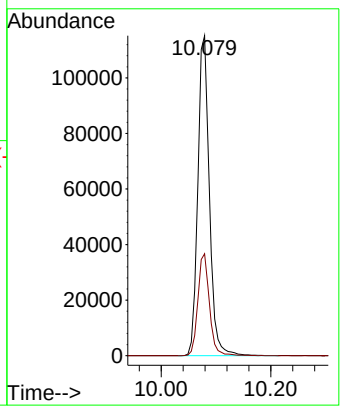




#65
Chlorobenzene
Concen: 50.580 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:112 Resp: 16888

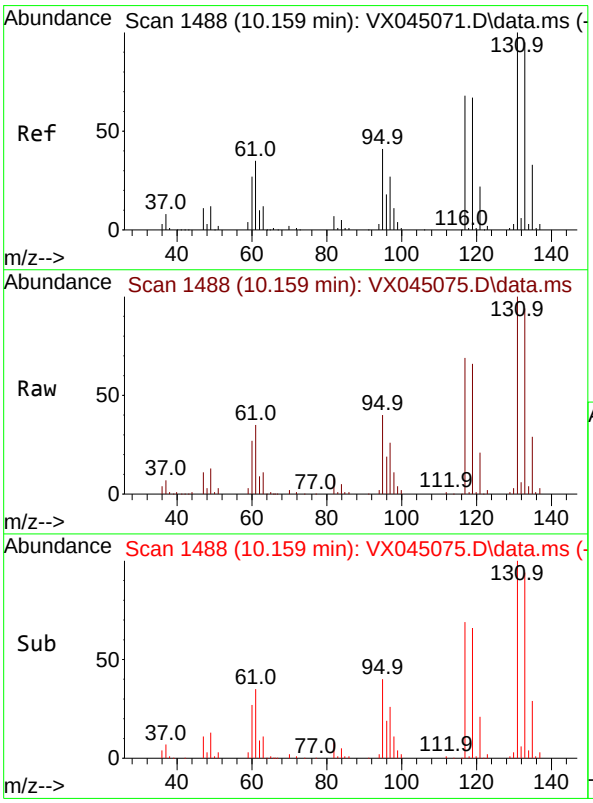
Ion	Ratio	Lower	Upper
112	100		
114	31.9	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations APPROVED

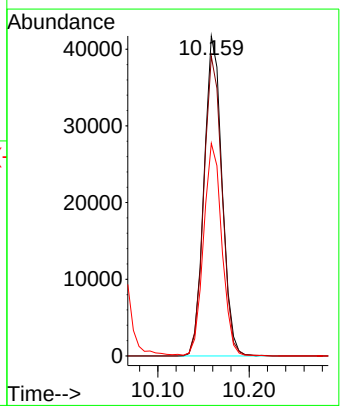
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

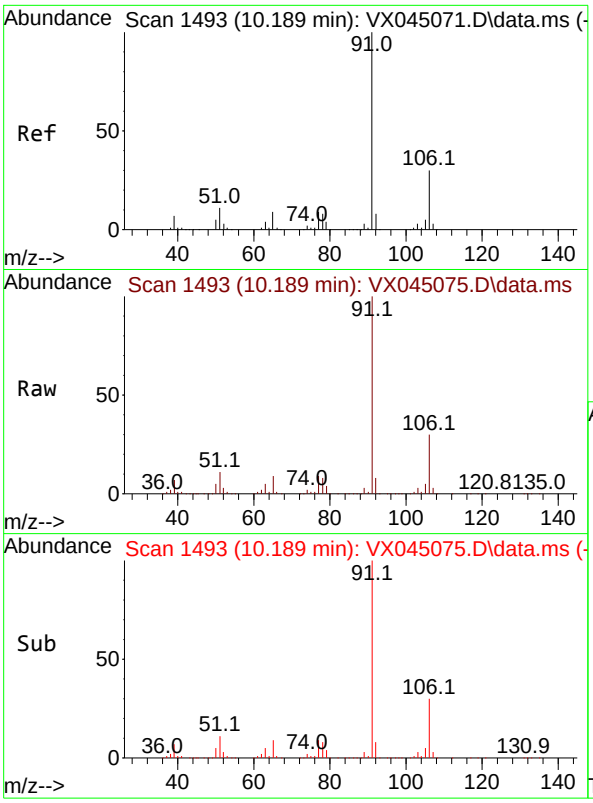


#66
1,1,1,2-Tetrachloroethane
Concen: 51.102 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

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

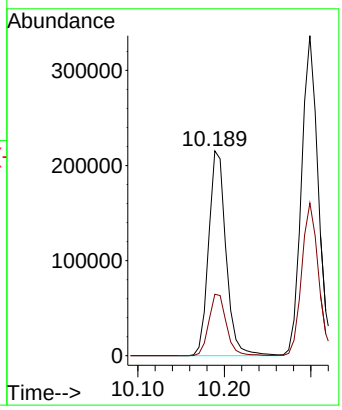




#67
Ethyl Benzene
Concen: 51.621 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 91 Resp: 30032

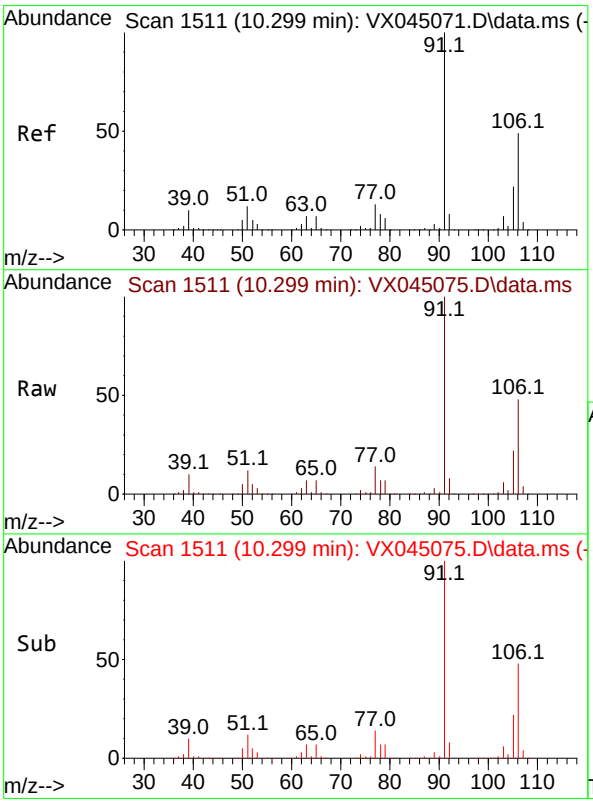
Ion	Ratio	Lower	Upper
91	100		
106	30.0	23.9	35.9



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations
APPROVED

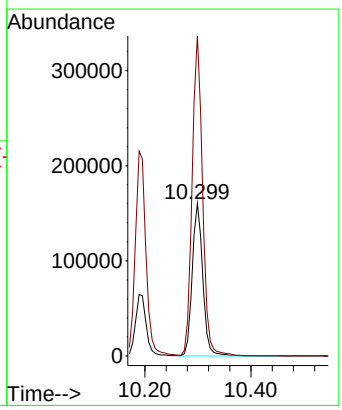
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

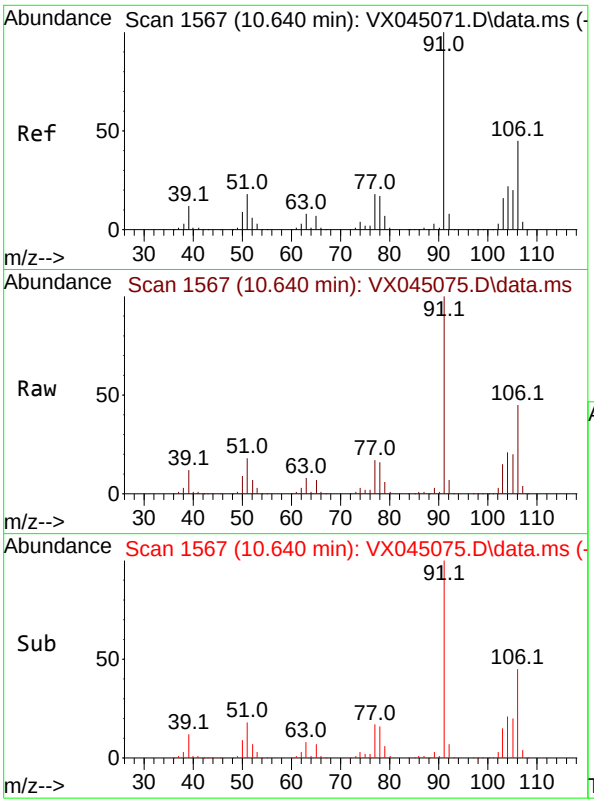


#68
m/p-Xylenes
Concen: 103.454 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:106 Resp: 220335

Ion	Ratio	Lower	Upper
106	100		
91	207.8	165.4	248.0

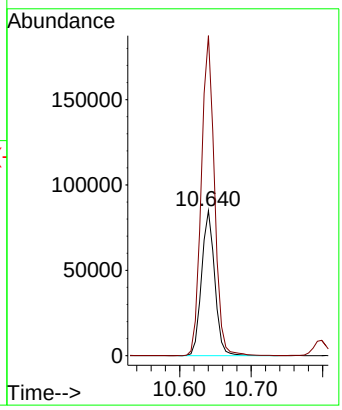




#69
o-Xylene
Concen: 50.668 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:106 Resp: 10883

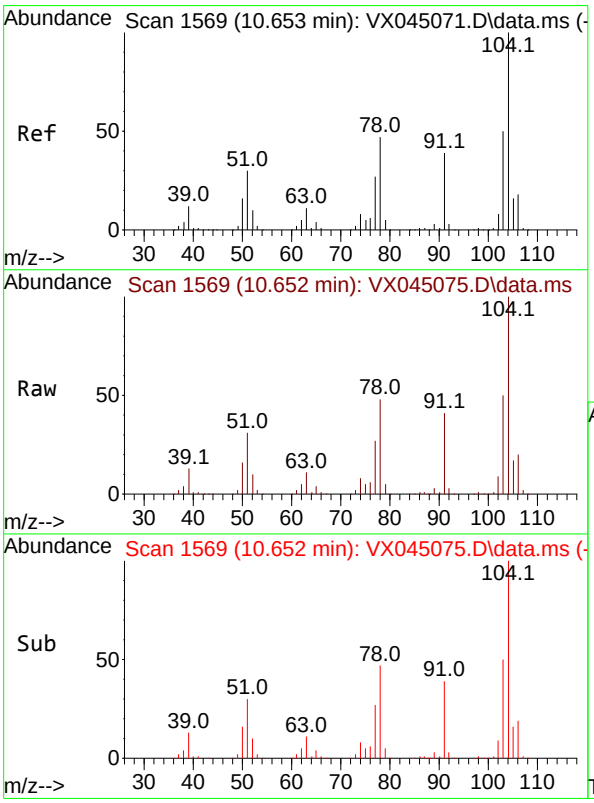
Ion	Ratio	Lower	Upper
106	100		
91	220.5	109.9	329.6



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations
APPROVED

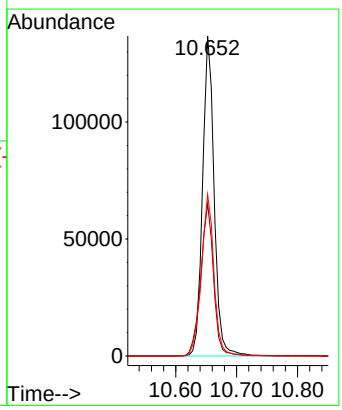
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

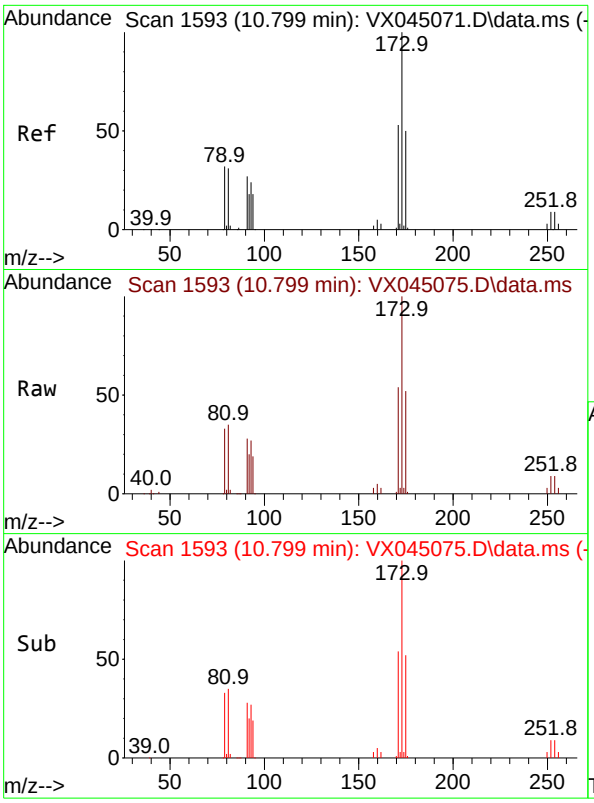


#70
Styrene
Concen: 52.177 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

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

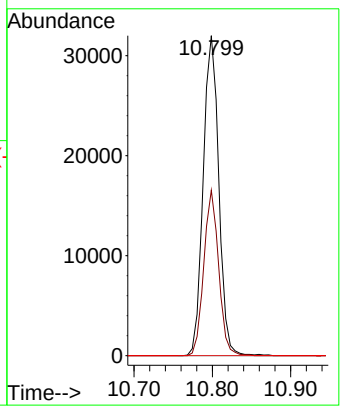




#71
Bromoform
Concen: 52.636 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:173 Resp: 4413

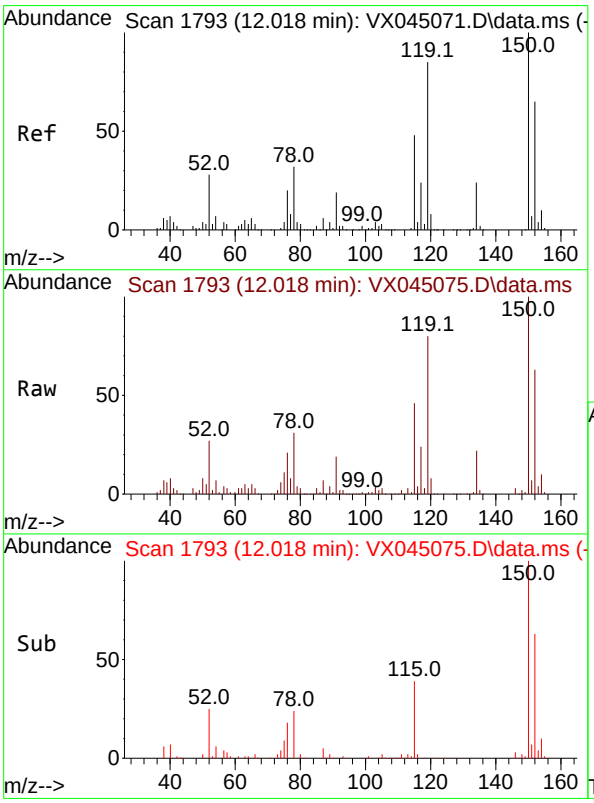
Ion	Ratio	Lower	Upper
173	100		
175	49.3	24.6	73.6
254	0.0	0.0	0.0



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations
APPROVED

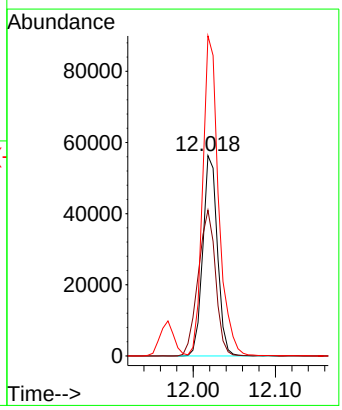
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

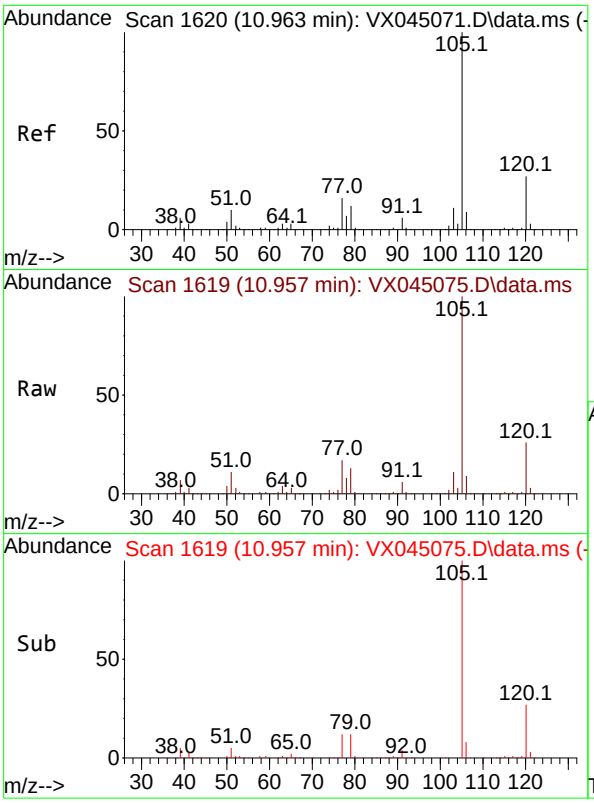


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

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

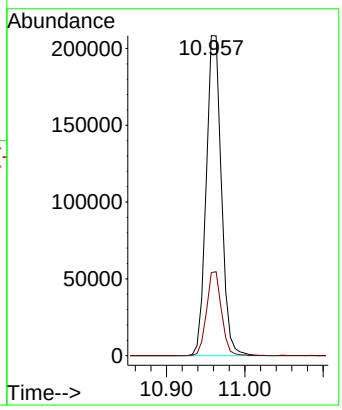




#73
Isopropylbenzene
Concen: 51.589 ug/l
RT: 10.957 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:105 Resp: 27927

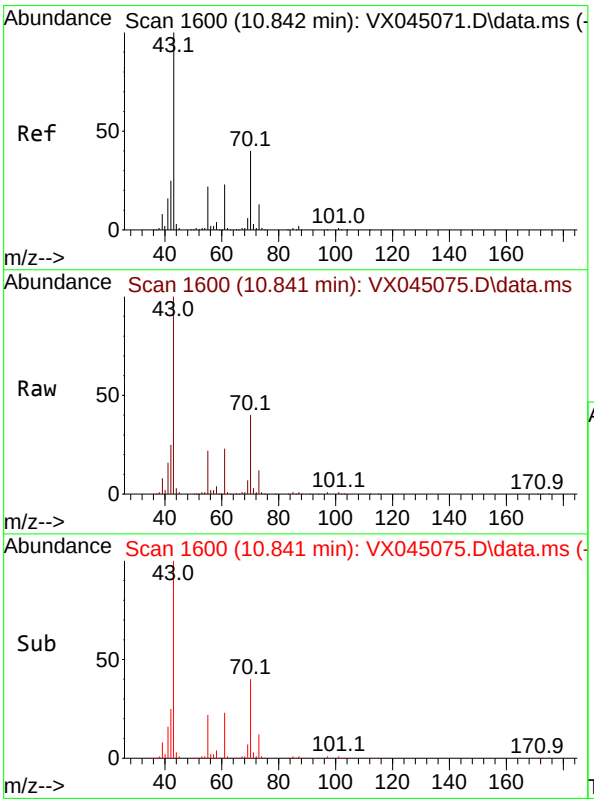
Ion	Ratio	Lower	Upper
105	100		
120	25.9	13.2	39.5



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations APPROVED

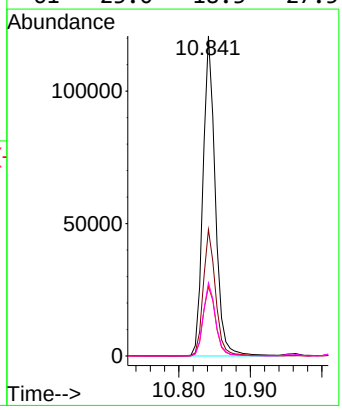
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

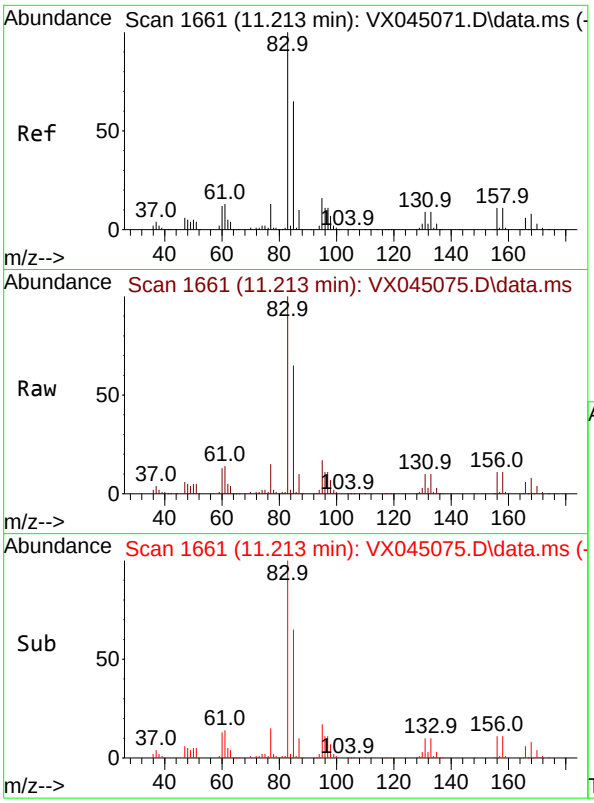


#74
N-amyl acetate
Concen: 56.851 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

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

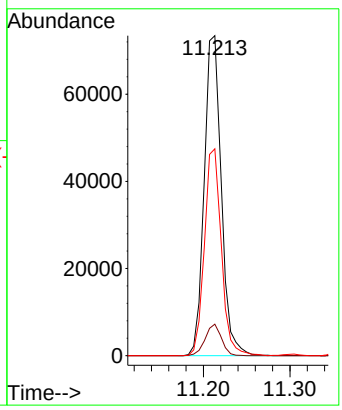




#75
1,1,2,2-Tetrachloroethane
Concen: 50.741 ug/l
RT: 11.213 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 83 Resp: 10080

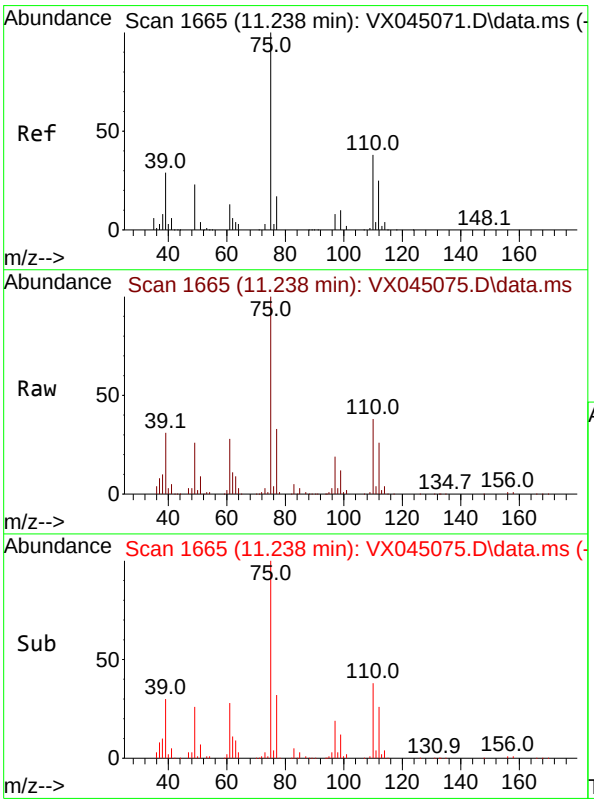
Ion	Ratio	Lower	Upper
83	100		
131	9.4	4.5	13.4
85	64.0	31.7	95.1



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations
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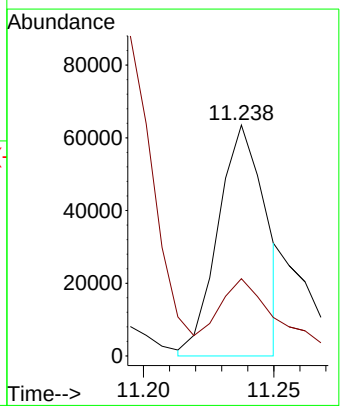
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

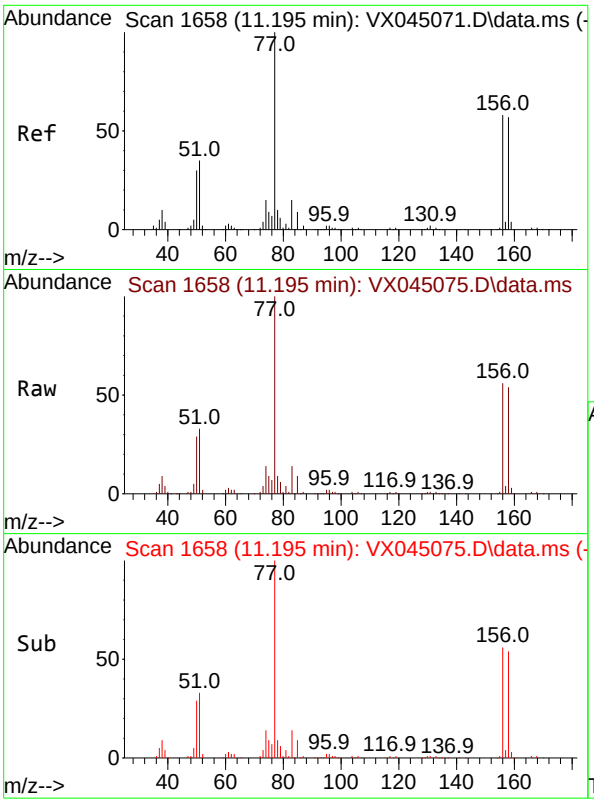


#76
1,2,3-Trichloropropane
Concen: 49.940 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 75 Resp: 80618

Ion	Ratio	Lower	Upper
75	100		
77	42.5	20.7	62.1

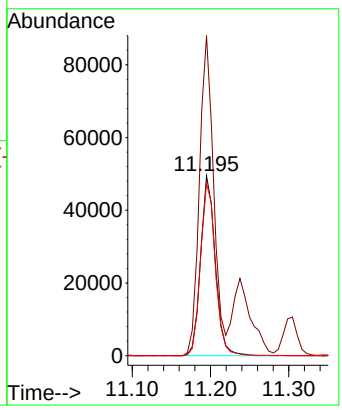




#77
Bromobenzene
Concen: 50.360 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:156 Resp: 6432

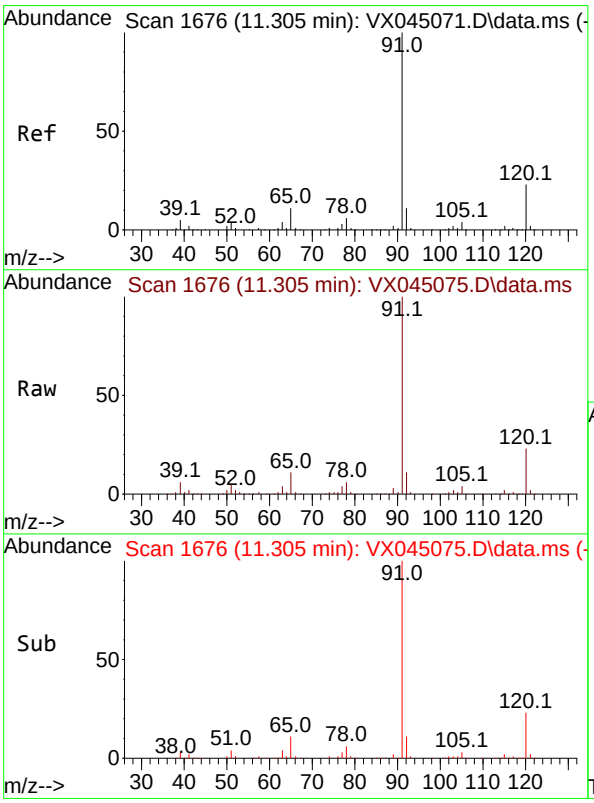
Ion	Ratio	Lower	Upper
156	100		
77	172.1	85.8	257.4
158	96.5	48.4	145.2



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations APPROVED

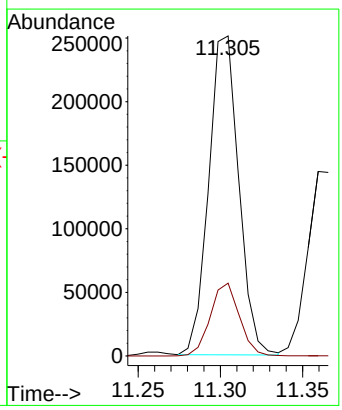
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

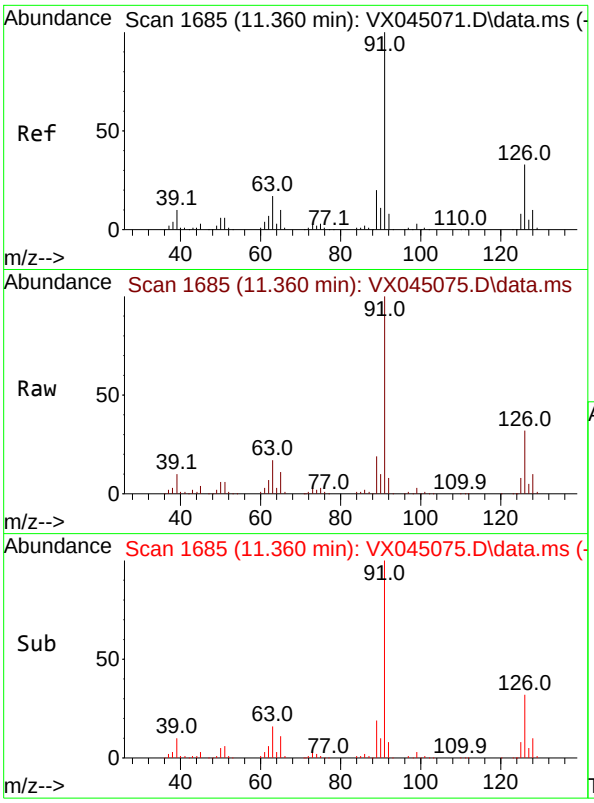


#78
n-propylbenzene
Concen: 52.203 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 91 Resp: 319235

Ion	Ratio	Lower	Upper
91	100		
120	22.2	11.2	33.6

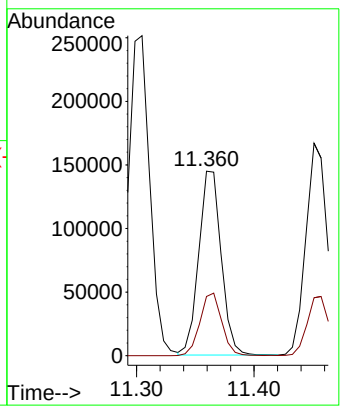




#79
2-Chlorotoluene
Concen: 49.338 ug/l
RT: 11.360 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 91 Resp: 19215

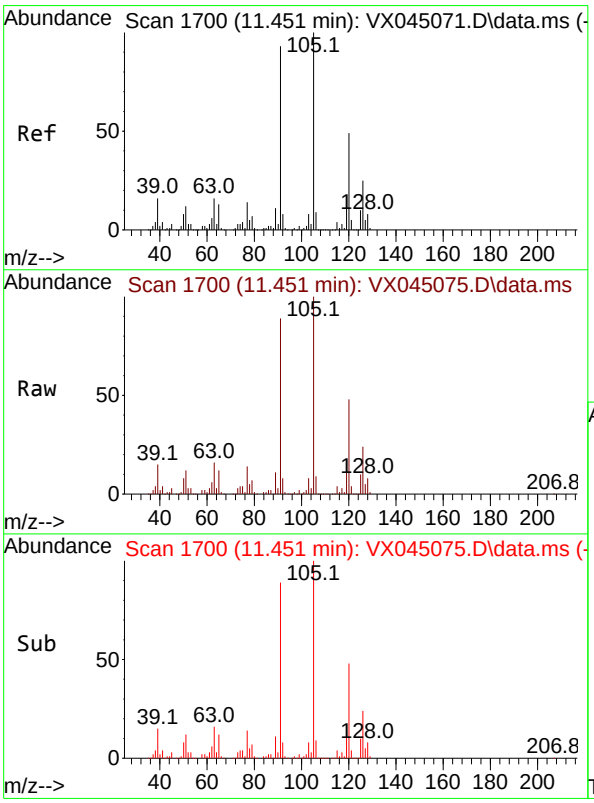
Ion	Ratio	Lower	Upper
91	100		
126	33.1	16.4	49.4



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations
APPROVED

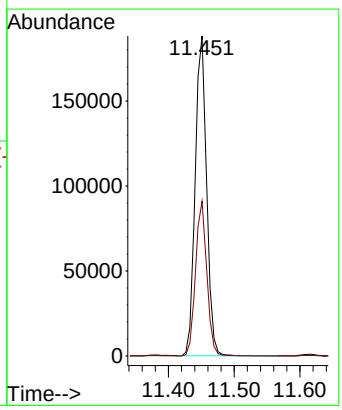
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

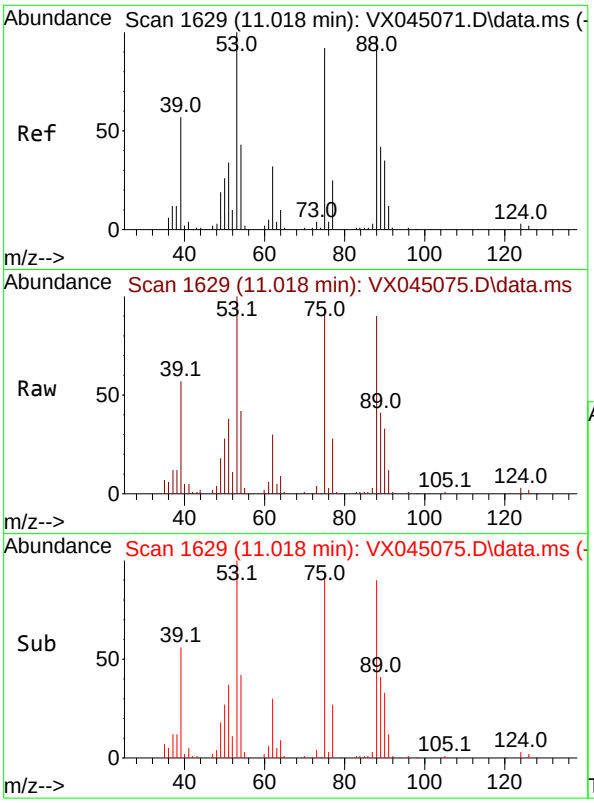


#80
1,3,5-Trimethylbenzene
Concen: 51.544 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:105 Resp: 225622

Ion	Ratio	Lower	Upper
105	100		
120	48.0	24.1	72.2

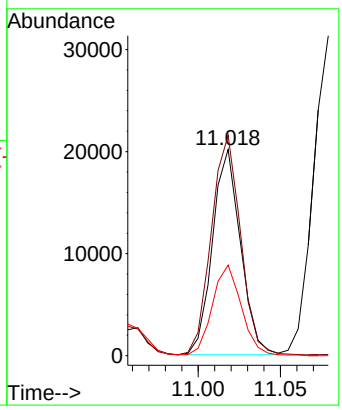




#81
trans-1,4-Dichloro-2-butene
Concen: 50.757 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 75 Resp: 2394

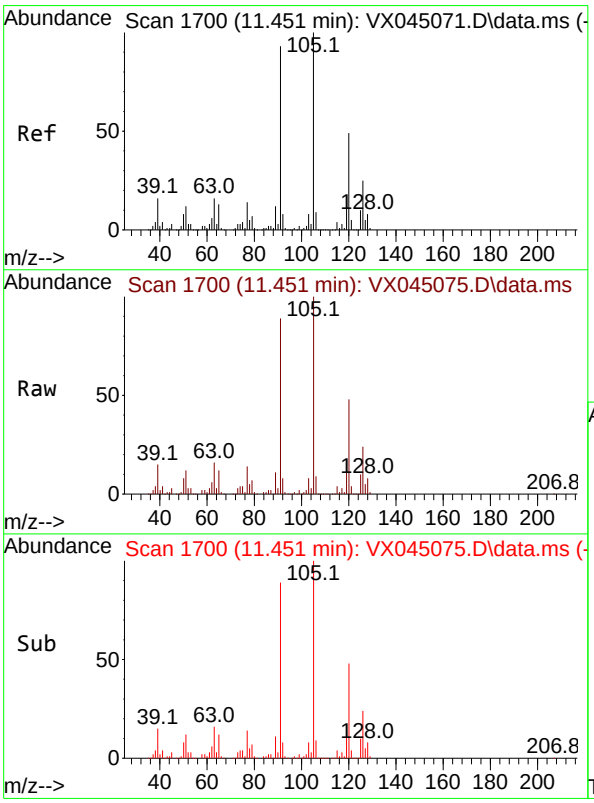
Ion	Ratio	Lower	Upper
75	100		
53	111.4	88.5	132.7
89	45.8	36.2	54.4



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations
APPROVED

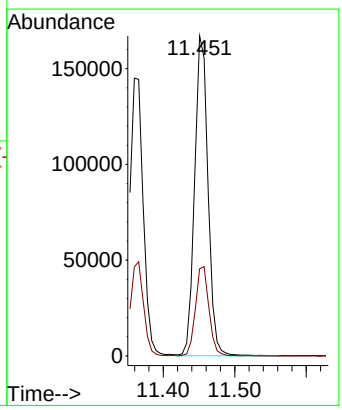
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

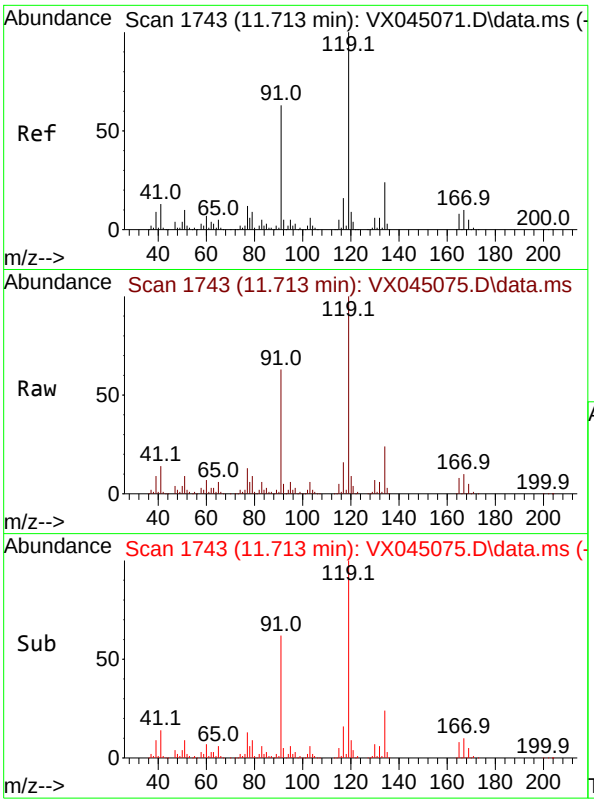


#82
4-Chlorotoluene
Concen: 51.009 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 91 Resp: 216511

Ion	Ratio	Lower	Upper
91	100		
126	28.3	14.1	42.4

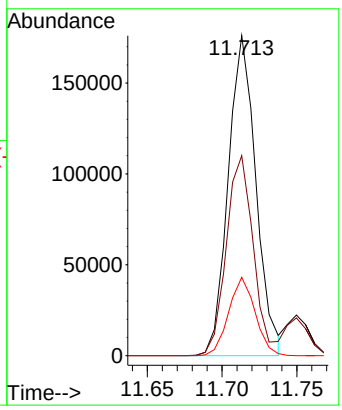




#83
tert-Butylbenzene
Concen: 50.552 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:119 Resp: 22735

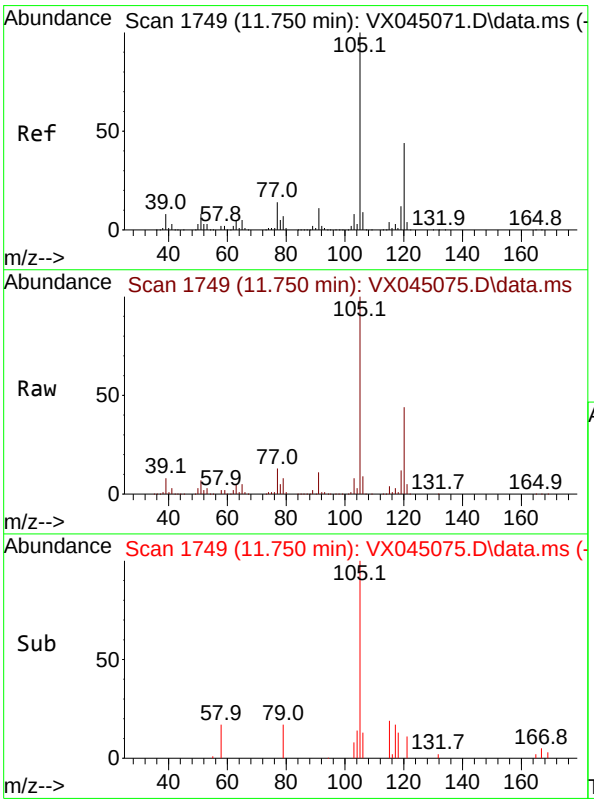
Ion	Ratio	Lower	Upper
119	100		
91	61.1	30.7	92.1
134	23.4	11.7	35.0



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations
APPROVED

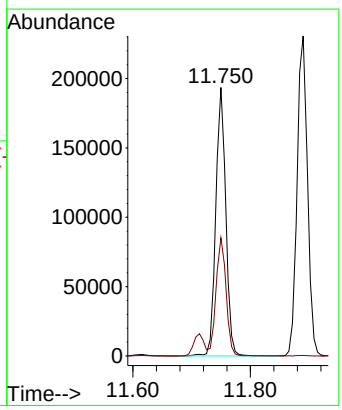
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

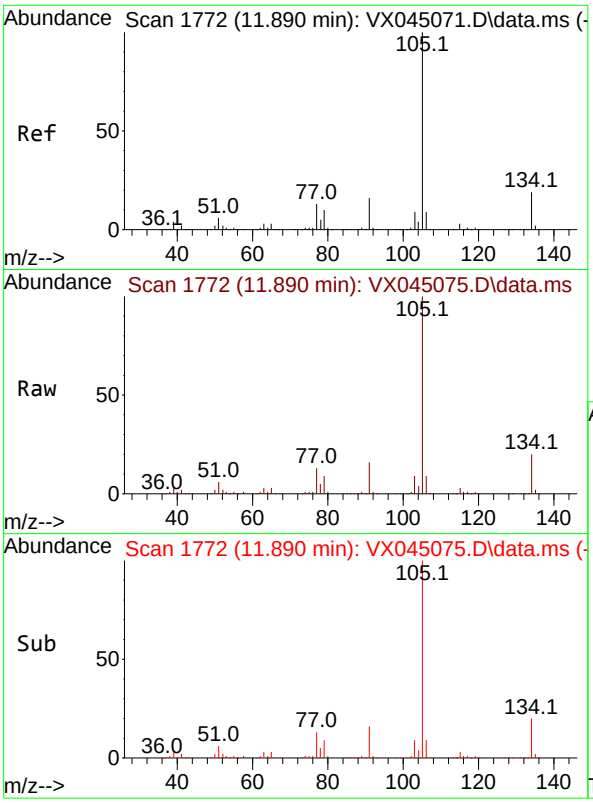


#84
1,2,4-Trimethylbenzene
Concen: 51.932 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

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

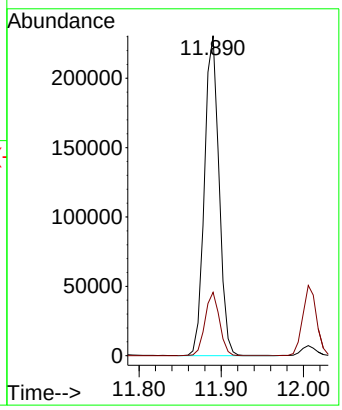
Tgt Ion:105 Resp: 28393

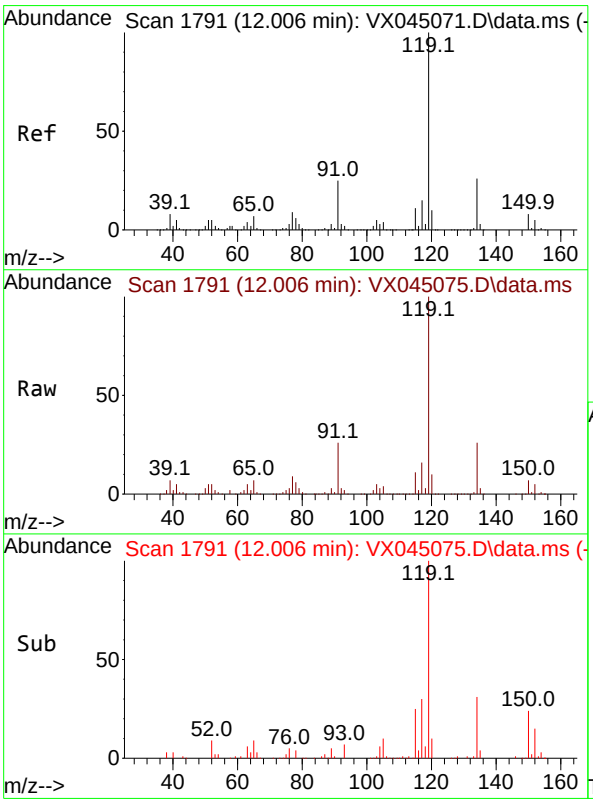
Ion	Ratio	Lower	Upper
105	100		
134	19.6	9.8	29.4

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

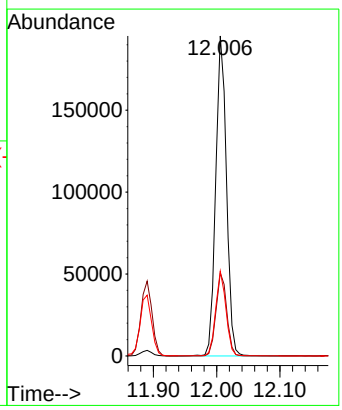


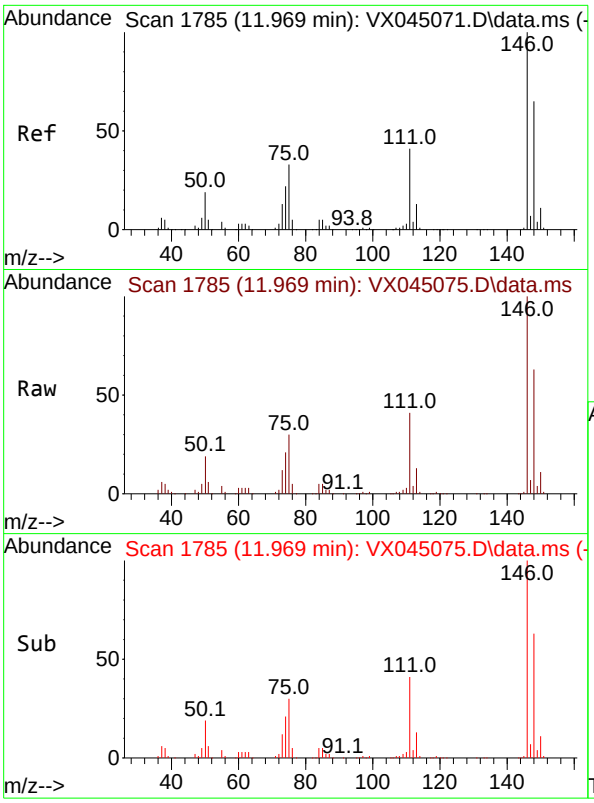


#86
p-Isopropyltoluene
Concen: 52.803 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

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

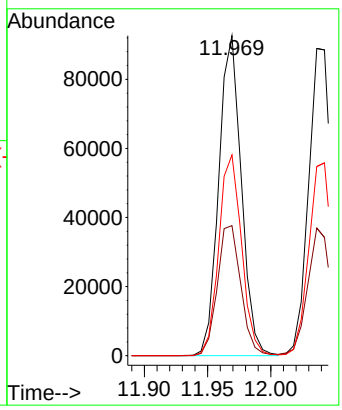




#87
1,3-Dichlorobenzene
Concen: 50.372 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:146 Resp: 11477

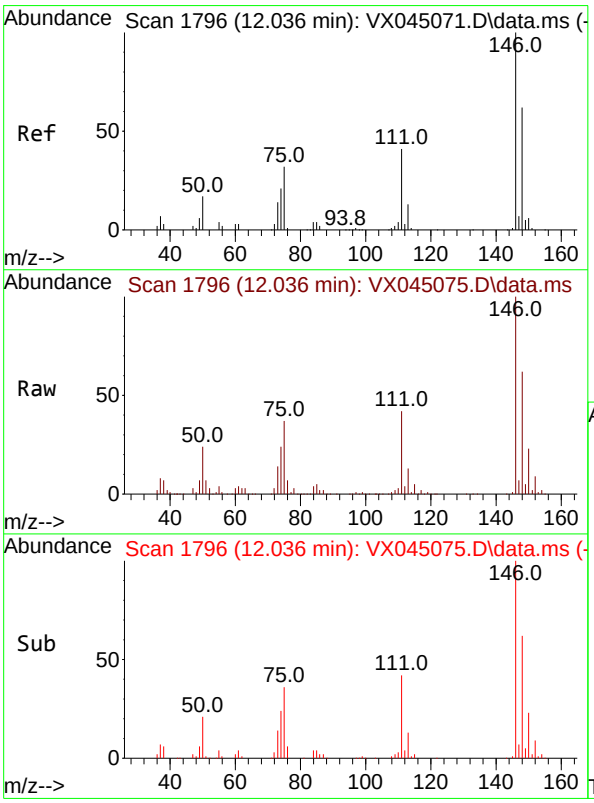
Ion	Ratio	Lower	Upper
146	100		
111	42.5	21.1	63.4
148	63.6	31.9	95.7



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations APPROVED

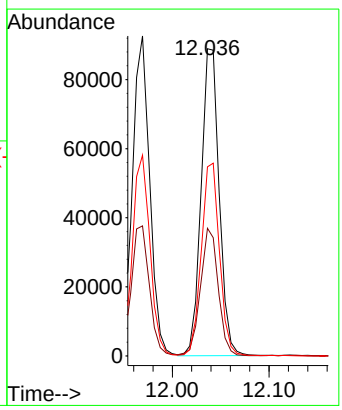
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

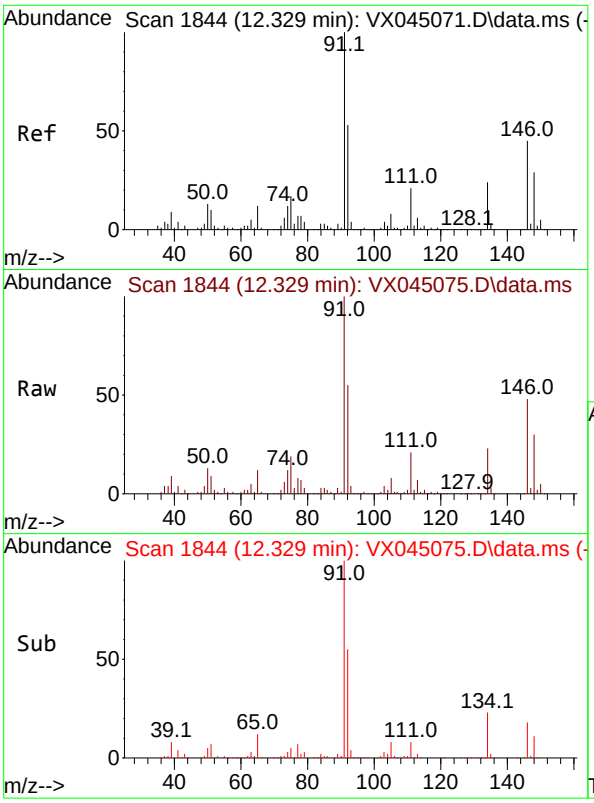


#88
1,4-Dichlorobenzene
Concen: 50.097 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

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

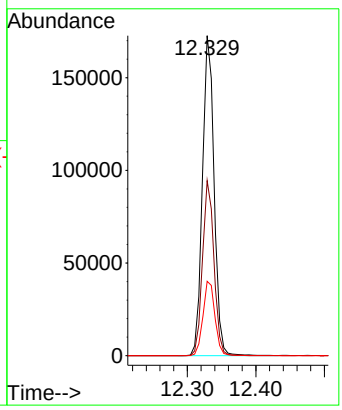




#89
n-Butylbenzene
Concen: 54.662 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 91 Resp: 20497

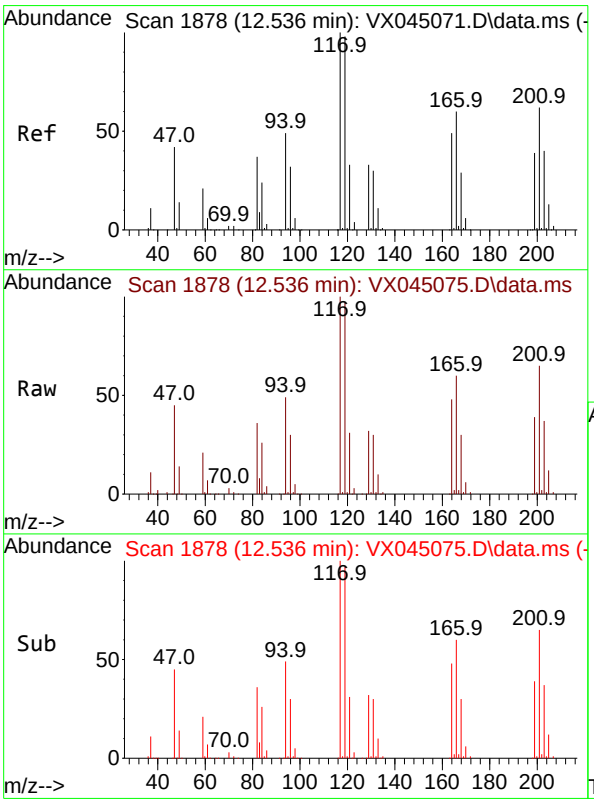
Ion	Ratio	Lower	Upper
91	100		
92	53.8	26.7	80.0
134	23.9	12.2	36.6



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations
APPROVED

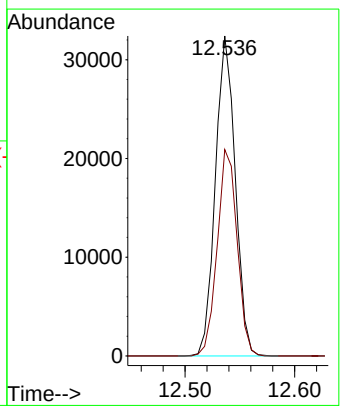
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

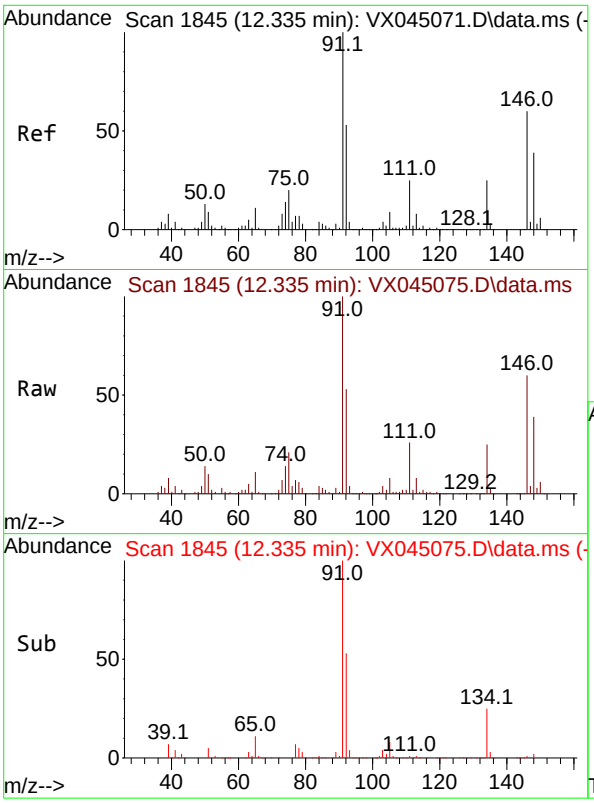


#90
Hexachloroethane
Concen: 51.866 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:117 Resp: 40844

Ion	Ratio	Lower	Upper
117	100		
201	64.7	31.9	95.9

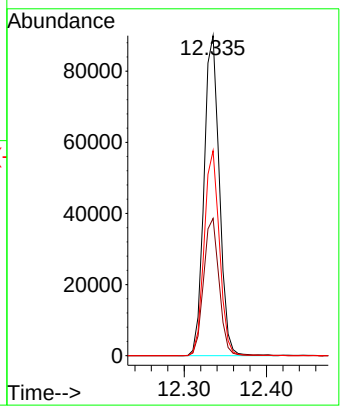




#91
1,2-Dichlorobenzene
Concen: 50.899 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:146 Resp: 11634

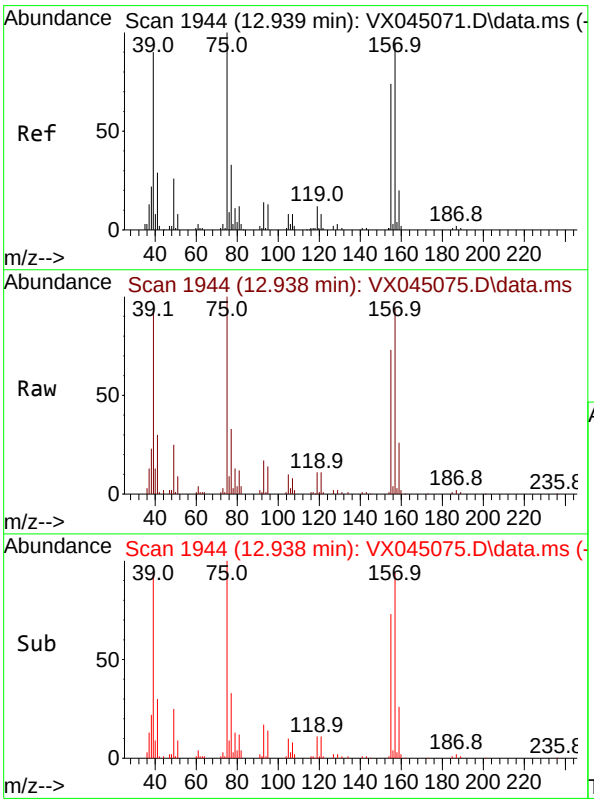
Ion	Ratio	Lower	Upper
146	100		
111	43.2	21.6	65.0
148	63.9	31.9	95.9



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations APPROVED

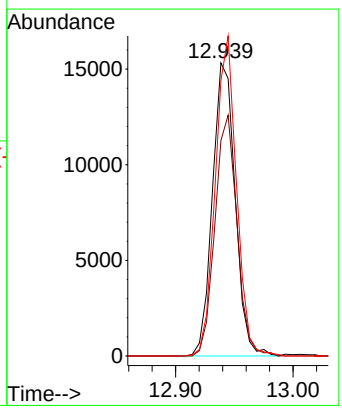
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

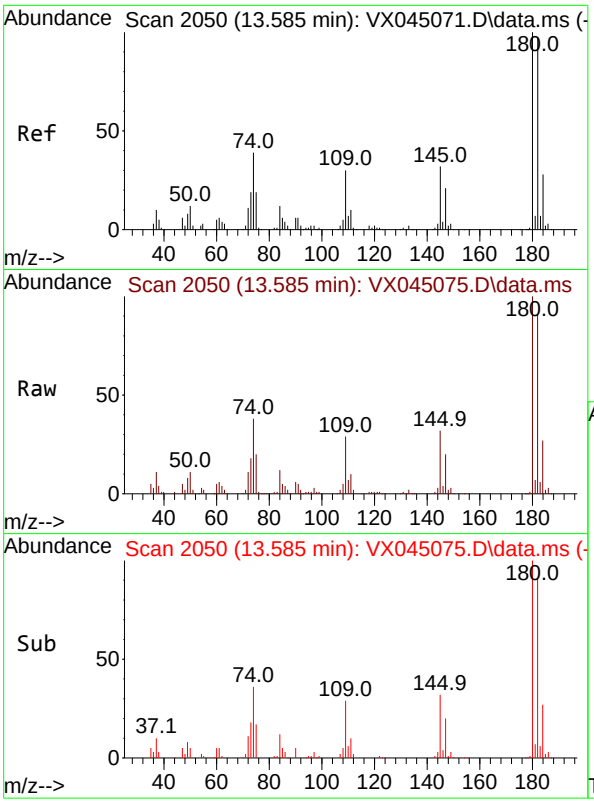


#92
1,2-Dibromo-3-Chloropropane
Concen: 53.199 ug/l
RT: 12.938 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

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

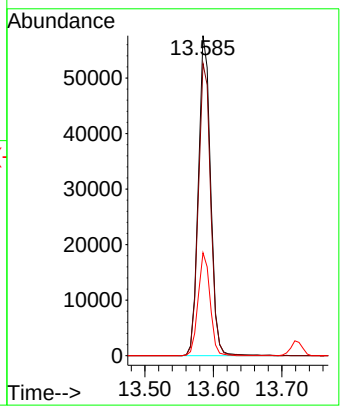




#93
1,2,4-Trichlorobenzene
Concen: 54.834 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:180 Resp: 7136

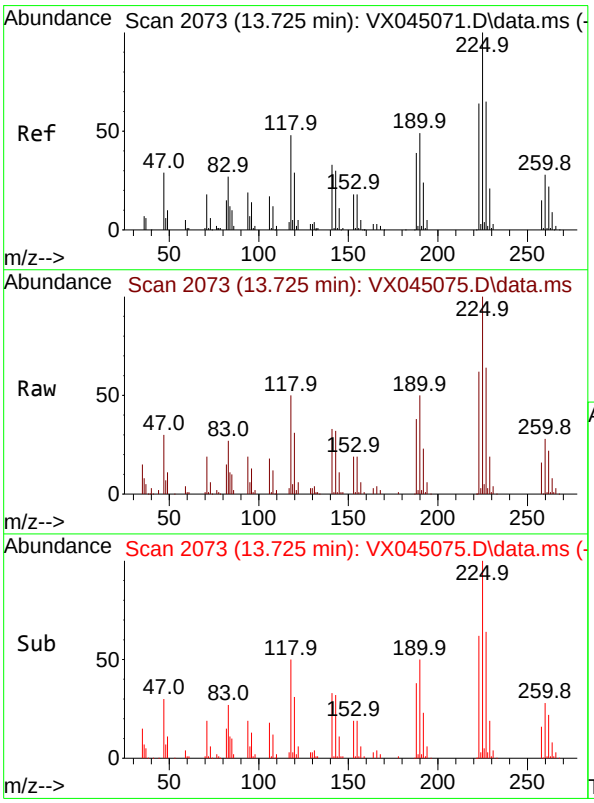
Ion	Ratio	Lower	Upper
180	100		
182	92.4	47.3	141.9
145	31.6	16.3	48.9



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations
APPROVED

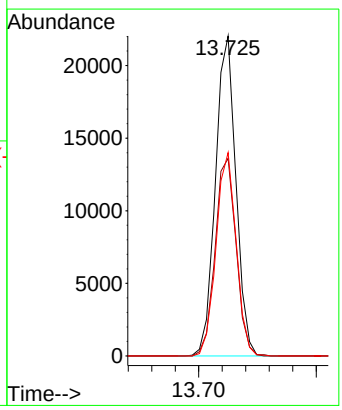
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

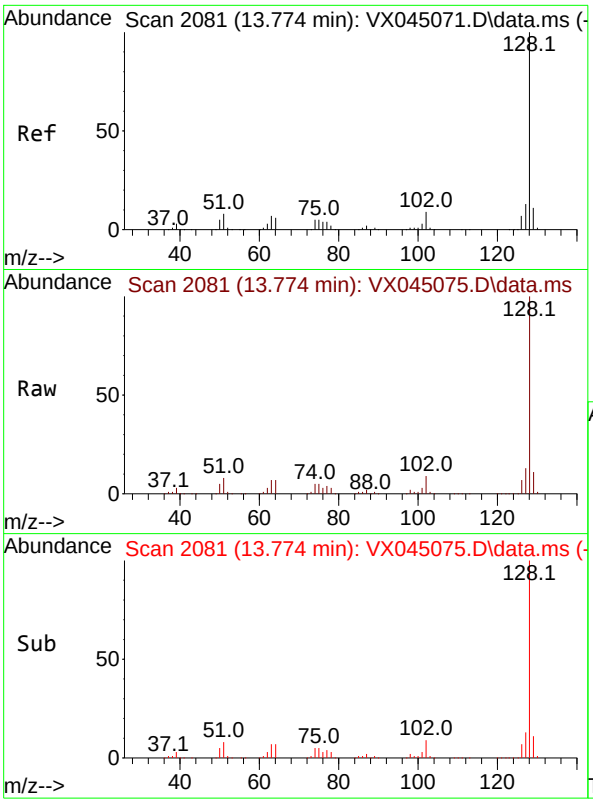


#94
Hexachlorobutadiene
Concen: 50.032 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

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

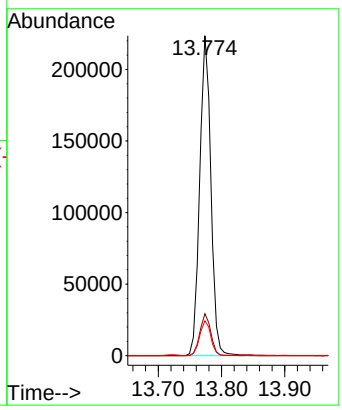




#95
Naphthalene
Concen: 55.163 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:128 Resp: 27584

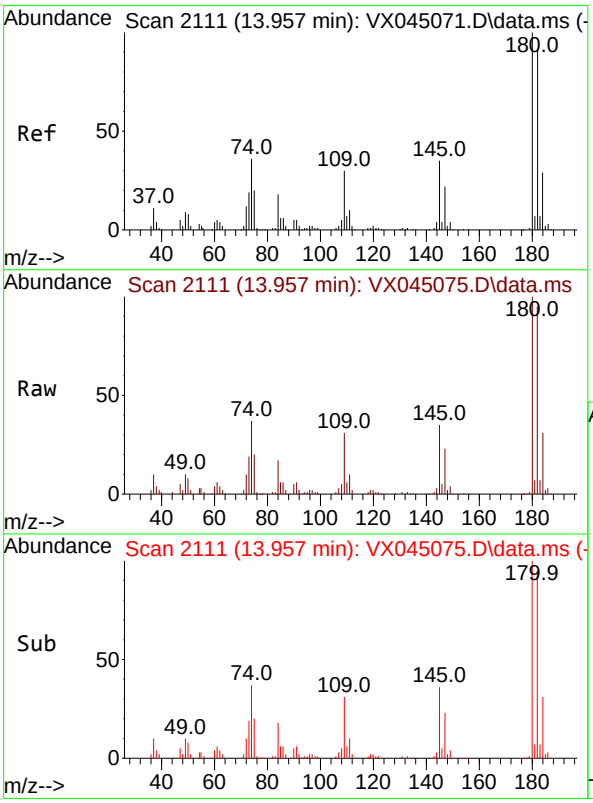
Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.3	15.5
129	10.9	8.7	13.1



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations
APPROVED

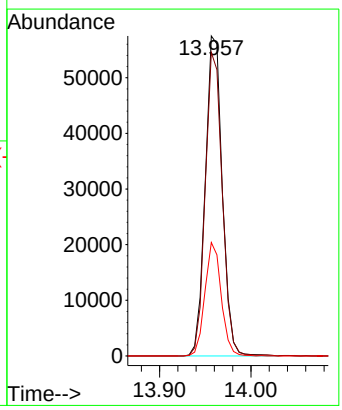
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#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.: Q1608 SAS No.: Q1608 SDG No.: Q1608

Instrument ID: MSVOA_X Calibration Date/Time: 03/21/2025 10:00

Lab File ID: VX045375.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	0.662		5.25	20
Chloromethane	0.770	0.684	0.1	-11.17	20
Vinyl Chloride	0.764	0.690		-9.69	20
Bromomethane	0.300	0.302		0.67	20
Chloroethane	0.352	0.328		-6.82	20
Trichlorofluoromethane	1.012	1.044		3.16	20
1,1,2-Trichlorotrifluoroethane	0.581	0.692		19.1	20
1,1-Dichloroethene	0.614	0.632		2.93	20
Acetone	0.369	0.426		15.45	20
Carbon Disulfide	1.636	1.372		-16.14	20
Methyl tert-butyl Ether	2.061	2.226		8.01	20
Methyl Acetate	0.888	1.244		40.09	20
Methylene Chloride	0.731	0.735		0.55	20
trans-1,2-Dichloroethene	0.607	0.625		2.96	20
1,1-Dichloroethane	1.247	1.332	0.1	6.82	20
Cyclohexane	1.082	1.107		2.31	20
2-Butanone	0.555	0.610		9.91	20
Carbon Tetrachloride	0.465	0.543		16.77	20
cis-1,2-Dichloroethene	0.749	0.799		6.68	20
Bromochloromethane	0.594	0.623		4.88	20
Chloroform	1.239	1.364		10.09	20
1,1,1-Trichloroethane	1.000	1.111		11.1	20
Methylcyclohexane	0.549	0.626		14.03	20
Benzene	1.448	1.566		8.15	20
1,2-Dichloroethane	0.521	0.622		19.39	20
Trichloroethene	0.340	0.364		7.06	20
1,2-Dichloropropane	0.372	0.404		8.6	20
Bromodichloromethane	0.516	0.613		18.8	20
4-Methyl-2-Pentanone	0.587	0.667		13.63	20
Toluene	0.849	0.943		11.07	20
t-1,3-Dichloropropene	0.431	0.541		25.52	20
cis-1,3-Dichloropropene	0.503	0.615		22.27	20
1,1,2-Trichloroethane	0.350	0.382		9.14	20
2-Hexanone	0.425	0.492		15.77	20
Dibromochloromethane	0.366	0.432		18.03	20
1,2-Dibromoethane	0.349	0.387		10.89	20
Tetrachloroethene	0.320	0.362		13.13	20
Chlorobenzene	1.058	1.187	0.3	12.19	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.: Q1608 SAS No.: Q1608 SDG No.: Q1608

Instrument ID: MSVOA_X Calibration Date/Time: 03/21/2025 10:00

Lab File ID: VX045375.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	2.112		14.6	20
m/p-Xylenes	0.675	0.771		14.22	20
o-Xylene	0.681	0.750		10.13	20
Styrene	1.101	1.269		15.26	20
Bromoform	0.266	0.316	0.1	18.8	20
Isopropylbenzene	3.903	4.394		12.58	20
1,1,2,2-Tetrachloroethane	1.432	1.519	0.3	6.07	20
1,3-Dichlorobenzene	1.643	1.791		9.01	20
1,4-Dichlorobenzene	1.662	1.795		8	20
1,2-Dichlorobenzene	1.648	1.801		9.28	20
1,2-Dibromo-3-Chloropropane	0.279	0.327		17.2	20
1,2,4-Trichlorobenzene	0.938	1.099		17.16	20
1,2,3-Trichlorobenzene	0.990	1.168		17.98	20
1,2-Dichloroethane-d4	0.795	0.856		7.67	20
Dibromofluoromethane	0.334	0.369		10.48	20
Toluene-d8	1.212	1.255		3.55	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\VX032125\
Data File : VX045375.D
Acq On : 21 Mar 2025 10:00
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 21 23:09:09 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 :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.543	168	92791	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.750	114	160605	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	137508	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	63153	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	79413	53.804	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 107.600%			
35) Dibromofluoromethane	5.373	113	59186	55.112	ug/l	-0.01
Spiked Amount 50.000	Range 75 - 124		Recovery = 110.220%			
50) Toluene-d8	8.646	98	201541	51.765	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.540%			
62) 4-Bromofluorobenzene	11.079	95	70360	54.537	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 109.080%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	61468	52.626	ug/l	97
3) Chloromethane	1.306	50	63471	44.404	ug/l	95
4) Vinyl Chloride	1.373	62	64036	45.160	ug/l	98
5) Bromomethane	1.593	94	27995	50.221	ug/l	99
6) Chloroethane	1.660	64	30390	46.464	ug/l	97
7) Trichlorofluoromethane	1.867	101	96873	51.606	ug/l	98
8) Diethyl Ether	2.135	74	33633	45.807	ug/l	93
9) 1,1,2-Trichlorotrifluo...	2.312	101	64252	59.577	ug/l	99
10) Methyl Iodide	2.440	142	73240	54.343	ug/l	95
11) Tert butyl alcohol	2.989	59	63537	227.264	ug/l	98
12) 1,1-Dichloroethene	2.306	96	58618	51.410	ug/l	98
13) Acrolein	2.233	56	74499	230.519	ug/l	98
14) Allyl chloride	2.654	41	111653	55.012	ug/l	95
15) Acrylonitrile	3.062	53	200371	267.415	ug/l	100
16) Acetone	2.385	43	197839	288.897	ug/l	98
17) Carbon Disulfide	2.501	76	127332	41.928	ug/l	97
18) Methyl Acetate	2.702	43	115450	70.079	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	206541	53.992	ug/l	98
20) Methylene Chloride	2.782	84	68170	50.254	ug/l	98
21) trans-1,2-Dichloroethene	3.080	96	58005	51.494	ug/l	95
22) Diisopropyl ether	3.757	45	224386	54.361	ug/l	92
23) Vinyl Acetate	3.714	43	937999	272.307	ug/l	99
24) 1,1-Dichloroethane	3.598	63	123590	53.425	ug/l	100
25) 2-Butanone	4.556	43	282964	274.508	ug/l	97
26) 2,2-Dichloropropane	4.464	77	88812	81.849	ug/l	94
27) cis-1,2-Dichloroethene	4.476	96	74124	53.306	ug/l	93
28) Bromochloromethane	4.885	49	57779	52.401	ug/l	97
29) Tetrahydrofuran	5.001	42	176019	254.275	ug/l	99
30) Chloroform	5.080	83	126577	55.068	ug/l	98
31) Cyclohexane	5.458	56	102713	51.149	ug/l	95
32) 1,1,1-Trichloroethane	5.373	97	103105	55.539	ug/l	97
36) 1,1-Dichloropropene	5.683	75	79271	53.824	ug/l	99
37) Ethyl Acetate	4.708	43	102184	53.844	ug/l	100
38) Carbon Tetrachloride	5.665	117	87195	58.316	ug/l	99
39) Methylcyclohexane	7.372	83	100526	56.964	ug/l	98
40) Benzene	6.025	78	251470	54.071	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032125\
Data File : VX045375.D
Acq On : 21 Mar 2025 10:00
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 21 23:09:09 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 :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.915	41	60824	59.274	ug/l		99
42) 1,2-Dichloroethane	6.080	62	99960	59.688	ug/l		98
43) Isopropyl Acetate	6.336	43	158796	56.586	ug/l		99
44) Trichloroethene	7.116	130	58470	53.543	ug/l		99
45) 1,2-Dichloropropane	7.421	63	64849	54.233	ug/l		97
46) Dibromomethane	7.573	93	49192	58.204	ug/l		97
47) Bromodichloromethane	7.817	83	98390	59.351	ug/l		99
48) Methyl methacrylate	7.689	41	83186	59.086	ug/l		94
49) 1,4-Dioxane	7.659	88	27870	938.459	ug/l		94
51) 4-Methyl-2-Pentanone	8.573	43	535400	284.145	ug/l		99
52) Toluene	8.713	92	151414	55.490	ug/l		99
53) t-1,3-Dichloropropene	8.976	75	86916	62.714	ug/l		95
54) cis-1,3-Dichloropropene	8.360	75	98708	61.078	ug/l		92
55) 1,1,2-Trichloroethane	9.146	97	61375	54.637	ug/l		98
56) Ethyl methacrylate	9.116	69	96944	56.775	ug/l		93
57) 1,3-Dichloropropane	9.305	76	106911	54.996	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.238	63	241784	290.277	ug/l		98
59) 2-Hexanone	9.427	43	394789	289.177	ug/l		98
60) Dibromochloromethane	9.518	129	69357	59.051	ug/l		99
61) 1,2-Dibromoethane	9.604	107	62209	55.474	ug/l		99
64) Tetrachloroethene	9.268	164	49823	56.573	ug/l		96
65) Chlorobenzene	10.073	112	163205	56.091	ug/l		100
66) 1,1,1,2-Tetrachloroethane	10.158	131	56003	57.796	ug/l		97
67) Ethyl Benzene	10.189	91	290458	57.291	ug/l		98
68) m/p-Xylenes	10.299	106	212125	114.295	ug/l		97
69) o-Xylene	10.640	106	103100	55.079	ug/l		96
70) Styrene	10.652	104	174503	57.615	ug/l		98
71) Bromoform	10.798	173	43497	59.529	ug/l	#	99
73) Isopropylbenzene	10.957	105	277512	56.299	ug/l		99
74) N-amyl acetate	10.841	43	130246	56.311	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.207	83	95947	53.043	ug/l		99
76) 1,2,3-Trichloropropane	11.237	75	80568m	54.812	ug/l		
77) Bromobenzene	11.195	156	62556	53.787	ug/l		96
78) n-propylbenzene	11.298	91	325584	58.471	ug/l		99
79) 2-Chlorotoluene	11.359	91	191329	53.953	ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	225866	56.669	ug/l		98
81) trans-1,4-Dichloro-2-b...	11.018	75	26280	61.185	ug/l		93
82) 4-Chlorotoluene	11.451	91	217941	56.390	ug/l		99
83) tert-Butylbenzene	11.713	119	225635	55.097	ug/l		97
84) 1,2,4-Trimethylbenzene	11.749	105	226630	56.511	ug/l		99
85) sec-Butylbenzene	11.890	105	290816	59.284	ug/l		99
86) p-Isopropyltoluene	12.006	119	235736	59.464	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	113122	54.523	ug/l		99
88) 1,4-Dichlorobenzene	12.036	146	113332	53.992	ug/l		98
89) n-Butylbenzene	12.329	91	216299	63.349	ug/l		99
90) Hexachloroethane	12.536	117	42009	58.585	ug/l		97
91) 1,2-Dichlorobenzene	12.335	146	113769	54.663	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.938	75	20643	58.578	ug/l		94
93) 1,2,4-Trichlorobenzene	13.585	180	69410	58.569	ug/l		98
94) Hexachlorobutadiene	13.725	225	30098	61.947	ug/l		99
95) Naphthalene	13.774	128	257595	56.574	ug/l		100
96) 1,2,3-Trichlorobenzene	13.962	180	73755	58.994	ug/l		97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032125\
Data File : VX045375.D
Acq On : 21 Mar 2025 10:00
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 21 23:09:09 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 :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

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

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

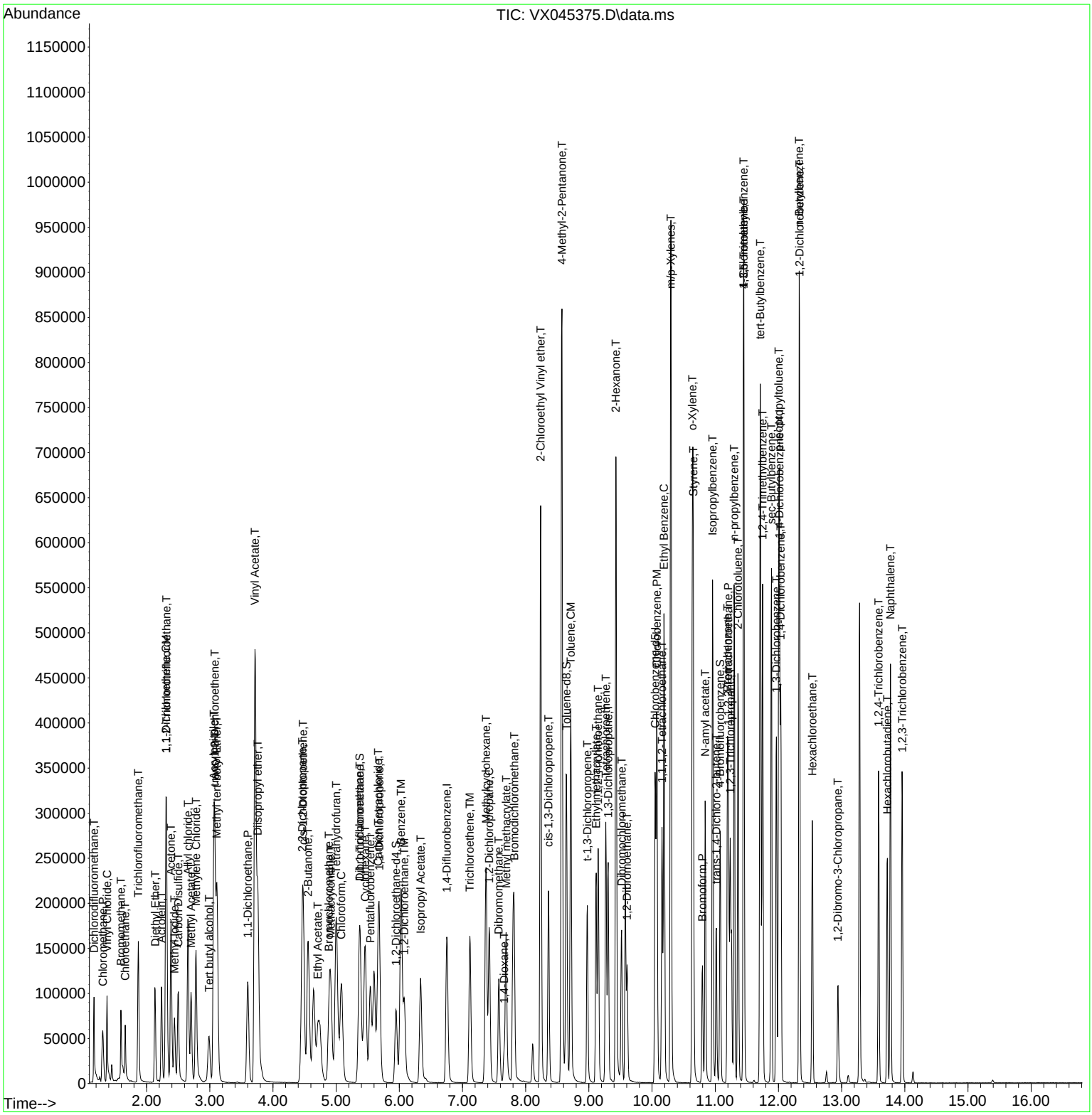
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Data File : VX045375.D
Acq On : 21 Mar 2025 10:00
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

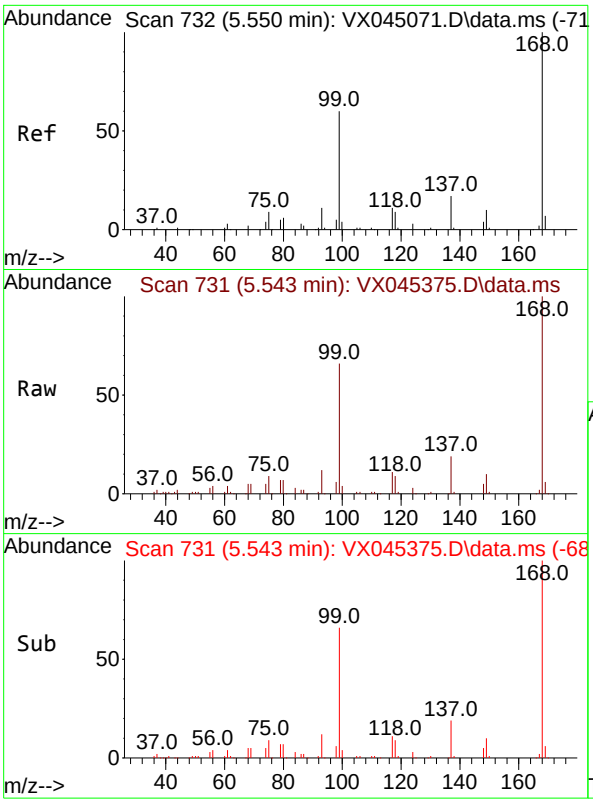
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Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 03/24/2025
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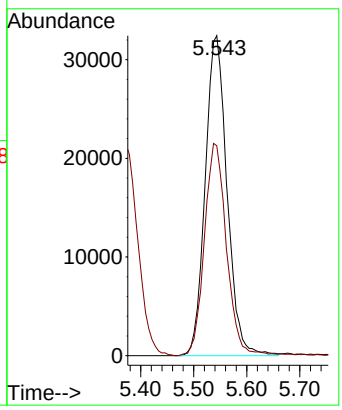




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.543 min Scan# 7
Delta R.T. -0.007 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion:168 Resp: 9279

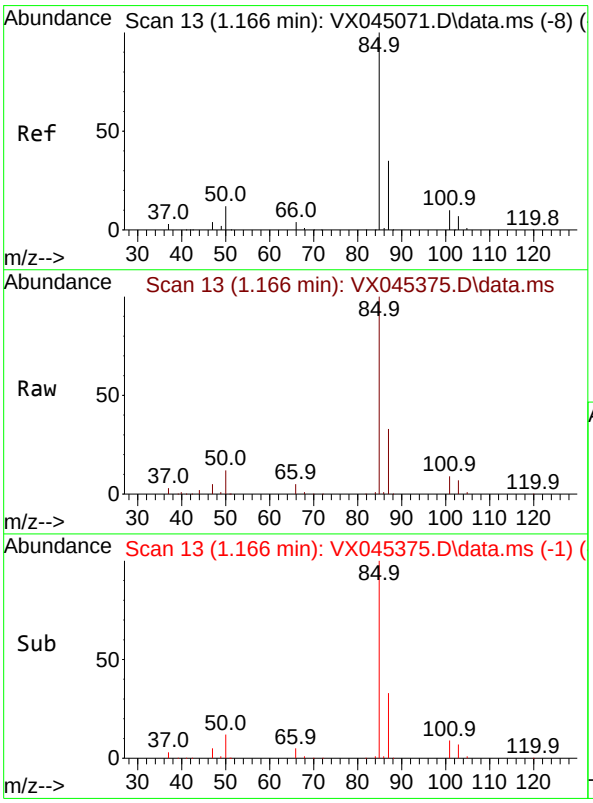
Ion	Ratio	Lower	Upper
168	100		
99	65.6	48.2	72.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

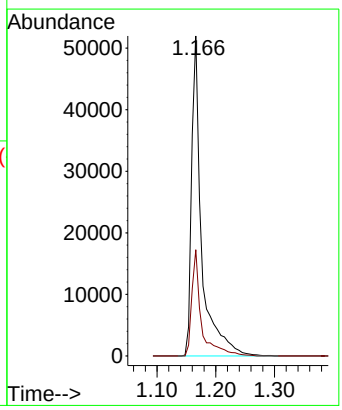
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

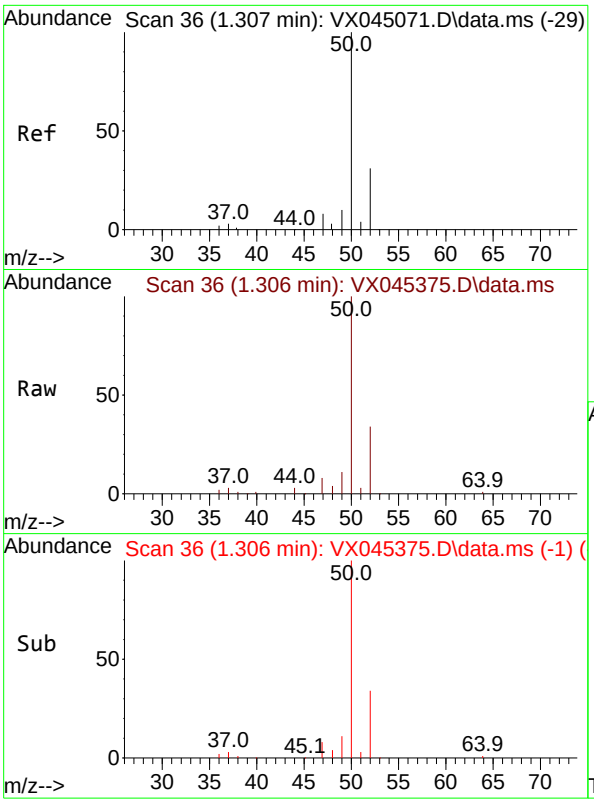


#2
Dichlorodifluoromethane
Concen: 52.626 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion: 85 Resp: 61468

Ion	Ratio	Lower	Upper
85	100		
87	33.2	17.4	52.3





#3
Chloromethane
Concen: 44.404 ug/l
RT: 1.306 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

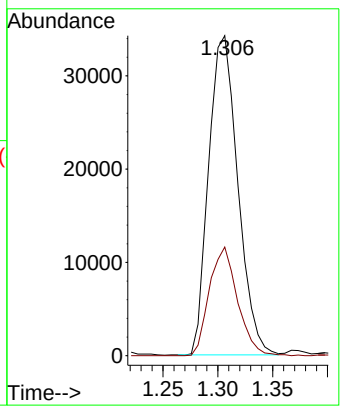
Tgt Ion: 50 Resp: 6347

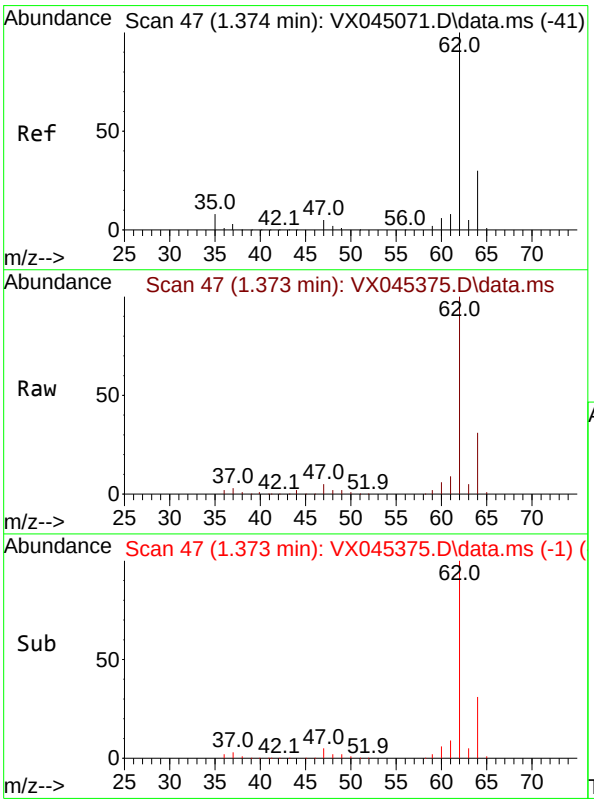
Ion	Ratio	Lower	Upper
50	100		
52	34.1	25.0	37.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

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Supervised By :Mahesh Dadoda 03/24/2025

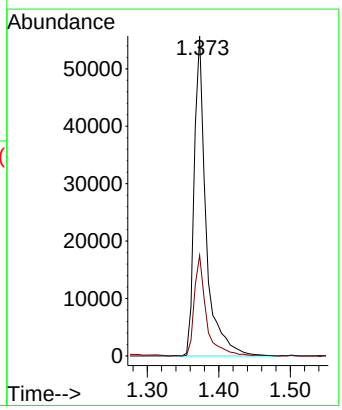


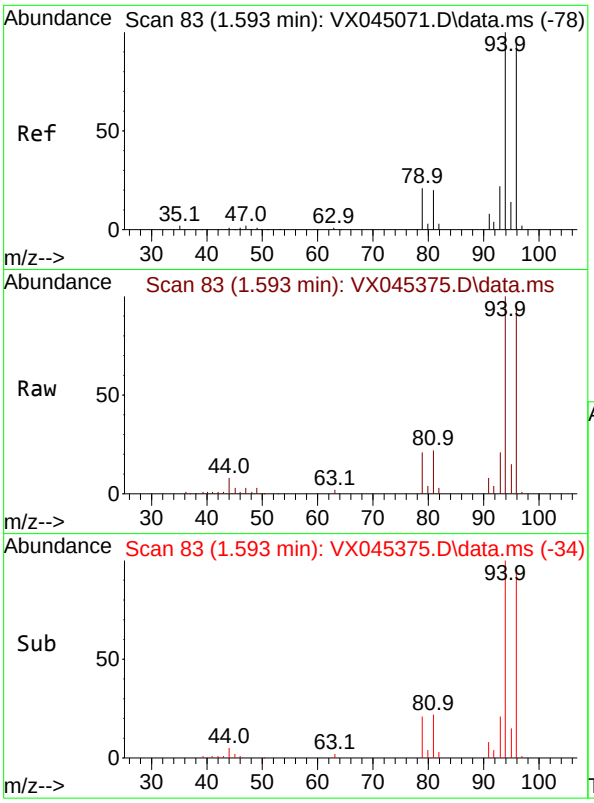


#4
Vinyl Chloride
Concen: 45.160 ug/l
RT: 1.373 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion: 62 Resp: 64036

Ion	Ratio	Lower	Upper
62	100		
64	31.4	24.3	36.5

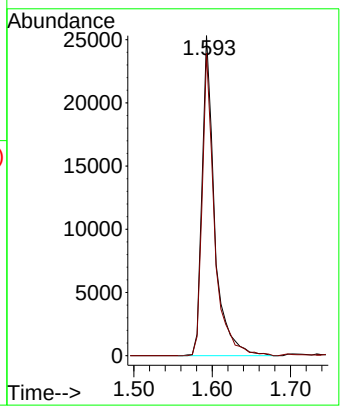




#5
Bromomethane
Concen: 50.221 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion: 94 Resp: 2799

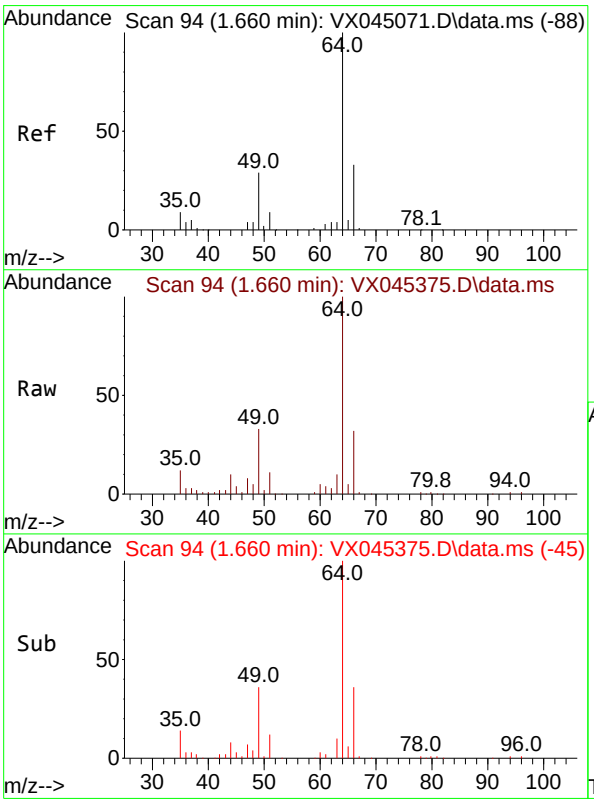
Ion	Ratio	Lower	Upper
94	100		
96	94.5	75.0	112.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

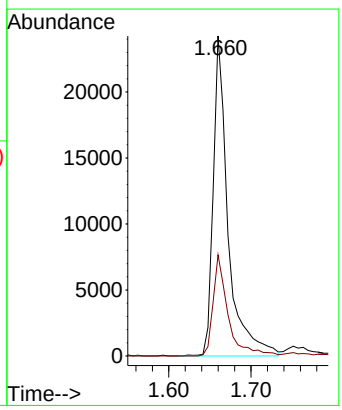
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

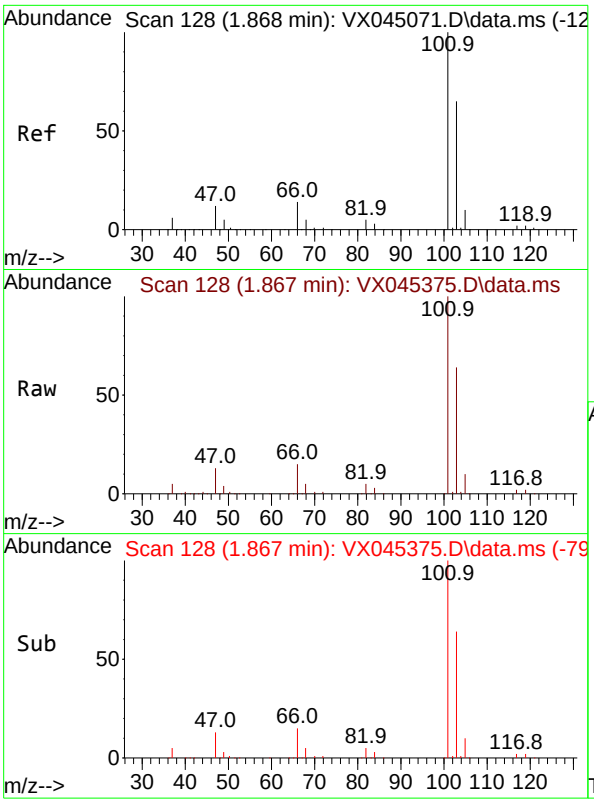


#6
Chloroethane
Concen: 46.464 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion: 64 Resp: 30390

Ion	Ratio	Lower	Upper
64	100		
66	31.6	26.7	40.1

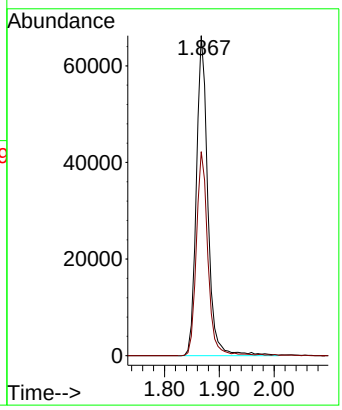




#7
Trichlorofluoromethane
Concen: 51.606 ug/l
RT: 1.867 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion:101 Resp: 9687

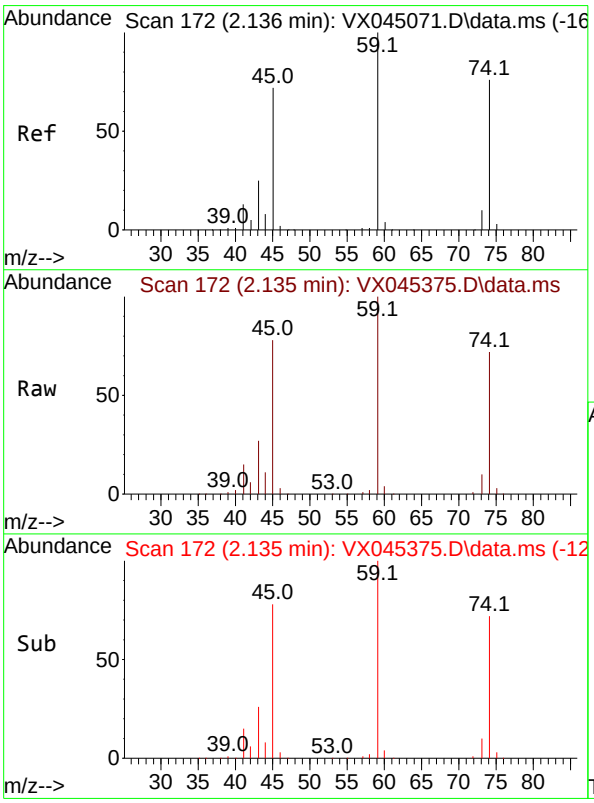
Ion	Ratio	Lower	Upper
101	100		
103	63.8	52.1	78.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

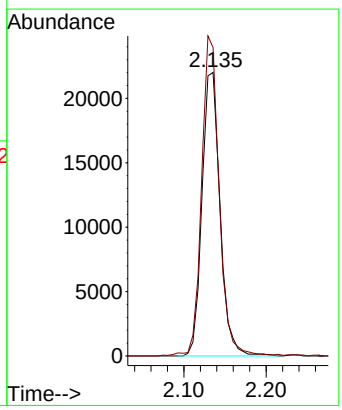
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

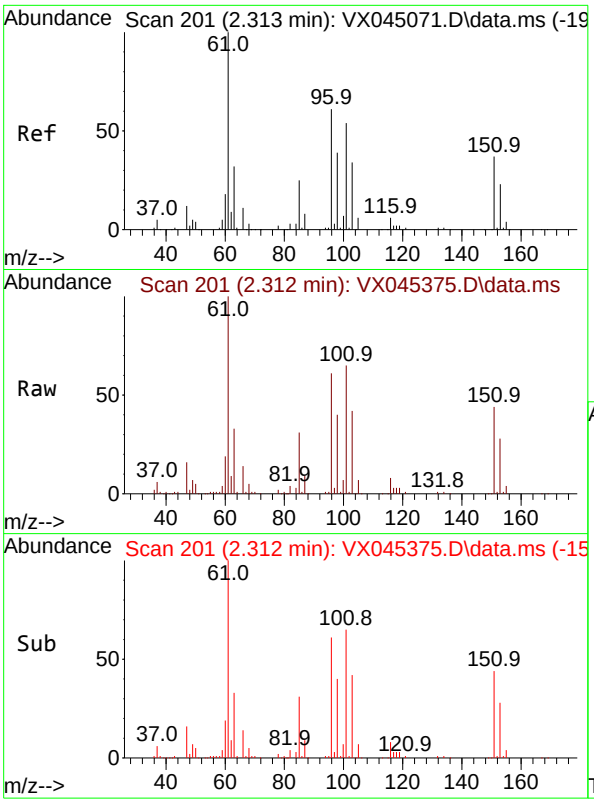


#8
Diethyl Ether
Concen: 45.807 ug/l
RT: 2.135 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion: 74 Resp: 33633

Ion	Ratio	Lower	Upper
74	100		
45	110.0	51.5	154.5

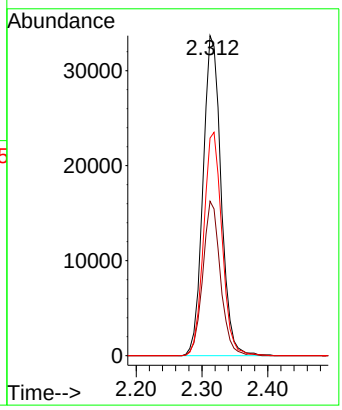




#9
1,1,2-Trichlorotrifluoroethane
Concen: 59.577 ug/l
RT: 2.312 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion:101 Resp: 6425

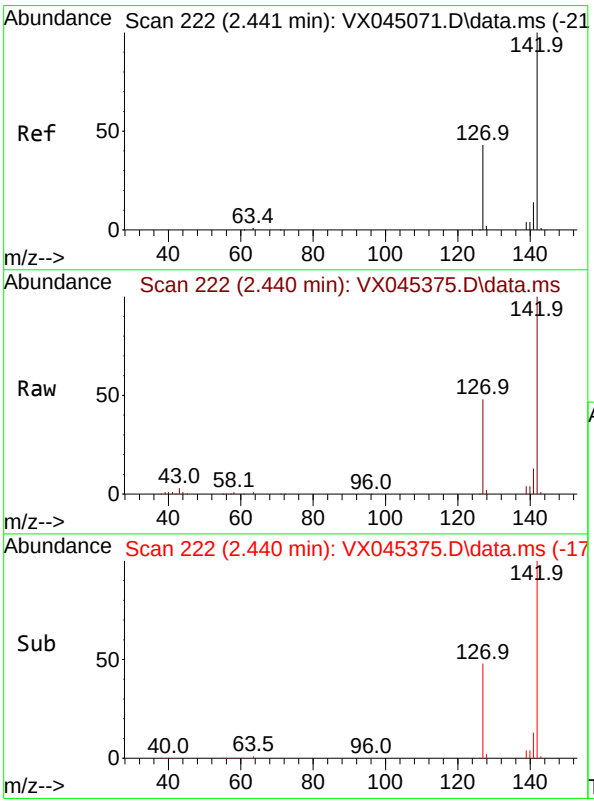
Ion	Ratio	Lower	Upper
101	100		
85	47.1	36.2	54.4
151	70.8	56.4	84.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

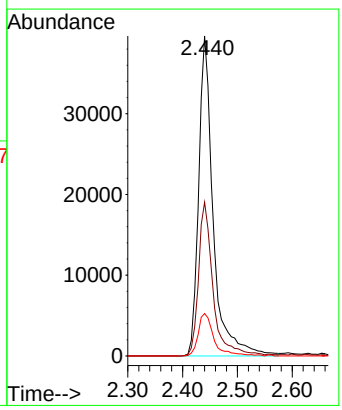
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

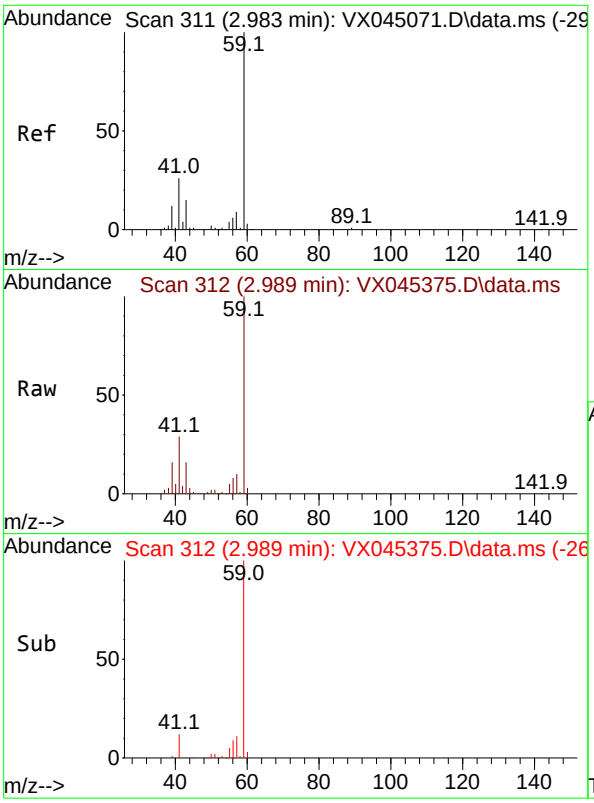


#10
Methyl Iodide
Concen: 54.343 ug/l
RT: 2.440 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion:142 Resp: 73240

Ion	Ratio	Lower	Upper
142	100		
127	48.4	35.4	53.2
141	14.4	11.6	17.4





#11
Tert butyl alcohol
Concen: 227.264 ug/l
RT: 2.989 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

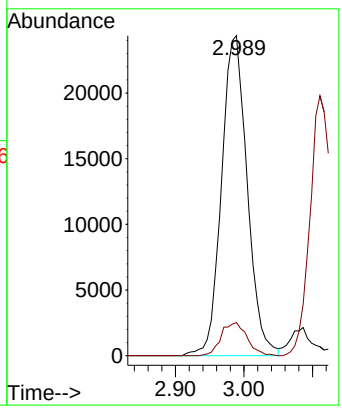
Tgt Ion: 59 Resp: 6353

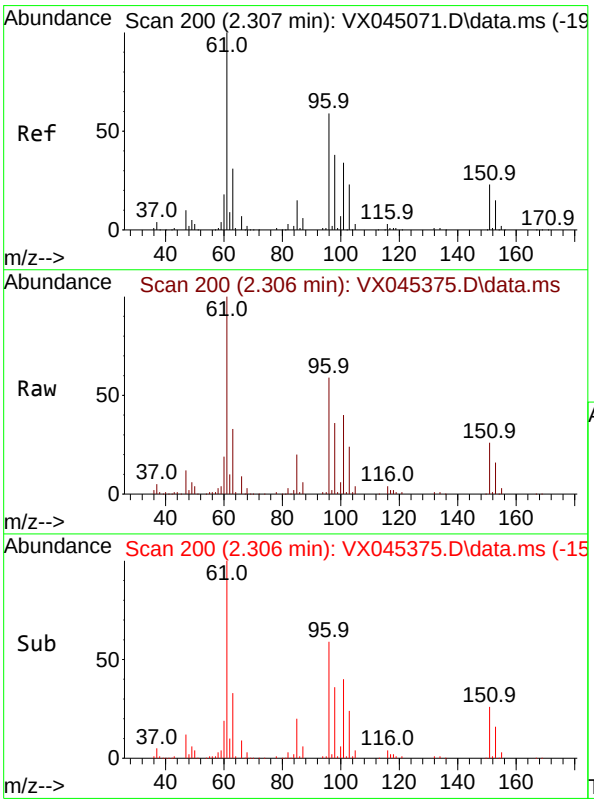
Ion	Ratio	Lower	Upper
59	100		
57	10.4	7.8	11.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

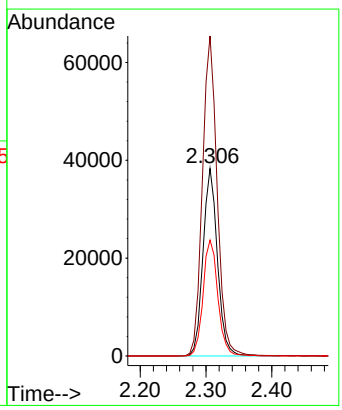


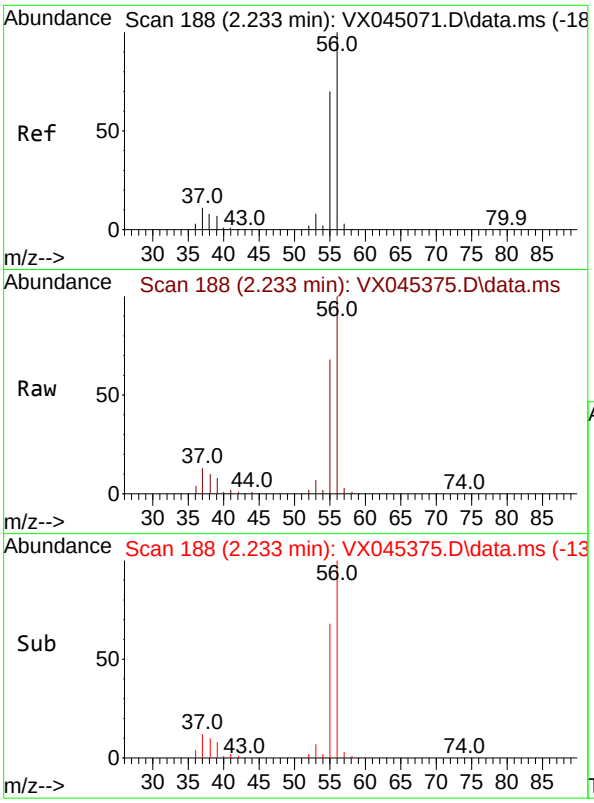


#12
1,1-Dichloroethene
Concen: 51.410 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion: 96 Resp: 58618

Ion	Ratio	Lower	Upper
96	100		
61	170.6	134.6	202.0
98	61.7	51.0	76.6

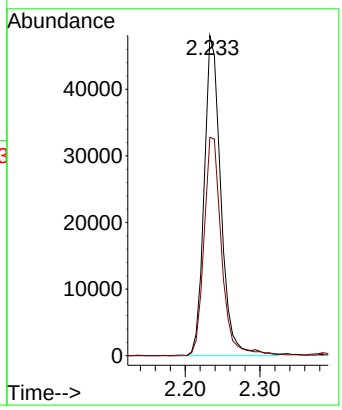




#13
Acrolein
Concen: 230.519 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion: 56 Resp: 7449

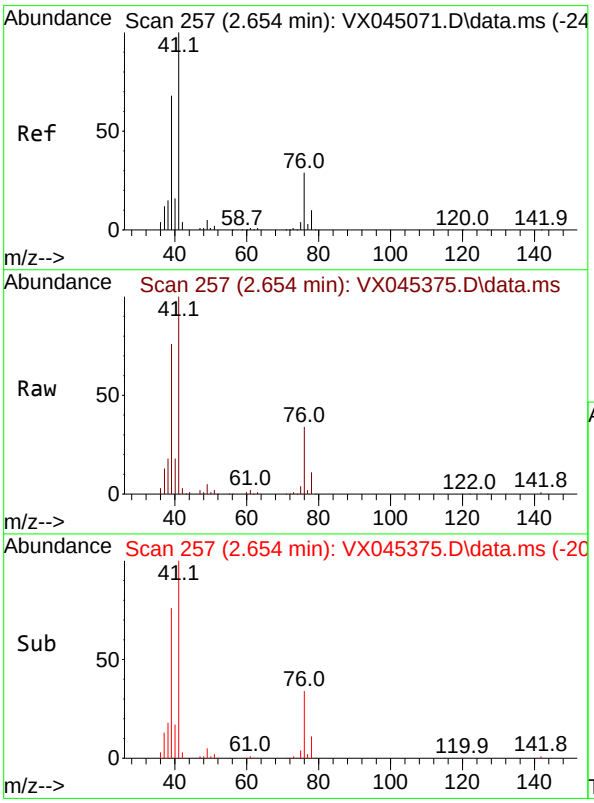
Ion	Ratio	Lower	Upper
56	100		
55	72.0	56.2	84.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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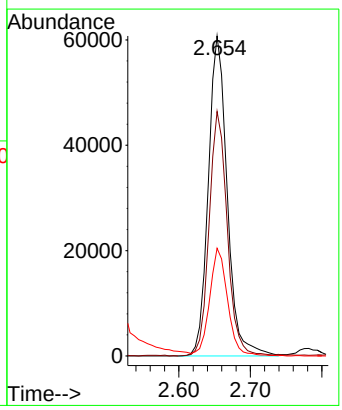
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

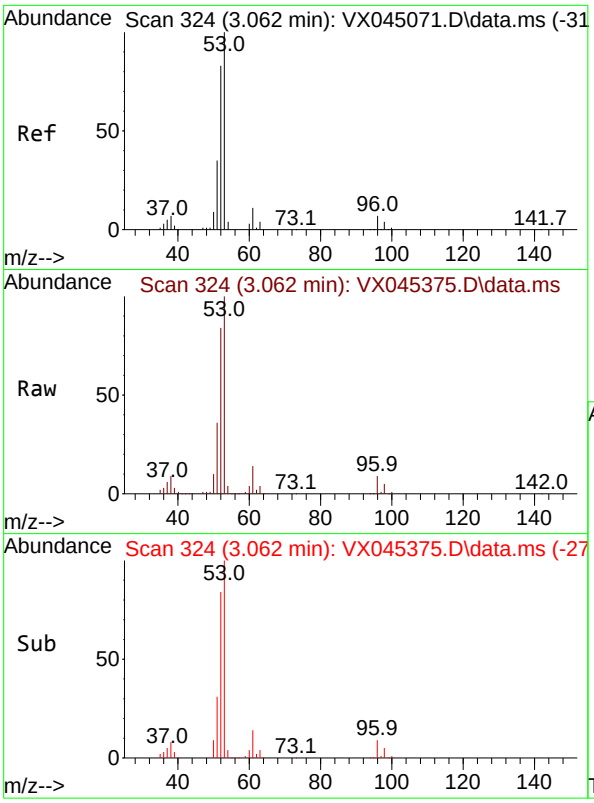


#14
Allyl chloride
Concen: 55.012 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion: 41 Resp: 111653

Ion	Ratio	Lower	Upper
41	100		
39	73.2	53.8	80.8
76	32.0	25.2	37.8





#15
Acrylonitrile
Concen: 267.415 ug/l
RT: 3.062 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

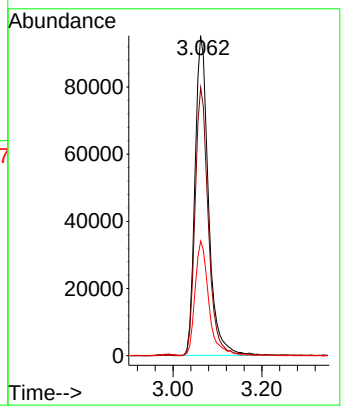
Tgt Ion: 53 Resp: 20037

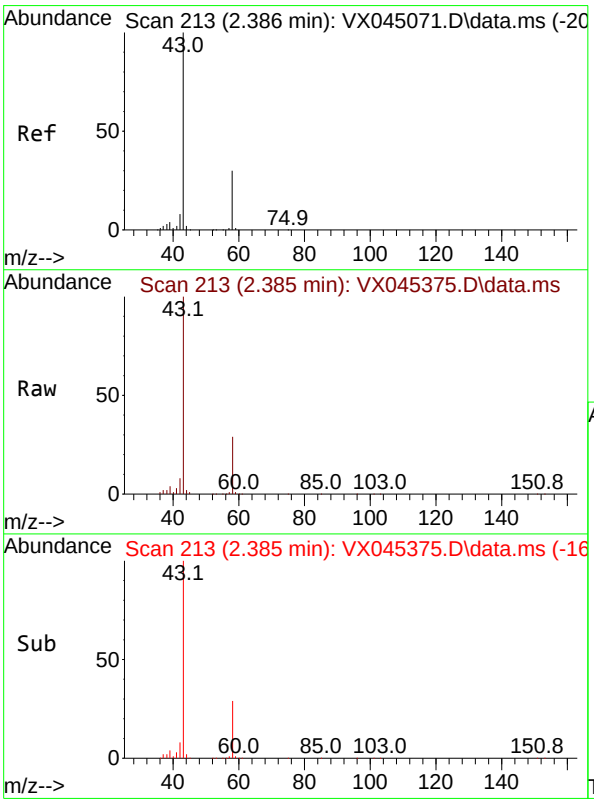
Ion	Ratio	Lower	Upper
53	100		
52	82.9	66.2	99.2
51	36.4	29.0	43.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

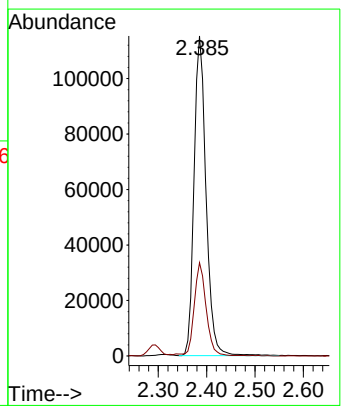


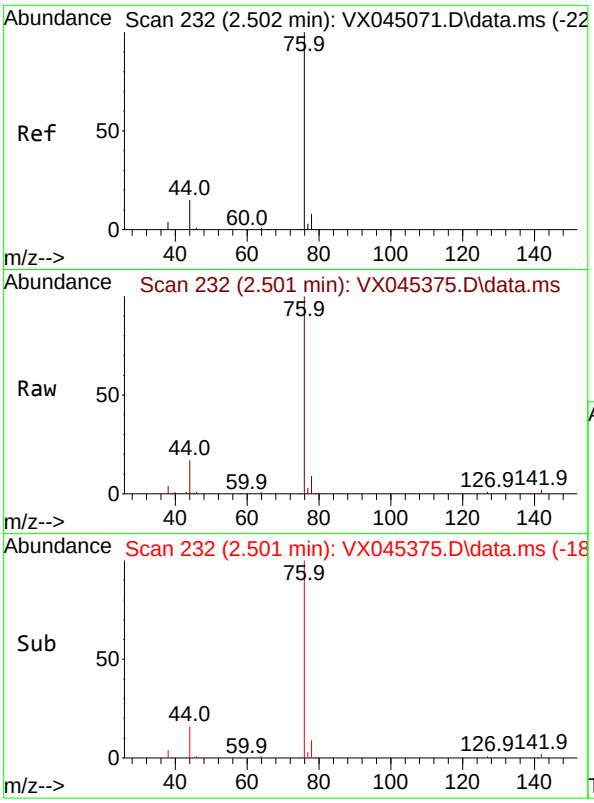


#16
Acetone
Concen: 288.897 ug/l
RT: 2.385 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion: 43 Resp: 197839

Ion	Ratio	Lower	Upper
43	100		
58	29.2	24.2	36.4

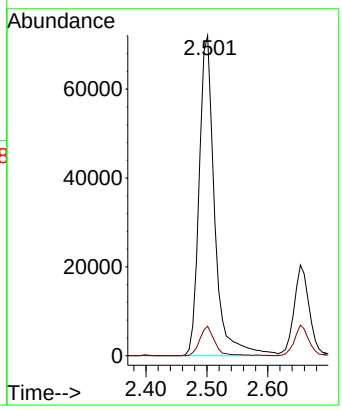




#17
Carbon Disulfide
Concen: 41.928 ug/l
RT: 2.501 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion: 76 Resp: 12733

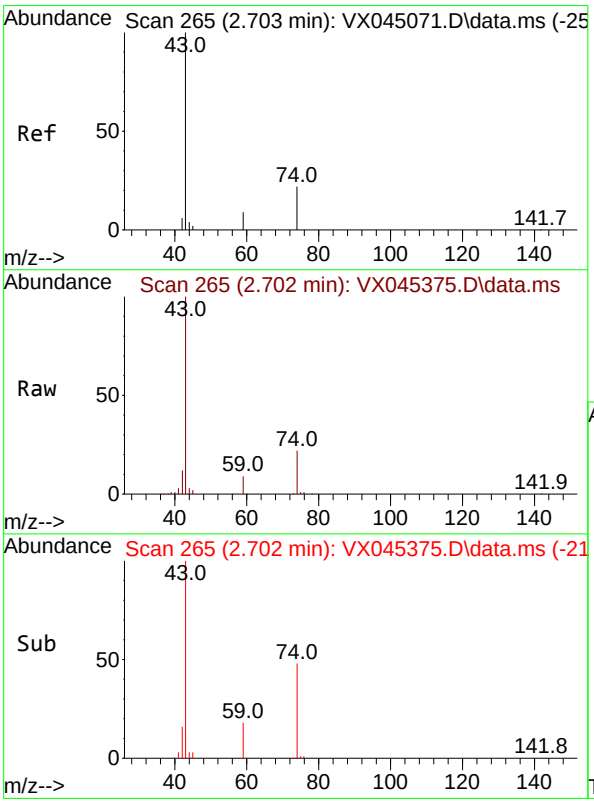
Ion	Ratio	Lower	Upper
76	100		
78	9.2	6.6	9.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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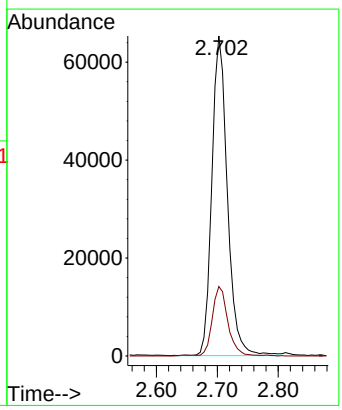
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

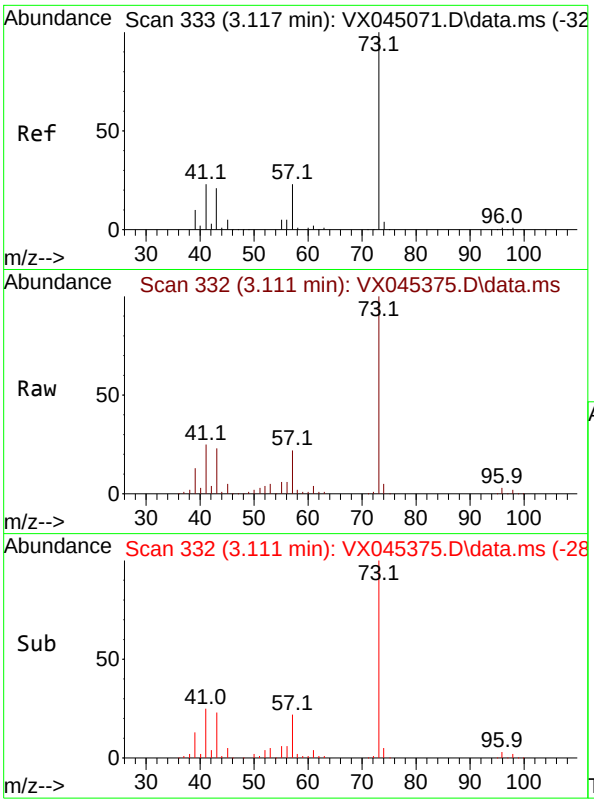


#18
Methyl Acetate
Concen: 70.079 ug/l
RT: 2.702 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion: 43 Resp: 115450

Ion	Ratio	Lower	Upper
43	100		
74	21.1	17.4	26.2

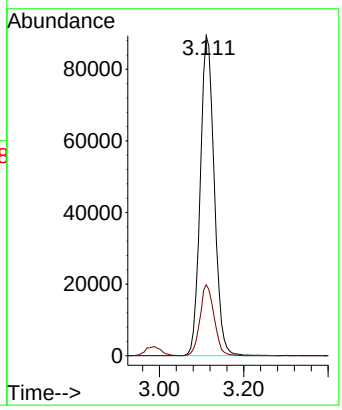




#19
Methyl tert-butyl Ether
Concen: 53.992 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.007 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion: 73 Resp: 20654

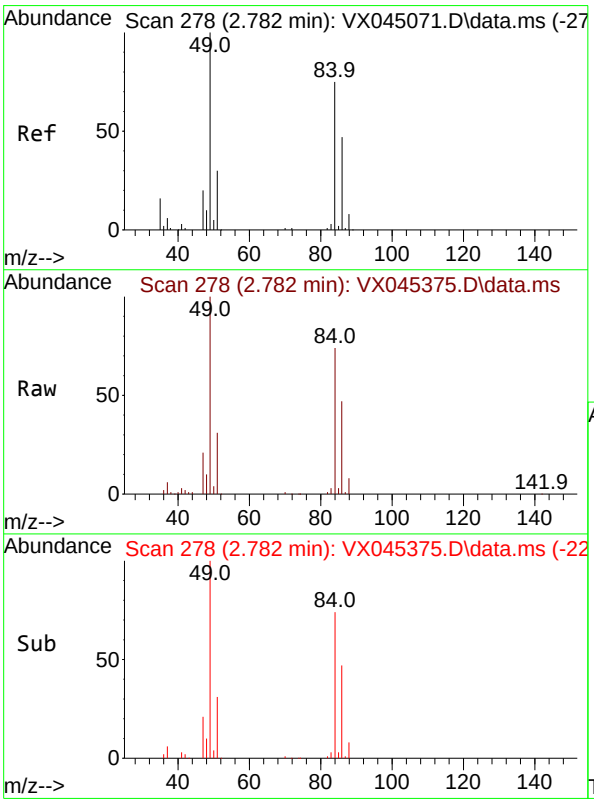
Ion	Ratio	Lower	Upper
73	100		
57	22.1	18.5	27.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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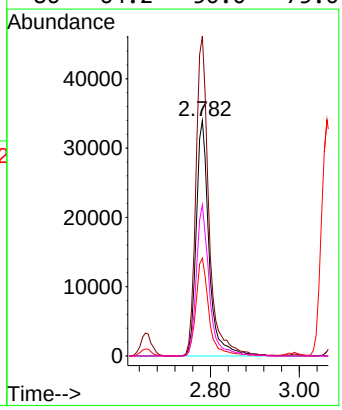
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

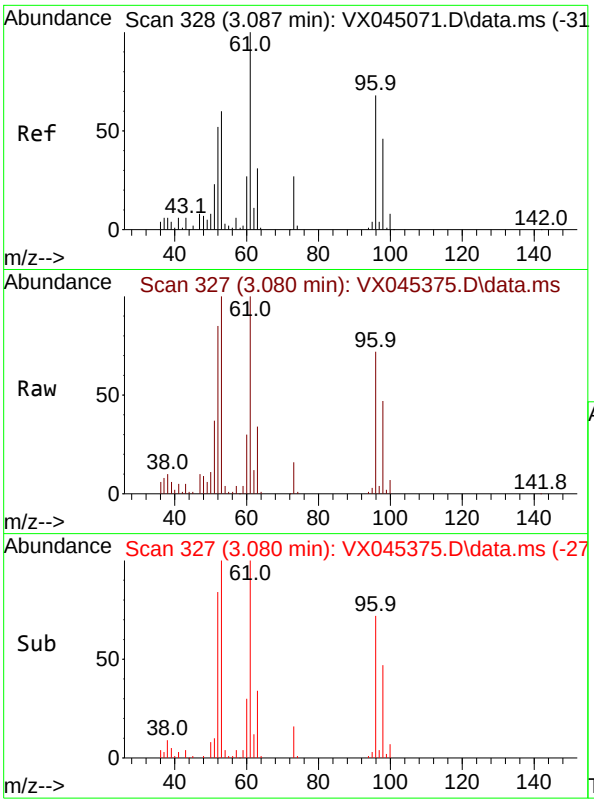


#20
Methylene Chloride
Concen: 50.254 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion: 84 Resp: 68170

Ion	Ratio	Lower	Upper
84	100		
49	136.0	106.5	159.7
51	41.5	32.1	48.1
86	64.2	50.0	75.0

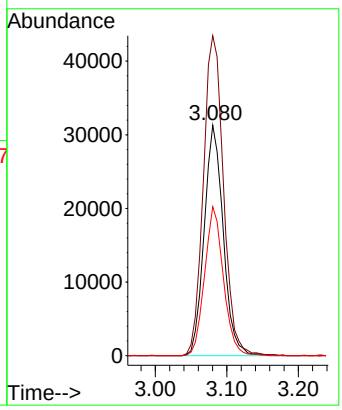




#21
trans-1,2-Dichloroethene
Concen: 51.494 ug/l
RT: 3.080 min Scan# 3
Delta R.T. -0.007 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion: 96 Resp: 5800

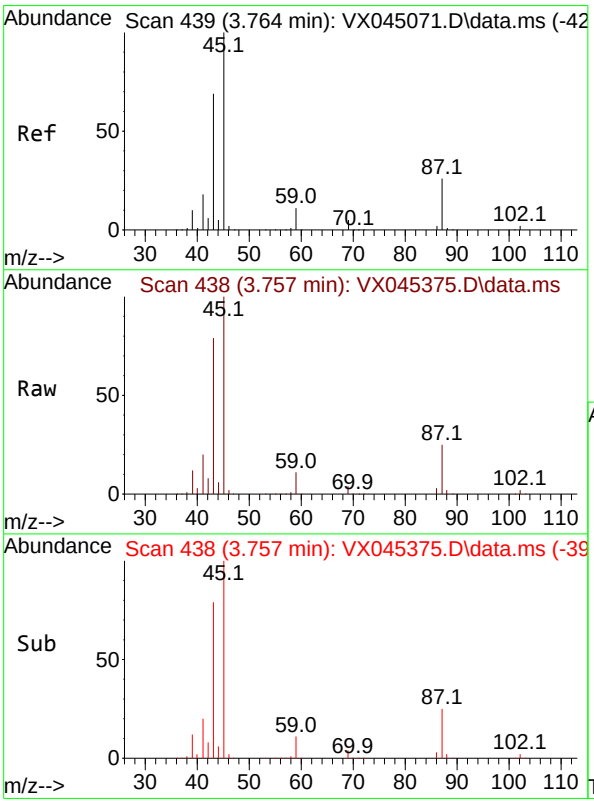
Ion	Ratio	Lower	Upper
96	100		
61	138.8	117.0	175.4
98	64.6	53.4	80.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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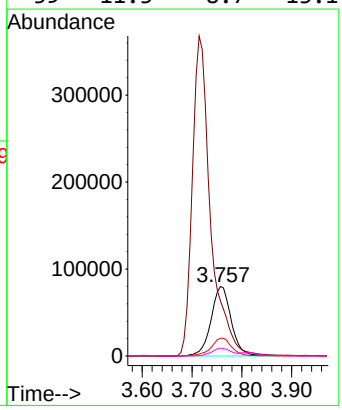
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

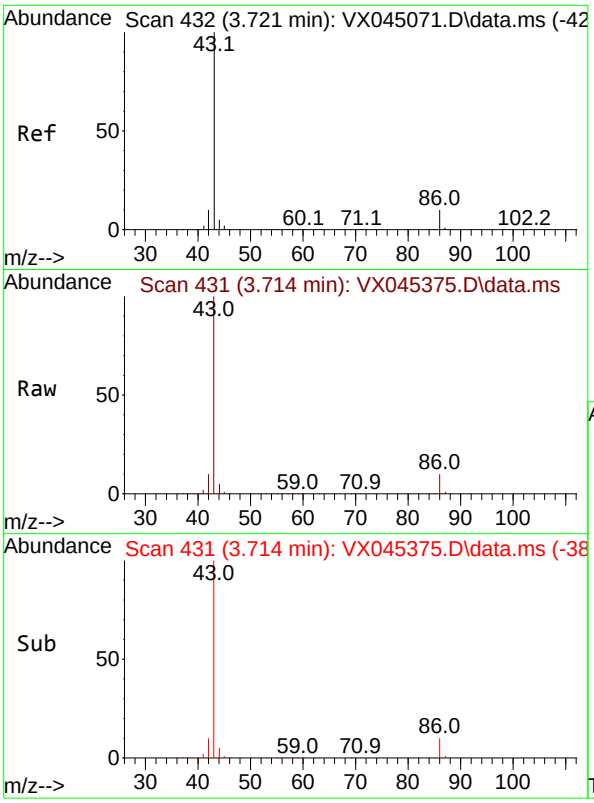


#22
Diisopropyl ether
Concen: 54.361 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.007 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion: 45 Resp: 224386

Ion	Ratio	Lower	Upper
45	100		
43	78.4	54.9	82.3
87	25.4	21.0	31.4
59	11.3	8.7	13.1





#23
Vinyl Acetate
Concen: 272.307 ug/l
RT: 3.714 min Scan# 4
Delta R.T. -0.007 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

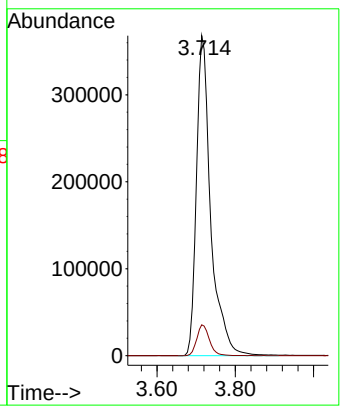
Tgt Ion: 43 Resp: 93799

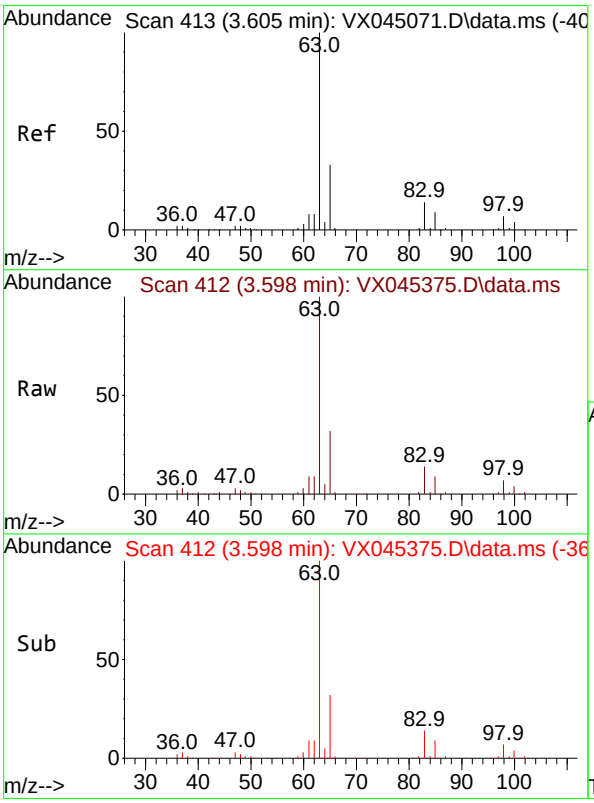
Ion	Ratio	Lower	Upper
43	100		
86	9.7	8.1	12.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

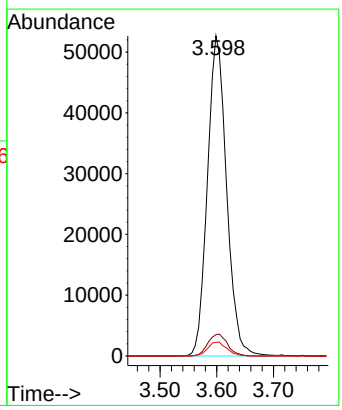


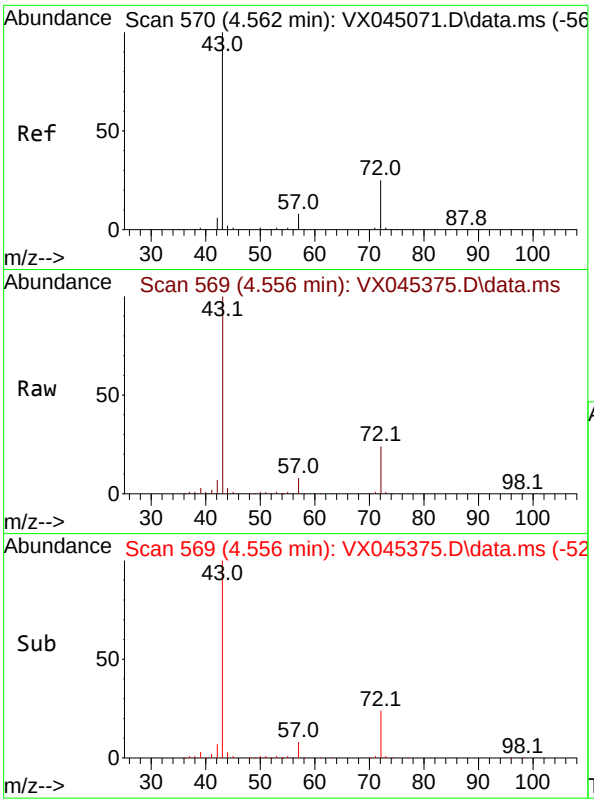


#24
1,1-Dichloroethane
Concen: 53.425 ug/l
RT: 3.598 min Scan# 412
Delta R.T. -0.007 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion: 63 Resp: 123590

Ion	Ratio	Lower	Upper
63	100		
98	6.6	3.4	10.2
100	4.2	2.1	6.5





#25
2-Butanone
Concen: 274.508 ug/l
RT: 4.556 min Scan# 5
Delta R.T. -0.007 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

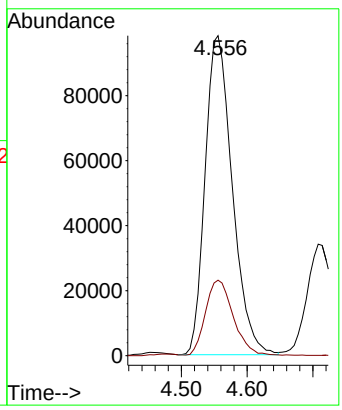
Tgt Ion: 43 Resp: 28296

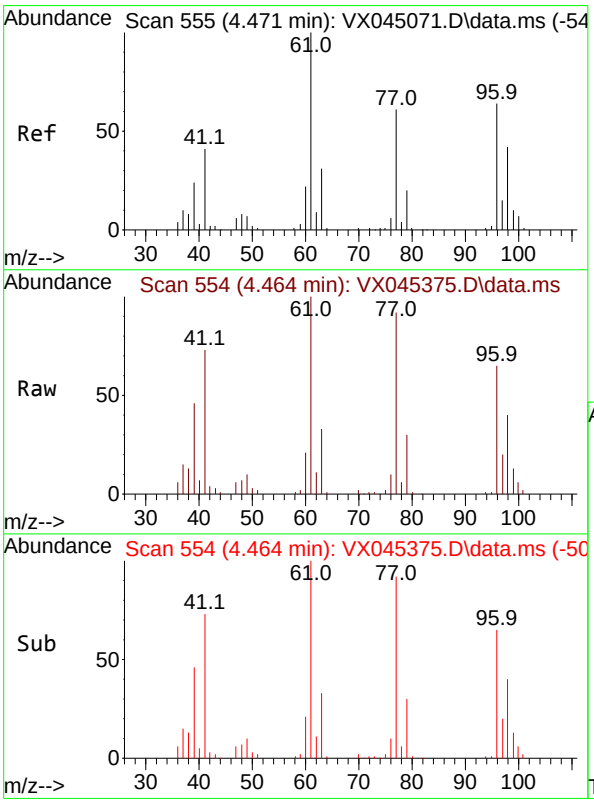
Ion	Ratio	Lower	Upper
43	100		
72	23.4	20.0	30.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

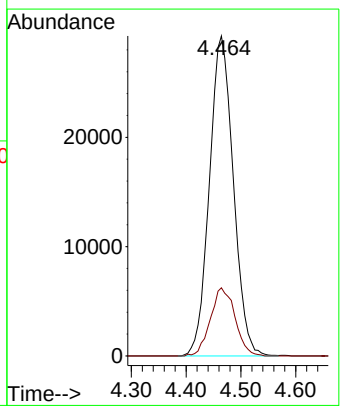


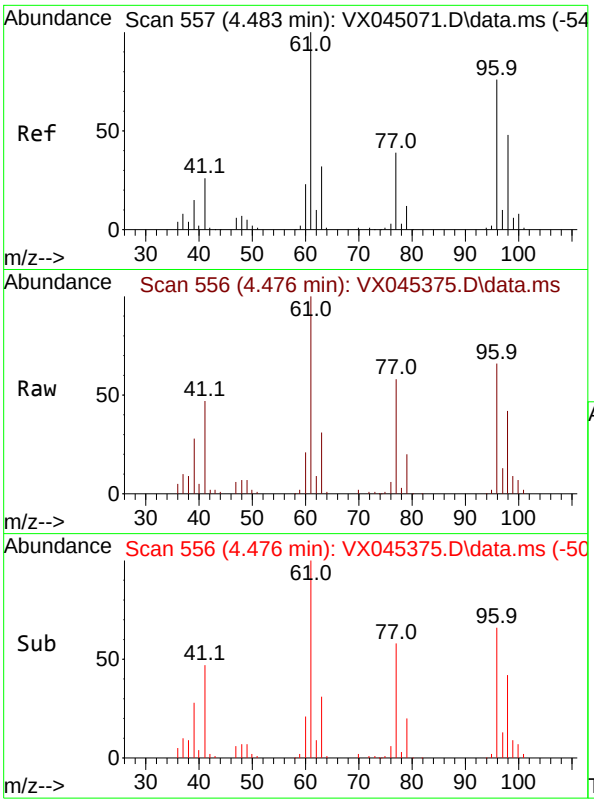


#26
2,2-Dichloropropane
Concen: 81.849 ug/l
RT: 4.464 min Scan# 554
Delta R.T. -0.007 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion: 77 Resp: 88812

Ion	Ratio	Lower	Upper
77	100		
97	21.9	12.4	37.0

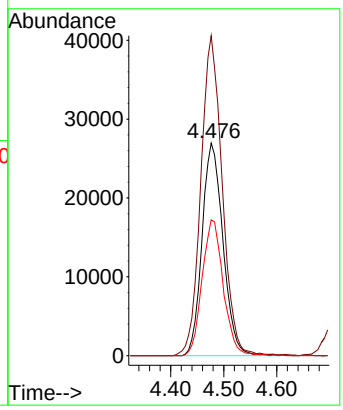




#27
cis-1,2-Dichloroethene
Concen: 53.306 ug/l
RT: 4.476 min Scan# 5
Delta R.T. -0.007 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion: 96 Resp: 7412

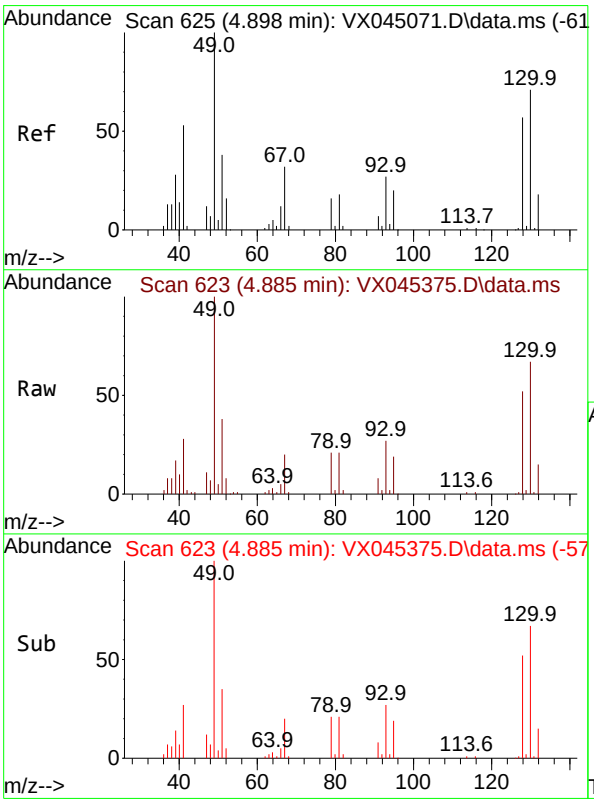
Ion	Ratio	Lower	Upper
96	100		
61	153.3	0.0	283.2
98	64.2	0.0	128.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

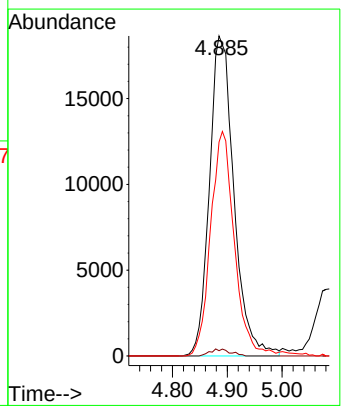
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

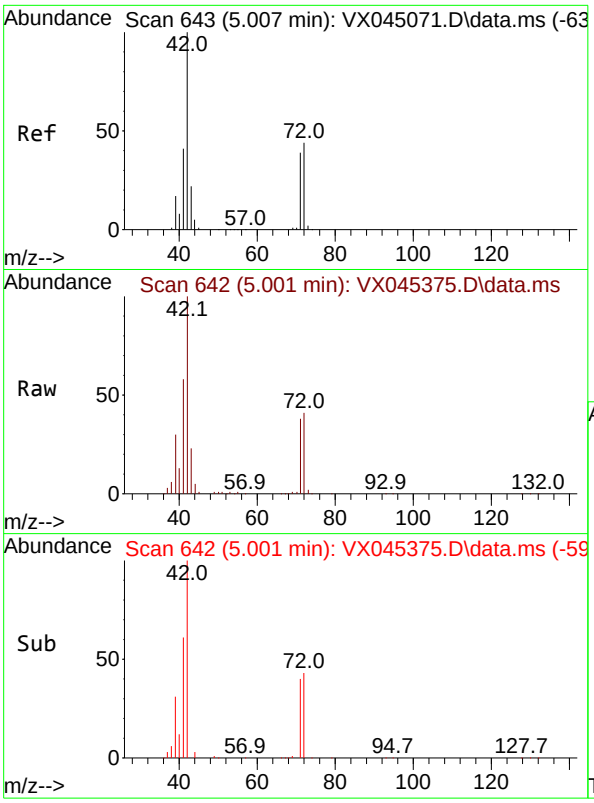


#28
Bromochloromethane
Concen: 52.401 ug/l
RT: 4.885 min Scan# 623
Delta R.T. -0.013 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion: 49 Resp: 57779

Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.4
130	67.9	56.1	84.1





#29
Tetrahydrofuran
Concen: 254.275 ug/l
RT: 5.001 min Scan# 64
Delta R.T. -0.007 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

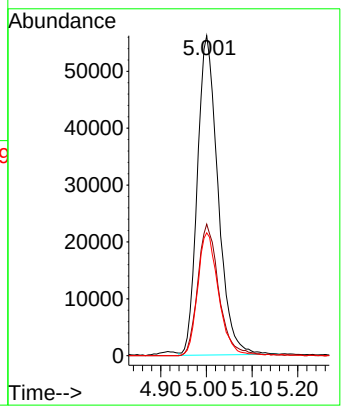
Tgt Ion: 42 Resp: 176019

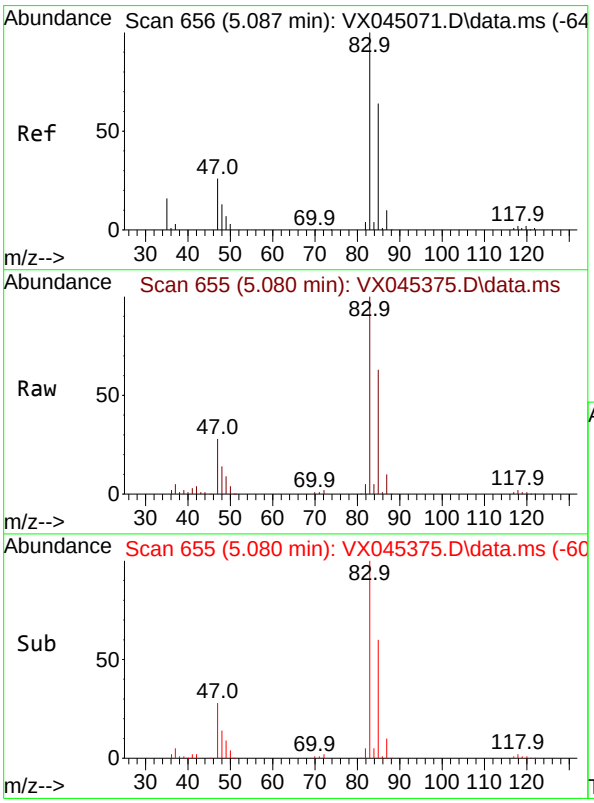
Ion	Ratio	Lower	Upper
42	100		
72	42.0	34.1	51.1
71	38.9	31.4	47.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

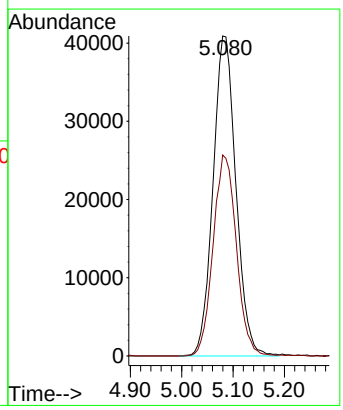


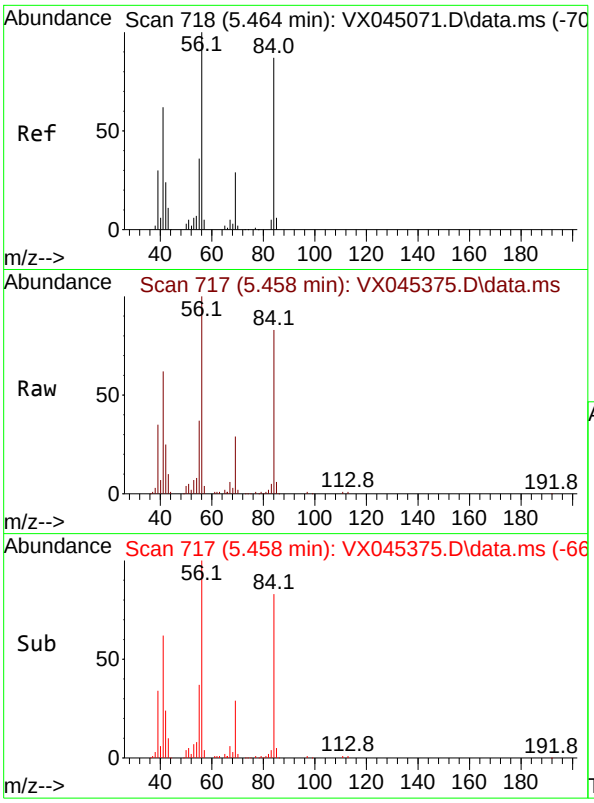


#30
Chloroform
Concen: 55.068 ug/l
RT: 5.080 min Scan# 655
Delta R.T. -0.007 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion: 83 Resp: 126577

Ion	Ratio	Lower	Upper
83	100		
85	62.8	51.4	77.2





#31
Cyclohexane
Concen: 51.149 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.007 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

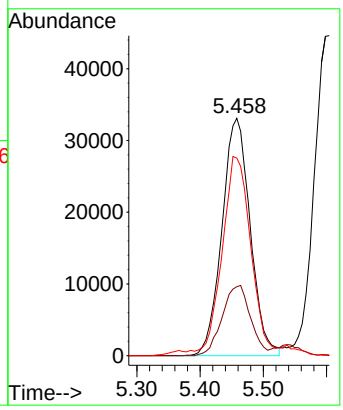
Tgt Ion: 56 Resp: 10271

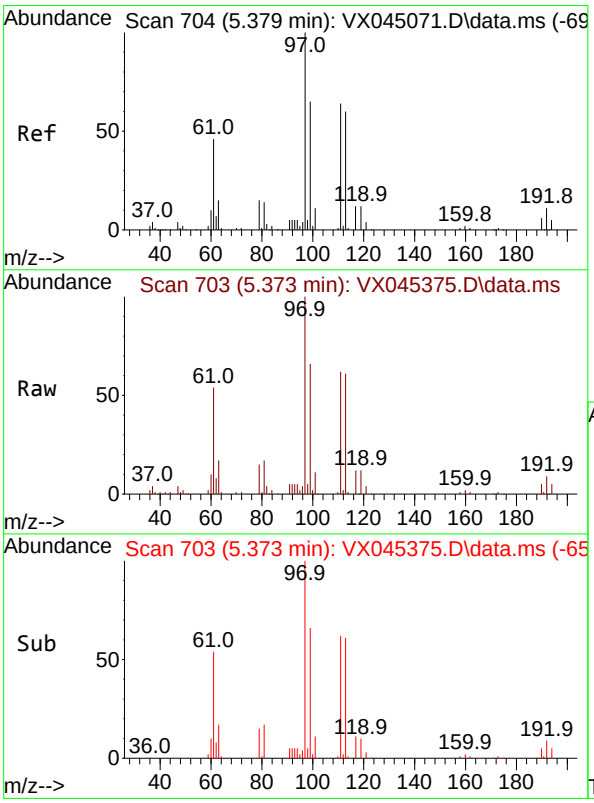
Ion	Ratio	Lower	Upper
56	100		
69	29.0	23.4	35.2
84	81.0	69.4	104.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

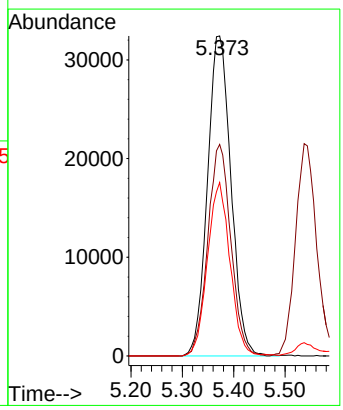


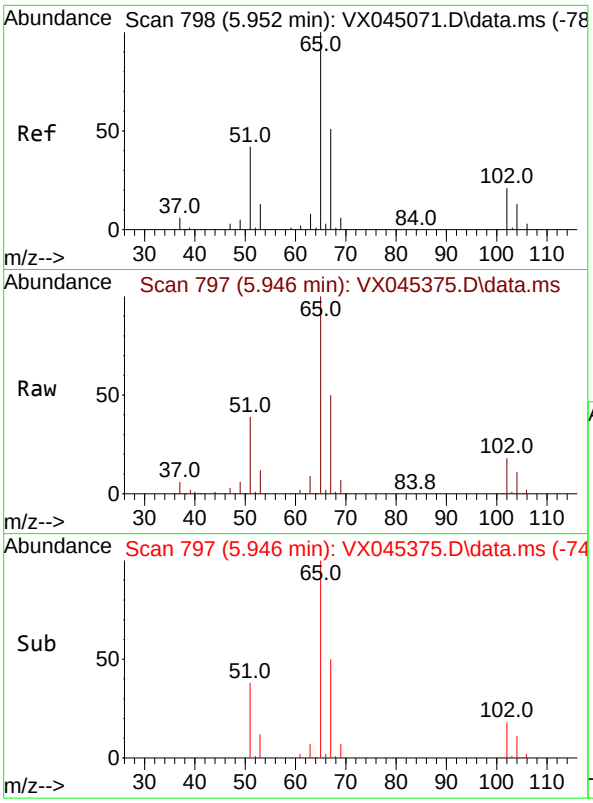


#32
1,1,1-Trichloroethane
Concen: 55.539 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.007 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion: 97 Resp: 103105

Ion	Ratio	Lower	Upper
97	100		
99	64.8	51.6	77.4
61	52.2	38.4	57.6

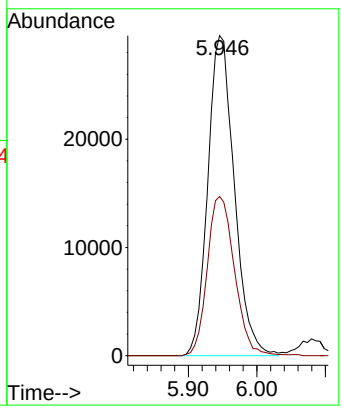




#33
1,2-Dichloroethane-d4
Concen: 53.804 ug/l
RT: 5.946 min Scan# 7
Delta R.T. -0.007 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion: 65 Resp: 7941

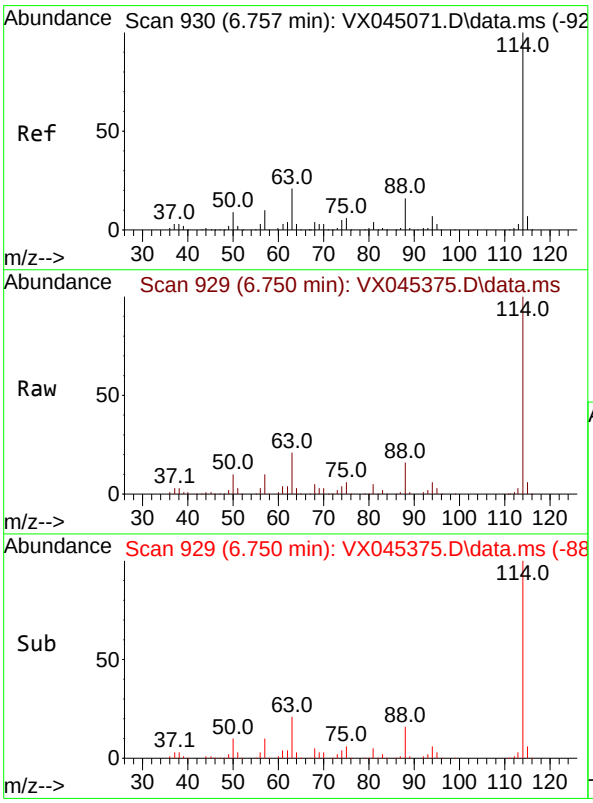
Ion	Ratio	Lower	Upper
65	100		
67	51.2	0.0	106.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

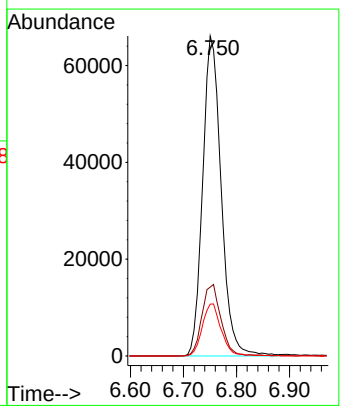
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

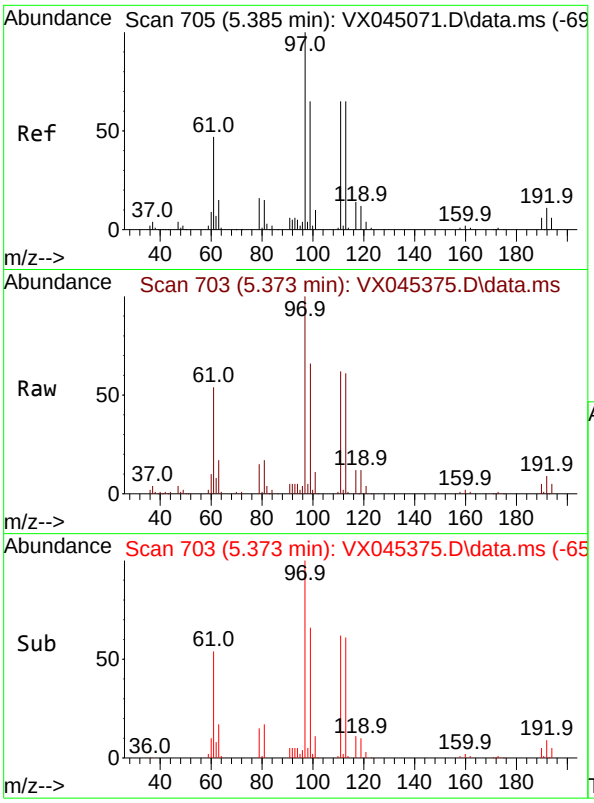


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.750 min Scan# 929
Delta R.T. -0.007 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion:114 Resp: 160605

Ion	Ratio	Lower	Upper
114	100		
63	21.5	0.0	41.8
88	16.2	0.0	32.8

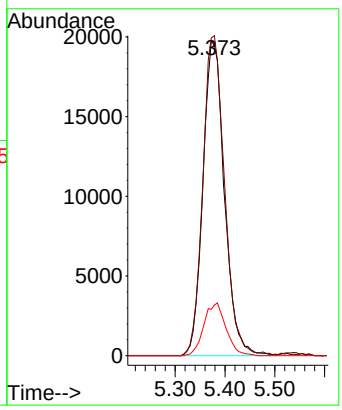




#35
Dibromofluoromethane
Concen: 55.112 ug/l
RT: 5.373 min Scan# 7
Delta R.T. -0.013 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion:113 Resp: 5918

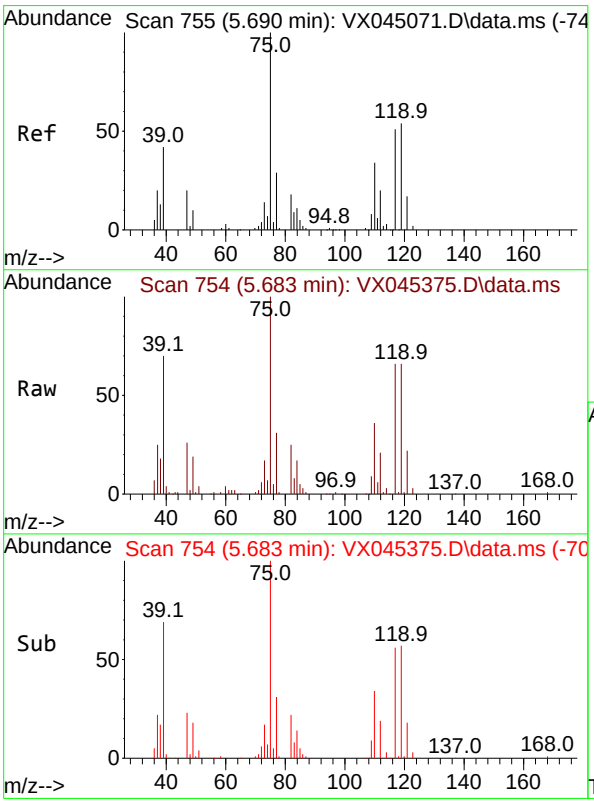
Ion	Ratio	Lower	Upper
113	100		
111	102.4	81.8	122.6
192	17.2	14.3	21.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

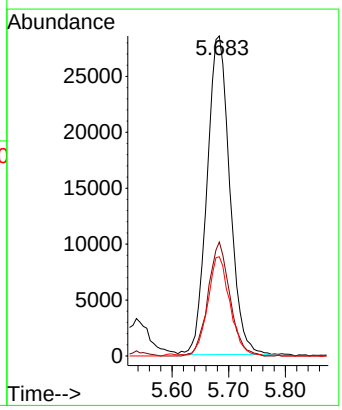
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

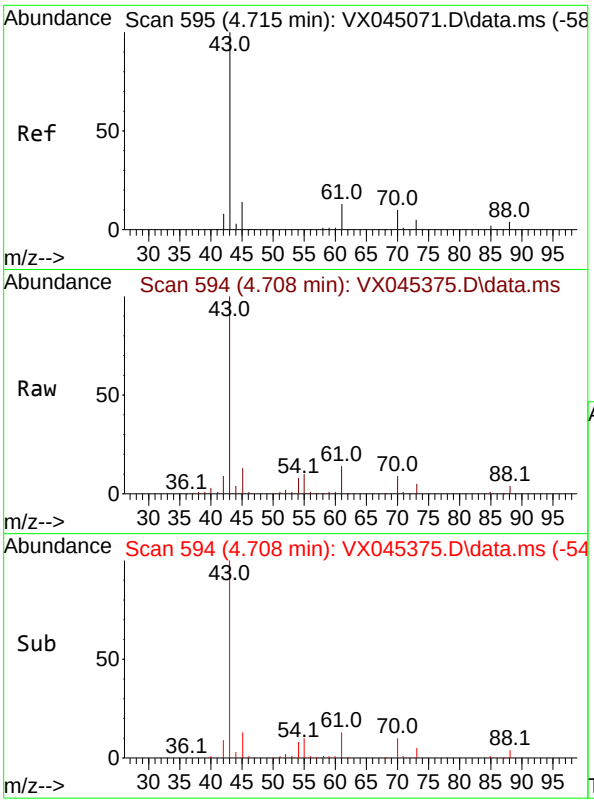


#36
1,1-Dichloropropene
Concen: 53.824 ug/l
RT: 5.683 min Scan# 754
Delta R.T. -0.007 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion: 75 Resp: 79271

Ion	Ratio	Lower	Upper
75	100		
110	34.4	16.9	50.6
77	30.6	24.5	36.7

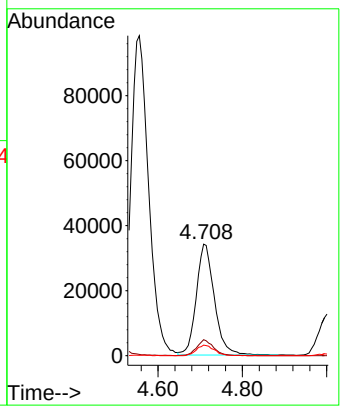




#37
Ethyl Acetate
Concen: 53.844 ug/l
RT: 4.708 min Scan# 5
Delta R.T. -0.007 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion: 43 Resp: 10218

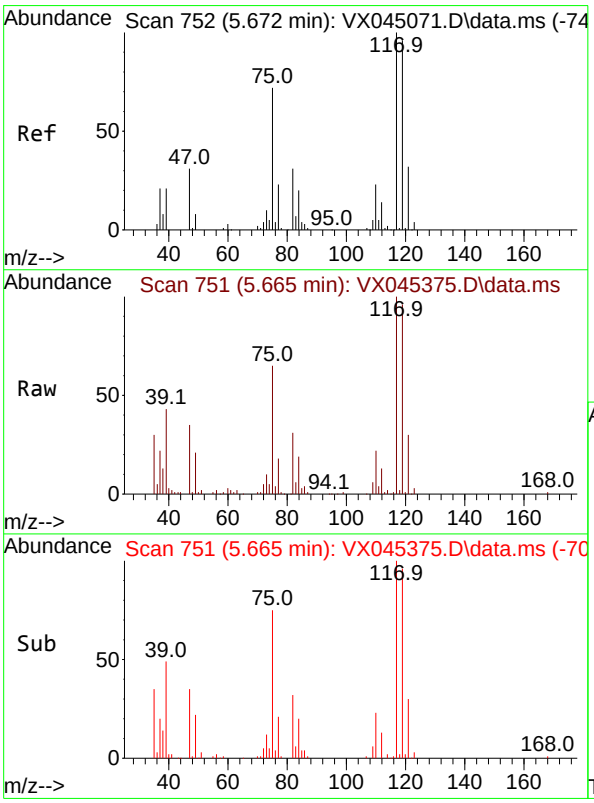
Ion	Ratio	Lower	Upper
43	100		
61	13.4	10.8	16.2
70	9.4	7.7	11.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

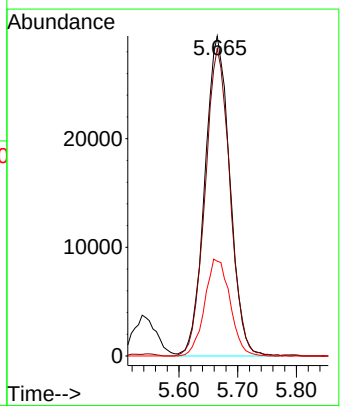
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

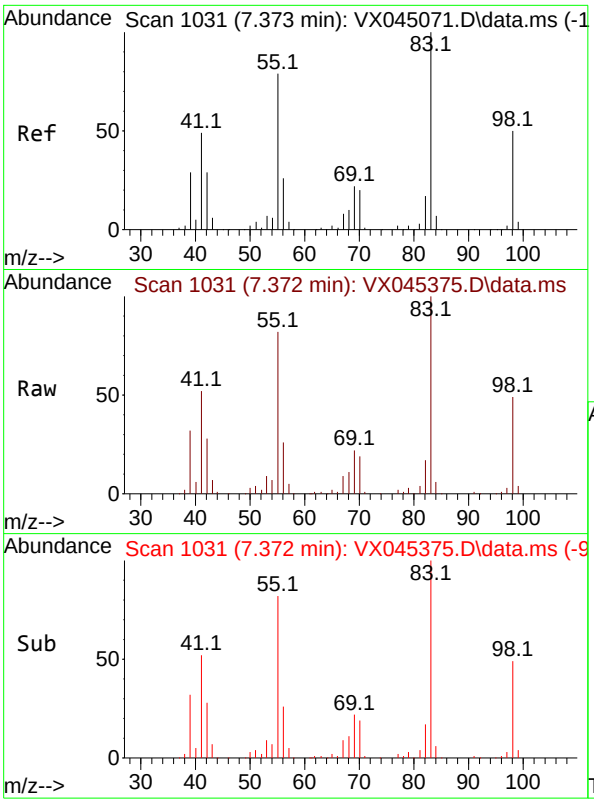


#38
Carbon Tetrachloride
Concen: 58.316 ug/l
RT: 5.665 min Scan# 751
Delta R.T. -0.007 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion:117 Resp: 87195

Ion	Ratio	Lower	Upper
117	100		
119	95.8	76.7	115.1
121	29.6	25.5	38.3

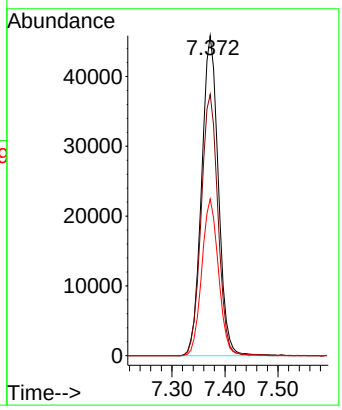




#39
Methylcyclohexane
Concen: 56.964 ug/l
RT: 7.372 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion: 83 Resp: 10052

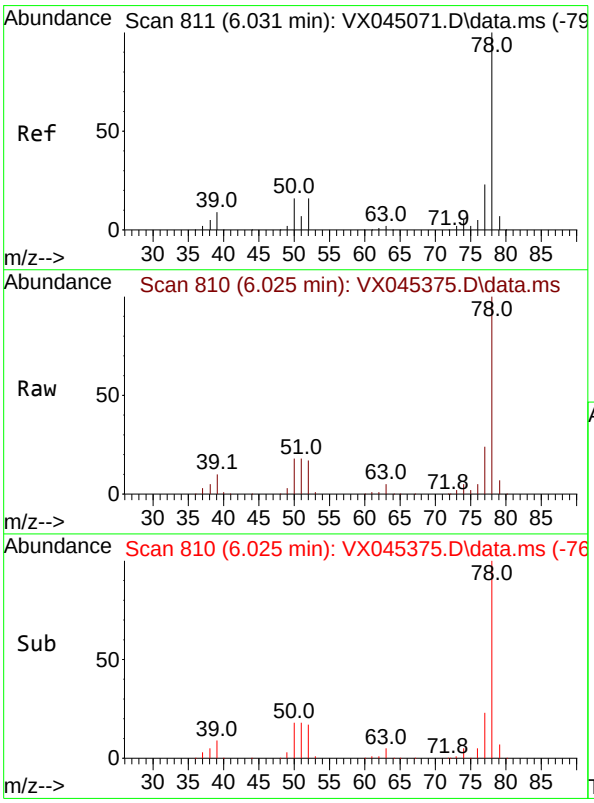
Ion	Ratio	Lower	Upper
83	100		
55	81.6	63.0	94.4
98	49.0	39.7	59.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

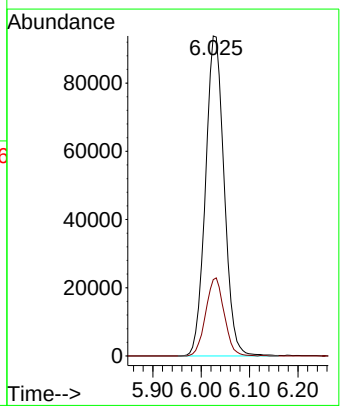
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

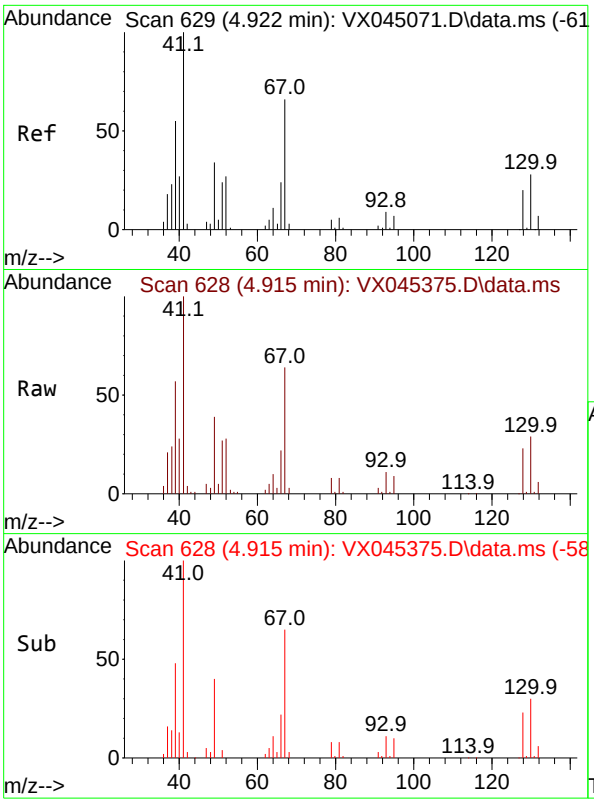


#40
Benzene
Concen: 54.071 ug/l
RT: 6.025 min Scan# 810
Delta R.T. -0.007 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion: 78 Resp: 251470

Ion	Ratio	Lower	Upper
78	100		
77	23.9	18.8	28.2

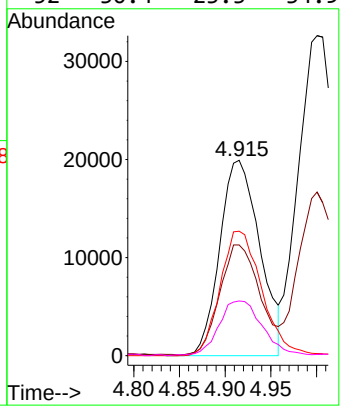




#41
Methacrylonitrile
Concen: 59.274 ug/l
RT: 4.915 min Scan# 6
Delta R.T. -0.007 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion: 41 Resp: 6082

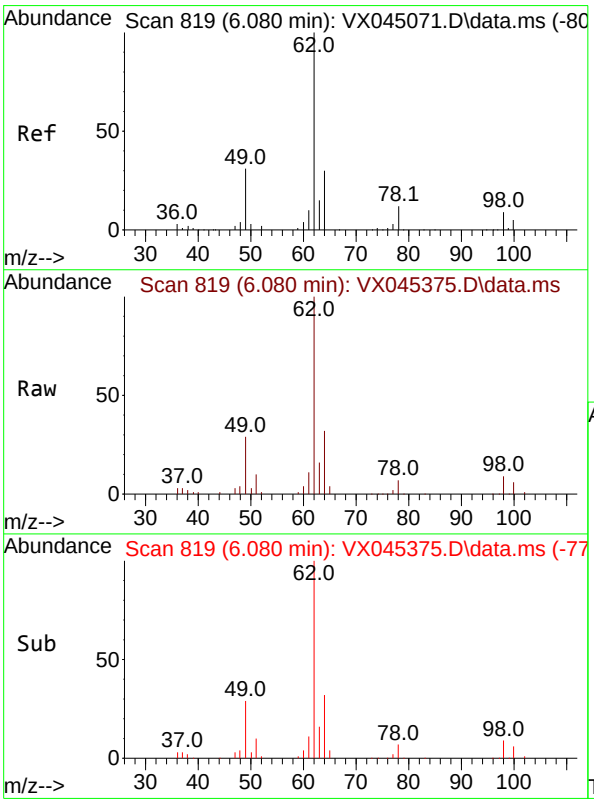
Ion	Ratio	Lower	Upper
41	100		
39	56.3	44.6	67.0
67	66.6	53.9	80.9
52	30.4	23.3	34.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

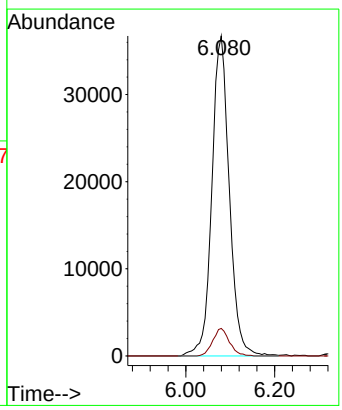
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

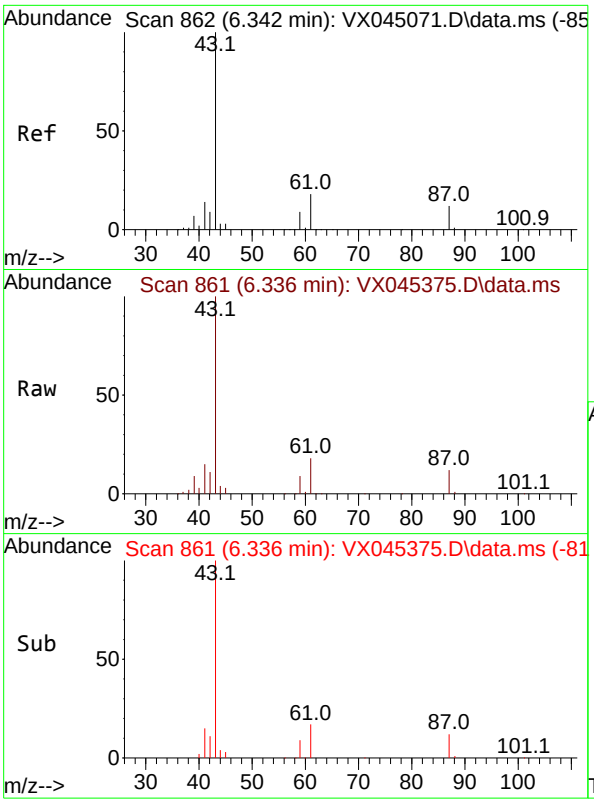


#42
1,2-Dichloroethane
Concen: 59.688 ug/l
RT: 6.080 min Scan# 819
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion: 62 Resp: 99960

Ion	Ratio	Lower	Upper
62	100		
98	8.2	0.0	18.2

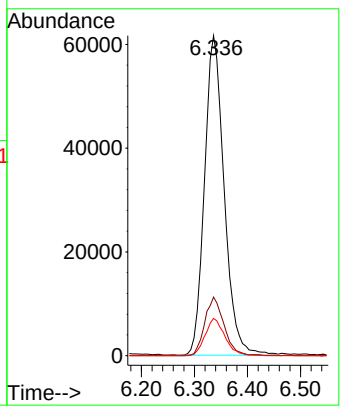




#43
Isopropyl Acetate
Concen: 56.586 ug/l
RT: 6.336 min Scan# 8
Delta R.T. -0.007 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion: 43 Resp: 15879

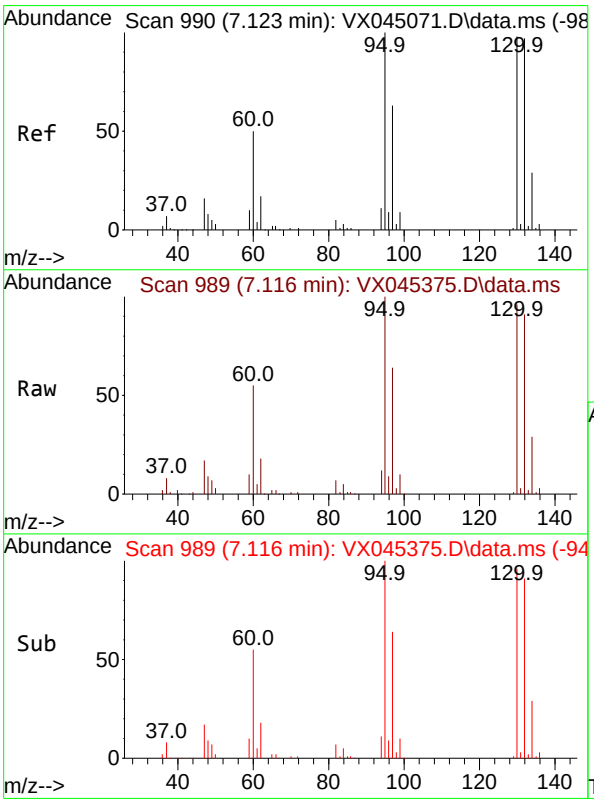
Ion	Ratio	Lower	Upper
43	100		
61	18.0	14.9	22.3
87	11.7	9.4	14.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

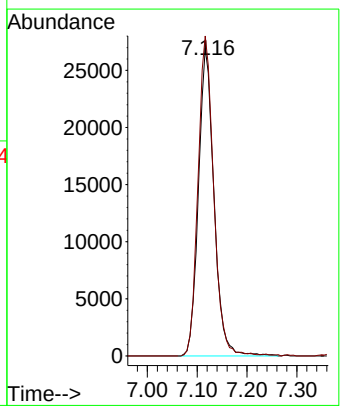
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

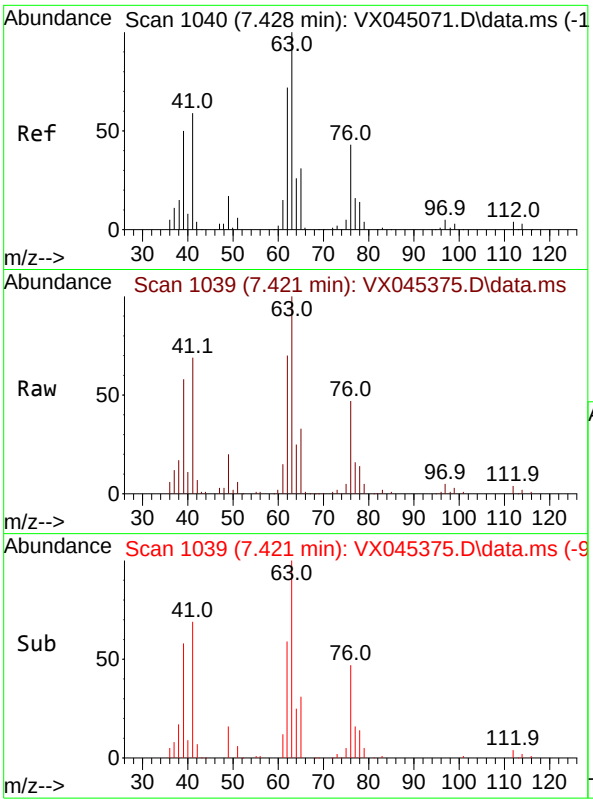


#44
Trichloroethene
Concen: 53.543 ug/l
RT: 7.116 min Scan# 989
Delta R.T. -0.007 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion:130 Resp: 58470

Ion	Ratio	Lower	Upper
130	100		
95	104.0	0.0	205.0

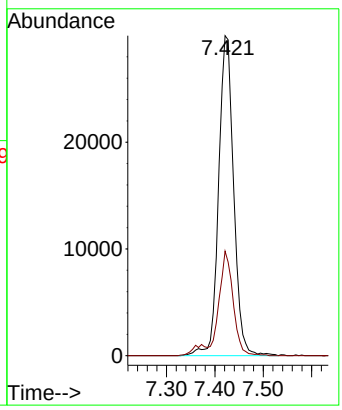




#45
1,2-Dichloropropane
Concen: 54.233 ug/l
RT: 7.421 min Scan# 1
Delta R.T. -0.007 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion: 63 Resp: 6484

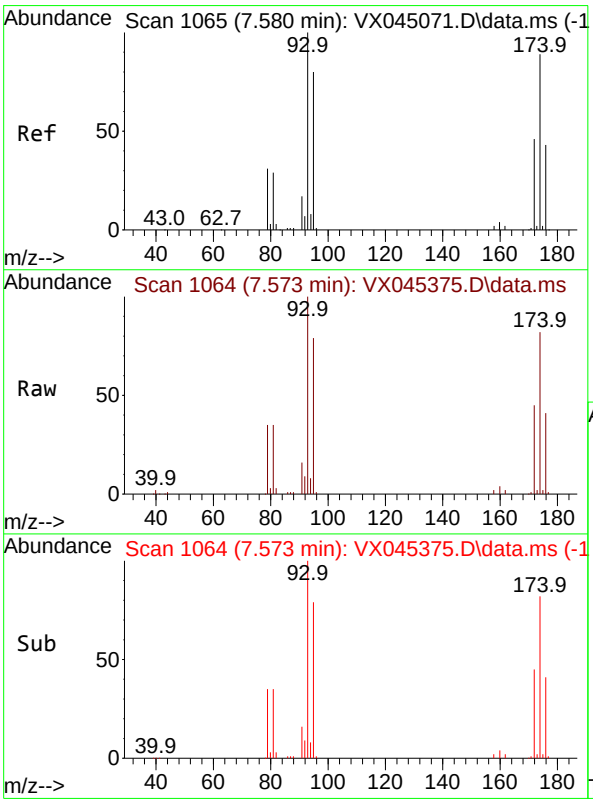
Ion	Ratio	Lower	Upper
63	100		
65	32.6	24.7	37.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

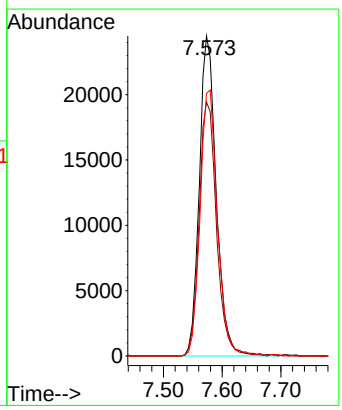
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

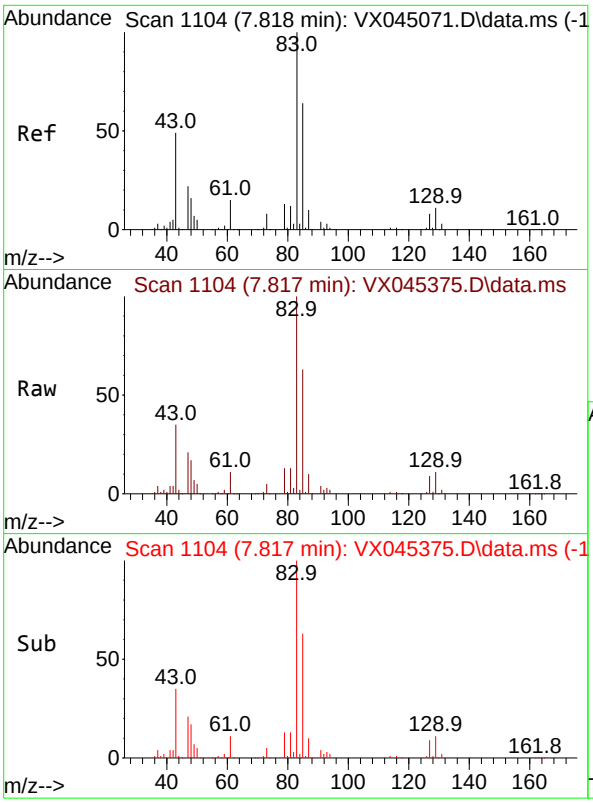


#46
Dibromomethane
Concen: 58.204 ug/l
RT: 7.573 min Scan# 1064
Delta R.T. -0.007 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion: 93 Resp: 49192

Ion	Ratio	Lower	Upper
93	100		
95	81.3	65.8	98.8
174	85.1	72.2	108.2

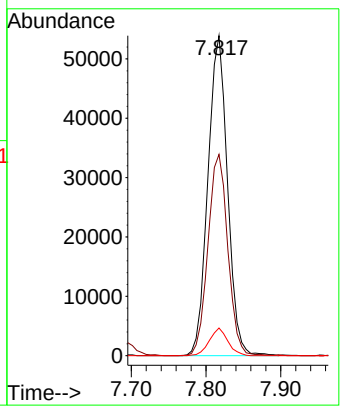




#47
Bromodichloromethane
Concen: 59.351 ug/l
RT: 7.817 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion: 83 Resp: 9839

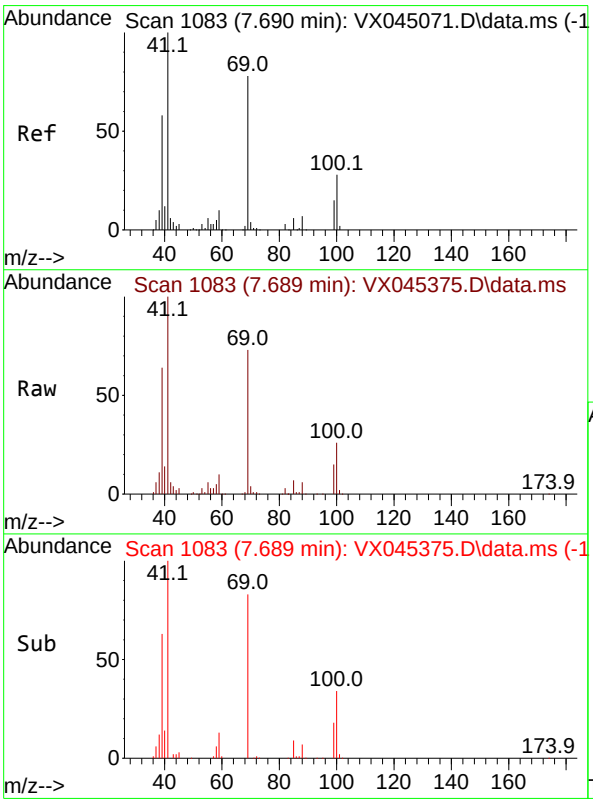
Ion	Ratio	Lower	Upper
83	100		
85	62.9	51.1	76.7
127	8.6	6.4	9.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

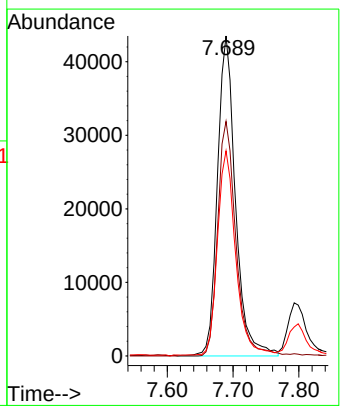
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

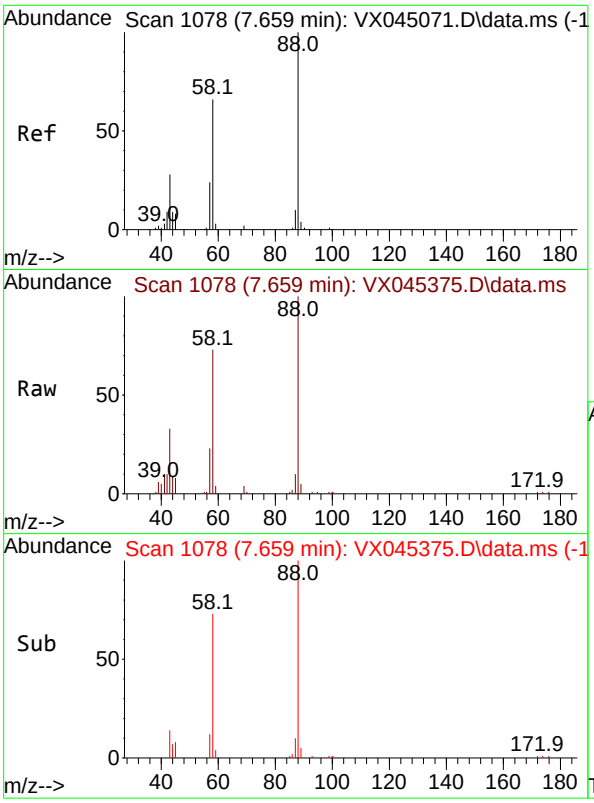


#48
Methyl methacrylate
Concen: 59.086 ug/l
RT: 7.689 min Scan# 1083
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion: 41 Resp: 83186

Ion	Ratio	Lower	Upper
41	100		
69	73.9	63.0	94.6
39	63.9	47.5	71.3

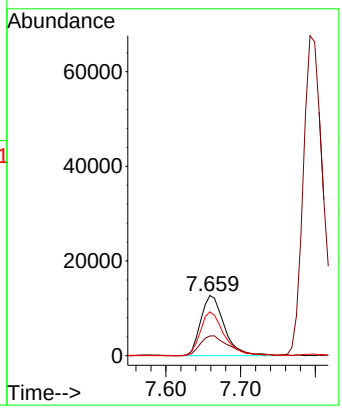




#49
1,4-Dioxane
Concen: 938.459 ug/l
RT: 7.659 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion: 88 Resp: 2787

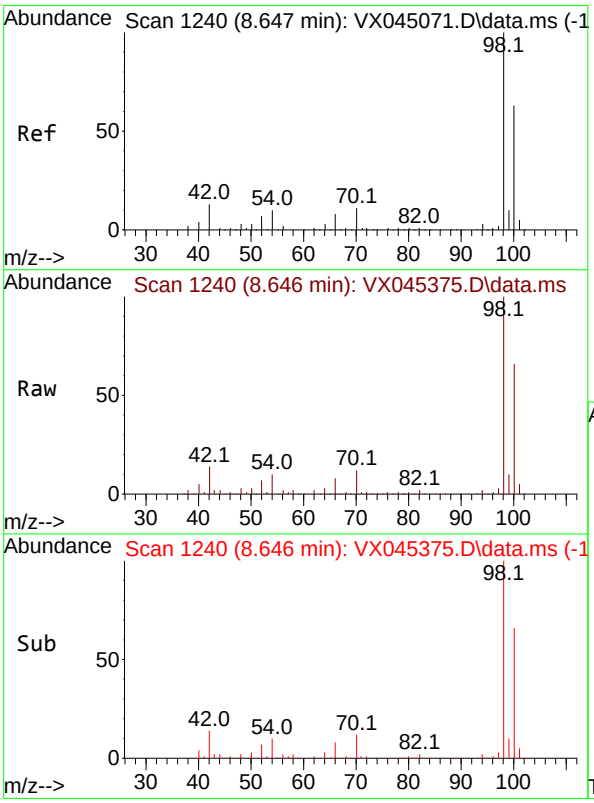
Ion	Ratio	Lower	Upper
88	100		
43	41.4	28.7	43.1
58	73.8	55.8	83.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

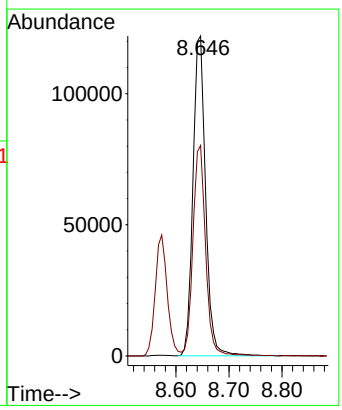
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

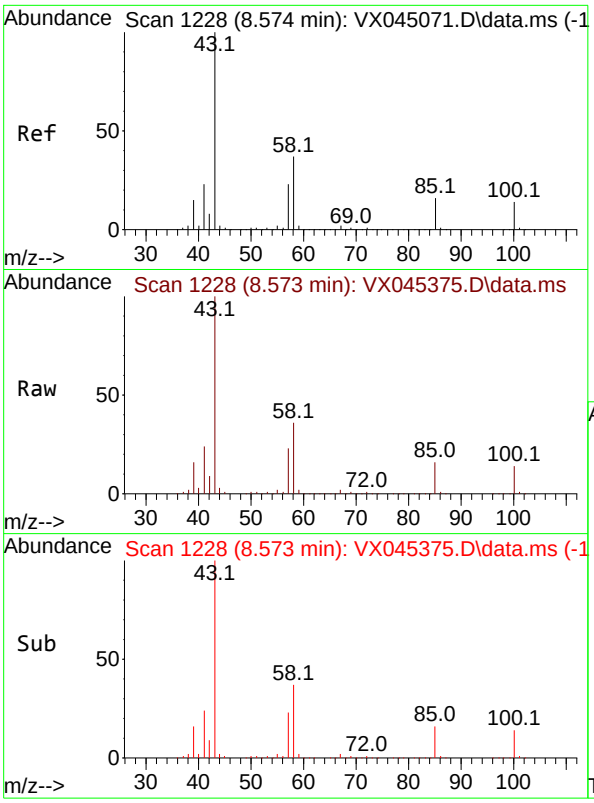


#50
Toluene-d8
Concen: 51.765 ug/l
RT: 8.646 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion: 98 Resp: 201541

Ion	Ratio	Lower	Upper
98	100		
100	65.7	52.0	78.0

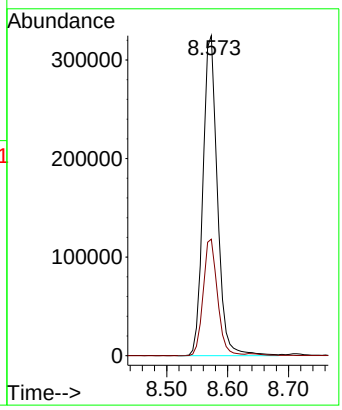




#51
4-Methyl-2-Pentanone
Concen: 284.145 ug/l
RT: 8.573 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion: 43 Resp: 53540

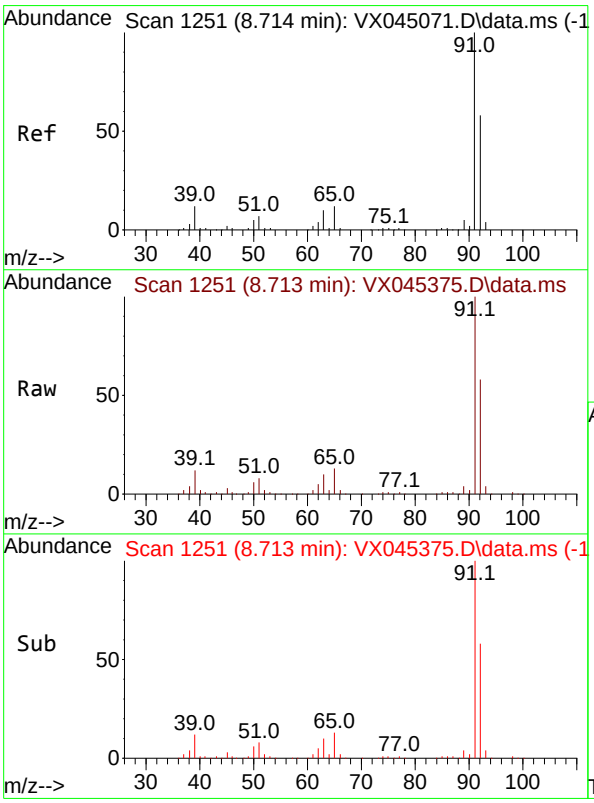
Ion	Ratio	Lower	Upper
43	100		
58	36.2	29.2	43.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

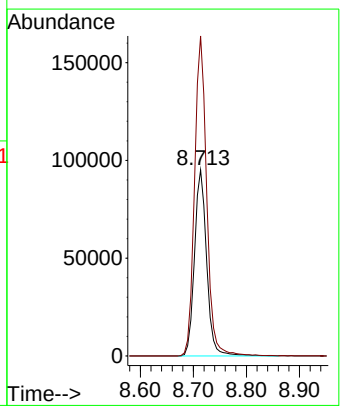
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

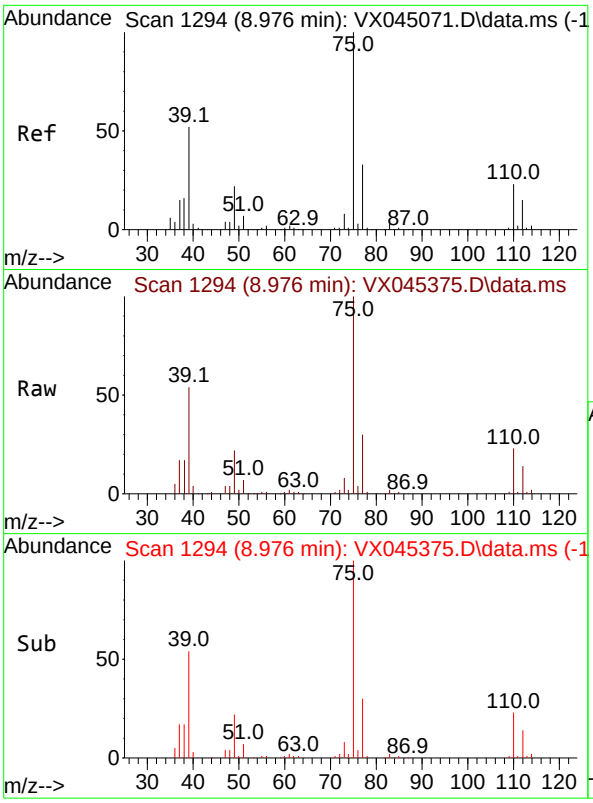


#52
Toluene
Concen: 55.490 ug/l
RT: 8.713 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion: 92 Resp: 151414

Ion	Ratio	Lower	Upper
92	100		
91	171.7	138.9	208.3

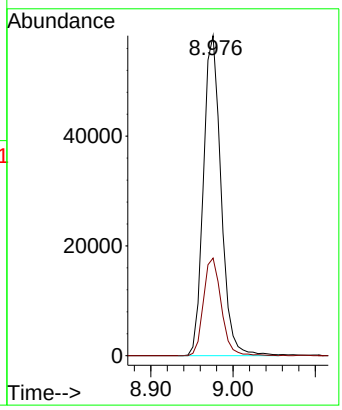




#53
t-1,3-Dichloropropene
Concen: 62.714 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion: 75 Resp: 8691

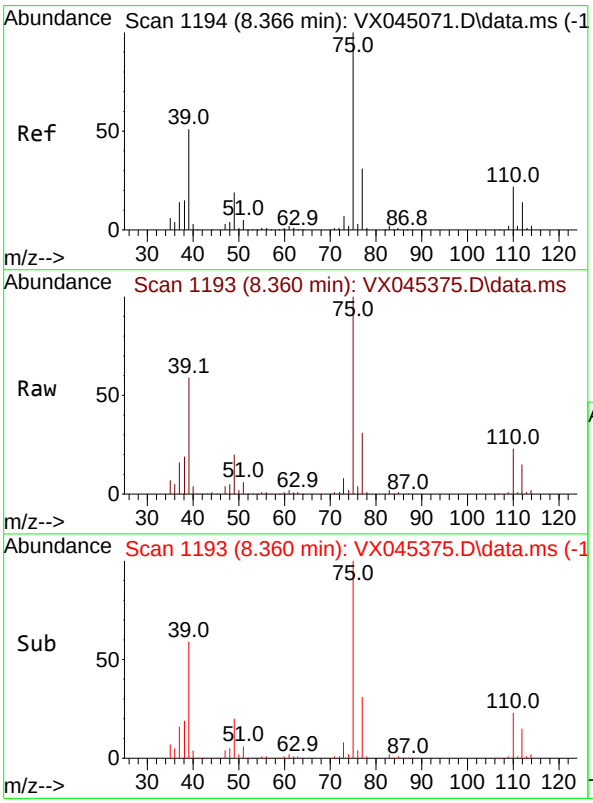
Ion	Ratio	Lower	Upper
75	100		
77	30.5	26.5	39.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

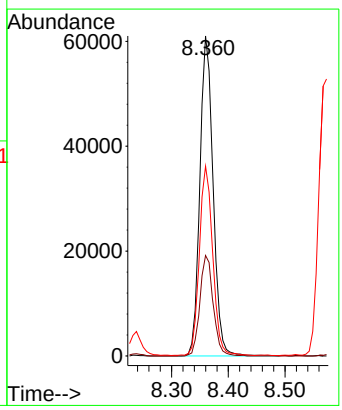
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

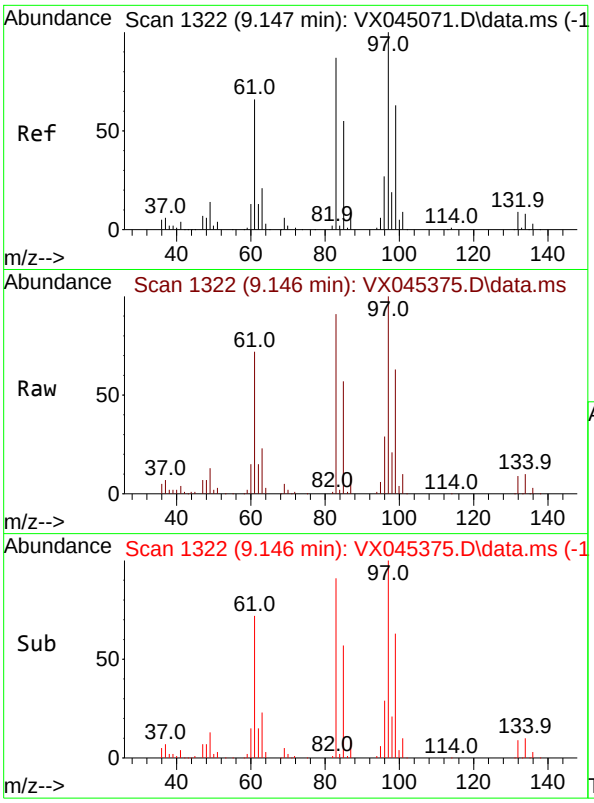


#54
cis-1,3-Dichloropropene
Concen: 61.078 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. -0.007 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion: 75 Resp: 98708

Ion	Ratio	Lower	Upper
75	100		
77	31.4	24.7	37.1
39	59.2	40.7	61.1

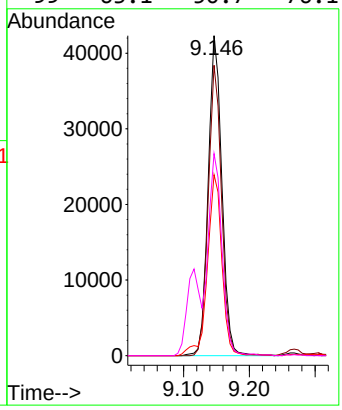




#55
1,1,2-Trichloroethane
Concen: 54.637 ug/l
RT: 9.146 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion: 97 Resp: 6137

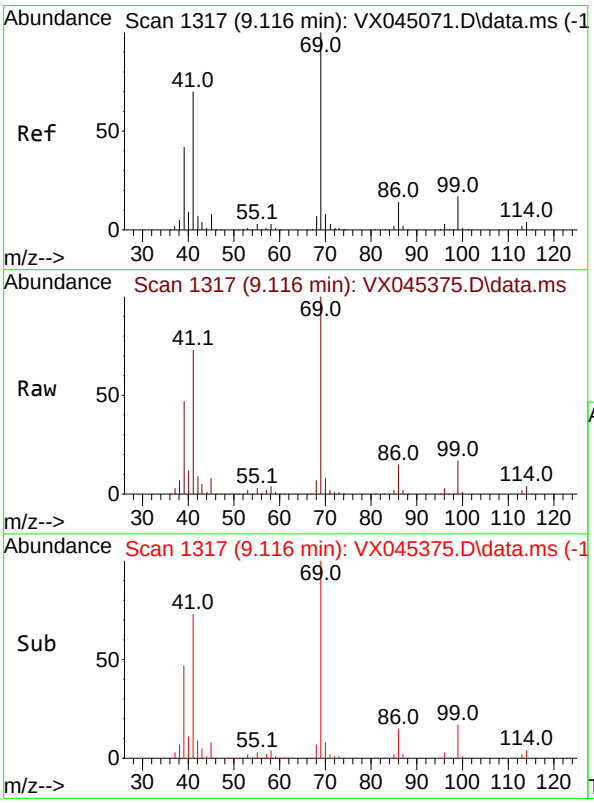
Ion	Ratio	Lower	Upper
97	100		
83	90.8	69.4	104.2
85	56.5	44.1	66.1
99	63.1	50.7	76.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

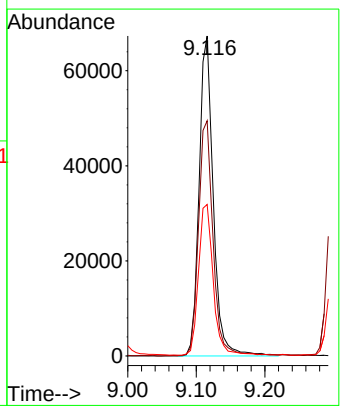
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

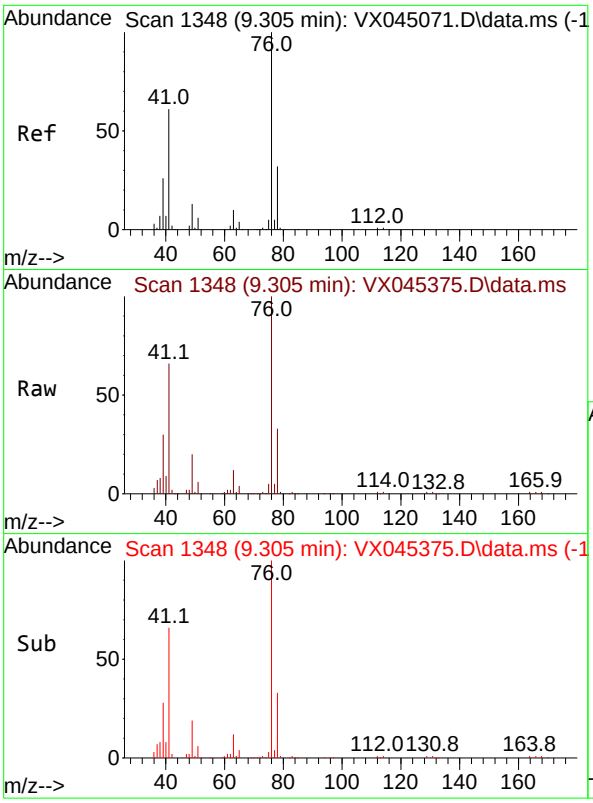


#56
Ethyl methacrylate
Concen: 56.775 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion: 69 Resp: 96944

Ion	Ratio	Lower	Upper
69	100		
41	75.9	57.0	85.4
39	49.0	34.2	51.4





#57
1,3-Dichloropropane
Concen: 54.996 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

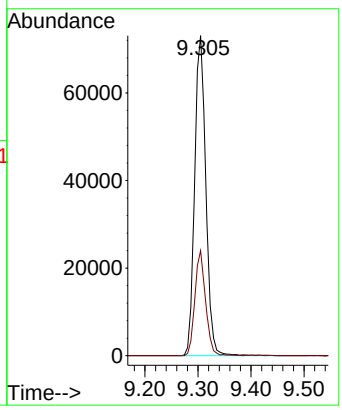
Tgt Ion: 76 Resp: 10691

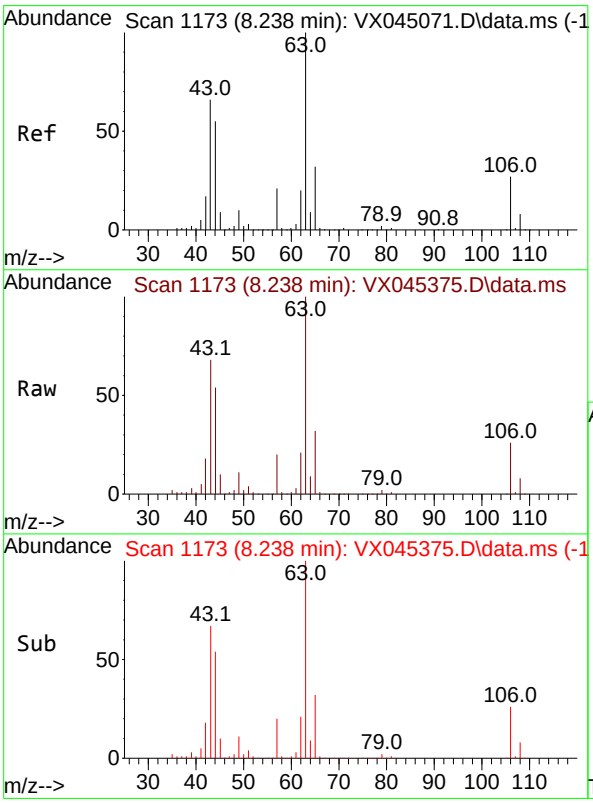
Ion	Ratio	Lower	Upper
76	100		
78	31.5	25.5	38.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

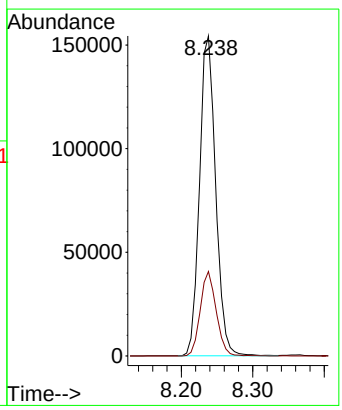


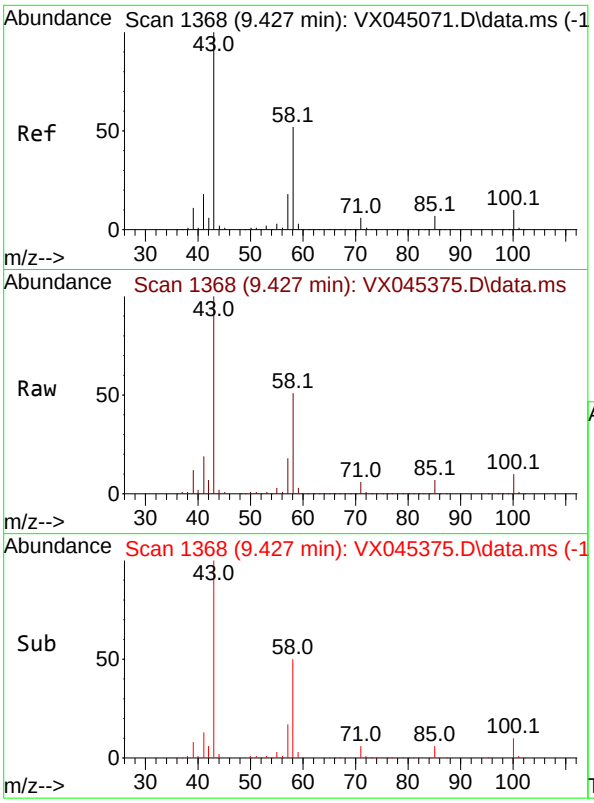


#58
2-Chloroethyl Vinyl ether
Concen: 290.277 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion: 63 Resp: 241784

Ion	Ratio	Lower	Upper
63	100		
106	26.1	21.5	32.3

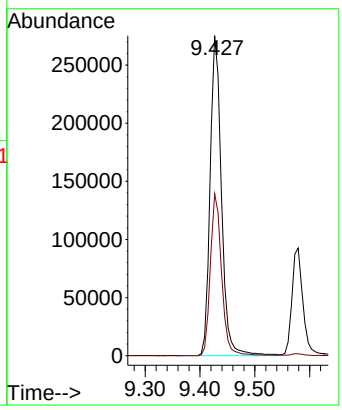




#59
2-Hexanone
Concen: 289.177 ug/l
RT: 9.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion: 43 Resp: 39478

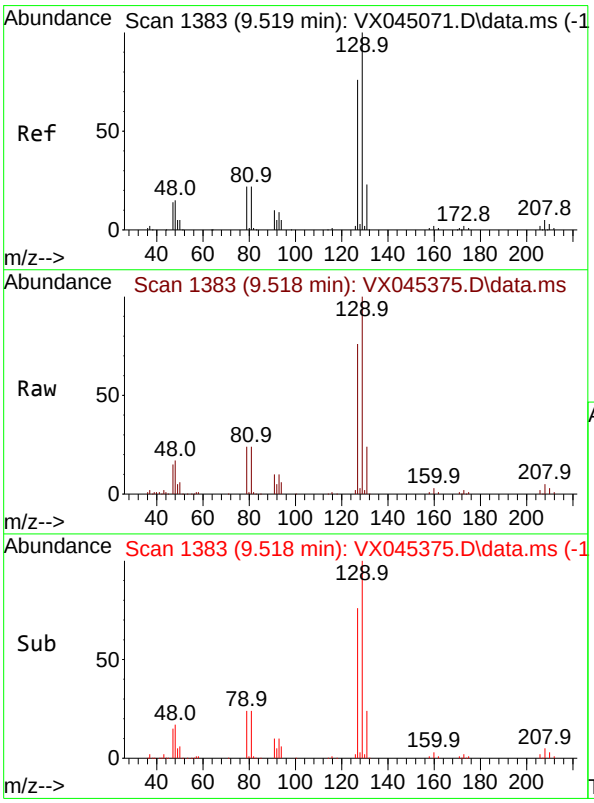
Ion	Ratio	Lower	Upper
43	100		
58	50.2	25.9	77.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

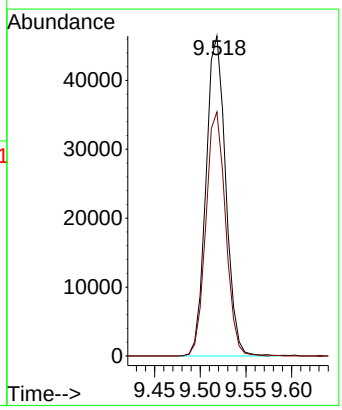
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

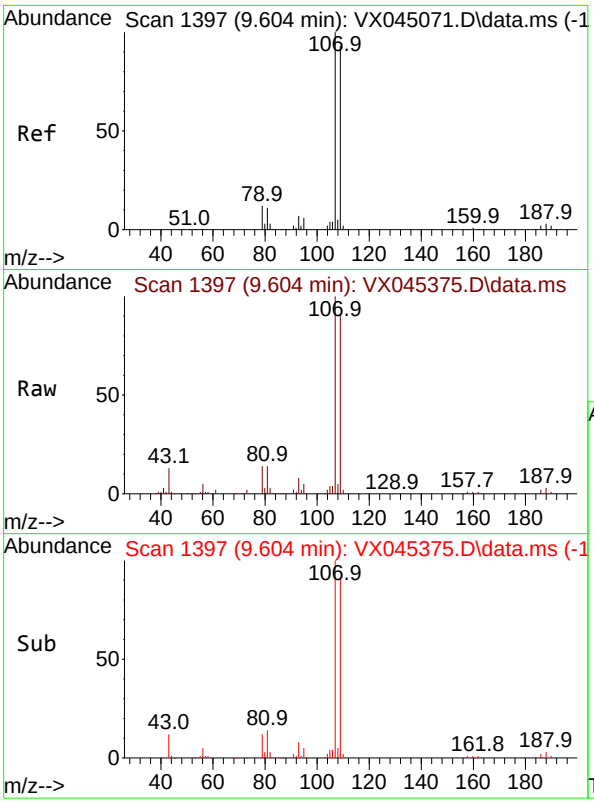


#60
Dibromochloromethane
Concen: 59.051 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion:129 Resp: 69357

Ion	Ratio	Lower	Upper
129	100		
127	76.3	38.5	115.5

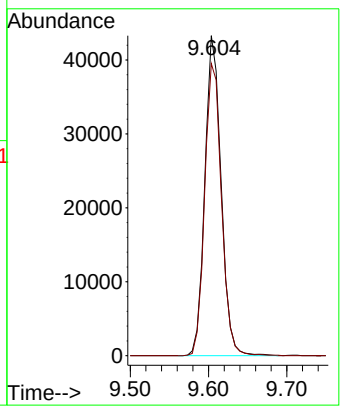




#61
1,2-Dibromoethane
Concen: 55.474 ug/l
RT: 9.604 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion:107 Resp: 6220

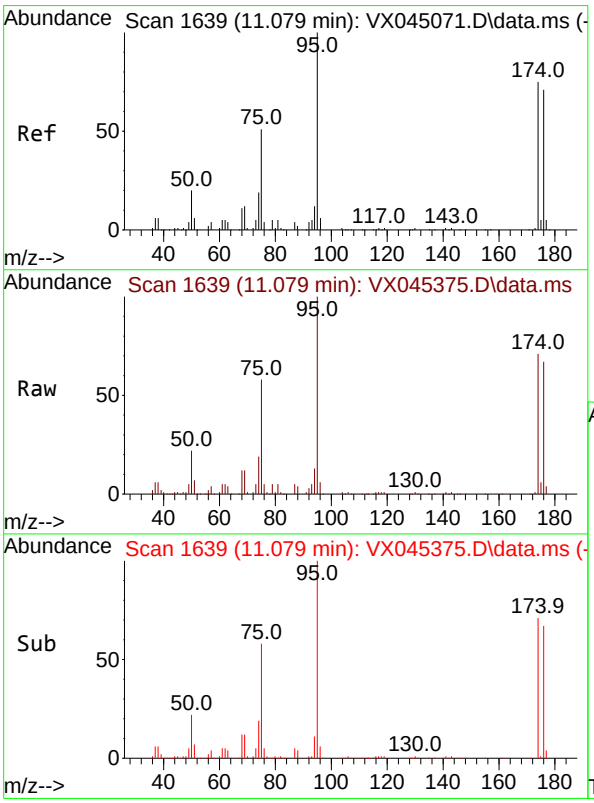
Ion	Ratio	Lower	Upper
107	100		
109	94.4	76.1	114.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

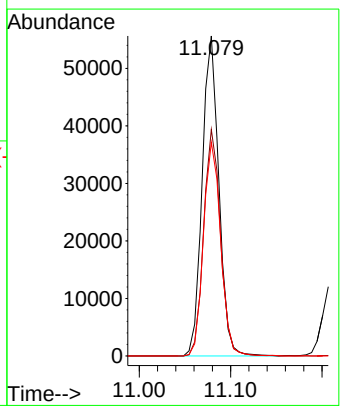
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

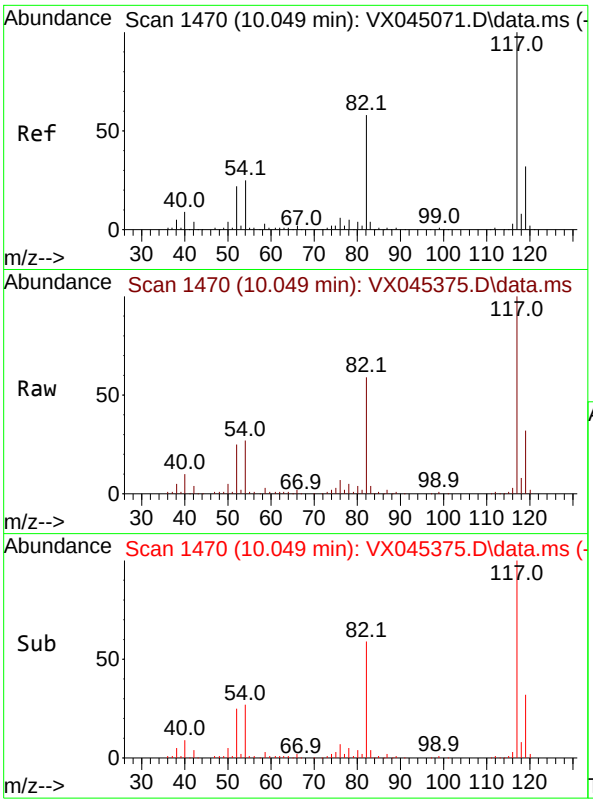


#62
4-Bromofluorobenzene
Concen: 54.537 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion: 95 Resp: 70360

Ion	Ratio	Lower	Upper
95	100		
174	71.3	0.0	148.2
176	68.7	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: VX045375.D
Acq: 21 Mar 2025 10:00

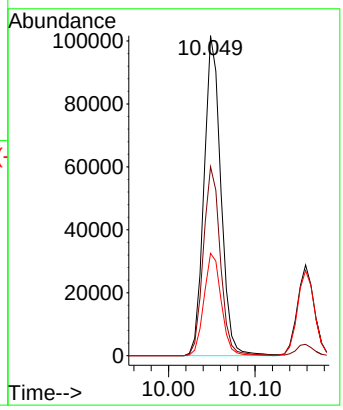
Tgt Ion:117 Resp: 13750

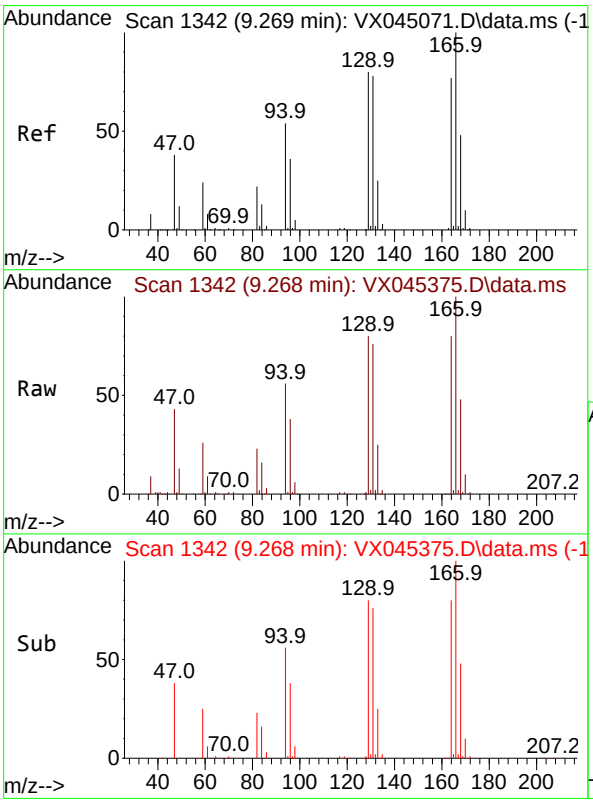
Ion	Ratio	Lower	Upper
117	100		
82	59.1	46.3	69.5
119	32.0	25.7	38.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

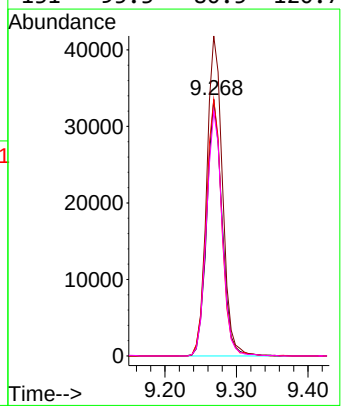


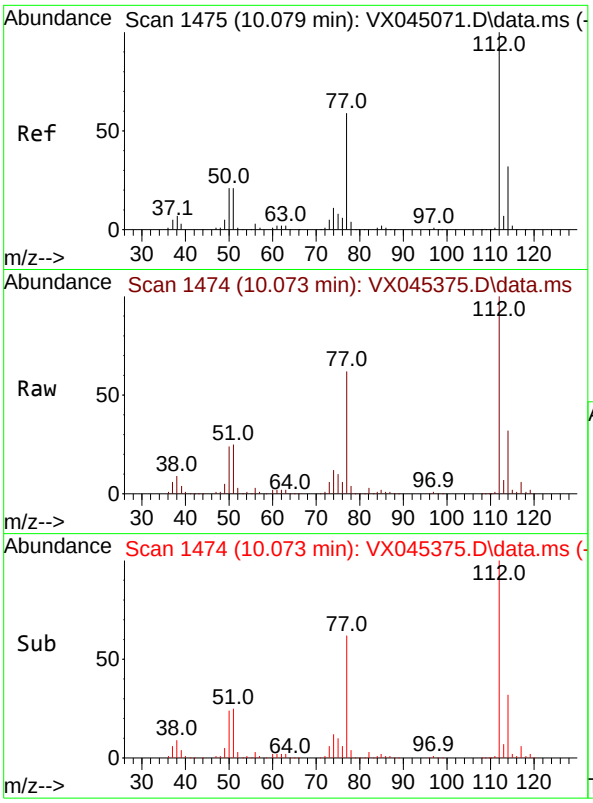


#64
Tetrachloroethene
Concen: 56.573 ug/l
RT: 9.268 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion:164 Resp: 49823

Ion	Ratio	Lower	Upper
164	100		
166	124.7	103.6	155.4
129	100.1	82.7	124.1
131	95.3	80.5	120.7

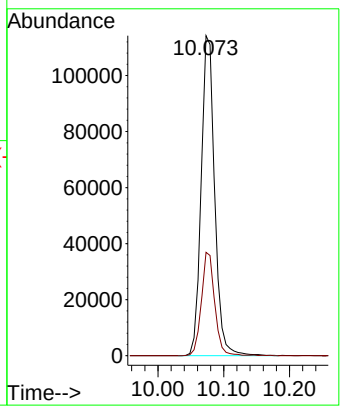




#65
Chlorobenzene
Concen: 56.091 ug/l
RT: 10.073 min Scan# 14
Delta R.T. -0.007 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion:112 Resp: 16320

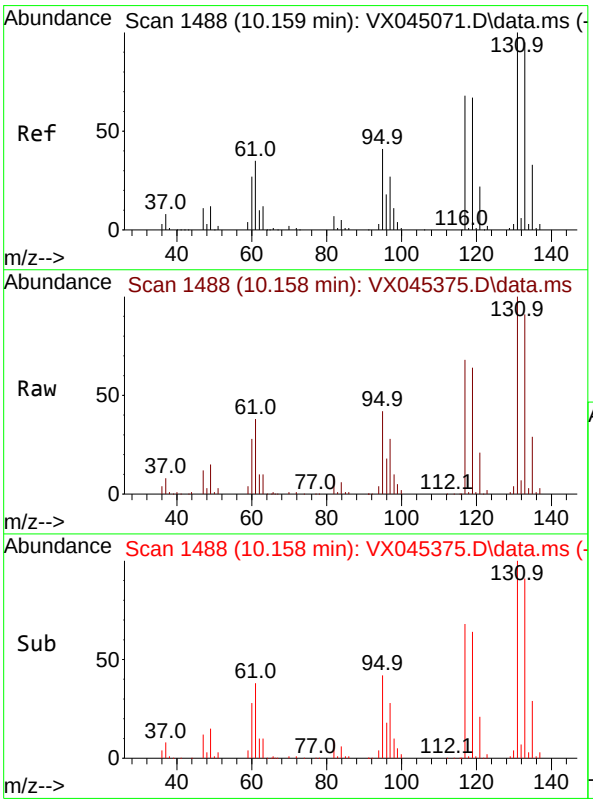
Ion	Ratio	Lower	Upper
112	100		
114	32.3	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

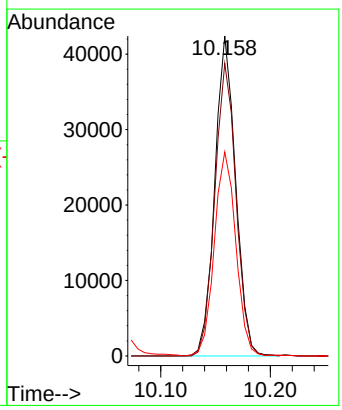
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

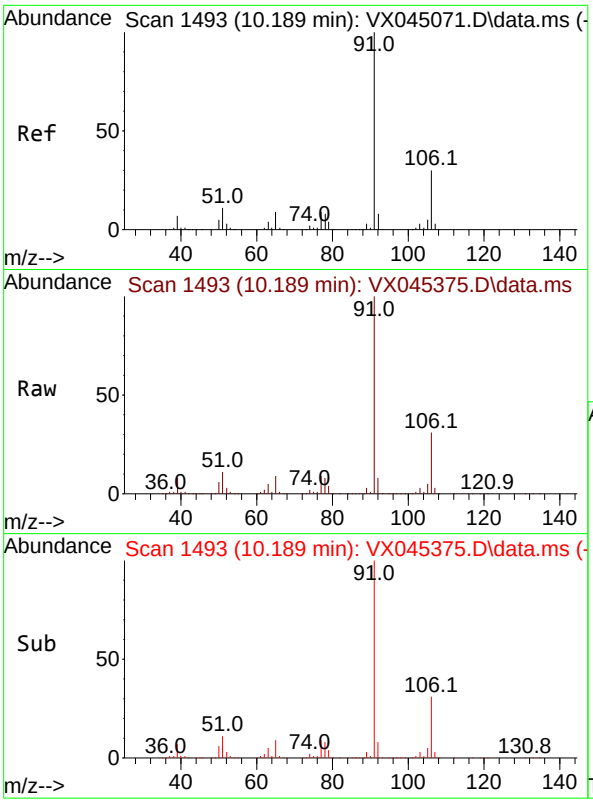


#66
1,1,1,2-Tetrachloroethane
Concen: 57.796 ug/l
RT: 10.158 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion:131 Resp: 56003

Ion	Ratio	Lower	Upper
131	100		
133	93.3	48.6	145.9
119	66.0	33.9	101.7

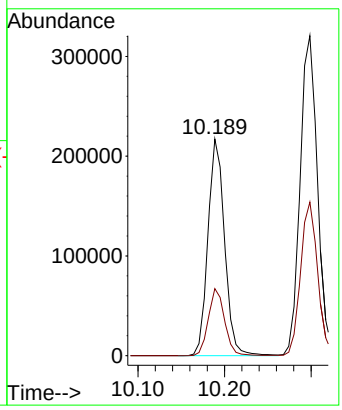




#67
Ethyl Benzene
Concen: 57.291 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion: 91 Resp: 29045

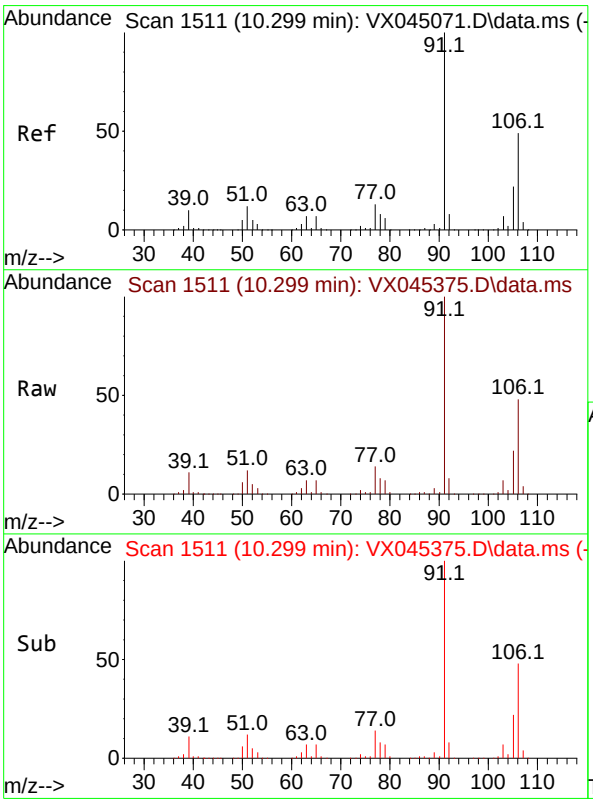
Ion	Ratio	Lower	Upper
91	100		
106	30.9	23.9	35.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

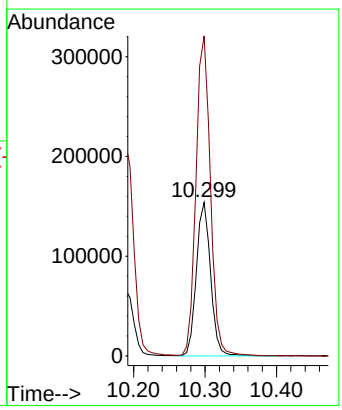
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

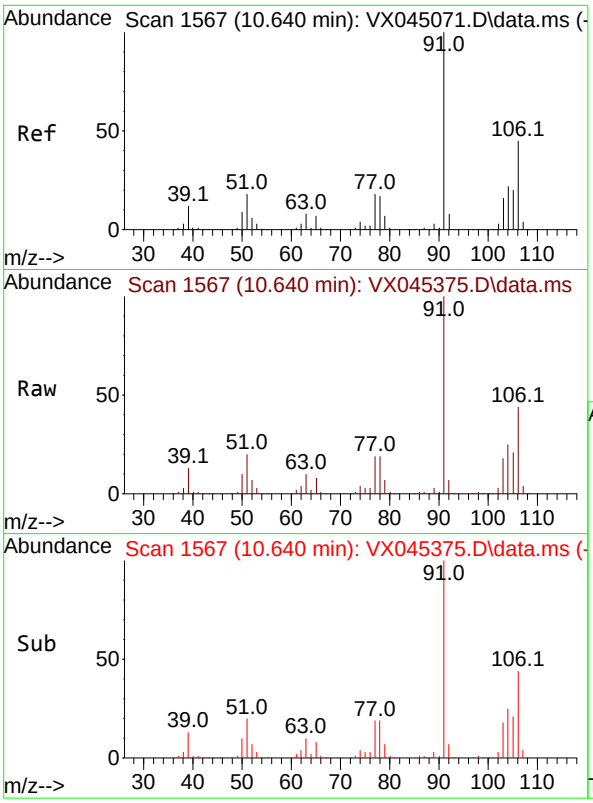


#68
m/p-Xylenes
Concen: 114.295 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion:106 Resp: 212125

Ion	Ratio	Lower	Upper
106	100		
91	212.1	165.4	248.0

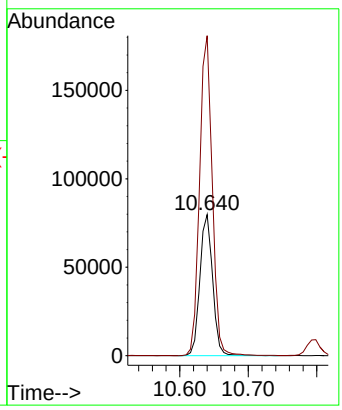




#69
o-Xylene
Concen: 55.079 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion:106 Resp: 10310

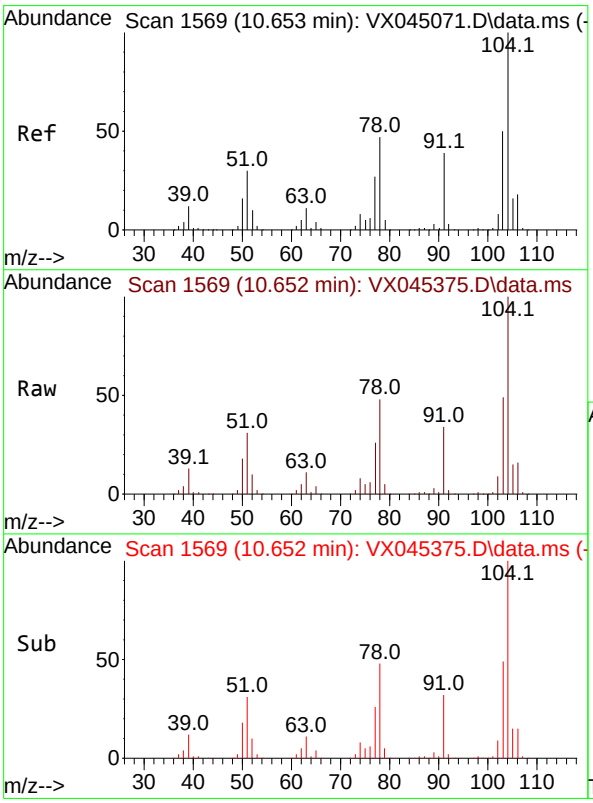
Ion	Ratio	Lower	Upper
106	100		
91	226.2	109.9	329.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

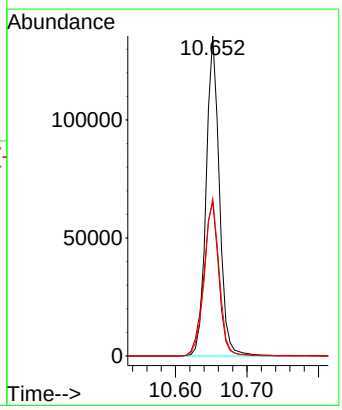
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

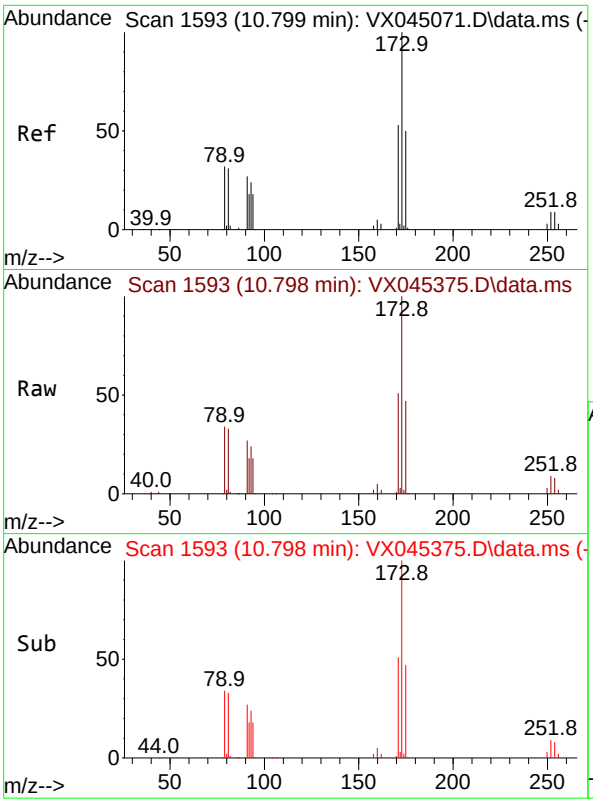


#70
Styrene
Concen: 57.615 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion:104 Resp: 174503

Ion	Ratio	Lower	Upper
104	100		
78	54.9	42.2	63.4
103	54.9	43.8	65.8

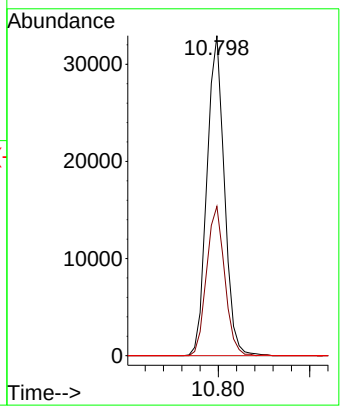




#71
Bromoform
Concen: 59.529 ug/l
RT: 10.798 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion:173 Resp: 4349

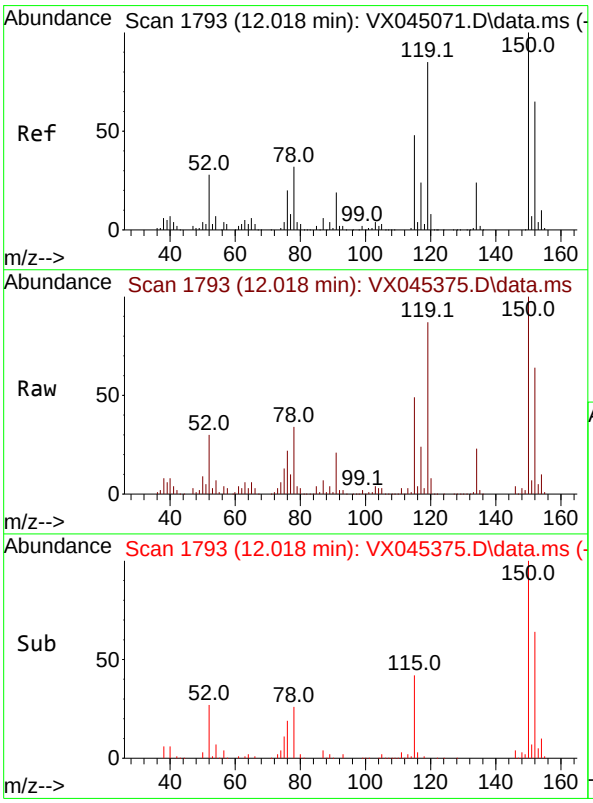
Ion	Ratio	Lower	Upper
173	100		
175	48.4	24.6	73.6
254	0.0	0.0	0.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

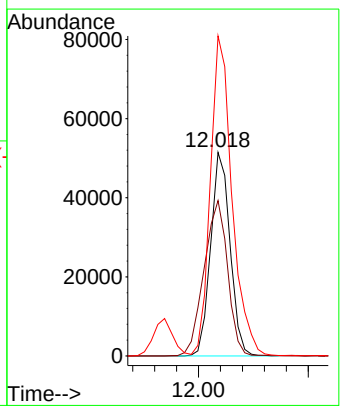
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

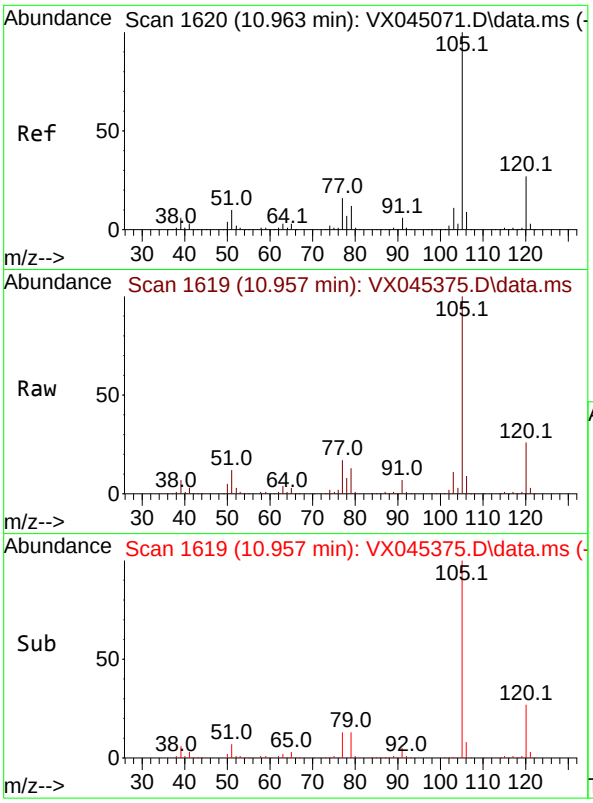


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion:152 Resp: 63153

Ion	Ratio	Lower	Upper
152	100		
115	92.9	44.2	132.6
150	176.1	0.0	349.0





#73
Isopropylbenzene
Concen: 56.299 ug/l
RT: 10.957 min Scan# 1
Delta R.T. -0.007 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

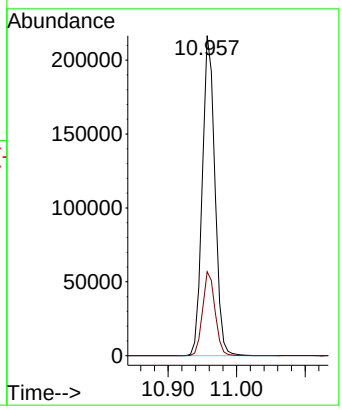
Tgt Ion:105 Resp: 27751

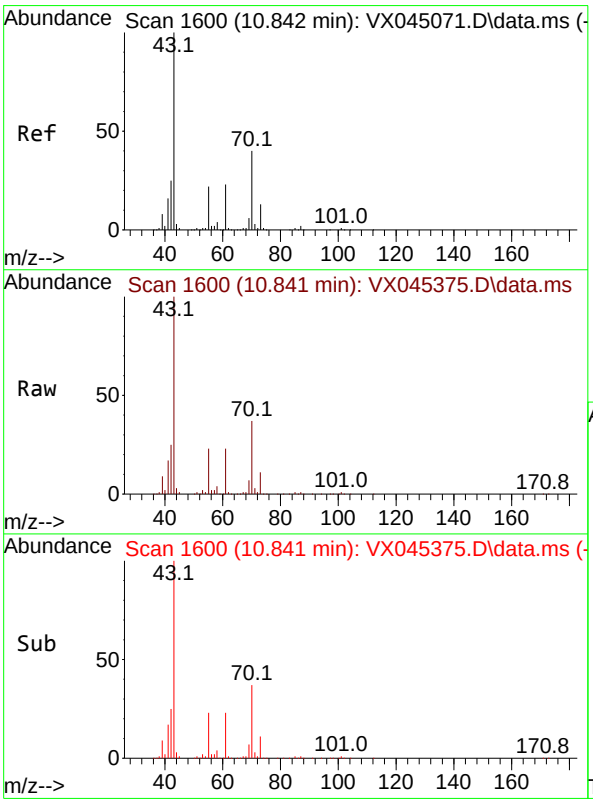
Ion	Ratio	Lower	Upper
105	100		
120	26.0	13.2	39.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

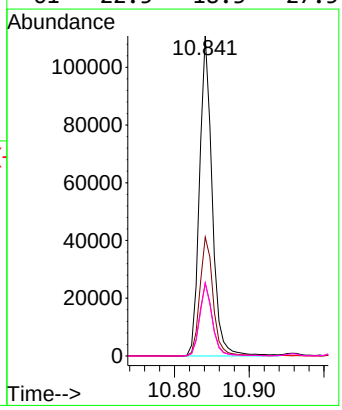


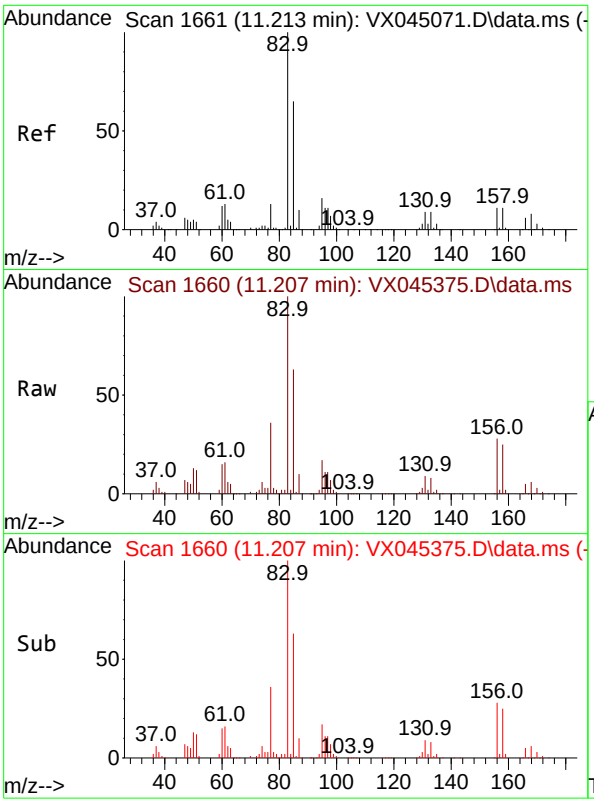


#74
N-amyl acetate
Concen: 56.311 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion: 43 Resp: 130246

Ion	Ratio	Lower	Upper
43	100		
70	39.1	31.8	47.6
55	23.2	18.3	27.5
61	22.5	18.3	27.5

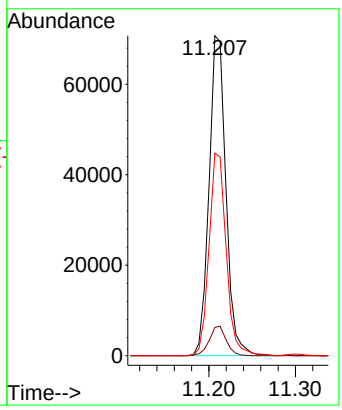




#75
1,1,2,2-Tetrachloroethane
Concen: 53.043 ug/l
RT: 11.207 min Scan# 1
Delta R.T. -0.007 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion: 83 Resp: 9594

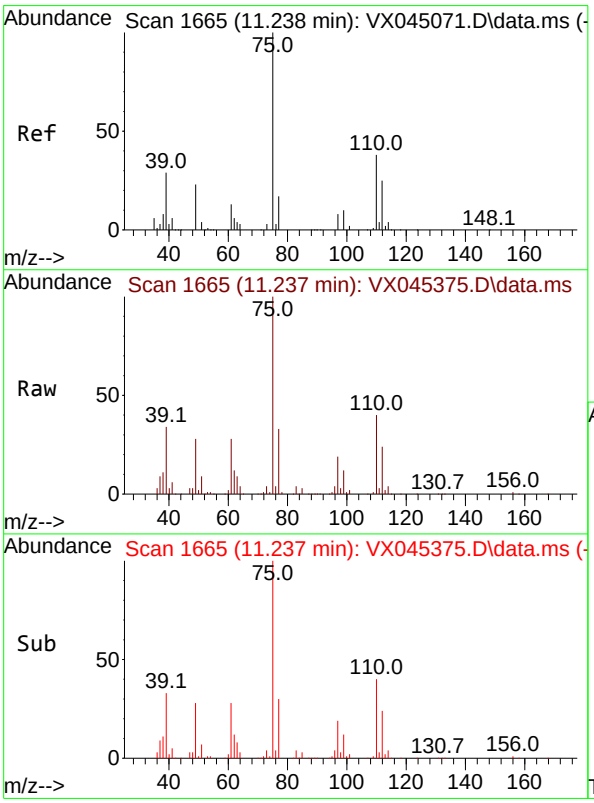
Ion	Ratio	Lower	Upper
83	100		
131	9.3	4.5	13.4
85	64.1	31.7	95.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

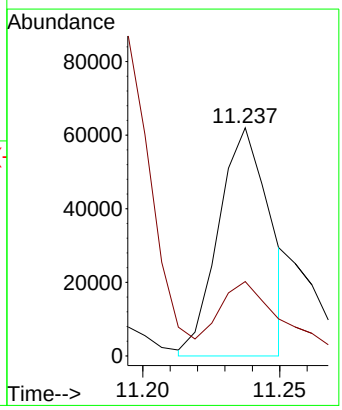
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

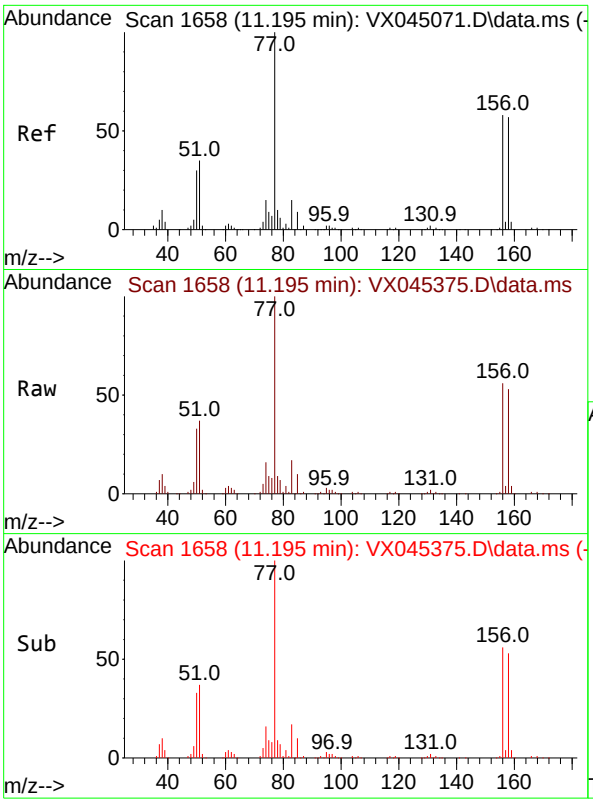


#76
1,2,3-Trichloropropane
Concen: 54.812 ug/l m
RT: 11.237 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion: 75 Resp: 80568

Ion	Ratio	Lower	Upper
75	100		
77	40.6	20.7	62.1

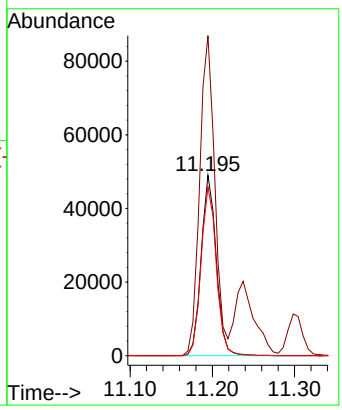




#77
Bromobenzene
Concen: 53.787 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion:156 Resp: 6255

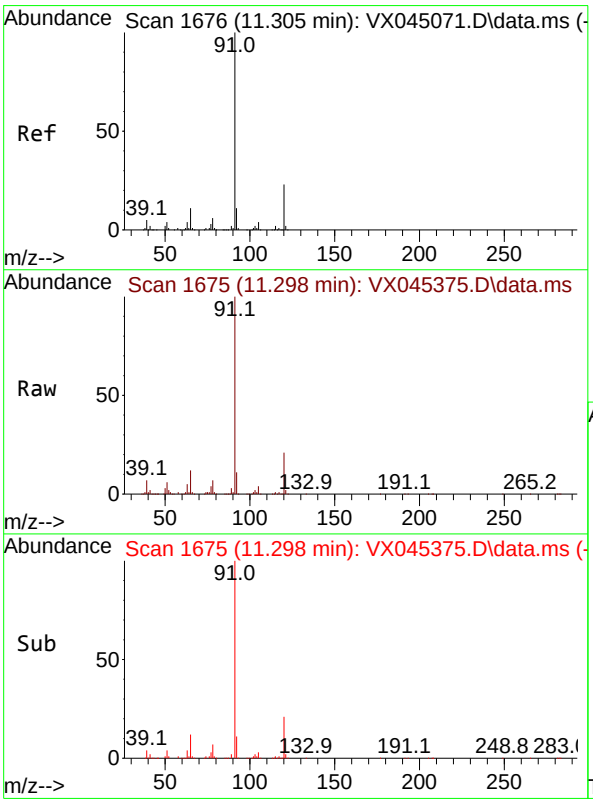
Ion	Ratio	Lower	Upper
156	100		
77	177.8	85.8	257.4
158	94.3	48.4	145.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

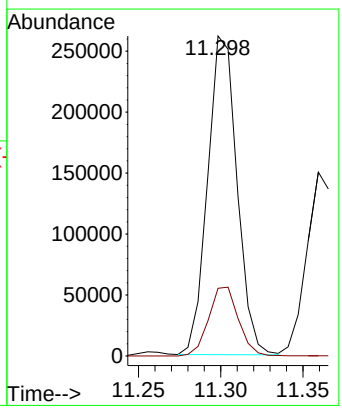
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

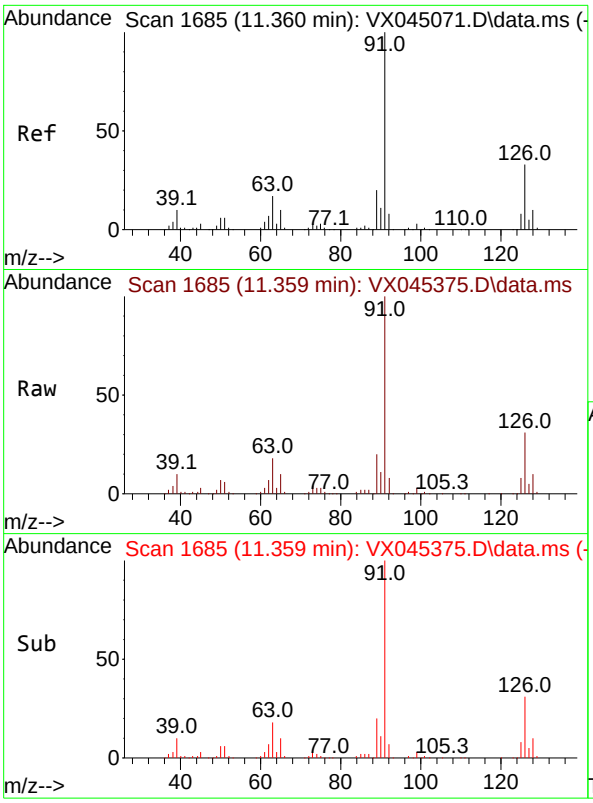


#78
n-propylbenzene
Concen: 58.471 ug/l
RT: 11.298 min Scan# 1675
Delta R.T. -0.007 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion: 91 Resp: 325584

Ion	Ratio	Lower	Upper
91	100		
120	21.9	11.2	33.6

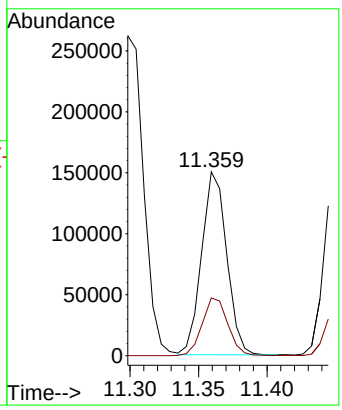




#79
2-Chlorotoluene
Concen: 53.953 ug/l
RT: 11.359 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion: 91 Resp: 19132

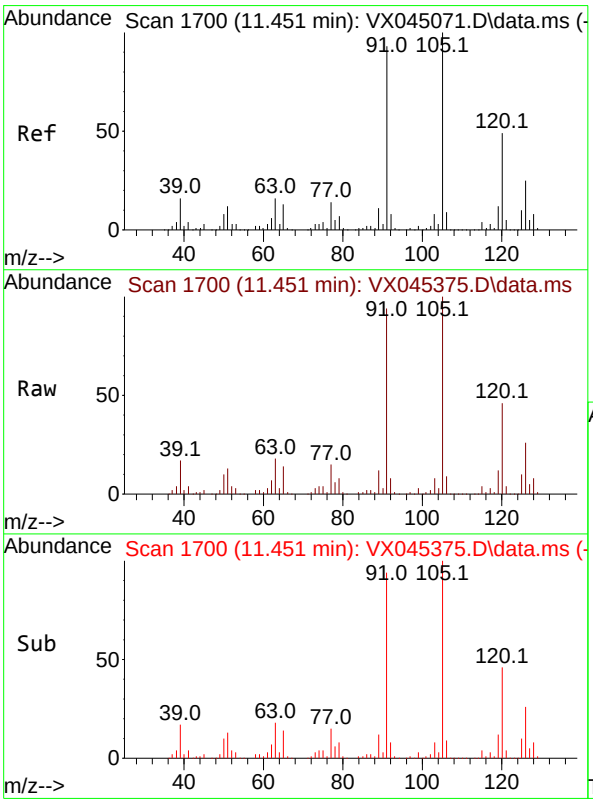
Ion	Ratio	Lower	Upper
91	100		
126	32.4	16.4	49.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

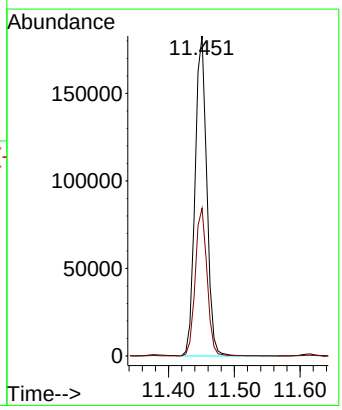
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

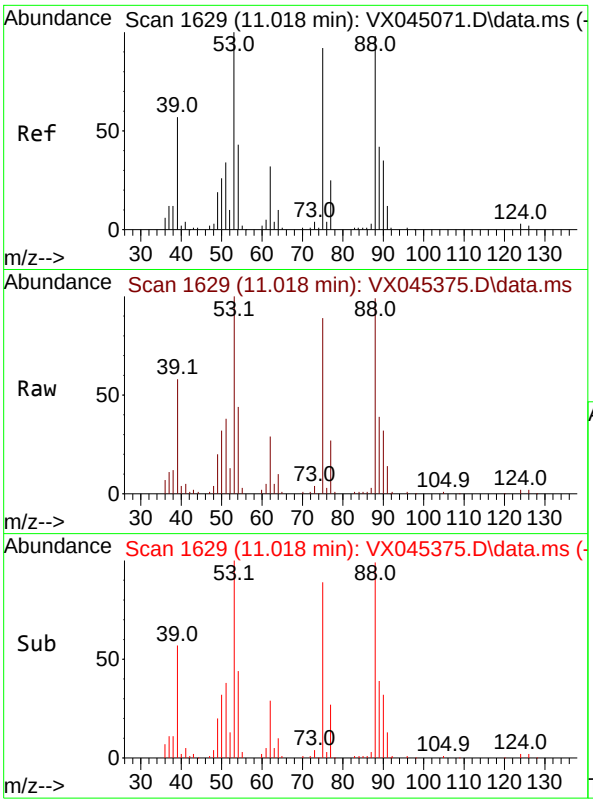


#80
1,3,5-Trimethylbenzene
Concen: 56.669 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion:105 Resp: 225866

Ion	Ratio	Lower	Upper
105	100		
120	46.6	24.1	72.2

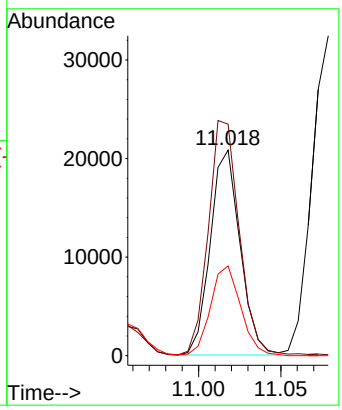




#81
trans-1,4-Dichloro-2-butene
Concen: 61.185 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion: 75 Resp: 2628

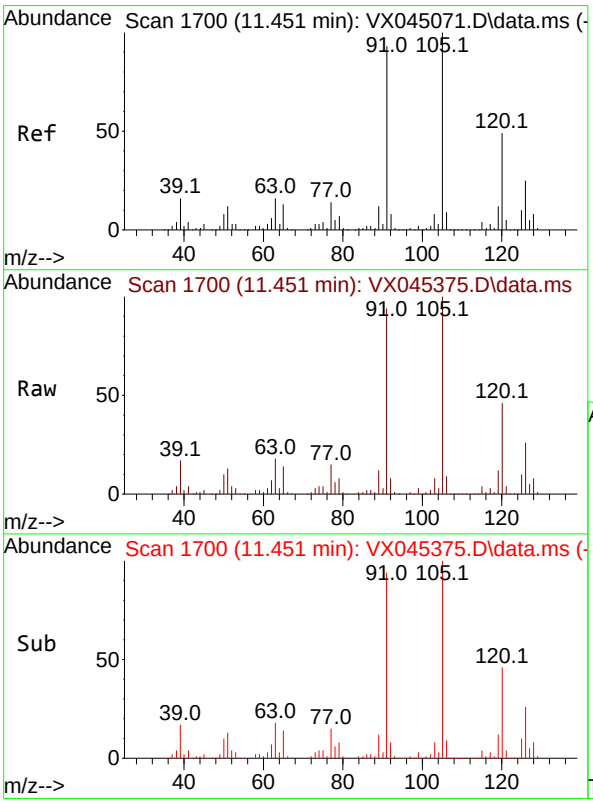
Ion	Ratio	Lower	Upper
75	100		
53	120.0	88.5	132.7
89	44.4	36.2	54.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

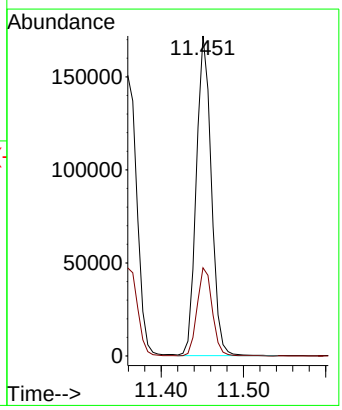
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

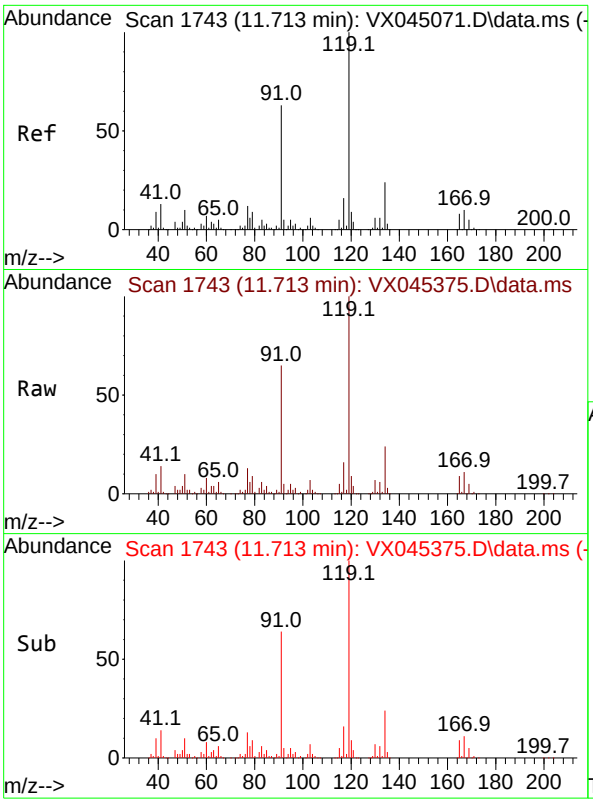


#82
4-Chlorotoluene
Concen: 56.390 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion: 91 Resp: 217941

Ion	Ratio	Lower	Upper
91	100		
126	27.8	14.1	42.4

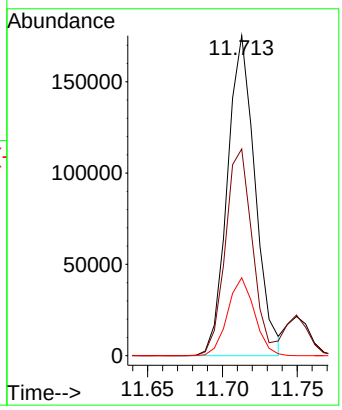




#83
tert-Butylbenzene
Concen: 55.097 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion:119 Resp: 22563

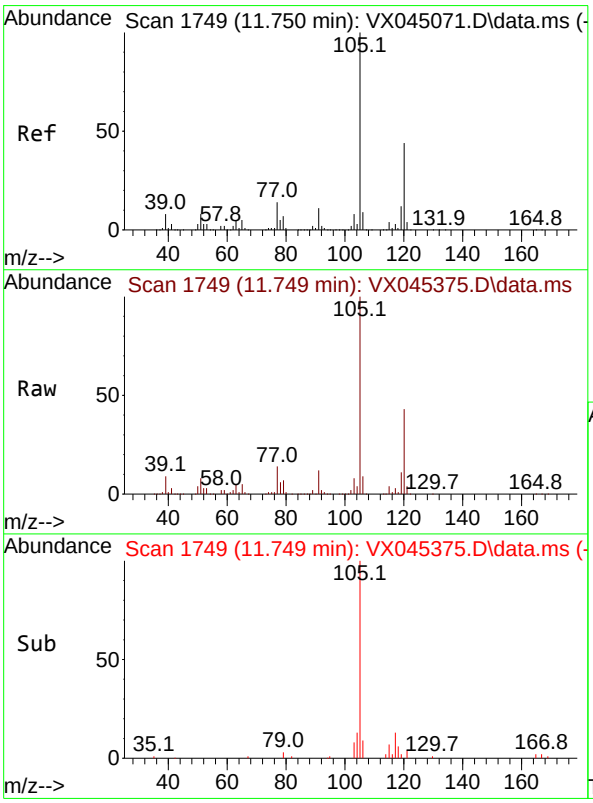
Ion	Ratio	Lower	Upper
119	100		
91	63.9	30.7	92.1
134	23.6	11.7	35.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

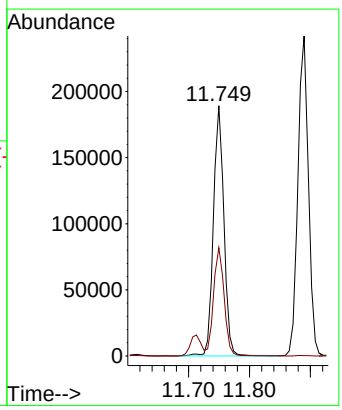
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

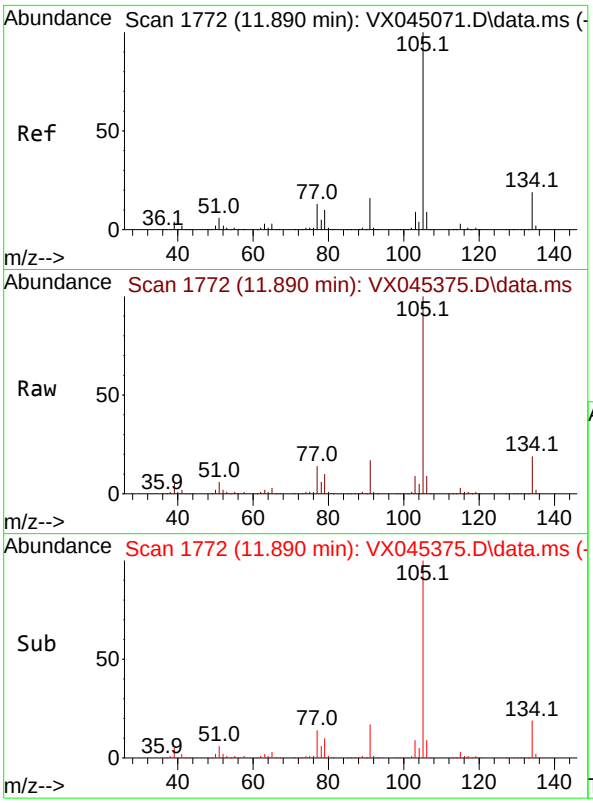


#84
1,2,4-Trimethylbenzene
Concen: 56.511 ug/l
RT: 11.749 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion:105 Resp: 226630

Ion	Ratio	Lower	Upper
105	100		
120	43.8	22.1	66.1

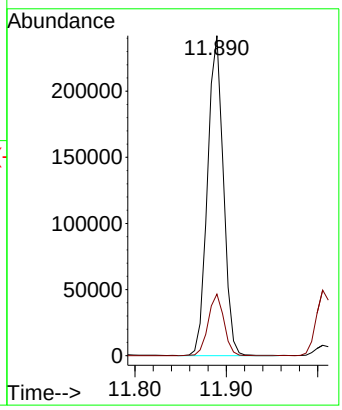




#85
sec-Butylbenzene
Concen: 59.284 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion:105 Resp: 29081

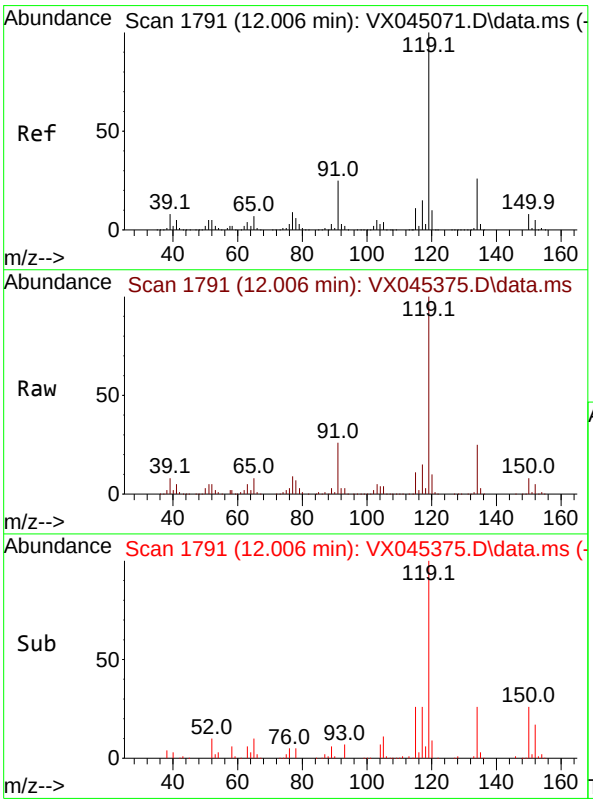
Ion	Ratio	Lower	Upper
105	100		
134	19.1	9.8	29.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

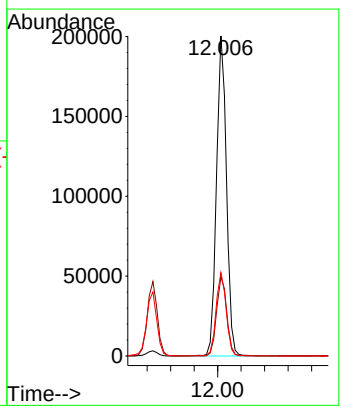
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

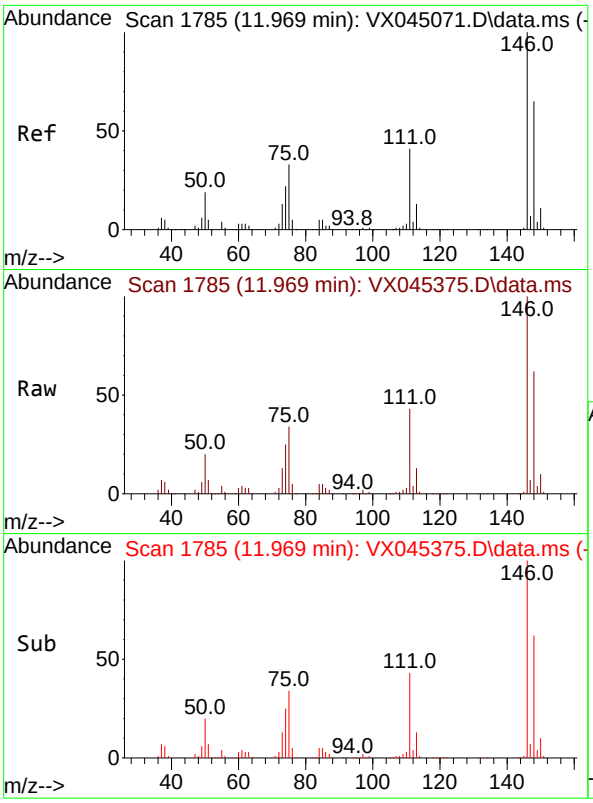


#86
p-Isopropyltoluene
Concen: 59.464 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion:119 Resp: 235736

Ion	Ratio	Lower	Upper
119	100		
134	25.2	12.9	38.6
91	26.3	12.7	38.0

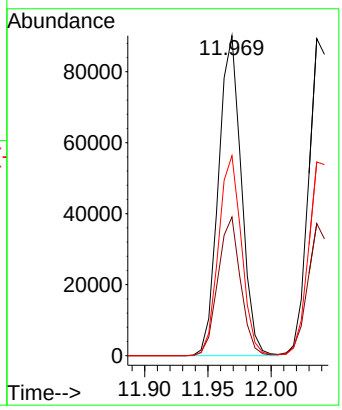




#87
1,3-Dichlorobenzene
Concen: 54.523 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion:146 Resp: 11312

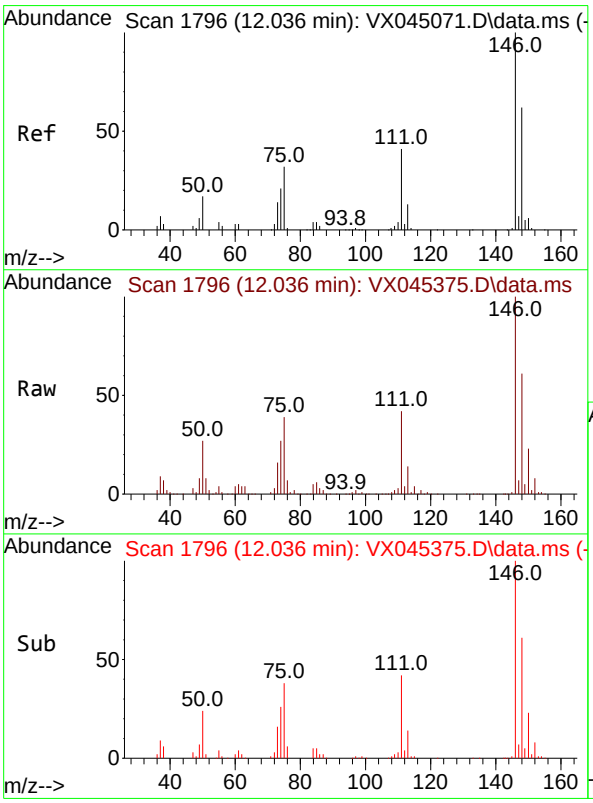
Ion	Ratio	Lower	Upper
146	100		
111	42.9	21.1	63.4
148	62.9	31.9	95.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

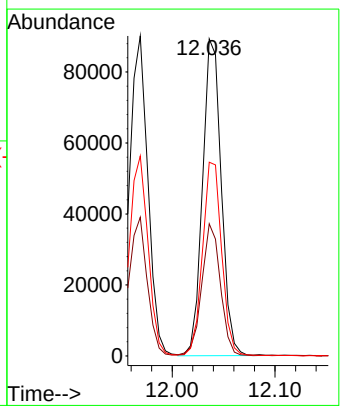
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

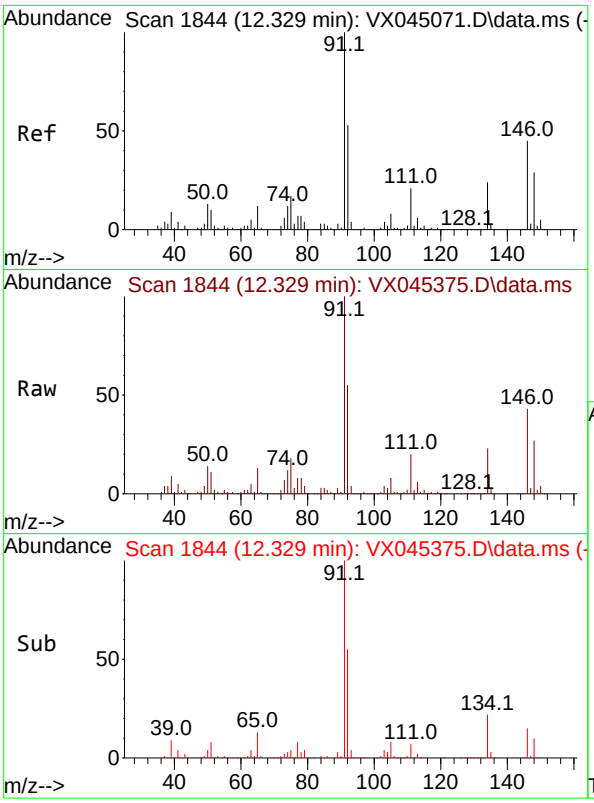


#88
1,4-Dichlorobenzene
Concen: 53.992 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion:146 Resp: 113332

Ion	Ratio	Lower	Upper
146	100		
111	41.3	20.2	60.5
148	62.4	31.9	95.9

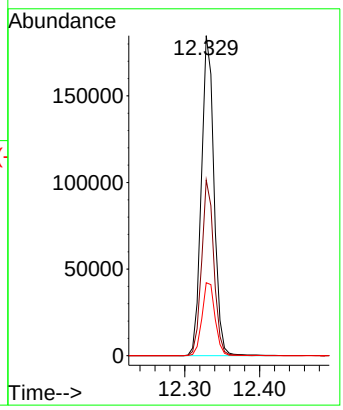




#89
n-Butylbenzene
Concen: 63.349 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion: 91 Resp: 21629

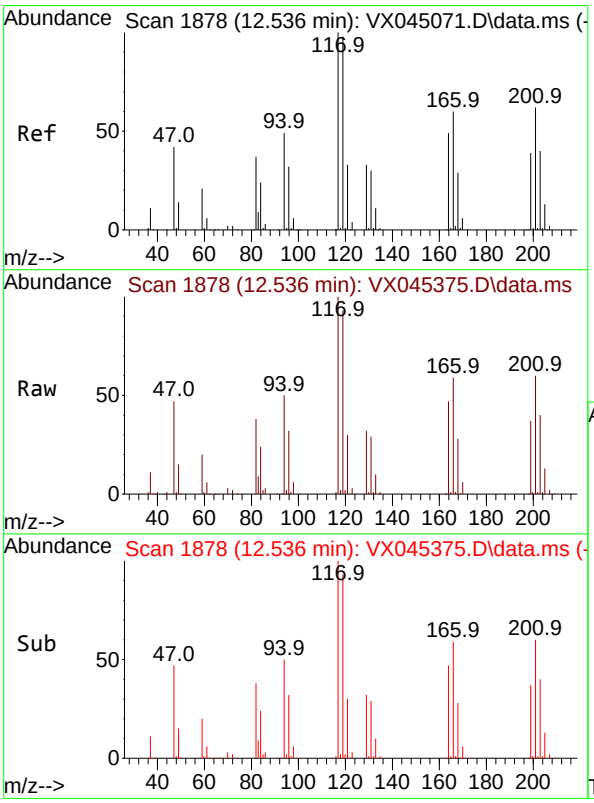
Ion	Ratio	Lower	Upper
91	100		
92	53.4	26.7	80.0
134	23.7	12.2	36.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

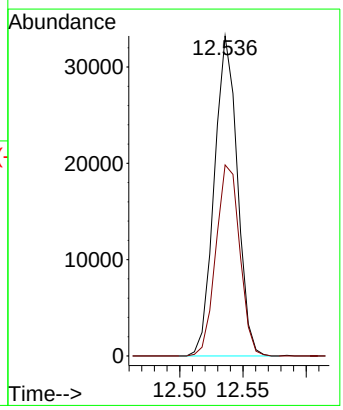
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

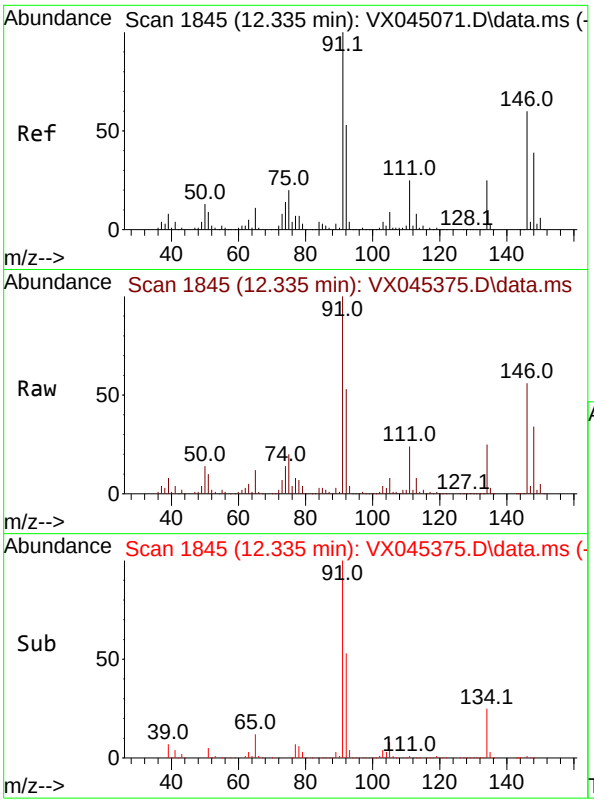


#90
Hexachloroethane
Concen: 58.585 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion:117 Resp: 42009

Ion	Ratio	Lower	Upper
117	100		
201	61.9	31.9	95.9

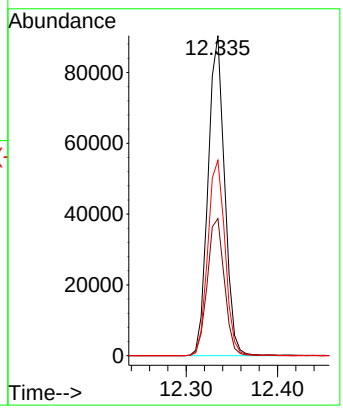




#91
1,2-Dichlorobenzene
Concen: 54.663 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion:146 Resp: 11376

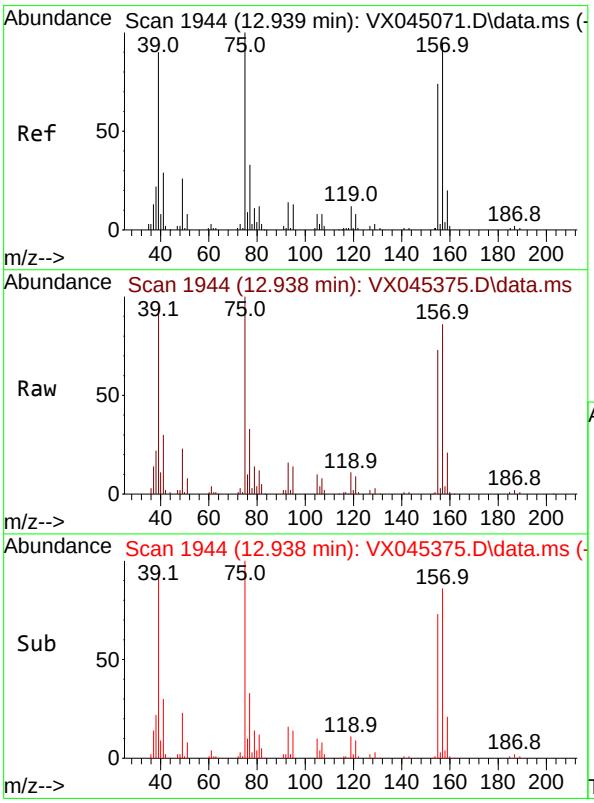
Ion	Ratio	Lower	Upper
146	100		
111	44.2	21.6	65.0
148	63.5	31.9	95.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

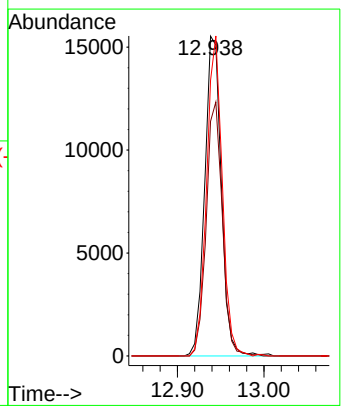
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

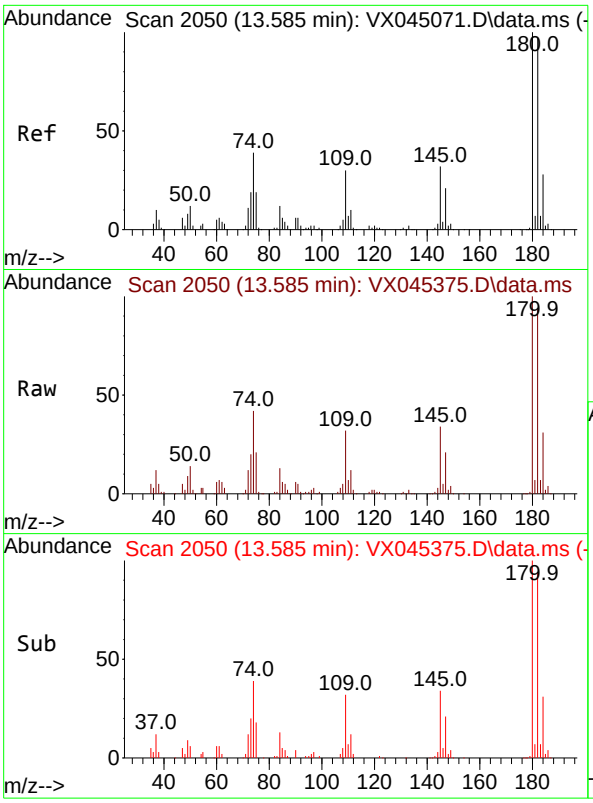


#92
1,2-Dibromo-3-Chloropropane
Concen: 58.578 ug/l
RT: 12.938 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion: 75 Resp: 20643

Ion	Ratio	Lower	Upper
75	100		
155	77.0	39.6	118.7
157	94.2	51.1	153.4

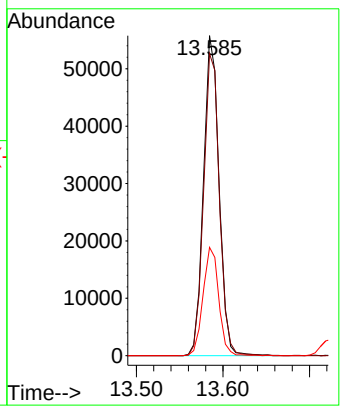




#93
1,2,4-Trichlorobenzene
Concen: 58.569 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion:180 Resp: 6941

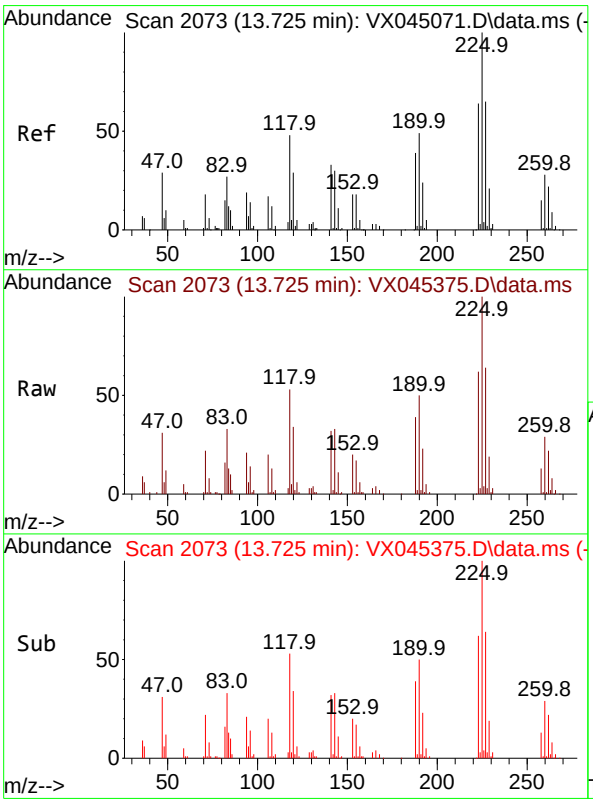
Ion	Ratio	Lower	Upper
180	100		
182	95.9	47.3	141.9
145	34.3	16.3	48.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

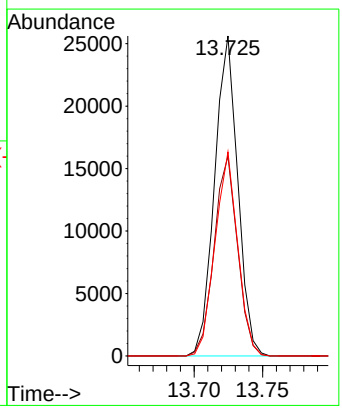
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

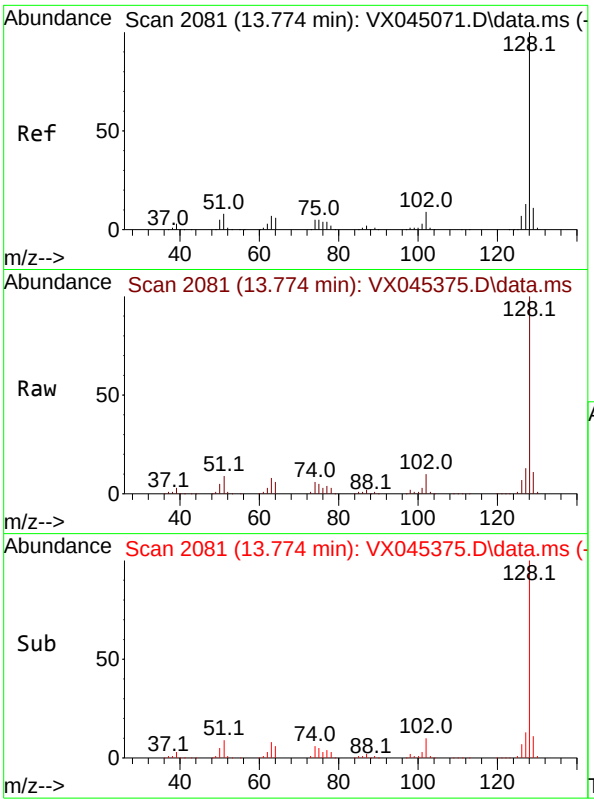


#94
Hexachlorobutadiene
Concen: 61.947 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion:225 Resp: 30098

Ion	Ratio	Lower	Upper
225	100		
223	63.1	31.9	95.7
227	62.5	31.4	94.0





#95
Naphthalene
Concen: 56.574 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

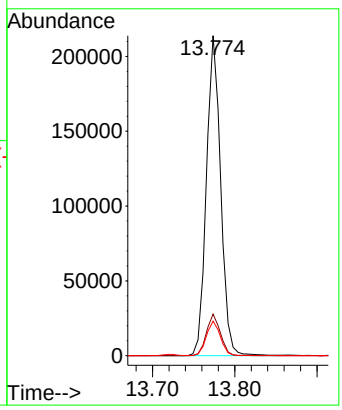
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

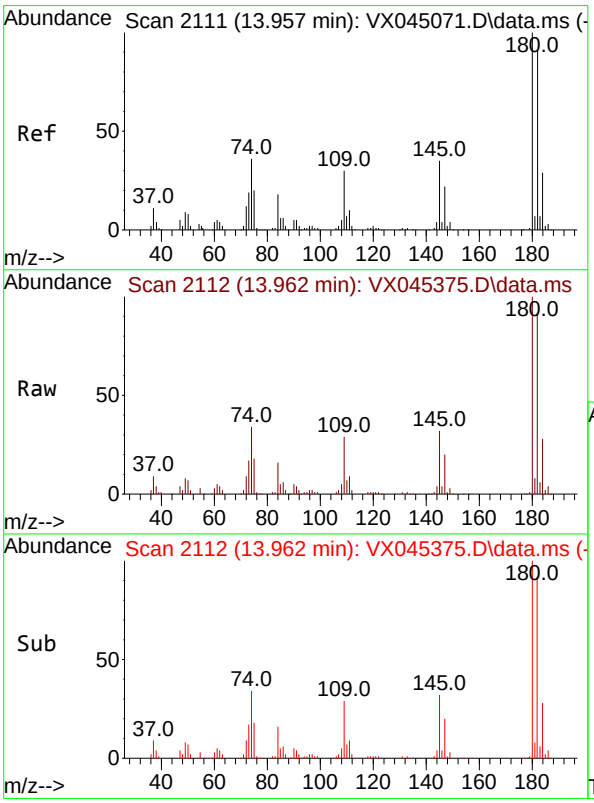
Tgt Ion:128 Resp: 25759

Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.3	15.5
129	10.7	8.7	13.1

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

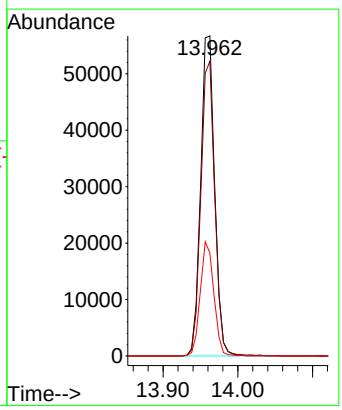




#96
1,2,3-Trichlorobenzene
Concen: 58.994 ug/l
RT: 13.962 min Scan# 2112
Delta R.T. 0.006 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion:180 Resp: 73755

Ion	Ratio	Lower	Upper
180	100		
182	91.8	47.5	142.6
145	34.6	17.0	50.9



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032125\
Data File : VX045375.D
Acq On : 21 Mar 2025 10:00
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 23:09:09 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

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	0.662	-5.2	95	0.00
3	P	Chloromethane	0.770	0.684	11.2	82	0.00
4	C	Vinyl Chloride	0.764	0.690	9.7#	82	0.00
5	T	Bromomethane	0.300	0.302	-0.7	93	0.00
6	T	Chloroethane	0.352	0.328	6.8	79	0.00
7	T	Trichlorofluoromethane	1.011	1.044	-3.3	89	0.00
8	T	Diethyl Ether	0.396	0.362	8.6	84	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.581	0.692	-19.1	105	0.00
10	T	Methyl Iodide	0.726	0.789	-8.7	92	0.00
11	T	Tert butyl alcohol	0.151	0.137	9.3	92	0.00
12	CM	1,1-Dichloroethene	0.614	0.632	-2.9#	91	0.00
13	T	Acrolein	0.174	0.161	7.5	83	0.00
14	T	Allyl chloride	1.094	1.203	-10.0	98	0.00
15	T	Acrylonitrile	0.404	0.432	-6.9	95	0.00
16	T	Acetone	0.369	0.426	-15.4	109	0.00
17	T	Carbon Disulfide	1.636	1.372	16.1	74	0.00
18	T	Methyl Acetate	0.888	1.244	-40.1#	129	0.00
19	T	Methyl tert-butyl Ether	2.061	2.226	-8.0	96	0.00
20	T	Methylene Chloride	0.731	0.735	-0.5	95	0.00
21	T	trans-1,2-Dichloroethene	0.607	0.625	-3.0	89	0.00
22	T	Diisopropyl ether	2.224	2.418	-8.7	95	0.00
23	T	Vinyl Acetate	1.856	2.022	-8.9	92	0.00
24	P	1,1-Dichloroethane	1.247	1.332	-6.8	96	0.00
25	T	2-Butanone	0.555	0.610	-9.9	95	0.00
26	T	2,2-Dichloropropane	0.585	0.957	-63.6#	144	0.00
27	T	cis-1,2-Dichloroethene	0.749	0.799	-6.7	94	0.00
28	T	Bromochloromethane	0.594	0.623	-4.9	93	-0.01
29	T	Tetrahydrofuran	0.373	0.379	-1.6	91	0.00
30	C	Chloroform	1.239	1.364	-10.1#	98	0.00
31	T	Cyclohexane	1.082	1.107	-2.3	90	0.00
32	T	1,1,1-Trichloroethane	1.000	1.111	-11.1	98	0.00
33	S	1,2-Dichloroethane-d4	0.795	0.856	-7.7	102	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	86	0.00
35	S	Dibromofluoromethane	0.334	0.369	-10.5	97	-0.01
36	T	1,1-Dichloropropene	0.459	0.494	-7.6	91	0.00
37	T	Ethyl Acetate	0.591	0.636	-7.6	91	0.00
38	T	Carbon Tetrachloride	0.465	0.543	-16.8	100	0.00
39	T	Methylcyclohexane	0.549	0.626	-14.0	92	0.00
40	TM	Benzene	1.448	1.566	-8.1	90	0.00
41	T	Methacrylonitrile	0.319	0.379	-18.8	96	0.00
42	TM	1,2-Dichloroethane	0.521	0.622	-19.4	102	0.00
43	T	Isopropyl Acetate	0.874	0.989	-13.2	92	0.00
44	TM	Trichloroethene	0.340	0.364	-7.1	92	0.00
45	C	1,2-Dichloropropane	0.372	0.404	-8.6#	94	0.00
46	T	Dibromomethane	0.263	0.306	-16.3	98	0.00
47	T	Bromodichloromethane	0.516	0.613	-18.8	101	0.00
48	T	Methyl methacrylate	0.438	0.518	-18.3	96	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032125\
Data File : VX045375.D
Acq On : 21 Mar 2025 10:00
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 23:09:09 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

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	80	0.00
50	S	Toluene-d8	1.212	1.255	-3.5	89	0.00
51	T	4-Methyl-2-Pentanone	0.587	0.667	-13.6	94	0.00
52	CM	Toluene	0.849	0.943	-11.1#	90	0.00
53	T	t-1,3-Dichloropropene	0.431	0.541	-25.5#	99	0.00
54	T	cis-1,3-Dichloropropene	0.503	0.615	-22.3	99	0.00
55	T	1,1,2-Trichloroethane	0.350	0.382	-9.1	92	0.00
56	T	Ethyl methacrylate	0.532	0.604	-13.5	91	0.00
57	T	1,3-Dichloropropane	0.605	0.666	-10.1	93	0.00
58	T	2-Chloroethyl Vinyl ether	0.259	0.301	-16.2	91	0.00
59	T	2-Hexanone	0.425	0.492	-15.8	95	0.00
60	T	Dibromochloromethane	0.366	0.432	-18.0	97	0.00
61	T	1,2-Dibromoethane	0.349	0.387	-10.9	94	0.00
62	S	4-Bromofluorobenzene	0.402	0.438	-9.0	94	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	85	0.00
64	T	Tetrachloroethene	0.320	0.362	-13.1	95	0.00
65	PM	Chlorobenzene	1.058	1.187	-12.2	92	0.00
66	T	1,1,1,2-Tetrachloroethane	0.352	0.407	-15.6	97	0.00
67	C	Ethyl Benzene	1.843	2.112	-14.6#	92	0.00
68	T	m/p-Xylenes	0.675	0.771	-14.2	90	0.00
69	T	o-Xylene	0.681	0.750	-10.1	90	0.00
70	T	Styrene	1.101	1.269	-15.3	91	0.00
71	P	Bromoform	0.266	0.316	-18.8	97	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	89	0.00
73	T	Isopropylbenzene	3.903	4.394	-12.6	94	0.00
74	T	N-amyl acetate	1.831	2.062	-12.6	92	0.00
75	P	1,1,2,2-Tetrachloroethane	1.432	1.519	-6.1	95	0.00
76	T	1,2,3-Trichloropropane	1.164	1.276	-9.6	99	0.00
77	T	Bromobenzene	0.921	0.991	-7.6	94	0.00
78	T	n-propylbenzene	4.409	5.155	-16.9	95	0.00
79	T	2-Chlorotoluene	2.808	3.030	-7.9	94	0.00
80	T	1,3,5-Trimethylbenzene	3.156	3.576	-13.3	94	0.00
81	T	trans-1,4-Dichloro-2-butene	0.340	0.416	-22.4	109	0.00
82	T	4-Chlorotoluene	3.060	3.451	-12.8	95	0.00
83	T	tert-Butylbenzene	3.242	3.573	-10.2	94	0.00
84	T	1,2,4-Trimethylbenzene	3.175	3.589	-13.0	94	0.00
85	T	sec-Butylbenzene	3.884	4.605	-18.6	97	0.00
86	T	p-Isopropyltoluene	3.139	3.733	-18.9	97	0.00
87	T	1,3-Dichlorobenzene	1.643	1.791	-9.0	95	0.00
88	T	1,4-Dichlorobenzene	1.662	1.795	-8.0	94	0.00
89	T	n-Butylbenzene	2.703	3.425	-26.7#	101	0.00
90	T	Hexachloroethane	0.568	0.665	-17.1	98	0.00
91	T	1,2-Dichlorobenzene	1.648	1.801	-9.3	96	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.279	0.327	-17.2	100	0.00
93	T	1,2,4-Trichlorobenzene	0.938	1.099	-17.2	97	0.00
94	T	Hexachlorobutadiene	0.385	0.477	-23.9	108	0.00
95	T	Naphthalene	3.605	4.079	-13.1	93	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032125\
Data File : VX045375.D
Acq On : 21 Mar 2025 10:00
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 23:09:09 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

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	1.168	-18.0	98	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032125\
Data File : VX045375.D
Acq On : 21 Mar 2025 10:00
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 23:09:09 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

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	52.626	-5.3	95	0.00
3	P	Chloromethane	50.000	44.404	11.2	82	0.00
4	C	Vinyl Chloride	50.000	45.160	9.7#	82	0.00
5	T	Bromomethane	50.000	50.221	-0.4	93	0.00
6	T	Chloroethane	50.000	46.464	7.1	79	0.00
7	T	Trichlorofluoromethane	50.000	51.606	-3.2	89	0.00
8	T	Diethyl Ether	50.000	45.807	8.4	84	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	59.577	-19.2	105	0.00
10	T	Methyl Iodide	50.000	54.343	-8.7	92	0.00
11	T	Tert butyl alcohol	250.000	227.264	9.1	92	0.00
12	CM	1,1-Dichloroethene	50.000	51.410	-2.8#	91	0.00
13	T	Acrolein	250.000	230.519	7.8	83	0.00
14	T	Allyl chloride	50.000	55.012	-10.0	98	0.00
15	T	Acrylonitrile	250.000	267.415	-7.0	95	0.00
16	T	Acetone	250.000	288.897	-15.6	109	0.00
17	T	Carbon Disulfide	50.000	41.928	16.1	74	0.00
18	T	Methyl Acetate	50.000	70.079	-40.2#	129	0.00
19	T	Methyl tert-butyl Ether	50.000	53.992	-8.0	96	0.00
20	T	Methylene Chloride	50.000	50.254	-0.5	95	0.00
21	T	trans-1,2-Dichloroethene	50.000	51.494	-3.0	89	0.00
22	T	Diisopropyl ether	50.000	54.361	-8.7	95	0.00
23	T	Vinyl Acetate	250.000	272.307	-8.9	92	0.00
24	P	1,1-Dichloroethane	50.000	53.425	-6.8	96	0.00
25	T	2-Butanone	250.000	274.508	-9.8	95	0.00
26	T	2,2-Dichloropropane	50.000	81.849	-63.7#	144	0.00
27	T	cis-1,2-Dichloroethene	50.000	53.306	-6.6	94	0.00
28	T	Bromochloromethane	50.000	52.401	-4.8	93	-0.01
29	T	Tetrahydrofuran	250.000	254.275	-1.7	91	0.00
30	C	Chloroform	50.000	55.068	-10.1#	98	0.00
31	T	Cyclohexane	50.000	51.149	-2.3	90	0.00
32	T	1,1,1-Trichloroethane	50.000	55.539	-11.1	98	0.00
33	S	1,2-Dichloroethane-d4	50.000	53.804	-7.6	102	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	86	0.00
35	S	Dibromofluoromethane	50.000	55.112	-10.2	97	-0.01
36	T	1,1-Dichloropropene	50.000	53.824	-7.6	91	0.00
37	T	Ethyl Acetate	50.000	53.844	-7.7	91	0.00
38	T	Carbon Tetrachloride	50.000	58.316	-16.6	100	0.00
39	T	Methylcyclohexane	50.000	56.964	-13.9	92	0.00
40	TM	Benzene	50.000	54.071	-8.1	90	0.00
41	T	Methacrylonitrile	50.000	59.274	-18.5	96	0.00
42	TM	1,2-Dichloroethane	50.000	59.688	-19.4	102	0.00
43	T	Isopropyl Acetate	50.000	56.586	-13.2	92	0.00
44	TM	Trichloroethene	50.000	53.543	-7.1	92	0.00
45	C	1,2-Dichloropropane	50.000	54.233	-8.5#	94	0.00
46	T	Dibromomethane	50.000	58.204	-16.4	98	0.00
47	T	Bromodichloromethane	50.000	59.351	-18.7	101	0.00
48	T	Methyl methacrylate	50.000	59.086	-18.2	96	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032125\
Data File : VX045375.D
Acq On : 21 Mar 2025 10:00
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 23:09:09 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

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	938.459	6.2	80	0.00
50	S	Toluene-d8	50.000	51.765	-3.5	89	0.00
51	T	4-Methyl-2-Pentanone	250.000	284.145	-13.7	94	0.00
52	CM	Toluene	50.000	55.490	-11.0#	90	0.00
53	T	t-1,3-Dichloropropene	50.000	62.714	-25.4#	99	0.00
54	T	cis-1,3-Dichloropropene	50.000	61.078	-22.2	99	0.00
55	T	1,1,2-Trichloroethane	50.000	54.637	-9.3	92	0.00
56	T	Ethyl methacrylate	50.000	56.775	-13.5	91	0.00
57	T	1,3-Dichloropropane	50.000	54.996	-10.0	93	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	290.277	-16.1	91	0.00
59	T	2-Hexanone	250.000	289.177	-15.7	95	0.00
60	T	Dibromochloromethane	50.000	59.051	-18.1	97	0.00
61	T	1,2-Dibromoethane	50.000	55.474	-10.9	94	0.00
62	S	4-Bromofluorobenzene	50.000	54.537	-9.1	94	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	85	0.00
64	T	Tetrachloroethene	50.000	56.573	-13.1	95	0.00
65	PM	Chlorobenzene	50.000	56.091	-12.2	92	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	57.796	-15.6	97	0.00
67	C	Ethyl Benzene	50.000	57.291	-14.6#	92	0.00
68	T	m/p-Xylenes	100.000	114.295	-14.3	90	0.00
69	T	o-Xylene	50.000	55.079	-10.2	90	0.00
70	T	Styrene	50.000	57.615	-15.2	91	0.00
71	P	Bromoform	50.000	59.529	-19.1	97	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	89	0.00
73	T	Isopropylbenzene	50.000	56.299	-12.6	94	0.00
74	T	N-amyl acetate	50.000	56.311	-12.6	92	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	53.043	-6.1	95	0.00
76	T	1,2,3-Trichloropropane	50.000	54.812	-9.6	99	0.00
77	T	Bromobenzene	50.000	53.787	-7.6	94	0.00
78	T	n-propylbenzene	50.000	58.471	-16.9	95	0.00
79	T	2-Chlorotoluene	50.000	53.953	-7.9	94	0.00
80	T	1,3,5-Trimethylbenzene	50.000	56.669	-13.3	94	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	61.185	-22.4	109	0.00
82	T	4-Chlorotoluene	50.000	56.390	-12.8	95	0.00
83	T	tert-Butylbenzene	50.000	55.097	-10.2	94	0.00
84	T	1,2,4-Trimethylbenzene	50.000	56.511	-13.0	94	0.00
85	T	sec-Butylbenzene	50.000	59.284	-18.6	97	0.00
86	T	p-Isopropyltoluene	50.000	59.464	-18.9	97	0.00
87	T	1,3-Dichlorobenzene	50.000	54.523	-9.0	95	0.00
88	T	1,4-Dichlorobenzene	50.000	53.992	-8.0	94	0.00
89	T	n-Butylbenzene	50.000	63.349	-26.7#	101	0.00
90	T	Hexachloroethane	50.000	58.585	-17.2	98	0.00
91	T	1,2-Dichlorobenzene	50.000	54.663	-9.3	96	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	58.578	-17.2	100	0.00
93	T	1,2,4-Trichlorobenzene	50.000	58.569	-17.1	97	0.00
94	T	Hexachlorobutadiene	50.000	61.947	-23.9	108	0.00
95	T	Naphthalene	50.000	56.574	-13.1	93	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032125\
Data File : VX045375.D
Acq On : 21 Mar 2025 10:00
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 23:09:09 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

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	58.994	-18.0	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.: Q1608 SAS No.: Q1608 SDG No.: Q1608

Instrument ID: MSVOA_X Calibration Date/Time: 03/21/2025 20:41

Lab File ID: VX045401.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	0.594		-5.56	50
Chloromethane	0.770	0.665	0.1	-13.64	50
Vinyl Chloride	0.764	0.670		-12.3	50
Bromomethane	0.300	0.299		-0.33	50
Chloroethane	0.352	0.318		-9.66	50
Trichlorofluoromethane	1.012	1.001		-1.09	50
1,1,2-Trichlorotrifluoroethane	0.581	0.641		10.33	50
1,1-Dichloroethene	0.614	0.617		0.49	50
Acetone	0.369	0.402		8.94	50
Carbon Disulfide	1.636	1.252		-23.47	50
Methyl tert-butyl Ether	2.061	2.356		14.31	50
Methyl Acetate	0.888	1.318		48.42	50
Methylene Chloride	0.731	0.756		3.42	50
trans-1,2-Dichloroethene	0.607	0.628		3.46	50
1,1-Dichloroethane	1.247	1.379	0.1	10.59	50
Cyclohexane	1.082	1.047		-3.23	50
2-Butanone	0.555	0.630		13.51	50
Carbon Tetrachloride	0.465	0.523		12.47	50
cis-1,2-Dichloroethene	0.749	0.813		8.55	50
Bromochloromethane	0.594	0.686		15.49	50
Chloroform	1.239	1.447		16.79	50
1,1,1-Trichloroethane	1.000	1.146		14.6	50
Methylcyclohexane	0.549	0.568		3.46	50
Benzene	1.448	1.560		7.74	50
1,2-Dichloroethane	0.521	0.643		23.42	50
Trichloroethene	0.340	0.363		6.76	50
1,2-Dichloropropane	0.372	0.411		10.48	50
Bromodichloromethane	0.516	0.610		18.22	50
4-Methyl-2-Pentanone	0.587	0.687		17.04	50
Toluene	0.849	0.935		10.13	50
t-1,3-Dichloropropene	0.431	0.511		18.56	50
cis-1,3-Dichloropropene	0.503	0.587		16.7	50
1,1,2-Trichloroethane	0.350	0.393		12.29	50
2-Hexanone	0.425	0.501		17.88	50
Dibromochloromethane	0.366	0.422		15.3	50
1,2-Dibromoethane	0.349	0.397		13.75	50
Tetrachloroethene	0.320	0.342		6.88	50
Chlorobenzene	1.058	1.142	0.3	7.94	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.: Q1608 SAS No.: Q1608 SDG No.: Q1608

Instrument ID: MSVOA_X Calibration Date/Time: 03/21/2025 20:41

Lab File ID: VX045401.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	2.065		12.05	50
m/p-Xylenes	0.675	0.755		11.85	50
o-Xylene	0.681	0.735		7.93	50
Styrene	1.101	1.256		14.08	50
Bromoform	0.266	0.308	0.1	15.79	50
Isopropylbenzene	3.903	4.244		8.74	50
1,1,2,2-Tetrachloroethane	1.432	1.557	0.3	8.73	50
1,3-Dichlorobenzene	1.643	1.746		6.27	50
1,4-Dichlorobenzene	1.662	1.744		4.93	50
1,2-Dichlorobenzene	1.648	1.783		8.19	50
1,2-Dibromo-3-Chloropropane	0.279	0.332		19	50
1,2,4-Trichlorobenzene	0.938	1.069		13.97	50
1,2,3-Trichlorobenzene	0.990	1.092		10.3	50
1,2-Dichloroethane-d4	0.795	0.875		10.06	50
Dibromofluoromethane	0.334	0.358		7.19	50
Toluene-d8	1.212	1.198		-1.15	50
4-Bromofluorobenzene	0.402	0.422		4.97	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\VX032125\
Data File : VX045401.D
Acq On : 21 Mar 2025 20:41
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Mar 22 02:54:13 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 :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	74853	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	134934	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	115975	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	53641	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	65462	54.980	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 109.960%			
35) Dibromofluoromethane	5.379	113	48269	53.497	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.000%			
50) Toluene-d8	8.647	98	161646	49.417	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.840%			
62) 4-Bromofluorobenzene	11.079	95	56960	52.550	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 105.100%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	44493	47.221	ug/l	96
3) Chloromethane	1.307	50	49810	43.198	ug/l	99
4) Vinyl Chloride	1.374	62	50137	43.831	ug/l	98
5) Bromomethane	1.593	94	22345	49.692	ug/l	100
6) Chloroethane	1.660	64	23804	45.116	ug/l	98
7) Trichlorofluoromethane	1.868	101	74964	49.505	ug/l	99
8) Diethyl Ether	2.136	74	28674	48.412	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.313	101	47964	55.132	ug/l	99
10) Methyl Iodide	2.441	142	59117	54.375	ug/l	94
11) Tert butyl alcohol	2.989	59	48799	216.377	ug/l	98
12) 1,1-Dichloroethene	2.307	96	46209	50.239	ug/l	95
13) Acrolein	2.239	56	65119	249.782	ug/l	99
14) Allyl chloride	2.654	41	90404	55.217	ug/l	94
15) Acrylonitrile	3.062	53	163717	270.857	ug/l	99
16) Acetone	2.386	43	150609	272.633	ug/l	94
17) Carbon Disulfide	2.502	76	93735	38.262	ug/l	98
18) Methyl Acetate	2.703	43	98631	74.217	ug/l	100
19) Methyl tert-butyl Ether	3.117	73	176330	57.141	ug/l	99
20) Methylene Chloride	2.782	84	56599	51.722	ug/l	99
21) trans-1,2-Dichloroethene	3.087	96	47043	51.770	ug/l	98
22) Diisopropyl ether	3.764	45	190414	57.185	ug/l	97
23) Vinyl Acetate	3.721	43	785465	282.670	ug/l	98
24) 1,1-Dichloroethane	3.599	63	103230	55.318	ug/l	99
25) 2-Butanone	4.562	43	235908	283.702	ug/l	99
26) 2,2-Dichloropropane	4.471	77	60745	69.398	ug/l	97
27) cis-1,2-Dichloroethene	4.483	96	60830	54.229	ug/l	94
28) Bromochloromethane	4.891	49	51351	57.732	ug/l	99
29) Tetrahydrofuran	5.007	42	150362	269.265	ug/l	100
30) Chloroform	5.087	83	108341	58.430	ug/l	97
31) Cyclohexane	5.465	56	78351	48.368	ug/l	98
32) 1,1,1-Trichloroethane	5.373	97	85762	57.268	ug/l	97
36) 1,1-Dichloropropene	5.684	75	66133	53.446	ug/l	99
37) Ethyl Acetate	4.715	43	87199	54.690	ug/l	99
38) Carbon Tetrachloride	5.672	117	70522	56.138	ug/l	97
39) Methylcyclohexane	7.373	83	76690	51.725	ug/l	96
40) Benzene	6.031	78	210474	53.866	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032125\
Data File : VX045401.D
Acq On : 21 Mar 2025 20:41
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Mar 22 02:54:13 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 :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.922	41	51712	59.981	ug/l		98
42) 1,2-Dichloroethane	6.080	62	86759	61.661	ug/l		97
43) Isopropyl Acetate	6.342	43	135762	57.582	ug/l		98
44) Trichloroethene	7.123	130	49047	53.459	ug/l		96
45) 1,2-Dichloropropane	7.428	63	55501	55.246	ug/l		96
46) Dibromomethane	7.580	93	41450	58.374	ug/l		96
47) Bromodichloromethane	7.818	83	82269	59.068	ug/l		99
48) Methyl methacrylate	7.690	41	69727	58.949	ug/l		94
49) 1,4-Dioxane	7.665	88	24595	985.741	ug/l		95
51) 4-Methyl-2-Pentanone	8.574	43	463190	292.590	ug/l		99
52) Toluene	8.714	92	126198	55.048	ug/l		100
53) t-1,3-Dichloropropene	8.976	75	68896	59.170	ug/l		94
54) cis-1,3-Dichloropropene	8.360	75	79164	58.304	ug/l	#	88
55) 1,1,2-Trichloroethane	9.147	97	52975	56.131	ug/l		99
56) Ethyl methacrylate	9.116	69	83667	58.321	ug/l		93
57) 1,3-Dichloropropane	9.305	76	91764	56.184	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.238	63	229112	327.394	ug/l		98
59) 2-Hexanone	9.427	43	338175	294.834	ug/l		98
60) Dibromochloromethane	9.519	129	57002	57.765	ug/l		99
61) 1,2-Dibromoethane	9.604	107	53600	56.890	ug/l		98
64) Tetrachloroethene	9.269	164	39719	53.474	ug/l		96
65) Chlorobenzene	10.080	112	132438	53.968	ug/l		98
66) 1,1,1,2-Tetrachloroethane	10.159	131	45778	56.016	ug/l		99
67) Ethyl Benzene	10.189	91	239507	56.012	ug/l		98
68) m/p-Xylenes	10.299	106	175085	111.853	ug/l		96
69) o-Xylene	10.640	106	85276	54.016	ug/l		94
70) Styrene	10.653	104	145711	57.041	ug/l		97
71) Bromoform	10.799	173	35721	57.963	ug/l	#	97
73) Isopropylbenzene	10.957	105	227633	54.369	ug/l		99
74) N-amyl acetate	10.842	43	110444	56.217	ug/l		98
75) 1,1,2,2-Tetrachloroethane	11.213	83	83518	54.359	ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	68356m	54.751	ug/l		
77) Bromobenzene	11.195	156	51333	51.964	ug/l		96
78) n-propylbenzene	11.299	91	262384	55.477	ug/l		98
79) 2-Chlorotoluene	11.360	91	160491	53.282	ug/l		98
80) 1,3,5-Trimethylbenzene	11.451	105	183136	54.096	ug/l		98
81) trans-1,4-Dichloro-2-b...	11.018	75	18639	51.090	ug/l	#	83
82) 4-Chlorotoluene	11.451	91	179417	54.654	ug/l		99
83) tert-Butylbenzene	11.713	119	186344	53.572	ug/l		96
84) 1,2,4-Trimethylbenzene	11.750	105	187934	55.172	ug/l		98
85) sec-Butylbenzene	11.890	105	230317	55.276	ug/l		100
86) p-Isopropyltoluene	12.006	119	188467	55.971	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	93653	53.143	ug/l		99
88) 1,4-Dichlorobenzene	12.036	146	93536	52.463	ug/l		99
89) n-Butylbenzene	12.329	91	166636	57.458	ug/l		99
90) Hexachloroethane	12.536	117	32352	53.118	ug/l		98
91) 1,2-Dichlorobenzene	12.335	146	95638	54.100	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	17831	59.571	ug/l		92
93) 1,2,4-Trichlorobenzene	13.585	180	57341	56.965	ug/l		98
94) Hexachlorobutadiene	13.725	225	22756	55.141	ug/l		98
95) Naphthalene	13.774	128	219620	56.787	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	58600	55.183	ug/l		98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032125\
Data File : VX045401.D
Acq On : 21 Mar 2025 20:41
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Mar 22 02:54:13 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 :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

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

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

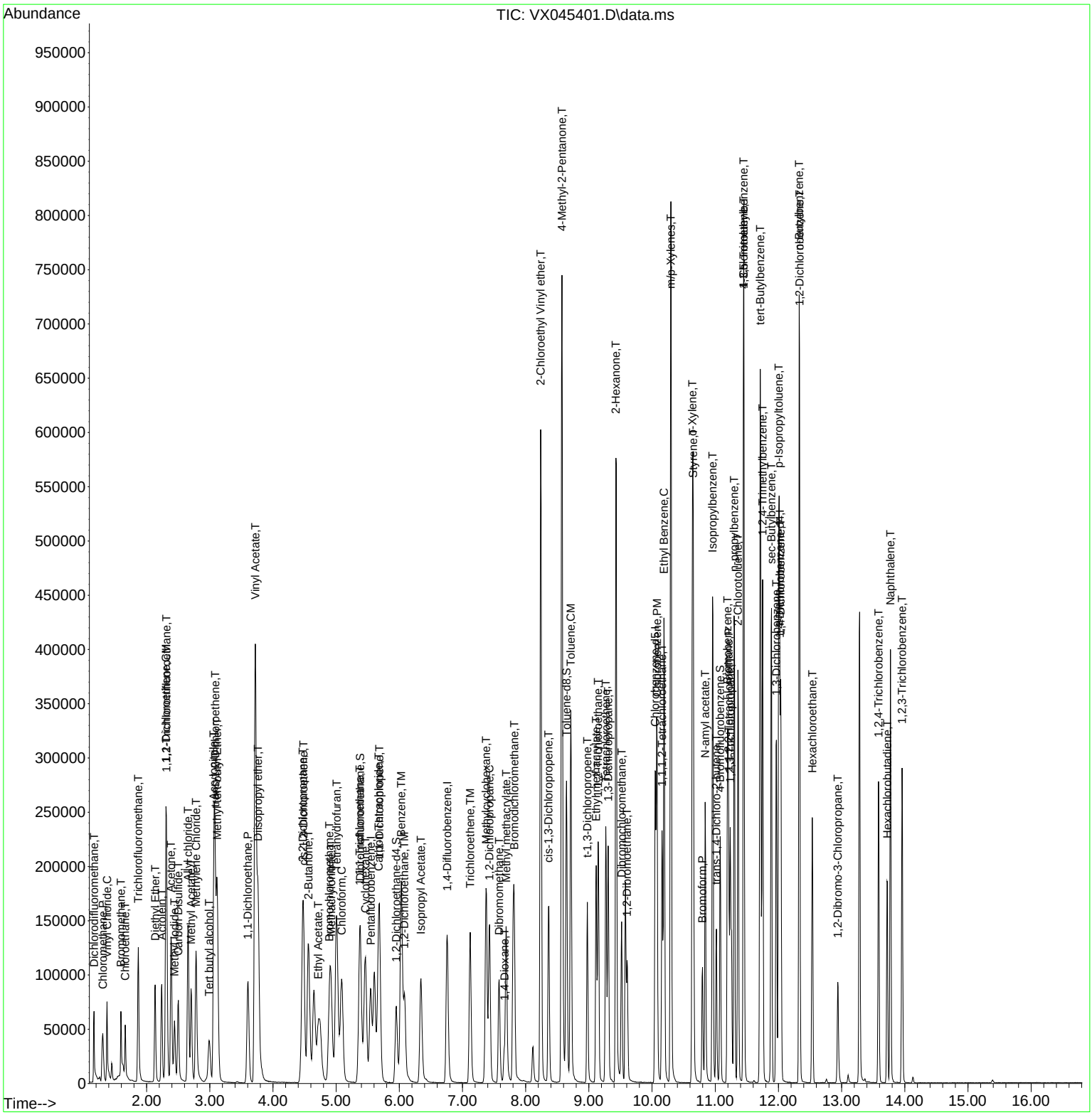
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Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 29 Sample Multiplier: 1

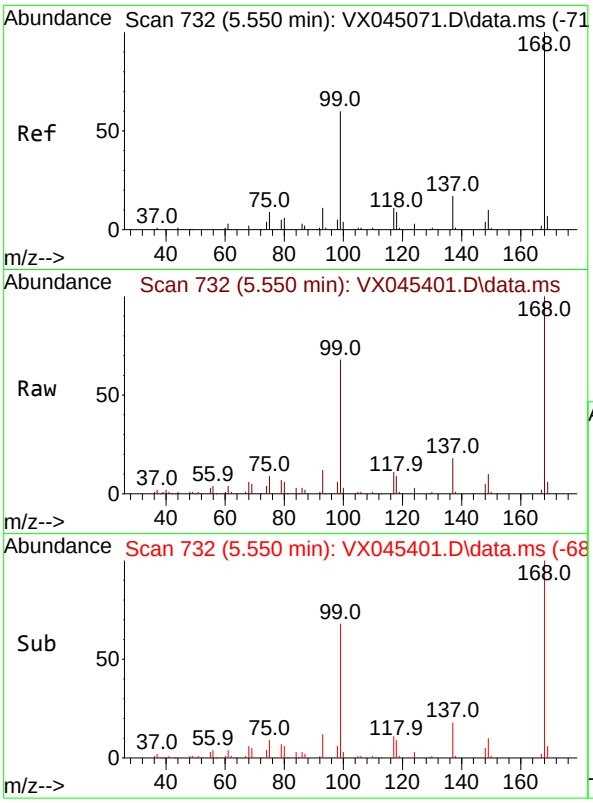
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Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

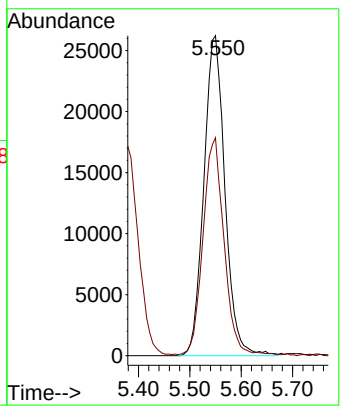




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion:168 Resp: 7485

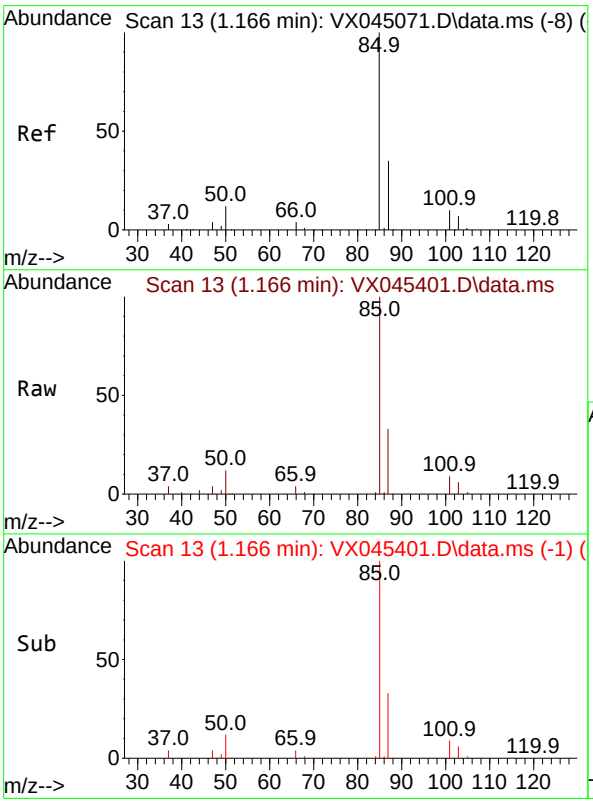
Ion	Ratio	Lower	Upper
168	100		
99	67.7	48.2	72.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

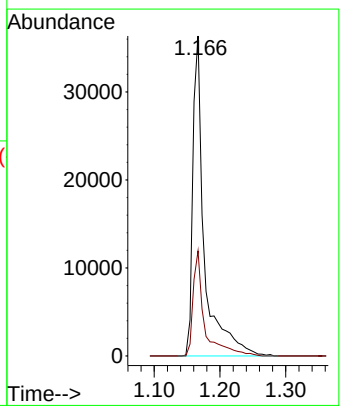
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

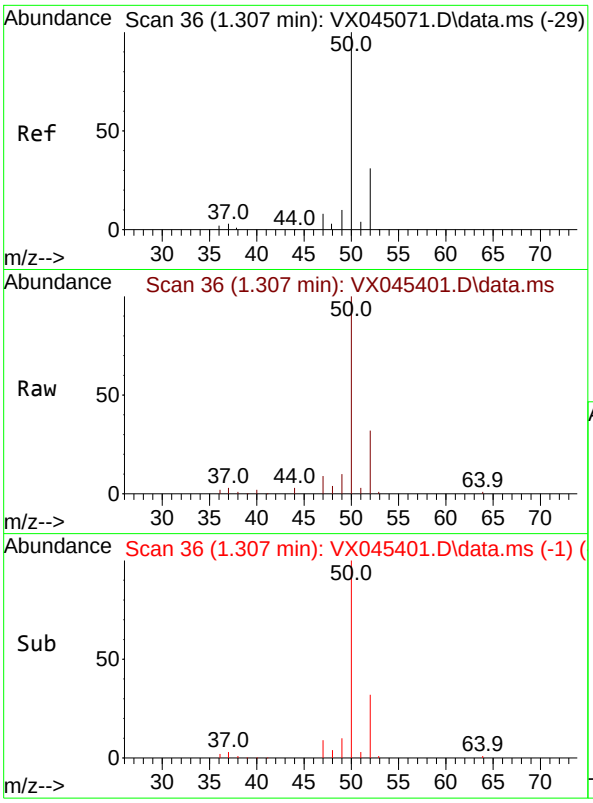


#2
Dichlorodifluoromethane
Concen: 47.221 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion: 85 Resp: 44493

Ion	Ratio	Lower	Upper
85	100		
87	32.9	17.4	52.3

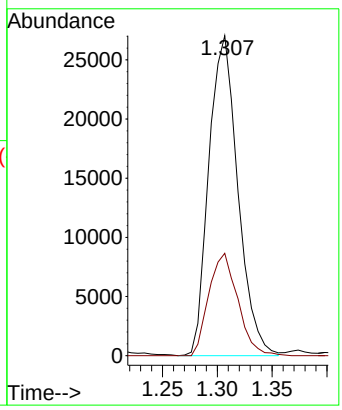




#3
Chloromethane
Concen: 43.198 ug/l
RT: 1.307 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion: 50 Resp: 4981

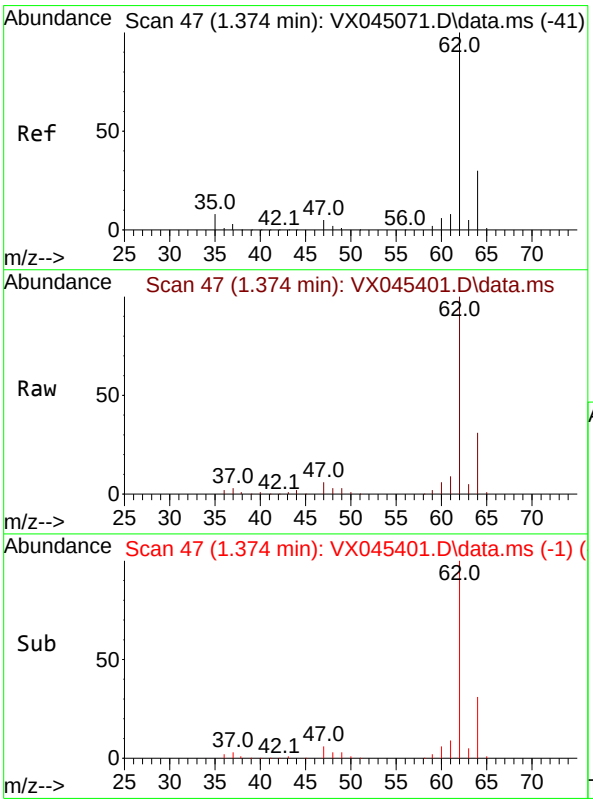
Ion	Ratio	Lower	Upper
50	100		
52	32.0	25.0	37.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

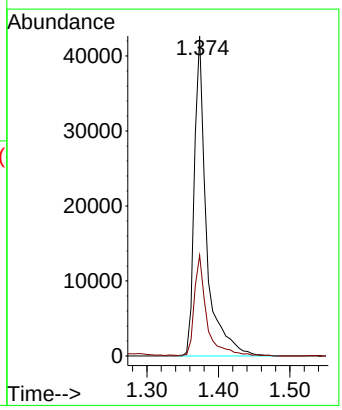
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

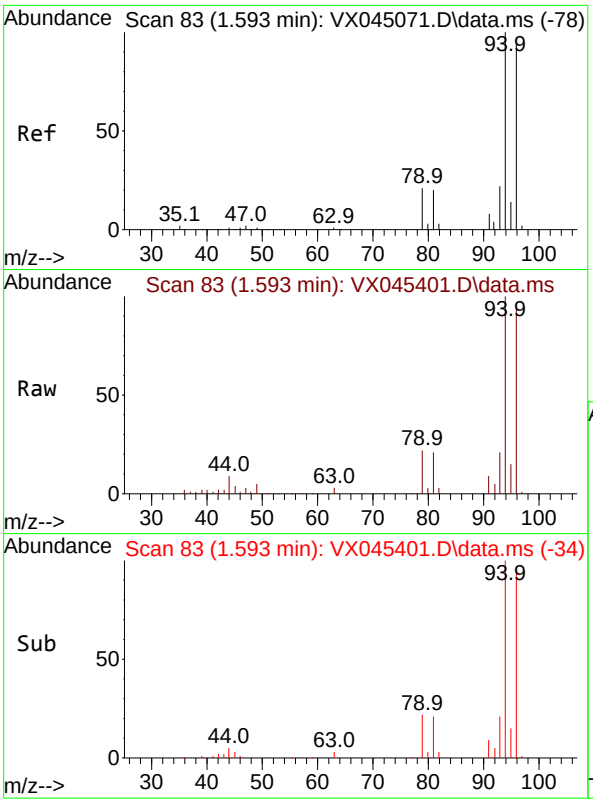


#4
Vinyl Chloride
Concen: 43.831 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion: 62 Resp: 50137

Ion	Ratio	Lower	Upper
62	100		
64	31.4	24.3	36.5

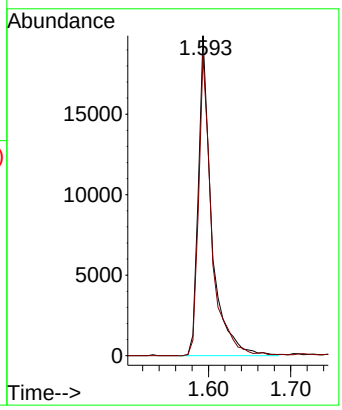




#5
Bromomethane
Concen: 49.692 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion: 94 Resp: 2234

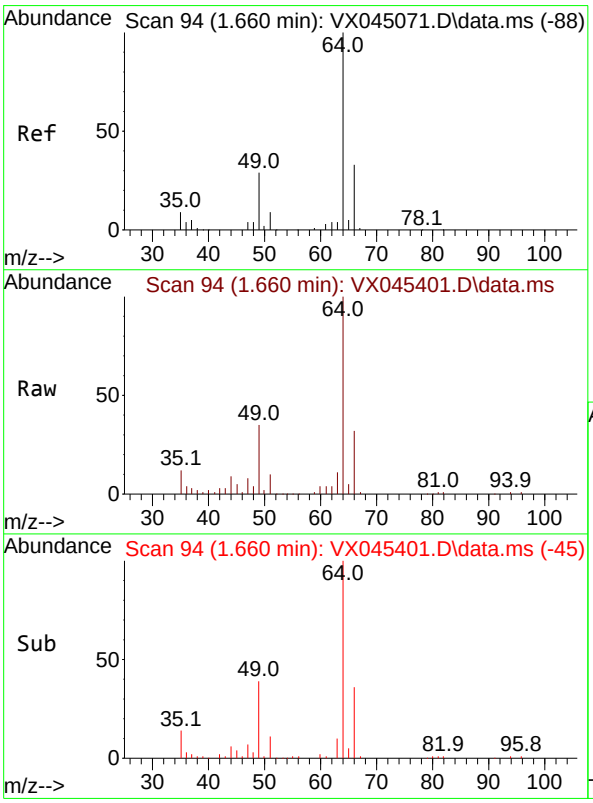
Ion	Ratio	Lower	Upper
94	100		
96	93.9	75.0	112.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

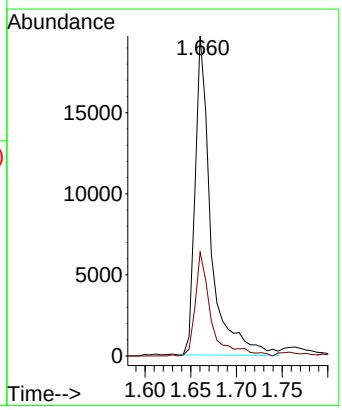
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

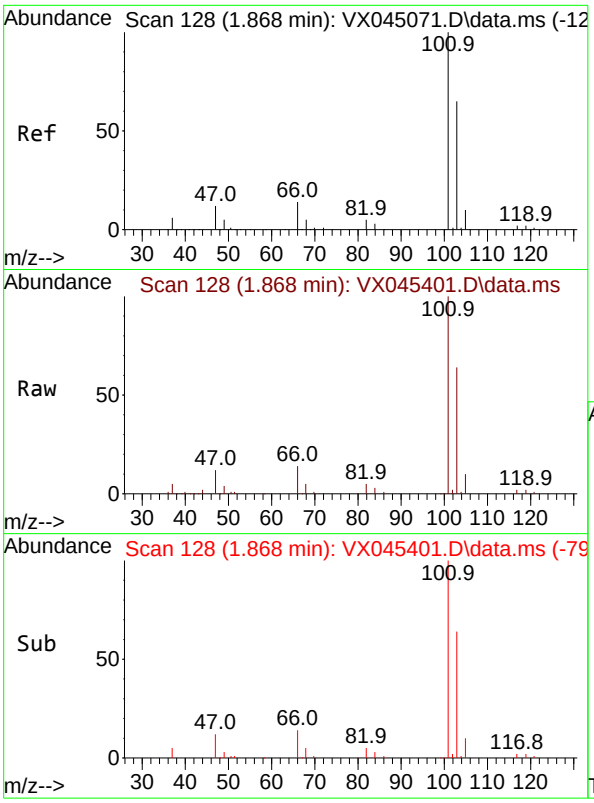


#6
Chloroethane
Concen: 45.116 ug/l
RT: 1.660 min Scan# 94
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion: 64 Resp: 23804

Ion	Ratio	Lower	Upper
64	100		
66	32.5	26.7	40.1

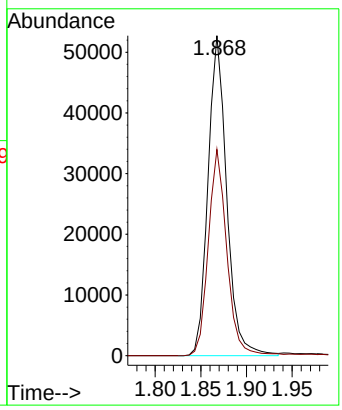




#7
Trichlorofluoromethane
Concen: 49.505 ug/l
RT: 1.868 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion:101 Resp: 7496

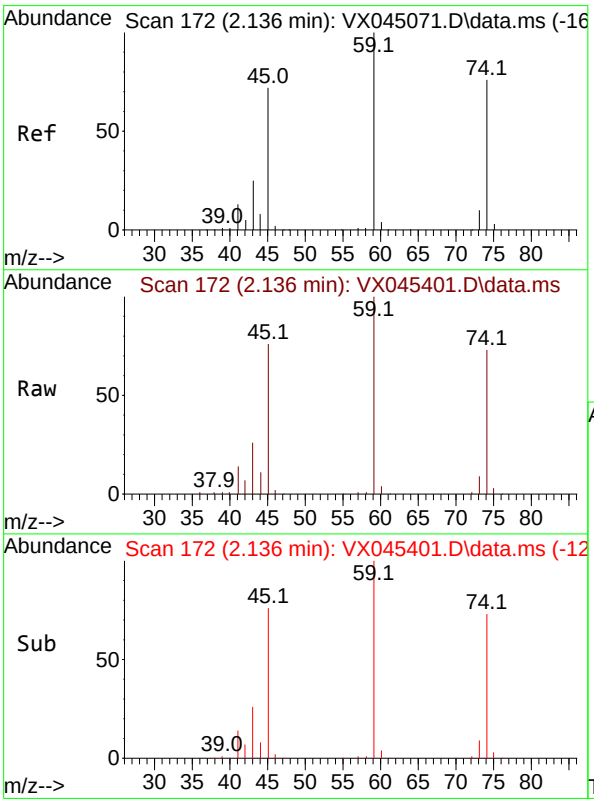
Ion	Ratio	Lower	Upper
101	100		
103	64.5	52.1	78.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

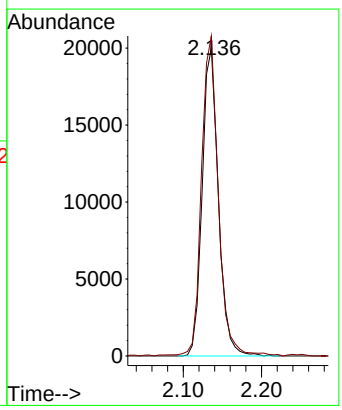
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

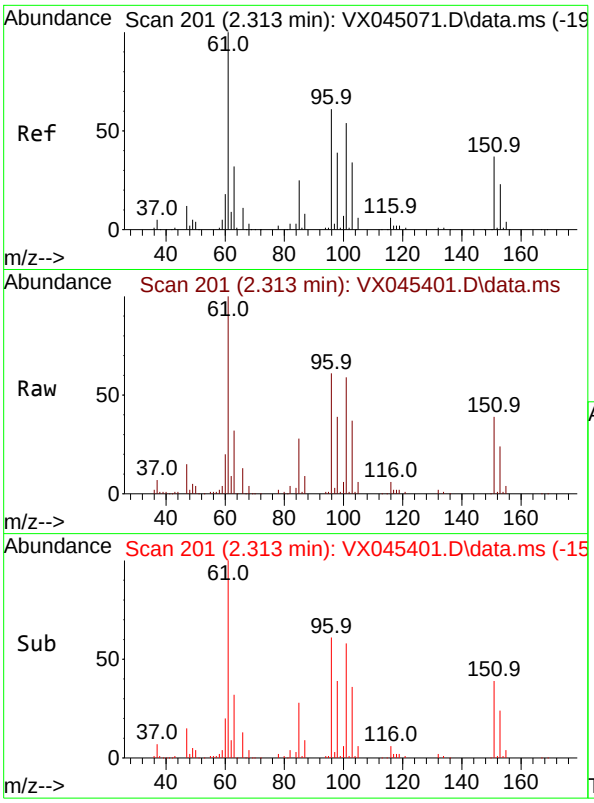


#8
Diethyl Ether
Concen: 48.412 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion: 74 Resp: 28674

Ion	Ratio	Lower	Upper
74	100		
45	108.2	51.5	154.5





#9
1,1,2-Trichlorotrifluoroethane
Concen: 55.132 ug/l
RT: 2.313 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

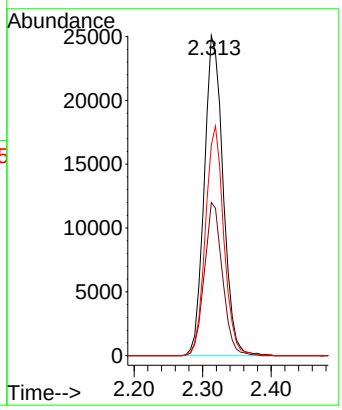
Tgt Ion:101 Resp: 4796

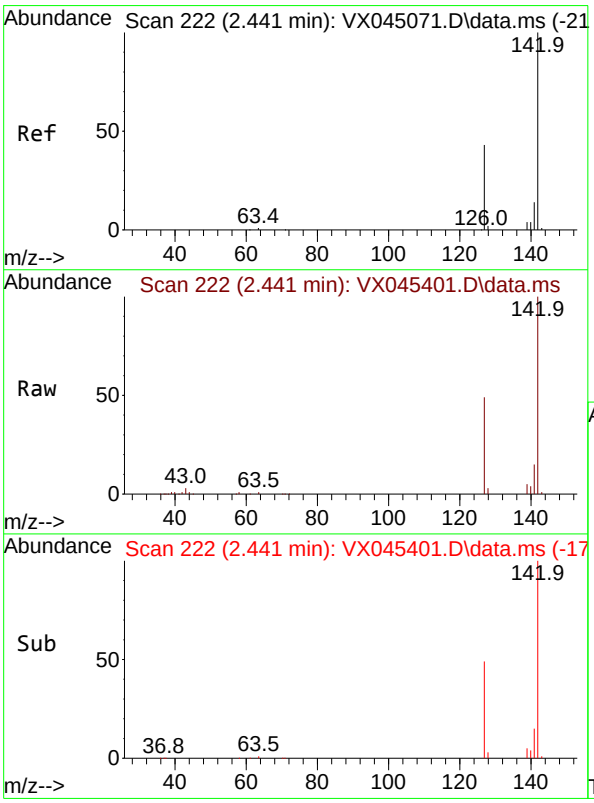
Ion	Ratio	Lower	Upper
101	100		
85	46.1	36.2	54.4
151	70.1	56.4	84.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

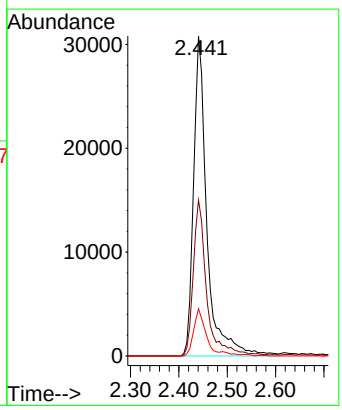


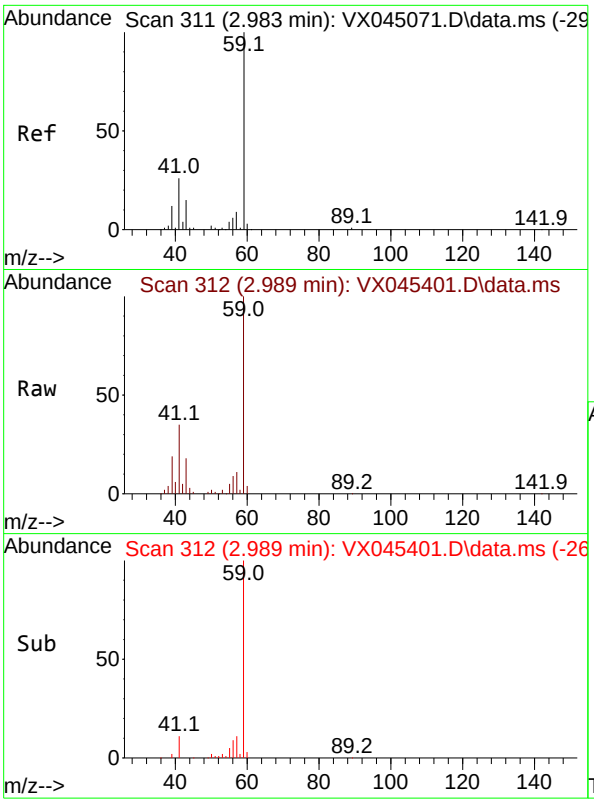


#10
Methyl Iodide
Concen: 54.375 ug/l
RT: 2.441 min Scan# 222
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion:142 Resp: 59117

Ion	Ratio	Lower	Upper
142	100		
127	49.0	35.4	53.2
141	14.1	11.6	17.4

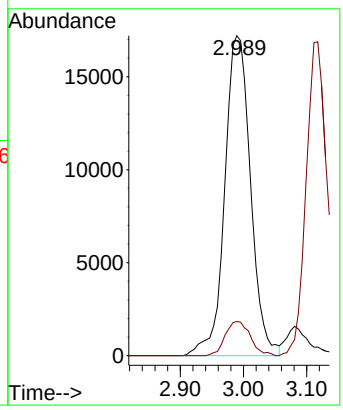




#11
Tert butyl alcohol
Concen: 216.377 ug/l
RT: 2.989 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion: 59 Resp: 4879

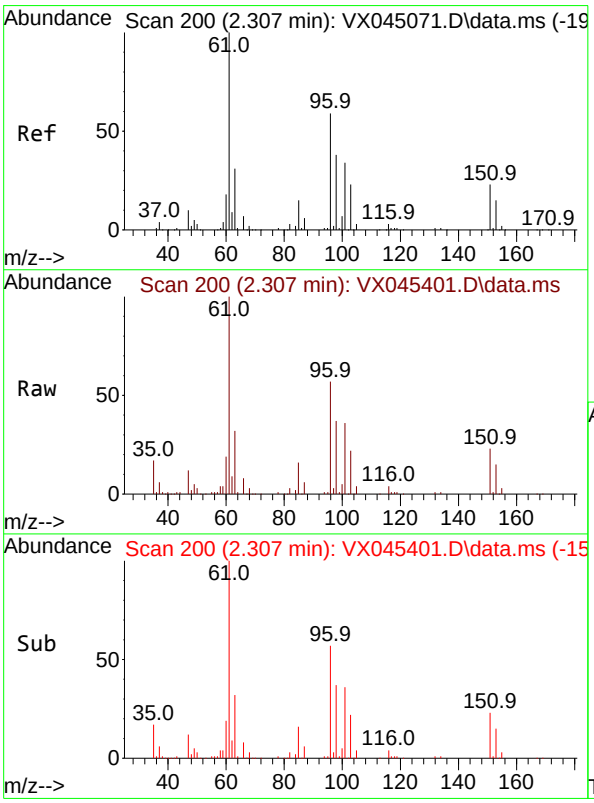
Ion	Ratio	Lower	Upper
59	100		
57	10.4	7.8	11.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

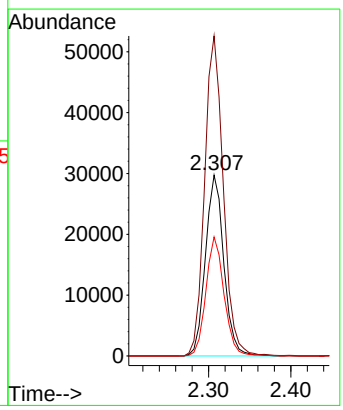
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

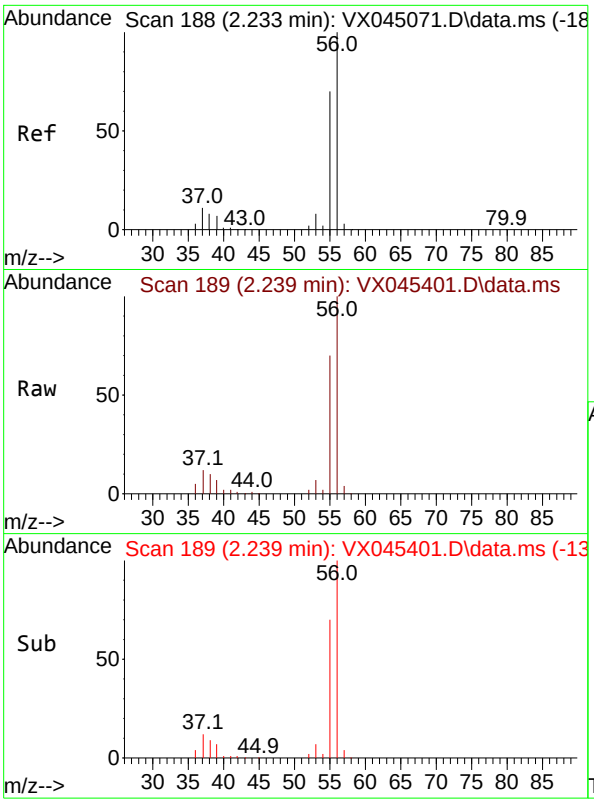


#12
1,1-Dichloroethene
Concen: 50.239 ug/l
RT: 2.307 min Scan# 200
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion: 96 Resp: 46209

Ion	Ratio	Lower	Upper
96	100		
61	177.0	134.6	202.0
98	65.8	51.0	76.6

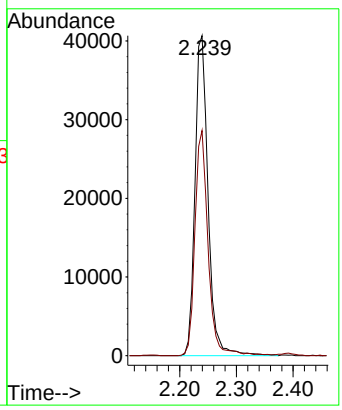




#13
Acrolein
Concen: 249.782 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion: 56 Resp: 6511

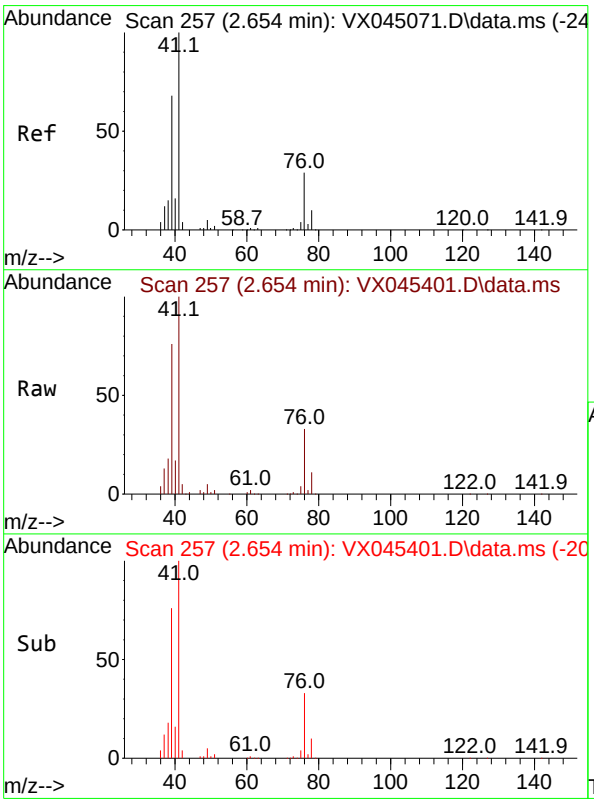
Ion	Ratio	Lower	Upper
56	100		
55	70.9	56.2	84.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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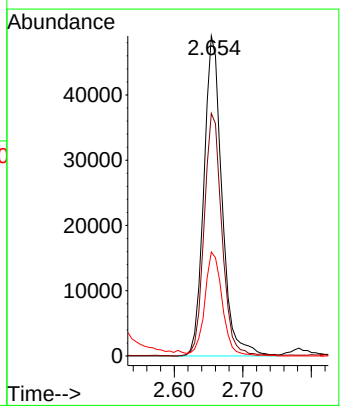
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

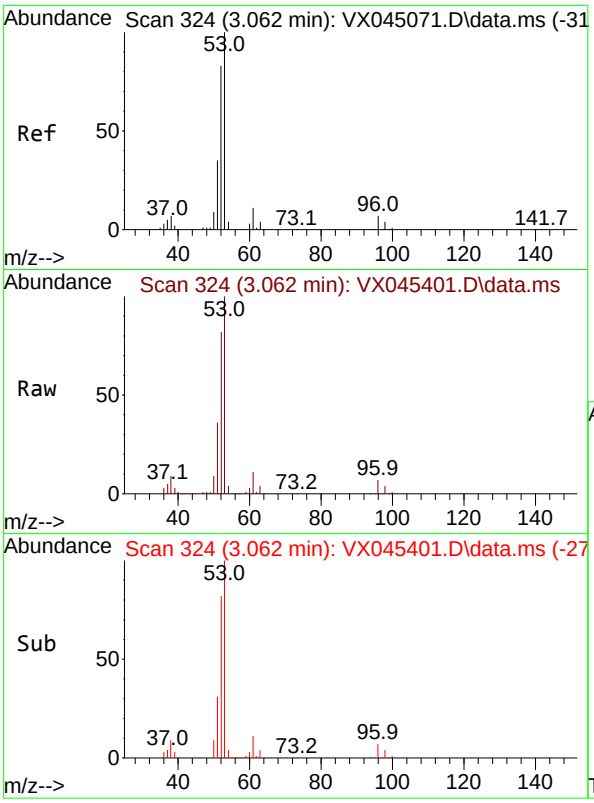


#14
Allyl chloride
Concen: 55.217 ug/l
RT: 2.654 min Scan# 257
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion: 41 Resp: 90404

Ion	Ratio	Lower	Upper
41	100		
39	74.4	53.8	80.8
76	31.6	25.2	37.8





#15
Acrylonitrile
Concen: 270.857 ug/l
RT: 3.062 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

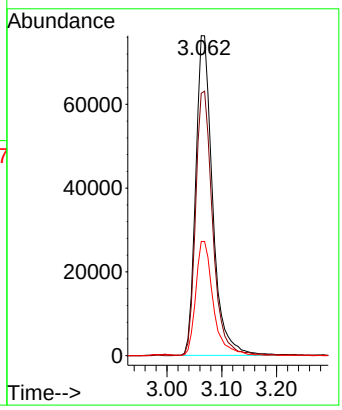
Tgt Ion: 53 Resp: 16371

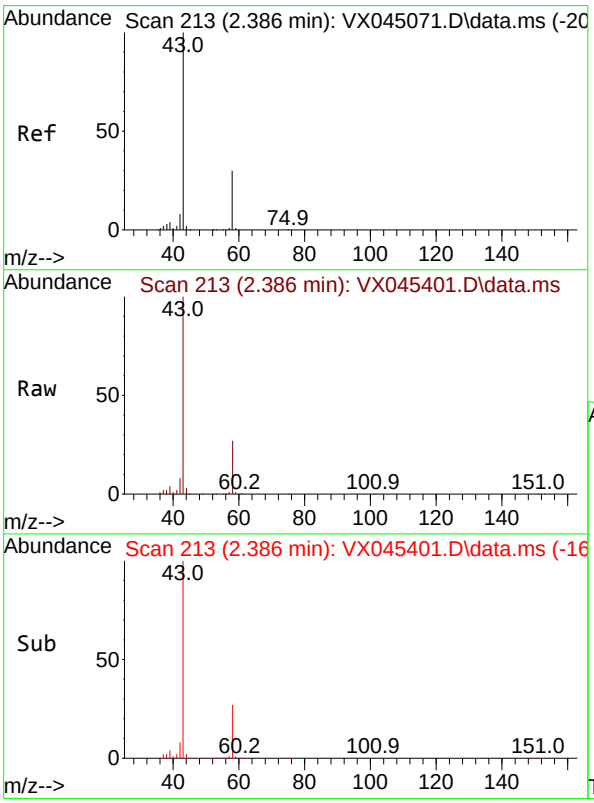
Ion	Ratio	Lower	Upper
53	100		
52	84.0	66.2	99.2
51	36.7	29.0	43.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

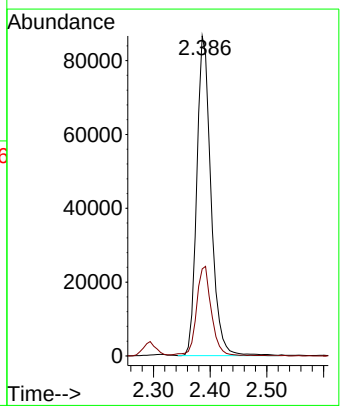


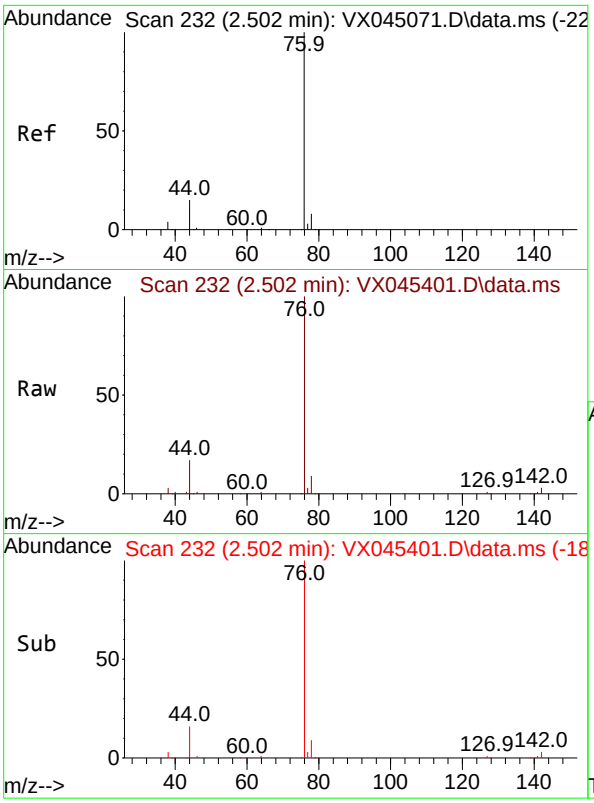


#16
Acetone
Concen: 272.633 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion: 43 Resp: 150609

Ion	Ratio	Lower	Upper
43	100		
58	27.1	24.2	36.4

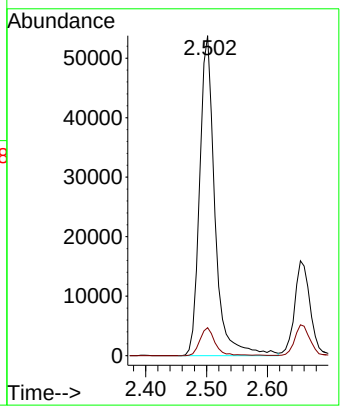




#17
Carbon Disulfide
Concen: 38.262 ug/l
RT: 2.502 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion: 76 Resp: 9373

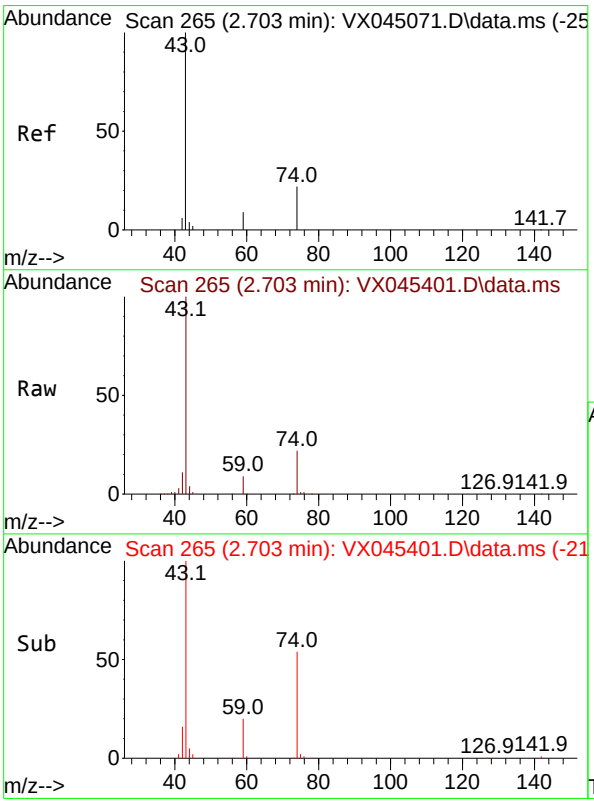
Ion	Ratio	Lower	Upper
76	100		
78	8.7	6.6	9.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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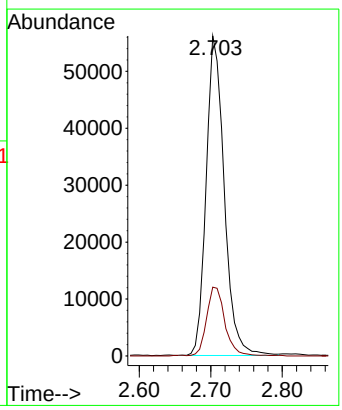
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

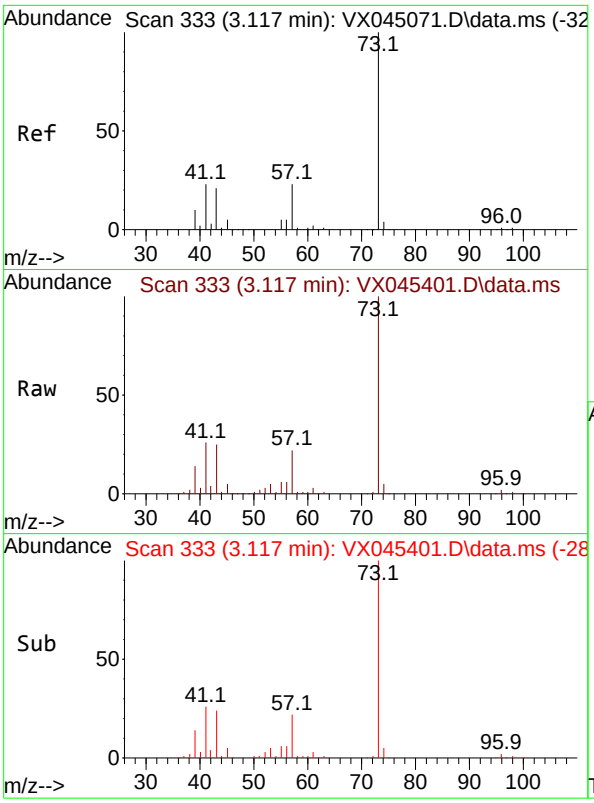


#18
Methyl Acetate
Concen: 74.217 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion: 43 Resp: 98631

Ion	Ratio	Lower	Upper
43	100		
74	21.9	17.4	26.2

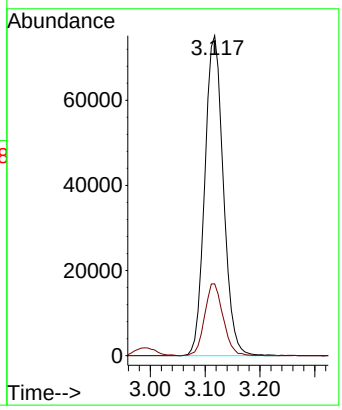




#19
Methyl tert-butyl Ether
Concen: 57.141 ug/l
RT: 3.117 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion: 73 Resp: 17633

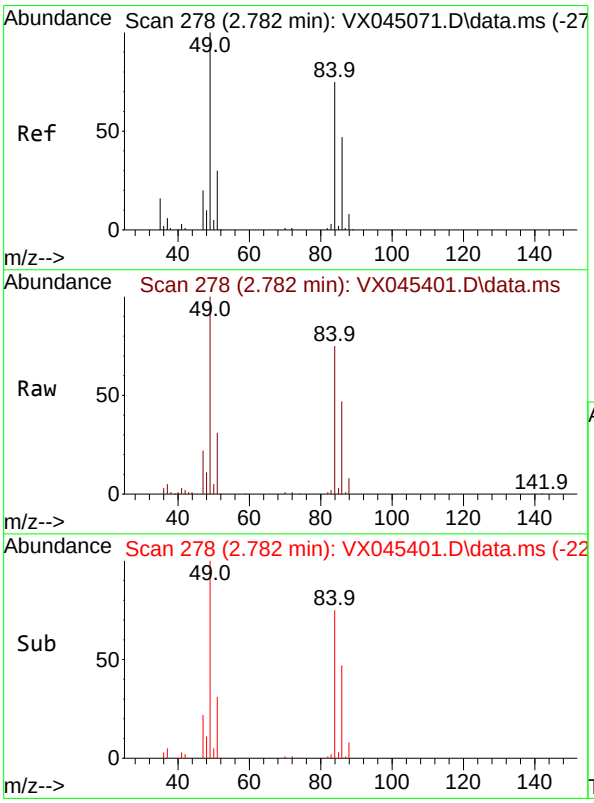
Ion	Ratio	Lower	Upper
73	100		
57	22.5	18.5	27.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

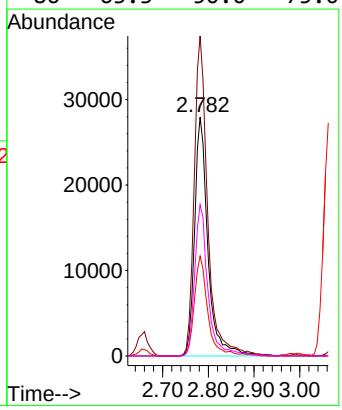
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

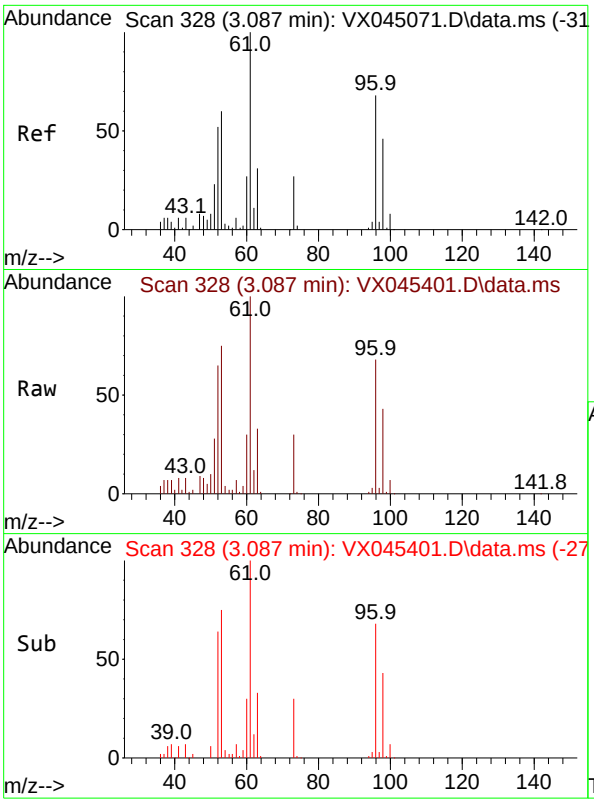


#20
Methylene Chloride
Concen: 51.722 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion: 84 Resp: 56599

Ion	Ratio	Lower	Upper
84	100		
49	133.9	106.5	159.7
51	41.8	32.1	48.1
86	63.3	50.0	75.0





#21
trans-1,2-Dichloroethene
Concen: 51.770 ug/l
RT: 3.087 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

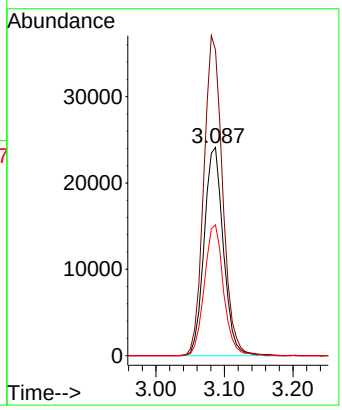
Tgt Ion: 96 Resp: 4704

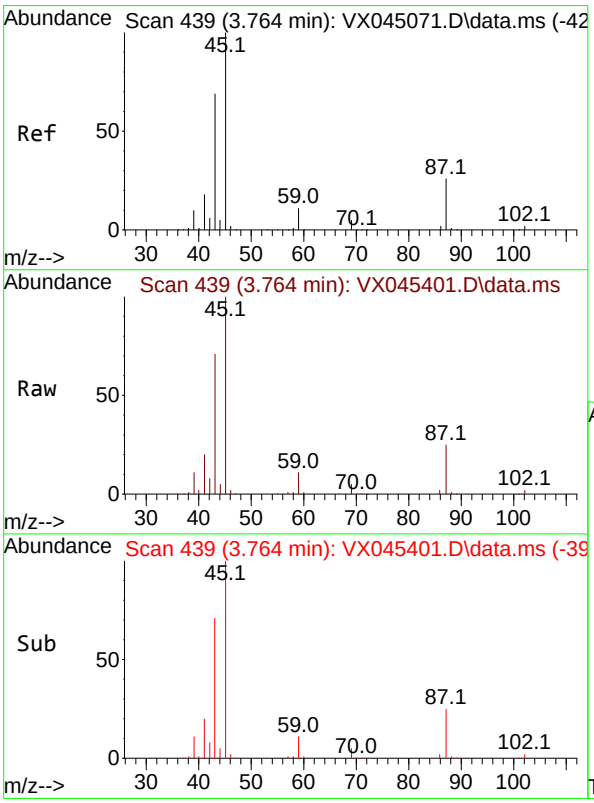
Ion	Ratio	Lower	Upper
96	100		
61	146.8	117.0	175.4
98	62.8	53.4	80.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

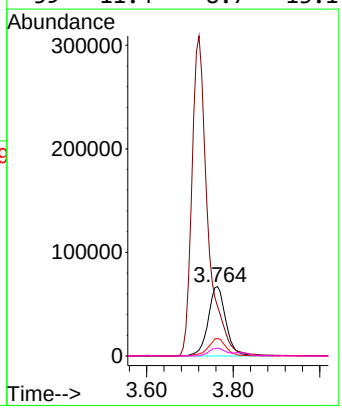


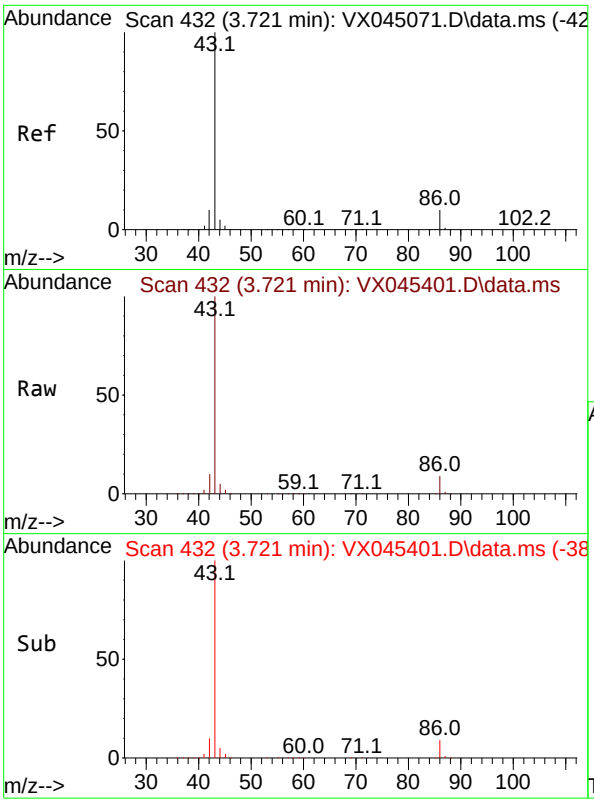


#22
Diisopropyl ether
Concen: 57.185 ug/l
RT: 3.764 min Scan# 439
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion: 45 Resp: 190414

Ion	Ratio	Lower	Upper
45	100		
43	71.1	54.9	82.3
87	25.0	21.0	31.4
59	11.4	8.7	13.1

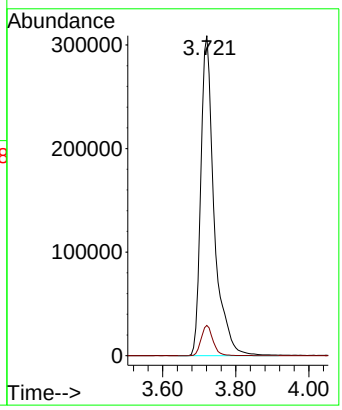




#23
Vinyl Acetate
Concen: 282.670 ug/l
RT: 3.721 min Scan# 4
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion: 43 Resp: 78546

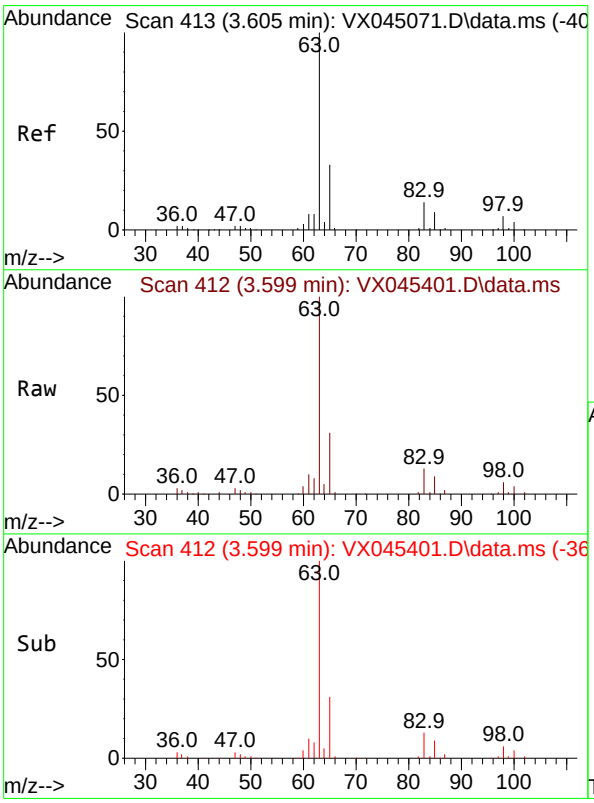
Ion	Ratio	Lower	Upper
43	100		
86	9.5	8.1	12.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

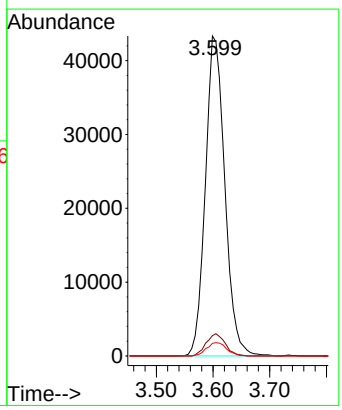
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

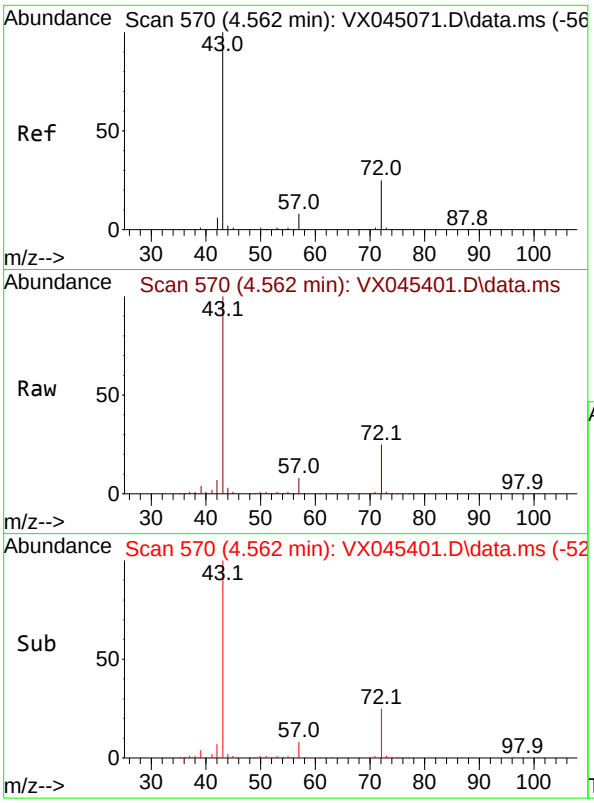


#24
1,1-Dichloroethane
Concen: 55.318 ug/l
RT: 3.599 min Scan# 412
Delta R.T. -0.006 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion: 63 Resp: 103230

Ion	Ratio	Lower	Upper
63	100		
98	6.4	3.4	10.2
100	4.0	2.1	6.5





#25
2-Butanone
Concen: 283.702 ug/l
RT: 4.562 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

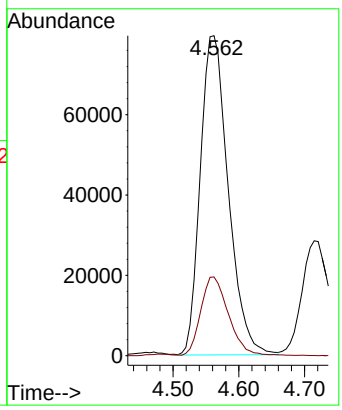
Tgt Ion: 43 Resp: 23590

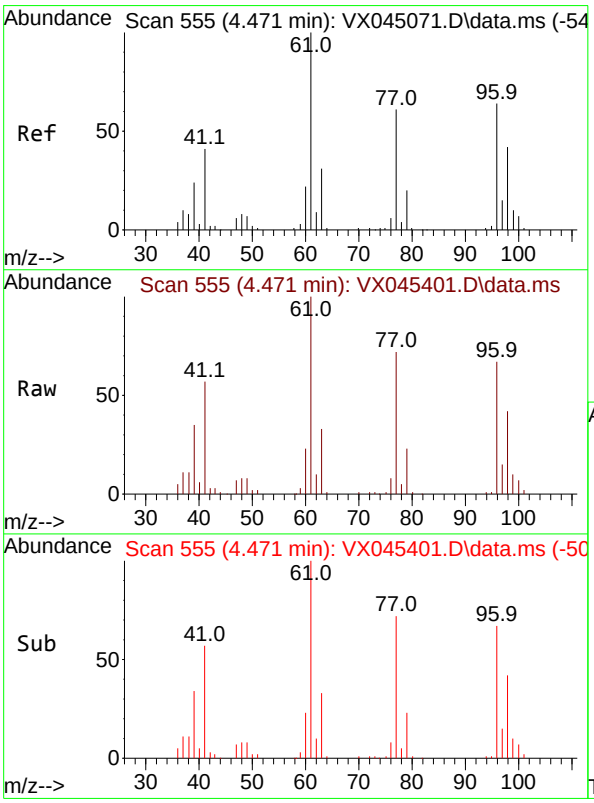
Ion	Ratio	Lower	Upper
43	100		
72	24.5	20.0	30.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

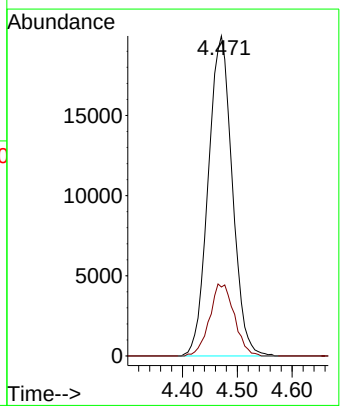


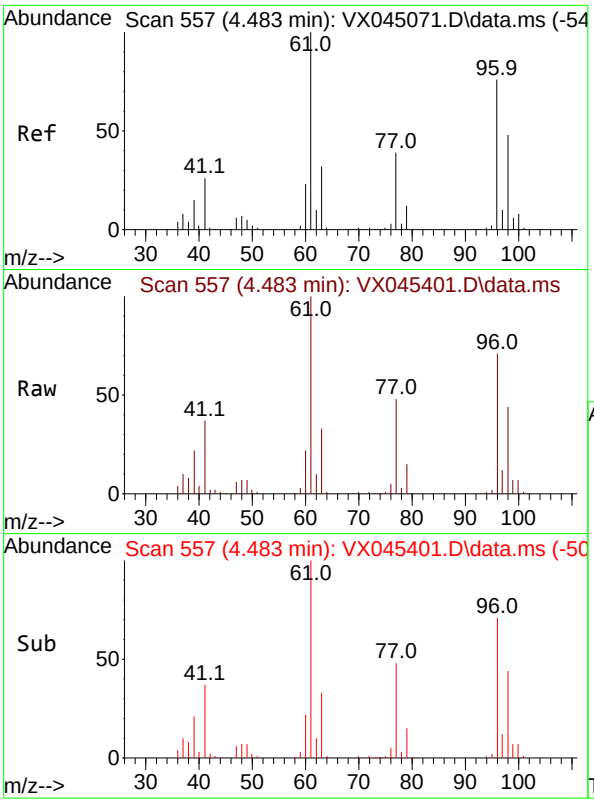


#26
2,2-Dichloropropane
Concen: 69.398 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion: 77 Resp: 60745

Ion	Ratio	Lower	Upper
77	100		
97	23.2	12.4	37.0

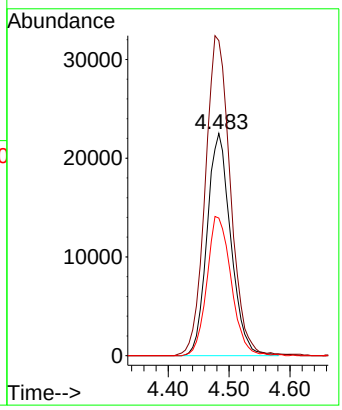




#27
cis-1,2-Dichloroethene
Concen: 54.229 ug/l
RT: 4.483 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion: 96 Resp: 6083

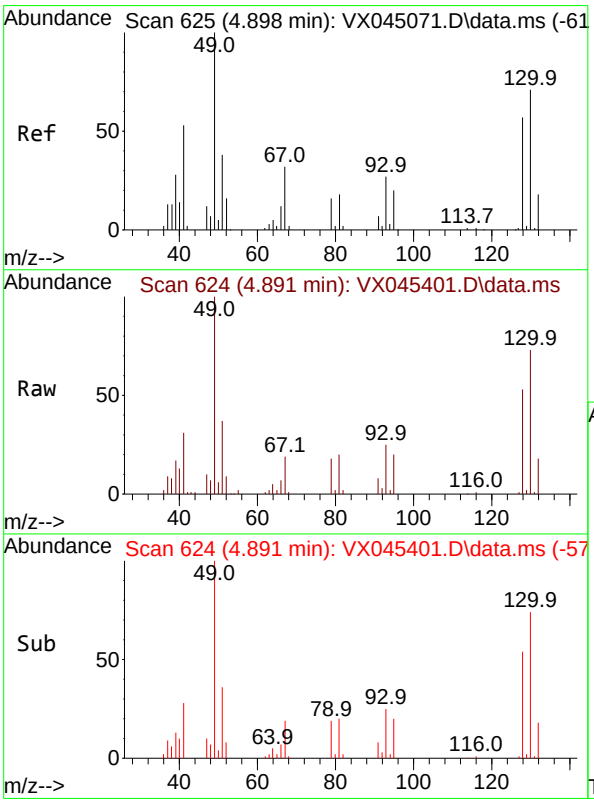
Ion	Ratio	Lower	Upper
96	100		
61	152.5	0.0	283.2
98	64.3	0.0	128.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

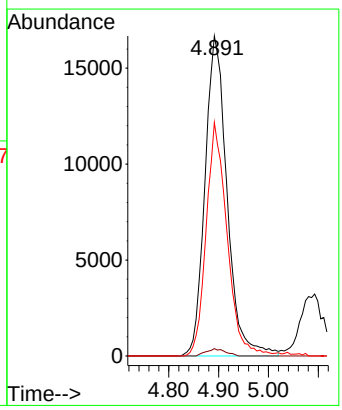
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

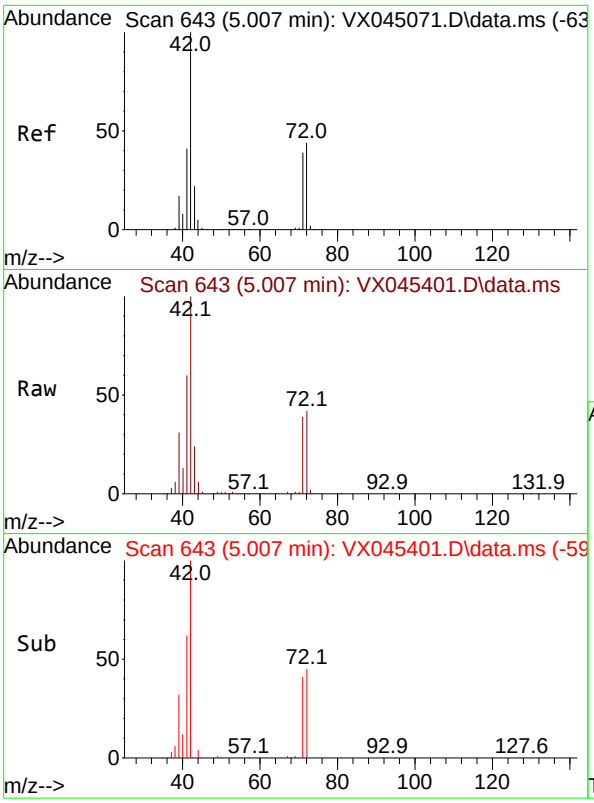


#28
Bromochloromethane
Concen: 57.732 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion: 49 Resp: 51351

Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	3.4
130	69.3	56.1	84.1

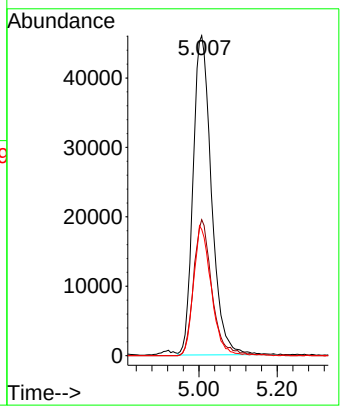




#29
Tetrahydrofuran
Concen: 269.265 ug/l
RT: 5.007 min Scan# 64
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion: 42 Resp: 15036

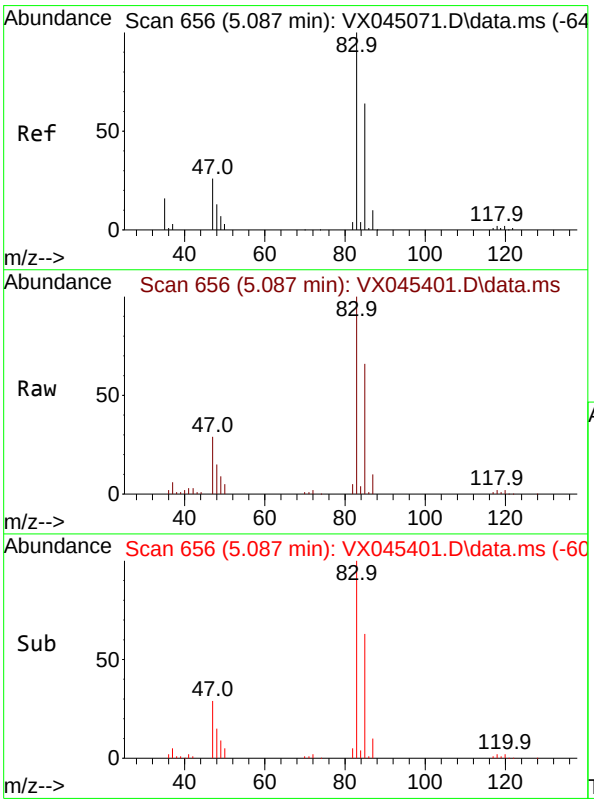
Ion	Ratio	Lower	Upper
42	100		
72	42.6	34.1	51.1
71	39.1	31.4	47.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

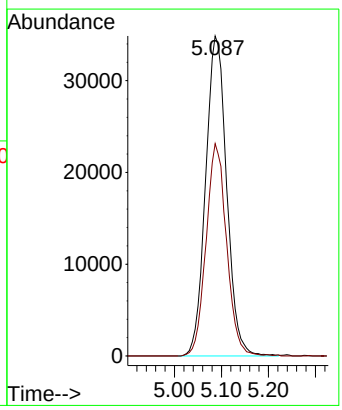
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

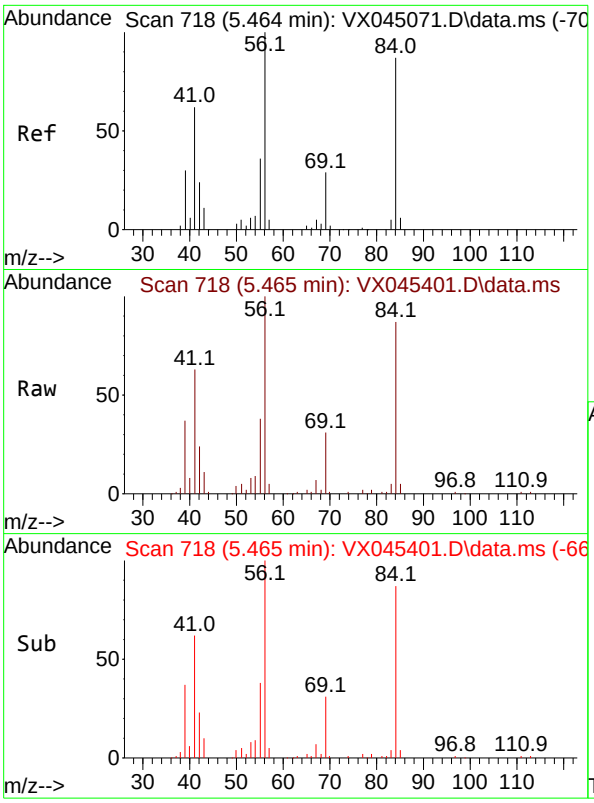


#30
Chloroform
Concen: 58.430 ug/l
RT: 5.087 min Scan# 656
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion: 83 Resp: 108341

Ion	Ratio	Lower	Upper
83	100		
85	66.4	51.4	77.2

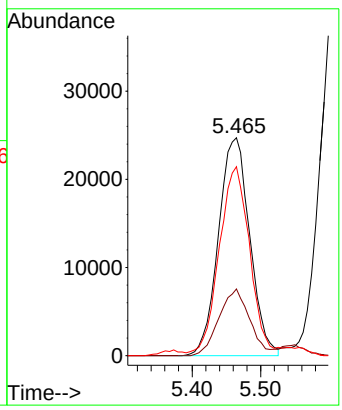




#31
Cyclohexane
Concen: 48.368 ug/l
RT: 5.465 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion: 56 Resp: 7835

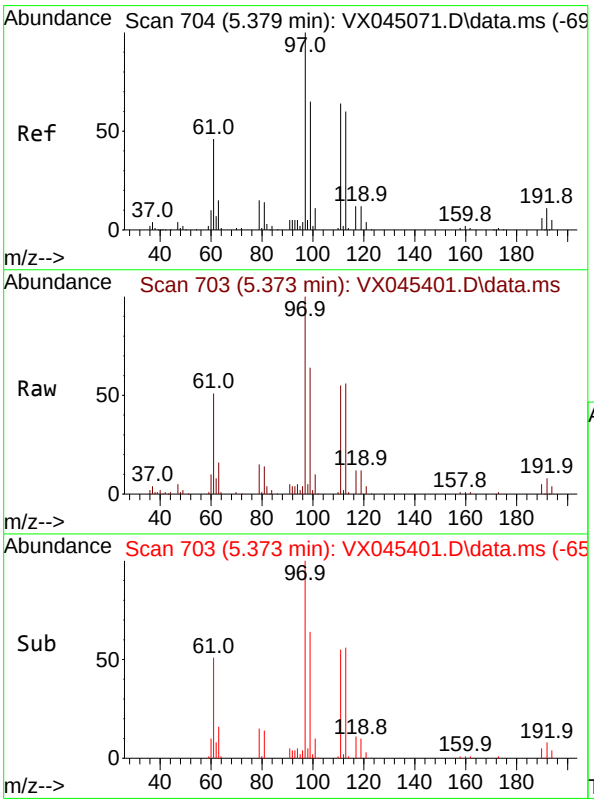
Ion	Ratio	Lower	Upper
56	100		
69	30.6	23.4	35.2
84	85.0	69.4	104.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

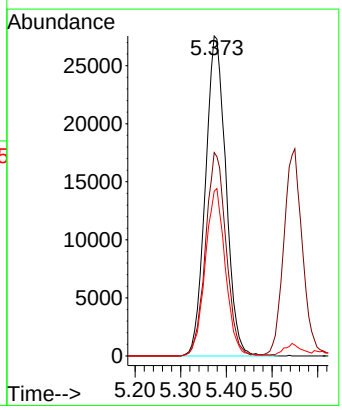
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

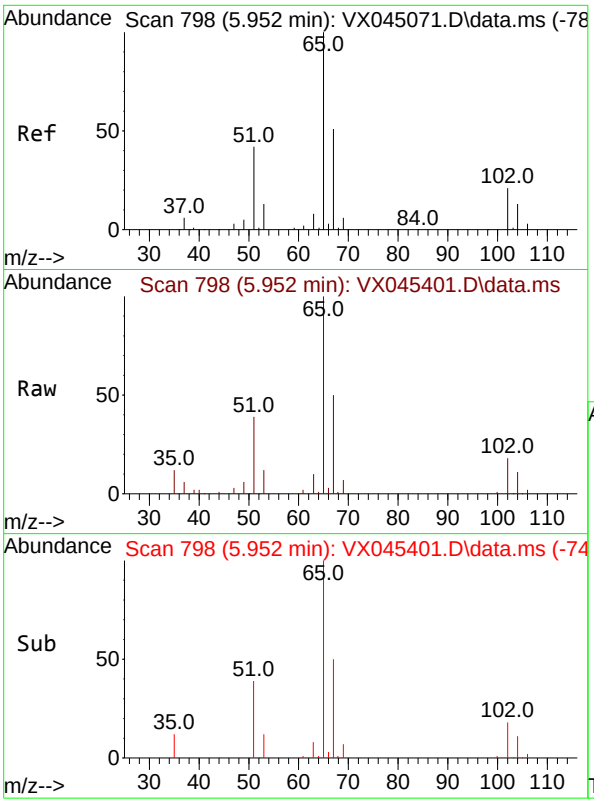


#32
1,1,1-Trichloroethane
Concen: 57.268 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.006 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion: 97 Resp: 85762

Ion	Ratio	Lower	Upper
97	100		
99	63.7	51.6	77.4
61	51.4	38.4	57.6

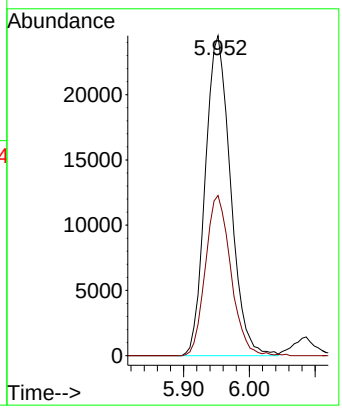




#33
1,2-Dichloroethane-d4
Concen: 54.980 ug/l
RT: 5.952 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion: 65 Resp: 6546

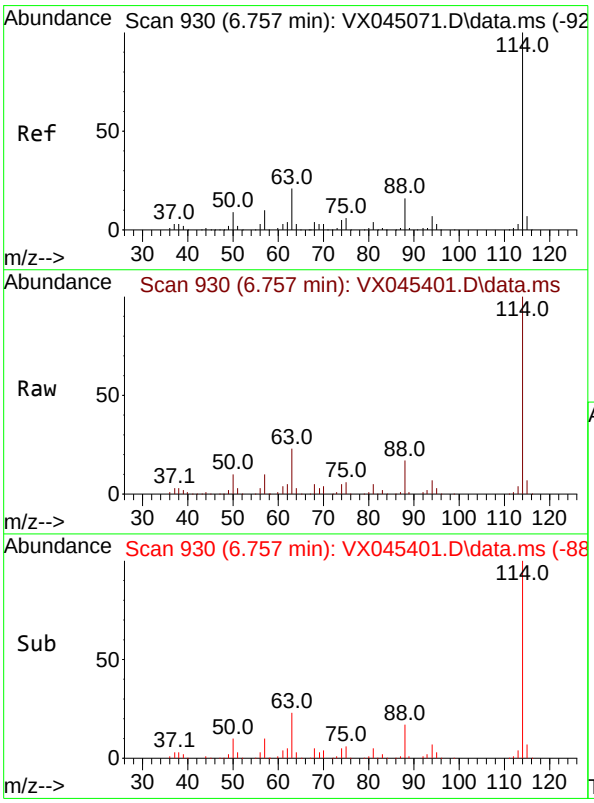
Ion	Ratio	Lower	Upper
65	100		
67	50.3	0.0	106.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

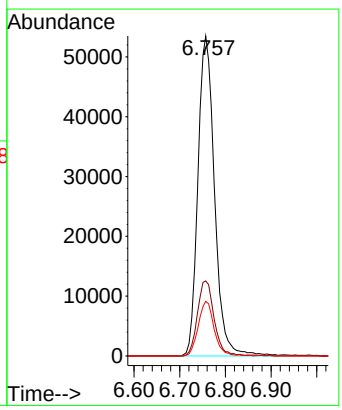
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

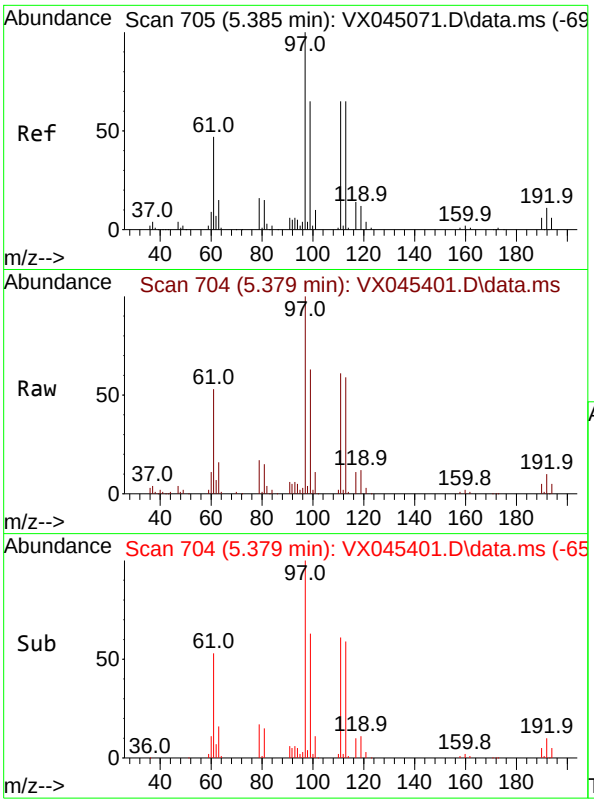


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion:114 Resp: 134934

Ion	Ratio	Lower	Upper
114	100		
63	23.5	0.0	41.8
88	17.1	0.0	32.8

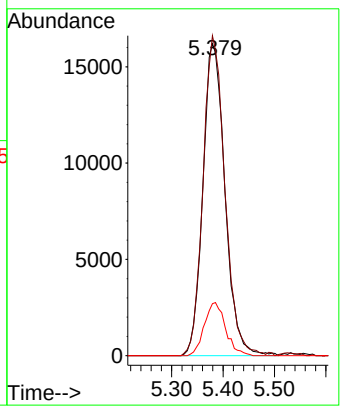




#35
Dibromofluoromethane
Concen: 53.497 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion:113 Resp: 4826

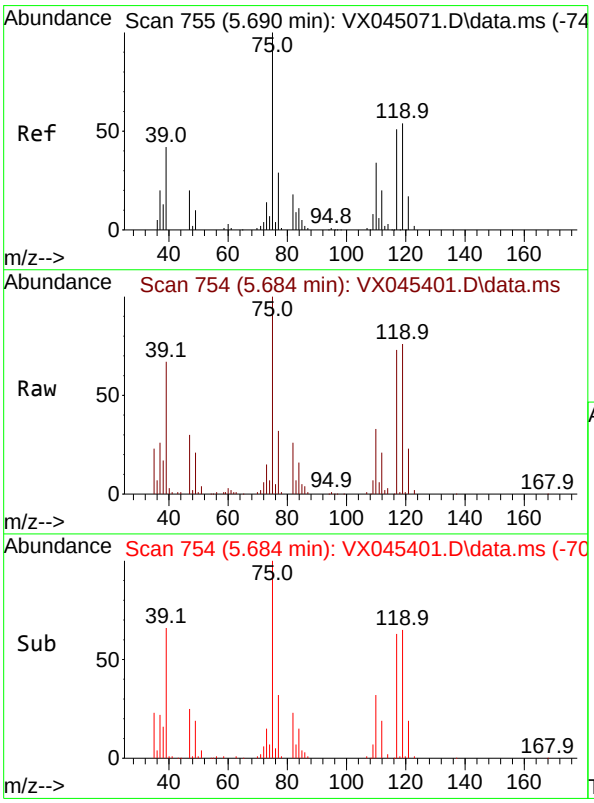
Ion	Ratio	Lower	Upper
113	100		
111	101.4	81.8	122.6
192	16.4	14.3	21.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

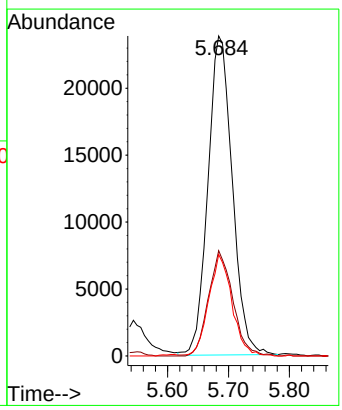
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

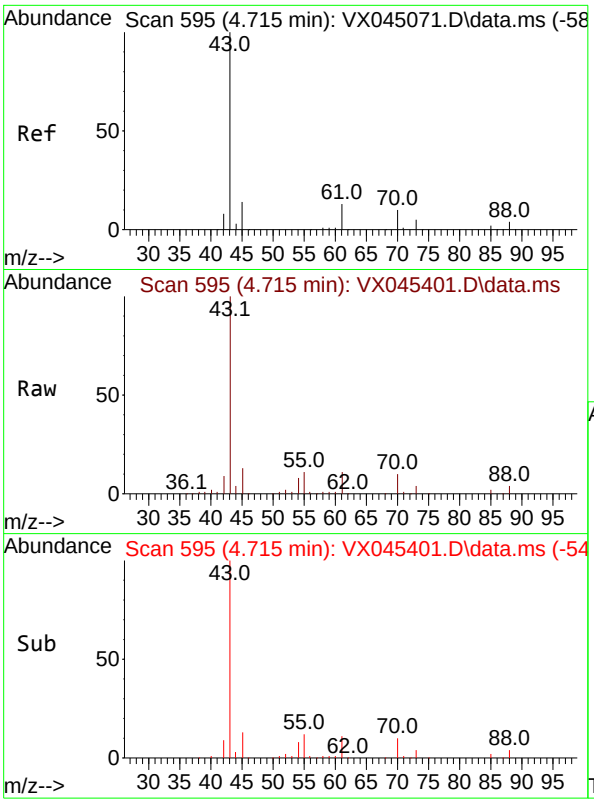


#36
1,1-Dichloropropene
Concen: 53.446 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion: 75 Resp: 66133

Ion	Ratio	Lower	Upper
75	100		
110	32.9	16.9	50.6
77	30.4	24.5	36.7

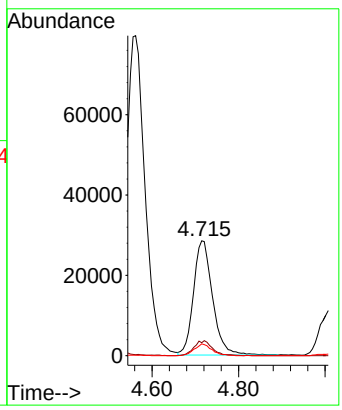




#37
Ethyl Acetate
Concen: 54.690 ug/l
RT: 4.715 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion: 43 Resp: 8719

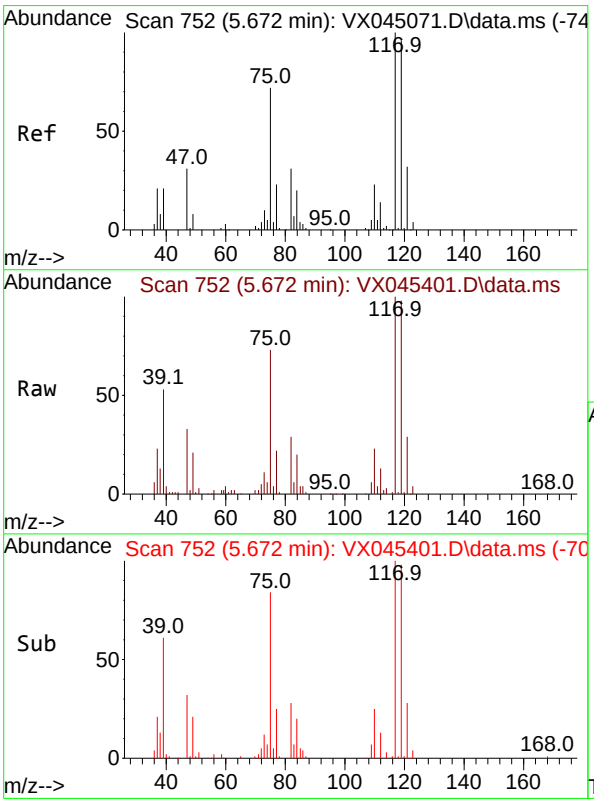
Ion	Ratio	Lower	Upper
43	100		
61	12.7	10.8	16.2
70	9.4	7.7	11.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

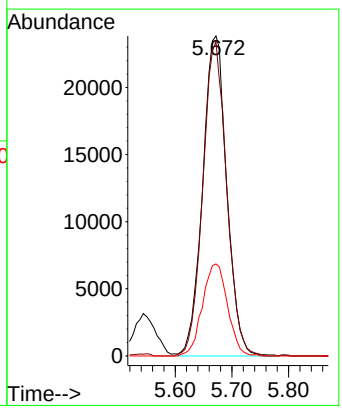
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

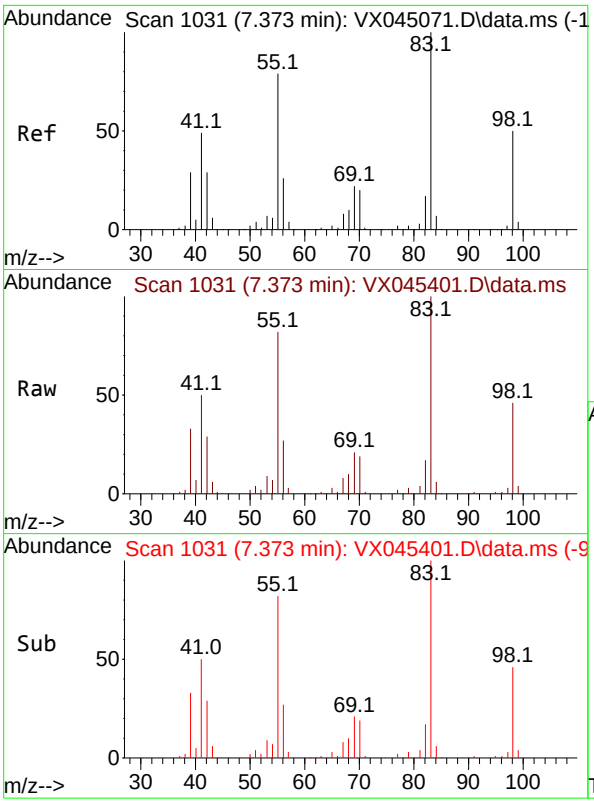


#38
Carbon Tetrachloride
Concen: 56.138 ug/l
RT: 5.672 min Scan# 752
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion:117 Resp: 70522

Ion	Ratio	Lower	Upper
117	100		
119	98.3	76.7	115.1
121	28.8	25.5	38.3

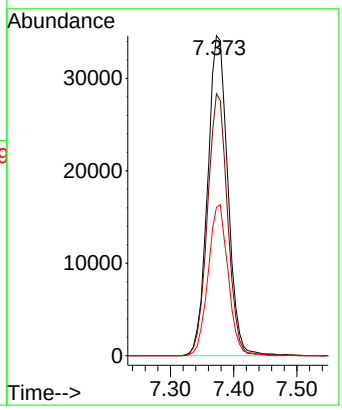




#39
Methylcyclohexane
Concen: 51.725 ug/l
RT: 7.373 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion: 83 Resp: 7669

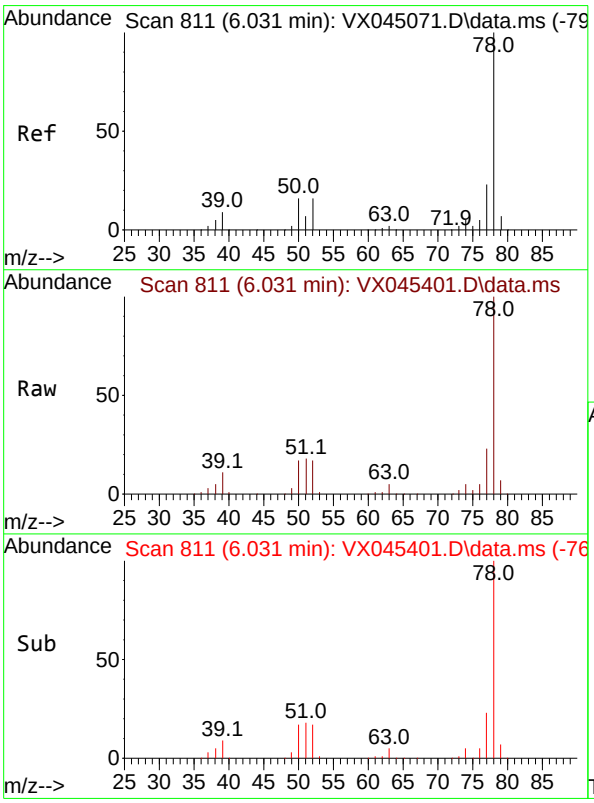
Ion	Ratio	Lower	Upper
83	100		
55	81.8	63.0	94.4
98	46.4	39.7	59.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

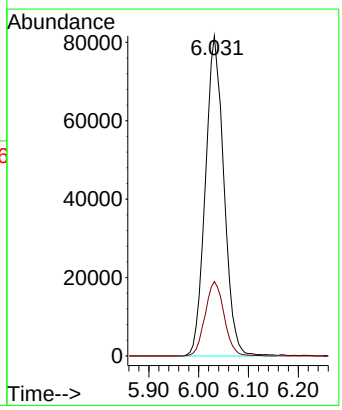
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

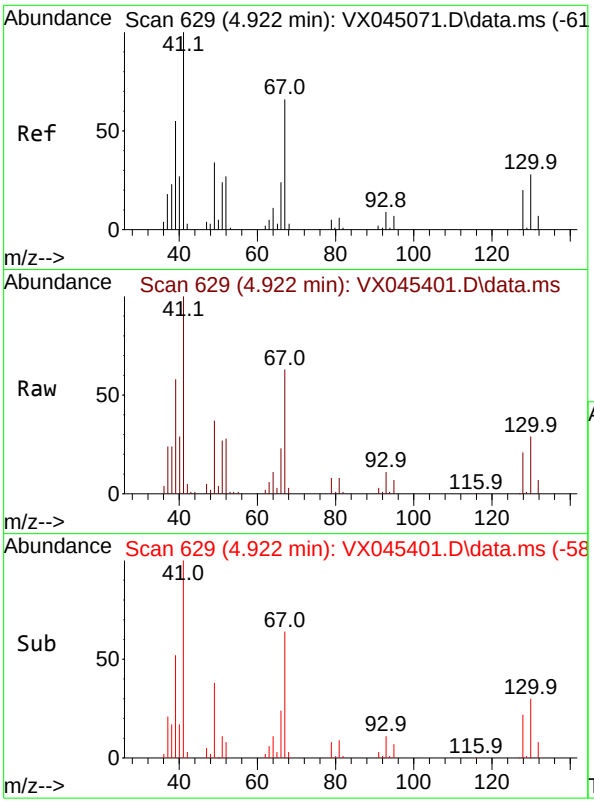


#40
Benzene
Concen: 53.866 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion: 78 Resp: 210474

Ion	Ratio	Lower	Upper
78	100		
77	23.2	18.8	28.2

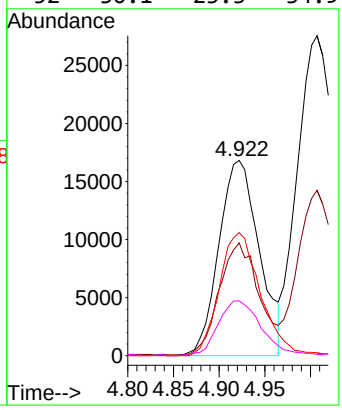




#41
Methacrylonitrile
Concen: 59.981 ug/l
RT: 4.922 min Scan# 6
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion: 41 Resp: 5171

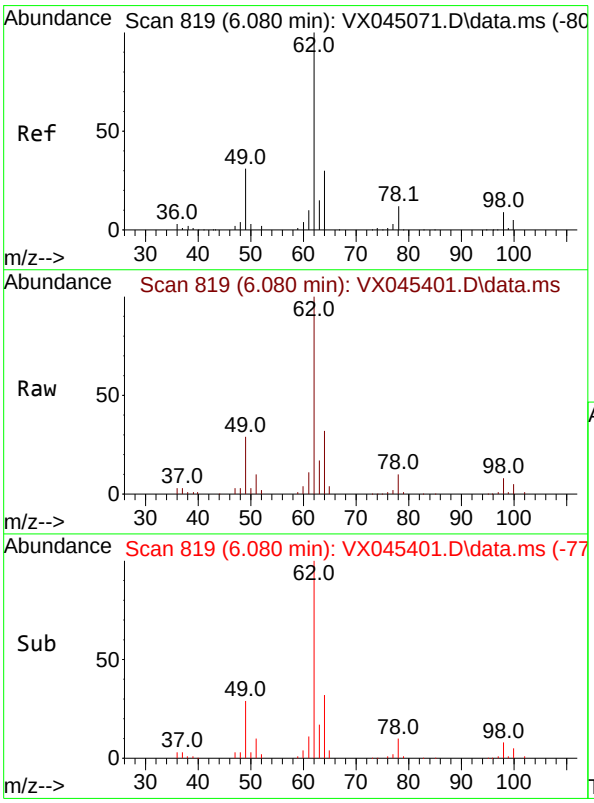
Ion	Ratio	Lower	Upper
41	100		
39	56.6	44.6	67.0
67	64.4	53.9	80.9
52	30.1	23.3	34.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

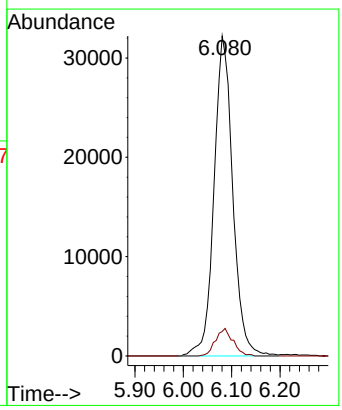
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

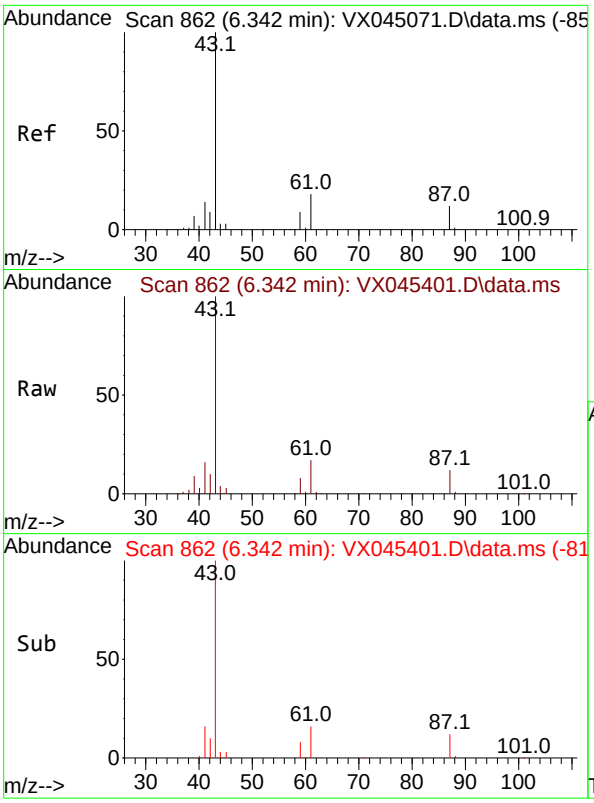


#42
1,2-Dichloroethane
Concen: 61.661 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion: 62 Resp: 86759

Ion	Ratio	Lower	Upper
62	100		
98	8.0	0.0	18.2





#43
Isopropyl Acetate
Concen: 57.582 ug/l
RT: 6.342 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

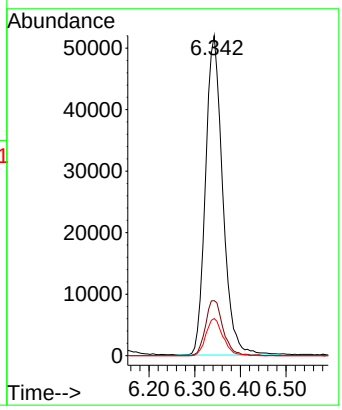
Tgt Ion: 43 Resp: 13576

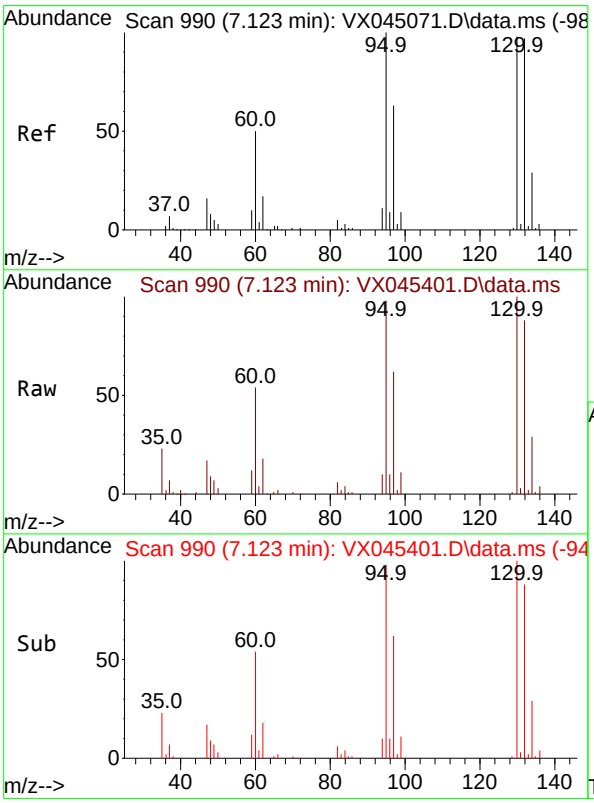
Ion	Ratio	Lower	Upper
43	100		
61	17.6	14.9	22.3
87	11.5	9.4	14.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

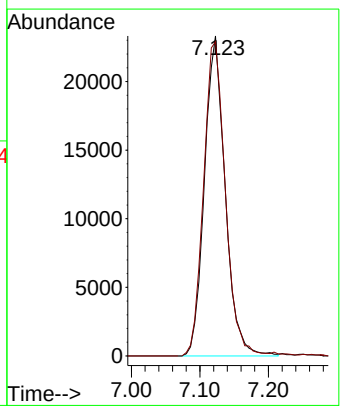


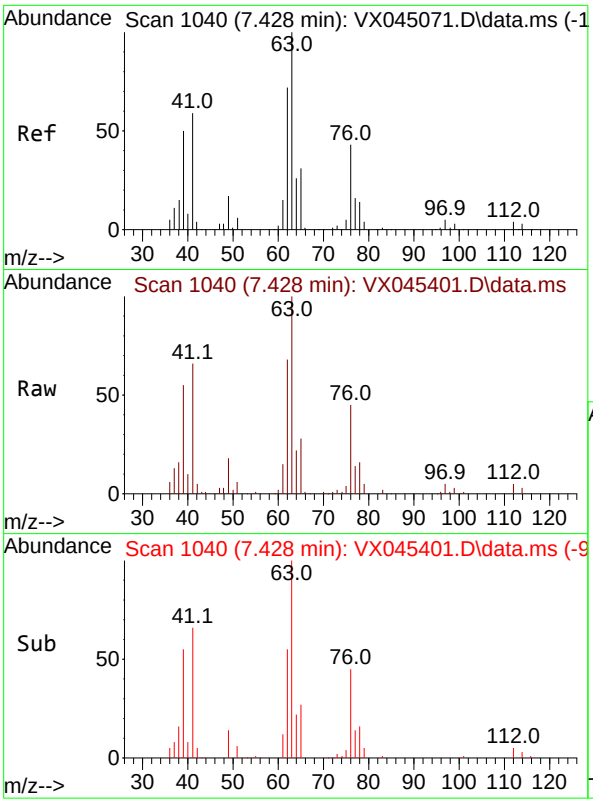


#44
Trichloroethene
Concen: 53.459 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion:130 Resp: 49047

Ion	Ratio	Lower	Upper
130	100		
95	98.2	0.0	205.0

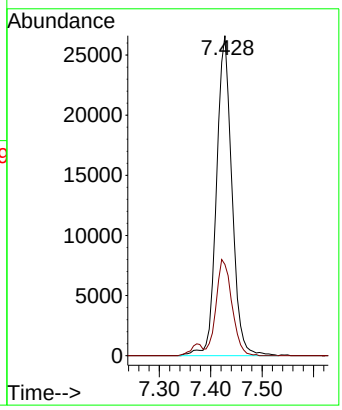




#45
1,2-Dichloropropane
Concen: 55.246 ug/l
RT: 7.428 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion: 63 Resp: 5550

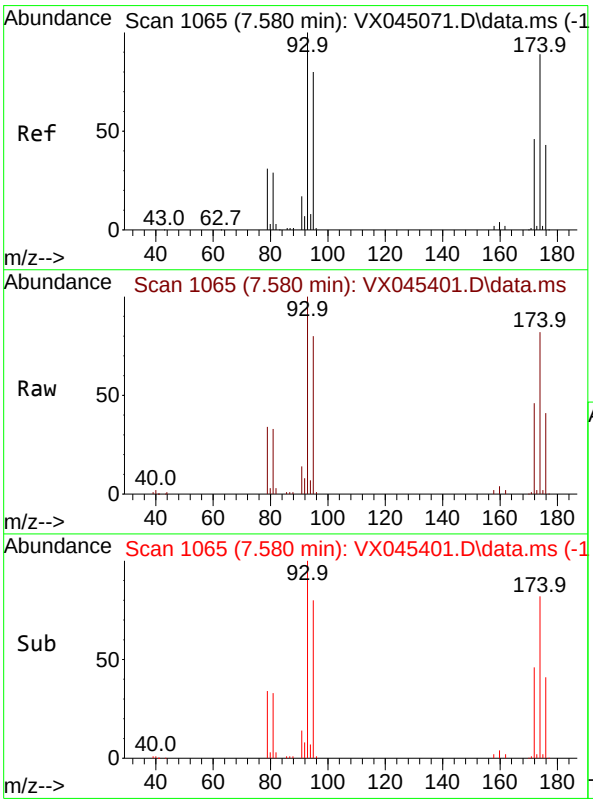
Ion	Ratio	Lower	Upper
63	100		
65	28.5	24.7	37.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

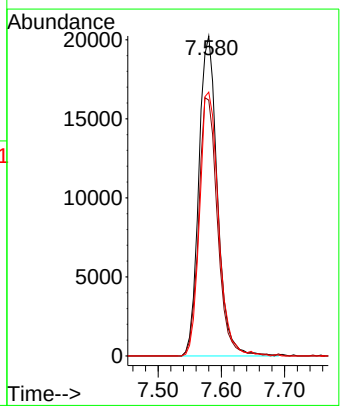
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

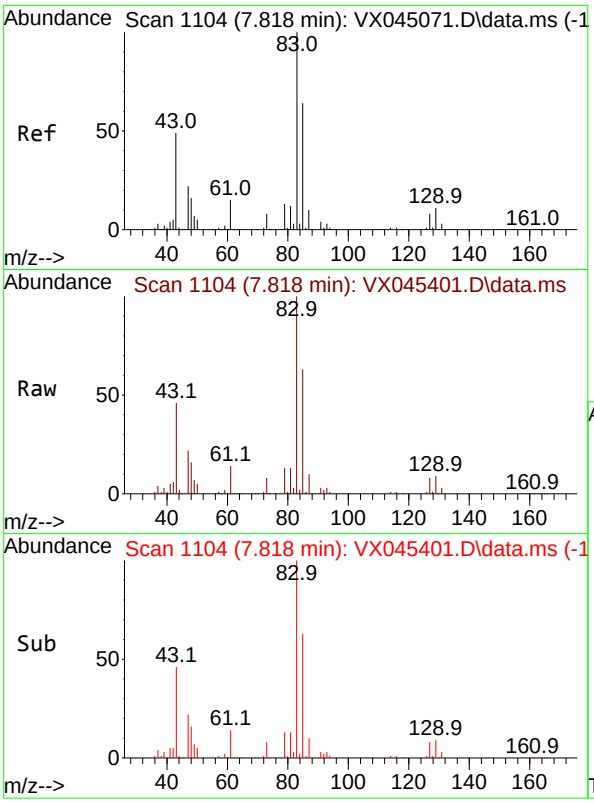


#46
Dibromomethane
Concen: 58.374 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion: 93 Resp: 41450

Ion	Ratio	Lower	Upper
93	100		
95	81.5	65.8	98.8
174	83.9	72.2	108.2

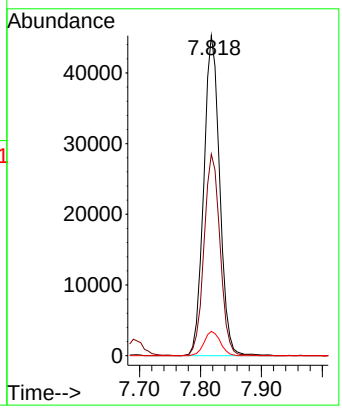




#47
Bromodichloromethane
Concen: 59.068 ug/l
RT: 7.818 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion: 83 Resp: 8226

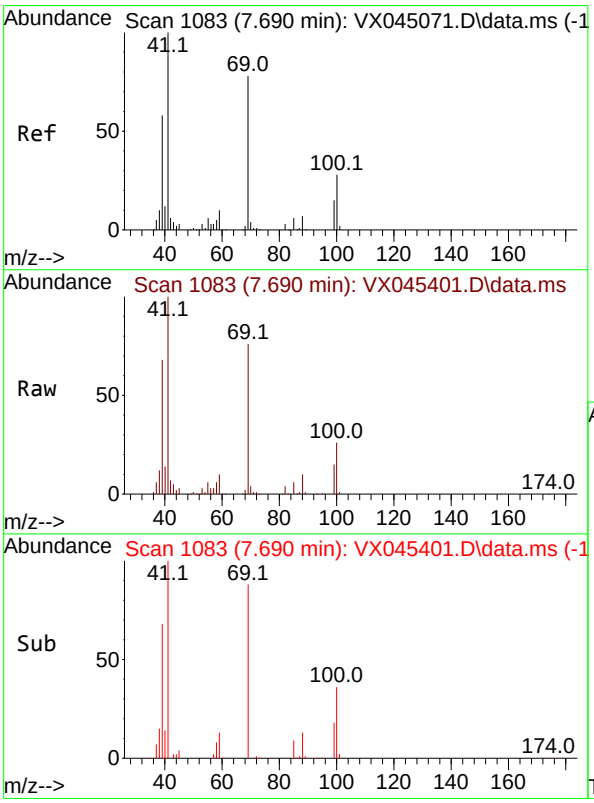
Ion	Ratio	Lower	Upper
83	100		
85	63.0	51.1	76.7
127	7.6	6.4	9.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

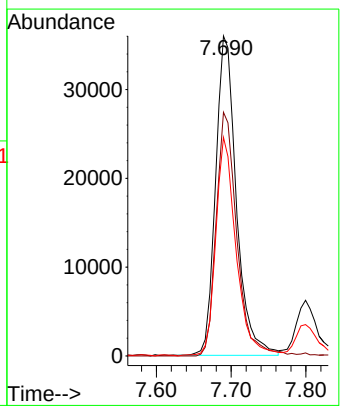
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

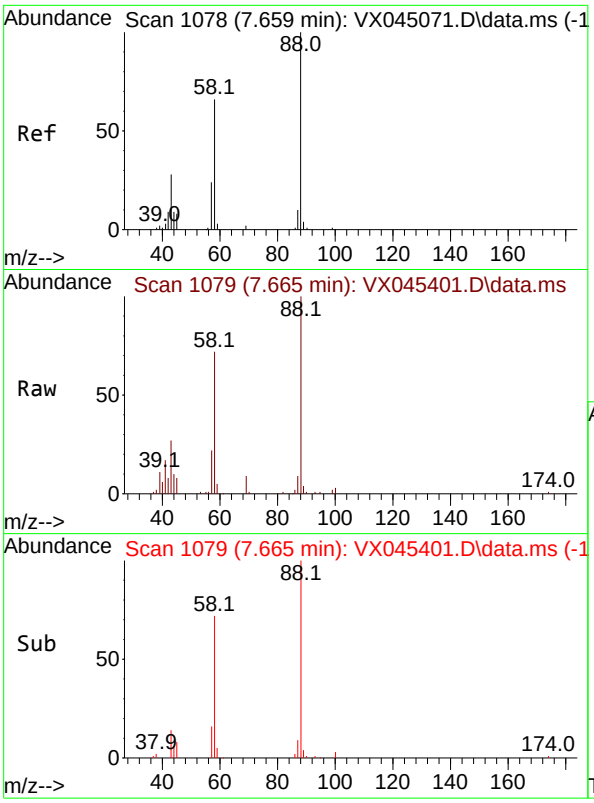


#48
Methyl methacrylate
Concen: 58.949 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion: 41 Resp: 69727

Ion	Ratio	Lower	Upper
41	100		
69	76.1	63.0	94.6
39	67.2	47.5	71.3





#49
1,4-Dioxane
Concen: 985.741 ug/l
RT: 7.665 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

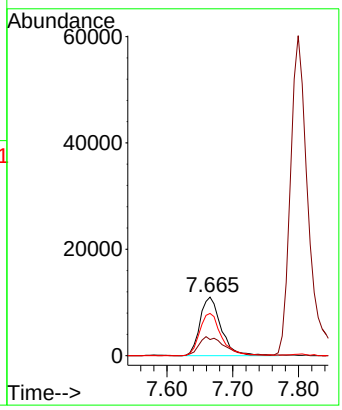
Tgt Ion: 88 Resp: 2459

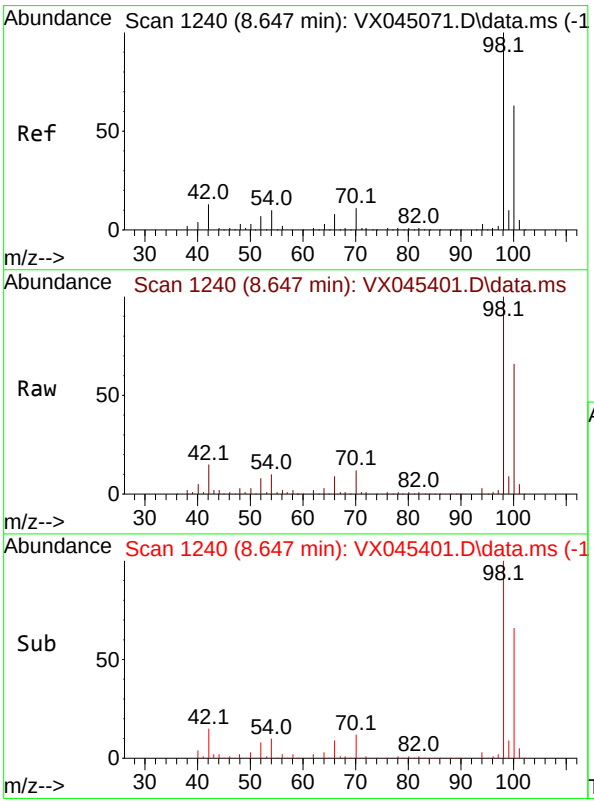
Ion	Ratio	Lower	Upper
88	100		
43	39.6	28.7	43.1
58	73.7	55.8	83.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

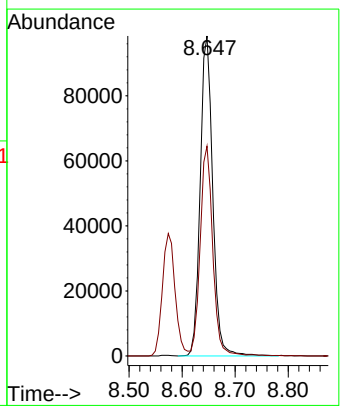


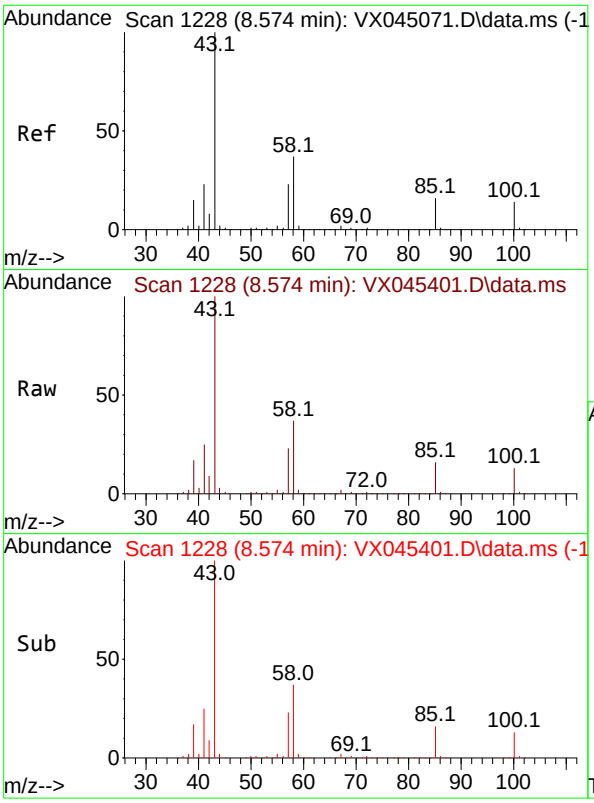


#50
Toluene-d8
Concen: 49.417 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion: 98 Resp: 161646

Ion	Ratio	Lower	Upper
98	100		
100	65.7	52.0	78.0

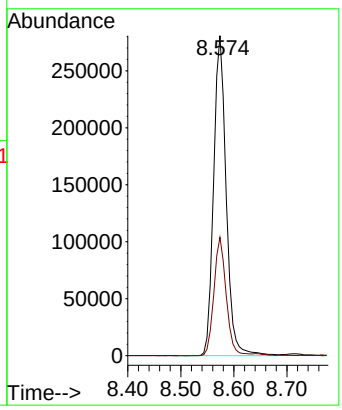




#51
4-Methyl-2-Pentanone
Concen: 292.590 ug/l
RT: 8.574 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion: 43 Resp: 46319

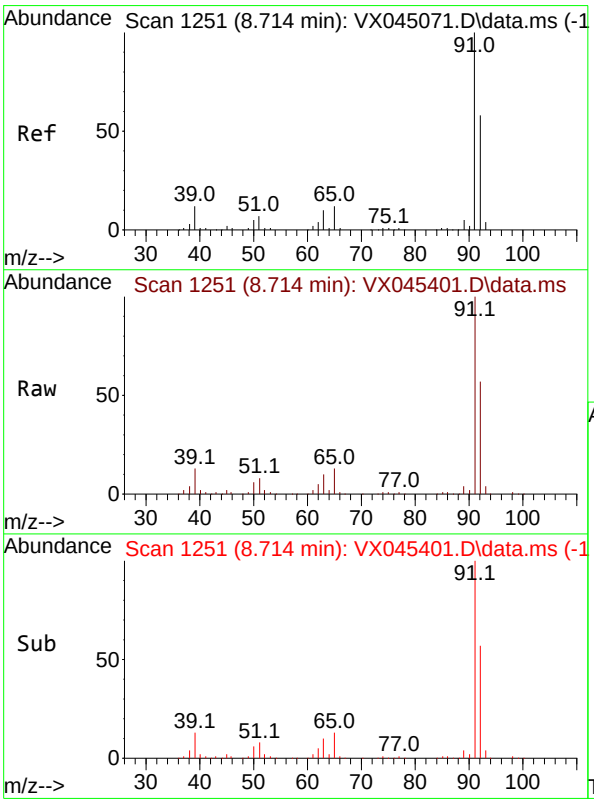
Ion	Ratio	Lower	Upper
43	100		
58	36.0	29.2	43.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

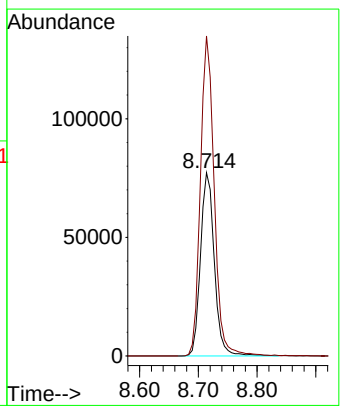
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

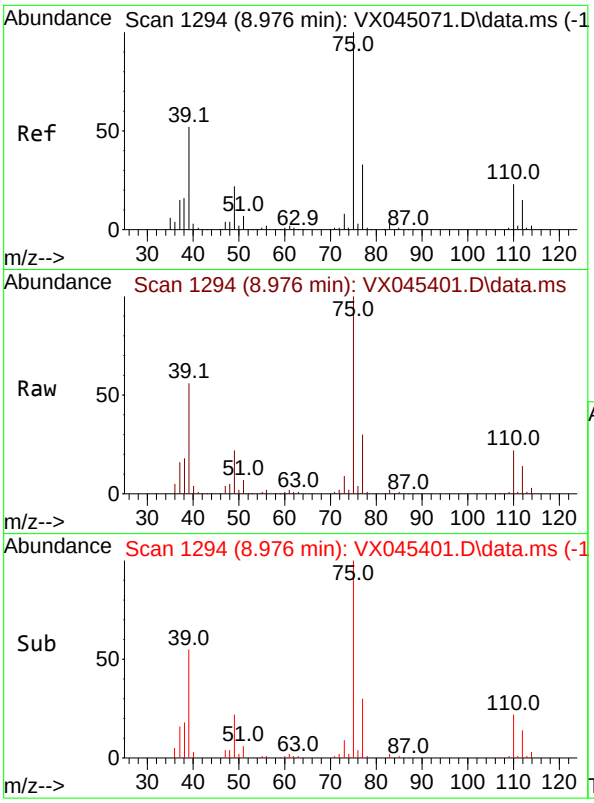


#52
Toluene
Concen: 55.048 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion: 92 Resp: 126198

Ion	Ratio	Lower	Upper
92	100		
91	173.9	138.9	208.3

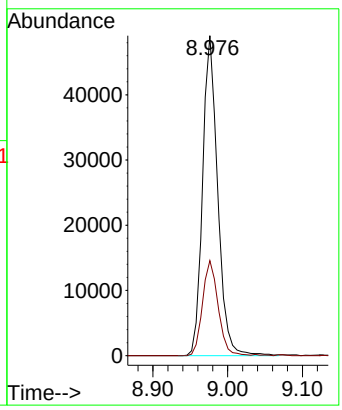




#53
t-1,3-Dichloropropene
Concen: 59.170 ug/l
RT: 8.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion: 75 Resp: 6889

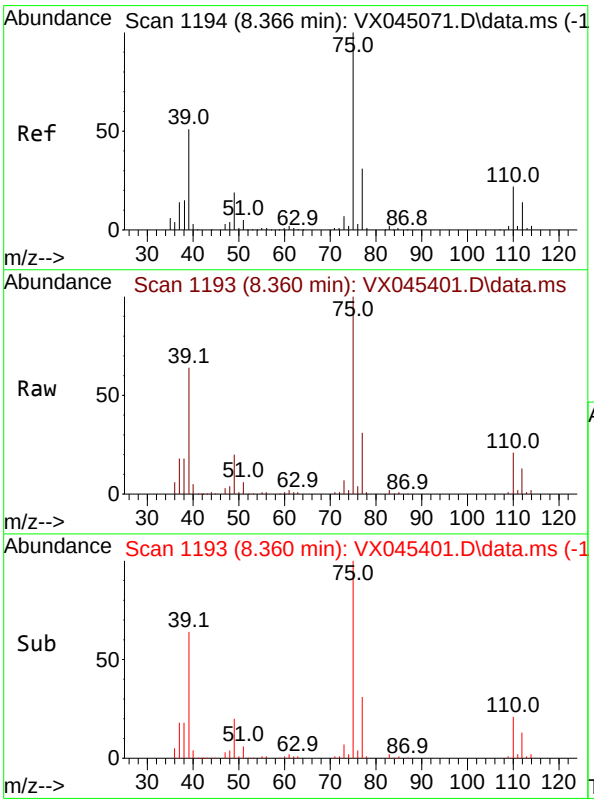
Ion	Ratio	Lower	Upper
75	100		
77	29.7	26.5	39.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

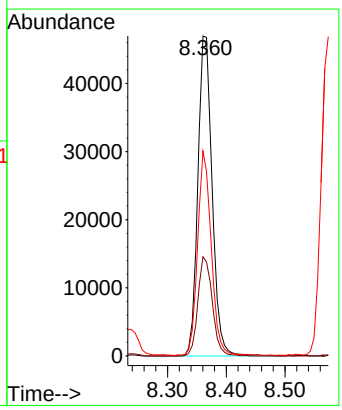
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

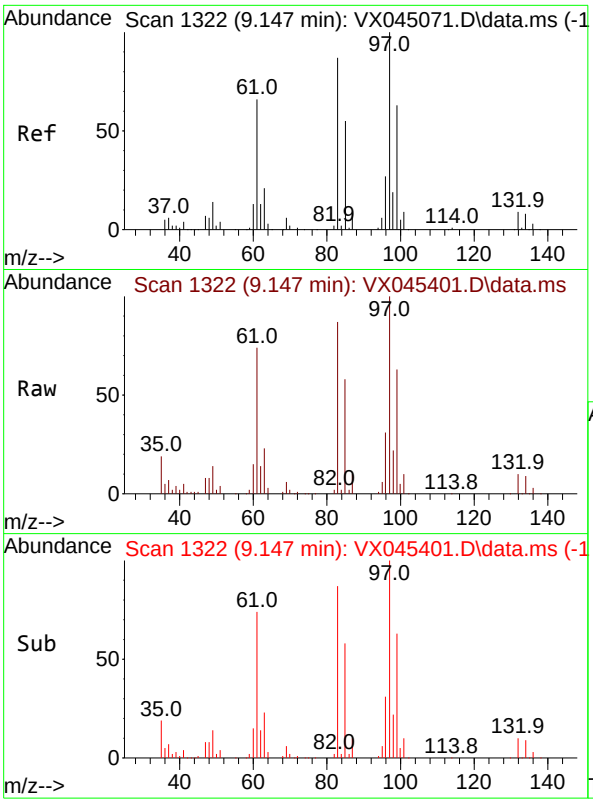


#54
cis-1,3-Dichloropropene
Concen: 58.304 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. -0.006 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion: 75 Resp: 79164

Ion	Ratio	Lower	Upper
75	100		
77	31.0	24.7	37.1
39	63.8	40.7	61.1#

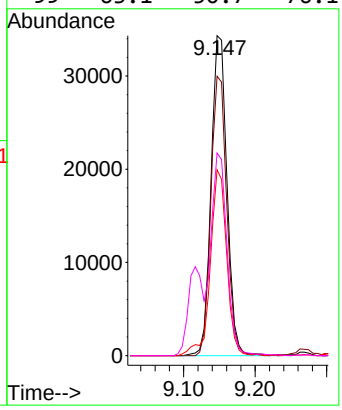




#55
1,1,2-Trichloroethane
Concen: 56.131 ug/l
RT: 9.147 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion: 97 Resp: 5297

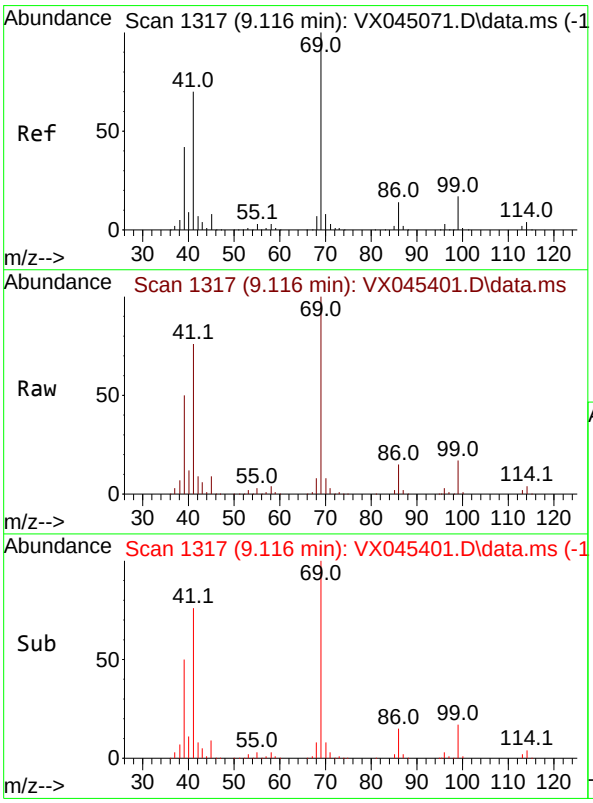
Ion	Ratio	Lower	Upper
97	100		
83	87.3	69.4	104.2
85	58.1	44.1	66.1
99	63.1	50.7	76.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

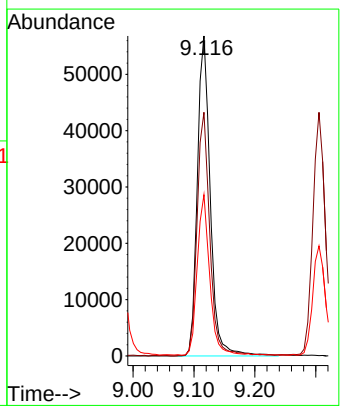
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

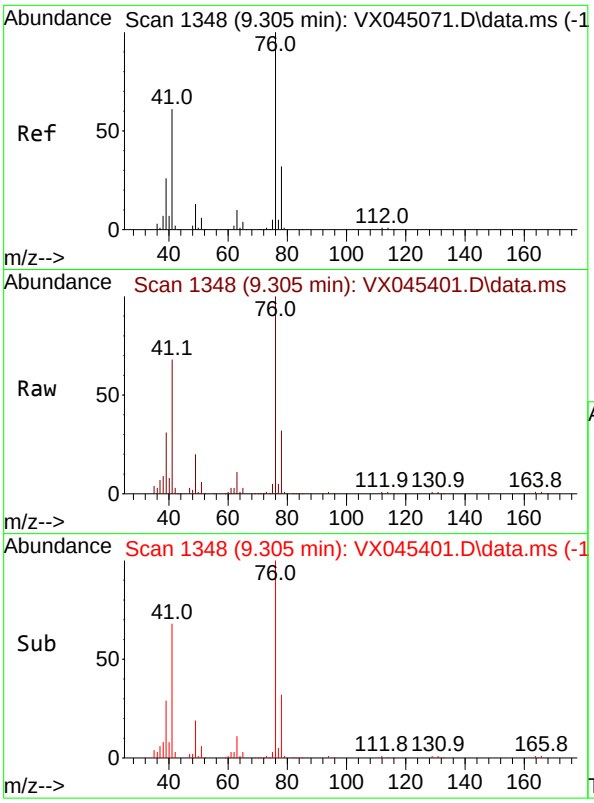


#56
Ethyl methacrylate
Concen: 58.321 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion: 69 Resp: 83667

Ion	Ratio	Lower	Upper
69	100		
41	75.7	57.0	85.4
39	48.9	34.2	51.4

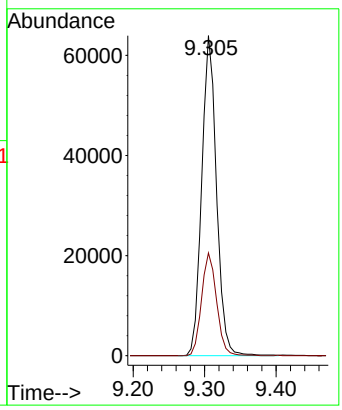




#57
1,3-Dichloropropane
Concen: 56.184 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion: 76 Resp: 9176

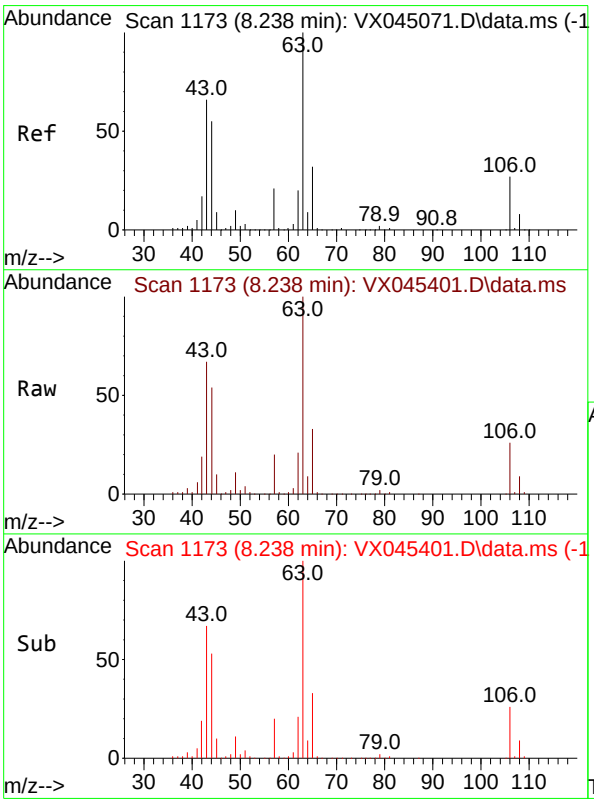
Ion	Ratio	Lower	Upper
76	100		
78	32.6	25.5	38.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

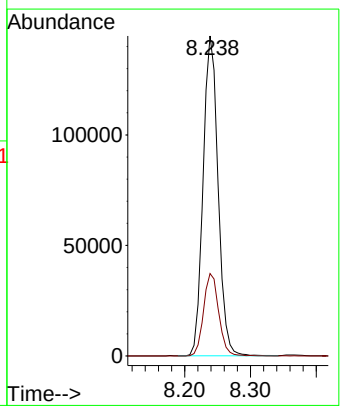
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

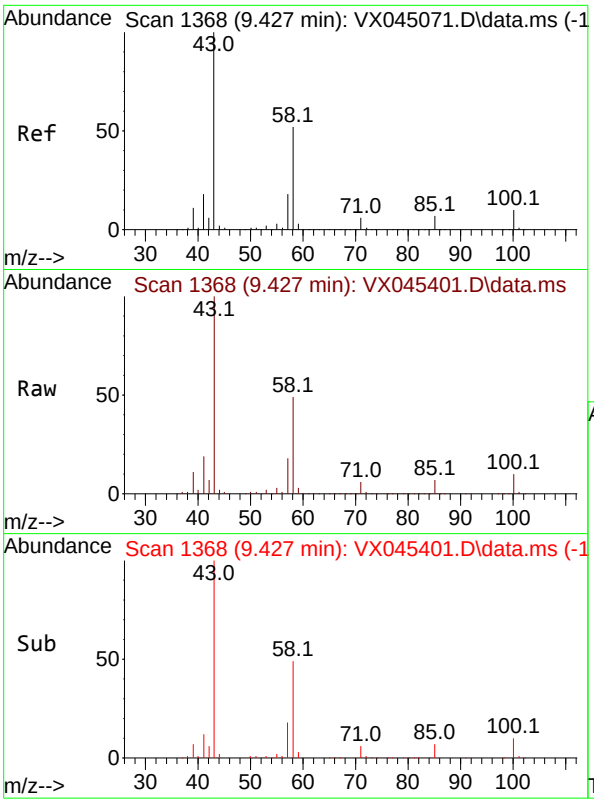


#58
2-Chloroethyl Vinyl ether
Concen: 327.394 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion: 63 Resp: 229112

Ion	Ratio	Lower	Upper
63	100		
106	26.1	21.5	32.3

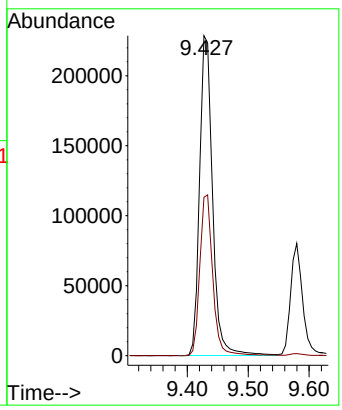




#59
2-Hexanone
Concen: 294.834 ug/l
RT: 9.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion: 43 Resp: 33817

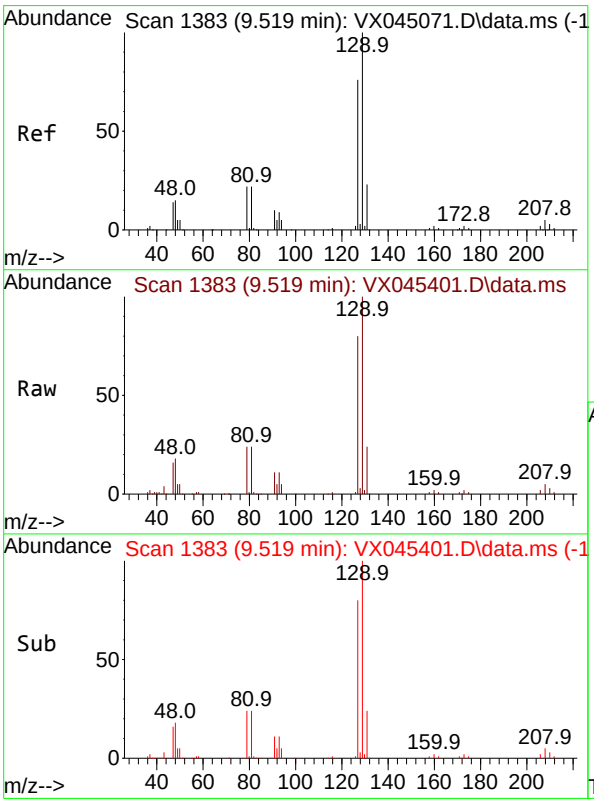
Ion	Ratio	Lower	Upper
43	100		
58	50.4	25.9	77.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

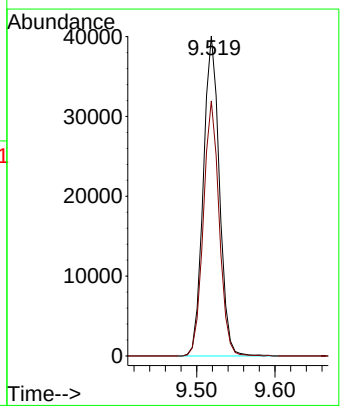
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

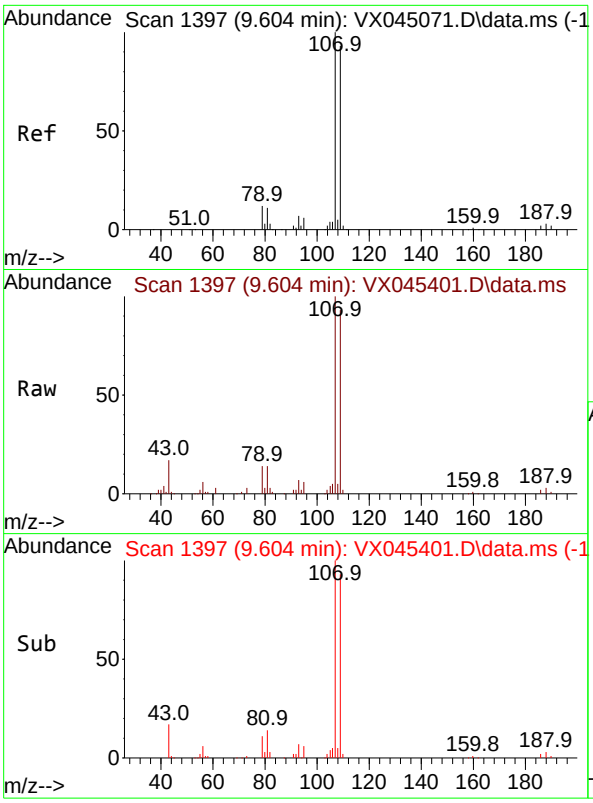


#60
Dibromochloromethane
Concen: 57.765 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion:129 Resp: 57002

Ion	Ratio	Lower	Upper
129	100		
127	78.2	38.5	115.5

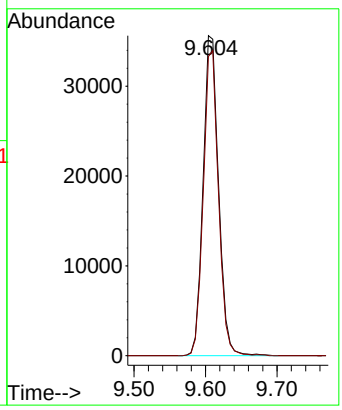




#61
1,2-Dibromoethane
Concen: 56.890 ug/l
RT: 9.604 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion:107 Resp: 5360

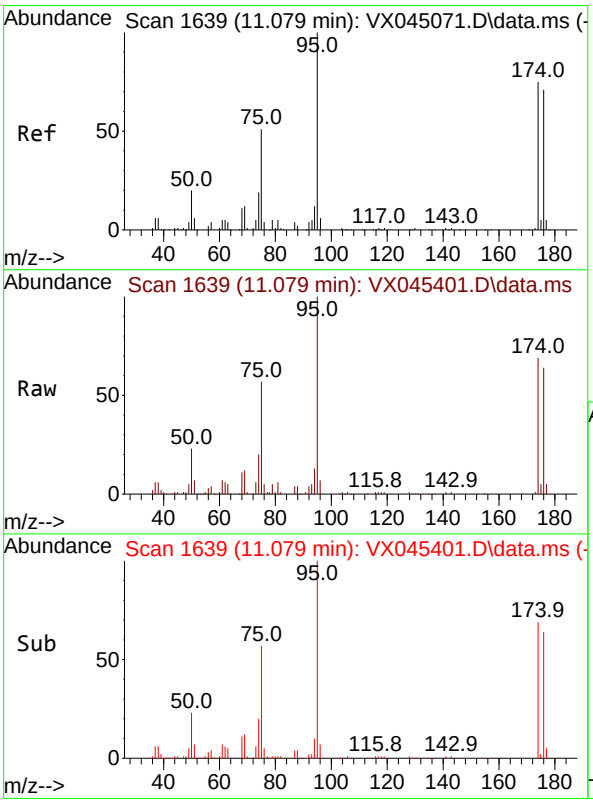
Ion	Ratio	Lower	Upper
107	100		
109	93.3	76.1	114.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

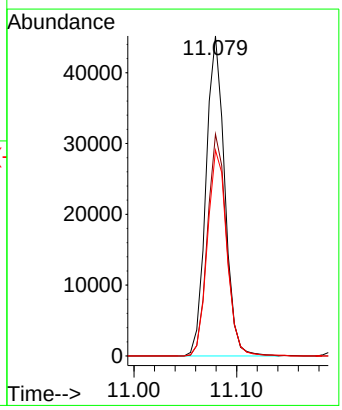
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

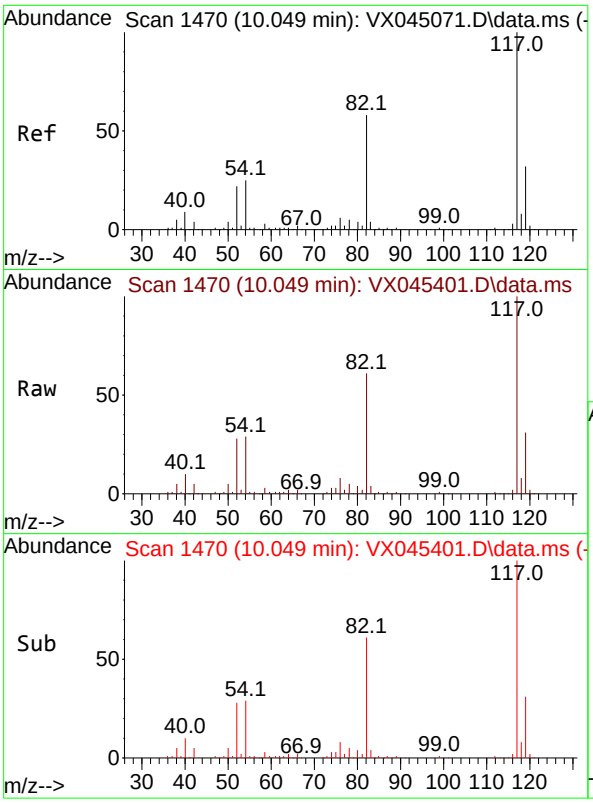


#62
4-Bromofluorobenzene
Concen: 52.550 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion: 95 Resp: 56960

Ion	Ratio	Lower	Upper
95	100		
174	70.5	0.0	148.2
176	66.9	0.0	141.4

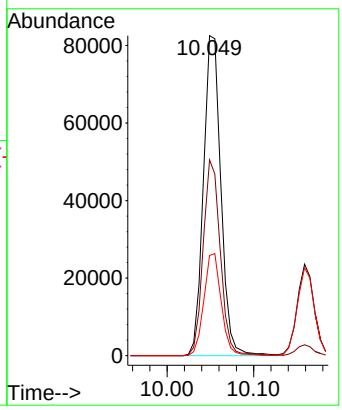




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion:117 Resp: 11597

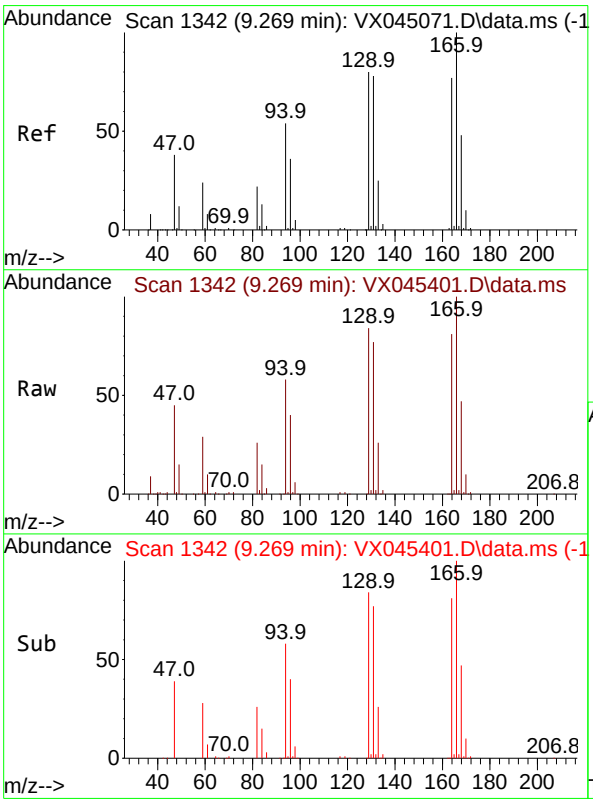
Ion	Ratio	Lower	Upper
117	100		
82	61.2	46.3	69.5
119	31.3	25.7	38.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

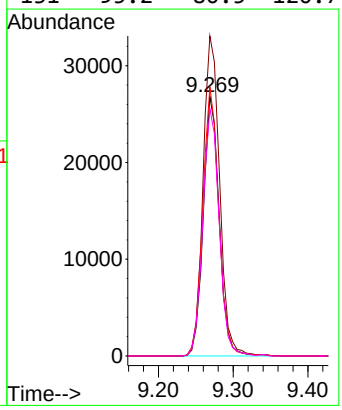
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

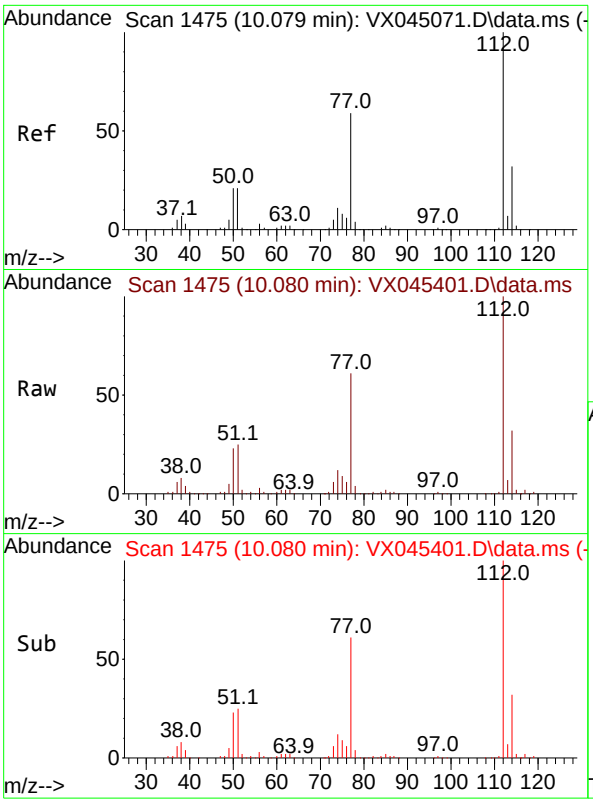


#64
Tetrachloroethene
Concen: 53.474 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion:164 Resp: 39719

Ion	Ratio	Lower	Upper
164	100		
166	123.4	103.6	155.4
129	103.8	82.7	124.1
131	95.2	80.5	120.7





#65
Chlorobenzene
Concen: 53.968 ug/l
RT: 10.080 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

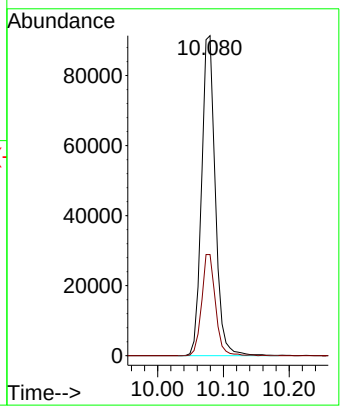
Tgt Ion:112 Resp: 13243

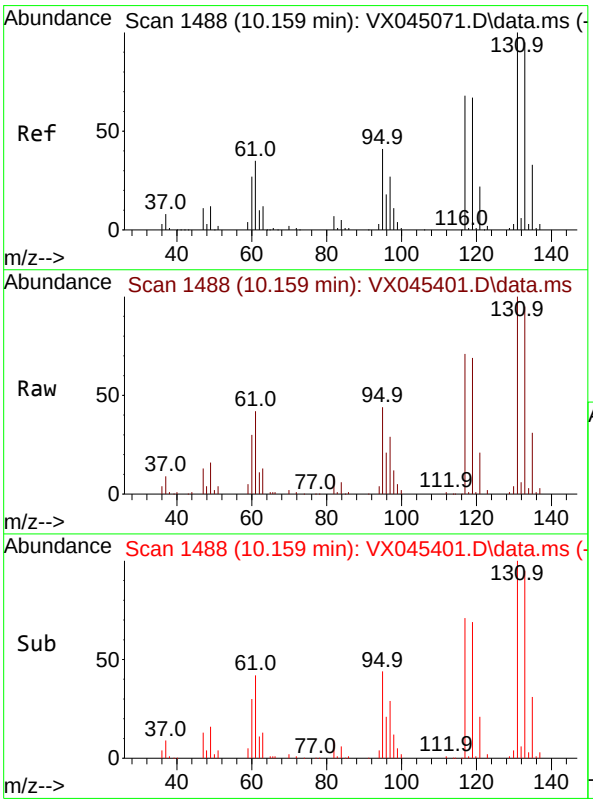
Ion	Ratio	Lower	Upper
112	100		
114	31.6	26.0	39.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

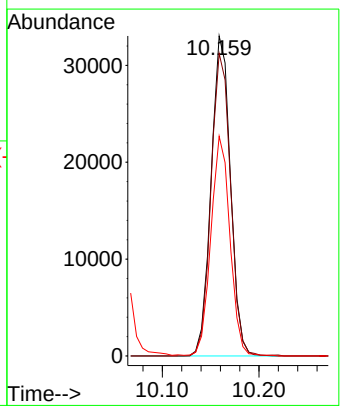


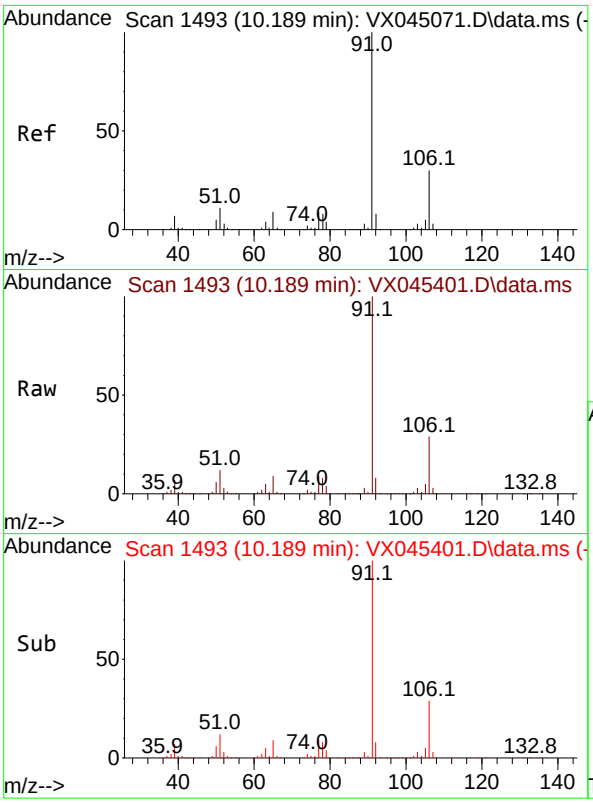


#66
1,1,1,2-Tetrachloroethane
Concen: 56.016 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion:131 Resp: 45778

Ion	Ratio	Lower	Upper
131	100		
133	95.8	48.6	145.9
119	67.9	33.9	101.7





#67
Ethyl Benzene
Concen: 56.012 ug/l
RT: 10.189 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

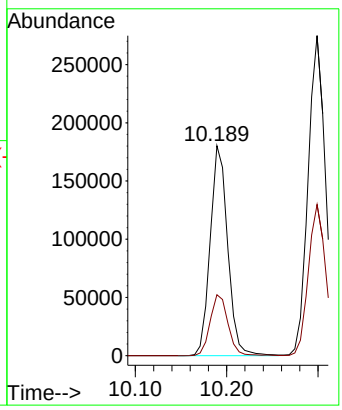
Tgt Ion: 91 Resp: 23950

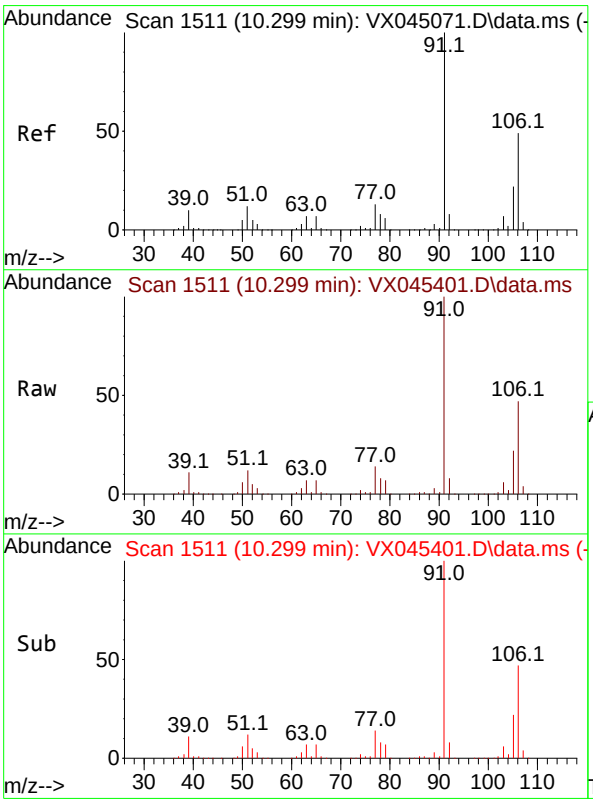
Ion	Ratio	Lower	Upper
91	100		
106	29.0	23.9	35.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

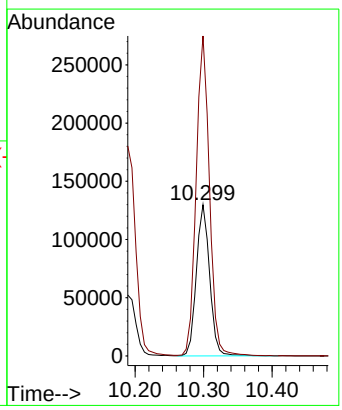


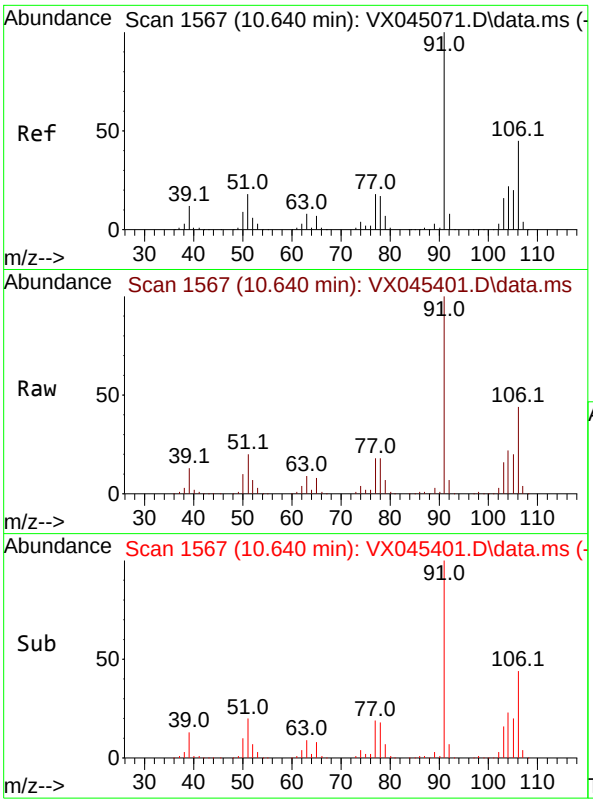


#68
m/p-Xylenes
Concen: 111.853 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion:106 Resp: 175085

Ion	Ratio	Lower	Upper
106	100		
91	212.3	165.4	248.0

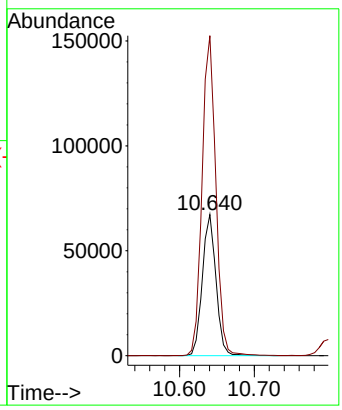




#69
o-Xylene
Concen: 54.016 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion:106 Resp: 8527

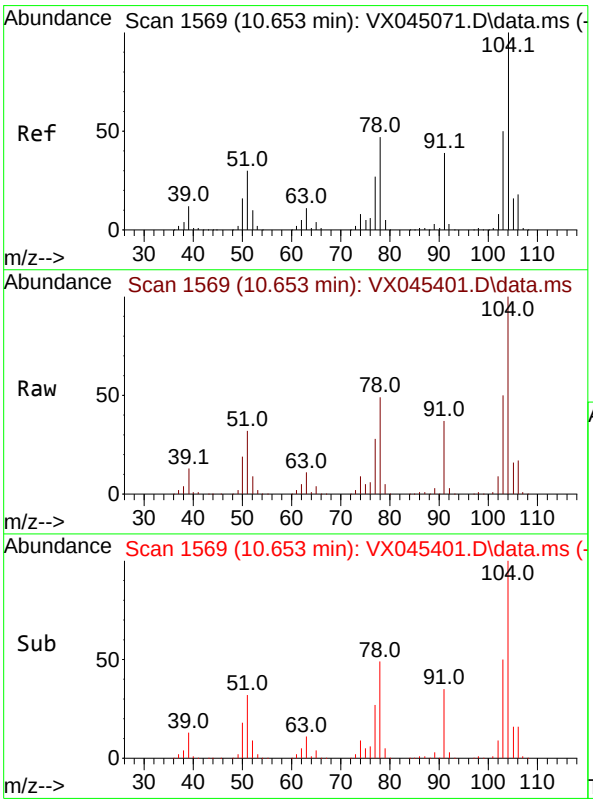
Ion	Ratio	Lower	Upper
106	100		
91	228.7	109.9	329.6



Instrument :
MSVOA_X
ClientSampleId :
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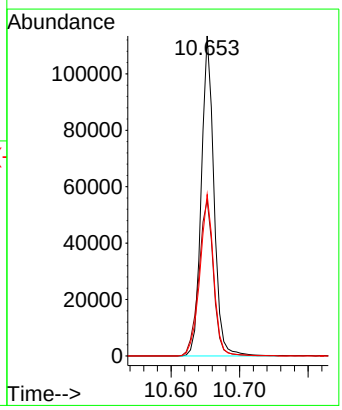
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

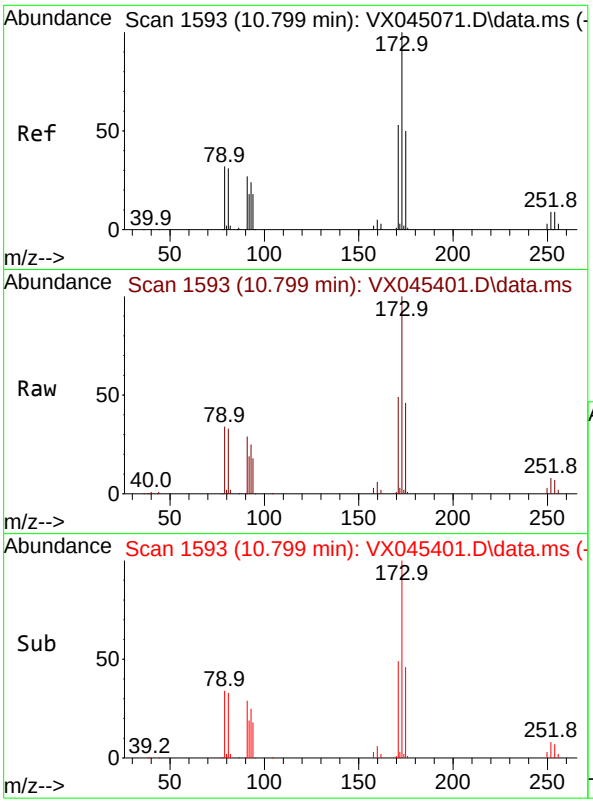


#70
Styrene
Concen: 57.041 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion:104 Resp: 145711

Ion	Ratio	Lower	Upper
104	100		
78	56.4	42.2	63.4
103	55.2	43.8	65.8

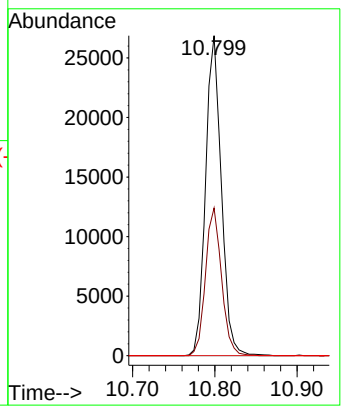




#71
Bromoform
Concen: 57.963 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion:173 Resp: 3572

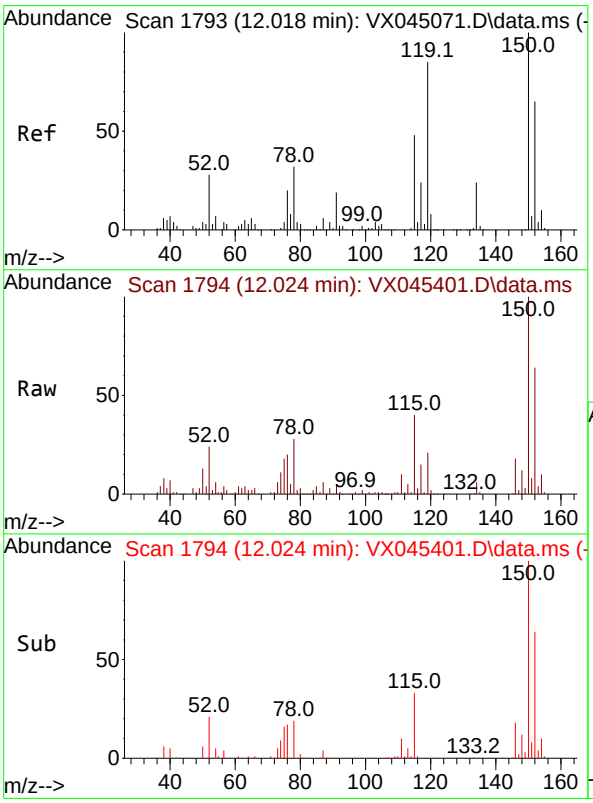
Ion	Ratio	Lower	Upper
173	100		
175	47.1	24.6	73.6
254	0.0	0.0	0.0



Instrument :
MSVOA_X
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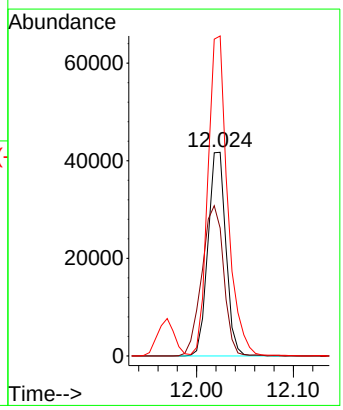
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

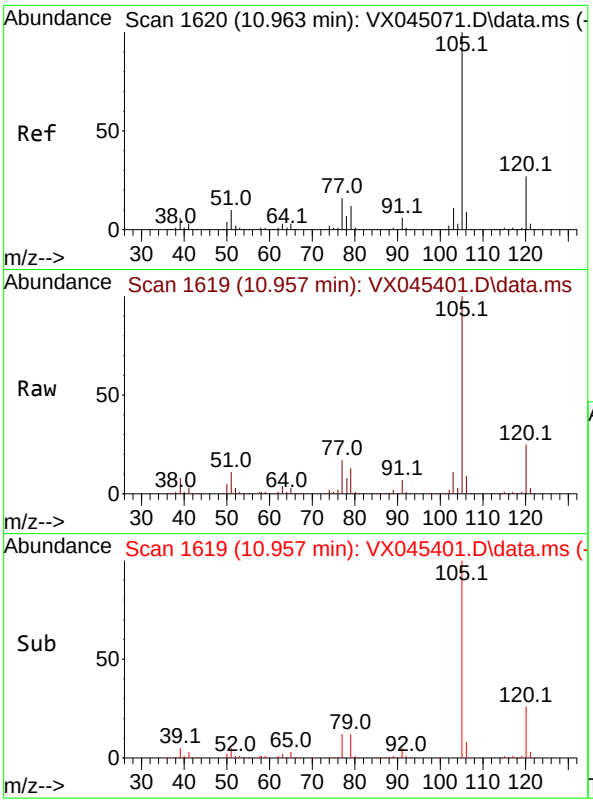


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion:152 Resp: 53641

Ion	Ratio	Lower	Upper
152	100		
115	90.2	44.2	132.6
150	173.0	0.0	349.0





#73
Isopropylbenzene
Concen: 54.369 ug/l
RT: 10.957 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

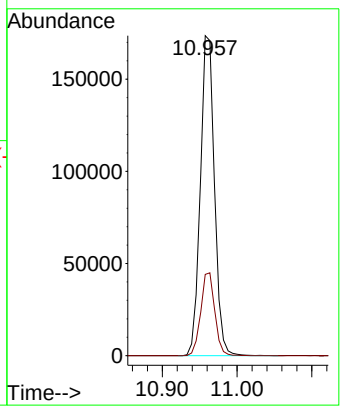
Tgt Ion:105 Resp: 22763

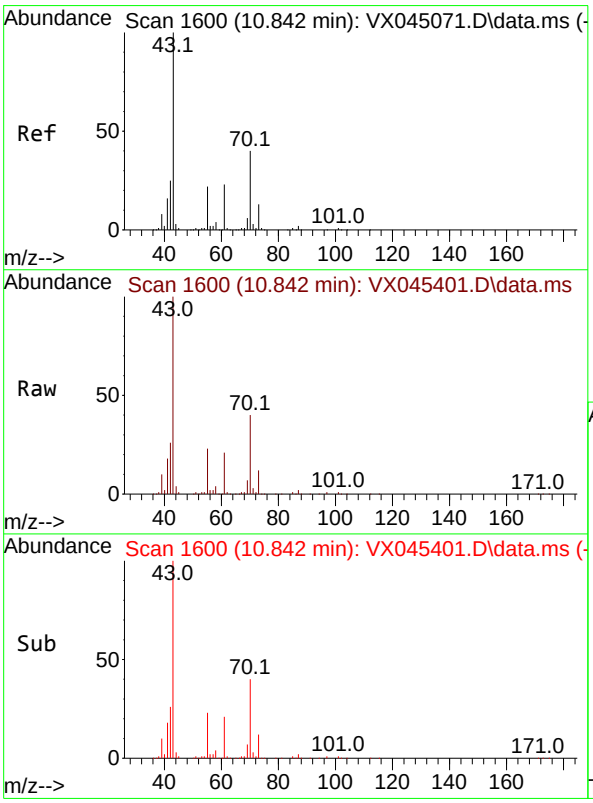
Ion	Ratio	Lower	Upper
105	100		
120	25.8	13.2	39.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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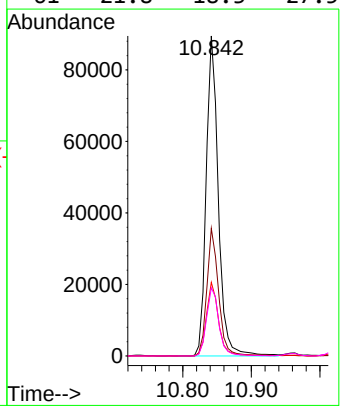


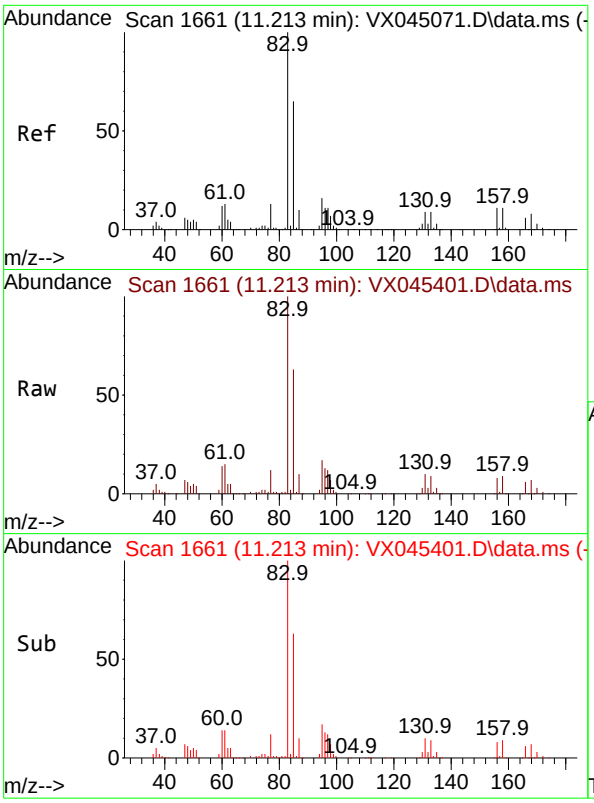


#74
N-amyl acetate
Concen: 56.217 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion: 43 Resp: 110444

Ion	Ratio	Lower	Upper
43	100		
70	38.6	31.8	47.6
55	23.2	18.3	27.5
61	21.8	18.3	27.5

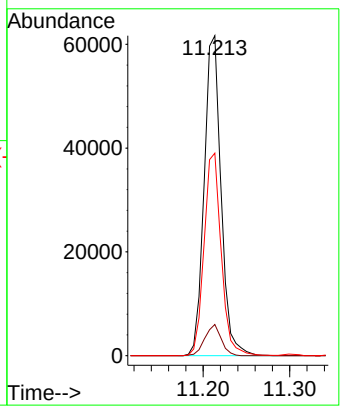




#75
1,1,2,2-Tetrachloroethane
Concen: 54.359 ug/l
RT: 11.213 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion: 83 Resp: 8351

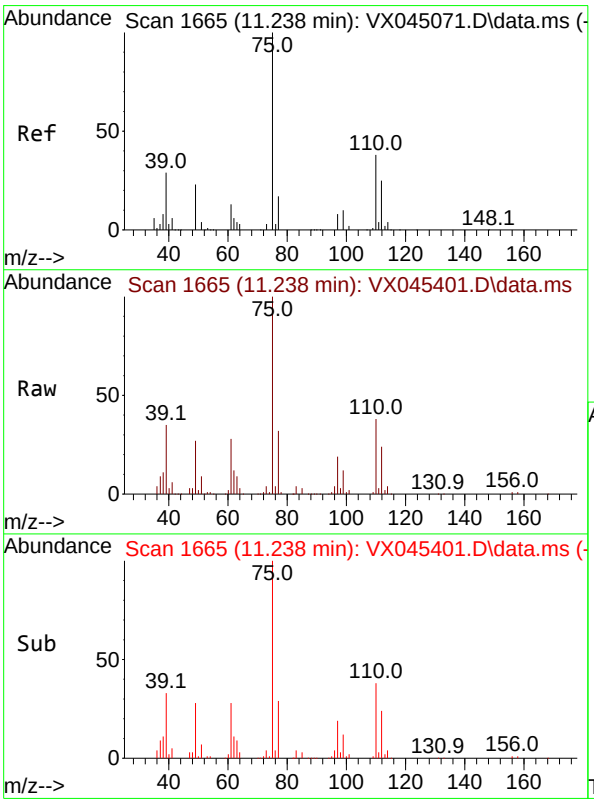
Ion	Ratio	Lower	Upper
83	100		
131	9.5	4.5	13.4
85	64.3	31.7	95.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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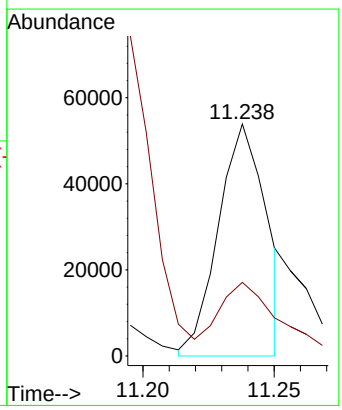
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

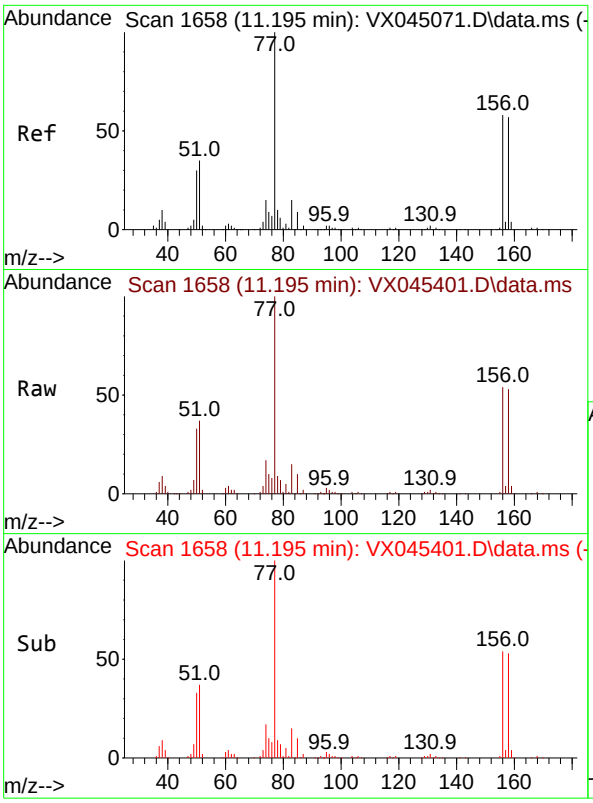


#76
1,2,3-Trichloropropane
Concen: 54.751 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion: 75 Resp: 68356

Ion	Ratio	Lower	Upper
75	100		
77	40.6	20.7	62.1

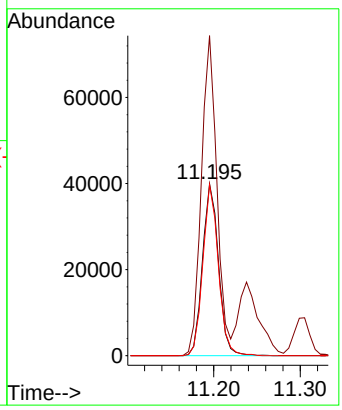




#77
Bromobenzene
Concen: 51.964 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion:156 Resp: 5133

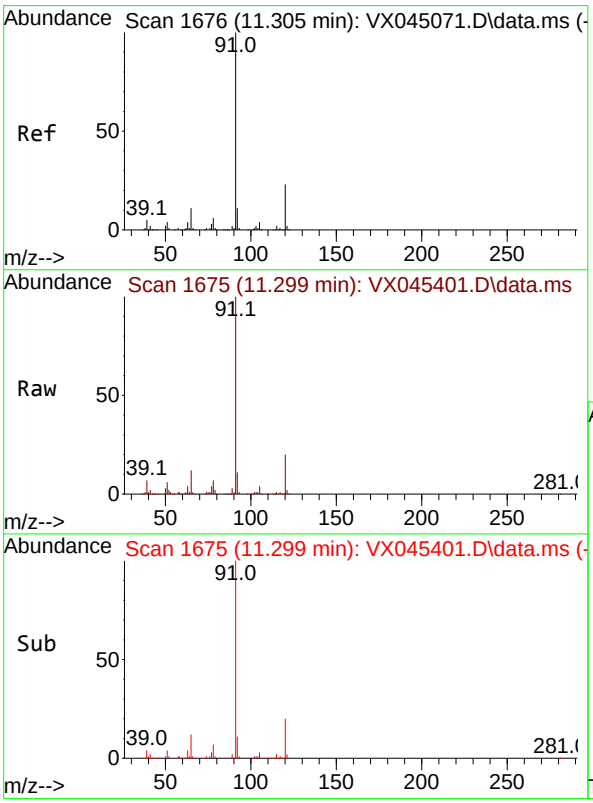
Ion	Ratio	Lower	Upper
156	100		
77	180.5	85.8	257.4
158	96.3	48.4	145.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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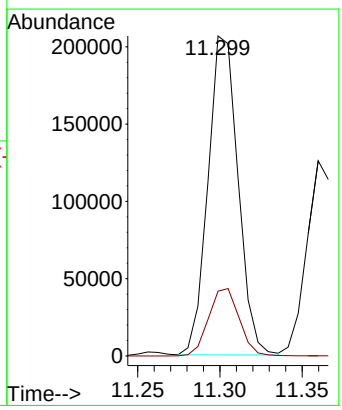
Reviewed By :Semsettin Yesilyurt 03/24/2025
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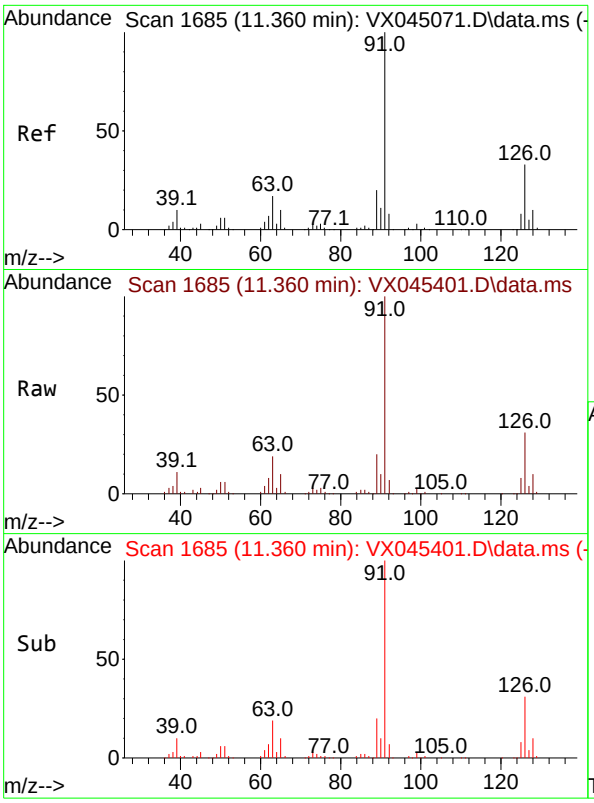


#78
n-propylbenzene
Concen: 55.477 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. -0.006 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion: 91 Resp: 262384

Ion	Ratio	Lower	Upper
91	100		
120	21.6	11.2	33.6

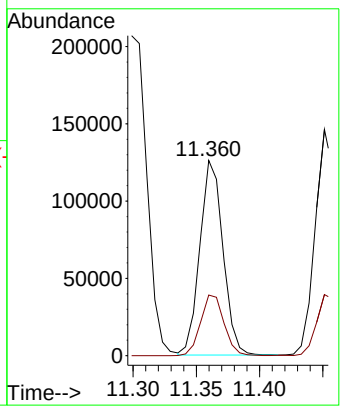




#79
2-Chlorotoluene
Concen: 53.282 ug/l
RT: 11.360 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion: 91 Resp: 16049

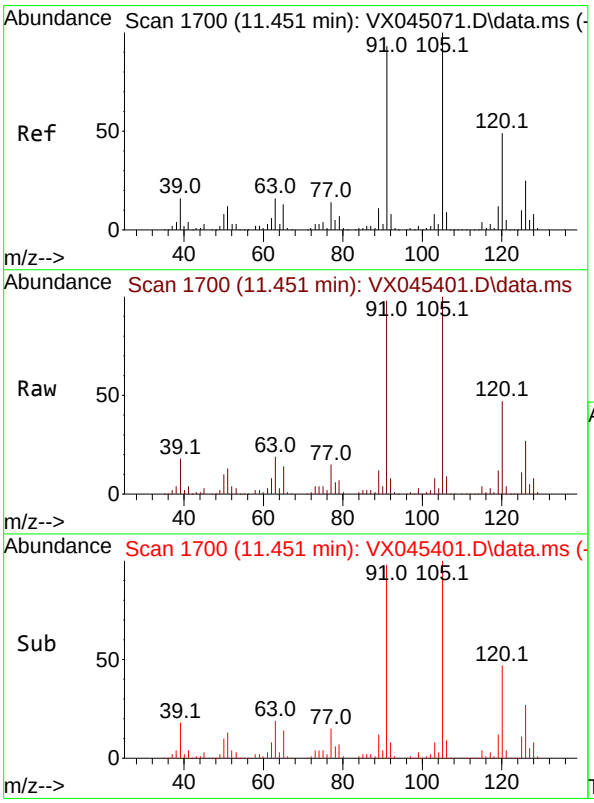
Ion	Ratio	Lower	Upper
91	100		
126	31.7	16.4	49.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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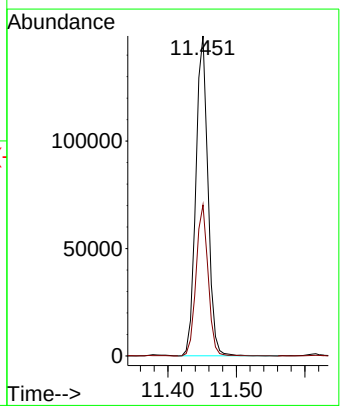
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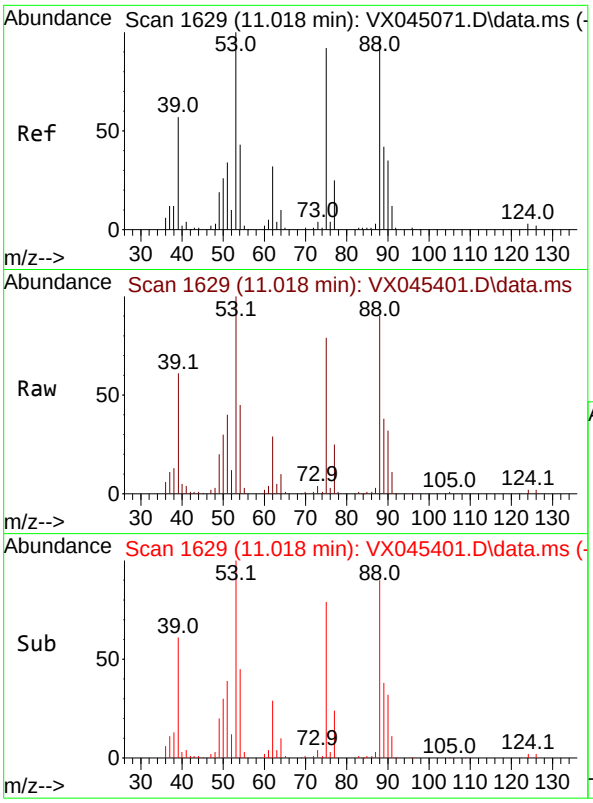


#80
1,3,5-Trimethylbenzene
Concen: 54.096 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion:105 Resp: 183136

Ion	Ratio	Lower	Upper
105	100		
120	47.0	24.1	72.2

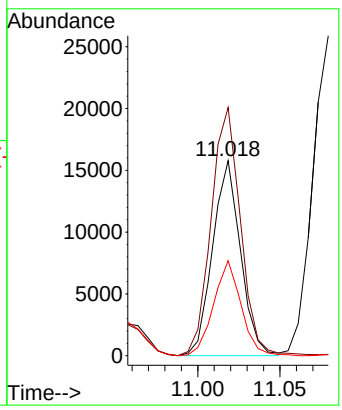




#81
trans-1,4-Dichloro-2-butene
Concen: 51.090 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion: 75 Resp: 1863

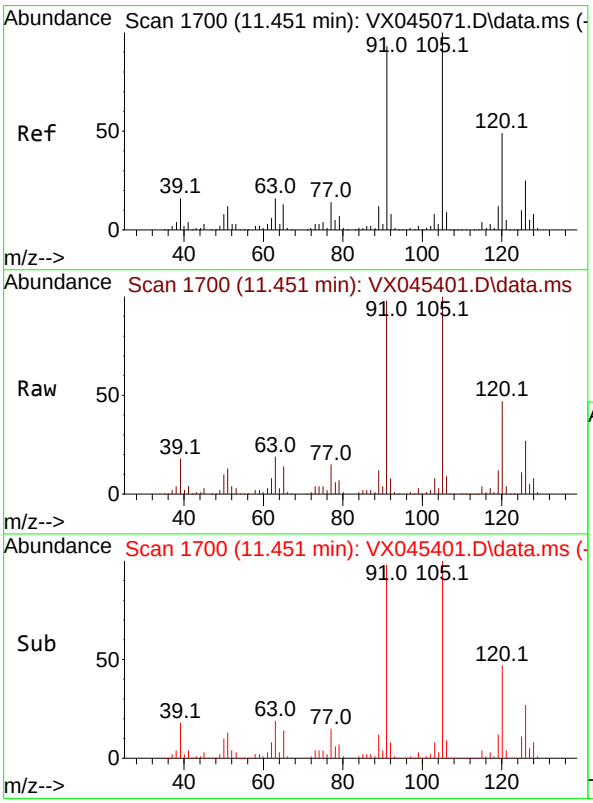
Ion	Ratio	Lower	Upper
75	100		
53	134.3	88.5	132.7
89	47.9	36.2	54.4



Instrument :
MSVOA_X
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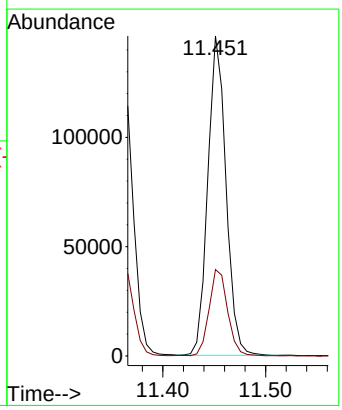
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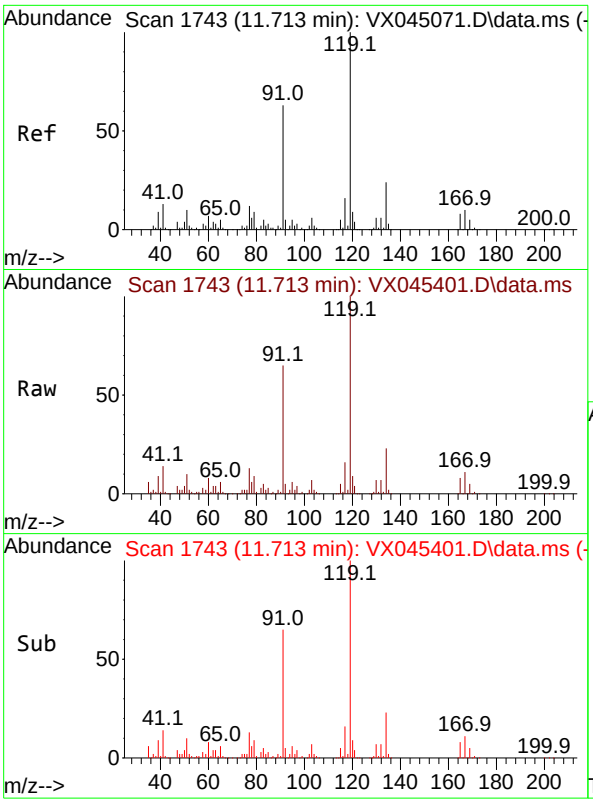


#82
4-Chlorotoluene
Concen: 54.654 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion: 91 Resp: 179417

Ion	Ratio	Lower	Upper
91	100		
126	27.8	14.1	42.4

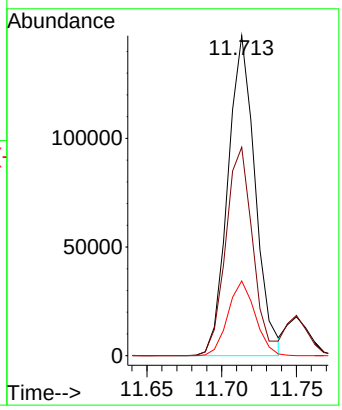




#83
tert-Butylbenzene
Concen: 53.572 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion:119 Resp: 18634

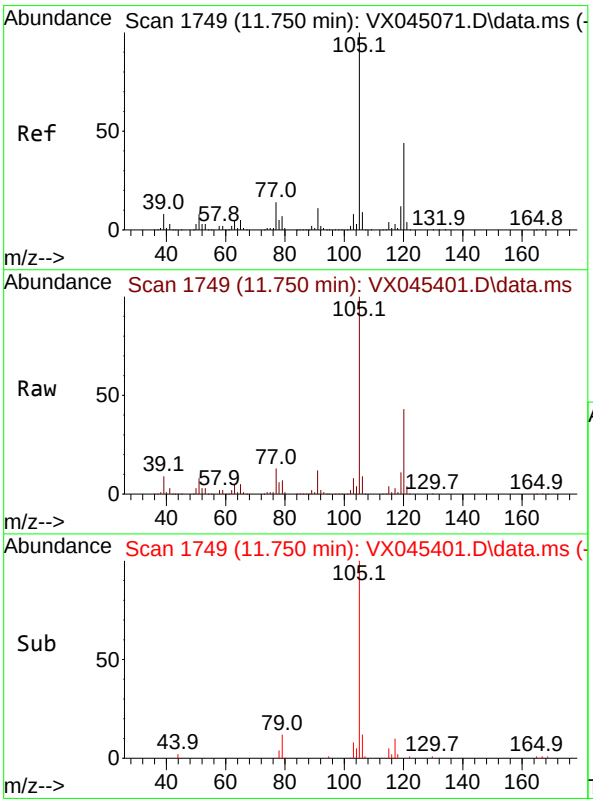
Ion	Ratio	Lower	Upper
119	100		
91	65.3	30.7	92.1
134	23.3	11.7	35.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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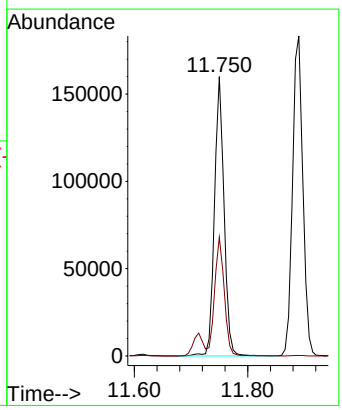
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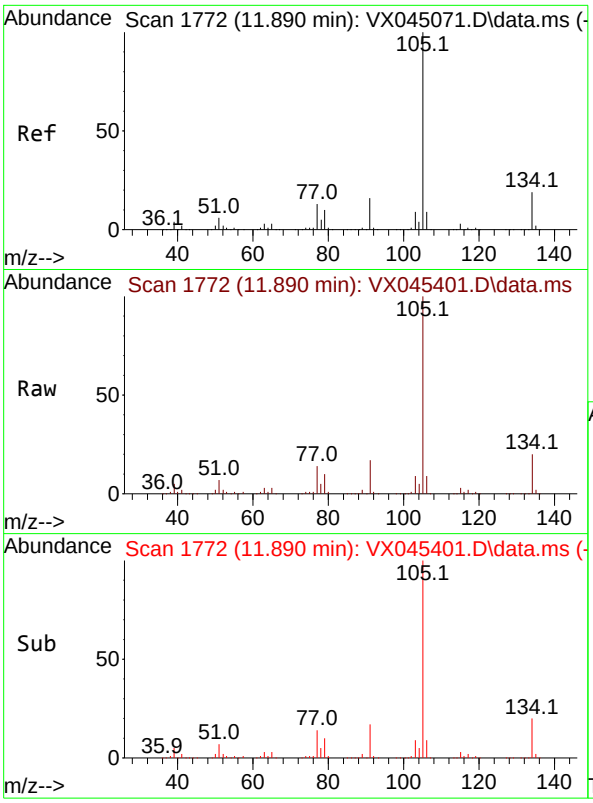


#84
1,2,4-Trimethylbenzene
Concen: 55.172 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion:105 Resp: 187934

Ion	Ratio	Lower	Upper
105	100		
120	43.0	22.1	66.1





#85
sec-Butylbenzene
Concen: 55.276 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

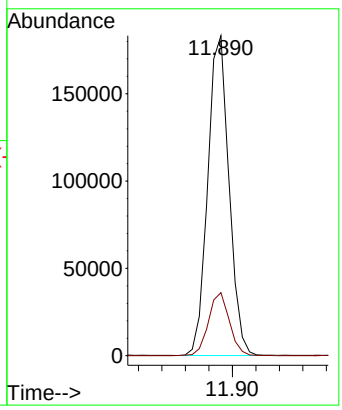
Tgt Ion:105 Resp: 23031

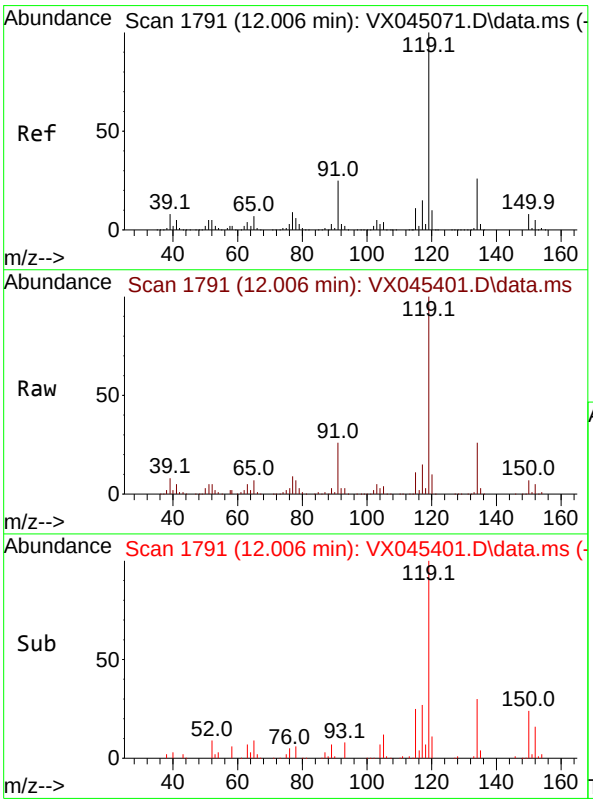
Ion	Ratio	Lower	Upper
105	100		
134	19.5	9.8	29.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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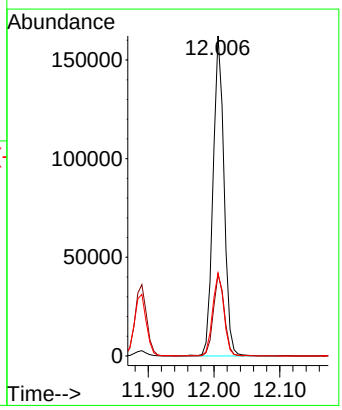


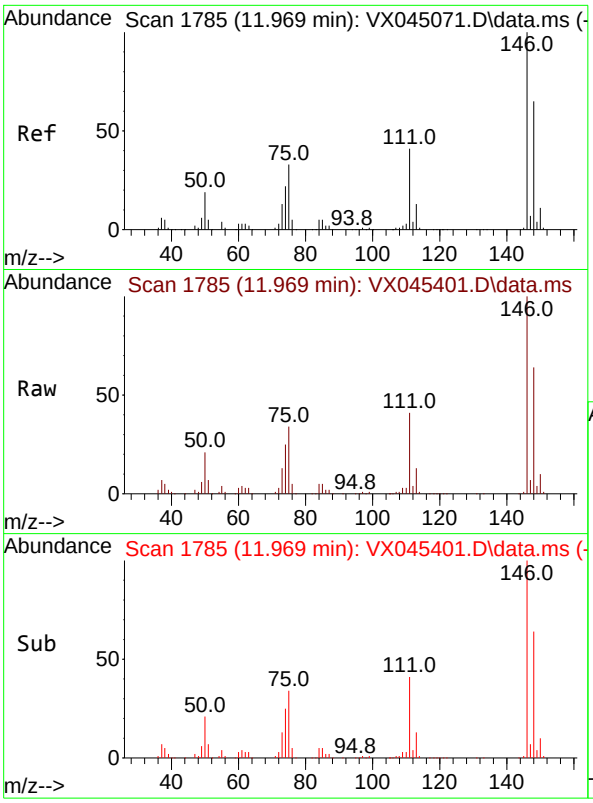


#86
p-Isopropyltoluene
Concen: 55.971 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion:119 Resp: 188467

Ion	Ratio	Lower	Upper
119	100		
134	25.4	12.9	38.6
91	26.5	12.7	38.0

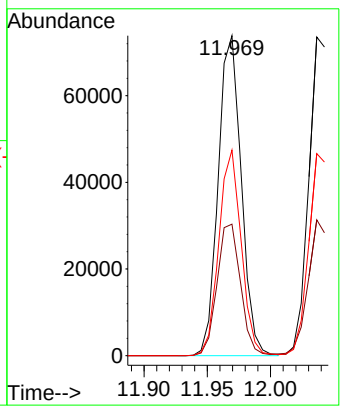




#87
1,3-Dichlorobenzene
Concen: 53.143 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion:146 Resp: 9365

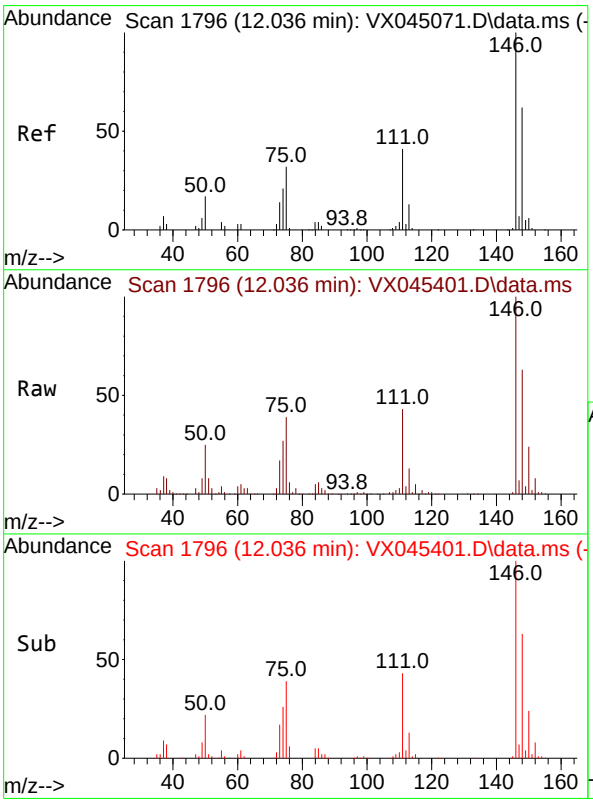
Ion	Ratio	Lower	Upper
146	100		
111	41.9	21.1	63.4
148	62.3	31.9	95.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

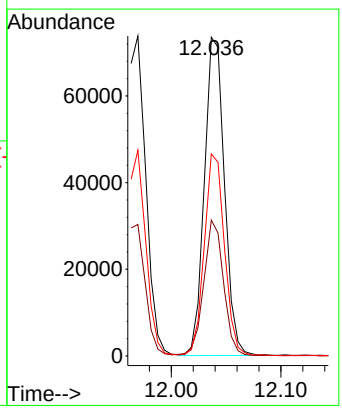
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

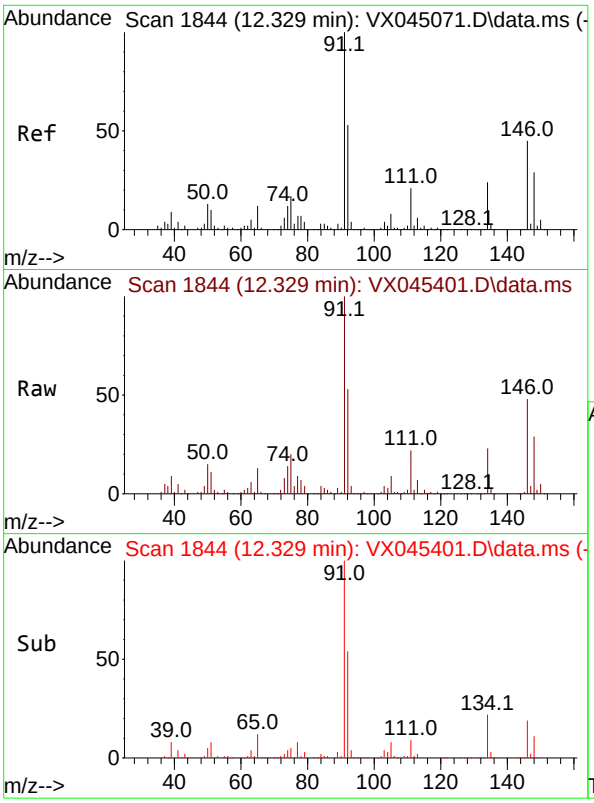


#88
1,4-Dichlorobenzene
Concen: 52.463 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion:146 Resp: 93536

Ion	Ratio	Lower	Upper
146	100		
111	42.0	20.2	60.5
148	64.0	31.9	95.9

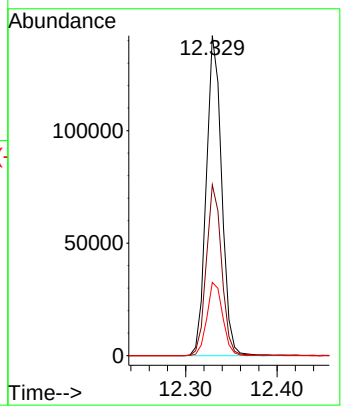




#89
n-Butylbenzene
Concen: 57.458 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion: 91 Resp: 16663

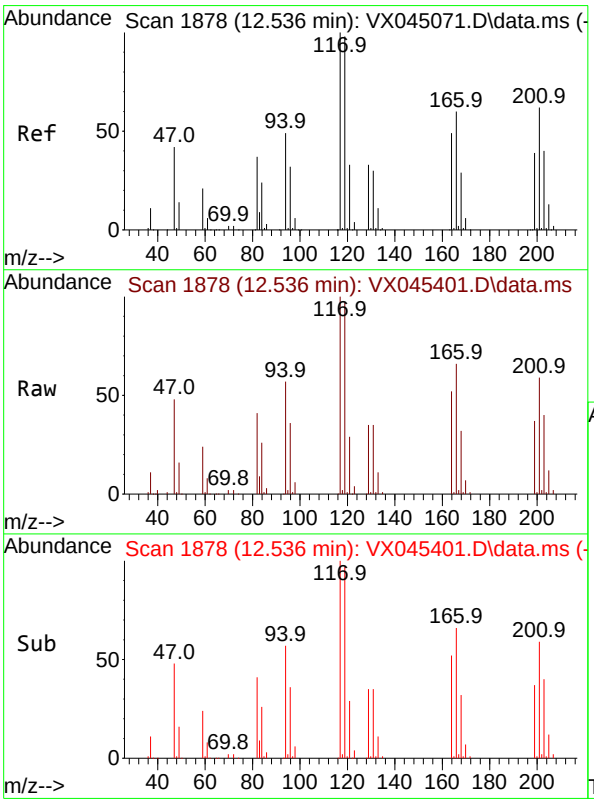
Ion	Ratio	Lower	Upper
91	100		
92	53.1	26.7	80.0
134	23.5	12.2	36.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

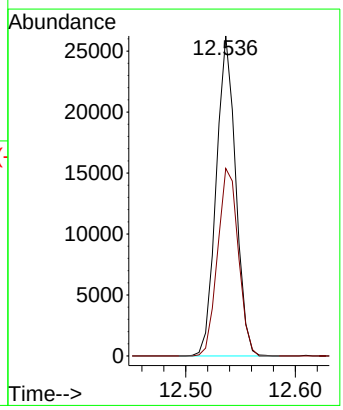
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

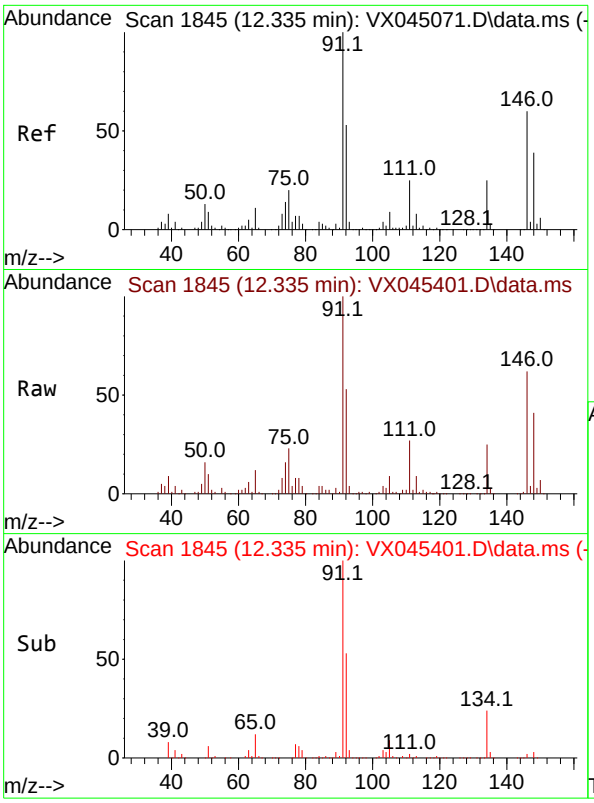


#90
Hexachloroethane
Concen: 53.118 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion:117 Resp: 32352

Ion	Ratio	Lower	Upper
117	100		
201	62.4	31.9	95.9

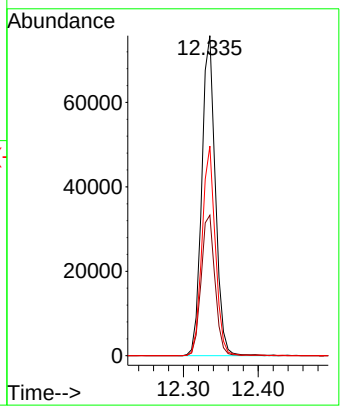




#91
1,2-Dichlorobenzene
Concen: 54.100 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion:146 Resp: 9563

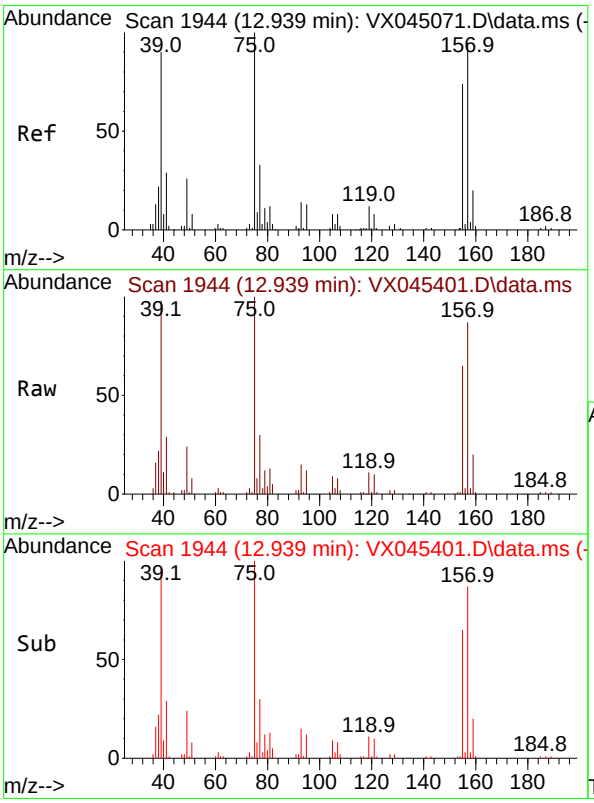
Ion	Ratio	Lower	Upper
146	100		
111	44.9	21.6	65.0
148	63.9	31.9	95.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

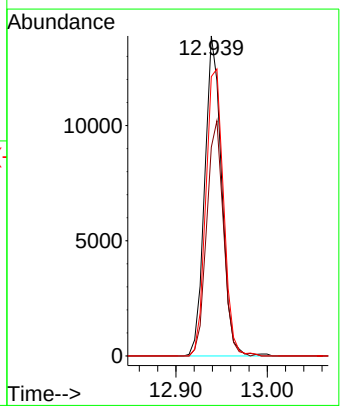
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

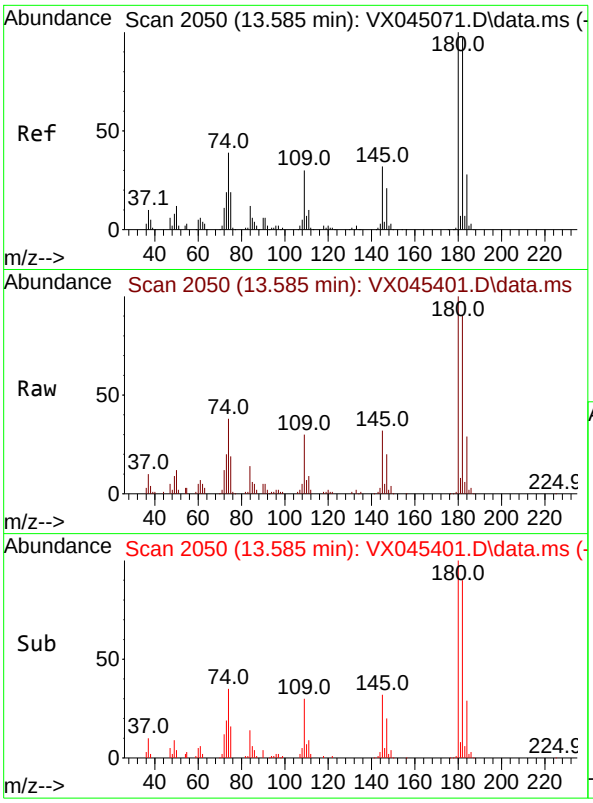


#92
1,2-Dibromo-3-Chloropropane
Concen: 59.571 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion: 75 Resp: 17831

Ion	Ratio	Lower	Upper
75	100		
155	72.9	39.6	118.7
157	93.6	51.1	153.4

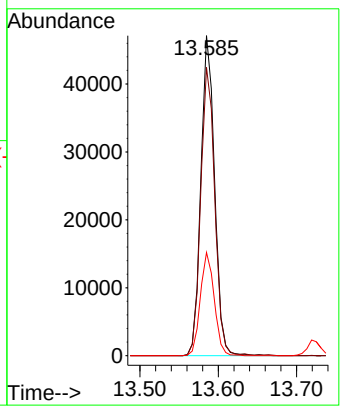




#93
1,2,4-Trichlorobenzene
Concen: 56.965 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion:180 Resp: 5734

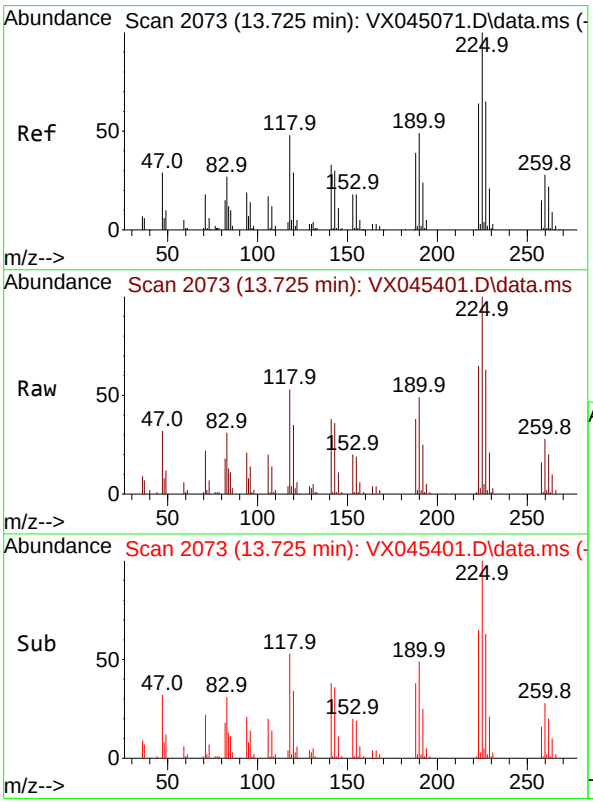
Ion	Ratio	Lower	Upper
180	100		
182	92.1	47.3	141.9
145	32.7	16.3	48.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

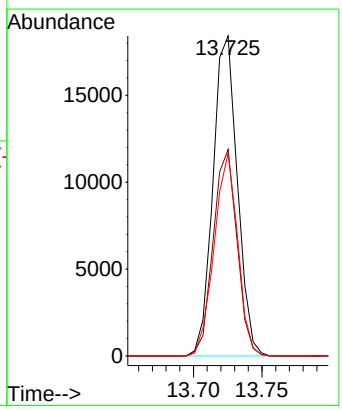
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

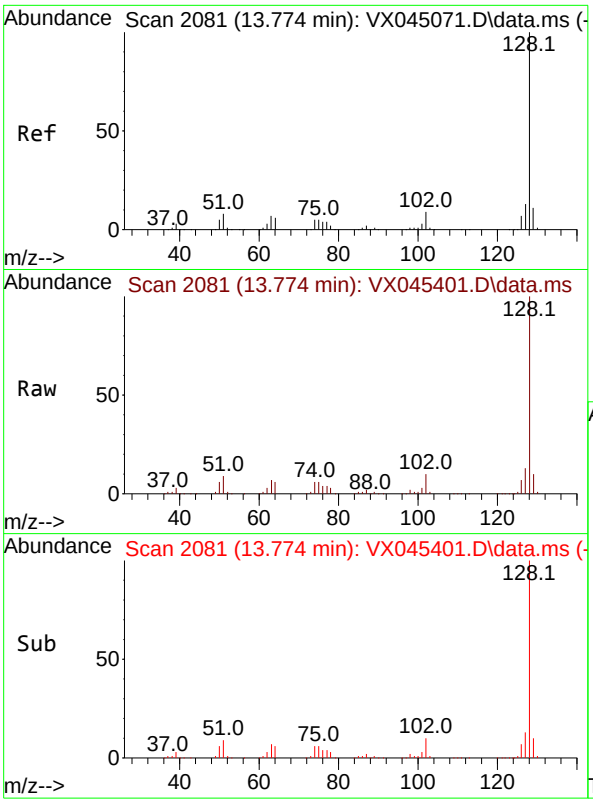


#94
Hexachlorobutadiene
Concen: 55.141 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion:225 Resp: 22756

Ion	Ratio	Lower	Upper
225	100		
223	62.9	31.9	95.7
227	61.1	31.4	94.0

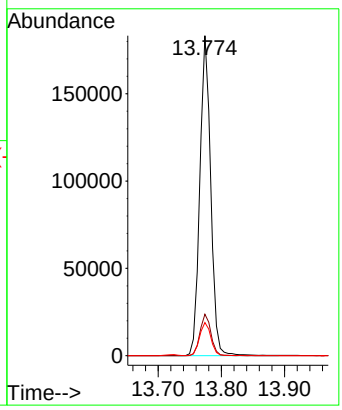




#95
Naphthalene
Concen: 56.787 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion:128 Resp: 21962

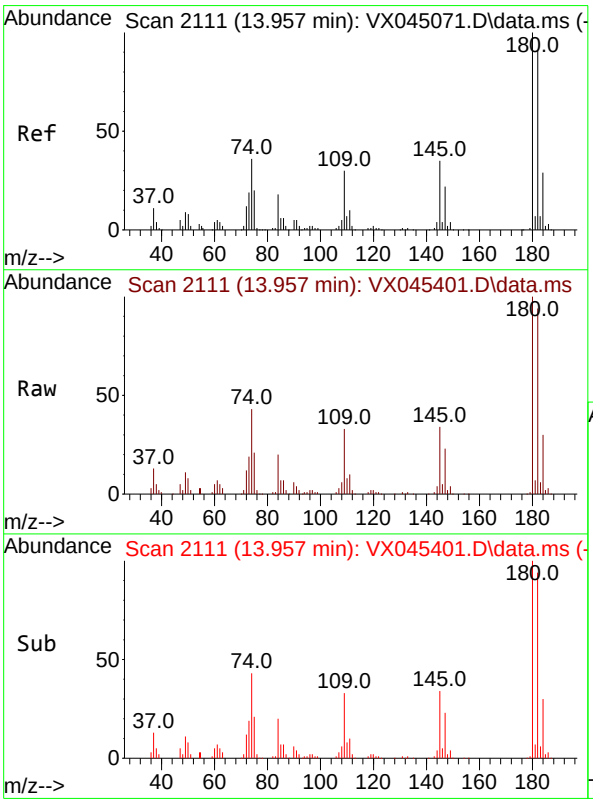
Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.3	15.5
129	10.7	8.7	13.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

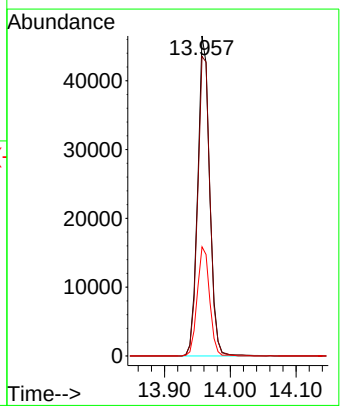
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025



#96
1,2,3-Trichlorobenzene
Concen: 55.183 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion:180 Resp: 58600

Ion	Ratio	Lower	Upper
180	100		
182	96.4	47.5	142.6
145	35.3	17.0	50.9



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032125\
Data File : VX045401.D
Acq On : 21 Mar 2025 20:41
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Mar 22 02:54:13 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	73	0.00
2	T	Dichlorodifluoromethane	0.629	0.594	5.6	69	0.00
3	P	Chloromethane	0.770	0.665	13.6	64	0.00
4	C	Vinyl Chloride	0.764	0.670	12.3#	64	0.00
5	T	Bromomethane	0.300	0.299	0.3	74	0.00
6	T	Chloroethane	0.352	0.318	9.7	62	0.00
7	T	Trichlorofluoromethane	1.011	1.001	1.0	69	0.00
8	T	Diethyl Ether	0.396	0.383	3.3	72	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.581	0.641	-10.3	78	0.00
10	T	Methyl Iodide	0.726	0.790	-8.8	74	0.00
11	T	Tert butyl alcohol	0.151	0.130	13.9	71	0.00
12	CM	1,1-Dichloroethene	0.614	0.617	-0.5#	72	0.00
13	T	Acrolein	0.174	0.174	0.0	73	0.00
14	T	Allyl chloride	1.094	1.208	-10.4	79	0.00
15	T	Acrylonitrile	0.404	0.437	-8.2	77	0.00
16	T	Acetone	0.369	0.402	-8.9	83	0.00
17	T	Carbon Disulfide	1.636	1.252	23.5	55	0.00
18	T	Methyl Acetate	0.888	1.318	-48.4#	110	0.00
19	T	Methyl tert-butyl Ether	2.061	2.356	-14.3	82	0.00
20	T	Methylene Chloride	0.731	0.756	-3.4	79	0.00
21	T	trans-1,2-Dichloroethene	0.607	0.628	-3.5	72	0.00
22	T	Diisopropyl ether	2.224	2.544	-14.4	80	0.00
23	T	Vinyl Acetate	1.856	2.099	-13.1	77	0.00
24	P	1,1-Dichloroethane	1.247	1.379	-10.6	81	0.00
25	T	2-Butanone	0.555	0.630	-13.5	79	0.00
26	T	2,2-Dichloropropane	0.585	0.812	-38.8#	99	0.00
27	T	cis-1,2-Dichloroethene	0.749	0.813	-8.5	77	0.00
28	T	Bromochloromethane	0.594	0.686	-15.5	82	0.00
29	T	Tetrahydrofuran	0.373	0.402	-7.8	78	0.00
30	C	Chloroform	1.239	1.447	-16.8#	84	0.00
31	T	Cyclohexane	1.082	1.047	3.2	69	0.00
32	T	1,1,1-Trichloroethane	1.000	1.146	-14.6	81	0.00
33	S	1,2-Dichloroethane-d4	0.795	0.875	-10.1	84	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	72	0.00
35	S	Dibromofluoromethane	0.334	0.358	-7.2	79	0.00
36	T	1,1-Dichloropropene	0.459	0.490	-6.8	76	0.00
37	T	Ethyl Acetate	0.591	0.646	-9.3	77	0.00
38	T	Carbon Tetrachloride	0.465	0.523	-12.5	81	0.00
39	T	Methylcyclohexane	0.549	0.568	-3.5	70	0.00
40	TM	Benzene	1.448	1.560	-7.7	75	0.00
41	T	Methacrylonitrile	0.319	0.383	-20.1	81	0.00
42	TM	1,2-Dichloroethane	0.521	0.643	-23.4	88	0.00
43	T	Isopropyl Acetate	0.874	1.006	-15.1	78	0.00
44	TM	Trichloroethene	0.340	0.363	-6.8	77	0.00
45	C	1,2-Dichloropropane	0.372	0.411	-10.5#	80	0.00
46	T	Dibromomethane	0.263	0.307	-16.7	83	0.00
47	T	Bromodichloromethane	0.516	0.610	-18.2	84	0.00
48	T	Methyl methacrylate	0.438	0.517	-18.0	81	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032125\
Data File : VX045401.D
Acq On : 21 Mar 2025 20:41
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Mar 22 02:54:13 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	70	0.00
50	S	Toluene-d8	1.212	1.198	1.2	72	0.00
51	T	4-Methyl-2-Pentanone	0.587	0.687	-17.0	81	0.00
52	CM	Toluene	0.849	0.935	-10.1#	75	0.00
53	T	t-1,3-Dichloropropene	0.431	0.511	-18.6	79	0.00
54	T	cis-1,3-Dichloropropene	0.503	0.587	-16.7	79	0.00
55	T	1,1,2-Trichloroethane	0.350	0.393	-12.3	80	0.00
56	T	Ethyl methacrylate	0.532	0.620	-16.5	79	0.00
57	T	1,3-Dichloropropane	0.605	0.680	-12.4	79	0.00
58	T	2-Chloroethyl Vinyl ether	0.259	0.340	-31.3#	87	0.00
59	T	2-Hexanone	0.425	0.501	-17.9	81	0.00
60	T	Dibromochloromethane	0.366	0.422	-15.3	80	0.00
61	T	1,2-Dibromoethane	0.349	0.397	-13.8	81	0.00
62	S	4-Bromofluorobenzene	0.402	0.422	-5.0	76	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	72	0.00
64	T	Tetrachloroethene	0.320	0.342	-6.9	76	0.00
65	PM	Chlorobenzene	1.058	1.142	-7.9	75	0.00
66	T	1,1,1,2-Tetrachloroethane	0.352	0.395	-12.2	79	0.00
67	C	Ethyl Benzene	1.843	2.065	-12.0#	76	0.00
68	T	m/p-Xylenes	0.675	0.755	-11.9	75	0.00
69	T	o-Xylene	0.681	0.735	-7.9	75	0.00
70	T	Styrene	1.101	1.256	-14.1	76	0.00
71	P	Bromoform	0.266	0.308	-15.8	80	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	75	0.00
73	T	Isopropylbenzene	3.903	4.244	-8.7	77	0.00
74	T	N-amyl acetate	1.831	2.059	-12.5	78	0.00
75	P	1,1,2,2-Tetrachloroethane	1.432	1.557	-8.7	83	0.00
76	T	1,2,3-Trichloropropane	1.164	1.274	-9.5	84	0.00
77	T	Bromobenzene	0.921	0.957	-3.9	77	0.00
78	T	n-propylbenzene	4.409	4.891	-10.9	77	0.00
79	T	2-Chlorotoluene	2.808	2.992	-6.6	78	0.00
80	T	1,3,5-Trimethylbenzene	3.156	3.414	-8.2	76	0.00
81	T	trans-1,4-Dichloro-2-butene	0.340	0.347	-2.1	77	0.00
82	T	4-Chlorotoluene	3.060	3.345	-9.3	78	0.00
83	T	tert-Butylbenzene	3.242	3.474	-7.2	77	0.00
84	T	1,2,4-Trimethylbenzene	3.175	3.504	-10.4	78	0.00
85	T	sec-Butylbenzene	3.884	4.294	-10.6	77	0.00
86	T	p-Isopropyltoluene	3.139	3.513	-11.9	77	0.00
87	T	1,3-Dichlorobenzene	1.643	1.746	-6.3	79	0.00
88	T	1,4-Dichlorobenzene	1.662	1.744	-4.9	78	0.00
89	T	n-Butylbenzene	2.703	3.107	-14.9	78	0.00
90	T	Hexachloroethane	0.568	0.603	-6.2	75	0.00
91	T	1,2-Dichlorobenzene	1.648	1.783	-8.2	80	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.279	0.332	-19.0	87	0.00
93	T	1,2,4-Trichlorobenzene	0.938	1.069	-14.0	80	0.00
94	T	Hexachlorobutadiene	0.385	0.424	-10.1	82	0.00
95	T	Naphthalene	3.605	4.094	-13.6	79	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032125\
Data File : VX045401.D
Acq On : 21 Mar 2025 20:41
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Mar 22 02:54:13 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	1.092	-10.3	78	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032125\
Data File : VX045401.D
Acq On : 21 Mar 2025 20:41
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Mar 22 02:54:13 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	73	0.00
2	T	Dichlorodifluoromethane	50.000	47.221	5.6	69	0.00
3	P	Chloromethane	50.000	43.198	13.6	64	0.00
4	C	Vinyl Chloride	50.000	43.831	12.3#	64	0.00
5	T	Bromomethane	50.000	49.692	0.6	74	0.00
6	T	Chloroethane	50.000	45.116	9.8	62	0.00
7	T	Trichlorofluoromethane	50.000	49.505	1.0	69	0.00
8	T	Diethyl Ether	50.000	48.412	3.2	72	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	55.132	-10.3	78	0.00
10	T	Methyl Iodide	50.000	54.375	-8.8	74	0.00
11	T	Tert butyl alcohol	250.000	216.377	13.4	71	0.00
12	CM	1,1-Dichloroethene	50.000	50.239	-0.5#	72	0.00
13	T	Acrolein	250.000	249.782	0.1	73	0.00
14	T	Allyl chloride	50.000	55.217	-10.4	79	0.00
15	T	Acrylonitrile	250.000	270.857	-8.3	77	0.00
16	T	Acetone	250.000	272.633	-9.1	83	0.00
17	T	Carbon Disulfide	50.000	38.262	23.5	55	0.00
18	T	Methyl Acetate	50.000	74.217	-48.4#	110	0.00
19	T	Methyl tert-butyl Ether	50.000	57.141	-14.3	82	0.00
20	T	Methylene Chloride	50.000	51.722	-3.4	79	0.00
21	T	trans-1,2-Dichloroethene	50.000	51.770	-3.5	72	0.00
22	T	Diisopropyl ether	50.000	57.185	-14.4	80	0.00
23	T	Vinyl Acetate	250.000	282.670	-13.1	77	0.00
24	P	1,1-Dichloroethane	50.000	55.318	-10.6	81	0.00
25	T	2-Butanone	250.000	283.702	-13.5	79	0.00
26	T	2,2-Dichloropropane	50.000	69.398	-38.8#	99	0.00
27	T	cis-1,2-Dichloroethene	50.000	54.229	-8.5	77	0.00
28	T	Bromochloromethane	50.000	57.732	-15.5	82	0.00
29	T	Tetrahydrofuran	250.000	269.265	-7.7	78	0.00
30	C	Chloroform	50.000	58.430	-16.9#	84	0.00
31	T	Cyclohexane	50.000	48.368	3.3	69	0.00
32	T	1,1,1-Trichloroethane	50.000	57.268	-14.5	81	0.00
33	S	1,2-Dichloroethane-d4	50.000	54.980	-10.0	84	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	72	0.00
35	S	Dibromofluoromethane	50.000	53.497	-7.0	79	0.00
36	T	1,1-Dichloropropene	50.000	53.446	-6.9	76	0.00
37	T	Ethyl Acetate	50.000	54.690	-9.4	77	0.00
38	T	Carbon Tetrachloride	50.000	56.138	-12.3	81	0.00
39	T	Methylcyclohexane	50.000	51.725	-3.5	70	0.00
40	TM	Benzene	50.000	53.866	-7.7	75	0.00
41	T	Methacrylonitrile	50.000	59.981	-20.0	81	0.00
42	TM	1,2-Dichloroethane	50.000	61.661	-23.3	88	0.00
43	T	Isopropyl Acetate	50.000	57.582	-15.2	78	0.00
44	TM	Trichloroethene	50.000	53.459	-6.9	77	0.00
45	C	1,2-Dichloropropane	50.000	55.246	-10.5#	80	0.00
46	T	Dibromomethane	50.000	58.374	-16.7	83	0.00
47	T	Bromodichloromethane	50.000	59.068	-18.1	84	0.00
48	T	Methyl methacrylate	50.000	58.949	-17.9	81	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032125\
Data File : VX045401.D
Acq On : 21 Mar 2025 20:41
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Mar 22 02:54:13 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	985.741	1.4	70	0.00
50	S	Toluene-d8	50.000	49.417	1.2	72	0.00
51	T	4-Methyl-2-Pentanone	250.000	292.590	-17.0	81	0.00
52	CM	Toluene	50.000	55.048	-10.1#	75	0.00
53	T	t-1,3-Dichloropropene	50.000	59.170	-18.3	79	0.00
54	T	cis-1,3-Dichloropropene	50.000	58.304	-16.6	79	0.00
55	T	1,1,2-Trichloroethane	50.000	56.131	-12.3	80	0.00
56	T	Ethyl methacrylate	50.000	58.321	-16.6	79	0.00
57	T	1,3-Dichloropropane	50.000	56.184	-12.4	79	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	327.394	-31.0#	87	0.00
59	T	2-Hexanone	250.000	294.834	-17.9	81	0.00
60	T	Dibromochloromethane	50.000	57.765	-15.5	80	0.00
61	T	1,2-Dibromoethane	50.000	56.890	-13.8	81	0.00
62	S	4-Bromofluorobenzene	50.000	52.550	-5.1	76	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	72	0.00
64	T	Tetrachloroethene	50.000	53.474	-6.9	76	0.00
65	PM	Chlorobenzene	50.000	53.968	-7.9	75	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	56.016	-12.0	79	0.00
67	C	Ethyl Benzene	50.000	56.012	-12.0#	76	0.00
68	T	m/p-Xylenes	100.000	111.853	-11.9	75	0.00
69	T	o-Xylene	50.000	54.016	-8.0	75	0.00
70	T	Styrene	50.000	57.041	-14.1	76	0.00
71	P	Bromoform	50.000	57.963	-15.9	80	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	75	0.00
73	T	Isopropylbenzene	50.000	54.369	-8.7	77	0.00
74	T	N-amyl acetate	50.000	56.217	-12.4	78	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	54.359	-8.7	83	0.00
76	T	1,2,3-Trichloropropane	50.000	54.751	-9.5	84	0.00
77	T	Bromobenzene	50.000	51.964	-3.9	77	0.00
78	T	n-propylbenzene	50.000	55.477	-11.0	77	0.00
79	T	2-Chlorotoluene	50.000	53.282	-6.6	78	0.00
80	T	1,3,5-Trimethylbenzene	50.000	54.096	-8.2	76	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	51.090	-2.2	77	0.00
82	T	4-Chlorotoluene	50.000	54.654	-9.3	78	0.00
83	T	tert-Butylbenzene	50.000	53.572	-7.1	77	0.00
84	T	1,2,4-Trimethylbenzene	50.000	55.172	-10.3	78	0.00
85	T	sec-Butylbenzene	50.000	55.276	-10.6	77	0.00
86	T	p-Isopropyltoluene	50.000	55.971	-11.9	77	0.00
87	T	1,3-Dichlorobenzene	50.000	53.143	-6.3	79	0.00
88	T	1,4-Dichlorobenzene	50.000	52.463	-4.9	78	0.00
89	T	n-Butylbenzene	50.000	57.458	-14.9	78	0.00
90	T	Hexachloroethane	50.000	53.118	-6.2	75	0.00
91	T	1,2-Dichlorobenzene	50.000	54.100	-8.2	80	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	59.571	-19.1	87	0.00
93	T	1,2,4-Trichlorobenzene	50.000	56.965	-13.9	80	0.00
94	T	Hexachlorobutadiene	50.000	55.141	-10.3	82	0.00
95	T	Naphthalene	50.000	56.787	-13.6	79	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032125\
Data File : VX045401.D
Acq On : 21 Mar 2025 20:41
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Mar 22 02:54:13 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	55.183	-10.4	78	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.: Q1608 SAS No.: Q1608 SDG No.: Q1608

Instrument ID: MSVOA_X Calibration Date/Time: 03/24/2025 10:26

Lab File ID: VX045403.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	0.636		1.11	20
Chloromethane	0.770	0.634	0.1	-17.66	20
Vinyl Chloride	0.764	0.640		-16.23	20
Bromomethane	0.300	0.286		-4.67	20
Chloroethane	0.352	0.365		3.69	20
Trichlorofluoromethane	1.012	1.008		-0.4	20
1,1,2-Trichlorotrifluoroethane	0.581	0.678		16.69	20
1,1-Dichloroethene	0.614	0.616		0.33	20
Acetone	0.369	0.381		3.25	20
Carbon Disulfide	1.636	1.320		-19.32	20
Methyl tert-butyl Ether	2.061	2.217		7.57	20
Methyl Acetate	0.888	1.241		39.75	20
Methylene Chloride	0.731	0.714		-2.33	20
trans-1,2-Dichloroethene	0.607	0.605		-0.33	20
1,1-Dichloroethane	1.247	1.322	0.1	6.01	20
Cyclohexane	1.082	1.060		-2.03	20
2-Butanone	0.555	0.595		7.21	20
Carbon Tetrachloride	0.465	0.542		16.56	20
cis-1,2-Dichloroethene	0.749	0.780		4.14	20
Bromochloromethane	0.594	0.548		-7.74	20
Chloroform	1.239	1.334		7.67	20
1,1,1-Trichloroethane	1.000	1.117		11.7	20
Methylcyclohexane	0.549	0.606		10.38	20
Benzene	1.448	1.518		4.83	20
1,2-Dichloroethane	0.521	0.606		16.32	20
Trichloroethene	0.340	0.357		5	20
1,2-Dichloropropane	0.372	0.397		6.72	20
Bromodichloromethane	0.516	0.598		15.89	20
4-Methyl-2-Pentanone	0.587	0.651		10.9	20
Toluene	0.849	0.904		6.48	20
t-1,3-Dichloropropene	0.431	0.523		21.35	20
cis-1,3-Dichloropropene	0.503	0.602		19.68	20
1,1,2-Trichloroethane	0.350	0.377		7.71	20
2-Hexanone	0.425	0.471		10.82	20
Dibromochloromethane	0.366	0.428		16.94	20
1,2-Dibromoethane	0.349	0.377		7.74	20
Tetrachloroethene	0.320	0.360		12.5	20
Chlorobenzene	1.058	1.143	0.3	8.03	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: Q1608 SAS No.: Q1608 SDG No.: Q1608

Instrument ID: MSVOA_X Calibration Date/Time: 03/24/2025 10:26

Lab File ID: VX045403.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	2.069		12.26	20
m/p-Xylenes	0.675	0.738		9.33	20
o-Xylene	0.681	0.734		7.78	20
Styrene	1.101	1.221		10.9	20
Bromoform	0.266	0.314	0.1	18.05	20
Isopropylbenzene	3.903	4.387		12.4	20
1,1,2,2-Tetrachloroethane	1.432	1.492	0.3	4.19	20
1,3-Dichlorobenzene	1.643	1.767		7.55	20
1,4-Dichlorobenzene	1.662	1.742		4.81	20
1,2-Dichlorobenzene	1.648	1.762		6.92	20
1,2-Dibromo-3-Chloropropane	0.279	0.327		17.2	20
1,2,4-Trichlorobenzene	0.938	1.073		14.39	20
1,2,3-Trichlorobenzene	0.990	1.103		11.41	20
1,2-Dichloroethane-d4	0.795	0.765		-3.77	20
Dibromofluoromethane	0.334	0.330		-1.2	20
Toluene-d8	1.212	1.102		-9.08	20
4-Bromofluorobenzene	0.402	0.384		-4.48	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\VX032425\
Data File : VX045403.D
Acq On : 24 Mar 2025 10:26
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 25 01:28:16 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

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 03/25/2025
Supervised By :Mahesh Dadoda 03/25/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	98391	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	170340	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	144708	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	64628	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	75306	48.117	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 96.240%			
35) Dibromofluoromethane	5.379	113	56135	49.284	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.560%			
50) Toluene-d8	8.647	98	187729	45.462	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 90.920%			
62) 4-Bromofluorobenzene	11.079	95	65383	47.783	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 95.560%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	62625	50.565	ug/l	96
3) Chloromethane	1.307	50	62418	41.182	ug/l	98
4) Vinyl Chloride	1.374	62	62972	41.882	ug/l	95
5) Bromomethane	1.593	94	28155	47.634	ug/l	99
6) Chloroethane	1.666	64	35892	51.753	ug/l	98
7) Trichlorofluoromethane	1.874	101	99188	49.832	ug/l	98
8) Diethyl Ether	2.130	74	35100	45.084	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.319	101	66712	58.338	ug/l	99
10) Methyl Iodide	2.441	142	74307	51.996	ug/l	94
11) Tert butyl alcohol	2.977	59	71702	241.872	ug/l	98
12) 1,1-Dichloroethene	2.306	96	60615	50.136	ug/l	92
13) Acrolein	2.233	56	111943	326.666	ug/l	100
14) Allyl chloride	2.654	41	116693	54.223	ug/l	95
15) Acrylonitrile	3.062	53	206556	259.979	ug/l	99
16) Acetone	2.386	43	187392	258.067	ug/l	99
17) Carbon Disulfide	2.502	76	129889	40.336	ug/l	98
18) Methyl Acetate	2.703	43	122057	69.873	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	218127	53.776	ug/l	98
20) Methylene Chloride	2.782	84	70296	48.871	ug/l	99
21) trans-1,2-Dichloroethene	3.087	96	59539	49.847	ug/l	96
22) Diisopropyl ether	3.757	45	234378	53.549	ug/l	92
23) Vinyl Acetate	3.715	43	964923	264.180	ug/l	99
24) 1,1-Dichloroethane	3.599	63	130048	53.017	ug/l	99
25) 2-Butanone	4.556	43	292735	267.823	ug/l	98
26) 2,2-Dichloropropane	4.465	77	94481	82.118	ug/l	95
27) cis-1,2-Dichloroethene	4.477	96	76700	52.019	ug/l	94
28) Bromochloromethane	4.891	49	53919	46.117	ug/l	99
29) Tetrahydrofuran	5.001	42	183356	249.799	ug/l	99
30) Chloroform	5.086	83	131250	53.851	ug/l	100
31) Cyclohexane	5.458	56	104318	48.992	ug/l	98
32) 1,1,1-Trichloroethane	5.379	97	109872	55.816	ug/l	99
36) 1,1-Dichloropropene	5.684	75	82702	52.945	ug/l	99
37) Ethyl Acetate	4.708	43	107097	53.208	ug/l	98
38) Carbon Tetrachloride	5.666	117	92357	58.238	ug/l	99
39) Methylcyclohexane	7.373	83	103251	55.164	ug/l	95
40) Benzene	6.031	78	258600	52.427	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032425\
Data File : VX045403.D
Acq On : 24 Mar 2025 10:26
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 25 01:28:16 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

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 03/25/2025
Supervised By :Mahesh Dadoda 03/25/2025

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	4.916	41	63126	58.001 ug/l		99
42) 1,2-Dichloroethane	6.080	62	103184	58.092 ug/l		97
43) Isopropyl Acetate	6.336	43	169827	57.059 ug/l		98
44) Trichloroethene	7.123	130	60771	52.469 ug/l		99
45) 1,2-Dichloropropane	7.421	63	67603	53.305 ug/l		98
46) Dibromomethane	7.580	93	50529	56.369 ug/l		97
47) Bromodichloromethane	7.818	83	101926	57.970 ug/l		99
48) Methyl methacrylate	7.690	41	84700	56.723 ug/l		95
49) 1,4-Dioxane	7.659	88	29575	938.957 ug/l		94
51) 4-Methyl-2-Pentanone	8.574	43	554783	277.605 ug/l		99
52) Toluene	8.714	92	153991	53.210 ug/l		99
53) t-1,3-Dichloropropene	8.976	75	89057	60.587 ug/l		100
54) cis-1,3-Dichloropropene	8.360	75	102470	59.782 ug/l		93
55) 1,1,2-Trichloroethane	9.147	97	64187	53.875 ug/l		97
56) Ethyl methacrylate	9.116	69	101110	55.830 ug/l		94
57) 1,3-Dichloropropane	9.305	76	109349	53.035 ug/l		99
58) 2-Chloroethyl Vinyl ether	8.238	63	252770	286.123 ug/l		99
59) 2-Hexanone	9.427	43	400903	276.873 ug/l		99
60) Dibromochloromethane	9.519	129	72850	58.480 ug/l		99
61) 1,2-Dibromoethane	9.604	107	64133	53.921 ug/l		99
64) Tetrachloroethene	9.269	164	52101	56.216 ug/l		98
65) Chlorobenzene	10.079	112	165385	54.012 ug/l		100
66) 1,1,1,2-Tetrachloroethane	10.159	131	59131	57.988 ug/l		96
67) Ethyl Benzene	10.189	91	299330	56.103 ug/l		99
68) m/p-Xylenes	10.299	106	213687	109.407 ug/l		96
69) o-Xylene	10.640	106	106263	53.945 ug/l		97
70) Styrene	10.653	104	176650	55.422 ug/l		97
71) Bromoform	10.799	173	45434	59.086 ug/l	#	98
73) Isopropylbenzene	10.957	105	283497	56.200 ug/l		99
74) N-amyl acetate	10.842	43	132802	56.106 ug/l		98
75) 1,1,2,2-Tetrachloroethane	11.207	83	96450	52.104 ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	82277m	54.697 ug/l		
77) Bromobenzene	11.195	156	62802	52.766 ug/l		96
78) n-propylbenzene	11.299	91	330384	57.979 ug/l		99
79) 2-Chlorotoluene	11.360	91	194929	53.714 ug/l		100
80) 1,3,5-Trimethylbenzene	11.451	105	229097	56.168 ug/l		98
81) trans-1,4-Dichloro-2-b...	11.018	75	27106	61.668 ug/l		94
82) 4-Chlorotoluene	11.451	91	221752	56.066 ug/l		99
83) tert-Butylbenzene	11.713	119	233086	55.618 ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	231302	56.359 ug/l		97
85) sec-Butylbenzene	11.890	105	292270	58.220 ug/l		100
86) p-Isopropyltoluene	12.006	119	238364	58.755 ug/l		98
87) 1,3-Dichlorobenzene	11.969	146	114188	53.780 ug/l		99
88) 1,4-Dichlorobenzene	12.036	146	112591	52.415 ug/l		99
89) n-Butylbenzene	12.329	91	214146	61.287 ug/l		99
90) Hexachloroethane	12.536	117	42701	58.191 ug/l		97
91) 1,2-Dichlorobenzene	12.335	146	113894	53.474 ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	21135	58.606 ug/l		91
93) 1,2,4-Trichlorobenzene	13.585	180	69323	57.160 ug/l		99
94) Hexachlorobutadiene	13.725	225	29635	59.602 ug/l		98
95) Naphthalene	13.774	128	254316	54.579 ug/l		100
96) 1,2,3-Trichlorobenzene	13.963	180	71277	55.710 ug/l		98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032425\
Data File : VX045403.D
Acq On : 24 Mar 2025 10:26
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 25 01:28:16 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

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 03/25/2025
Supervised By :Mahesh Dadoda 03/25/2025

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

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

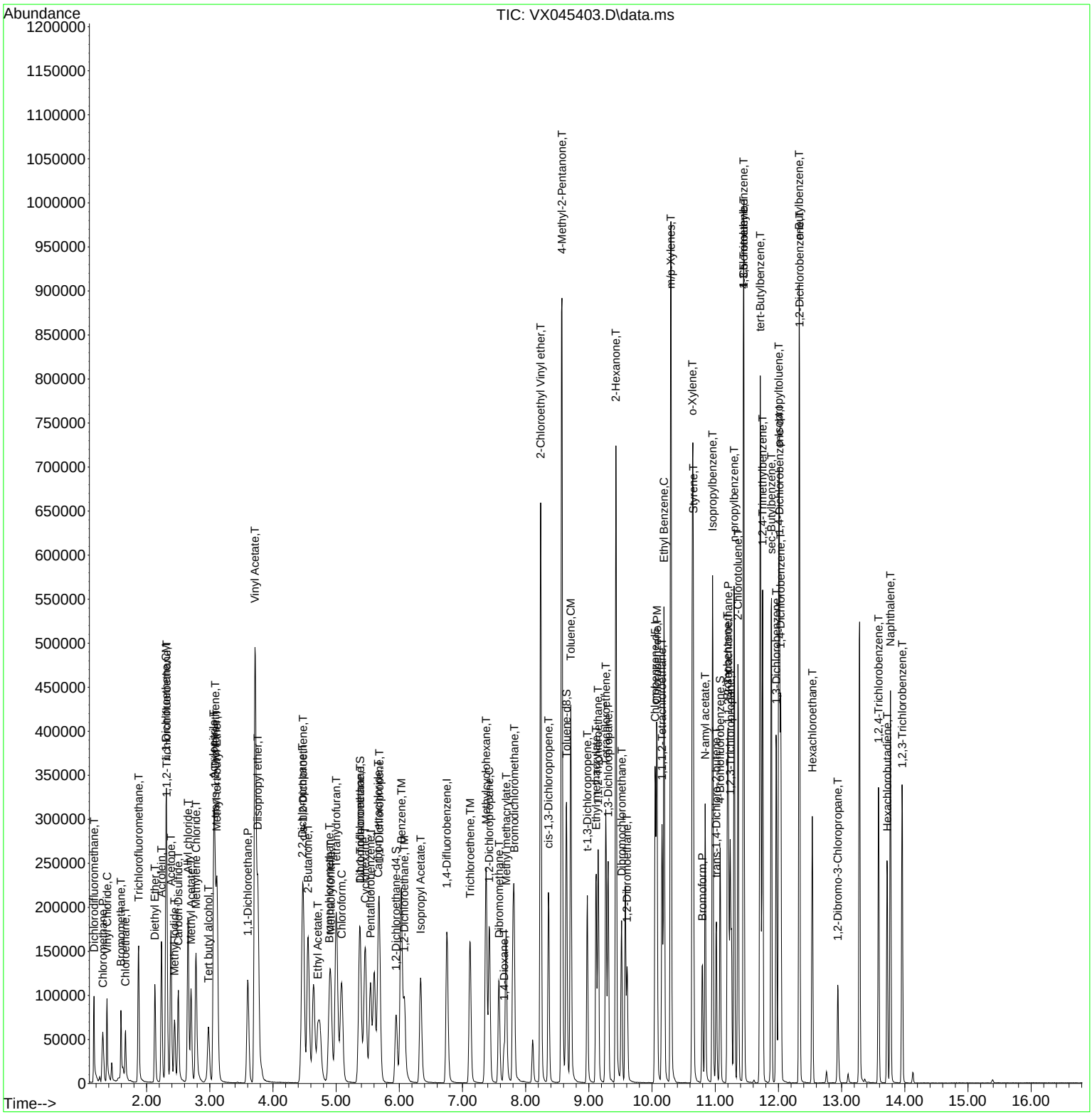
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Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

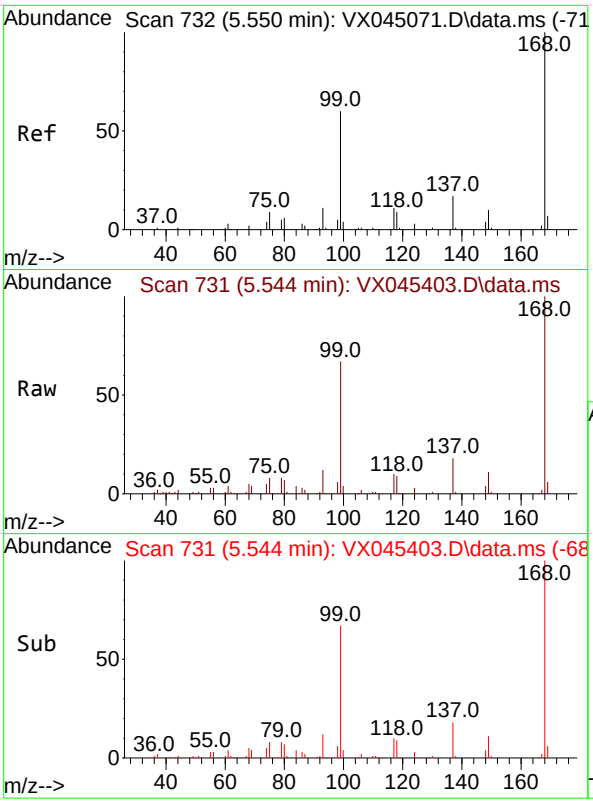
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Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 03/25/2025
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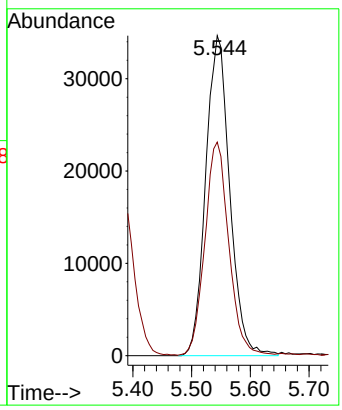




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045403.D
Acq: 24 Mar 2025 10:26

Tgt Ion:168 Resp: 9839

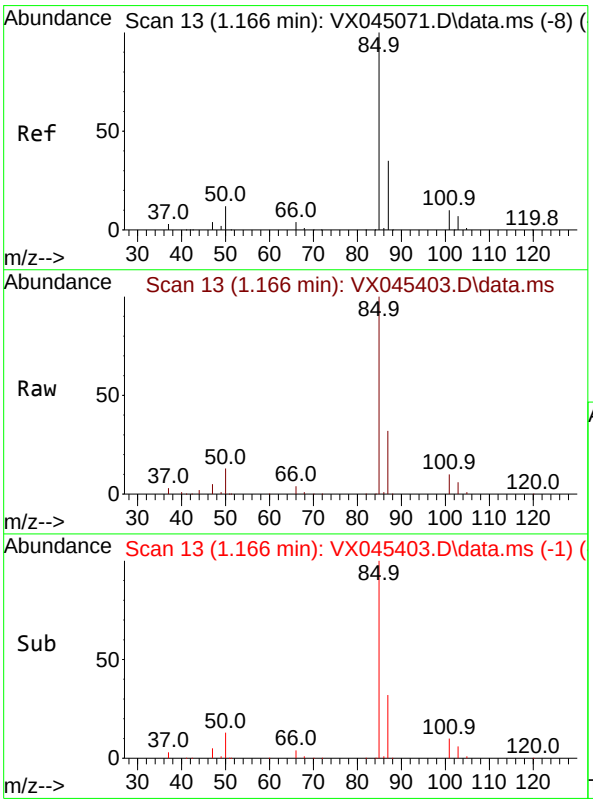
Ion	Ratio	Lower	Upper
168	100		
99	66.6	48.2	72.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

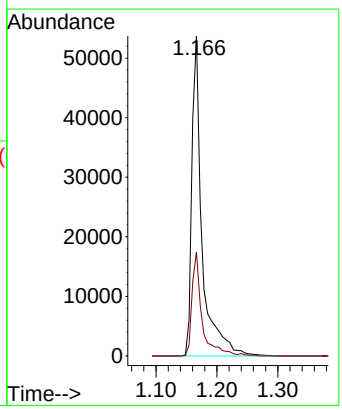
Reviewed By :John Carlone 03/25/2025
Supervised By :Mahesh Dadoda 03/25/2025

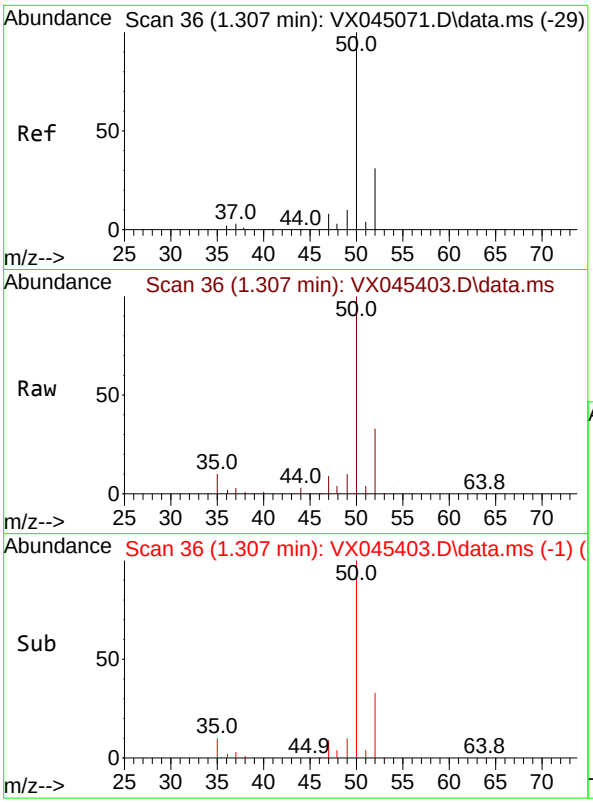


#2
Dichlorodifluoromethane
Concen: 50.565 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX045403.D
Acq: 24 Mar 2025 10:26

Tgt Ion: 85 Resp: 62625

Ion	Ratio	Lower	Upper
85	100		
87	32.5	17.4	52.3





#3
Chloromethane
Concen: 41.182 ug/l
RT: 1.307 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045403.D
Acq: 24 Mar 2025 10:26

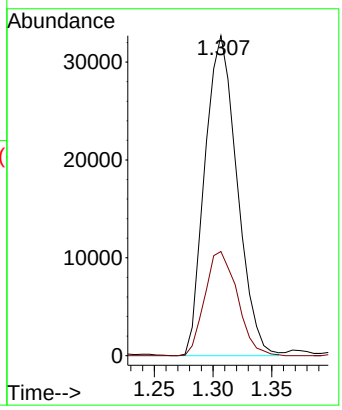
Tgt Ion: 50 Resp: 6241

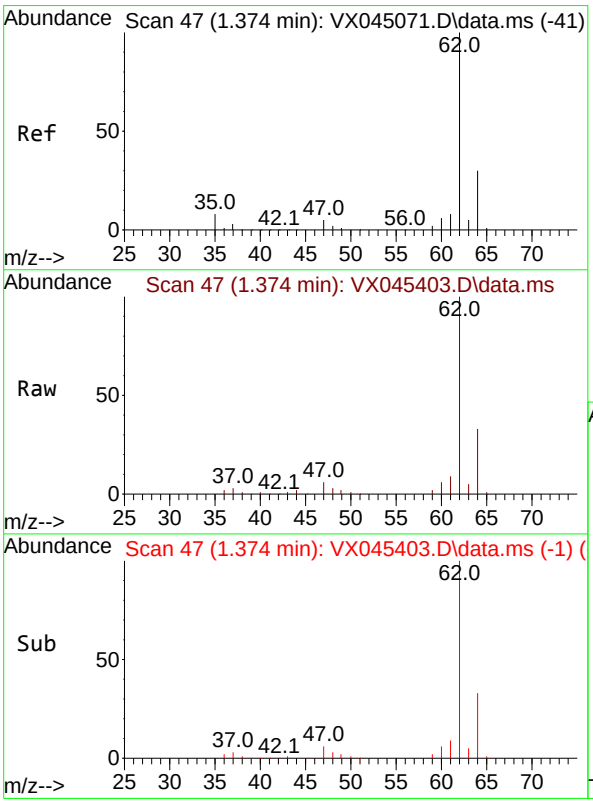
Ion	Ratio	Lower	Upper
50	100		
52	32.6	25.0	37.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/25/2025
Supervised By :Mahesh Dadoda 03/25/2025

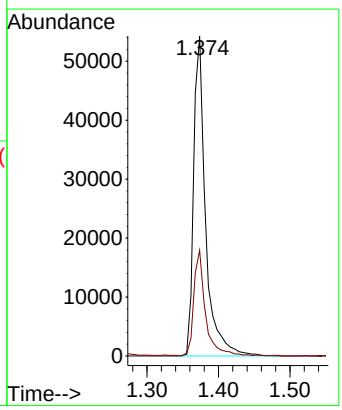


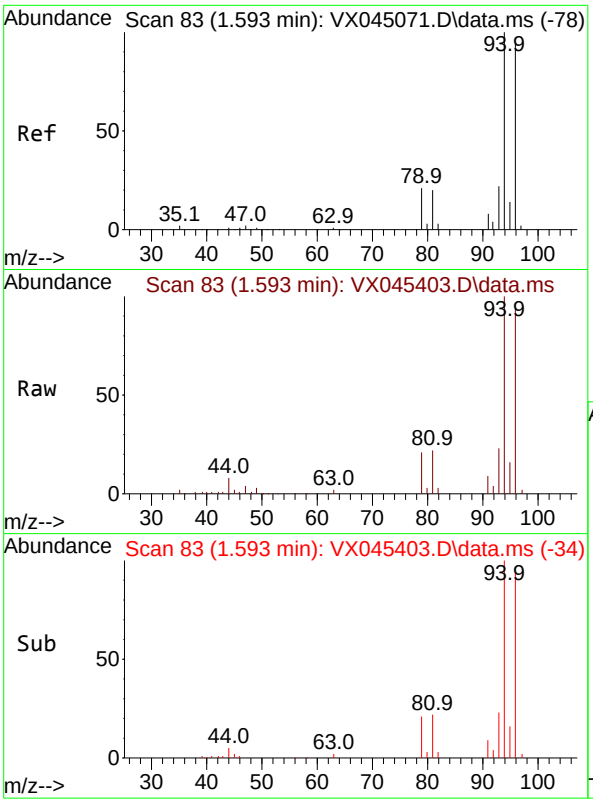


#4
Vinyl Chloride
Concen: 41.882 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX045403.D
Acq: 24 Mar 2025 10:26

Tgt Ion: 62 Resp: 62972

Ion	Ratio	Lower	Upper
62	100		
64	32.9	24.3	36.5

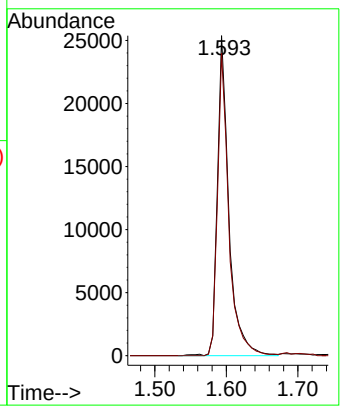




#5
Bromomethane
Concen: 47.634 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045403.D
Acq: 24 Mar 2025 10:26

Tgt Ion: 94 Resp: 2815

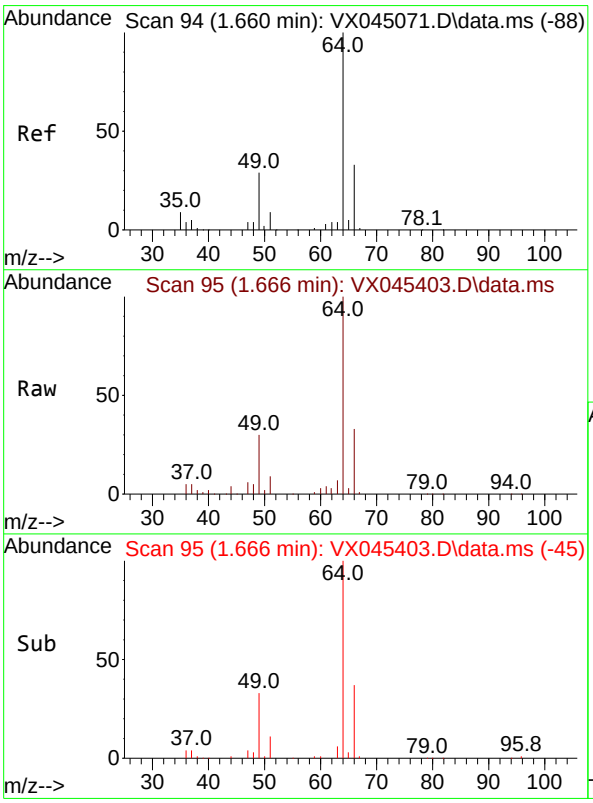
Ion	Ratio	Lower	Upper
94	100		
96	94.5	75.0	112.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

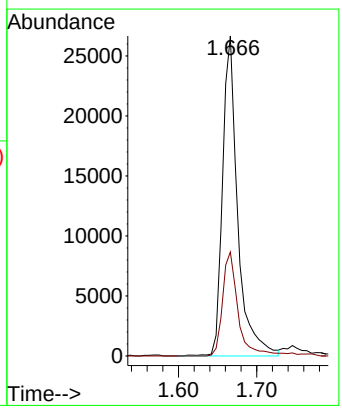
Reviewed By :John Carlone 03/25/2025
Supervised By :Mahesh Dadoda 03/25/2025

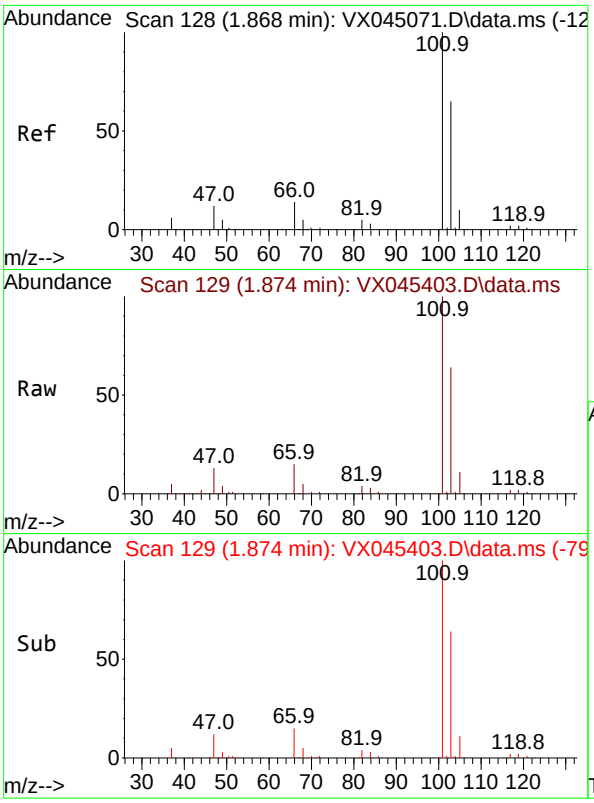


#6
Chloroethane
Concen: 51.753 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.006 min
Lab File: VX045403.D
Acq: 24 Mar 2025 10:26

Tgt Ion: 64 Resp: 35892

Ion	Ratio	Lower	Upper
64	100		
66	32.5	26.7	40.1

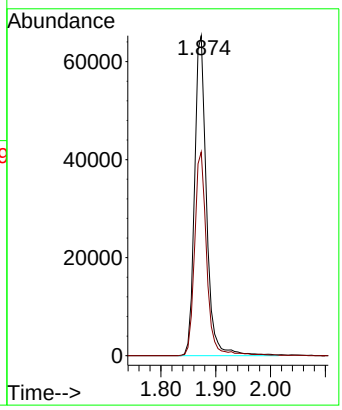




#7
Trichlorofluoromethane
Concen: 49.832 ug/l
RT: 1.874 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045403.D
Acq: 24 Mar 2025 10:26

Tgt Ion:101 Resp: 9918

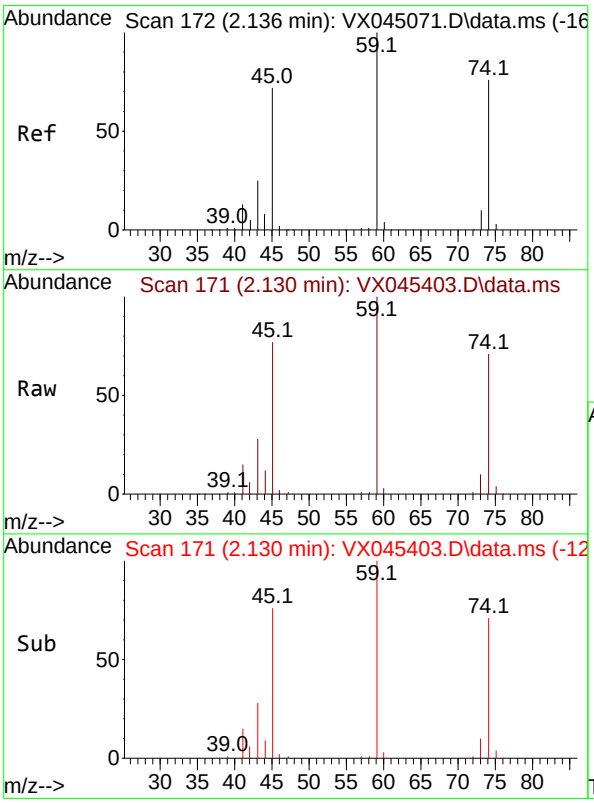
Ion	Ratio	Lower	Upper
101	100		
103	63.7	52.1	78.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

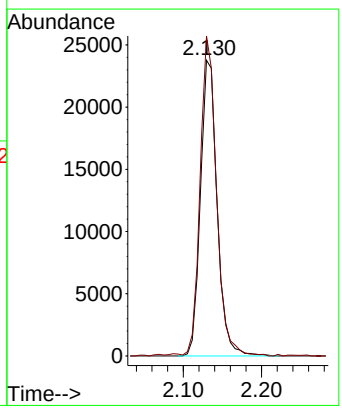
Reviewed By :John Carlone 03/25/2025
Supervised By :Mahesh Dadoda 03/25/2025

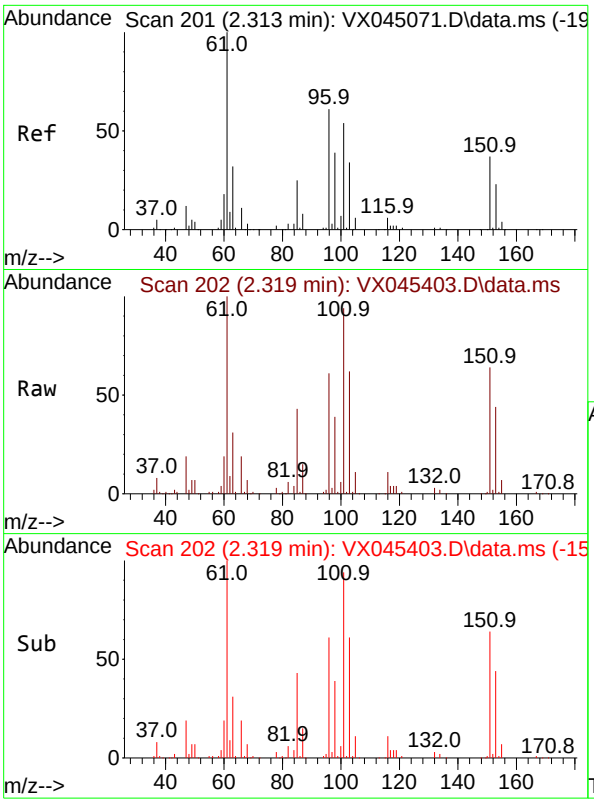


#8
Diethyl Ether
Concen: 45.084 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX045403.D
Acq: 24 Mar 2025 10:26

Tgt Ion: 74 Resp: 35100

Ion	Ratio	Lower	Upper
74	100		
45	106.8	51.5	154.5

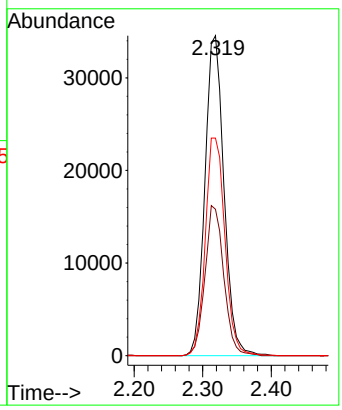




#9
1,1,2-Trichlorotrifluoroethane
Concen: 58.338 ug/l
RT: 2.319 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX045403.D
Acq: 24 Mar 2025 10:26

Tgt Ion:101 Resp: 6671

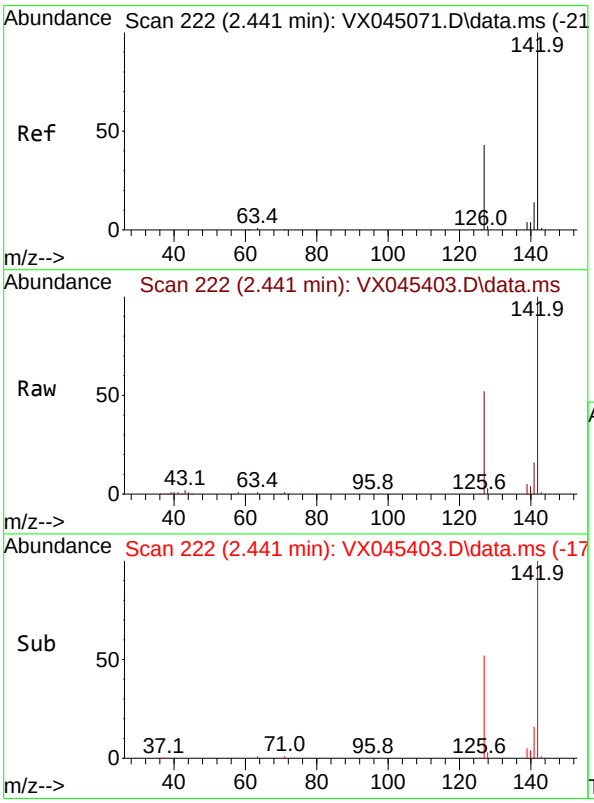
Ion	Ratio	Lower	Upper
101	100		
85	46.5	36.2	54.4
151	70.1	56.4	84.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

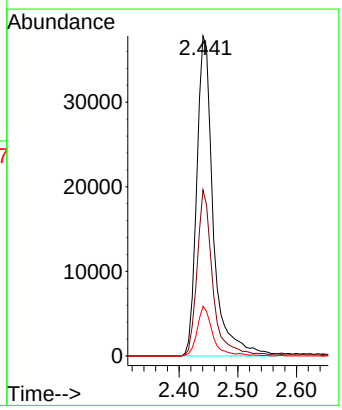
Reviewed By :John Carlone 03/25/2025
Supervised By :Mahesh Dadoda 03/25/2025

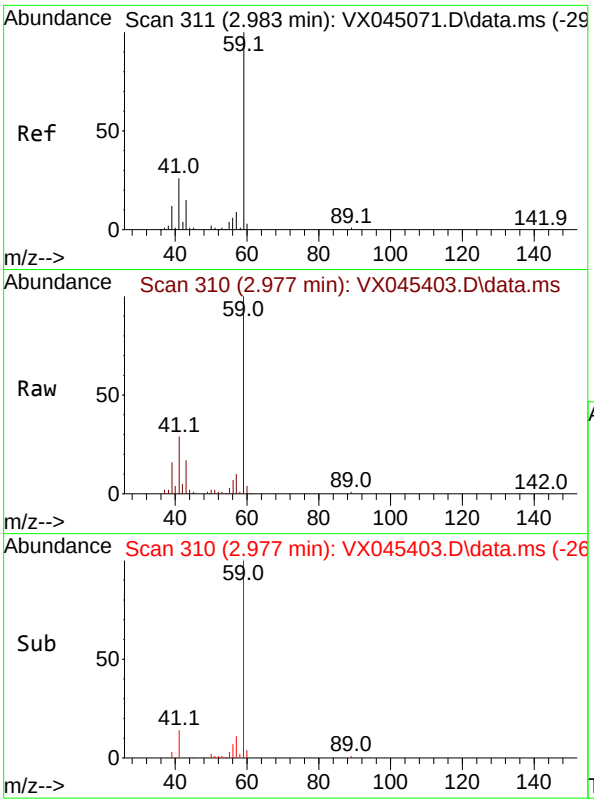


#10
Methyl Iodide
Concen: 51.996 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX045403.D
Acq: 24 Mar 2025 10:26

Tgt Ion:142 Resp: 74307

Ion	Ratio	Lower	Upper
142	100		
127	49.1	35.4	53.2
141	14.7	11.6	17.4

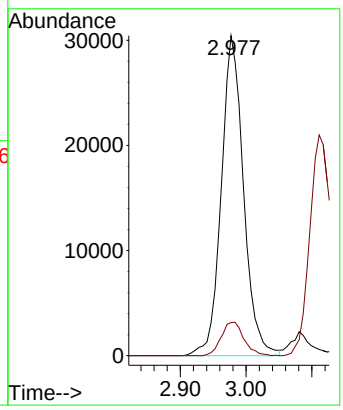




#11
Tert butyl alcohol
Concen: 241.872 ug/l
RT: 2.977 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045403.D
Acq: 24 Mar 2025 10:26

Tgt Ion: 59 Resp: 7170

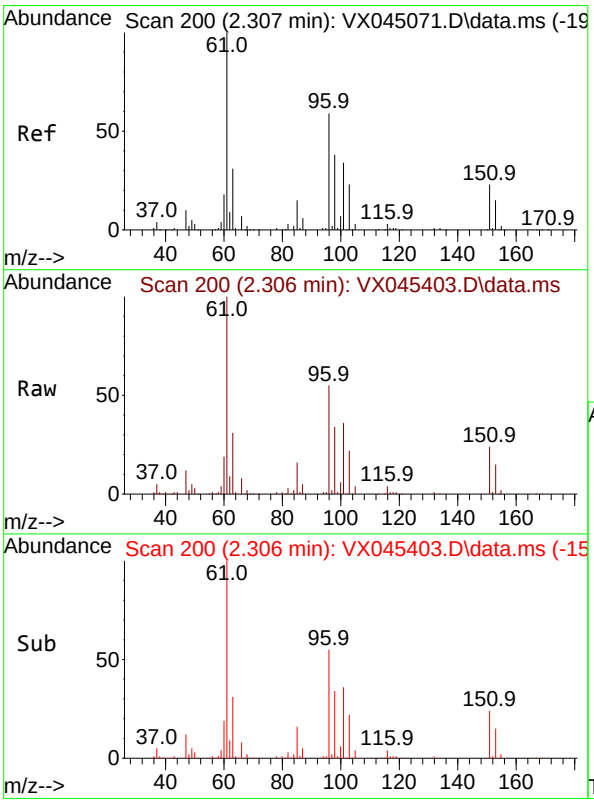
Ion	Ratio	Lower	Upper
59	100		
57	10.7	7.8	11.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

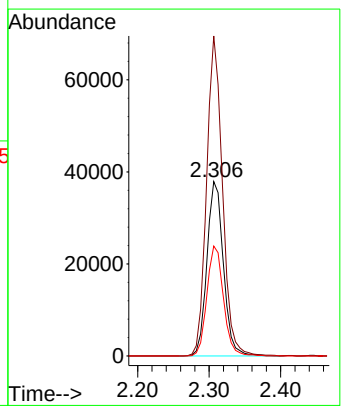
Reviewed By :John Carlone 03/25/2025
Supervised By :Mahesh Dadoda 03/25/2025

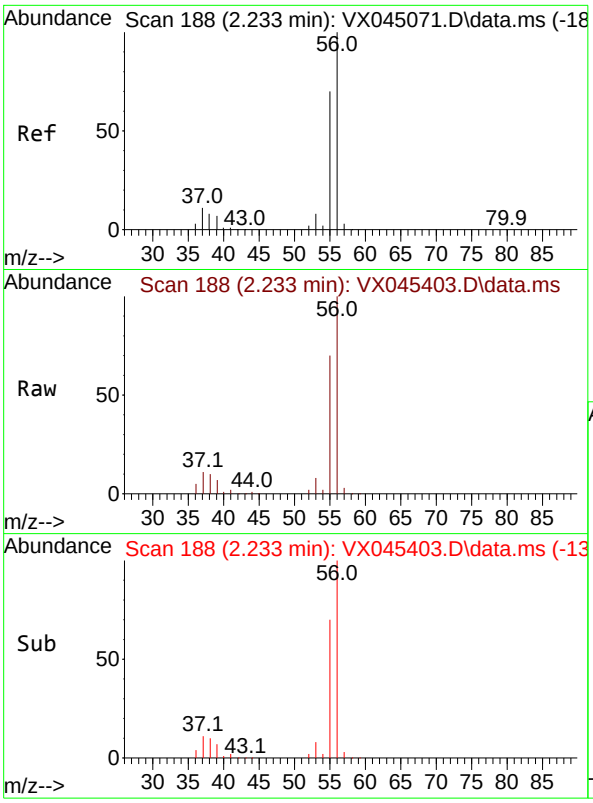


#12
1,1-Dichloroethene
Concen: 50.136 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX045403.D
Acq: 24 Mar 2025 10:26

Tgt Ion: 96 Resp: 60615

Ion	Ratio	Lower	Upper
96	100		
61	183.5	134.6	202.0
98	63.1	51.0	76.6

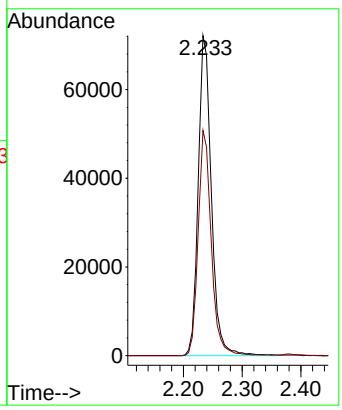




#13
Acrolein
Concen: 326.666 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045403.D
Acq: 24 Mar 2025 10:26

Tgt Ion: 56 Resp: 11194

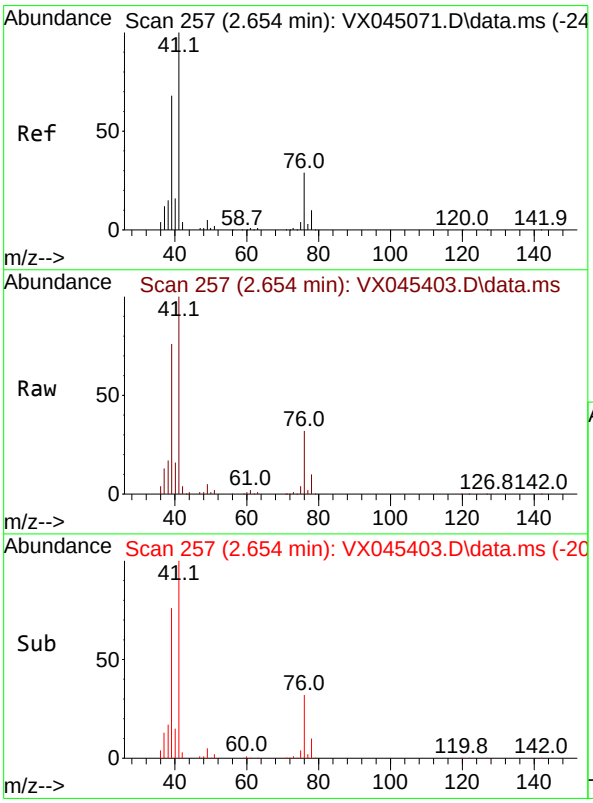
Ion	Ratio	Lower	Upper
56	100		
55	70.5	56.2	84.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

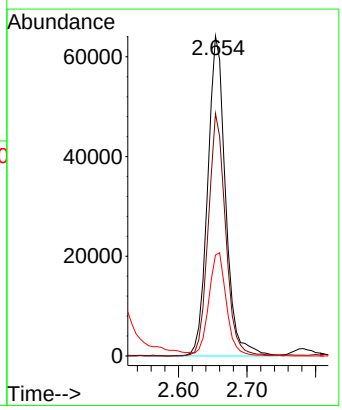
Reviewed By :John Carlone 03/25/2025
Supervised By :Mahesh Dadoda 03/25/2025

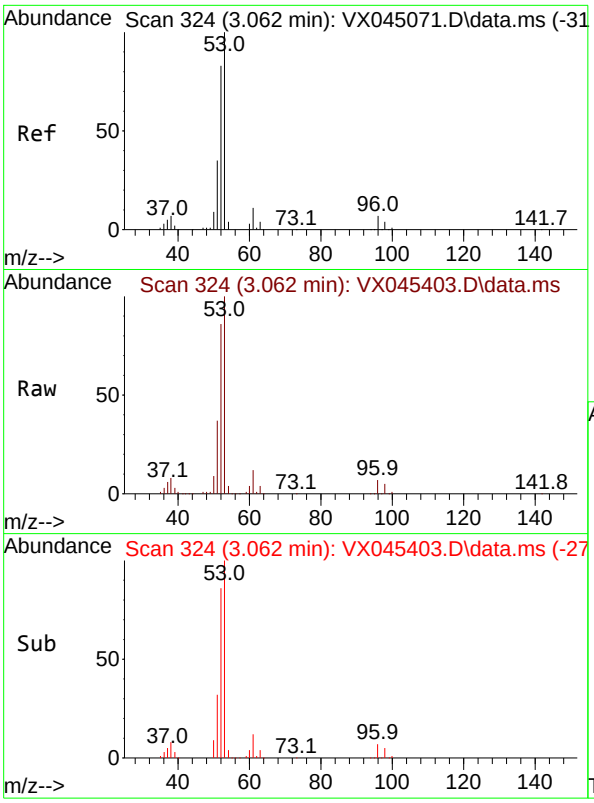


#14
Allyl chloride
Concen: 54.223 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX045403.D
Acq: 24 Mar 2025 10:26

Tgt Ion: 41 Resp: 116693

Ion	Ratio	Lower	Upper
41	100		
39	73.2	53.8	80.8
76	31.7	25.2	37.8





#15
Acrylonitrile
Concen: 259.979 ug/l
RT: 3.062 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045403.D
Acq: 24 Mar 2025 10:26

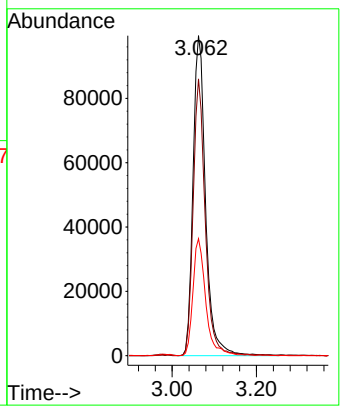
Tgt Ion: 53 Resp: 20655

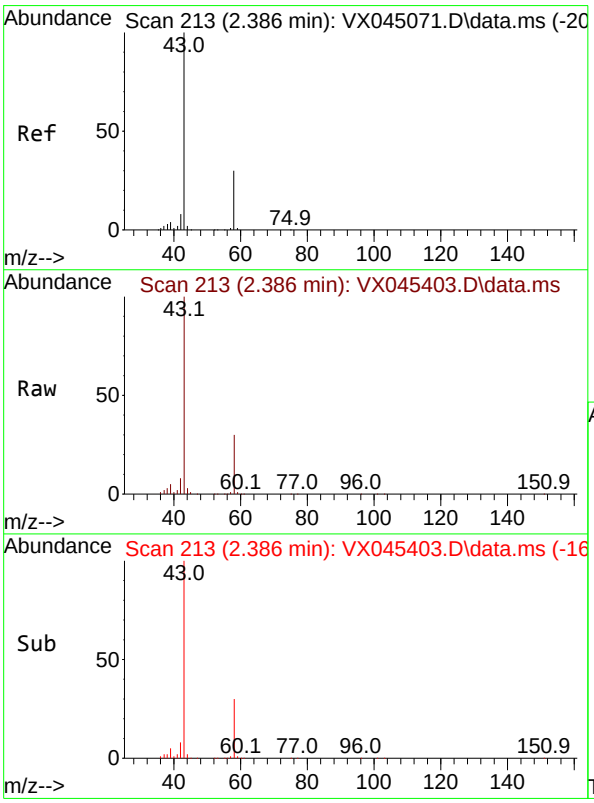
Ion	Ratio	Lower	Upper
53	100		
52	83.2	66.2	99.2
51	37.1	29.0	43.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/25/2025
Supervised By :Mahesh Dadoda 03/25/2025

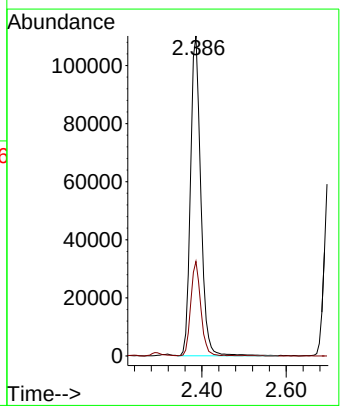


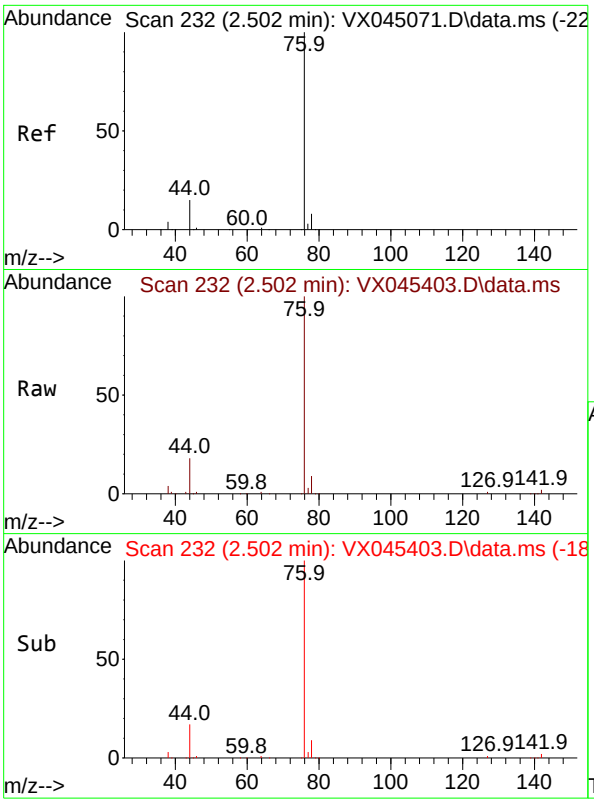


#16
Acetone
Concen: 258.067 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX045403.D
Acq: 24 Mar 2025 10:26

Tgt Ion: 43 Resp: 187392

Ion	Ratio	Lower	Upper
43	100		
58	29.6	24.2	36.4

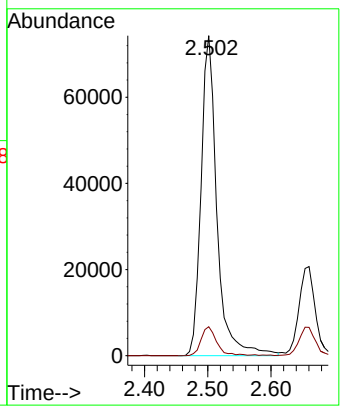




#17
Carbon Disulfide
Concen: 40.336 ug/l
RT: 2.502 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045403.D
Acq: 24 Mar 2025 10:26

Tgt Ion: 76 Resp: 12988

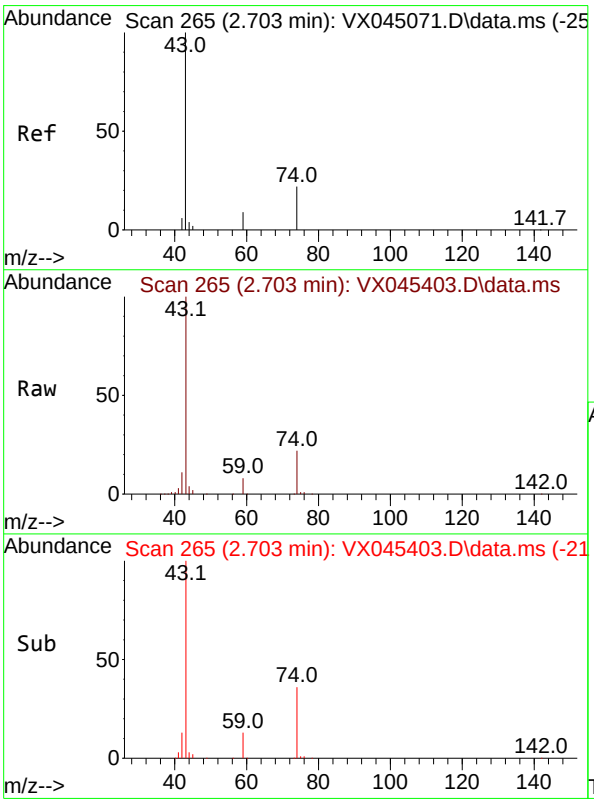
Ion	Ratio	Lower	Upper
76	100		
78	9.0	6.6	9.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

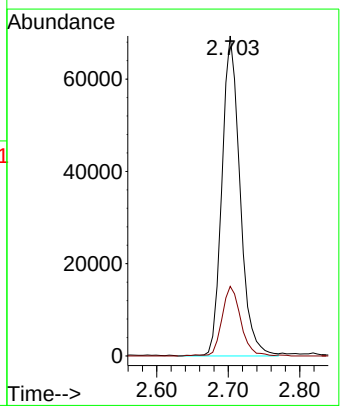
Reviewed By :John Carlone 03/25/2025
Supervised By :Mahesh Dadoda 03/25/2025

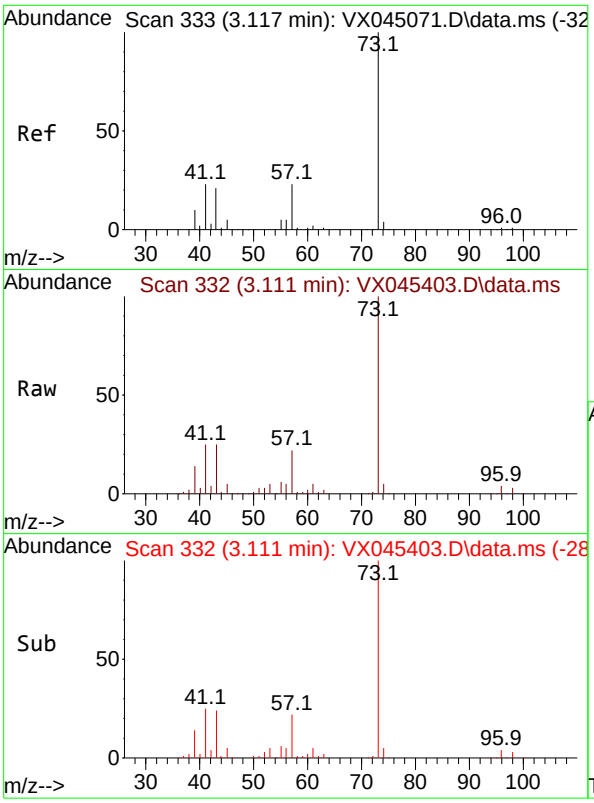


#18
Methyl Acetate
Concen: 69.873 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX045403.D
Acq: 24 Mar 2025 10:26

Tgt Ion: 43 Resp: 122057

Ion	Ratio	Lower	Upper
43	100		
74	22.5	17.4	26.2

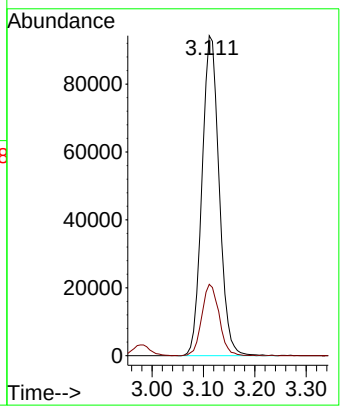




#19
Methyl tert-butyl Ether
Concen: 53.776 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045403.D
Acq: 24 Mar 2025 10:26

Tgt Ion: 73 Resp: 21812

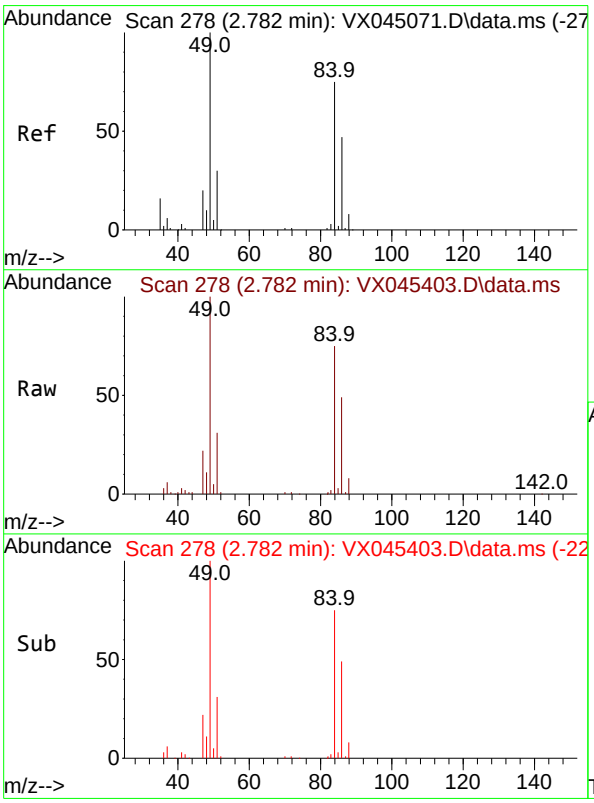
Ion	Ratio	Lower	Upper
73	100		
57	22.3	18.5	27.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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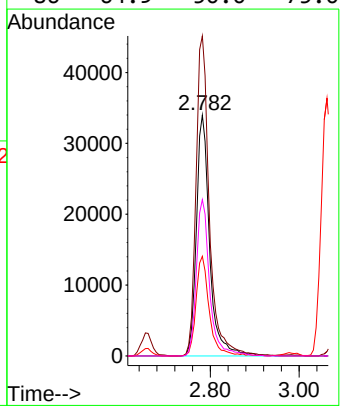
Reviewed By :John Carlone 03/25/2025
Supervised By :Mahesh Dadoda 03/25/2025

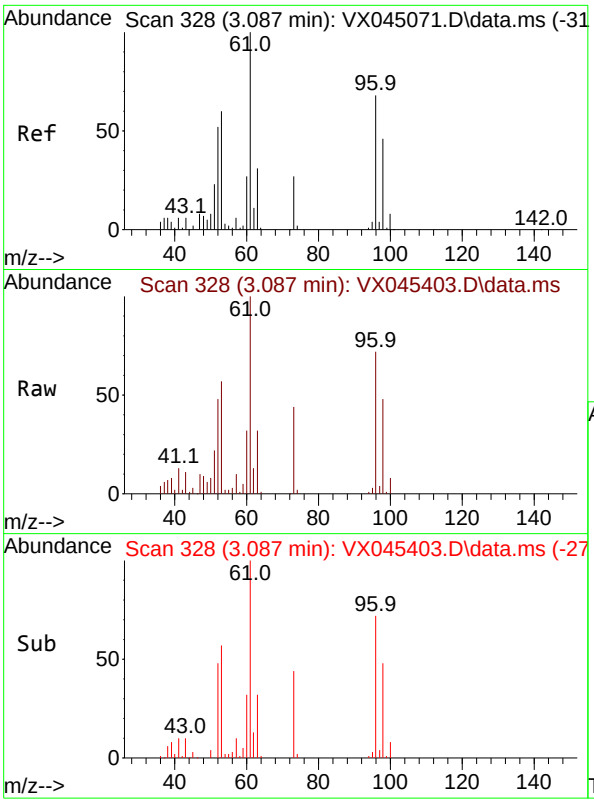


#20
Methylene Chloride
Concen: 48.871 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX045403.D
Acq: 24 Mar 2025 10:26

Tgt Ion: 84 Resp: 70296

Ion	Ratio	Lower	Upper
84	100		
49	132.9	106.5	159.7
51	41.4	32.1	48.1
86	64.9	50.0	75.0





#21
trans-1,2-Dichloroethene
Concen: 49.847 ug/l
RT: 3.087 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045403.D
Acq: 24 Mar 2025 10:26

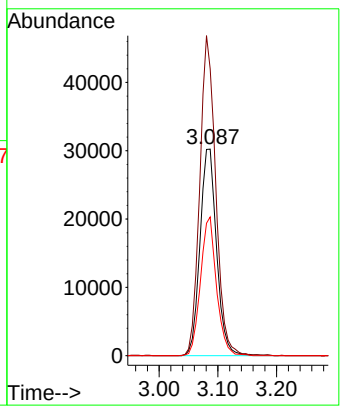
Tgt Ion: 96 Resp: 5953

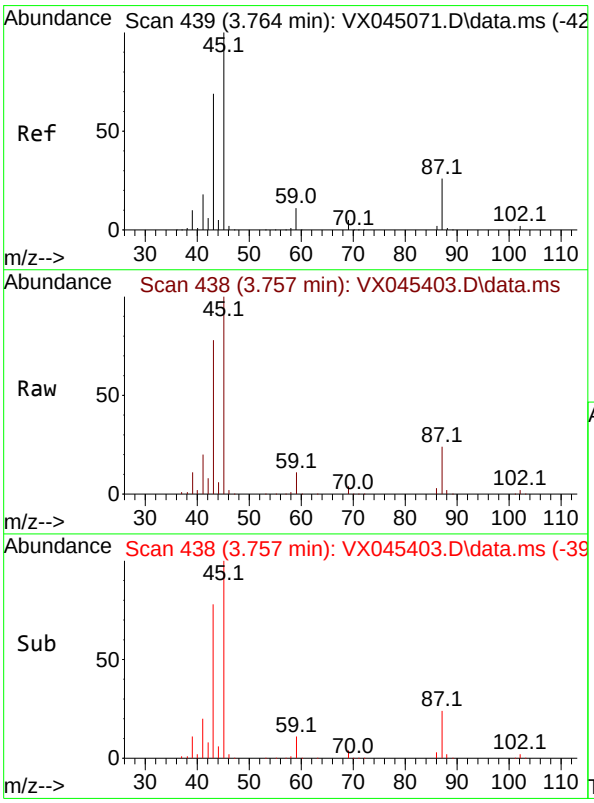
Ion	Ratio	Lower	Upper
96	100		
61	138.8	117.0	175.4
98	67.2	53.4	80.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/25/2025
Supervised By :Mahesh Dadoda 03/25/2025

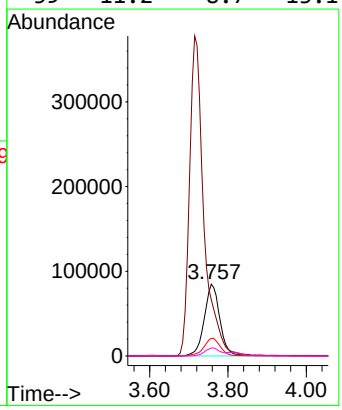


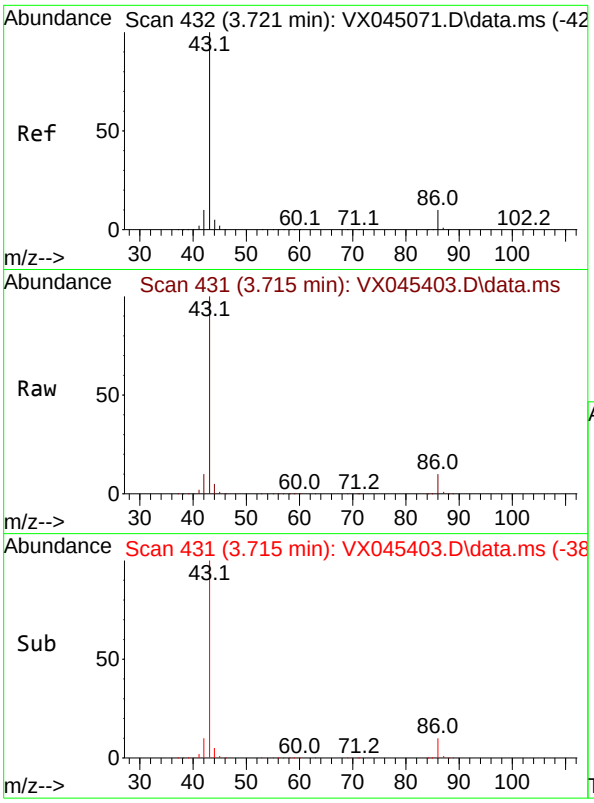


#22
Diisopropyl ether
Concen: 53.549 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.006 min
Lab File: VX045403.D
Acq: 24 Mar 2025 10:26

Tgt Ion: 45 Resp: 234378

Ion	Ratio	Lower	Upper
45	100		
43	77.4	54.9	82.3
87	24.5	21.0	31.4
59	11.2	8.7	13.1





#23
Vinyl Acetate
Concen: 264.180 ug/l
RT: 3.715 min Scan# 4
Delta R.T. -0.006 min
Lab File: VX045403.D
Acq: 24 Mar 2025 10:26

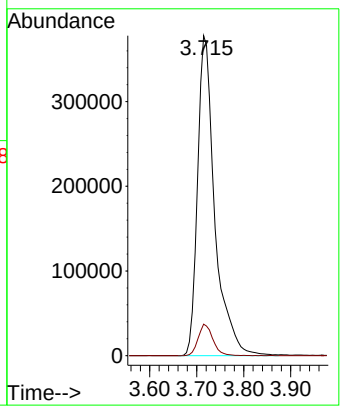
Tgt Ion: 43 Resp: 96492

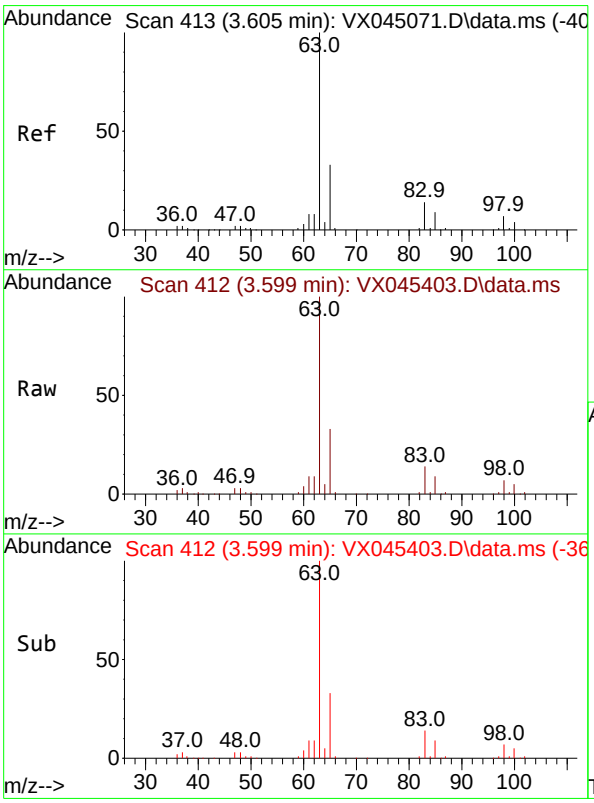
Ion	Ratio	Lower	Upper
43	100		
86	9.9	8.1	12.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/25/2025
Supervised By :Mahesh Dadoda 03/25/2025

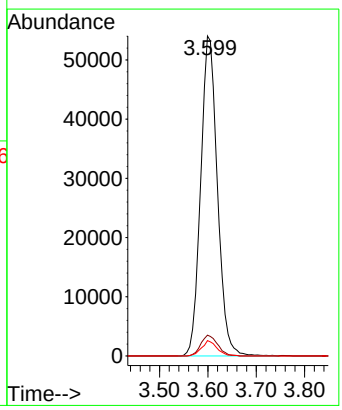


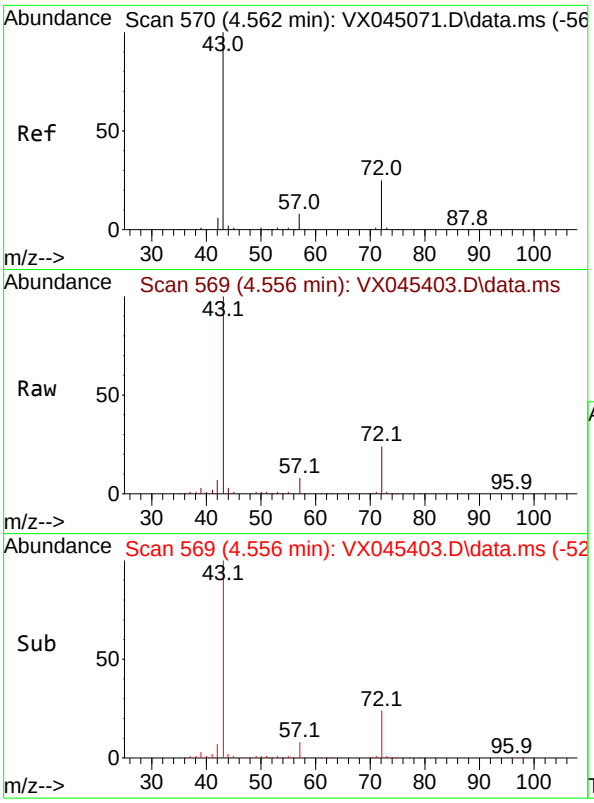


#24
1,1-Dichloroethane
Concen: 53.017 ug/l
RT: 3.599 min Scan# 412
Delta R.T. -0.006 min
Lab File: VX045403.D
Acq: 24 Mar 2025 10:26

Tgt Ion: 63 Resp: 130048

Ion	Ratio	Lower	Upper
63	100		
98	6.5	3.4	10.2
100	4.8	2.1	6.5





#25
2-Butanone
Concen: 267.823 ug/l
RT: 4.556 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX045403.D
Acq: 24 Mar 2025 10:26

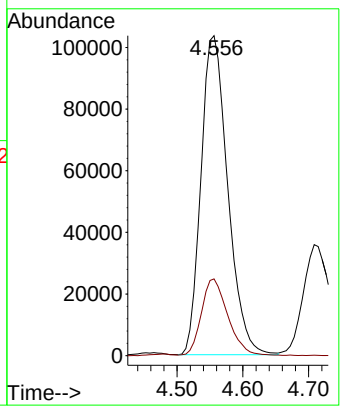
Tgt Ion: 43 Resp: 29273

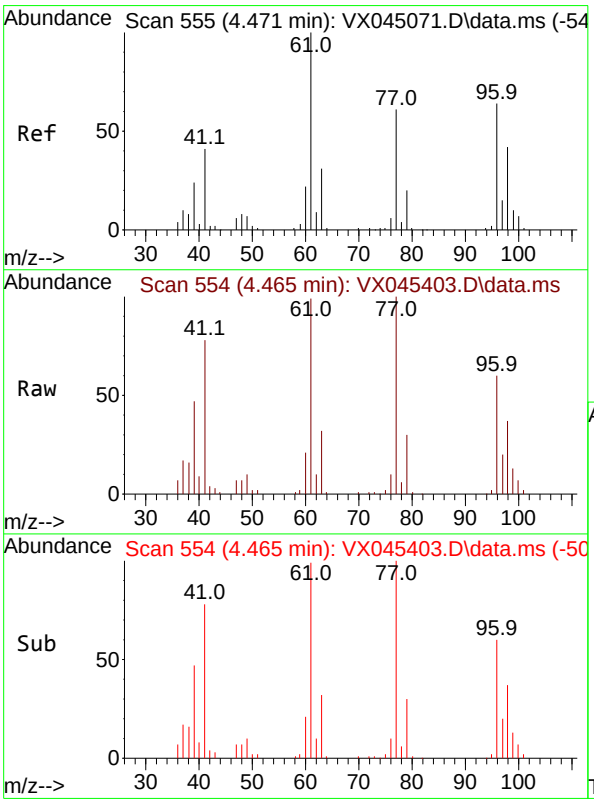
Ion	Ratio	Lower	Upper
43	100		
72	23.9	20.0	30.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :John Carlone 03/25/2025
Supervised By :Mahesh Dadoda 03/25/2025

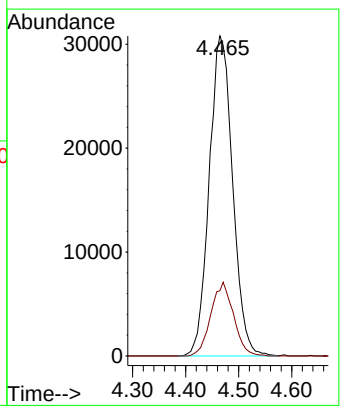


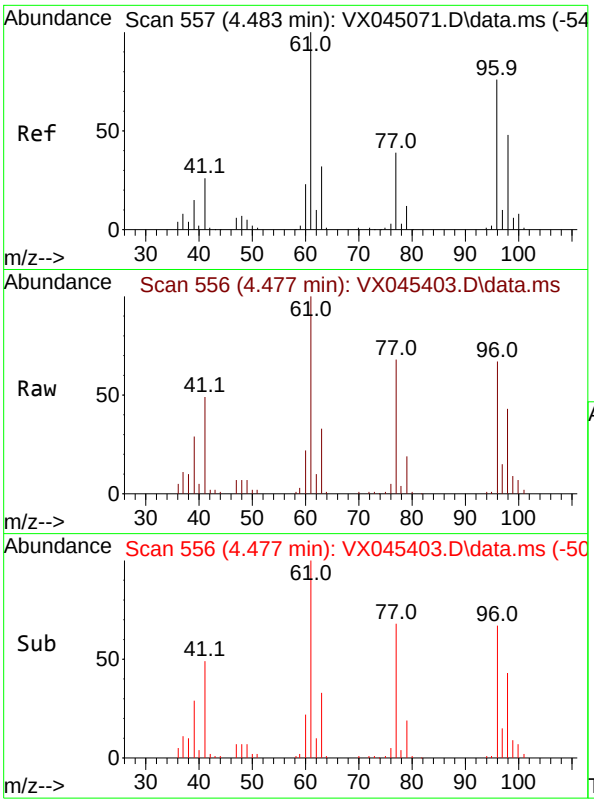


#26
2,2-Dichloropropane
Concen: 82.118 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.006 min
Lab File: VX045403.D
Acq: 24 Mar 2025 10:26

Tgt Ion: 77 Resp: 94481

Ion	Ratio	Lower	Upper
77	100		
97	22.3	12.4	37.0

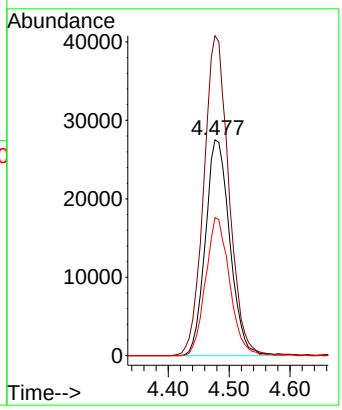




#27
cis-1,2-Dichloroethene
Concen: 52.019 ug/l
RT: 4.477 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX045403.D
Acq: 24 Mar 2025 10:26

Tgt Ion: 96 Resp: 7670

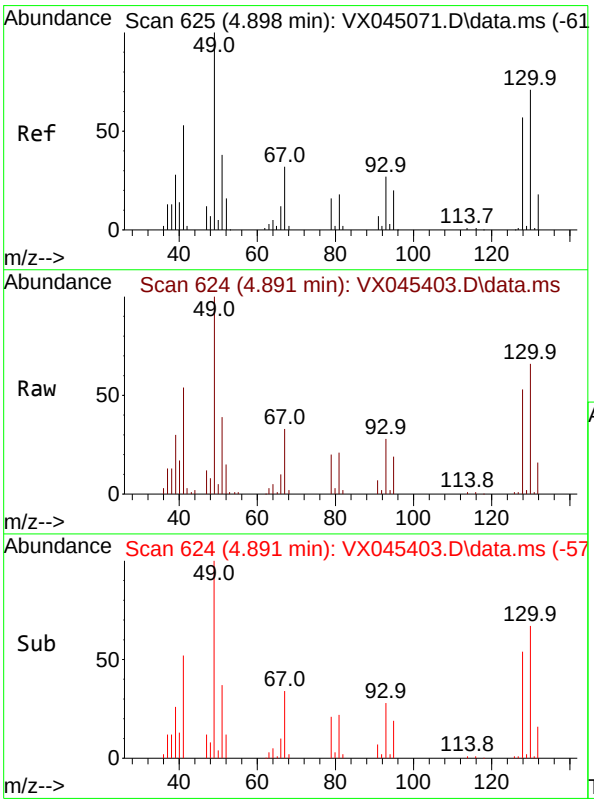
Ion	Ratio	Lower	Upper
96	100		
61	151.9	0.0	283.2
98	63.0	0.0	128.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

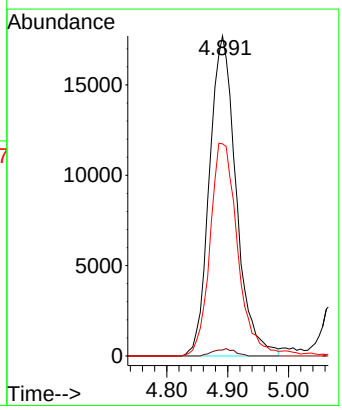
Reviewed By :John Carlone 03/25/2025
Supervised By :Mahesh Dadoda 03/25/2025

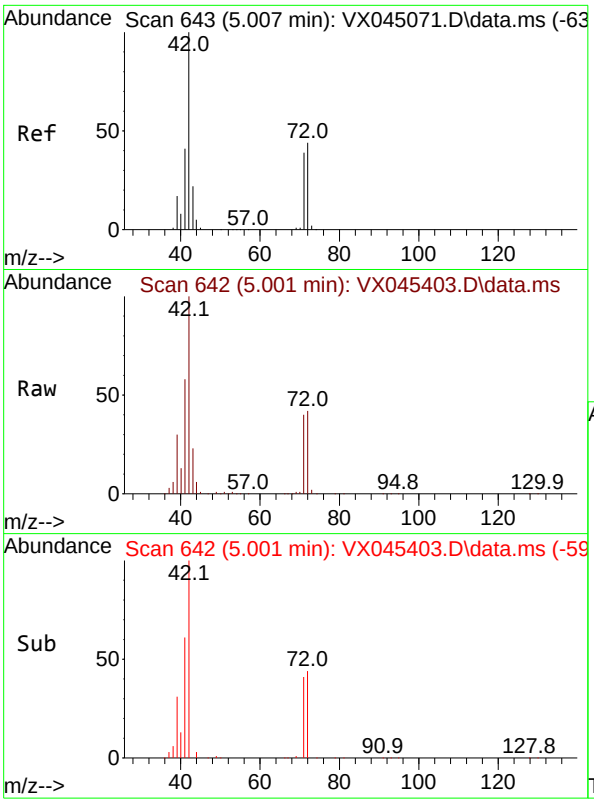


#28
Bromochloromethane
Concen: 46.117 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX045403.D
Acq: 24 Mar 2025 10:26

Tgt Ion: 49 Resp: 53919

Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.4
130	69.3	56.1	84.1

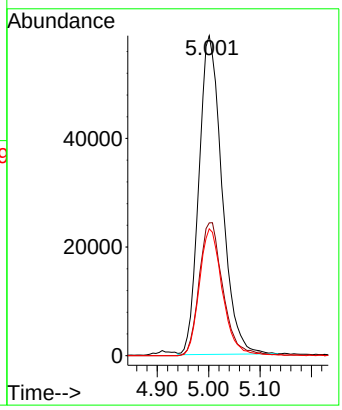




#29
Tetrahydrofuran
Concen: 249.799 ug/l
RT: 5.001 min Scan# 64
Delta R.T. -0.006 min
Lab File: VX045403.D
Acq: 24 Mar 2025 10:26

Tgt Ion: 42 Resp: 18335

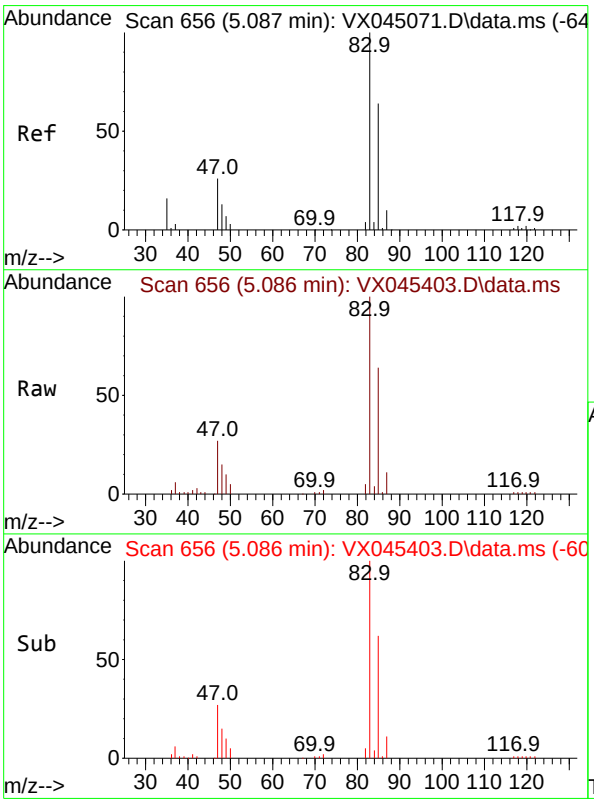
Ion	Ratio	Lower	Upper
42	100		
72	43.2	34.1	51.1
71	39.8	31.4	47.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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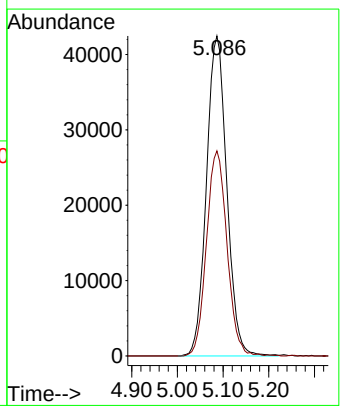
Reviewed By :John Carlone 03/25/2025
Supervised By :Mahesh Dadoda 03/25/2025

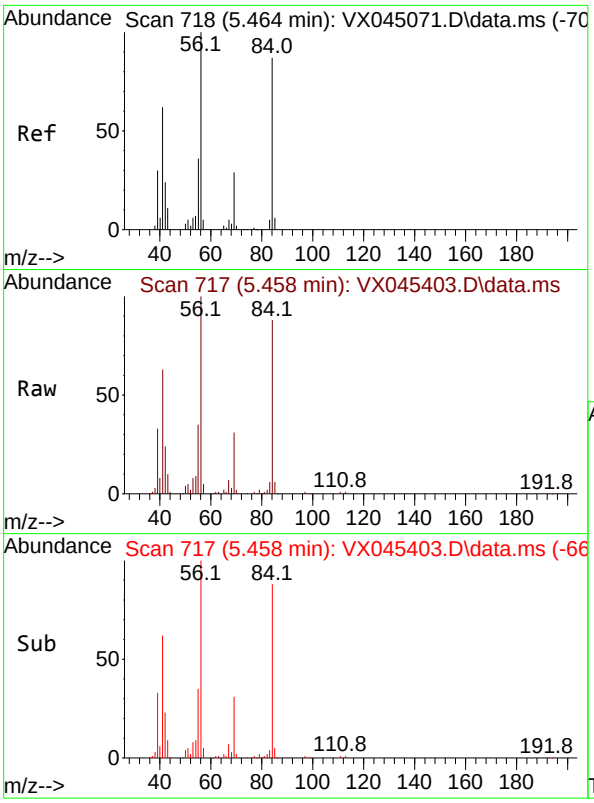


#30
Chloroform
Concen: 53.851 ug/l
RT: 5.086 min Scan# 656
Delta R.T. -0.000 min
Lab File: VX045403.D
Acq: 24 Mar 2025 10:26

Tgt Ion: 83 Resp: 131250

Ion	Ratio	Lower	Upper
83	100		
85	64.1	51.4	77.2

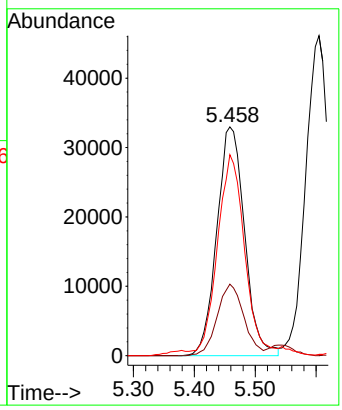




#31
Cyclohexane
Concen: 48.992 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045403.D
Acq: 24 Mar 2025 10:26

Tgt Ion: 56 Resp: 10431

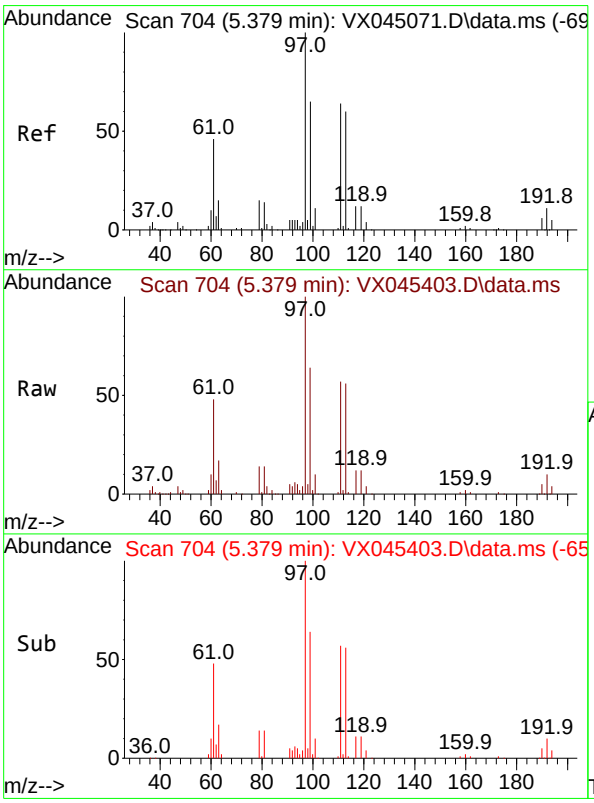
Ion	Ratio	Lower	Upper
56	100		
69	31.3	23.4	35.2
84	85.9	69.4	104.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

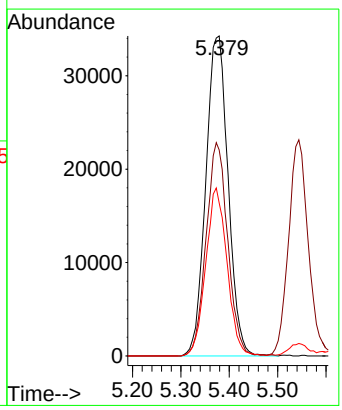
Reviewed By :John Carlone 03/25/2025
Supervised By :Mahesh Dadoda 03/25/2025

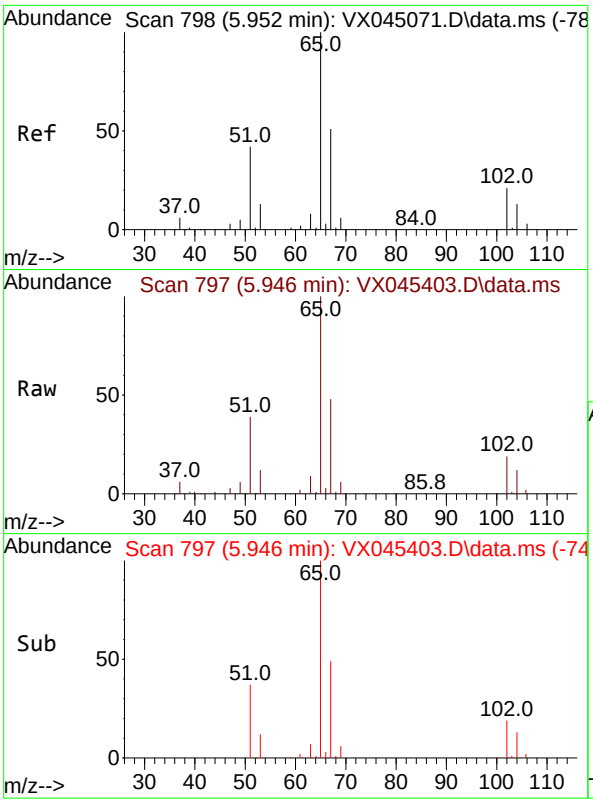


#32
1,1,1-Trichloroethane
Concen: 55.816 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX045403.D
Acq: 24 Mar 2025 10:26

Tgt Ion: 97 Resp: 109872

Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.6	77.4
61	50.2	38.4	57.6

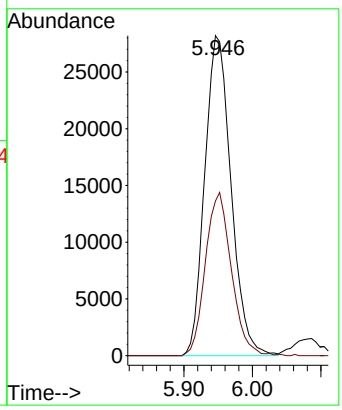




#33
1,2-Dichloroethane-d4
Concen: 48.117 ug/l
RT: 5.946 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045403.D
Acq: 24 Mar 2025 10:26

Tgt Ion: 65 Resp: 7530

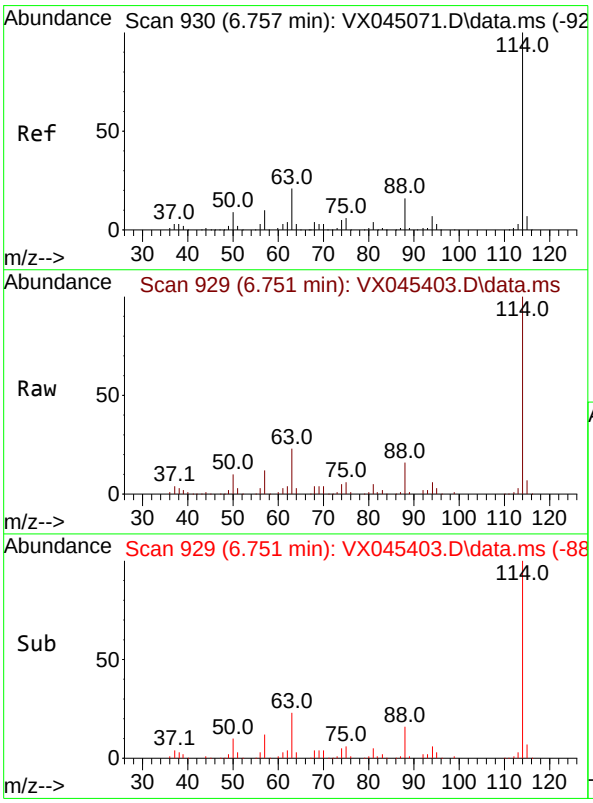
Ion	Ratio	Lower	Upper
65	100		
67	50.5	0.0	106.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

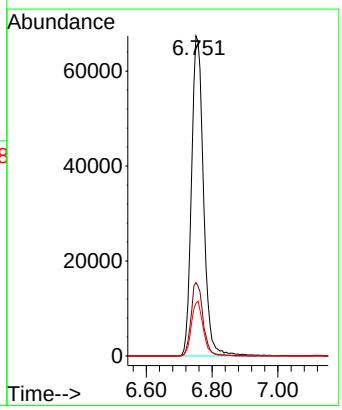
Reviewed By :John Carlone 03/25/2025
Supervised By :Mahesh Dadoda 03/25/2025

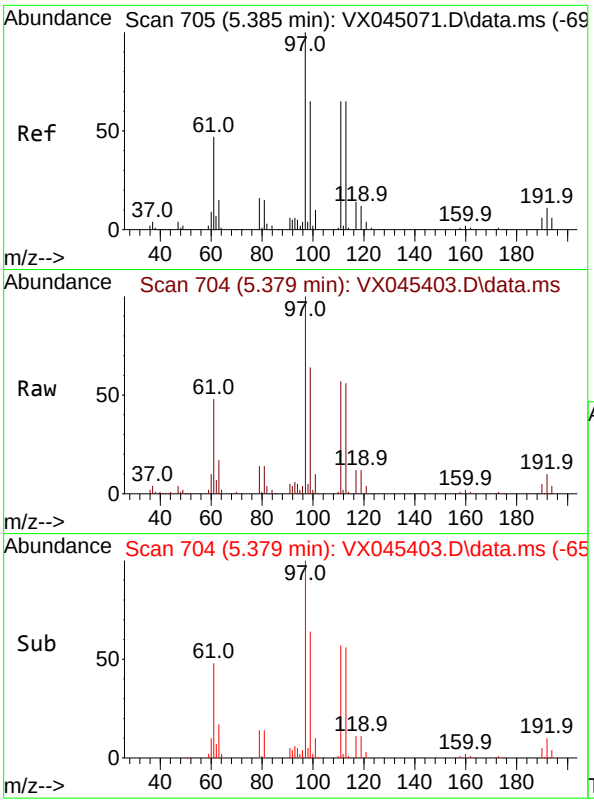


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 929
Delta R.T. -0.006 min
Lab File: VX045403.D
Acq: 24 Mar 2025 10:26

Tgt Ion:114 Resp: 170340

Ion	Ratio	Lower	Upper
114	100		
63	22.9	0.0	41.8
88	16.5	0.0	32.8

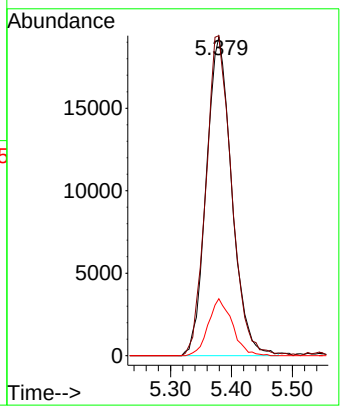




#35
Dibromofluoromethane
Concen: 49.284 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045403.D
Acq: 24 Mar 2025 10:26

Tgt Ion:113 Resp: 5613

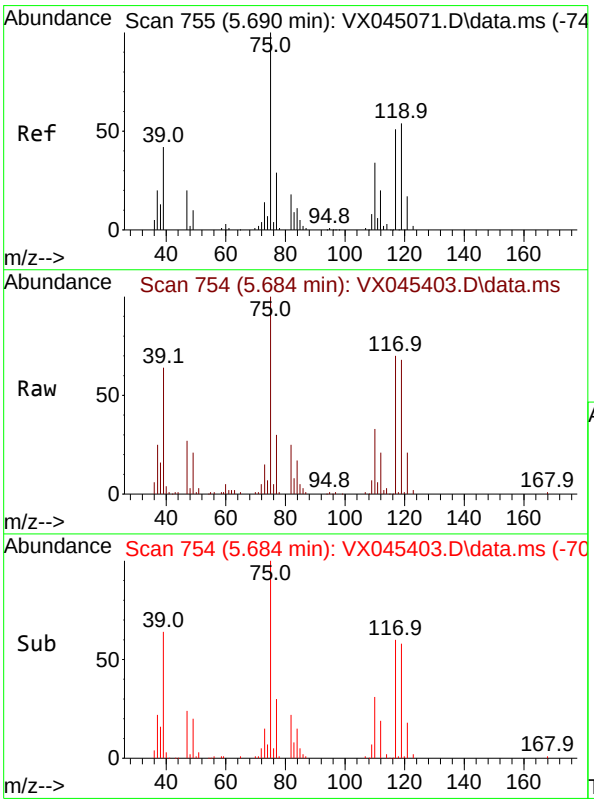
Ion	Ratio	Lower	Upper
113	100		
111	101.4	81.8	122.6
192	16.8	14.3	21.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

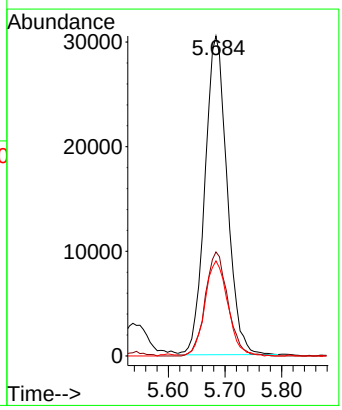
Reviewed By :John Carlone 03/25/2025
Supervised By :Mahesh Dadoda 03/25/2025

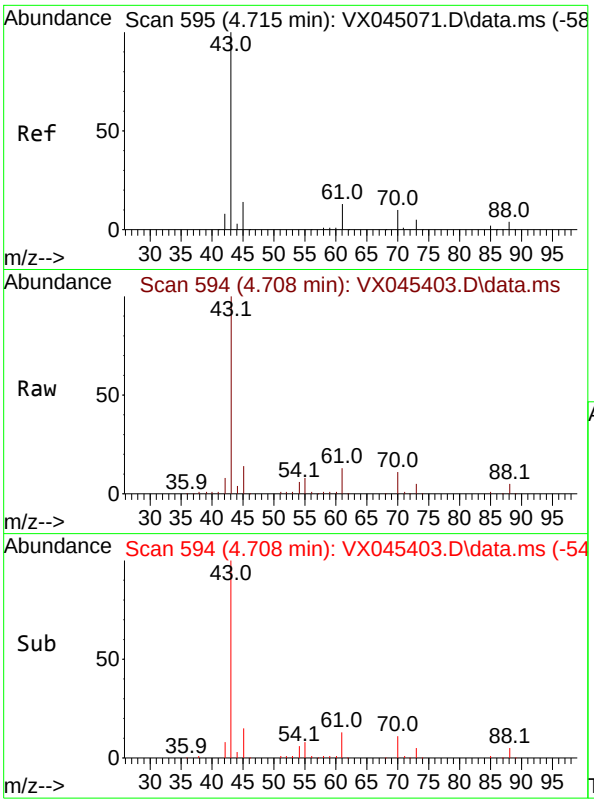


#36
1,1-Dichloropropene
Concen: 52.945 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX045403.D
Acq: 24 Mar 2025 10:26

Tgt Ion: 75 Resp: 82702

Ion	Ratio	Lower	Upper
75	100		
110	33.4	16.9	50.6
77	30.9	24.5	36.7

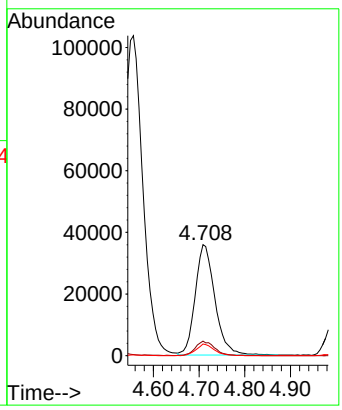




#37
Ethyl Acetate
Concen: 53.208 ug/l
RT: 4.708 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX045403.D
Acq: 24 Mar 2025 10:26

Tgt Ion: 43 Resp: 10709

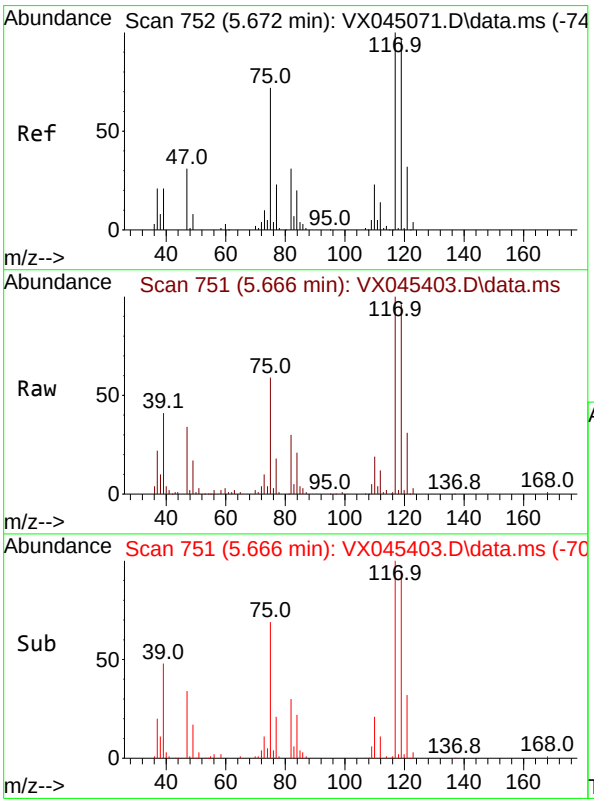
Ion	Ratio	Lower	Upper
43	100		
61	12.4	10.8	16.2
70	9.7	7.7	11.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

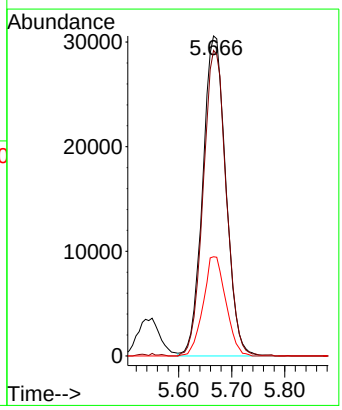
Reviewed By :John Carlone 03/25/2025
Supervised By :Mahesh Dadoda 03/25/2025

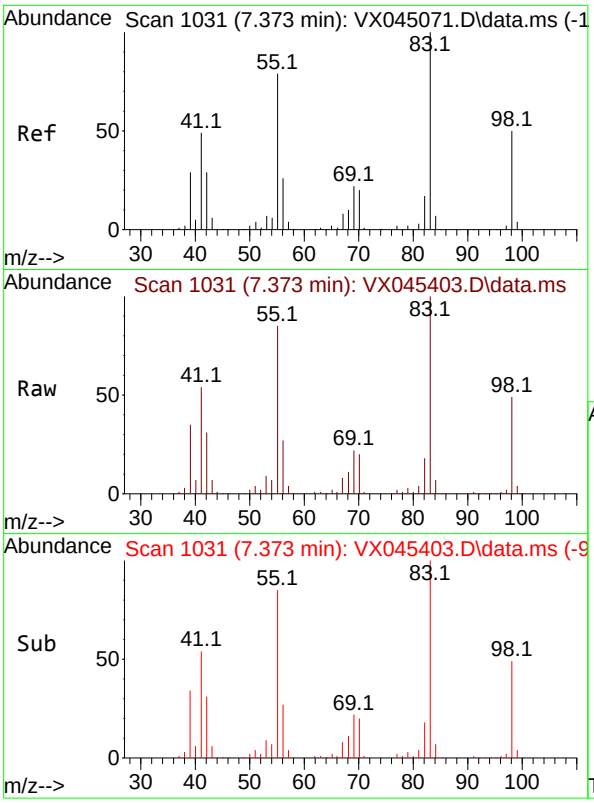


#38
Carbon Tetrachloride
Concen: 58.238 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX045403.D
Acq: 24 Mar 2025 10:26

Tgt Ion:117 Resp: 92357

Ion	Ratio	Lower	Upper
117	100		
119	95.5	76.7	115.1
121	31.0	25.5	38.3

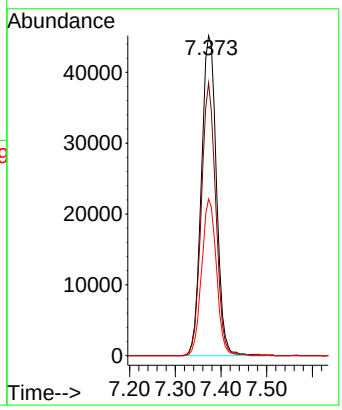




#39
Methylcyclohexane
Concen: 55.164 ug/l
RT: 7.373 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045403.D
Acq: 24 Mar 2025 10:26

Tgt Ion: 83 Resp: 10325

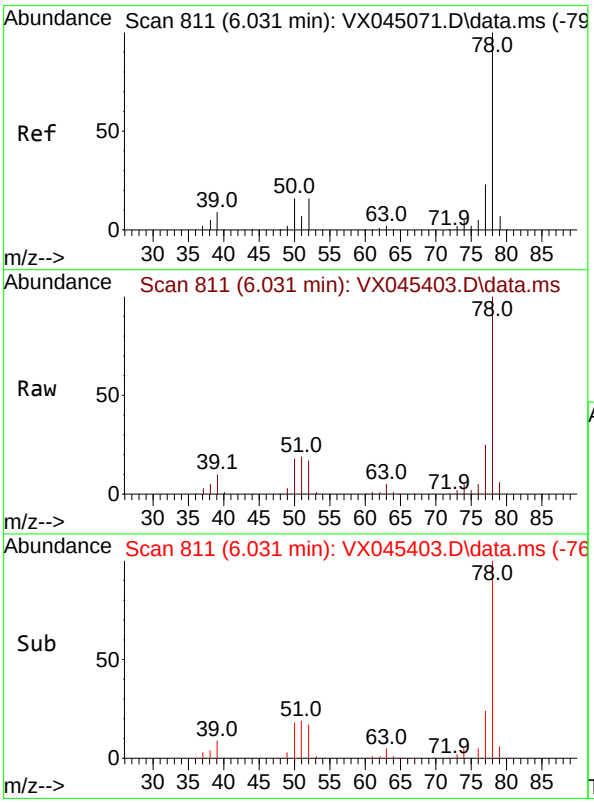
Ion	Ratio	Lower	Upper
83	100		
55	85.3	63.0	94.4
98	49.0	39.7	59.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

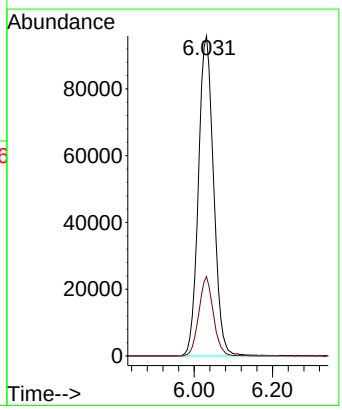
Reviewed By :John Carlone 03/25/2025
Supervised By :Mahesh Dadoda 03/25/2025

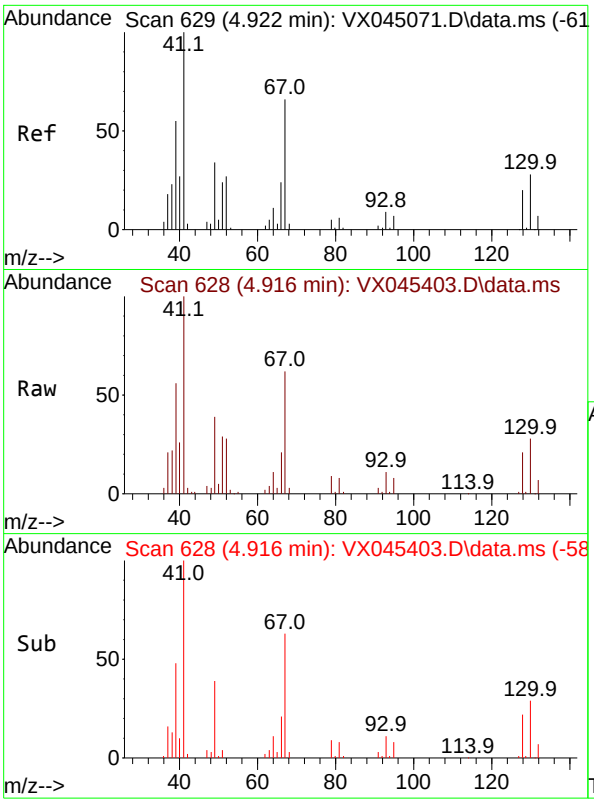


#40
Benzene
Concen: 52.427 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX045403.D
Acq: 24 Mar 2025 10:26

Tgt Ion: 78 Resp: 258600

Ion	Ratio	Lower	Upper
78	100		
77	24.8	18.8	28.2

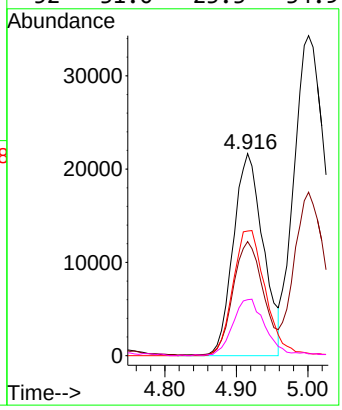




#41
Methacrylonitrile
Concen: 58.001 ug/l
RT: 4.916 min Scan# 6
Delta R.T. -0.006 min
Lab File: VX045403.D
Acq: 24 Mar 2025 10:26

Tgt Ion: 41 Resp: 6312

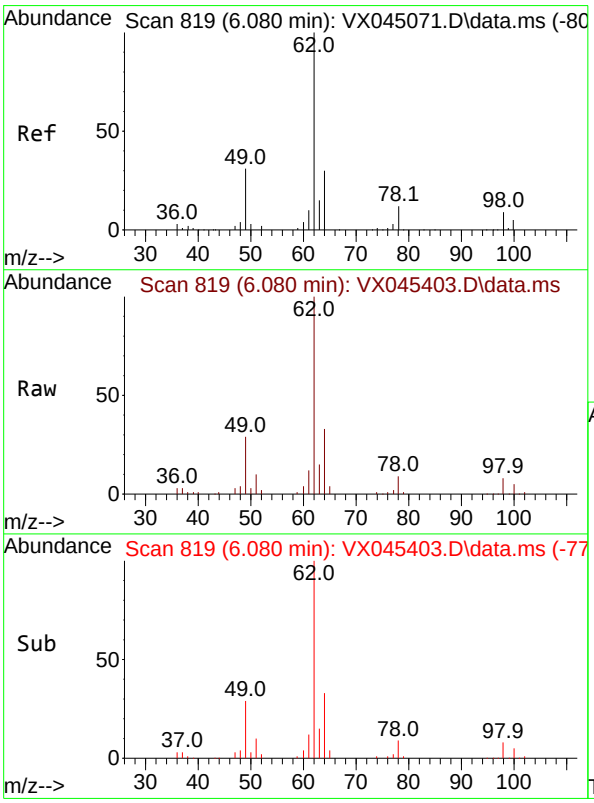
Ion	Ratio	Lower	Upper
41	100		
39	56.9	44.6	67.0
67	67.3	53.9	80.9
52	31.0	23.3	34.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

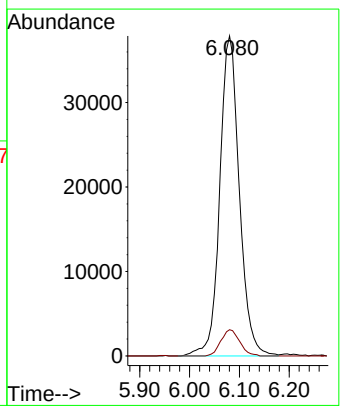
Reviewed By :John Carlone 03/25/2025
Supervised By :Mahesh Dadoda 03/25/2025

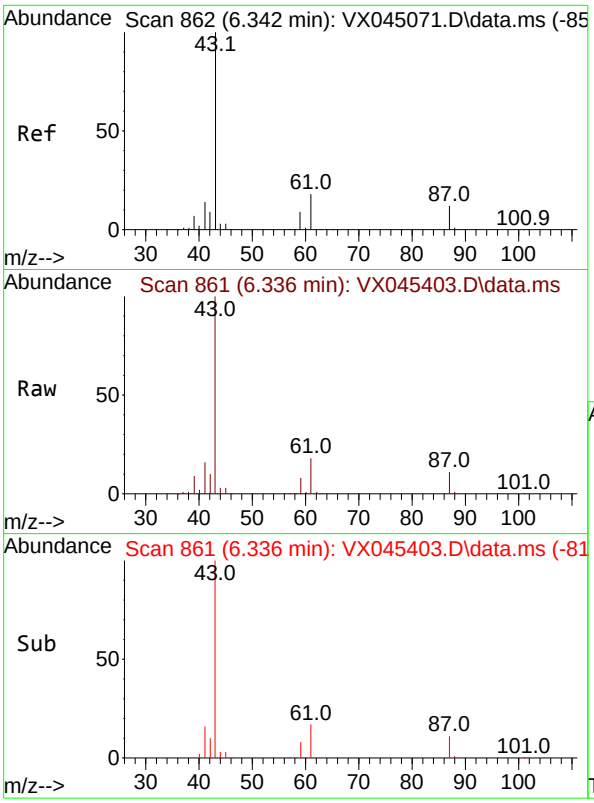


#42
1,2-Dichloroethane
Concen: 58.092 ug/l
RT: 6.080 min Scan# 819
Delta R.T. -0.000 min
Lab File: VX045403.D
Acq: 24 Mar 2025 10:26

Tgt Ion: 62 Resp: 103184

Ion	Ratio	Lower	Upper
62	100		
98	7.9	0.0	18.2

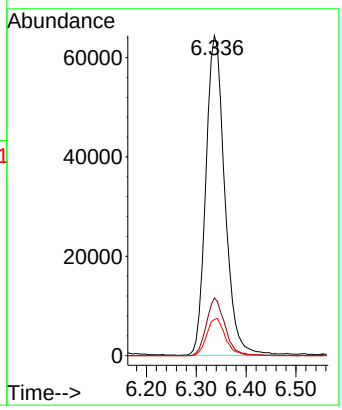




#43
Isopropyl Acetate
Concen: 57.059 ug/l
RT: 6.336 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX045403.D
Acq: 24 Mar 2025 10:26

Tgt Ion: 43 Resp: 16982

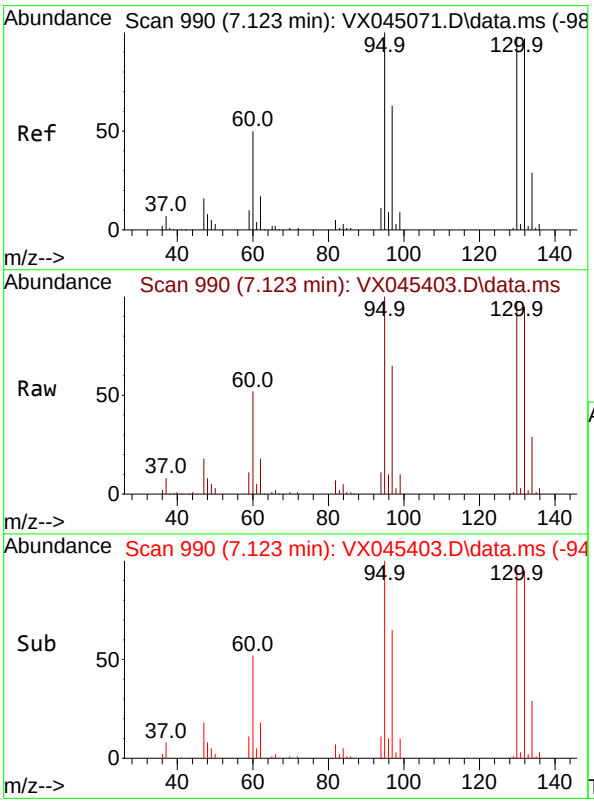
Ion	Ratio	Lower	Upper
43	100		
61	17.7	14.9	22.3
87	11.5	9.4	14.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

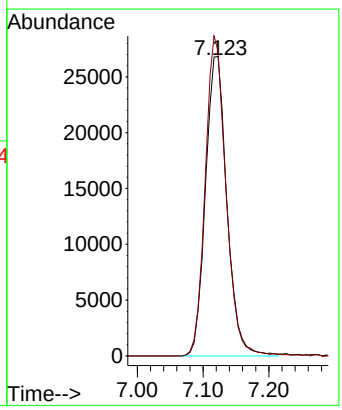
Reviewed By :John Carlone 03/25/2025
Supervised By :Mahesh Dadoda 03/25/2025

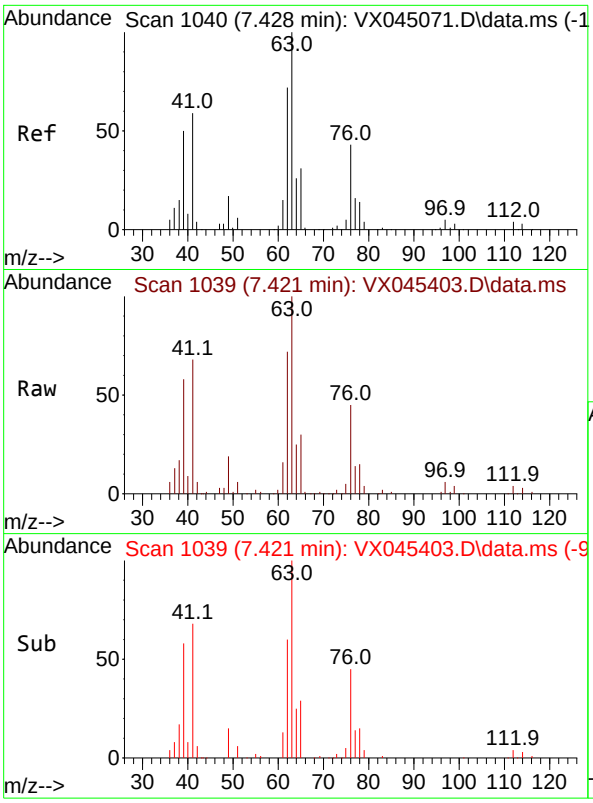


#44
Trichloroethene
Concen: 52.469 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX045403.D
Acq: 24 Mar 2025 10:26

Tgt Ion:130 Resp: 60771

Ion	Ratio	Lower	Upper
130	100		
95	101.8	0.0	205.0

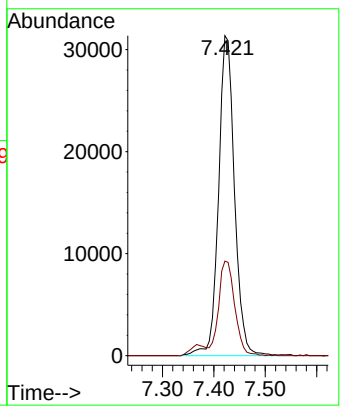




#45
1,2-Dichloropropane
Concen: 53.305 ug/l
RT: 7.421 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045403.D
Acq: 24 Mar 2025 10:26

Tgt Ion: 63 Resp: 6760

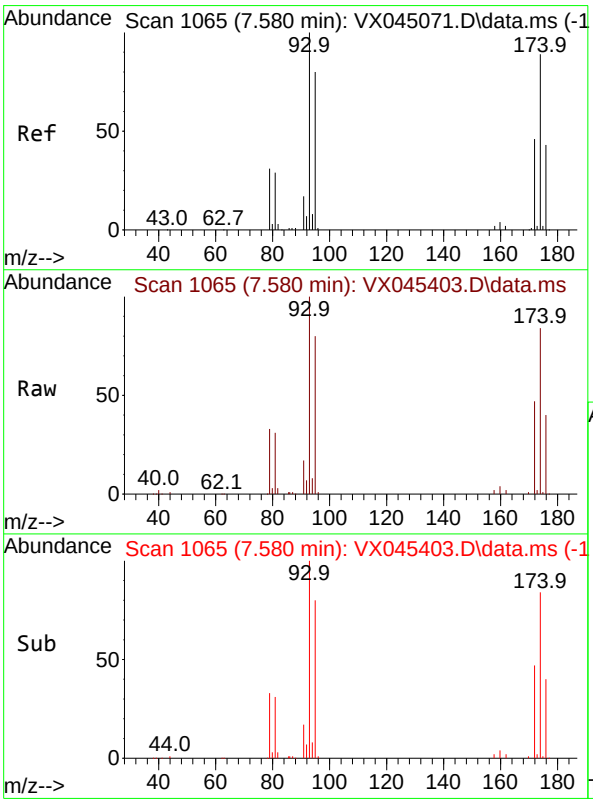
Ion	Ratio	Lower	Upper
63	100		
65	29.6	24.7	37.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

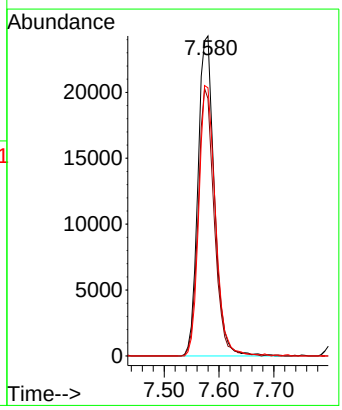
Reviewed By :John Carlone 03/25/2025
Supervised By :Mahesh Dadoda 03/25/2025

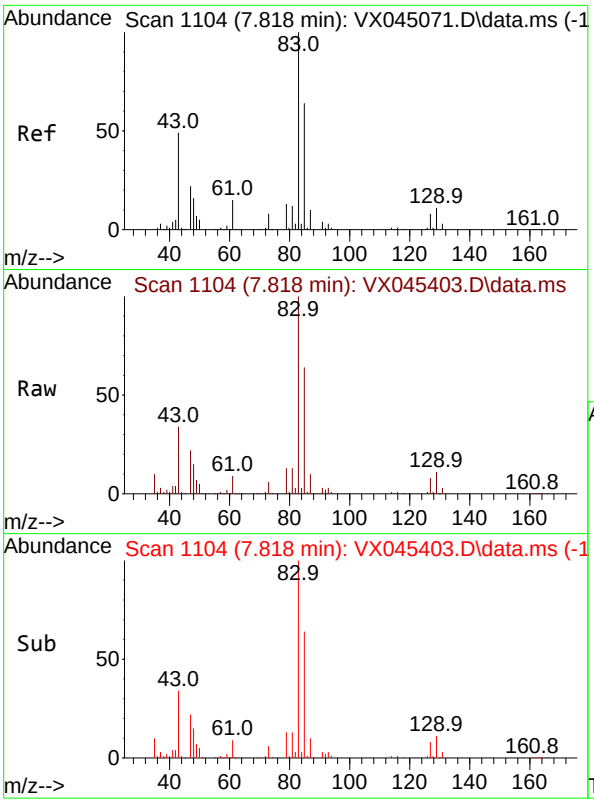


#46
Dibromomethane
Concen: 56.369 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VX045403.D
Acq: 24 Mar 2025 10:26

Tgt Ion: 93 Resp: 50529

Ion	Ratio	Lower	Upper
93	100		
95	81.9	65.8	98.8
174	85.1	72.2	108.2

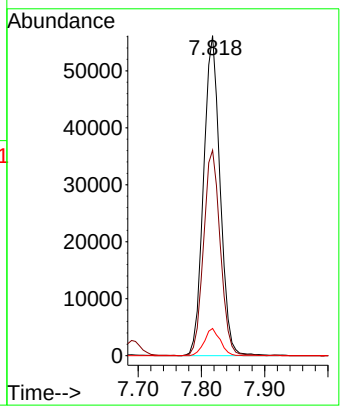




#47
Bromodichloromethane
Concen: 57.970 ug/l
RT: 7.818 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045403.D
Acq: 24 Mar 2025 10:26

Tgt Ion: 83 Resp: 10192

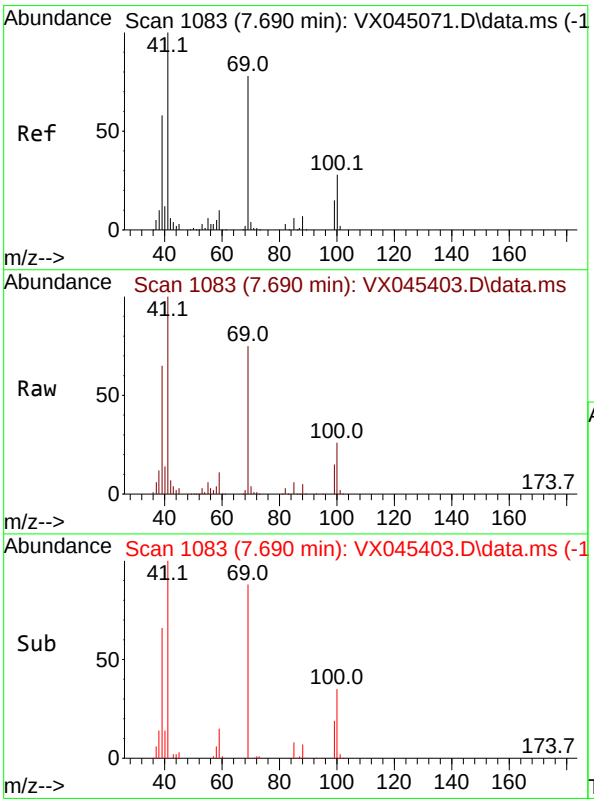
Ion	Ratio	Lower	Upper
83	100		
85	64.2	51.1	76.7
127	8.5	6.4	9.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

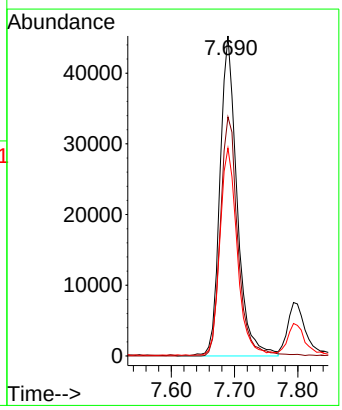
Reviewed By :John Carlone 03/25/2025
Supervised By :Mahesh Dadoda 03/25/2025

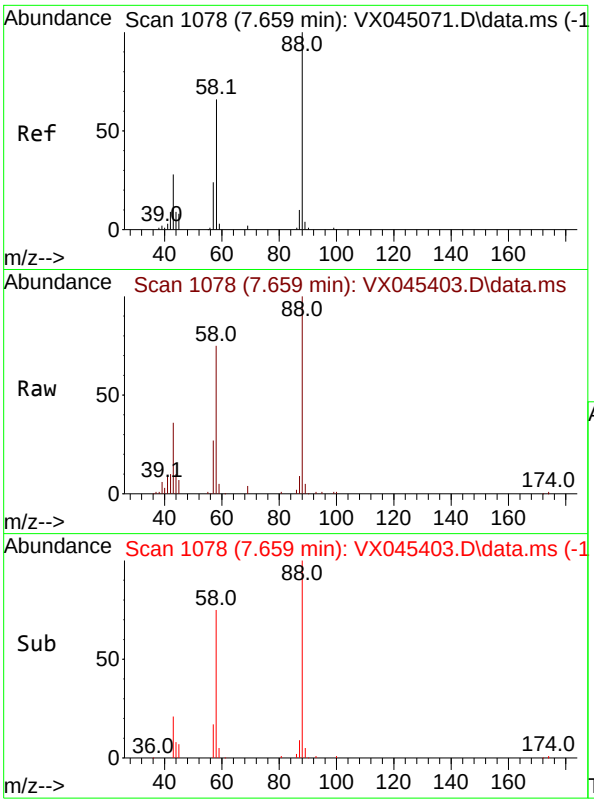


#48
Methyl methacrylate
Concen: 56.723 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. -0.000 min
Lab File: VX045403.D
Acq: 24 Mar 2025 10:26

Tgt Ion: 41 Resp: 84700

Ion	Ratio	Lower	Upper
41	100		
69	76.6	63.0	94.6
39	65.5	47.5	71.3





#49
1,4-Dioxane
Concen: 938.957 ug/l
RT: 7.659 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045403.D
Acq: 24 Mar 2025 10:26

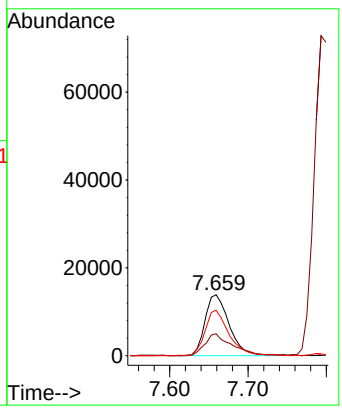
Tgt Ion: 88 Resp: 2957

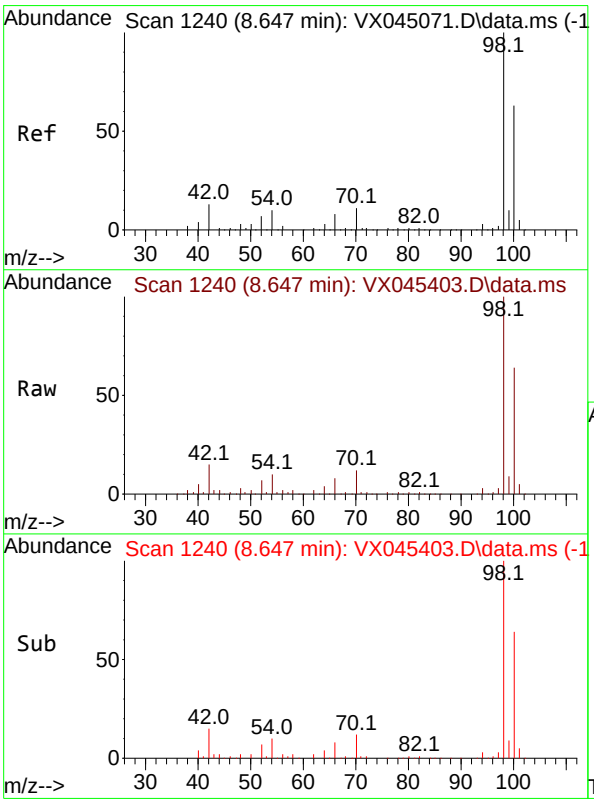
Ion	Ratio	Lower	Upper
88	100		
43	41.2	28.7	43.1
58	73.9	55.8	83.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/25/2025
Supervised By :Mahesh Dadoda 03/25/2025

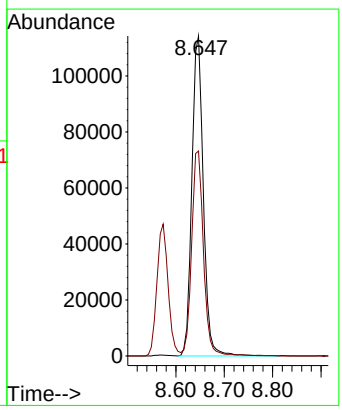


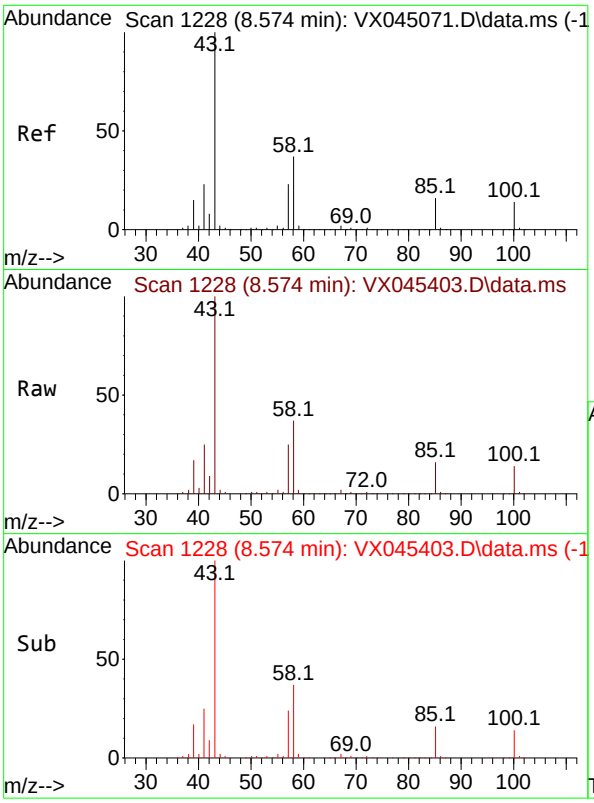


#50
Toluene-d8
Concen: 45.462 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045403.D
Acq: 24 Mar 2025 10:26

Tgt Ion: 98 Resp: 187729

Ion	Ratio	Lower	Upper
98	100		
100	65.9	52.0	78.0

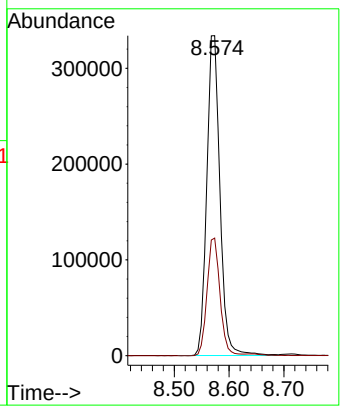




#51
4-Methyl-2-Pentanone
Concen: 277.605 ug/l
RT: 8.574 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045403.D
Acq: 24 Mar 2025 10:26

Tgt Ion: 43 Resp: 55478

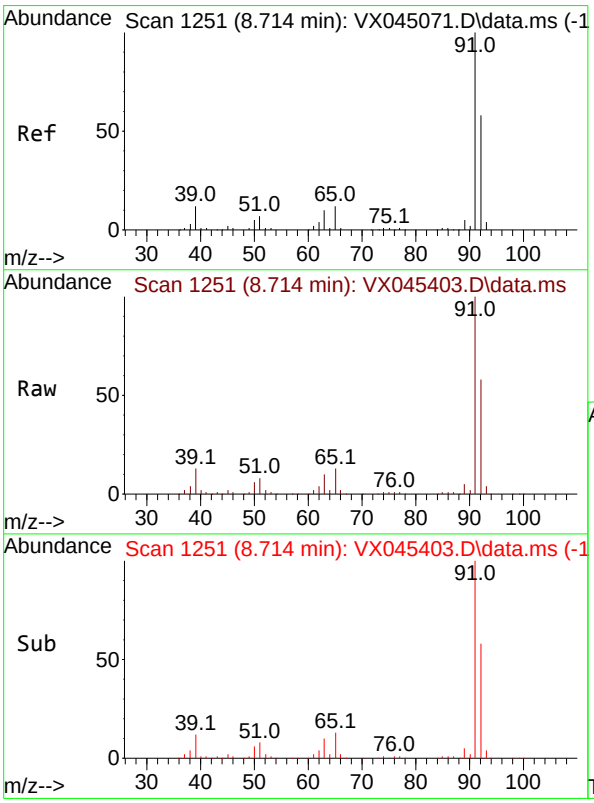
Ion	Ratio	Lower	Upper
43	100		
58	36.1	29.2	43.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

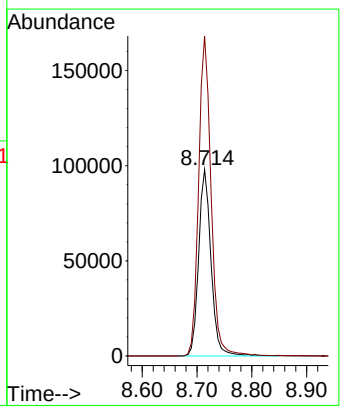
Reviewed By :John Carlone 03/25/2025
Supervised By :Mahesh Dadoda 03/25/2025

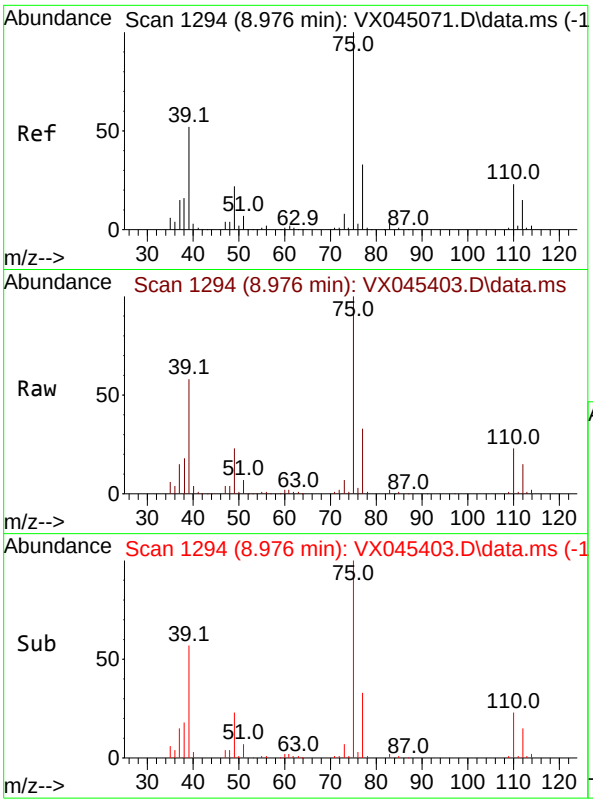


#52
Toluene
Concen: 53.210 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX045403.D
Acq: 24 Mar 2025 10:26

Tgt Ion: 92 Resp: 153991

Ion	Ratio	Lower	Upper
92	100		
91	172.6	138.9	208.3

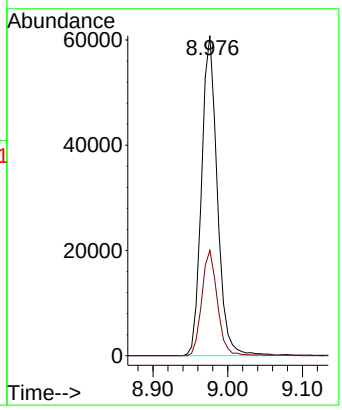




#53
t-1,3-Dichloropropene
Concen: 60.587 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045403.D
Acq: 24 Mar 2025 10:26

Tgt Ion: 75 Resp: 8905

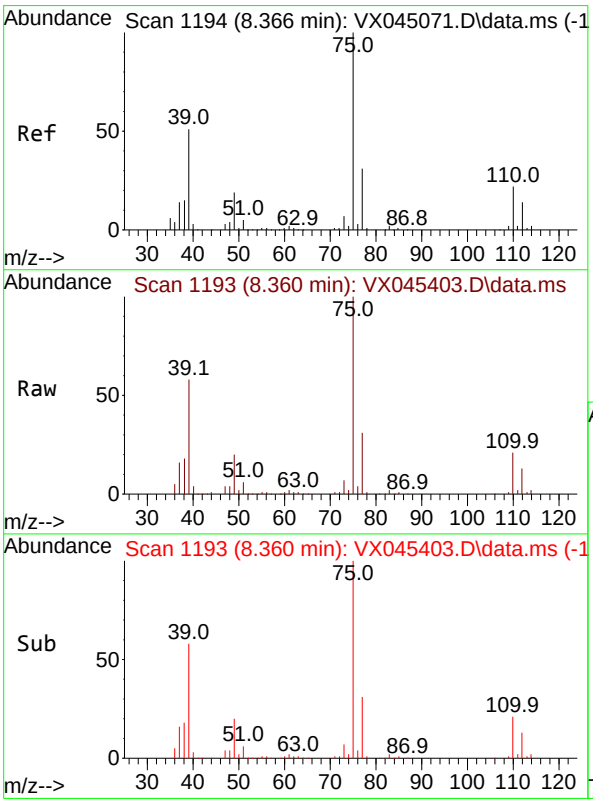
Ion	Ratio	Lower	Upper
75	100		
77	32.9	26.5	39.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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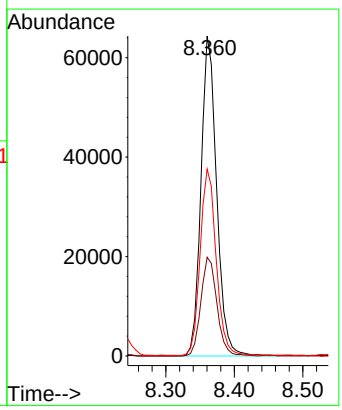
Reviewed By :John Carlone 03/25/2025
Supervised By :Mahesh Dadoda 03/25/2025

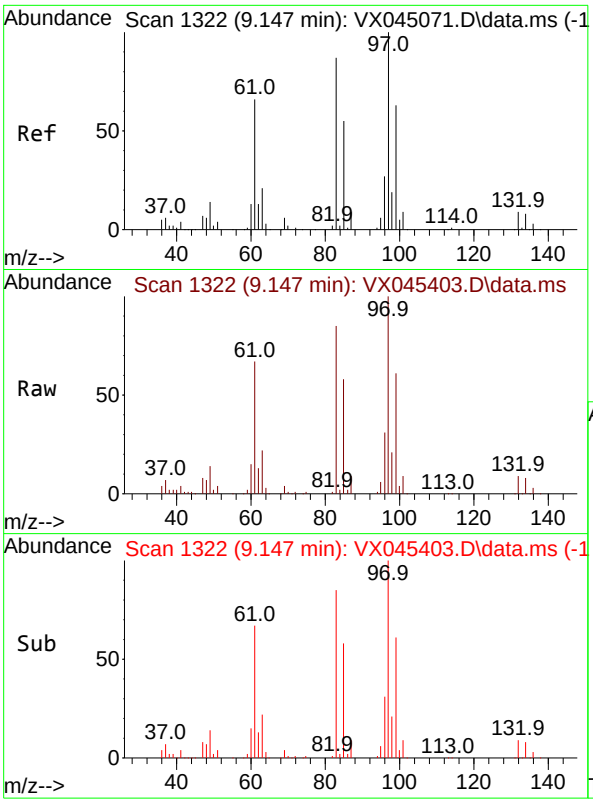


#54
cis-1,3-Dichloropropene
Concen: 59.782 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. -0.006 min
Lab File: VX045403.D
Acq: 24 Mar 2025 10:26

Tgt Ion: 75 Resp: 102470

Ion	Ratio	Lower	Upper
75	100		
77	30.9	24.7	37.1
39	58.3	40.7	61.1

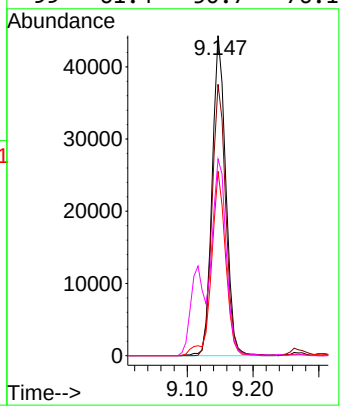




#55
1,1,2-Trichloroethane
Concen: 53.875 ug/l
RT: 9.147 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045403.D
Acq: 24 Mar 2025 10:26

Tgt Ion: 97 Resp: 6418

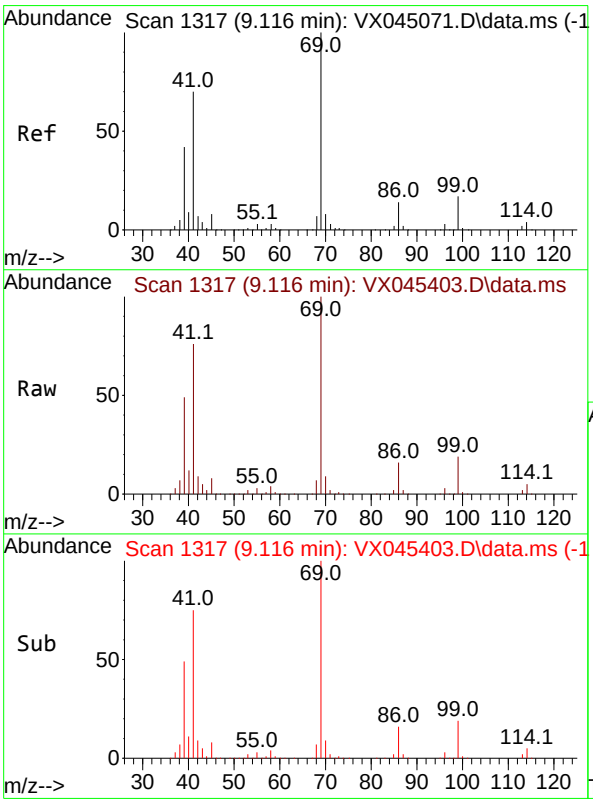
Ion	Ratio	Lower	Upper
97	100		
83	84.8	69.4	104.2
85	57.6	44.1	66.1
99	61.4	50.7	76.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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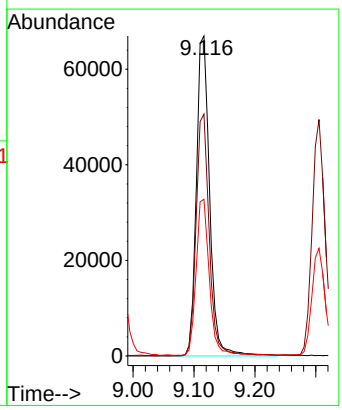
Reviewed By :John Carlone 03/25/2025
Supervised By :Mahesh Dadoda 03/25/2025

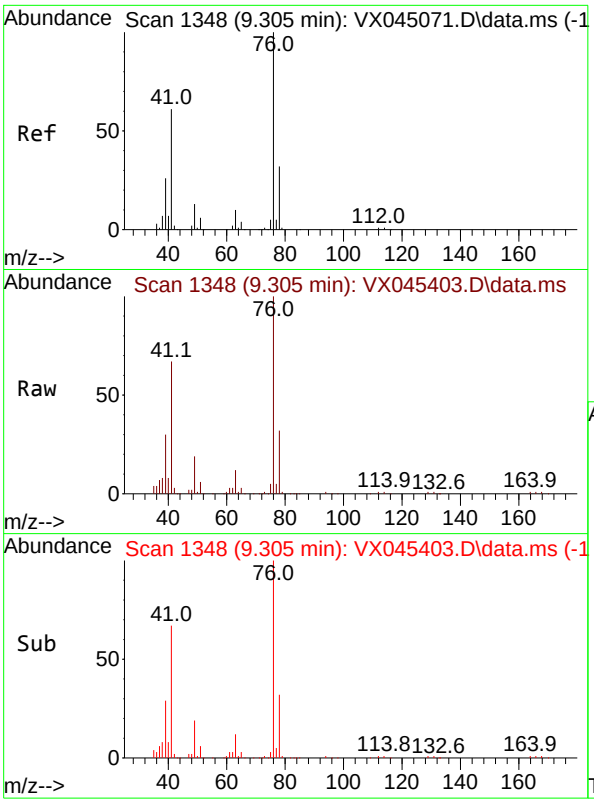


#56
Ethyl methacrylate
Concen: 55.830 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX045403.D
Acq: 24 Mar 2025 10:26

Tgt Ion: 69 Resp: 101110

Ion	Ratio	Lower	Upper
69	100		
41	74.7	57.0	85.4
39	48.9	34.2	51.4





#57
1,3-Dichloropropane
Concen: 53.035 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045403.D
Acq: 24 Mar 2025 10:26

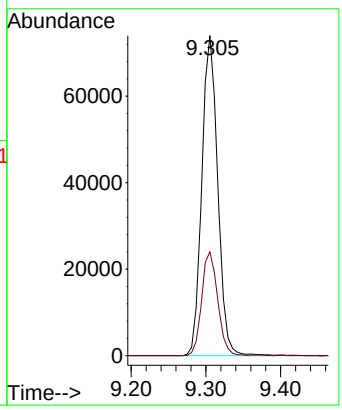
Tgt Ion: 76 Resp: 10934

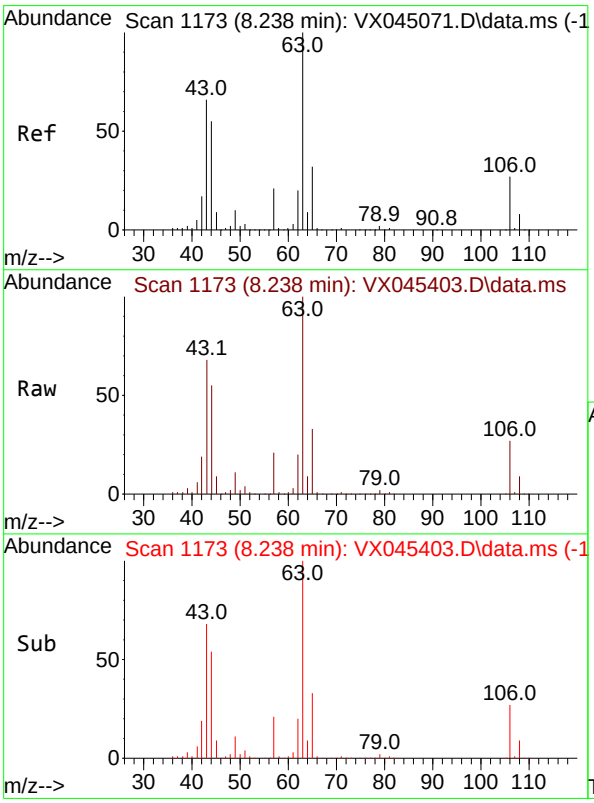
Ion	Ratio	Lower	Upper
76	100		
78	32.7	25.5	38.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :John Carlone 03/25/2025
Supervised By :Mahesh Dadoda 03/25/2025

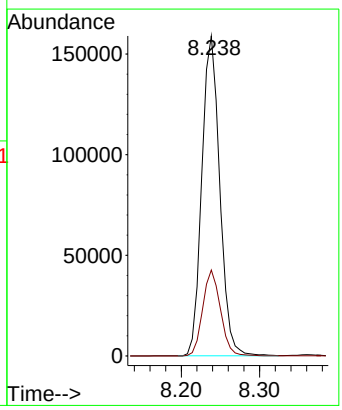


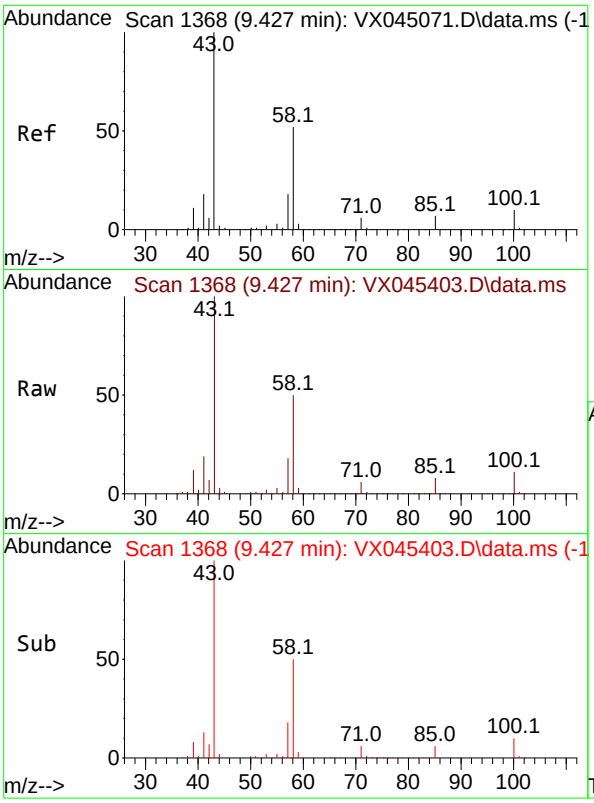


#58
2-Chloroethyl Vinyl ether
Concen: 286.123 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX045403.D
Acq: 24 Mar 2025 10:26

Tgt Ion: 63 Resp: 252770

Ion	Ratio	Lower	Upper
63	100		
106	26.6	21.5	32.3

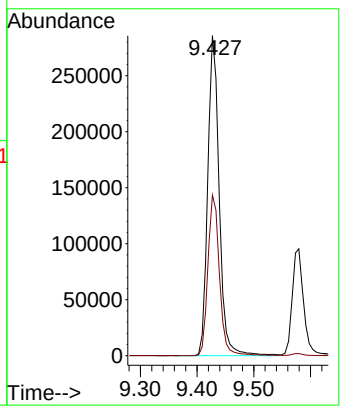




#59
2-Hexanone
Concen: 276.873 ug/l
RT: 9.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045403.D
Acq: 24 Mar 2025 10:26

Tgt Ion: 43 Resp: 40090

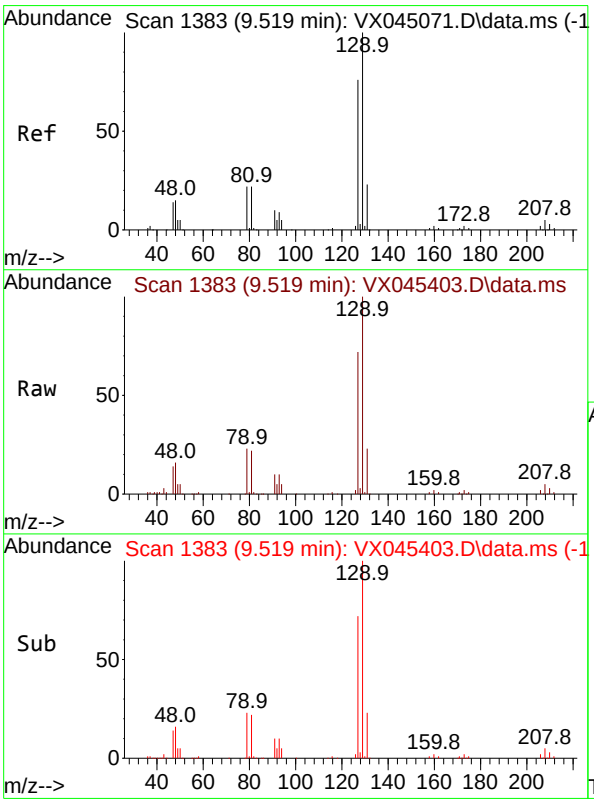
Ion	Ratio	Lower	Upper
43	100		
58	50.8	25.9	77.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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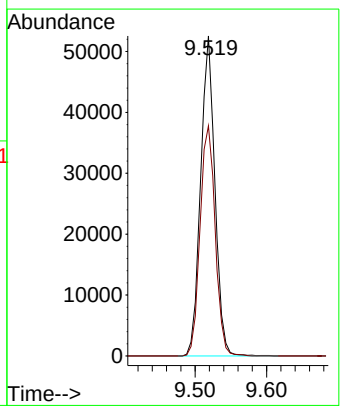
Reviewed By :John Carlone 03/25/2025
Supervised By :Mahesh Dadoda 03/25/2025

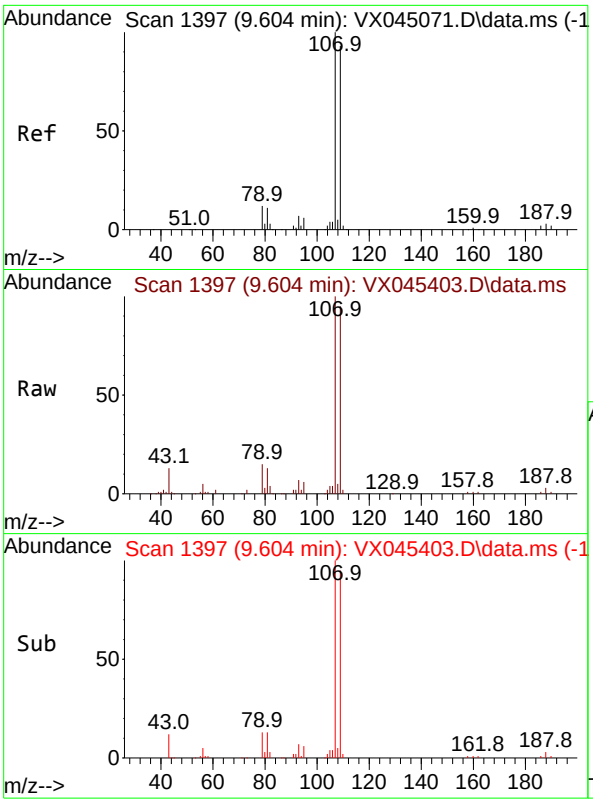


#60
Dibromochloromethane
Concen: 58.480 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX045403.D
Acq: 24 Mar 2025 10:26

Tgt Ion:129 Resp: 72850

Ion	Ratio	Lower	Upper
129	100		
127	76.1	38.5	115.5





#61
1,2-Dibromoethane
Concen: 53.921 ug/l
RT: 9.604 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045403.D
Acq: 24 Mar 2025 10:26

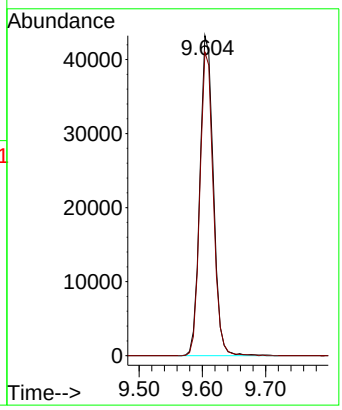
Tgt Ion:107 Resp: 6413

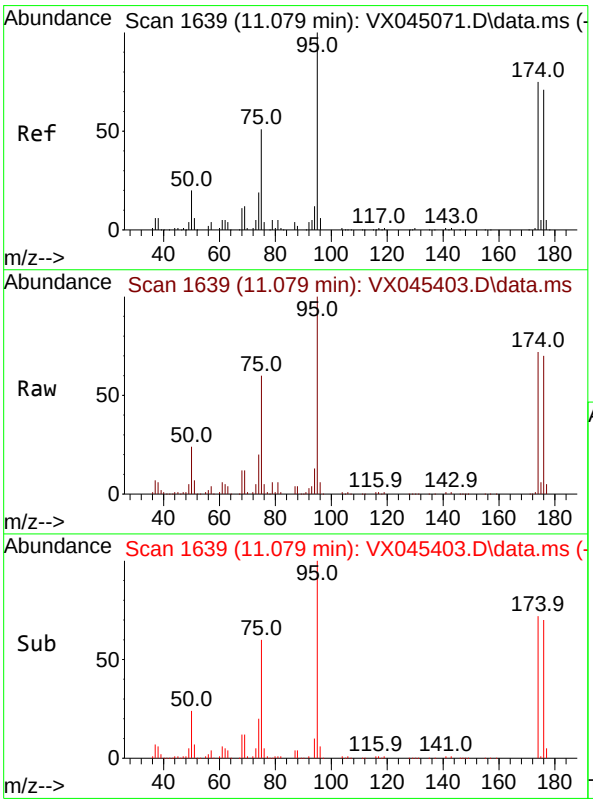
Ion	Ratio	Lower	Upper
107	100		
109	94.0	76.1	114.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :John Carlone 03/25/2025
Supervised By :Mahesh Dadoda 03/25/2025

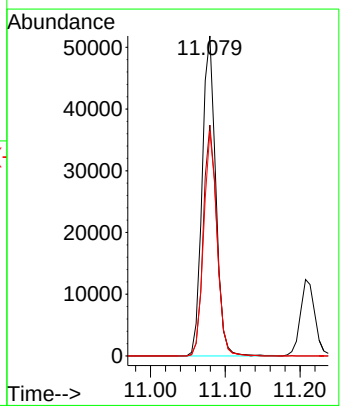


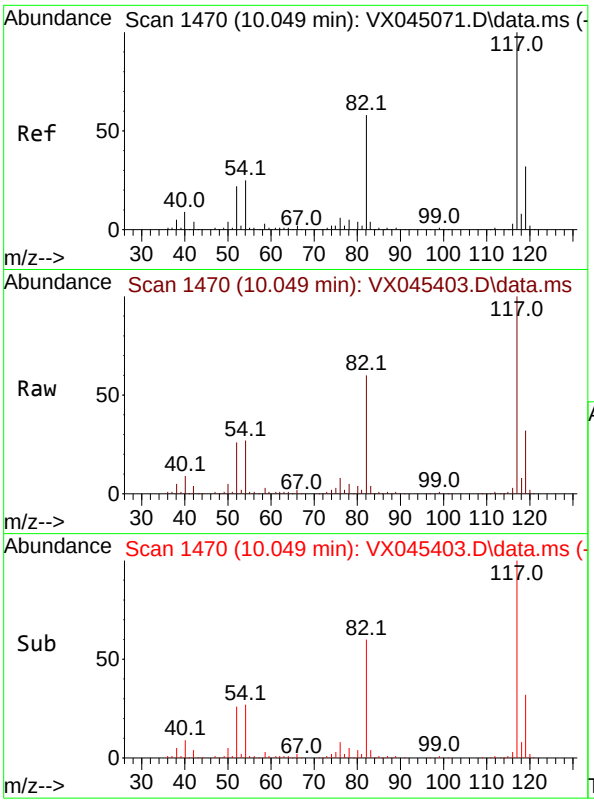


#62
4-Bromofluorobenzene
Concen: 47.783 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045403.D
Acq: 24 Mar 2025 10:26

Tgt Ion: 95 Resp: 65383

Ion	Ratio	Lower	Upper
95	100		
174	71.6	0.0	148.2
176	68.8	0.0	141.4

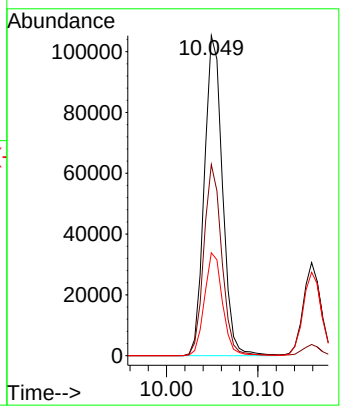




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045403.D
Acq: 24 Mar 2025 10:26

Tgt Ion:117 Resp: 14470

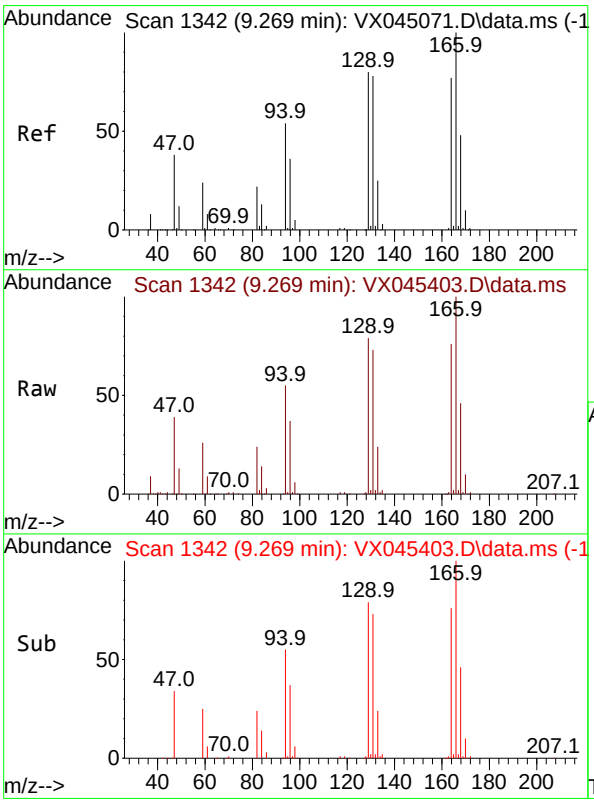
Ion	Ratio	Lower	Upper
117	100		
82	59.8	46.3	69.5
119	32.2	25.7	38.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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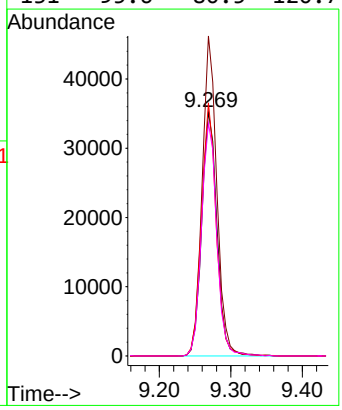
Reviewed By :John Carlone 03/25/2025
Supervised By :Mahesh Dadoda 03/25/2025

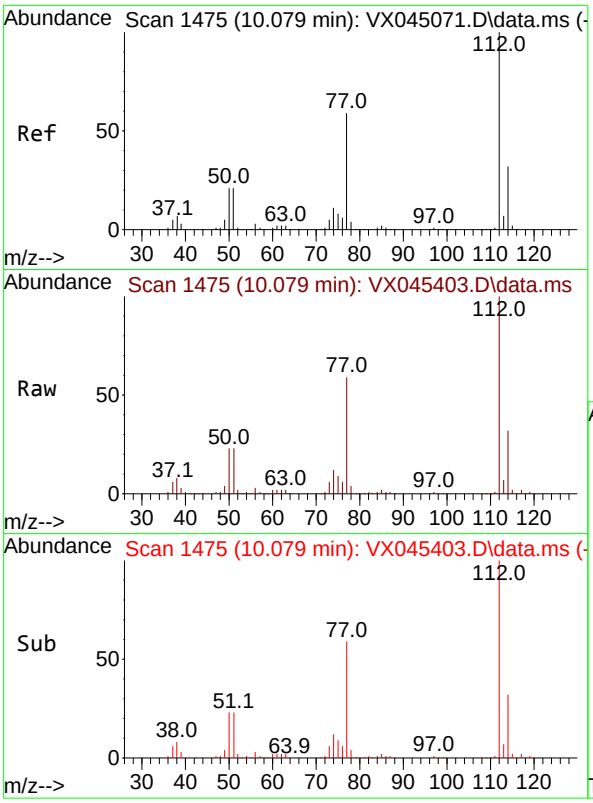


#64
Tetrachloroethene
Concen: 56.216 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX045403.D
Acq: 24 Mar 2025 10:26

Tgt Ion:164 Resp: 52101

Ion	Ratio	Lower	Upper
164	100		
166	131.4	103.6	155.4
129	103.9	82.7	124.1
131	95.6	80.5	120.7

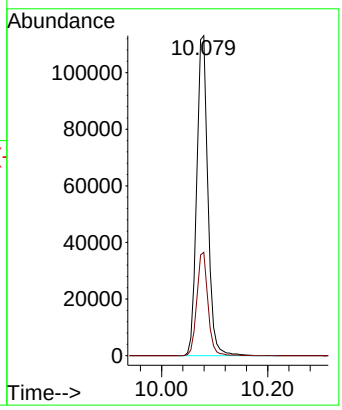




#65
Chlorobenzene
Concen: 54.012 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045403.D
Acq: 24 Mar 2025 10:26

Tgt Ion:112 Resp: 16538

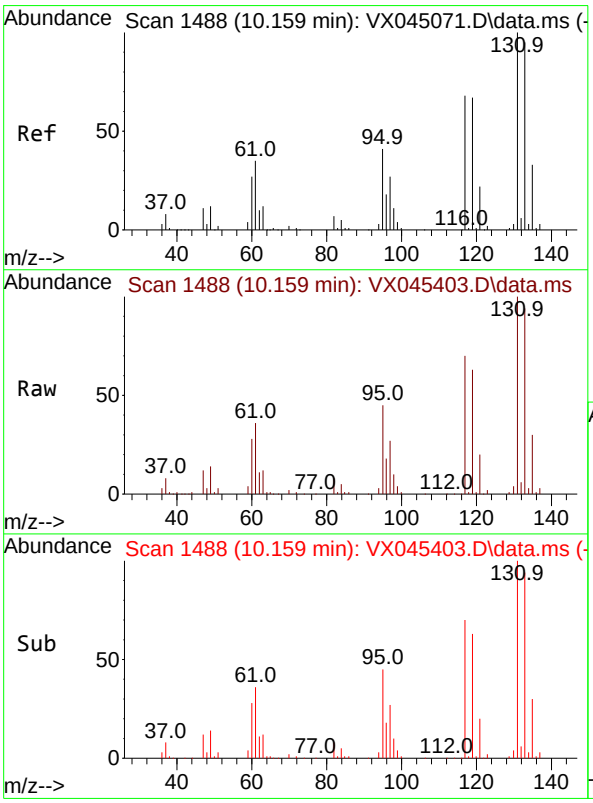
Ion	Ratio	Lower	Upper
112	100		
114	32.3	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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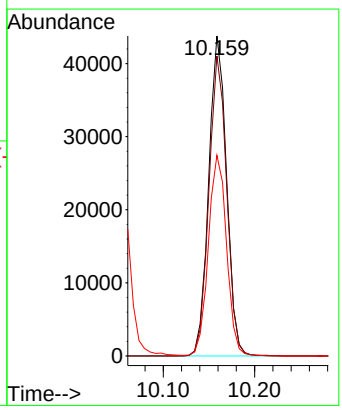
Reviewed By :John Carlone 03/25/2025
Supervised By :Mahesh Dadoda 03/25/2025

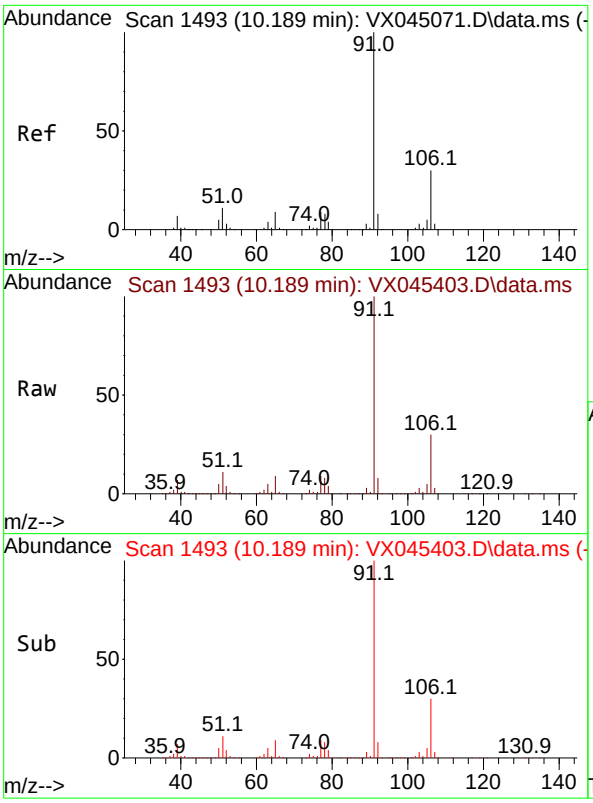


#66
1,1,1,2-Tetrachloroethane
Concen: 57.988 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX045403.D
Acq: 24 Mar 2025 10:26

Tgt Ion:131 Resp: 59131

Ion	Ratio	Lower	Upper
131	100		
133	93.8	48.6	145.9
119	64.1	33.9	101.7





#67
Ethyl Benzene
Concen: 56.103 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045403.D
Acq: 24 Mar 2025 10:26

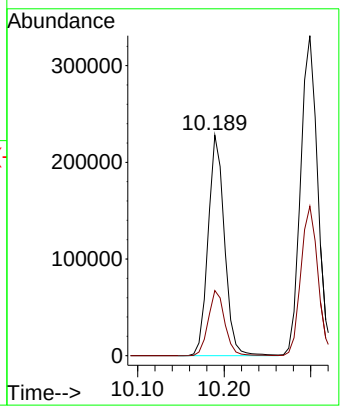
Tgt Ion: 91 Resp: 29933

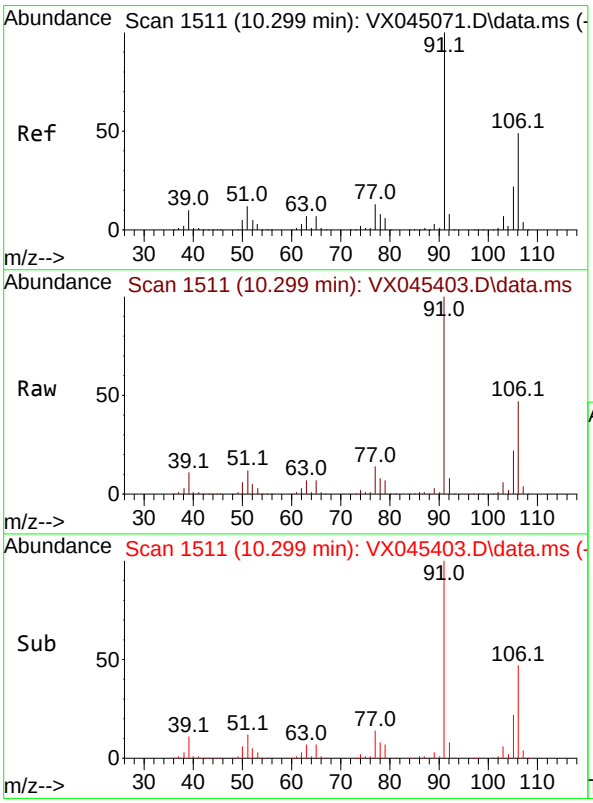
Ion	Ratio	Lower	Upper
91	100		
106	29.5	23.9	35.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :John Carlone 03/25/2025
Supervised By :Mahesh Dadoda 03/25/2025

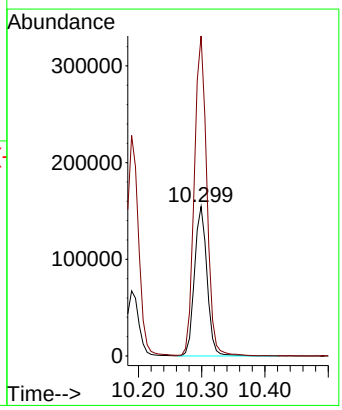


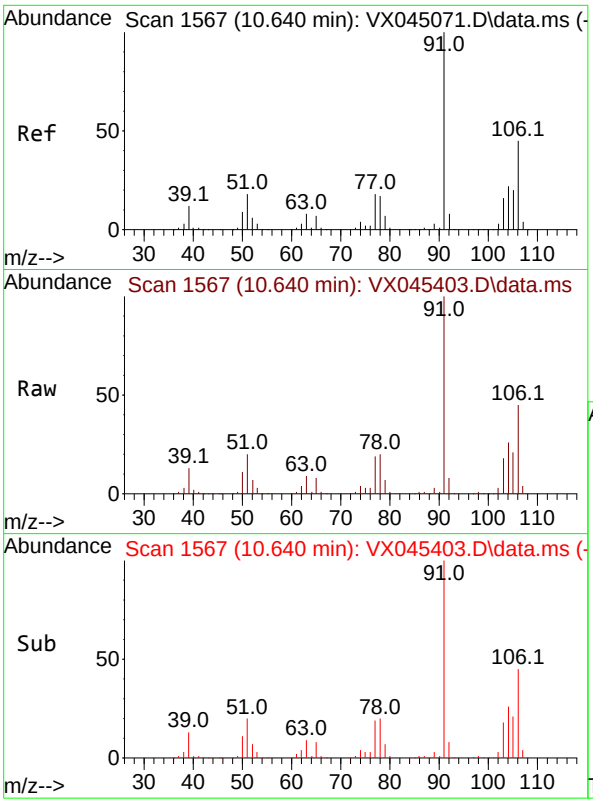


#68
m/p-Xylenes
Concen: 109.407 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX045403.D
Acq: 24 Mar 2025 10:26

Tgt Ion:106 Resp: 213687

Ion	Ratio	Lower	Upper
106	100		
91	213.6	165.4	248.0

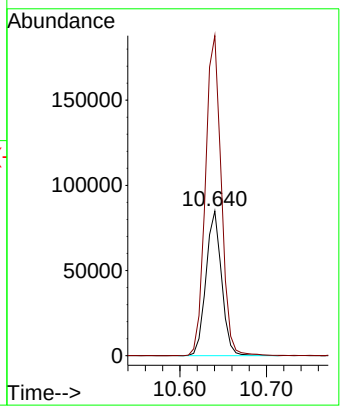




#69
o-Xylene
Concen: 53.945 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045403.D
Acq: 24 Mar 2025 10:26

Tgt Ion:106 Resp: 10626

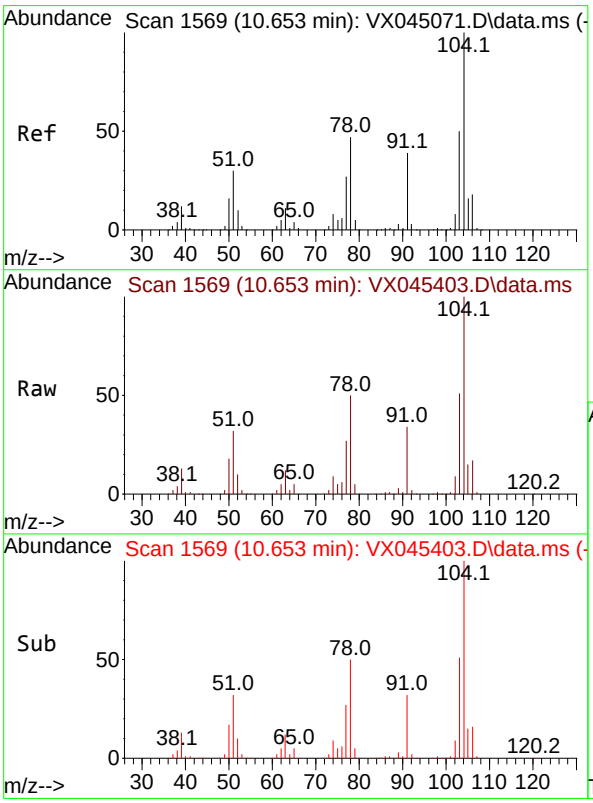
Ion	Ratio	Lower	Upper
106	100		
91	225.3	109.9	329.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

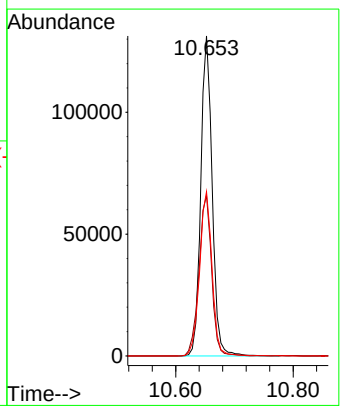
Reviewed By :John Carlone 03/25/2025
Supervised By :Mahesh Dadoda 03/25/2025

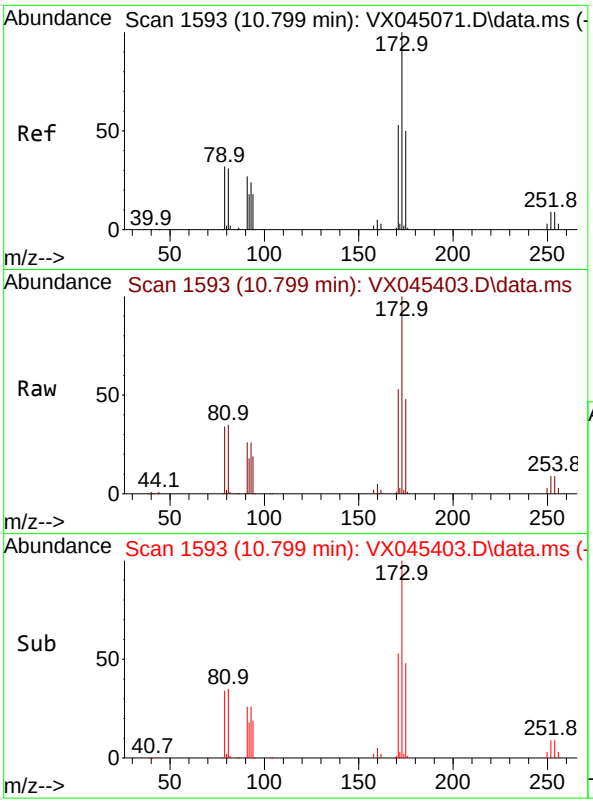


#70
Styrene
Concen: 55.422 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX045403.D
Acq: 24 Mar 2025 10:26

Tgt Ion:104 Resp: 176650

Ion	Ratio	Lower	Upper
104	100		
78	56.1	42.2	63.4
103	56.3	43.8	65.8

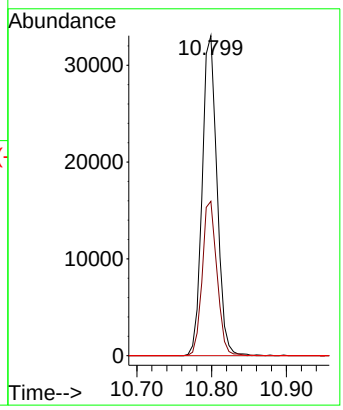




#71
Bromoform
Concen: 59.086 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045403.D
Acq: 24 Mar 2025 10:26

Tgt Ion:173 Resp: 4543

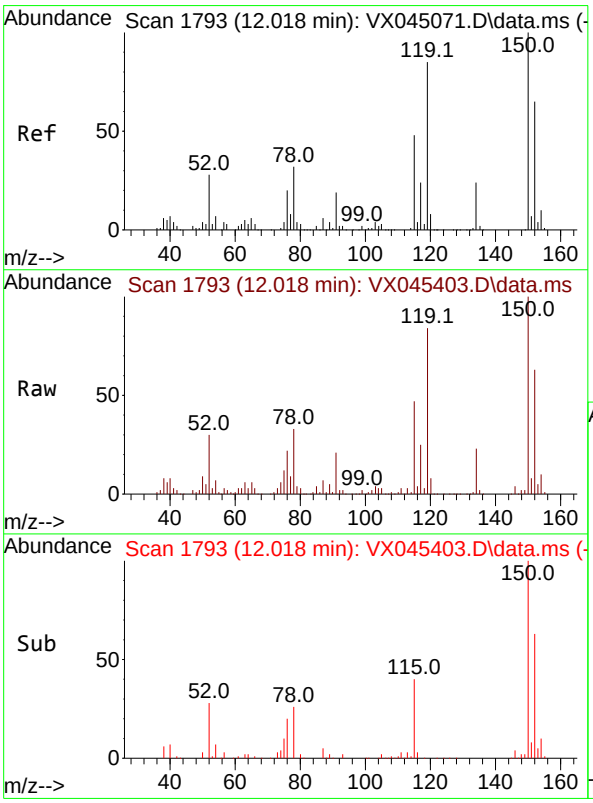
Ion	Ratio	Lower	Upper
173	100		
175	48.0	24.6	73.6
254	0.0	0.0	0.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

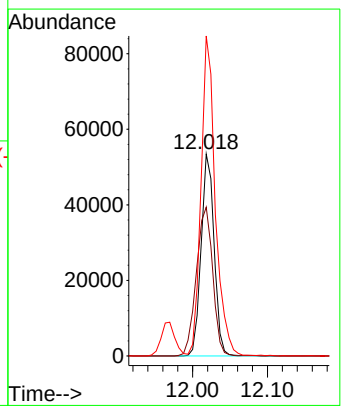
Reviewed By :John Carlone 03/25/2025
Supervised By :Mahesh Dadoda 03/25/2025

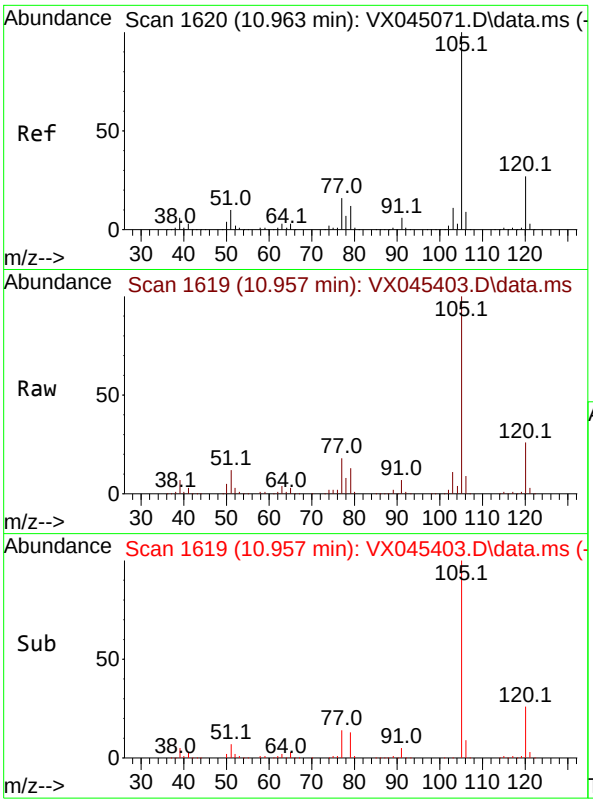


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045403.D
Acq: 24 Mar 2025 10:26

Tgt Ion:152 Resp: 64628

Ion	Ratio	Lower	Upper
152	100		
115	92.6	44.2	132.6
150	172.9	0.0	349.0

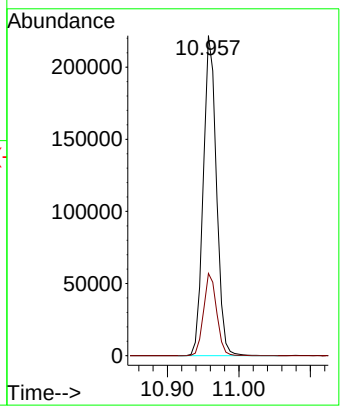




#73
Isopropylbenzene
Concen: 56.200 ug/l
RT: 10.957 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045403.D
Acq: 24 Mar 2025 10:26

Tgt Ion:105 Resp: 28349

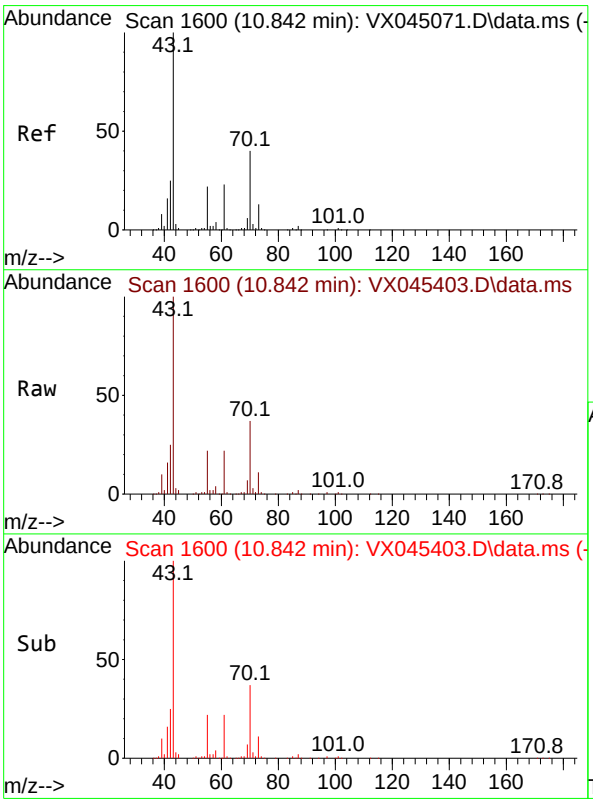
Ion	Ratio	Lower	Upper
105	100		
120	25.6	13.2	39.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

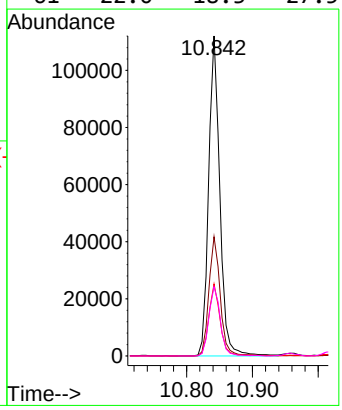
Reviewed By :John Carlone 03/25/2025
Supervised By :Mahesh Dadoda 03/25/2025

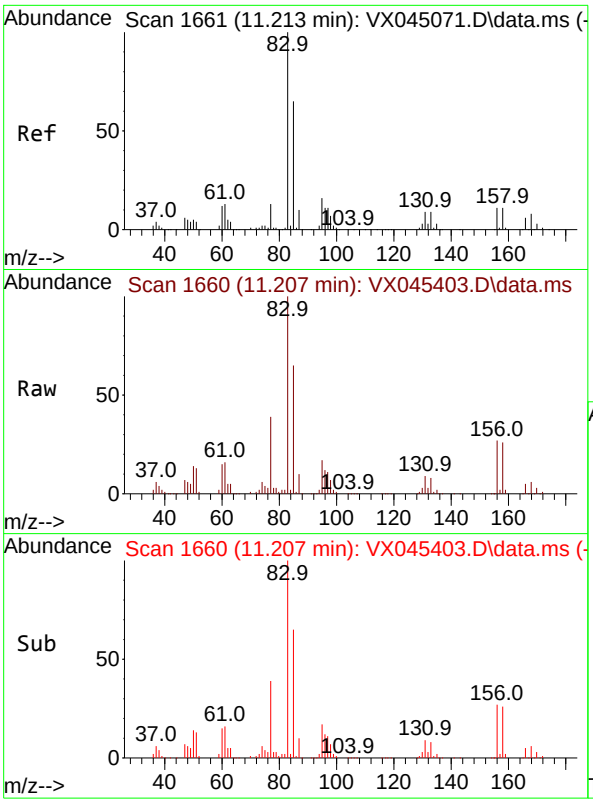


#74
N-amyl acetate
Concen: 56.106 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX045403.D
Acq: 24 Mar 2025 10:26

Tgt Ion: 43 Resp: 132802

Ion	Ratio	Lower	Upper
43	100		
70	37.9	31.8	47.6
55	22.9	18.3	27.5
61	22.0	18.3	27.5

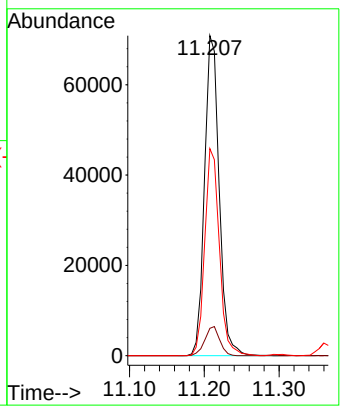




#75
1,1,2,2-Tetrachloroethane
Concen: 52.104 ug/l
RT: 11.207 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045403.D
Acq: 24 Mar 2025 10:26

Tgt Ion: 83 Resp: 9645

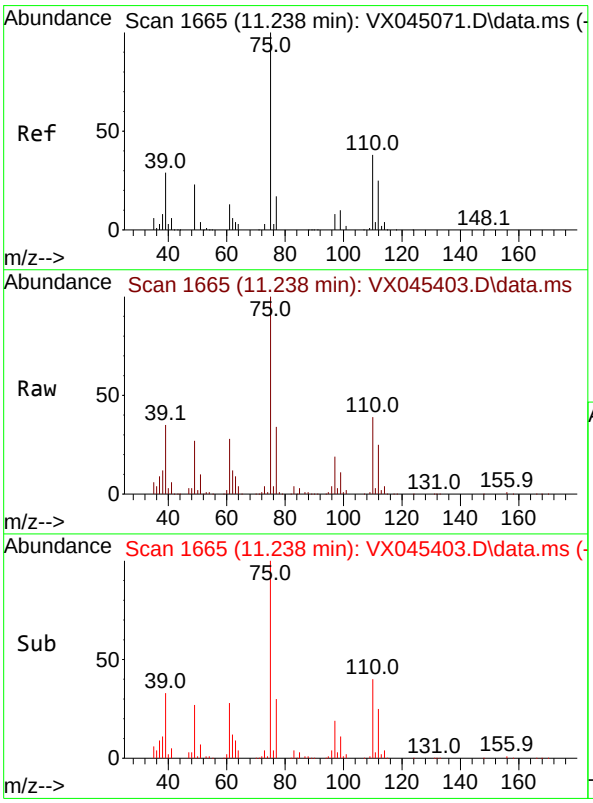
Ion	Ratio	Lower	Upper
83	100		
131	9.3	4.5	13.4
85	64.6	31.7	95.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

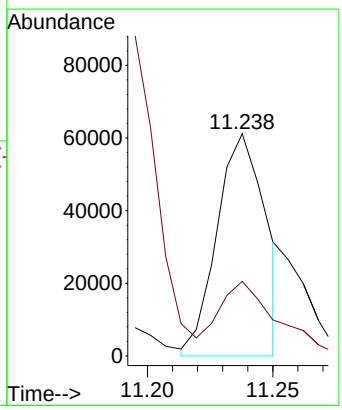
Reviewed By :John Carlone 03/25/2025
Supervised By :Mahesh Dadoda 03/25/2025

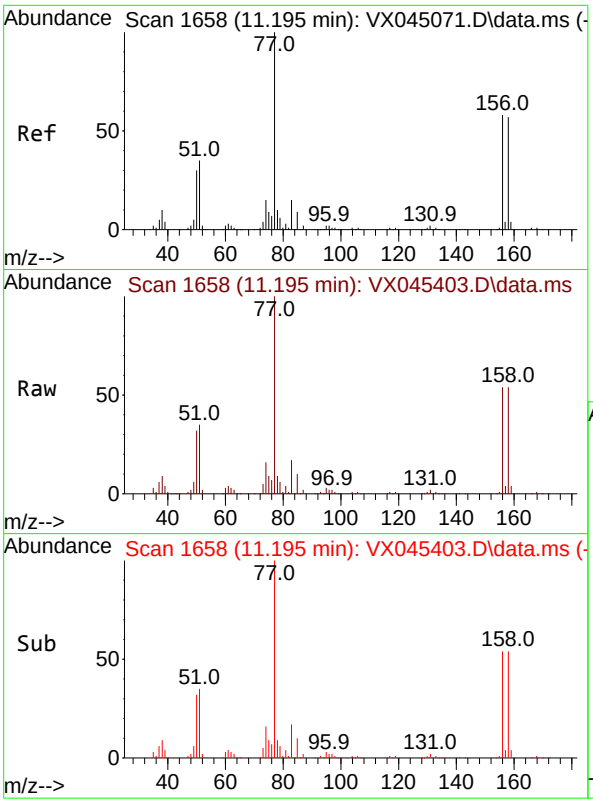


#76
1,2,3-Trichloropropane
Concen: 54.697 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX045403.D
Acq: 24 Mar 2025 10:26

Tgt Ion: 75 Resp: 82277

Ion	Ratio	Lower	Upper
75	100		
77	40.8	20.7	62.1

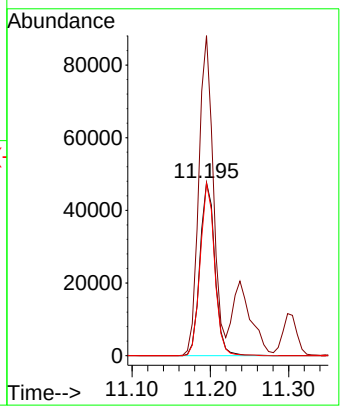




#77
Bromobenzene
Concen: 52.766 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045403.D
Acq: 24 Mar 2025 10:26

Tgt Ion:156 Resp: 6280

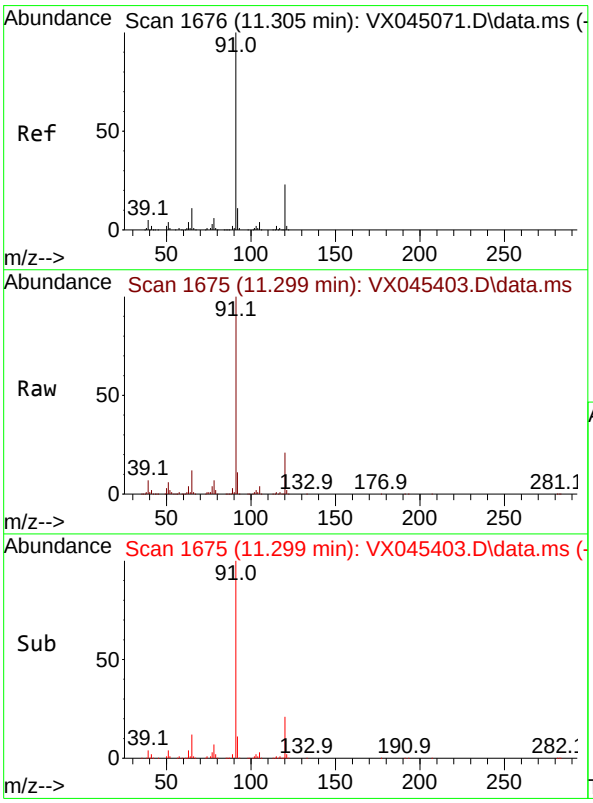
Ion	Ratio	Lower	Upper
156	100		
77	180.8	85.8	257.4
158	96.5	48.4	145.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

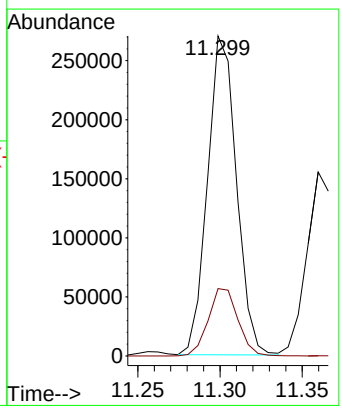
Reviewed By :John Carlone 03/25/2025
Supervised By :Mahesh Dadoda 03/25/2025

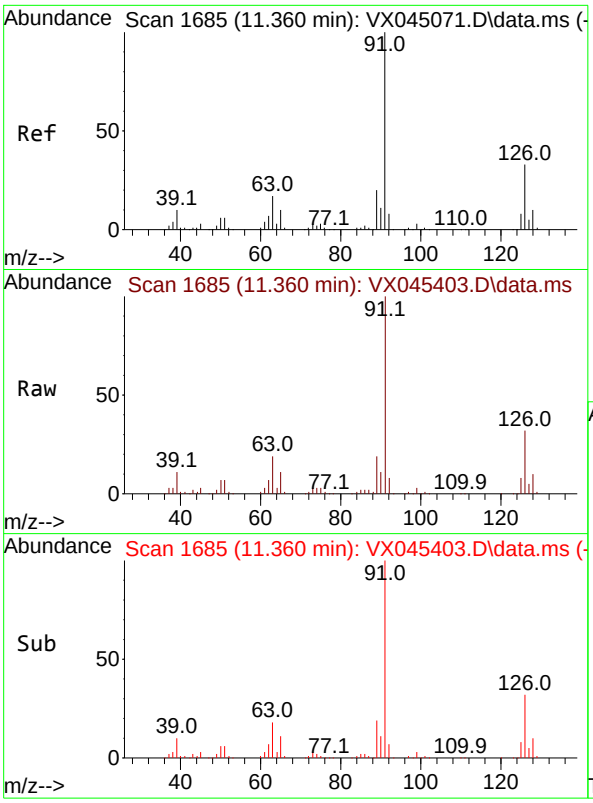


#78
n-propylbenzene
Concen: 57.979 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. -0.006 min
Lab File: VX045403.D
Acq: 24 Mar 2025 10:26

Tgt Ion: 91 Resp: 330384

Ion	Ratio	Lower	Upper
91	100		
120	21.7	11.2	33.6

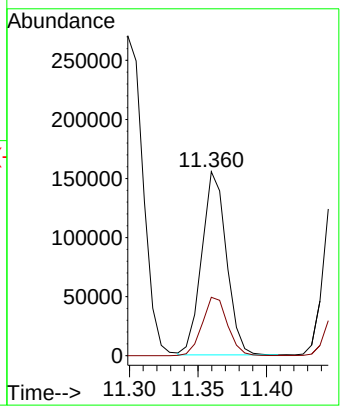




#79
2-Chlorotoluene
Concen: 53.714 ug/l
RT: 11.360 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045403.D
Acq: 24 Mar 2025 10:26

Tgt Ion: 91 Resp: 19492

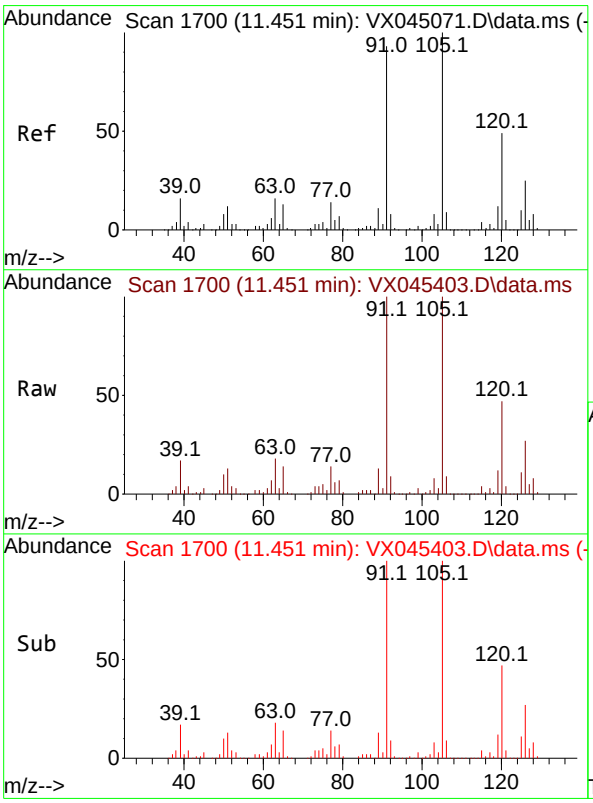
Ion	Ratio	Lower	Upper
91	100		
126	32.8	16.4	49.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

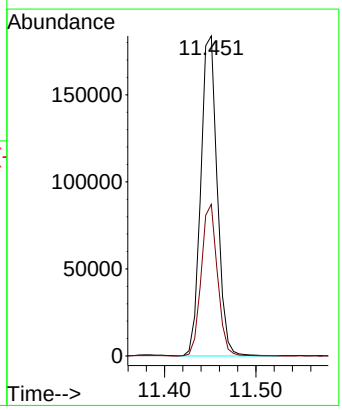
Reviewed By :John Carlone 03/25/2025
Supervised By :Mahesh Dadoda 03/25/2025

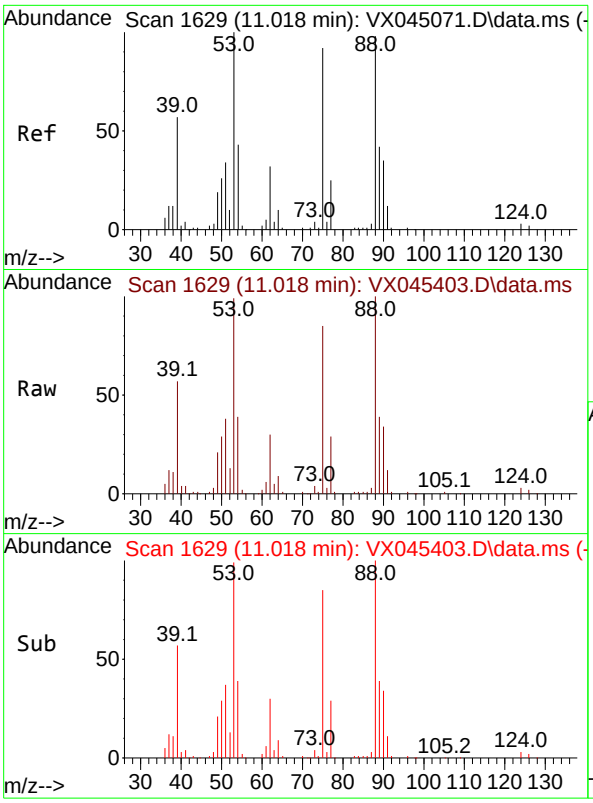


#80
1,3,5-Trimethylbenzene
Concen: 56.168 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045403.D
Acq: 24 Mar 2025 10:26

Tgt Ion:105 Resp: 229097

Ion	Ratio	Lower	Upper
105	100		
120	46.9	24.1	72.2

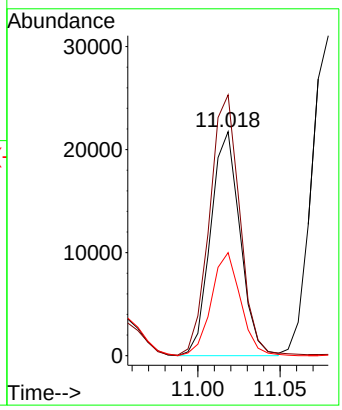




#81
trans-1,4-Dichloro-2-butene
Concen: 61.668 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045403.D
Acq: 24 Mar 2025 10:26

Tgt Ion: 75 Resp: 2710

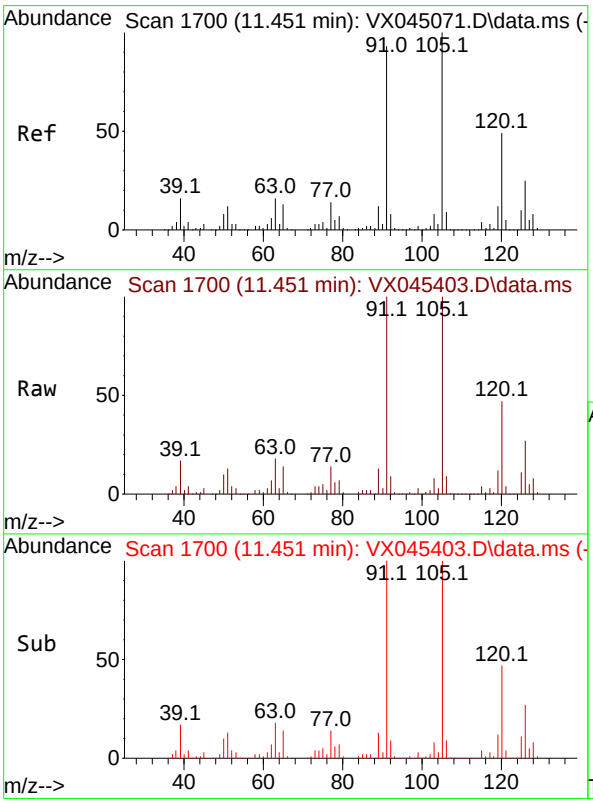
Ion	Ratio	Lower	Upper
75	100		
53	120.0	88.5	132.7
89	45.6	36.2	54.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

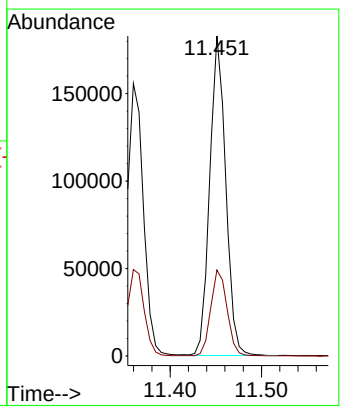
Reviewed By :John Carlone 03/25/2025
Supervised By :Mahesh Dadoda 03/25/2025

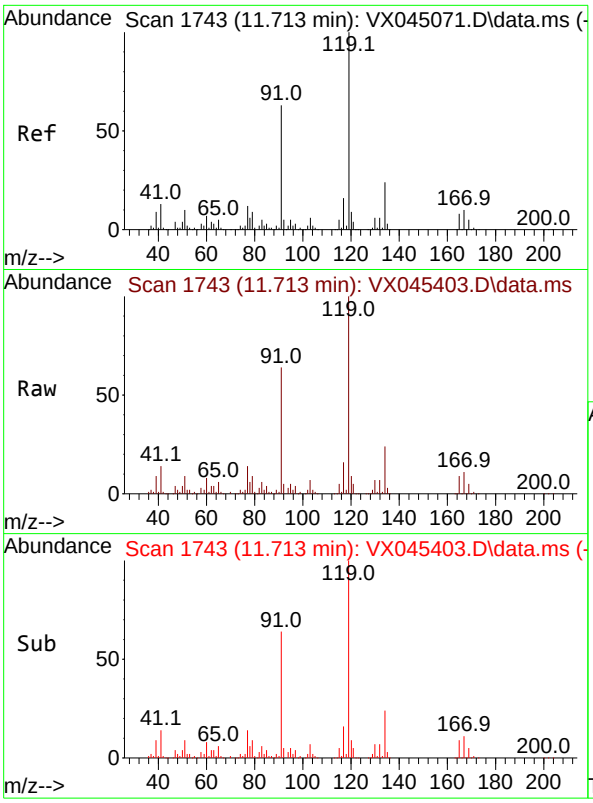


#82
4-Chlorotoluene
Concen: 56.066 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045403.D
Acq: 24 Mar 2025 10:26

Tgt Ion: 91 Resp: 221752

Ion	Ratio	Lower	Upper
91	100		
126	27.6	14.1	42.4

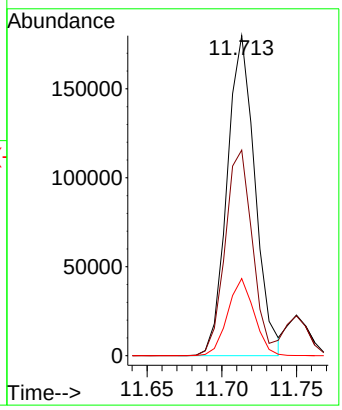




#83
tert-Butylbenzene
Concen: 55.618 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045403.D
Acq: 24 Mar 2025 10:26

Tgt Ion:119 Resp: 23308

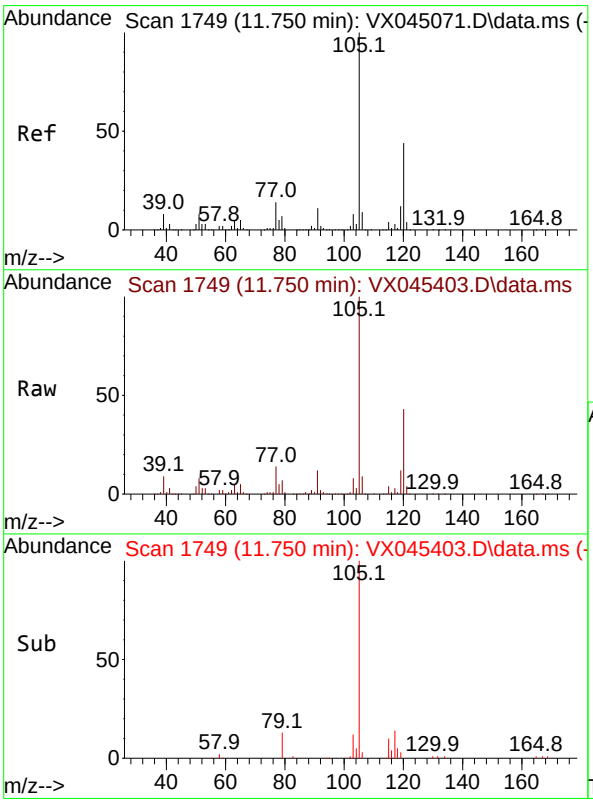
Ion	Ratio	Lower	Upper
119	100		
91	62.7	30.7	92.1
134	22.9	11.7	35.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

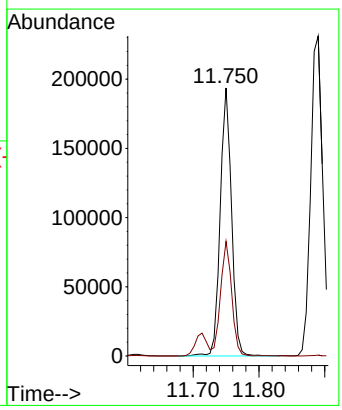
Reviewed By :John Carlone 03/25/2025
Supervised By :Mahesh Dadoda 03/25/2025

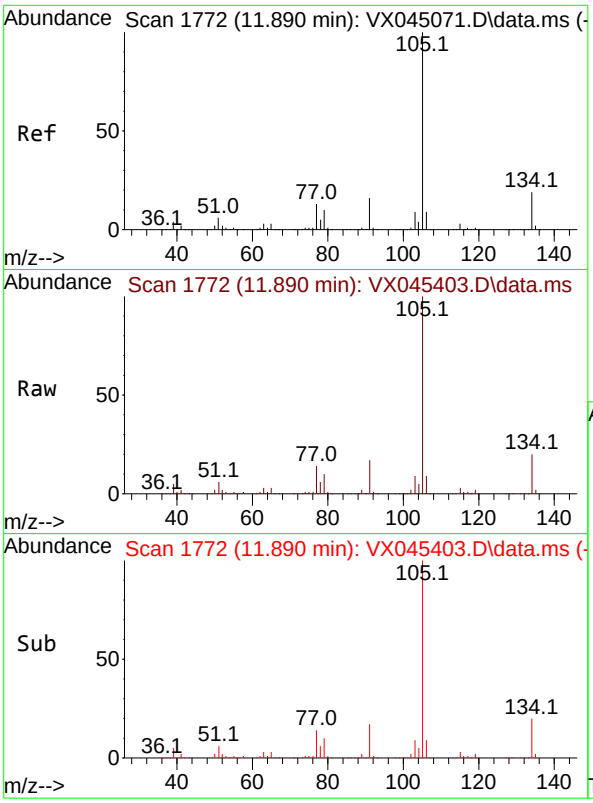


#84
1,2,4-Trimethylbenzene
Concen: 56.359 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX045403.D
Acq: 24 Mar 2025 10:26

Tgt Ion:105 Resp: 231302

Ion	Ratio	Lower	Upper
105	100		
120	42.2	22.1	66.1





#85
sec-Butylbenzene
Concen: 58.220 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045403.D
Acq: 24 Mar 2025 10:26

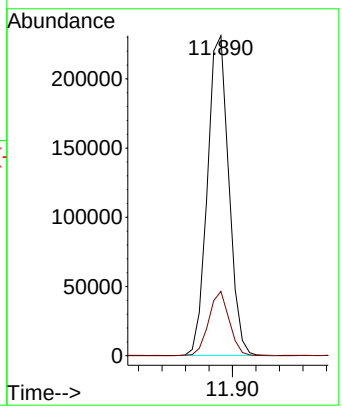
Tgt Ion:105 Resp: 29227

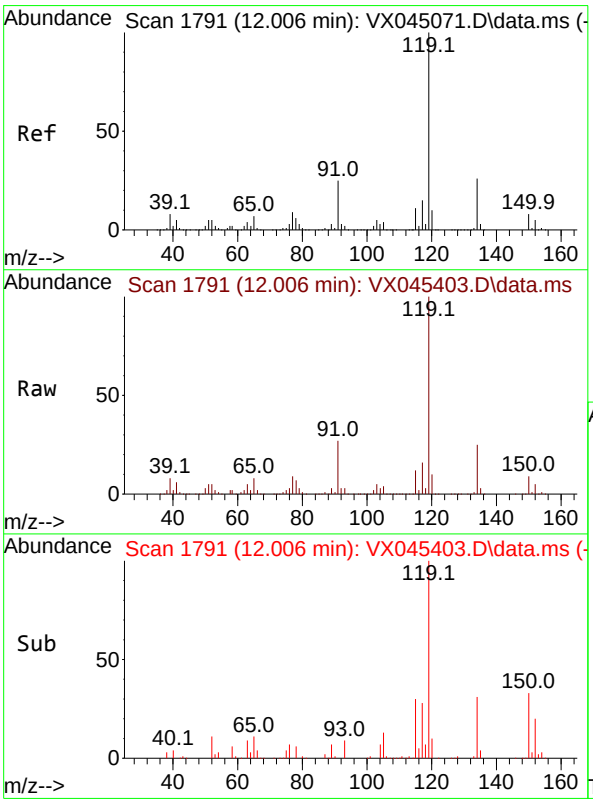
Ion	Ratio	Lower	Upper
105	100		
134	19.4	9.8	29.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/25/2025
Supervised By :Mahesh Dadoda 03/25/2025

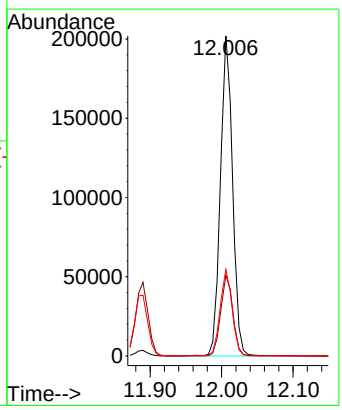


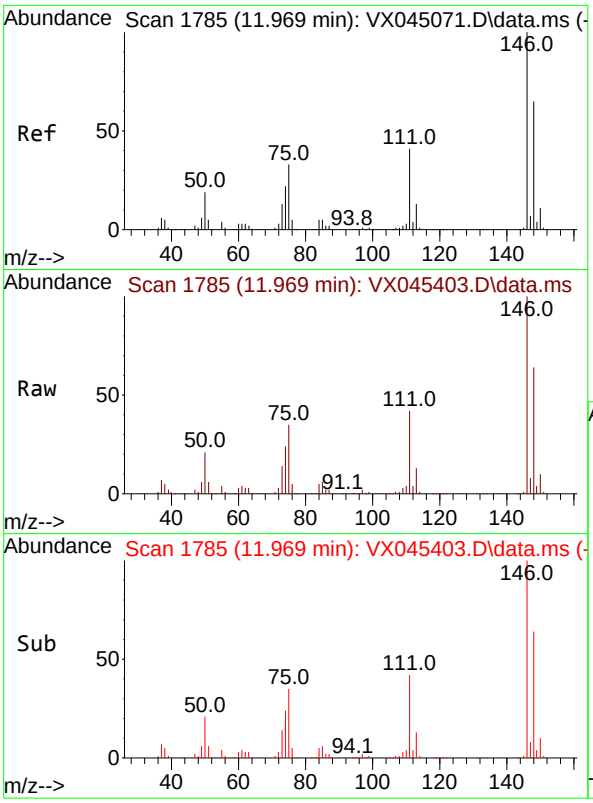


#86
p-Isopropyltoluene
Concen: 58.755 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX045403.D
Acq: 24 Mar 2025 10:26

Tgt Ion:119 Resp: 238364

Ion	Ratio	Lower	Upper
119	100		
134	25.2	12.9	38.6
91	26.4	12.7	38.0

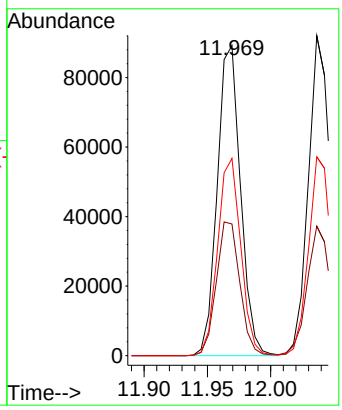




#87
1,3-Dichlorobenzene
Concen: 53.780 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045403.D
Acq: 24 Mar 2025 10:26

Tgt Ion:146 Resp: 11418

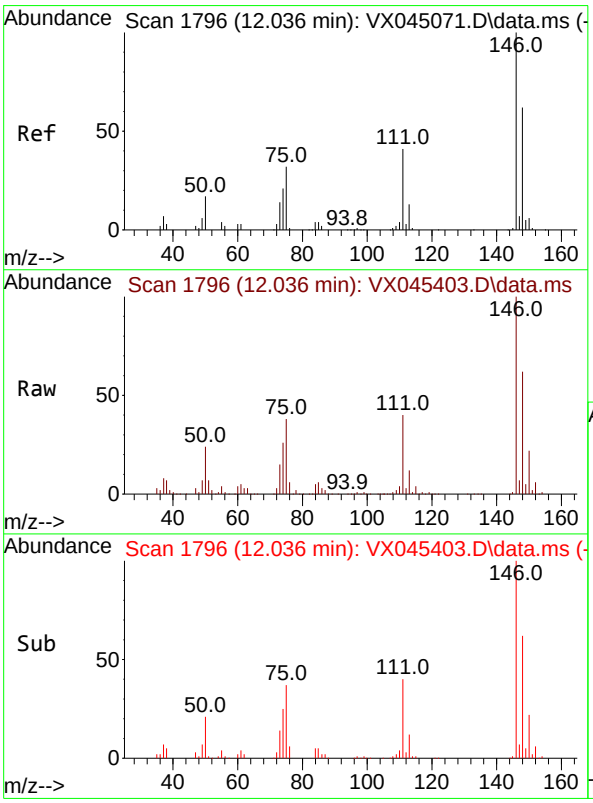
Ion	Ratio	Lower	Upper
146	100		
111	43.7	21.1	63.4
148	63.1	31.9	95.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

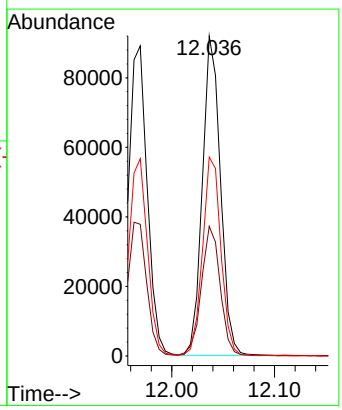
Reviewed By :John Carlone 03/25/2025
Supervised By :Mahesh Dadoda 03/25/2025

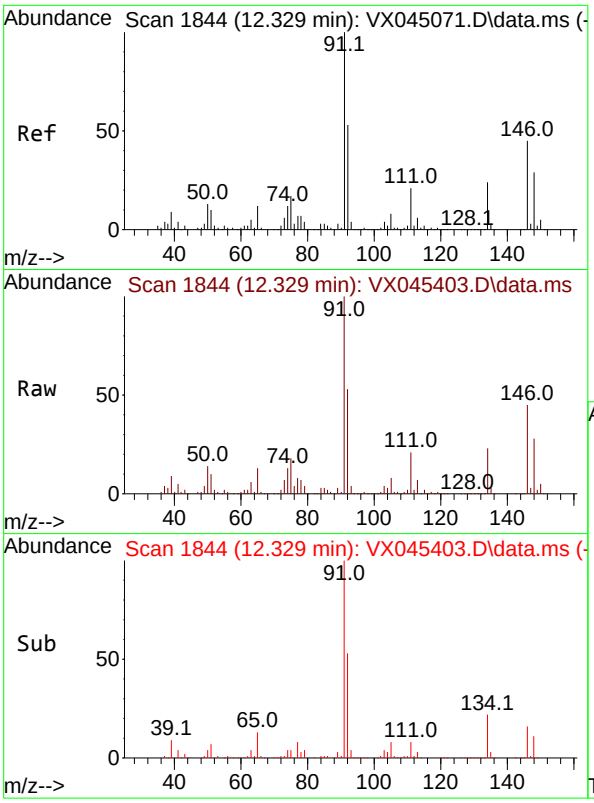


#88
1,4-Dichlorobenzene
Concen: 52.415 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. -0.000 min
Lab File: VX045403.D
Acq: 24 Mar 2025 10:26

Tgt Ion:146 Resp: 112591

Ion	Ratio	Lower	Upper
146	100		
111	42.2	20.2	60.5
148	63.7	31.9	95.9

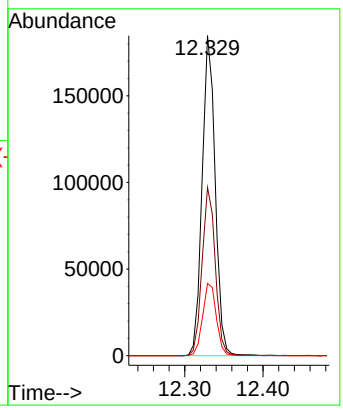




#89
n-Butylbenzene
Concen: 61.287 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045403.D
Acq: 24 Mar 2025 10:26

Tgt Ion: 91 Resp: 21414

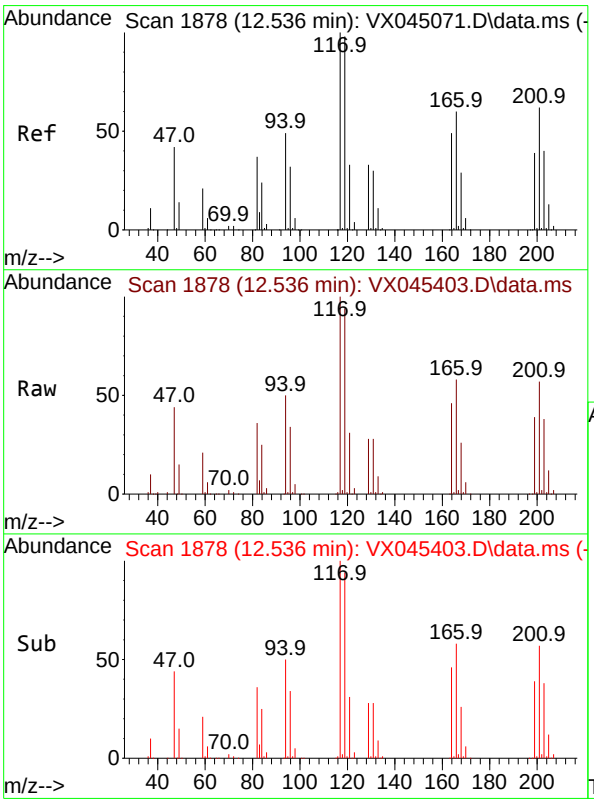
Ion	Ratio	Lower	Upper
91	100		
92	53.1	26.7	80.0
134	23.7	12.2	36.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

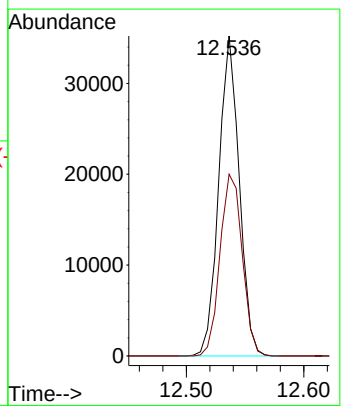
Reviewed By :John Carlone 03/25/2025
Supervised By :Mahesh Dadoda 03/25/2025

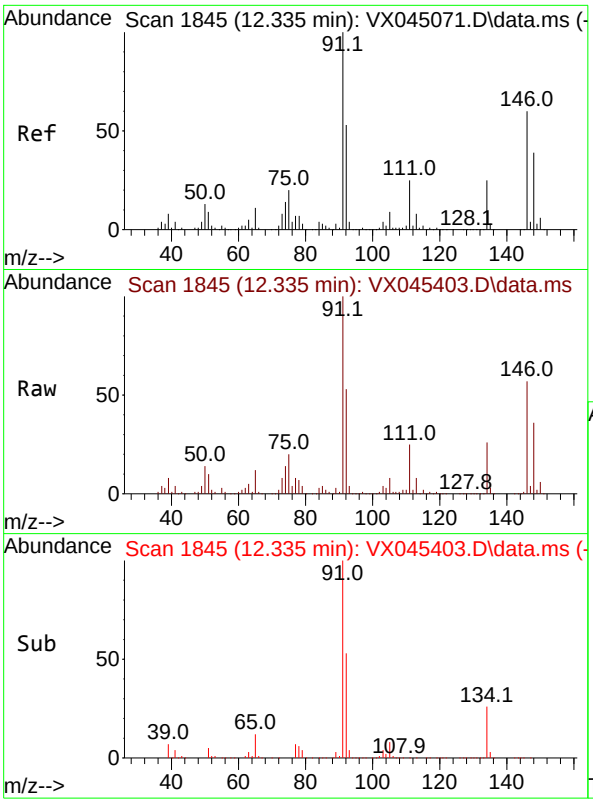


#90
Hexachloroethane
Concen: 58.191 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX045403.D
Acq: 24 Mar 2025 10:26

Tgt Ion:117 Resp: 42701

Ion	Ratio	Lower	Upper
117	100		
201	61.6	31.9	95.9

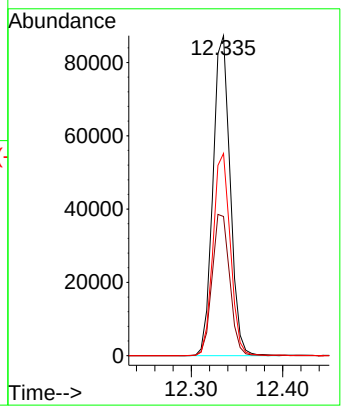




#91
1,2-Dichlorobenzene
Concen: 53.474 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045403.D
Acq: 24 Mar 2025 10:26

Tgt Ion:146 Resp: 11389

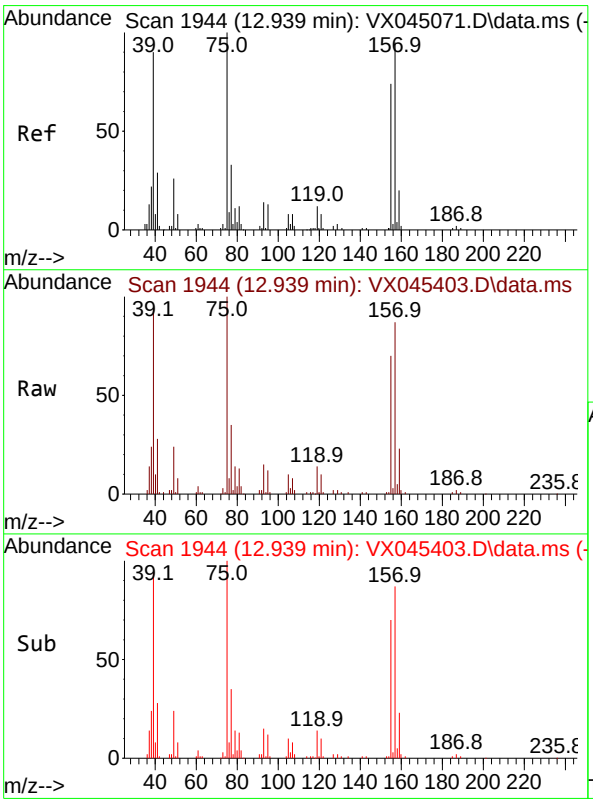
Ion	Ratio	Lower	Upper
146	100		
111	45.2	21.6	65.0
148	63.6	31.9	95.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

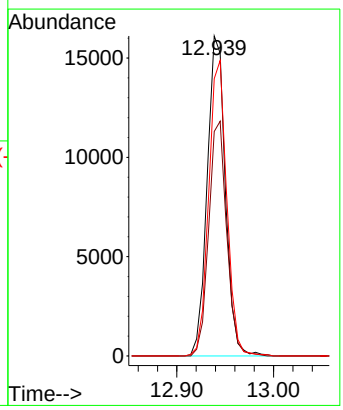
Reviewed By :John Carlone 03/25/2025
Supervised By :Mahesh Dadoda 03/25/2025

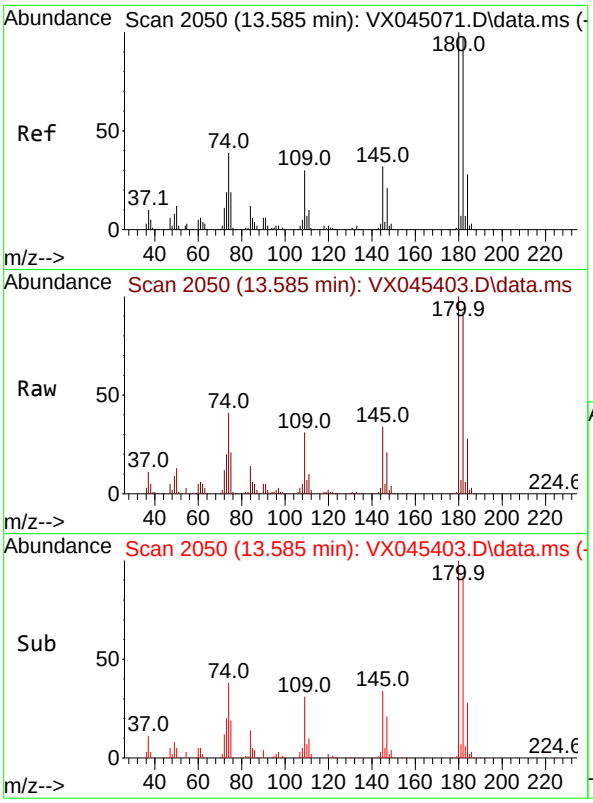


#92
1,2-Dibromo-3-Chloropropane
Concen: 58.606 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX045403.D
Acq: 24 Mar 2025 10:26

Tgt Ion: 75 Resp: 21135

Ion	Ratio	Lower	Upper
75	100		
155	72.4	39.6	118.7
157	91.5	51.1	153.4

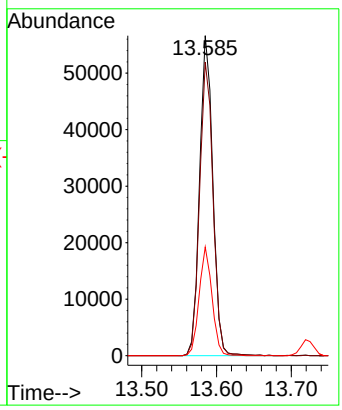




#93
1,2,4-Trichlorobenzene
Concen: 57.160 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045403.D
Acq: 24 Mar 2025 10:26

Tgt Ion:180 Resp: 6932

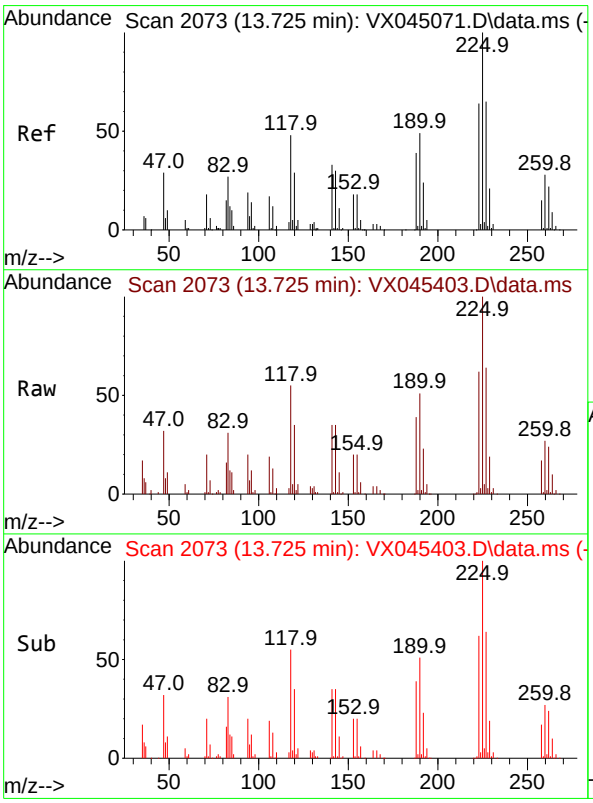
Ion	Ratio	Lower	Upper
180	100		
182	93.4	47.3	141.9
145	33.2	16.3	48.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

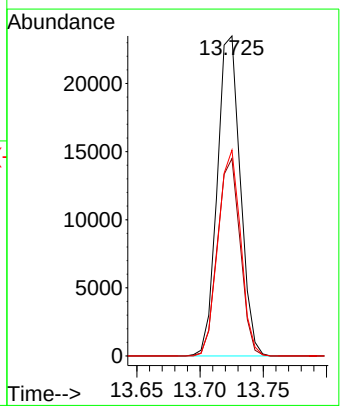
Reviewed By :John Carlone 03/25/2025
Supervised By :Mahesh Dadoda 03/25/2025

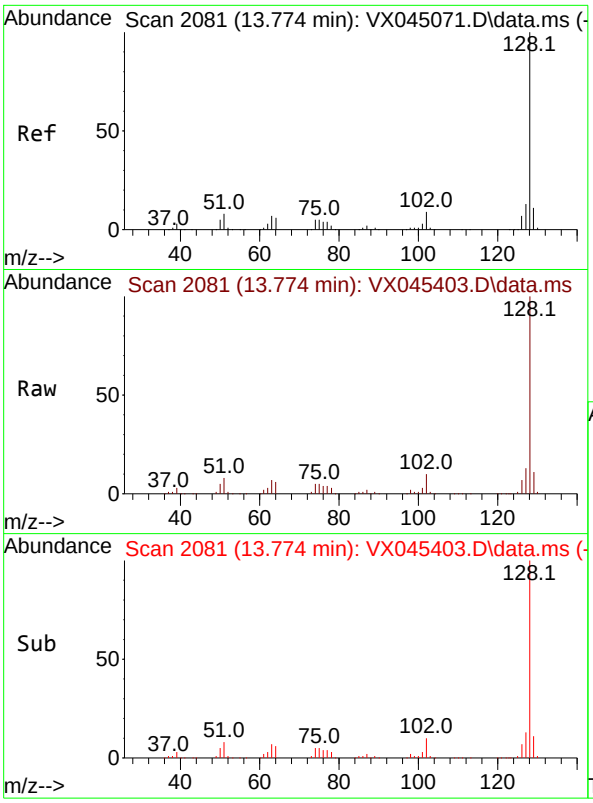


#94
Hexachlorobutadiene
Concen: 59.602 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX045403.D
Acq: 24 Mar 2025 10:26

Tgt Ion:225 Resp: 29635

Ion	Ratio	Lower	Upper
225	100		
223	61.0	31.9	95.7
227	63.2	31.4	94.0

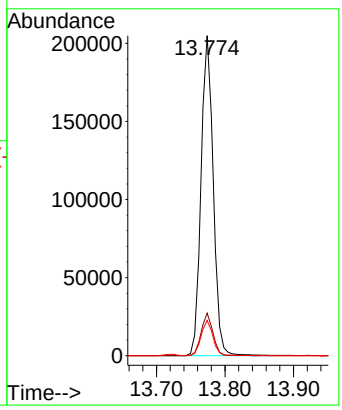




#95
Naphthalene
Concen: 54.579 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045403.D
Acq: 24 Mar 2025 10:26

Tgt Ion:128 Resp: 25431

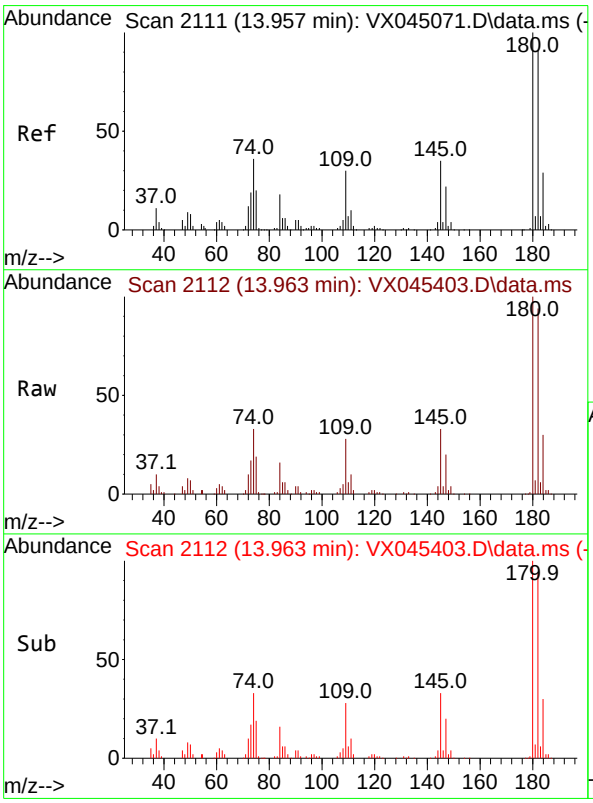
Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.3	15.5
129	10.7	8.7	13.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

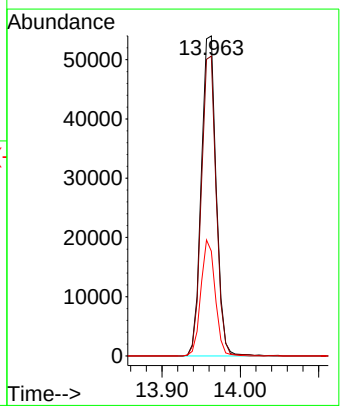
Reviewed By :John Carlone 03/25/2025
Supervised By :Mahesh Dadoda 03/25/2025



#96
1,2,3-Trichlorobenzene
Concen: 55.710 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.006 min
Lab File: VX045403.D
Acq: 24 Mar 2025 10:26

Tgt Ion:180 Resp: 71277

Ion	Ratio	Lower	Upper
180	100		
182	93.2	47.5	142.6
145	34.8	17.0	50.9



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032425\
Data File : VX045403.D
Acq On : 24 Mar 2025 10:26
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 25 01:28:16 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

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	95	0.00
2	T	Dichlorodifluoromethane	0.629	0.636	-1.1	97	0.00
3	P	Chloromethane	0.770	0.634	17.7	80	0.00
4	C	Vinyl Chloride	0.764	0.640	16.2#	80	0.00
5	T	Bromomethane	0.300	0.286	4.7	93	0.00
6	T	Chloroethane	0.352	0.365	-3.7	93	0.00
7	T	Trichlorofluoromethane	1.011	1.008	0.3	91	0.00
8	T	Diethyl Ether	0.396	0.357	9.8	88	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.581	0.678	-16.7	109	0.00
10	T	Methyl Iodide	0.726	0.755	-4.0	94	0.00
11	T	Tert butyl alcohol	0.151	0.146	3.3	104	0.00
12	CM	1,1-Dichloroethene	0.614	0.616	-0.3#	94	0.00
13	T	Acrolein	0.174	0.228	-31.0#	125	0.00
14	T	Allyl chloride	1.094	1.186	-8.4	102	0.00
15	T	Acrylonitrile	0.404	0.420	-4.0	98	0.00
16	T	Acetone	0.369	0.381	-3.3	103	0.00
17	T	Carbon Disulfide	1.636	1.320	19.3	76	0.00
18	T	Methyl Acetate	0.888	1.241	-39.8#	136	0.00
19	T	Methyl tert-butyl Ether	2.061	2.217	-7.6	101	0.00
20	T	Methylene Chloride	0.731	0.714	2.3	98	0.00
21	T	trans-1,2-Dichloroethene	0.607	0.605	0.3	91	0.00
22	T	Diisopropyl ether	2.224	2.382	-7.1	99	0.00
23	T	Vinyl Acetate	1.856	1.961	-5.7	95	0.00
24	P	1,1-Dichloroethane	1.247	1.322	-6.0	101	0.00
25	T	2-Butanone	0.555	0.595	-7.2	98	0.00
26	T	2,2-Dichloropropane	0.585	0.960	-64.1#	153#	0.00
27	T	cis-1,2-Dichloroethene	0.749	0.780	-4.1	98	0.00
28	T	Bromochloromethane	0.594	0.548	7.7	87	0.00
29	T	Tetrahydrofuran	0.373	0.373	0.0	95	0.00
30	C	Chloroform	1.239	1.334	-7.7#	102	0.00
31	T	Cyclohexane	1.082	1.060	2.0	91	0.00
32	T	1,1,1-Trichloroethane	1.000	1.117	-11.7	104	0.00
33	S	1,2-Dichloroethane-d4	0.795	0.765	3.8	96	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	91	0.00
35	S	Dibromofluoromethane	0.334	0.330	1.2	92	0.00
36	T	1,1-Dichloropropene	0.459	0.486	-5.9	95	0.00
37	T	Ethyl Acetate	0.591	0.629	-6.4	95	0.00
38	T	Carbon Tetrachloride	0.465	0.542	-16.6	106	0.00
39	T	Methylcyclohexane	0.549	0.606	-10.4	95	0.00
40	TM	Benzene	1.448	1.518	-4.8	93	0.00
41	T	Methacrylonitrile	0.319	0.371	-16.3	99	0.00
42	TM	1,2-Dichloroethane	0.521	0.606	-16.3	105	0.00
43	T	Isopropyl Acetate	0.874	0.997	-14.1	98	0.00
44	TM	Trichloroethene	0.340	0.357	-5.0	96	0.00
45	C	1,2-Dichloropropane	0.372	0.397	-6.7#	98	0.00
46	T	Dibromomethane	0.263	0.297	-12.9	101	0.00
47	T	Bromodichloromethane	0.516	0.598	-15.9	104	0.00
48	T	Methyl methacrylate	0.438	0.497	-13.5	98	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032425\
Data File : VX045403.D
Acq On : 24 Mar 2025 10:26
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 25 01:28:16 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

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	1.102	9.1	83	0.00
51	T	4-Methyl-2-Pentanone	0.587	0.651	-10.9	98	0.00
52	CM	Toluene	0.849	0.904	-6.5#	92	0.00
53	T	t-1,3-Dichloropropene	0.431	0.523	-21.3	102	0.00
54	T	cis-1,3-Dichloropropene	0.503	0.602	-19.7	103	0.00
55	T	1,1,2-Trichloroethane	0.350	0.377	-7.7	97	0.00
56	T	Ethyl methacrylate	0.532	0.594	-11.7	95	0.00
57	T	1,3-Dichloropropane	0.605	0.642	-6.1	95	0.00
58	T	2-Chloroethyl Vinyl ether	0.259	0.297	-14.7	96	0.00
59	T	2-Hexanone	0.425	0.471	-10.8	96	0.00
60	T	Dibromochloromethane	0.366	0.428	-16.9	102	0.00
61	T	1,2-Dibromoethane	0.349	0.376	-7.7	97	0.00
62	S	4-Bromofluorobenzene	0.402	0.384	4.5	87	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	89	0.00
64	T	Tetrachloroethene	0.320	0.360	-12.5	99	0.00
65	PM	Chlorobenzene	1.058	1.143	-8.0	93	0.00
66	T	1,1,1,2-Tetrachloroethane	0.352	0.409	-16.2	103	0.00
67	C	Ethyl Benzene	1.843	2.069	-12.3#	95	0.00
68	T	m/p-Xylenes	0.675	0.738	-9.3	91	0.00
69	T	o-Xylene	0.681	0.734	-7.8	93	0.00
70	T	Styrene	1.101	1.221	-10.9	92	0.00
71	P	Bromoform	0.266	0.314	-18.0	102	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	91	0.00
73	T	Isopropylbenzene	3.903	4.387	-12.4	96	0.00
74	T	N-amyl acetate	1.831	2.055	-12.2	94	0.00
75	P	1,1,2,2-Tetrachloroethane	1.432	1.492	-4.2	95	0.00
76	T	1,2,3-Trichloropropane	1.164	1.273	-9.4	101	0.00
77	T	Bromobenzene	0.921	0.972	-5.5	94	0.00
78	T	n-propylbenzene	4.409	5.112	-15.9	96	0.00
79	T	2-Chlorotoluene	2.808	3.016	-7.4	95	0.00
80	T	1,3,5-Trimethylbenzene	3.156	3.545	-12.3	95	0.00
81	T	trans-1,4-Dichloro-2-butene	0.340	0.419	-23.2	112	0.00
82	T	4-Chlorotoluene	3.060	3.431	-12.1	96	0.00
83	T	tert-Butylbenzene	3.242	3.607	-11.3	97	0.00
84	T	1,2,4-Trimethylbenzene	3.175	3.579	-12.7	96	0.00
85	T	sec-Butylbenzene	3.884	4.522	-16.4	97	0.00
86	T	p-Isopropyltoluene	3.139	3.688	-17.5	98	0.00
87	T	1,3-Dichlorobenzene	1.643	1.767	-7.5	96	0.00
88	T	1,4-Dichlorobenzene	1.662	1.742	-4.8	94	0.00
89	T	n-Butylbenzene	2.703	3.314	-22.6	100	0.00
90	T	Hexachloroethane	0.568	0.661	-16.4	99	0.00
91	T	1,2-Dichlorobenzene	1.648	1.762	-6.9	96	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.279	0.327	-17.2	103	0.00
93	T	1,2,4-Trichlorobenzene	0.938	1.073	-14.4	96	0.00
94	T	Hexachlorobutadiene	0.385	0.459	-19.2	106	0.00
95	T	Naphthalene	3.605	3.935	-9.2	91	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032425\
Data File : VX045403.D
Acq On : 24 Mar 2025 10:26
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 25 01:28:16 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

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	1.103	-11.4	94	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032425\
Data File : VX045403.D
Acq On : 24 Mar 2025 10:26
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 25 01:28:16 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

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	95	0.00
2	T	Dichlorodifluoromethane	50.000	50.565	-1.1	97	0.00
3	P	Chloromethane	50.000	41.182	17.6	80	0.00
4	C	Vinyl Chloride	50.000	41.882	16.2#	80	0.00
5	T	Bromomethane	50.000	47.634	4.7	93	0.00
6	T	Chloroethane	50.000	51.753	-3.5	93	0.00
7	T	Trichlorofluoromethane	50.000	49.832	0.3	91	0.00
8	T	Diethyl Ether	50.000	45.084	9.8	88	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	58.338	-16.7	109	0.00
10	T	Methyl Iodide	50.000	51.996	-4.0	94	0.00
11	T	Tert butyl alcohol	250.000	241.872	3.3	104	0.00
12	CM	1,1-Dichloroethene	50.000	50.136	-0.3#	94	0.00
13	T	Acrolein	250.000	326.666	-30.7#	125	0.00
14	T	Allyl chloride	50.000	54.223	-8.4	102	0.00
15	T	Acrylonitrile	250.000	259.979	-4.0	98	0.00
16	T	Acetone	250.000	258.067	-3.2	103	0.00
17	T	Carbon Disulfide	50.000	40.336	19.3	76	0.00
18	T	Methyl Acetate	50.000	69.873	-39.7#	136	0.00
19	T	Methyl tert-butyl Ether	50.000	53.776	-7.6	101	0.00
20	T	Methylene Chloride	50.000	48.871	2.3	98	0.00
21	T	trans-1,2-Dichloroethene	50.000	49.847	0.3	91	0.00
22	T	Diisopropyl ether	50.000	53.549	-7.1	99	0.00
23	T	Vinyl Acetate	250.000	264.180	-5.7	95	0.00
24	P	1,1-Dichloroethane	50.000	53.017	-6.0	101	0.00
25	T	2-Butanone	250.000	267.823	-7.1	98	0.00
26	T	2,2-Dichloropropane	50.000	82.118	-64.2#	153	0.00
27	T	cis-1,2-Dichloroethene	50.000	52.019	-4.0	98	0.00
28	T	Bromochloromethane	50.000	46.117	7.8	87	0.00
29	T	Tetrahydrofuran	250.000	249.799	0.1	95	0.00
30	C	Chloroform	50.000	53.851	-7.7#	102	0.00
31	T	Cyclohexane	50.000	48.992	2.0	91	0.00
32	T	1,1,1-Trichloroethane	50.000	55.816	-11.6	104	0.00
33	S	1,2-Dichloroethane-d4	50.000	48.117	3.8	96	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	91	0.00
35	S	Dibromofluoromethane	50.000	49.284	1.4	92	0.00
36	T	1,1-Dichloropropene	50.000	52.945	-5.9	95	0.00
37	T	Ethyl Acetate	50.000	53.208	-6.4	95	0.00
38	T	Carbon Tetrachloride	50.000	58.238	-16.5	106	0.00
39	T	Methylcyclohexane	50.000	55.164	-10.3	95	0.00
40	TM	Benzene	50.000	52.427	-4.9	93	0.00
41	T	Methacrylonitrile	50.000	58.001	-16.0	99	0.00
42	TM	1,2-Dichloroethane	50.000	58.092	-16.2	105	0.00
43	T	Isopropyl Acetate	50.000	57.059	-14.1	98	0.00
44	TM	Trichloroethene	50.000	52.469	-4.9	96	0.00
45	C	1,2-Dichloropropane	50.000	53.305	-6.6#	98	0.00
46	T	Dibromomethane	50.000	56.369	-12.7	101	0.00
47	T	Bromodichloromethane	50.000	57.970	-15.9	104	0.00
48	T	Methyl methacrylate	50.000	56.723	-13.4	98	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032425\
Data File : VX045403.D
Acq On : 24 Mar 2025 10:26
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 25 01:28:16 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

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	938.957	6.1	84	0.00
50	S	Toluene-d8	50.000	45.462	9.1	83	0.00
51	T	4-Methyl-2-Pentanone	250.000	277.605	-11.0	98	0.00
52	CM	Toluene	50.000	53.210	-6.4#	92	0.00
53	T	t-1,3-Dichloropropene	50.000	60.587	-21.2	102	0.00
54	T	cis-1,3-Dichloropropene	50.000	59.782	-19.6	103	0.00
55	T	1,1,2-Trichloroethane	50.000	53.875	-7.8	97	0.00
56	T	Ethyl methacrylate	50.000	55.830	-11.7	95	0.00
57	T	1,3-Dichloropropane	50.000	53.035	-6.1	95	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	286.123	-14.4	96	0.00
59	T	2-Hexanone	250.000	276.873	-10.7	96	0.00
60	T	Dibromochloromethane	50.000	58.480	-17.0	102	0.00
61	T	1,2-Dibromoethane	50.000	53.921	-7.8	97	0.00
62	S	4-Bromofluorobenzene	50.000	47.783	4.4	87	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	89	0.00
64	T	Tetrachloroethene	50.000	56.216	-12.4	99	0.00
65	PM	Chlorobenzene	50.000	54.012	-8.0	93	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	57.988	-16.0	103	0.00
67	C	Ethyl Benzene	50.000	56.103	-12.2#	95	0.00
68	T	m/p-Xylenes	100.000	109.407	-9.4	91	0.00
69	T	o-Xylene	50.000	53.945	-7.9	93	0.00
70	T	Styrene	50.000	55.422	-10.8	92	0.00
71	P	Bromoform	50.000	59.086	-18.2	102	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	91	0.00
73	T	Isopropylbenzene	50.000	56.200	-12.4	96	0.00
74	T	N-amyl acetate	50.000	56.106	-12.2	94	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	52.104	-4.2	95	0.00
76	T	1,2,3-Trichloropropane	50.000	54.697	-9.4	101	0.00
77	T	Bromobenzene	50.000	52.766	-5.5	94	0.00
78	T	n-propylbenzene	50.000	57.979	-16.0	96	0.00
79	T	2-Chlorotoluene	50.000	53.714	-7.4	95	0.00
80	T	1,3,5-Trimethylbenzene	50.000	56.168	-12.3	95	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	61.668	-23.3	112	0.00
82	T	4-Chlorotoluene	50.000	56.066	-12.1	96	0.00
83	T	tert-Butylbenzene	50.000	55.618	-11.2	97	0.00
84	T	1,2,4-Trimethylbenzene	50.000	56.359	-12.7	96	0.00
85	T	sec-Butylbenzene	50.000	58.220	-16.4	97	0.00
86	T	p-Isopropyltoluene	50.000	58.755	-17.5	98	0.00
87	T	1,3-Dichlorobenzene	50.000	53.780	-7.6	96	0.00
88	T	1,4-Dichlorobenzene	50.000	52.415	-4.8	94	0.00
89	T	n-Butylbenzene	50.000	61.287	-22.6	100	0.00
90	T	Hexachloroethane	50.000	58.191	-16.4	99	0.00
91	T	1,2-Dichlorobenzene	50.000	53.474	-6.9	96	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	58.606	-17.2	103	0.00
93	T	1,2,4-Trichlorobenzene	50.000	57.160	-14.3	96	0.00
94	T	Hexachlorobutadiene	50.000	59.602	-19.2	106	0.00
95	T	Naphthalene	50.000	54.579	-9.2	91	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032425\
Data File : VX045403.D
Acq On : 24 Mar 2025 10:26
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 25 01:28:16 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

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	55.710	-11.4	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.: Q1608 SAS No.: Q1608 SDG No.: Q1608

Instrument ID: MSVOA_X Calibration Date/Time: 03/24/2025 20:42

Lab File ID: VX045429.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	0.579		-7.95	50
Chloromethane	0.770	0.684	0.1	-11.17	50
Vinyl Chloride	0.764	0.638		-16.49	50
Bromomethane	0.300	0.289		-3.67	50
Chloroethane	0.352	0.364		3.41	50
Trichlorofluoromethane	1.012	0.978		-3.36	50
1,1,2-Trichlorotrifluoroethane	0.581	0.608		4.65	50
1,1-Dichloroethene	0.614	0.594		-3.26	50
Acetone	0.369	0.392		6.23	50
Carbon Disulfide	1.636	1.158		-29.22	50
Methyl tert-butyl Ether	2.061	2.176		5.58	50
Methyl Acetate	0.888	1.242		39.87	50
Methylene Chloride	0.731	0.723		-1.09	50
trans-1,2-Dichloroethene	0.607	0.595		-1.98	50
1,1-Dichloroethane	1.247	1.304	0.1	4.57	50
Cyclohexane	1.082	1.013		-6.38	50
2-Butanone	0.555	0.601		8.29	50
Carbon Tetrachloride	0.465	0.506		8.82	50
cis-1,2-Dichloroethene	0.749	0.769		2.67	50
Bromochloromethane	0.594	0.609		2.53	50
Chloroform	1.239	1.354		9.28	50
1,1,1-Trichloroethane	1.000	1.091		9.1	50
Methylcyclohexane	0.549	0.532		-3.1	50
Benzene	1.448	1.482		2.35	50
1,2-Dichloroethane	0.521	0.618		18.62	50
Trichloroethene	0.340	0.346		1.76	50
1,2-Dichloropropane	0.372	0.394		5.91	50
Bromodichloromethane	0.516	0.580		12.4	50
4-Methyl-2-Pentanone	0.587	0.688		17.21	50
Toluene	0.849	0.905		6.6	50
t-1,3-Dichloropropene	0.431	0.490		13.69	50
cis-1,3-Dichloropropene	0.503	0.555		10.34	50
1,1,2-Trichloroethane	0.350	0.385		10	50
2-Hexanone	0.425	0.500		17.65	50
Dibromochloromethane	0.366	0.419		14.48	50
1,2-Dibromoethane	0.349	0.385		10.31	50
Tetrachloroethene	0.320	0.319		-0.31	50
Chlorobenzene	1.058	1.098	0.3	3.78	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.: Q1608 SAS No.: Q1608 SDG No.: Q1608

Instrument ID: MSVOA_X Calibration Date/Time: 03/24/2025 20:42

Lab File ID: VX045429.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	1.963		6.51	50
m/p-Xylenes	0.675	0.711		5.33	50
o-Xylene	0.681	0.714		4.85	50
Styrene	1.101	1.234		12.08	50
Bromoform	0.266	0.297	0.1	11.65	50
Isopropylbenzene	3.903	4.022		3.05	50
1,1,2,2-Tetrachloroethane	1.432	1.449	0.3	1.19	50
1,3-Dichlorobenzene	1.643	1.675		1.95	50
1,4-Dichlorobenzene	1.662	1.683		1.26	50
1,2-Dichlorobenzene	1.648	1.699		3.1	50
1,2-Dibromo-3-Chloropropane	0.279	0.308		10.39	50
1,2,4-Trichlorobenzene	0.938	0.977		4.16	50
1,2,3-Trichlorobenzene	0.990	1.015		2.53	50
1,2-Dichloroethane-d4	0.795	0.917		15.35	50
Dibromofluoromethane	0.334	0.375		12.27	50
Toluene-d8	1.212	1.277		5.36	50
4-Bromofluorobenzene	0.402	0.475		18.16	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\VX032425\
Data File : VX045429.D
Acq On : 24 Mar 2025 20:42
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Mar 25 01:41:26 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 :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :John Carlone 03/25/2025
Supervised By :Mahesh Dadoda 03/25/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	79380	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	140920	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	127528	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	60400	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	72771	57.633	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 115.260%			
35) Dibromofluoromethane	5.379	113	52802	56.036	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 112.080%			
50) Toluene-d8	8.647	98	179910	52.665	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 105.320%			
62) 4-Bromofluorobenzene	11.079	95	66953	59.145	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 118.300%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	45997	46.034	ug/l	99
3) Chloromethane	1.307	50	54331	44.431	ug/l	98
4) Vinyl Chloride	1.374	62	50608	41.720	ug/l	99
5) Bromomethane	1.593	94	22956	48.139	ug/l	100
6) Chloroethane	1.666	64	28891	51.635	ug/l	97
7) Trichlorofluoromethane	1.867	101	77611	48.330	ug/l	97
8) Diethyl Ether	2.136	74	28336	45.113	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.319	101	48237	52.284	ug/l	97
10) Methyl Iodide	2.441	142	62107	53.868	ug/l	95
11) Tert butyl alcohol	2.983	59	50665	211.839	ug/l	98
12) 1,1-Dichloroethene	2.306	96	47178	48.367	ug/l	92
13) Acrolein	2.233	56	90633	327.822	ug/l	98
14) Allyl chloride	2.654	41	90538	52.145	ug/l	95
15) Acrylonitrile	3.062	53	170299	265.679	ug/l	99
16) Acetone	2.386	43	155486	265.410	ug/l	96
17) Carbon Disulfide	2.501	76	91918	35.381	ug/l	98
18) Methyl Acetate	2.703	43	98571	69.942	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	172724	52.780	ug/l	98
20) Methylene Chloride	2.782	84	57405	49.467	ug/l	95
21) trans-1,2-Dichloroethene	3.087	96	47238	49.020	ug/l	97
22) Diisopropyl ether	3.763	45	188400	53.354	ug/l	97
23) Vinyl Acetate	3.721	43	766218	260.018	ug/l	99
24) 1,1-Dichloroethane	3.605	63	103533	52.316	ug/l	99
25) 2-Butanone	4.556	43	238481	270.441	ug/l	97
26) 2,2-Dichloropropane	4.471	77	59898	64.528	ug/l	95
27) cis-1,2-Dichloroethene	4.483	96	61058	51.328	ug/l	94
28) Bromochloromethane	4.897	49	48365	51.274	ug/l	99
29) Tetrahydrofuran	5.007	42	148894	251.430	ug/l	99
30) Chloroform	5.086	83	107493	54.666	ug/l	97
31) Cyclohexane	5.458	56	80394	46.799	ug/l	94
32) 1,1,1-Trichloroethane	5.379	97	86620	54.542	ug/l	97
36) 1,1-Dichloropropene	5.684	75	65568	50.739	ug/l	99
37) Ethyl Acetate	4.714	43	83953	50.417	ug/l	99
38) Carbon Tetrachloride	5.672	117	71248	54.307	ug/l	99
39) Methylcyclohexane	7.373	83	74956	48.408	ug/l	99
40) Benzene	6.031	78	208827	51.175	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032425\
Data File : VX045429.D
Acq On : 24 Mar 2025 20:42
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Mar 25 01:41:26 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 :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :John Carlone 03/25/2025
Supervised By :Mahesh Dadoda 03/25/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.922	41	52783	58.623	ug/l		97
42) 1,2-Dichloroethane	6.080	62	87114	59.283	ug/l		96
43) Isopropyl Acetate	6.342	43	134746	54.724	ug/l		99
44) Trichloroethene	7.123	130	48817	50.948	ug/l		92
45) 1,2-Dichloropropane	7.427	63	55529	52.926	ug/l		99
46) Dibromomethane	7.580	93	41248	55.622	ug/l		96
47) Bromodichloromethane	7.818	83	81764	56.211	ug/l		98
48) Methyl methacrylate	7.690	41	71093	57.551	ug/l		94
49) 1,4-Dioxane	7.659	88	26730	1025.803	ug/l		97
51) 4-Methyl-2-Pentanone	8.574	43	484628	293.128	ug/l		99
52) Toluene	8.714	92	127484	53.247	ug/l		100
53) t-1,3-Dichloropropene	8.976	75	69031	56.767	ug/l		98
54) cis-1,3-Dichloropropene	8.366	75	78264	55.193	ug/l		94
55) 1,1,2-Trichloroethane	9.147	97	54257	55.047	ug/l		96
56) Ethyl methacrylate	9.116	69	87426	58.353	ug/l		94
57) 1,3-Dichloropropane	9.305	76	93605	54.877	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.238	63	210140	287.528	ug/l		99
59) 2-Hexanone	9.427	43	352647	294.391	ug/l		99
60) Dibromochloromethane	9.518	129	59070	57.318	ug/l		100
61) 1,2-Dibromoethane	9.610	107	54221	55.105	ug/l		98
64) Tetrachloroethene	9.269	164	40631	49.746	ug/l		95
65) Chlorobenzene	10.079	112	139977	51.873	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.159	131	47764	53.151	ug/l		99
67) Ethyl Benzene	10.189	91	250322	53.238	ug/l		98
68) m/p-Xylenes	10.299	106	181238	105.294	ug/l		95
69) o-Xylene	10.640	106	91030	52.437	ug/l		98
70) Styrene	10.652	104	157381	56.029	ug/l		98
71) Bromoform	10.799	173	37887	55.909	ug/l	#	97
73) Isopropylbenzene	10.957	105	242935	51.530	ug/l		98
74) N-amyl acetate	10.841	43	116309	52.577	ug/l		98
75) 1,1,2,2-Tetrachloroethane	11.213	83	87517	50.588	ug/l		100
76) 1,2,3-Trichloropropane	11.238	75	72625m	51.660	ug/l		
77) Bromobenzene	11.195	156	56843	51.103	ug/l		97
78) n-propylbenzene	11.299	91	283698	53.271	ug/l		99
79) 2-Chlorotoluene	11.360	91	172828	50.957	ug/l		98
80) 1,3,5-Trimethylbenzene	11.451	105	201673	52.906	ug/l		97
81) trans-1,4-Dichloro-2-b...	11.018	75	20287	49.385	ug/l		89
82) 4-Chlorotoluene	11.451	91	196524	53.166	ug/l		98
83) tert-Butylbenzene	11.713	119	201144	51.356	ug/l		96
84) 1,2,4-Trimethylbenzene	11.750	105	204246	53.251	ug/l		98
85) sec-Butylbenzene	11.890	105	253554	54.043	ug/l		99
86) p-Isopropyltoluene	12.006	119	204726	53.996	ug/l		98
87) 1,3-Dichlorobenzene	11.969	146	101152	50.976	ug/l		99
88) 1,4-Dichlorobenzene	12.036	146	101650	50.634	ug/l		98
89) n-Butylbenzene	12.329	91	182883	56.004	ug/l		99
90) Hexachloroethane	12.536	117	35393	51.608	ug/l		98
91) 1,2-Dichlorobenzene	12.335	146	102600	51.543	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	12.939	75	18601	55.190	ug/l		92
93) 1,2,4-Trichlorobenzene	13.585	180	59017	52.069	ug/l		99
94) Hexachlorobutadiene	13.725	225	23730	51.066	ug/l		99
95) Naphthalene	13.774	128	223298	51.277	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	61297	51.264	ug/l		97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032425\
Data File : VX045429.D
Acq On : 24 Mar 2025 20:42
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Mar 25 01:41:26 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 :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :John Carlone 03/25/2025
Supervised By :Mahesh Dadoda 03/25/2025

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

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

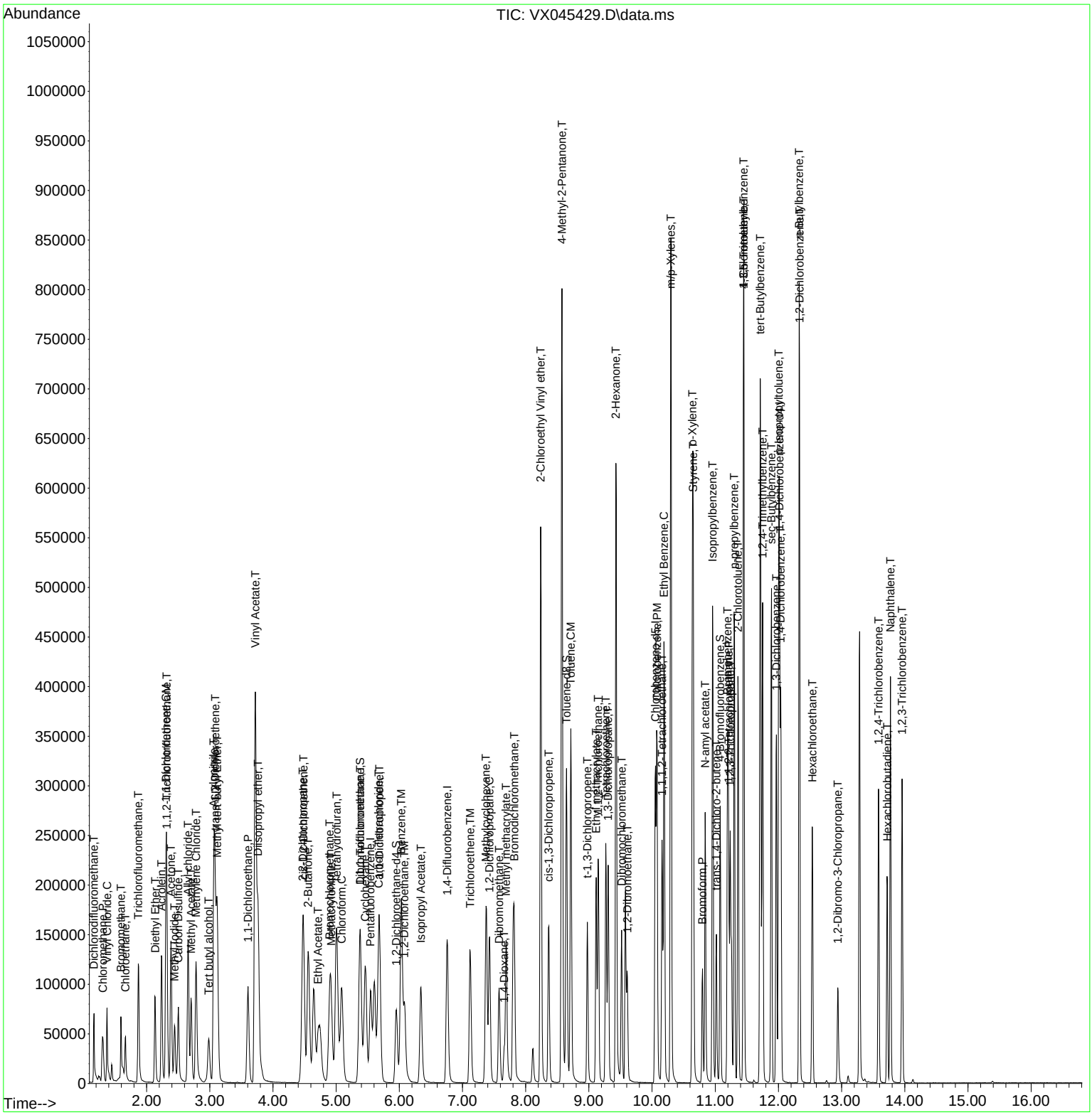
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Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

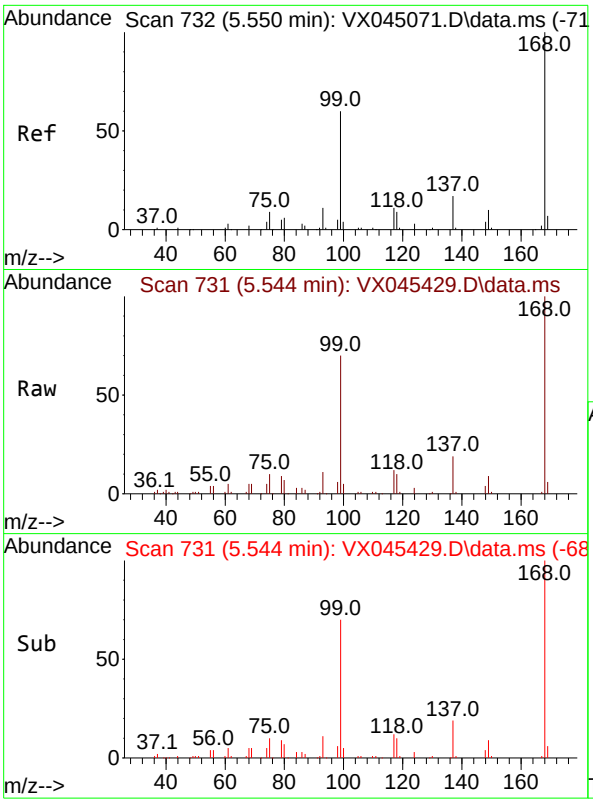
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :John Carlone 03/25/2025
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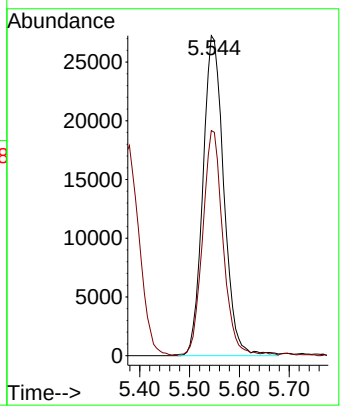




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045429.D
Acq: 24 Mar 2025 20:42

Tgt Ion:168 Resp: 7938

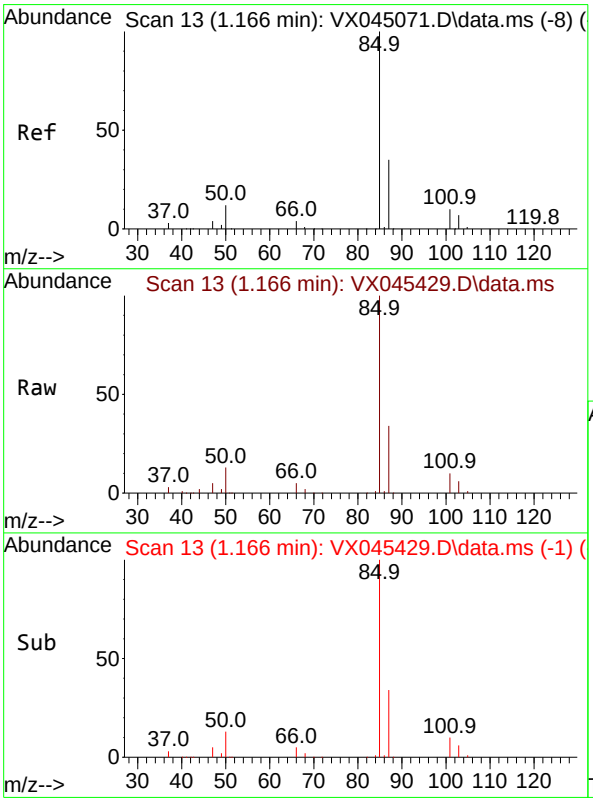
Ion	Ratio	Lower	Upper
168	100		
99	70.2	48.2	72.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

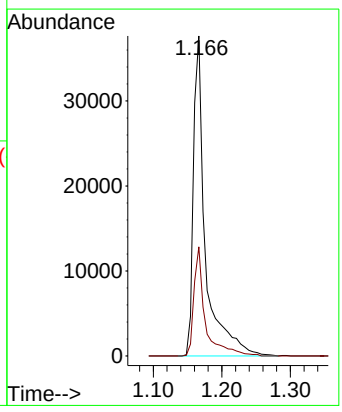
Reviewed By :John Carlone 03/25/2025
Supervised By :Mahesh Dadoda 03/25/2025

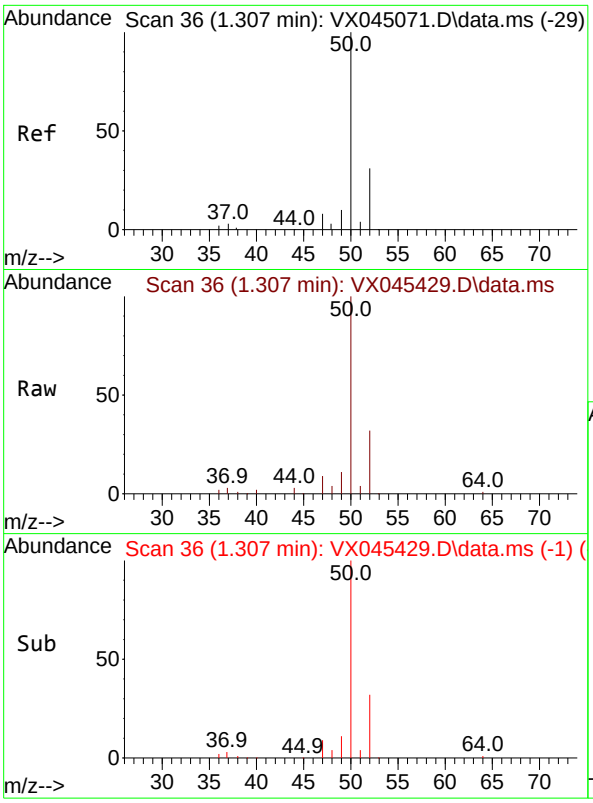


#2
Dichlorodifluoromethane
Concen: 46.034 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX045429.D
Acq: 24 Mar 2025 20:42

Tgt Ion: 85 Resp: 45997

Ion	Ratio	Lower	Upper
85	100		
87	34.1	17.4	52.3

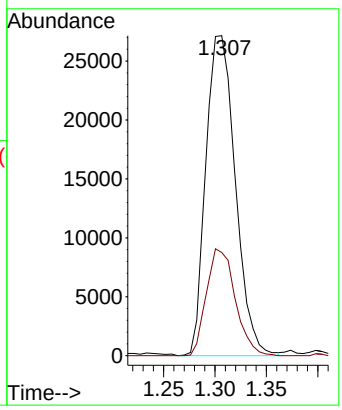




#3
Chloromethane
Concen: 44.431 ug/l
RT: 1.307 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045429.D
Acq: 24 Mar 2025 20:42

Tgt Ion: 50 Resp: 5433

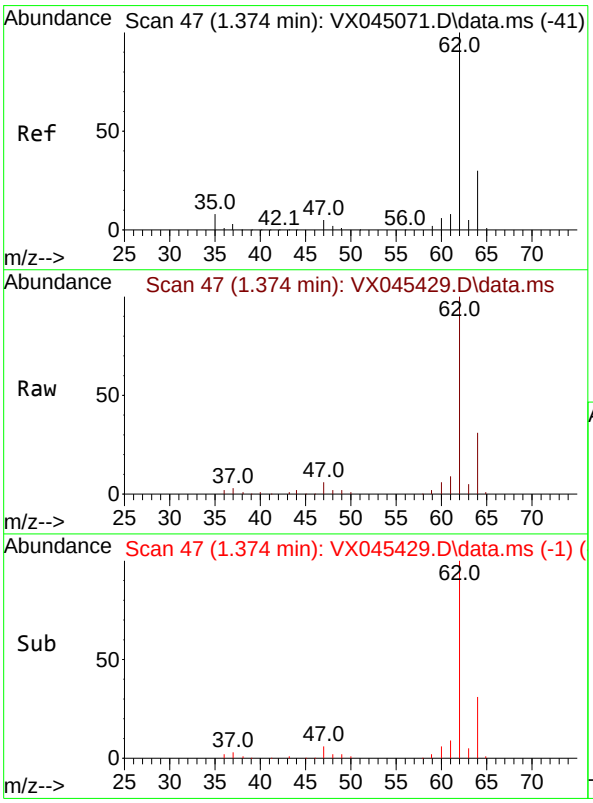
Ion	Ratio	Lower	Upper
50	100		
52	32.3	25.0	37.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

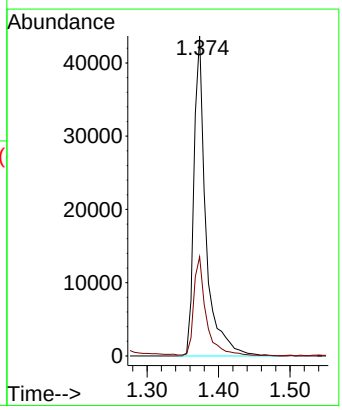
Reviewed By :John Carlone 03/25/2025
Supervised By :Mahesh Dadoda 03/25/2025

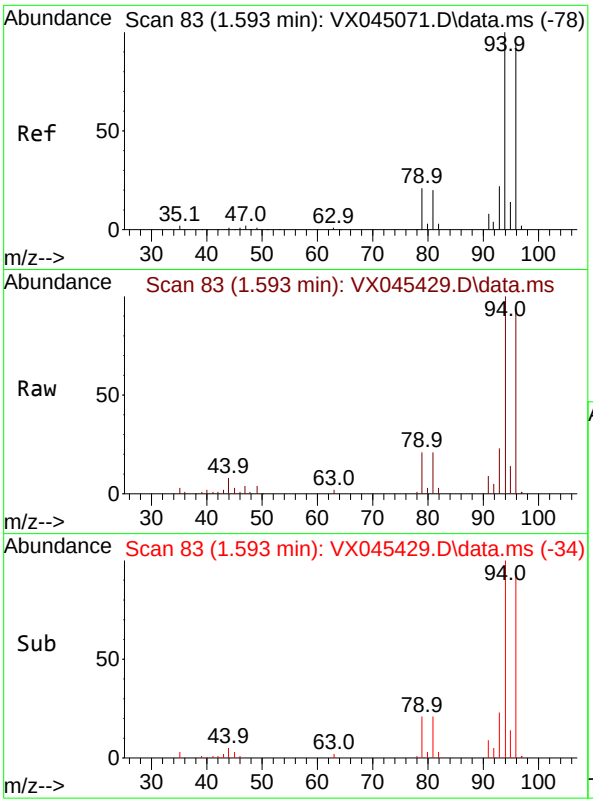


#4
Vinyl Chloride
Concen: 41.720 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX045429.D
Acq: 24 Mar 2025 20:42

Tgt Ion: 62 Resp: 50608

Ion	Ratio	Lower	Upper
62	100		
64	30.9	24.3	36.5

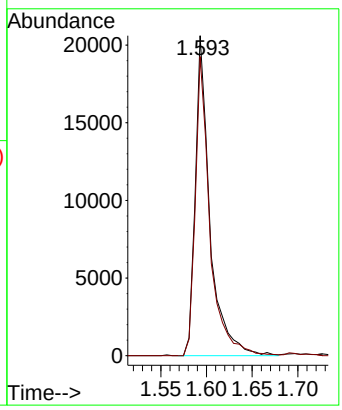




#5
Bromomethane
Concen: 48.139 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045429.D
Acq: 24 Mar 2025 20:42

Tgt Ion: 94 Resp: 2295

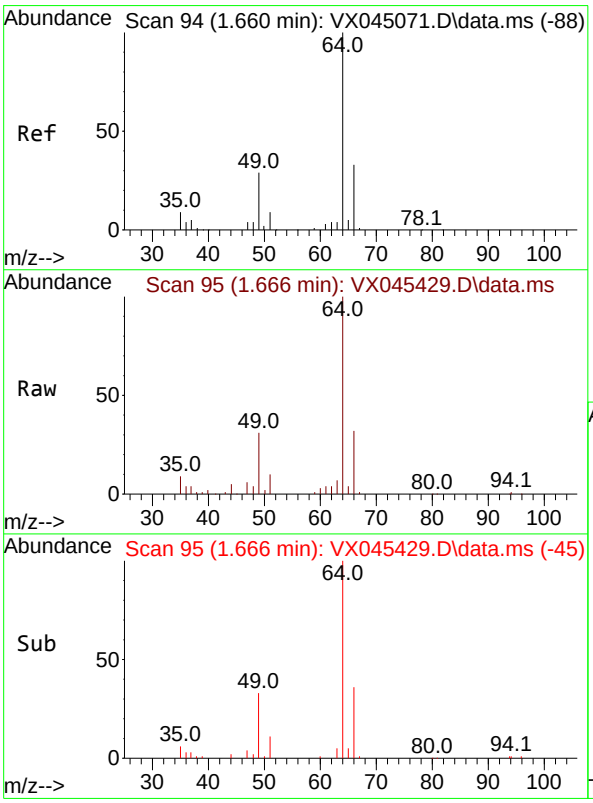
Ion	Ratio	Lower	Upper
94	100		
96	93.5	75.0	112.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

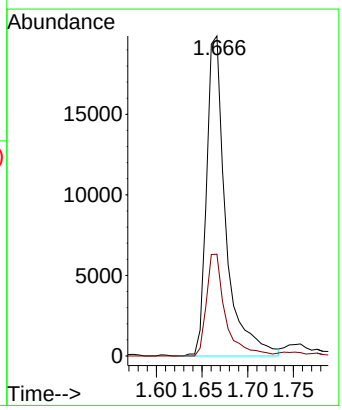
Reviewed By :John Carlone 03/25/2025
Supervised By :Mahesh Dadoda 03/25/2025

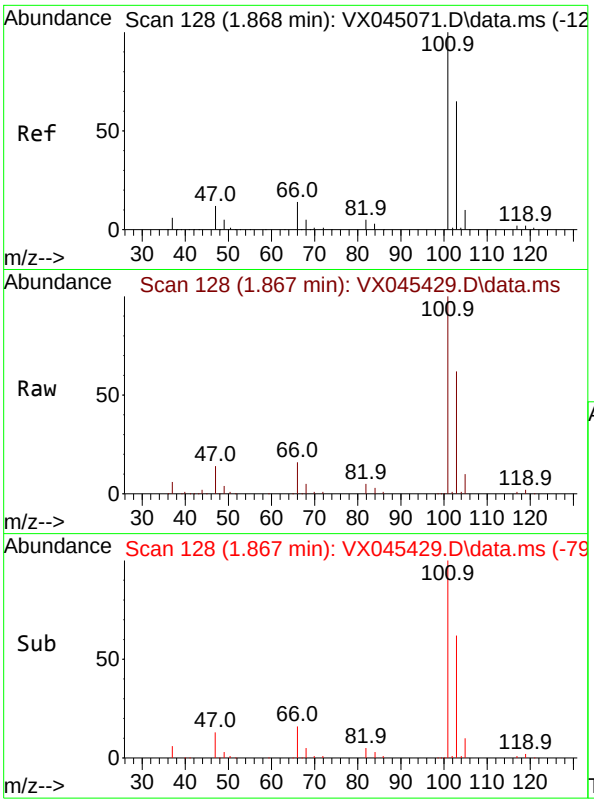


#6
Chloroethane
Concen: 51.635 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.006 min
Lab File: VX045429.D
Acq: 24 Mar 2025 20:42

Tgt Ion: 64 Resp: 28891

Ion	Ratio	Lower	Upper
64	100		
66	31.8	26.7	40.1

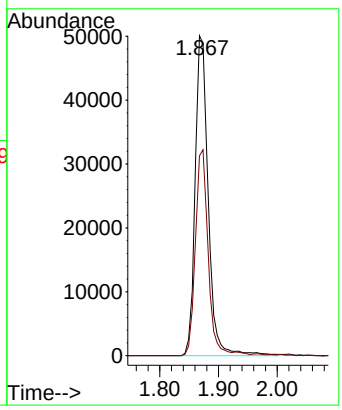




#7
Trichlorofluoromethane
Concen: 48.330 ug/l
RT: 1.867 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045429.D
Acq: 24 Mar 2025 20:42

Tgt Ion:101 Resp: 7761

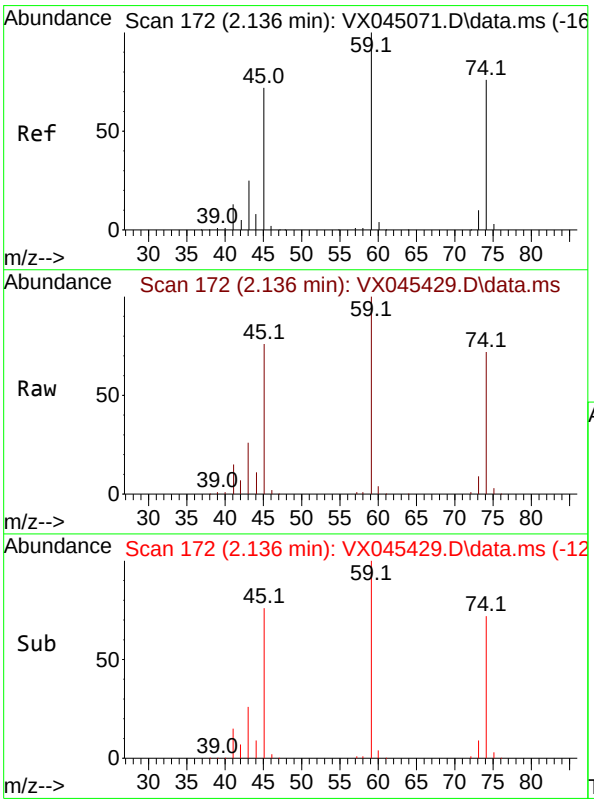
Ion	Ratio	Lower	Upper
101	100		
103	62.5	52.1	78.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

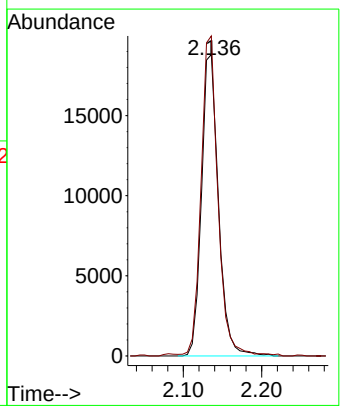
Reviewed By :John Carlone 03/25/2025
Supervised By :Mahesh Dadoda 03/25/2025

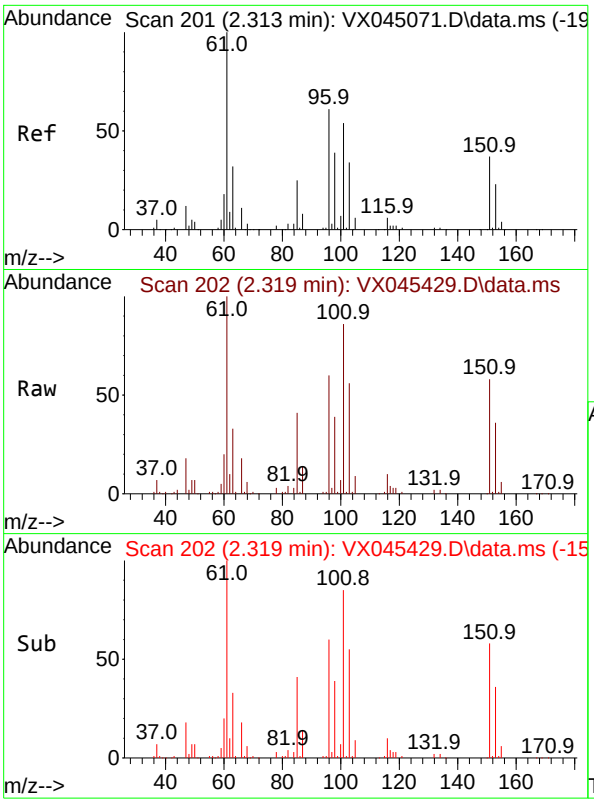


#8
Diethyl Ether
Concen: 45.113 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX045429.D
Acq: 24 Mar 2025 20:42

Tgt Ion: 74 Resp: 28336

Ion	Ratio	Lower	Upper
74	100		
45	105.6	51.5	154.5

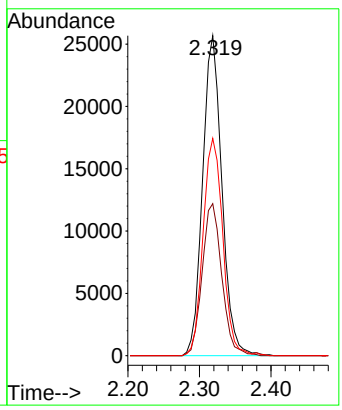




#9
1,1,2-Trichlorotrifluoroethane
Concen: 52.284 ug/l
RT: 2.319 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX045429.D
Acq: 24 Mar 2025 20:42

Tgt Ion:101 Resp: 4823

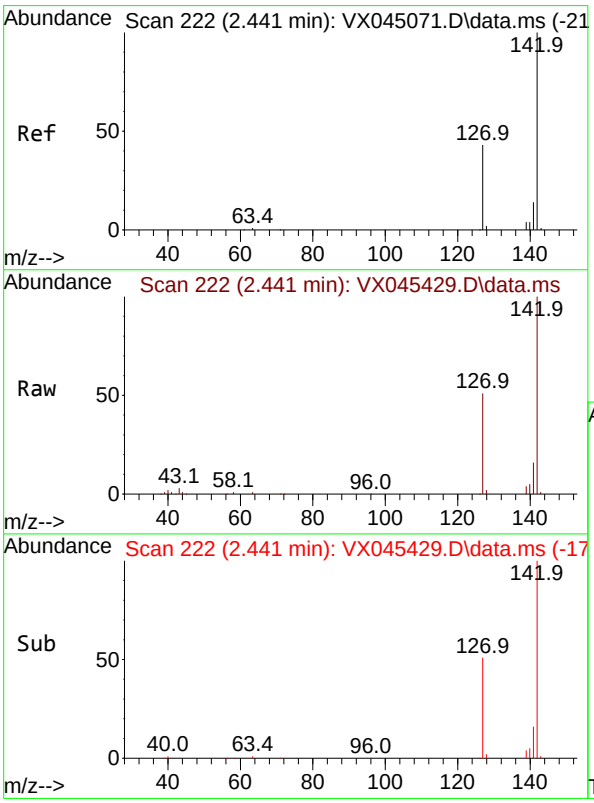
Ion	Ratio	Lower	Upper
101	100		
85	48.3	36.2	54.4
151	69.3	56.4	84.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

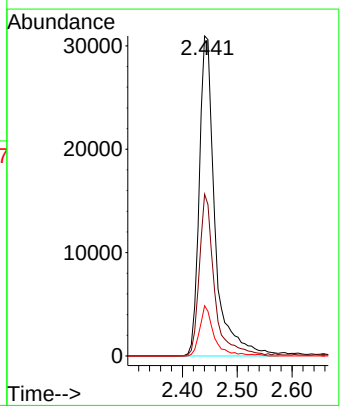
Reviewed By :John Carlone 03/25/2025
Supervised By :Mahesh Dadoda 03/25/2025

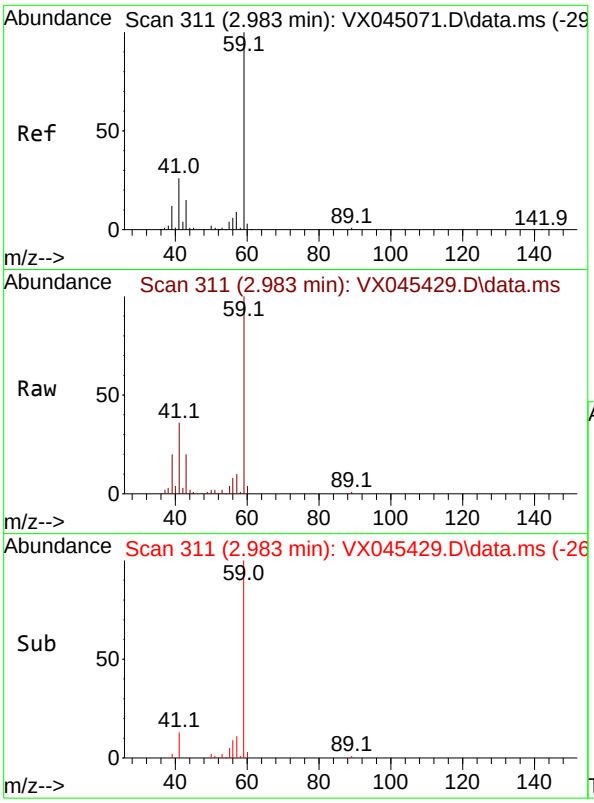


#10
Methyl Iodide
Concen: 53.868 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX045429.D
Acq: 24 Mar 2025 20:42

Tgt Ion:142 Resp: 62107

Ion	Ratio	Lower	Upper
142	100		
127	48.6	35.4	53.2
141	14.4	11.6	17.4

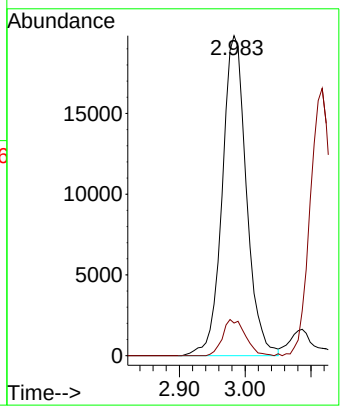




#11
Tert butyl alcohol
Concen: 211.839 ug/l
RT: 2.983 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045429.D
Acq: 24 Mar 2025 20:42

Tgt Ion: 59 Resp: 5066

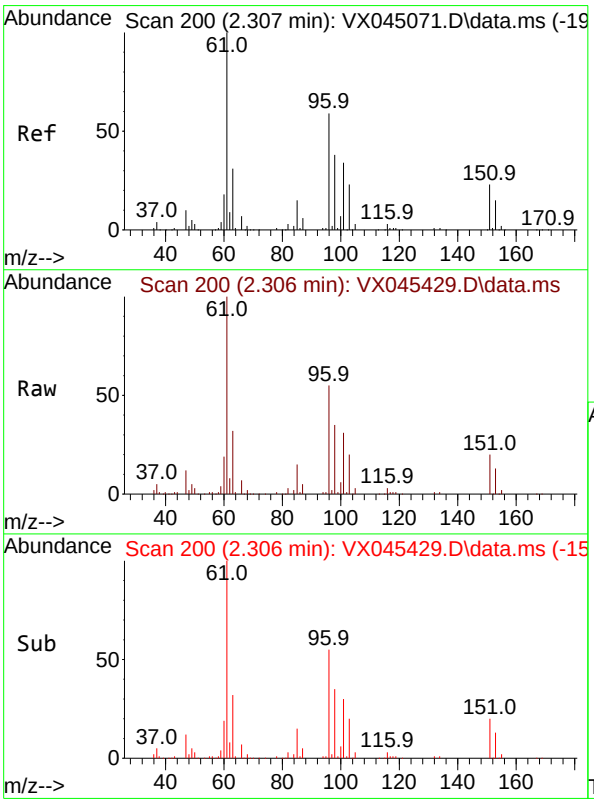
Ion	Ratio	Lower	Upper
59	100		
57	10.7	7.8	11.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

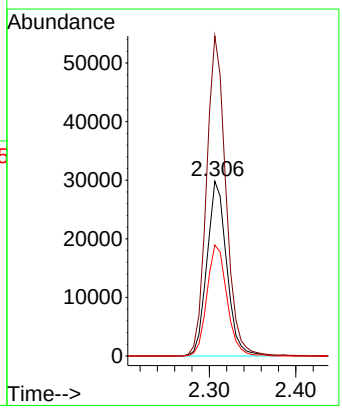
Reviewed By :John Carlone 03/25/2025
Supervised By :Mahesh Dadoda 03/25/2025

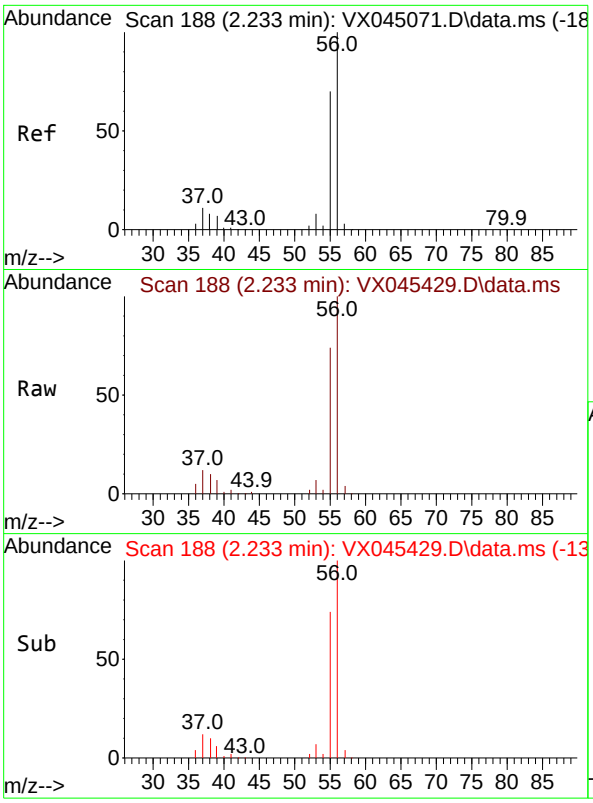


#12
1,1-Dichloroethene
Concen: 48.367 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX045429.D
Acq: 24 Mar 2025 20:42

Tgt Ion: 96 Resp: 47178

Ion	Ratio	Lower	Upper
96	100		
61	183.1	134.6	202.0
98	63.5	51.0	76.6

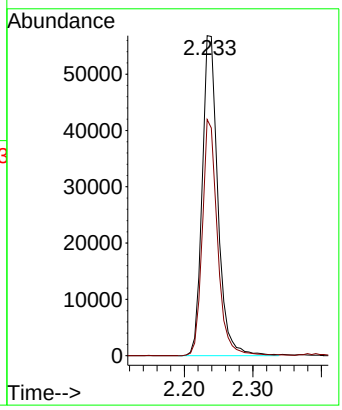




#13
Acrolein
Concen: 327.822 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045429.D
Acq: 24 Mar 2025 20:42

Tgt Ion: 56 Resp: 9063

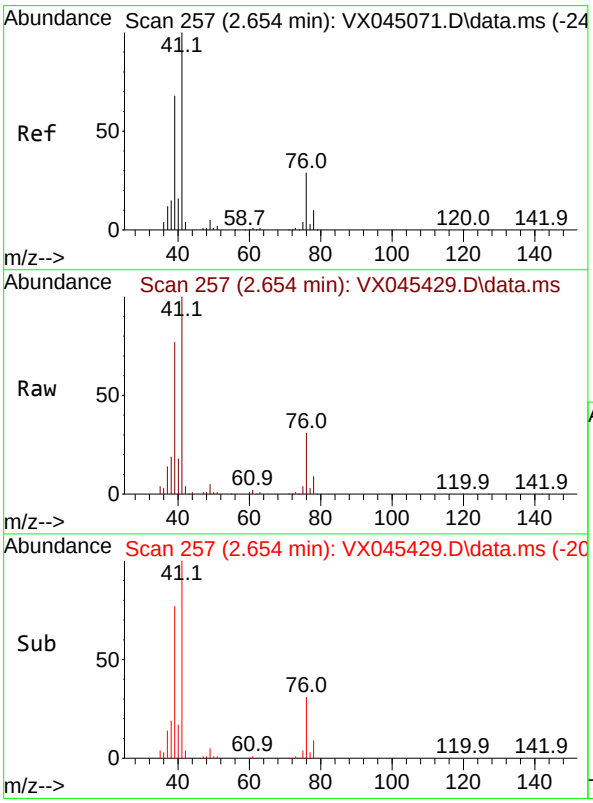
Ion	Ratio	Lower	Upper
56	100		
55	71.6	56.2	84.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

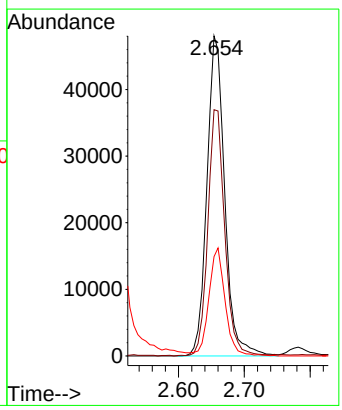
Reviewed By :John Carlone 03/25/2025
Supervised By :Mahesh Dadoda 03/25/2025

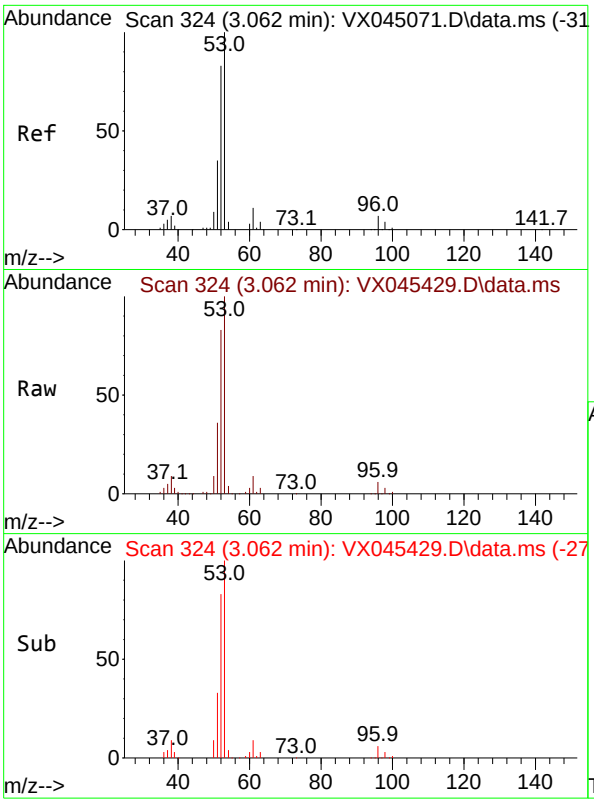


#14
Allyl chloride
Concen: 52.145 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX045429.D
Acq: 24 Mar 2025 20:42

Tgt Ion: 41 Resp: 90538

Ion	Ratio	Lower	Upper
41	100		
39	73.3	53.8	80.8
76	31.0	25.2	37.8





#15
Acrylonitrile
Concen: 265.679 ug/l
RT: 3.062 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045429.D
Acq: 24 Mar 2025 20:42

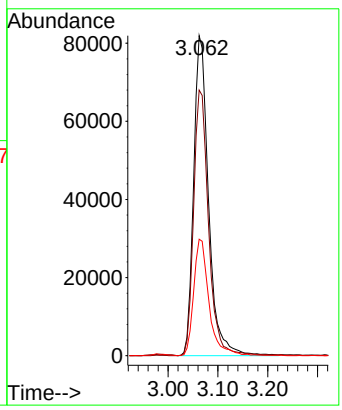
Tgt Ion: 53 Resp: 17029

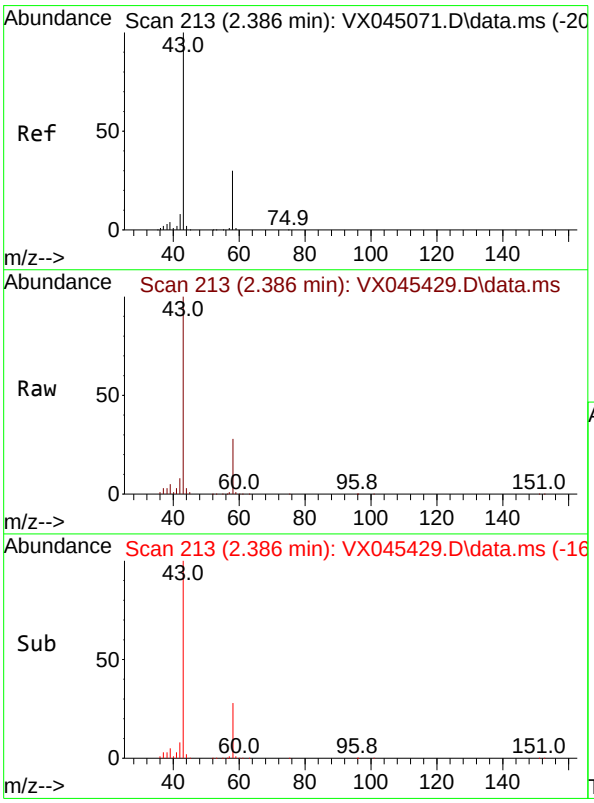
Ion	Ratio	Lower	Upper
53	100		
52	83.1	66.2	99.2
51	37.6	29.0	43.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/25/2025
Supervised By :Mahesh Dadoda 03/25/2025

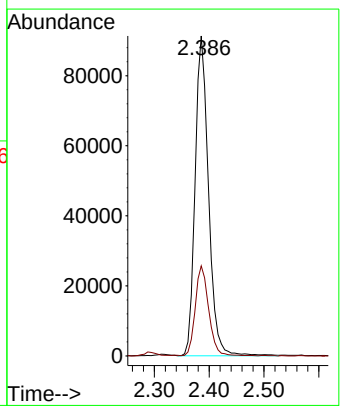


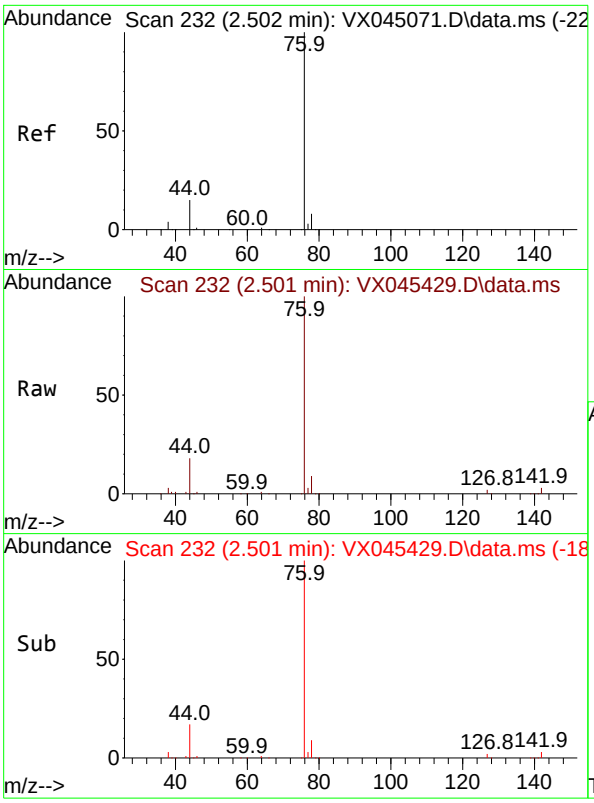


#16
Acetone
Concen: 265.410 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX045429.D
Acq: 24 Mar 2025 20:42

Tgt Ion: 43 Resp: 155486

Ion	Ratio	Lower	Upper
43	100		
58	28.1	24.2	36.4

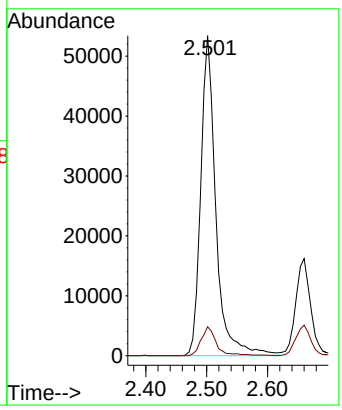




#17
Carbon Disulfide
Concen: 35.381 ug/l
RT: 2.501 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045429.D
Acq: 24 Mar 2025 20:42

Tgt Ion: 76 Resp: 9191

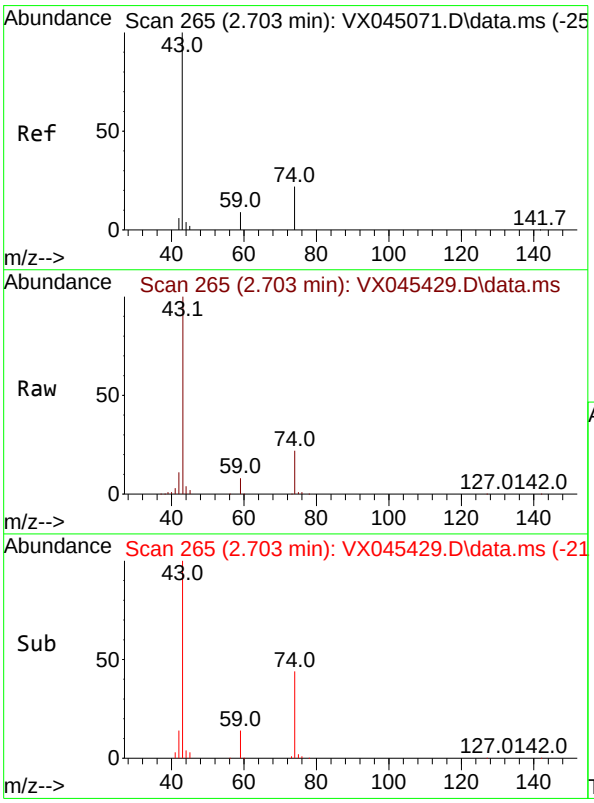
Ion	Ratio	Lower	Upper
76	100		
78	9.0	6.6	9.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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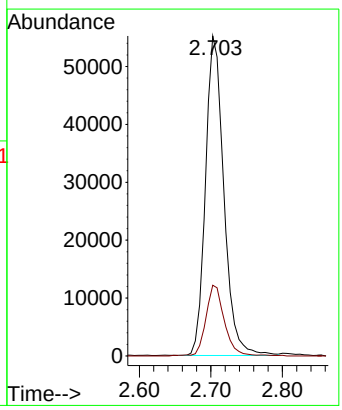
Reviewed By :John Carlone 03/25/2025
Supervised By :Mahesh Dadoda 03/25/2025

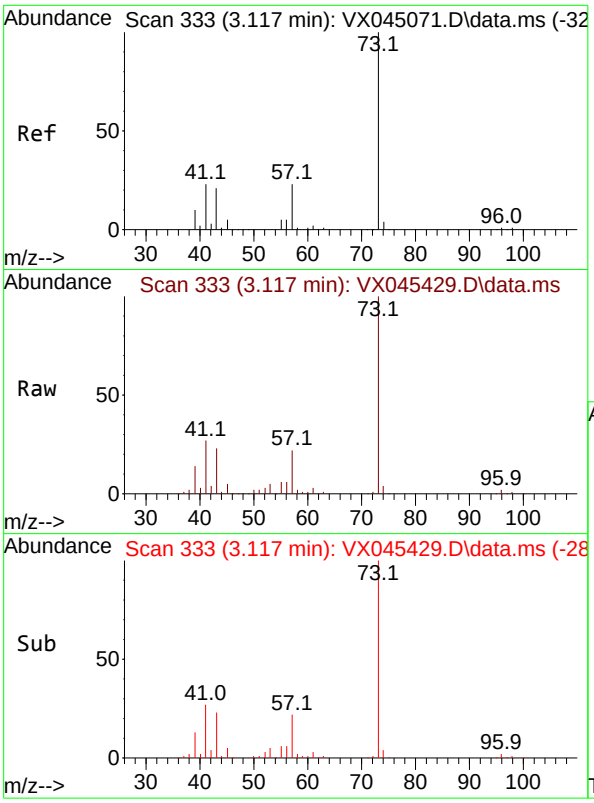


#18
Methyl Acetate
Concen: 69.942 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX045429.D
Acq: 24 Mar 2025 20:42

Tgt Ion: 43 Resp: 98571

Ion	Ratio	Lower	Upper
43	100		
74	22.4	17.4	26.2

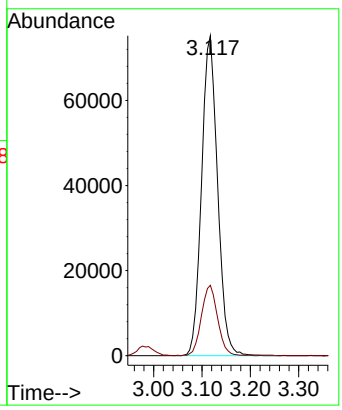




#19
Methyl tert-butyl Ether
Concen: 52.780 ug/l
RT: 3.117 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045429.D
Acq: 24 Mar 2025 20:42

Tgt Ion: 73 Resp: 17272

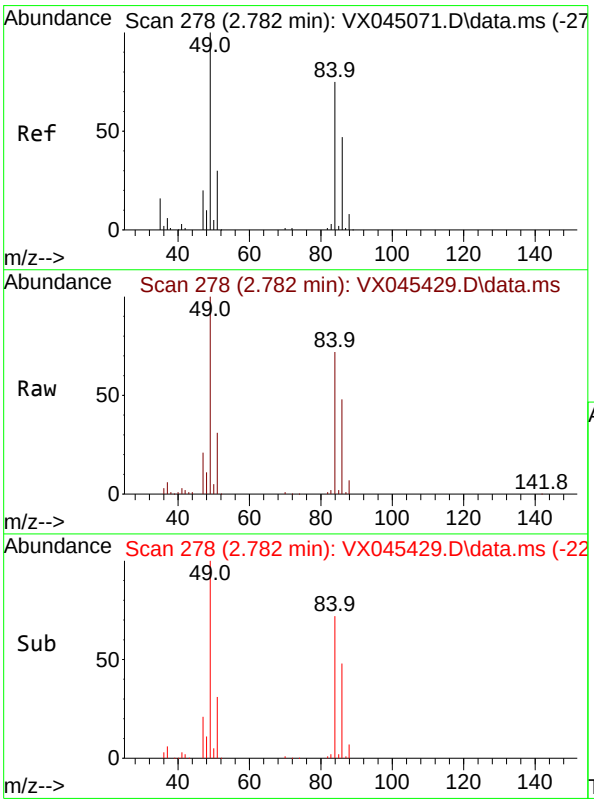
Ion	Ratio	Lower	Upper
73	100		
57	22.0	18.5	27.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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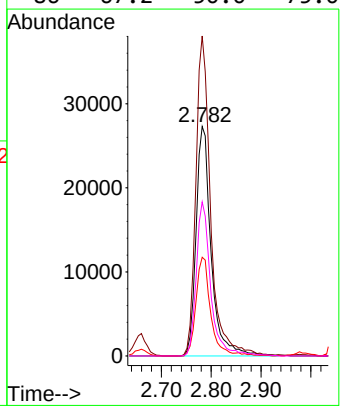
Reviewed By :John Carlone 03/25/2025
Supervised By :Mahesh Dadoda 03/25/2025

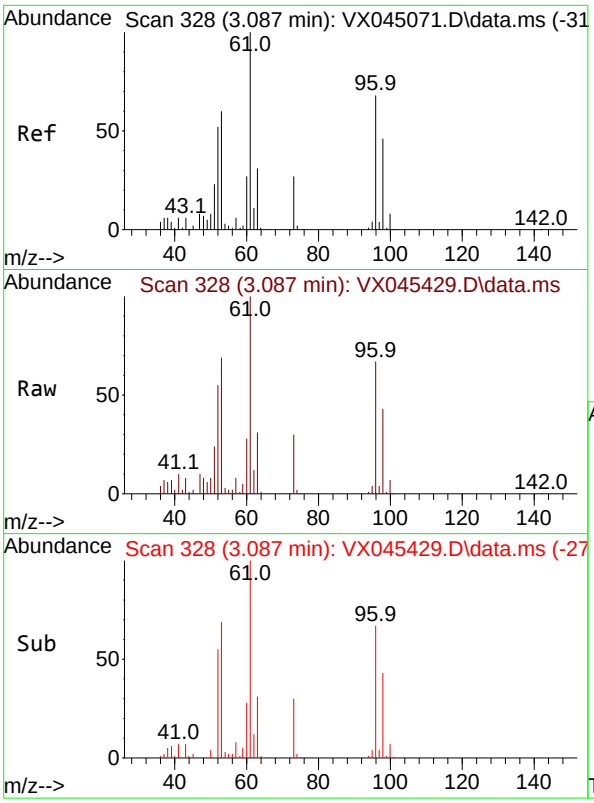


#20
Methylene Chloride
Concen: 49.467 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX045429.D
Acq: 24 Mar 2025 20:42

Tgt Ion: 84 Resp: 57405

Ion	Ratio	Lower	Upper
84	100		
49	139.5	106.5	159.7
51	43.0	32.1	48.1
86	67.2	50.0	75.0





#21
trans-1,2-Dichloroethene
Concen: 49.020 ug/l
RT: 3.087 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045429.D
Acq: 24 Mar 2025 20:42

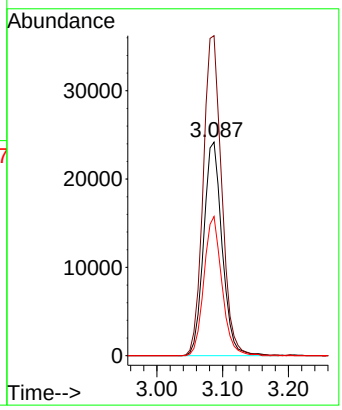
Tgt Ion: 96 Resp: 4723

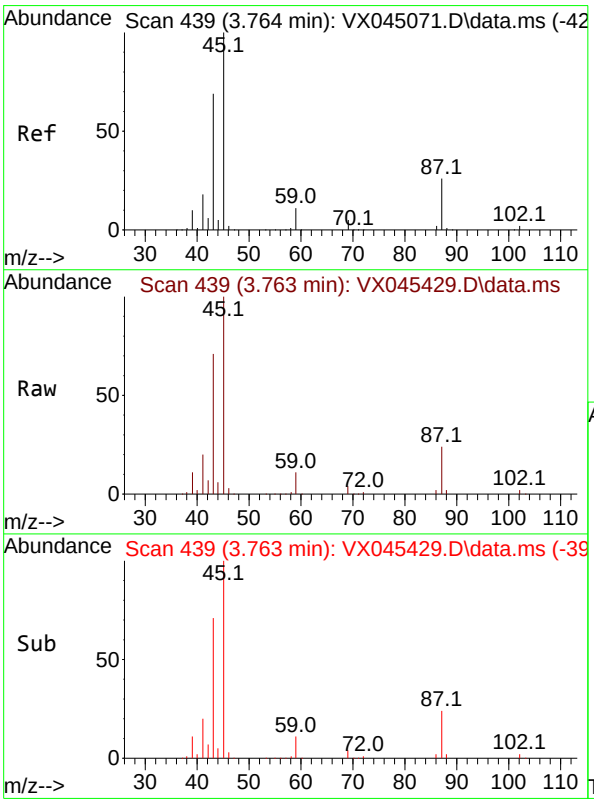
Ion	Ratio	Lower	Upper
96	100		
61	149.8	117.0	175.4
98	65.1	53.4	80.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Reviewed By :John Carlone 03/25/2025
Supervised By :Mahesh Dadoda 03/25/2025

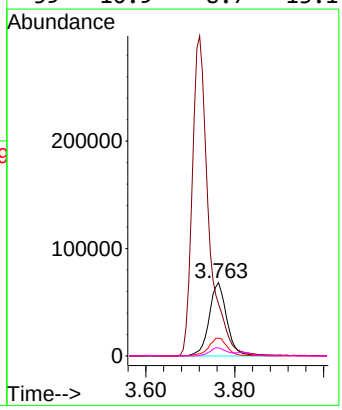


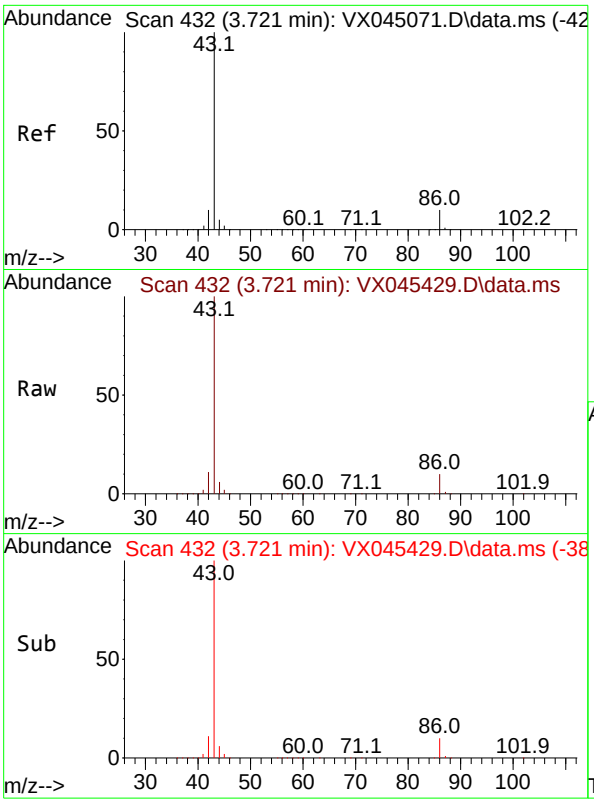


#22
Diisopropyl ether
Concen: 53.354 ug/l
RT: 3.763 min Scan# 439
Delta R.T. -0.000 min
Lab File: VX045429.D
Acq: 24 Mar 2025 20:42

Tgt Ion: 45 Resp: 188400

Ion	Ratio	Lower	Upper
45	100		
43	70.8	54.9	82.3
87	24.2	21.0	31.4
59	10.9	8.7	13.1

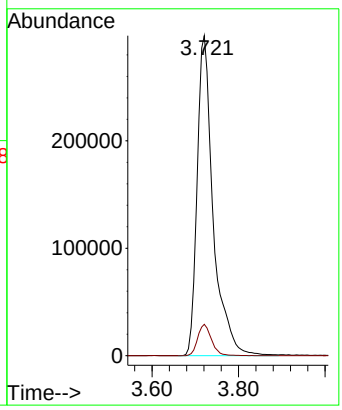




#23
Vinyl Acetate
Concen: 260.018 ug/l
RT: 3.721 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX045429.D
Acq: 24 Mar 2025 20:42

Tgt Ion: 43 Resp: 76621

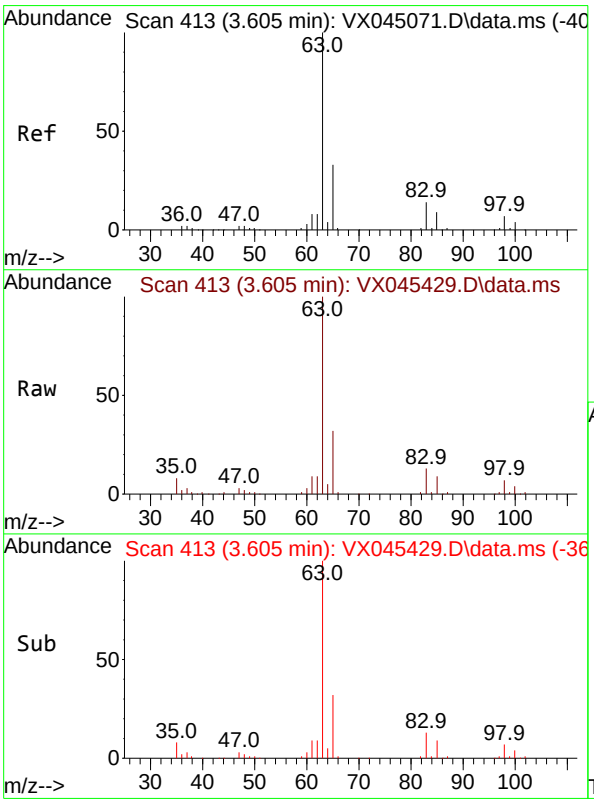
Ion	Ratio	Lower	Upper
43	100		
86	9.8	8.1	12.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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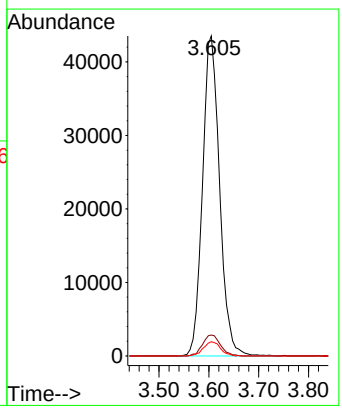
Reviewed By :John Carlone 03/25/2025
Supervised By :Mahesh Dadoda 03/25/2025

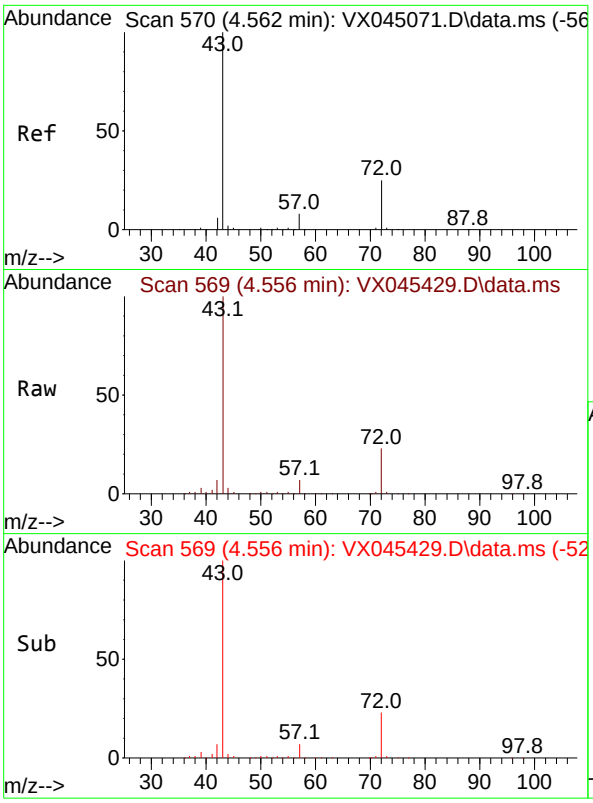


#24
1,1-Dichloroethane
Concen: 52.316 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX045429.D
Acq: 24 Mar 2025 20:42

Tgt Ion: 63 Resp: 103533

Ion	Ratio	Lower	Upper
63	100		
98	6.6	3.4	10.2
100	4.4	2.1	6.5





#25
2-Butanone
Concen: 270.441 ug/l
RT: 4.556 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX045429.D
Acq: 24 Mar 2025 20:42

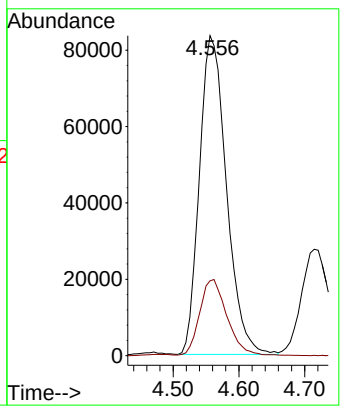
Tgt Ion: 43 Resp: 23848

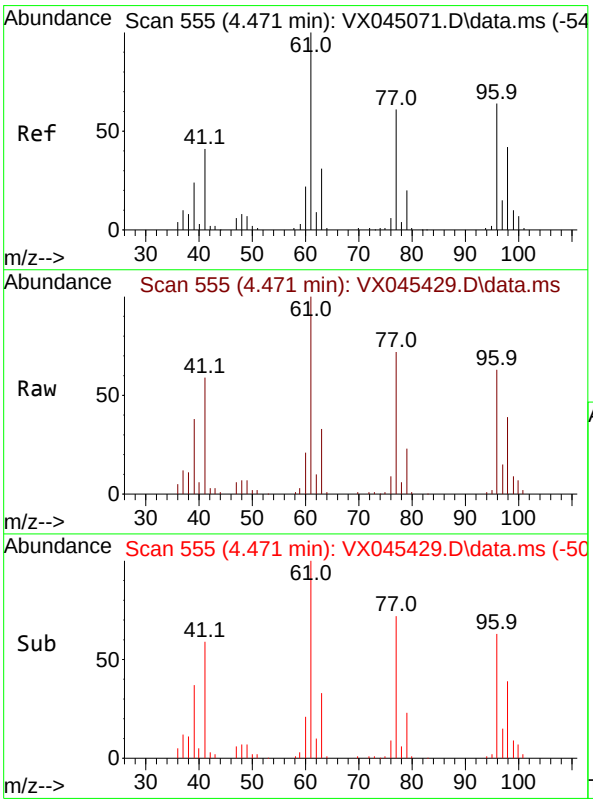
Ion	Ratio	Lower	Upper
43	100		
72	23.3	20.0	30.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Reviewed By :John Carlone 03/25/2025
Supervised By :Mahesh Dadoda 03/25/2025

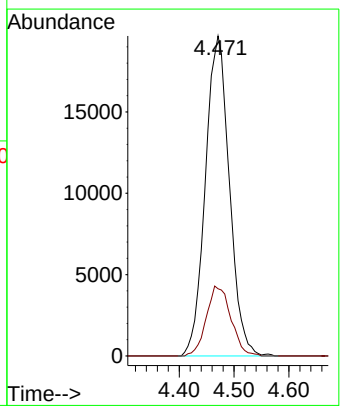


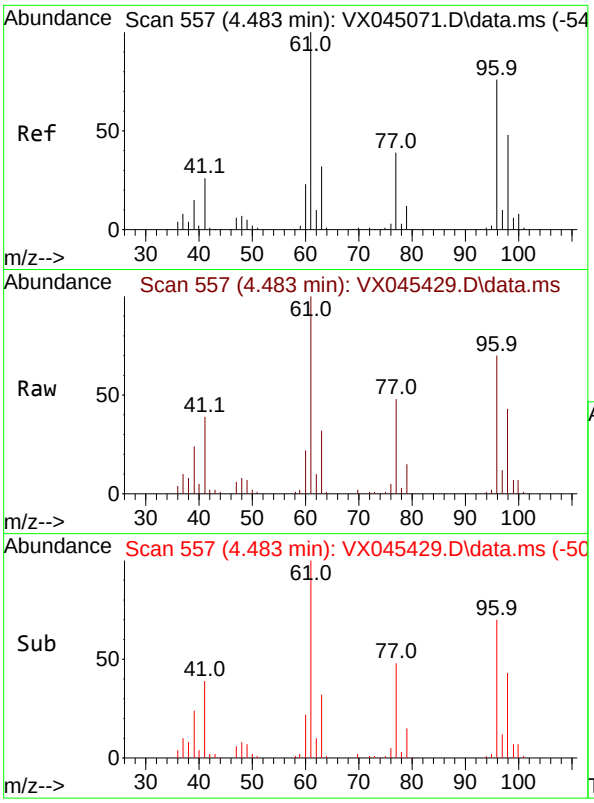


#26
2,2-Dichloropropane
Concen: 64.528 ug/l
RT: 4.471 min Scan# 555
Delta R.T. -0.000 min
Lab File: VX045429.D
Acq: 24 Mar 2025 20:42

Tgt Ion: 77 Resp: 59898

Ion	Ratio	Lower	Upper
77	100		
97	22.3	12.4	37.0

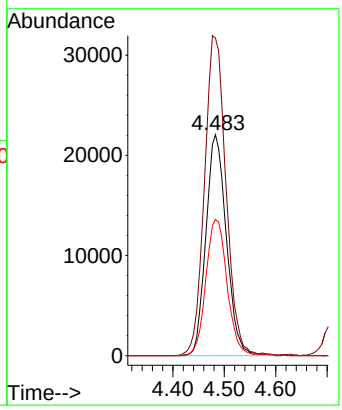




#27
cis-1,2-Dichloroethene
Concen: 51.328 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045429.D
Acq: 24 Mar 2025 20:42

Tgt Ion: 96 Resp: 6105

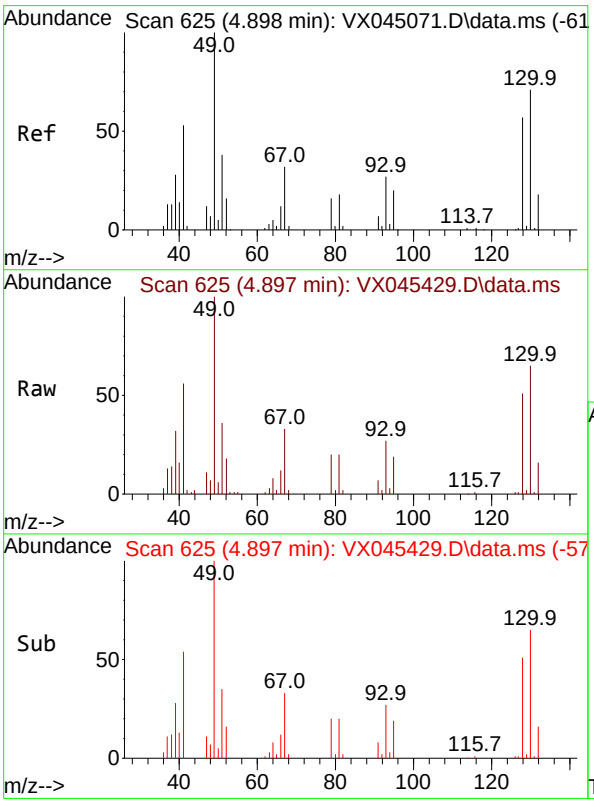
Ion	Ratio	Lower	Upper
96	100		
61	151.6	0.0	283.2
98	63.7	0.0	128.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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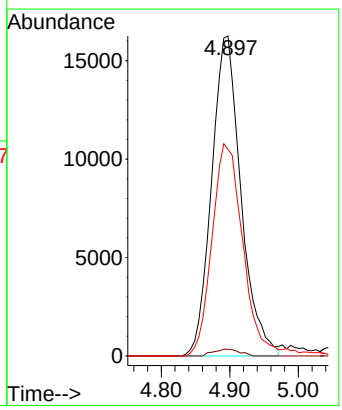
Reviewed By :John Carlone 03/25/2025
Supervised By :Mahesh Dadoda 03/25/2025

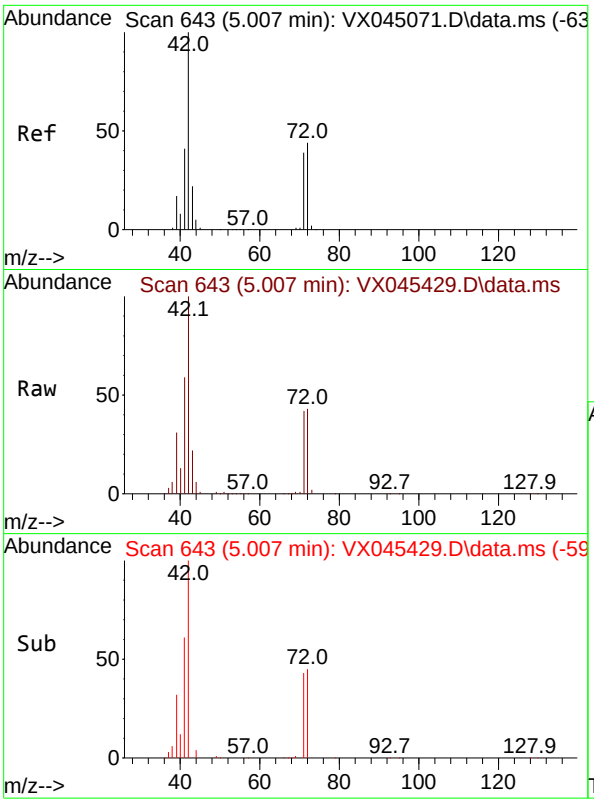


#28
Bromochloromethane
Concen: 51.274 ug/l
RT: 4.897 min Scan# 625
Delta R.T. -0.000 min
Lab File: VX045429.D
Acq: 24 Mar 2025 20:42

Tgt Ion: 49 Resp: 48365

Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.4
130	71.0	56.1	84.1





#29
Tetrahydrofuran
Concen: 251.430 ug/l
RT: 5.007 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX045429.D
Acq: 24 Mar 2025 20:42

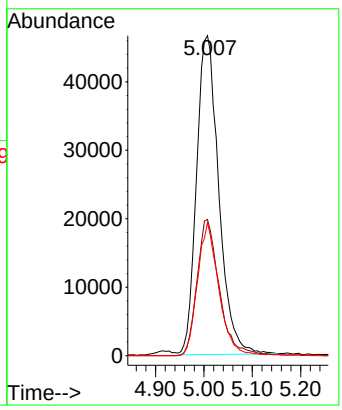
Tgt Ion: 42 Resp: 14889

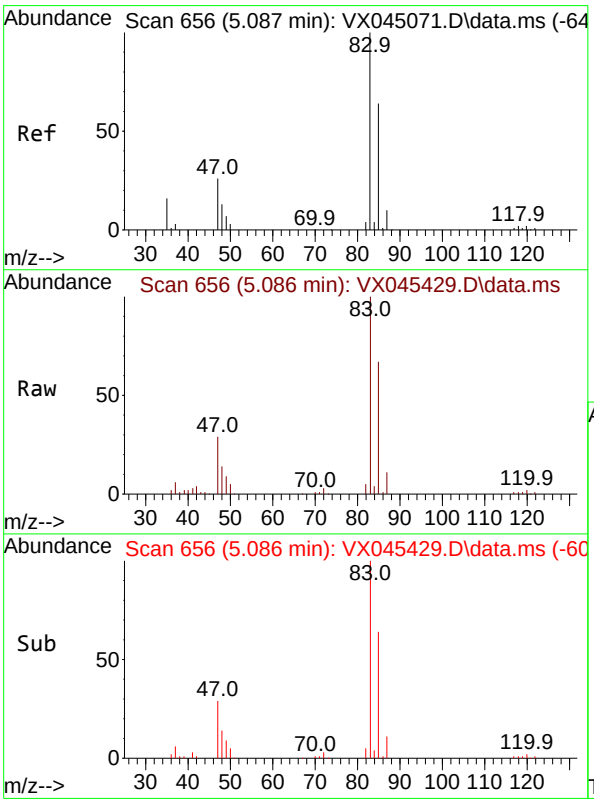
Ion	Ratio	Lower	Upper
42	100		
72	42.9	34.1	51.1
71	39.8	31.4	47.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Reviewed By :John Carlone 03/25/2025
Supervised By :Mahesh Dadoda 03/25/2025

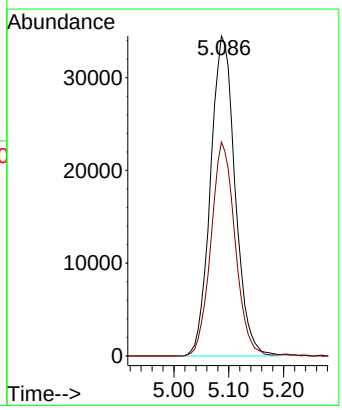


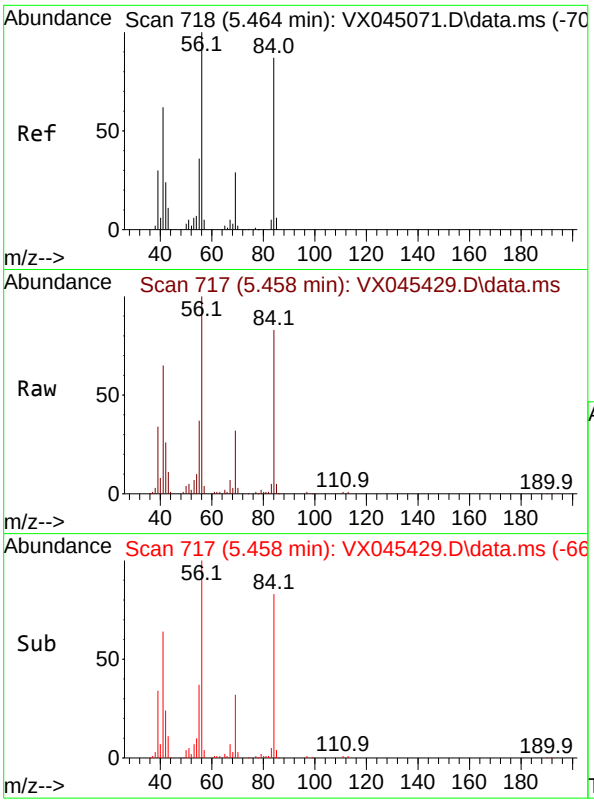


#30
Chloroform
Concen: 54.666 ug/l
RT: 5.086 min Scan# 656
Delta R.T. -0.000 min
Lab File: VX045429.D
Acq: 24 Mar 2025 20:42

Tgt Ion: 83 Resp: 107493

Ion	Ratio	Lower	Upper
83	100		
85	66.9	51.4	77.2

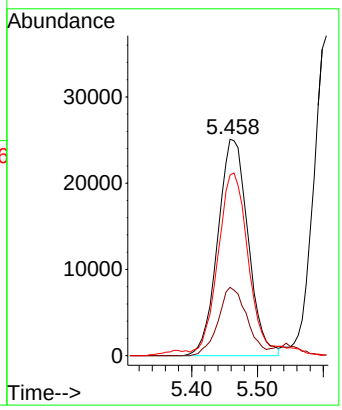




#31
Cyclohexane
Concen: 46.799 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045429.D
Acq: 24 Mar 2025 20:42

Tgt Ion: 56 Resp: 8039

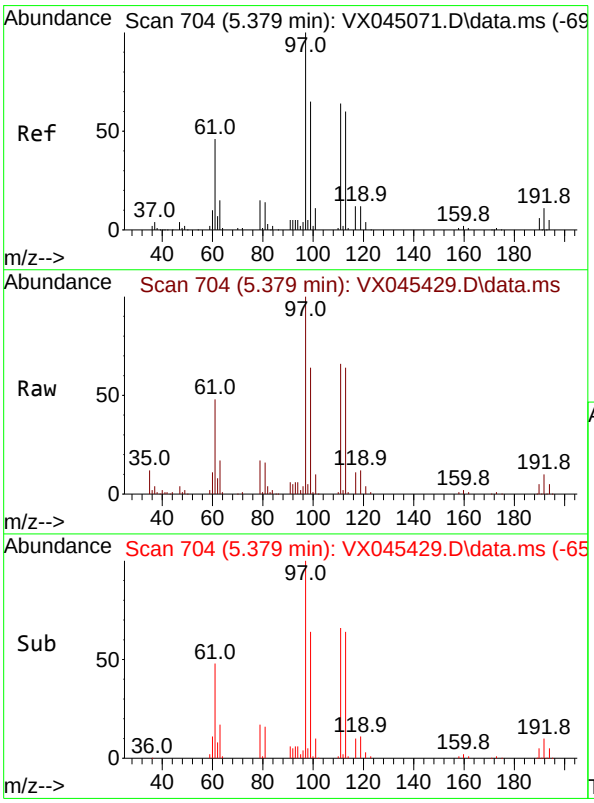
Ion	Ratio	Lower	Upper
56	100		
69	31.5	23.4	35.2
84	81.0	69.4	104.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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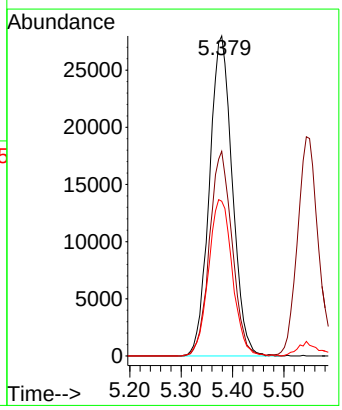
Reviewed By :John Carlone 03/25/2025
Supervised By :Mahesh Dadoda 03/25/2025

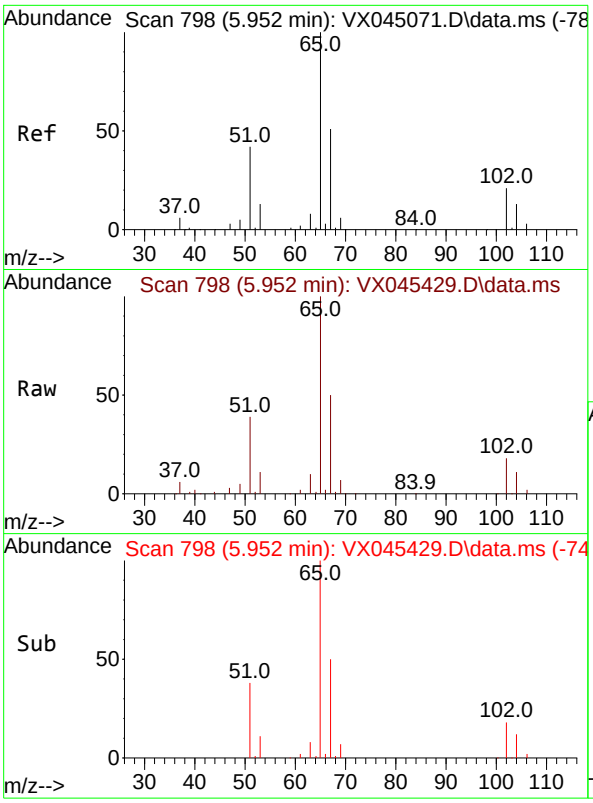


#32
1,1,1-Trichloroethane
Concen: 54.542 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX045429.D
Acq: 24 Mar 2025 20:42

Tgt Ion: 97 Resp: 86620

Ion	Ratio	Lower	Upper
97	100		
99	63.3	51.6	77.4
61	51.0	38.4	57.6

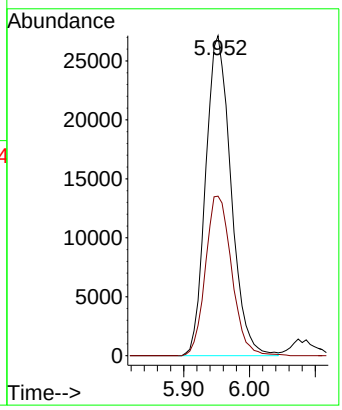




#33
1,2-Dichloroethane-d4
Concen: 57.633 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045429.D
Acq: 24 Mar 2025 20:42

Tgt Ion: 65 Resp: 7277

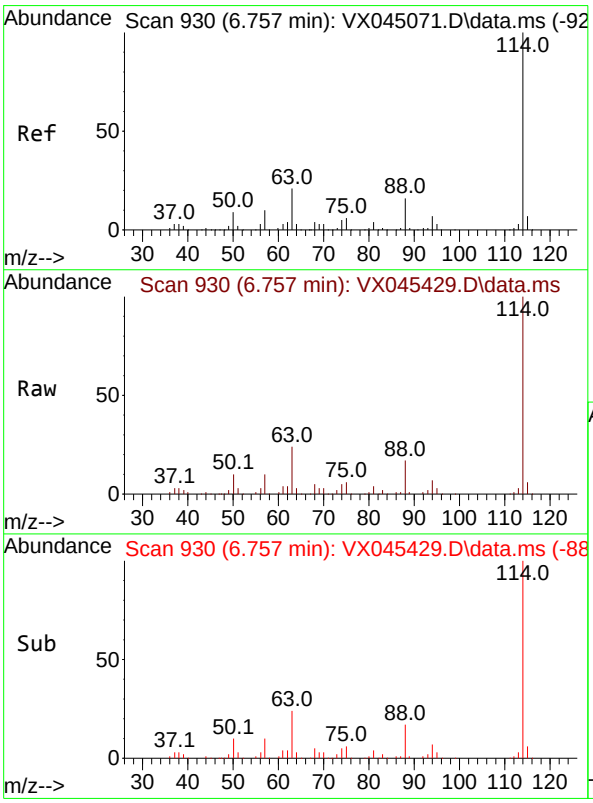
Ion	Ratio	Lower	Upper
65	100		
67	51.6	0.0	106.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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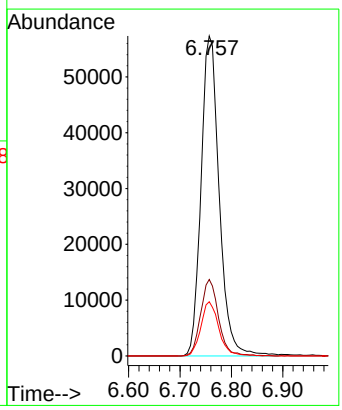
Reviewed By :John Carlone 03/25/2025
Supervised By :Mahesh Dadoda 03/25/2025

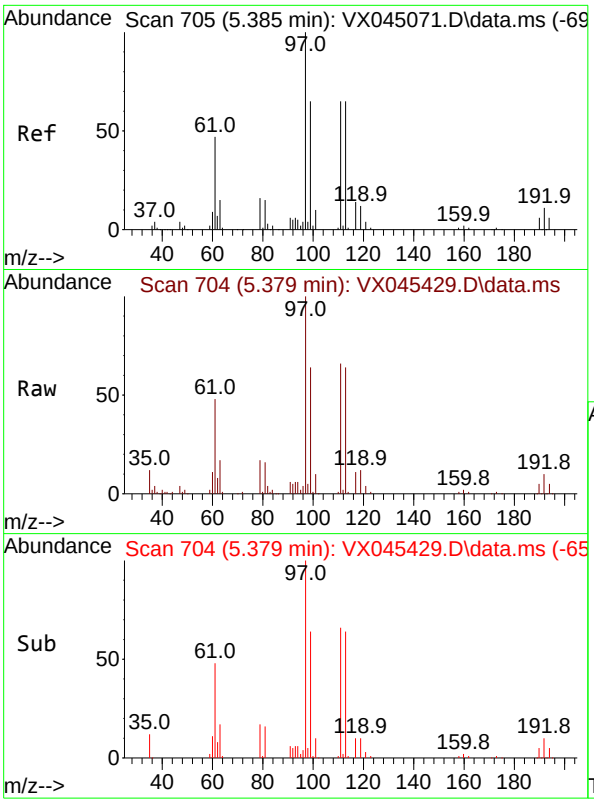


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX045429.D
Acq: 24 Mar 2025 20:42

Tgt Ion:114 Resp: 140920

Ion	Ratio	Lower	Upper
114	100		
63	23.9	0.0	41.8
88	17.0	0.0	32.8

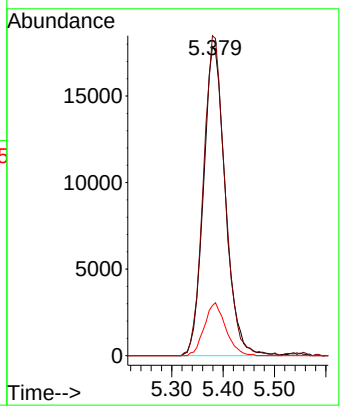




#35
Dibromofluoromethane
Concen: 56.036 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045429.D
Acq: 24 Mar 2025 20:42

Tgt Ion:113 Resp: 5280

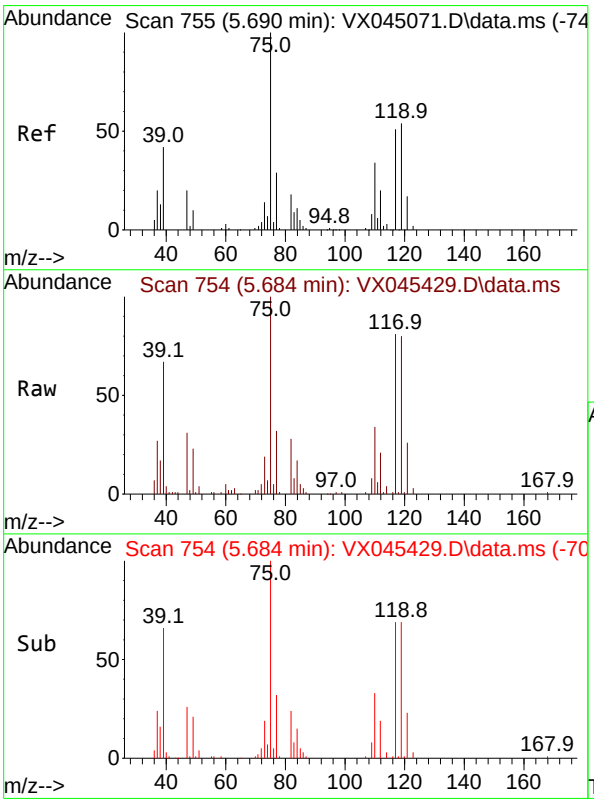
Ion	Ratio	Lower	Upper
113	100		
111	102.4	81.8	122.6
192	16.7	14.3	21.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

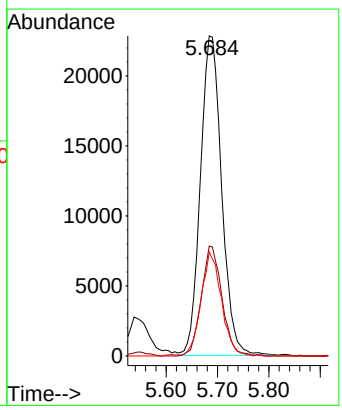
Reviewed By :John Carlone 03/25/2025
Supervised By :Mahesh Dadoda 03/25/2025

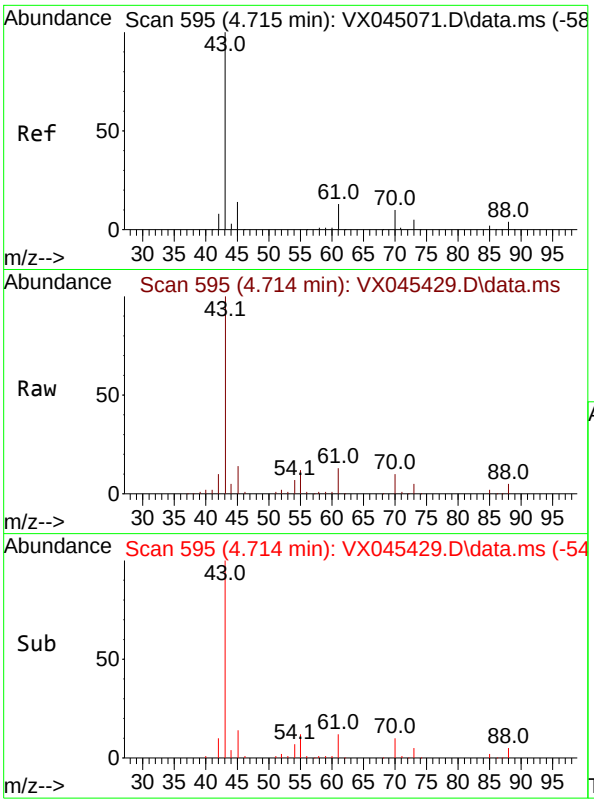


#36
1,1-Dichloropropene
Concen: 50.739 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX045429.D
Acq: 24 Mar 2025 20:42

Tgt Ion: 75 Resp: 65568

Ion	Ratio	Lower	Upper
75	100		
110	33.2	16.9	50.6
77	30.3	24.5	36.7

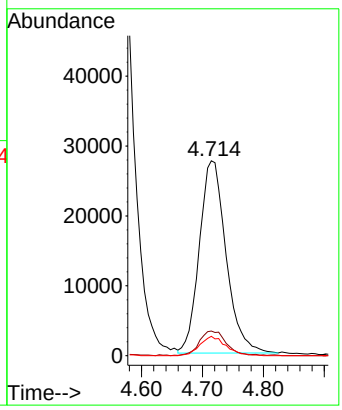




#37
Ethyl Acetate
Concen: 50.417 ug/l
RT: 4.714 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045429.D
Acq: 24 Mar 2025 20:42

Tgt Ion: 43 Resp: 8395

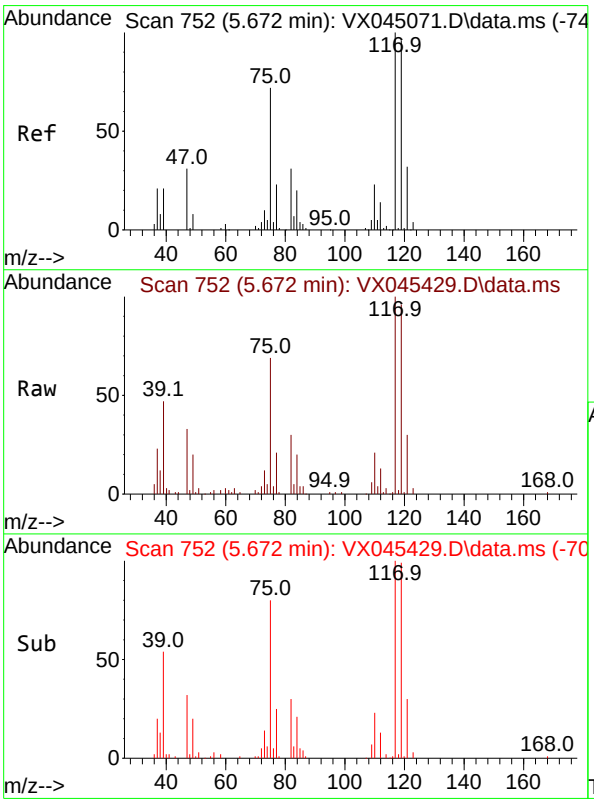
Ion	Ratio	Lower	Upper
43	100		
61	13.0	10.8	16.2
70	9.7	7.7	11.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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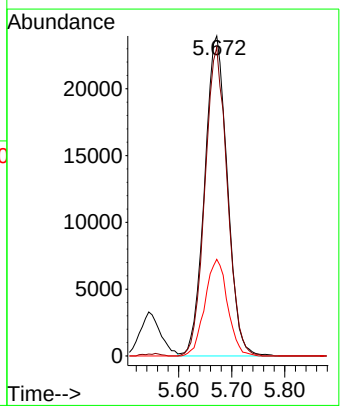
Reviewed By :John Carlone 03/25/2025
Supervised By :Mahesh Dadoda 03/25/2025

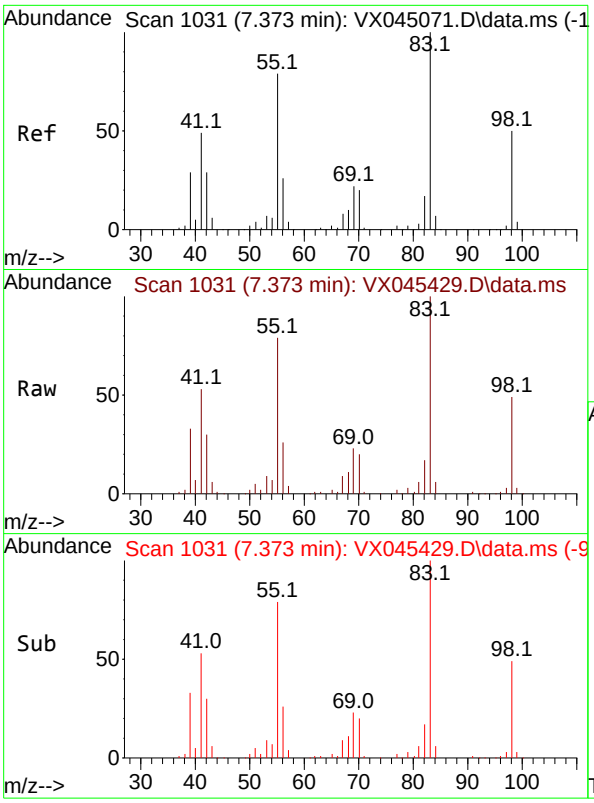


#38
Carbon Tetrachloride
Concen: 54.307 ug/l
RT: 5.672 min Scan# 752
Delta R.T. -0.000 min
Lab File: VX045429.D
Acq: 24 Mar 2025 20:42

Tgt Ion:117 Resp: 71248

Ion	Ratio	Lower	Upper
117	100		
119	96.4	76.7	115.1
121	30.2	25.5	38.3

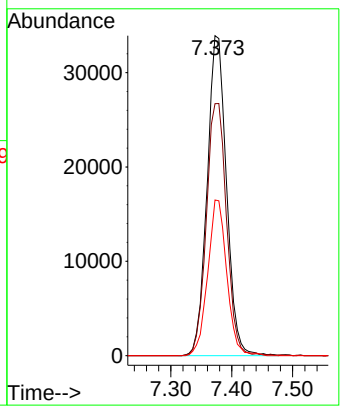




#39
Methylcyclohexane
Concen: 48.408 ug/l
RT: 7.373 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045429.D
Acq: 24 Mar 2025 20:42

Tgt Ion: 83 Resp: 7495

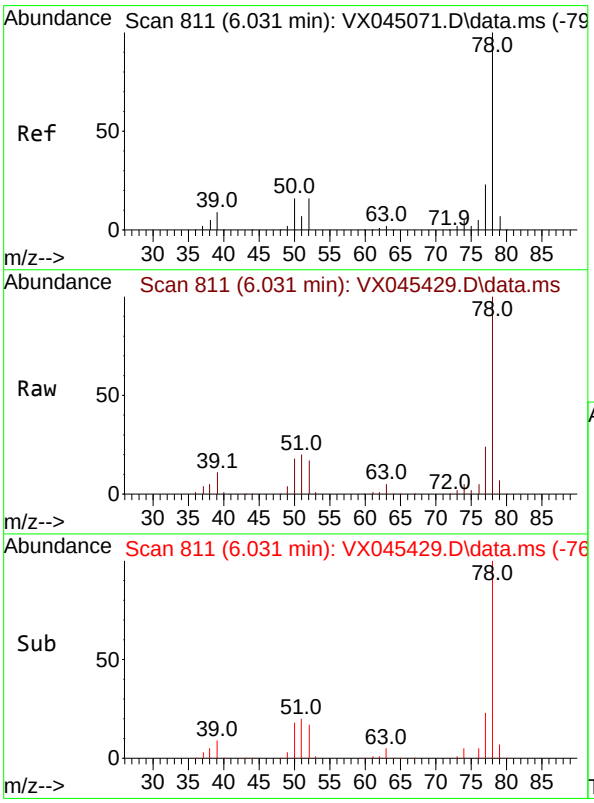
Ion	Ratio	Lower	Upper
83	100		
55	78.7	63.0	94.4
98	48.6	39.7	59.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

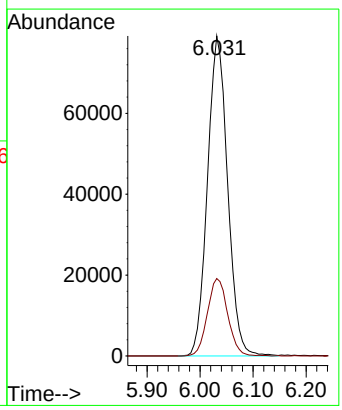
Reviewed By :John Carlone 03/25/2025
Supervised By :Mahesh Dadoda 03/25/2025

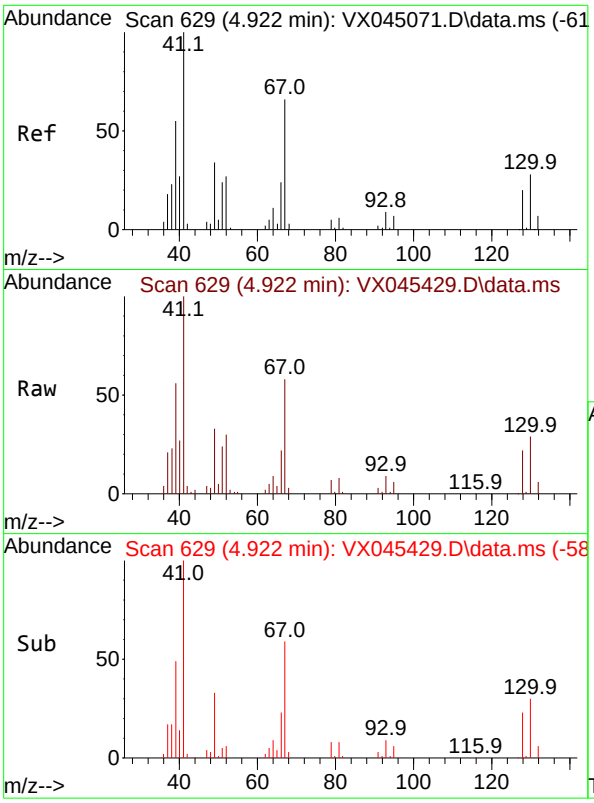


#40
Benzene
Concen: 51.175 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX045429.D
Acq: 24 Mar 2025 20:42

Tgt Ion: 78 Resp: 208827

Ion	Ratio	Lower	Upper
78	100		
77	24.2	18.8	28.2

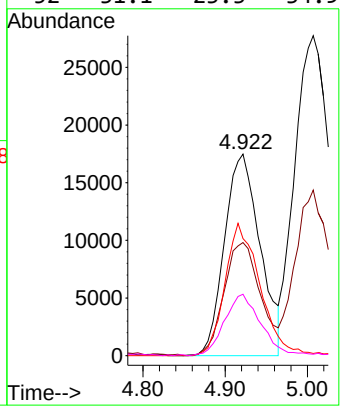




#41
Methacrylonitrile
Concen: 58.623 ug/l
RT: 4.922 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX045429.D
Acq: 24 Mar 2025 20:42

Tgt Ion: 41 Resp: 5278

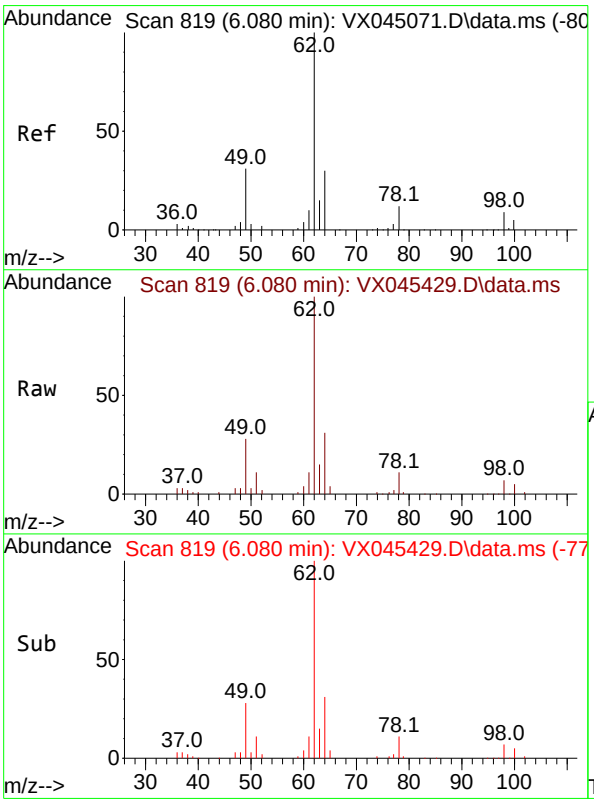
Ion	Ratio	Lower	Upper
41	100		
39	57.5	44.6	67.0
67	65.0	53.9	80.9
52	31.1	23.3	34.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

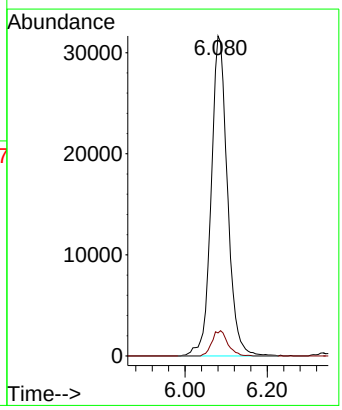
Reviewed By :John Carlone 03/25/2025
Supervised By :Mahesh Dadoda 03/25/2025

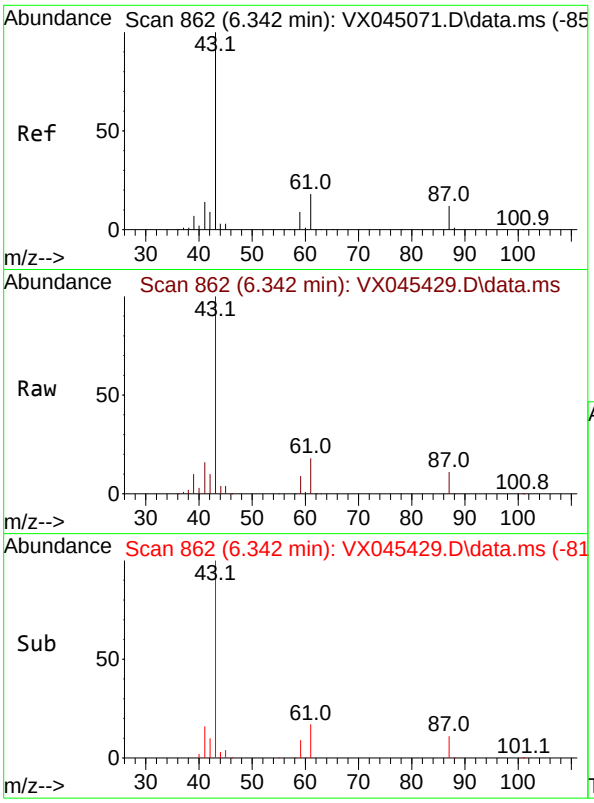


#42
1,2-Dichloroethane
Concen: 59.283 ug/l
RT: 6.080 min Scan# 819
Delta R.T. -0.000 min
Lab File: VX045429.D
Acq: 24 Mar 2025 20:42

Tgt Ion: 62 Resp: 87114

Ion	Ratio	Lower	Upper
62	100		
98	7.7	0.0	18.2

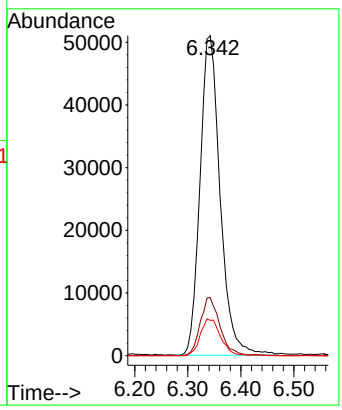




#43
Isopropyl Acetate
Concen: 54.724 ug/l
RT: 6.342 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045429.D
Acq: 24 Mar 2025 20:42

Tgt Ion: 43 Resp: 13474

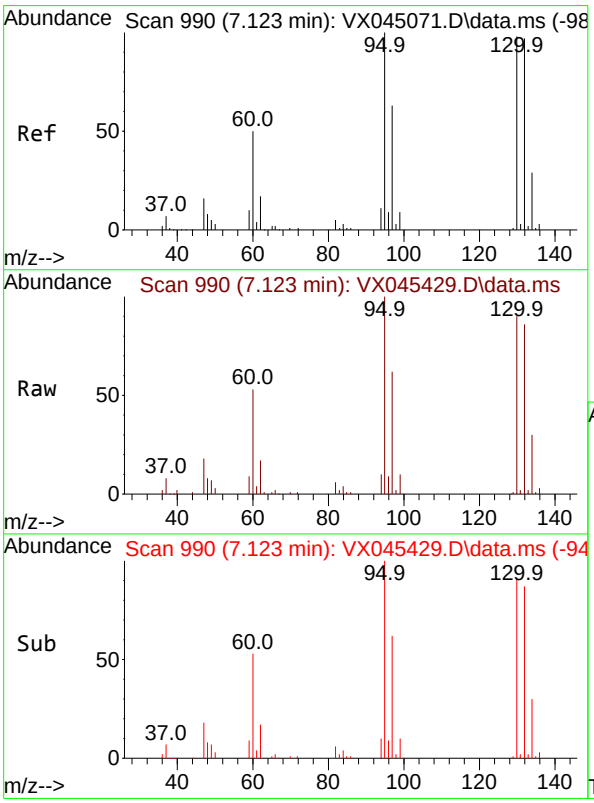
Ion	Ratio	Lower	Upper
43	100		
61	17.7	14.9	22.3
87	11.6	9.4	14.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

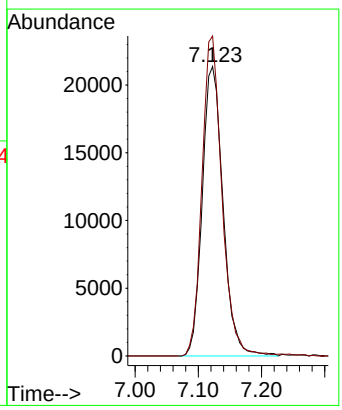
Reviewed By :John Carlone 03/25/2025
Supervised By :Mahesh Dadoda 03/25/2025

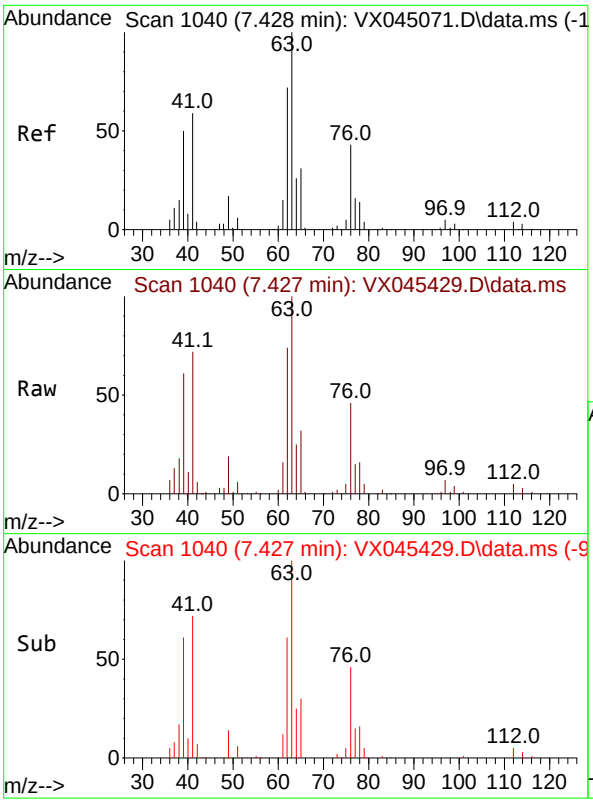


#44
Trichloroethene
Concen: 50.948 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX045429.D
Acq: 24 Mar 2025 20:42

Tgt Ion:130 Resp: 48817

Ion	Ratio	Lower	Upper
130	100		
95	110.6	0.0	205.0

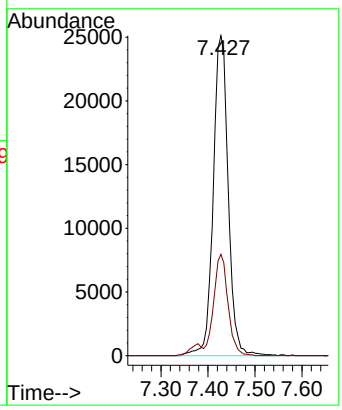




#45
1,2-Dichloropropane
Concen: 52.926 ug/l
RT: 7.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045429.D
Acq: 24 Mar 2025 20:42

Tgt Ion: 63 Resp: 5552

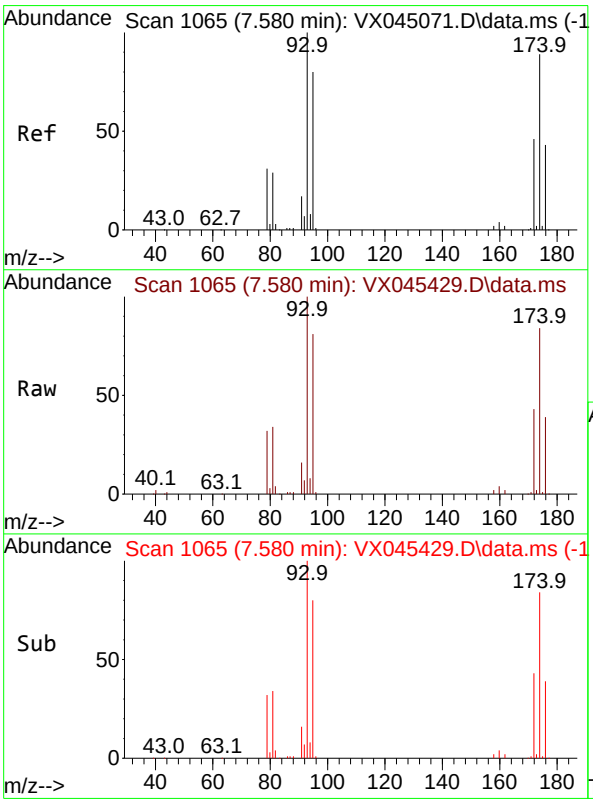
Ion	Ratio	Lower	Upper
63	100		
65	31.7	24.7	37.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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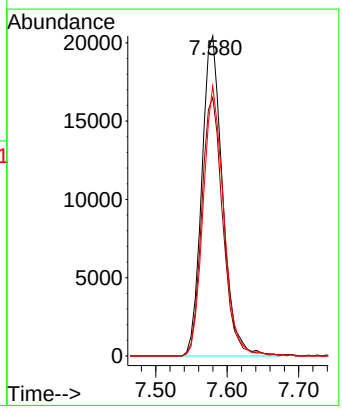
Reviewed By :John Carlone 03/25/2025
Supervised By :Mahesh Dadoda 03/25/2025

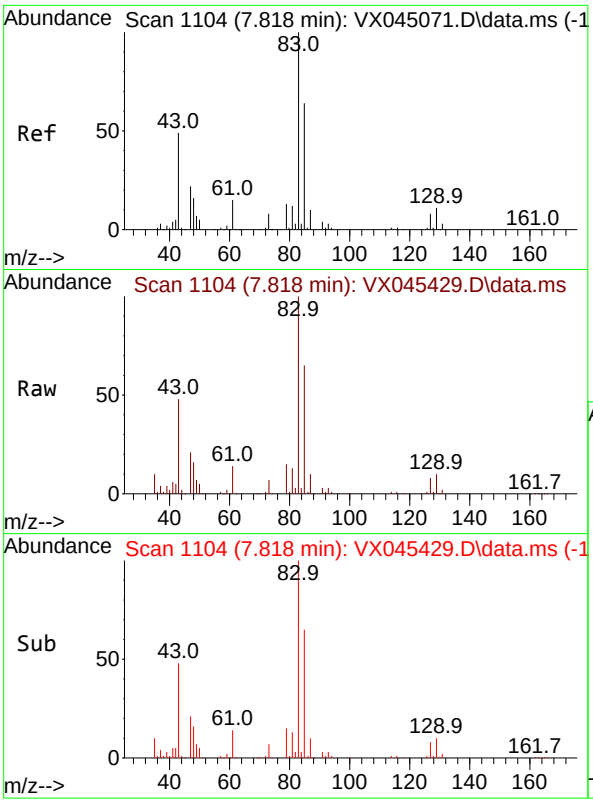


#46
Dibromomethane
Concen: 55.622 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VX045429.D
Acq: 24 Mar 2025 20:42

Tgt Ion: 93 Resp: 41248

Ion	Ratio	Lower	Upper
93	100		
95	82.4	65.8	98.8
174	83.8	72.2	108.2

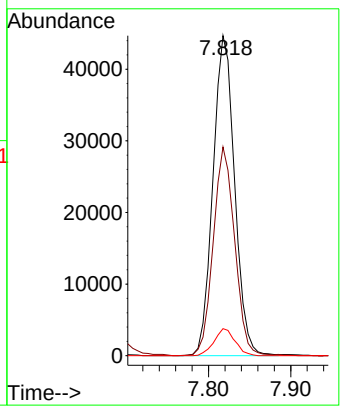




#47
Bromodichloromethane
Concen: 56.211 ug/l
RT: 7.818 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045429.D
Acq: 24 Mar 2025 20:42

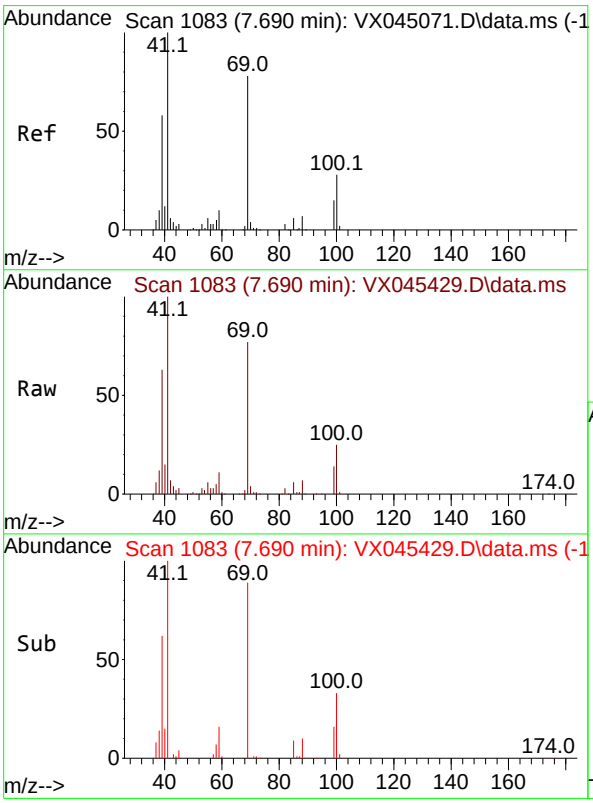
Tgt Ion: 83 Resp: 8176

Ion	Ratio	Lower	Upper
83	100		
85	65.2	51.1	76.7
127	8.4	6.4	9.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

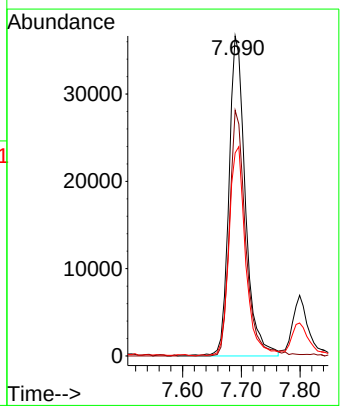
Manual Integrations APPROVED
Reviewed By :John Carlone 03/25/2025
Supervised By :Mahesh Dadoda 03/25/2025

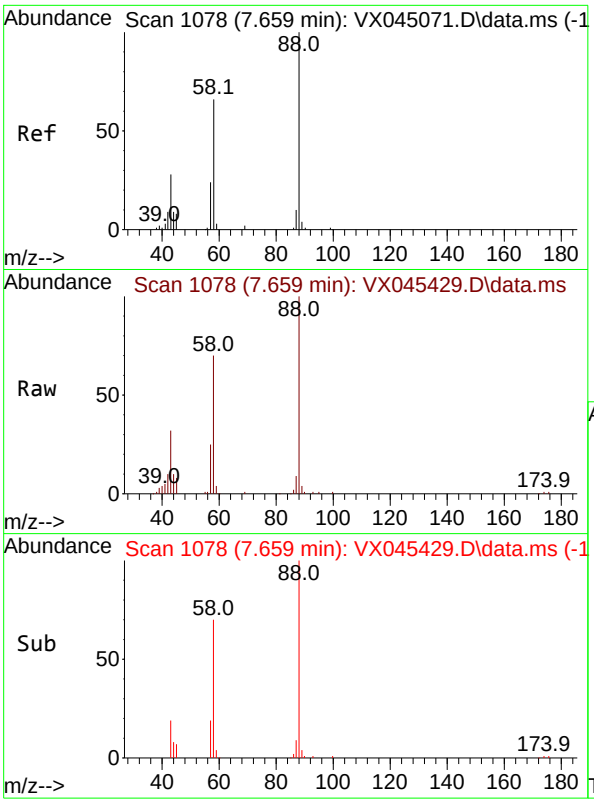


#48
Methyl methacrylate
Concen: 57.551 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. -0.000 min
Lab File: VX045429.D
Acq: 24 Mar 2025 20:42

Tgt Ion: 41 Resp: 71093

Ion	Ratio	Lower	Upper
41	100		
69	75.8	63.0	94.6
39	66.6	47.5	71.3

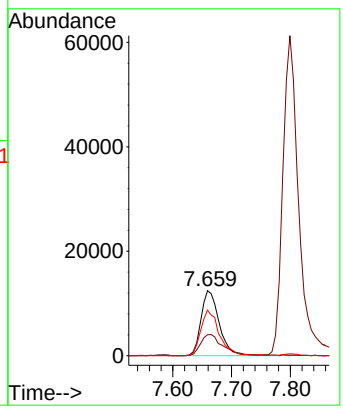




#49
1,4-Dioxane
Concen: 1025.803 ug/l
RT: 7.659 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045429.D
Acq: 24 Mar 2025 20:42

Tgt Ion: 88 Resp: 2673

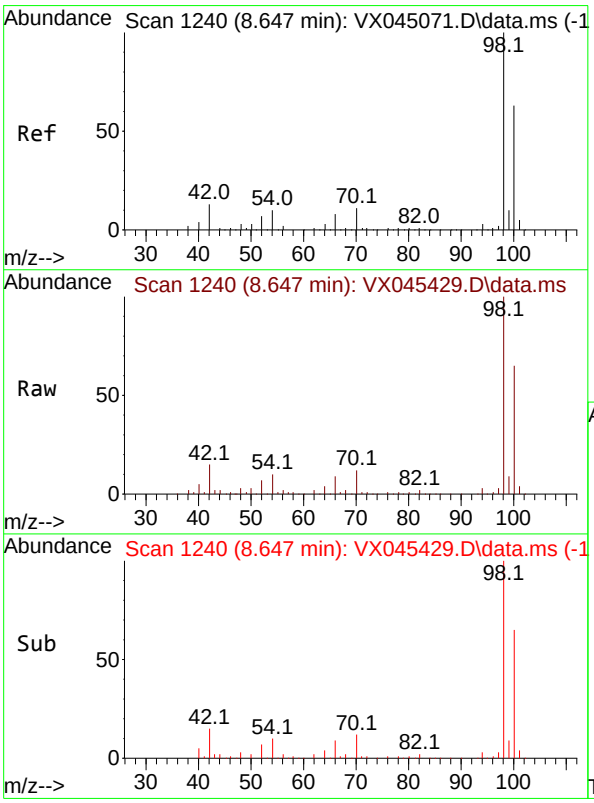
Ion	Ratio	Lower	Upper
88	100		
43	39.4	28.7	43.1
58	71.0	55.8	83.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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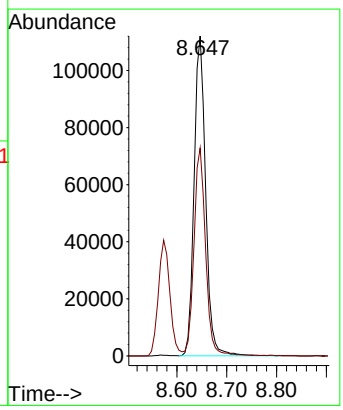
Reviewed By :John Carlone 03/25/2025
Supervised By :Mahesh Dadoda 03/25/2025

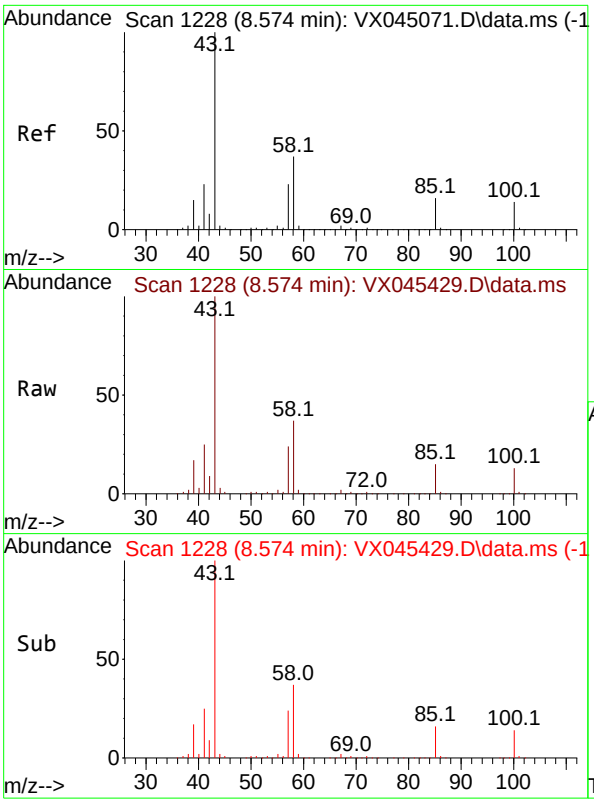


#50
Toluene-d8
Concen: 52.665 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045429.D
Acq: 24 Mar 2025 20:42

Tgt Ion: 98 Resp: 179910

Ion	Ratio	Lower	Upper
98	100		
100	65.3	52.0	78.0

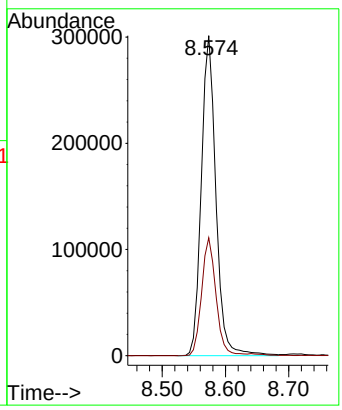




#51
4-Methyl-2-Pentanone
Concen: 293.128 ug/l
RT: 8.574 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045429.D
Acq: 24 Mar 2025 20:42

Tgt Ion: 43 Resp: 48462

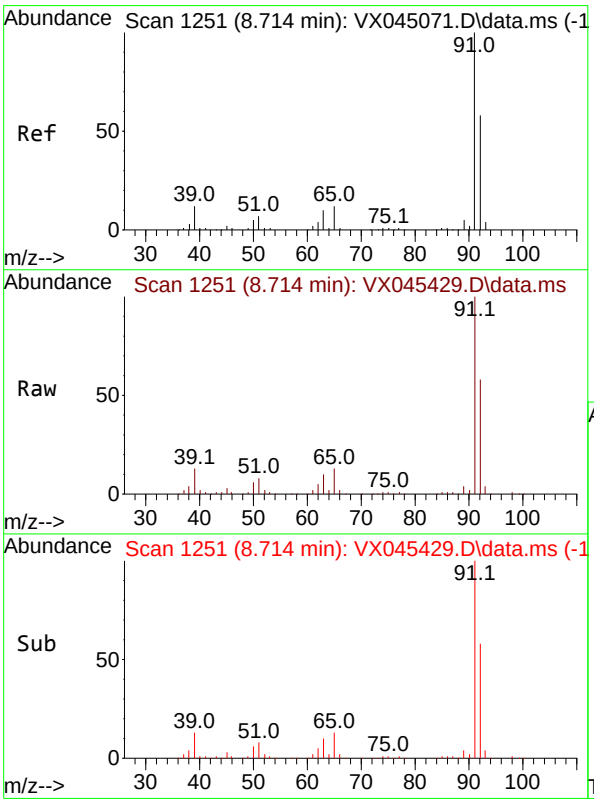
Ion	Ratio	Lower	Upper
43	100		
58	36.2	29.2	43.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

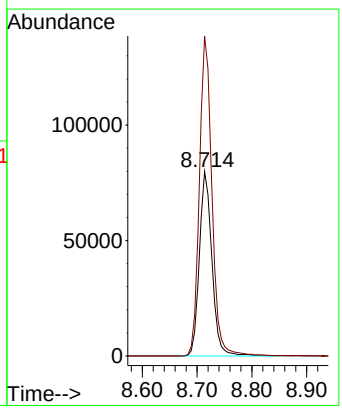
Reviewed By :John Carlone 03/25/2025
Supervised By :Mahesh Dadoda 03/25/2025

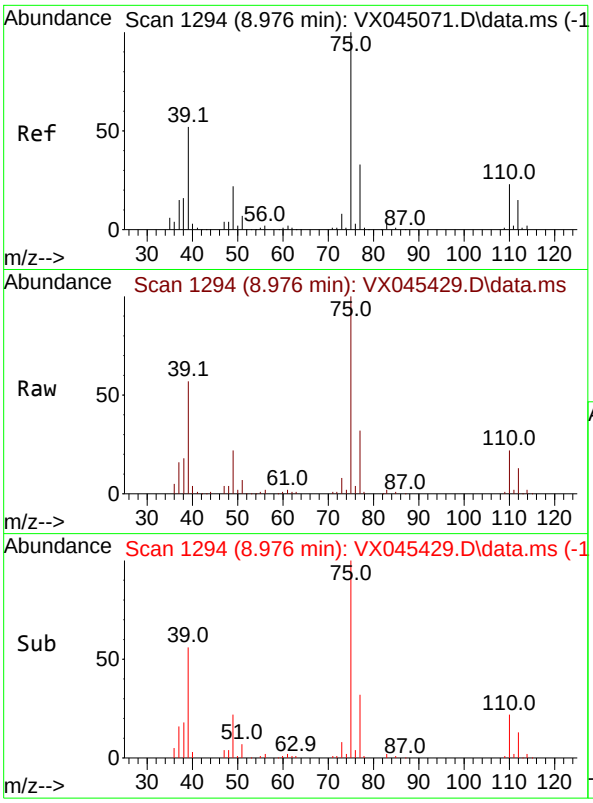


#52
Toluene
Concen: 53.247 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX045429.D
Acq: 24 Mar 2025 20:42

Tgt Ion: 92 Resp: 127484

Ion	Ratio	Lower	Upper
92	100		
91	173.3	138.9	208.3

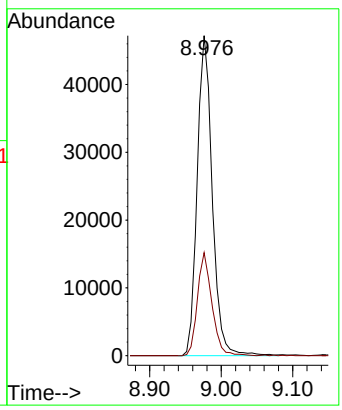




#53
t-1,3-Dichloropropene
Concen: 56.767 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045429.D
Acq: 24 Mar 2025 20:42

Tgt Ion: 75 Resp: 6903

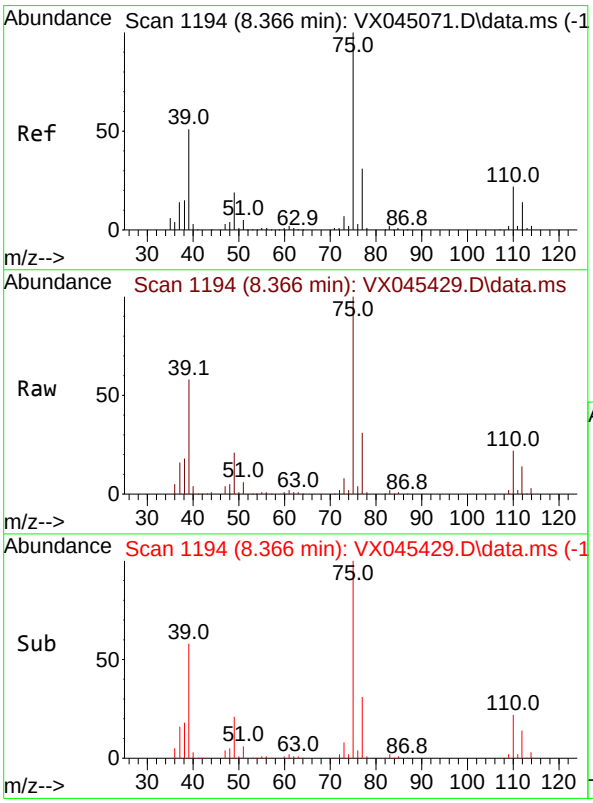
Ion	Ratio	Lower	Upper
75	100		
77	32.2	26.5	39.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

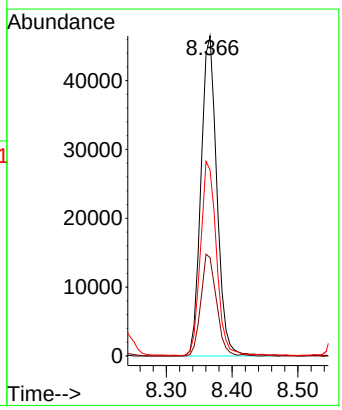
Reviewed By :John Carlone 03/25/2025
Supervised By :Mahesh Dadoda 03/25/2025

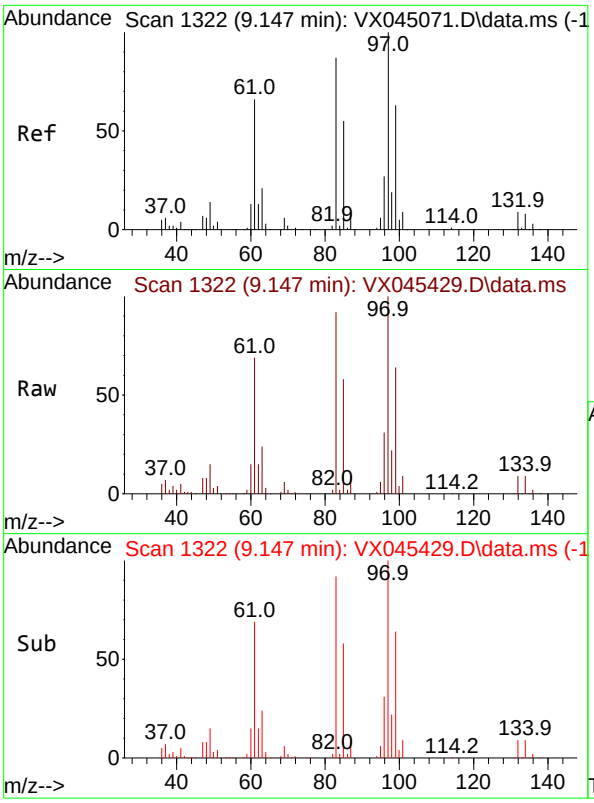


#54
cis-1,3-Dichloropropene
Concen: 55.193 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. -0.000 min
Lab File: VX045429.D
Acq: 24 Mar 2025 20:42

Tgt Ion: 75 Resp: 78264

Ion	Ratio	Lower	Upper
75	100		
77	30.7	24.7	37.1
39	58.0	40.7	61.1

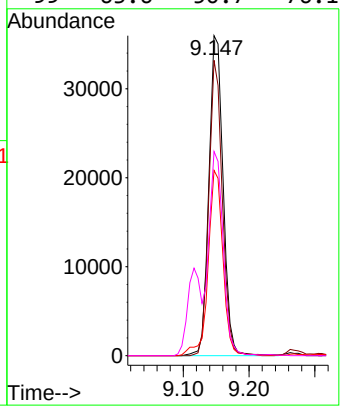




#55
1,1,2-Trichloroethane
Concen: 55.047 ug/l
RT: 9.147 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045429.D
Acq: 24 Mar 2025 20:42

Tgt Ion: 97 Resp: 5425

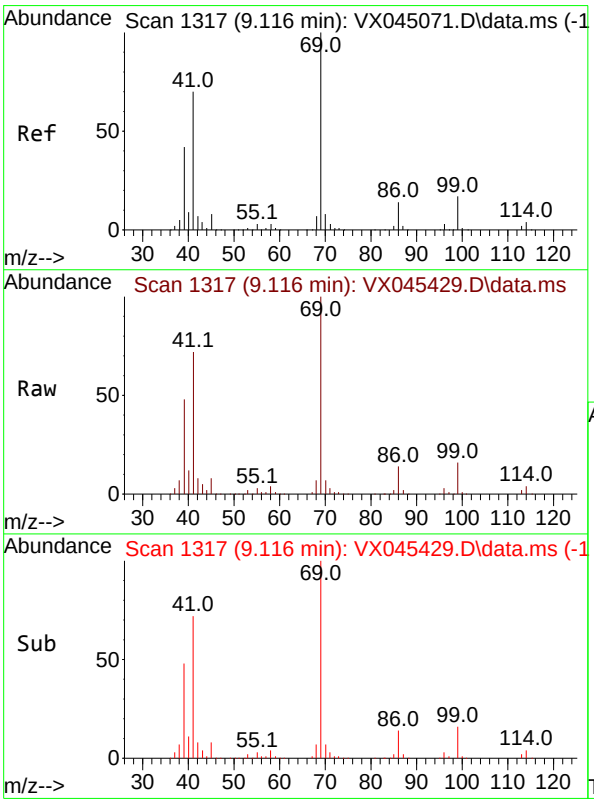
Ion	Ratio	Lower	Upper
97	100		
83	92.3	69.4	104.2
85	57.9	44.1	66.1
99	63.6	50.7	76.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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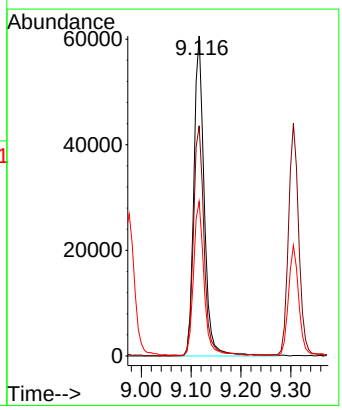
Reviewed By :John Carlone 03/25/2025
Supervised By :Mahesh Dadoda 03/25/2025

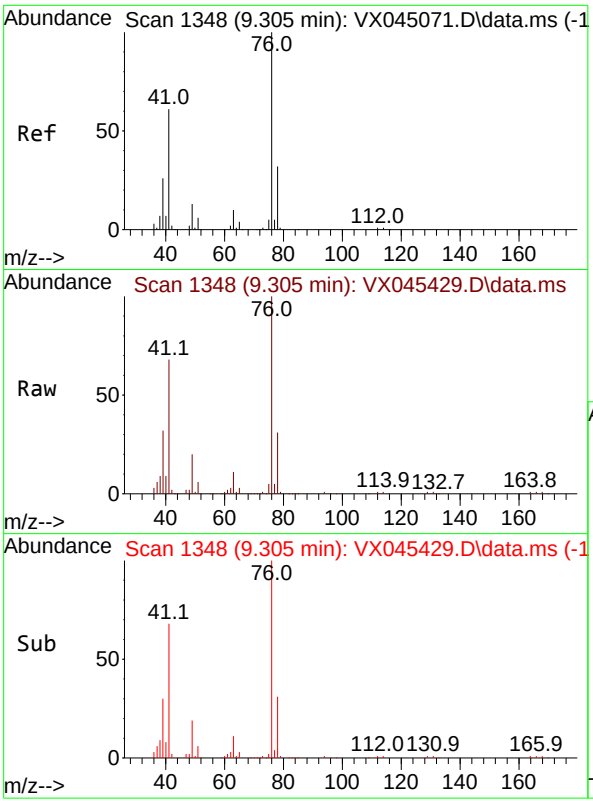


#56
Ethyl methacrylate
Concen: 58.353 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX045429.D
Acq: 24 Mar 2025 20:42

Tgt Ion: 69 Resp: 87426

Ion	Ratio	Lower	Upper
69	100		
41	75.0	57.0	85.4
39	48.3	34.2	51.4





#57
1,3-Dichloropropane
Concen: 54.877 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045429.D
Acq: 24 Mar 2025 20:42

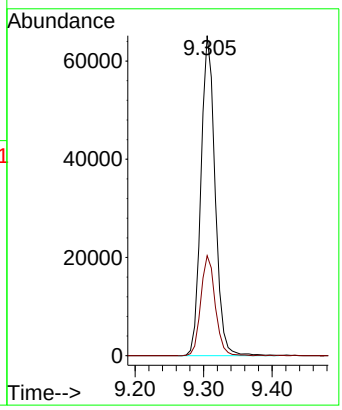
Tgt Ion: 76 Resp: 9360

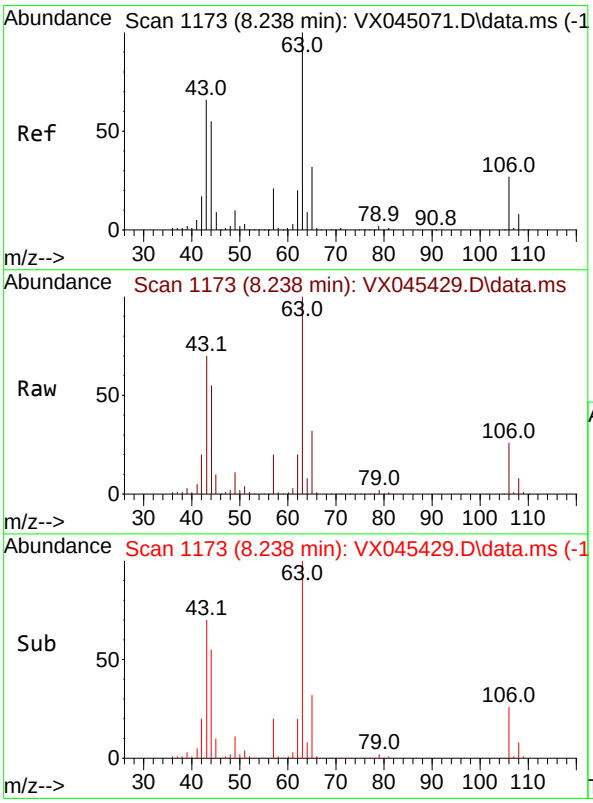
Ion	Ratio	Lower	Upper
76	100		
78	31.8	25.5	38.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Reviewed By :John Carlone 03/25/2025
Supervised By :Mahesh Dadoda 03/25/2025

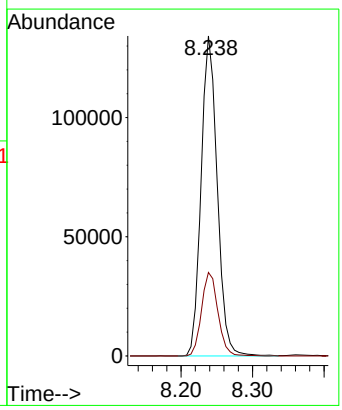


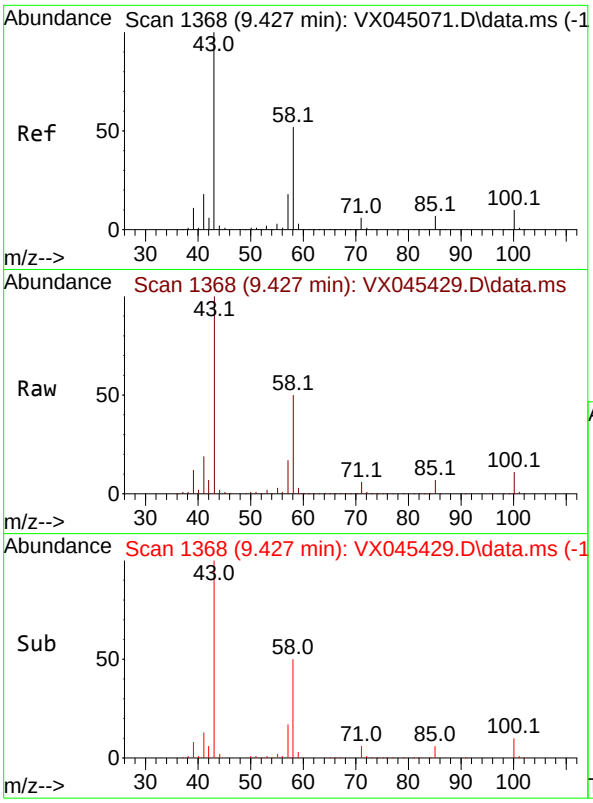


#58
2-Chloroethyl Vinyl ether
Concen: 287.528 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX045429.D
Acq: 24 Mar 2025 20:42

Tgt Ion: 63 Resp: 210140

Ion	Ratio	Lower	Upper
63	100		
106	26.5	21.5	32.3

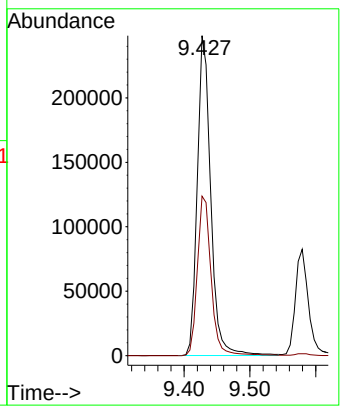




#59
2-Hexanone
Concen: 294.391 ug/l
RT: 9.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045429.D
Acq: 24 Mar 2025 20:42

Tgt Ion: 43 Resp: 35264

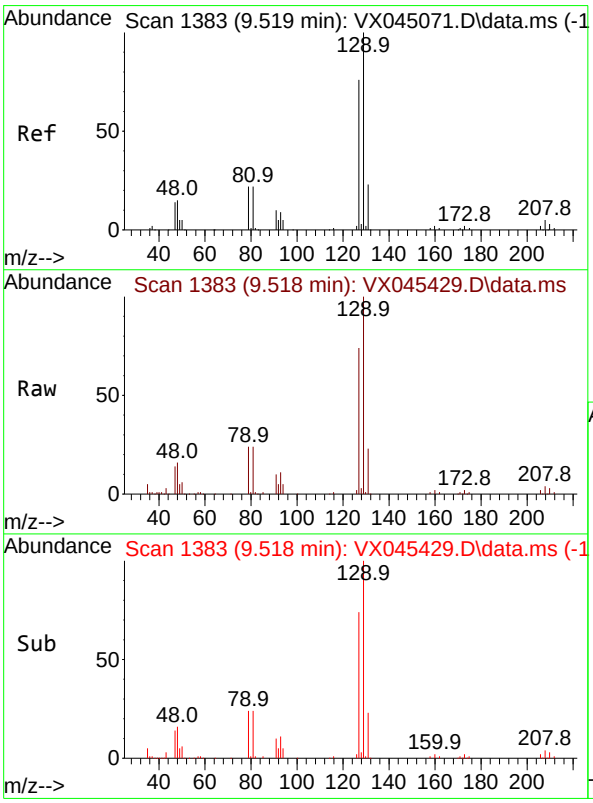
Ion	Ratio	Lower	Upper
43	100		
58	51.0	25.9	77.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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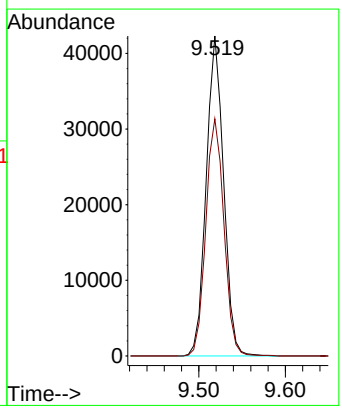
Reviewed By :John Carlone 03/25/2025
Supervised By :Mahesh Dadoda 03/25/2025

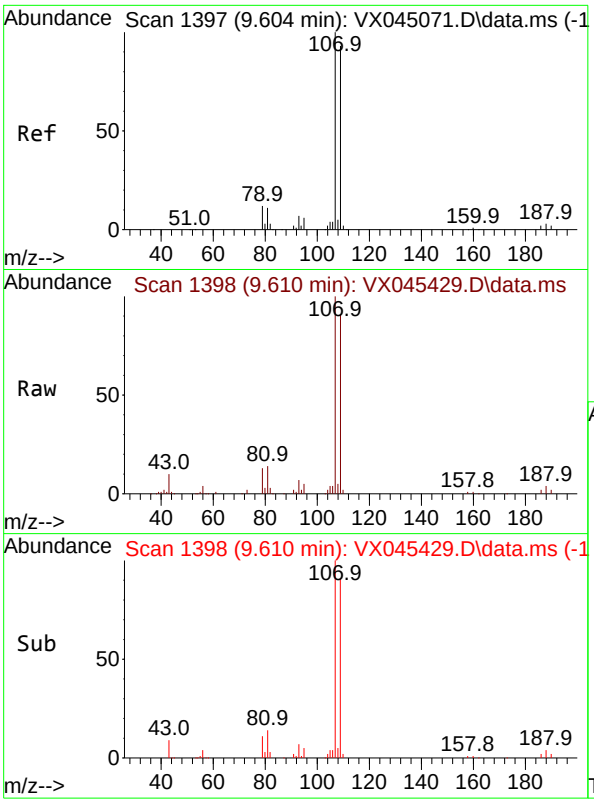


#60
Dibromochloromethane
Concen: 57.318 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX045429.D
Acq: 24 Mar 2025 20:42

Tgt Ion:129 Resp: 59070

Ion	Ratio	Lower	Upper
129	100		
127	77.1	38.5	115.5

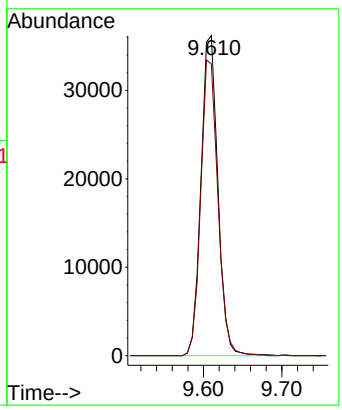




#61
1,2-Dibromoethane
Concen: 55.105 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045429.D
Acq: 24 Mar 2025 20:42

Tgt Ion:107 Resp: 5422

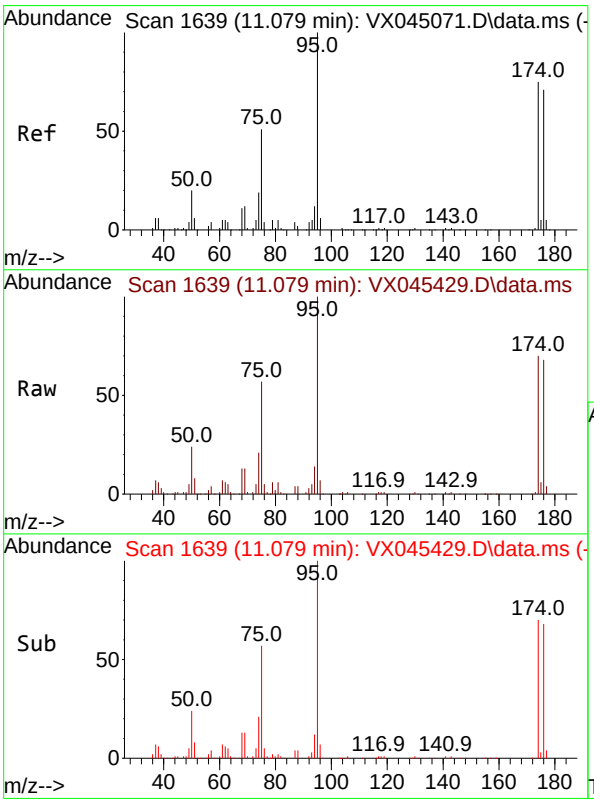
Ion	Ratio	Lower	Upper
107	100		
109	93.6	76.1	114.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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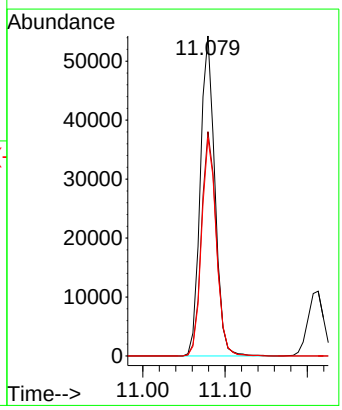
Reviewed By :John Carlone 03/25/2025
Supervised By :Mahesh Dadoda 03/25/2025

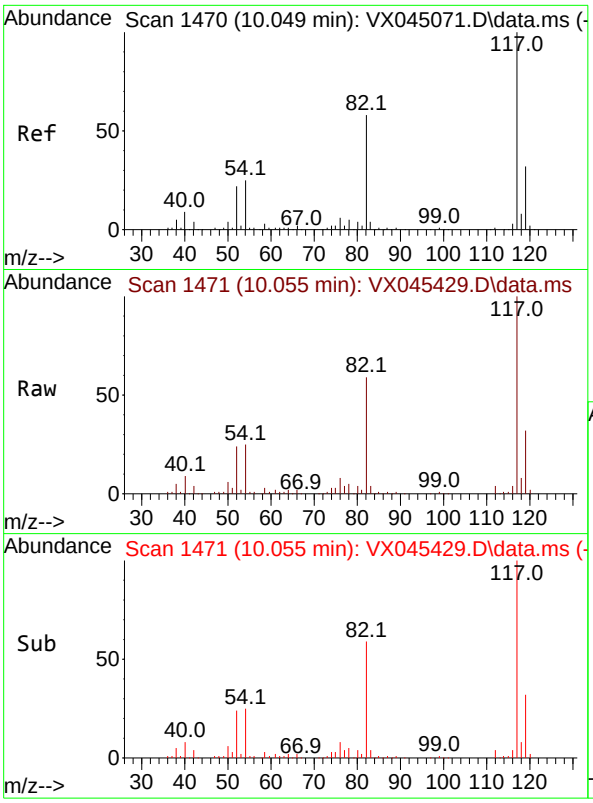


#62
4-Bromofluorobenzene
Concen: 59.145 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045429.D
Acq: 24 Mar 2025 20:42

Tgt Ion: 95 Resp: 66953

Ion	Ratio	Lower	Upper
95	100		
174	71.4	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: VX045429.D
Acq: 24 Mar 2025 20:42

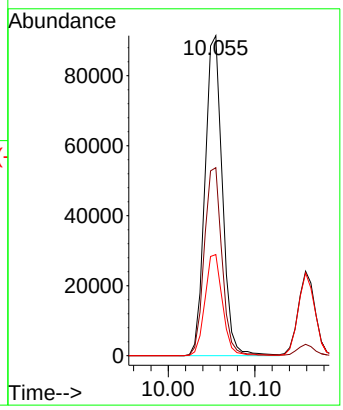
Tgt Ion:117 Resp: 12752

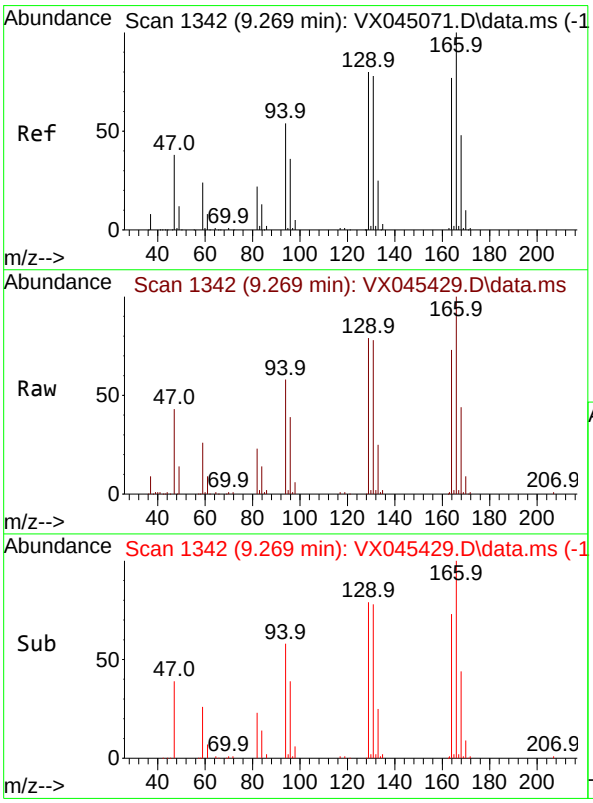
Ion	Ratio	Lower	Upper
117	100		
82	58.7	46.3	69.5
119	31.6	25.7	38.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Reviewed By :John Carlone 03/25/2025
Supervised By :Mahesh Dadoda 03/25/2025

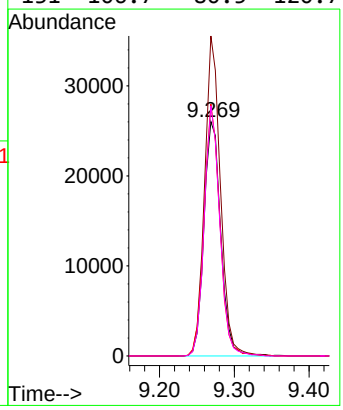


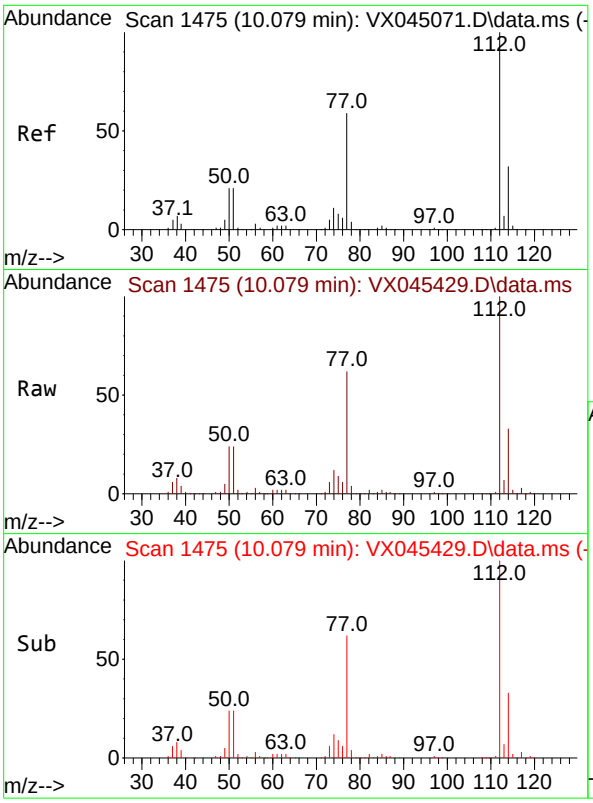


#64
Tetrachloroethene
Concen: 49.746 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX045429.D
Acq: 24 Mar 2025 20:42

Tgt Ion:164 Resp: 40631

Ion	Ratio	Lower	Upper
164	100		
166	136.5	103.6	155.4
129	107.5	82.7	124.1
131	106.7	80.5	120.7

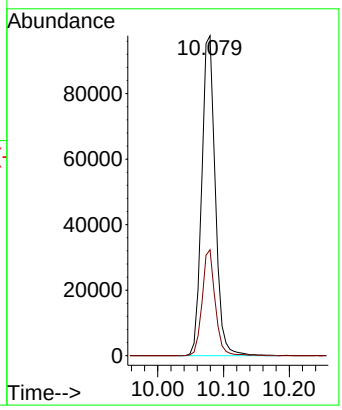




#65
Chlorobenzene
Concen: 51.873 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045429.D
Acq: 24 Mar 2025 20:42

Tgt Ion:112 Resp: 13997

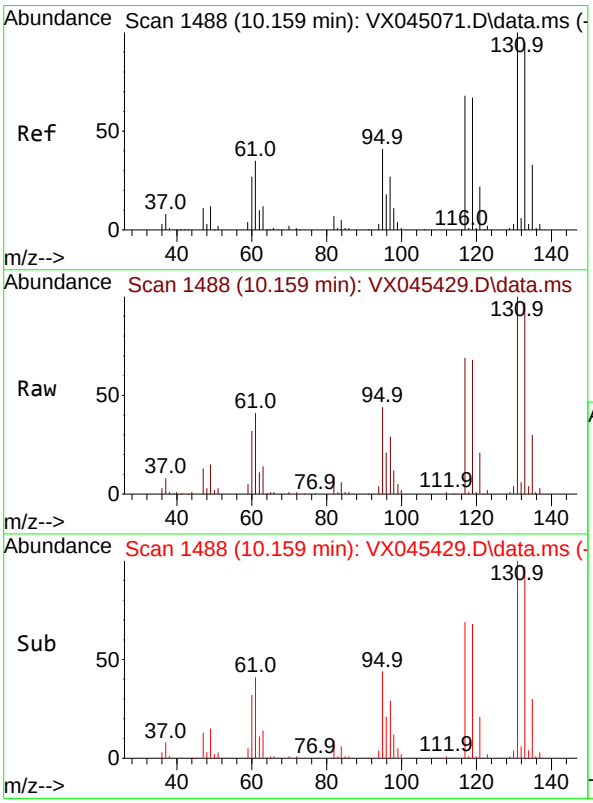
Ion	Ratio	Lower	Upper
112	100		
114	33.1	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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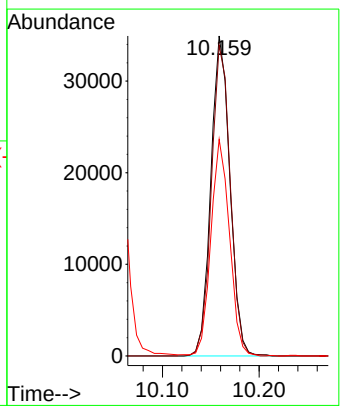
Reviewed By :John Carlone 03/25/2025
Supervised By :Mahesh Dadoda 03/25/2025

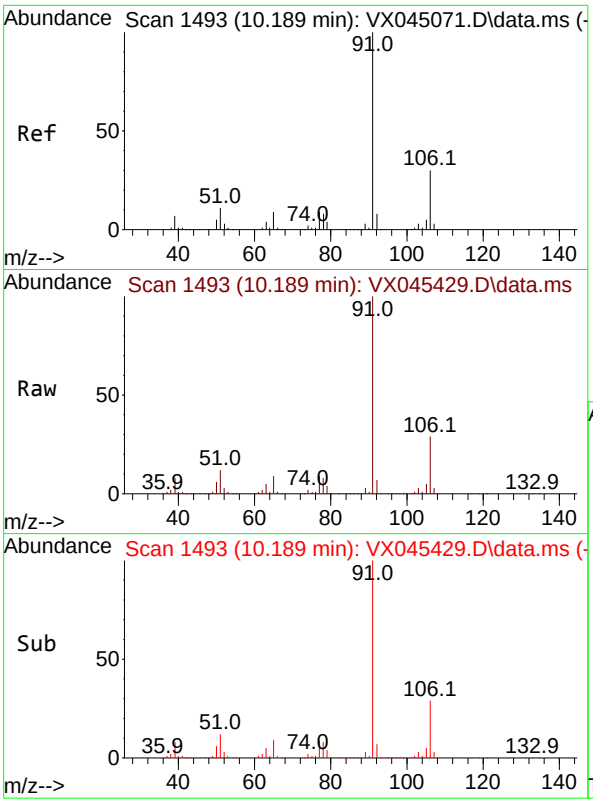


#66
1,1,1,2-Tetrachloroethane
Concen: 53.151 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX045429.D
Acq: 24 Mar 2025 20:42

Tgt Ion:131 Resp: 47764

Ion	Ratio	Lower	Upper
131	100		
133	96.5	48.6	145.9
119	66.3	33.9	101.7





#67
Ethyl Benzene
Concen: 53.238 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045429.D
Acq: 24 Mar 2025 20:42

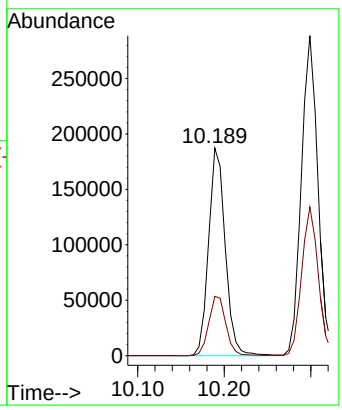
Tgt Ion: 91 Resp: 25032

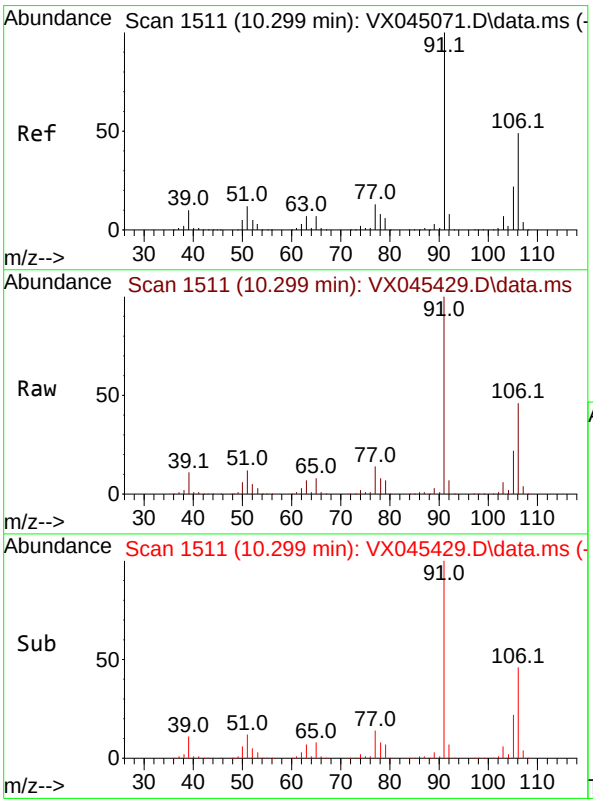
Ion	Ratio	Lower	Upper
91	100		
106	28.6	23.9	35.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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Reviewed By :John Carlone 03/25/2025
Supervised By :Mahesh Dadoda 03/25/2025

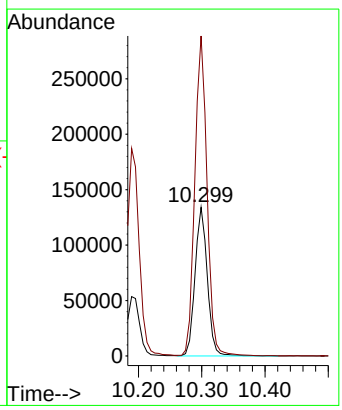


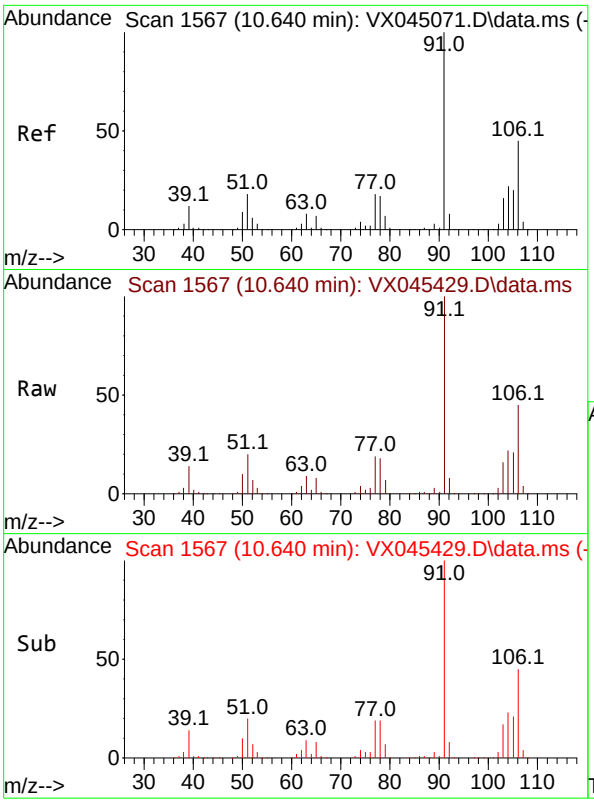


#68
m/p-Xylenes
Concen: 105.294 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX045429.D
Acq: 24 Mar 2025 20:42

Tgt Ion:106 Resp: 181238

Ion	Ratio	Lower	Upper
106	100		
91	213.8	165.4	248.0

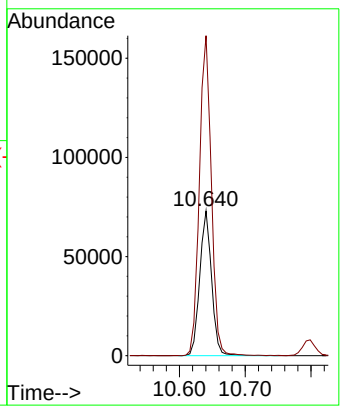




#69
o-Xylene
Concen: 52.437 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045429.D
Acq: 24 Mar 2025 20:42

Tgt Ion:106 Resp: 9103

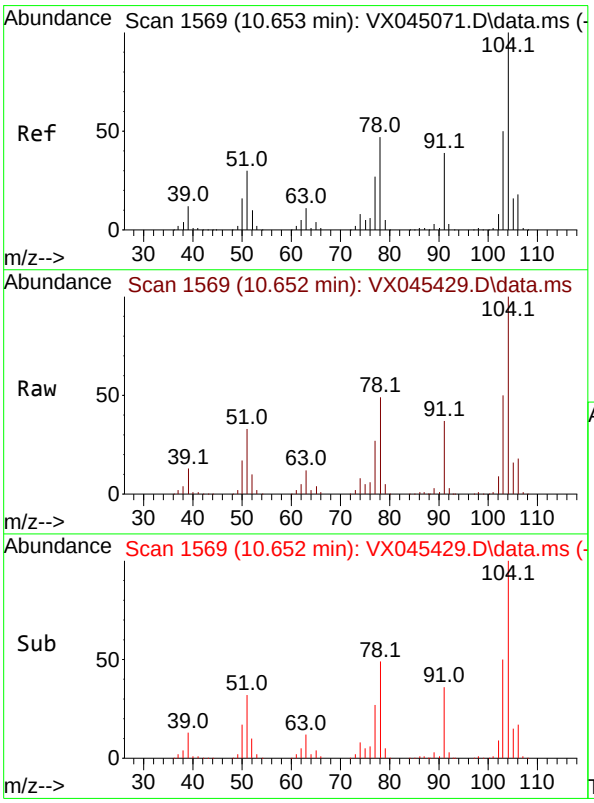
Ion	Ratio	Lower	Upper
106	100		
91	223.6	109.9	329.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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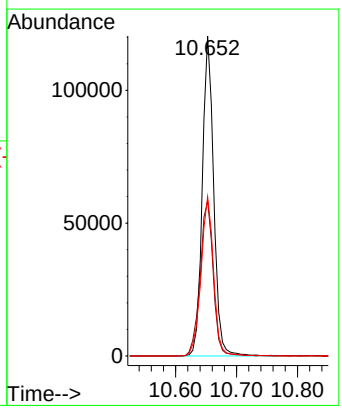
Reviewed By :John Carlone 03/25/2025
Supervised By :Mahesh Dadoda 03/25/2025

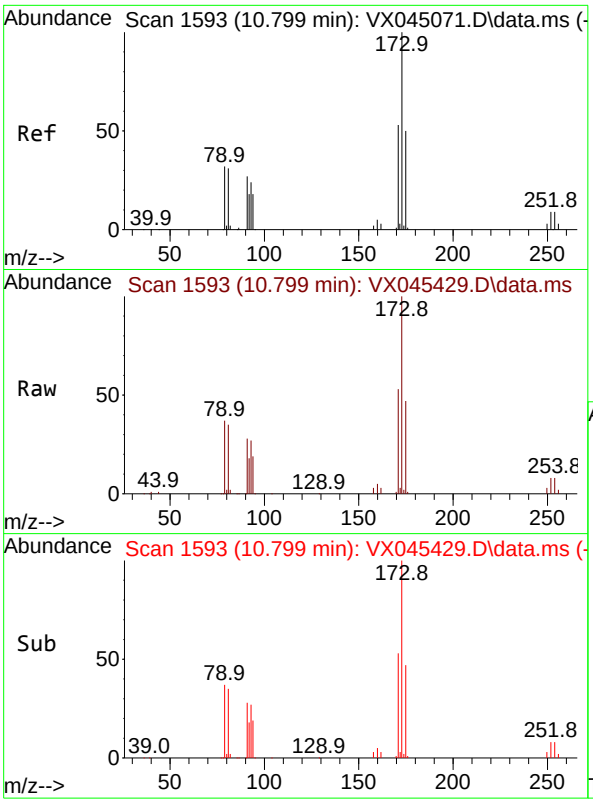


#70
Styrene
Concen: 56.029 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX045429.D
Acq: 24 Mar 2025 20:42

Tgt Ion:104 Resp: 157381

Ion	Ratio	Lower	Upper
104	100		
78	55.6	42.2	63.4
103	54.8	43.8	65.8

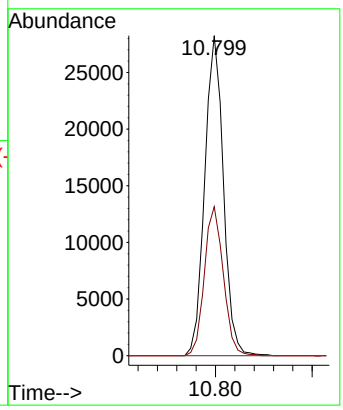




#71
Bromoform
Concen: 55.909 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045429.D
Acq: 24 Mar 2025 20:42

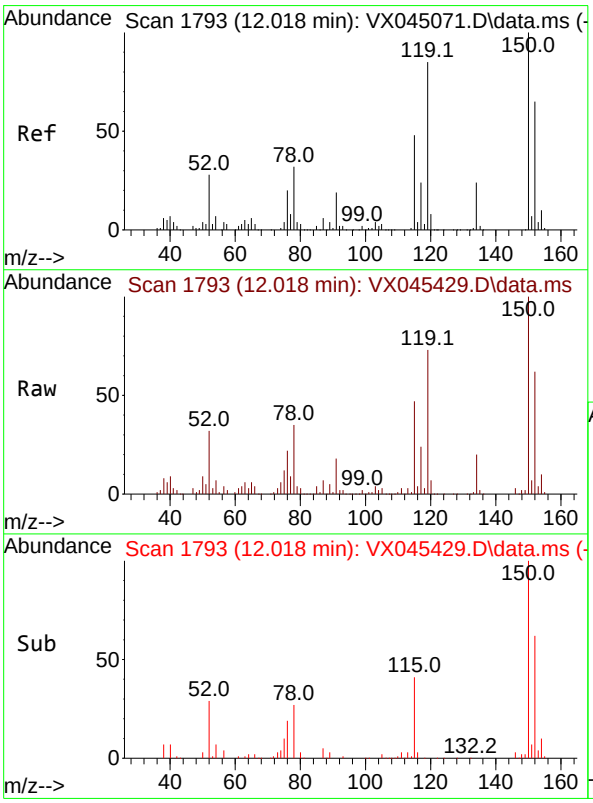
Tgt Ion:173 Resp: 3788

Ion	Ratio	Lower	Upper
173	100		
175	47.2	24.6	73.6
254	0.0	0.0	0.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

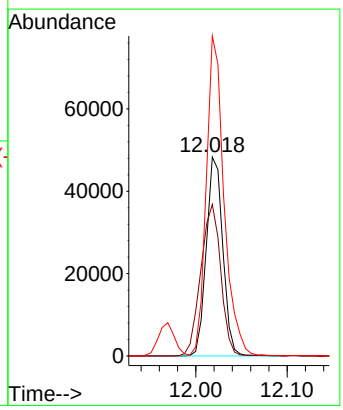
Manual Integrations APPROVED
Reviewed By :John Carlone 03/25/2025
Supervised By :Mahesh Dadoda 03/25/2025

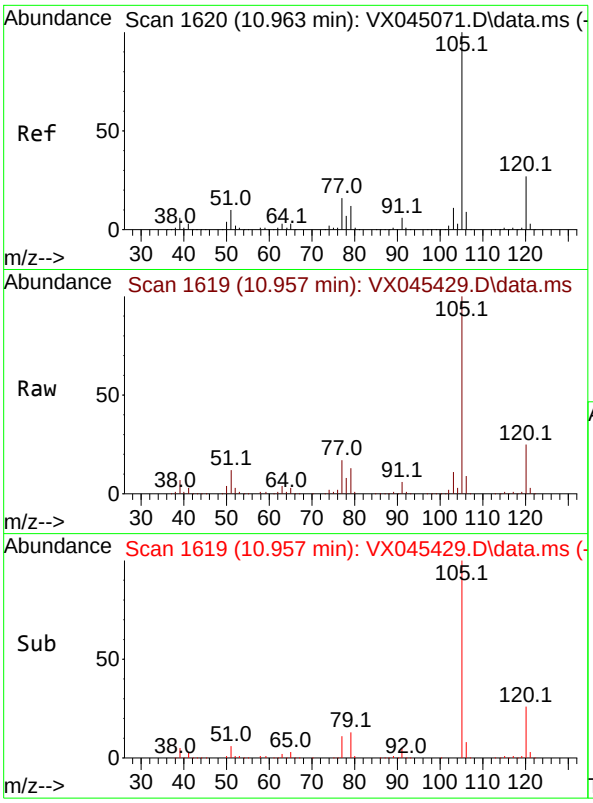


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045429.D
Acq: 24 Mar 2025 20:42

Tgt Ion:152 Resp: 60400

Ion	Ratio	Lower	Upper
152	100		
115	92.4	44.2	132.6
150	172.6	0.0	349.0





#73
Isopropylbenzene
Concen: 51.530 ug/l
RT: 10.957 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045429.D
Acq: 24 Mar 2025 20:42

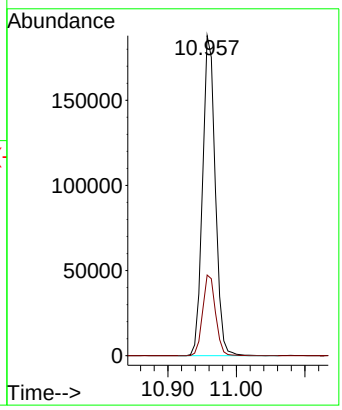
Tgt Ion:105 Resp: 24293

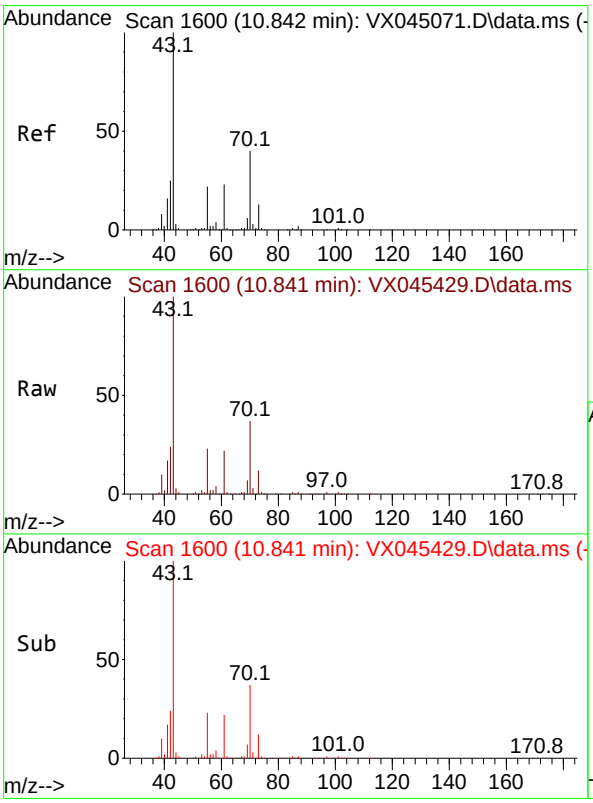
Ion	Ratio	Lower	Upper
105	100		
120	25.5	13.2	39.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :John Carlone 03/25/2025
Supervised By :Mahesh Dadoda 03/25/2025

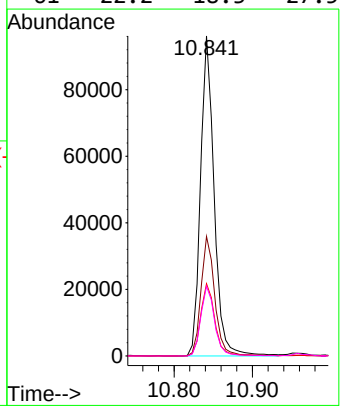


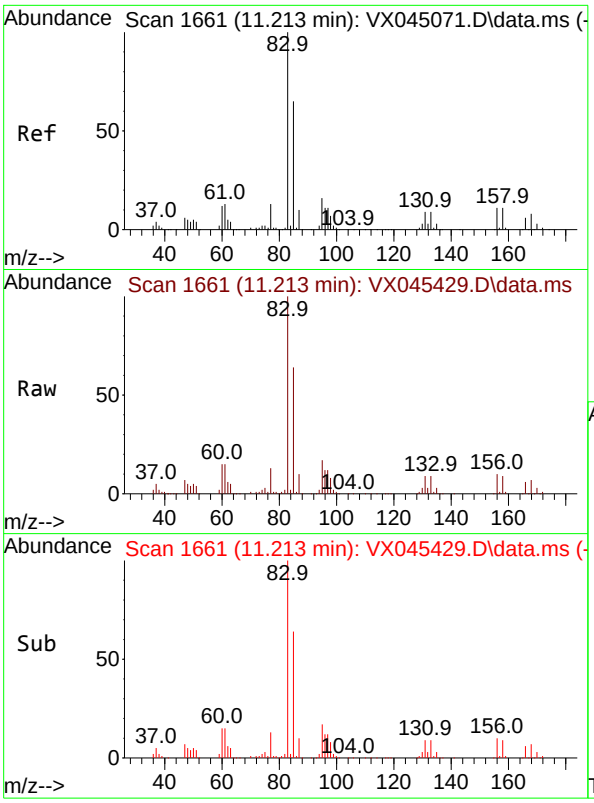


#74
N-amyl acetate
Concen: 52.577 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX045429.D
Acq: 24 Mar 2025 20:42

Tgt Ion: 43 Resp: 116309

Ion	Ratio	Lower	Upper
43	100		
70	38.0	31.8	47.6
55	23.6	18.3	27.5
61	22.2	18.3	27.5

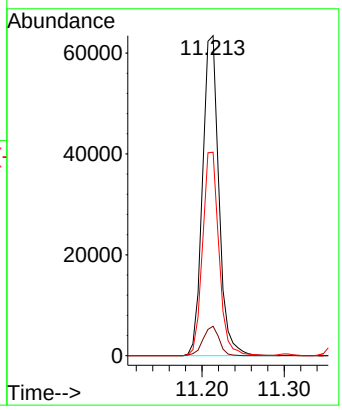




#75
1,1,2,2-Tetrachloroethane
Concen: 50.588 ug/l
RT: 11.213 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045429.D
Acq: 24 Mar 2025 20:42

Tgt Ion: 83 Resp: 8751

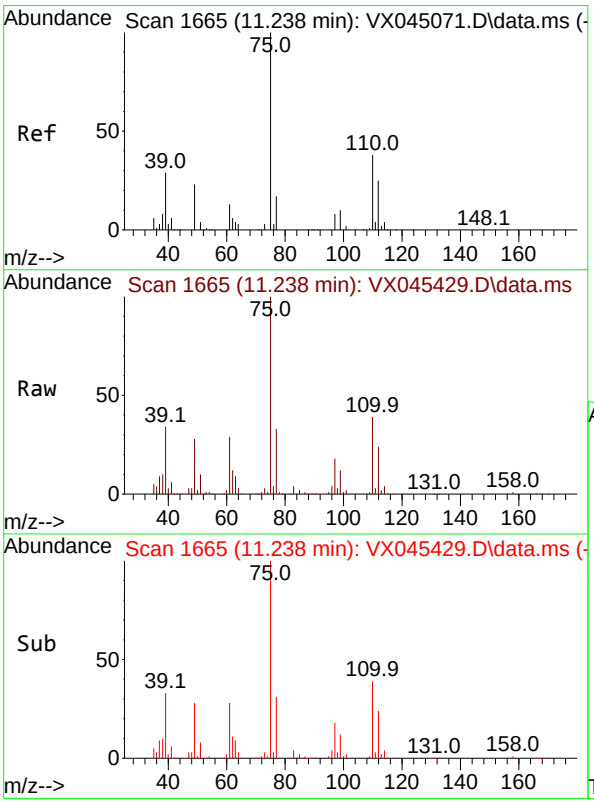
Ion	Ratio	Lower	Upper
83	100		
131	9.1	4.5	13.4
85	63.7	31.7	95.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

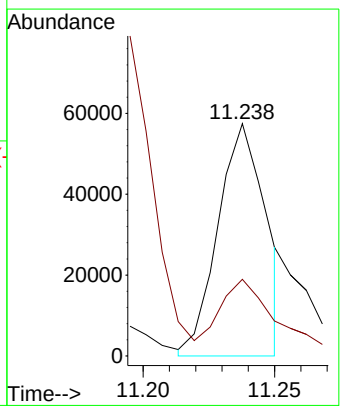
Reviewed By :John Carlone 03/25/2025
Supervised By :Mahesh Dadoda 03/25/2025

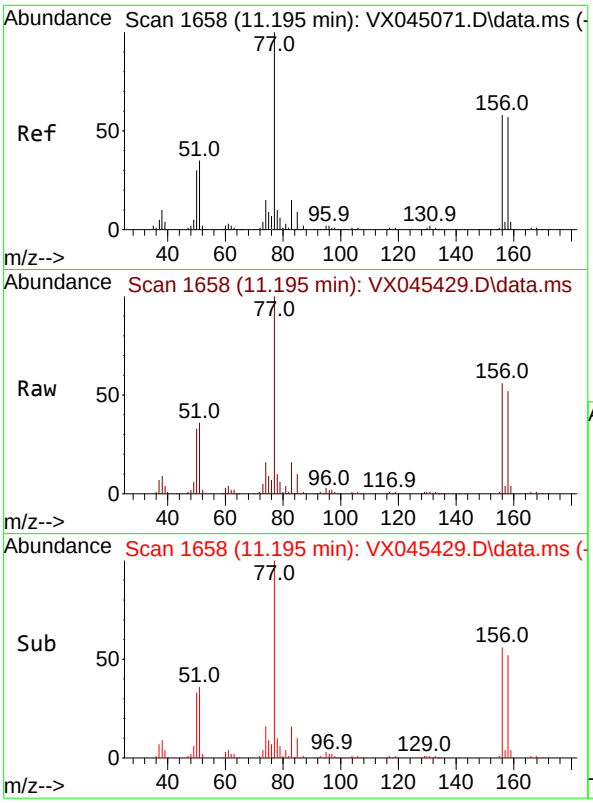


#76
1,2,3-Trichloropropane
Concen: 51.660 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX045429.D
Acq: 24 Mar 2025 20:42

Tgt Ion: 75 Resp: 72625

Ion	Ratio	Lower	Upper
75	100		
77	40.3	20.7	62.1

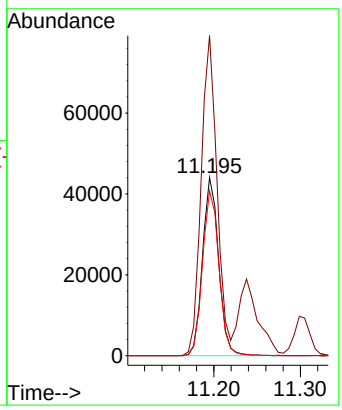




#77
Bromobenzene
Concen: 51.103 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045429.D
Acq: 24 Mar 2025 20:42

Tgt Ion:156 Resp: 5684

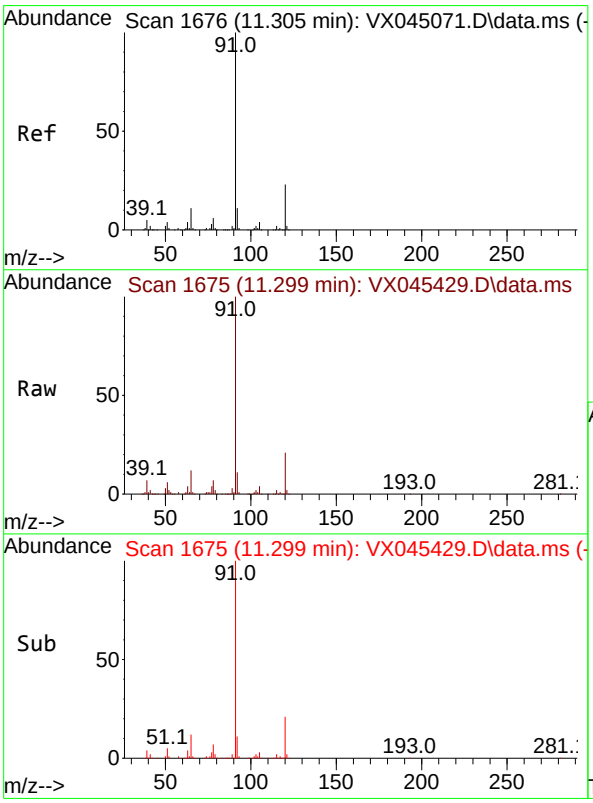
Ion	Ratio	Lower	Upper
156	100		
77	176.9	85.8	257.4
158	94.6	48.4	145.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

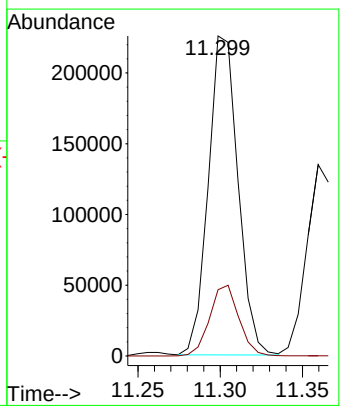
Reviewed By :John Carlone 03/25/2025
Supervised By :Mahesh Dadoda 03/25/2025

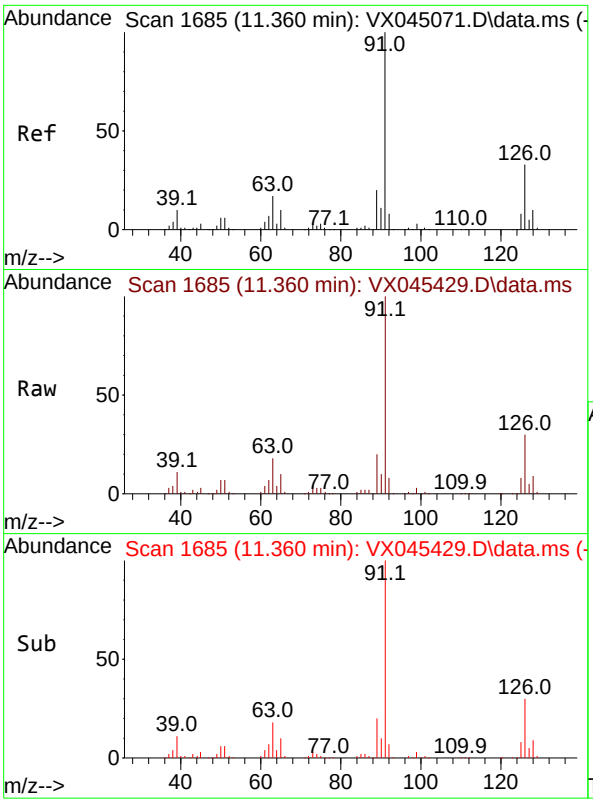


#78
n-propylbenzene
Concen: 53.271 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. -0.006 min
Lab File: VX045429.D
Acq: 24 Mar 2025 20:42

Tgt Ion: 91 Resp: 283698

Ion	Ratio	Lower	Upper
91	100		
120	21.8	11.2	33.6

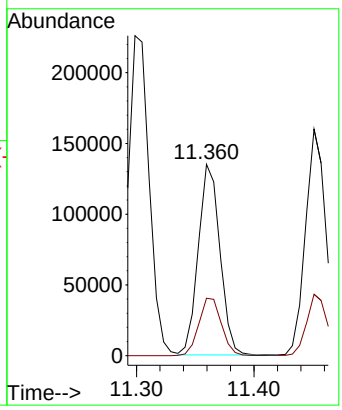




#79
2-Chlorotoluene
Concen: 50.957 ug/l
RT: 11.360 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045429.D
Acq: 24 Mar 2025 20:42

Tgt Ion: 91 Resp: 17282

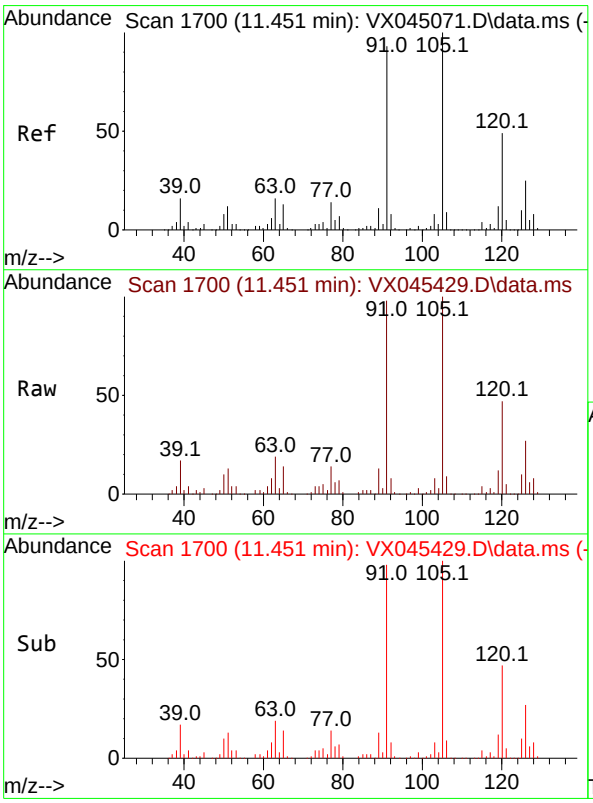
Ion	Ratio	Lower	Upper
91	100		
126	31.5	16.4	49.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

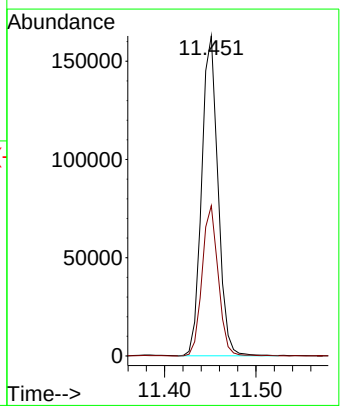
Reviewed By :John Carlone 03/25/2025
Supervised By :Mahesh Dadoda 03/25/2025

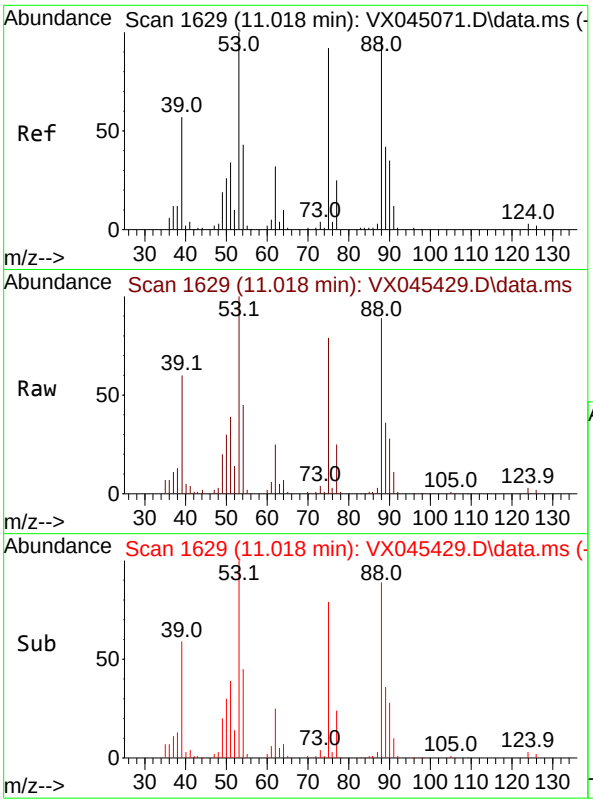


#80
1,3,5-Trimethylbenzene
Concen: 52.906 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045429.D
Acq: 24 Mar 2025 20:42

Tgt Ion:105 Resp: 201673

Ion	Ratio	Lower	Upper
105	100		
120	46.2	24.1	72.2





#81
trans-1,4-Dichloro-2-butene
Concen: 49.385 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045429.D
Acq: 24 Mar 2025 20:42

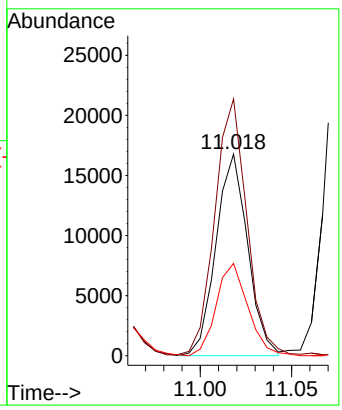
Tgt Ion: 75 Resp: 2028

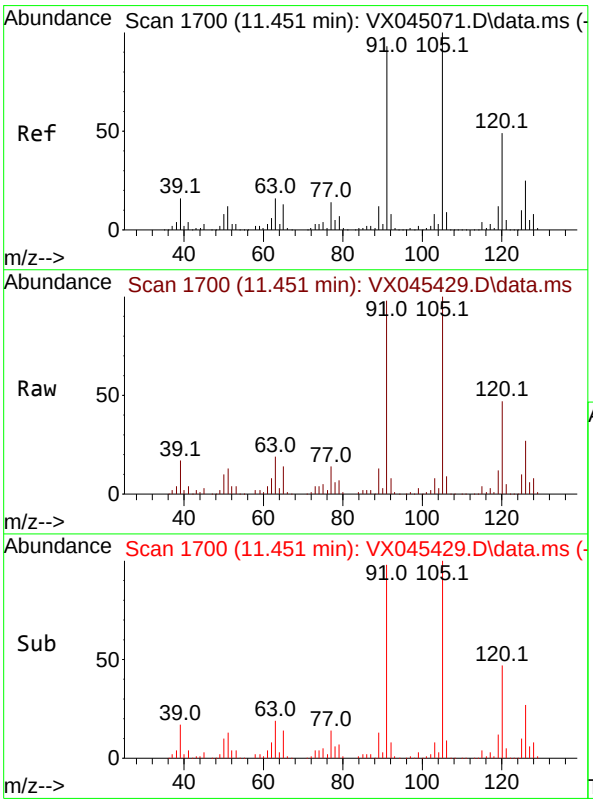
Ion	Ratio	Lower	Upper
75	100		
53	127.6	88.5	132.7
89	45.6	36.2	54.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/25/2025
Supervised By :Mahesh Dadoda 03/25/2025

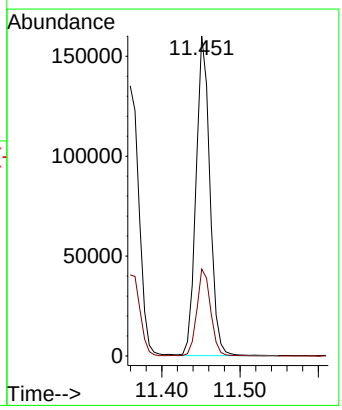


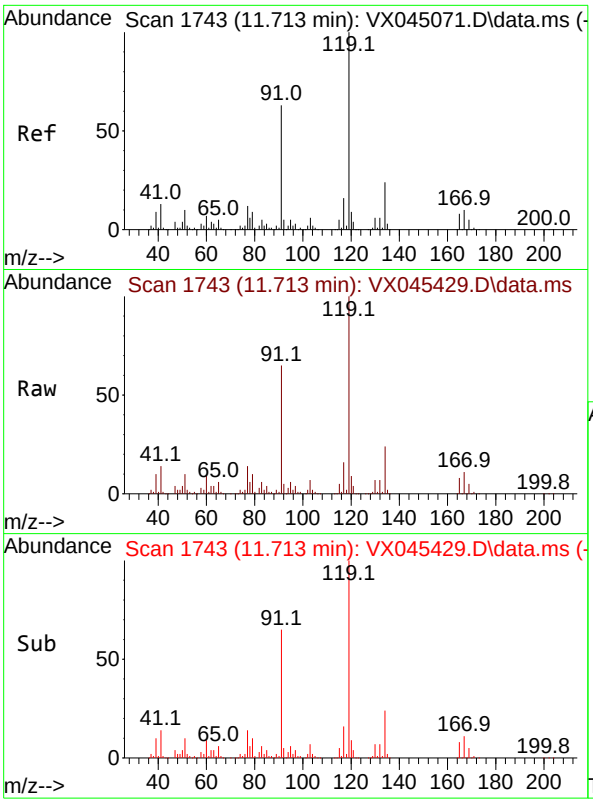


#82
4-Chlorotoluene
Concen: 53.166 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045429.D
Acq: 24 Mar 2025 20:42

Tgt Ion: 91 Resp: 196524

Ion	Ratio	Lower	Upper
91	100		
126	27.3	14.1	42.4

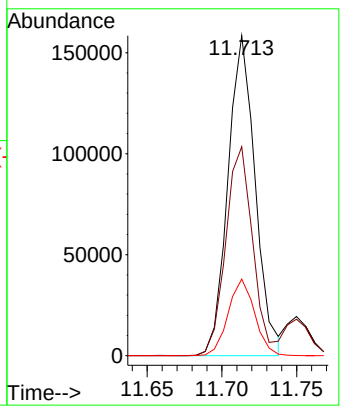




#83
tert-Butylbenzene
Concen: 51.356 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045429.D
Acq: 24 Mar 2025 20:42

Tgt Ion:119 Resp: 20114

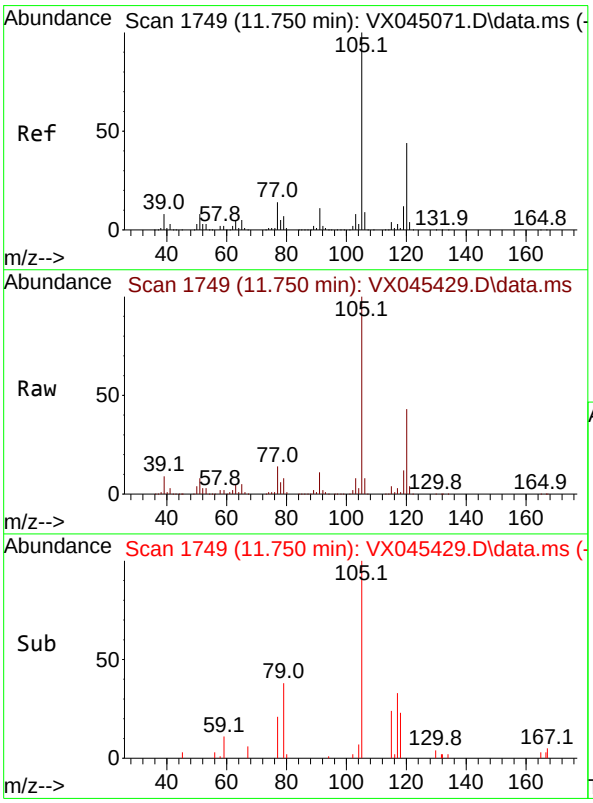
Ion	Ratio	Lower	Upper
119	100		
91	65.1	30.7	92.1
134	23.3	11.7	35.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

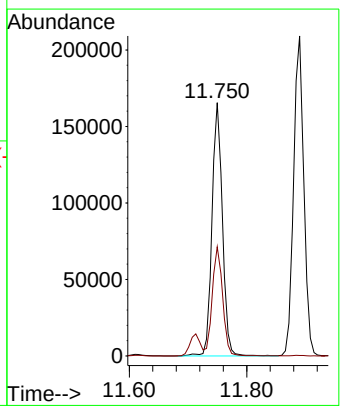
Reviewed By :John Carlone 03/25/2025
Supervised By :Mahesh Dadoda 03/25/2025

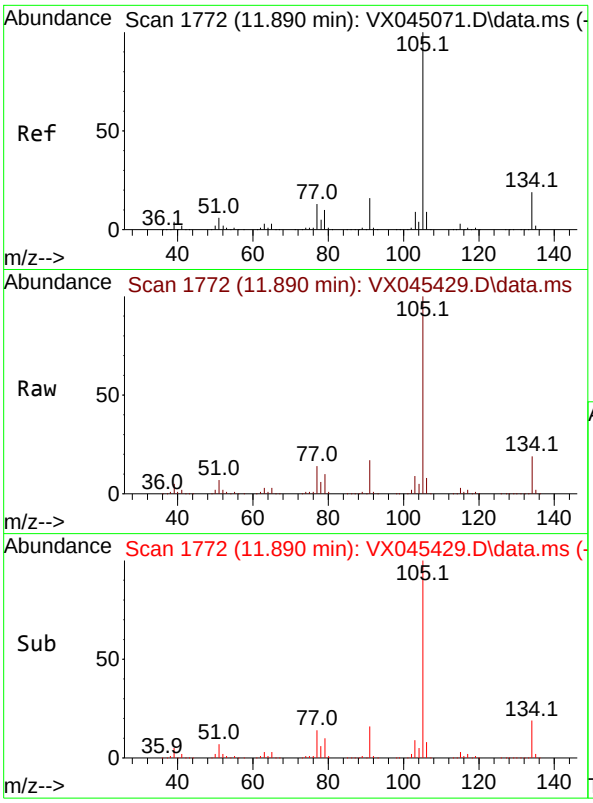


#84
1,2,4-Trimethylbenzene
Concen: 53.251 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX045429.D
Acq: 24 Mar 2025 20:42

Tgt Ion:105 Resp: 204246

Ion	Ratio	Lower	Upper
105	100		
120	42.7	22.1	66.1

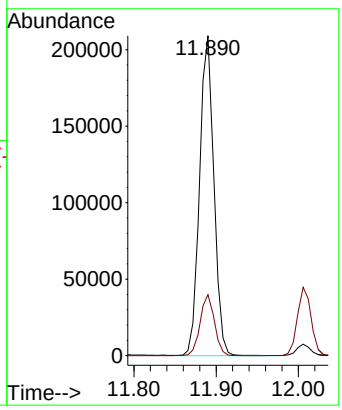




#85
sec-Butylbenzene
Concen: 54.043 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045429.D
Acq: 24 Mar 2025 20:42

Tgt Ion:105 Resp: 25355

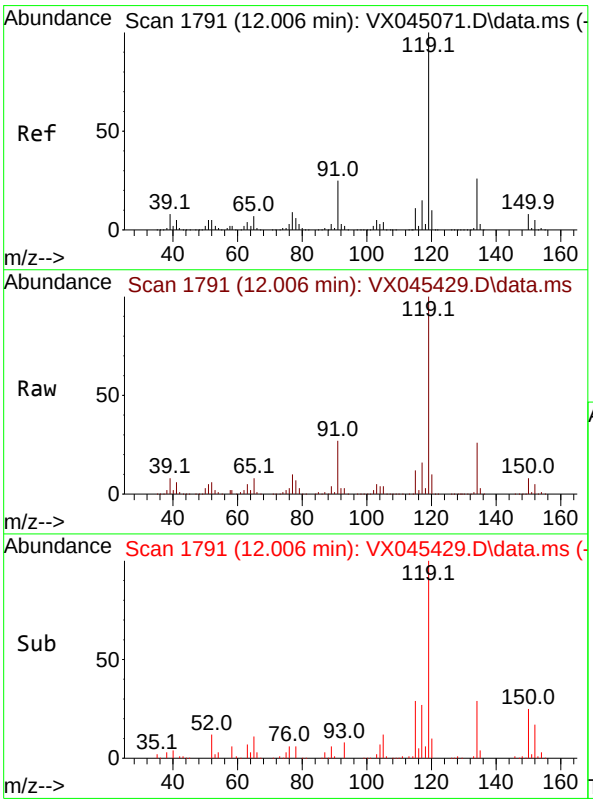
Ion	Ratio	Lower	Upper
105	100		
134	19.0	9.8	29.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

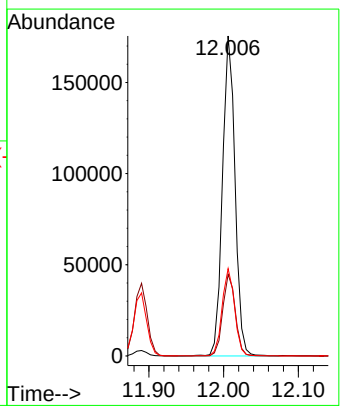
Reviewed By :John Carlone 03/25/2025
Supervised By :Mahesh Dadoda 03/25/2025

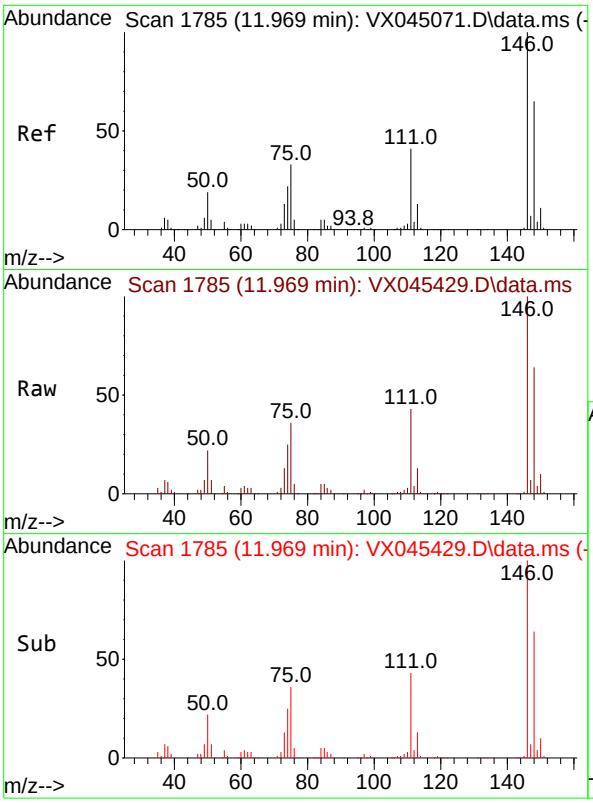


#86
p-Isopropyltoluene
Concen: 53.996 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX045429.D
Acq: 24 Mar 2025 20:42

Tgt Ion:119 Resp: 204726

Ion	Ratio	Lower	Upper
119	100		
134	25.5	12.9	38.6
91	27.2	12.7	38.0

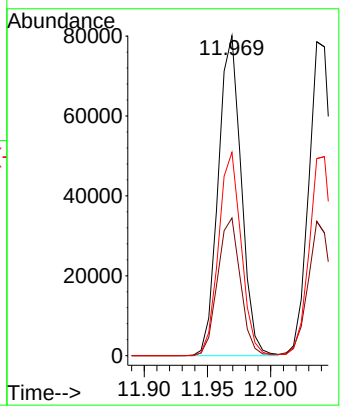




#87
1,3-Dichlorobenzene
Concen: 50.976 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045429.D
Acq: 24 Mar 2025 20:42

Tgt Ion:146 Resp: 10115

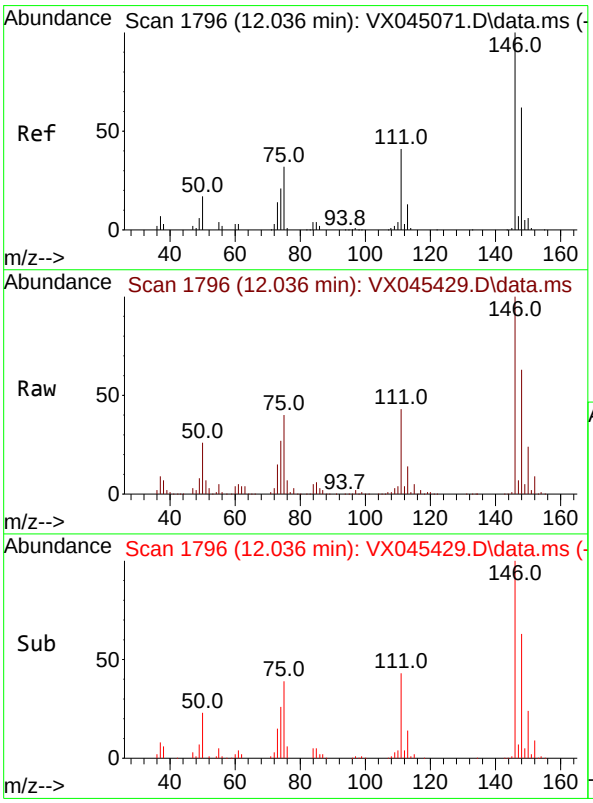
Ion	Ratio	Lower	Upper
146	100		
111	42.9	21.1	63.4
148	62.5	31.9	95.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

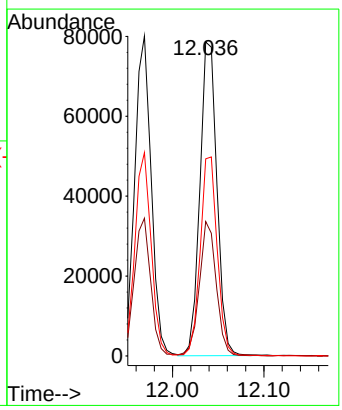
Reviewed By :John Carlone 03/25/2025
Supervised By :Mahesh Dadoda 03/25/2025

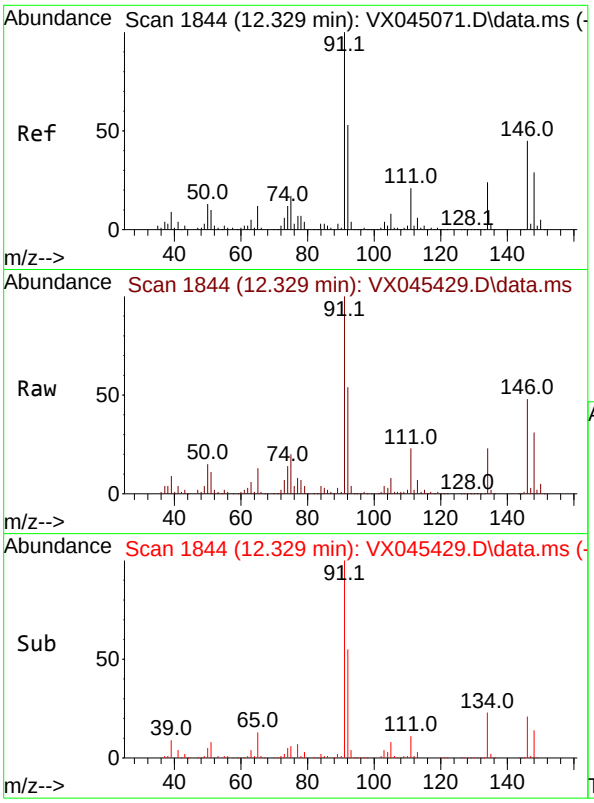


#88
1,4-Dichlorobenzene
Concen: 50.634 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. -0.000 min
Lab File: VX045429.D
Acq: 24 Mar 2025 20:42

Tgt Ion:146 Resp: 101650

Ion	Ratio	Lower	Upper
146	100		
111	42.3	20.2	60.5
148	63.5	31.9	95.9

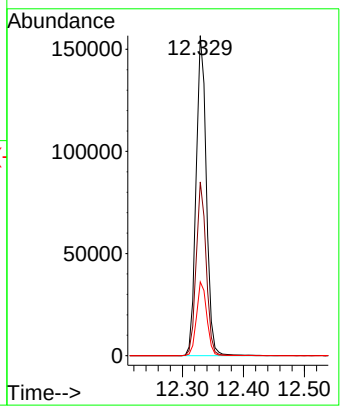




#89
n-Butylbenzene
Concen: 56.004 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045429.D
Acq: 24 Mar 2025 20:42

Tgt Ion: 91 Resp: 18288

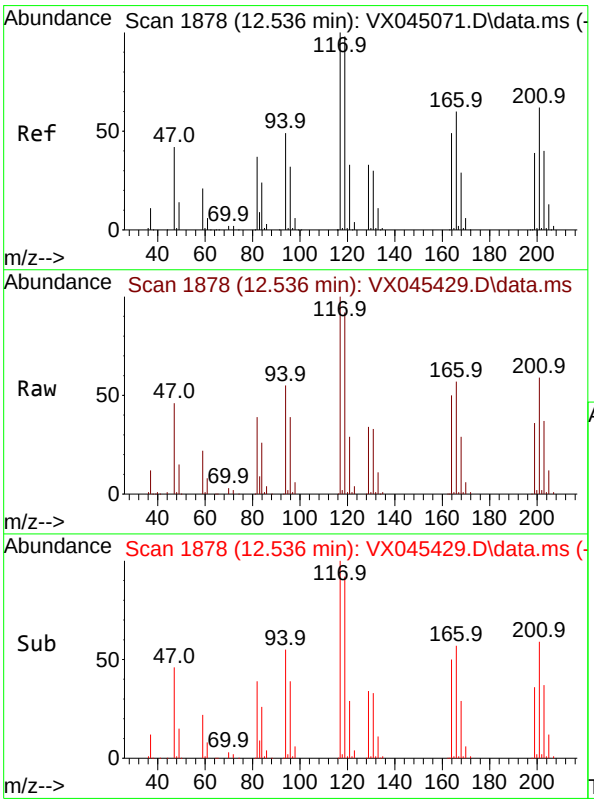
Ion	Ratio	Lower	Upper
91	100		
92	52.9	26.7	80.0
134	23.2	12.2	36.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

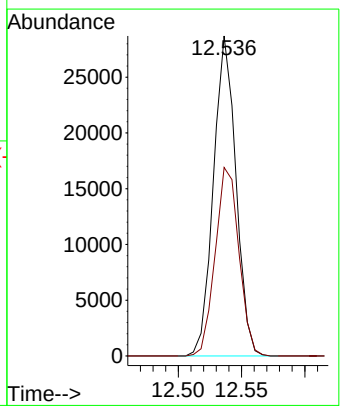
Reviewed By :John Carlone 03/25/2025
Supervised By :Mahesh Dadoda 03/25/2025

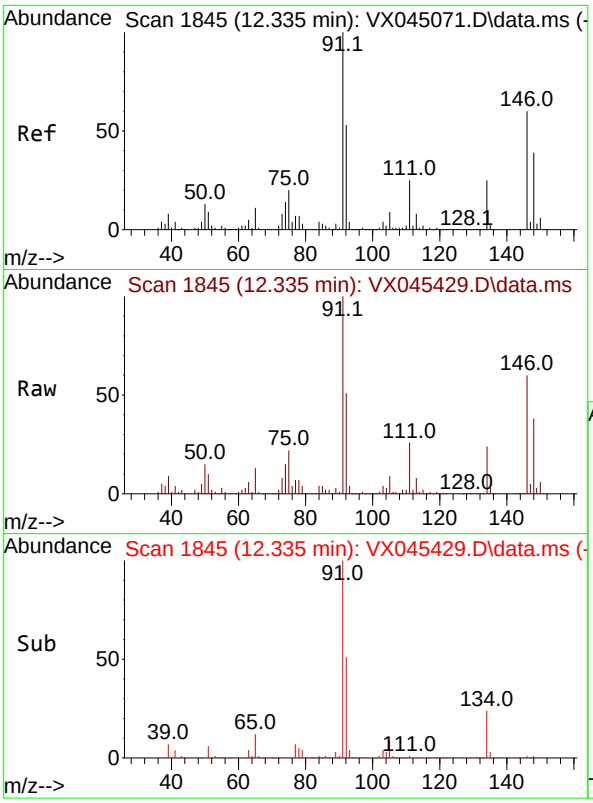


#90
Hexachloroethane
Concen: 51.608 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX045429.D
Acq: 24 Mar 2025 20:42

Tgt Ion:117 Resp: 35393

Ion	Ratio	Lower	Upper
117	100		
201	62.2	31.9	95.9

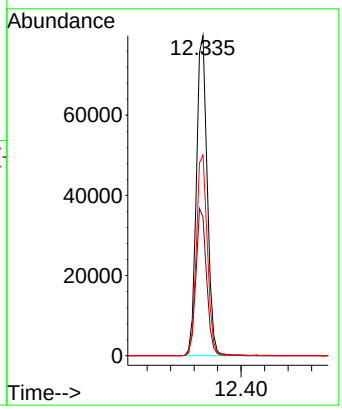




#91
1,2-Dichlorobenzene
Concen: 51.543 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045429.D
Acq: 24 Mar 2025 20:42

Tgt Ion:146 Resp: 10260

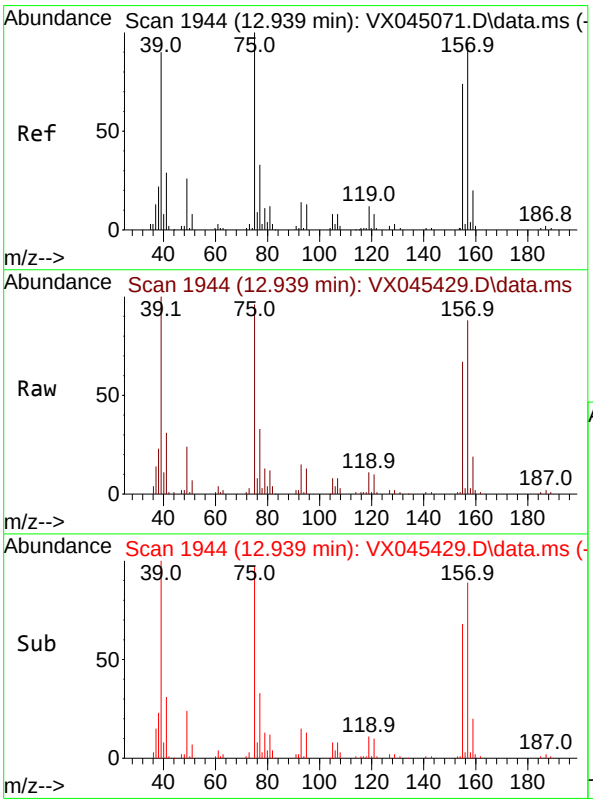
Ion	Ratio	Lower	Upper
146	100		
111	45.2	21.6	65.0
148	63.5	31.9	95.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

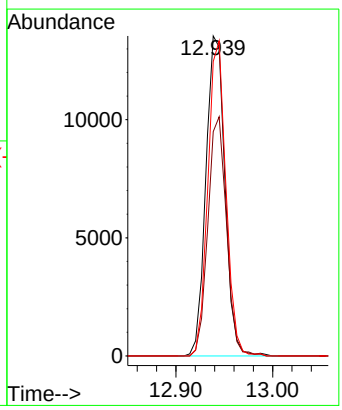
Reviewed By :John Carlone 03/25/2025
Supervised By :Mahesh Dadoda 03/25/2025

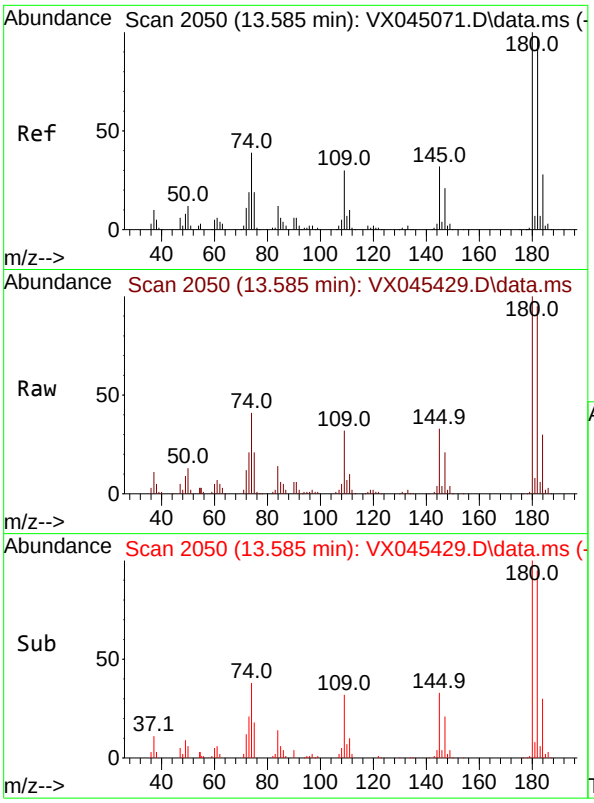


#92
1,2-Dibromo-3-Chloropropane
Concen: 55.190 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX045429.D
Acq: 24 Mar 2025 20:42

Tgt Ion: 75 Resp: 18601

Ion	Ratio	Lower	Upper
75	100		
155	72.7	39.6	118.7
157	92.9	51.1	153.4





#93
1,2,4-Trichlorobenzene
Concen: 52.069 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045429.D
Acq: 24 Mar 2025 20:42

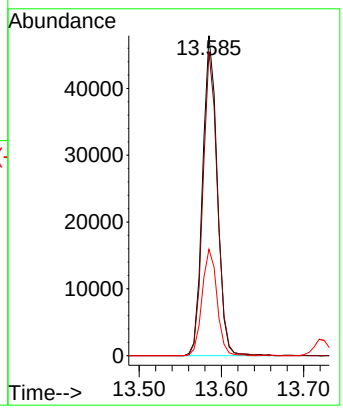
Tgt Ion:180 Resp: 5901

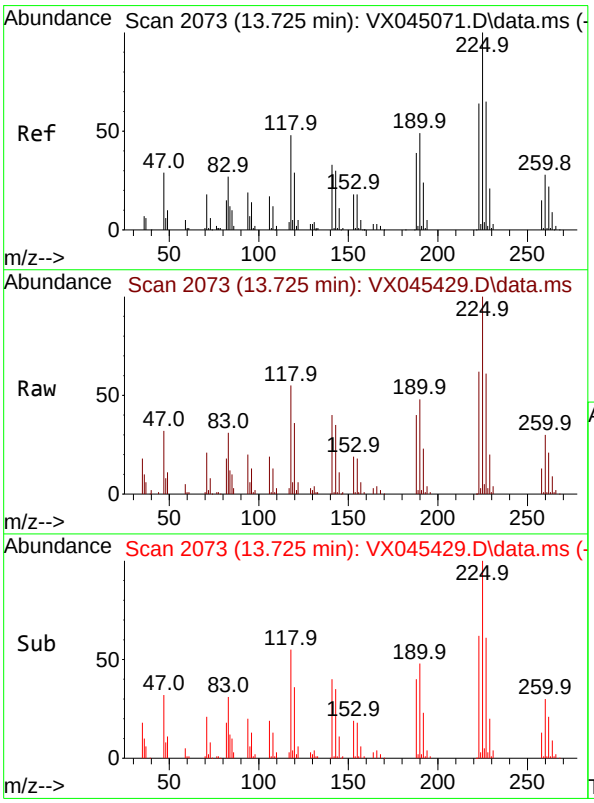
Ion	Ratio	Lower	Upper
180	100		
182	94.2	47.3	141.9
145	33.9	16.3	48.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/25/2025
Supervised By :Mahesh Dadoda 03/25/2025

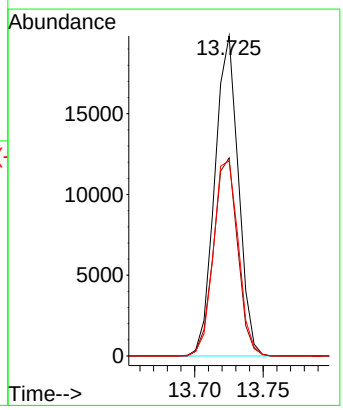


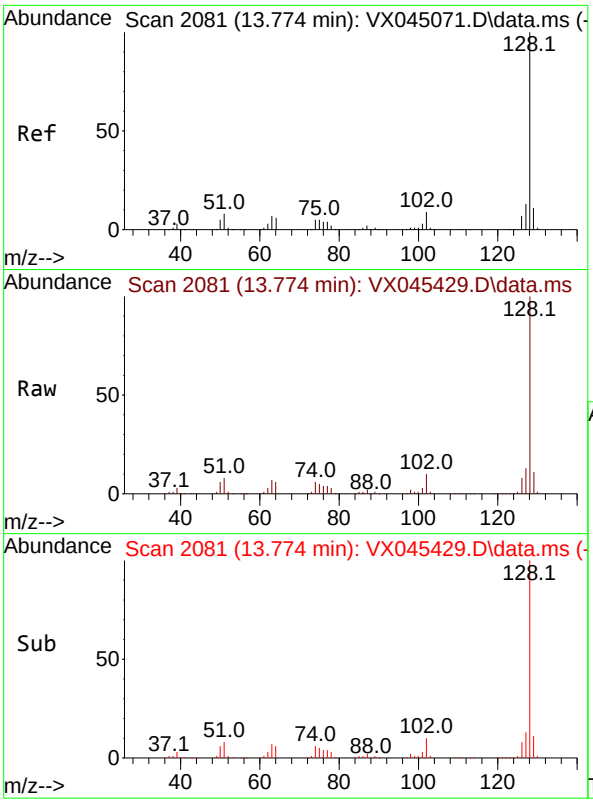


#94
Hexachlorobutadiene
Concen: 51.066 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX045429.D
Acq: 24 Mar 2025 20:42

Tgt Ion:225 Resp: 23730

Ion	Ratio	Lower	Upper
225	100		
223	63.2	31.9	95.7
227	64.4	31.4	94.0

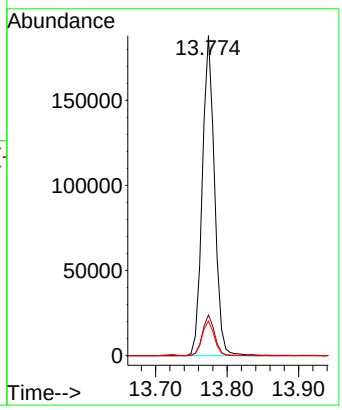




#95
Naphthalene
Concen: 51.277 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045429.D
Acq: 24 Mar 2025 20:42

Tgt Ion:128 Resp: 22329

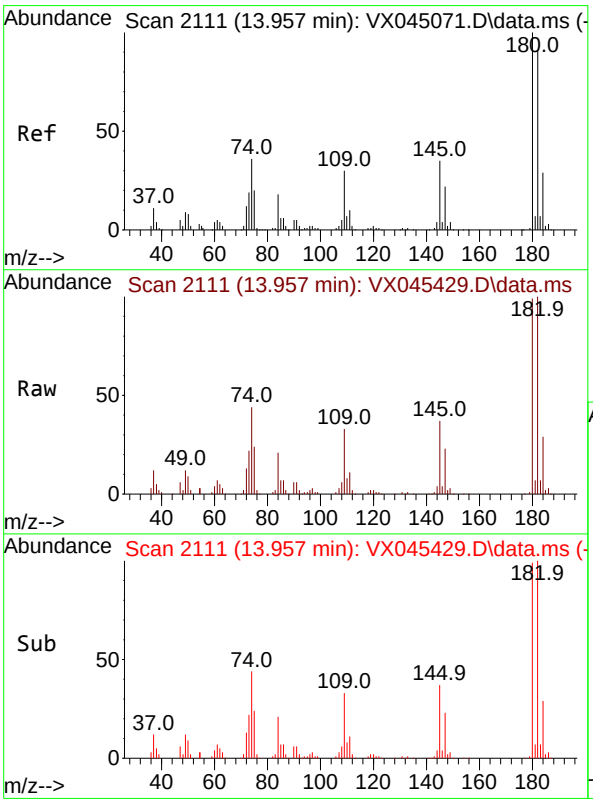
Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.3	15.5
129	10.9	8.7	13.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

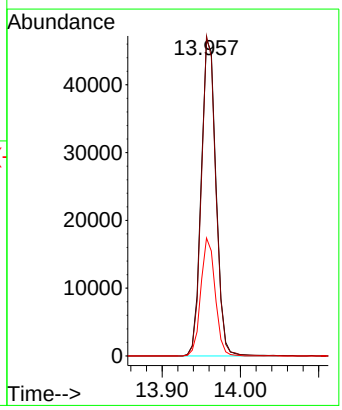
Reviewed By :John Carlone 03/25/2025
Supervised By :Mahesh Dadoda 03/25/2025



#96
1,2,3-Trichlorobenzene
Concen: 51.264 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.000 min
Lab File: VX045429.D
Acq: 24 Mar 2025 20:42

Tgt Ion:180 Resp: 61297

Ion	Ratio	Lower	Upper
180	100		
182	97.8	47.5	142.6
145	35.9	17.0	50.9



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032425\
Data File : VX045429.D
Acq On : 24 Mar 2025 20:42
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 25 01:41:26 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

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	77	0.00
2	T	Dichlorodifluoromethane	0.629	0.579	7.9	71	0.00
3	P	Chloromethane	0.770	0.684	11.2	70	0.00
4	C	Vinyl Chloride	0.764	0.638	16.5#	64	0.00
5	T	Bromomethane	0.300	0.289	3.7	76	0.00
6	T	Chloroethane	0.352	0.364	-3.4	75	0.00
7	T	Trichlorofluoromethane	1.011	0.978	3.3	72	0.00
8	T	Diethyl Ether	0.396	0.357	9.8	71	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.581	0.608	-4.6	79	0.00
10	T	Methyl Iodide	0.726	0.782	-7.7	78	0.00
11	T	Tert butyl alcohol	0.151	0.128	15.2	73	0.00
12	CM	1,1-Dichloroethene	0.614	0.594	3.3#	73	0.00
13	T	Acrolein	0.174	0.228	-31.0#	101	0.00
14	T	Allyl chloride	1.094	1.141	-4.3	79	0.00
15	T	Acrylonitrile	0.404	0.429	-6.2	81	0.00
16	T	Acetone	0.369	0.392	-6.2	86	0.00
17	T	Carbon Disulfide	1.636	1.158	29.2#	54	0.00
18	T	Methyl Acetate	0.888	1.242	-39.9#	110	0.00
19	T	Methyl tert-butyl Ether	2.061	2.176	-5.6	80	0.00
20	T	Methylene Chloride	0.731	0.723	1.1	80	0.00
21	T	trans-1,2-Dichloroethene	0.607	0.595	2.0	73	0.00
22	T	Diisopropyl ether	2.224	2.373	-6.7	80	0.00
23	T	Vinyl Acetate	1.856	1.931	-4.0	75	0.00
24	P	1,1-Dichloroethane	1.247	1.304	-4.6	81	0.00
25	T	2-Butanone	0.555	0.601	-8.3	80	0.00
26	T	2,2-Dichloropropane	0.585	0.755	-29.1#	97	0.00
27	T	cis-1,2-Dichloroethene	0.749	0.769	-2.7	78	0.00
28	T	Bromochloromethane	0.594	0.609	-2.5	78	0.00
29	T	Tetrahydrofuran	0.373	0.375	-0.5	77	0.00
30	C	Chloroform	1.239	1.354	-9.3#	84	0.00
31	T	Cyclohexane	1.082	1.013	6.4	70	0.00
32	T	1,1,1-Trichloroethane	1.000	1.091	-9.1	82	0.00
33	S	1,2-Dichloroethane-d4	0.795	0.917	-15.3	93	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	76	0.00
35	S	Dibromofluoromethane	0.334	0.375	-12.3	86	0.00
36	T	1,1-Dichloropropene	0.459	0.465	-1.3	75	0.00
37	T	Ethyl Acetate	0.591	0.596	-0.8	74	0.00
38	T	Carbon Tetrachloride	0.465	0.506	-8.8	82	0.00
39	T	Methylcyclohexane	0.549	0.532	3.1	69	0.00
40	TM	Benzene	1.448	1.482	-2.3	75	0.00
41	T	Methacrylonitrile	0.319	0.375	-17.6	83	0.00
42	TM	1,2-Dichloroethane	0.521	0.618	-18.6	89	0.00
43	T	Isopropyl Acetate	0.874	0.956	-9.4	78	0.00
44	TM	Trichloroethene	0.340	0.346	-1.8	77	0.00
45	C	1,2-Dichloropropane	0.372	0.394	-5.9#	80	0.00
46	T	Dibromomethane	0.263	0.293	-11.4	82	0.00
47	T	Bromodichloromethane	0.516	0.580	-12.4	84	0.00
48	T	Methyl methacrylate	0.438	0.504	-15.1	82	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032425\
Data File : VX045429.D
Acq On : 24 Mar 2025 20:42
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 25 01:41:26 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

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	76	0.00
50	S	Toluene-d8	1.212	1.277	-5.4	80	0.00
51	T	4-Methyl-2-Pentanone	0.587	0.688	-17.2	85	0.00
52	CM	Toluene	0.849	0.905	-6.6#	76	0.00
53	T	t-1,3-Dichloropropene	0.431	0.490	-13.7	79	0.00
54	T	cis-1,3-Dichloropropene	0.503	0.555	-10.3	78	0.00
55	T	1,1,2-Trichloroethane	0.350	0.385	-10.0	82	0.00
56	T	Ethyl methacrylate	0.532	0.620	-16.5	82	0.00
57	T	1,3-Dichloropropane	0.605	0.664	-9.8	81	0.00
58	T	2-Chloroethyl Vinyl ether	0.259	0.298	-15.1	79	0.00
59	T	2-Hexanone	0.425	0.500	-17.6	85	0.00
60	T	Dibromochloromethane	0.366	0.419	-14.5	83	0.00
61	T	1,2-Dibromoethane	0.349	0.385	-10.3	82	0.00
62	S	4-Bromofluorobenzene	0.402	0.475	-18.2	89	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	79	0.00
64	T	Tetrachloroethene	0.320	0.319	0.3	77	0.00
65	PM	Chlorobenzene	1.058	1.098	-3.8	79	0.00
66	T	1,1,1,2-Tetrachloroethane	0.352	0.375	-6.5	83	0.00
67	C	Ethyl Benzene	1.843	1.963	-6.5#	79	0.00
68	T	m/p-Xylenes	0.675	0.711	-5.3	77	0.00
69	T	o-Xylene	0.681	0.714	-4.8	80	0.00
70	T	Styrene	1.101	1.234	-12.1	82	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	85	0.00
73	T	Isopropylbenzene	3.903	4.022	-3.0	82	0.00
74	T	N-amyl acetate	1.831	1.926	-5.2	83	0.00
75	P	1,1,2,2-Tetrachloroethane	1.432	1.449	-1.2	87	0.00
76	T	1,2,3-Trichloropropane	1.164	1.202	-3.3	89	0.00
77	T	Bromobenzene	0.921	0.941	-2.2	85	0.00
78	T	n-propylbenzene	4.409	4.697	-6.5	83	0.00
79	T	2-Chlorotoluene	2.808	2.861	-1.9	85	0.00
80	T	1,3,5-Trimethylbenzene	3.156	3.339	-5.8	84	0.00
81	T	trans-1,4-Dichloro-2-butene	0.340	0.336	1.2	84	0.00
82	T	4-Chlorotoluene	3.060	3.254	-6.3	85	0.00
83	T	tert-Butylbenzene	3.242	3.330	-2.7	84	0.00
84	T	1,2,4-Trimethylbenzene	3.175	3.382	-6.5	85	0.00
85	T	sec-Butylbenzene	3.884	4.198	-8.1	84	0.00
86	T	p-Isopropyltoluene	3.139	3.390	-8.0	84	0.00
87	T	1,3-Dichlorobenzene	1.643	1.675	-1.9	85	0.00
88	T	1,4-Dichlorobenzene	1.662	1.683	-1.3	85	0.00
89	T	n-Butylbenzene	2.703	3.028	-12.0	85	0.00
90	T	Hexachloroethane	0.568	0.586	-3.2	82	0.00
91	T	1,2-Dichlorobenzene	1.648	1.699	-3.1	86	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.279	0.308	-10.4	90	0.00
93	T	1,2,4-Trichlorobenzene	0.938	0.977	-4.2	82	0.00
94	T	Hexachlorobutadiene	0.385	0.393	-2.1	85	0.00
95	T	Naphthalene	3.605	3.697	-2.6	80	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032425\
Data File : VX045429.D
Acq On : 24 Mar 2025 20:42
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 25 01:41:26 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

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	1.015	-2.5	81	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032425\
Data File : VX045429.D
Acq On : 24 Mar 2025 20:42
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 25 01:41:26 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

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	77	0.00
2	T	Dichlorodifluoromethane	50.000	46.034	7.9	71	0.00
3	P	Chloromethane	50.000	44.431	11.1	70	0.00
4	C	Vinyl Chloride	50.000	41.720	16.6#	64	0.00
5	T	Bromomethane	50.000	48.139	3.7	76	0.00
6	T	Chloroethane	50.000	51.635	-3.3	75	0.00
7	T	Trichlorofluoromethane	50.000	48.330	3.3	72	0.00
8	T	Diethyl Ether	50.000	45.113	9.8	71	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	52.284	-4.6	79	0.00
10	T	Methyl Iodide	50.000	53.868	-7.7	78	0.00
11	T	Tert butyl alcohol	250.000	211.839	15.3	73	0.00
12	CM	1,1-Dichloroethene	50.000	48.367	3.3#	73	0.00
13	T	Acrolein	250.000	327.822	-31.1#	101	0.00
14	T	Allyl chloride	50.000	52.145	-4.3	79	0.00
15	T	Acrylonitrile	250.000	265.679	-6.3	81	0.00
16	T	Acetone	250.000	265.410	-6.2	86	0.00
17	T	Carbon Disulfide	50.000	35.381	29.2#	54	0.00
18	T	Methyl Acetate	50.000	69.942	-39.9#	110	0.00
19	T	Methyl tert-butyl Ether	50.000	52.780	-5.6	80	0.00
20	T	Methylene Chloride	50.000	49.467	1.1	80	0.00
21	T	trans-1,2-Dichloroethene	50.000	49.020	2.0	73	0.00
22	T	Diisopropyl ether	50.000	53.354	-6.7	80	0.00
23	T	Vinyl Acetate	250.000	260.018	-4.0	75	0.00
24	P	1,1-Dichloroethane	50.000	52.316	-4.6	81	0.00
25	T	2-Butanone	250.000	270.441	-8.2	80	0.00
26	T	2,2-Dichloropropane	50.000	64.528	-29.1#	97	0.00
27	T	cis-1,2-Dichloroethene	50.000	51.328	-2.7	78	0.00
28	T	Bromochloromethane	50.000	51.274	-2.5	78	0.00
29	T	Tetrahydrofuran	250.000	251.430	-0.6	77	0.00
30	C	Chloroform	50.000	54.666	-9.3#	84	0.00
31	T	Cyclohexane	50.000	46.799	6.4	70	0.00
32	T	1,1,1-Trichloroethane	50.000	54.542	-9.1	82	0.00
33	S	1,2-Dichloroethane-d4	50.000	57.633	-15.3	93	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	76	0.00
35	S	Dibromofluoromethane	50.000	56.036	-12.1	86	0.00
36	T	1,1-Dichloropropene	50.000	50.739	-1.5	75	0.00
37	T	Ethyl Acetate	50.000	50.417	-0.8	74	0.00
38	T	Carbon Tetrachloride	50.000	54.307	-8.6	82	0.00
39	T	Methylcyclohexane	50.000	48.408	3.2	69	0.00
40	TM	Benzene	50.000	51.175	-2.3	75	0.00
41	T	Methacrylonitrile	50.000	58.623	-17.2	83	0.00
42	TM	1,2-Dichloroethane	50.000	59.283	-18.6	89	0.00
43	T	Isopropyl Acetate	50.000	54.724	-9.4	78	0.00
44	TM	Trichloroethene	50.000	50.948	-1.9	77	0.00
45	C	1,2-Dichloropropane	50.000	52.926	-5.9#	80	0.00
46	T	Dibromomethane	50.000	55.622	-11.2	82	0.00
47	T	Bromodichloromethane	50.000	56.211	-12.4	84	0.00
48	T	Methyl methacrylate	50.000	57.551	-15.1	82	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032425\
Data File : VX045429.D
Acq On : 24 Mar 2025 20:42
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 25 01:41:26 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

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	1025.803	-2.6	76	0.00
50	S	Toluene-d8	50.000	52.665	-5.3	80	0.00
51	T	4-Methyl-2-Pentanone	250.000	293.128	-17.3	85	0.00
52	CM	Toluene	50.000	53.247	-6.5#	76	0.00
53	T	t-1,3-Dichloropropene	50.000	56.767	-13.5	79	0.00
54	T	cis-1,3-Dichloropropene	50.000	55.193	-10.4	78	0.00
55	T	1,1,2-Trichloroethane	50.000	55.047	-10.1	82	0.00
56	T	Ethyl methacrylate	50.000	58.353	-16.7	82	0.00
57	T	1,3-Dichloropropane	50.000	54.877	-9.8	81	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	287.528	-15.0	79	0.00
59	T	2-Hexanone	250.000	294.391	-17.8	85	0.00
60	T	Dibromochloromethane	50.000	57.318	-14.6	83	0.00
61	T	1,2-Dibromoethane	50.000	55.105	-10.2	82	0.00
62	S	4-Bromofluorobenzene	50.000	59.145	-18.3	89	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	79	0.00
64	T	Tetrachloroethene	50.000	49.746	0.5	77	0.00
65	PM	Chlorobenzene	50.000	51.873	-3.7	79	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	53.151	-6.3	83	0.00
67	C	Ethyl Benzene	50.000	53.238	-6.5#	79	0.00
68	T	m/p-Xylenes	100.000	105.294	-5.3	77	0.00
69	T	o-Xylene	50.000	52.437	-4.9	80	0.00
70	T	Styrene	50.000	56.029	-12.1	82	0.00
71	P	Bromoform	50.000	55.909	-11.8	85	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	85	0.00
73	T	Isopropylbenzene	50.000	51.530	-3.1	82	0.00
74	T	N-amyl acetate	50.000	52.577	-5.2	83	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	50.588	-1.2	87	0.00
76	T	1,2,3-Trichloropropane	50.000	51.660	-3.3	89	0.00
77	T	Bromobenzene	50.000	51.103	-2.2	85	0.00
78	T	n-propylbenzene	50.000	53.271	-6.5	83	0.00
79	T	2-Chlorotoluene	50.000	50.957	-1.9	85	0.00
80	T	1,3,5-Trimethylbenzene	50.000	52.906	-5.8	84	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	49.385	1.2	84	0.00
82	T	4-Chlorotoluene	50.000	53.166	-6.3	85	0.00
83	T	tert-Butylbenzene	50.000	51.356	-2.7	84	0.00
84	T	1,2,4-Trimethylbenzene	50.000	53.251	-6.5	85	0.00
85	T	sec-Butylbenzene	50.000	54.043	-8.1	84	0.00
86	T	p-Isopropyltoluene	50.000	53.996	-8.0	84	0.00
87	T	1,3-Dichlorobenzene	50.000	50.976	-2.0	85	0.00
88	T	1,4-Dichlorobenzene	50.000	50.634	-1.3	85	0.00
89	T	n-Butylbenzene	50.000	56.004	-12.0	85	0.00
90	T	Hexachloroethane	50.000	51.608	-3.2	82	0.00
91	T	1,2-Dichlorobenzene	50.000	51.543	-3.1	86	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	55.190	-10.4	90	0.00
93	T	1,2,4-Trichlorobenzene	50.000	52.069	-4.1	82	0.00
94	T	Hexachlorobutadiene	50.000	51.066	-2.1	85	0.00
95	T	Naphthalene	50.000	51.277	-2.6	80	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032425\
Data File : VX045429.D
Acq On : 24 Mar 2025 20:42
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 25 01:41:26 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

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	51.264	-2.5	81	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.: Q1608 SAS No.: Q1608 SDG No.: Q1608

Instrument ID: MSVOA_X Calibration Date/Time: 03/25/2025 11:31

Lab File ID: VX045431.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	0.798		26.87	20
Chloromethane	0.770	0.804	0.1	4.42	20
Vinyl Chloride	0.764	0.720		-5.76	20
Bromomethane	0.300	0.346		15.33	20
Chloroethane	0.352	0.394		11.93	20
Trichlorofluoromethane	1.012	1.093		8	20
1,1,2-Trichlorotrifluoroethane	0.581	0.699		20.31	20
1,1-Dichloroethene	0.614	0.651		6.03	20
Acetone	0.369	0.394		6.78	20
Carbon Disulfide	1.636	1.643		0.43	20
Methyl tert-butyl Ether	2.061	2.180		5.77	20
Methyl Acetate	0.888	0.856		-3.6	20
Methylene Chloride	0.731	0.729		-0.27	20
trans-1,2-Dichloroethene	0.607	0.641		5.6	20
1,1-Dichloroethane	1.247	1.311	0.1	5.13	20
Cyclohexane	1.082	1.188		9.8	20
2-Butanone	0.555	0.596		7.39	20
Carbon Tetrachloride	0.465	0.558		20	20
cis-1,2-Dichloroethene	0.749	0.773		3.2	20
Bromochloromethane	0.594	0.584		-1.68	20
Chloroform	1.239	1.317		6.3	20
1,1,1-Trichloroethane	1.000	1.132		13.2	20
Methylcyclohexane	0.549	0.674		22.77	20
Benzene	1.448	1.547		6.84	20
1,2-Dichloroethane	0.521	0.624		19.77	20
Trichloroethene	0.340	0.365		7.35	20
1,2-Dichloropropane	0.372	0.390		4.84	20
Bromodichloromethane	0.516	0.591		14.53	20
4-Methyl-2-Pentanone	0.587	0.681		16.01	20
Toluene	0.849	0.944		11.19	20
t-1,3-Dichloropropene	0.431	0.547		26.91	20
cis-1,3-Dichloropropene	0.503	0.610		21.27	20
1,1,2-Trichloroethane	0.350	0.370		5.71	20
2-Hexanone	0.425	0.519		22.12	20
Dibromochloromethane	0.366	0.425		16.12	20
1,2-Dibromoethane	0.349	0.390		11.75	20
Tetrachloroethene	0.320	0.353		10.31	20
Chlorobenzene	1.058	1.130	0.3	6.8	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.: Q1608 SAS No.: Q1608 SDG No.: Q1608

Instrument ID: MSVOA_X Calibration Date/Time: 03/25/2025 11:31

Lab File ID: VX045431.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	2.068		12.21	20
m/p-Xylenes	0.675	0.760		12.59	20
o-Xylene	0.681	0.753		10.57	20
Styrene	1.101	1.269		15.26	20
Bromoform	0.266	0.306	0.1	15.04	20
Isopropylbenzene	3.903	4.076		4.43	20
1,1,2,2-Tetrachloroethane	1.432	1.422	0.3	-0.7	20
1,3-Dichlorobenzene	1.643	1.755		6.82	20
1,4-Dichlorobenzene	1.662	1.732		4.15	20
1,2-Dichlorobenzene	1.648	1.733		5.16	20
1,2-Dibromo-3-Chloropropane	0.279	0.323		15.77	20
1,2,4-Trichlorobenzene	0.938	1.047		11.62	20
1,2,3-Trichlorobenzene	0.990	1.048		5.86	20
1,2-Dichloroethane-d4	0.795	0.876		10.19	20
Dibromofluoromethane	0.334	0.368		10.18	20
Toluene-d8	1.212	1.260		3.96	20
4-Bromofluorobenzene	0.402	0.481		19.65	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\VX032525\
Data File : VX045431.D
Acq On : 25 Mar 2025 11:31
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 26 01:33:34 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 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	83260	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	144945	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	129576	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	63016	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	72923	55.062	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 110.120%			
35) Dibromofluoromethane	5.385	113	53282	54.975	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 109.940%			
50) Toluene-d8	8.647	98	182626	51.975	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.960%			
62) 4-Bromofluorobenzene	11.079	95	69681	59.846	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 119.700%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	66436	63.390	ug/l	93
3) Chloromethane	1.307	50	66903	52.163	ug/l	95
4) Vinyl Chloride	1.374	62	59965	47.130	ug/l	96
5) Bromomethane	1.593	94	28781	57.542	ug/l	97
6) Chloroethane	1.666	64	32807	55.901	ug/l	95
7) Trichlorofluoromethane	1.874	101	91006	54.030	ug/l	97
8) Diethyl Ether	2.130	74	29617	44.955	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.319	101	58221	60.165	ug/l	98
10) Methyl Iodide	2.441	142	68492	56.637	ug/l	94
11) Tert butyl alcohol	2.977	59	55509	221.277	ug/l	96
12) 1,1-Dichloroethene	2.306	96	54221	52.997	ug/l	96
13) Acrolein	2.233	56	77829	268.391	ug/l	98
14) Allyl chloride	2.654	41	101764	55.879	ug/l	92
15) Acrylonitrile	3.062	53	168372	250.432	ug/l	99
16) Acetone	2.386	43	164112	267.080	ug/l	97
17) Carbon Disulfide	2.502	76	136796	50.201	ug/l	98
18) Methyl Acetate	2.703	43	71289	48.227	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	181535	52.888	ug/l	97
20) Methylene Chloride	2.782	84	60694	49.864	ug/l	97
21) trans-1,2-Dichloroethene	3.087	96	53348	52.781	ug/l	97
22) Diisopropyl ether	3.757	45	192840	52.066	ug/l #	86
23) Vinyl Acetate	3.715	43	885598	286.525	ug/l	98
24) 1,1-Dichloroethane	3.605	63	109159	52.589	ug/l	100
25) 2-Butanone	4.556	43	248088	268.225	ug/l	96
26) 2,2-Dichloropropane	4.471	77	80649	82.834	ug/l	94
27) cis-1,2-Dichloroethene	4.483	96	64325	51.554	ug/l	92
28) Bromochloromethane	4.891	49	48619	49.141	ug/l	98
29) Tetrahydrofuran	5.001	42	155653	250.594	ug/l	99
30) Chloroform	5.086	83	109652	53.166	ug/l	99
31) Cyclohexane	5.458	56	98942	54.912	ug/l	97
32) 1,1,1-Trichloroethane	5.373	97	94214	56.559	ug/l	98
36) 1,1-Dichloropropene	5.684	75	74619	56.139	ug/l	100
37) Ethyl Acetate	4.708	43	92765	54.162	ug/l	98
38) Carbon Tetrachloride	5.666	117	80811	59.885	ug/l	97
39) Methylcyclohexane	7.373	83	97660	61.319	ug/l	96
40) Benzene	6.031	78	224248	53.428	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032525\
Data File : VX045431.D
Acq On : 25 Mar 2025 11:31
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 26 01:33:34 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 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.916	41	51574	55.689	ug/l		98
42) 1,2-Dichloroethane	6.080	62	90507	59.882	ug/l		96
43) Isopropyl Acetate	6.336	43	146064	57.673	ug/l		98
44) Trichloroethene	7.117	130	52842	53.617	ug/l		100
45) 1,2-Dichloropropane	7.428	63	56590	52.440	ug/l		98
46) Dibromomethane	7.574	93	43826	57.458	ug/l		96
47) Bromodichloromethane	7.818	83	85701	57.282	ug/l		99
48) Methyl methacrylate	7.690	41	75819	59.672	ug/l		93
49) 1,4-Dioxane	7.653	88	28313	1056.380	ug/l		94
51) 4-Methyl-2-Pentanone	8.574	43	493305	290.090	ug/l		99
52) Toluene	8.714	92	136895	55.590	ug/l		99
53) t-1,3-Dichloropropene	8.976	75	79234	63.348	ug/l		96
54) cis-1,3-Dichloropropene	8.360	75	88476	60.662	ug/l		92
55) 1,1,2-Trichloroethane	9.147	97	53576	52.847	ug/l		99
56) Ethyl methacrylate	9.116	69	90431	58.682	ug/l		92
57) 1,3-Dichloropropane	9.305	76	94299	53.749	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.238	63	224245	298.307	ug/l		100
59) 2-Hexanone	9.427	43	376299	305.413	ug/l		98
60) Dibromochloromethane	9.519	129	61649	58.159	ug/l		100
61) 1,2-Dibromoethane	9.604	107	56497	55.824	ug/l		99
64) Tetrachloroethene	9.269	164	45803	55.192	ug/l		96
65) Chlorobenzene	10.079	112	146378	53.387	ug/l		100
66) 1,1,1,2-Tetrachloroethane	10.159	131	50276	55.062	ug/l		97
67) Ethyl Benzene	10.189	91	267992	56.096	ug/l		98
68) m/p-Xylenes	10.299	106	196944	112.611	ug/l		95
69) o-Xylene	10.640	106	97592	55.328	ug/l		98
70) Styrene	10.653	104	164378	57.595	ug/l		97
71) Bromoform	10.799	173	39593	57.503	ug/l	#	99
73) Isopropylbenzene	10.957	105	256869	52.224	ug/l		99
74) N-amyl acetate	10.842	43	132920	57.592	ug/l		98
75) 1,1,2,2-Tetrachloroethane	11.207	83	89603	49.643	ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	75851m	51.715	ug/l		
77) Bromobenzene	11.195	156	57616	49.647	ug/l		93
78) n-propylbenzene	11.299	91	307324	55.312	ug/l		98
79) 2-Chlorotoluene	11.360	91	186258	52.637	ug/l		97
80) 1,3,5-Trimethylbenzene	11.451	105	213188	53.605	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.018	75	24577	57.344	ug/l		90
82) 4-Chlorotoluene	11.451	91	213457	55.350	ug/l		98
83) tert-Butylbenzene	11.713	119	216792	53.053	ug/l		97
84) 1,2,4-Trimethylbenzene	11.750	105	220378	55.071	ug/l		98
85) sec-Butylbenzene	11.890	105	272850	55.742	ug/l		99
86) p-Isopropyltoluene	12.006	119	228640	57.799	ug/l		98
87) 1,3-Dichlorobenzene	11.969	146	110607	53.426	ug/l		99
88) 1,4-Dichlorobenzene	12.036	146	109112	52.095	ug/l		98
89) n-Butylbenzene	12.329	91	210489	61.782	ug/l		98
90) Hexachloroethane	12.536	117	39347	54.992	ug/l		96
91) 1,2-Dichlorobenzene	12.335	146	109233	52.598	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	12.939	75	20341	57.847	ug/l		90
93) 1,2,4-Trichlorobenzene	13.585	180	65965	55.783	ug/l		99
94) Hexachlorobutadiene	13.725	225	27052	55.799	ug/l		97
95) Naphthalene	13.774	128	244271	53.764	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	66037	52.935	ug/l		98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032525\
Data File : VX045431.D
Acq On : 25 Mar 2025 11:31
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 26 01:33:34 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 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

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

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

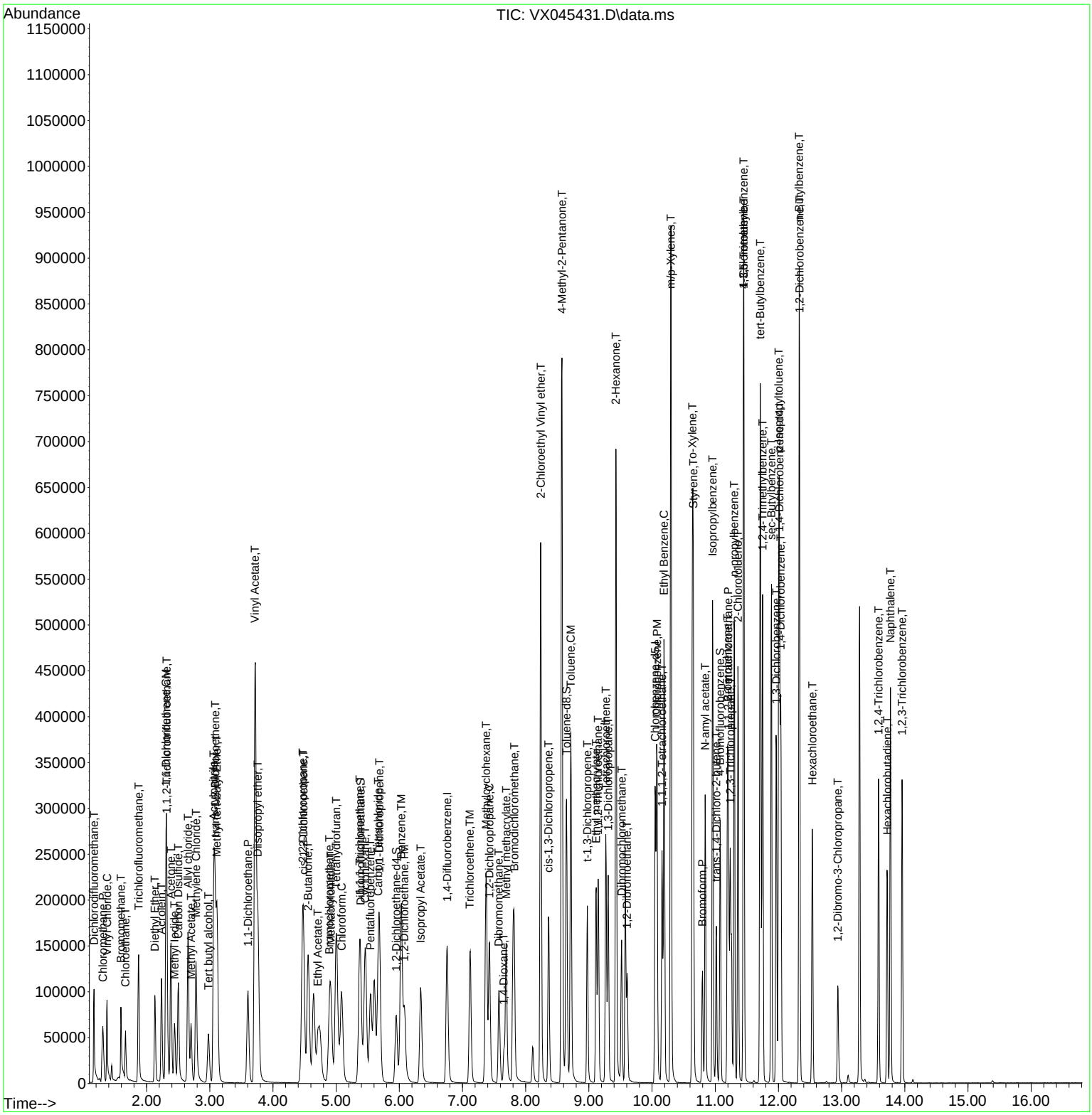
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032525\
Data File : VX045431.D
Acq On : 25 Mar 2025 11:31
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

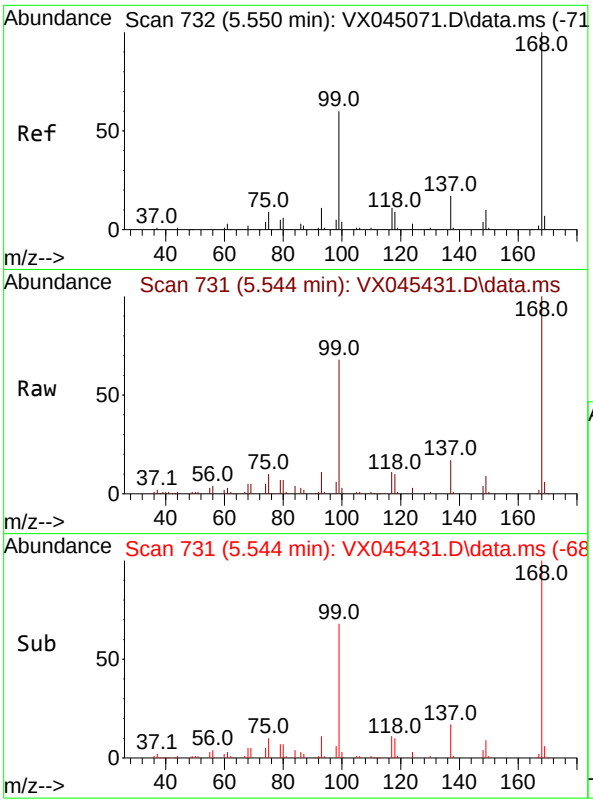
Quant Time: Mar 26 01:33:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

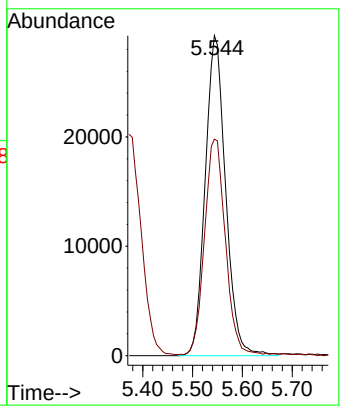




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045431.D
Acq: 25 Mar 2025 11:31

Tgt Ion:168 Resp: 8326

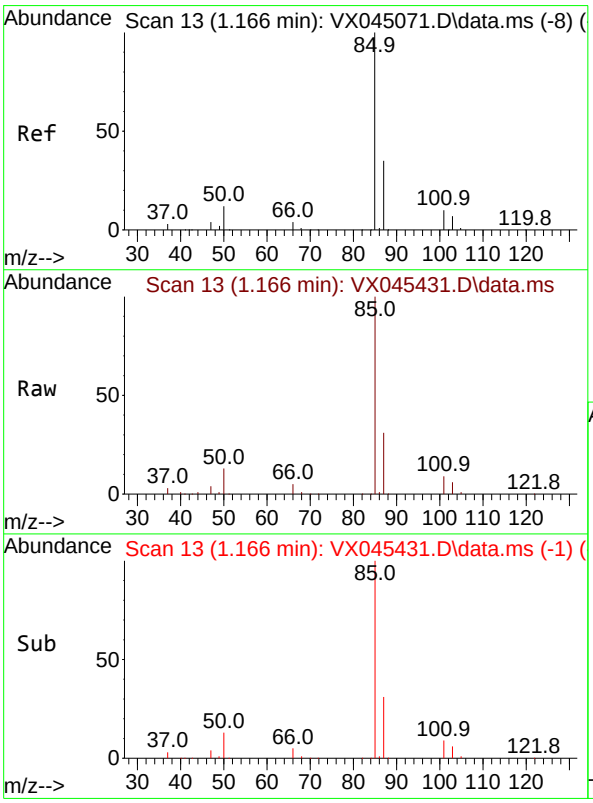
Ion	Ratio	Lower	Upper
168	100		
99	67.3	48.2	72.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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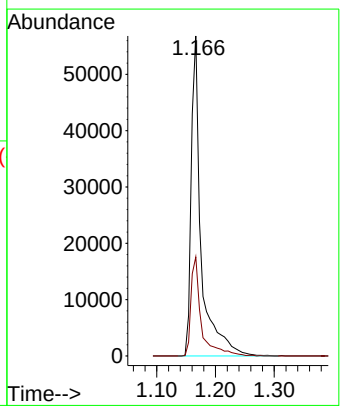
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

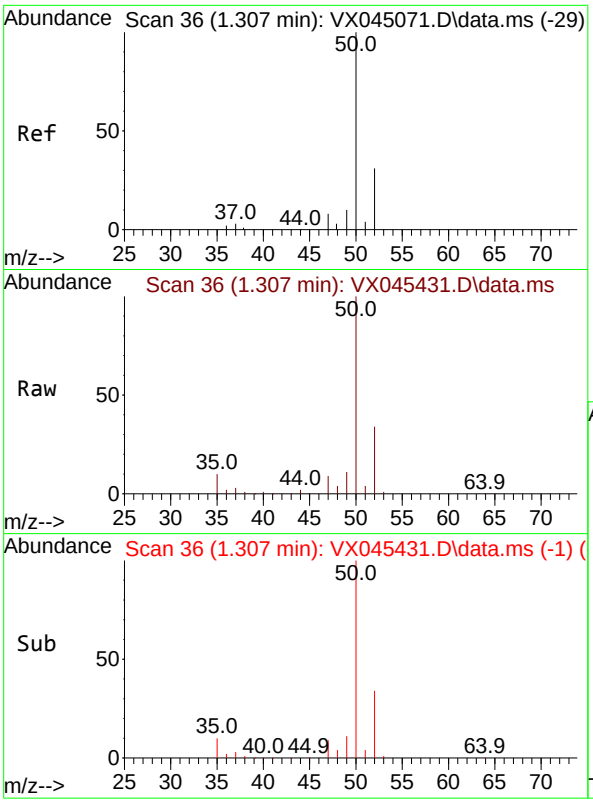


#2
Dichlorodifluoromethane
Concen: 63.390 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX045431.D
Acq: 25 Mar 2025 11:31

Tgt Ion: 85 Resp: 66436

Ion	Ratio	Lower	Upper
85	100		
87	30.9	17.4	52.3





#3
Chloromethane
Concen: 52.163 ug/l
RT: 1.307 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045431.D
Acq: 25 Mar 2025 11:31

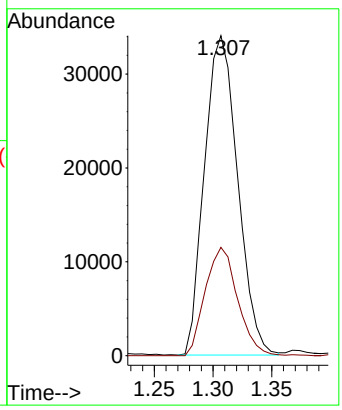
Tgt Ion: 50 Resp: 6690

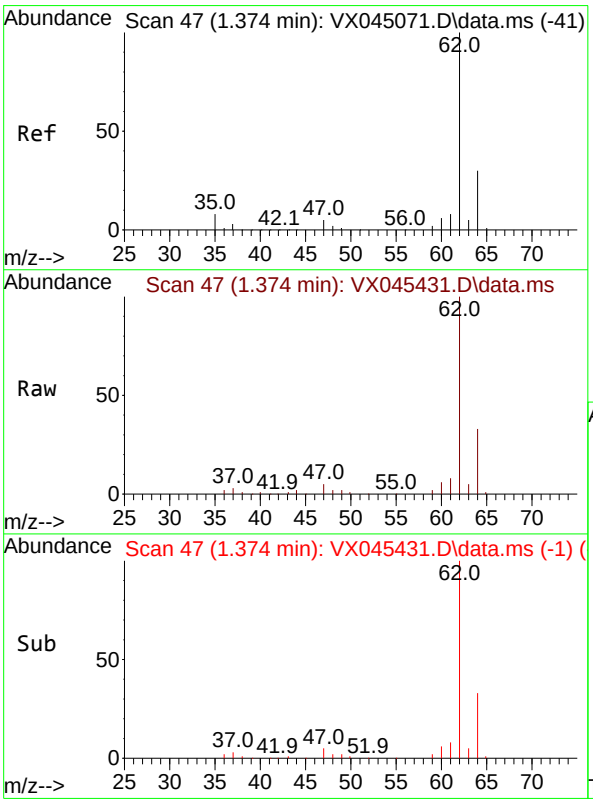
Ion	Ratio	Lower	Upper
50	100		
52	33.9	25.0	37.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

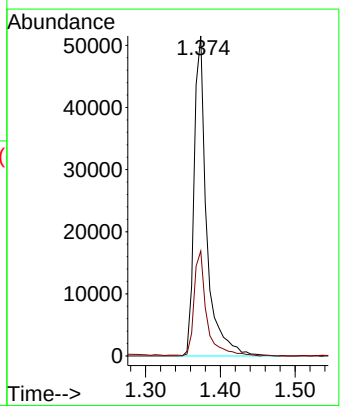


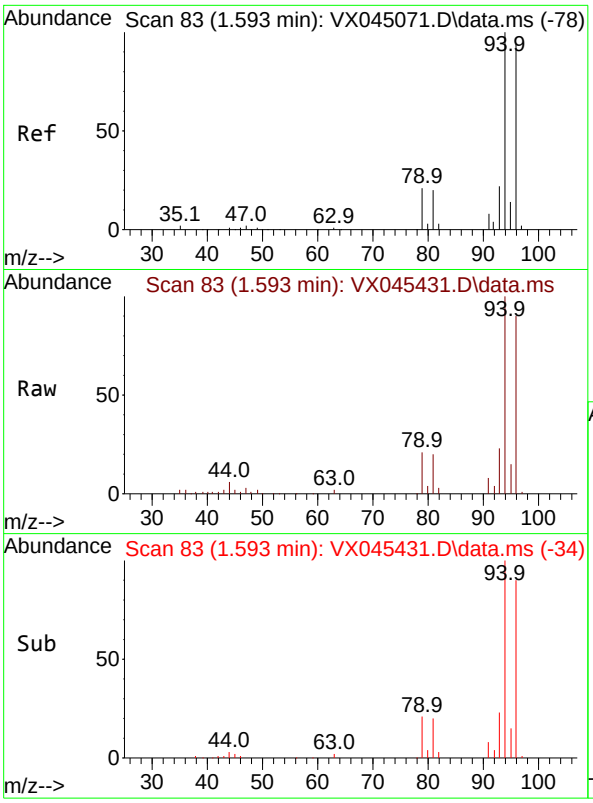


#4
Vinyl Chloride
Concen: 47.130 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX045431.D
Acq: 25 Mar 2025 11:31

Tgt Ion: 62 Resp: 59965

Ion	Ratio	Lower	Upper
62	100		
64	32.8	24.3	36.5

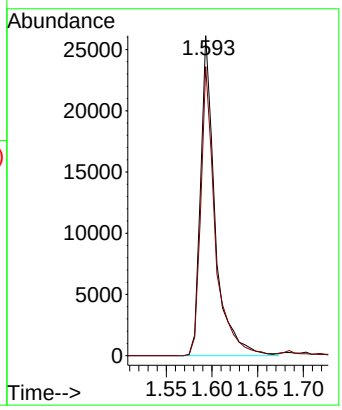




#5
Bromomethane
Concen: 57.542 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045431.D
Acq: 25 Mar 2025 11:31

Tgt Ion: 94 Resp: 2878

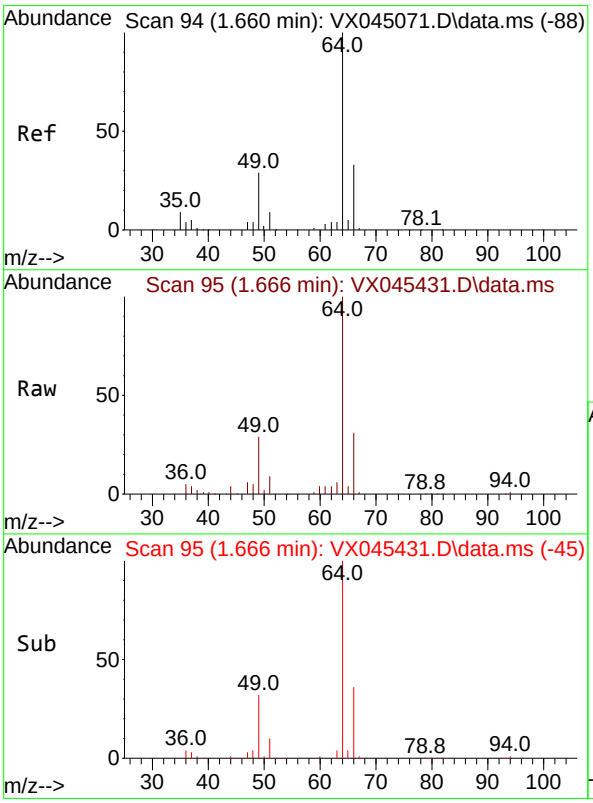
Ion	Ratio	Lower	Upper
94	100		
96	90.3	75.0	112.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

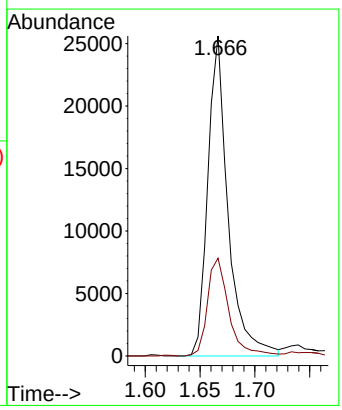
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

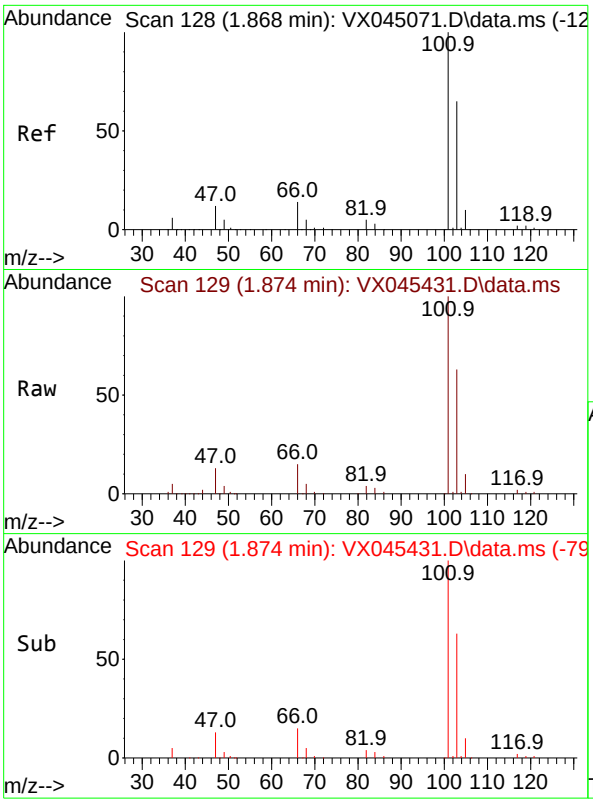


#6
Chloroethane
Concen: 55.901 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.006 min
Lab File: VX045431.D
Acq: 25 Mar 2025 11:31

Tgt Ion: 64 Resp: 32807

Ion	Ratio	Lower	Upper
64	100		
66	30.6	26.7	40.1

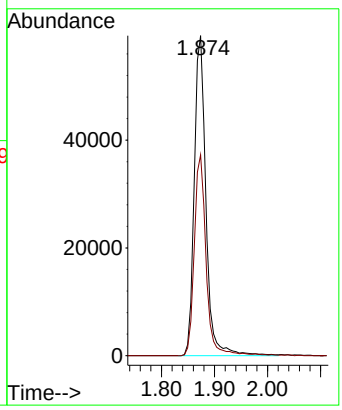




#7
Trichlorofluoromethane
Concen: 54.030 ug/l
RT: 1.874 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045431.D
Acq: 25 Mar 2025 11:31

Tgt Ion:101 Resp: 9100

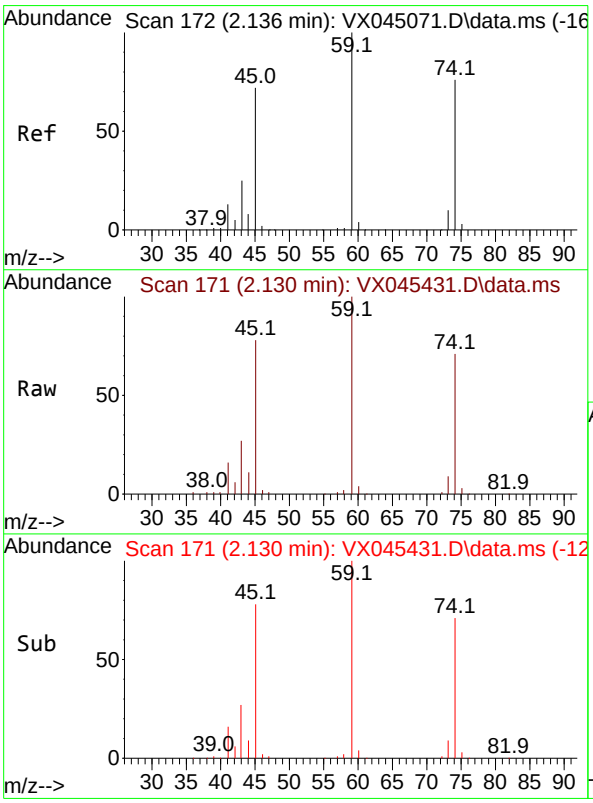
Ion	Ratio	Lower	Upper
101	100		
103	62.7	52.1	78.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

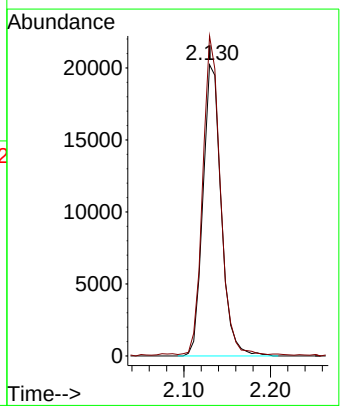
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

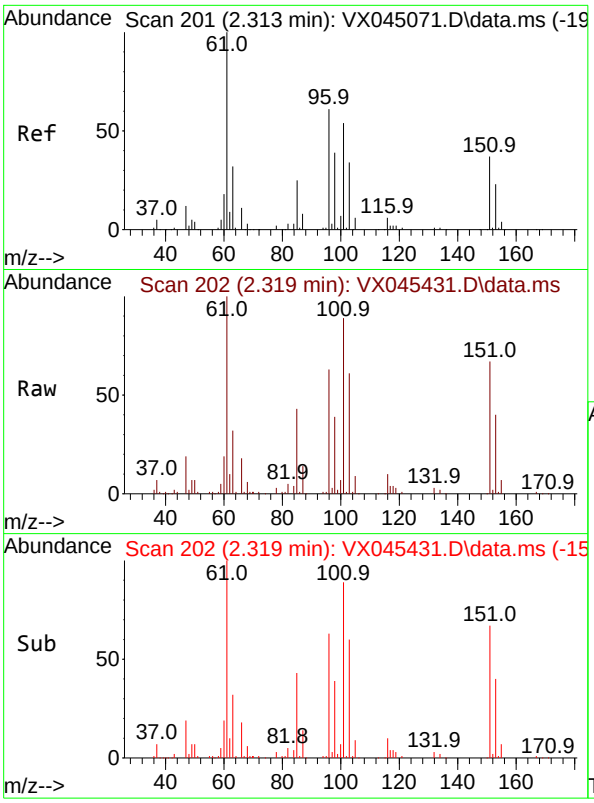


#8
Diethyl Ether
Concen: 44.955 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX045431.D
Acq: 25 Mar 2025 11:31

Tgt Ion: 74 Resp: 29617

Ion	Ratio	Lower	Upper
74	100		
45	105.3	51.5	154.5





#9
1,1,2-Trichlorotrifluoroethane
Concen: 60.165 ug/l
RT: 2.319 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX045431.D
Acq: 25 Mar 2025 11:31

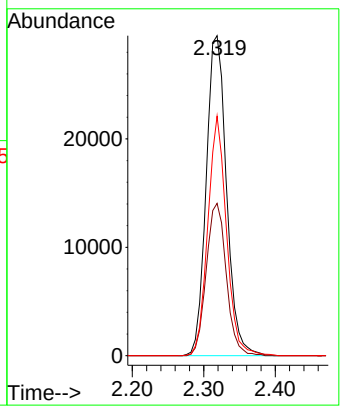
Tgt Ion:101 Resp: 5822

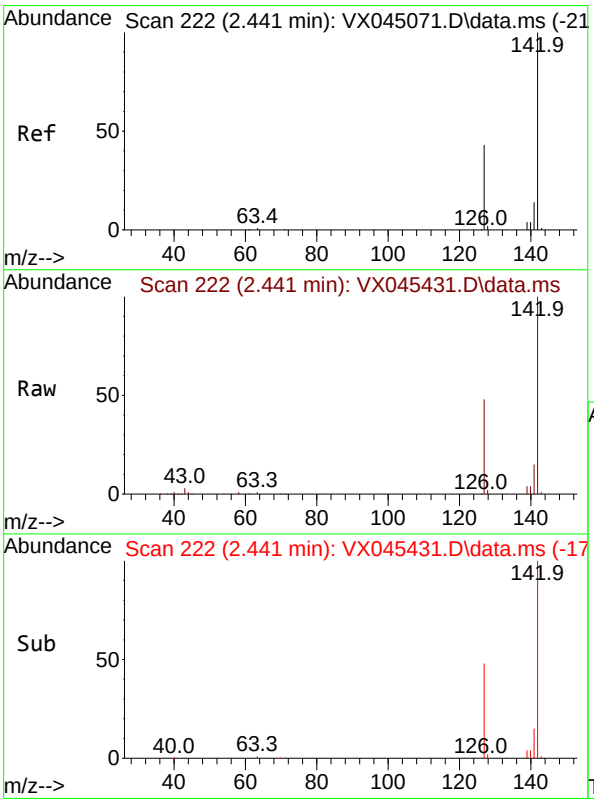
Ion	Ratio	Lower	Upper
101	100		
85	47.0	36.2	54.4
151	68.9	56.4	84.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

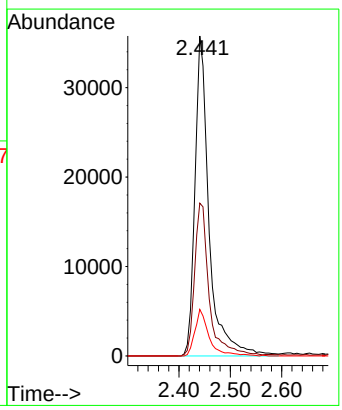


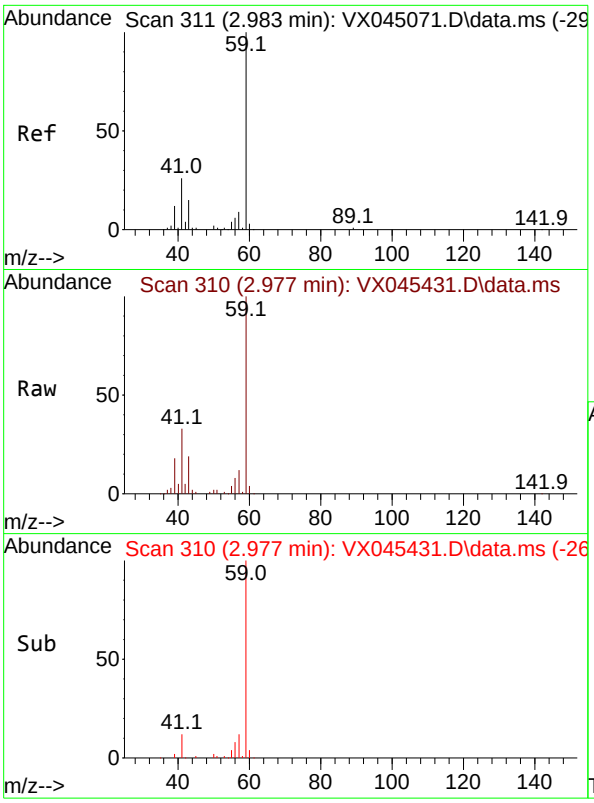


#10
Methyl Iodide
Concen: 56.637 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX045431.D
Acq: 25 Mar 2025 11:31

Tgt Ion:142 Resp: 68492

Ion	Ratio	Lower	Upper
142	100		
127	49.3	35.4	53.2
141	14.6	11.6	17.4

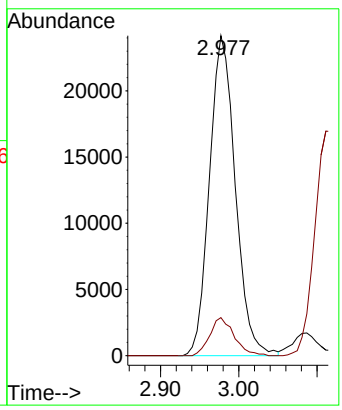




#11
Tert butyl alcohol
Concen: 221.277 ug/l
RT: 2.977 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045431.D
Acq: 25 Mar 2025 11:31

Tgt Ion: 59 Resp: 5550

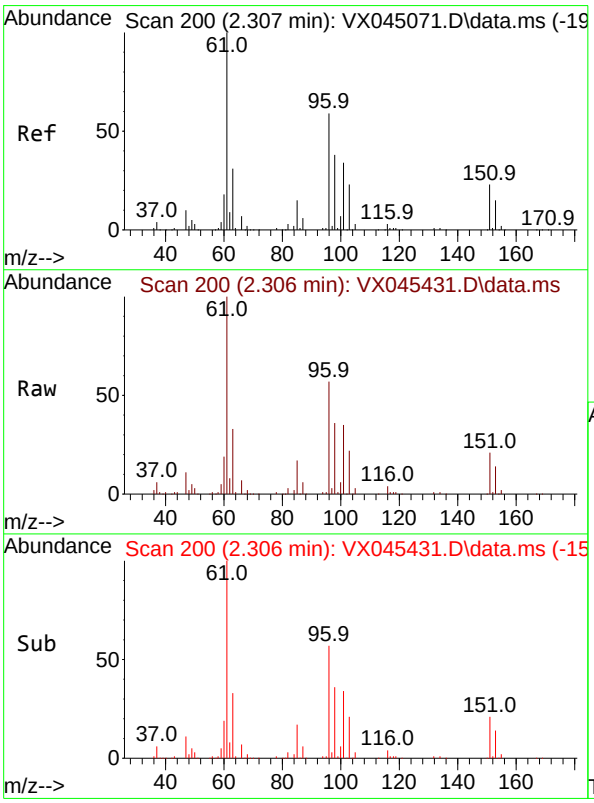
Ion	Ratio	Lower	Upper
59	100		
57	11.2	7.8	11.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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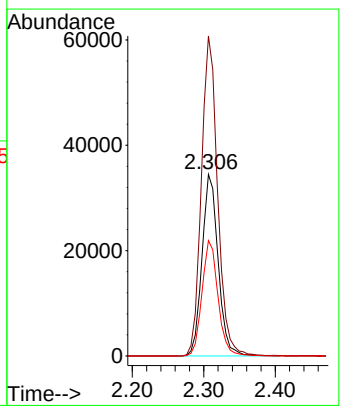
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

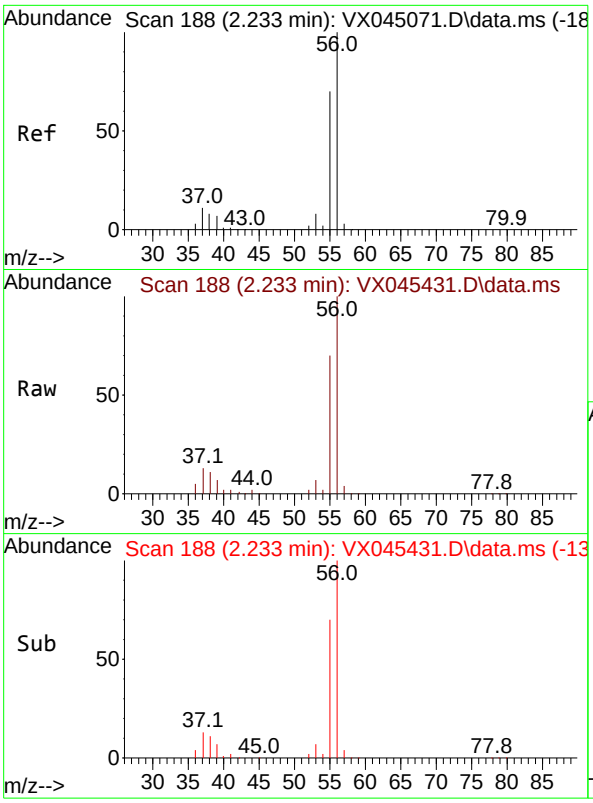


#12
1,1-Dichloroethene
Concen: 52.997 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX045431.D
Acq: 25 Mar 2025 11:31

Tgt Ion: 96 Resp: 54221

Ion	Ratio	Lower	Upper
96	100		
61	176.2	134.6	202.0
98	63.6	51.0	76.6

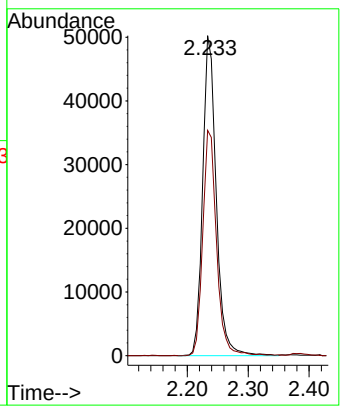




#13
Acrolein
Concen: 268.391 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045431.D
Acq: 25 Mar 2025 11:31

Tgt Ion: 56 Resp: 7782

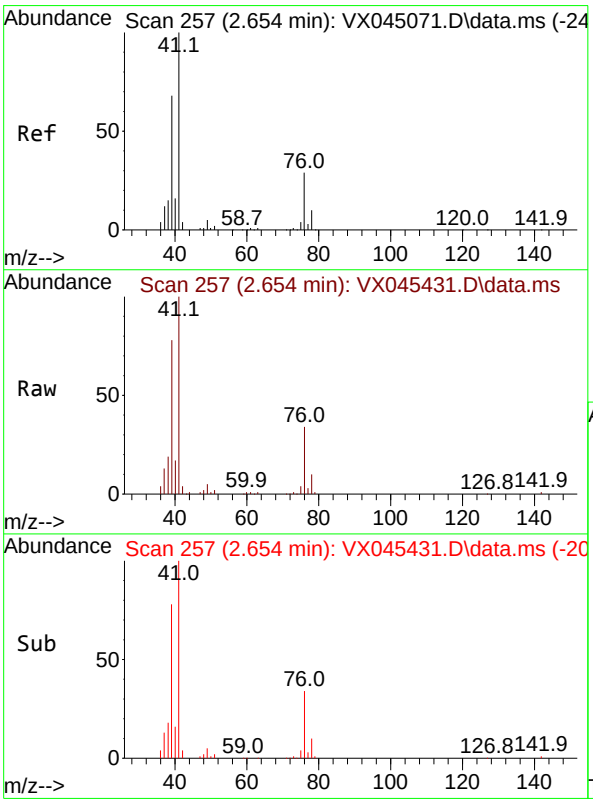
Ion	Ratio	Lower	Upper
56	100		
55	71.6	56.2	84.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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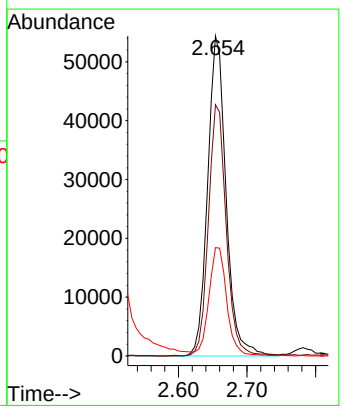
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

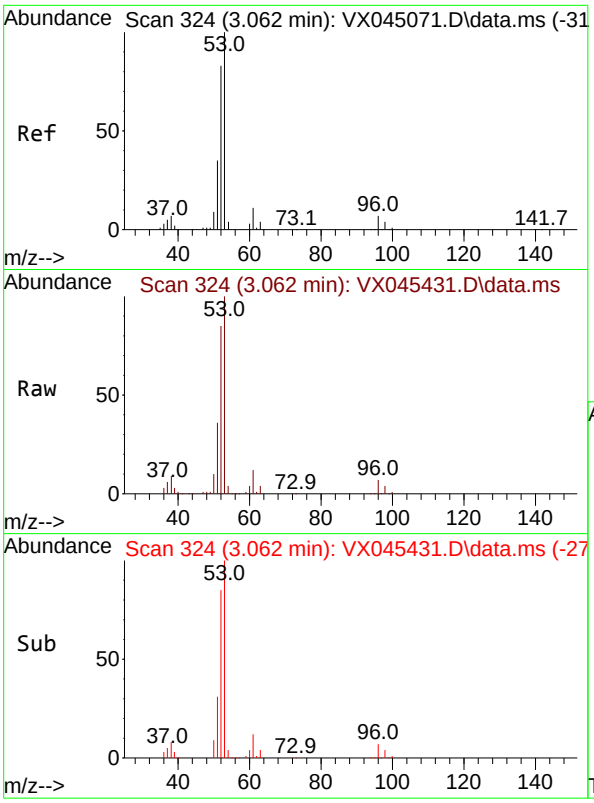


#14
Allyl chloride
Concen: 55.879 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX045431.D
Acq: 25 Mar 2025 11:31

Tgt Ion: 41 Resp: 101764

Ion	Ratio	Lower	Upper
41	100		
39	76.0	53.8	80.8
76	32.7	25.2	37.8





#15
Acrylonitrile
Concen: 250.432 ug/l
RT: 3.062 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045431.D
Acq: 25 Mar 2025 11:31

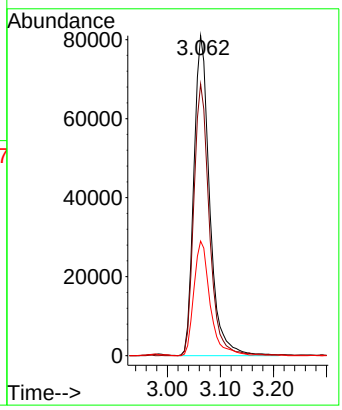
Tgt Ion: 53 Resp: 16837

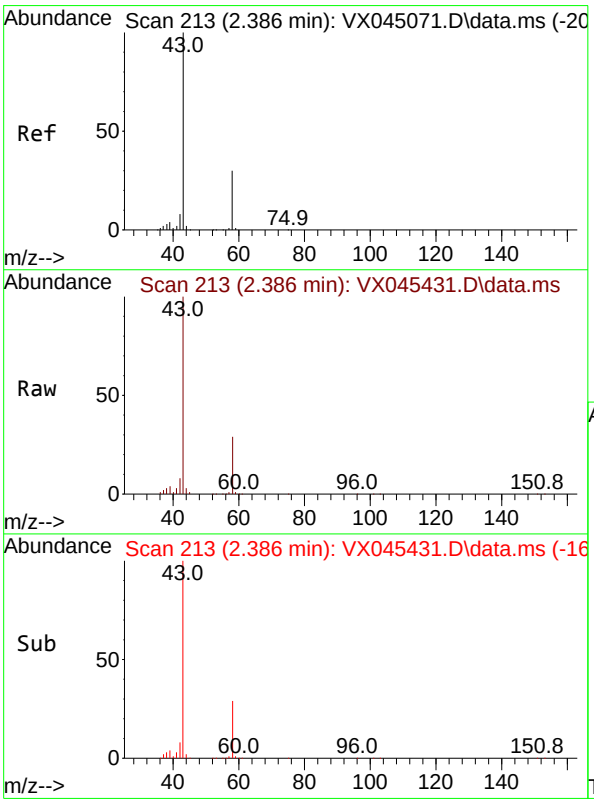
Ion	Ratio	Lower	Upper
53	100		
52	83.2	66.2	99.2
51	36.6	29.0	43.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

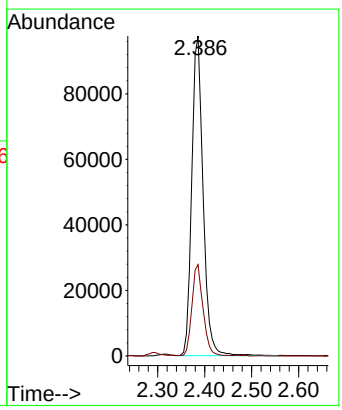


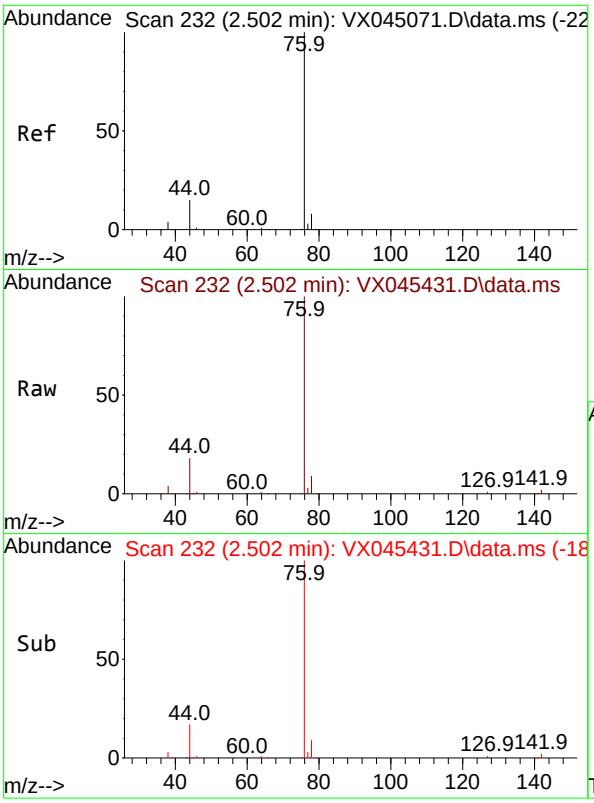


#16
Acetone
Concen: 267.080 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX045431.D
Acq: 25 Mar 2025 11:31

Tgt Ion: 43 Resp: 164112

Ion	Ratio	Lower	Upper
43	100		
58	28.6	24.2	36.4

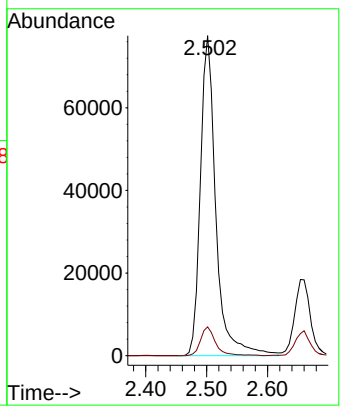




#17
Carbon Disulfide
Concen: 50.201 ug/l
RT: 2.502 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045431.D
Acq: 25 Mar 2025 11:31

Tgt Ion: 76 Resp: 13679

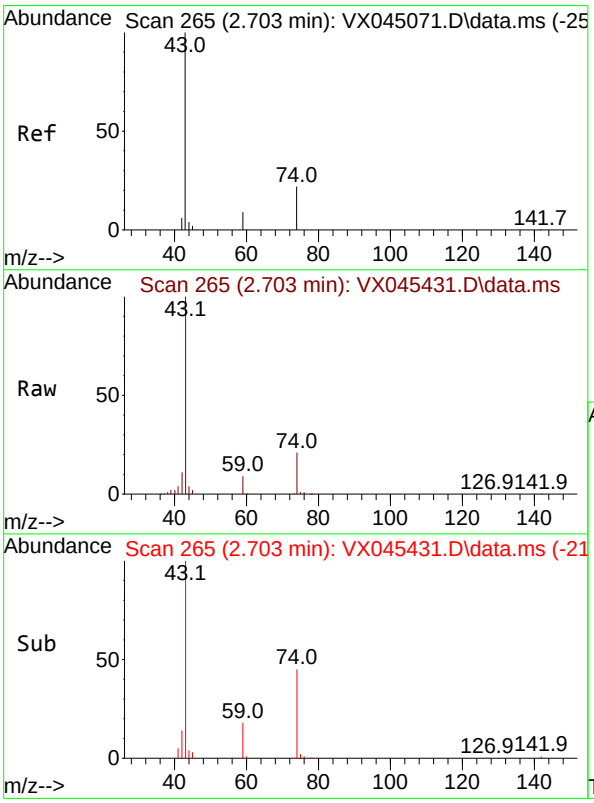
Ion	Ratio	Lower	Upper
76	100		
78	9.0	6.6	9.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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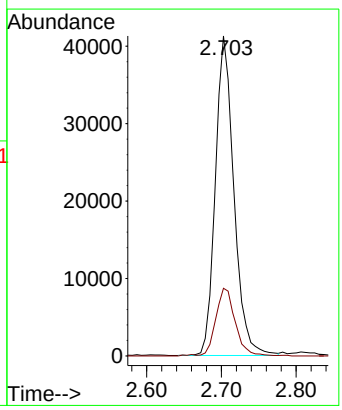
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

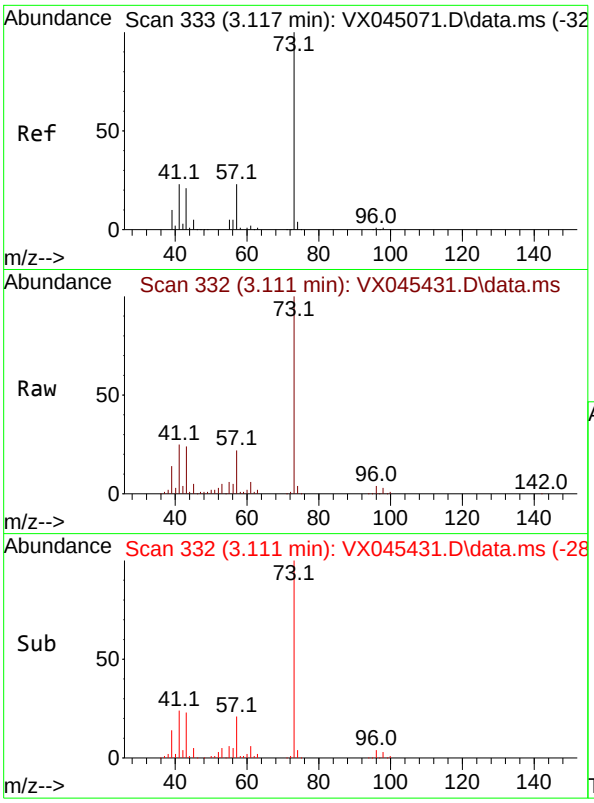


#18
Methyl Acetate
Concen: 48.227 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX045431.D
Acq: 25 Mar 2025 11:31

Tgt Ion: 43 Resp: 71289

Ion	Ratio	Lower	Upper
43	100		
74	22.4	17.4	26.2

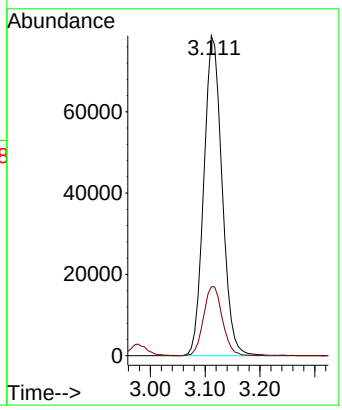




#19
Methyl tert-butyl Ether
Concen: 52.888 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045431.D
Acq: 25 Mar 2025 11:31

Tgt Ion: 73 Resp: 18153

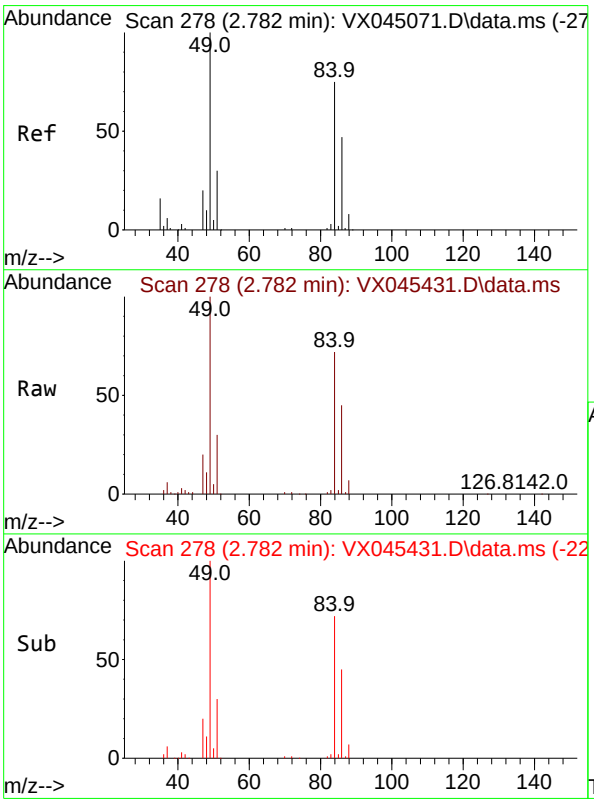
Ion	Ratio	Lower	Upper
73	100		
57	21.6	18.5	27.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

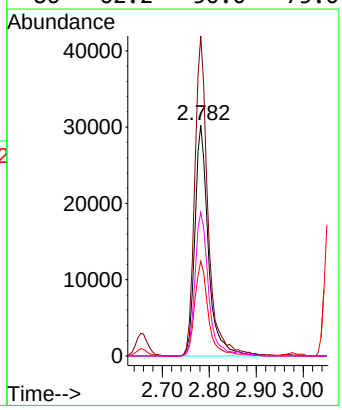
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

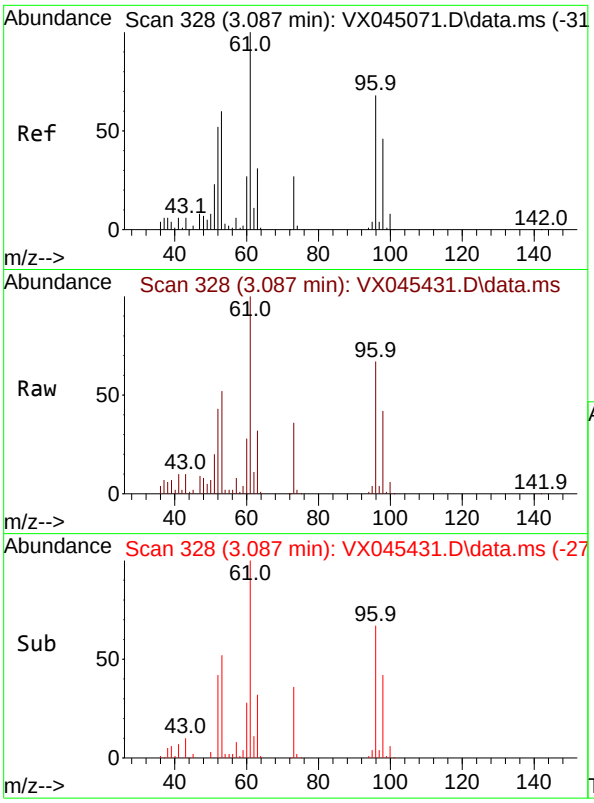


#20
Methylene Chloride
Concen: 49.864 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX045431.D
Acq: 25 Mar 2025 11:31

Tgt Ion: 84 Resp: 60694

Ion	Ratio	Lower	Upper
84	100		
49	138.7	106.5	159.7
51	41.1	32.1	48.1
86	62.2	50.0	75.0

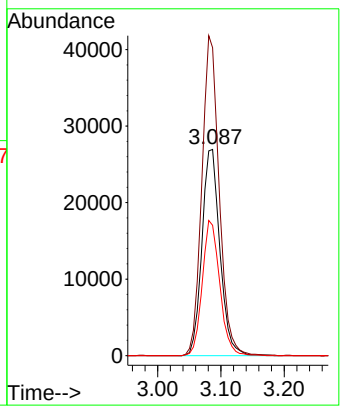




#21
trans-1,2-Dichloroethene
Concen: 52.781 ug/l
RT: 3.087 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045431.D
Acq: 25 Mar 2025 11:31

Tgt Ion: 96 Resp: 5334

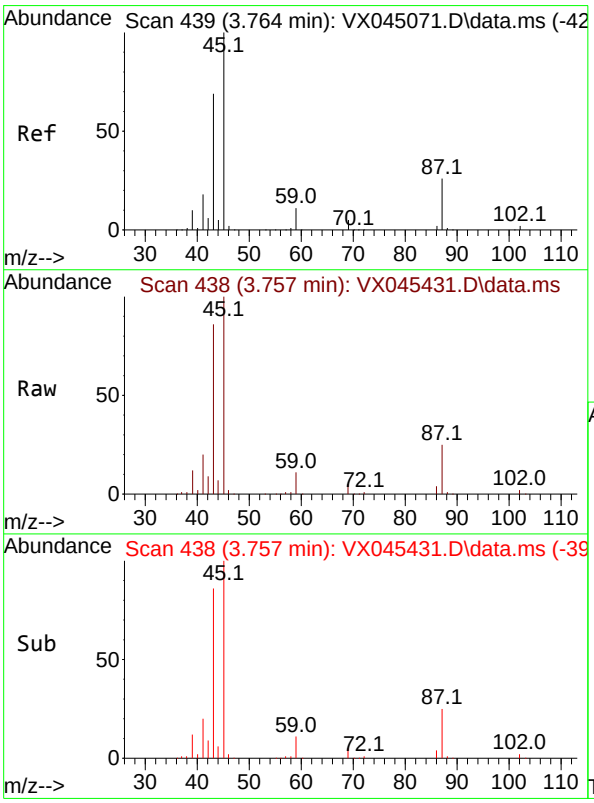
Ion	Ratio	Lower	Upper
96	100		
61	149.3	117.0	175.4
98	63.3	53.4	80.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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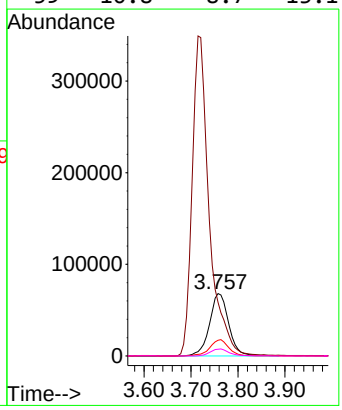
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

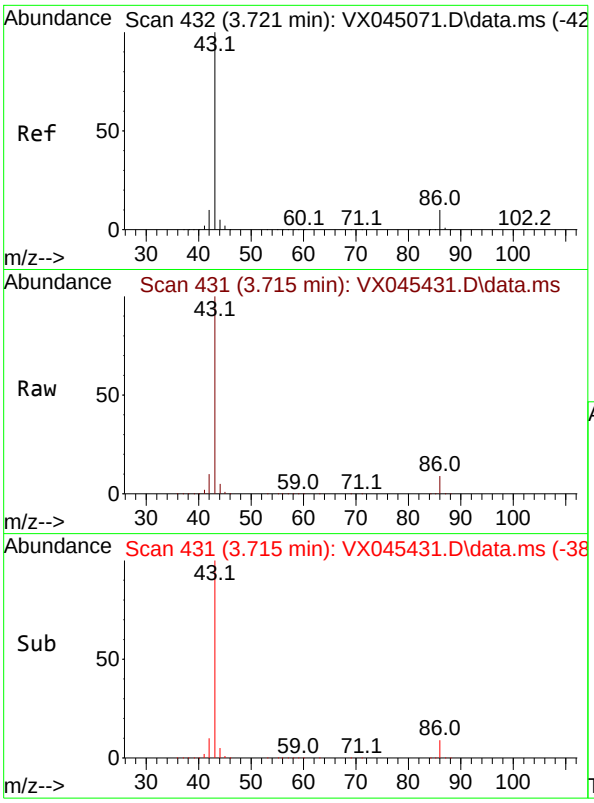


#22
Diisopropyl ether
Concen: 52.066 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.006 min
Lab File: VX045431.D
Acq: 25 Mar 2025 11:31

Tgt Ion: 45 Resp: 192840

Ion	Ratio	Lower	Upper
45	100		
43	85.5	54.9	82.3#
87	25.3	21.0	31.4
59	10.8	8.7	13.1





#23
Vinyl Acetate
Concen: 286.525 ug/l
RT: 3.715 min Scan# 4
Delta R.T. -0.006 min
Lab File: VX045431.D
Acq: 25 Mar 2025 11:31

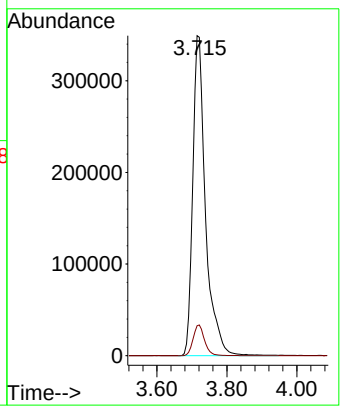
Tgt Ion: 43 Resp: 88559

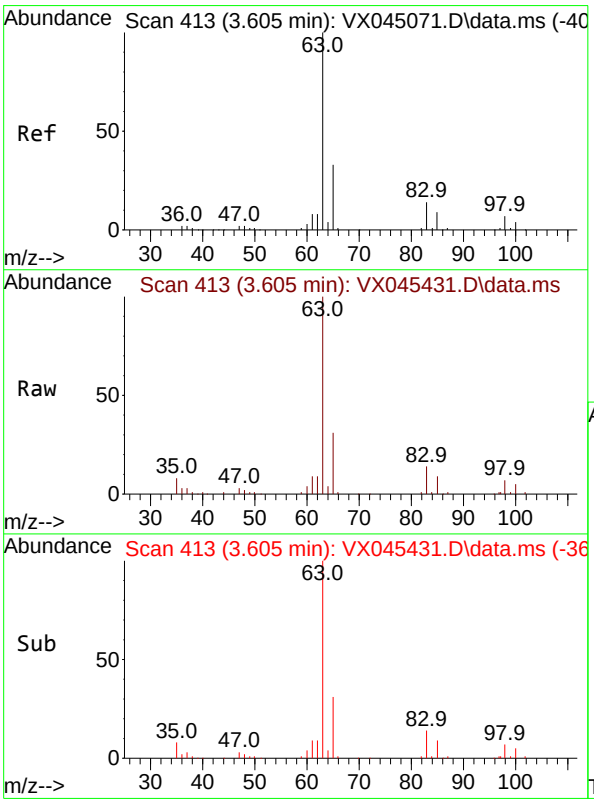
Ion	Ratio	Lower	Upper
43	100		
86	9.4	8.1	12.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

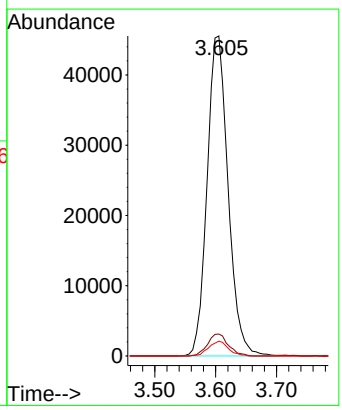


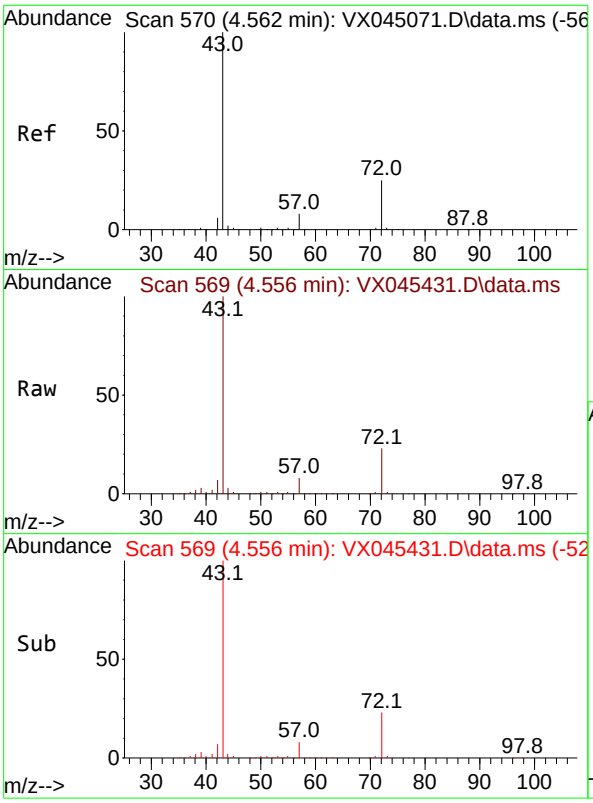


#24
1,1-Dichloroethane
Concen: 52.589 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX045431.D
Acq: 25 Mar 2025 11:31

Tgt Ion: 63 Resp: 109159

Ion	Ratio	Lower	Upper
63	100		
98	6.8	3.4	10.2
100	4.6	2.1	6.5





#25
2-Butanone
Concen: 268.225 ug/l
RT: 4.556 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX045431.D
Acq: 25 Mar 2025 11:31

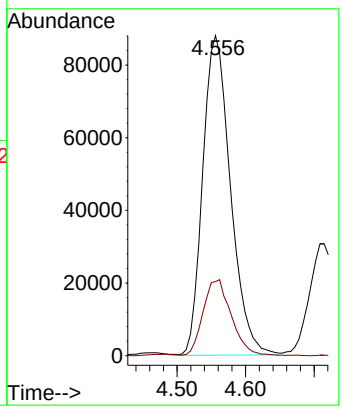
Tgt Ion: 43 Resp: 24808

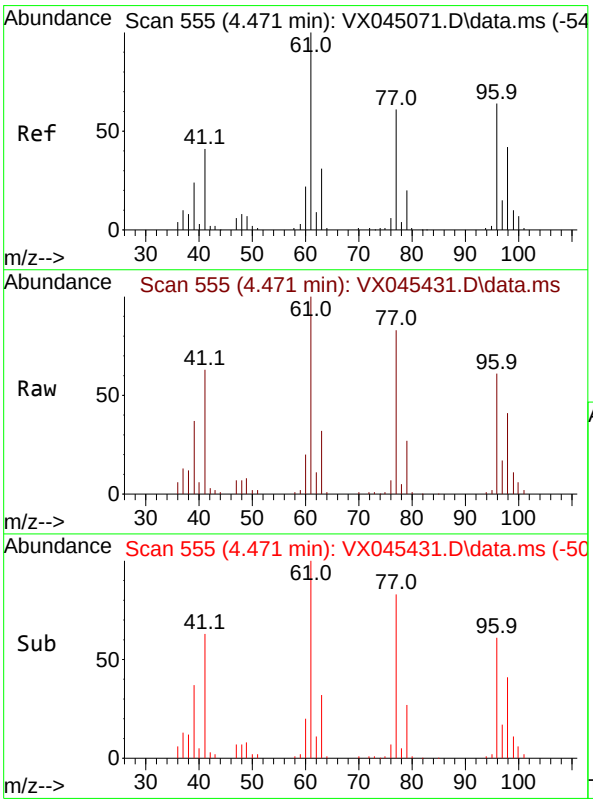
Ion	Ratio	Lower	Upper
43	100		
72	23.1	20.0	30.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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Supervised By :Mahesh Dadoda 03/26/2025

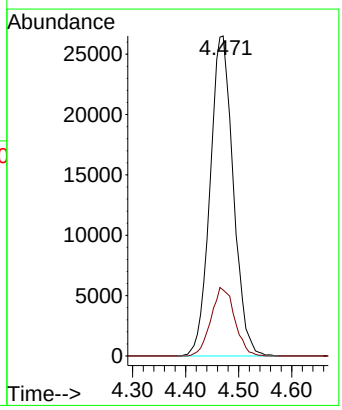


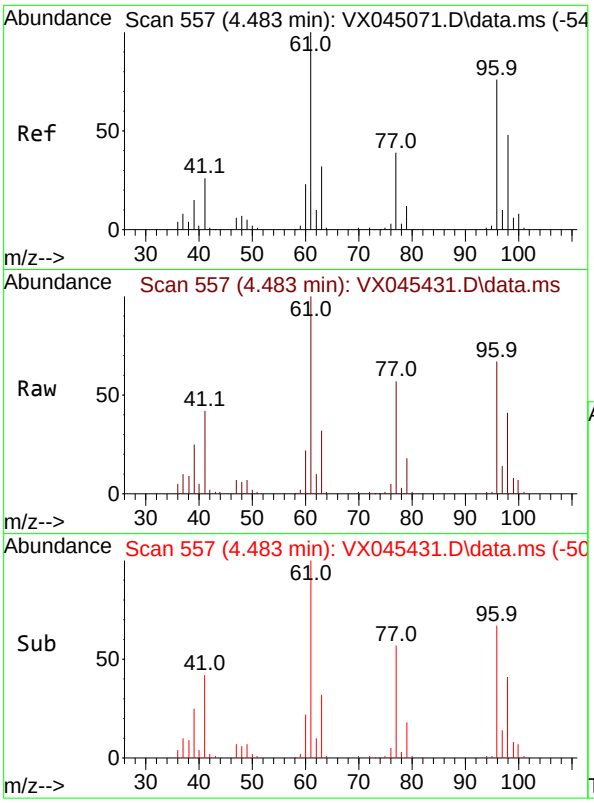


#26
2,2-Dichloropropane
Concen: 82.834 ug/l
RT: 4.471 min Scan# 555
Delta R.T. -0.000 min
Lab File: VX045431.D
Acq: 25 Mar 2025 11:31

Tgt Ion: 77 Resp: 80649

Ion	Ratio	Lower	Upper
77	100		
97	21.8	12.4	37.0

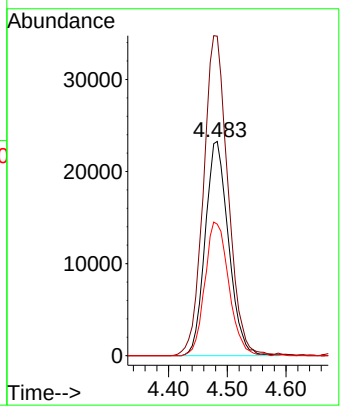




#27
cis-1,2-Dichloroethene
Concen: 51.554 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045431.D
Acq: 25 Mar 2025 11:31

Tgt Ion: 96 Resp: 6432

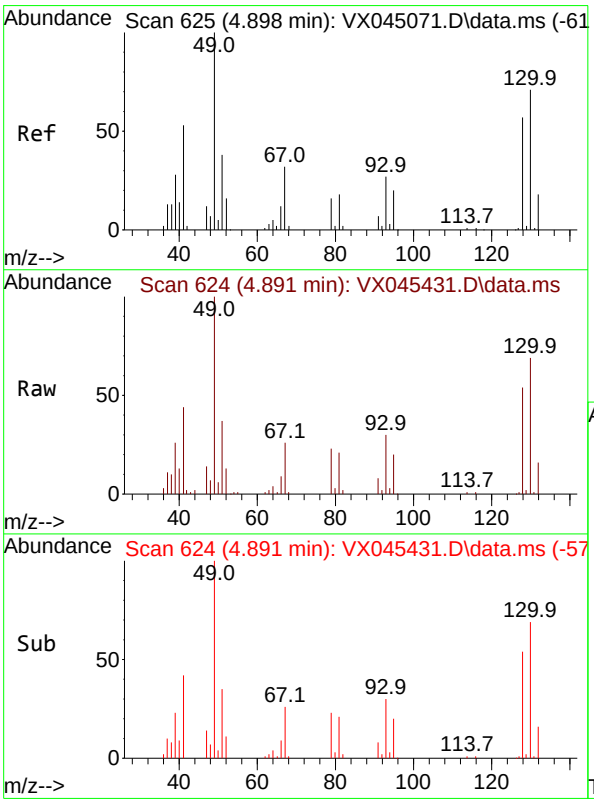
Ion	Ratio	Lower	Upper
96	100		
61	156.5	0.0	283.2
98	64.0	0.0	128.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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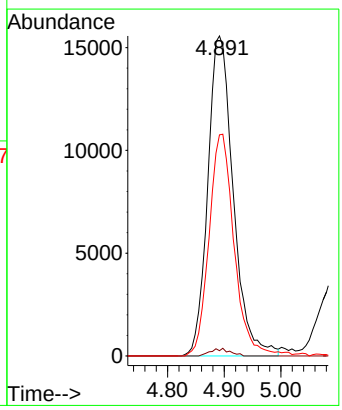
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

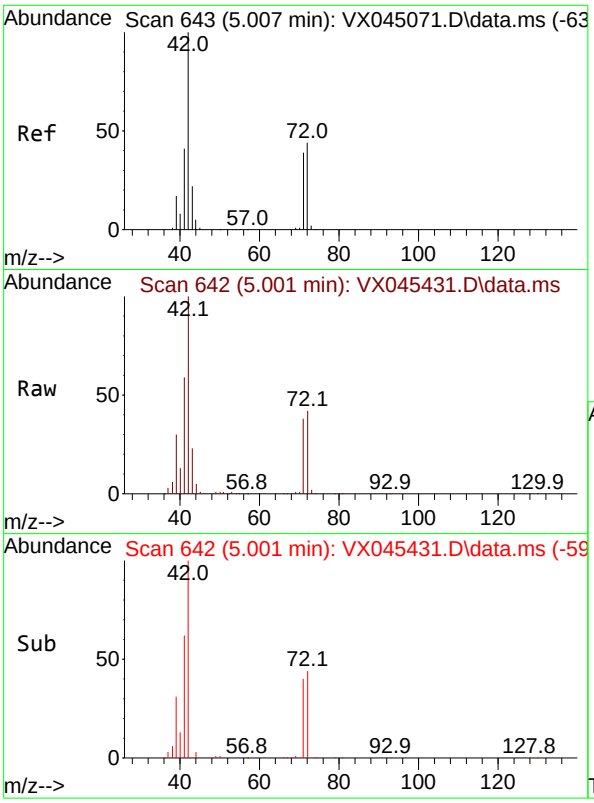


#28
Bromochloromethane
Concen: 49.141 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX045431.D
Acq: 25 Mar 2025 11:31

Tgt Ion: 49 Resp: 48619

Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.4
130	68.3	56.1	84.1





#29
Tetrahydrofuran
Concen: 250.594 ug/l
RT: 5.001 min Scan# 64
Delta R.T. -0.006 min
Lab File: VX045431.D
Acq: 25 Mar 2025 11:31

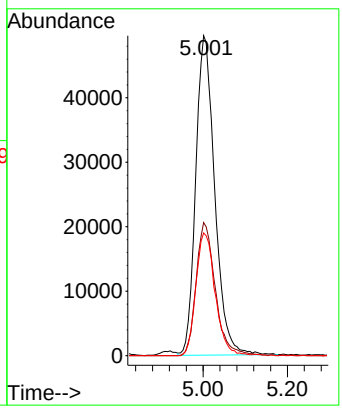
Tgt Ion: 42 Resp: 15565

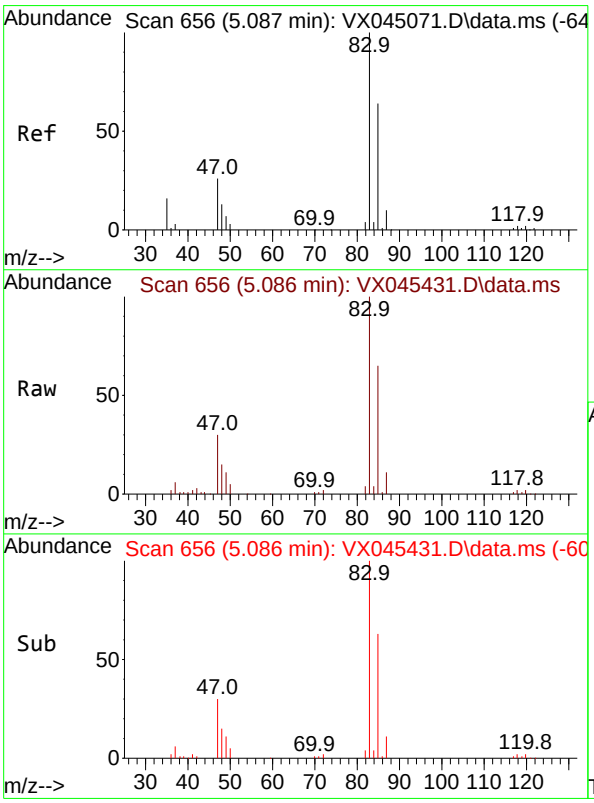
Ion	Ratio	Lower	Upper
42	100		
72	42.1	34.1	51.1
71	38.9	31.4	47.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

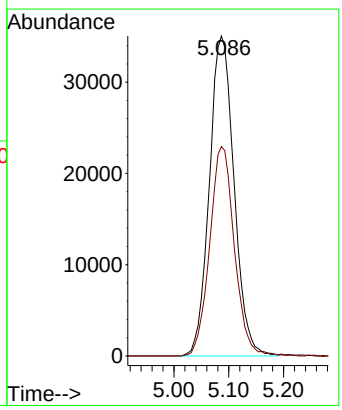


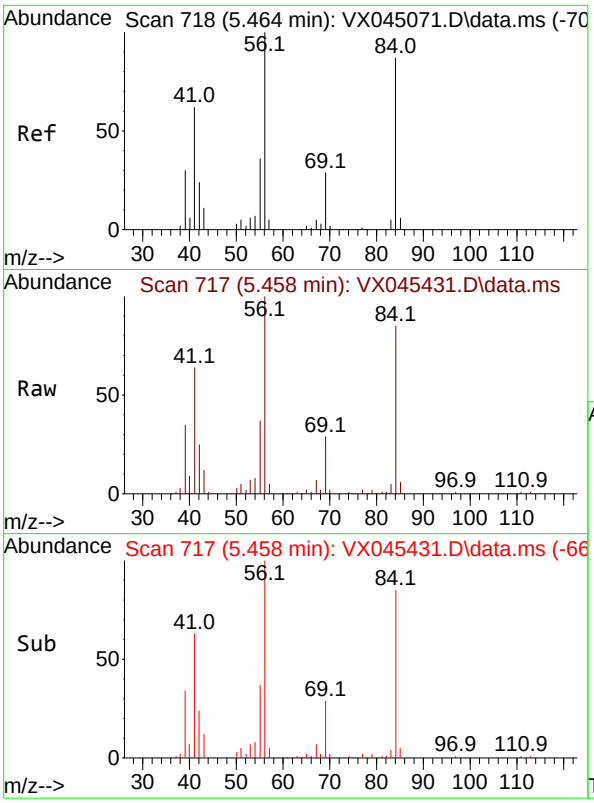


#30
Chloroform
Concen: 53.166 ug/l
RT: 5.086 min Scan# 656
Delta R.T. -0.000 min
Lab File: VX045431.D
Acq: 25 Mar 2025 11:31

Tgt Ion: 83 Resp: 109652

Ion	Ratio	Lower	Upper
83	100		
85	65.4	51.4	77.2

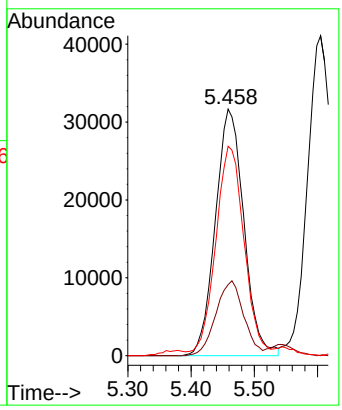




#31
Cyclohexane
Concen: 54.912 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045431.D
Acq: 25 Mar 2025 11:31

Tgt Ion: 56 Resp: 9894

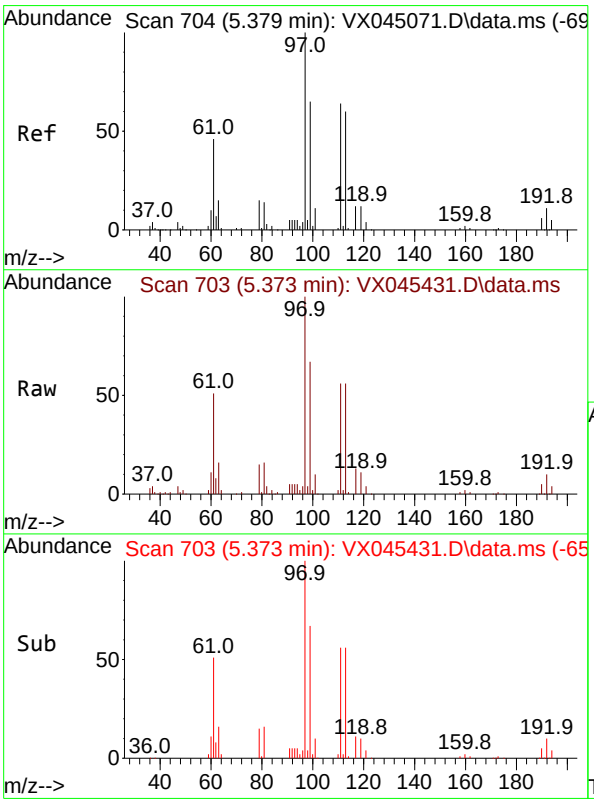
Ion	Ratio	Lower	Upper
56	100		
69	28.8	23.4	35.2
84	82.8	69.4	104.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

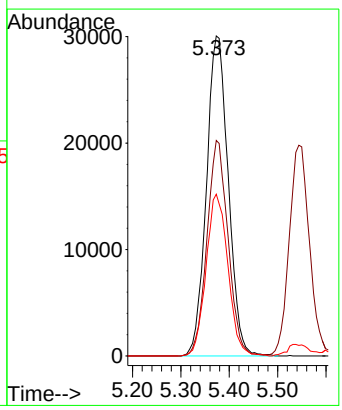
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

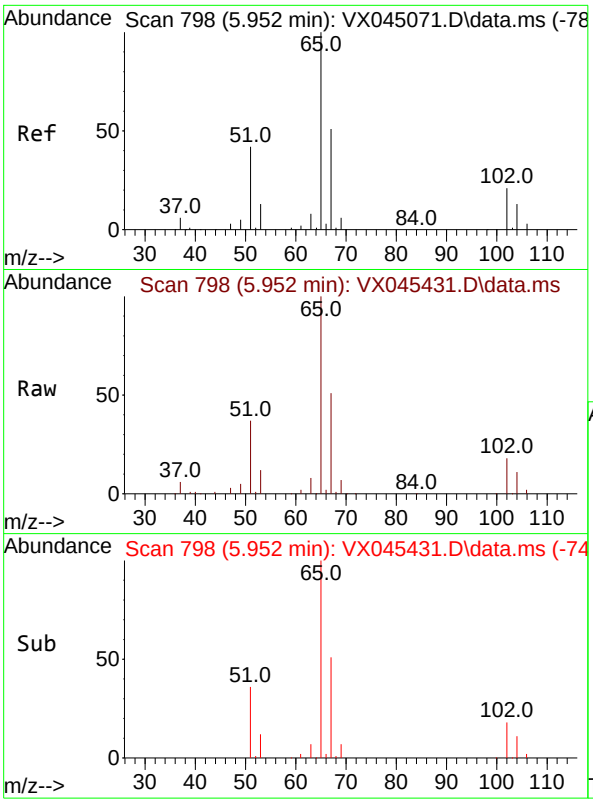


#32
1,1,1-Trichloroethane
Concen: 56.559 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.006 min
Lab File: VX045431.D
Acq: 25 Mar 2025 11:31

Tgt Ion: 97 Resp: 94214

Ion	Ratio	Lower	Upper
97	100		
99	65.0	51.6	77.4
61	50.8	38.4	57.6

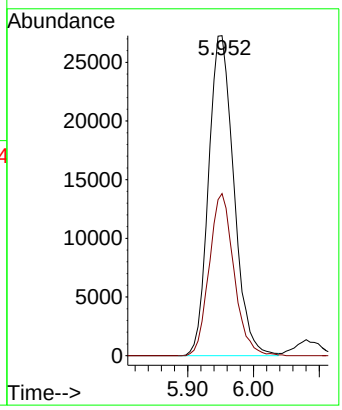




#33
1,2-Dichloroethane-d4
Concen: 55.062 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045431.D
Acq: 25 Mar 2025 11:31

Tgt Ion: 65 Resp: 7292

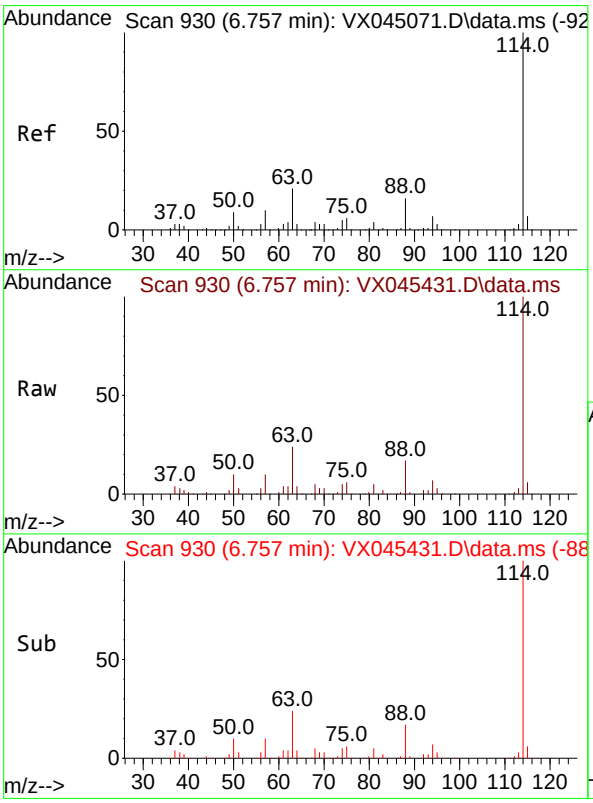
Ion	Ratio	Lower	Upper
65	100		
67	49.7	0.0	106.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

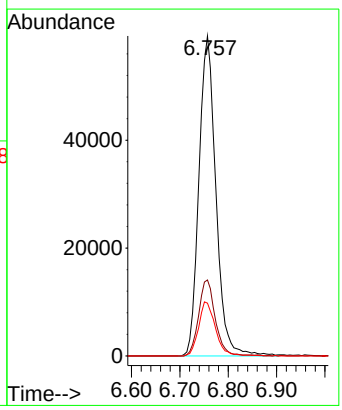
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

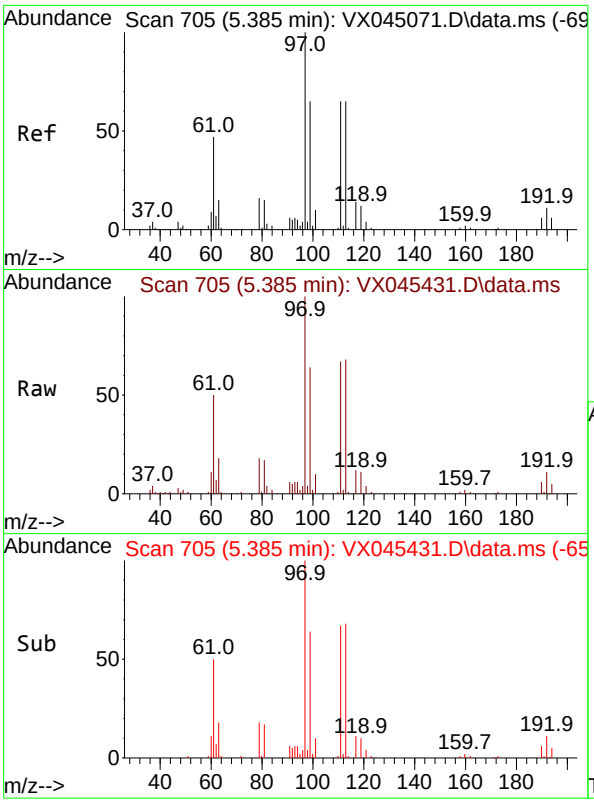


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX045431.D
Acq: 25 Mar 2025 11:31

Tgt Ion:114 Resp: 144945

Ion	Ratio	Lower	Upper
114	100		
63	23.7	0.0	41.8
88	16.5	0.0	32.8

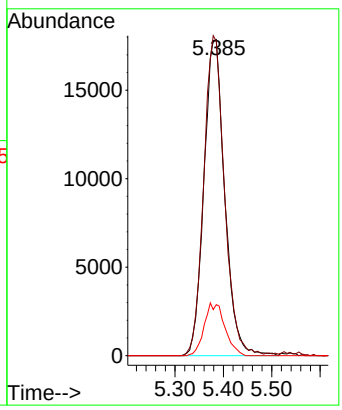




#35
Dibromofluoromethane
Concen: 54.975 ug/l
RT: 5.385 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045431.D
Acq: 25 Mar 2025 11:31

Tgt Ion:113 Resp: 5328

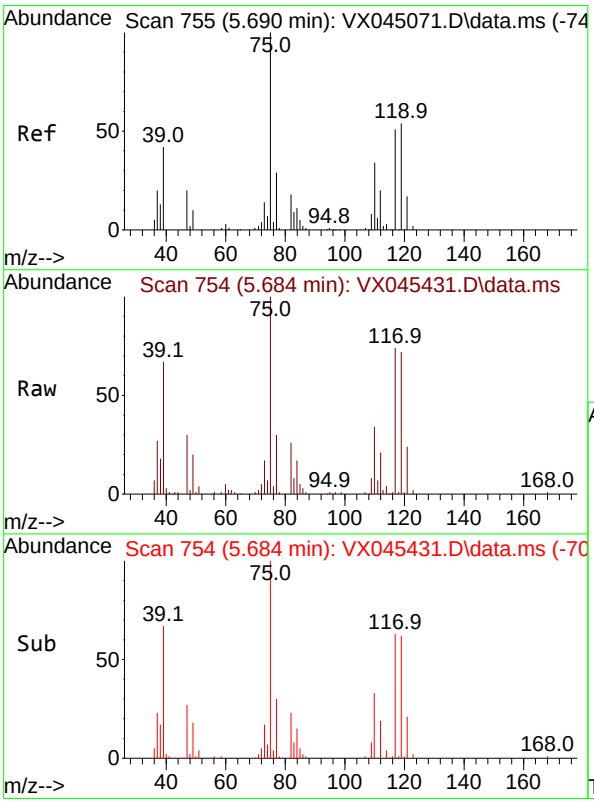
Ion	Ratio	Lower	Upper
113	100		
111	100.8	81.8	122.6
192	16.6	14.3	21.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

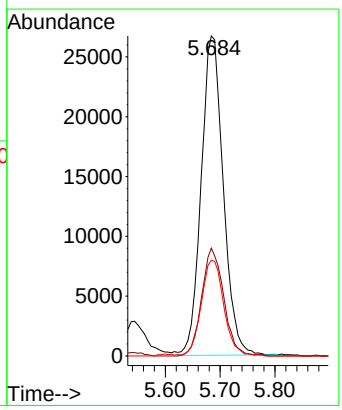
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

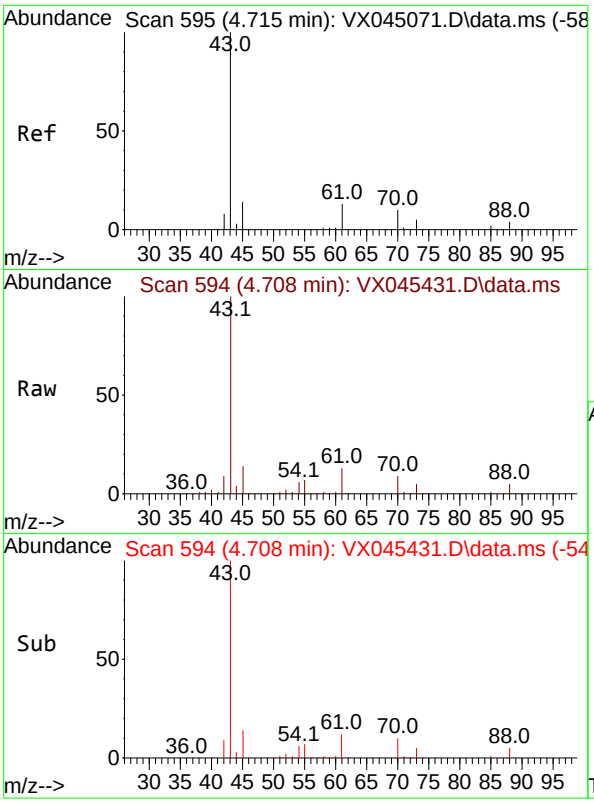


#36
1,1-Dichloropropene
Concen: 56.139 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX045431.D
Acq: 25 Mar 2025 11:31

Tgt Ion: 75 Resp: 74619

Ion	Ratio	Lower	Upper
75	100		
110	33.5	16.9	50.6
77	30.7	24.5	36.7

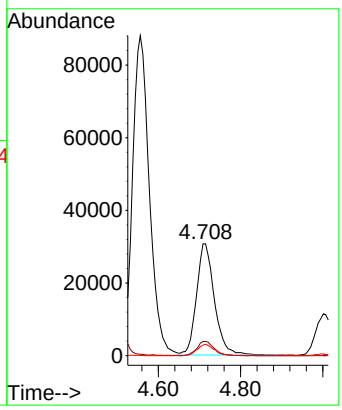




#37
Ethyl Acetate
Concen: 54.162 ug/l
RT: 4.708 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX045431.D
Acq: 25 Mar 2025 11:31

Tgt Ion: 43 Resp: 9276

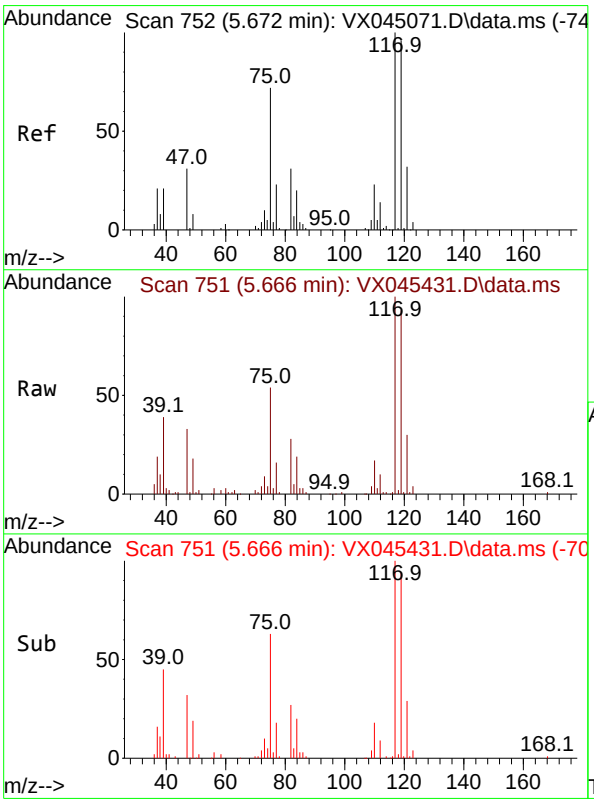
Ion	Ratio	Lower	Upper
43	100		
61	12.4	10.8	16.2
70	9.6	7.7	11.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

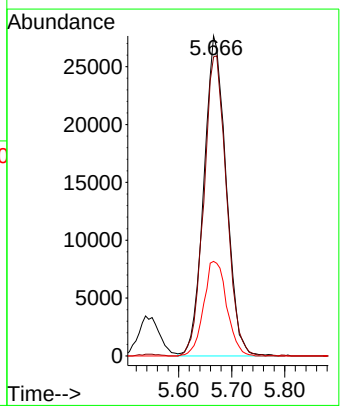
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

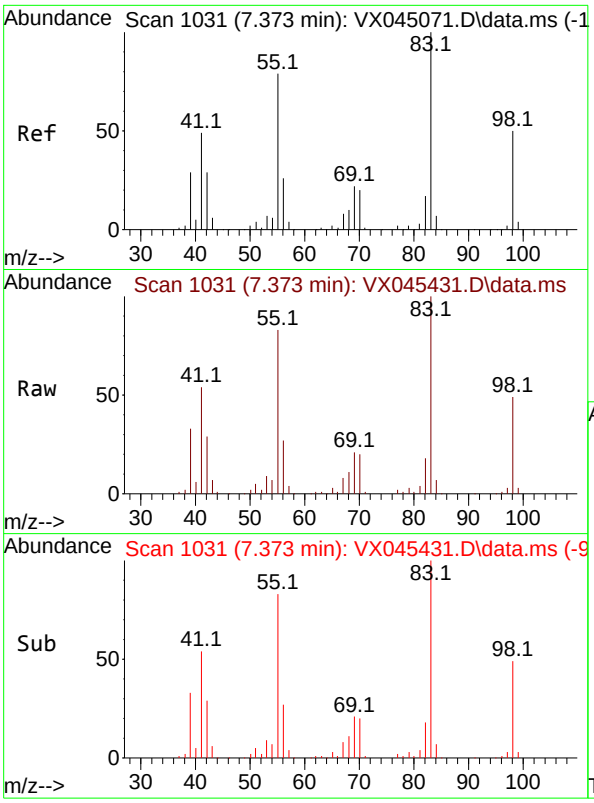


#38
Carbon Tetrachloride
Concen: 59.885 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX045431.D
Acq: 25 Mar 2025 11:31

Tgt Ion:117 Resp: 80811

Ion	Ratio	Lower	Upper
117	100		
119	93.4	76.7	115.1
121	29.6	25.5	38.3

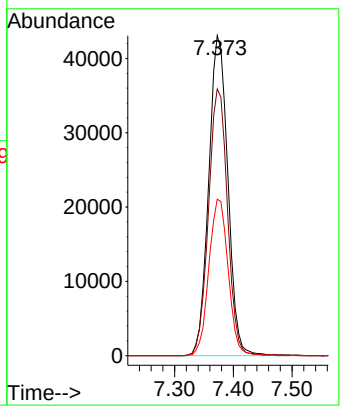




#39
Methylcyclohexane
Concen: 61.319 ug/l
RT: 7.373 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045431.D
Acq: 25 Mar 2025 11:31

Tgt Ion: 83 Resp: 9766

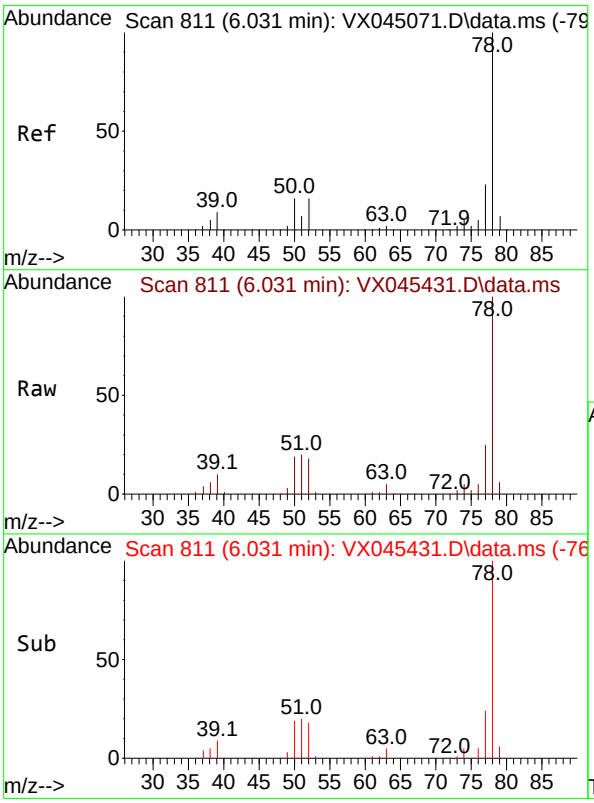
Ion	Ratio	Lower	Upper
83	100		
55	83.3	63.0	94.4
98	48.9	39.7	59.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

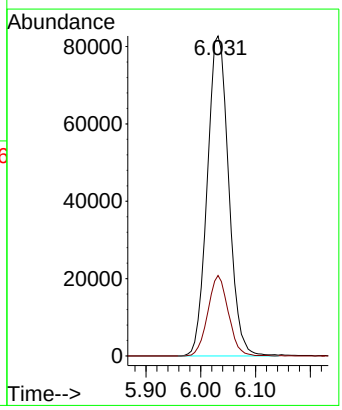
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

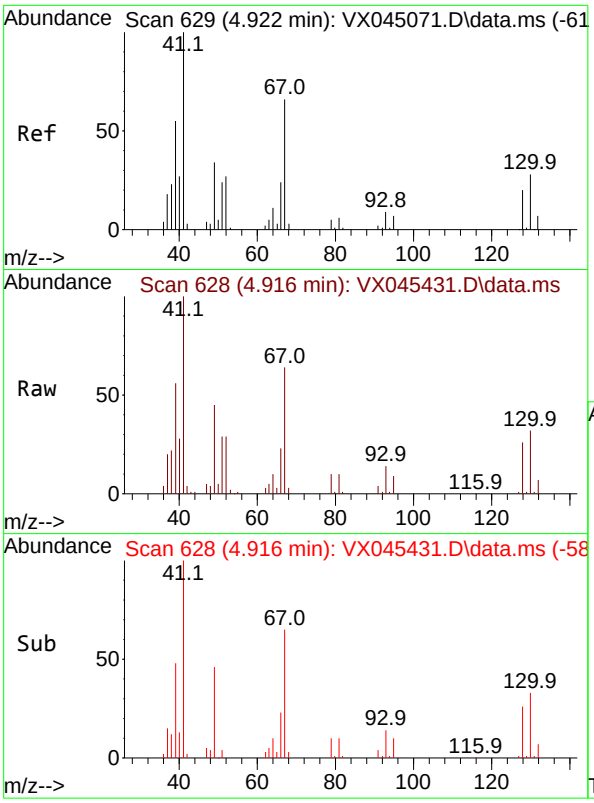


#40
Benzene
Concen: 53.428 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX045431.D
Acq: 25 Mar 2025 11:31

Tgt Ion: 78 Resp: 224248

Ion	Ratio	Lower	Upper
78	100		
77	25.2	18.8	28.2

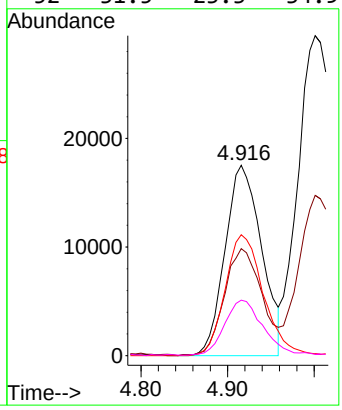




#41
Methacrylonitrile
Concen: 55.689 ug/l
RT: 4.916 min Scan# 6
Delta R.T. -0.006 min
Lab File: VX045431.D
Acq: 25 Mar 2025 11:31

Tgt Ion: 41 Resp: 5157

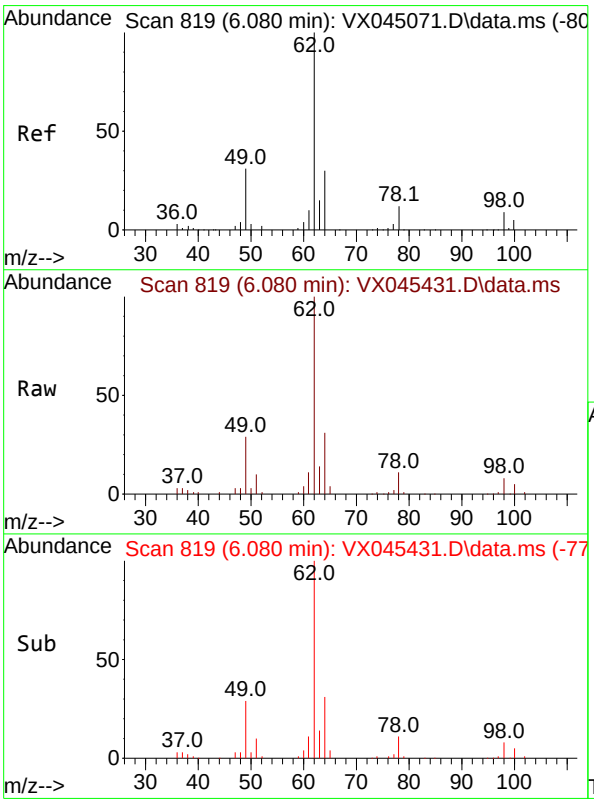
Ion	Ratio	Lower	Upper
41	100		
39	57.7	44.6	67.0
67	66.2	53.9	80.9
52	31.5	23.3	34.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

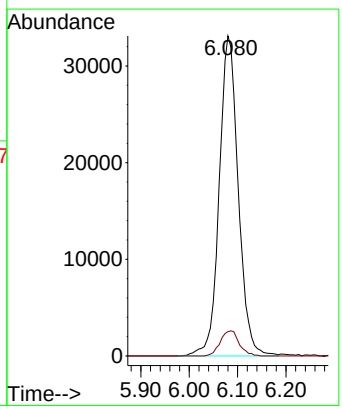
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

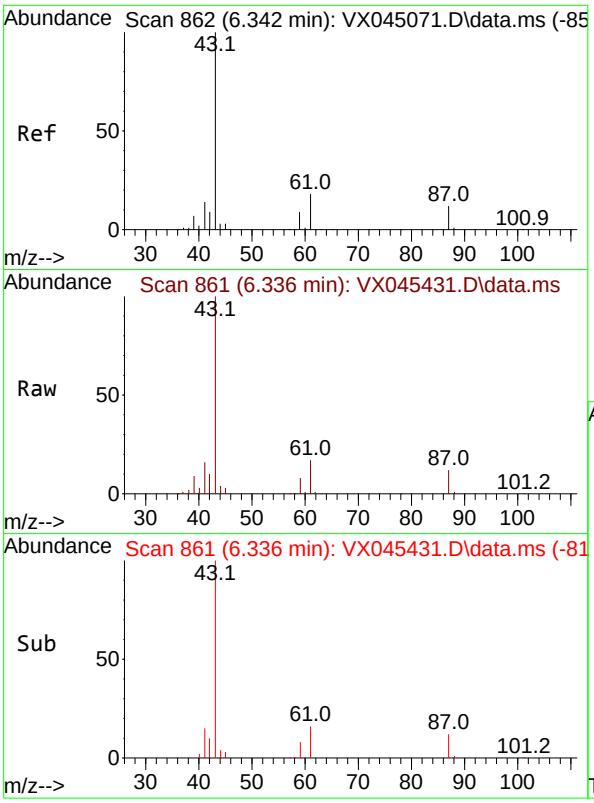


#42
1,2-Dichloroethane
Concen: 59.882 ug/l
RT: 6.080 min Scan# 819
Delta R.T. -0.000 min
Lab File: VX045431.D
Acq: 25 Mar 2025 11:31

Tgt Ion: 62 Resp: 90507

Ion	Ratio	Lower	Upper
62	100		
98	7.8	0.0	18.2





#43
Isopropyl Acetate
Concen: 57.673 ug/l
RT: 6.336 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX045431.D
Acq: 25 Mar 2025 11:31

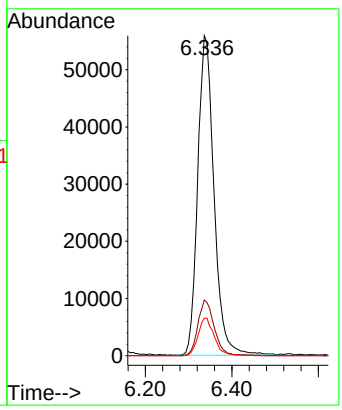
Tgt Ion: 43 Resp: 14606

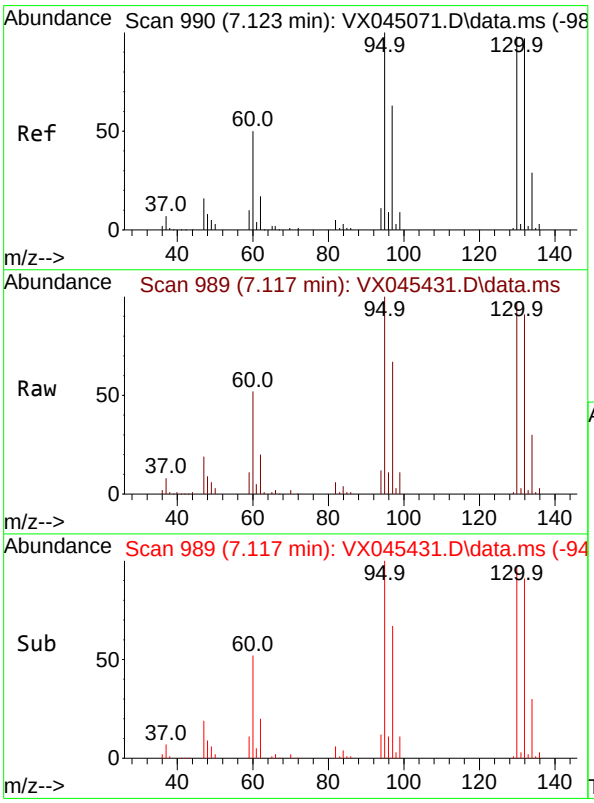
Ion	Ratio	Lower	Upper
43	100		
61	17.4	14.9	22.3
87	11.6	9.4	14.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

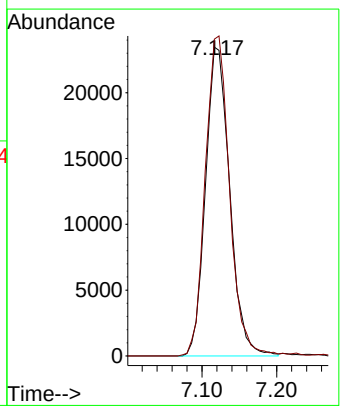


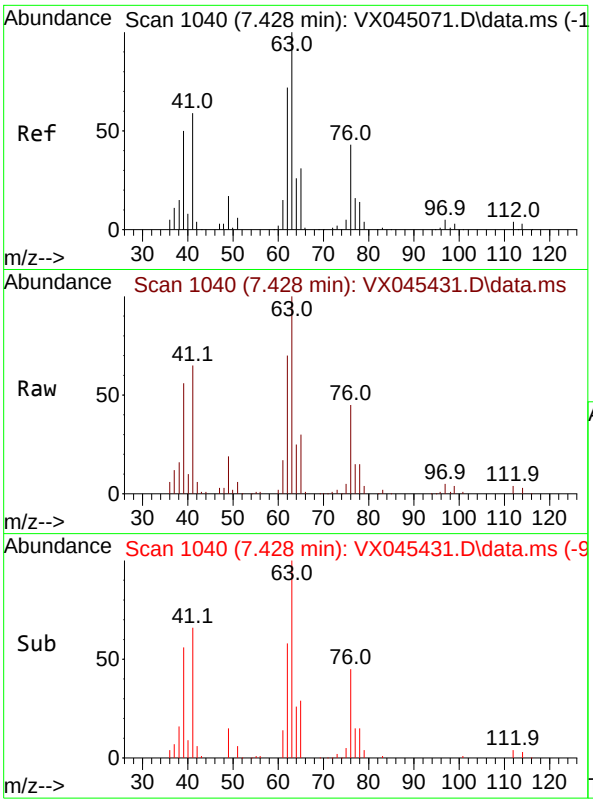


#44
Trichloroethene
Concen: 53.617 ug/l
RT: 7.117 min Scan# 989
Delta R.T. -0.006 min
Lab File: VX045431.D
Acq: 25 Mar 2025 11:31

Tgt Ion:130 Resp: 52842

Ion	Ratio	Lower	Upper
130	100		
95	102.6	0.0	205.0

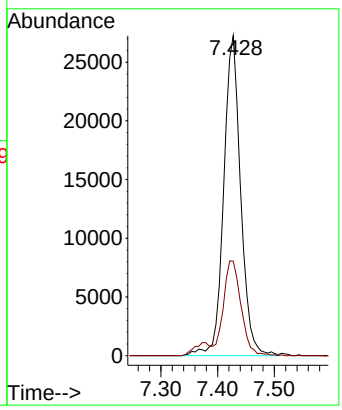




#45
1,2-Dichloropropane
Concen: 52.440 ug/l
RT: 7.428 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045431.D
Acq: 25 Mar 2025 11:31

Tgt Ion: 63 Resp: 5659

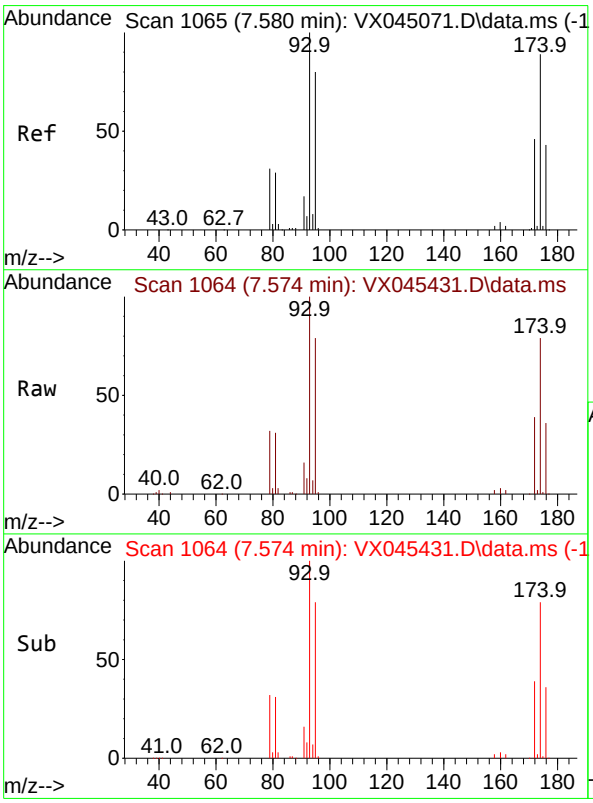
Ion	Ratio	Lower	Upper
63	100		
65	29.5	24.7	37.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

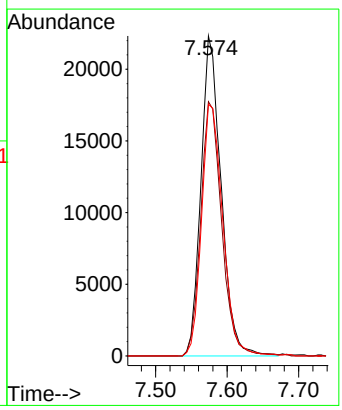
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

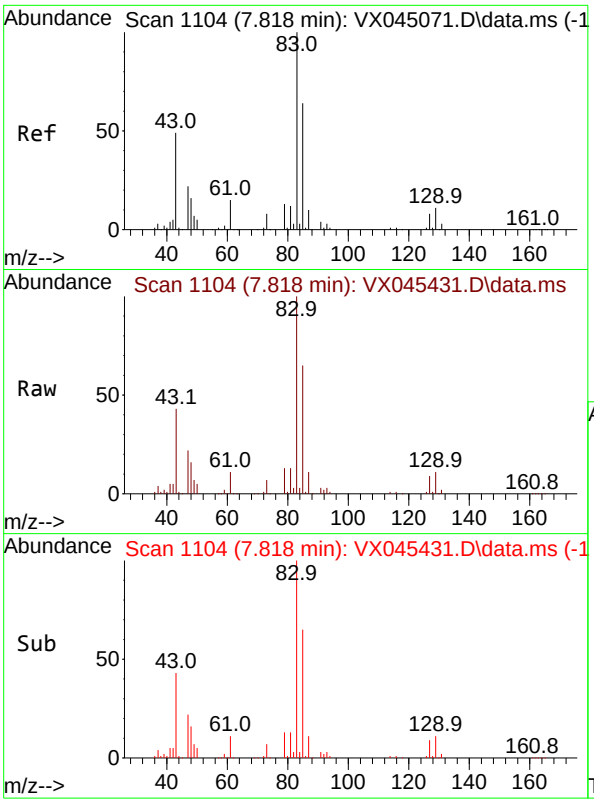


#46
Dibromomethane
Concen: 57.458 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. -0.006 min
Lab File: VX045431.D
Acq: 25 Mar 2025 11:31

Tgt Ion: 93 Resp: 43826

Ion	Ratio	Lower	Upper
93	100		
95	82.5	65.8	98.8
174	82.8	72.2	108.2

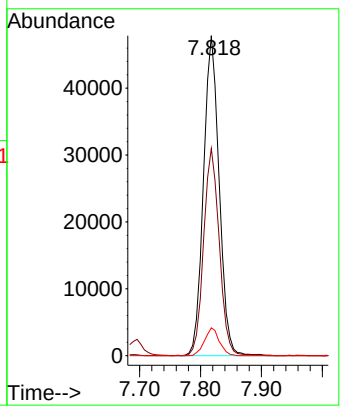




#47
Bromodichloromethane
Concen: 57.282 ug/l
RT: 7.818 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045431.D
Acq: 25 Mar 2025 11:31

Tgt Ion: 83 Resp: 8570

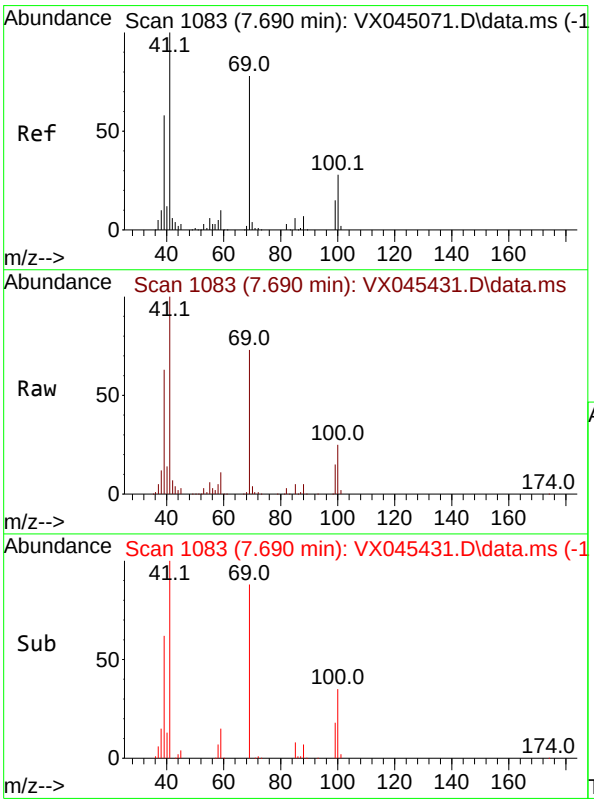
Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.1	76.7
127	8.7	6.4	9.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

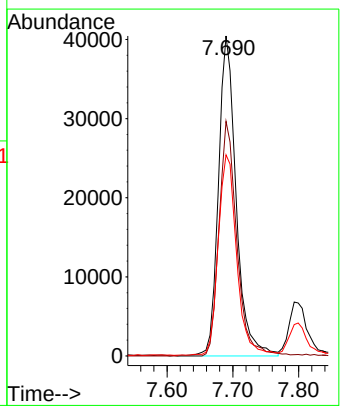
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

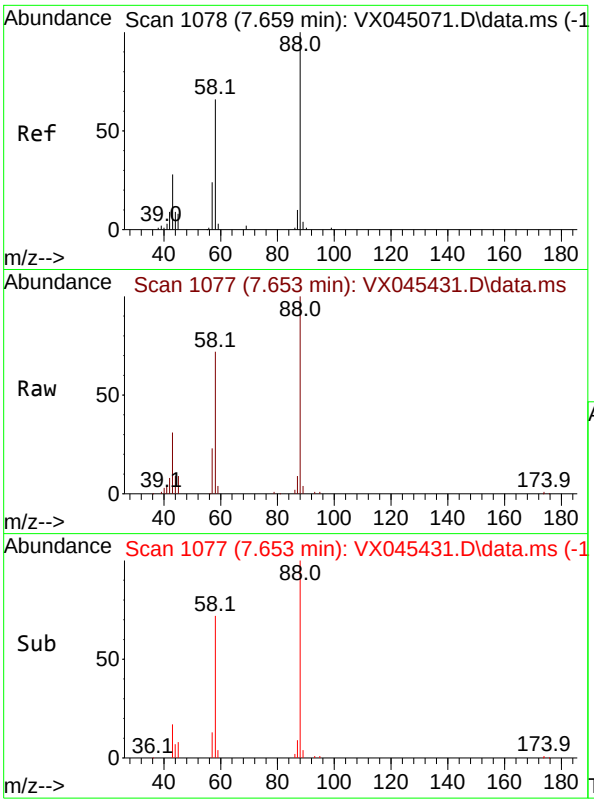


#48
Methyl methacrylate
Concen: 59.672 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. -0.000 min
Lab File: VX045431.D
Acq: 25 Mar 2025 11:31

Tgt Ion: 41 Resp: 75819

Ion	Ratio	Lower	Upper
41	100		
69	73.6	63.0	94.6
39	65.3	47.5	71.3





#49
1,4-Dioxane
Concen: 1056.380 ug/l
RT: 7.653 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045431.D
Acq: 25 Mar 2025 11:31

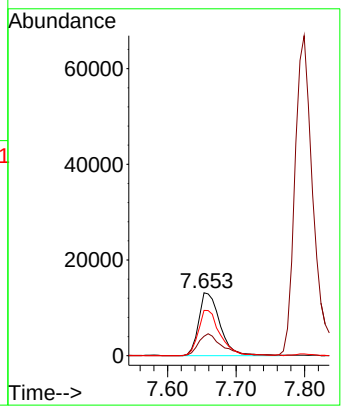
Tgt Ion: 88 Resp: 2831

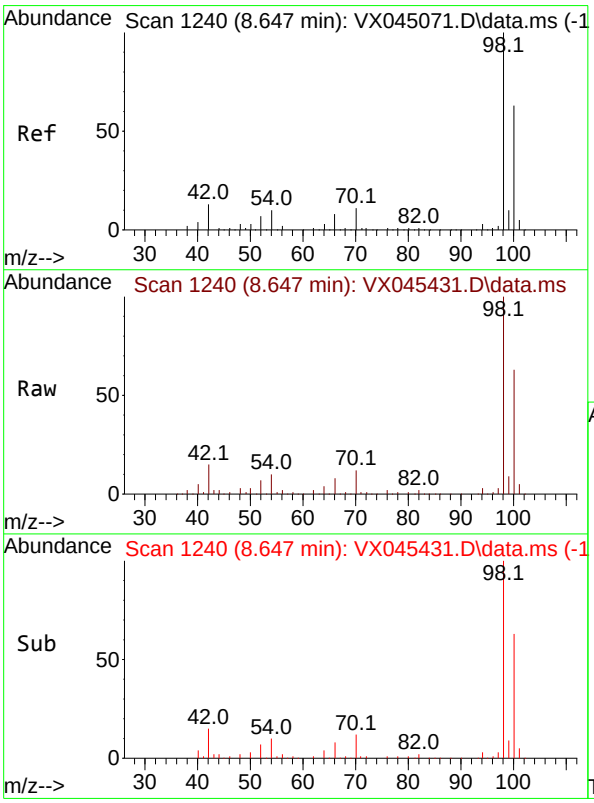
Ion	Ratio	Lower	Upper
88	100		
43	39.5	28.7	43.1
58	74.1	55.8	83.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

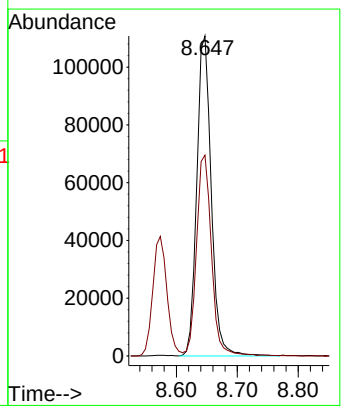


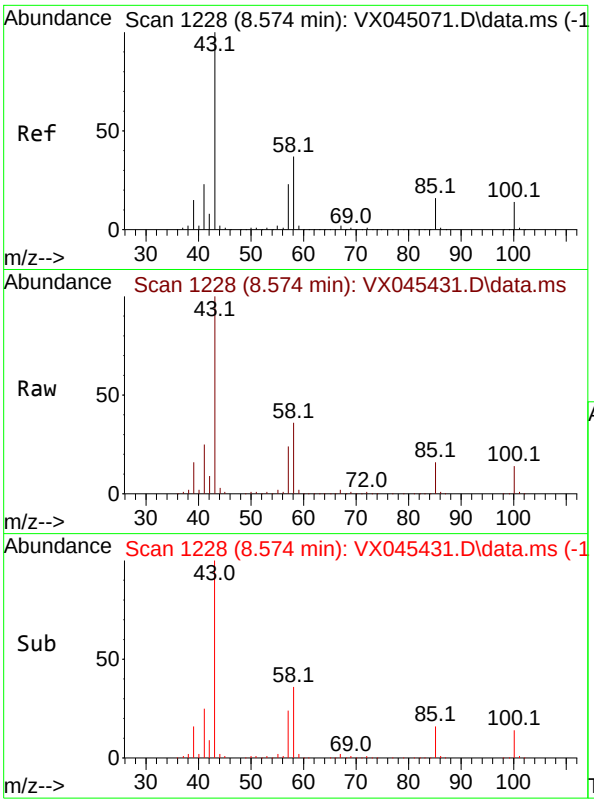


#50
Toluene-d8
Concen: 51.975 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045431.D
Acq: 25 Mar 2025 11:31

Tgt Ion: 98 Resp: 182626

Ion	Ratio	Lower	Upper
98	100		
100	64.6	52.0	78.0

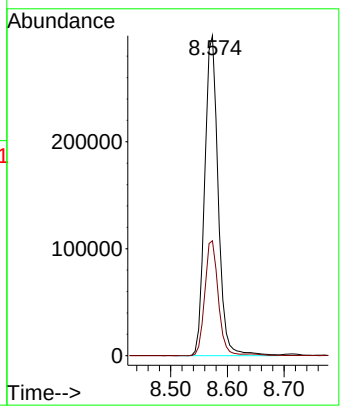




#51
4-Methyl-2-Pentanone
Concen: 290.090 ug/l
RT: 8.574 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045431.D
Acq: 25 Mar 2025 11:31

Tgt Ion: 43 Resp: 49330

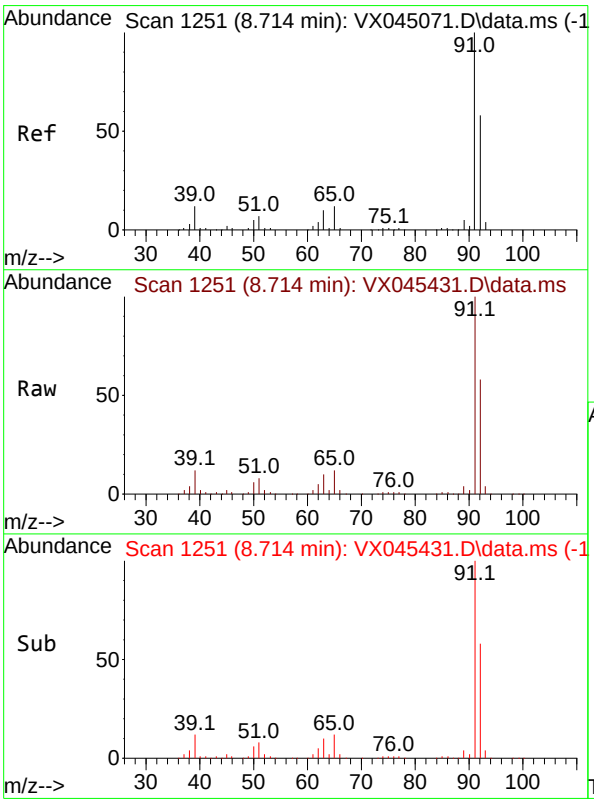
Ion	Ratio	Lower	Upper
43	100		
58	35.8	29.2	43.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

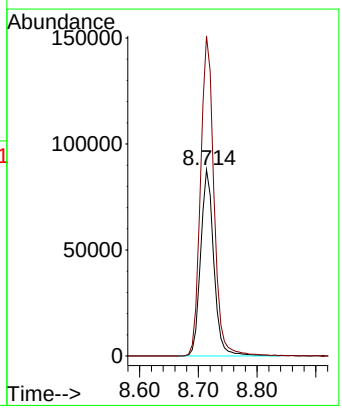
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

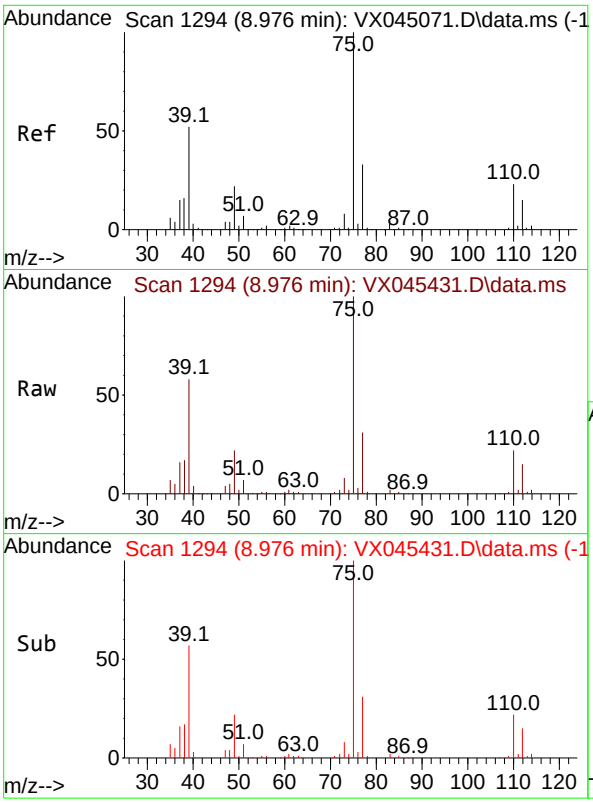


#52
Toluene
Concen: 55.590 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX045431.D
Acq: 25 Mar 2025 11:31

Tgt Ion: 92 Resp: 136895

Ion	Ratio	Lower	Upper
92	100		
91	175.3	138.9	208.3

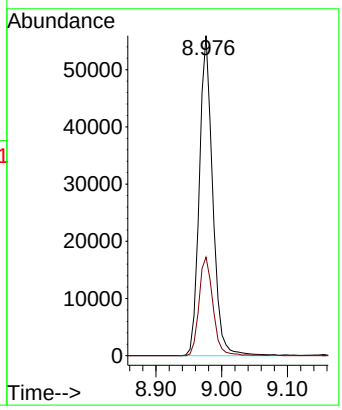




#53
t-1,3-Dichloropropene
Concen: 63.348 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045431.D
Acq: 25 Mar 2025 11:31

Tgt Ion: 75 Resp: 7923

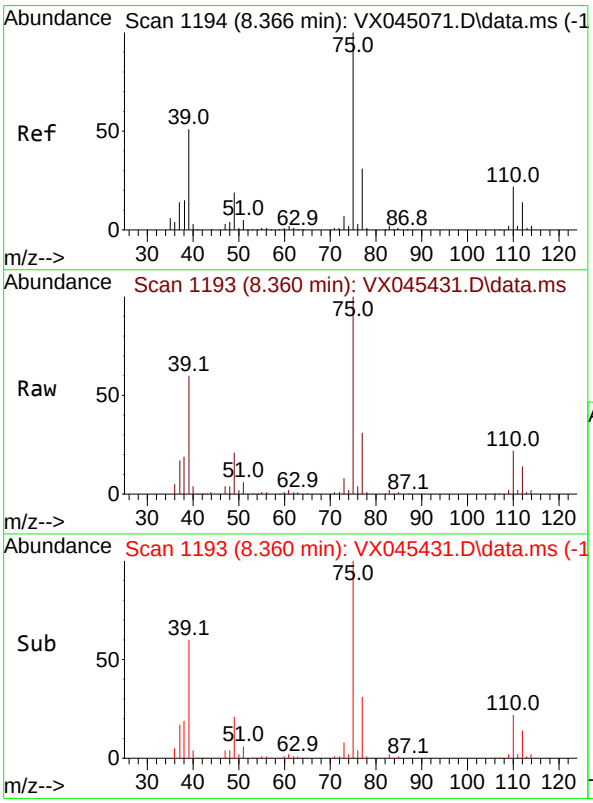
Ion	Ratio	Lower	Upper
75	100		
77	30.8	26.5	39.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

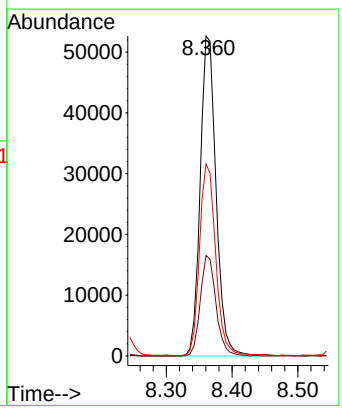
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

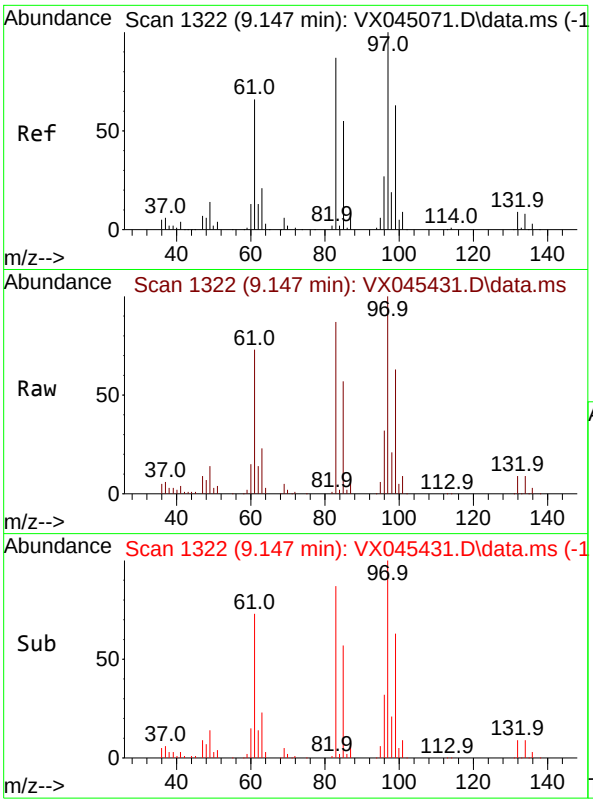


#54
cis-1,3-Dichloropropene
Concen: 60.662 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. -0.006 min
Lab File: VX045431.D
Acq: 25 Mar 2025 11:31

Tgt Ion: 75 Resp: 88476

Ion	Ratio	Lower	Upper
75	100		
77	31.4	24.7	37.1
39	59.9	40.7	61.1

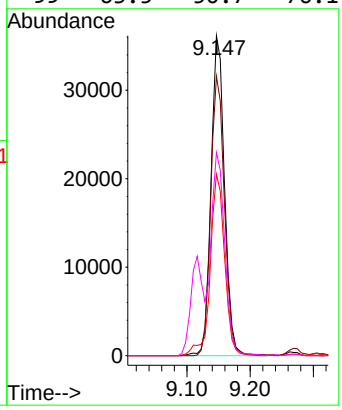




#55
1,1,2-Trichloroethane
Concen: 52.847 ug/l
RT: 9.147 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045431.D
Acq: 25 Mar 2025 11:31

Tgt Ion: 97 Resp: 5357

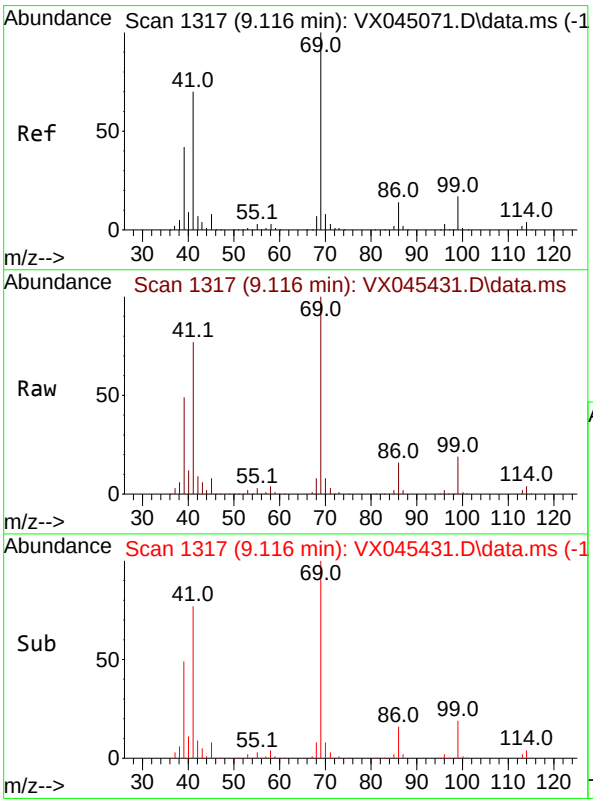
Ion	Ratio	Lower	Upper
97	100		
83	87.3	69.4	104.2
85	56.7	44.1	66.1
99	63.5	50.7	76.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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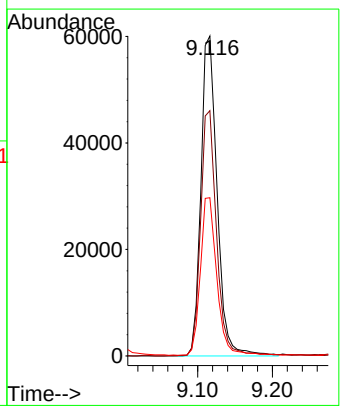
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

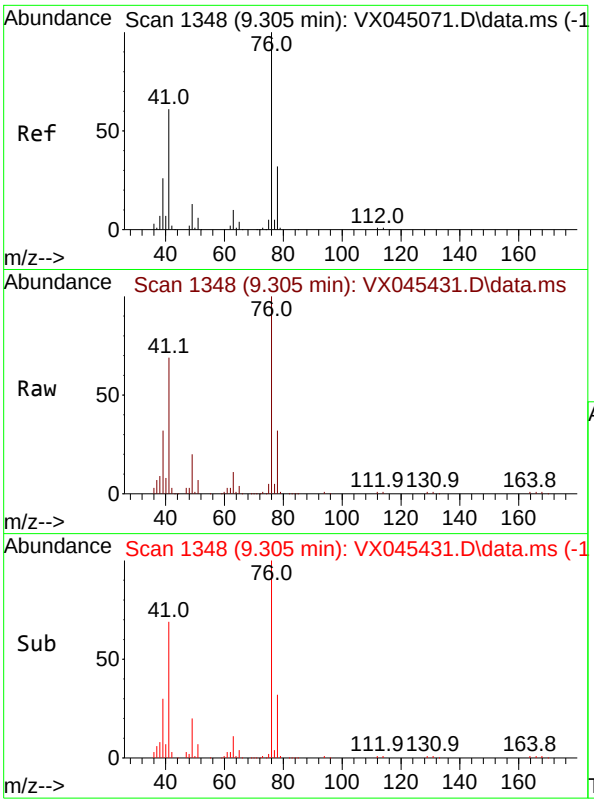


#56
Ethyl methacrylate
Concen: 58.682 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX045431.D
Acq: 25 Mar 2025 11:31

Tgt Ion: 69 Resp: 90431

Ion	Ratio	Lower	Upper
69	100		
41	76.5	57.0	85.4
39	50.1	34.2	51.4

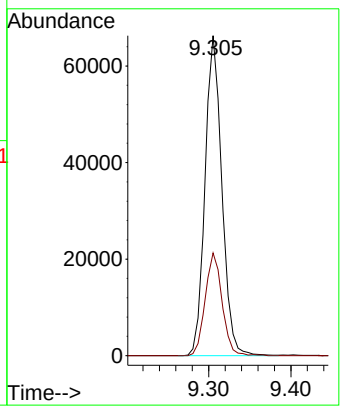




#57
1,3-Dichloropropane
Concen: 53.749 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045431.D
Acq: 25 Mar 2025 11:31

Tgt Ion: 76 Resp: 9429

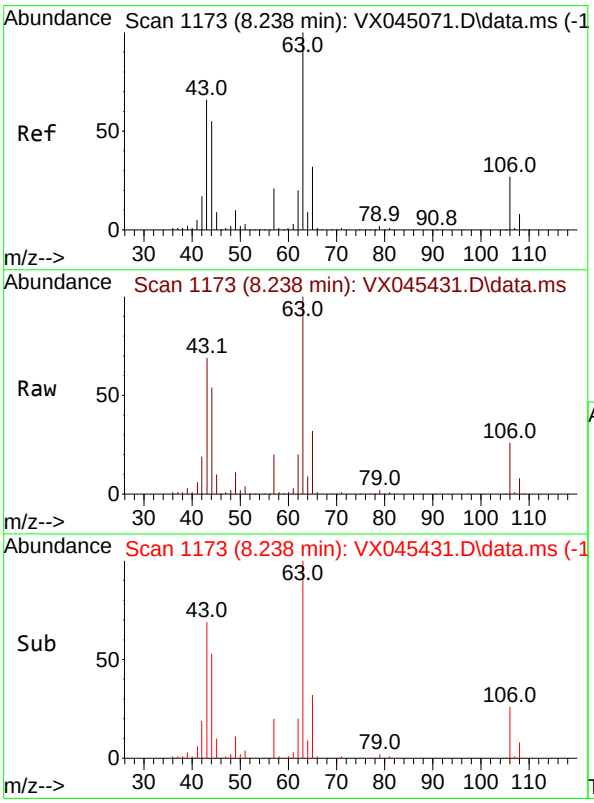
Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.5	38.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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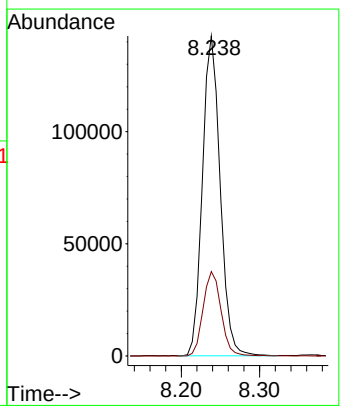
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

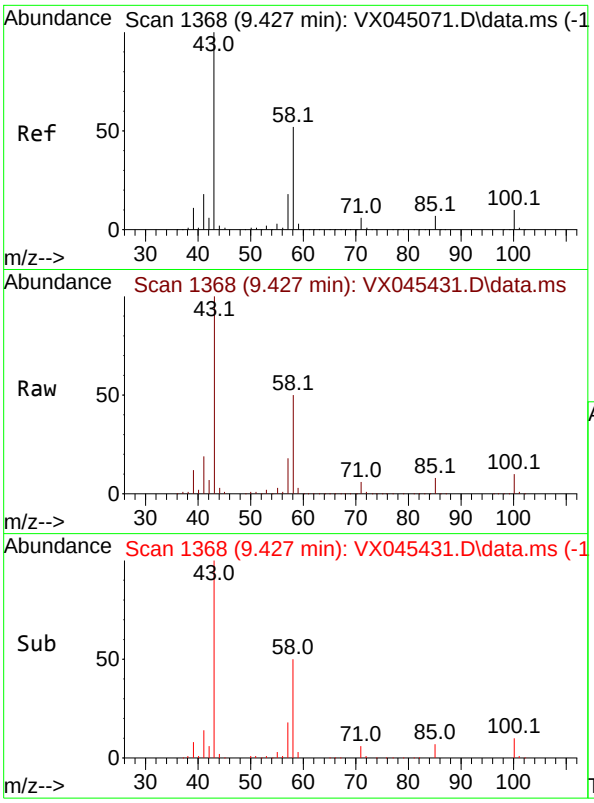


#58
2-Chloroethyl Vinyl ether
Concen: 298.307 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX045431.D
Acq: 25 Mar 2025 11:31

Tgt Ion: 63 Resp: 224245

Ion	Ratio	Lower	Upper
63	100		
106	26.7	21.5	32.3

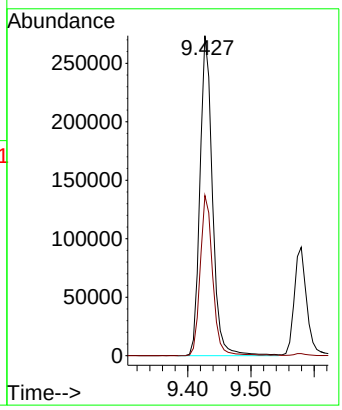




#59
2-Hexanone
Concen: 305.413 ug/l
RT: 9.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045431.D
Acq: 25 Mar 2025 11:31

Tgt Ion: 43 Resp: 37629

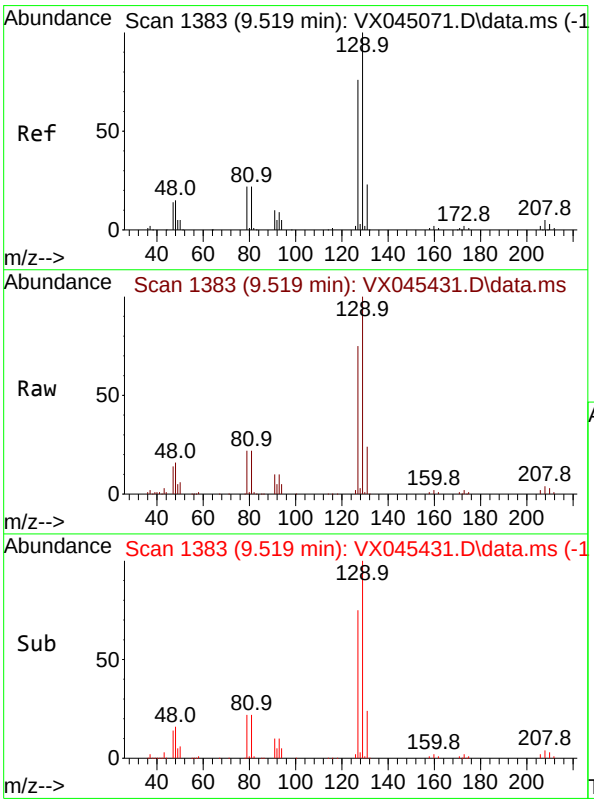
Ion	Ratio	Lower	Upper
43	100		
58	50.1	25.9	77.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

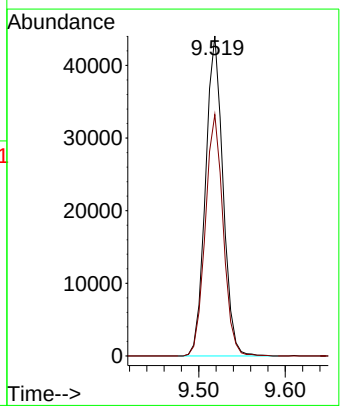
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

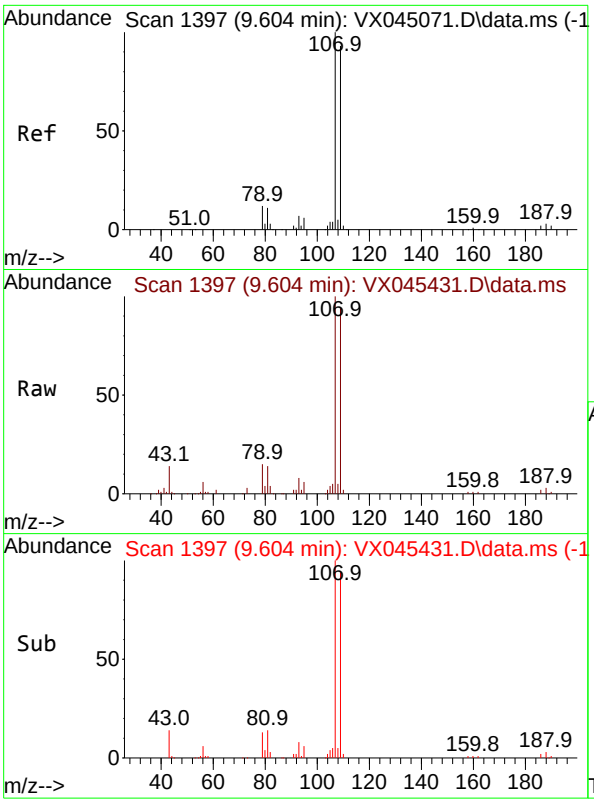


#60
Dibromochloromethane
Concen: 58.159 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX045431.D
Acq: 25 Mar 2025 11:31

Tgt Ion:129 Resp: 61649

Ion	Ratio	Lower	Upper
129	100		
127	77.1	38.5	115.5

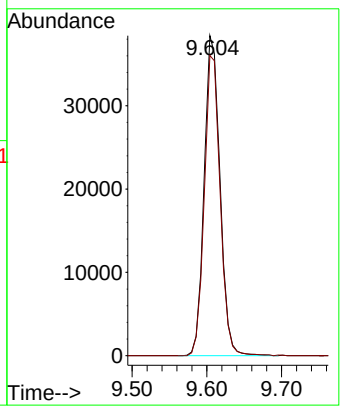




#61
1,2-Dibromoethane
Concen: 55.824 ug/l
RT: 9.604 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045431.D
Acq: 25 Mar 2025 11:31

Tgt Ion:107 Resp: 5649

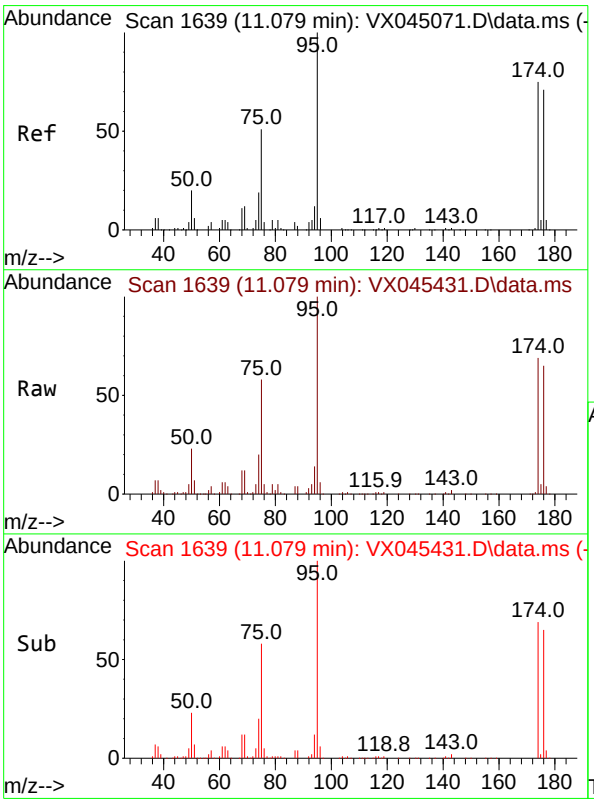
Ion	Ratio	Lower	Upper
107	100		
109	93.8	76.1	114.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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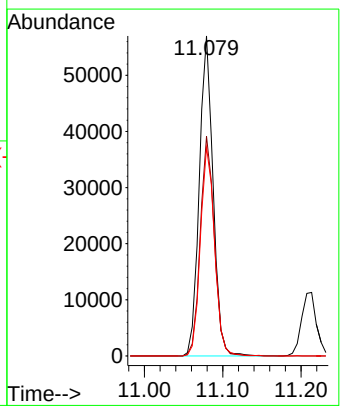
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

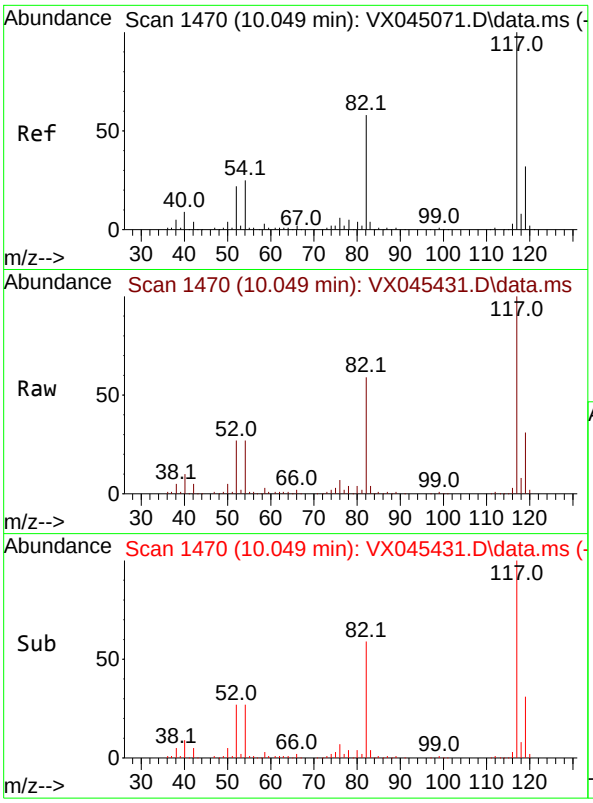


#62
4-Bromofluorobenzene
Concen: 59.846 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045431.D
Acq: 25 Mar 2025 11:31

Tgt Ion: 95 Resp: 69681

Ion	Ratio	Lower	Upper
95	100		
174	69.8	0.0	148.2
176	66.9	0.0	141.4

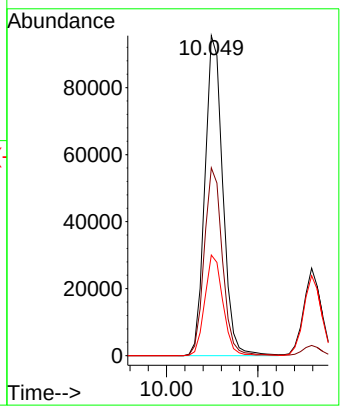




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045431.D
Acq: 25 Mar 2025 11:31

Tgt Ion:117 Resp: 12957

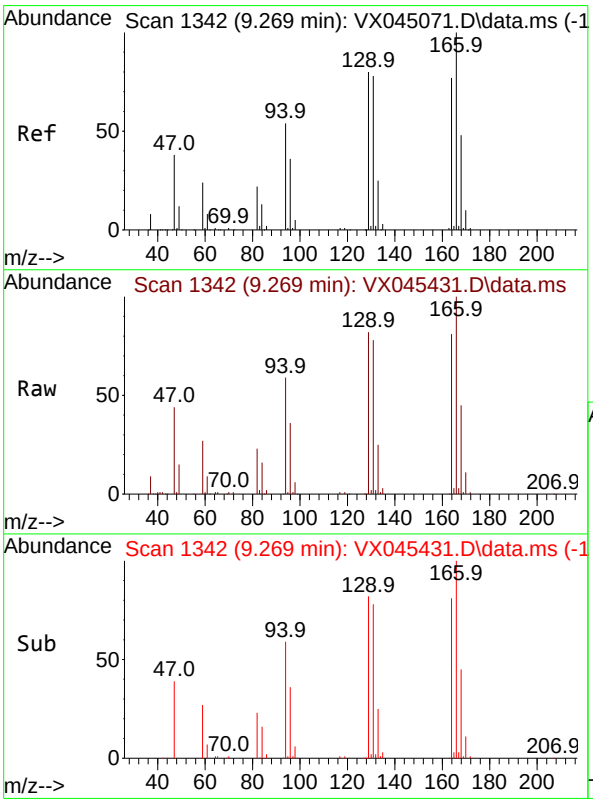
Ion	Ratio	Lower	Upper
117	100		
82	58.7	46.3	69.5
119	31.5	25.7	38.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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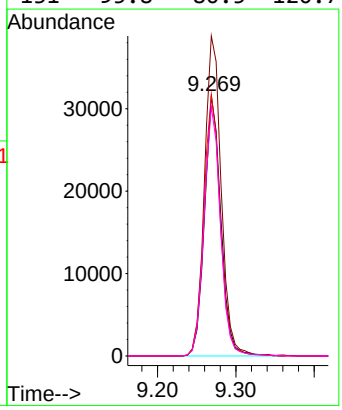
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

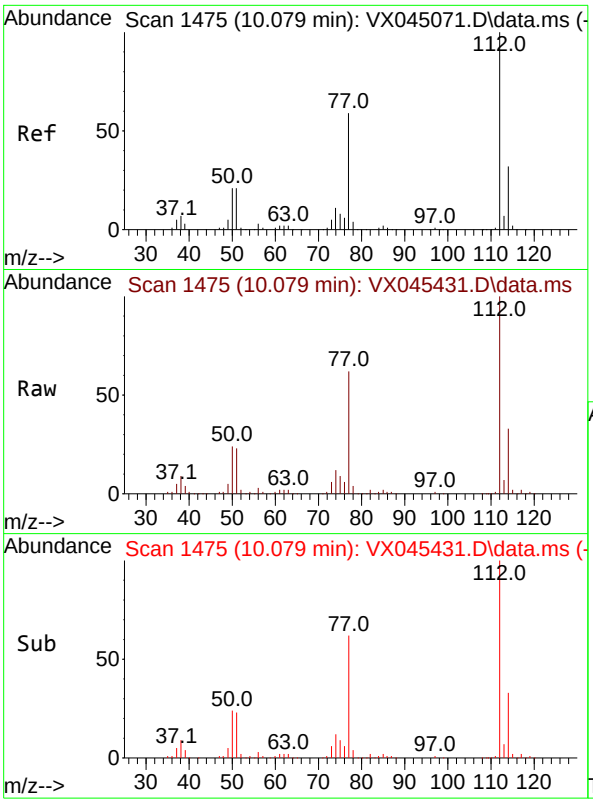


#64
Tetrachloroethene
Concen: 55.192 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX045431.D
Acq: 25 Mar 2025 11:31

Tgt Ion:164 Resp: 45803

Ion	Ratio	Lower	Upper
164	100		
166	123.0	103.6	155.4
129	100.5	82.7	124.1
131	95.8	80.5	120.7

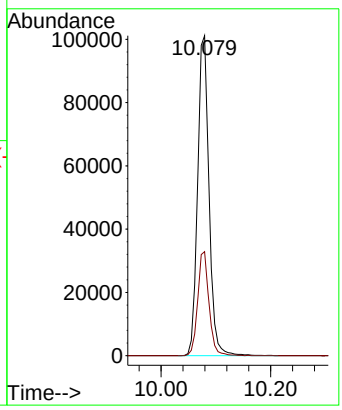




#65
Chlorobenzene
Concen: 53.387 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045431.D
Acq: 25 Mar 2025 11:31

Tgt Ion:112 Resp: 14637

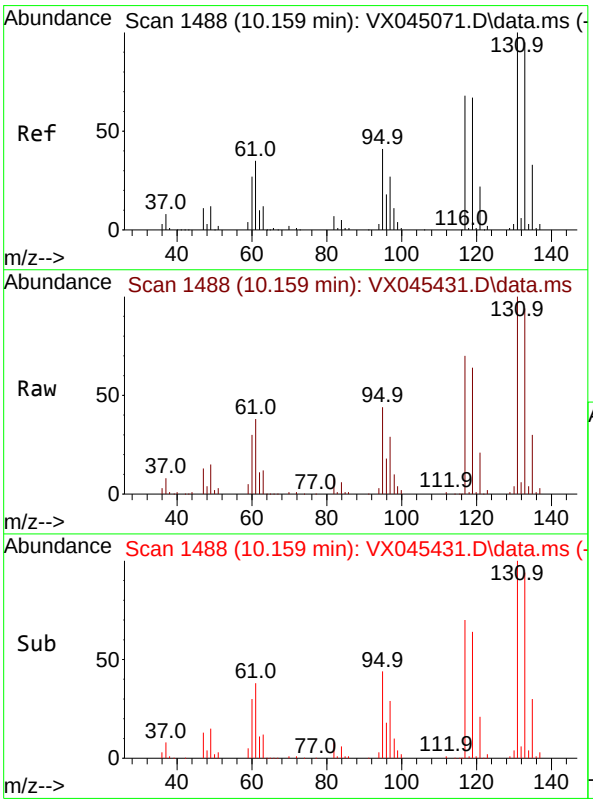
Ion	Ratio	Lower	Upper
112	100		
114	32.5	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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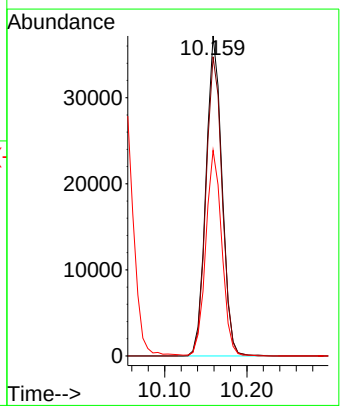
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

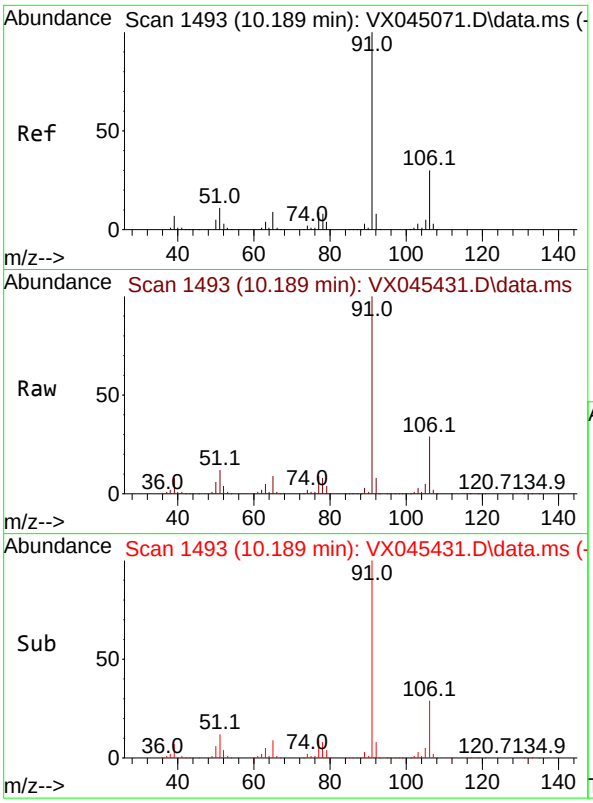


#66
1,1,1,2-Tetrachloroethane
Concen: 55.062 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX045431.D
Acq: 25 Mar 2025 11:31

Tgt Ion:131 Resp: 50276

Ion	Ratio	Lower	Upper
131	100		
133	95.0	48.6	145.9
119	64.2	33.9	101.7





#67
Ethyl Benzene
Concen: 56.096 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045431.D
Acq: 25 Mar 2025 11:31

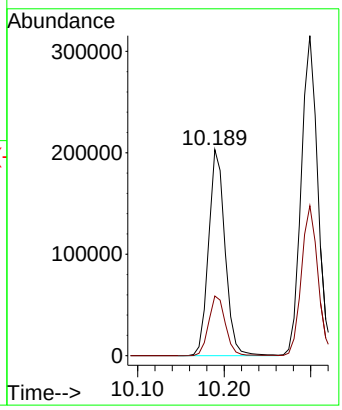
Tgt Ion: 91 Resp: 26799

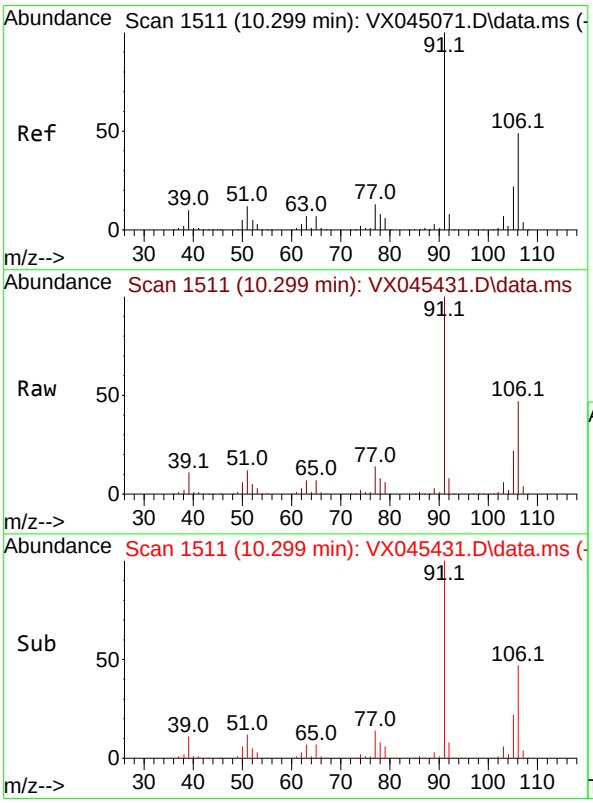
Ion	Ratio	Lower	Upper
91	100		
106	29.0	23.9	35.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

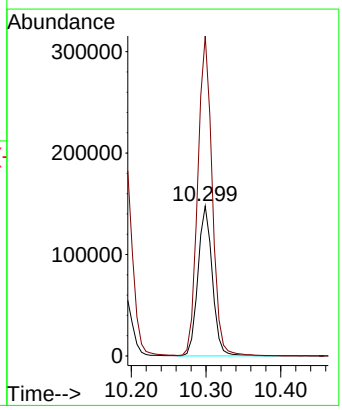


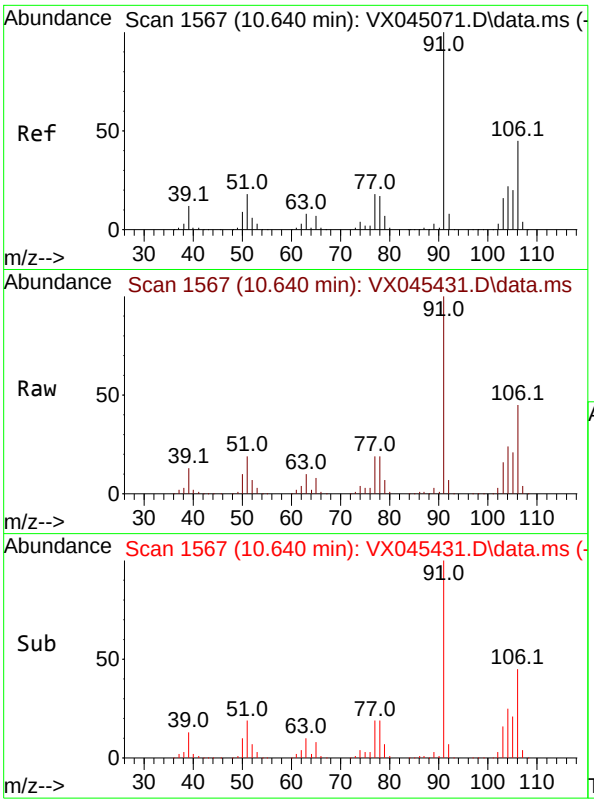


#68
m/p-Xylenes
Concen: 112.611 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX045431.D
Acq: 25 Mar 2025 11:31

Tgt Ion:106 Resp: 196944

Ion	Ratio	Lower	Upper
106	100		
91	214.1	165.4	248.0

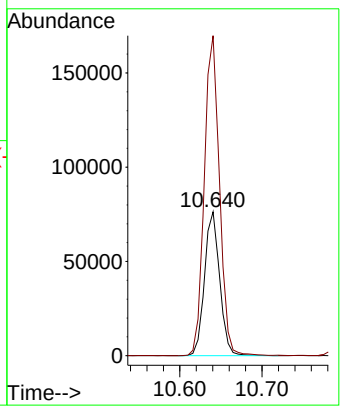




#69
o-Xylene
Concen: 55.328 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045431.D
Acq: 25 Mar 2025 11:31

Tgt Ion:106 Resp: 9759

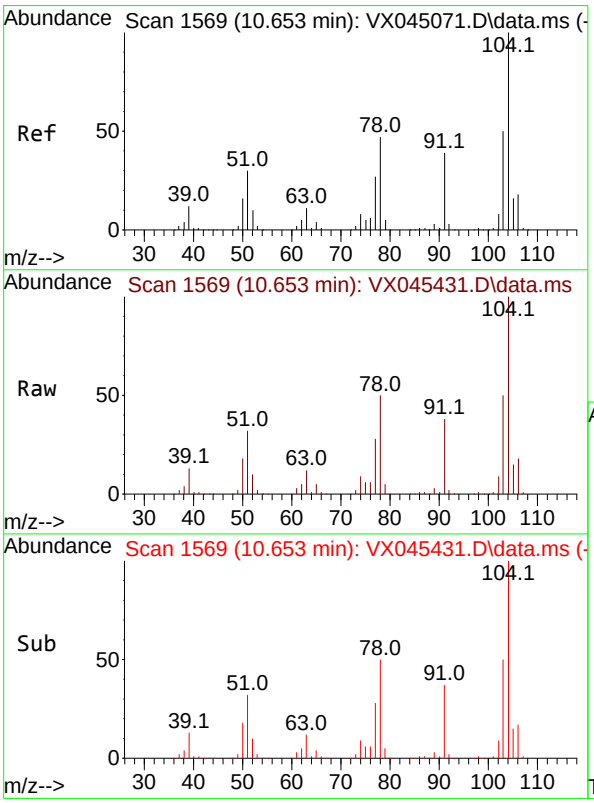
Ion	Ratio	Lower	Upper
106	100		
91	223.3	109.9	329.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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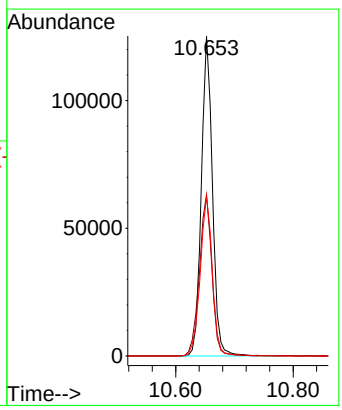
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

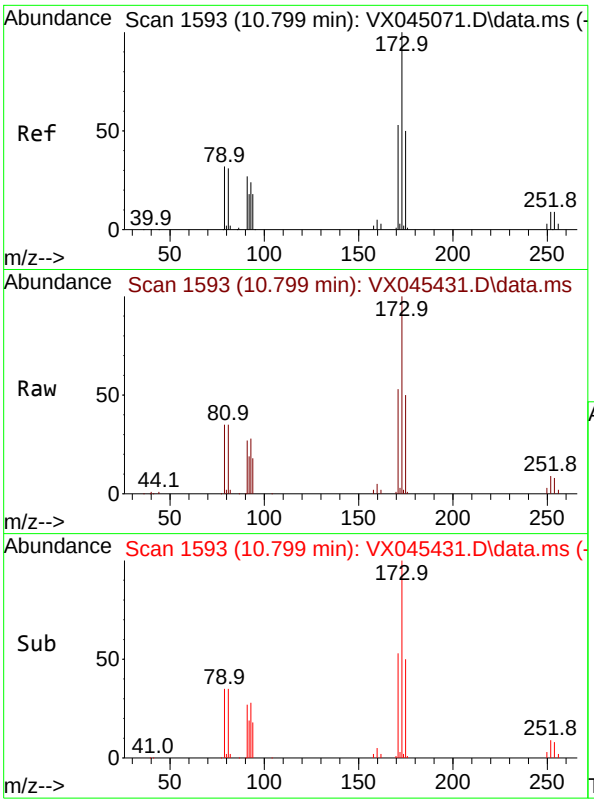


#70
Styrene
Concen: 57.595 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX045431.D
Acq: 25 Mar 2025 11:31

Tgt Ion:104 Resp: 164378

Ion	Ratio	Lower	Upper
104	100		
78	56.8	42.2	63.4
103	54.8	43.8	65.8

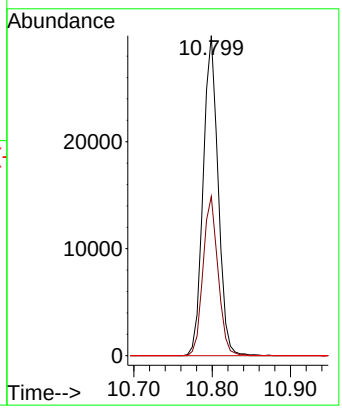




#71
Bromoform
Concen: 57.503 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045431.D
Acq: 25 Mar 2025 11:31

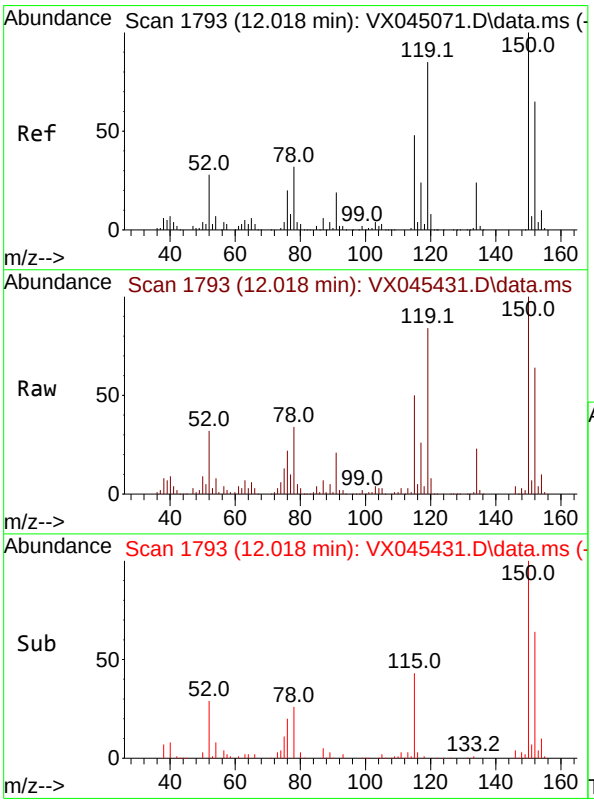
Tgt Ion:173 Resp: 3959

Ion	Ratio	Lower	Upper
173	100		
175	49.8	24.6	73.6
254	0.0	0.0	0.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

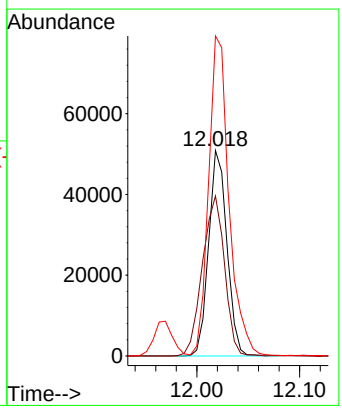
Manual Integrations APPROVED
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

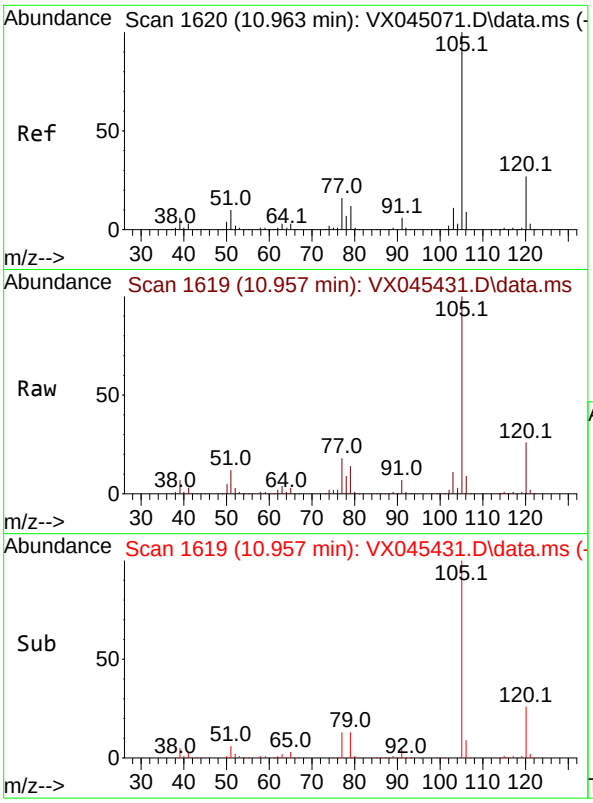


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045431.D
Acq: 25 Mar 2025 11:31

Tgt Ion:152 Resp: 63016

Ion	Ratio	Lower	Upper
152	100		
115	94.4	44.2	132.6
150	173.0	0.0	349.0

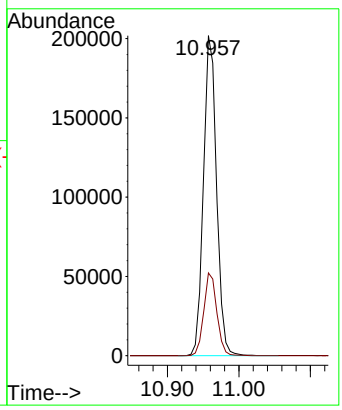




#73
Isopropylbenzene
Concen: 52.224 ug/l
RT: 10.957 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045431.D
Acq: 25 Mar 2025 11:31

Tgt Ion:105 Resp: 25686

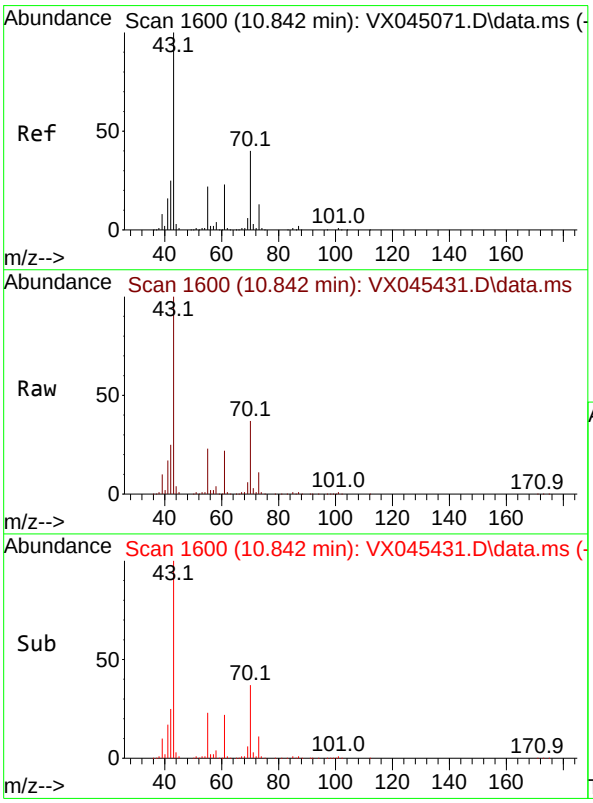
Ion	Ratio	Lower	Upper
105	100		
120	25.7	13.2	39.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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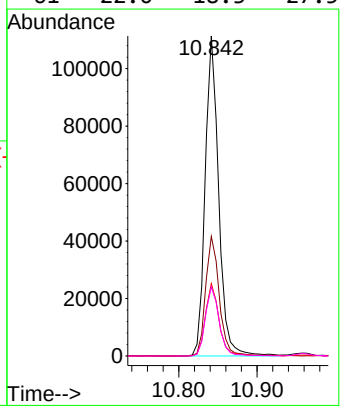
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

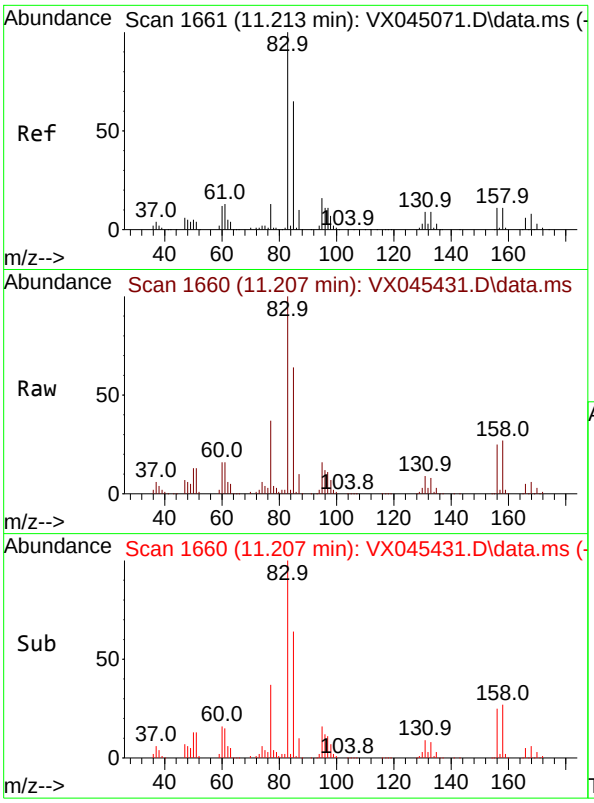


#74
N-amyl acetate
Concen: 57.592 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX045431.D
Acq: 25 Mar 2025 11:31

Tgt Ion: 43 Resp: 132920

Ion	Ratio	Lower	Upper
43	100		
70	38.1	31.8	47.6
55	23.0	18.3	27.5
61	22.0	18.3	27.5





#75
1,1,2,2-Tetrachloroethane
Concen: 49.643 ug/l
RT: 11.207 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045431.D
Acq: 25 Mar 2025 11:31

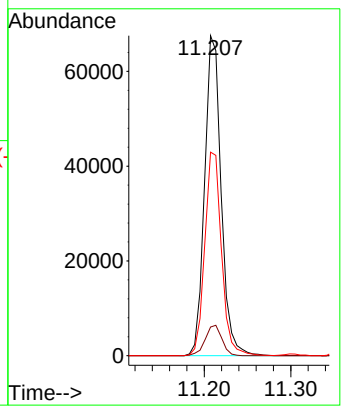
Tgt Ion: 83 Resp: 8960

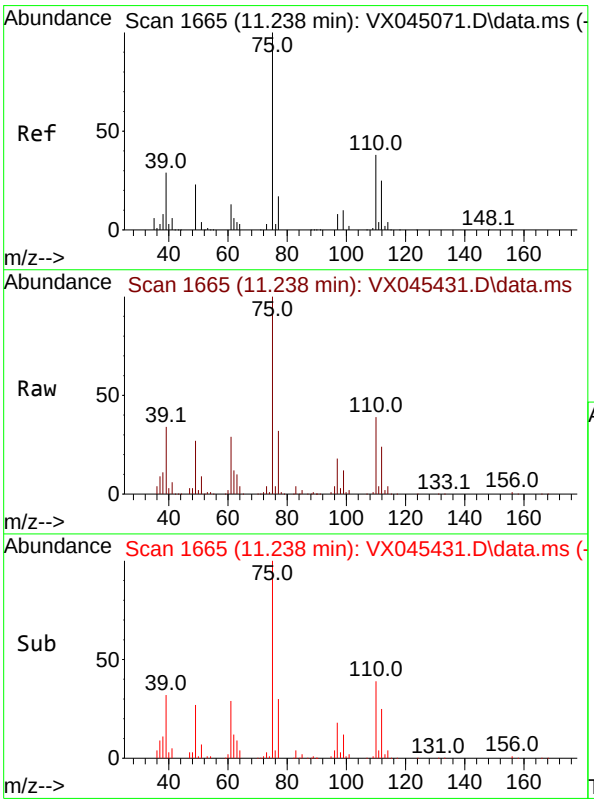
Ion	Ratio	Lower	Upper
83	100		
131	9.6	4.5	13.4
85	64.4	31.7	95.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

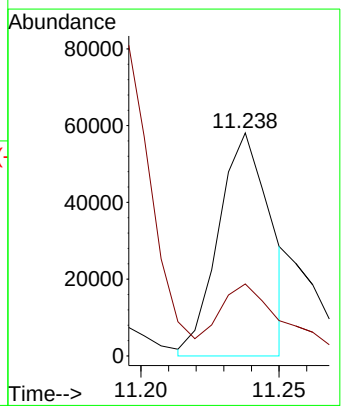


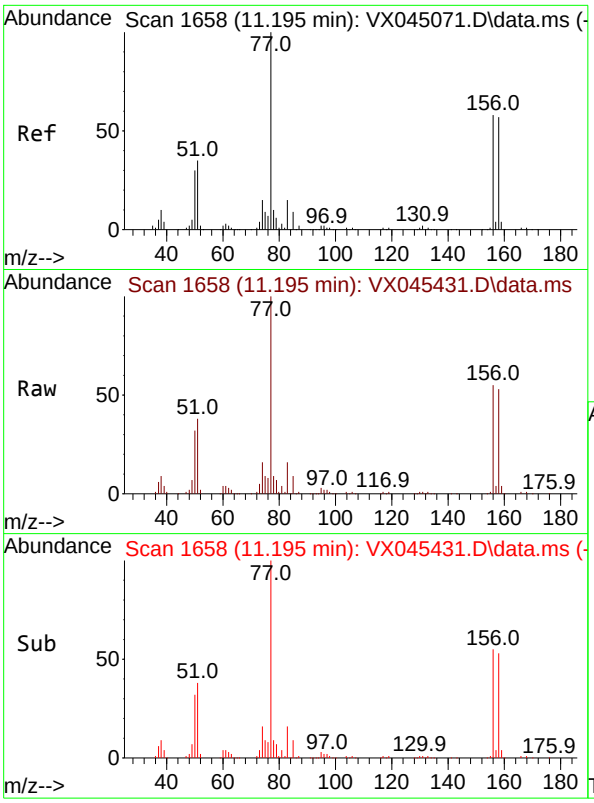


#76
1,2,3-Trichloropropane
Concen: 51.715 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX045431.D
Acq: 25 Mar 2025 11:31

Tgt Ion: 75 Resp: 75851

Ion	Ratio	Lower	Upper
75	100		
77	40.6	20.7	62.1

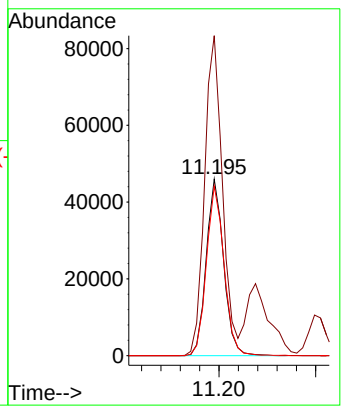




#77
Bromobenzene
Concen: 49.647 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045431.D
Acq: 25 Mar 2025 11:31

Tgt Ion:156 Resp: 5761

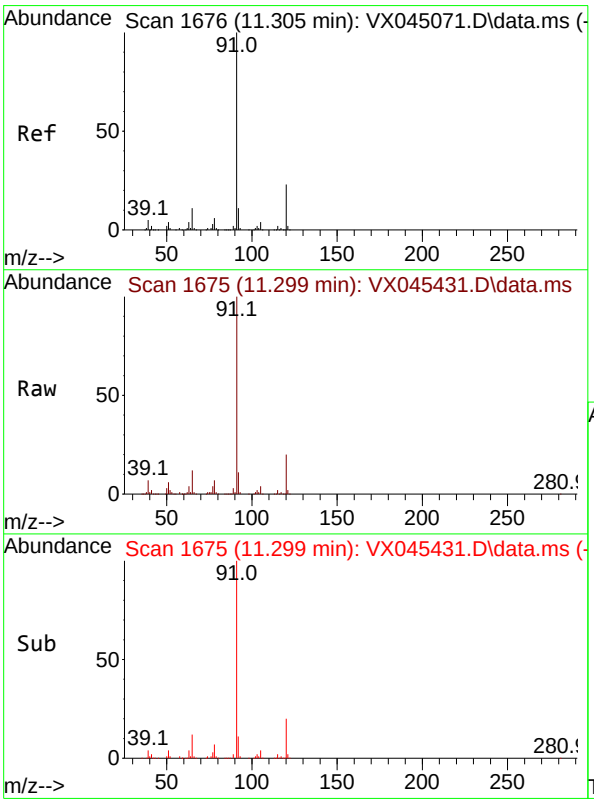
Ion	Ratio	Lower	Upper
156	100		
77	185.3	85.8	257.4
158	97.6	48.4	145.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

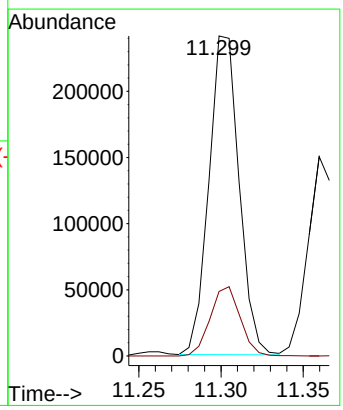
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

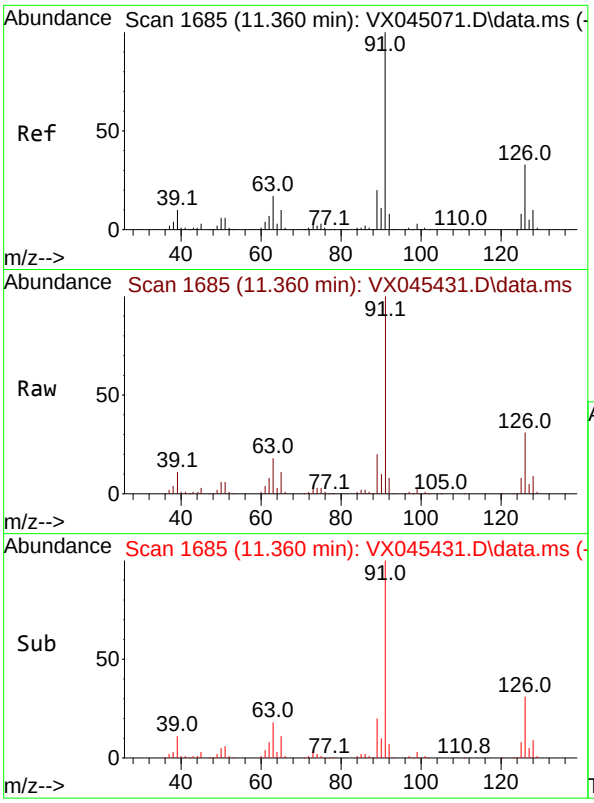


#78
n-propylbenzene
Concen: 55.312 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. -0.006 min
Lab File: VX045431.D
Acq: 25 Mar 2025 11:31

Tgt Ion: 91 Resp: 307324

Ion	Ratio	Lower	Upper
91	100		
120	21.6	11.2	33.6

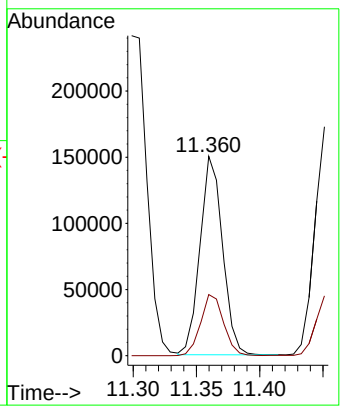




#79
2-Chlorotoluene
Concen: 52.637 ug/l
RT: 11.360 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045431.D
Acq: 25 Mar 2025 11:31

Tgt Ion: 91 Resp: 18625

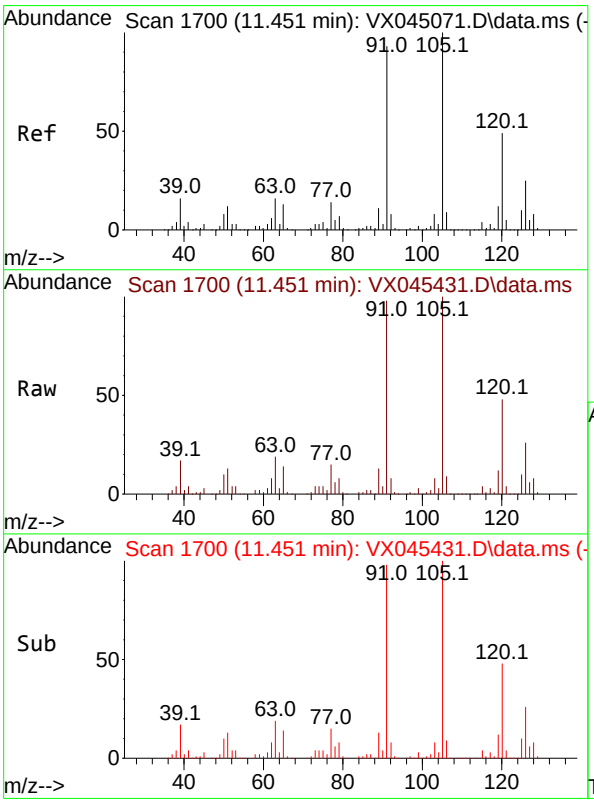
Ion	Ratio	Lower	Upper
91	100		
126	31.4	16.4	49.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

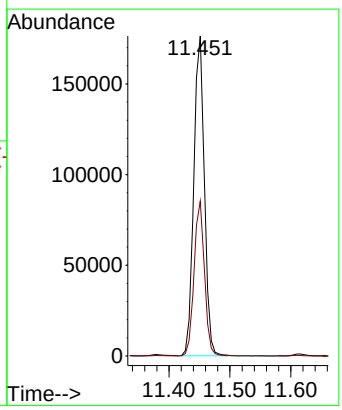
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

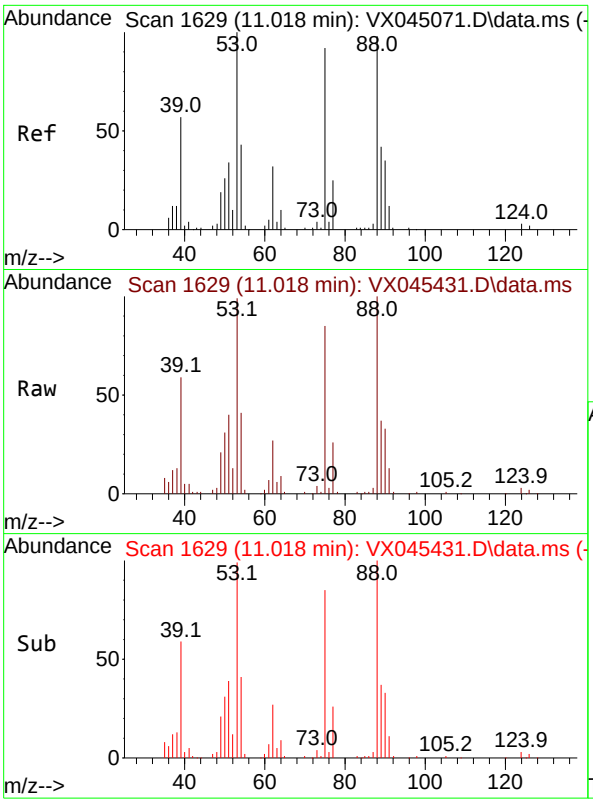


#80
1,3,5-Trimethylbenzene
Concen: 53.605 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045431.D
Acq: 25 Mar 2025 11:31

Tgt Ion:105 Resp: 213188

Ion	Ratio	Lower	Upper
105	100		
120	47.4	24.1	72.2

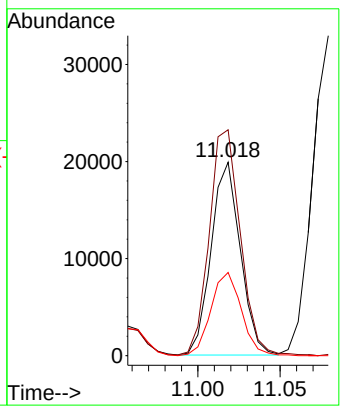




#81
trans-1,4-Dichloro-2-butene
Concen: 57.344 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045431.D
Acq: 25 Mar 2025 11:31

Tgt Ion: 75 Resp: 2457

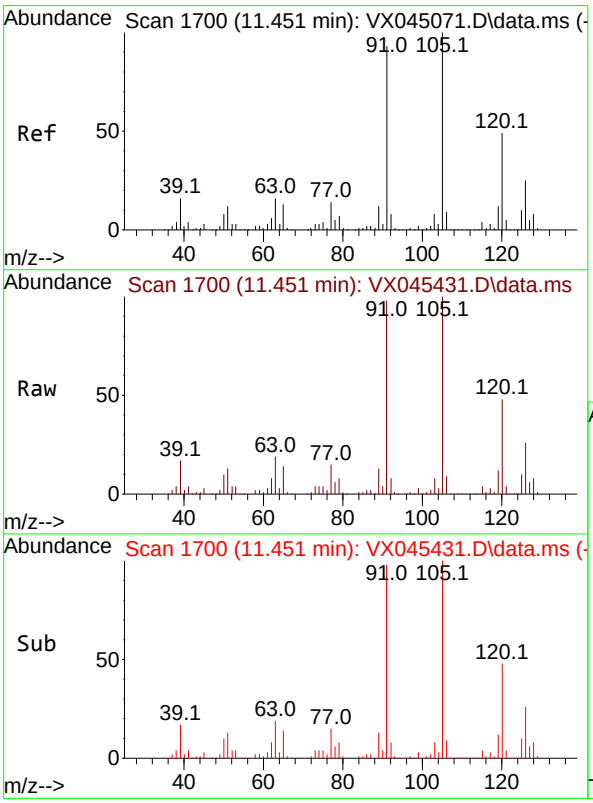
Ion	Ratio	Lower	Upper
75	100		
53	124.7	88.5	132.7
89	45.0	36.2	54.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

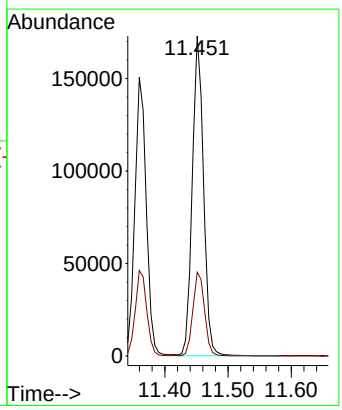
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

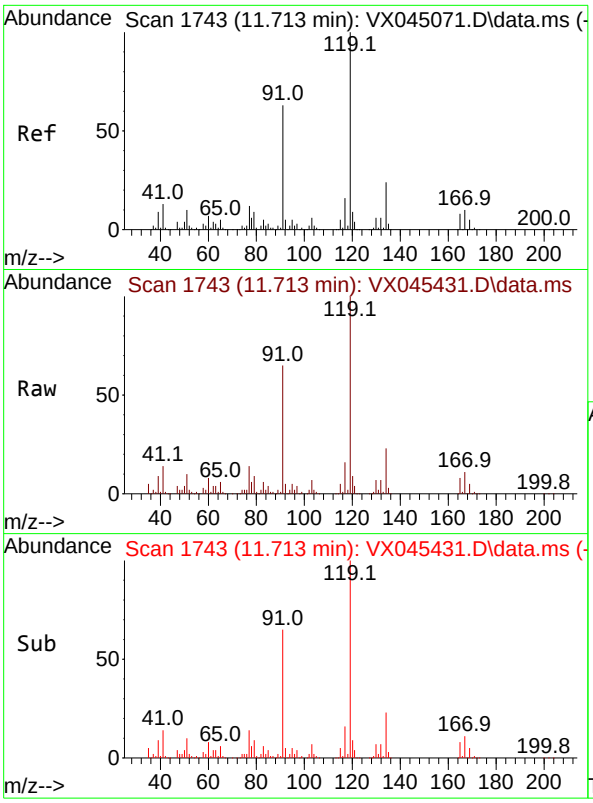


#82
4-Chlorotoluene
Concen: 55.350 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045431.D
Acq: 25 Mar 2025 11:31

Tgt Ion: 91 Resp: 213457

Ion	Ratio	Lower	Upper
91	100		
126	27.1	14.1	42.4

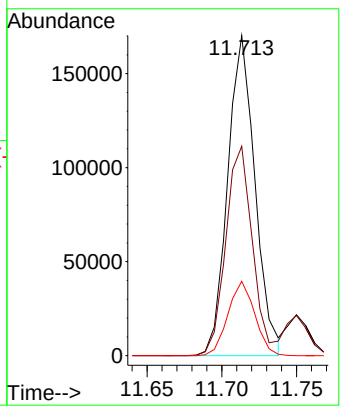




#83
tert-Butylbenzene
Concen: 53.053 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045431.D
Acq: 25 Mar 2025 11:31

Tgt Ion:119 Resp: 21679

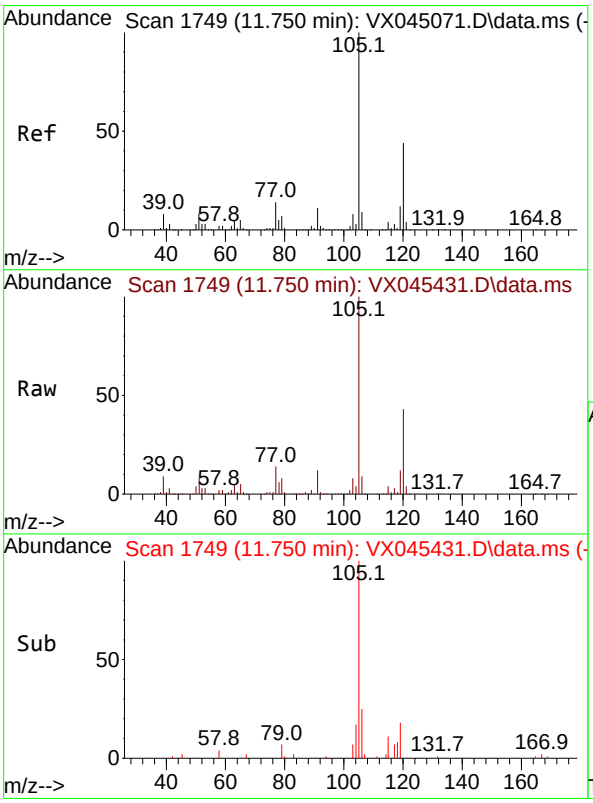
Ion	Ratio	Lower	Upper
119	100		
91	64.4	30.7	92.1
134	22.8	11.7	35.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

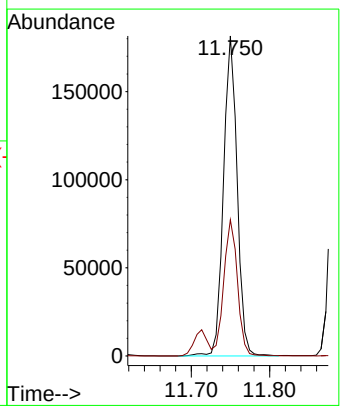
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

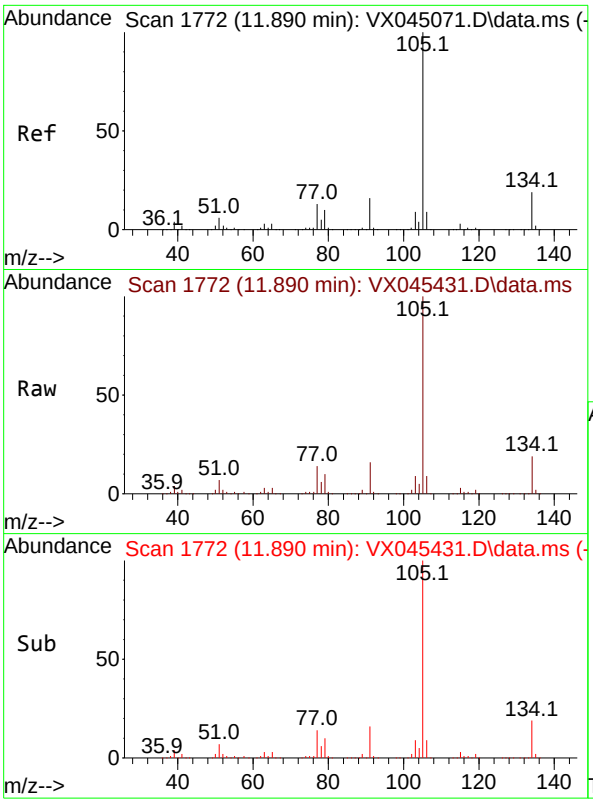


#84
1,2,4-Trimethylbenzene
Concen: 55.071 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX045431.D
Acq: 25 Mar 2025 11:31

Tgt Ion:105 Resp: 220378

Ion	Ratio	Lower	Upper
105	100		
120	42.6	22.1	66.1

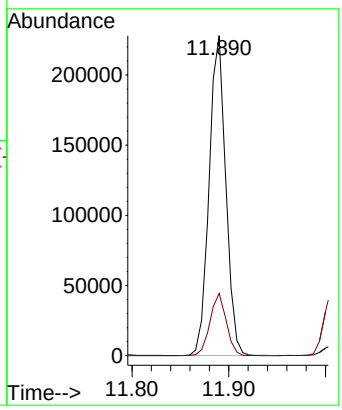




#85
sec-Butylbenzene
Concen: 55.742 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045431.D
Acq: 25 Mar 2025 11:31

Tgt Ion:105 Resp: 27285

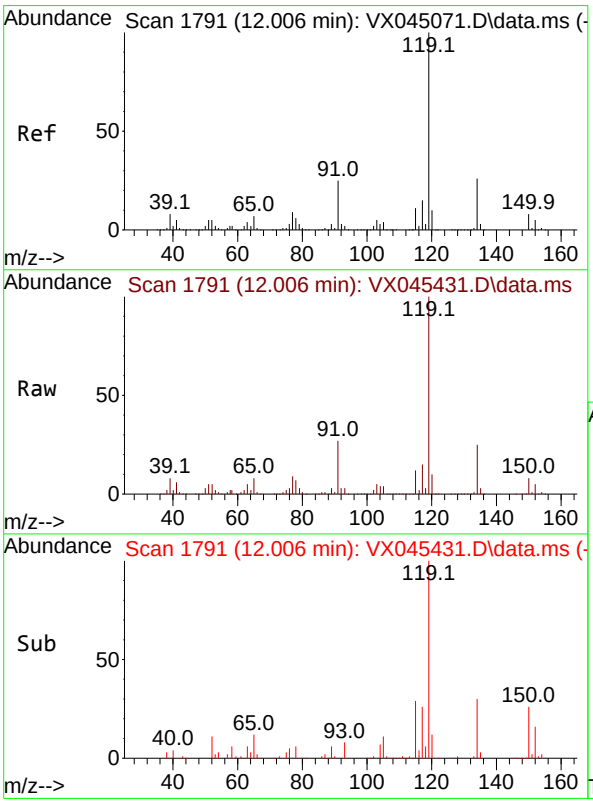
Ion	Ratio	Lower	Upper
105	100		
134	19.1	9.8	29.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

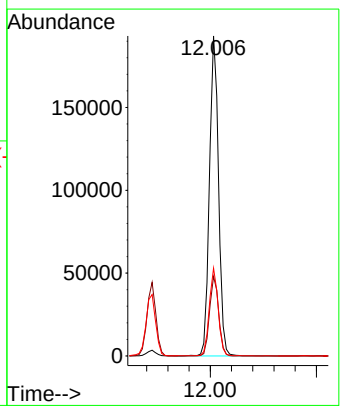
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

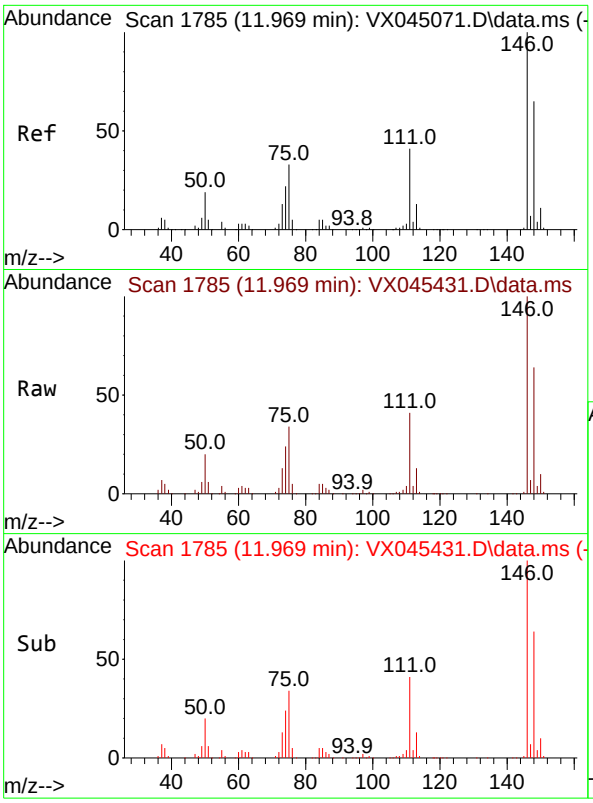


#86
p-Isopropyltoluene
Concen: 57.799 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX045431.D
Acq: 25 Mar 2025 11:31

Tgt Ion:119 Resp: 228640

Ion	Ratio	Lower	Upper
119	100		
134	24.9	12.9	38.6
91	26.6	12.7	38.0

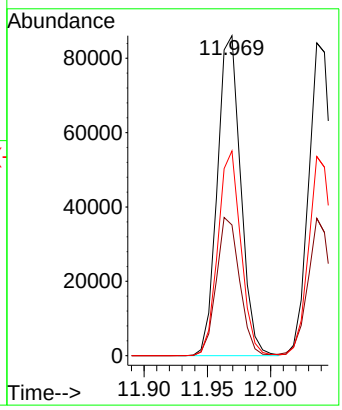




#87
1,3-Dichlorobenzene
Concen: 53.426 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045431.D
Acq: 25 Mar 2025 11:31

Tgt Ion:146 Resp: 11060

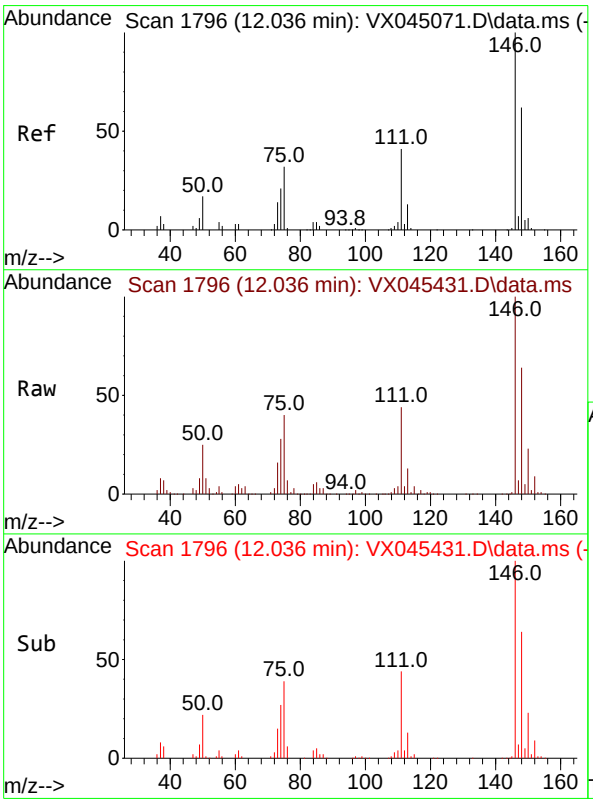
Ion	Ratio	Lower	Upper
146	100		
111	43.1	21.1	63.4
148	62.8	31.9	95.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

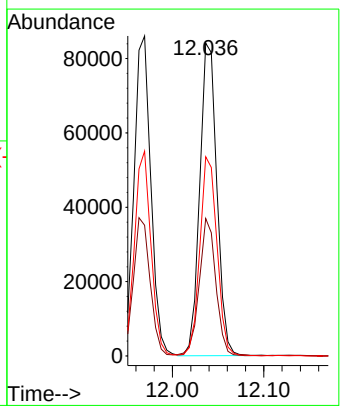
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

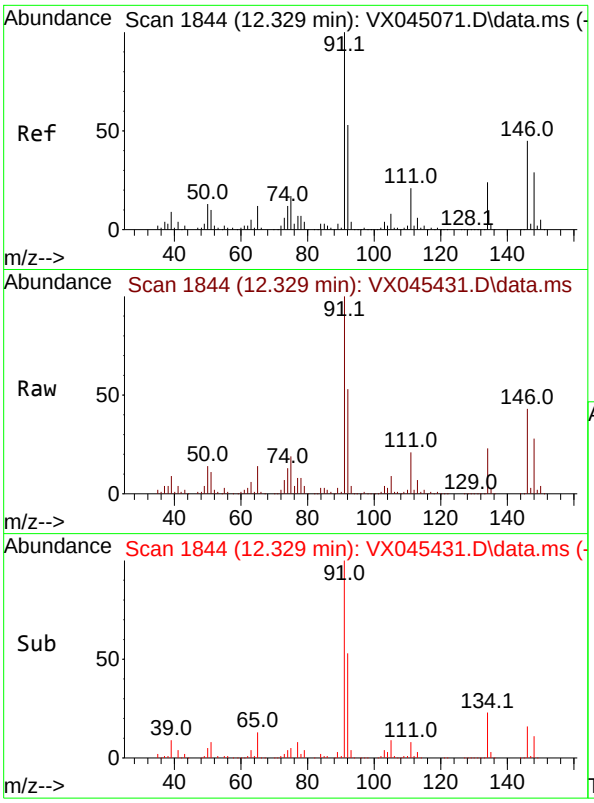


#88
1,4-Dichlorobenzene
Concen: 52.095 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. -0.000 min
Lab File: VX045431.D
Acq: 25 Mar 2025 11:31

Tgt Ion:146 Resp: 109112

Ion	Ratio	Lower	Upper
146	100		
111	42.6	20.2	60.5
148	64.0	31.9	95.9

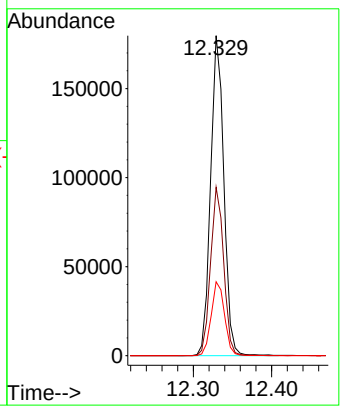




#89
n-Butylbenzene
Concen: 61.782 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045431.D
Acq: 25 Mar 2025 11:31

Tgt Ion: 91 Resp: 21048

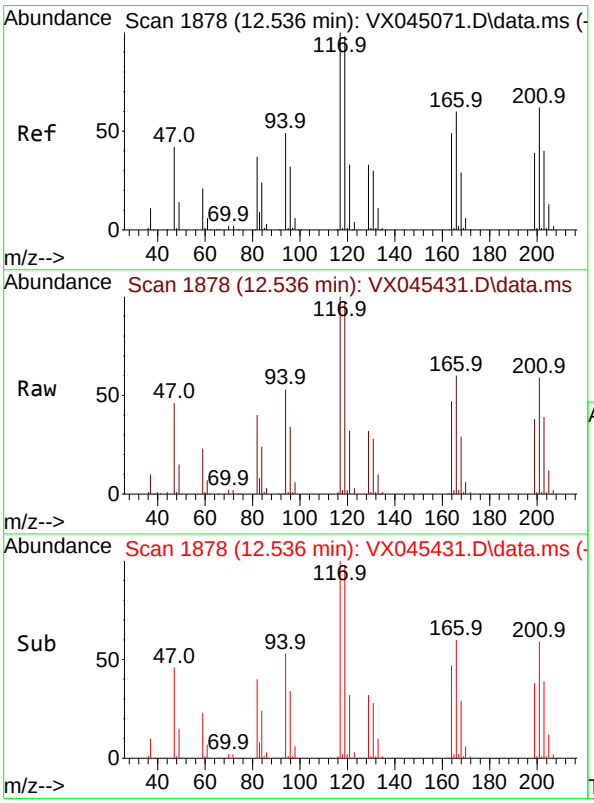
Ion	Ratio	Lower	Upper
91	100		
92	52.3	26.7	80.0
134	23.4	12.2	36.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

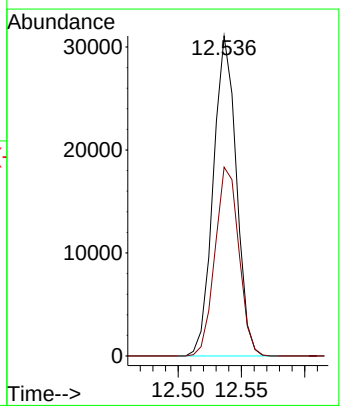
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

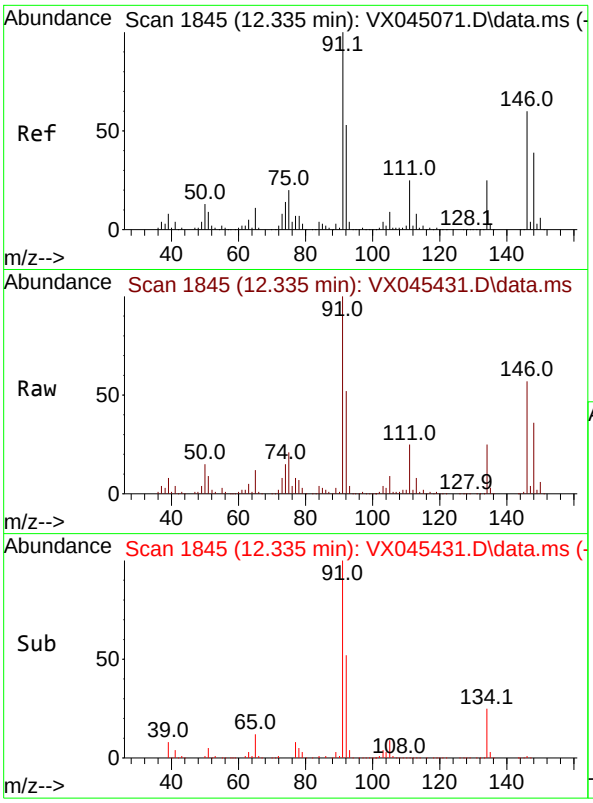


#90
Hexachloroethane
Concen: 54.992 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX045431.D
Acq: 25 Mar 2025 11:31

Tgt Ion:117 Resp: 39347

Ion	Ratio	Lower	Upper
117	100		
201	61.0	31.9	95.9

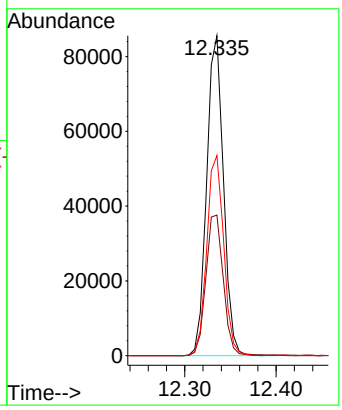




#91
1,2-Dichlorobenzene
Concen: 52.598 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045431.D
Acq: 25 Mar 2025 11:31

Tgt Ion:146 Resp: 10923

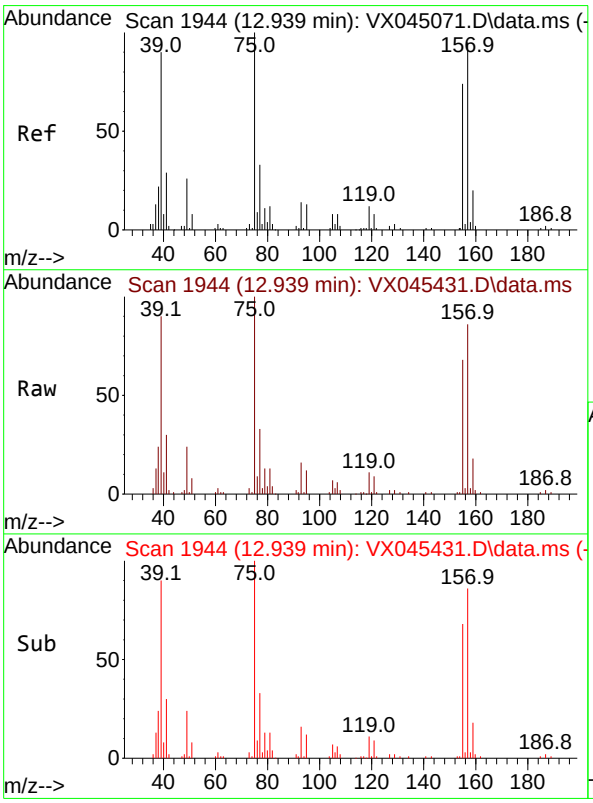
Ion	Ratio	Lower	Upper
146	100		
111	45.5	21.6	65.0
148	63.2	31.9	95.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

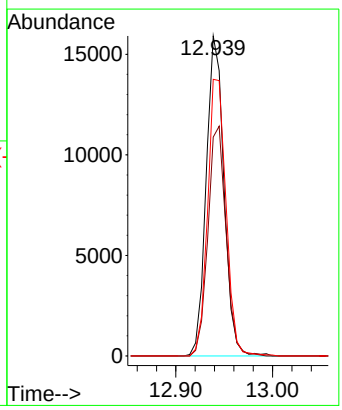
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

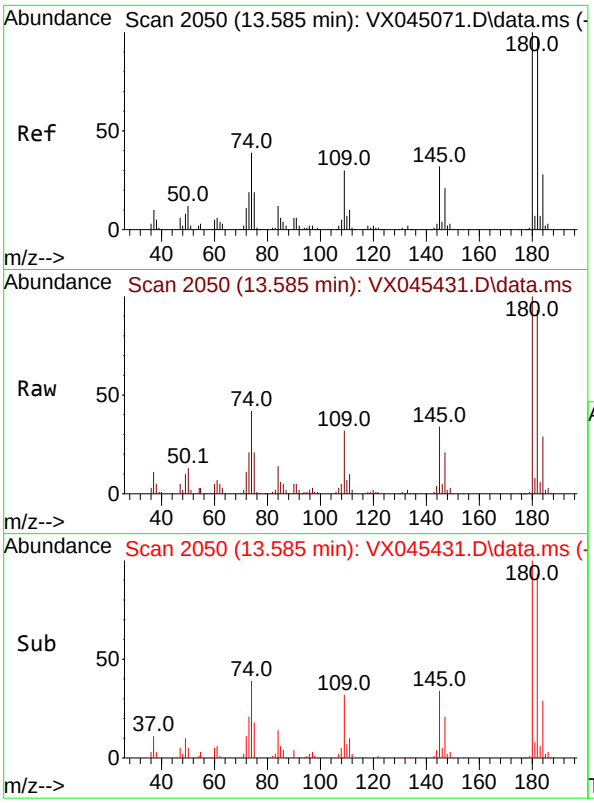


#92
1,2-Dibromo-3-Chloropropane
Concen: 57.847 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX045431.D
Acq: 25 Mar 2025 11:31

Tgt Ion: 75 Resp: 20341

Ion	Ratio	Lower	Upper
75	100		
155	73.1	39.6	118.7
157	89.5	51.1	153.4

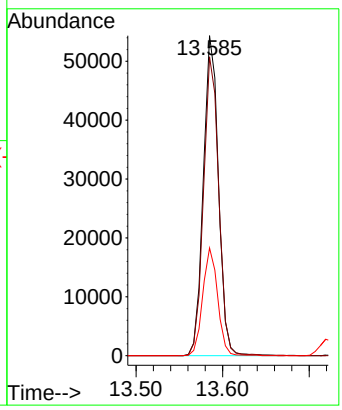




#93
1,2,4-Trichlorobenzene
Concen: 55.783 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045431.D
Acq: 25 Mar 2025 11:31

Tgt Ion:180 Resp: 6596

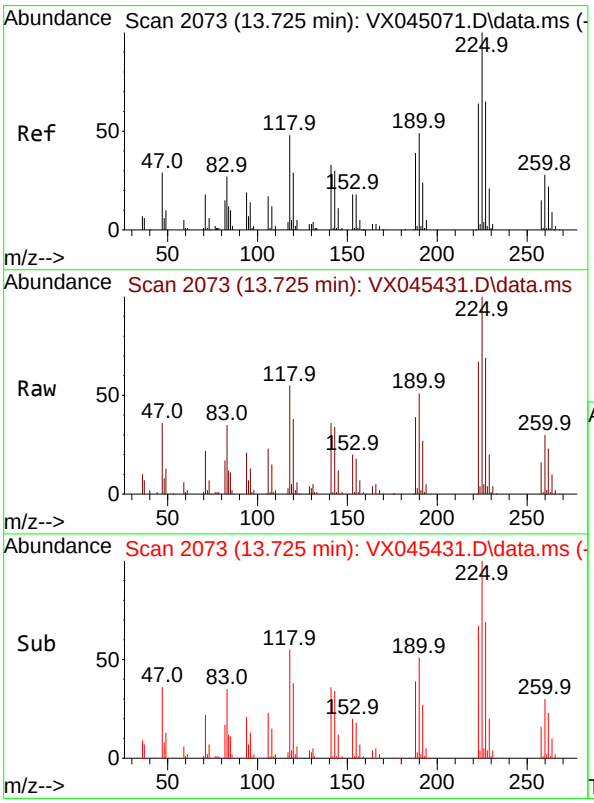
Ion	Ratio	Lower	Upper
180	100		
182	94.3	47.3	141.9
145	33.2	16.3	48.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

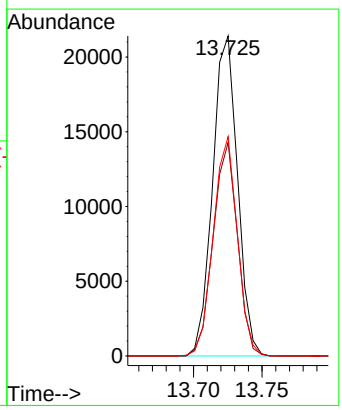
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

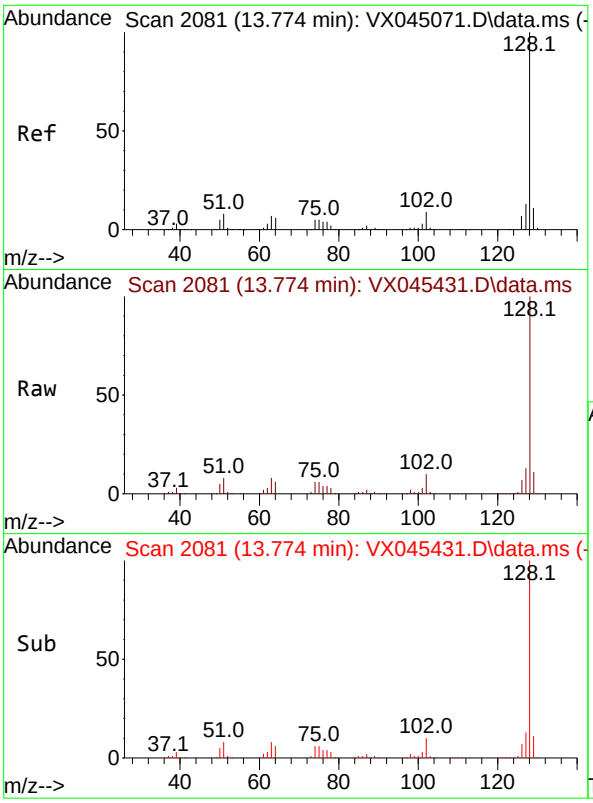


#94
Hexachlorobutadiene
Concen: 55.799 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX045431.D
Acq: 25 Mar 2025 11:31

Tgt Ion:225 Resp: 27052

Ion	Ratio	Lower	Upper
225	100		
223	64.9	31.9	95.7
227	66.4	31.4	94.0

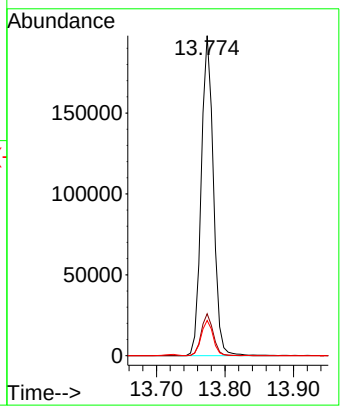




#95
Naphthalene
Concen: 53.764 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045431.D
Acq: 25 Mar 2025 11:31

Tgt Ion:128 Resp: 24427

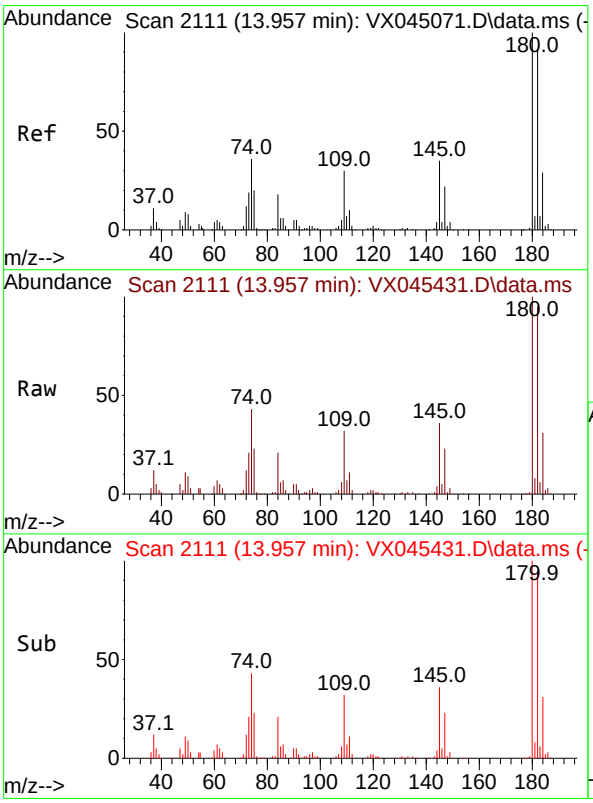
Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.3	15.5
129	10.9	8.7	13.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

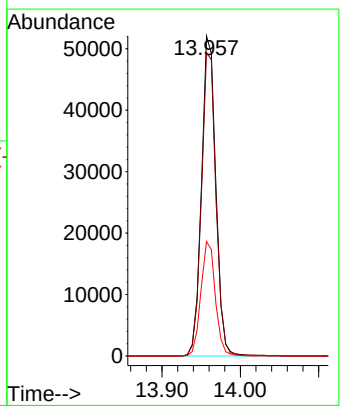
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025



#96
1,2,3-Trichlorobenzene
Concen: 52.935 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.000 min
Lab File: VX045431.D
Acq: 25 Mar 2025 11:31

Tgt Ion:180 Resp: 66037

Ion	Ratio	Lower	Upper
180	100		
182	95.8	47.5	142.6
145	36.0	17.0	50.9



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032525\
Data File : VX045431.D
Acq On : 25 Mar 2025 11:31
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 26 01:33:34 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	81	0.00
2	T	Dichlorodifluoromethane	0.629	0.798	-26.9#	103	0.00
3	P	Chloromethane	0.770	0.804	-4.4	86	0.00
4	C	Vinyl Chloride	0.764	0.720	5.8#	76	0.00
5	T	Bromomethane	0.300	0.346	-15.3	95	0.00
6	T	Chloroethane	0.352	0.394	-11.9	85	0.00
7	T	Trichlorofluoromethane	1.011	1.093	-8.1	84	0.00
8	T	Diethyl Ether	0.396	0.356	10.1	74	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.581	0.699	-20.3	95	0.00
10	T	Methyl Iodide	0.726	0.823	-13.4	86	0.00
11	T	Tert butyl alcohol	0.151	0.133	11.9	80	0.00
12	CM	1,1-Dichloroethene	0.614	0.651	-6.0#	84	0.00
13	T	Acrolein	0.174	0.187	-7.5	87	0.00
14	T	Allyl chloride	1.094	1.222	-11.7	89	0.00
15	T	Acrylonitrile	0.404	0.404	0.0	80	0.00
16	T	Acetone	0.369	0.394	-6.8	90	0.00
17	T	Carbon Disulfide	1.636	1.643	-0.4	80	0.00
18	T	Methyl Acetate	0.888	0.856	3.6	80	0.00
19	T	Methyl tert-butyl Ether	2.061	2.180	-5.8	84	0.00
20	T	Methylene Chloride	0.731	0.729	0.3	84	0.00
21	T	trans-1,2-Dichloroethene	0.607	0.641	-5.6	82	0.00
22	T	Diisopropyl ether	2.224	2.316	-4.1	82	0.00
23	T	Vinyl Acetate	1.856	2.127	-14.6	87	0.00
24	P	1,1-Dichloroethane	1.247	1.311	-5.1	85	0.00
25	T	2-Butanone	0.555	0.596	-7.4	83	0.00
26	T	2,2-Dichloropropane	0.585	0.969	-65.6#	131	0.00
27	T	cis-1,2-Dichloroethene	0.749	0.773	-3.2	82	0.00
28	T	Bromochloromethane	0.594	0.584	1.7	78	0.00
29	T	Tetrahydrofuran	0.373	0.374	-0.3	81	0.00
30	C	Chloroform	1.239	1.317	-6.3#	85	0.00
31	T	Cyclohexane	1.082	1.188	-9.8	87	0.00
32	T	1,1,1-Trichloroethane	1.000	1.132	-13.2	89	0.00
33	S	1,2-Dichloroethane-d4	0.795	0.876	-10.2	93	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	78	0.00
35	S	Dibromofluoromethane	0.334	0.368	-10.2	87	0.00
36	T	1,1-Dichloropropene	0.459	0.515	-12.2	85	0.00
37	T	Ethyl Acetate	0.591	0.640	-8.3	82	0.00
38	T	Carbon Tetrachloride	0.465	0.558	-20.0	93	0.00
39	T	Methylcyclohexane	0.549	0.674	-22.8	90	0.00
40	TM	Benzene	1.448	1.547	-6.8	80	0.00
41	T	Methacrylonitrile	0.319	0.356	-11.6	81	0.00
42	TM	1,2-Dichloroethane	0.521	0.624	-19.8	92	0.00
43	T	Isopropyl Acetate	0.874	1.008	-15.3	84	0.00
44	TM	Trichloroethene	0.340	0.365	-7.4	83	0.00
45	C	1,2-Dichloropropane	0.372	0.390	-4.8#	82	0.00
46	T	Dibromomethane	0.263	0.302	-14.8	87	0.00
47	T	Bromodichloromethane	0.516	0.591	-14.5	88	0.00
48	T	Methyl methacrylate	0.438	0.523	-19.4	88	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032525\
Data File : VX045431.D
Acq On : 25 Mar 2025 11:31
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 26 01:33:34 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	0.010	-11.1	81	0.00
50	S	Toluene-d8	1.212	1.260	-4.0	81	0.00
51	T	4-Methyl-2-Pentanone	0.587	0.681	-16.0	87	0.00
52	CM	Toluene	0.849	0.944	-11.2#	82	0.00
53	T	t-1,3-Dichloropropene	0.431	0.547	-26.9#	91	0.00
54	T	cis-1,3-Dichloropropene	0.503	0.610	-21.3	89	0.00
55	T	1,1,2-Trichloroethane	0.350	0.370	-5.7	81	0.00
56	T	Ethyl methacrylate	0.532	0.624	-17.3	85	0.00
57	T	1,3-Dichloropropane	0.605	0.651	-7.6	82	0.00
58	T	2-Chloroethyl Vinyl ether	0.259	0.309	-19.3	85	0.00
59	T	2-Hexanone	0.425	0.519	-22.1	90	0.00
60	T	Dibromochloromethane	0.366	0.425	-16.1	86	0.00
61	T	1,2-Dibromoethane	0.349	0.390	-11.7	85	0.00
62	S	4-Bromofluorobenzene	0.402	0.481	-19.7	93	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	80	0.00
64	T	Tetrachloroethene	0.320	0.353	-10.3	87	0.00
65	PM	Chlorobenzene	1.058	1.130	-6.8	83	0.00
66	T	1,1,1,2-Tetrachloroethane	0.352	0.388	-10.2	87	0.00
67	C	Ethyl Benzene	1.843	2.068	-12.2#	85	0.00
68	T	m/p-Xylenes	0.675	0.760	-12.6	84	0.00
69	T	o-Xylene	0.681	0.753	-10.6	85	0.00
70	T	Styrene	1.101	1.269	-15.3	86	0.00
71	P	Bromoform	0.266	0.306	-15.0	89	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	88	0.00
73	T	Isopropylbenzene	3.903	4.076	-4.4	87	0.00
74	T	N-amyl acetate	1.831	2.109	-15.2	94	0.00
75	P	1,1,2,2-Tetrachloroethane	1.432	1.422	0.7	89	0.00
76	T	1,2,3-Trichloropropane	1.164	1.204	-3.4	93	0.00
77	T	Bromobenzene	0.921	0.914	0.8	86	0.00
78	T	n-propylbenzene	4.409	4.877	-10.6	90	0.00
79	T	2-Chlorotoluene	2.808	2.956	-5.3	91	0.00
80	T	1,3,5-Trimethylbenzene	3.156	3.383	-7.2	88	0.00
81	T	trans-1,4-Dichloro-2-butene	0.340	0.390	-14.7	102	0.00
82	T	4-Chlorotoluene	3.060	3.387	-10.7	93	0.00
83	T	tert-Butylbenzene	3.242	3.440	-6.1	90	0.00
84	T	1,2,4-Trimethylbenzene	3.175	3.497	-10.1	92	0.00
85	T	sec-Butylbenzene	3.884	4.330	-11.5	91	0.00
86	T	p-Isopropyltoluene	3.139	3.628	-15.6	94	0.00
87	T	1,3-Dichlorobenzene	1.643	1.755	-6.8	93	0.00
88	T	1,4-Dichlorobenzene	1.662	1.731	-4.2	91	0.00
89	T	n-Butylbenzene	2.703	3.340	-23.6	98	0.00
90	T	Hexachloroethane	0.568	0.624	-9.9	91	0.00
91	T	1,2-Dichlorobenzene	1.648	1.733	-5.2	92	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.279	0.323	-15.8	99	0.00
93	T	1,2,4-Trichlorobenzene	0.938	1.047	-11.6	92	0.00
94	T	Hexachlorobutadiene	0.385	0.429	-11.4	97	0.00
95	T	Naphthalene	3.605	3.876	-7.5	88	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032525\
Data File : VX045431.D
Acq On : 25 Mar 2025 11:31
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 26 01:33:34 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	1.048	-5.9	87	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032525\
Data File : VX045431.D
Acq On : 25 Mar 2025 11:31
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 26 01:33:34 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	81	0.00
2	T	Dichlorodifluoromethane	50.000	63.390	-26.8#	103	0.00
3	P	Chloromethane	50.000	52.163	-4.3	86	0.00
4	C	Vinyl Chloride	50.000	47.130	5.7#	76	0.00
5	T	Bromomethane	50.000	57.542	-15.1	95	0.00
6	T	Chloroethane	50.000	55.901	-11.8	85	0.00
7	T	Trichlorofluoromethane	50.000	54.030	-8.1	84	0.00
8	T	Diethyl Ether	50.000	44.955	10.1	74	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	60.165	-20.3	95	0.00
10	T	Methyl Iodide	50.000	56.637	-13.3	86	0.00
11	T	Tert butyl alcohol	250.000	221.277	11.5	80	0.00
12	CM	1,1-Dichloroethene	50.000	52.997	-6.0#	84	0.00
13	T	Acrolein	250.000	268.391	-7.4	87	0.00
14	T	Allyl chloride	50.000	55.879	-11.8	89	0.00
15	T	Acrylonitrile	250.000	250.432	-0.2	80	0.00
16	T	Acetone	250.000	267.080	-6.8	90	0.00
17	T	Carbon Disulfide	50.000	50.201	-0.4	80	0.00
18	T	Methyl Acetate	50.000	48.227	3.5	80	0.00
19	T	Methyl tert-butyl Ether	50.000	52.888	-5.8	84	0.00
20	T	Methylene Chloride	50.000	49.864	0.3	84	0.00
21	T	trans-1,2-Dichloroethene	50.000	52.781	-5.6	82	0.00
22	T	Diisopropyl ether	50.000	52.066	-4.1	82	0.00
23	T	Vinyl Acetate	250.000	286.525	-14.6	87	0.00
24	P	1,1-Dichloroethane	50.000	52.589	-5.2	85	0.00
25	T	2-Butanone	250.000	268.225	-7.3	83	0.00
26	T	2,2-Dichloropropane	50.000	82.834	-65.7#	131	0.00
27	T	cis-1,2-Dichloroethene	50.000	51.554	-3.1	82	0.00
28	T	Bromochloromethane	50.000	49.141	1.7	78	0.00
29	T	Tetrahydrofuran	250.000	250.594	-0.2	81	0.00
30	C	Chloroform	50.000	53.166	-6.3#	85	0.00
31	T	Cyclohexane	50.000	54.912	-9.8	87	0.00
32	T	1,1,1-Trichloroethane	50.000	56.559	-13.1	89	0.00
33	S	1,2-Dichloroethane-d4	50.000	55.062	-10.1	93	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	78	0.00
35	S	Dibromofluoromethane	50.000	54.975	-10.0	87	0.00
36	T	1,1-Dichloropropene	50.000	56.139	-12.3	85	0.00
37	T	Ethyl Acetate	50.000	54.162	-8.3	82	0.00
38	T	Carbon Tetrachloride	50.000	59.885	-19.8	93	0.00
39	T	Methylcyclohexane	50.000	61.319	-22.6	90	0.00
40	TM	Benzene	50.000	53.428	-6.9	80	0.00
41	T	Methacrylonitrile	50.000	55.689	-11.4	81	0.00
42	TM	1,2-Dichloroethane	50.000	59.882	-19.8	92	0.00
43	T	Isopropyl Acetate	50.000	57.673	-15.3	84	0.00
44	TM	Trichloroethene	50.000	53.617	-7.2	83	0.00
45	C	1,2-Dichloropropane	50.000	52.440	-4.9#	82	0.00
46	T	Dibromomethane	50.000	57.458	-14.9	87	0.00
47	T	Bromodichloromethane	50.000	57.282	-14.6	88	0.00
48	T	Methyl methacrylate	50.000	59.672	-19.3	88	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032525\
Data File : VX045431.D
Acq On : 25 Mar 2025 11:31
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 26 01:33:34 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	1056.380	-5.6	81	0.00
50	S	Toluene-d8	50.000	51.975	-4.0	81	0.00
51	T	4-Methyl-2-Pentanone	250.000	290.090	-16.0	87	0.00
52	CM	Toluene	50.000	55.590	-11.2#	82	0.00
53	T	t-1,3-Dichloropropene	50.000	63.348	-26.7#	91	0.00
54	T	cis-1,3-Dichloropropene	50.000	60.662	-21.3	89	0.00
55	T	1,1,2-Trichloroethane	50.000	52.847	-5.7	81	0.00
56	T	Ethyl methacrylate	50.000	58.682	-17.4	85	0.00
57	T	1,3-Dichloropropane	50.000	53.749	-7.5	82	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	298.307	-19.3	85	0.00
59	T	2-Hexanone	250.000	305.413	-22.2	90	0.00
60	T	Dibromochloromethane	50.000	58.159	-16.3	86	0.00
61	T	1,2-Dibromoethane	50.000	55.824	-11.6	85	0.00
62	S	4-Bromofluorobenzene	50.000	59.846	-19.7	93	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	80	0.00
64	T	Tetrachloroethene	50.000	55.192	-10.4	87	0.00
65	PM	Chlorobenzene	50.000	53.387	-6.8	83	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	55.062	-10.1	87	0.00
67	C	Ethyl Benzene	50.000	56.096	-12.2#	85	0.00
68	T	m/p-Xylenes	100.000	112.611	-12.6	84	0.00
69	T	o-Xylene	50.000	55.328	-10.7	85	0.00
70	T	Styrene	50.000	57.595	-15.2	86	0.00
71	P	Bromoform	50.000	57.503	-15.0	89	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	88	0.00
73	T	Isopropylbenzene	50.000	52.224	-4.4	87	0.00
74	T	N-amyl acetate	50.000	57.592	-15.2	94	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	49.643	0.7	89	0.00
76	T	1,2,3-Trichloropropane	50.000	51.715	-3.4	93	0.00
77	T	Bromobenzene	50.000	49.647	0.7	86	0.00
78	T	n-propylbenzene	50.000	55.312	-10.6	90	0.00
79	T	2-Chlorotoluene	50.000	52.637	-5.3	91	0.00
80	T	1,3,5-Trimethylbenzene	50.000	53.605	-7.2	88	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	57.344	-14.7	102	0.00
82	T	4-Chlorotoluene	50.000	55.350	-10.7	93	0.00
83	T	tert-Butylbenzene	50.000	53.053	-6.1	90	0.00
84	T	1,2,4-Trimethylbenzene	50.000	55.071	-10.1	92	0.00
85	T	sec-Butylbenzene	50.000	55.742	-11.5	91	0.00
86	T	p-Isopropyltoluene	50.000	57.799	-15.6	94	0.00
87	T	1,3-Dichlorobenzene	50.000	53.426	-6.9	93	0.00
88	T	1,4-Dichlorobenzene	50.000	52.095	-4.2	91	0.00
89	T	n-Butylbenzene	50.000	61.782	-23.6	98	0.00
90	T	Hexachloroethane	50.000	54.992	-10.0	91	0.00
91	T	1,2-Dichlorobenzene	50.000	52.598	-5.2	92	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	57.847	-15.7	99	0.00
93	T	1,2,4-Trichlorobenzene	50.000	55.783	-11.6	92	0.00
94	T	Hexachlorobutadiene	50.000	55.799	-11.6	97	0.00
95	T	Naphthalene	50.000	53.764	-7.5	88	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032525\
Data File : VX045431.D
Acq On : 25 Mar 2025 11:31
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 26 01:33:34 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	52.935	-5.9	87	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.: Q1608 SAS No.: Q1608 SDG No.: Q1608

Instrument ID: MSVOA_X Calibration Date/Time: 03/25/2025 21:00

Lab File ID: VX045455.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	0.819		30.21	50
Chloromethane	0.770	0.884	0.1	14.81	50
Vinyl Chloride	0.764	0.774		1.31	50
Bromomethane	0.300	0.362		20.67	50
Chloroethane	0.352	0.433		23.01	50
Trichlorofluoromethane	1.012	1.154		14.03	50
1,1,2-Trichlorotrifluoroethane	0.581	0.697		19.97	50
1,1-Dichloroethene	0.614	0.684		11.4	50
Acetone	0.369	0.395		7.05	50
Carbon Disulfide	1.636	1.714		4.77	50
Methyl tert-butyl Ether	2.061	2.334		13.25	50
Methyl Acetate	0.888	0.929		4.62	50
Methylene Chloride	0.731	0.785		7.39	50
trans-1,2-Dichloroethene	0.607	0.696		14.66	50
1,1-Dichloroethane	1.247	1.404	0.1	12.59	50
Cyclohexane	1.082	1.254		15.9	50
2-Butanone	0.555	0.613		10.45	50
Carbon Tetrachloride	0.465	0.566		21.72	50
cis-1,2-Dichloroethene	0.749	0.825		10.15	50
Bromochloromethane	0.594	0.654		10.1	50
Chloroform	1.239	1.426		15.09	50
1,1,1-Trichloroethane	1.000	1.219		21.9	50
Methylcyclohexane	0.549	0.662		20.58	50
Benzene	1.448	1.606		10.91	50
1,2-Dichloroethane	0.521	0.655		25.72	50
Trichloroethene	0.340	0.376		10.59	50
1,2-Dichloropropane	0.372	0.410		10.22	50
Bromodichloromethane	0.516	0.612		18.6	50
4-Methyl-2-Pentanone	0.587	0.701		19.42	50
Toluene	0.849	0.978		15.19	50
t-1,3-Dichloropropene	0.431	0.530		22.97	50
cis-1,3-Dichloropropene	0.503	0.608		20.88	50
1,1,2-Trichloroethane	0.350	0.391		11.71	50
2-Hexanone	0.425	0.525		23.53	50
Dibromochloromethane	0.366	0.438		19.67	50
1,2-Dibromoethane	0.349	0.404		15.76	50
Tetrachloroethene	0.320	0.359		12.19	50
Chlorobenzene	1.058	1.173	0.3	10.87	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.: Q1608 SAS No.: Q1608 SDG No.: Q1608

Instrument ID: MSVOA_X Calibration Date/Time: 03/25/2025 21:00

Lab File ID: VX045455.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	2.140		16.11	50
m/p-Xylenes	0.675	0.775		14.81	50
o-Xylene	0.681	0.774		13.66	50
Styrene	1.101	1.315		19.44	50
Bromoform	0.266	0.310	0.1	16.54	50
Isopropylbenzene	3.903	4.278		9.61	50
1,1,2,2-Tetrachloroethane	1.432	1.479	0.3	3.28	50
1,3-Dichlorobenzene	1.643	1.781		8.4	50
1,4-Dichlorobenzene	1.662	1.787		7.52	50
1,2-Dichlorobenzene	1.648	1.805		9.53	50
1,2-Dibromo-3-Chloropropane	0.279	0.328		17.56	50
1,2,4-Trichlorobenzene	0.938	1.039		10.77	50
1,2,3-Trichlorobenzene	0.990	1.055		6.57	50
1,2-Dichloroethane-d4	0.795	0.954		20	50
Dibromofluoromethane	0.334	0.375		12.27	50
Toluene-d8	1.212	1.279		5.53	50
4-Bromofluorobenzene	0.402	0.501		24.63	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\VX032525\
Data File : VX045455.D
Acq On : 25 Mar 2025 21:00
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Mar 26 01:47:33 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

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Pentafluorobenzene	5.544	168	74211	50.000 ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	134524	50.000 ug/l	0.00
63) Chlorobenzene-d5	10.055	117	120753	50.000 ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	57976	50.000 ug/l	0.00
System Monitoring Compounds					
33) 1,2-Dichloroethane-d4	5.952	65	70804	59.981 ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 119.960%		
35) Dibromofluoromethane	5.379	113	50433	56.066 ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 112.140%		
50) Toluene-d8	8.647	98	172074	52.766 ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 105.540%		
62) 4-Bromofluorobenzene	11.079	95	67367	62.340 ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 124.680%#		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.166	85	60758	65.042 ug/l	94
3) Chloromethane	1.307	50	65638	57.417 ug/l	99
4) Vinyl Chloride	1.374	62	57448	50.657 ug/l	95
5) Bromomethane	1.593	94	26828	60.177 ug/l	96
6) Chloroethane	1.666	64	32149	61.459 ug/l	96
7) Trichlorofluoromethane	1.874	101	85653	57.053 ug/l	96
8) Diethyl Ether	2.130	74	28231	48.076 ug/l	94
9) 1,1,2-Trichlorotrifluo...	2.319	101	51717	59.961 ug/l	97
10) Methyl Iodide	2.441	142	66828	61.999 ug/l	94
11) Tert butyl alcohol	2.977	59	49333	220.637 ug/l	97
12) 1,1-Dichloroethene	2.306	96	50738	55.640 ug/l	95
13) Acrolein	2.233	56	71073	274.979 ug/l	99
14) Allyl chloride	2.654	41	95094	58.584 ug/l	93
15) Acrylonitrile	3.062	53	159315	265.855 ug/l	99
16) Acetone	2.380	43	146553	267.586 ug/l	95
17) Carbon Disulfide	2.502	76	127223	52.381 ug/l	98
18) Methyl Acetate	2.703	43	68937	52.322 ug/l	98
19) Methyl tert-butyl Ether	3.111	73	173226	56.621 ug/l	97
20) Methylene Chloride	2.782	84	58289	53.728 ug/l	95
21) trans-1,2-Dichloroethene	3.081	96	51655	57.338 ug/l	96
22) Diisopropyl ether	3.757	45	187925	56.926 ug/l #	86
23) Vinyl Acetate	3.715	43	846535	307.283 ug/l	99
24) 1,1-Dichloroethane	3.599	63	104188	56.314 ug/l	99
25) 2-Butanone	4.556	43	227375	275.806 ug/l	98
26) 2,2-Dichloropropane	4.465	77	64832	74.708 ug/l	95
27) cis-1,2-Dichloroethene	4.483	96	61259	55.084 ug/l	92
28) Bromochloromethane	4.891	49	48535	55.038 ug/l	98
29) Tetrahydrofuran	5.001	42	145386	262.606 ug/l	99
30) Chloroform	5.086	83	105858	57.585 ug/l	100
31) Cyclohexane	5.458	56	93071	57.952 ug/l	96
32) 1,1,1-Trichloroethane	5.373	97	90456	60.925 ug/l	98
36) 1,1-Dichloropropene	5.684	75	71380	57.863 ug/l	99
37) Ethyl Acetate	4.715	43	88123	55.438 ug/l	99
38) Carbon Tetrachloride	5.672	117	76081	60.748 ug/l	95
39) Methylcyclohexane	7.373	83	89014	60.220 ug/l	94
40) Benzene	6.031	78	215997	55.448 ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032525\
Data File : VX045455.D
Acq On : 25 Mar 2025 21:00
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Mar 26 01:47:33 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

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.916	41	49660	57.777	ug/l		97
42) 1,2-Dichloroethane	6.080	62	88076	62.788	ug/l		96
43) Isopropyl Acetate	6.336	43	137894	58.665	ug/l		99
44) Trichloroethene	7.123	130	50548	55.263	ug/l		97
45) 1,2-Dichloropropane	7.428	63	55191	55.105	ug/l		98
46) Dibromomethane	7.574	93	41994	59.321	ug/l		96
47) Bromodichloromethane	7.818	83	82371	59.321	ug/l		98
48) Methyl methacrylate	7.690	41	72446	61.434	ug/l		93
49) 1,4-Dioxane	7.659	88	25038	1006.555	ug/l		94
51) 4-Methyl-2-Pentanone	8.574	43	471412	298.691	ug/l		99
52) Toluene	8.714	92	131498	57.535	ug/l		100
53) t-1,3-Dichloropropene	8.976	75	71263	61.389	ug/l		97
54) cis-1,3-Dichloropropene	8.360	75	81798	60.428	ug/l	#	87
55) 1,1,2-Trichloroethane	9.147	97	52613	55.917	ug/l		98
56) Ethyl methacrylate	9.116	69	88478	61.863	ug/l		93
57) 1,3-Dichloropropane	9.305	76	93052	57.147	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.238	63	223602	320.494	ug/l		98
59) 2-Hexanone	9.427	43	352820	308.540	ug/l		97
60) Dibromochloromethane	9.519	129	58941	59.912	ug/l		99
61) 1,2-Dibromoethane	9.604	107	54283	57.791	ug/l		98
64) Tetrachloroethene	9.269	164	43318	56.012	ug/l		99
65) Chlorobenzene	10.073	112	141675	55.448	ug/l		98
66) 1,1,1,2-Tetrachloroethane	10.159	131	48145	56.581	ug/l		98
67) Ethyl Benzene	10.189	91	258353	58.029	ug/l		99
68) m/p-Xylenes	10.299	106	187271	114.904	ug/l		94
69) o-Xylene	10.640	106	93451	56.852	ug/l		96
70) Styrene	10.653	104	158826	59.715	ug/l		97
71) Bromoform	10.799	173	37385	58.263	ug/l	#	99
73) Isopropylbenzene	10.957	105	248021	54.809	ug/l		99
74) N-amyl acetate	10.842	43	127825	60.199	ug/l		97
75) 1,1,2,2-Tetrachloroethane	11.207	83	85723	51.622	ug/l		100
76) 1,2,3-Trichloropropane	11.238	75	72660m	53.846	ug/l		
77) Bromobenzene	11.195	156	57349	53.713	ug/l		96
78) n-propylbenzene	11.299	91	291813	57.086	ug/l		98
79) 2-Chlorotoluene	11.360	91	180078	55.315	ug/l		97
80) 1,3,5-Trimethylbenzene	11.451	105	208176	56.895	ug/l		97
81) trans-1,4-Dichloro-2-b...	11.018	75	20652	52.375	ug/l		85
82) 4-Chlorotoluene	11.451	91	206254	58.131	ug/l		98
83) tert-Butylbenzene	11.713	119	206906	55.036	ug/l		98
84) 1,2,4-Trimethylbenzene	11.750	105	211760	57.518	ug/l		99
85) sec-Butylbenzene	11.890	105	260527	57.851	ug/l		98
86) p-Isopropyltoluene	12.006	119	214411	58.914	ug/l		98
87) 1,3-Dichlorobenzene	11.969	146	103254	54.210	ug/l		98
88) 1,4-Dichlorobenzene	12.036	146	103629	53.778	ug/l		99
89) n-Butylbenzene	12.329	91	190918	60.909	ug/l		99
90) Hexachloroethane	12.536	117	36102	54.843	ug/l		99
91) 1,2-Dichlorobenzene	12.335	146	104665	54.779	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	12.939	75	19044	58.867	ug/l		89
93) 1,2,4-Trichlorobenzene	13.585	180	60255	55.384	ug/l		100
94) Hexachlorobutadiene	13.725	225	25302	56.726	ug/l		98
95) Naphthalene	13.774	128	226227	54.121	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	61143	53.273	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032525\
Data File : VX045455.D
Acq On : 25 Mar 2025 21:00
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Mar 26 01:47:33 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

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

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

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

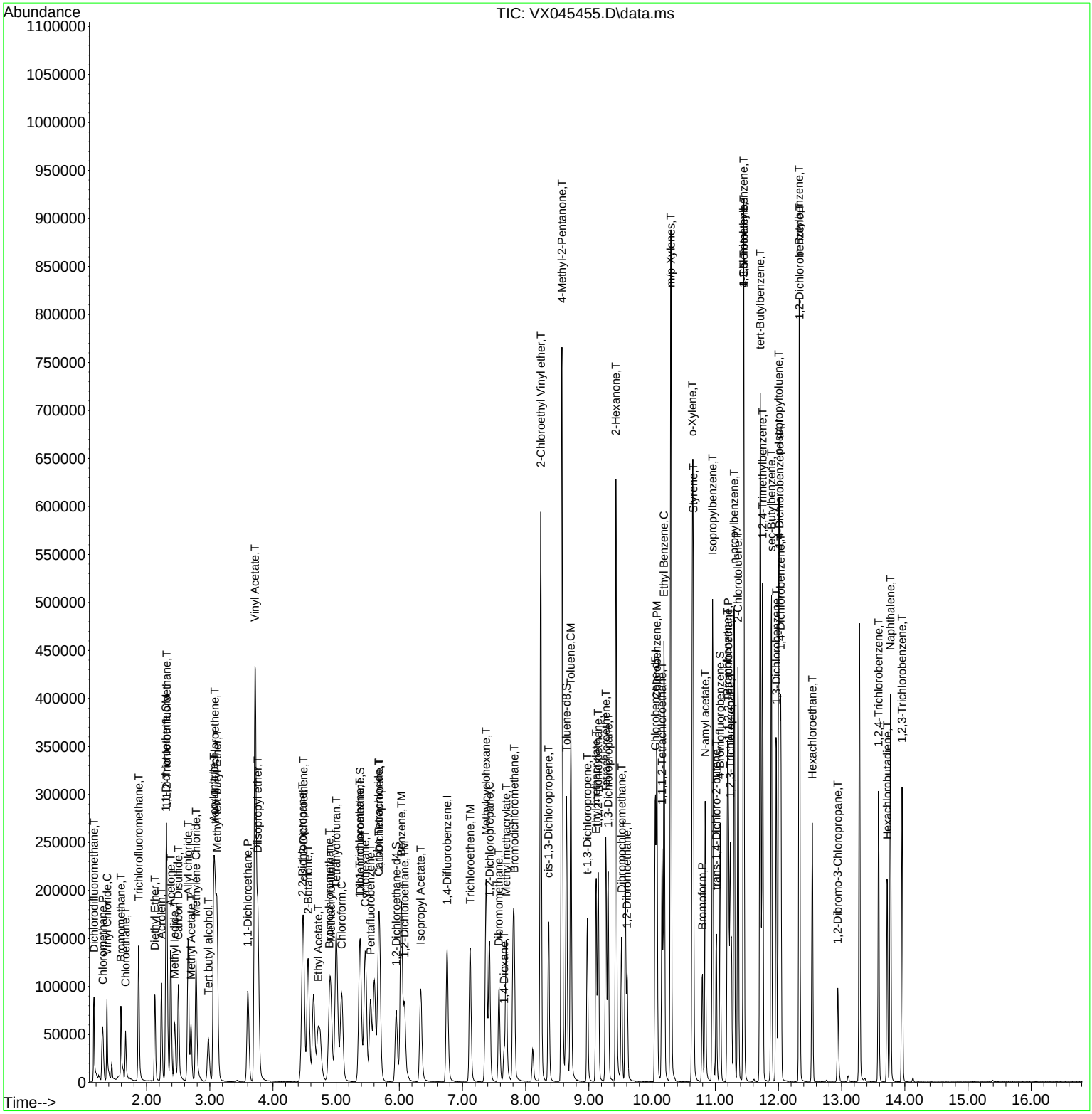
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032525\
Data File : VX045455.D
Acq On : 25 Mar 2025 21:00
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 26 Sample Multiplier: 1

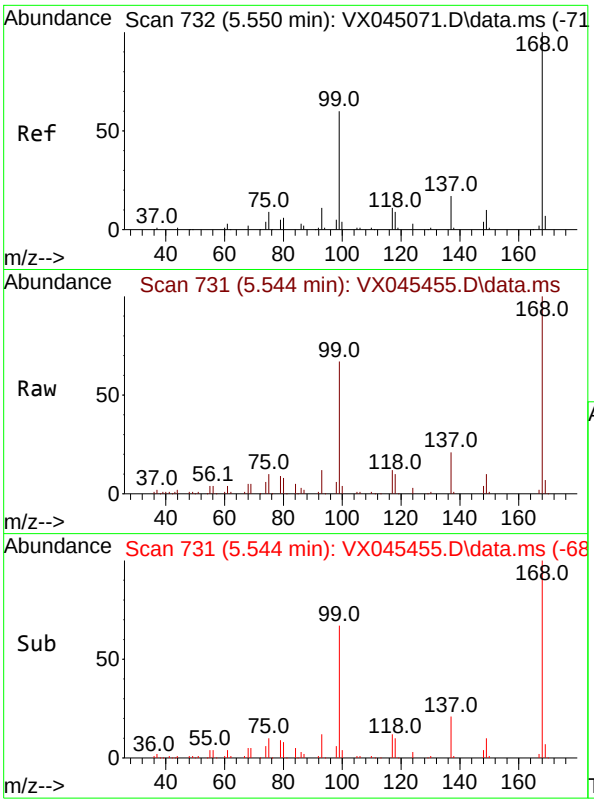
Quant Time: Mar 26 01:47:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

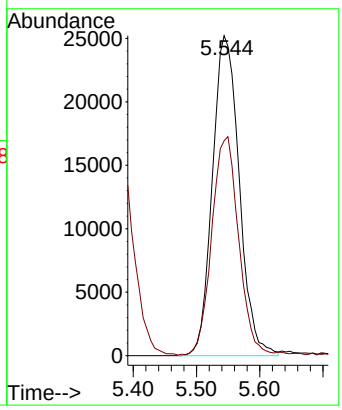




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045455.D
Acq: 25 Mar 2025 21:00

Tgt Ion:168 Resp: 7421

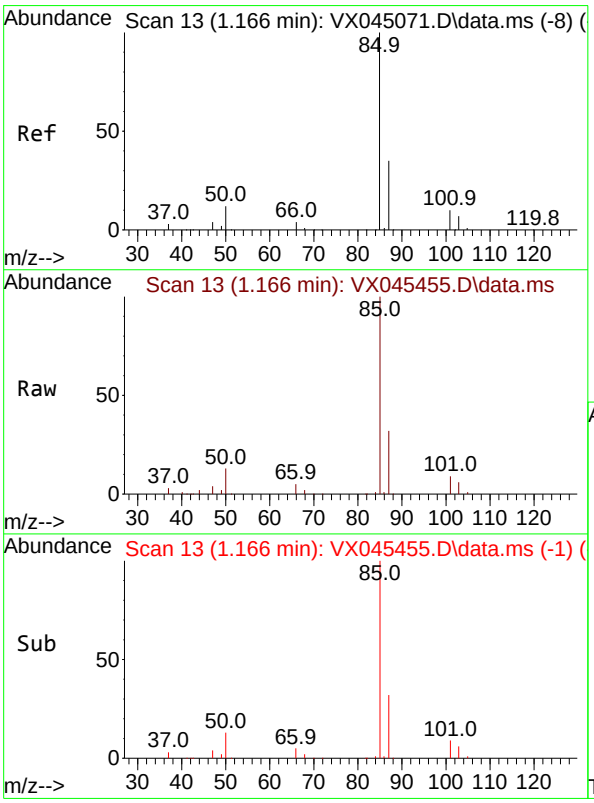
Ion	Ratio	Lower	Upper
168	100		
99	66.9	48.2	72.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

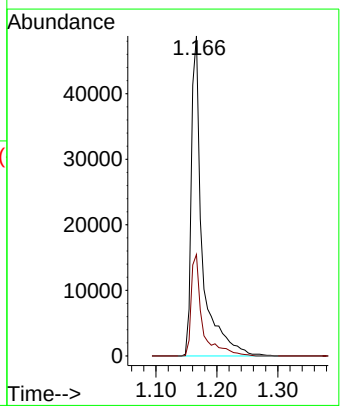
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

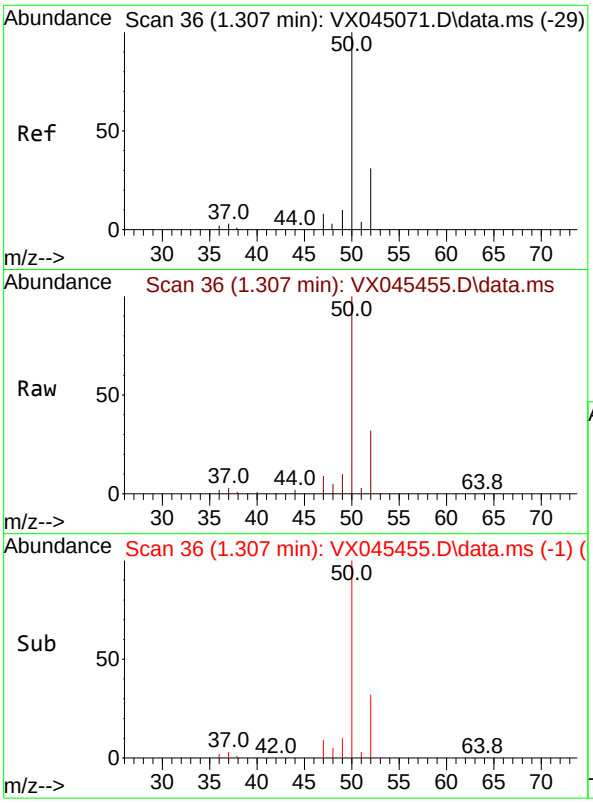


#2
Dichlorodifluoromethane
Concen: 65.042 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX045455.D
Acq: 25 Mar 2025 21:00

Tgt Ion: 85 Resp: 60758

Ion	Ratio	Lower	Upper
85	100		
87	31.7	17.4	52.3

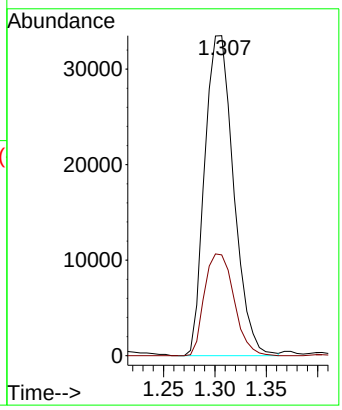




#3
Chloromethane
Concen: 57.417 ug/l
RT: 1.307 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045455.D
Acq: 25 Mar 2025 21:00

Tgt Ion: 50 Resp: 6563

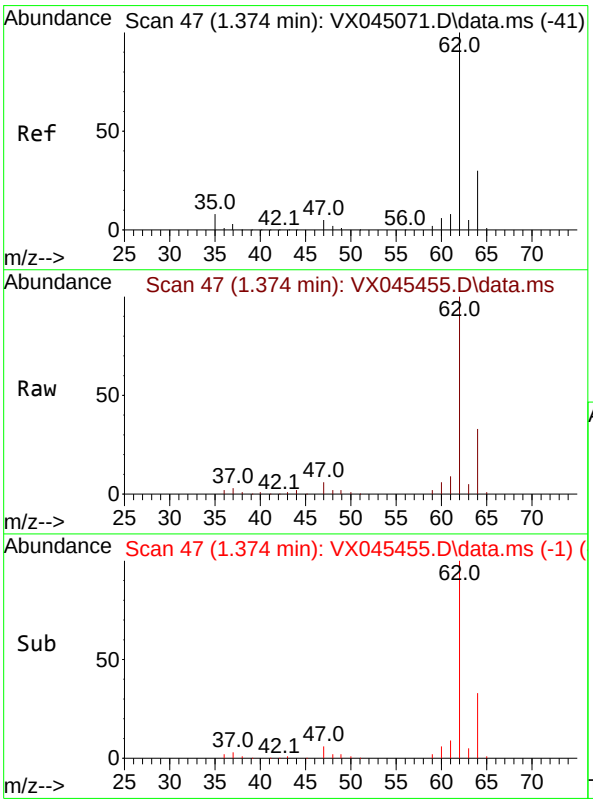
Ion	Ratio	Lower	Upper
50	100		
52	31.5	25.0	37.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

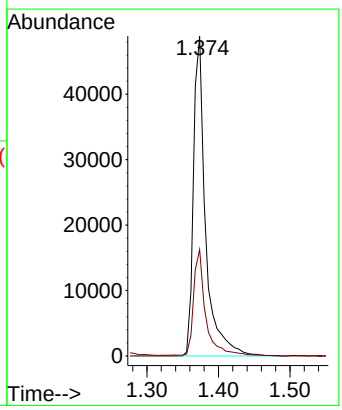
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

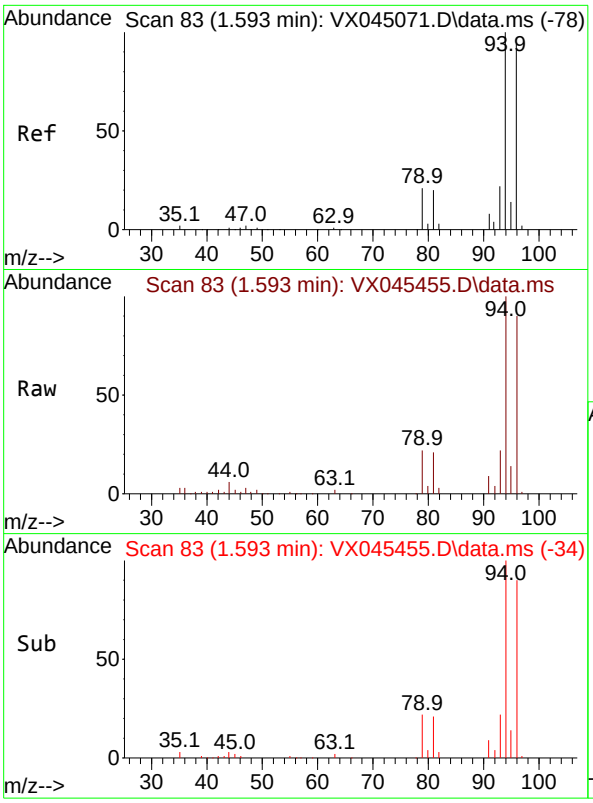


#4
Vinyl Chloride
Concen: 50.657 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX045455.D
Acq: 25 Mar 2025 21:00

Tgt Ion: 62 Resp: 57448

Ion	Ratio	Lower	Upper
62	100		
64	33.1	24.3	36.5

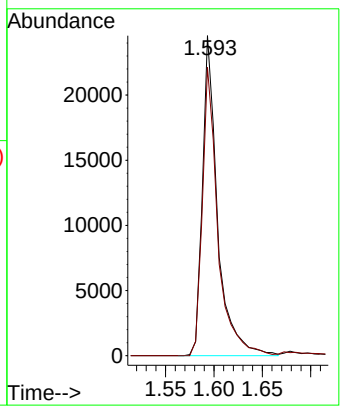




#5
Bromomethane
Concen: 60.177 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045455.D
Acq: 25 Mar 2025 21:00

Tgt Ion: 94 Resp: 2682

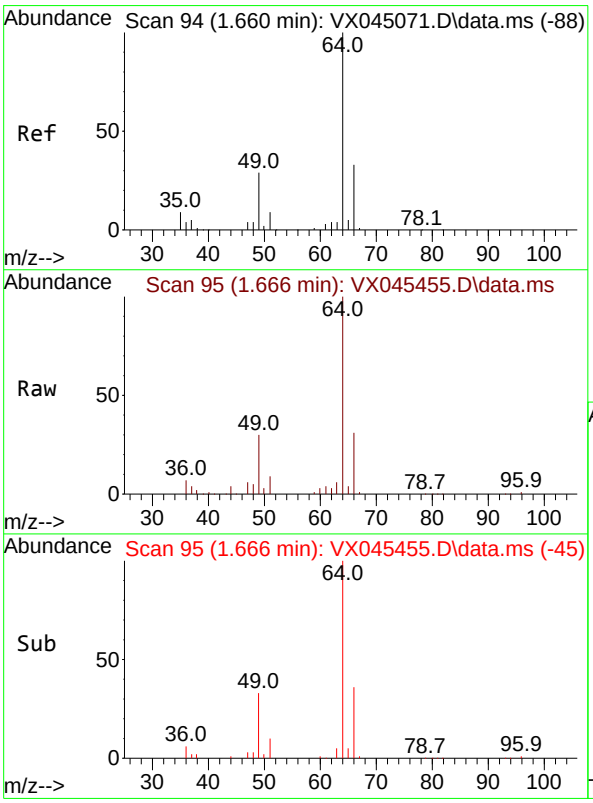
Ion	Ratio	Lower	Upper
94	100		
96	90.0	75.0	112.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

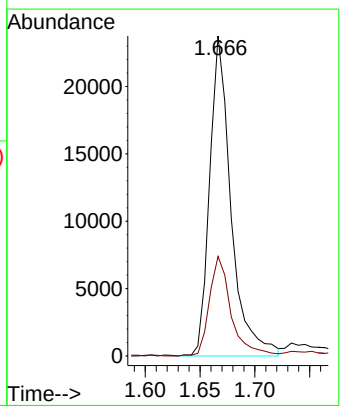
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

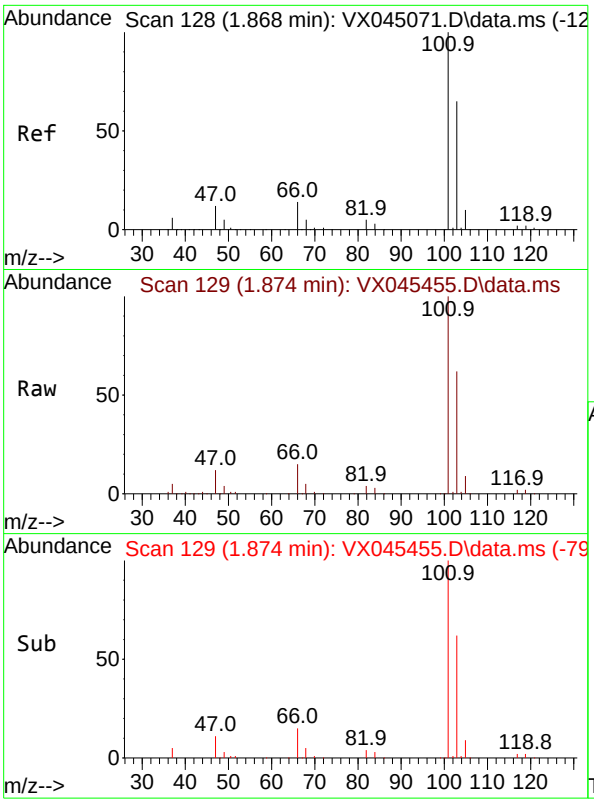


#6
Chloroethane
Concen: 61.459 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.006 min
Lab File: VX045455.D
Acq: 25 Mar 2025 21:00

Tgt Ion: 64 Resp: 32149

Ion	Ratio	Lower	Upper
64	100		
66	31.1	26.7	40.1

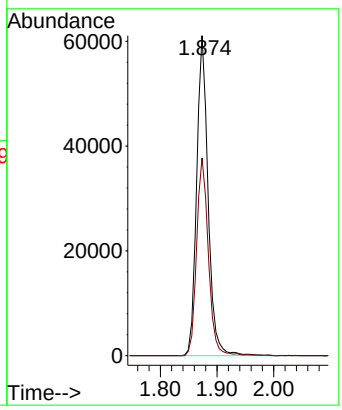




#7
Trichlorofluoromethane
Concen: 57.053 ug/l
RT: 1.874 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045455.D
Acq: 25 Mar 2025 21:00

Tgt Ion:101 Resp: 8565

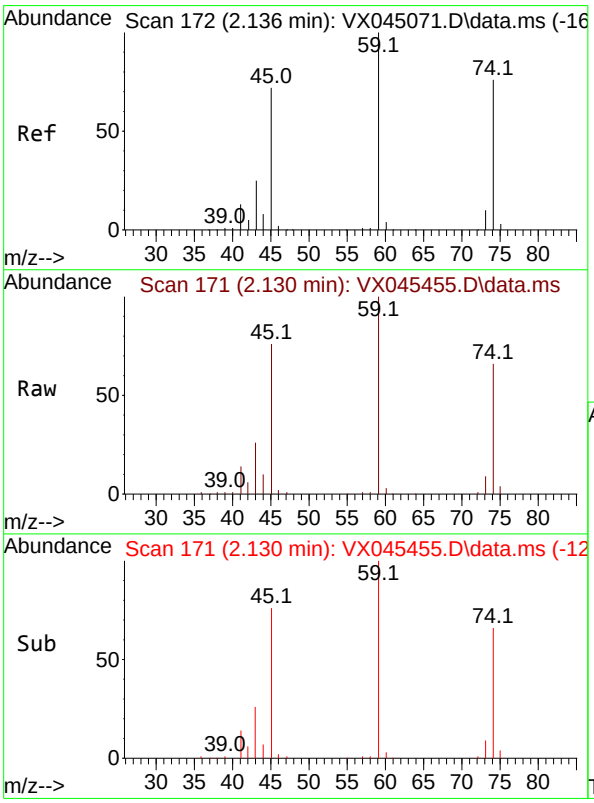
Ion	Ratio	Lower	Upper
101	100		
103	61.8	52.1	78.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

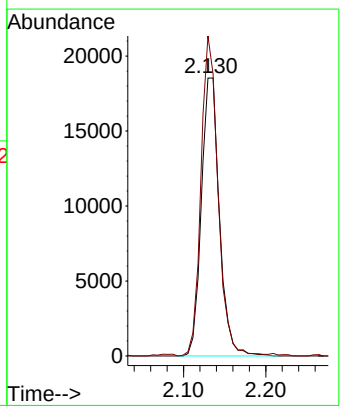
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

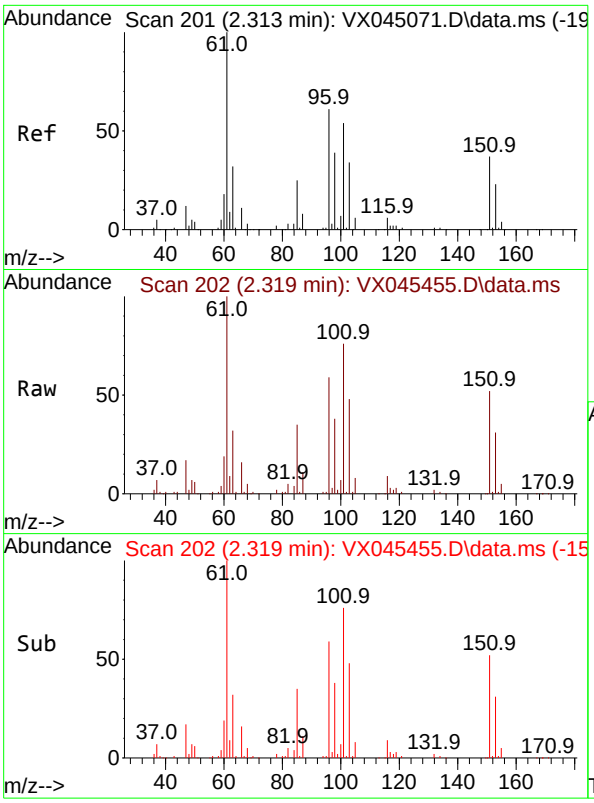


#8
Diethyl Ether
Concen: 48.076 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX045455.D
Acq: 25 Mar 2025 21:00

Tgt Ion: 74 Resp: 28231

Ion	Ratio	Lower	Upper
74	100		
45	109.1	51.5	154.5





#9
1,1,2-Trichlorotrifluoroethane
Concen: 59.961 ug/l
RT: 2.319 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX045455.D
Acq: 25 Mar 2025 21:00

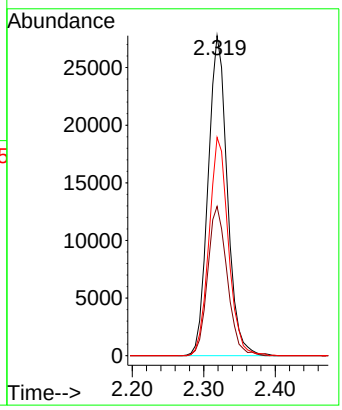
Tgt Ion:101 Resp: 5171

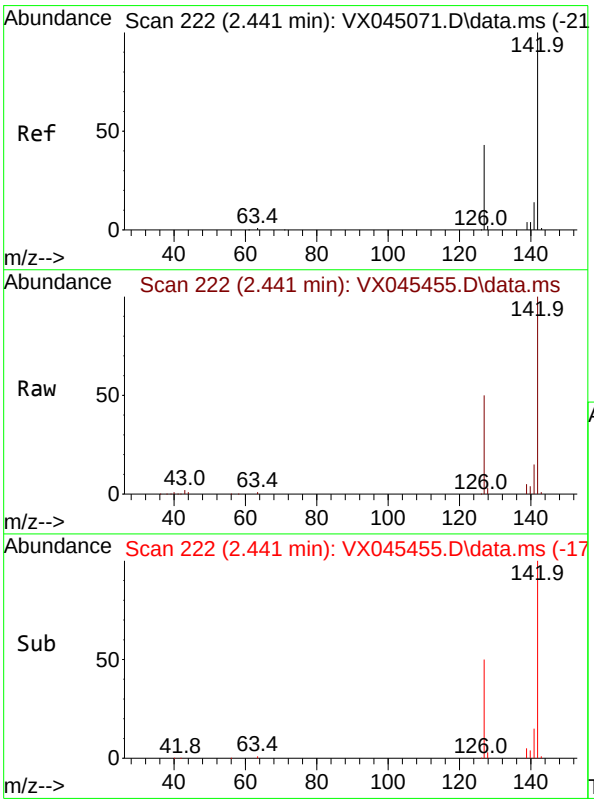
Ion	Ratio	Lower	Upper
101	100		
85	47.6	36.2	54.4
151	68.8	56.4	84.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

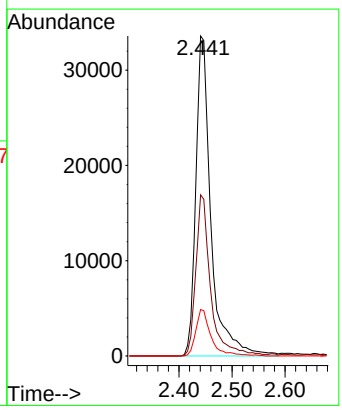


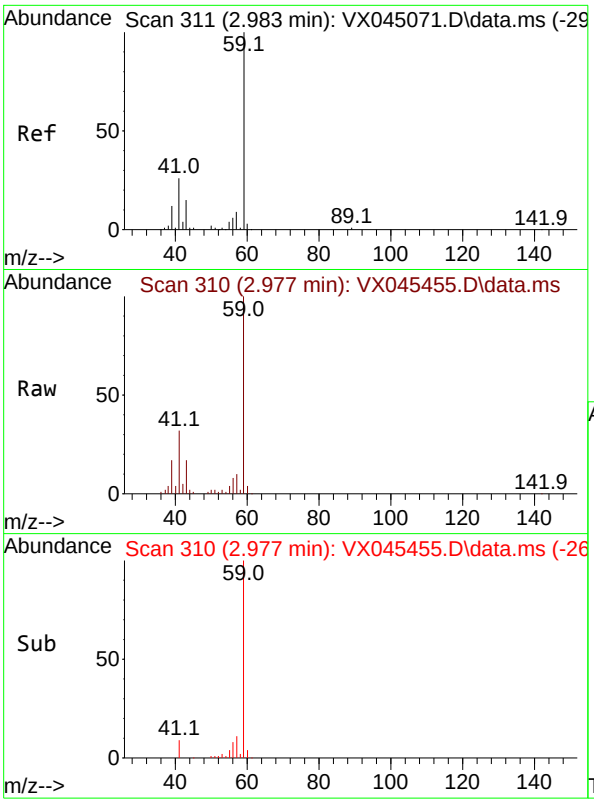


#10
Methyl Iodide
Concen: 61.999 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX045455.D
Acq: 25 Mar 2025 21:00

Tgt Ion:142 Resp: 66828

Ion	Ratio	Lower	Upper
142	100		
127	49.2	35.4	53.2
141	14.6	11.6	17.4

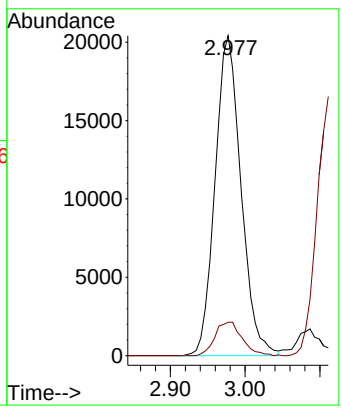




#11
Tert butyl alcohol
Concen: 220.637 ug/l
RT: 2.977 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045455.D
Acq: 25 Mar 2025 21:00

Tgt Ion: 59 Resp: 4933

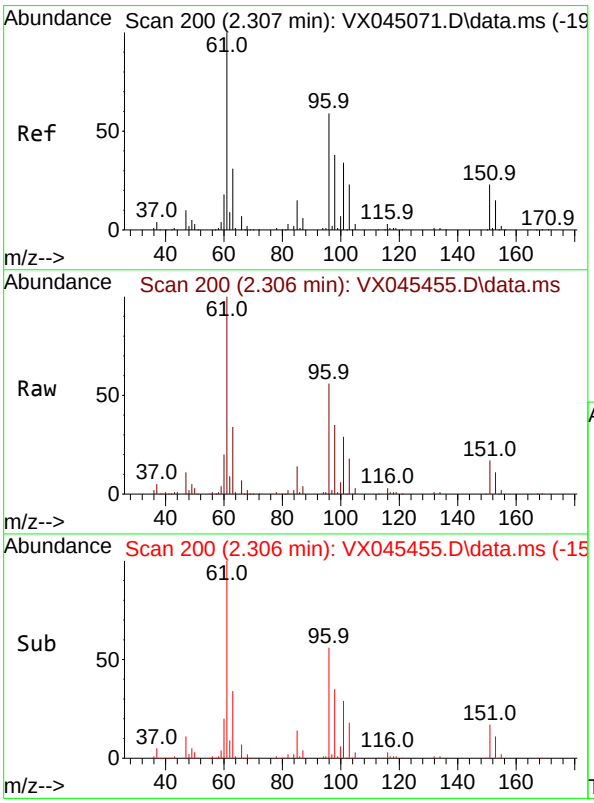
Ion	Ratio	Lower	Upper
59	100		
57	11.0	7.8	11.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

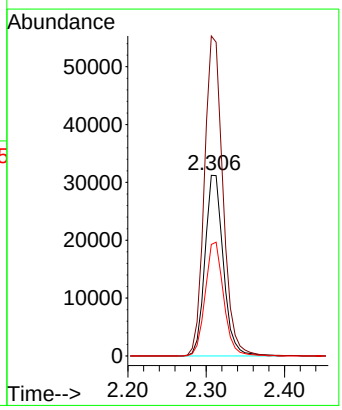
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

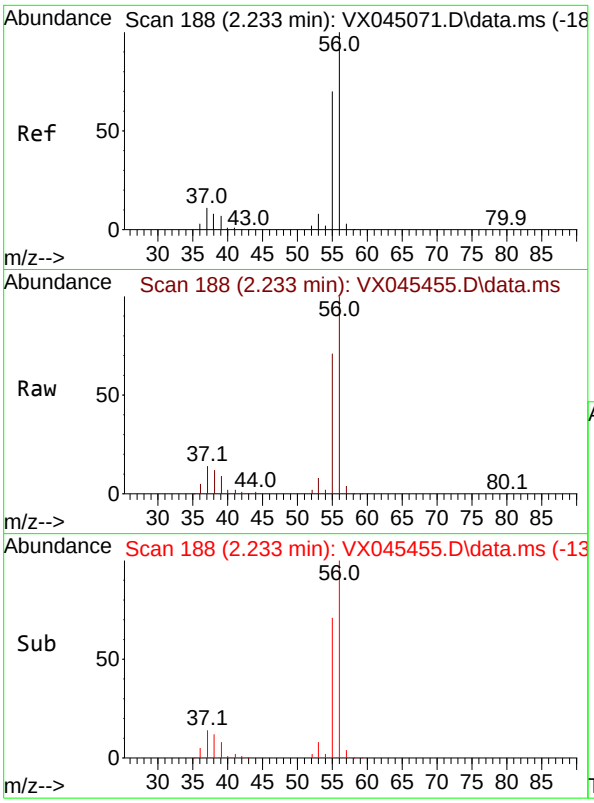


#12
1,1-Dichloroethene
Concen: 55.640 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX045455.D
Acq: 25 Mar 2025 21:00

Tgt Ion: 96 Resp: 50738

Ion	Ratio	Lower	Upper
96	100		
61	177.1	134.6	202.0
98	61.7	51.0	76.6

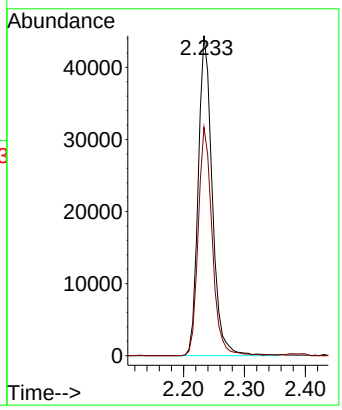




#13
Acrolein
Concen: 274.979 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045455.D
Acq: 25 Mar 2025 21:00

Tgt Ion: 56 Resp: 7107

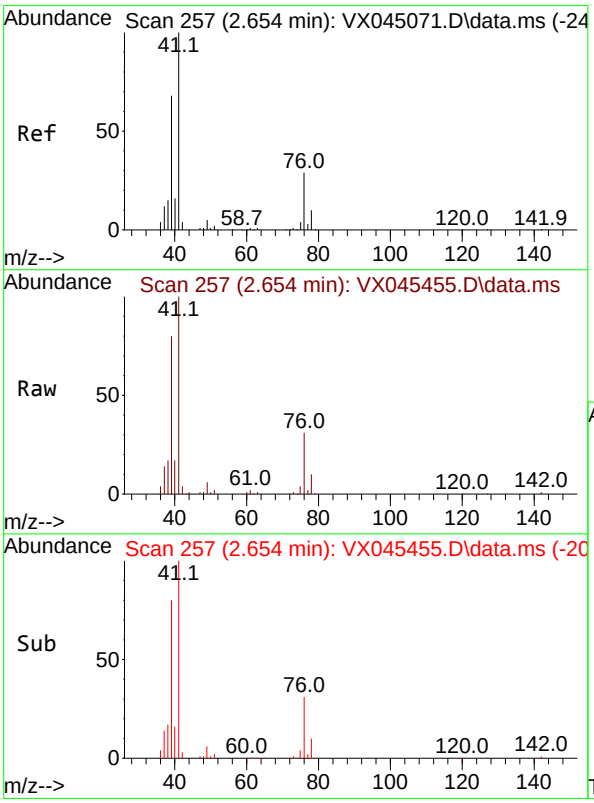
Ion	Ratio	Lower	Upper
56	100		
55	71.1	56.2	84.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

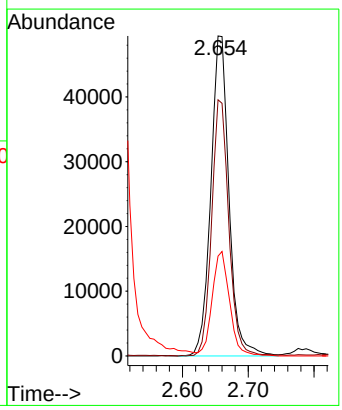
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

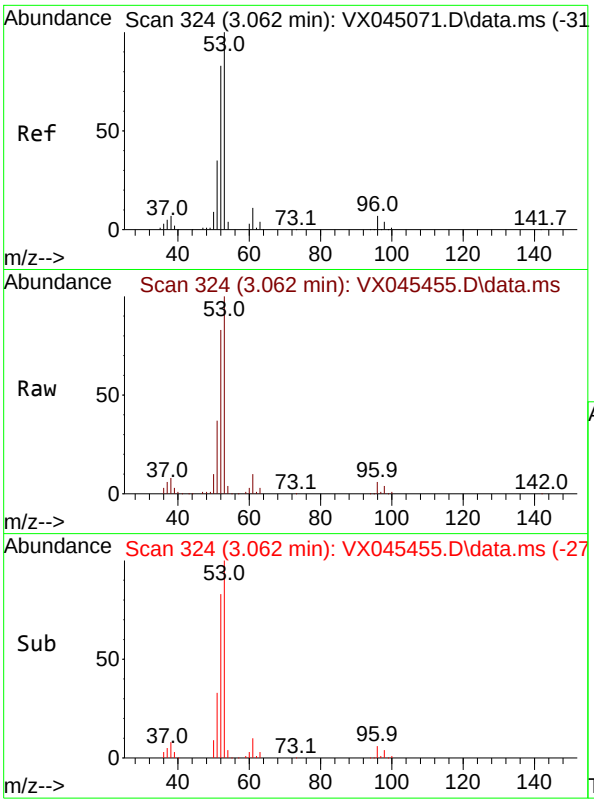


#14
Allyl chloride
Concen: 58.584 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX045455.D
Acq: 25 Mar 2025 21:00

Tgt Ion: 41 Resp: 95094

Ion	Ratio	Lower	Upper
41	100		
39	75.6	53.8	80.8
76	31.5	25.2	37.8

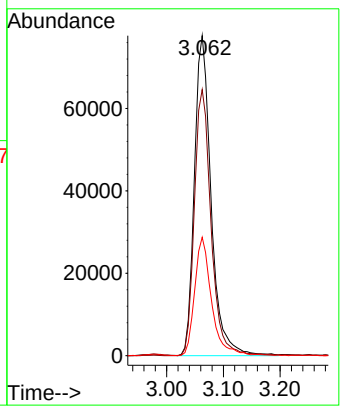




#15
Acrylonitrile
Concen: 265.855 ug/l
RT: 3.062 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045455.D
Acq: 25 Mar 2025 21:00

Tgt Ion: 53 Resp: 15931

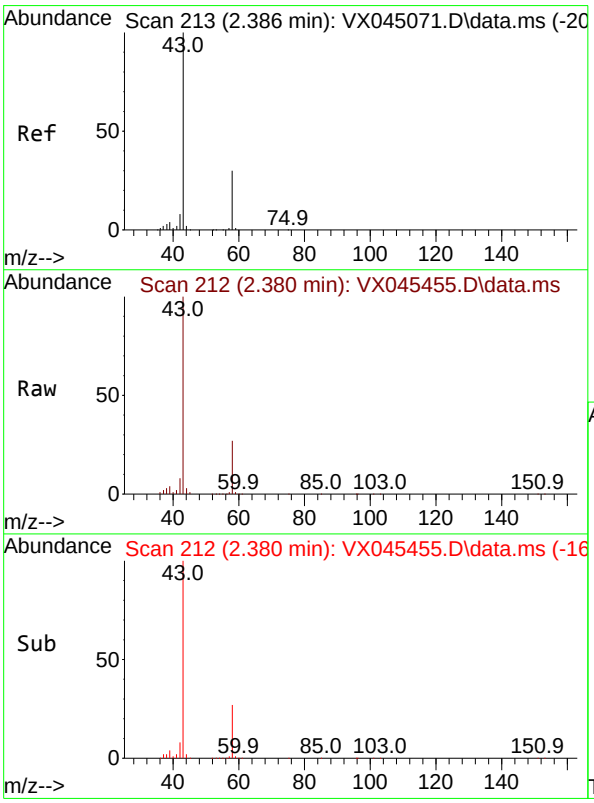
Ion	Ratio	Lower	Upper
53	100		
52	83.5	66.2	99.2
51	37.0	29.0	43.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

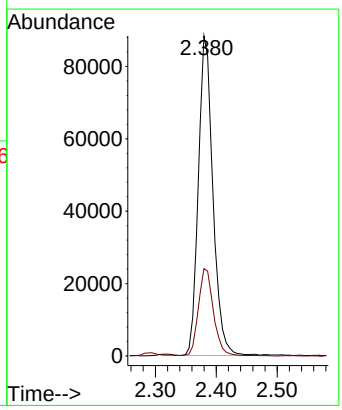
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

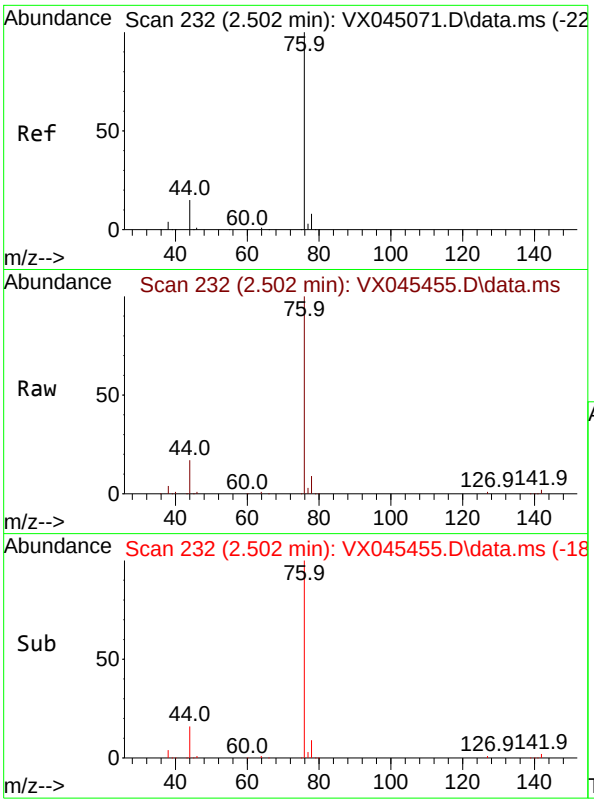


#16
Acetone
Concen: 267.586 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX045455.D
Acq: 25 Mar 2025 21:00

Tgt Ion: 43 Resp: 146553

Ion	Ratio	Lower	Upper
43	100		
58	27.3	24.2	36.4

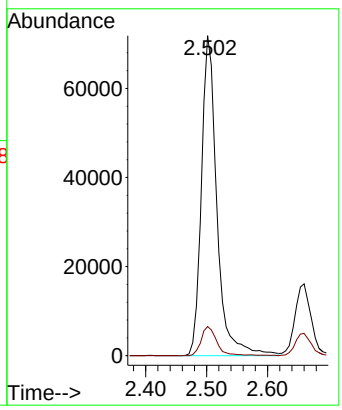




#17
Carbon Disulfide
Concen: 52.381 ug/l
RT: 2.502 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045455.D
Acq: 25 Mar 2025 21:00

Tgt Ion: 76 Resp: 12722

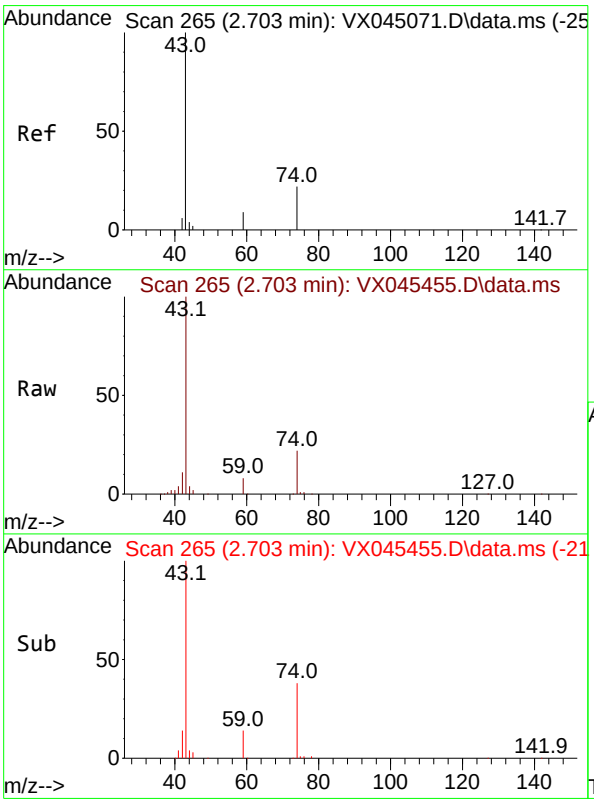
Ion	Ratio	Lower	Upper
76	100		
78	9.1	6.6	9.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

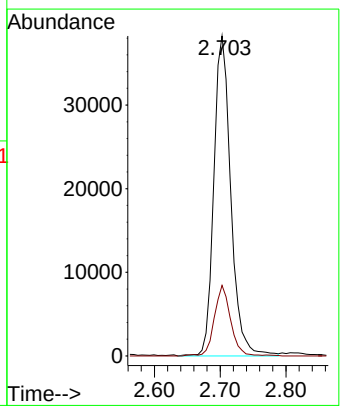
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

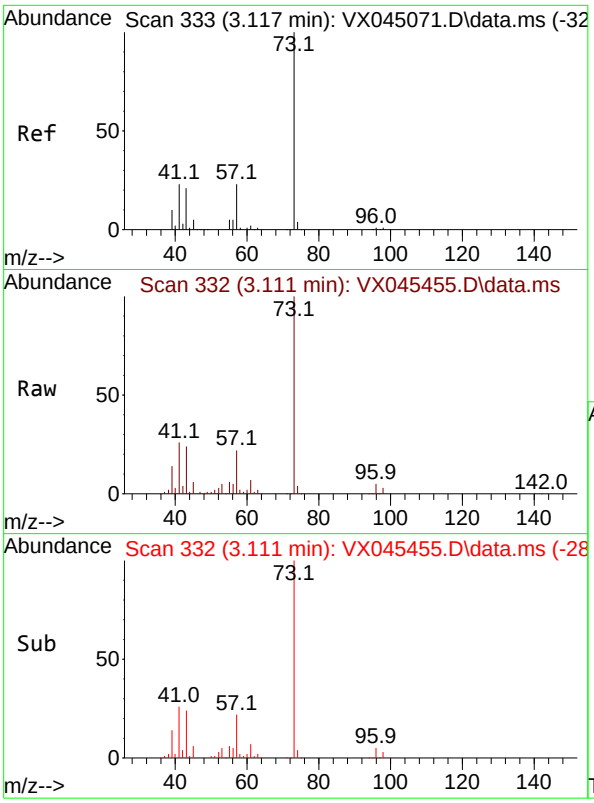


#18
Methyl Acetate
Concen: 52.322 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX045455.D
Acq: 25 Mar 2025 21:00

Tgt Ion: 43 Resp: 68937

Ion	Ratio	Lower	Upper
43	100		
74	21.1	17.4	26.2

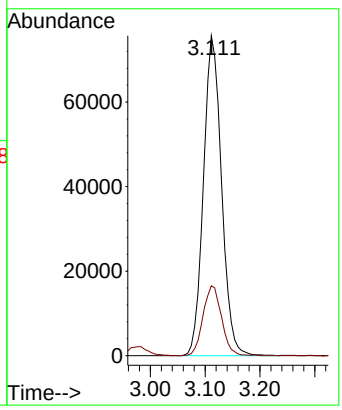




#19
Methyl tert-butyl Ether
Concen: 56.621 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045455.D
Acq: 25 Mar 2025 21:00

Tgt Ion: 73 Resp: 17322

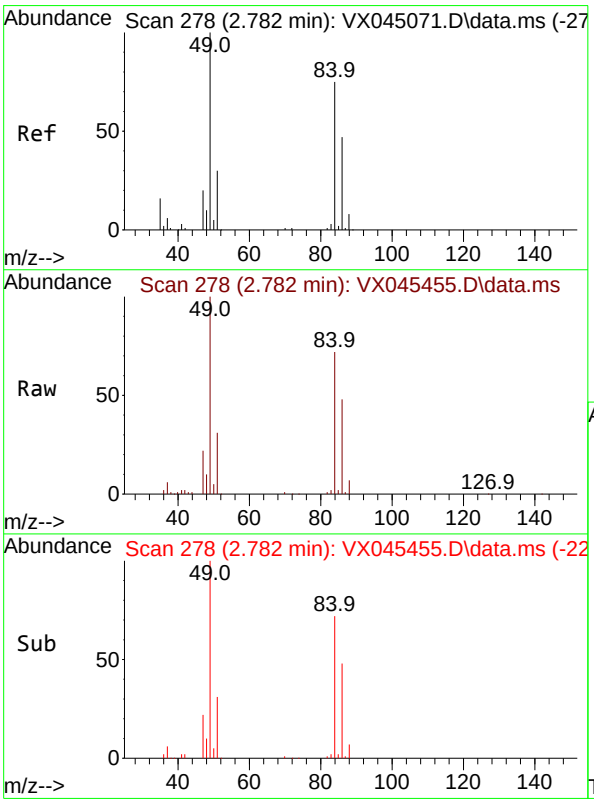
Ion	Ratio	Lower	Upper
73	100		
57	21.8	18.5	27.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

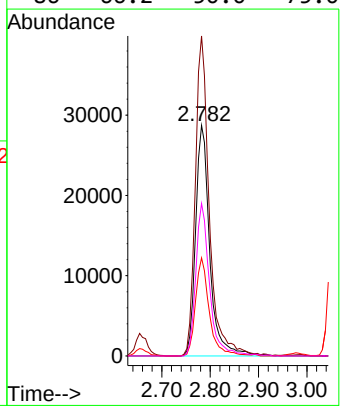
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

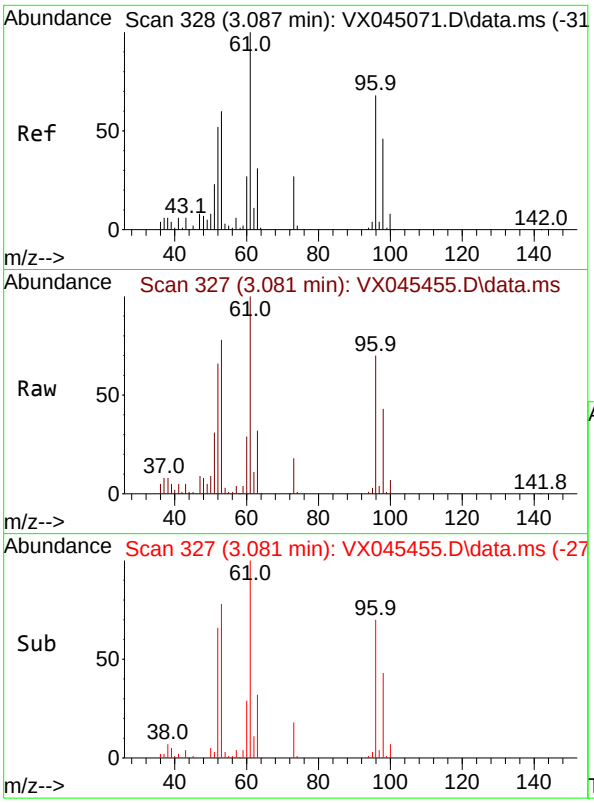


#20
Methylene Chloride
Concen: 53.728 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX045455.D
Acq: 25 Mar 2025 21:00

Tgt Ion: 84 Resp: 58289

Ion	Ratio	Lower	Upper
84	100		
49	138.8	106.5	159.7
51	42.5	32.1	48.1
86	66.2	50.0	75.0





#21
trans-1,2-Dichloroethene
Concen: 57.338 ug/l
RT: 3.081 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045455.D
Acq: 25 Mar 2025 21:00

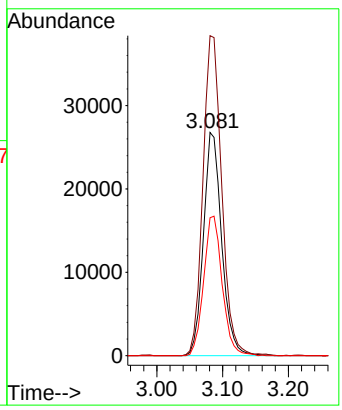
Tgt Ion: 96 Resp: 5165

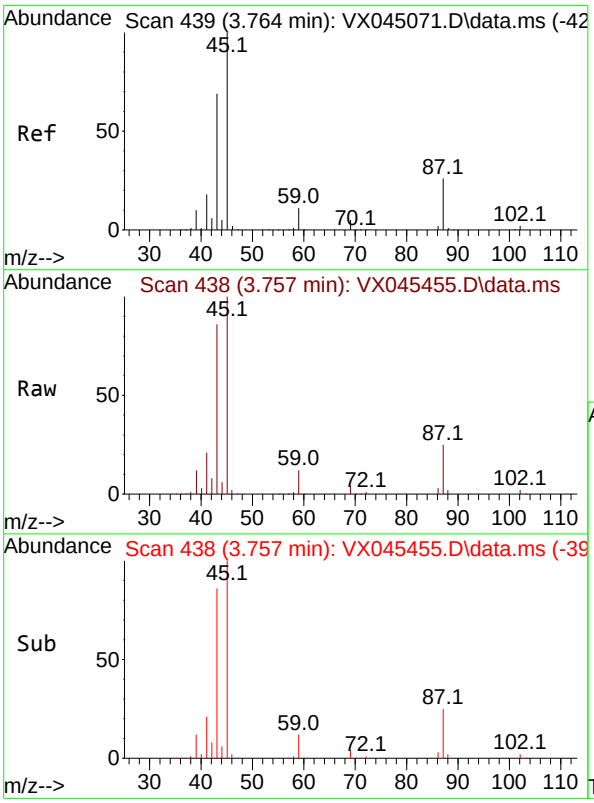
Ion	Ratio	Lower	Upper
96	100		
61	143.4	117.0	175.4
98	61.8	53.4	80.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

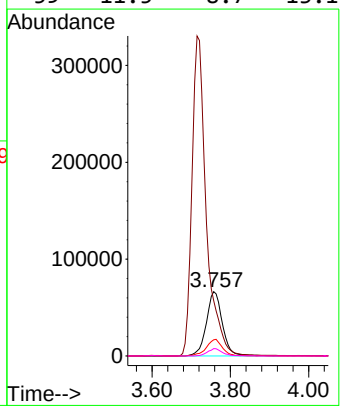


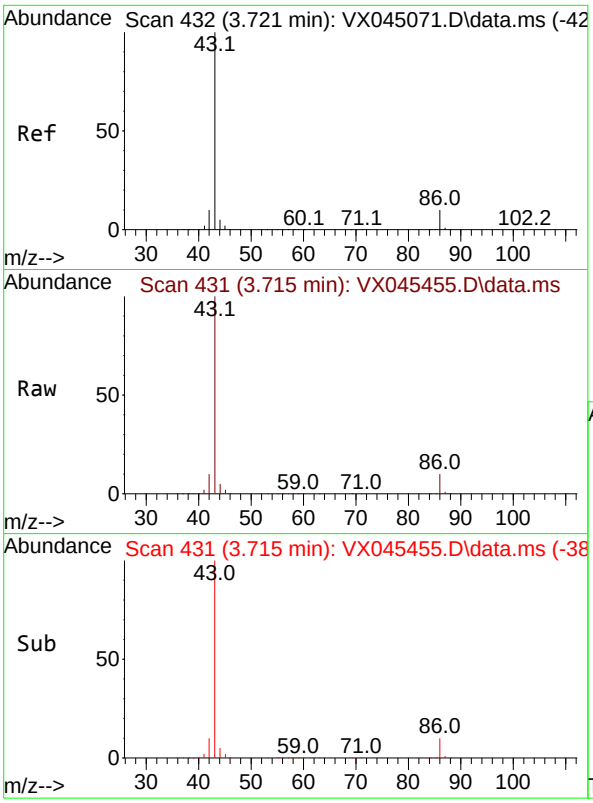


#22
Diisopropyl ether
Concen: 56.926 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.006 min
Lab File: VX045455.D
Acq: 25 Mar 2025 21:00

Tgt Ion: 45 Resp: 187925

Ion	Ratio	Lower	Upper
45	100		
43	85.8	54.9	82.3#
87	25.2	21.0	31.4
59	11.5	8.7	13.1





#23
Vinyl Acetate
Concen: 307.283 ug/l
RT: 3.715 min Scan# 4
Delta R.T. -0.006 min
Lab File: VX045455.D
Acq: 25 Mar 2025 21:00

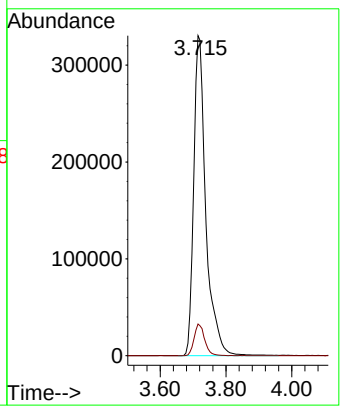
Tgt Ion: 43 Resp: 84653

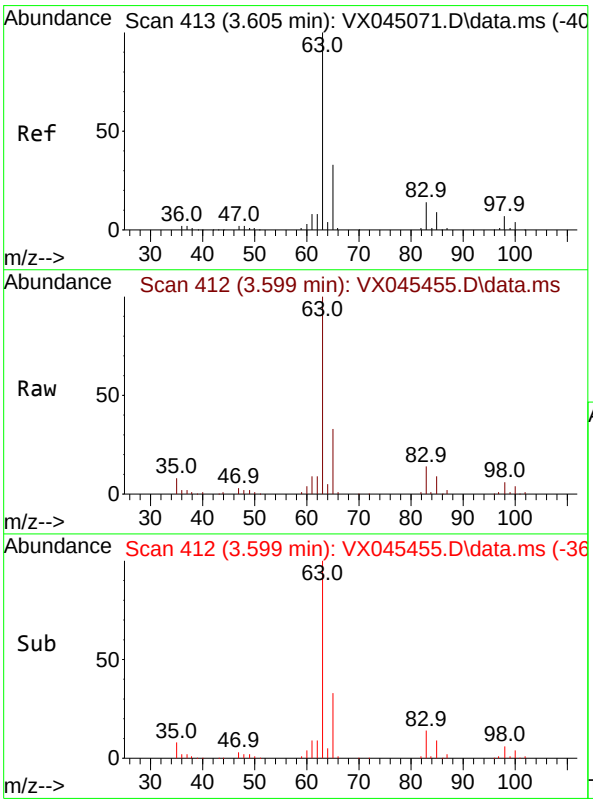
Ion	Ratio	Lower	Upper
43	100		
86	9.9	8.1	12.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

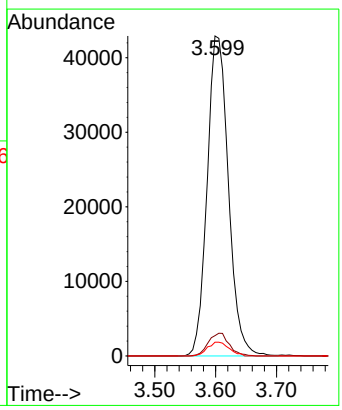


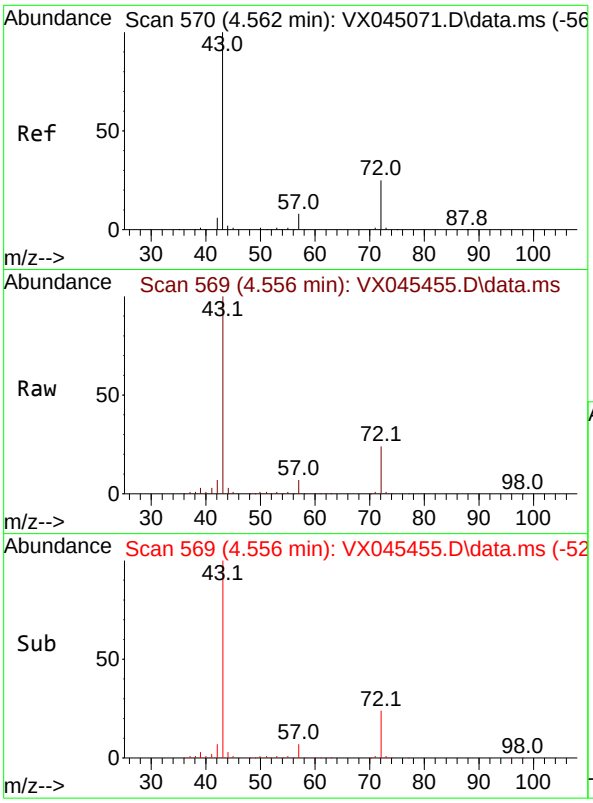


#24
1,1-Dichloroethane
Concen: 56.314 ug/l
RT: 3.599 min Scan# 412
Delta R.T. -0.006 min
Lab File: VX045455.D
Acq: 25 Mar 2025 21:00

Tgt Ion: 63 Resp: 104188

Ion	Ratio	Lower	Upper
63	100		
98	6.4	3.4	10.2
100	4.3	2.1	6.5

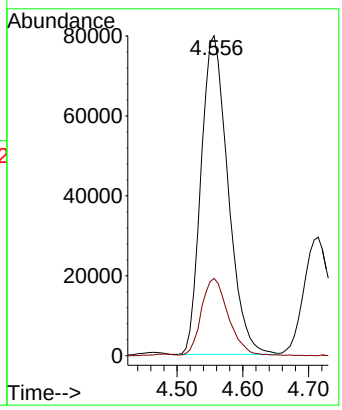




#25
2-Butanone
Concen: 275.806 ug/l
RT: 4.556 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX045455.D
Acq: 25 Mar 2025 21:00

Tgt Ion: 43 Resp: 22737

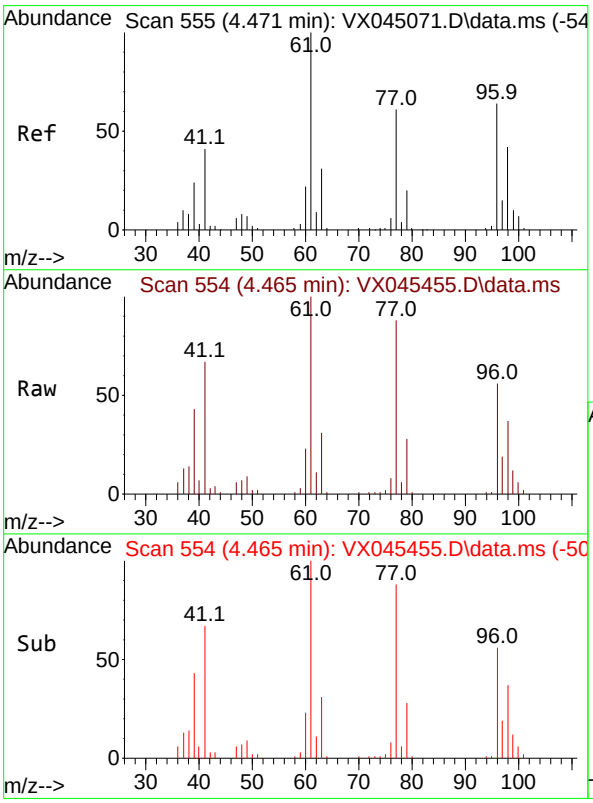
Ion	Ratio	Lower	Upper
43	100		
72	24.0	20.0	30.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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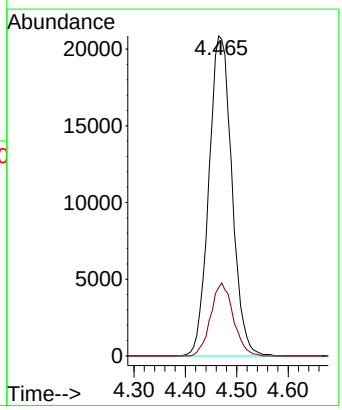
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

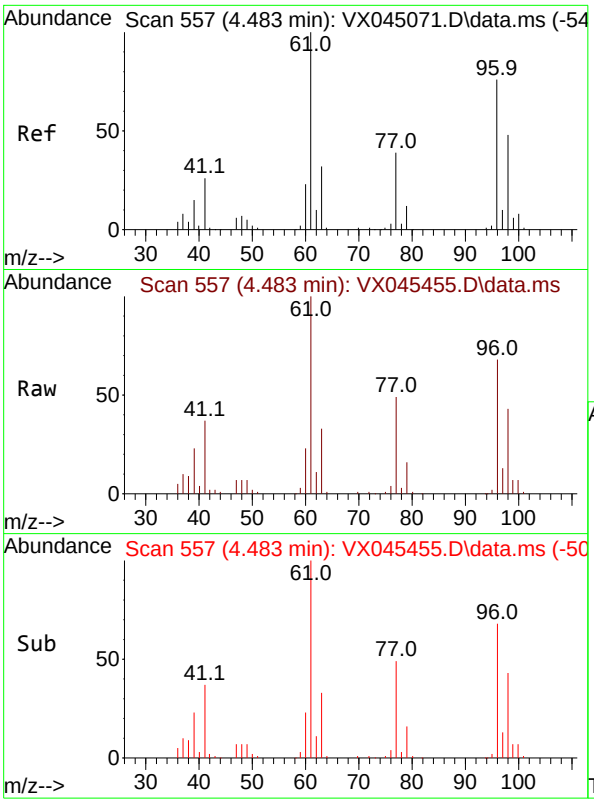


#26
2,2-Dichloropropane
Concen: 74.708 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.006 min
Lab File: VX045455.D
Acq: 25 Mar 2025 21:00

Tgt Ion: 77 Resp: 64832

Ion	Ratio	Lower	Upper
77	100		
97	22.4	12.4	37.0





#27
cis-1,2-Dichloroethene
Concen: 55.084 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045455.D
Acq: 25 Mar 2025 21:00

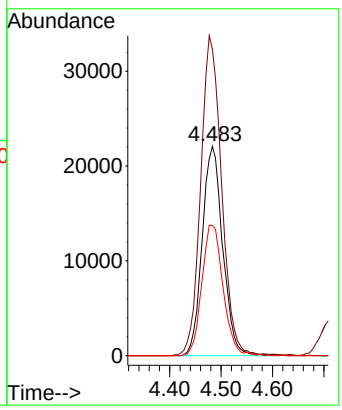
Tgt Ion: 96 Resp: 6125

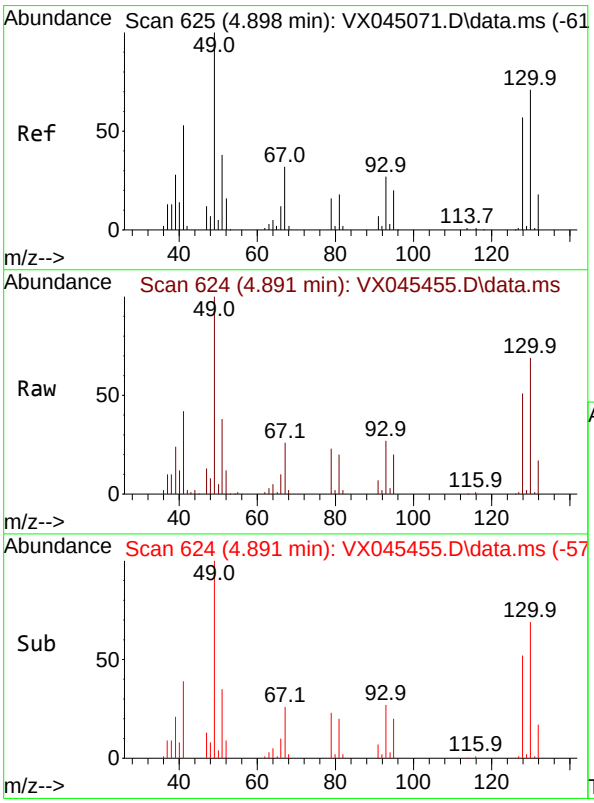
Ion	Ratio	Lower	Upper
96	100		
61	155.7	0.0	283.2
98	64.3	0.0	128.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

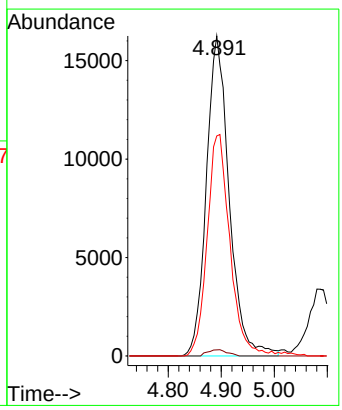


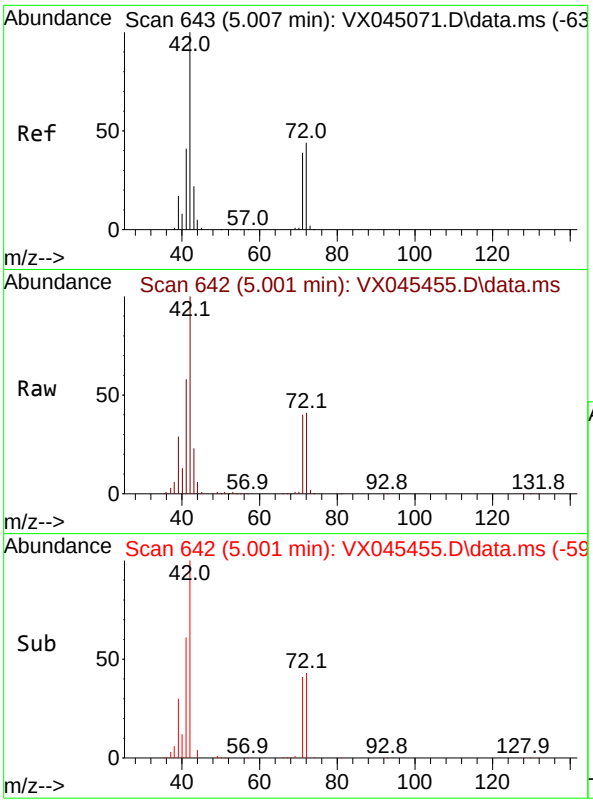


#28
Bromochloromethane
Concen: 55.038 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX045455.D
Acq: 25 Mar 2025 21:00

Tgt Ion: 49 Resp: 48535

Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.4
130	68.6	56.1	84.1





#29
Tetrahydrofuran
Concen: 262.606 ug/l
RT: 5.001 min Scan# 64
Delta R.T. -0.006 min
Lab File: VX045455.D
Acq: 25 Mar 2025 21:00

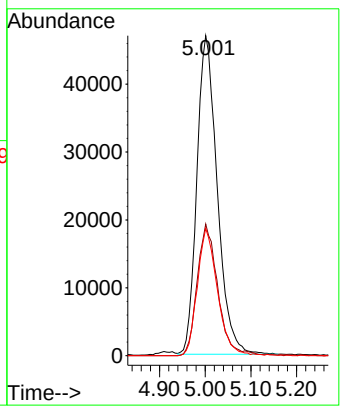
Tgt Ion: 42 Resp: 14538

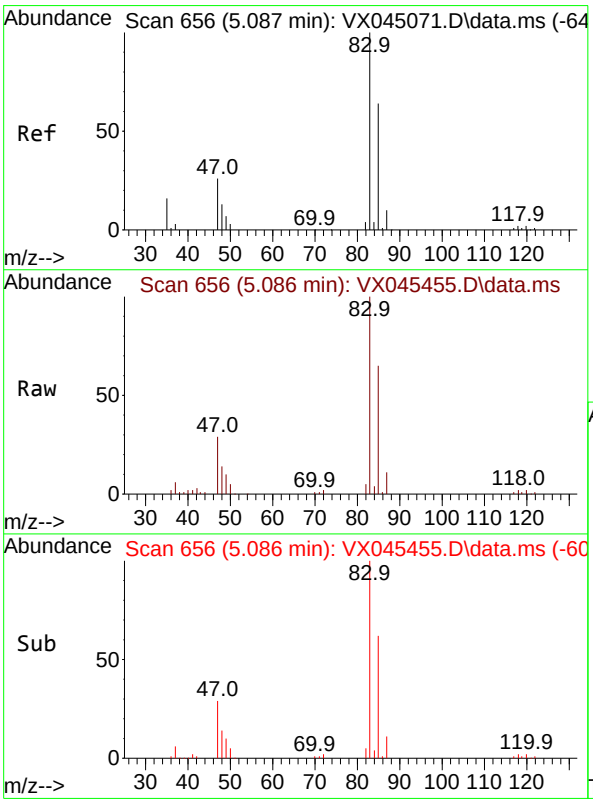
Ion	Ratio	Lower	Upper
42	100		
72	41.6	34.1	51.1
71	39.3	31.4	47.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

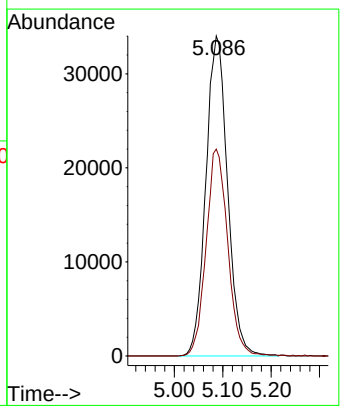


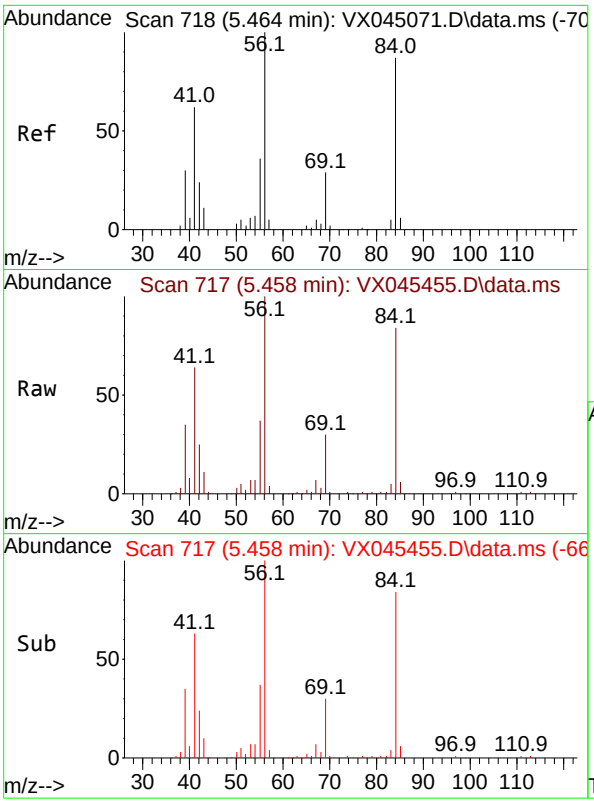


#30
Chloroform
Concen: 57.585 ug/l
RT: 5.086 min Scan# 656
Delta R.T. -0.000 min
Lab File: VX045455.D
Acq: 25 Mar 2025 21:00

Tgt Ion: 83 Resp: 105858

Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.4	77.2

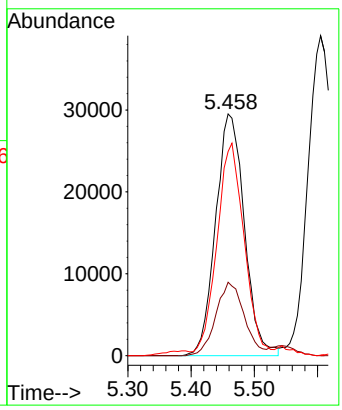




#31
Cyclohexane
Concen: 57.952 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045455.D
Acq: 25 Mar 2025 21:00

Tgt Ion: 56 Resp: 9307

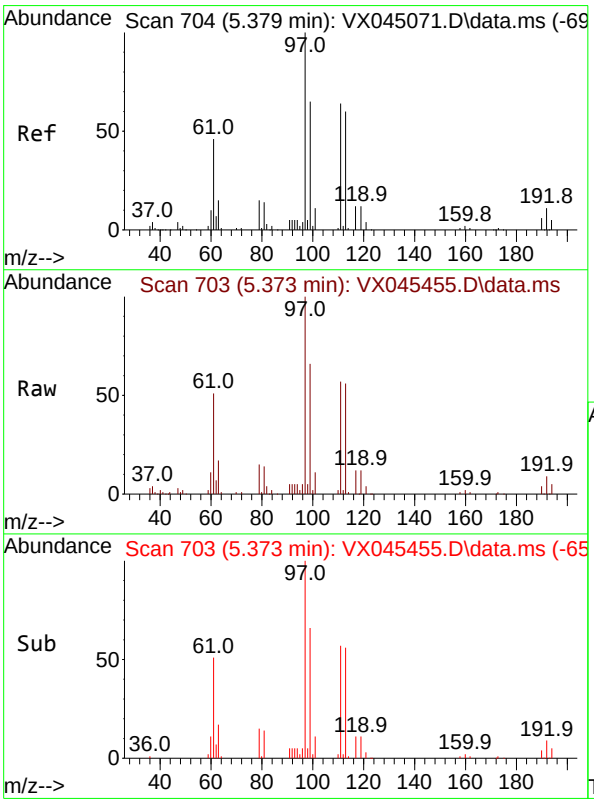
Ion	Ratio	Lower	Upper
56	100		
69	30.4	23.4	35.2
84	82.7	69.4	104.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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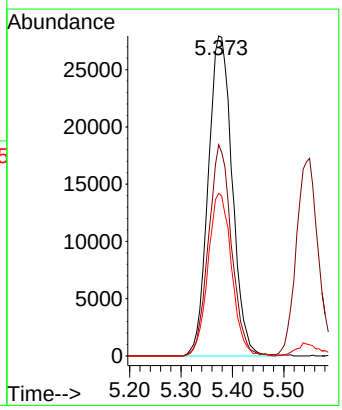
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

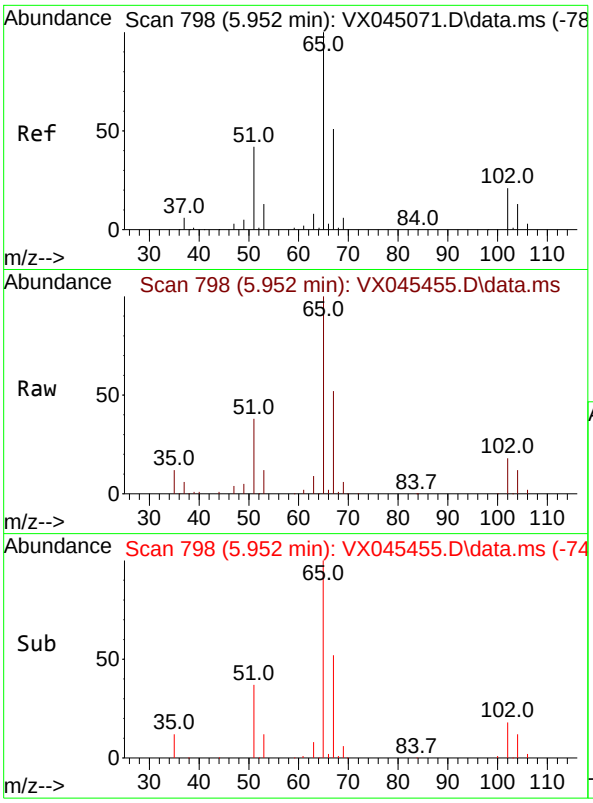


#32
1,1,1-Trichloroethane
Concen: 60.925 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.006 min
Lab File: VX045455.D
Acq: 25 Mar 2025 21:00

Tgt Ion: 97 Resp: 90456

Ion	Ratio	Lower	Upper
97	100		
99	63.2	51.6	77.4
61	50.1	38.4	57.6





#33
1,2-Dichloroethane-d4
Concen: 59.981 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045455.D
Acq: 25 Mar 2025 21:00

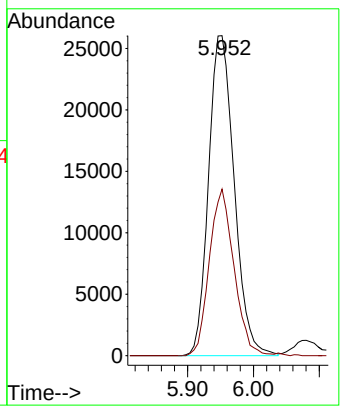
Tgt Ion: 65 Resp: 7080

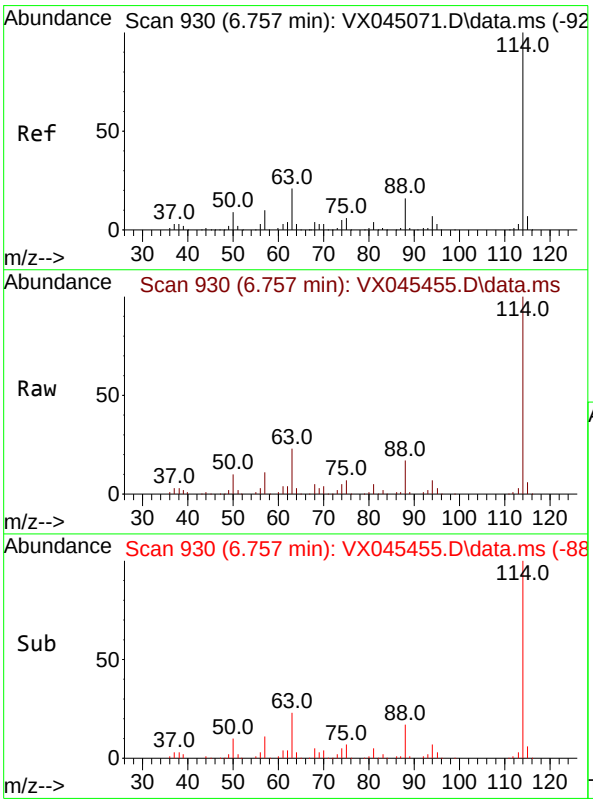
Ion	Ratio	Lower	Upper
65	100		
67	49.9	0.0	106.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

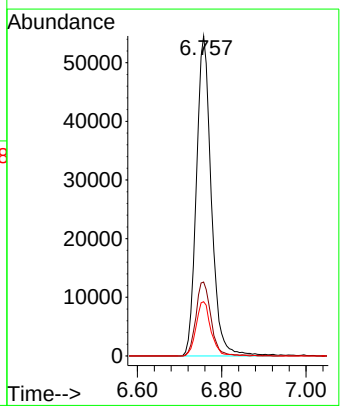


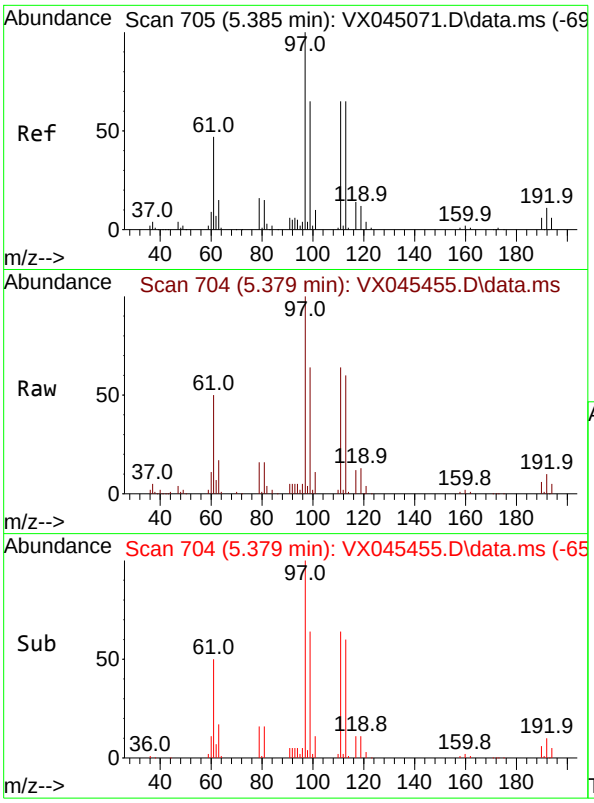


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX045455.D
Acq: 25 Mar 2025 21:00

Tgt Ion:114 Resp: 134524

Ion	Ratio	Lower	Upper
114	100		
63	23.1	0.0	41.8
88	17.0	0.0	32.8

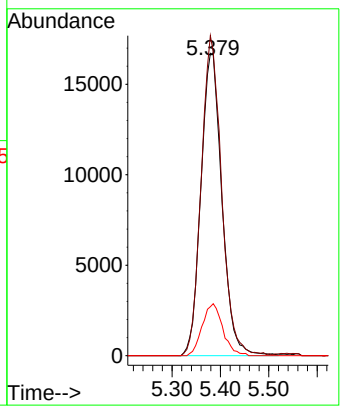




#35
Dibromofluoromethane
Concen: 56.066 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045455.D
Acq: 25 Mar 2025 21:00

Tgt Ion:113 Resp: 5043

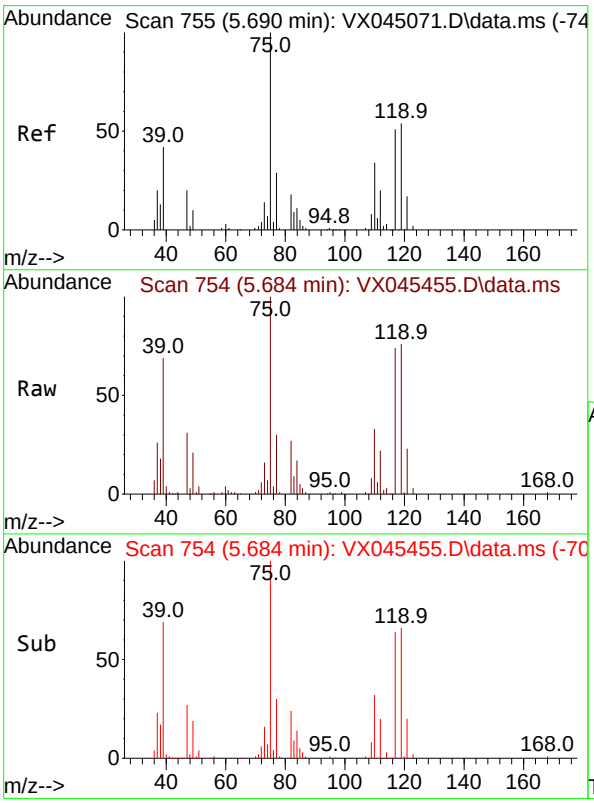
Ion	Ratio	Lower	Upper
113	100		
111	102.5	81.8	122.6
192	16.8	14.3	21.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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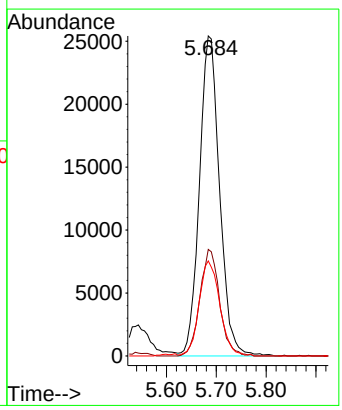
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

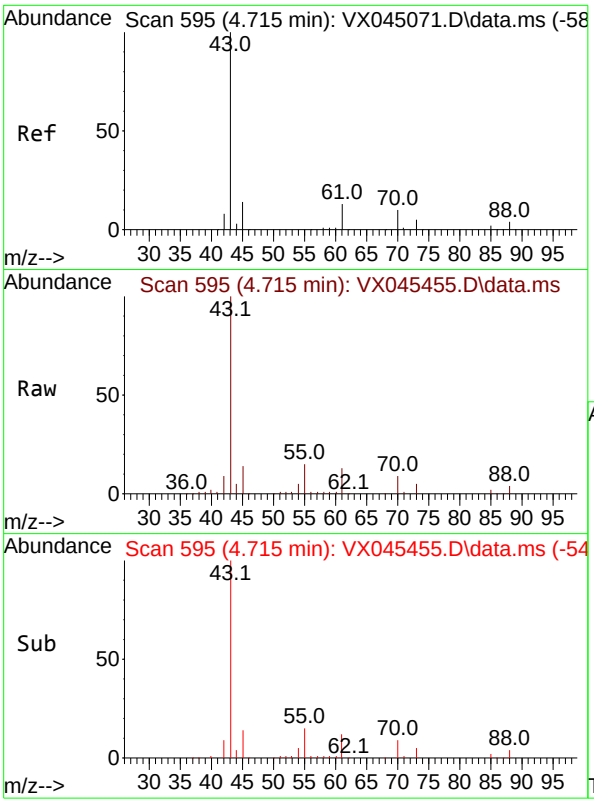


#36
1,1-Dichloropropene
Concen: 57.863 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX045455.D
Acq: 25 Mar 2025 21:00

Tgt Ion: 75 Resp: 71380

Ion	Ratio	Lower	Upper
75	100		
110	32.5	16.9	50.6
77	30.5	24.5	36.7

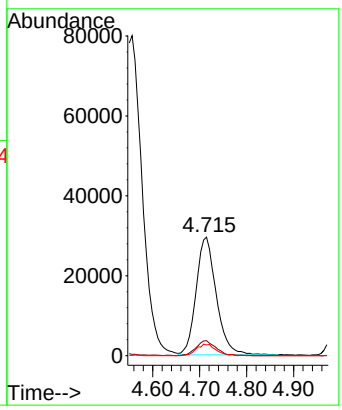




#37
Ethyl Acetate
Concen: 55.438 ug/l
RT: 4.715 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045455.D
Acq: 25 Mar 2025 21:00

Tgt Ion: 43 Resp: 8812

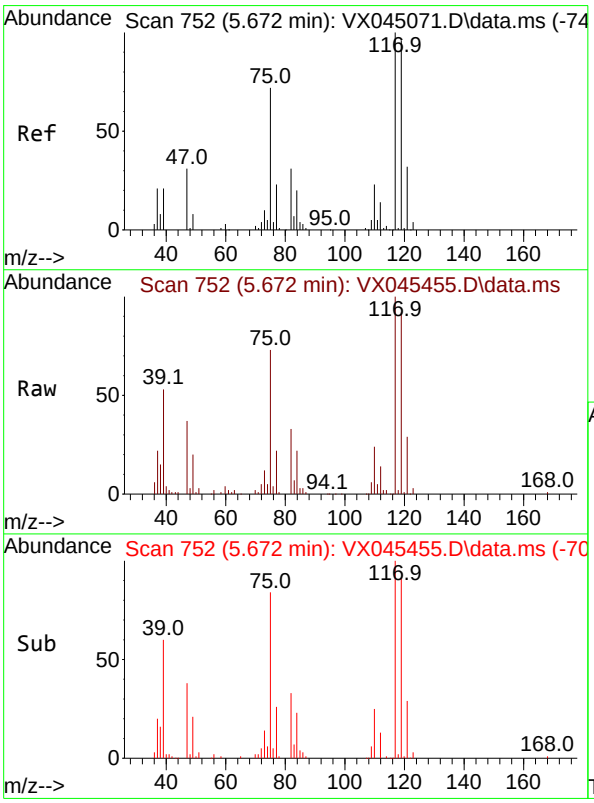
Ion	Ratio	Lower	Upper
43	100		
61	12.7	10.8	16.2
70	9.4	7.7	11.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

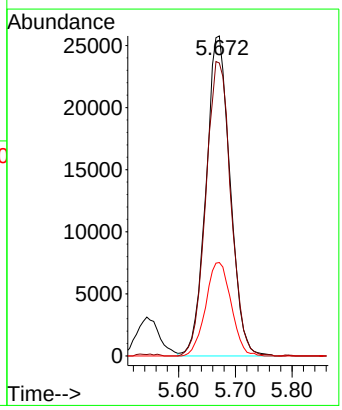
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

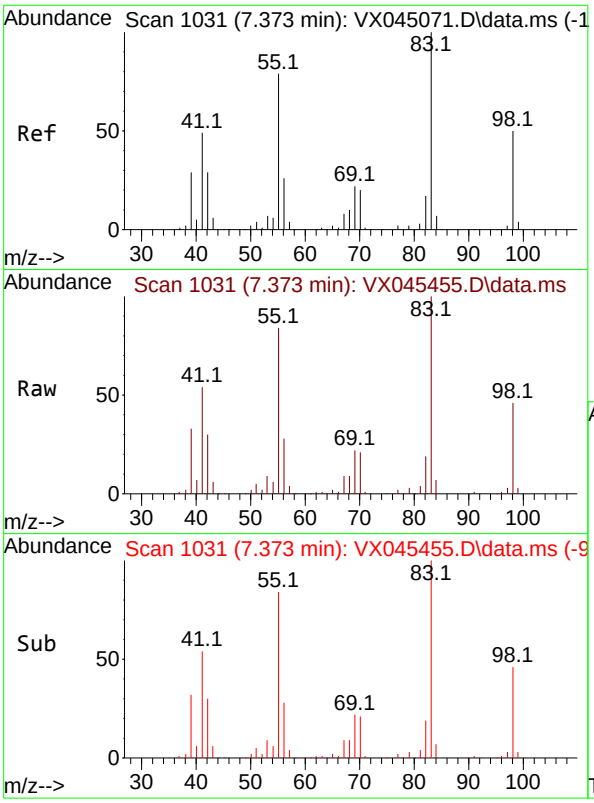


#38
Carbon Tetrachloride
Concen: 60.748 ug/l
RT: 5.672 min Scan# 752
Delta R.T. -0.000 min
Lab File: VX045455.D
Acq: 25 Mar 2025 21:00

Tgt Ion:117 Resp: 76081

Ion	Ratio	Lower	Upper
117	100		
119	91.6	76.7	115.1
121	29.2	25.5	38.3

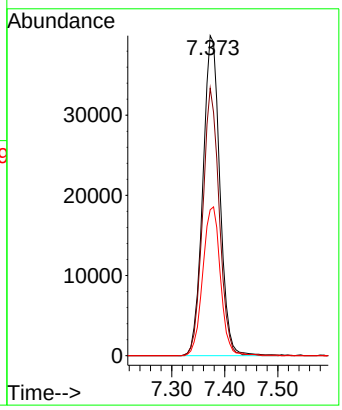




#39
Methylcyclohexane
Concen: 60.220 ug/l
RT: 7.373 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045455.D
Acq: 25 Mar 2025 21:00

Tgt Ion: 83 Resp: 8901

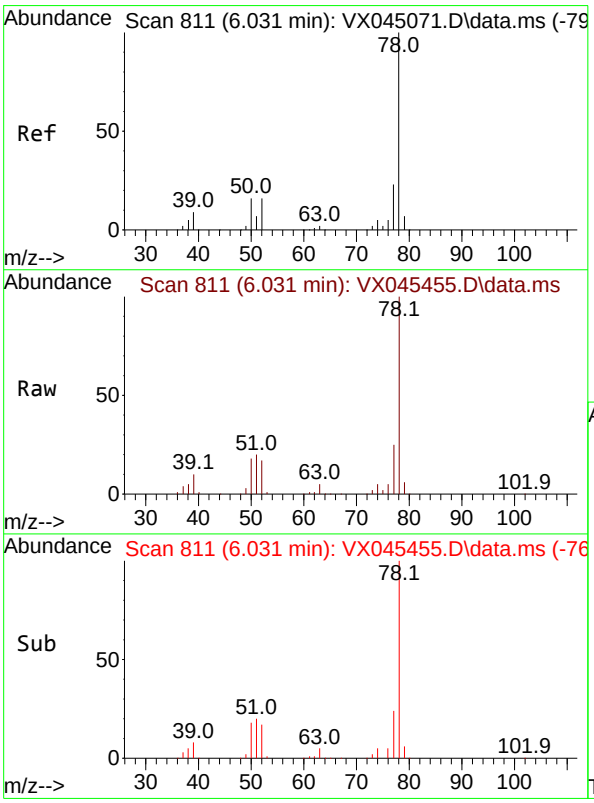
Ion	Ratio	Lower	Upper
83	100		
55	83.6	63.0	94.4
98	45.6	39.7	59.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

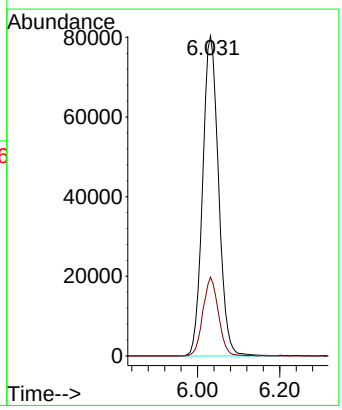
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

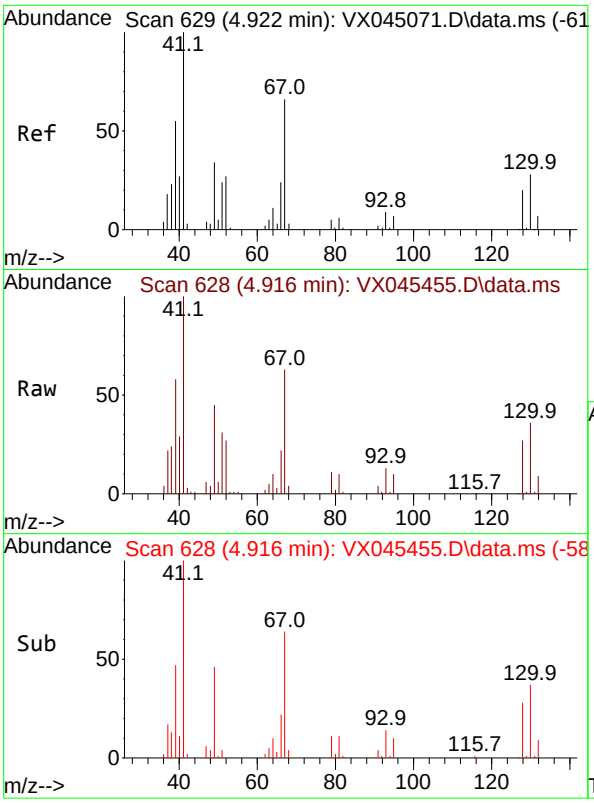


#40
Benzene
Concen: 55.448 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX045455.D
Acq: 25 Mar 2025 21:00

Tgt Ion: 78 Resp: 215997

Ion	Ratio	Lower	Upper
78	100		
77	24.7	18.8	28.2

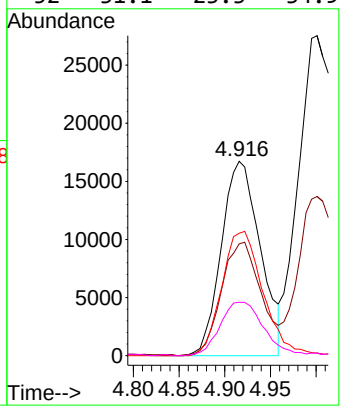




#41
Methacrylonitrile
Concen: 57.777 ug/l
RT: 4.916 min Scan# 6
Delta R.T. -0.006 min
Lab File: VX045455.D
Acq: 25 Mar 2025 21:00

Tgt Ion: 41 Resp: 4966

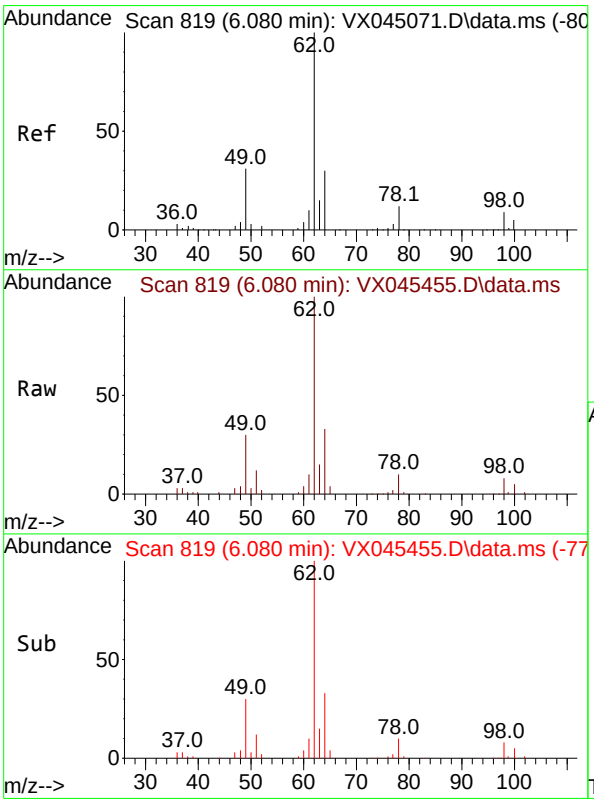
Ion	Ratio	Lower	Upper
41	100		
39	59.4	44.6	67.0
67	68.0	53.9	80.9
52	31.1	23.3	34.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

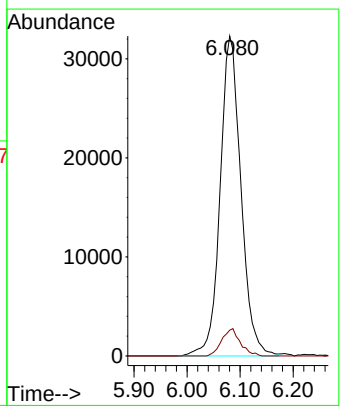
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

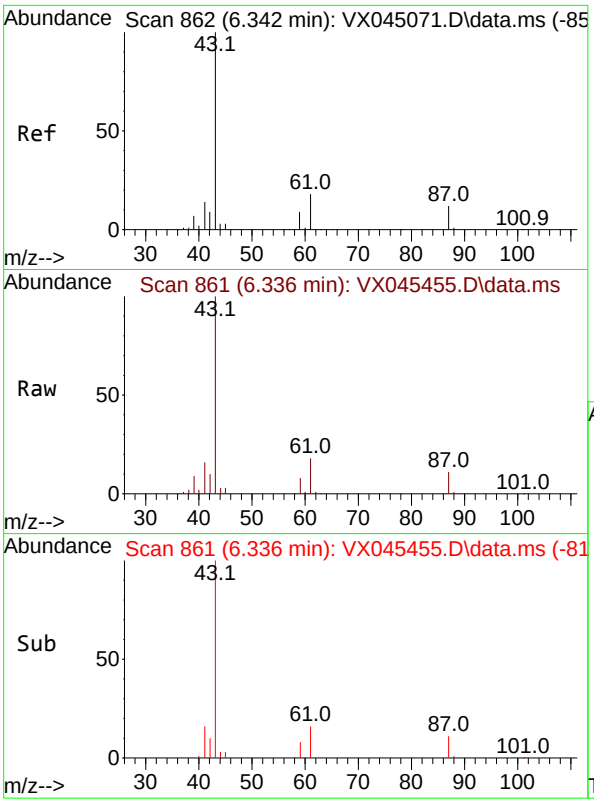


#42
1,2-Dichloroethane
Concen: 62.788 ug/l
RT: 6.080 min Scan# 819
Delta R.T. -0.000 min
Lab File: VX045455.D
Acq: 25 Mar 2025 21:00

Tgt Ion: 62 Resp: 88076

Ion	Ratio	Lower	Upper
62	100		
98	7.6	0.0	18.2

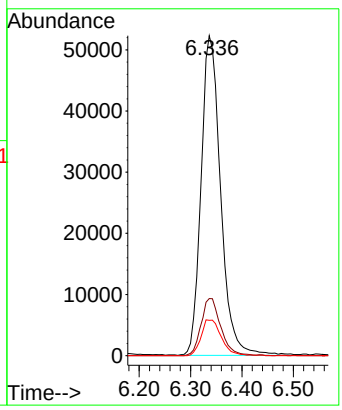




#43
Isopropyl Acetate
Concen: 58.665 ug/l
RT: 6.336 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX045455.D
Acq: 25 Mar 2025 21:00

Tgt Ion: 43 Resp: 13789

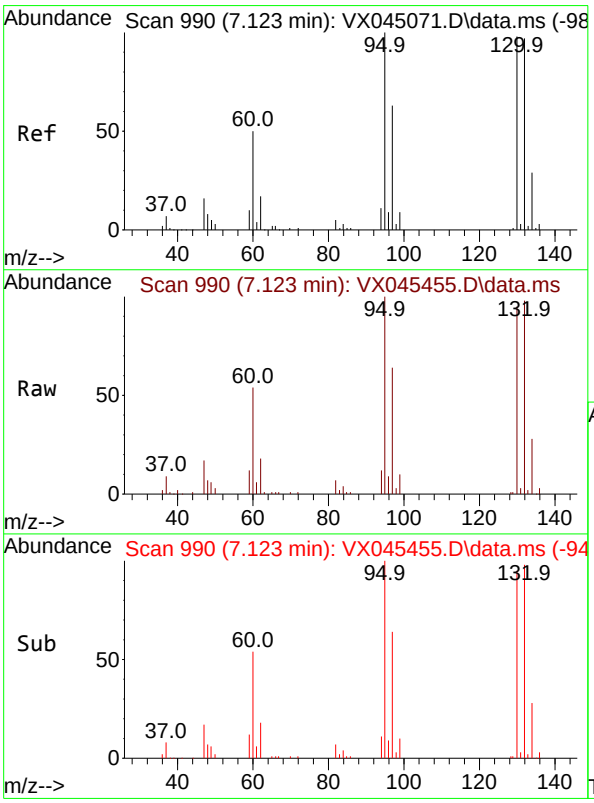
Ion	Ratio	Lower	Upper
43	100		
61	18.0	14.9	22.3
87	11.6	9.4	14.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

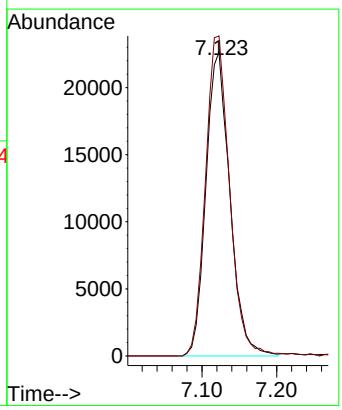
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

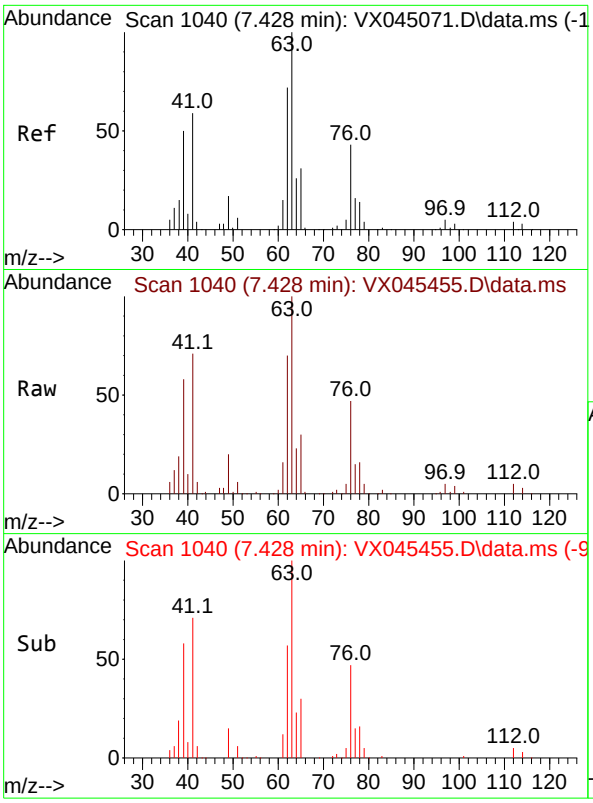


#44
Trichloroethene
Concen: 55.263 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX045455.D
Acq: 25 Mar 2025 21:00

Tgt Ion:130 Resp: 50548

Ion	Ratio	Lower	Upper
130	100		
95	105.3	0.0	205.0

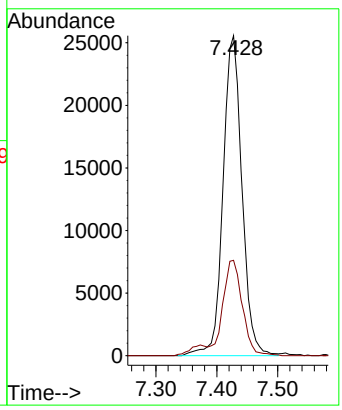




#45
1,2-Dichloropropane
Concen: 55.105 ug/l
RT: 7.428 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045455.D
Acq: 25 Mar 2025 21:00

Tgt Ion: 63 Resp: 5519

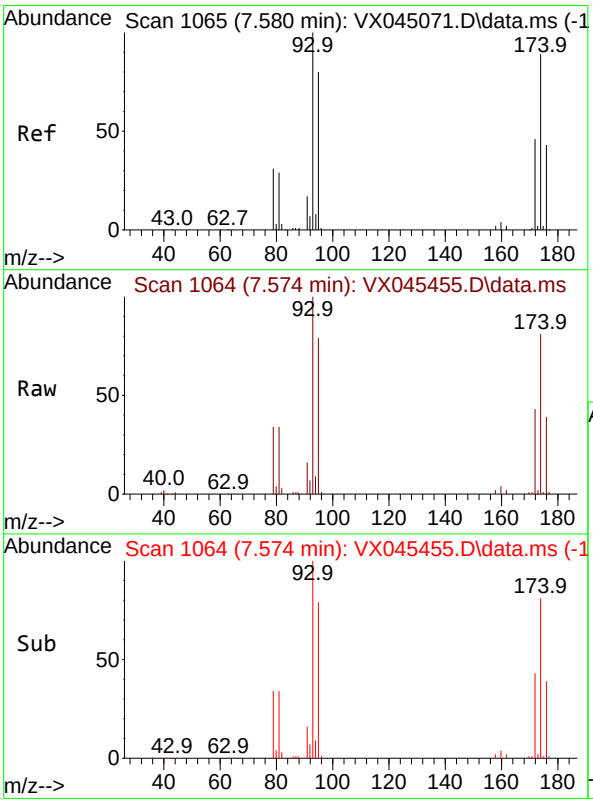
Ion	Ratio	Lower	Upper
63	100		
65	29.5	24.7	37.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

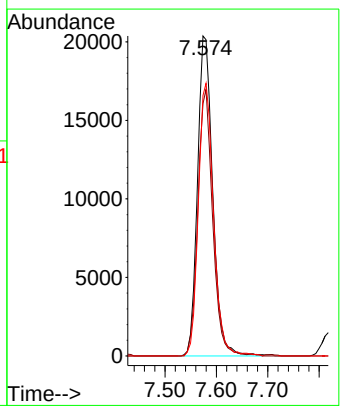
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

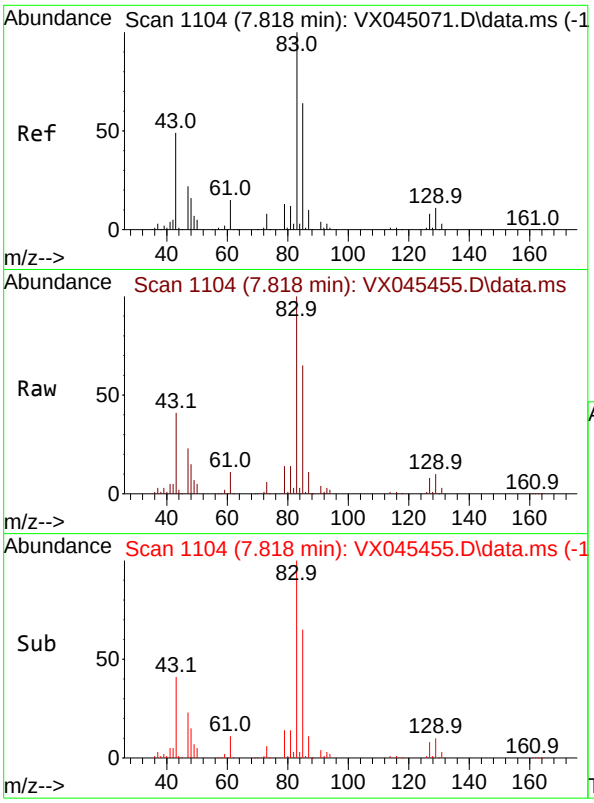


#46
Dibromomethane
Concen: 59.321 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. -0.006 min
Lab File: VX045455.D
Acq: 25 Mar 2025 21:00

Tgt Ion: 93 Resp: 41994

Ion	Ratio	Lower	Upper
93	100		
95	80.8	65.8	98.8
174	85.0	72.2	108.2

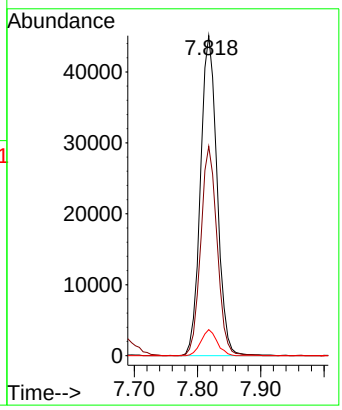




#47
Bromodichloromethane
Concen: 59.321 ug/l
RT: 7.818 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045455.D
Acq: 25 Mar 2025 21:00

Tgt Ion: 83 Resp: 8237

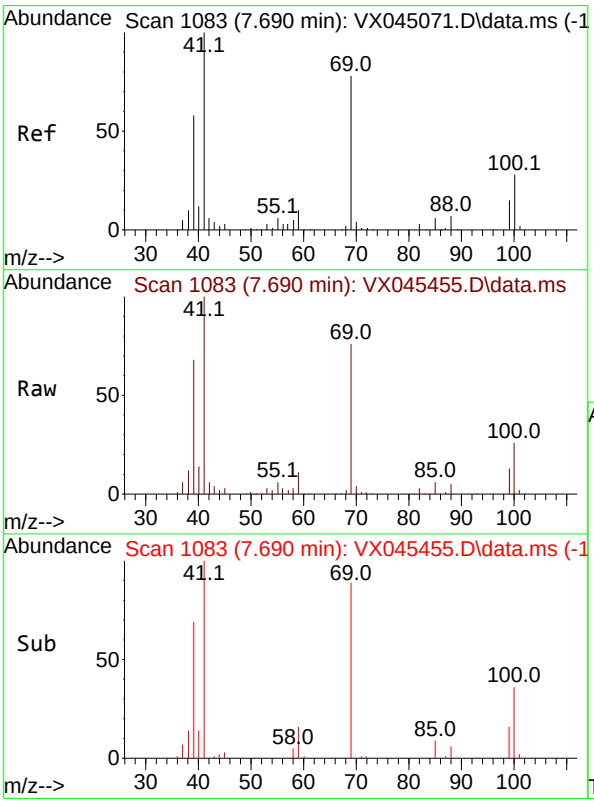
Ion	Ratio	Lower	Upper
83	100		
85	65.4	51.1	76.7
127	8.1	6.4	9.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

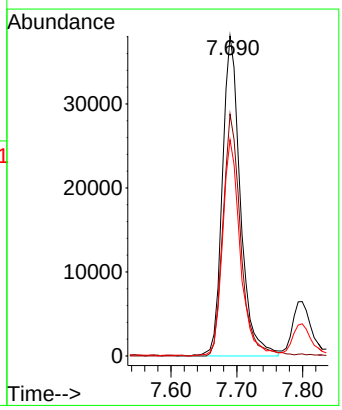
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

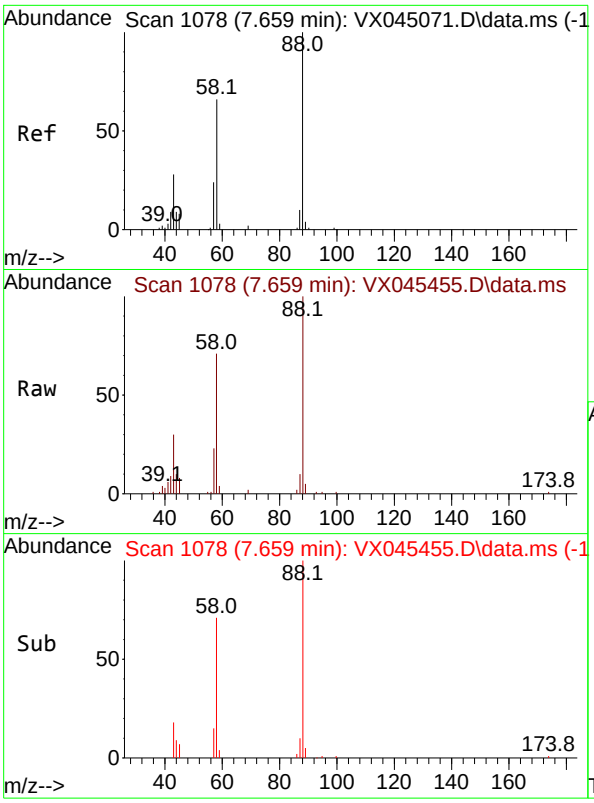


#48
Methyl methacrylate
Concen: 61.434 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. -0.000 min
Lab File: VX045455.D
Acq: 25 Mar 2025 21:00

Tgt Ion: 41 Resp: 72446

Ion	Ratio	Lower	Upper
41	100		
69	74.5	63.0	94.6
39	66.8	47.5	71.3





#49
1,4-Dioxane
Concen: 1006.555 ug/l
RT: 7.659 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045455.D
Acq: 25 Mar 2025 21:00

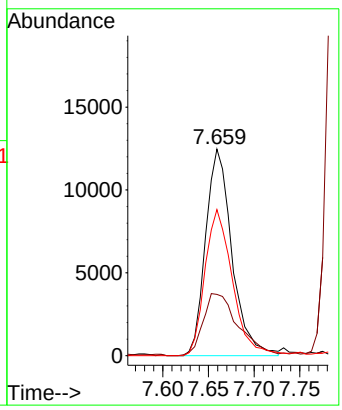
Tgt Ion: 88 Resp: 2503

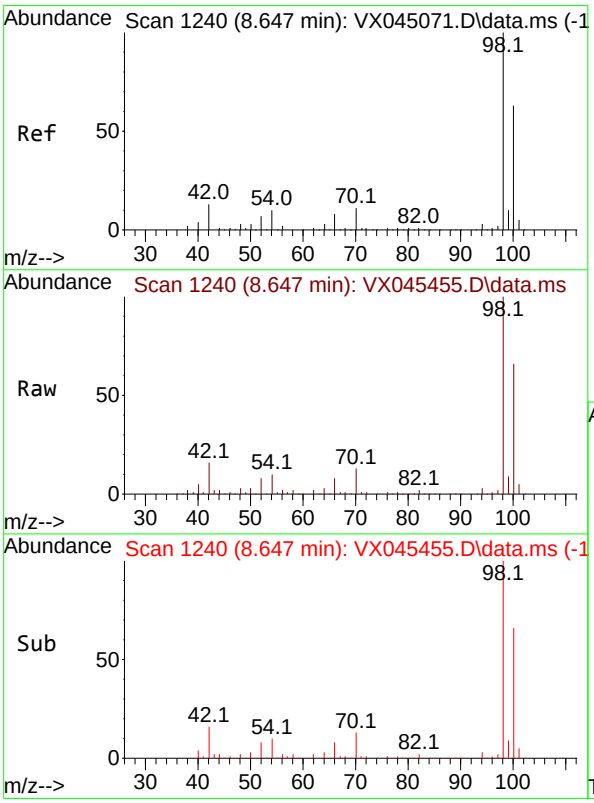
Ion	Ratio	Lower	Upper
88	100		
43	40.3	28.7	43.1
58	73.9	55.8	83.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

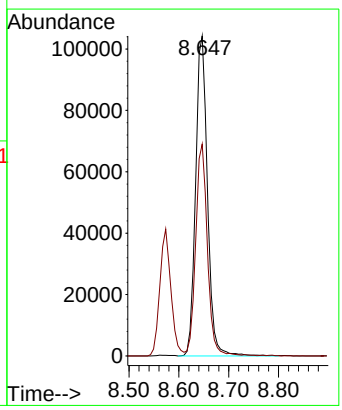


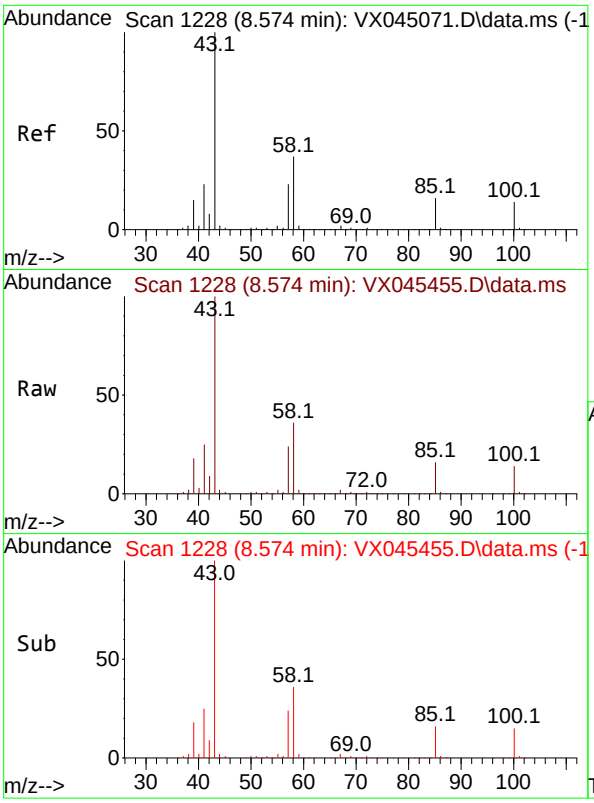


#50
Toluene-d8
Concen: 52.766 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045455.D
Acq: 25 Mar 2025 21:00

Tgt Ion: 98 Resp: 172074

Ion	Ratio	Lower	Upper
98	100		
100	64.7	52.0	78.0

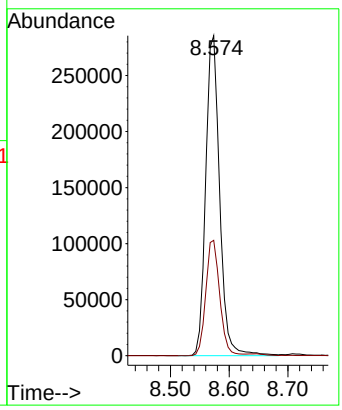




#51
4-Methyl-2-Pentanone
Concen: 298.691 ug/l
RT: 8.574 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045455.D
Acq: 25 Mar 2025 21:00

Tgt Ion: 43 Resp: 47141

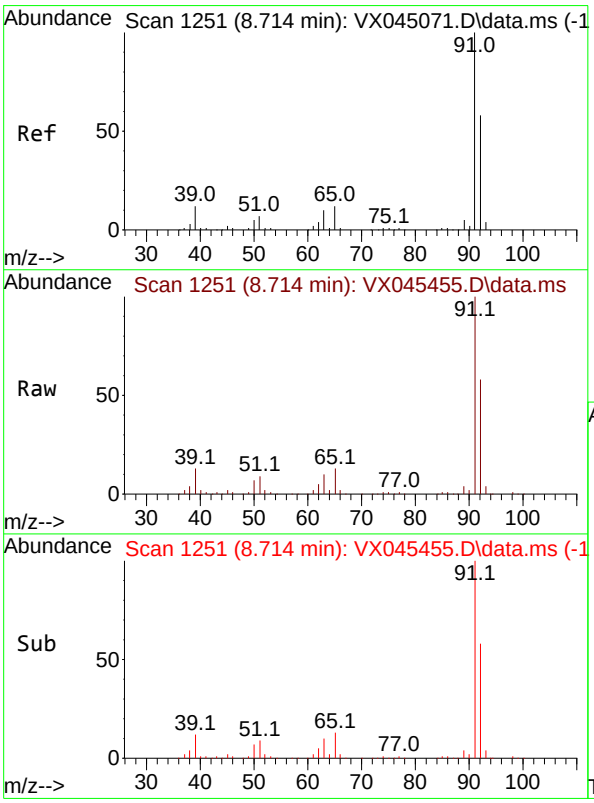
Ion	Ratio	Lower	Upper
43	100		
58	36.0	29.2	43.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

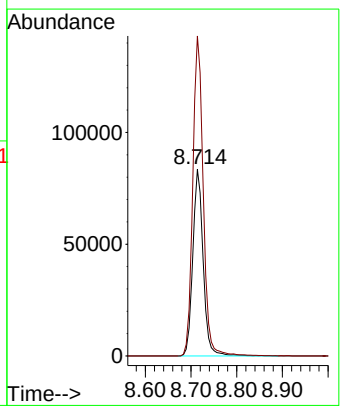
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

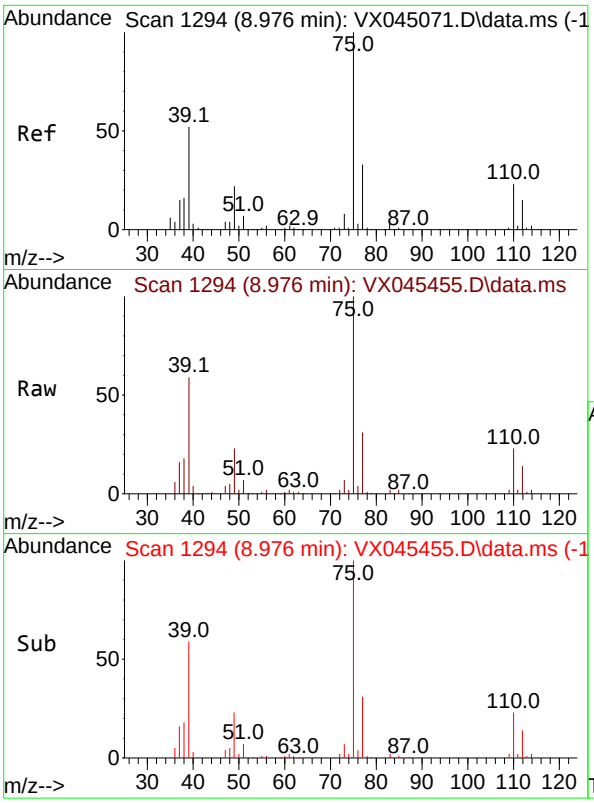


#52
Toluene
Concen: 57.535 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX045455.D
Acq: 25 Mar 2025 21:00

Tgt Ion: 92 Resp: 131498

Ion	Ratio	Lower	Upper
92	100		
91	173.4	138.9	208.3

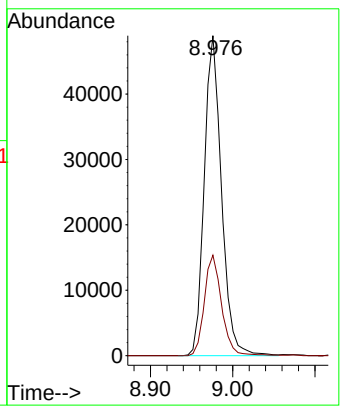




#53
t-1,3-Dichloropropene
Concen: 61.389 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045455.D
Acq: 25 Mar 2025 21:00

Tgt Ion: 75 Resp: 7126

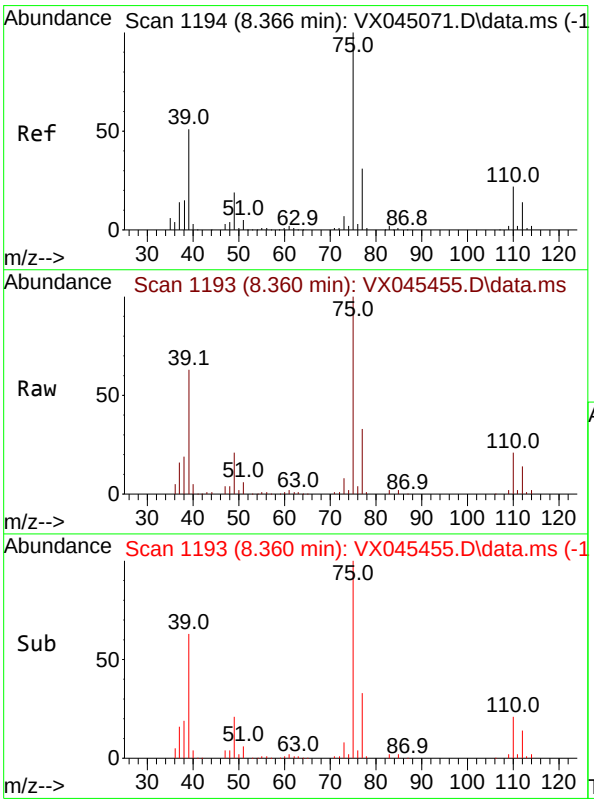
Ion	Ratio	Lower	Upper
75	100		
77	31.4	26.5	39.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

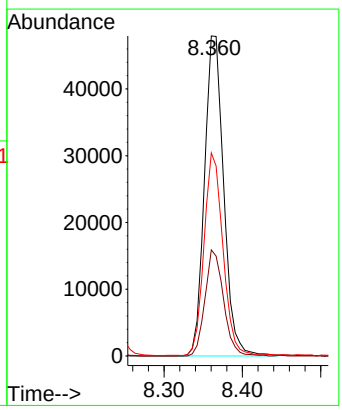
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

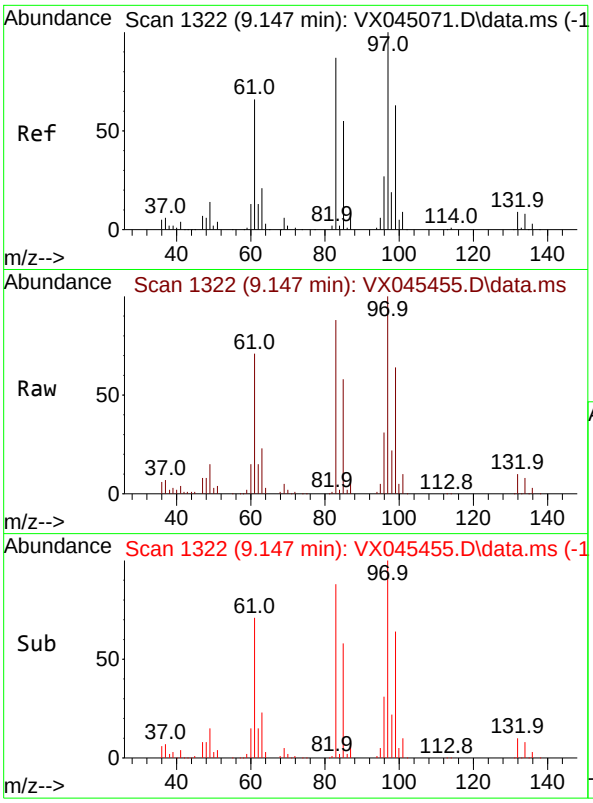


#54
cis-1,3-Dichloropropene
Concen: 60.428 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. -0.006 min
Lab File: VX045455.D
Acq: 25 Mar 2025 21:00

Tgt Ion: 75 Resp: 81798

Ion	Ratio	Lower	Upper
75	100		
77	33.2	24.7	37.1
39	63.3	40.7	61.1#

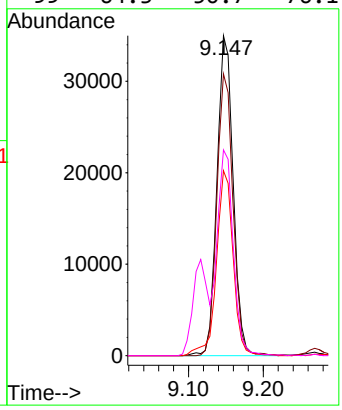




#55
1,1,2-Trichloroethane
Concen: 55.917 ug/l
RT: 9.147 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045455.D
Acq: 25 Mar 2025 21:00

Tgt Ion: 97 Resp: 5261

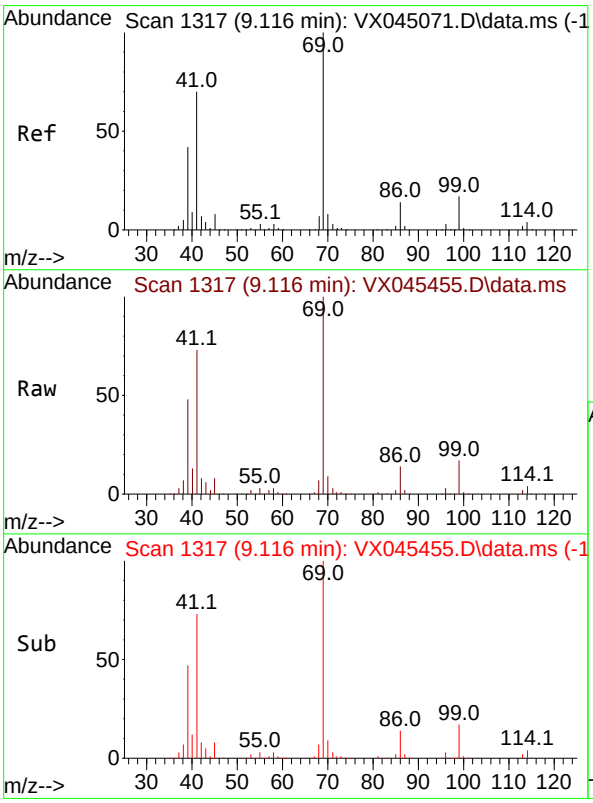
Ion	Ratio	Lower	Upper
97	100		
83	88.1	69.4	104.2
85	57.8	44.1	66.1
99	64.3	50.7	76.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

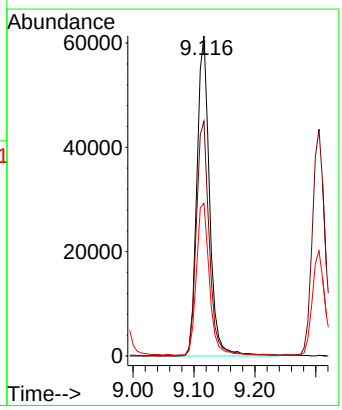
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

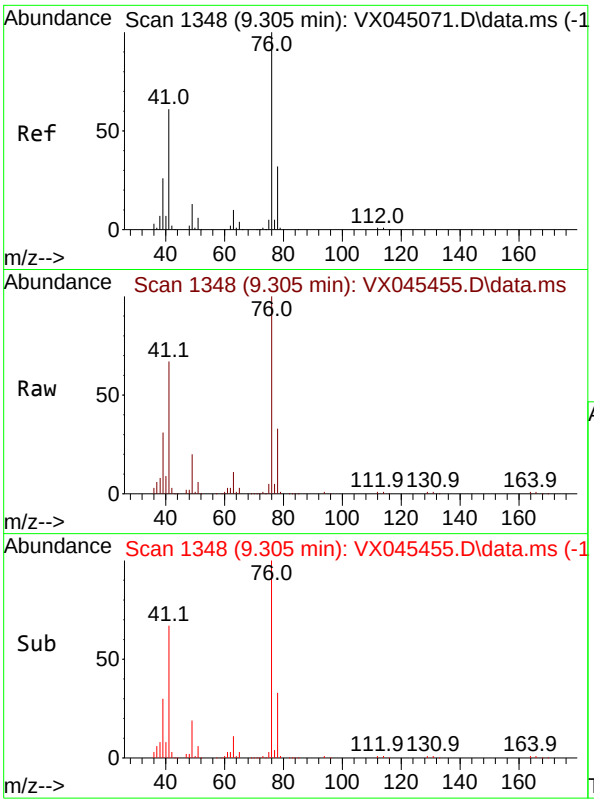


#56
Ethyl methacrylate
Concen: 61.863 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX045455.D
Acq: 25 Mar 2025 21:00

Tgt Ion: 69 Resp: 88478

Ion	Ratio	Lower	Upper
69	100		
41	75.7	57.0	85.4
39	48.8	34.2	51.4

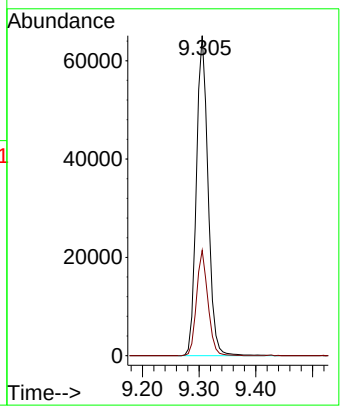




#57
1,3-Dichloropropane
Concen: 57.147 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045455.D
Acq: 25 Mar 2025 21:00

Tgt Ion: 76 Resp: 9305

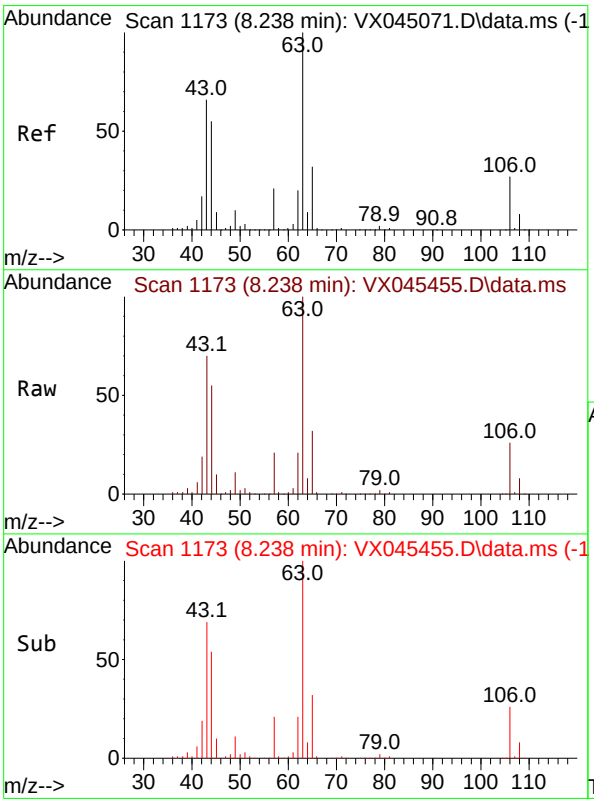
Ion	Ratio	Lower	Upper
76	100		
78	32.0	25.5	38.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

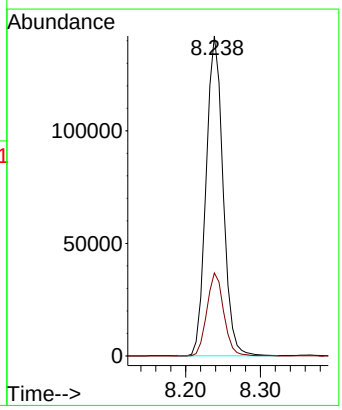
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

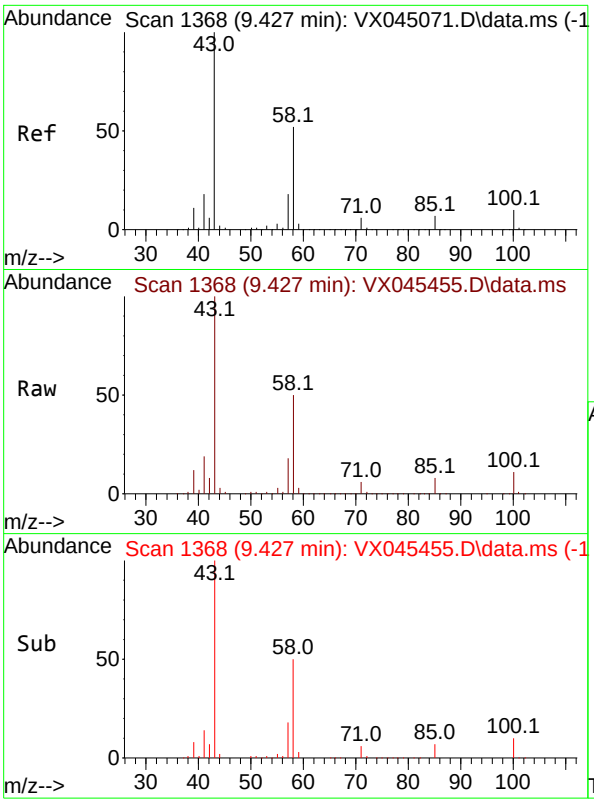


#58
2-Chloroethyl Vinyl ether
Concen: 320.494 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX045455.D
Acq: 25 Mar 2025 21:00

Tgt Ion: 63 Resp: 223602

Ion	Ratio	Lower	Upper
63	100		
106	25.9	21.5	32.3

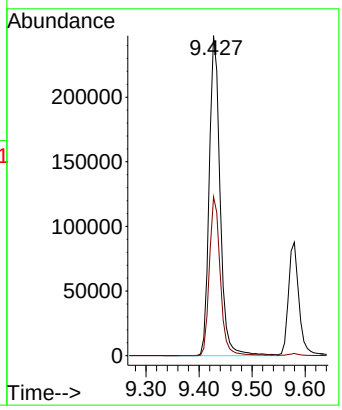




#59
2-Hexanone
Concen: 308.540 ug/l
RT: 9.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045455.D
Acq: 25 Mar 2025 21:00

Tgt Ion: 43 Resp: 35282

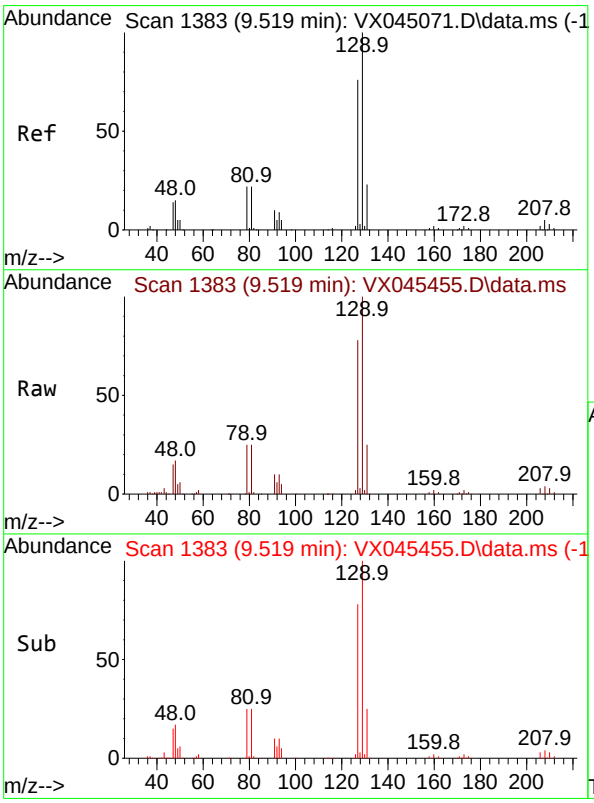
Ion	Ratio	Lower	Upper
43	100		
58	49.8	25.9	77.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

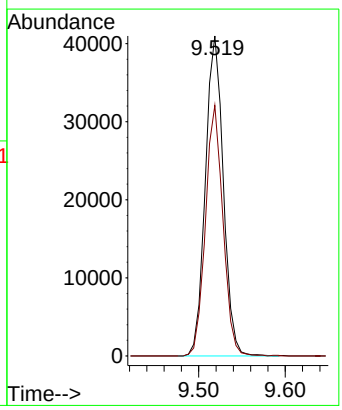
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

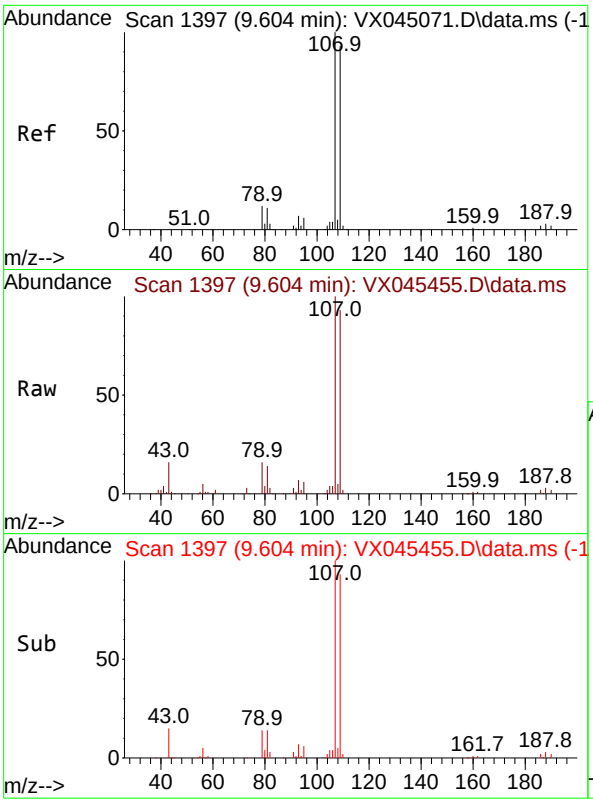


#60
Dibromochloromethane
Concen: 59.912 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX045455.D
Acq: 25 Mar 2025 21:00

Tgt Ion:129 Resp: 58941

Ion	Ratio	Lower	Upper
129	100		
127	76.4	38.5	115.5

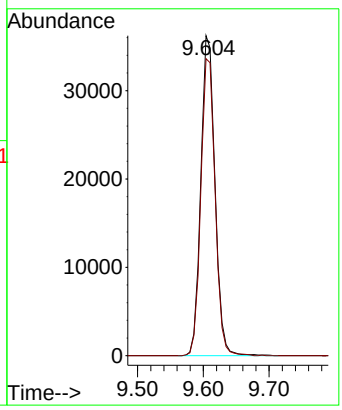




#61
1,2-Dibromoethane
Concen: 57.791 ug/l
RT: 9.604 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045455.D
Acq: 25 Mar 2025 21:00

Tgt Ion:107 Resp: 5428

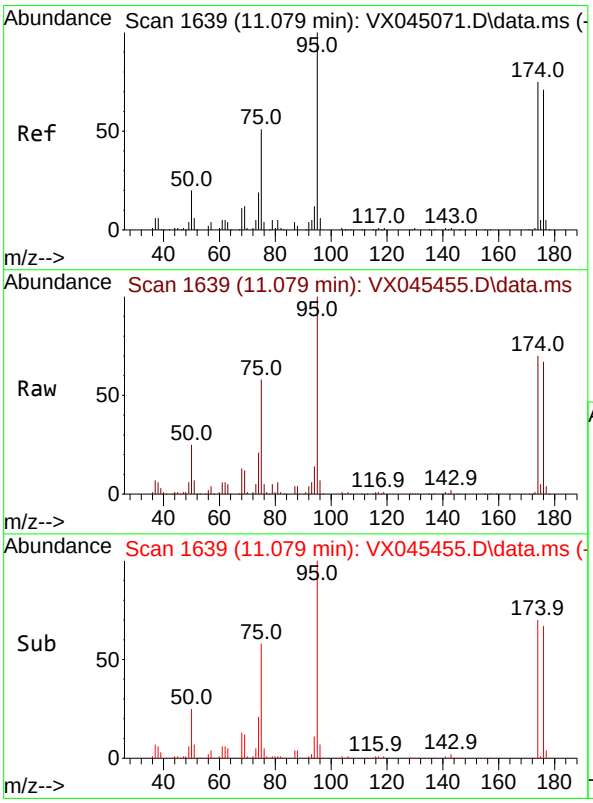
Ion	Ratio	Lower	Upper
107	100		
109	93.6	76.1	114.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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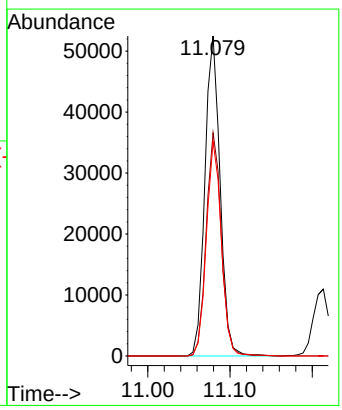
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

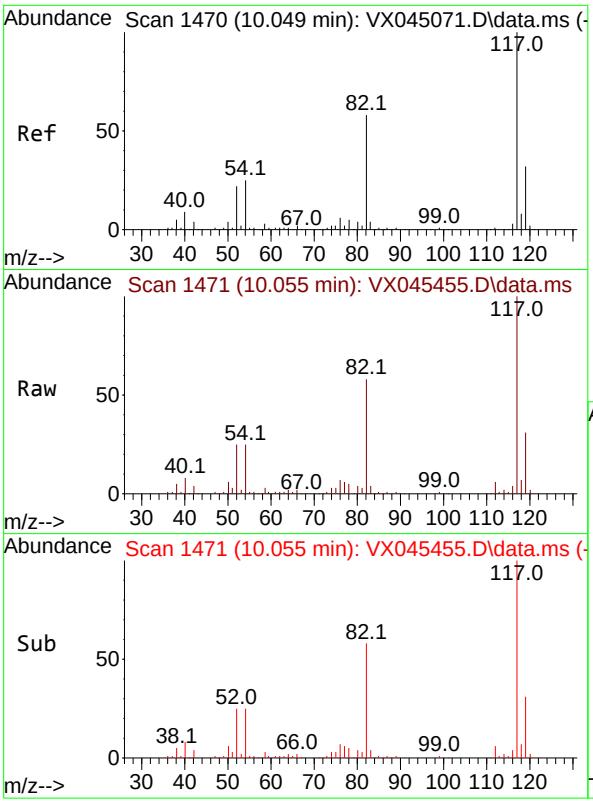


#62
4-Bromofluorobenzene
Concen: 62.340 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045455.D
Acq: 25 Mar 2025 21:00

Tgt Ion: 95 Resp: 67367

Ion	Ratio	Lower	Upper
95	100		
174	69.1	0.0	148.2
176	66.2	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: VX045455.D
Acq: 25 Mar 2025 21:00

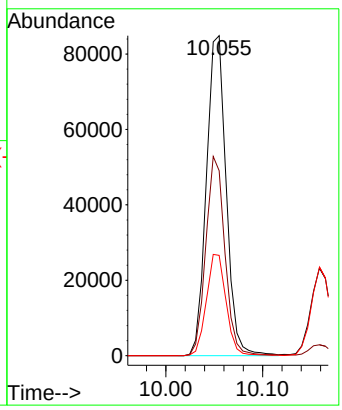
Tgt Ion:117 Resp: 12075

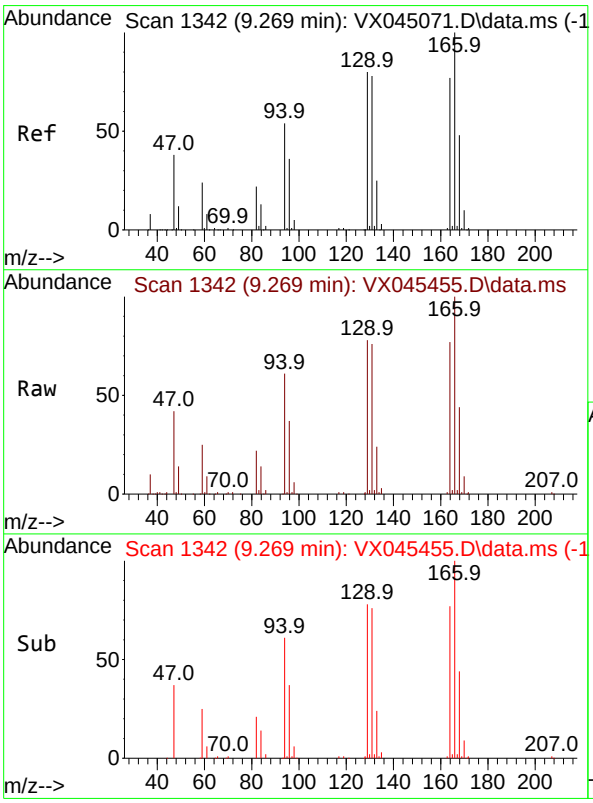
Ion	Ratio	Lower	Upper
117	100		
82	57.8	46.3	69.5
119	31.4	25.7	38.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

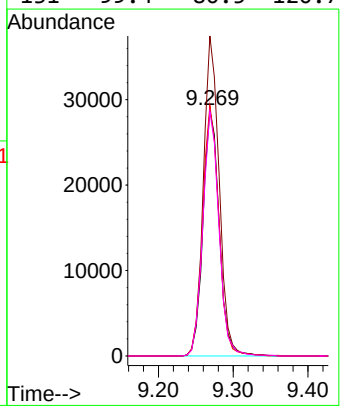


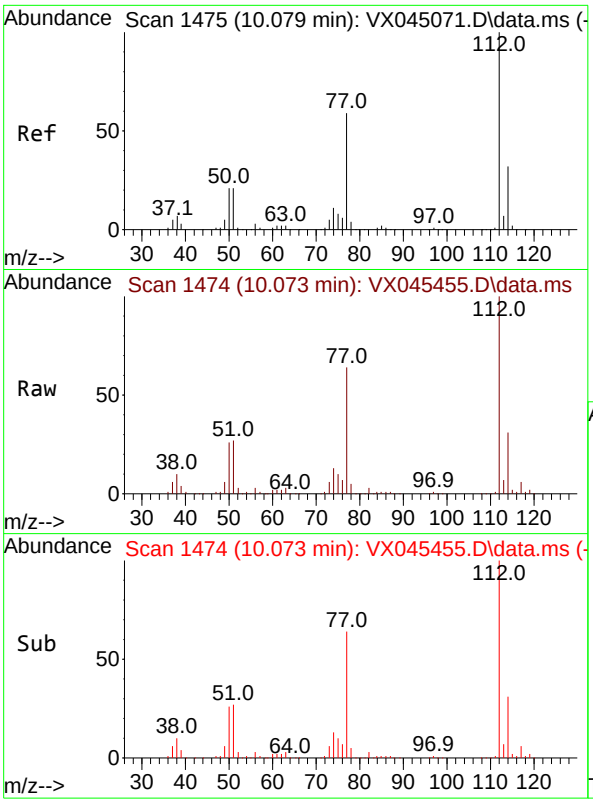


#64
Tetrachloroethene
Concen: 56.012 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX045455.D
Acq: 25 Mar 2025 21:00

Tgt Ion:164 Resp: 43318

Ion	Ratio	Lower	Upper
164	100		
166	130.0	103.6	155.4
129	101.8	82.7	124.1
131	99.4	80.5	120.7

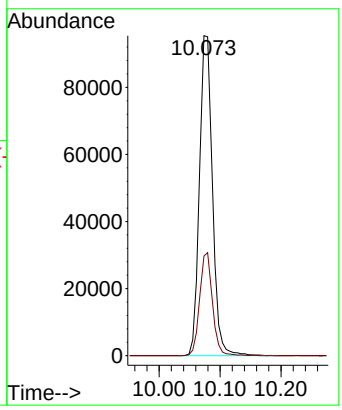




#65
Chlorobenzene
Concen: 55.448 ug/l
RT: 10.073 min Scan# 14
Delta R.T. -0.006 min
Lab File: VX045455.D
Acq: 25 Mar 2025 21:00

Tgt Ion:112 Resp: 14167

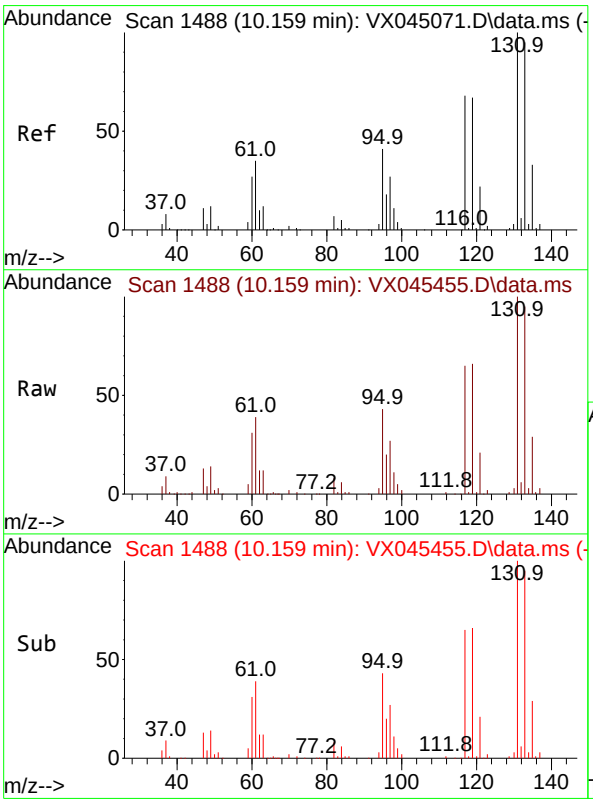
Ion	Ratio	Lower	Upper
112	100		
114	31.2	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

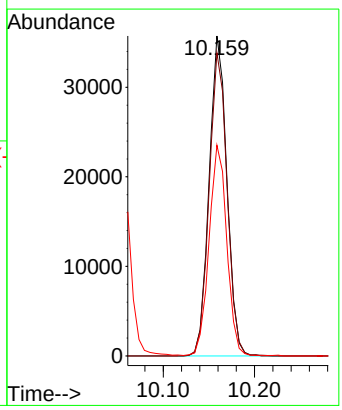
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

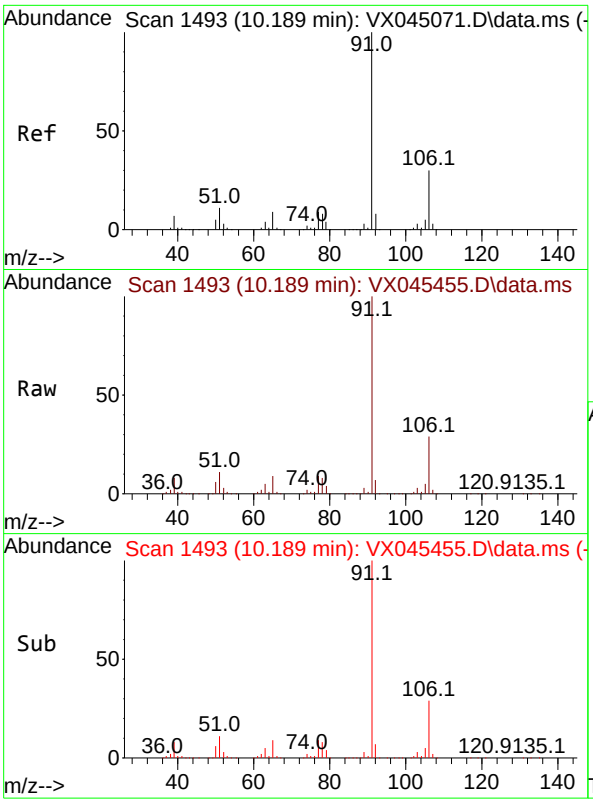


#66
1,1,1,2-Tetrachloroethane
Concen: 56.581 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX045455.D
Acq: 25 Mar 2025 21:00

Tgt Ion:131 Resp: 48145

Ion	Ratio	Lower	Upper
131	100		
133	95.6	48.6	145.9
119	66.0	33.9	101.7





#67
Ethyl Benzene
Concen: 58.029 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045455.D
Acq: 25 Mar 2025 21:00

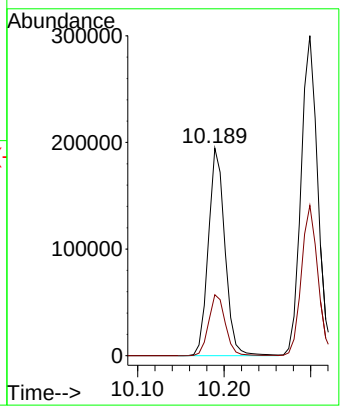
Tgt Ion: 91 Resp: 25835

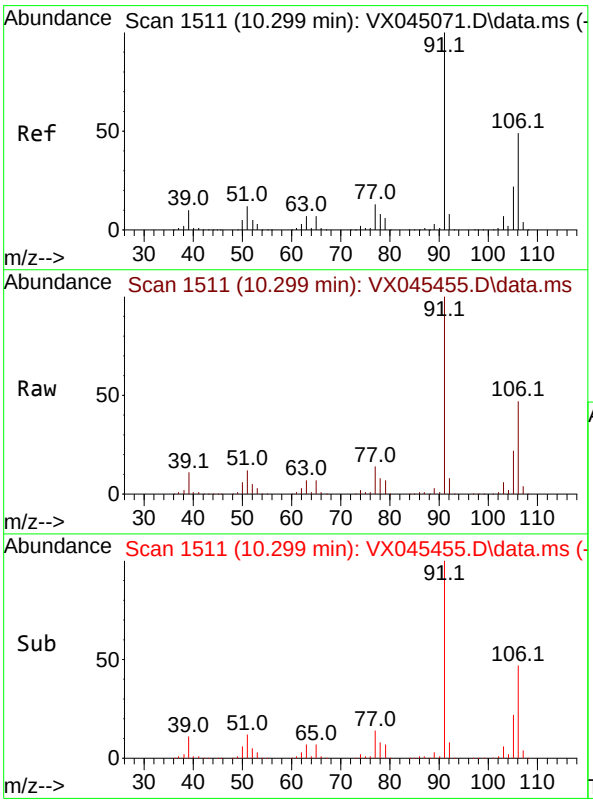
Ion	Ratio	Lower	Upper
91	100		
106	29.4	23.9	35.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

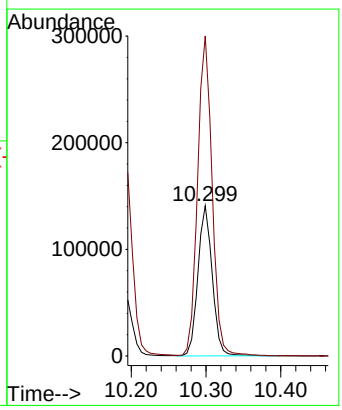


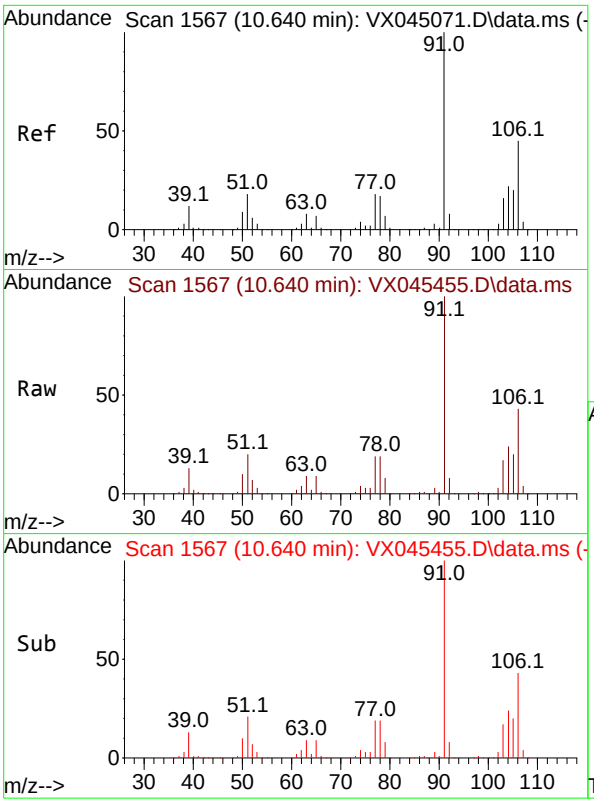


#68
m/p-Xylenes
Concen: 114.904 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX045455.D
Acq: 25 Mar 2025 21:00

Tgt Ion:106 Resp: 187271

Ion	Ratio	Lower	Upper
106	100		
91	215.8	165.4	248.0

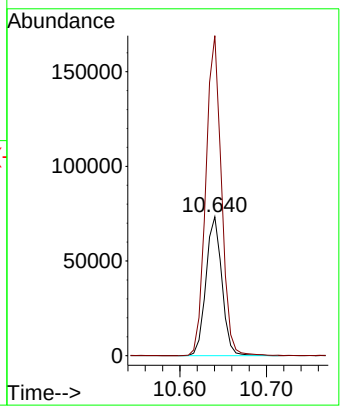




#69
o-Xylene
Concen: 56.852 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045455.D
Acq: 25 Mar 2025 21:00

Tgt Ion:106 Resp: 9345

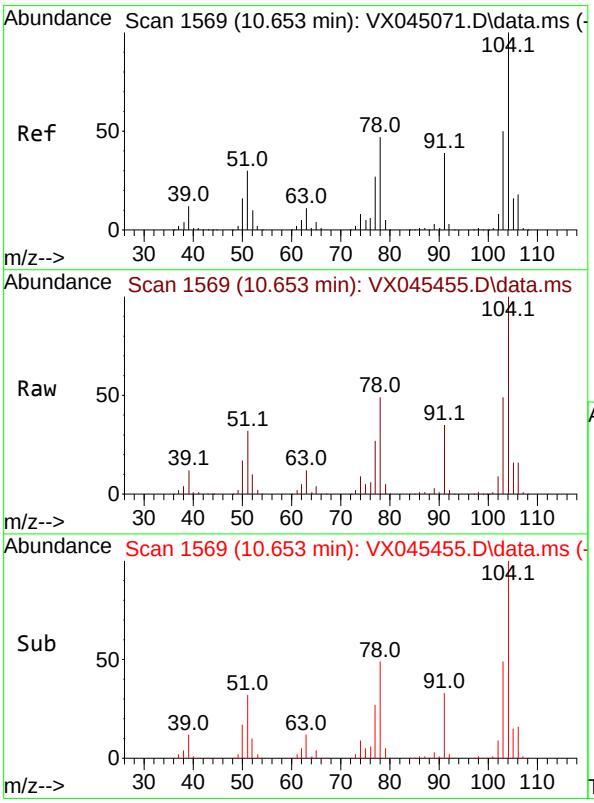
Ion	Ratio	Lower	Upper
106	100		
91	226.8	109.9	329.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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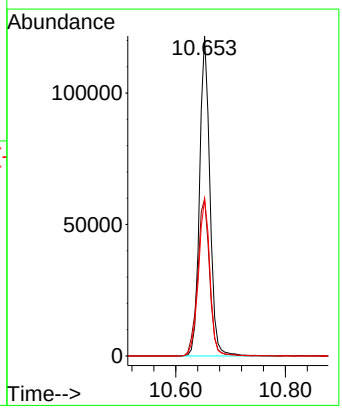
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

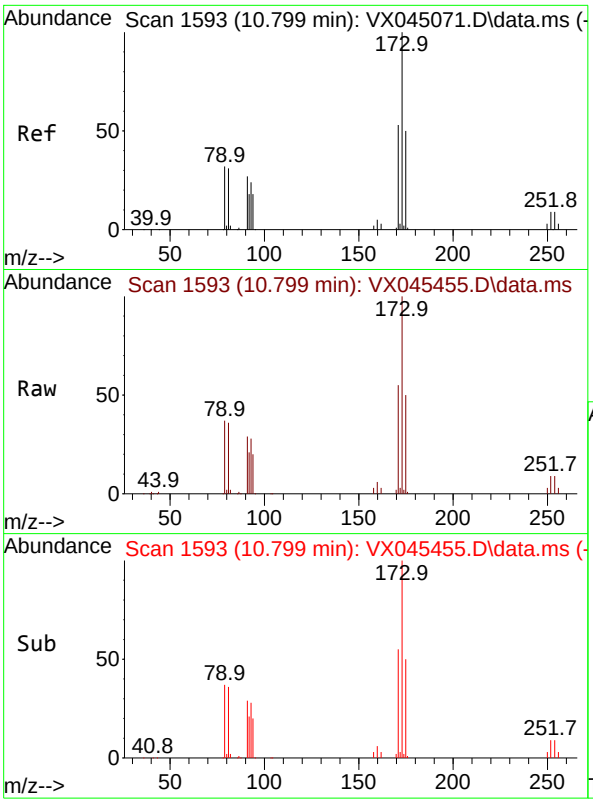


#70
Styrene
Concen: 59.715 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX045455.D
Acq: 25 Mar 2025 21:00

Tgt Ion:104 Resp: 158826

Ion	Ratio	Lower	Upper
104	100		
78	56.8	42.2	63.4
103	54.8	43.8	65.8

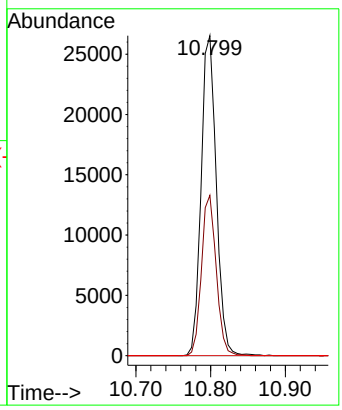




#71
Bromoform
Concen: 58.263 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045455.D
Acq: 25 Mar 2025 21:00

Tgt Ion:173 Resp: 3738

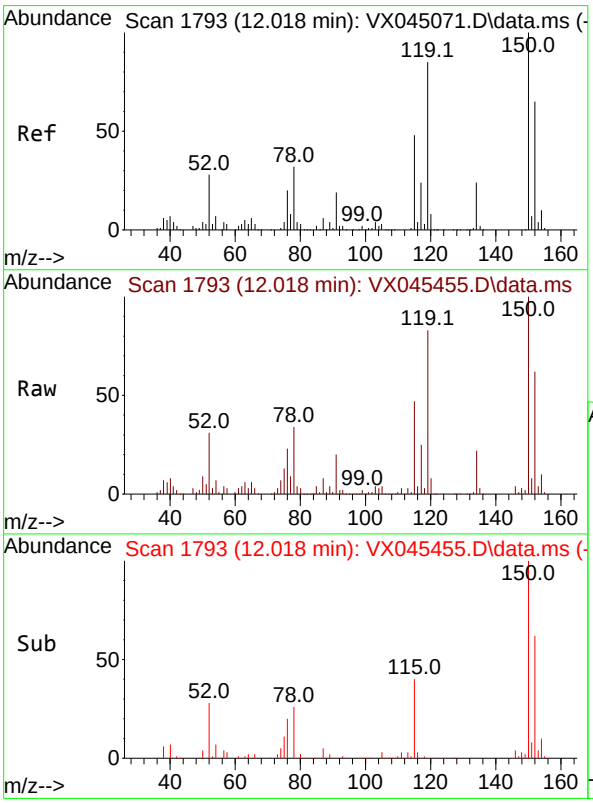
Ion	Ratio	Lower	Upper
173	100		
175	48.7	24.6	73.6
254	0.0	0.0	0.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

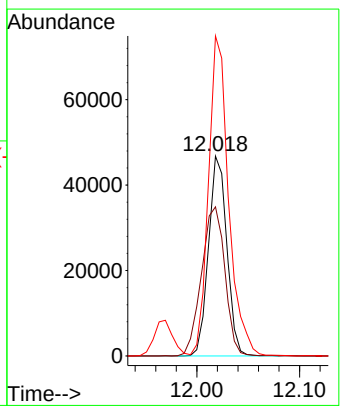
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

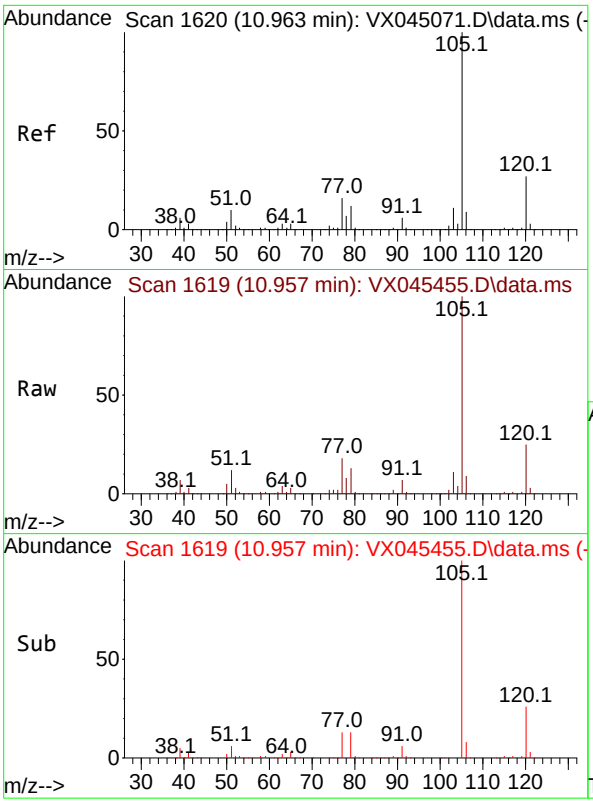


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045455.D
Acq: 25 Mar 2025 21:00

Tgt Ion:152 Resp: 57976

Ion	Ratio	Lower	Upper
152	100		
115	95.4	44.2	132.6
150	176.0	0.0	349.0

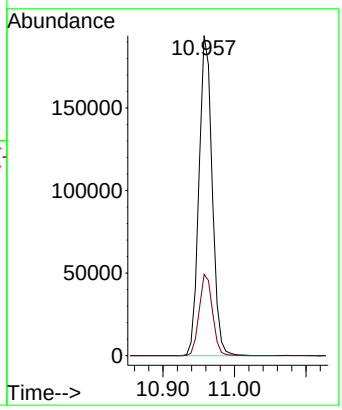




#73
Isopropylbenzene
Concen: 54.809 ug/l
RT: 10.957 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045455.D
Acq: 25 Mar 2025 21:00

Tgt Ion:105 Resp: 24802

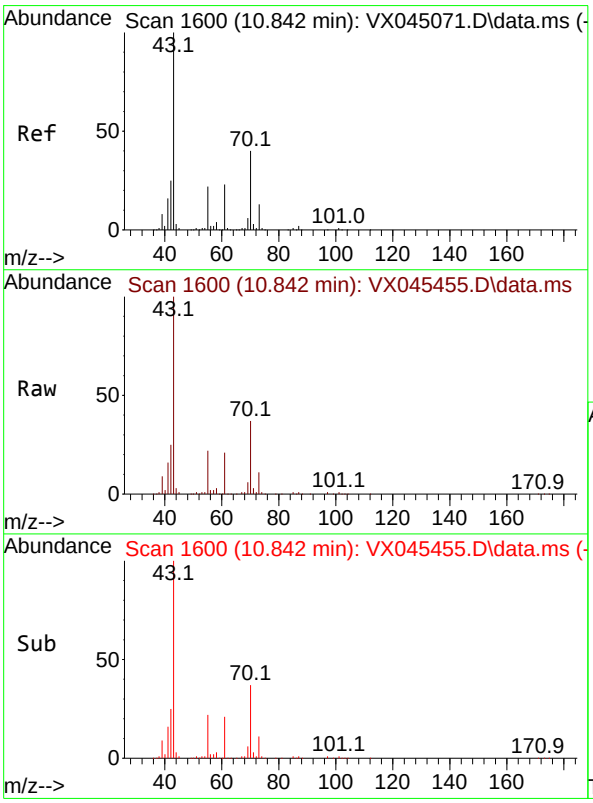
Ion	Ratio	Lower	Upper
105	100		
120	25.6	13.2	39.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

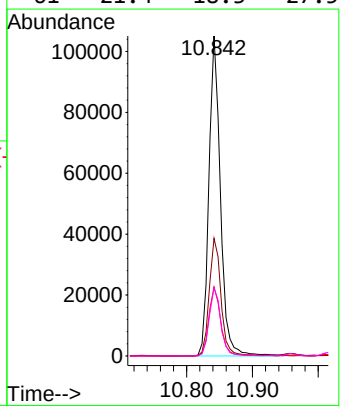
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

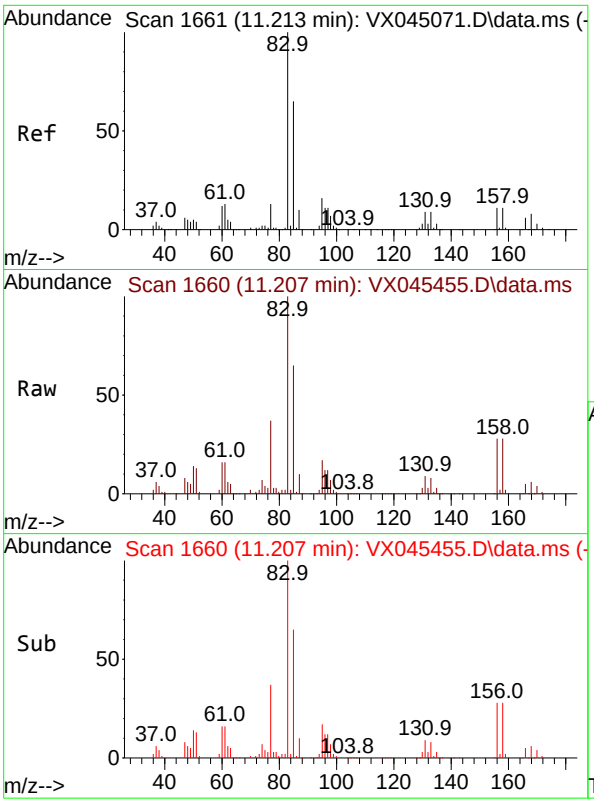


#74
N-amyl acetate
Concen: 60.199 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX045455.D
Acq: 25 Mar 2025 21:00

Tgt Ion: 43 Resp: 127825

Ion	Ratio	Lower	Upper
43	100		
70	37.9	31.8	47.6
55	22.3	18.3	27.5
61	21.4	18.3	27.5





#75
1,1,2,2-Tetrachloroethane
Concen: 51.622 ug/l
RT: 11.207 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045455.D
Acq: 25 Mar 2025 21:00

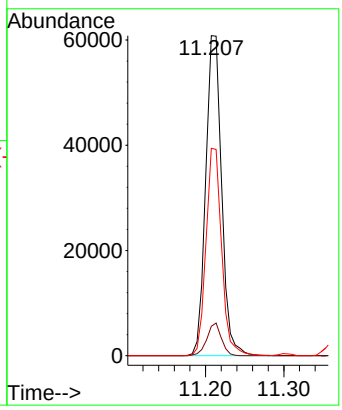
Tgt Ion: 83 Resp: 8572

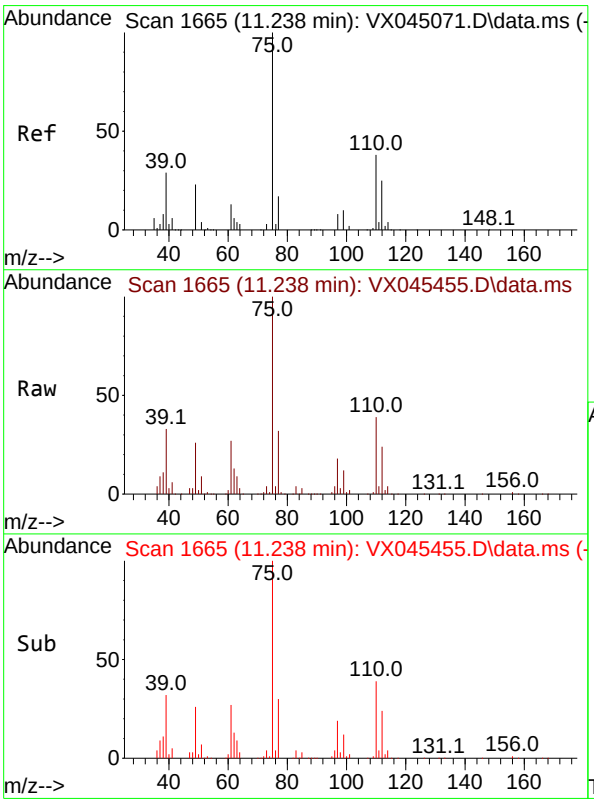
Ion	Ratio	Lower	Upper
83	100		
131	9.3	4.5	13.4
85	63.5	31.7	95.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

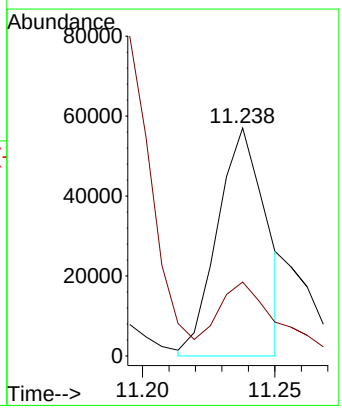


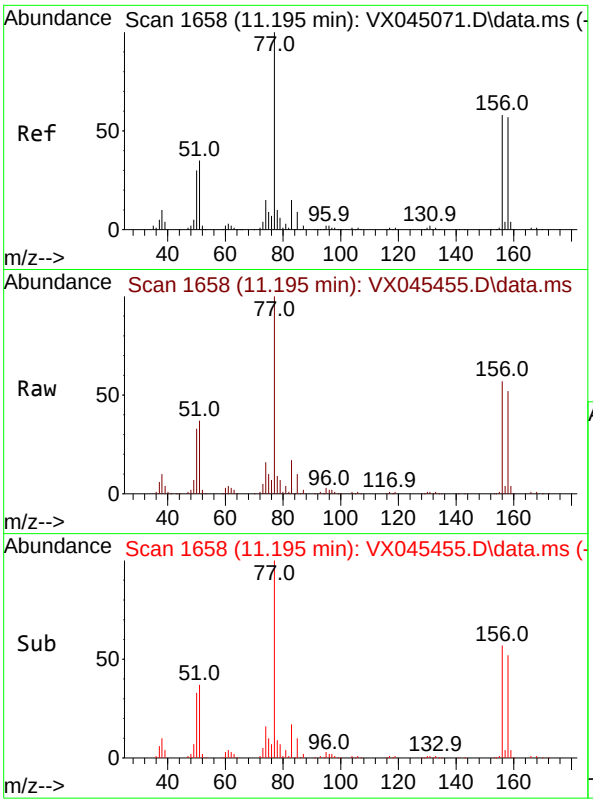


#76
1,2,3-Trichloropropane
Concen: 53.846 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX045455.D
Acq: 25 Mar 2025 21:00

Tgt Ion: 75 Resp: 72660

Ion	Ratio	Lower	Upper
75	100		
77	40.0	20.7	62.1

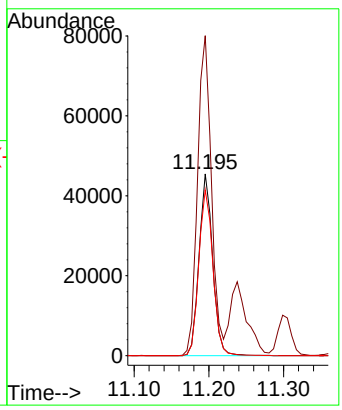




#77
Bromobenzene
Concen: 53.713 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045455.D
Acq: 25 Mar 2025 21:00

Tgt Ion:156 Resp: 5734

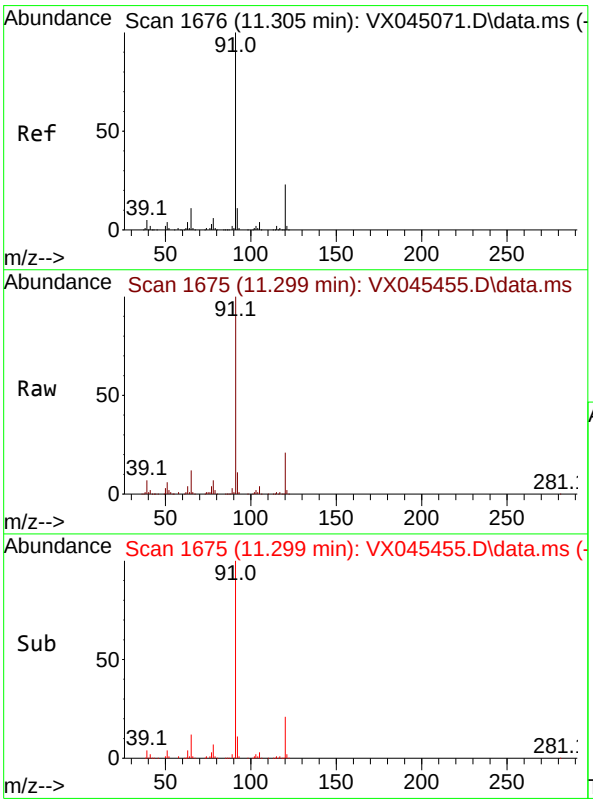
Ion	Ratio	Lower	Upper
156	100		
77	179.8	85.8	257.4
158	95.2	48.4	145.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

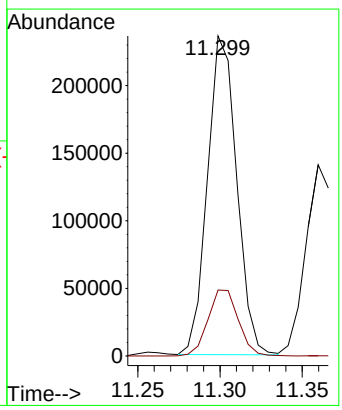
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

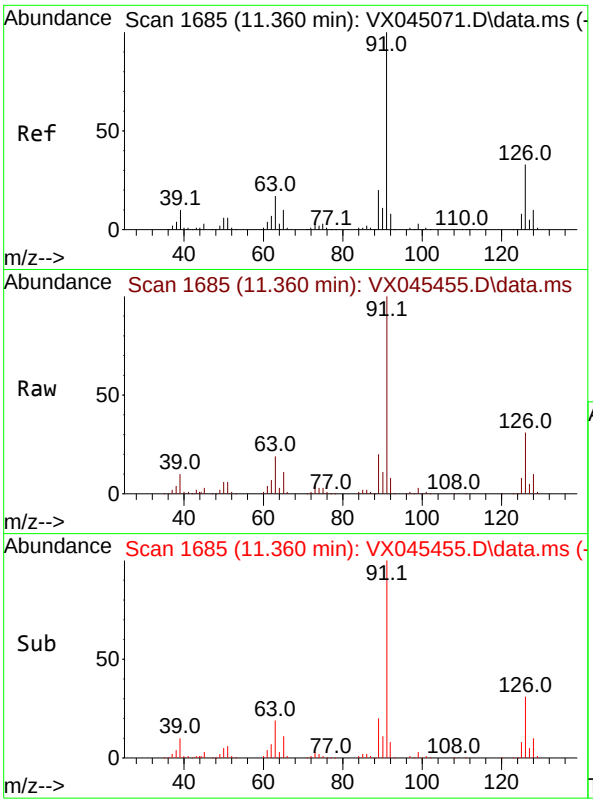


#78
n-propylbenzene
Concen: 57.086 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. -0.006 min
Lab File: VX045455.D
Acq: 25 Mar 2025 21:00

Tgt Ion: 91 Resp: 291813

Ion	Ratio	Lower	Upper
91	100		
120	21.6	11.2	33.6

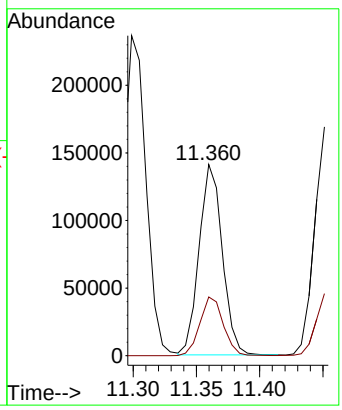




#79
2-Chlorotoluene
Concen: 55.315 ug/l
RT: 11.360 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045455.D
Acq: 25 Mar 2025 21:00

Tgt Ion: 91 Resp: 18007

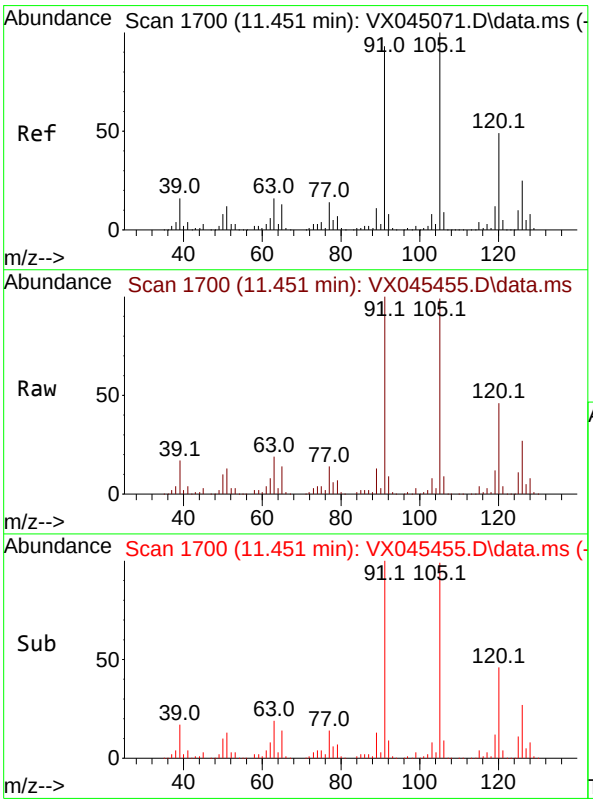
Ion	Ratio	Lower	Upper
91	100		
126	31.2	16.4	49.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

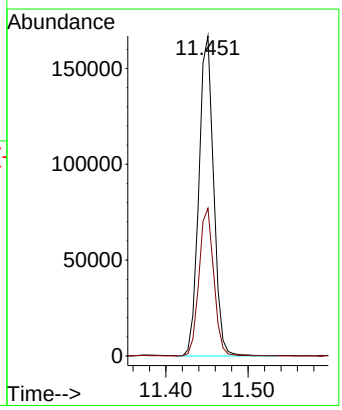
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

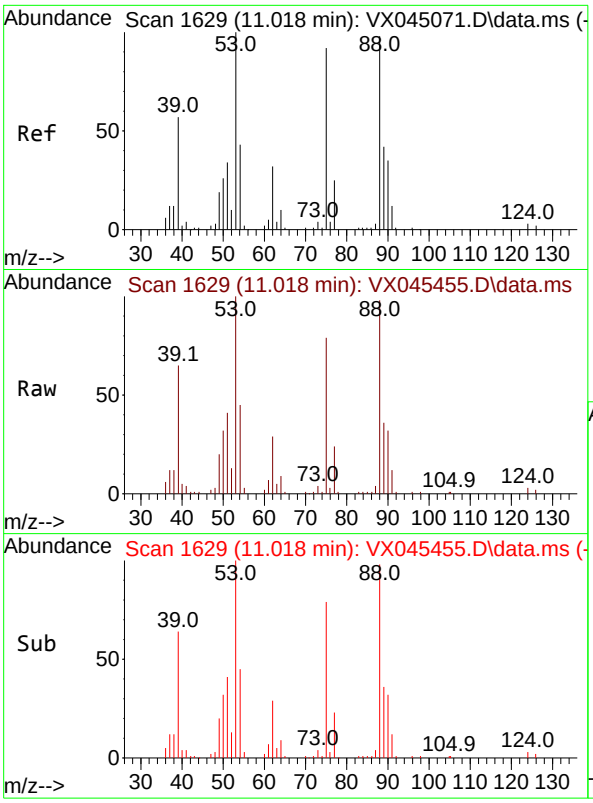


#80
1,3,5-Trimethylbenzene
Concen: 56.895 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045455.D
Acq: 25 Mar 2025 21:00

Tgt Ion:105 Resp: 208176

Ion	Ratio	Lower	Upper
105	100		
120	46.3	24.1	72.2

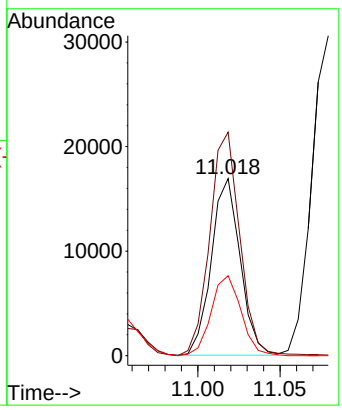




#81
trans-1,4-Dichloro-2-butene
Concen: 52.375 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045455.D
Acq: 25 Mar 2025 21:00

Tgt Ion: 75 Resp: 2065

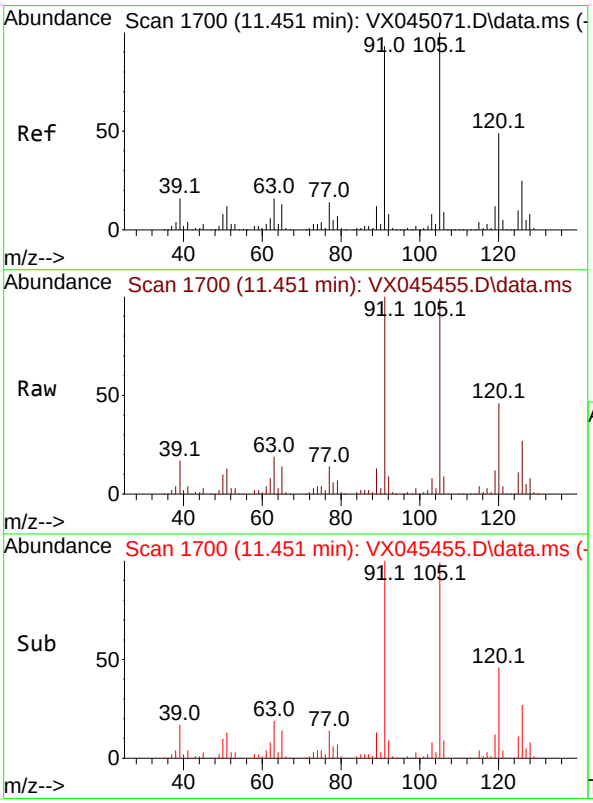
Ion	Ratio	Lower	Upper
75	100		
53	131.6	88.5	132.7
89	46.8	36.2	54.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

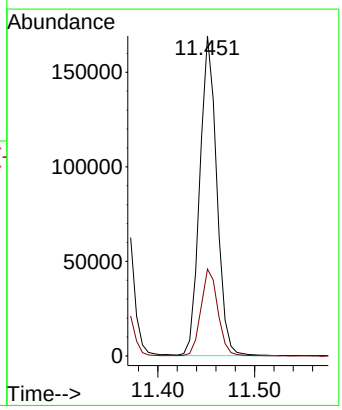
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

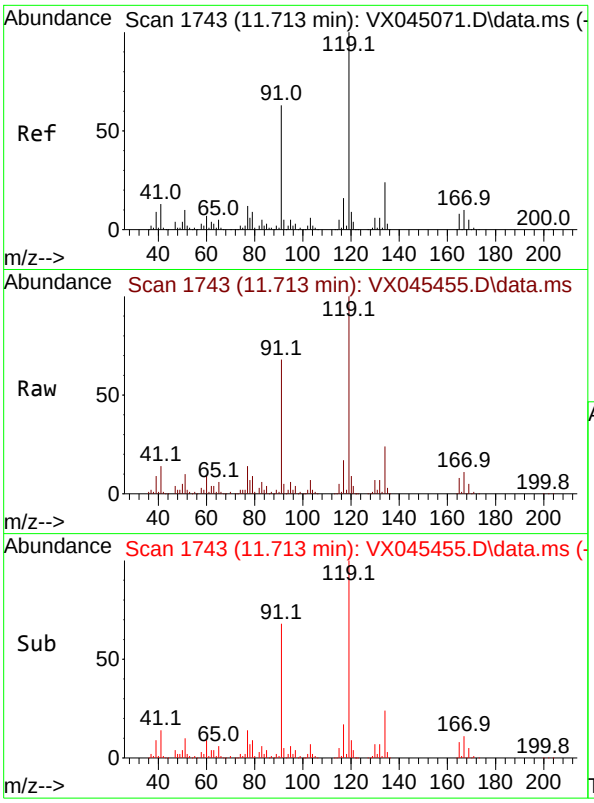


#82
4-Chlorotoluene
Concen: 58.131 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045455.D
Acq: 25 Mar 2025 21:00

Tgt Ion: 91 Resp: 206254

Ion	Ratio	Lower	Upper
91	100		
126	27.4	14.1	42.4

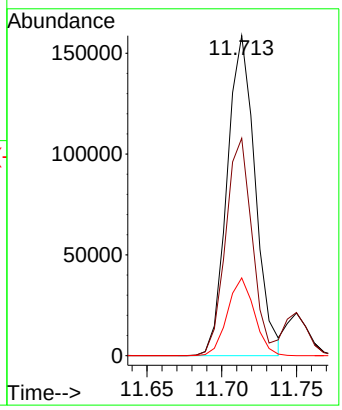




#83
tert-Butylbenzene
Concen: 55.036 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045455.D
Acq: 25 Mar 2025 21:00

Tgt Ion:119 Resp: 20690

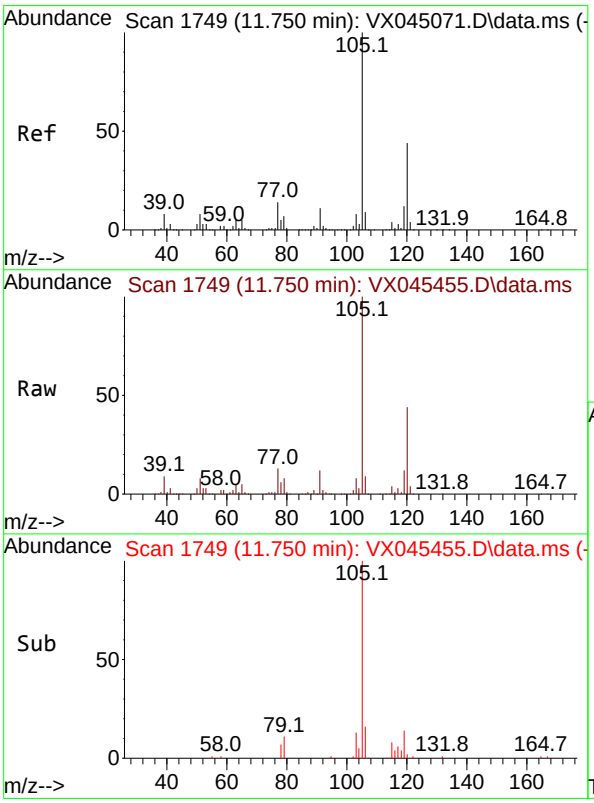
Ion	Ratio	Lower	Upper
119	100		
91	63.9	30.7	92.1
134	23.3	11.7	35.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

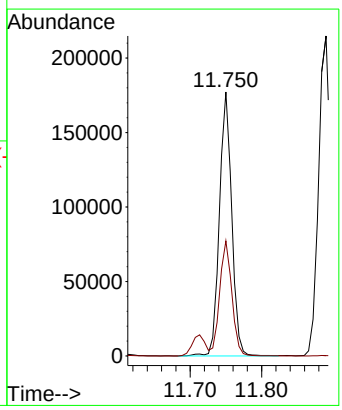
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

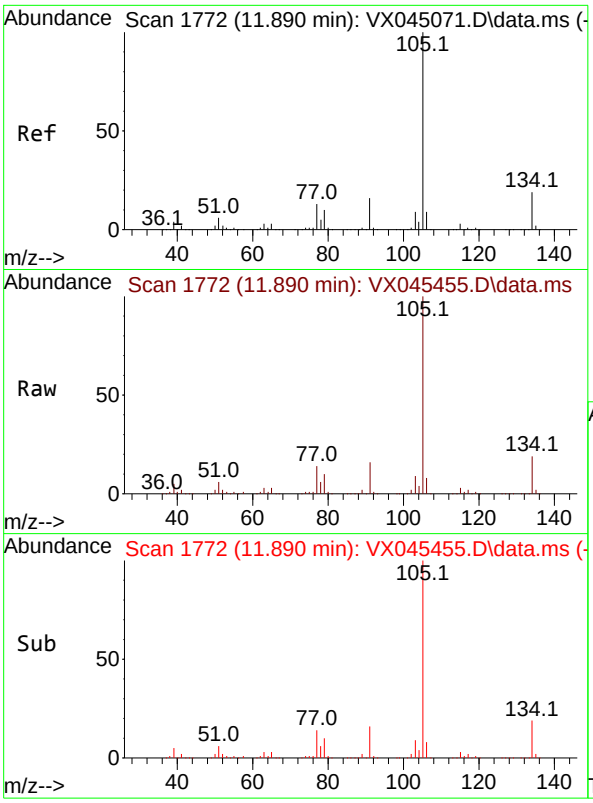


#84
1,2,4-Trimethylbenzene
Concen: 57.518 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX045455.D
Acq: 25 Mar 2025 21:00

Tgt Ion:105 Resp: 211760

Ion	Ratio	Lower	Upper
105	100		
120	43.4	22.1	66.1

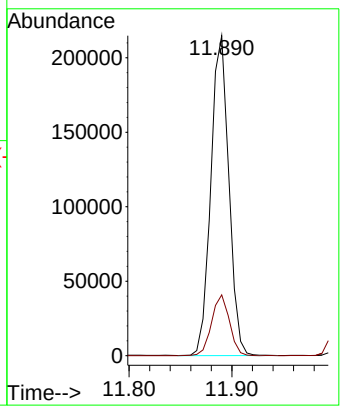




#85
sec-Butylbenzene
Concen: 57.851 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045455.D
Acq: 25 Mar 2025 21:00

Tgt Ion:105 Resp: 26052

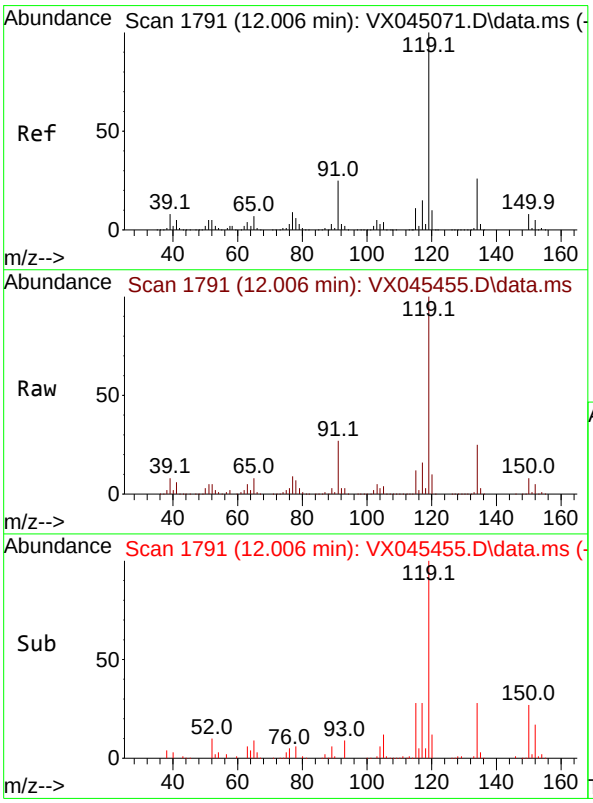
Ion	Ratio	Lower	Upper
105	100		
134	18.9	9.8	29.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

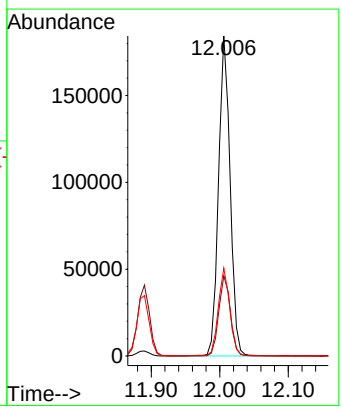
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

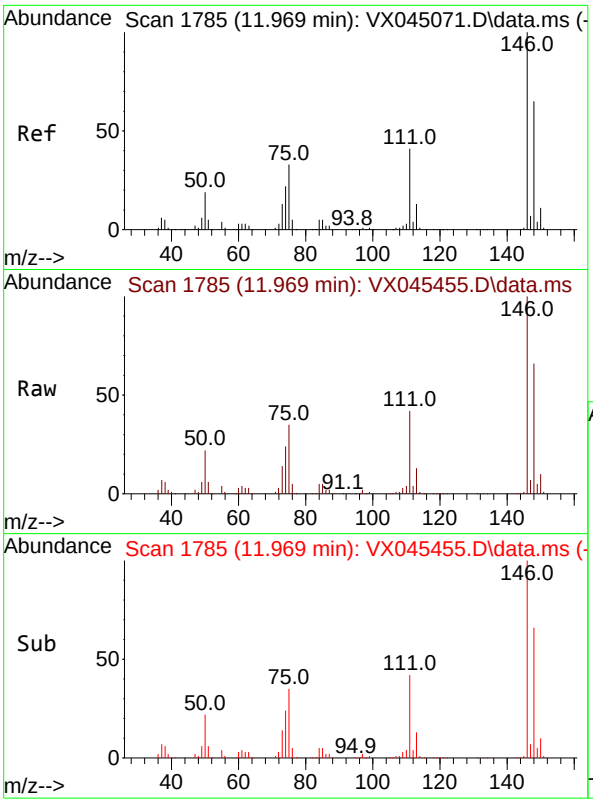


#86
p-Isopropyltoluene
Concen: 58.914 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX045455.D
Acq: 25 Mar 2025 21:00

Tgt Ion:119 Resp: 214411

Ion	Ratio	Lower	Upper
119	100		
134	25.2	12.9	38.6
91	27.1	12.7	38.0

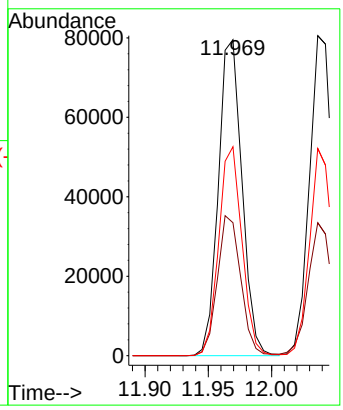




#87
1,3-Dichlorobenzene
Concen: 54.210 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045455.D
Acq: 25 Mar 2025 21:00

Tgt Ion:146 Resp: 10325

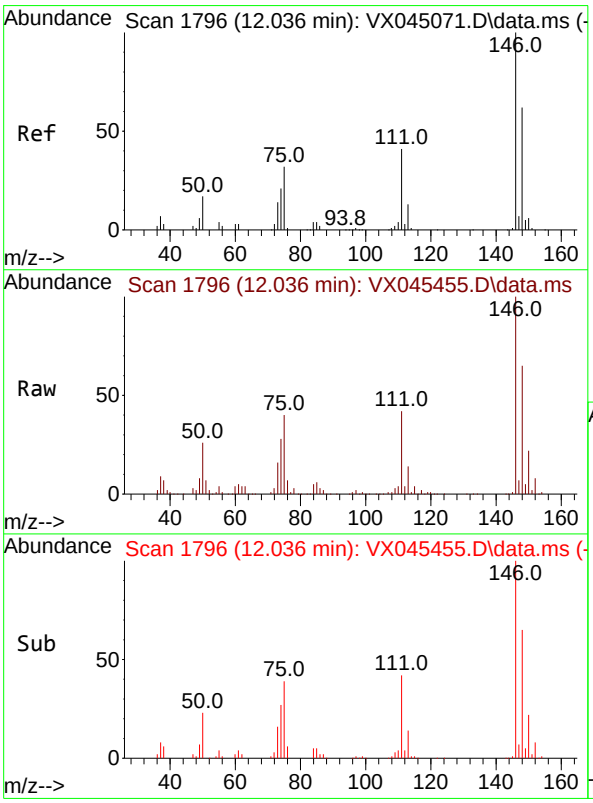
Ion	Ratio	Lower	Upper
146	100		
111	44.0	21.1	63.4
148	65.0	31.9	95.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

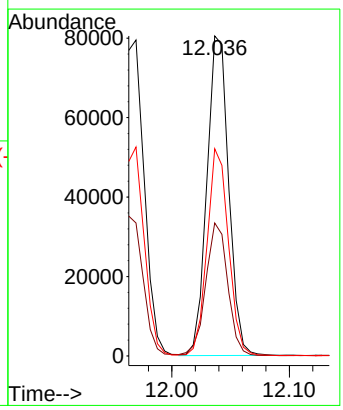
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

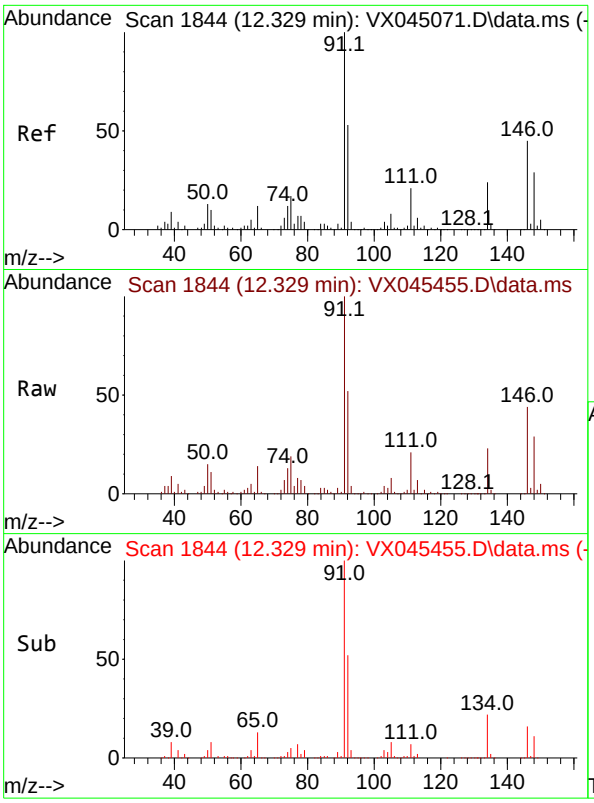


#88
1,4-Dichlorobenzene
Concen: 53.778 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. -0.000 min
Lab File: VX045455.D
Acq: 25 Mar 2025 21:00

Tgt Ion:146 Resp: 103629

Ion	Ratio	Lower	Upper
146	100		
111	42.0	20.2	60.5
148	63.8	31.9	95.9





#89
n-Butylbenzene
Concen: 60.909 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045455.D
Acq: 25 Mar 2025 21:00

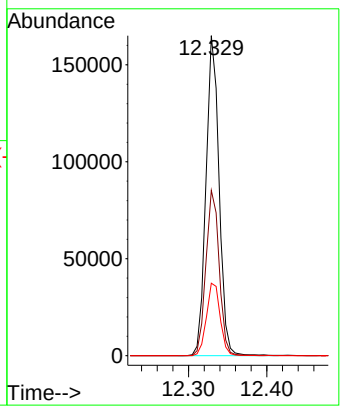
Tgt Ion: 91 Resp: 19091

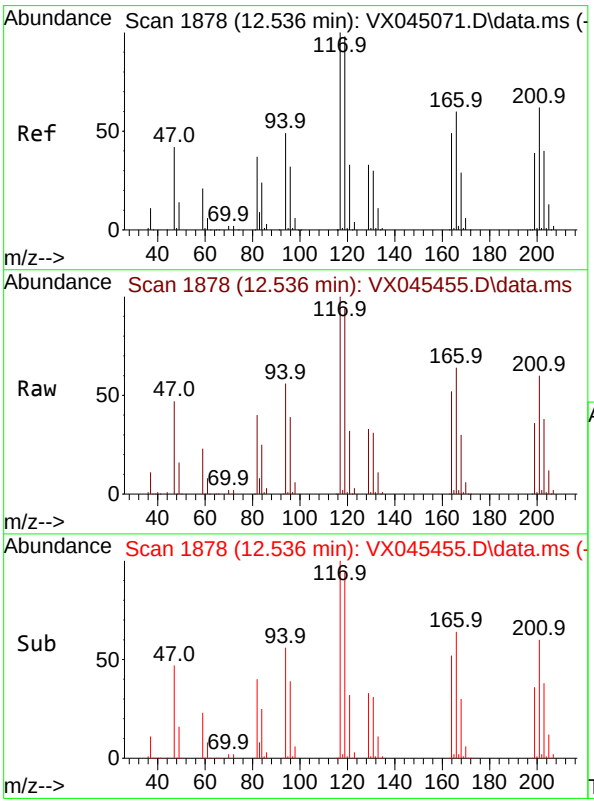
Ion	Ratio	Lower	Upper
91	100		
92	52.6	26.7	80.0
134	23.7	12.2	36.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

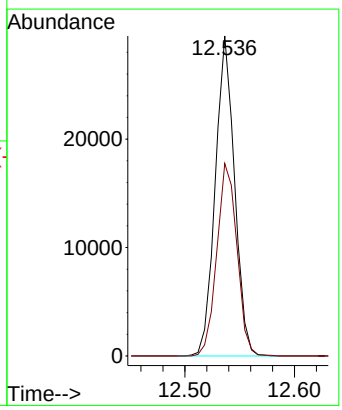


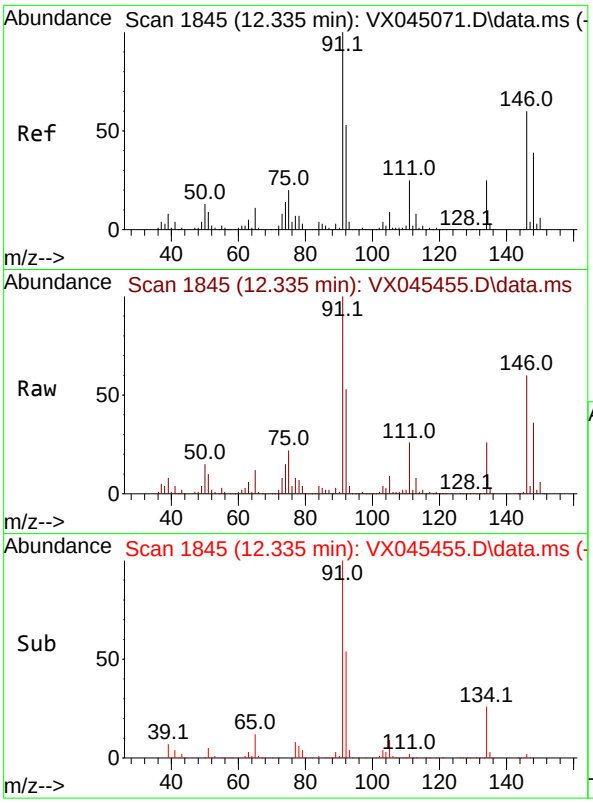


#90
Hexachloroethane
Concen: 54.843 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX045455.D
Acq: 25 Mar 2025 21:00

Tgt Ion:117 Resp: 36102

Ion	Ratio	Lower	Upper
117	100		
201	62.8	31.9	95.9

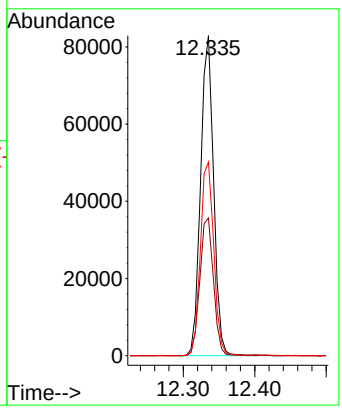




#91
1,2-Dichlorobenzene
Concen: 54.779 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045455.D
Acq: 25 Mar 2025 21:00

Tgt Ion:146 Resp: 10466

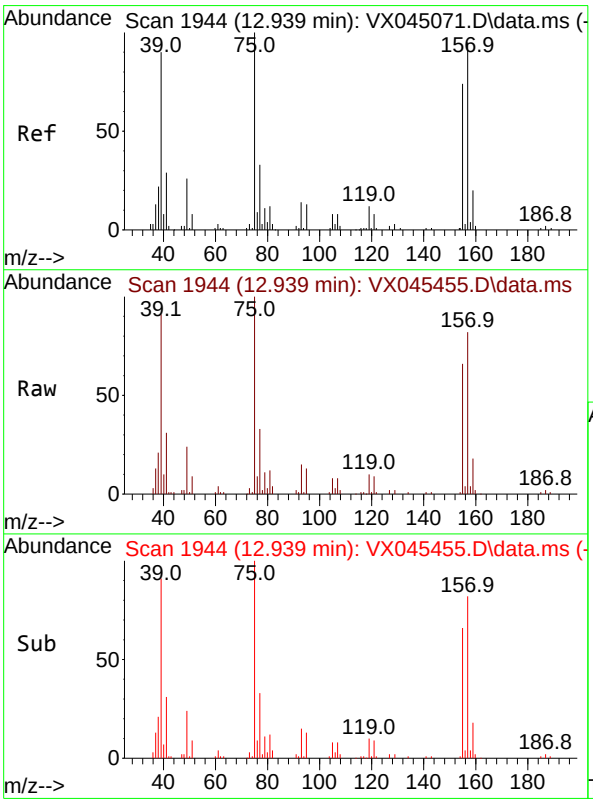
Ion	Ratio	Lower	Upper
146	100		
111	45.1	21.6	65.0
148	62.4	31.9	95.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

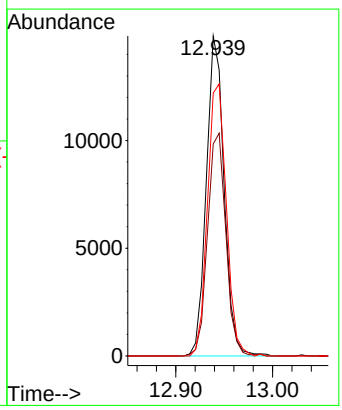
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

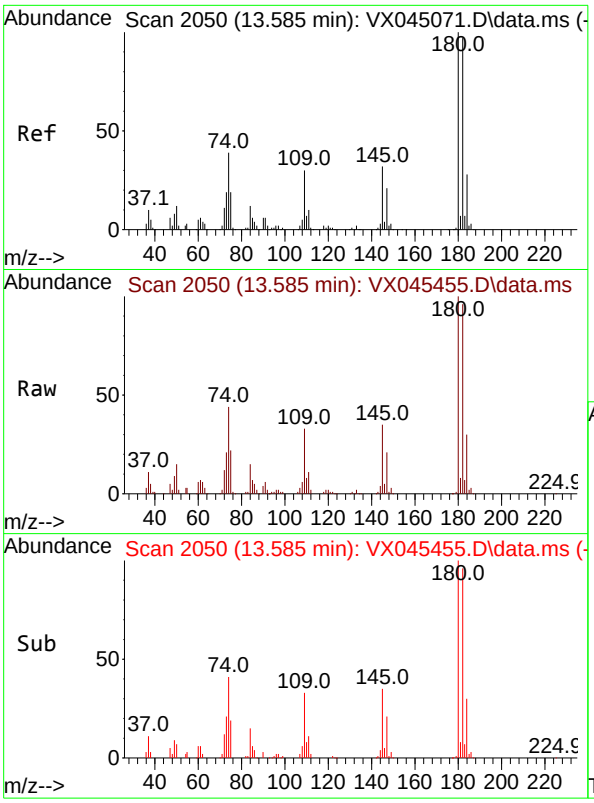


#92
1,2-Dibromo-3-Chloropropane
Concen: 58.867 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX045455.D
Acq: 25 Mar 2025 21:00

Tgt Ion: 75 Resp: 19044

Ion	Ratio	Lower	Upper
75	100		
155	71.5	39.6	118.7
157	89.8	51.1	153.4

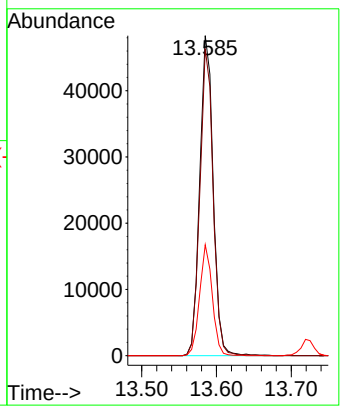




#93
1,2,4-Trichlorobenzene
Concen: 55.384 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045455.D
Acq: 25 Mar 2025 21:00

Tgt Ion:180 Resp: 6025

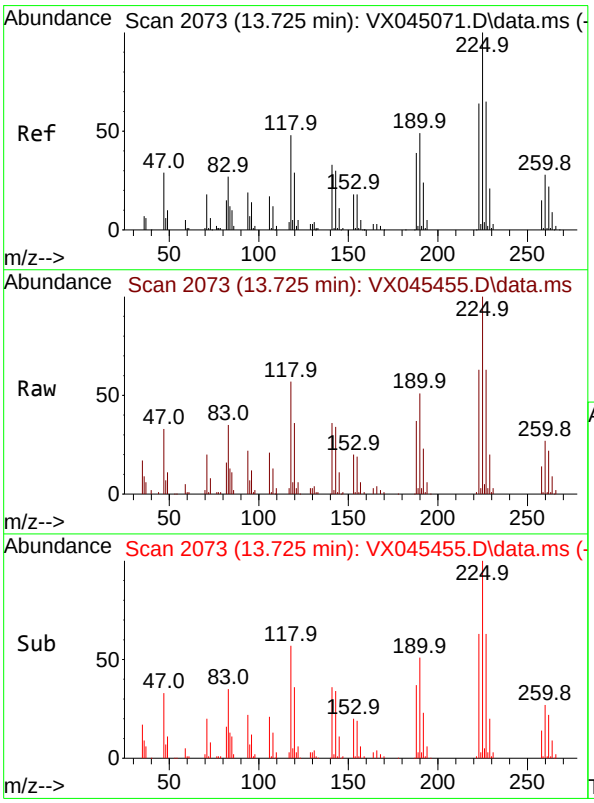
Ion	Ratio	Lower	Upper
180	100		
182	94.5	47.3	141.9
145	32.8	16.3	48.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

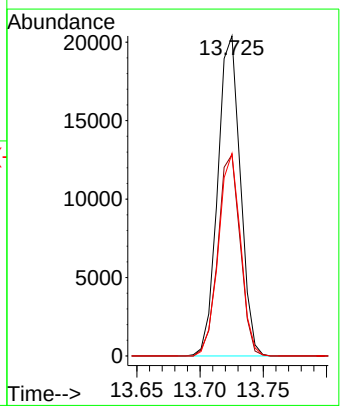
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

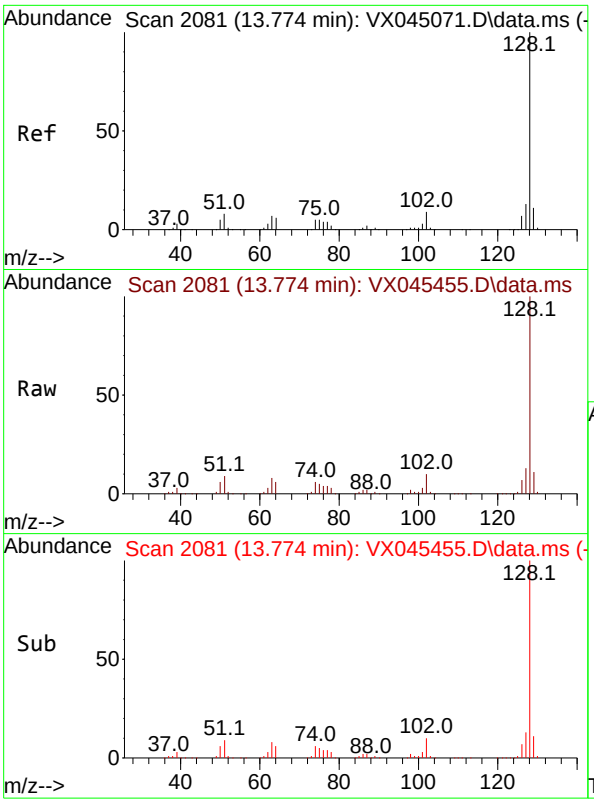


#94
Hexachlorobutadiene
Concen: 56.726 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX045455.D
Acq: 25 Mar 2025 21:00

Tgt Ion:225 Resp: 25302

Ion	Ratio	Lower	Upper
225	100		
223	62.1	31.9	95.7
227	61.9	31.4	94.0

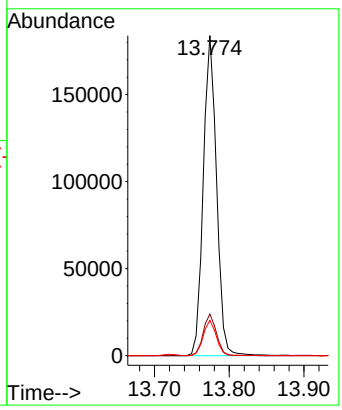




#95
Naphthalene
Concen: 54.121 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045455.D
Acq: 25 Mar 2025 21:00

Tgt Ion:128 Resp: 22622

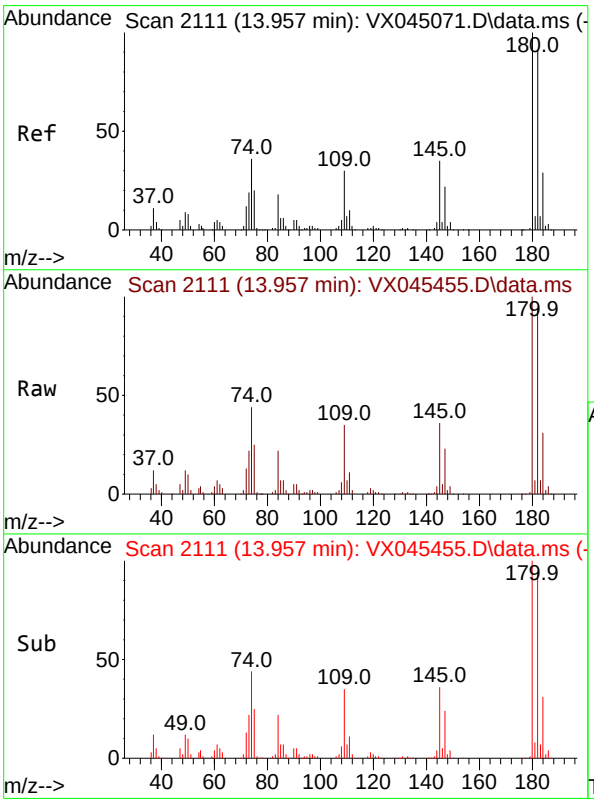
Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.3	15.5
129	11.0	8.7	13.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

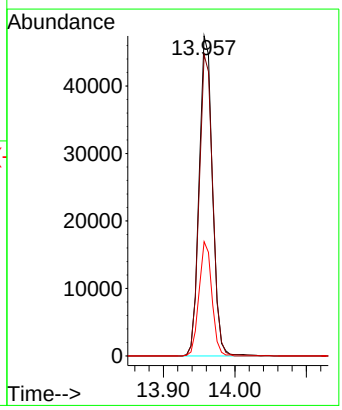
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025



#96
1,2,3-Trichlorobenzene
Concen: 53.273 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.000 min
Lab File: VX045455.D
Acq: 25 Mar 2025 21:00

Tgt Ion:180 Resp: 61143

Ion	Ratio	Lower	Upper
180	100		
182	95.8	47.5	142.6
145	34.5	17.0	50.9



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032525\
Data File : VX045455.D
Acq On : 25 Mar 2025 21:00
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Mar 26 01:47:33 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

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	72	0.00
2	T	Dichlorodifluoromethane	0.629	0.819	-30.2#	94	0.00
3	P	Chloromethane	0.770	0.884	-14.8	84	0.00
4	C	Vinyl Chloride	0.764	0.774	-1.3#	73	0.00
5	T	Bromomethane	0.300	0.362	-20.7	89	0.00
6	T	Chloroethane	0.352	0.433	-23.0	84	0.00
7	T	Trichlorofluoromethane	1.011	1.154	-14.1	79	0.00
8	T	Diethyl Ether	0.396	0.380	4.0	71	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.581	0.697	-20.0	84	0.00
10	T	Methyl Iodide	0.726	0.901	-24.1	84	0.00
11	T	Tert butyl alcohol	0.151	0.133	11.9	71	0.00
12	CM	1,1-Dichloroethene	0.614	0.684	-11.4#	79	0.00
13	T	Acrolein	0.174	0.192	-10.3	79	0.00
14	T	Allyl chloride	1.094	1.281	-17.1	83	0.00
15	T	Acrylonitrile	0.404	0.429	-6.2	75	0.00
16	T	Acetone	0.369	0.395	-7.0	81	0.00
17	T	Carbon Disulfide	1.636	1.714	-4.8	74	0.00
18	T	Methyl Acetate	0.888	0.929	-4.6	77	0.00
19	T	Methyl tert-butyl Ether	2.061	2.334	-13.2	81	0.00
20	T	Methylene Chloride	0.731	0.785	-7.4	81	0.00
21	T	trans-1,2-Dichloroethene	0.607	0.696	-14.7	79	0.00
22	T	Diisopropyl ether	2.224	2.532	-13.8	79	0.00
23	T	Vinyl Acetate	1.856	2.281	-22.9	83	0.00
24	P	1,1-Dichloroethane	1.247	1.404	-12.6	81	0.00
25	T	2-Butanone	0.555	0.613	-10.5	76	0.00
26	T	2,2-Dichloropropane	0.585	0.874	-49.4#	105	0.00
27	T	cis-1,2-Dichloroethene	0.749	0.825	-10.1	78	0.00
28	T	Bromochloromethane	0.594	0.654	-10.1	78	0.00
29	T	Tetrahydrofuran	0.373	0.392	-5.1	75	0.00
30	C	Chloroform	1.239	1.426	-15.1#	82	0.00
31	T	Cyclohexane	1.082	1.254	-15.9	81	0.00
32	T	1,1,1-Trichloroethane	1.000	1.219	-21.9	86	0.00
33	S	1,2-Dichloroethane-d4	0.795	0.954	-20.0	91	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	72	0.00
35	S	Dibromofluoromethane	0.334	0.375	-12.3	82	0.00
36	T	1,1-Dichloropropene	0.459	0.531	-15.7	82	0.00
37	T	Ethyl Acetate	0.591	0.655	-10.8	78	0.00
38	T	Carbon Tetrachloride	0.465	0.566	-21.7	87	0.00
39	T	Methylcyclohexane	0.549	0.662	-20.6	82	0.00
40	TM	Benzene	1.448	1.606	-10.9	77	0.00
41	T	Methacrylonitrile	0.319	0.369	-15.7	78	0.00
42	TM	1,2-Dichloroethane	0.521	0.655	-25.7#	90	0.00
43	T	Isopropyl Acetate	0.874	1.025	-17.3	80	0.00
44	TM	Trichloroethene	0.340	0.376	-10.6	80	0.00
45	C	1,2-Dichloropropane	0.372	0.410	-10.2#	80	0.00
46	T	Dibromomethane	0.263	0.312	-18.6	84	0.00
47	T	Bromodichloromethane	0.516	0.612	-18.6	84	0.00
48	T	Methyl methacrylate	0.438	0.539	-23.1	84	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032525\
Data File : VX045455.D
Acq On : 25 Mar 2025 21:00
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Mar 26 01:47:33 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

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	71	0.00
50	S	Toluene-d8	1.212	1.279	-5.5	76	0.00
51	T	4-Methyl-2-Pentanone	0.587	0.701	-19.4	83	0.00
52	CM	Toluene	0.849	0.978	-15.2#	79	0.00
53	T	t-1,3-Dichloropropene	0.431	0.530	-23.0	82	0.00
54	T	cis-1,3-Dichloropropene	0.503	0.608	-20.9	82	0.00
55	T	1,1,2-Trichloroethane	0.350	0.391	-11.7	79	0.00
56	T	Ethyl methacrylate	0.532	0.658	-23.7	83	0.00
57	T	1,3-Dichloropropane	0.605	0.692	-14.4	81	0.00
58	T	2-Chloroethyl Vinyl ether	0.259	0.332	-28.2#	85	0.00
59	T	2-Hexanone	0.425	0.525	-23.5	85	0.00
60	T	Dibromochloromethane	0.366	0.438	-19.7	82	0.00
61	T	1,2-Dibromoethane	0.349	0.404	-15.8	82	0.00
62	S	4-Bromofluorobenzene	0.402	0.501	-24.6	90	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	75	0.00
64	T	Tetrachloroethene	0.320	0.359	-12.2	82	0.00
65	PM	Chlorobenzene	1.058	1.173	-10.9	80	0.00
66	T	1,1,1,2-Tetrachloroethane	0.352	0.399	-13.4	84	0.00
67	C	Ethyl Benzene	1.843	2.140	-16.1#	82	0.00
68	T	m/p-Xylenes	0.675	0.775	-14.8	80	0.00
69	T	o-Xylene	0.681	0.774	-13.7	82	0.00
70	T	Styrene	1.101	1.315	-19.4	83	0.00
71	P	Bromoform	0.266	0.310	-16.5	84	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	81	0.00
73	T	Isopropylbenzene	3.903	4.278	-9.6	84	0.00
74	T	N-amyl acetate	1.831	2.205	-20.4	91	0.00
75	P	1,1,2,2-Tetrachloroethane	1.432	1.479	-3.3	85	0.00
76	T	1,2,3-Trichloropropane	1.164	1.253	-7.6	89	0.00
77	T	Bromobenzene	0.921	0.989	-7.4	86	0.00
78	T	n-propylbenzene	4.409	5.033	-14.2	85	0.00
79	T	2-Chlorotoluene	2.808	3.106	-10.6	88	0.00
80	T	1,3,5-Trimethylbenzene	3.156	3.591	-13.8	86	0.00
81	T	trans-1,4-Dichloro-2-butene	0.340	0.356	-4.7	86	0.00
82	T	4-Chlorotoluene	3.060	3.558	-16.3	89	0.00
83	T	tert-Butylbenzene	3.242	3.569	-10.1	86	0.00
84	T	1,2,4-Trimethylbenzene	3.175	3.653	-15.1	88	0.00
85	T	sec-Butylbenzene	3.884	4.494	-15.7	87	0.00
86	T	p-Isopropyltoluene	3.139	3.698	-17.8	88	0.00
87	T	1,3-Dichlorobenzene	1.643	1.781	-8.4	87	0.00
88	T	1,4-Dichlorobenzene	1.662	1.787	-7.5	86	0.00
89	T	n-Butylbenzene	2.703	3.293	-21.8	89	0.00
90	T	Hexachloroethane	0.568	0.623	-9.7	84	0.00
91	T	1,2-Dichlorobenzene	1.648	1.805	-9.5	88	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.279	0.328	-17.6	92	0.00
93	T	1,2,4-Trichlorobenzene	0.938	1.039	-10.8	84	0.00
94	T	Hexachlorobutadiene	0.385	0.436	-13.2	91	0.00
95	T	Naphthalene	3.605	3.902	-8.2	81	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032525\
Data File : VX045455.D
Acq On : 25 Mar 2025 21:00
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Mar 26 01:47:33 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

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	1.055	-6.6	81	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032525\
Data File : VX045455.D
Acq On : 25 Mar 2025 21:00
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Mar 26 01:47:33 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

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	72	0.00
2	T	Dichlorodifluoromethane	50.000	65.042	-30.1#	94	0.00
3	P	Chloromethane	50.000	57.417	-14.8	84	0.00
4	C	Vinyl Chloride	50.000	50.657	-1.3#	73	0.00
5	T	Bromomethane	50.000	60.177	-20.4	89	0.00
6	T	Chloroethane	50.000	61.459	-22.9	84	0.00
7	T	Trichlorofluoromethane	50.000	57.053	-14.1	79	0.00
8	T	Diethyl Ether	50.000	48.076	3.8	71	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	59.961	-19.9	84	0.00
10	T	Methyl Iodide	50.000	61.999	-24.0	84	0.00
11	T	Tert butyl alcohol	250.000	220.637	11.7	71	0.00
12	CM	1,1-Dichloroethene	50.000	55.640	-11.3#	79	0.00
13	T	Acrolein	250.000	274.979	-10.0	79	0.00
14	T	Allyl chloride	50.000	58.584	-17.2	83	0.00
15	T	Acrylonitrile	250.000	265.855	-6.3	75	0.00
16	T	Acetone	250.000	267.586	-7.0	81	0.00
17	T	Carbon Disulfide	50.000	52.381	-4.8	74	0.00
18	T	Methyl Acetate	50.000	52.322	-4.6	77	0.00
19	T	Methyl tert-butyl Ether	50.000	56.621	-13.2	81	0.00
20	T	Methylene Chloride	50.000	53.728	-7.5	81	0.00
21	T	trans-1,2-Dichloroethene	50.000	57.338	-14.7	79	0.00
22	T	Diisopropyl ether	50.000	56.926	-13.9	79	0.00
23	T	Vinyl Acetate	250.000	307.283	-22.9	83	0.00
24	P	1,1-Dichloroethane	50.000	56.314	-12.6	81	0.00
25	T	2-Butanone	250.000	275.806	-10.3	76	0.00
26	T	2,2-Dichloropropane	50.000	74.708	-49.4#	105	0.00
27	T	cis-1,2-Dichloroethene	50.000	55.084	-10.2	78	0.00
28	T	Bromochloromethane	50.000	55.038	-10.1	78	0.00
29	T	Tetrahydrofuran	250.000	262.606	-5.0	75	0.00
30	C	Chloroform	50.000	57.585	-15.2#	82	0.00
31	T	Cyclohexane	50.000	57.952	-15.9	81	0.00
32	T	1,1,1-Trichloroethane	50.000	60.925	-21.8	86	0.00
33	S	1,2-Dichloroethane-d4	50.000	59.981	-20.0	91	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	72	0.00
35	S	Dibromofluoromethane	50.000	56.066	-12.1	82	0.00
36	T	1,1-Dichloropropene	50.000	57.863	-15.7	82	0.00
37	T	Ethyl Acetate	50.000	55.438	-10.9	78	0.00
38	T	Carbon Tetrachloride	50.000	60.748	-21.5	87	0.00
39	T	Methylcyclohexane	50.000	60.220	-20.4	82	0.00
40	TM	Benzene	50.000	55.448	-10.9	77	0.00
41	T	Methacrylonitrile	50.000	57.777	-15.6	78	0.00
42	TM	1,2-Dichloroethane	50.000	62.788	-25.6#	90	0.00
43	T	Isopropyl Acetate	50.000	58.665	-17.3	80	0.00
44	TM	Trichloroethene	50.000	55.263	-10.5	80	0.00
45	C	1,2-Dichloropropane	50.000	55.105	-10.2#	80	0.00
46	T	Dibromomethane	50.000	59.321	-18.6	84	0.00
47	T	Bromodichloromethane	50.000	59.321	-18.6	84	0.00
48	T	Methyl methacrylate	50.000	61.434	-22.9	84	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032525\
Data File : VX045455.D
Acq On : 25 Mar 2025 21:00
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Mar 26 01:47:33 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

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	1006.555	-0.7	71	0.00
50	S	Toluene-d8	50.000	52.766	-5.5	76	0.00
51	T	4-Methyl-2-Pentanone	250.000	298.691	-19.5	83	0.00
52	CM	Toluene	50.000	57.535	-15.1#	79	0.00
53	T	t-1,3-Dichloropropene	50.000	61.389	-22.8	82	0.00
54	T	cis-1,3-Dichloropropene	50.000	60.428	-20.9	82	0.00
55	T	1,1,2-Trichloroethane	50.000	55.917	-11.8	79	0.00
56	T	Ethyl methacrylate	50.000	61.863	-23.7	83	0.00
57	T	1,3-Dichloropropane	50.000	57.147	-14.3	81	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	320.494	-28.2#	85	0.00
59	T	2-Hexanone	250.000	308.540	-23.4	85	0.00
60	T	Dibromochloromethane	50.000	59.912	-19.8	82	0.00
61	T	1,2-Dibromoethane	50.000	57.791	-15.6	82	0.00
62	S	4-Bromofluorobenzene	50.000	62.340	-24.7	90	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	75	0.00
64	T	Tetrachloroethene	50.000	56.012	-12.0	82	0.00
65	PM	Chlorobenzene	50.000	55.448	-10.9	80	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	56.581	-13.2	84	0.00
67	C	Ethyl Benzene	50.000	58.029	-16.1#	82	0.00
68	T	m/p-Xylenes	100.000	114.904	-14.9	80	0.00
69	T	o-Xylene	50.000	56.852	-13.7	82	0.00
70	T	Styrene	50.000	59.715	-19.4	83	0.00
71	P	Bromoform	50.000	58.263	-16.5	84	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	81	0.00
73	T	Isopropylbenzene	50.000	54.809	-9.6	84	0.00
74	T	N-amyl acetate	50.000	60.199	-20.4	91	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	51.622	-3.2	85	0.00
76	T	1,2,3-Trichloropropane	50.000	53.846	-7.7	89	0.00
77	T	Bromobenzene	50.000	53.713	-7.4	86	0.00
78	T	n-propylbenzene	50.000	57.086	-14.2	85	0.00
79	T	2-Chlorotoluene	50.000	55.315	-10.6	88	0.00
80	T	1,3,5-Trimethylbenzene	50.000	56.895	-13.8	86	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	52.375	-4.8	86	0.00
82	T	4-Chlorotoluene	50.000	58.131	-16.3	89	0.00
83	T	tert-Butylbenzene	50.000	55.036	-10.1	86	0.00
84	T	1,2,4-Trimethylbenzene	50.000	57.518	-15.0	88	0.00
85	T	sec-Butylbenzene	50.000	57.851	-15.7	87	0.00
86	T	p-Isopropyltoluene	50.000	58.914	-17.8	88	0.00
87	T	1,3-Dichlorobenzene	50.000	54.210	-8.4	87	0.00
88	T	1,4-Dichlorobenzene	50.000	53.778	-7.6	86	0.00
89	T	n-Butylbenzene	50.000	60.909	-21.8	89	0.00
90	T	Hexachloroethane	50.000	54.843	-9.7	84	0.00
91	T	1,2-Dichlorobenzene	50.000	54.779	-9.6	88	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	58.867	-17.7	92	0.00
93	T	1,2,4-Trichlorobenzene	50.000	55.384	-10.8	84	0.00
94	T	Hexachlorobutadiene	50.000	56.726	-13.5	91	0.00
95	T	Naphthalene	50.000	54.121	-8.2	81	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032525\
Data File : VX045455.D
Acq On : 25 Mar 2025 21:00
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Mar 26 01:47:33 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

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	53.273	-6.5	81	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

QC SAMPLE DATA

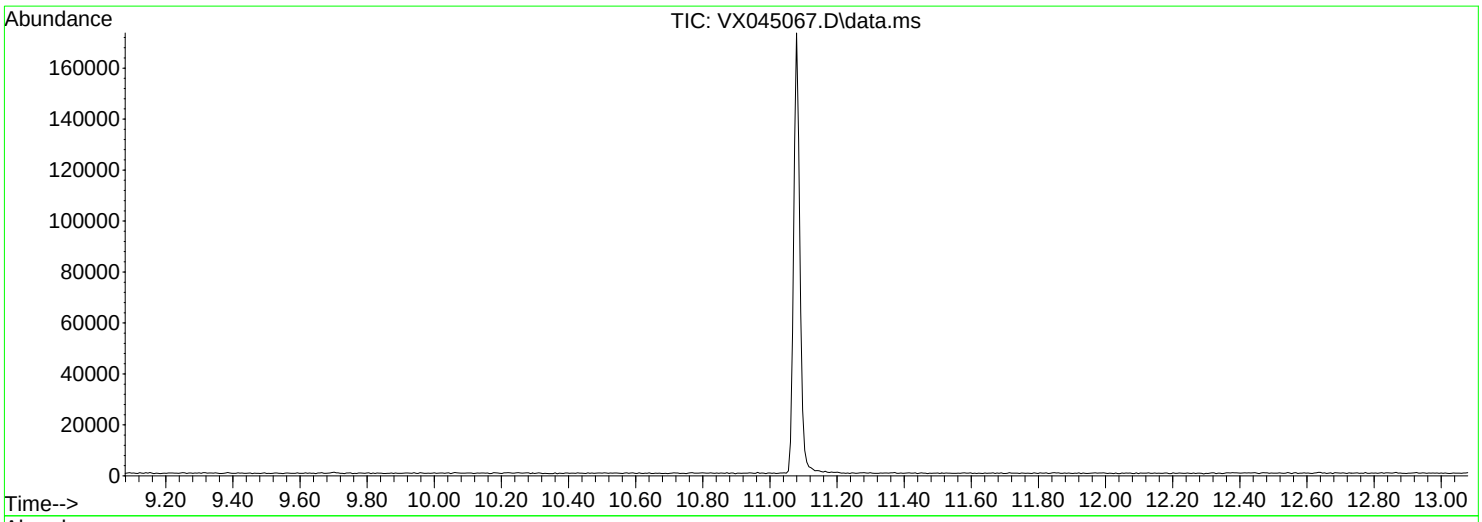
Sample Results: **VX045067.D**

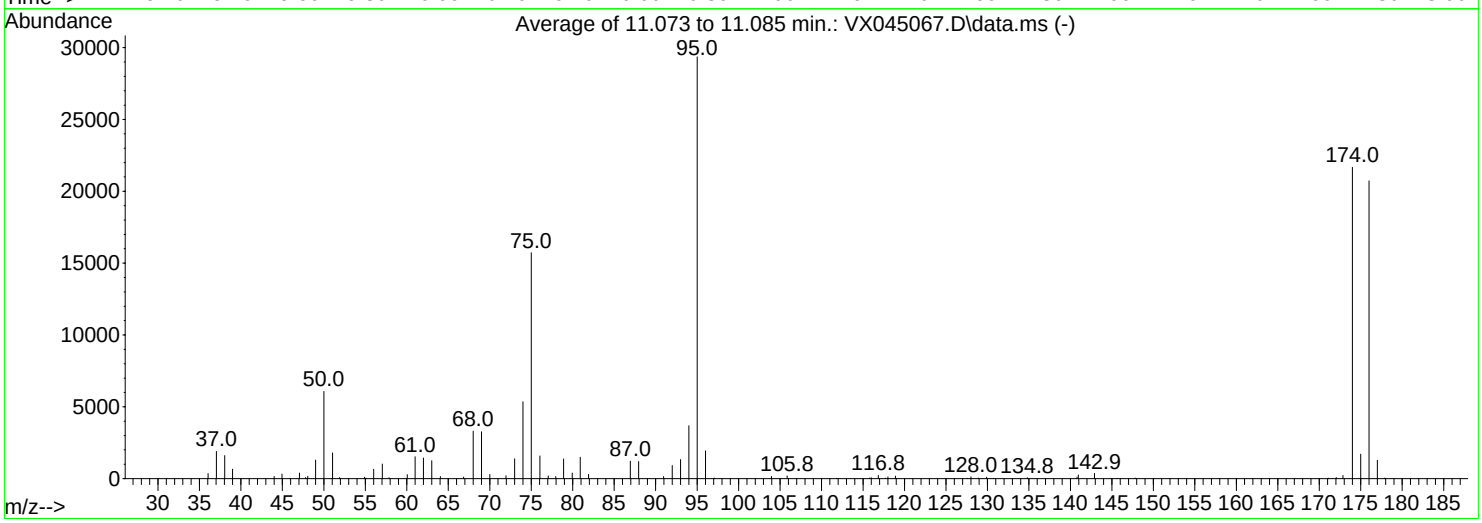
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045067.D
Acq On : 28 Feb 2025 01:03
Operator : JC/MD
Sample : BFB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

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

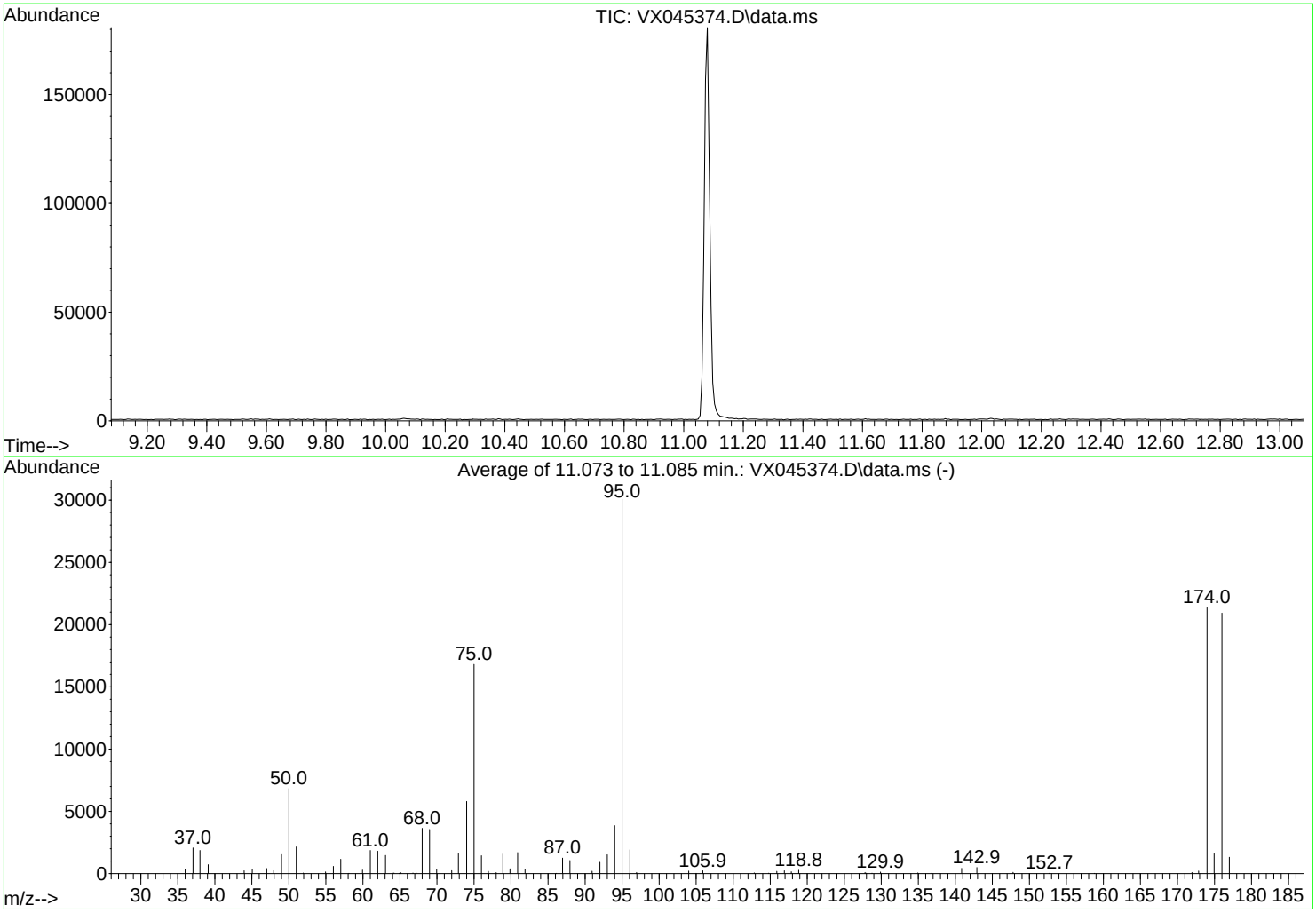
Sample Results: **VX045374.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032125\
Data File : VX045374.D
Acq On : 21 Mar 2025 09:29
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 1631

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	22.7	6834	PASS
75	95	30	60	55.8	16798	PASS
95	95	100	100	100.0	30088	PASS
96	95	5	9	6.4	1915	PASS
173	174	0.00	2	1.0	207	PASS
174	95	50	100	71.0	21352	PASS
175	174	5	9	7.5	1599	PASS
176	174	95	101	98.0	20923	PASS
177	176	5	9	6.3	1317	PASS

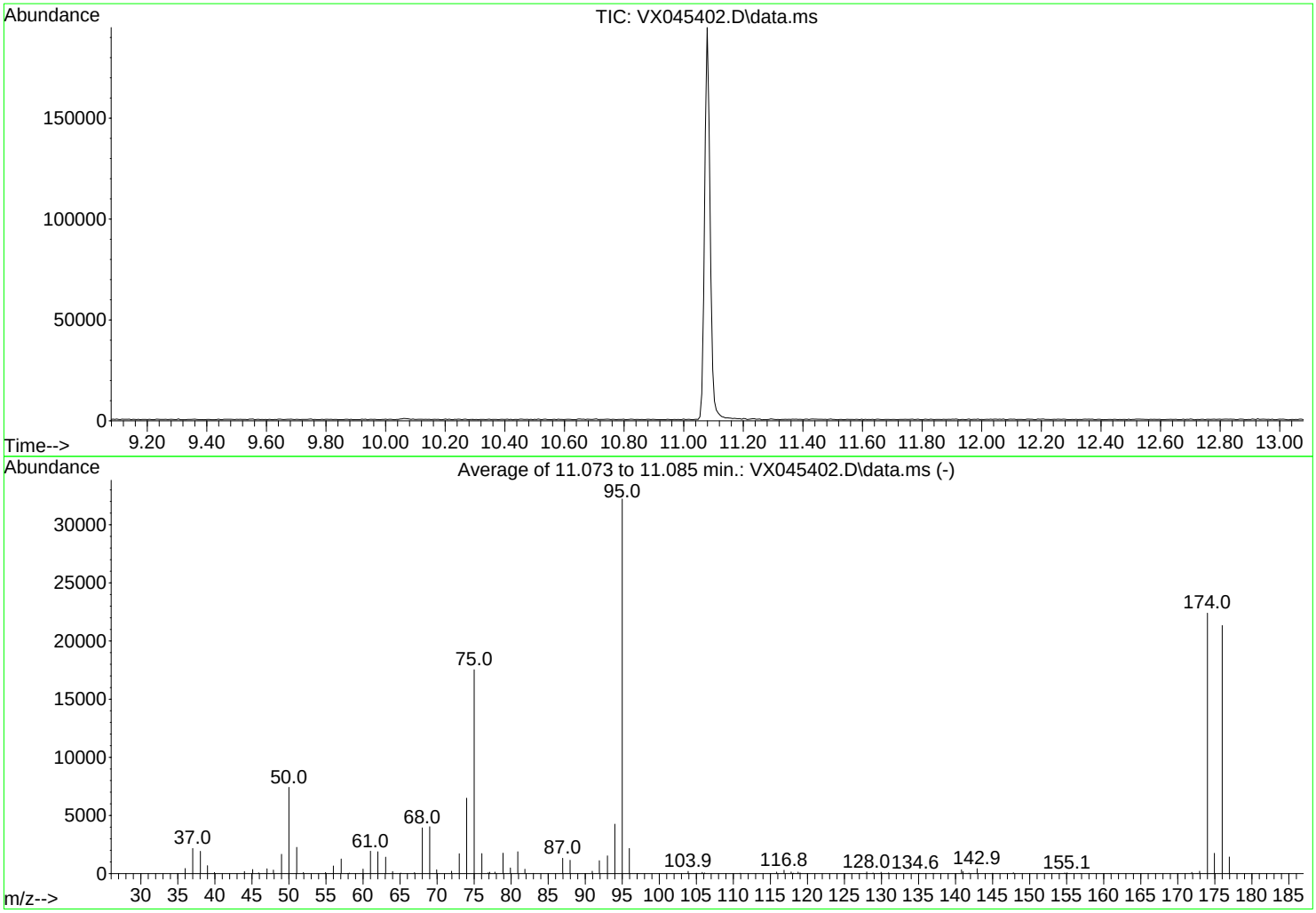
Sample Results: **VX045402.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032425\
Data File : VX045402.D
Acq On : 24 Mar 2025 09:58
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

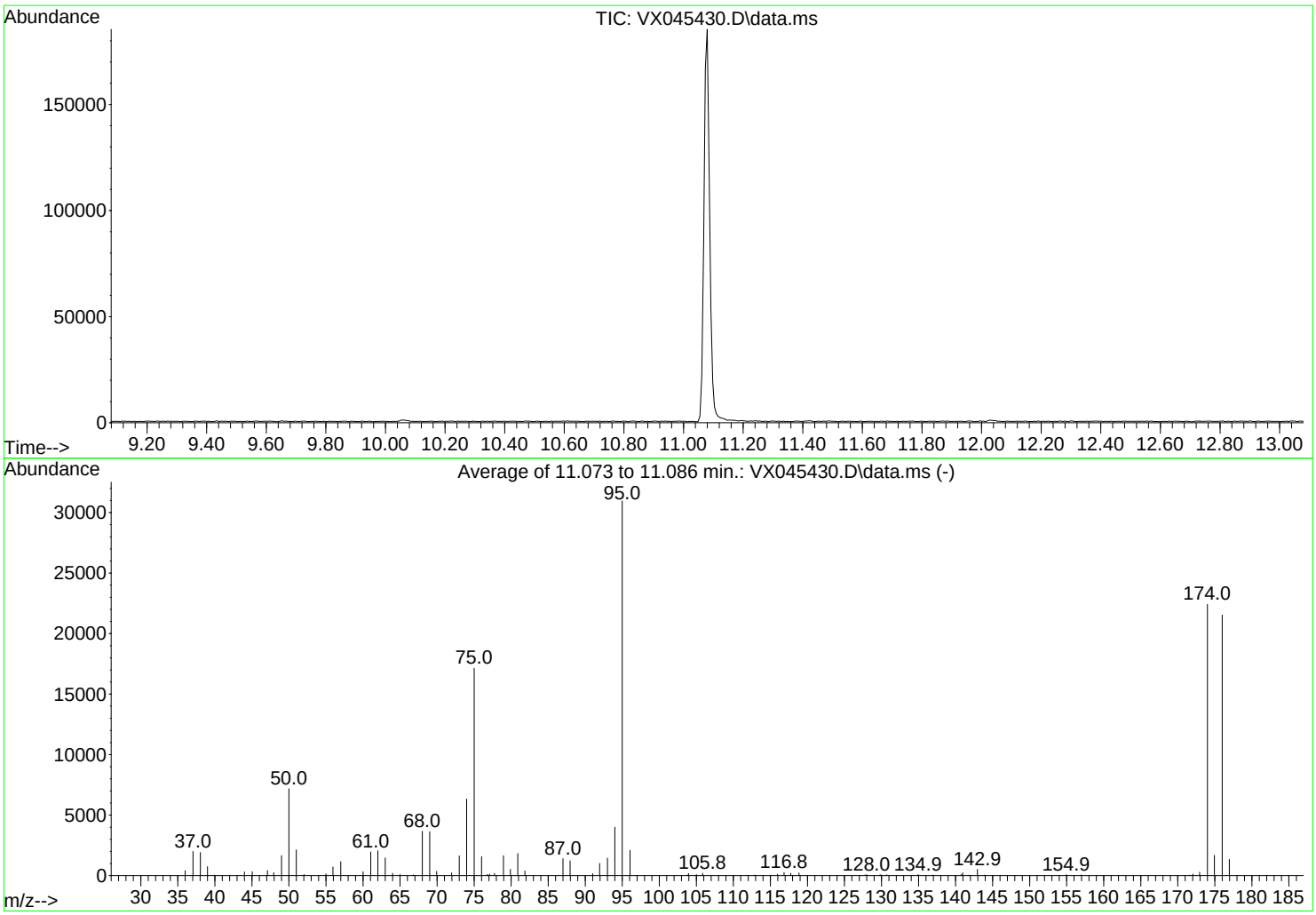
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	23.0	7420	PASS
75	95	30	60	54.5	17542	PASS
95	95	100	100	100.0	32216	PASS
96	95	5	9	6.7	2161	PASS
173	174	0.00	2	1.0	214	PASS
174	95	50	100	69.5	22403	PASS
175	174	5	9	7.8	1744	PASS
176	174	95	101	95.2	21333	PASS
177	176	5	9	6.7	1433	PASS

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032525\
Data File : VX045430.D
Acq On : 25 Mar 2025 09:37
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	7179	PASS
75	95	30	60	55.4	17141	PASS
95	95	100	100	100.0	30968	PASS
96	95	5	9	6.8	2095	PASS
173	174	0.00	2	1.2	277	PASS
174	95	50	100	72.4	22416	PASS
175	174	5	9	7.5	1677	PASS
176	174	95	101	96.1	21536	PASS
177	176	5	9	6.2	1345	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:	VX0321WBL01	SDG No.:	Q1608
Lab Sample ID:	VX0321WBL01	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
VX045377.D	1		03/21/25 10:52	VX032125

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:	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	
Client Sample ID:	VX0321WBL01	SDG No.:	Q1608
Lab Sample ID:	VX0321WBL01	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
VX045377.D	1		03/21/25 10:52	VX032125

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	56.9		81 - 118		114%	SPK: 50
1868-53-7	Dibromofluoromethane	53.4		80 - 119		107%	SPK: 50
2037-26-5	Toluene-d8	51.9		89 - 112		104%	SPK: 50
460-00-4	4-Bromofluorobenzene	56.1		85 - 114		112%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	67400	5.544				
540-36-3	1,4-Difluorobenzene	133000	6.757				
3114-55-4	Chlorobenzene-d5	125000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	52900	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:	VX0321WBL01	SDG No.:	Q1608
Lab Sample ID:	VX0321WBL01	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
VX045377.D	1		03/21/25 10:52	VX032125

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\VX032125\
Data File : VX045377.D
Acq On : 21 Mar 2025 10:52
Operator : JC/MD
Sample : VX0321WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0321WBL01

Quant Time: Mar 21 23:10:42 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	67403	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	133286	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	125274	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	52894	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	60995	56.891	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 113.780%			
35) Dibromofluoromethane	5.379	113	47608	53.417	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.840%			
50) Toluene-d8	8.647	98	167556	51.857	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.720%			
62) 4-Bromofluorobenzene	11.079	95	60108	56.140	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 112.280%			

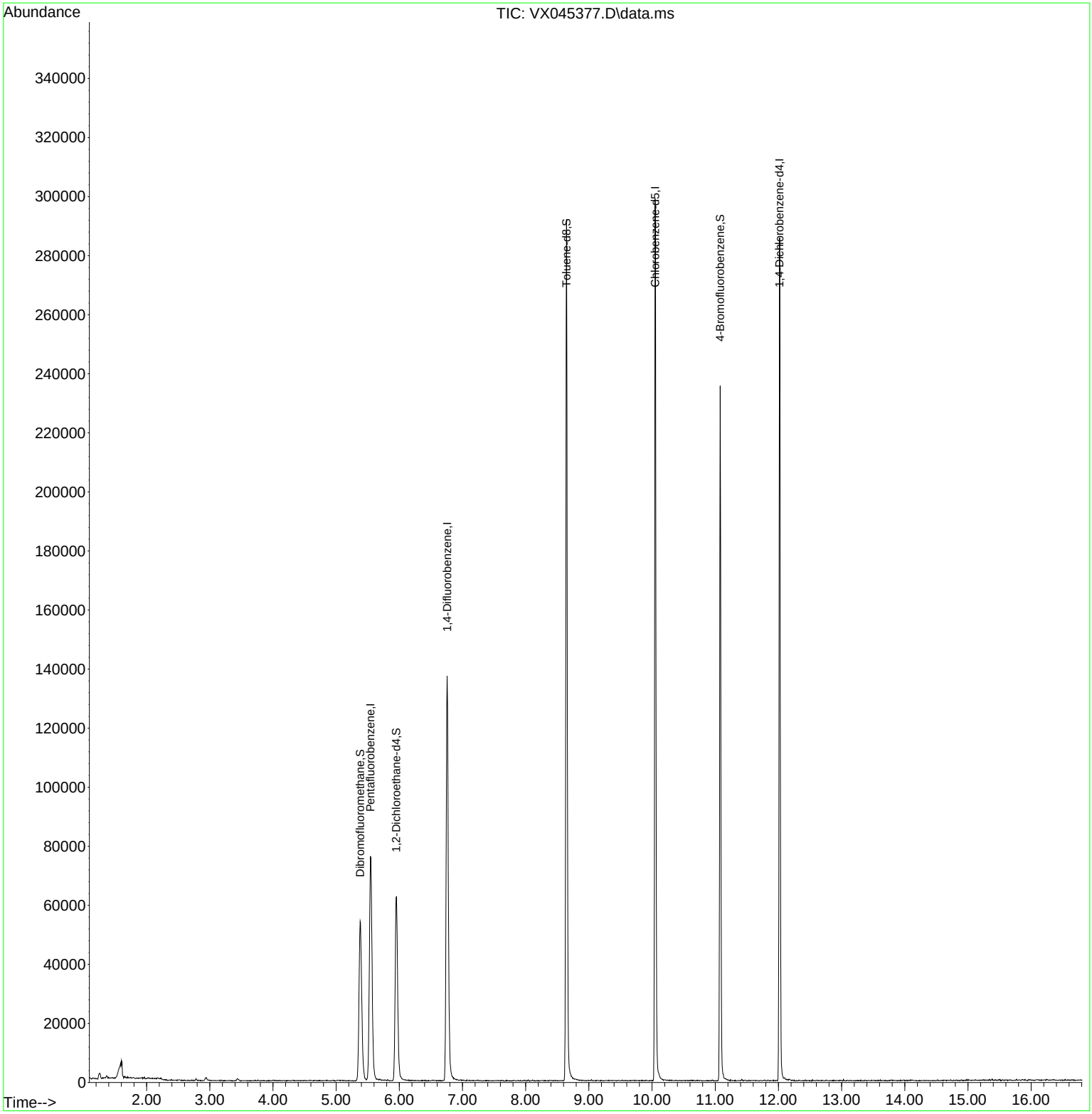
Target Compounds Qvalue

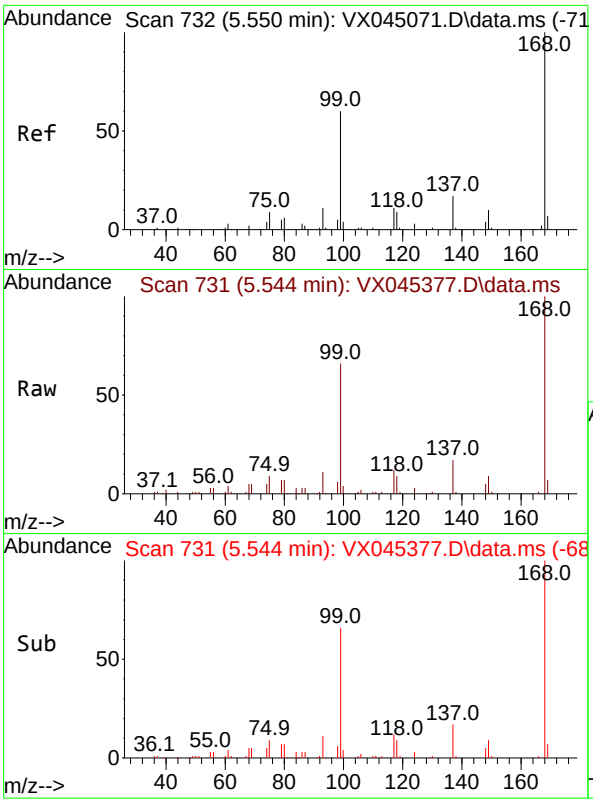
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032125\
Data File : VX045377.D
Acq On : 21 Mar 2025 10:52
Operator : JC/MD
Sample : VX0321WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0321WBL01

Quant Time: Mar 21 23:10:42 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



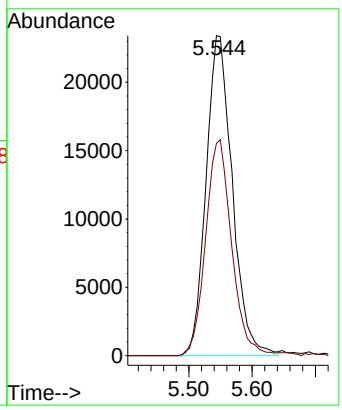


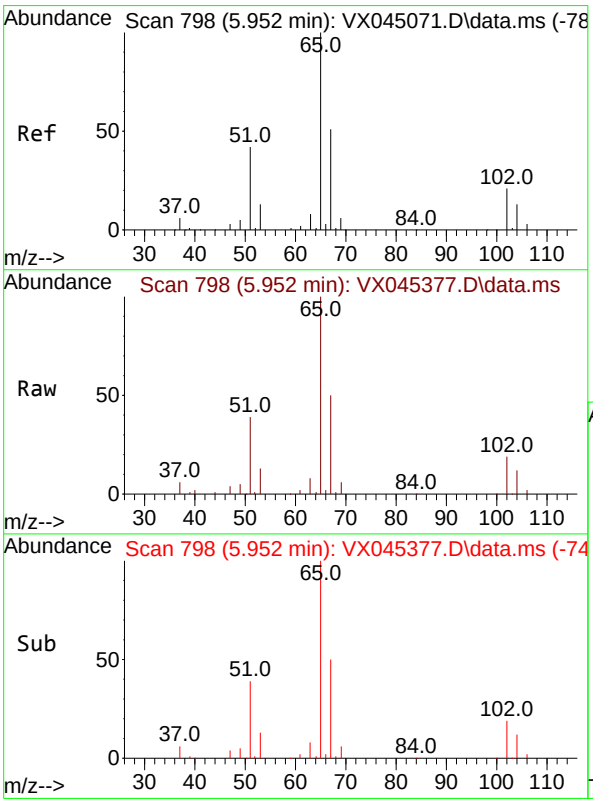
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045377.D
Acq: 21 Mar 2025 10:52

Instrument :
MSVOA_X
ClientSampleId :
VX0321WBL01

Tgt Ion:168 Resp: 67403

Ion	Ratio	Lower	Upper
168	100		
99	66.3	48.2	72.4

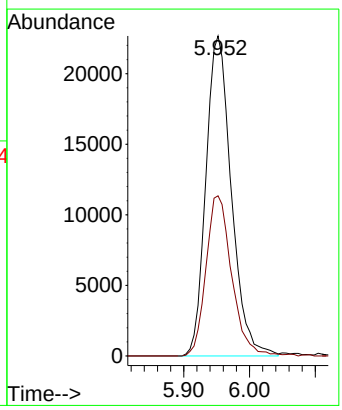


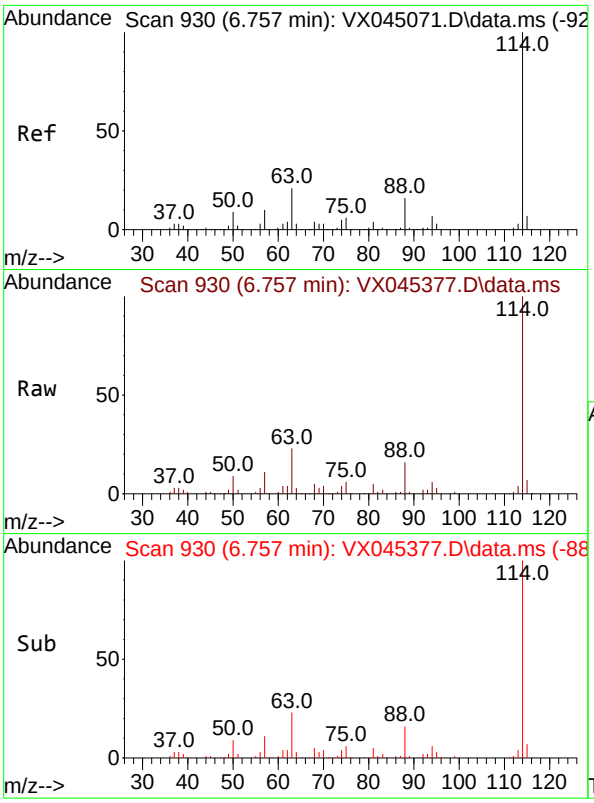


#33
1,2-Dichloroethane-d4
Concen: 56.891 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX045377.D
Acq: 21 Mar 2025 10:52

Tgt Ion: 65 Resp: 60995

Ion	Ratio	Lower	Upper
65	100		
67	50.5	0.0	106.2



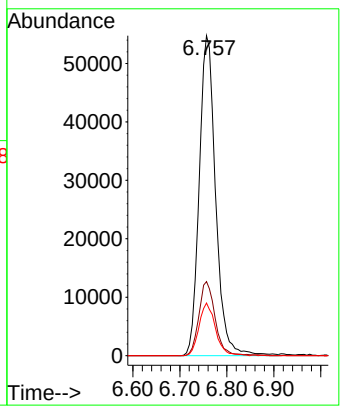


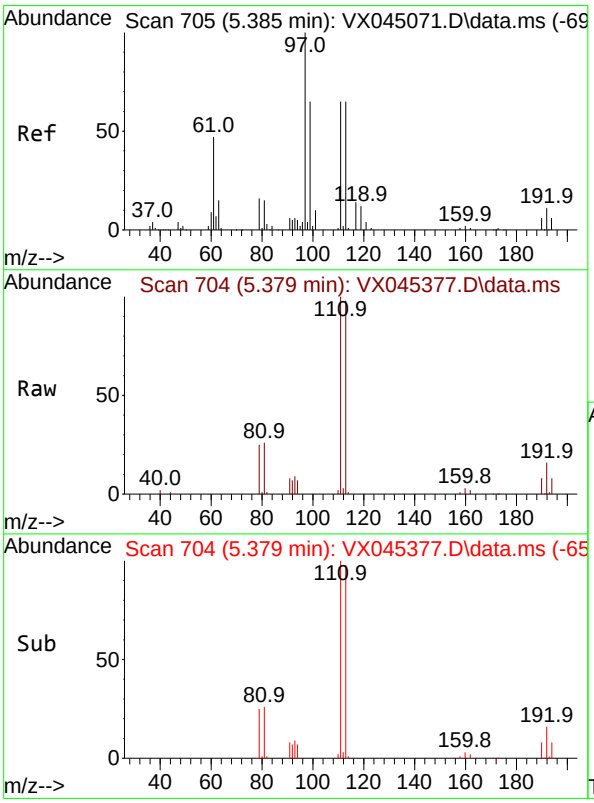
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX045377.D
Acq: 21 Mar 2025 10:52

Instrument :
MSVOA_X
ClientSampleId :
VX0321WBL01

Tgt Ion:114 Resp: 133286

Ion	Ratio	Lower	Upper
114	100		
63	23.2	0.0	41.8
88	16.5	0.0	32.8

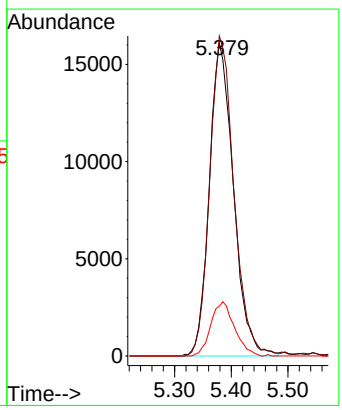


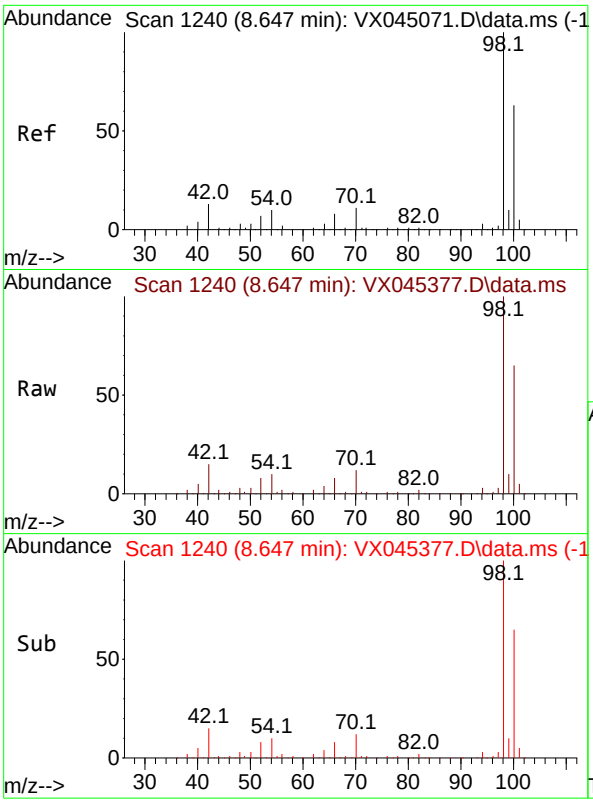


#35
Dibromofluoromethane
Concen: 53.417 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX045377.D
Acq: 21 Mar 2025 10:52

Tgt Ion:113 Resp: 47608

Ion	Ratio	Lower	Upper
113	100		
111	102.3	81.8	122.6
192	17.0	14.3	21.5



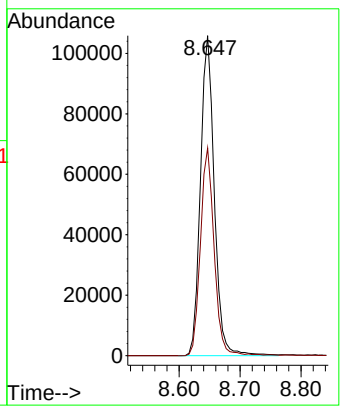


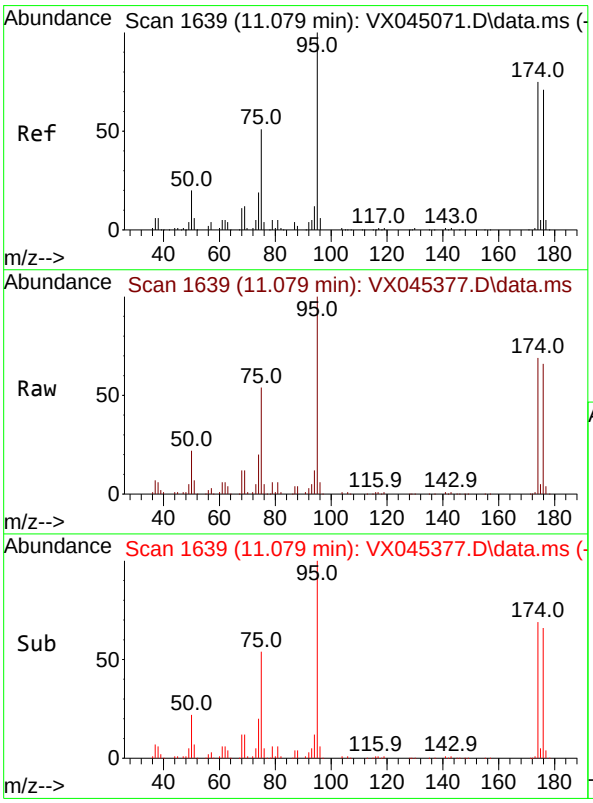
#50
Toluene-d8
Concen: 51.857 ug/l
RT: 8.647 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045377.D
Acq: 21 Mar 2025 10:52

Instrument :
MSVOA_X
ClientSampleId :
VX0321WBL01

Tgt Ion: 98 Resp: 167556

Ion	Ratio	Lower	Upper
98	100		
100	64.3	52.0	78.0

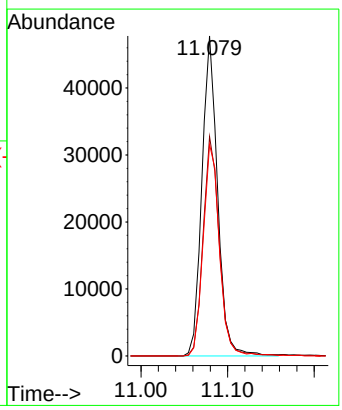


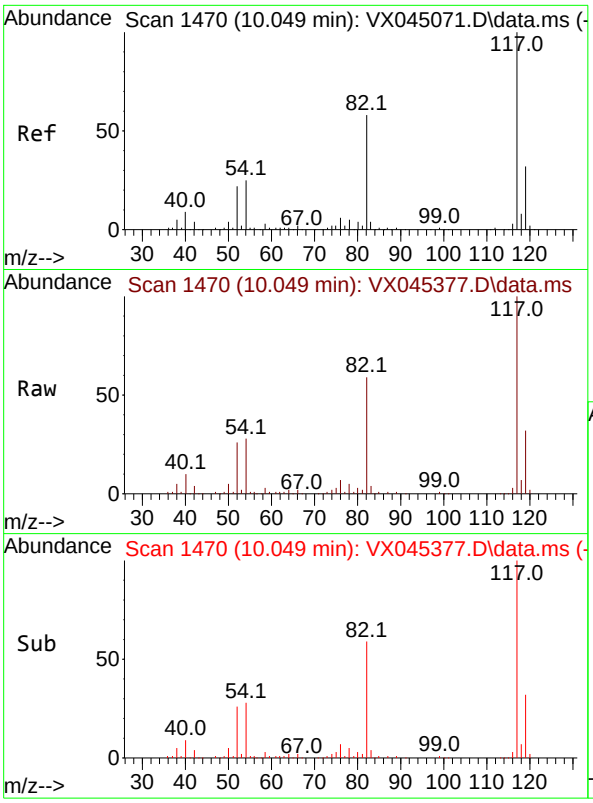


#62
4-Bromofluorobenzene
Concen: 56.140 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045377.D
Acq: 21 Mar 2025 10:52

Tgt Ion: 95 Resp: 60108

Ion	Ratio	Lower	Upper
95	100		
174	70.8	0.0	148.2
176	68.7	0.0	141.4



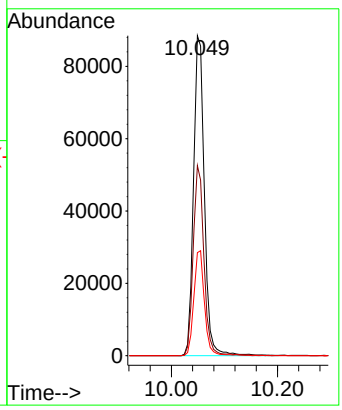


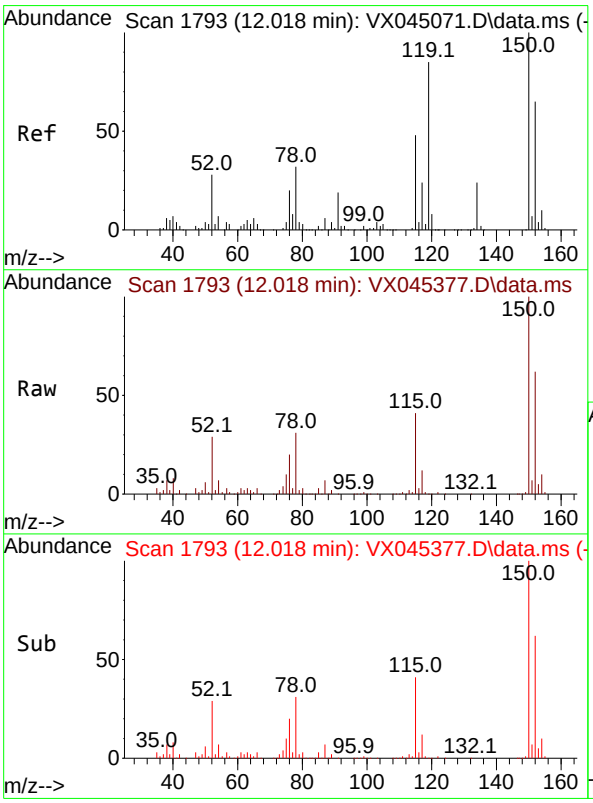
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045377.D
Acq: 21 Mar 2025 10:52

Instrument :
MSVOA_X
ClientSampleId :
VX0321WBL01

Tgt Ion:117 Resp: 125274

Ion	Ratio	Lower	Upper
117	100		
82	59.4	46.3	69.5
119	32.2	25.7	38.5

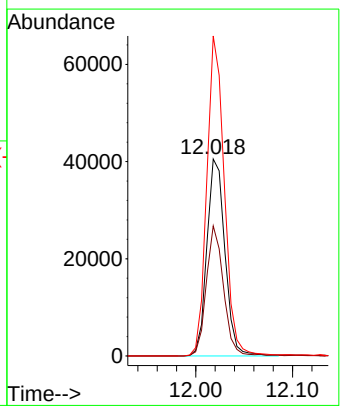




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045377.D
Acq: 21 Mar 2025 10:52

Tgt Ion:152 Resp: 52894

Ion	Ratio	Lower	Upper
152	100		
115	63.0	44.2	132.6
150	157.9	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:	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	
Client Sample ID:	VX0324WBL01	SDG No.:	Q1608
Lab Sample ID:	VX0324WBL01	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
VX045405.D	1		03/24/25 11:19	VX032425

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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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:	VX0324WBL01	SDG No.:	Q1608
Lab Sample ID:	VX0324WBL01	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
VX045405.D	1		03/24/25 11:19	VX032425

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	58.0		81 - 118		116%	SPK: 50
1868-53-7	Dibromofluoromethane	53.6		80 - 119		107%	SPK: 50
2037-26-5	Toluene-d8	50.6		89 - 112		101%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.6		85 - 114		105%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	69900	5.55				
540-36-3	1,4-Difluorobenzene	137000	6.757				
3114-55-4	Chlorobenzene-d5	126000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	49400	12.018				

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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:	VX0324WBL01	SDG No.:	Q1608
Lab Sample ID:	VX0324WBL01	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
VX045405.D	1		03/24/25 11:19	VX032425

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\VX032425\
Data File : VX045405.D
Acq On : 24 Mar 2025 11:19
Operator : JC/MD
Sample : VX0324WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0324WBL01

Quant Time: Mar 25 01:29:47 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	69924	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	137486	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	126117	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	49419	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	64463	57.958	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 115.920%			
35) Dibromofluoromethane	5.379	113	49294	53.619	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.240%			
50) Toluene-d8	8.647	98	168565	50.576	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.160%			
62) 4-Bromofluorobenzene	11.079	95	58097	52.604	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 105.200%			

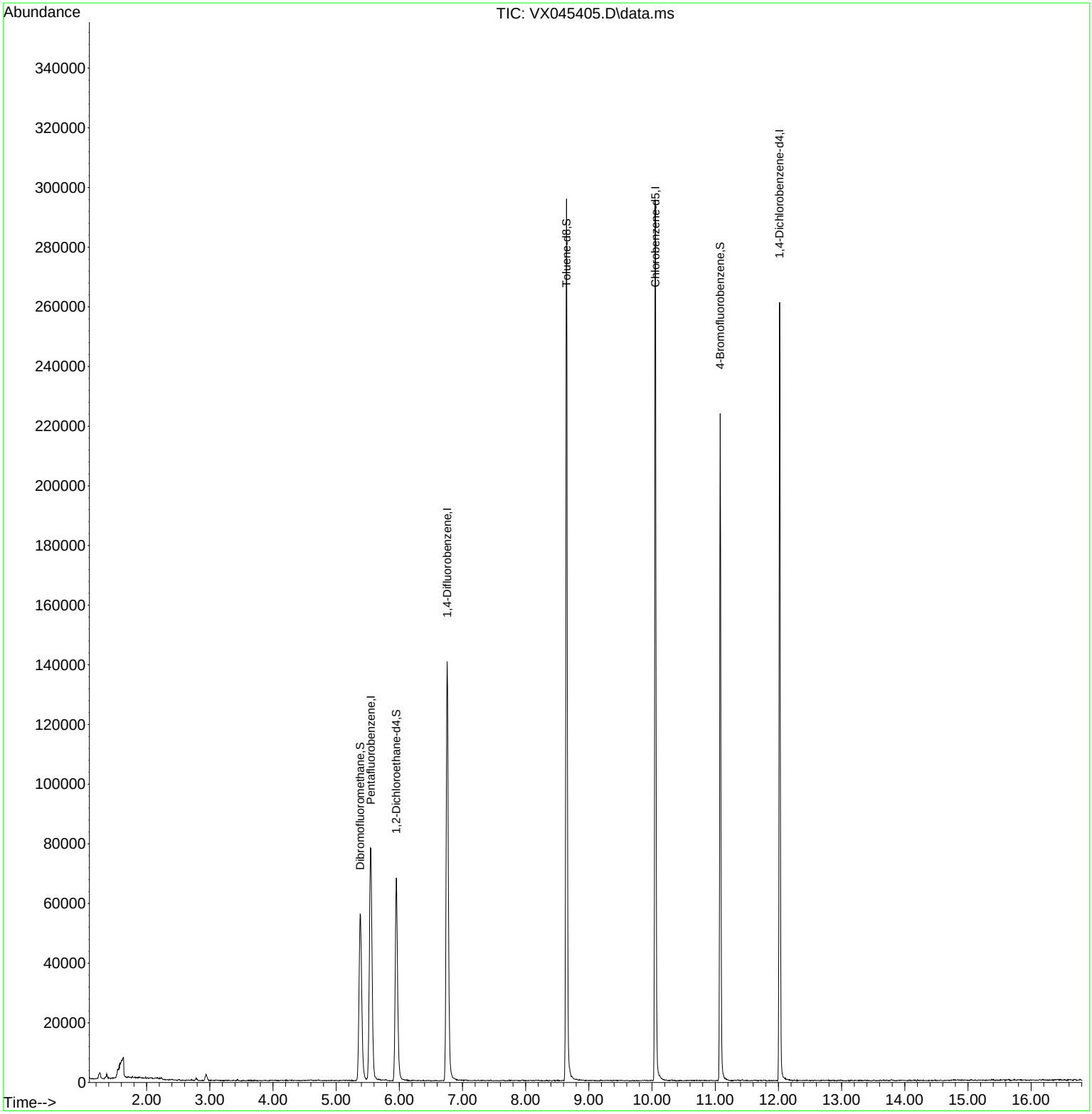
Target Compounds Qvalue

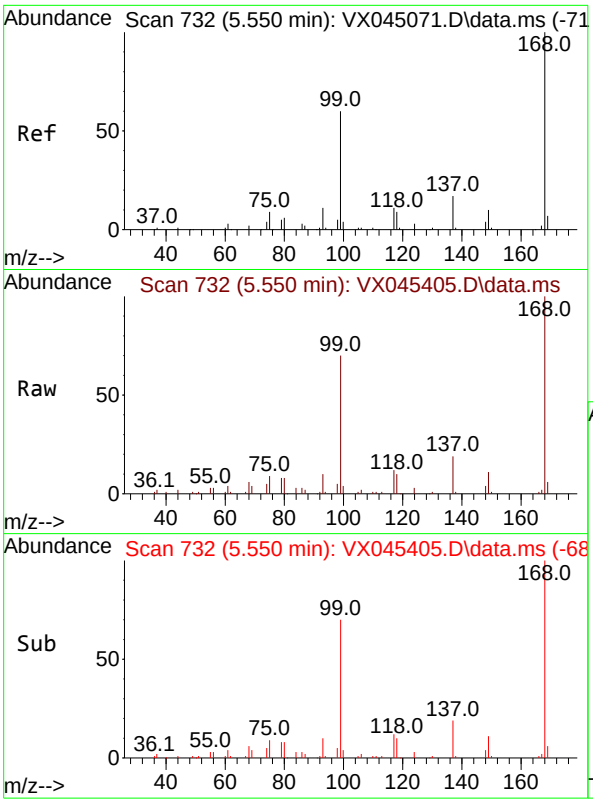
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032425\
Data File : VX045405.D
Acq On : 24 Mar 2025 11:19
Operator : JC/MD
Sample : VX0324WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0324WBL01

Quant Time: Mar 25 01:29:47 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



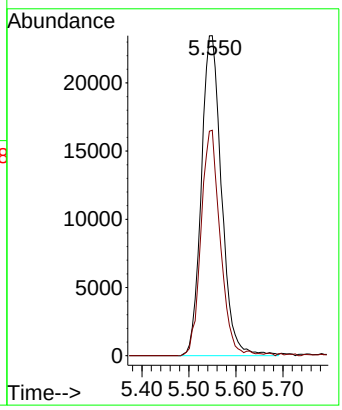


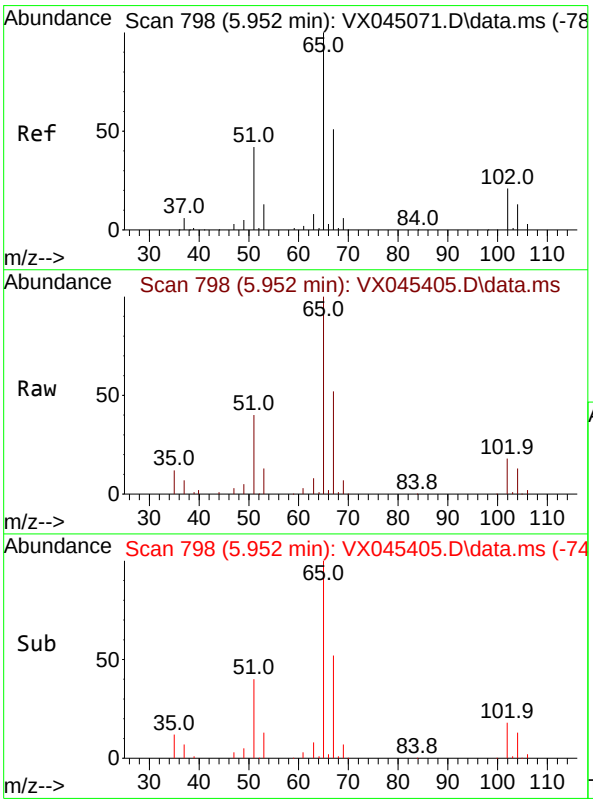
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045405.D
Acq: 24 Mar 2025 11:19

Instrument :
MSVOA_X
ClientSampleId :
VX0324WBL01

Tgt Ion:168 Resp: 69924

Ion	Ratio	Lower	Upper
168	100		
99	70.5	48.2	72.4

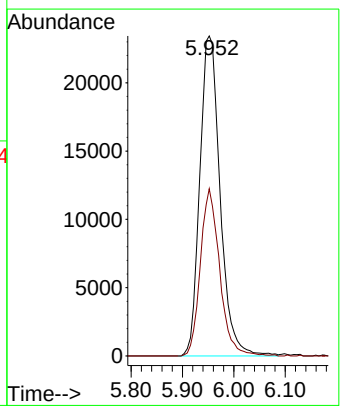


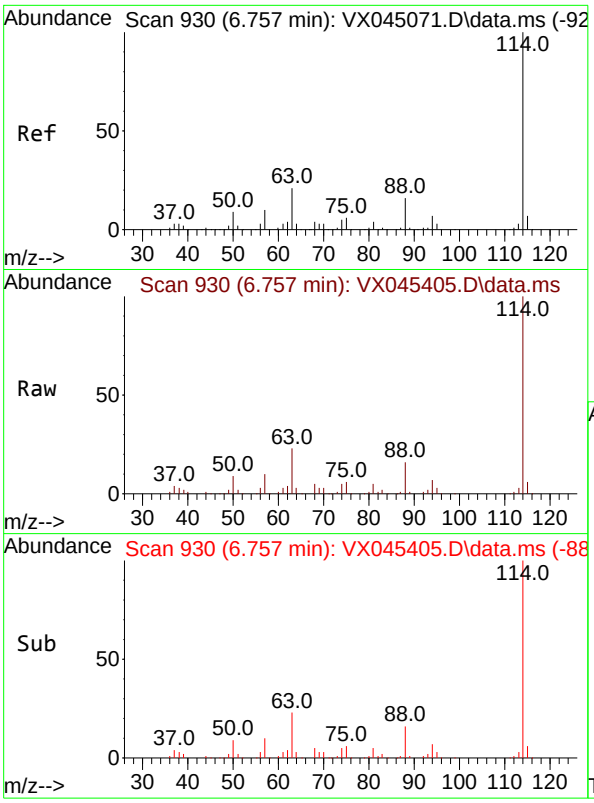


#33
1,2-Dichloroethane-d4
Concen: 57.958 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX045405.D
Acq: 24 Mar 2025 11:19

Tgt Ion: 65 Resp: 64463

Ion	Ratio	Lower	Upper
65	100		
67	49.6	0.0	106.2



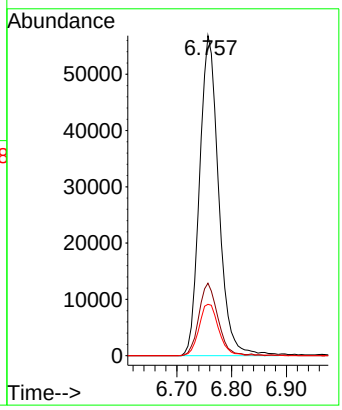


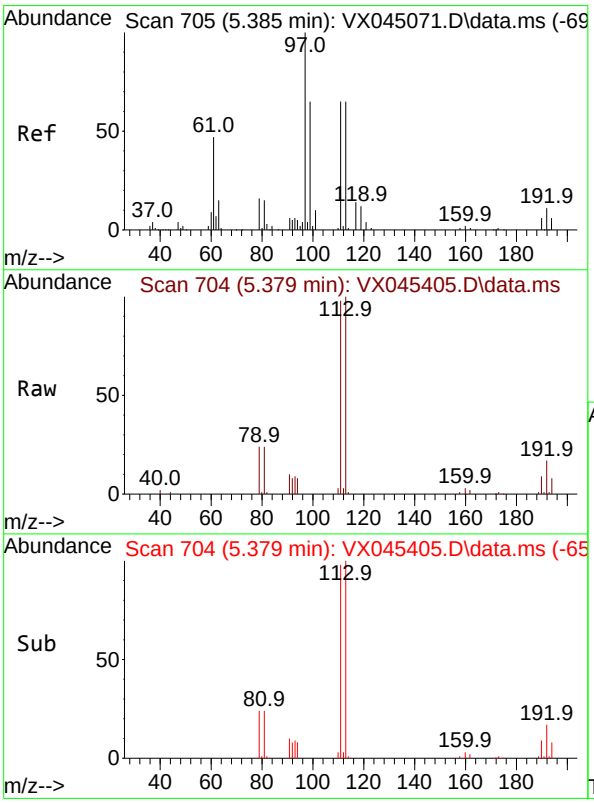
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX045405.D
Acq: 24 Mar 2025 11:19

Instrument :
MSVOA_X
ClientSampleId :
VX0324WBL01

Tgt Ion:114 Resp: 137486

Ion	Ratio	Lower	Upper
114	100		
63	22.6	0.0	41.8
88	16.1	0.0	32.8

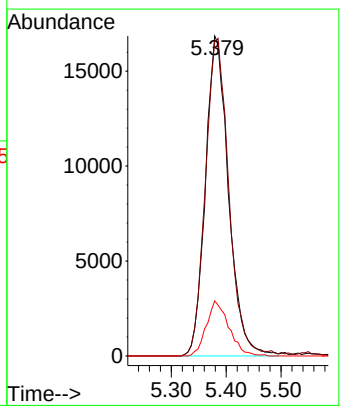


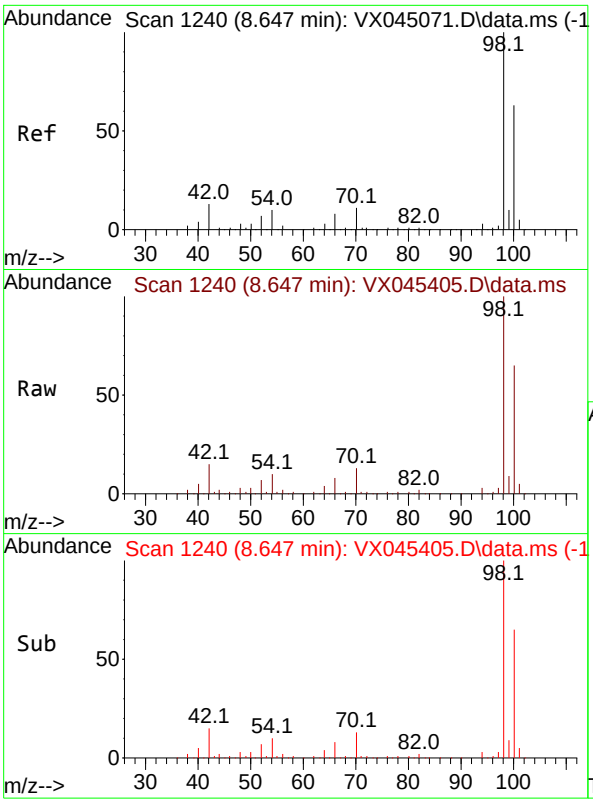


#35
Dibromofluoromethane
Concen: 53.619 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX045405.D
Acq: 24 Mar 2025 11:19

Tgt Ion:113 Resp: 49294

Ion	Ratio	Lower	Upper
113	100		
111	100.9	81.8	122.6
192	16.8	14.3	21.5



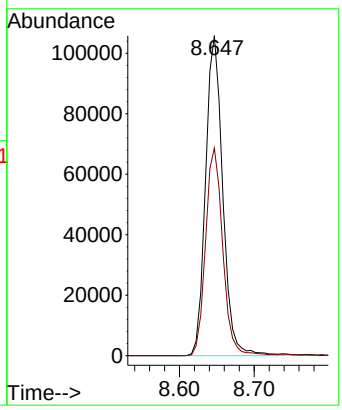


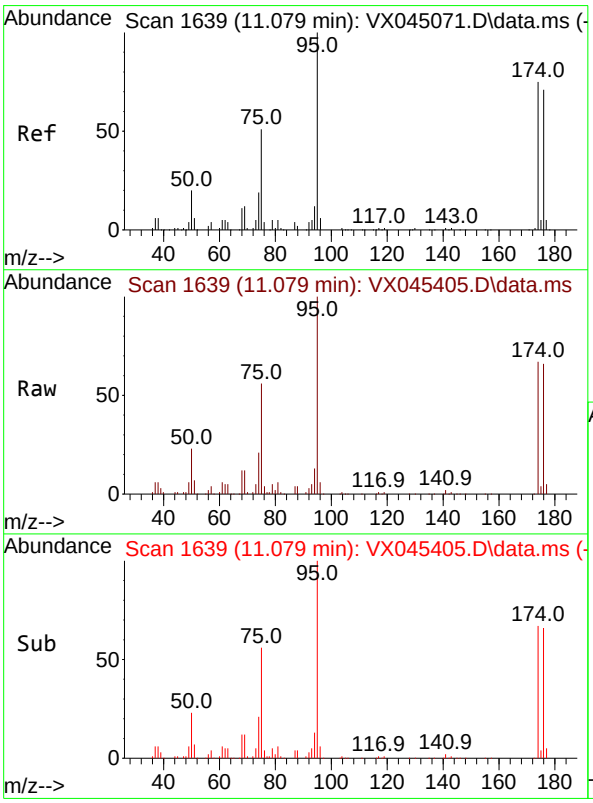
#50
Toluene-d8
Concen: 50.576 ug/l
RT: 8.647 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045405.D
Acq: 24 Mar 2025 11:19

Instrument :
MSVOA_X
ClientSampleId :
VX0324WBL01

Tgt Ion: 98 Resp: 168565

Ion	Ratio	Lower	Upper
98	100		
100	65.5	52.0	78.0

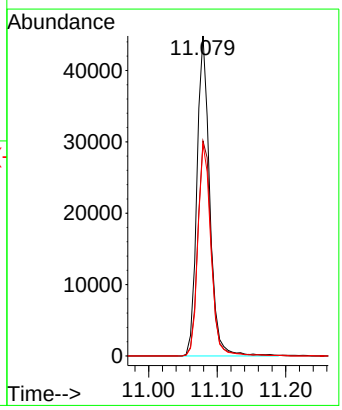


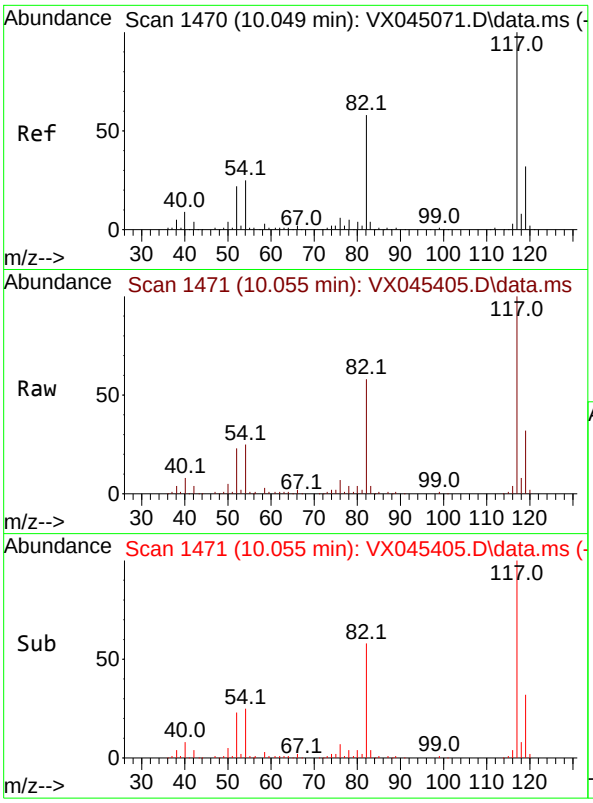


#62
4-Bromofluorobenzene
Concen: 52.604 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045405.D
Acq: 24 Mar 2025 11:19

Tgt Ion: 95 Resp: 58097

Ion	Ratio	Lower	Upper
95	100		
174	70.8	0.0	148.2
176	67.8	0.0	141.4



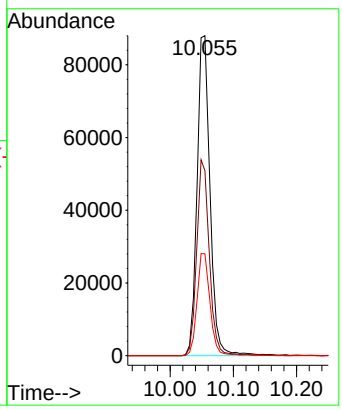


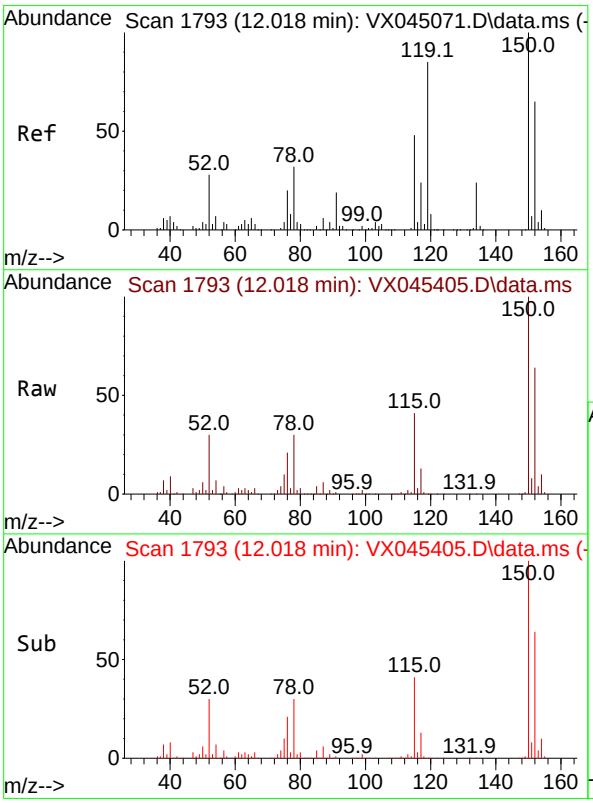
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX045405.D
Acq: 24 Mar 2025 11:19

Instrument :
MSVOA_X
ClientSampleId :
VX0324WBL01

Tgt Ion:117 Resp: 126117

Ion	Ratio	Lower	Upper
117	100		
82	57.8	46.3	69.5
119	31.9	25.7	38.5

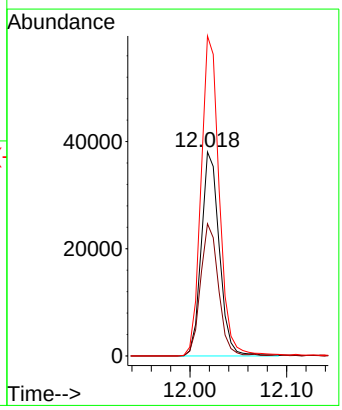




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045405.D
Acq: 24 Mar 2025 11:19

Tgt Ion:152 Resp: 49419

Ion	Ratio	Lower	Upper
152	100		
115	64.6	44.2	132.6
150	158.7	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:	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	
Client Sample ID:	VX0325WBL01	SDG No.:	Q1608
Lab Sample ID:	VX0325WBL01	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
VX045433.D	1		03/25/25 12:22	VX032525

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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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:	VX0325WBL01	SDG No.:	Q1608
Lab Sample ID:	VX0325WBL01	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
VX045433.D	1		03/25/25 12:22	VX032525

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	58.3		81 - 118		117%	SPK: 50
1868-53-7	Dibromofluoromethane	54.2		80 - 119		108%	SPK: 50
2037-26-5	Toluene-d8	51.0		89 - 112		102%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.8		85 - 114		110%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	71200	5.55				
540-36-3	1,4-Difluorobenzene	137000	6.757				
3114-55-4	Chlorobenzene-d5	124000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	50700	12.024				

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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:	VX0325WBL01	SDG No.:	Q1608
Lab Sample ID:	VX0325WBL01	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
VX045433.D	1		03/25/25 12:22	VX032525

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\VX032525\
Data File : VX045433.D
Acq On : 25 Mar 2025 12:22
Operator : JC/MD
Sample : VX0325WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0325WBL01

Quant Time: Mar 26 01:35:04 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

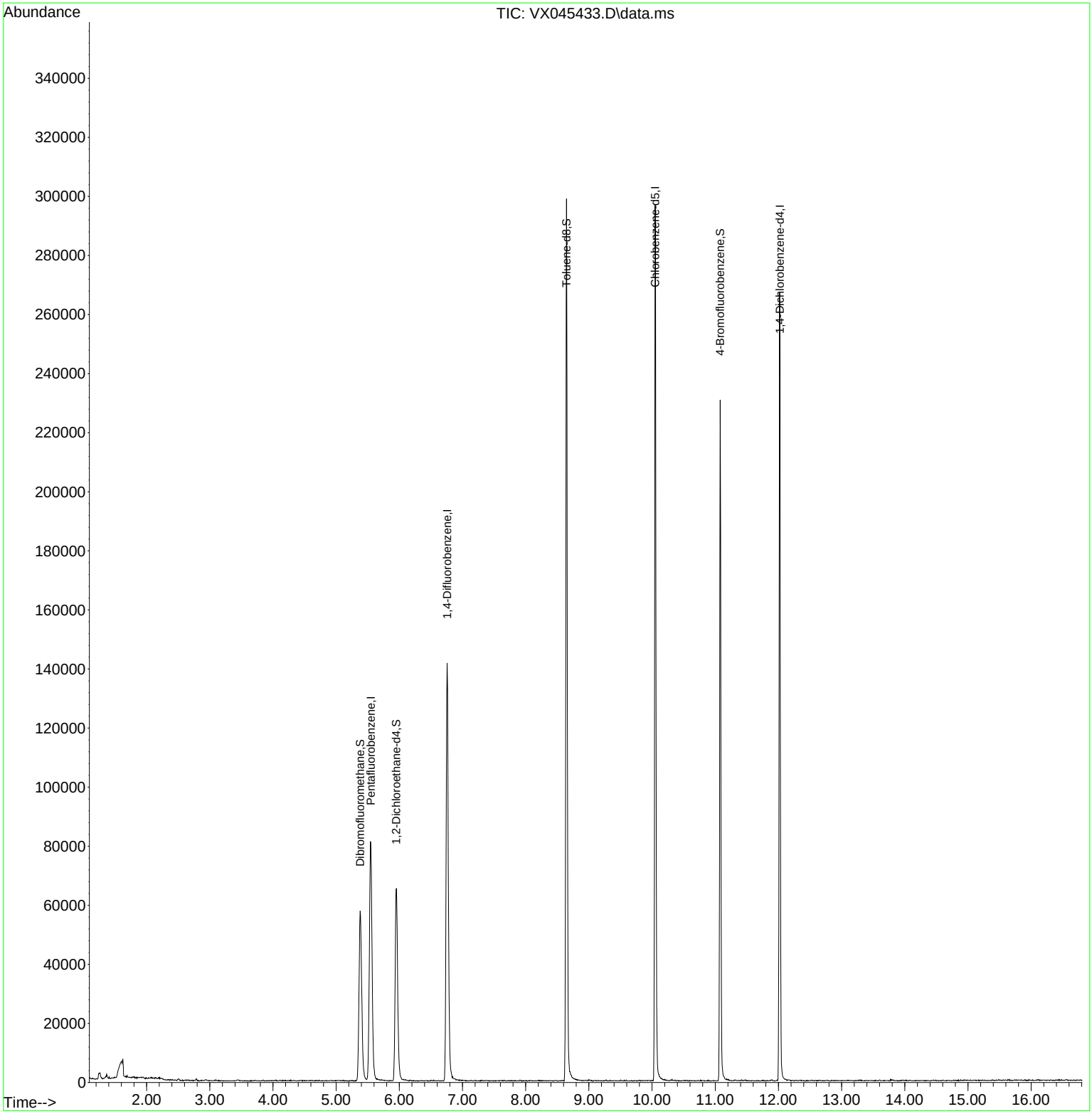
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	71237	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	137150	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	123936	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	50683	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	66044	58.285	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 116.560%			
35) Dibromofluoromethane	5.379	113	49737	54.234	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 108.460%			
50) Toluene-d8	8.647	98	169680	51.035	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.080%			
62) 4-Bromofluorobenzene	11.079	95	60335	54.764	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 109.520%			
Target Compounds						Qvalue

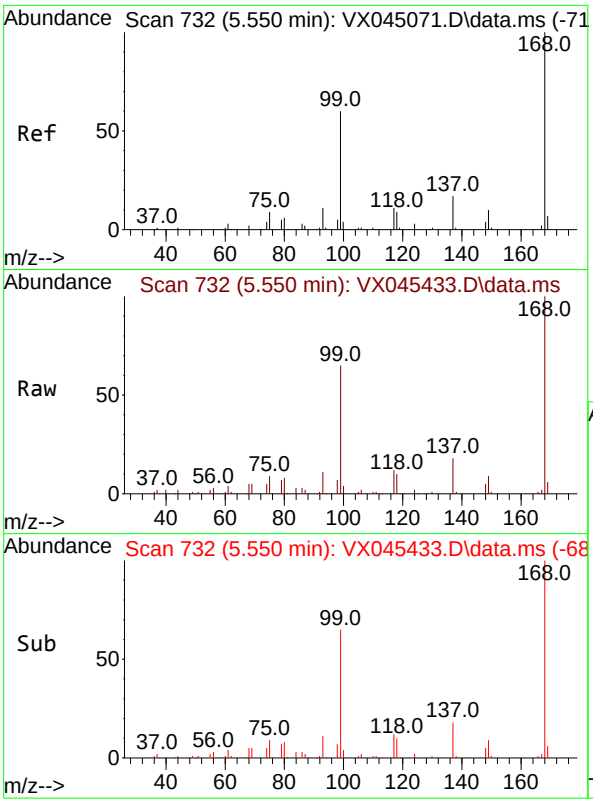
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032525\
Data File : VX045433.D
Acq On : 25 Mar 2025 12:22
Operator : JC/MD
Sample : VX0325WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0325WBL01

Quant Time: Mar 26 01:35:04 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



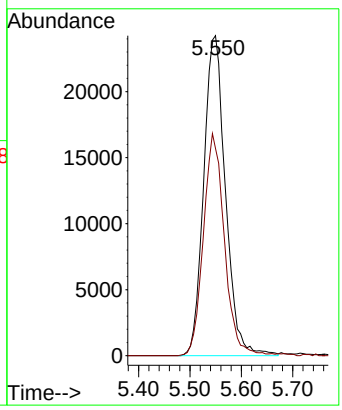


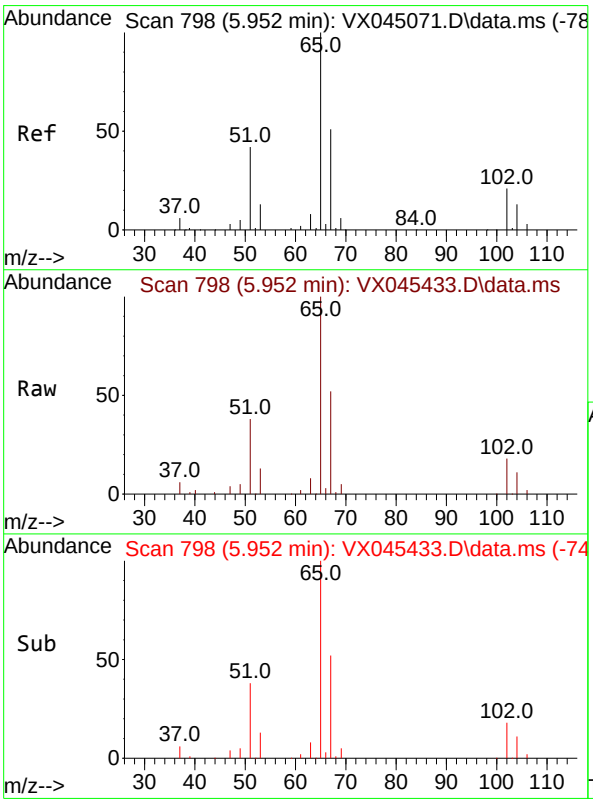
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045433.D
Acq: 25 Mar 2025 12:22

Instrument :
MSVOA_X
ClientSampleId :
VX0325WBL01

Tgt Ion:168 Resp: 71237

Ion	Ratio	Lower	Upper
168	100		
99	64.8	48.2	72.4

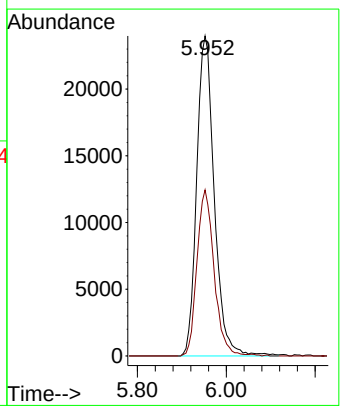


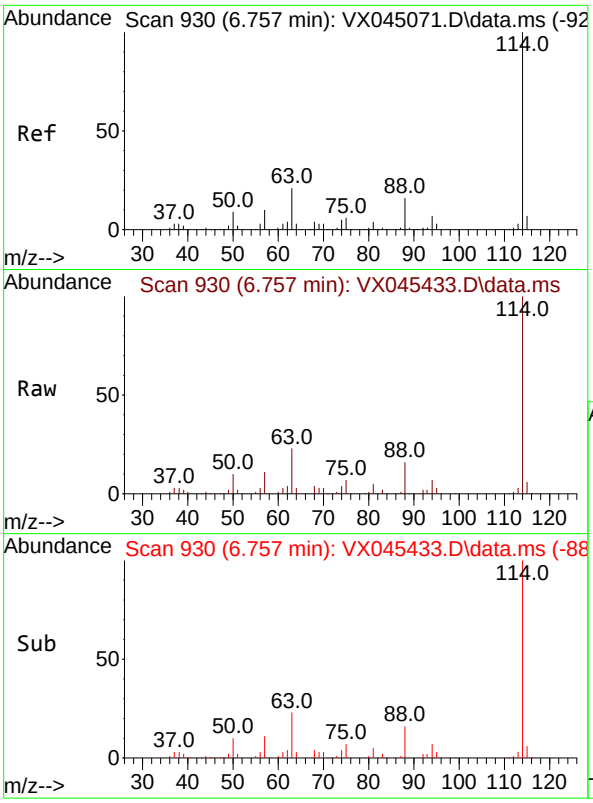


#33
1,2-Dichloroethane-d4
Concen: 58.285 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX045433.D
Acq: 25 Mar 2025 12:22

Tgt Ion: 65 Resp: 66044

Ion	Ratio	Lower	Upper
65	100		
67	50.5	0.0	106.2



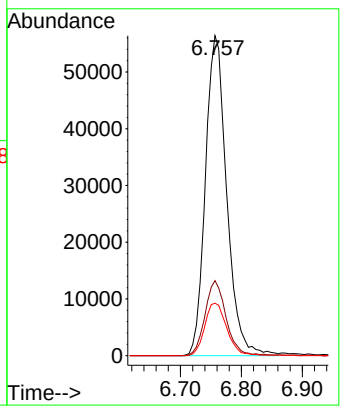


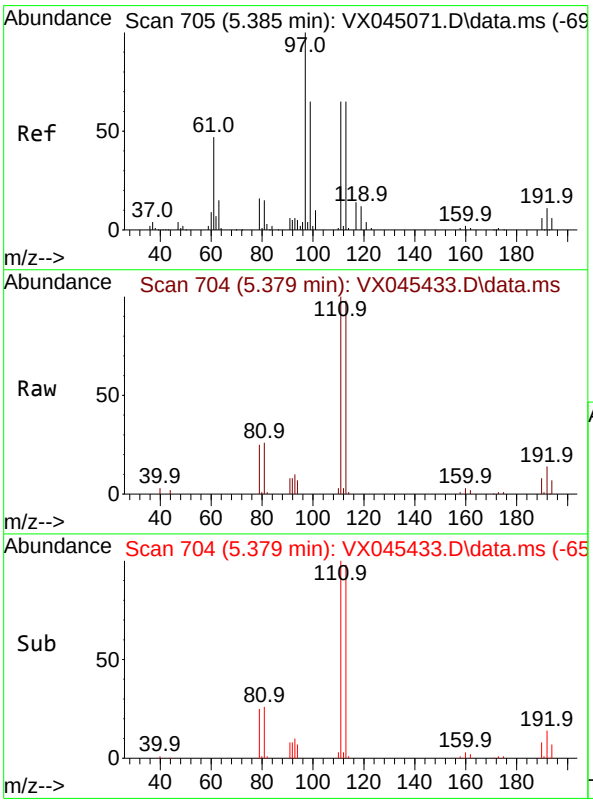
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX045433.D
Acq: 25 Mar 2025 12:22

Instrument :
MSVOA_X
ClientSampleId :
VX0325WBL01

Tgt Ion:114 Resp: 137150

Ion	Ratio	Lower	Upper
114	100		
63	23.4	0.0	41.8
88	16.4	0.0	32.8

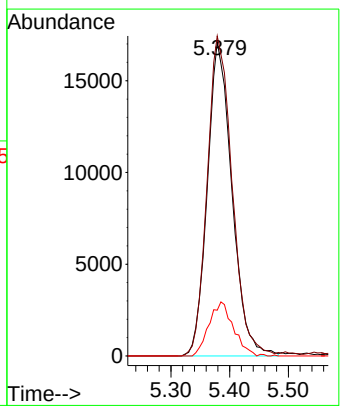


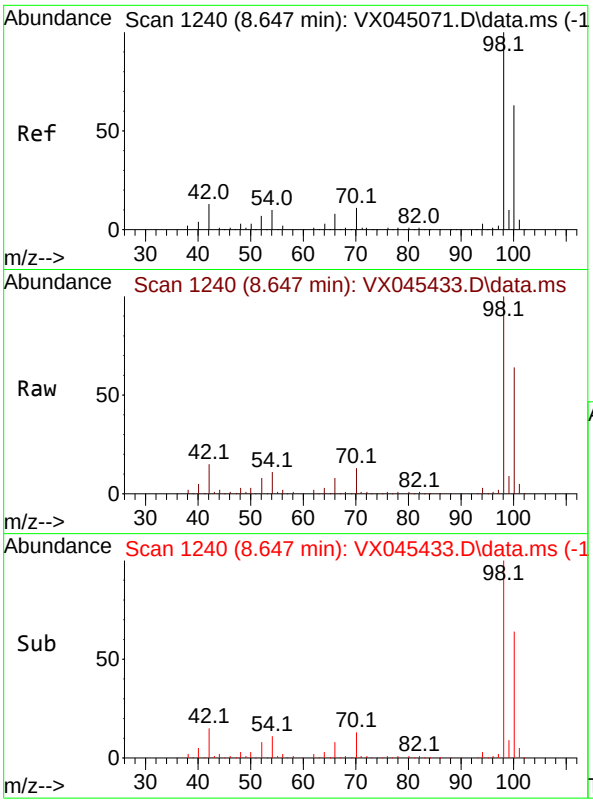


#35
Dibromofluoromethane
Concen: 54.234 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX045433.D
Acq: 25 Mar 2025 12:22

Tgt Ion:113 Resp: 49737

Ion	Ratio	Lower	Upper
113	100		
111	103.7	81.8	122.6
192	17.2	14.3	21.5



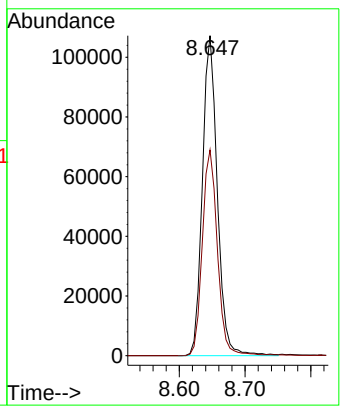


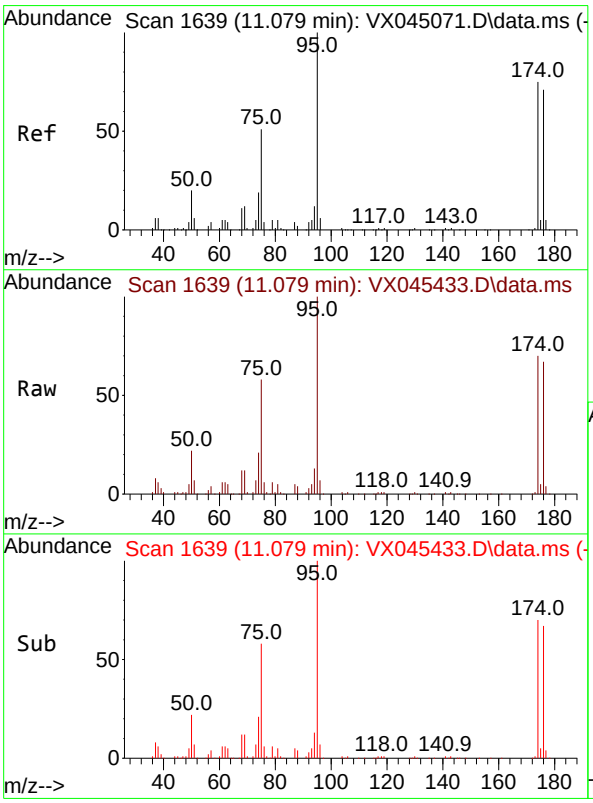
#50
Toluene-d8
Concen: 51.035 ug/l
RT: 8.647 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045433.D
Acq: 25 Mar 2025 12:22

Instrument :
MSVOA_X
ClientSampleId :
VX0325WBL01

Tgt Ion: 98 Resp: 169680

Ion	Ratio	Lower	Upper
98	100		
100	65.2	52.0	78.0

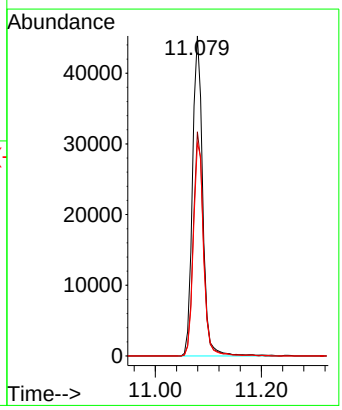


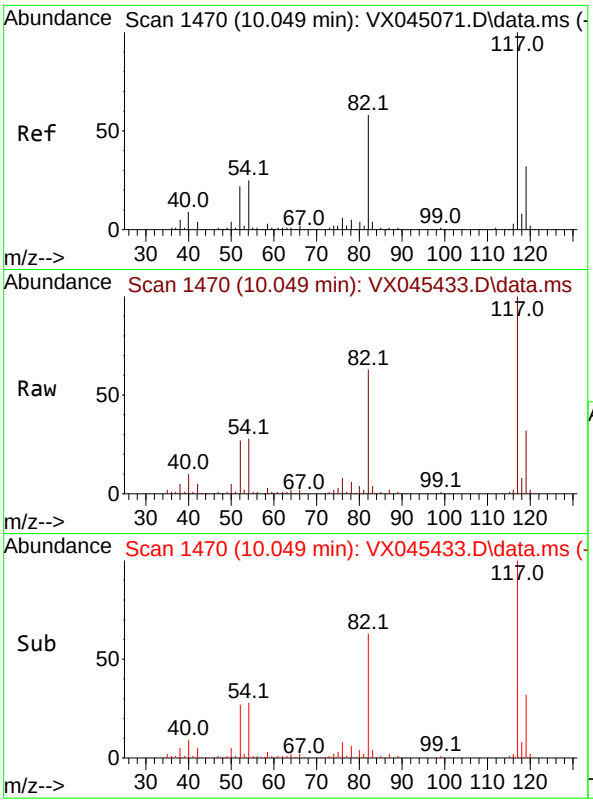


#62
4-Bromofluorobenzene
Concen: 54.764 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045433.D
Acq: 25 Mar 2025 12:22

Tgt Ion: 95 Resp: 60335

Ion	Ratio	Lower	Upper
95	100		
174	69.3	0.0	148.2
176	66.4	0.0	141.4



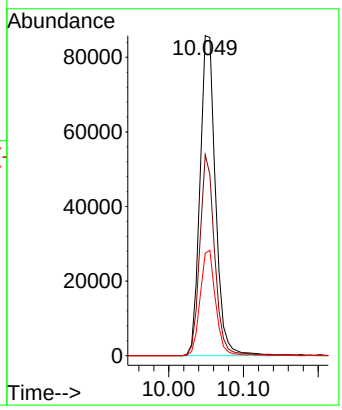


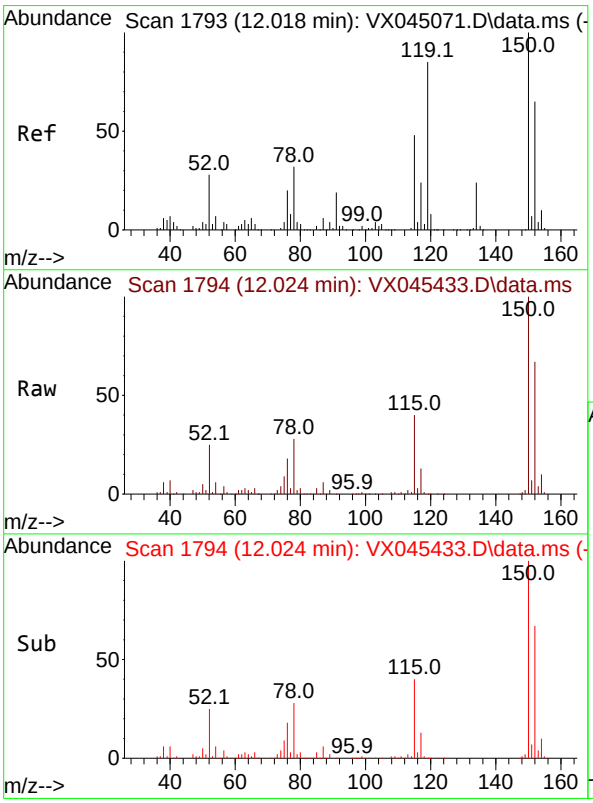
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045433.D
Acq: 25 Mar 2025 12:22

Instrument :
MSVOA_X
ClientSampleId :
VX0325WBL01

Tgt Ion:117 Resp: 123936

Ion	Ratio	Lower	Upper
117	100		
82	62.8	46.3	69.5
119	32.0	25.7	38.5

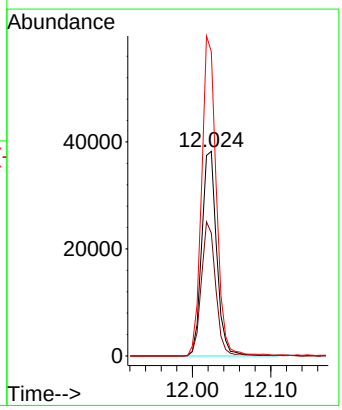




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VX045433.D
Acq: 25 Mar 2025 12:22

Tgt Ion:152 Resp: 50683

Ion	Ratio	Lower	Upper
152	100		
115	62.9	44.2	132.6
150	153.8	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:	VX0321WBS01	SDG No.:	Q1608
Lab Sample ID:	VX0321WBS01	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
VX045378.D	1		03/21/25 11:15	VX032125

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	15.3		0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	15.4		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	19.3		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	20.6		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	18.1		0.23	0.75	1.00	ug/L
67-64-1	Acetone	99.7		1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	13.9		0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	19.2		0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	26.0		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	18.3		0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	19.4		0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	18.3		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	20.1		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	19.4		0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	17.2		0.22	0.50	1.00	ug/L
67-66-3	Chloroform	20.2		0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	20.3		0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	19.1		0.16	0.50	1.00	ug/L
71-43-2	Benzene	19.2		0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	21.6		0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	18.7		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	20.7		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	19.8		0.14	0.50	1.00	ug/L

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:	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	
Client Sample ID:	VX0321WBS01	SDG No.:	Q1608
Lab Sample ID:	VX0321WBS01	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
VX045378.D	1		03/21/25 11:15	VX032125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	20.1		0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	20.1		0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	20.4		0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	110		0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	21.0		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	19.7		0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	19.5		0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	19.9		0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	40.0		0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	19.8		0.12	0.50	1.00	ug/L
100-42-5	Styrene	20.2		0.15	0.50	1.00	ug/L
75-25-2	Bromoform	20.1		0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	20.4		0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	20.4		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	19.3		0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	19.6		0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	20.0		0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	18.4		0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	18.5		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	54.1		80 - 119		108%	SPK: 50
2037-26-5	Toluene-d8	51.2		89 - 112		102%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.7		85 - 114		109%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	96800	5.544				
540-36-3	1,4-Difluorobenzene	172000	6.757				
3114-55-4	Chlorobenzene-d5	152000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	67300	12.018				

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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:	VX0321WBS01	SDG No.:	Q1608
Lab Sample ID:	VX0321WBS01	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
VX045378.D	1		03/21/25 11:15	VX032125

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\VX032125\
Data File : VX045378.D
Acq On : 21 Mar 2025 11:15
Operator : JC/MD
Sample : VX0321WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 21 23:11:04 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 :
VX0321WBS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	96755	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	172413	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	151575	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	67294	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	84283	54.764	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 109.520%			
35) Dibromofluoromethane	5.379	113	62362	54.092	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 108.180%			
50) Toluene-d8	8.647	98	214191	51.247	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.500%			
62) 4-Bromofluorobenzene	11.079	95	75709	54.664	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 109.320%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	21480	17.637	ug/l	98
3) Chloromethane	1.307	50	22820	15.311	ug/l	97
4) Vinyl Chloride	1.374	62	22773	15.402	ug/l	97
5) Bromomethane	1.593	94	10588	18.216	ug/l	97
6) Chloroethane	1.666	64	13149	19.280	ug/l	90
7) Trichlorofluoromethane	1.874	101	35122	17.944	ug/l	99
8) Diethyl Ether	2.136	74	12753	16.658	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.319	101	23148	20.585	ug/l	99
10) Methyl Iodide	2.447	142	25952	18.467	ug/l	95
11) Tert butyl alcohol	2.977	59	23822	81.717	ug/l	99
12) 1,1-Dichloroethene	2.313	96	21513	18.095	ug/l	98
13) Acrolein	2.233	56	21483	63.751	ug/l	99
14) Allyl chloride	2.660	41	41510	19.614	ug/l	95
15) Acrylonitrile	3.062	53	77525	99.226	ug/l	99
16) Acetone	2.386	43	71194	99.703	ug/l	96
17) Carbon Disulfide	2.502	76	44077	13.919	ug/l	97
18) Methyl Acetate	2.703	43	44730	26.039	ug/l	100
19) Methyl tert-butyl Ether	3.117	73	76764	19.245	ug/l	99
20) Methylene Chloride	2.782	84	26573	18.787	ug/l	98
21) trans-1,2-Dichloroethene	3.087	96	21498	18.303	ug/l	91
22) Diisopropyl ether	3.763	45	82977	19.279	ug/l	93
23) Vinyl Acetate	3.721	43	341214	94.998	ug/l	97
24) 1,1-Dichloroethane	3.605	63	46682	19.353	ug/l	99
25) 2-Butanone	4.556	43	110748	103.037	ug/l	97
26) 2,2-Dichloropropane	4.471	77	31567	27.900	ug/l	95
27) cis-1,2-Dichloroethene	4.483	96	28067	19.357	ug/l	95
28) Bromochloromethane	4.897	49	19780	17.204	ug/l	97
29) Tetrahydrofuran	5.007	42	69505	96.293	ug/l	99
30) Chloroform	5.086	83	48407	20.197	ug/l	99
31) Cyclohexane	5.458	56	38272	18.278	ug/l	95
32) 1,1,1-Trichloroethane	5.379	97	39203	20.252	ug/l	97
36) 1,1-Dichloropropene	5.690	75	30230	19.120	ug/l	99
37) Ethyl Acetate	4.715	43	40284	19.773	ug/l	98
38) Carbon Tetrachloride	5.672	117	32250	20.091	ug/l	98
39) Methylcyclohexane	7.379	83	36277	19.149	ug/l	99
40) Benzene	6.031	78	95825	19.193	ug/l	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032125\
Data File : VX045378.D
Acq On : 21 Mar 2025 11:15
Operator : JC/MD
Sample : VX0321WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 21 23:11:04 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 :
VX0321WBS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.922	41	23213	21.072	ug/l		99
42) 1,2-Dichloroethane	6.086	62	38881	21.626	ug/l		97
43) Isopropyl Acetate	6.342	43	59503	19.752	ug/l		98
44) Trichloroethene	7.123	130	21906	18.686	ug/l		100
45) 1,2-Dichloropropane	7.434	63	24666	19.215	ug/l		96
46) Dibromomethane	7.580	93	18645	20.550	ug/l		97
47) Bromodichloromethane	7.818	83	36796	20.676	ug/l		97
48) Methyl methacrylate	7.690	41	31076	20.561	ug/l		93
49) 1,4-Dioxane	7.659	88	11706	367.178	ug/l		98
51) 4-Methyl-2-Pentanone	8.574	43	217755	107.651	ug/l		98
52) Toluene	8.714	92	58017	19.806	ug/l		98
53) t-1,3-Dichloropropene	8.976	75	29944	20.126	ug/l		98
54) cis-1,3-Dichloropropene	8.366	75	34903	20.118	ug/l		91
55) 1,1,2-Trichloroethane	9.153	97	24624	20.419	ug/l		96
56) Ethyl methacrylate	9.116	69	36468	19.895	ug/l		92
57) 1,3-Dichloropropane	9.305	76	41844	20.051	ug/l		98
58) 2-Chloroethyl Vinyl ether	8.238	63	82742	92.534	ug/l		99
59) 2-Hexanone	9.427	43	156185	106.568	ug/l		98
60) Dibromochloromethane	9.519	129	26419	20.953	ug/l		100
61) 1,2-Dibromoethane	9.610	107	24108	20.026	ug/l		98
64) Tetrachloroethene	9.275	164	19136	19.712	ug/l		95
65) Chlorobenzene	10.079	112	62607	19.520	ug/l		98
66) 1,1,1,2-Tetrachloroethane	10.159	131	20934	19.599	ug/l		99
67) Ethyl Benzene	10.189	91	111231	19.903	ug/l		99
68) m/p-Xylenes	10.299	106	81773	39.971	ug/l		96
69) o-Xylene	10.640	106	40780	19.764	ug/l		97
70) Styrene	10.652	104	67582	20.243	ug/l		98
71) Bromoform	10.799	173	16152	20.054	ug/l	#	98
73) Isopropylbenzene	10.957	105	106888	20.350	ug/l		99
74) N-amyl acetate	10.841	43	48367	19.624	ug/l		98
75) 1,1,2,2-Tetrachloroethane	11.207	83	39325	20.402	ug/l		100
76) 1,2,3-Trichloropropane	11.238	75	31150m	19.888	ug/l		
77) Bromobenzene	11.195	156	24014	19.377	ug/l		96
78) n-propylbenzene	11.299	91	122726	20.684	ug/l		97
79) 2-Chlorotoluene	11.360	91	75398	19.953	ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	88815	20.912	ug/l		98
81) trans-1,4-Dichloro-2-b...	11.018	75	8915	19.479	ug/l		85
82) 4-Chlorotoluene	11.451	91	83886	20.369	ug/l		100
83) tert-Butylbenzene	11.713	119	88650	20.315	ug/l		97
84) 1,2,4-Trimethylbenzene	11.750	105	88039	20.602	ug/l		97
85) sec-Butylbenzene	11.890	105	111484	21.328	ug/l		99
86) p-Isopropyltoluene	12.006	119	87777	20.779	ug/l		98
87) 1,3-Dichlorobenzene	11.969	146	42267	19.118	ug/l		99
88) 1,4-Dichlorobenzene	12.042	146	43137	19.286	ug/l		98
89) n-Butylbenzene	12.329	91	75986	20.885	ug/l		99
90) Hexachloroethane	12.536	117	15167	19.850	ug/l		97
91) 1,2-Dichlorobenzene	12.335	146	43534	19.630	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	7492	19.952	ug/l		91
93) 1,2,4-Trichlorobenzene	13.585	180	23239	18.403	ug/l		98
94) Hexachlorobutadiene	13.725	225	10353	19.997	ug/l		98
95) Naphthalene	13.774	128	90512	18.655	ug/l		100
96) 1,2,3-Trichlorobenzene	13.963	180	24680	18.526	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032125\
Data File : VX045378.D
Acq On : 21 Mar 2025 11:15
Operator : JC/MD
Sample : VX0321WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 21 23:11:04 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 :
VX0321WBS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

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

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

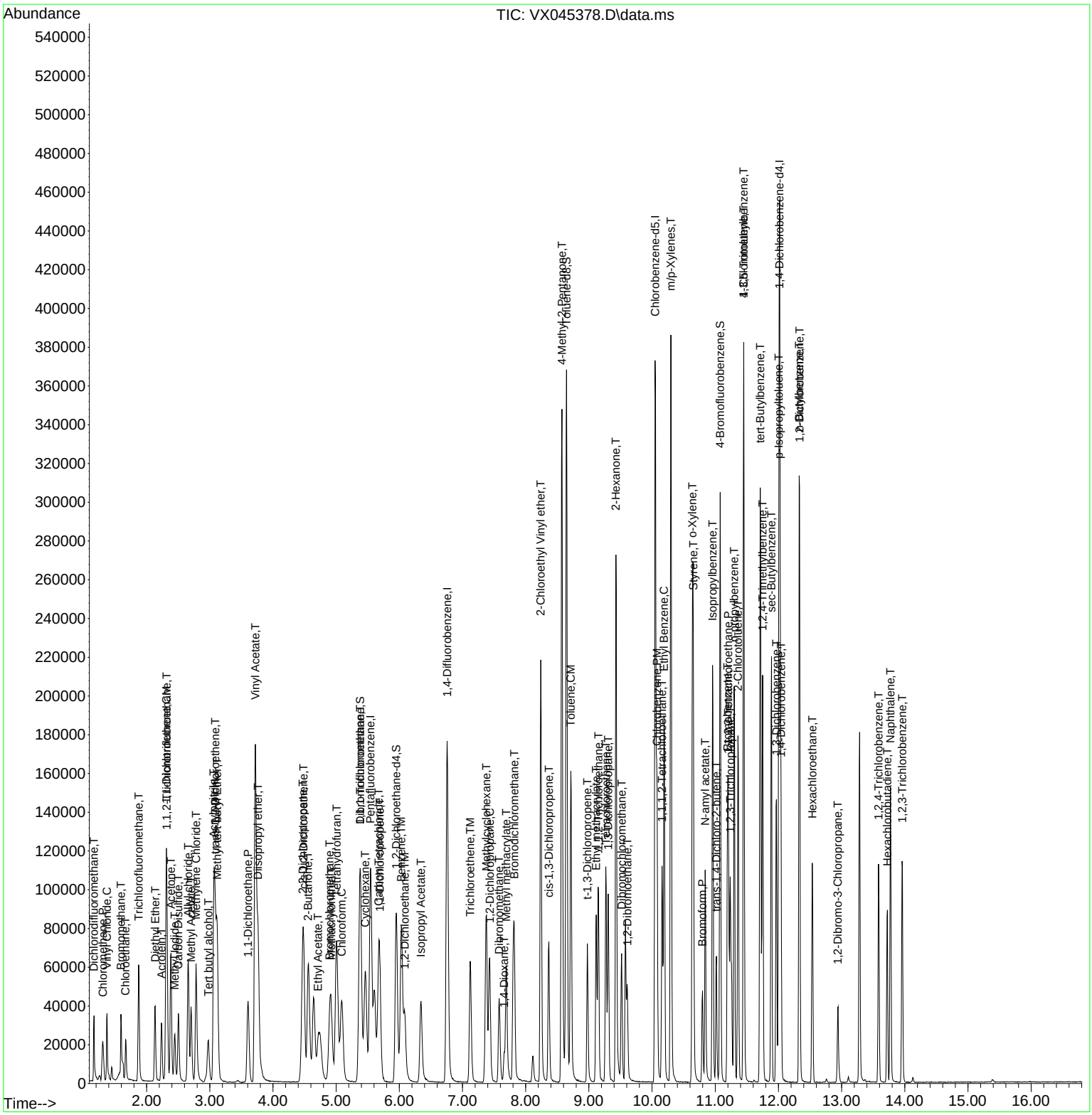
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032125\
Data File : VX045378.D
Acq On : 21 Mar 2025 11:15
Operator : JC/MD
Sample : VX0321WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

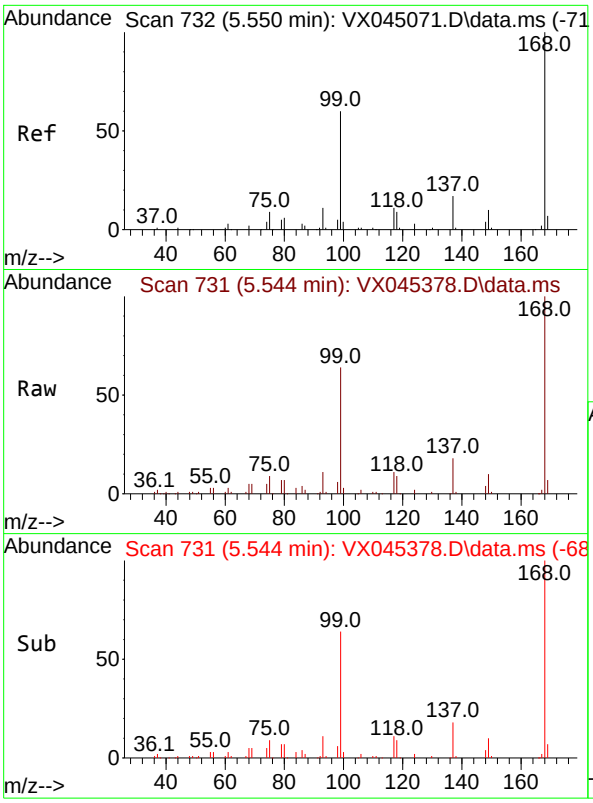
Quant Time: Mar 21 23:11:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

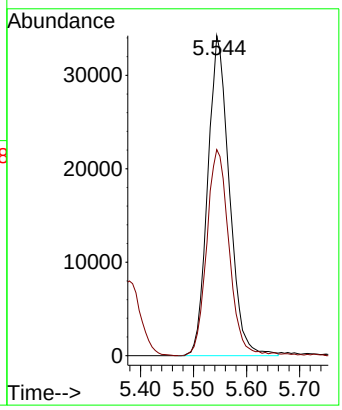




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion:168 Resp: 9675

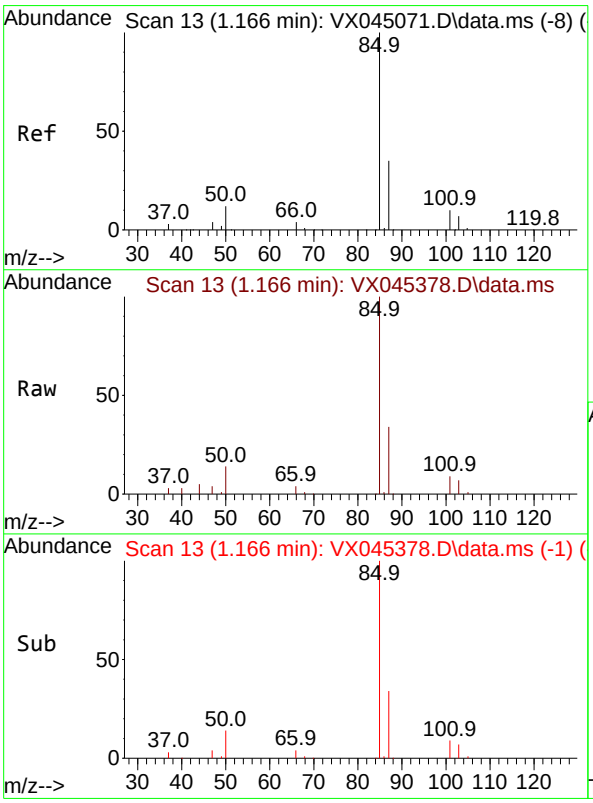
Ion	Ratio	Lower	Upper
168	100		
99	64.4	48.2	72.4



Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Manual Integrations
APPROVED

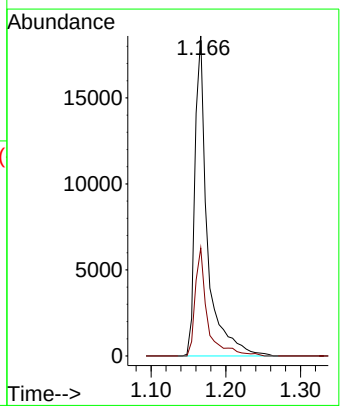
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

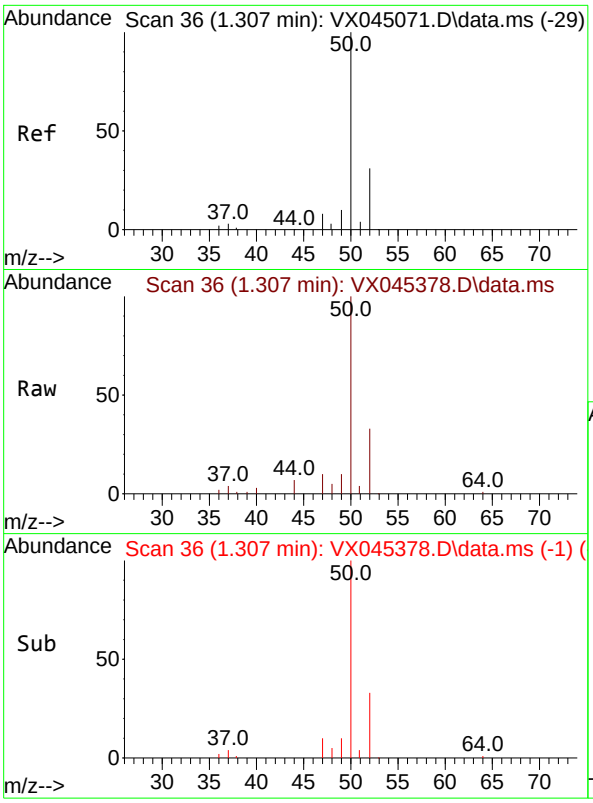


#2
Dichlorodifluoromethane
Concen: 17.637 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion: 85 Resp: 21480

Ion	Ratio	Lower	Upper
85	100		
87	33.7	17.4	52.3

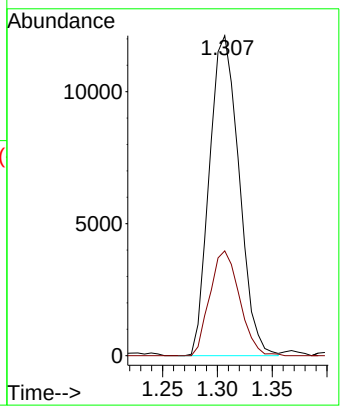




#3
Chloromethane
Concen: 15.311 ug/l
RT: 1.307 min Scan# 3(
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion: 50 Resp: 2282(

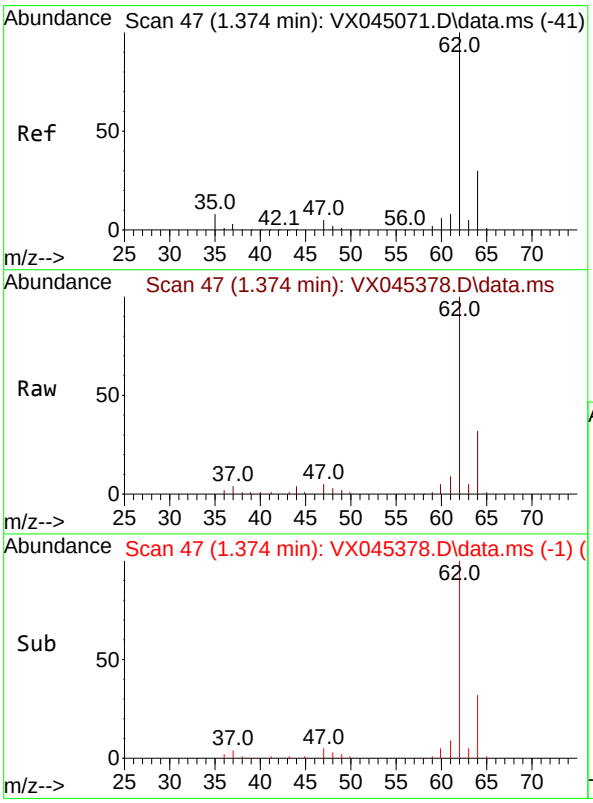
Ion	Ratio	Lower	Upper
50	100		
52	32.8	25.0	37.4



Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Manual Integrations
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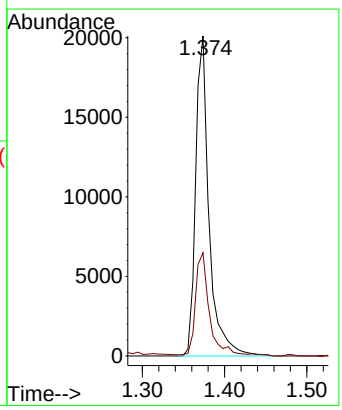
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

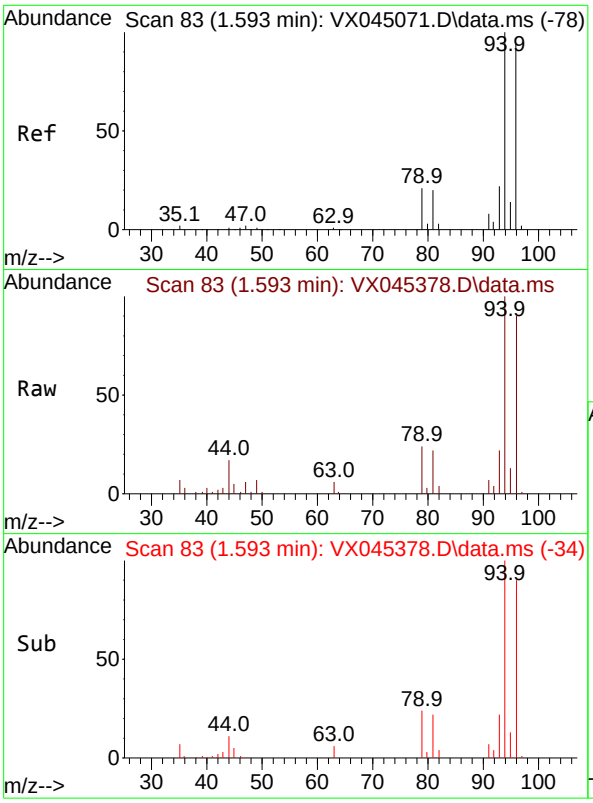


#4
Vinyl Chloride
Concen: 15.402 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion: 62 Resp: 22773

Ion	Ratio	Lower	Upper
62	100		
64	32.2	24.3	36.5

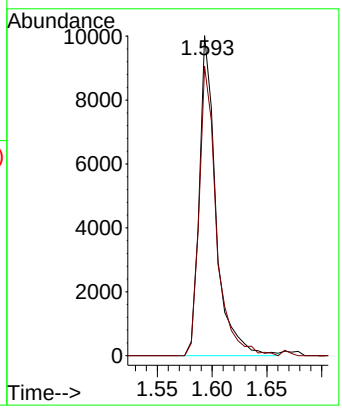




#5
Bromomethane
Concen: 18.216 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion: 94 Resp: 1058

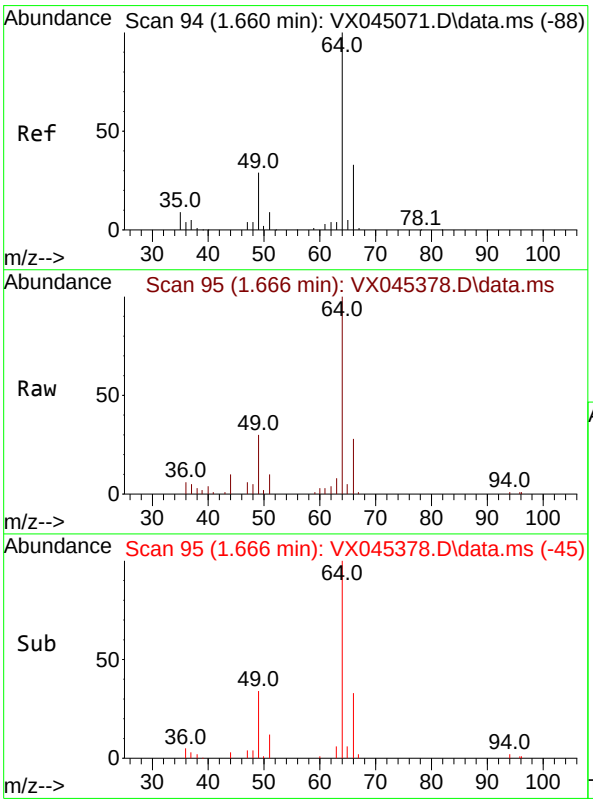
Ion	Ratio	Lower	Upper
94	100		
96	90.4	75.0	112.4



Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Manual Integrations
APPROVED

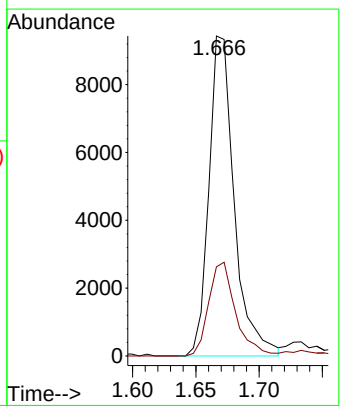
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

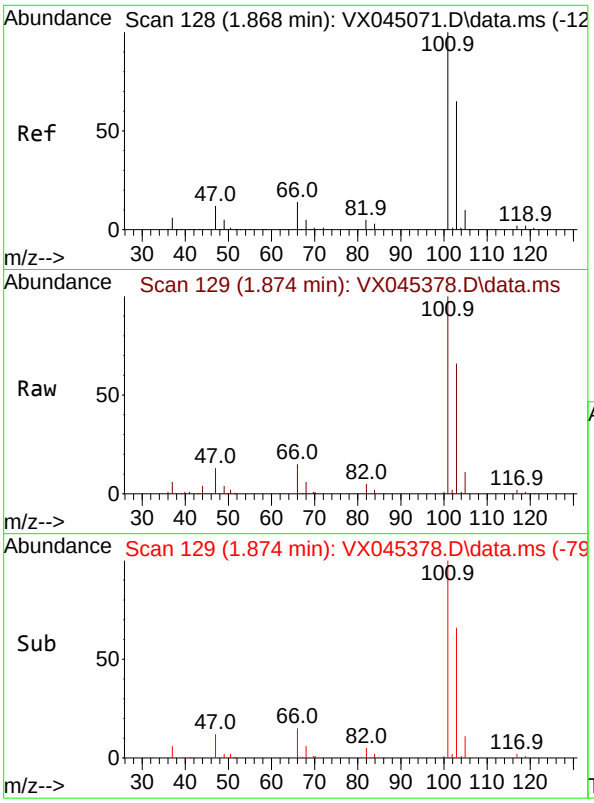


#6
Chloroethane
Concen: 19.280 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.006 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion: 64 Resp: 13149

Ion	Ratio	Lower	Upper
64	100		
66	27.9	26.7	40.1

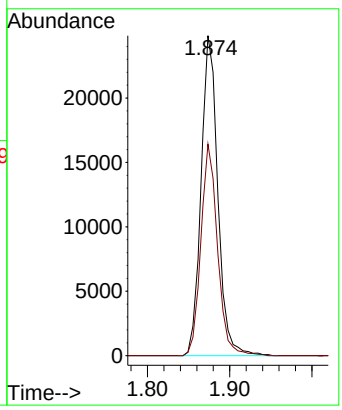




#7
Trichlorofluoromethane
Concen: 17.944 ug/l
RT: 1.874 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion:101 Resp: 3512

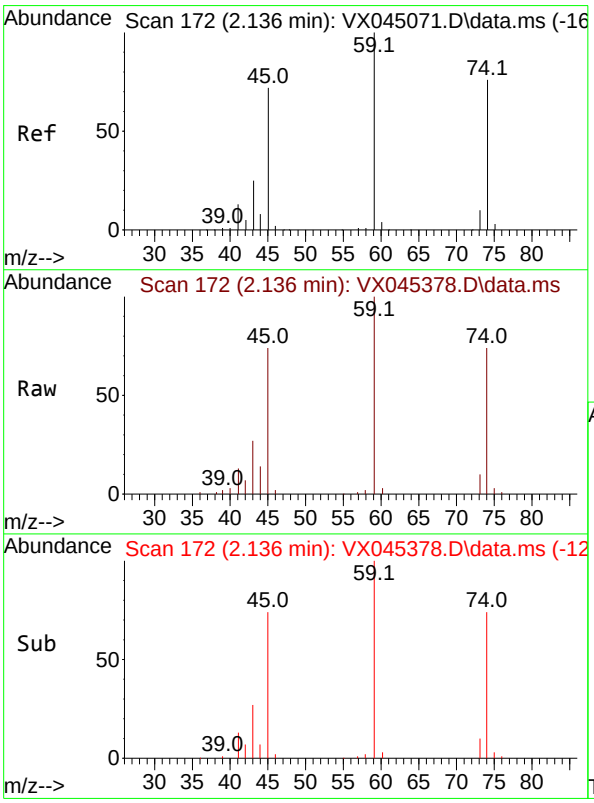
Ion	Ratio	Lower	Upper
101	100		
103	66.1	52.1	78.1



Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Manual Integrations APPROVED

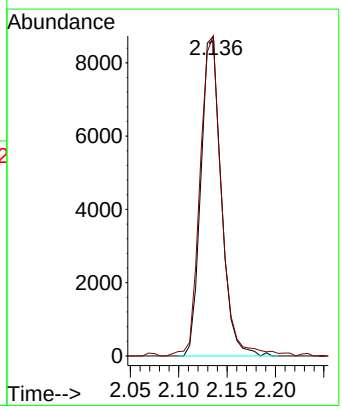
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

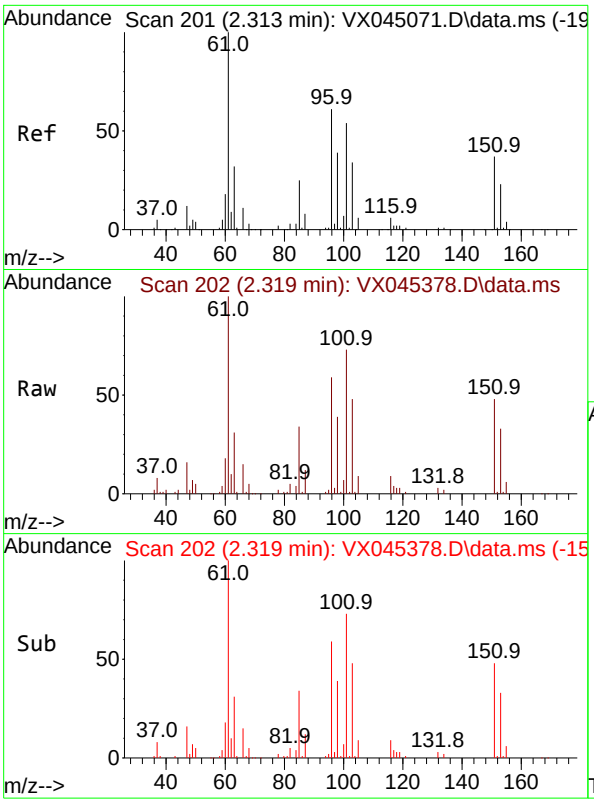


#8
Diethyl Ether
Concen: 16.658 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion: 74 Resp: 12753

Ion	Ratio	Lower	Upper
74	100		
45	105.9	51.5	154.5

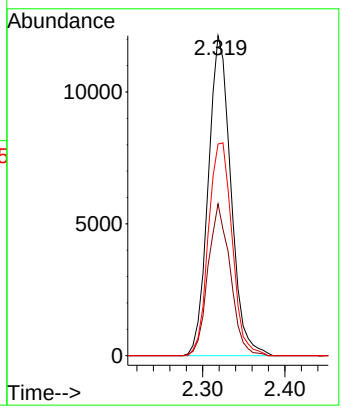




#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.585 ug/l
RT: 2.319 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion:101 Resp: 2314

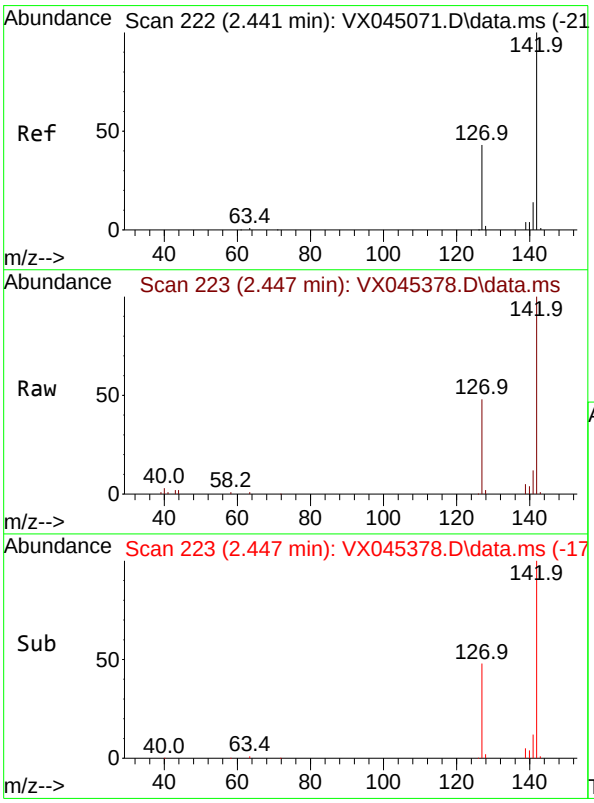
Ion	Ratio	Lower	Upper
101	100		
85	46.6	36.2	54.4
151	69.8	56.4	84.6



Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Manual Integrations
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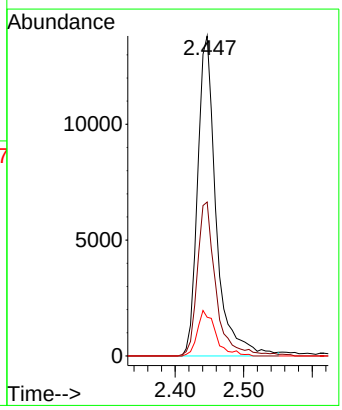
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

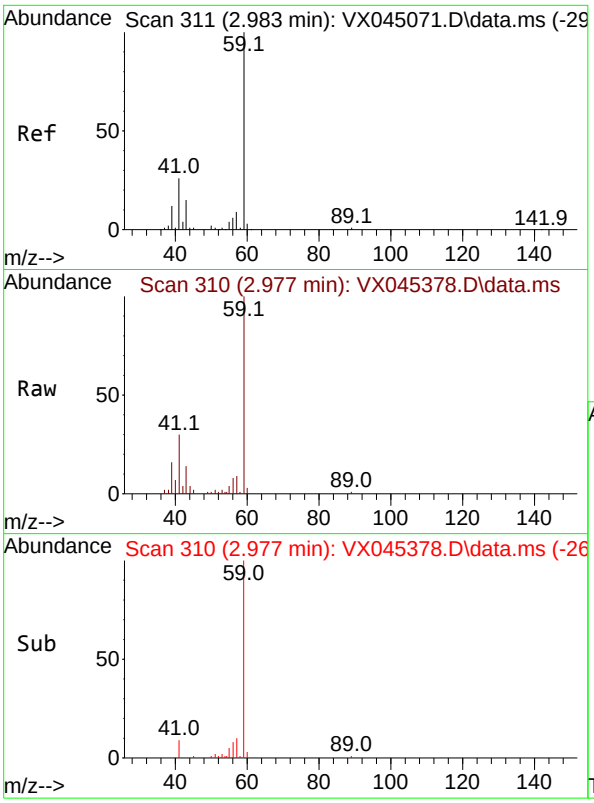


#10
Methyl Iodide
Concen: 18.467 ug/l
RT: 2.447 min Scan# 223
Delta R.T. 0.006 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion:142 Resp: 25952

Ion	Ratio	Lower	Upper
142	100		
127	48.5	35.4	53.2
141	14.2	11.6	17.4

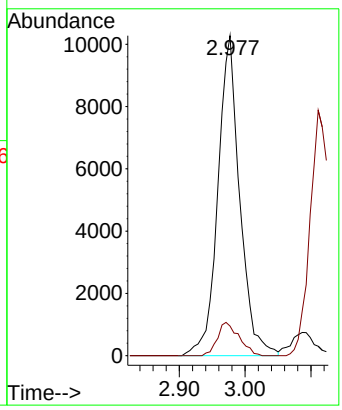




#11
Tert butyl alcohol
Concen: 81.717 ug/l
RT: 2.977 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion: 59 Resp: 2382

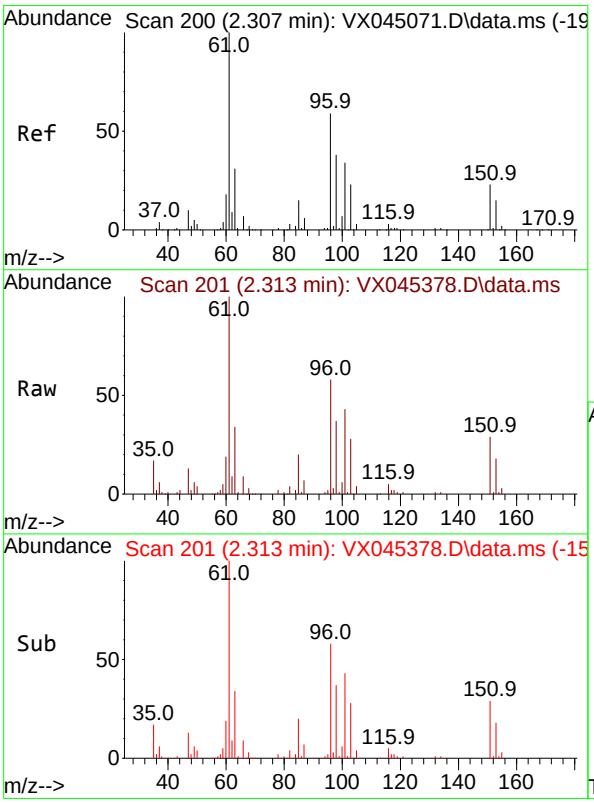
Ion	Ratio	Lower	Upper
59	100		
57	10.3	7.8	11.8



Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Manual Integrations
APPROVED

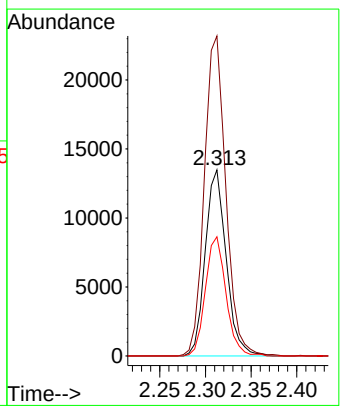
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

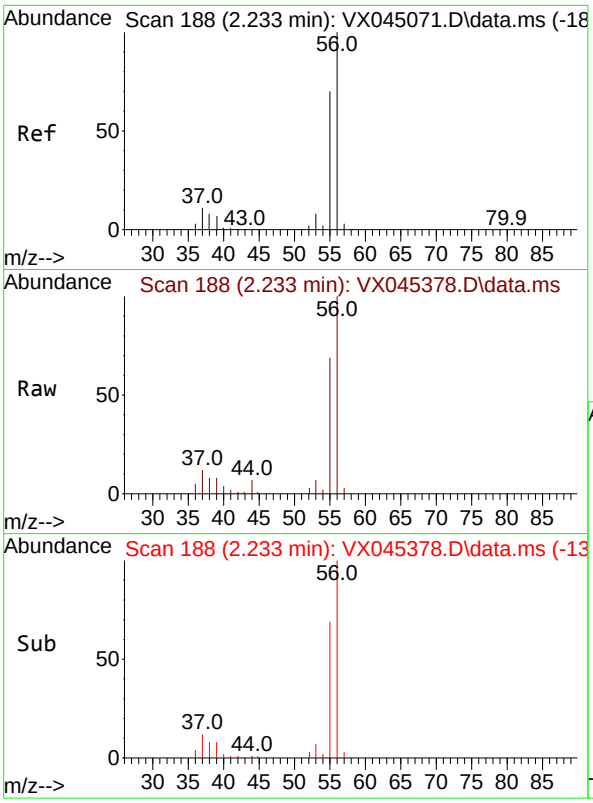


#12
1,1-Dichloroethene
Concen: 18.095 ug/l
RT: 2.313 min Scan# 201
Delta R.T. 0.006 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion: 96 Resp: 21513

Ion	Ratio	Lower	Upper
96	100		
61	171.9	134.6	202.0
98	64.1	51.0	76.6

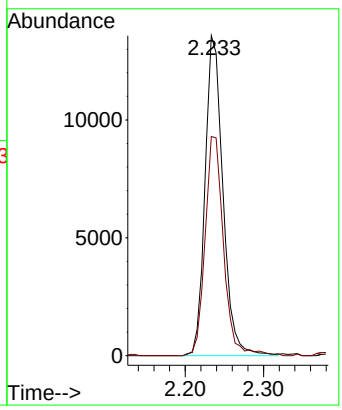




#13
Acrolein
Concen: 63.751 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion: 56 Resp: 2148

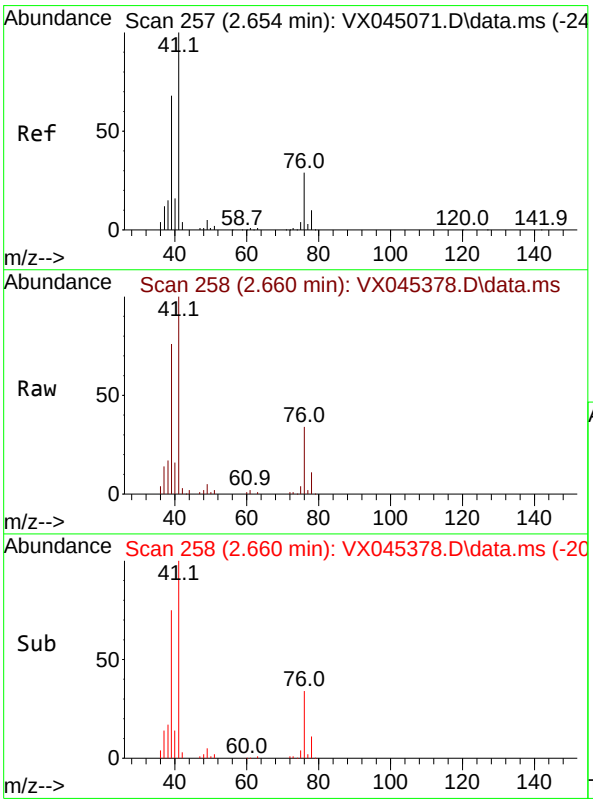
Ion	Ratio	Lower	Upper
56	100		
55	70.9	56.2	84.4



Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Manual Integrations
APPROVED

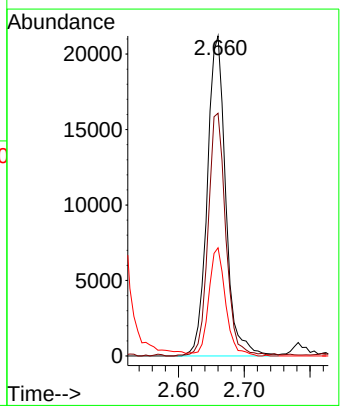
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

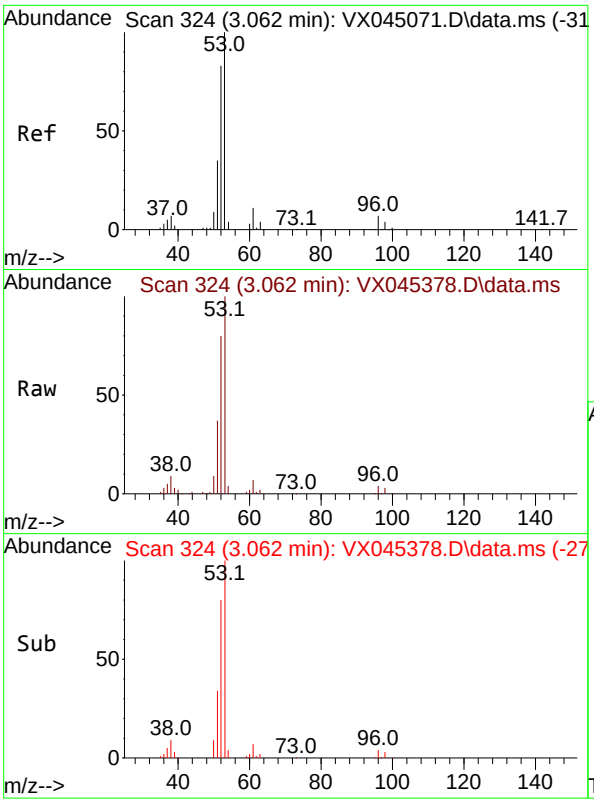


#14
Allyl chloride
Concen: 19.614 ug/l
RT: 2.660 min Scan# 258
Delta R.T. 0.006 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion: 41 Resp: 41510

Ion	Ratio	Lower	Upper
41	100		
39	72.3	53.8	80.8
76	30.6	25.2	37.8





#15
Acrylonitrile
Concen: 99.226 ug/l
RT: 3.062 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

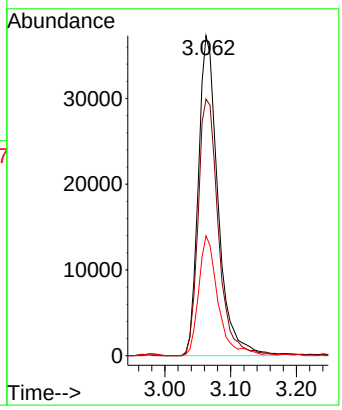
Tgt Ion: 53 Resp: 7752

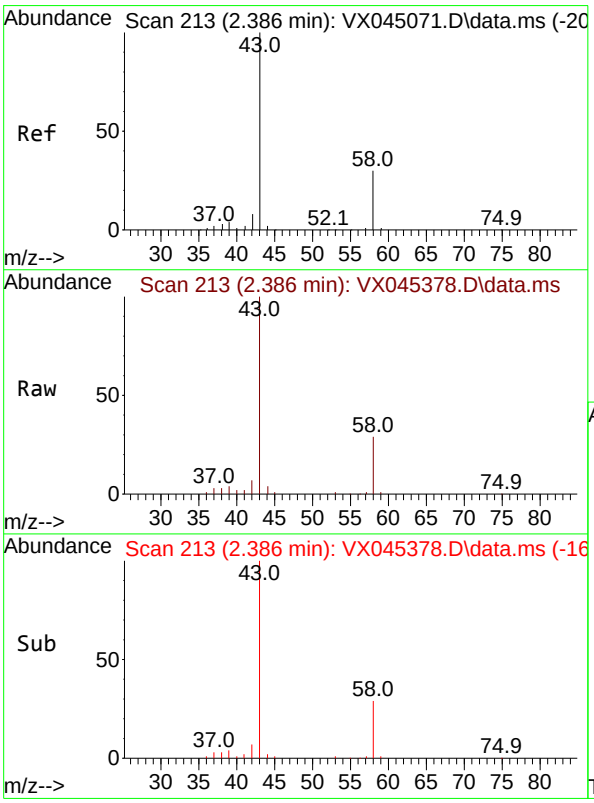
Ion	Ratio	Lower	Upper
53	100		
52	82.5	66.2	99.2
51	37.0	29.0	43.4

Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

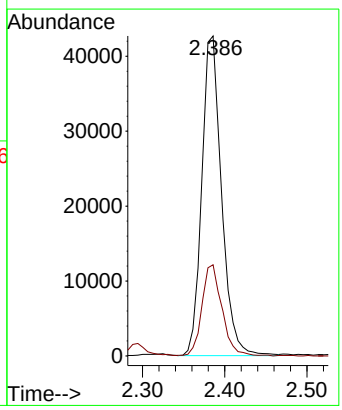


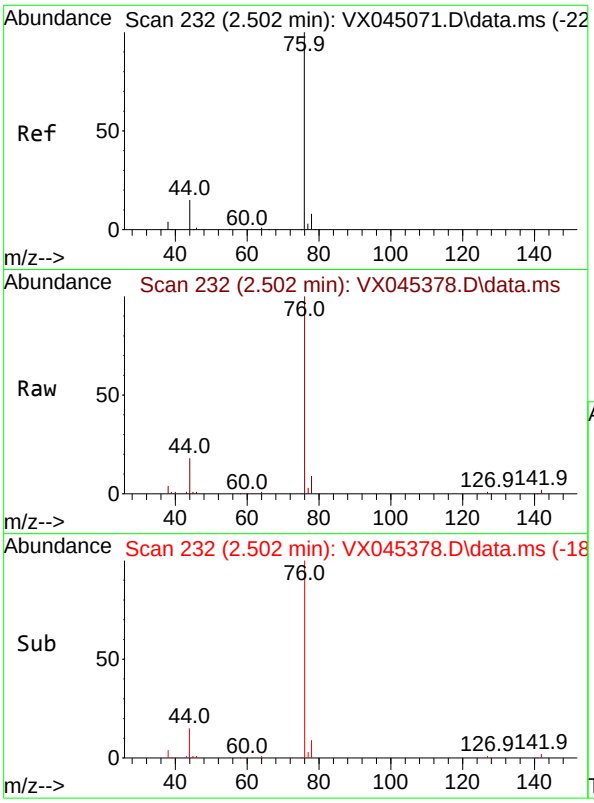


#16
Acetone
Concen: 99.703 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion: 43 Resp: 71194

Ion	Ratio	Lower	Upper
43	100		
58	28.4	24.2	36.4

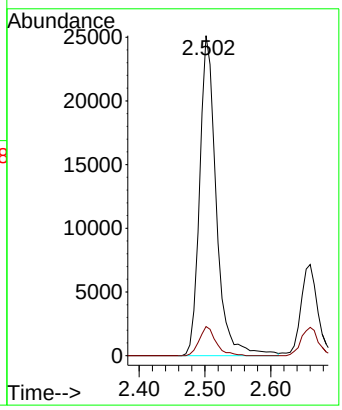




#17
Carbon Disulfide
Concen: 13.919 ug/l
RT: 2.502 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion: 76 Resp: 4407

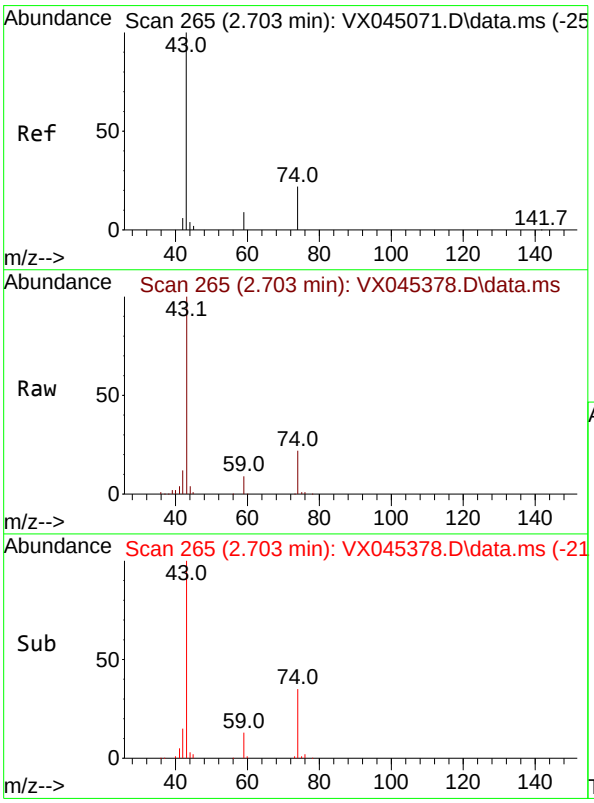
Ion	Ratio	Lower	Upper
76	100		
78	9.1	6.6	9.8



Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Manual Integrations
APPROVED

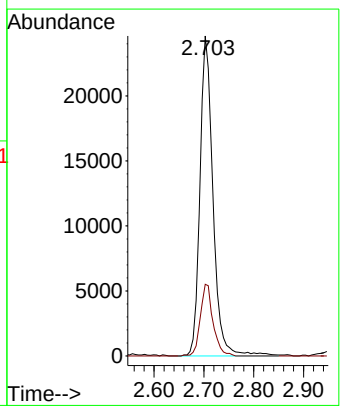
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

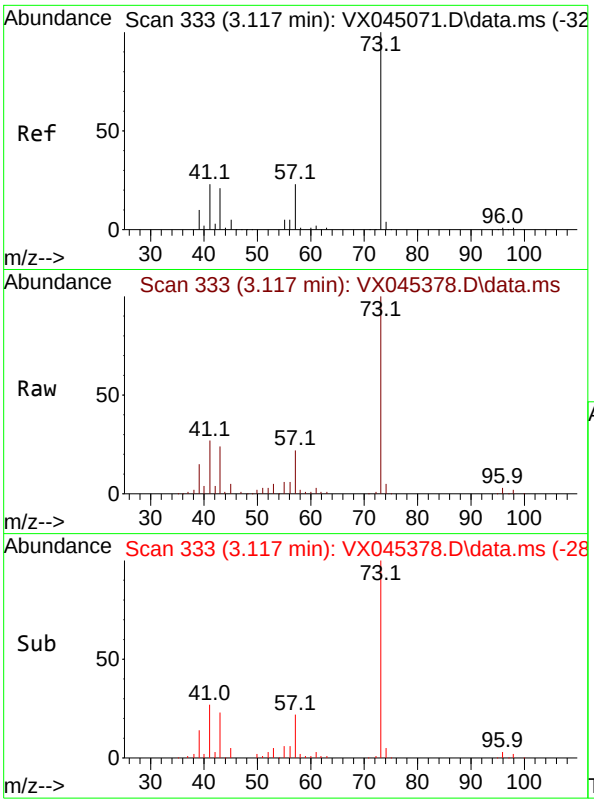


#18
Methyl Acetate
Concen: 26.039 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion: 43 Resp: 44730

Ion	Ratio	Lower	Upper
43	100		
74	21.8	17.4	26.2

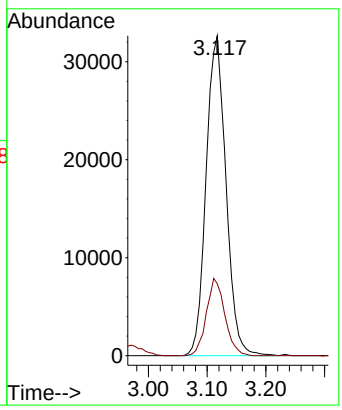




#19
Methyl tert-butyl Ether
Concen: 19.245 ug/l
RT: 3.117 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion: 73 Resp: 7676

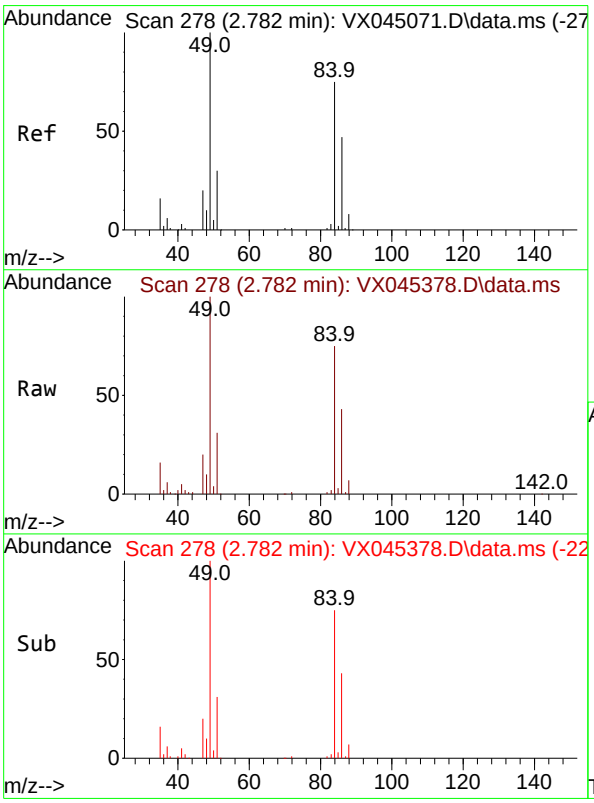
Ion	Ratio	Lower	Upper
73	100		
57	22.5	18.5	27.7



Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Manual Integrations
APPROVED

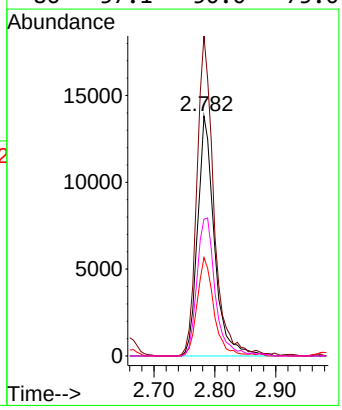
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

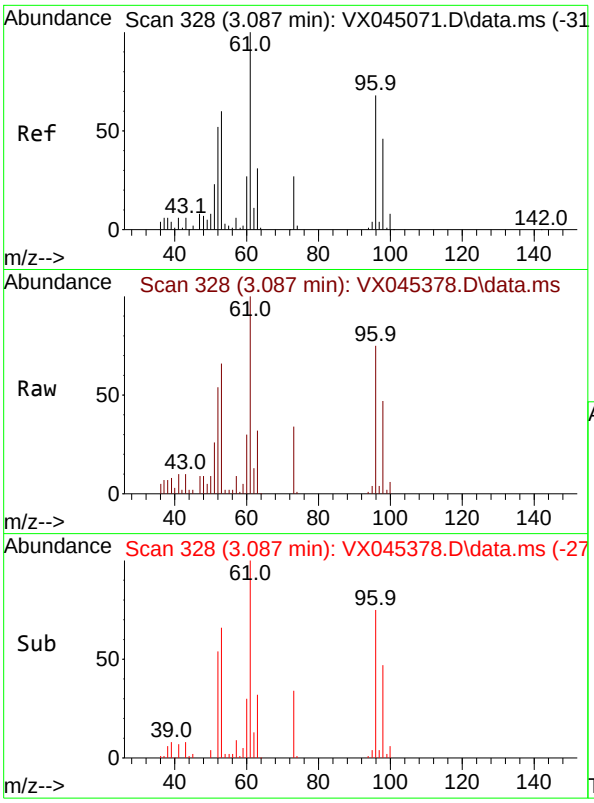


#20
Methylene Chloride
Concen: 18.787 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion: 84 Resp: 26573

Ion	Ratio	Lower	Upper
84	100		
49	133.4	106.5	159.7
51	41.0	32.1	48.1
86	57.1	50.0	75.0

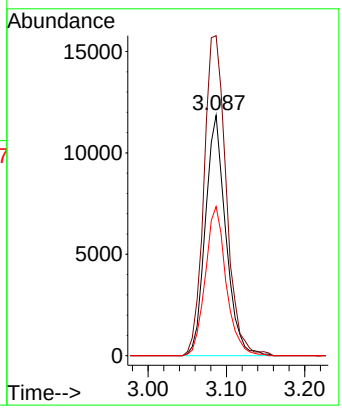




#21
trans-1,2-Dichloroethene
Concen: 18.303 ug/l
RT: 3.087 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion: 96 Resp: 2149

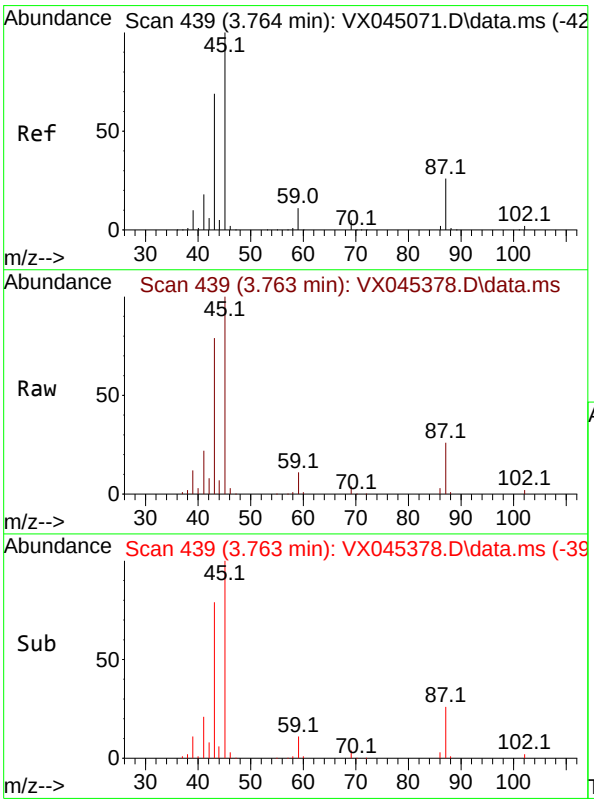
Ion	Ratio	Lower	Upper
96	100		
61	133.1	117.0	175.4
98	62.0	53.4	80.2



Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Manual Integrations
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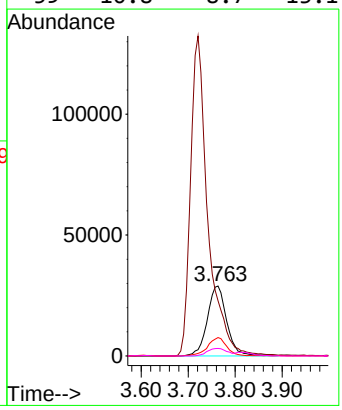
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

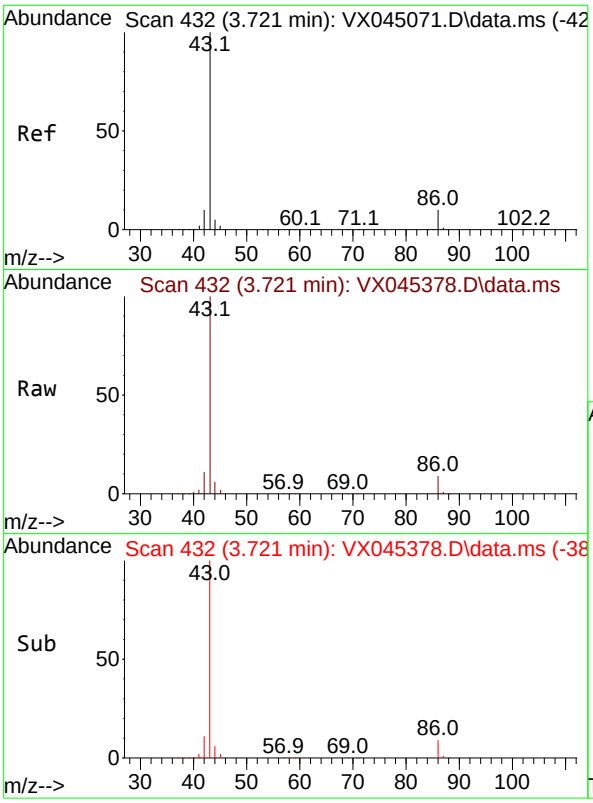


#22
Diisopropyl ether
Concen: 19.279 ug/l
RT: 3.763 min Scan# 439
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion: 45 Resp: 82977

Ion	Ratio	Lower	Upper
45	100		
43	77.9	54.9	82.3
87	26.3	21.0	31.4
59	10.8	8.7	13.1





#23
Vinyl Acetate
Concen: 94.998 ug/l
RT: 3.721 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

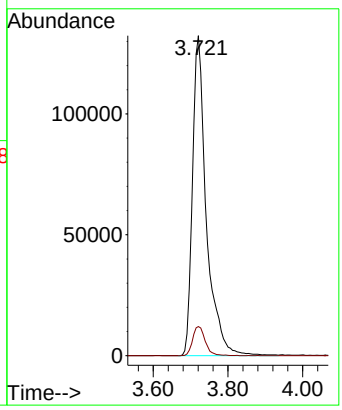
Tgt Ion: 43 Resp: 34121

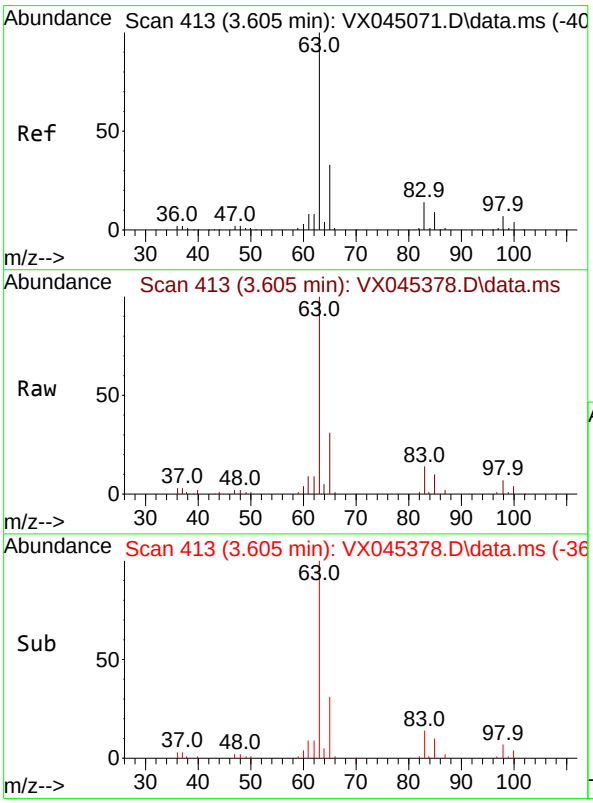
Ion	Ratio	Lower	Upper
43	100		
86	9.1	8.1	12.1

Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

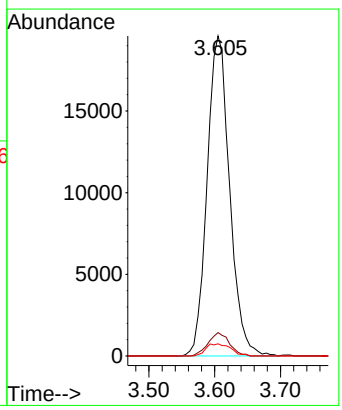


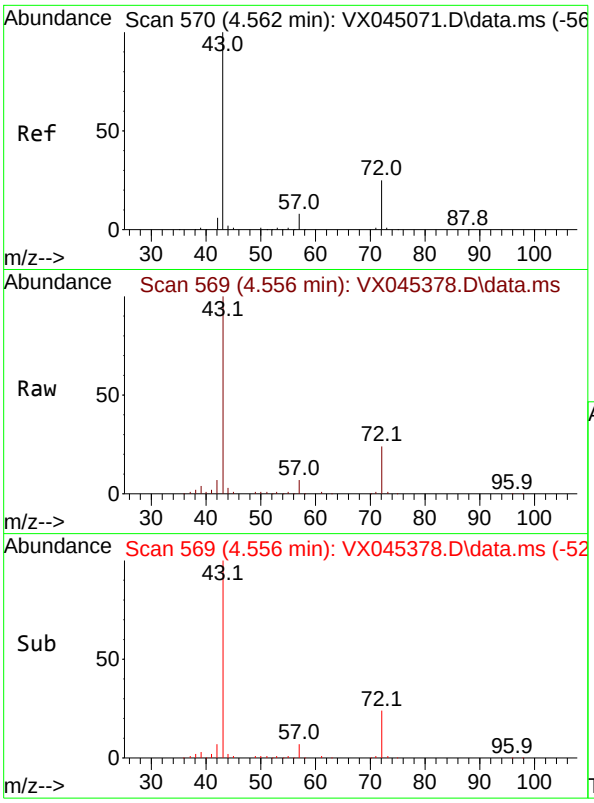


#24
1,1-Dichloroethane
Concen: 19.353 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion: 63 Resp: 46682

Ion	Ratio	Lower	Upper
63	100		
98	7.3	3.4	10.2
100	3.8	2.1	6.5





#25
2-Butanone
Concen: 103.037 ug/l
RT: 4.556 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

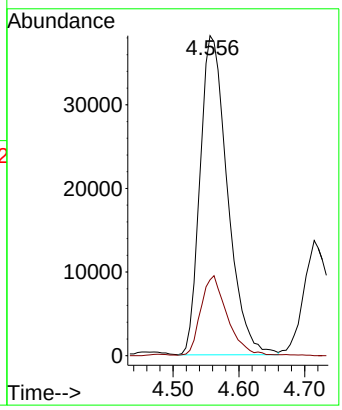
Tgt Ion: 43 Resp: 11074

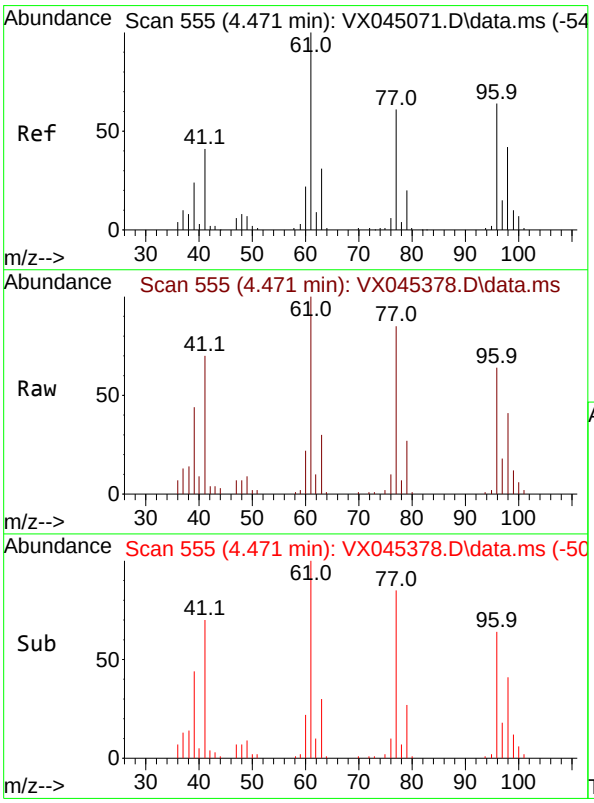
Ion	Ratio	Lower	Upper
43	100		
72	23.6	20.0	30.0

Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

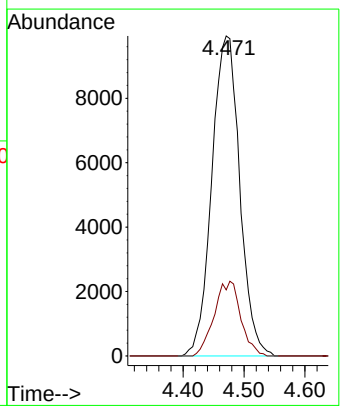


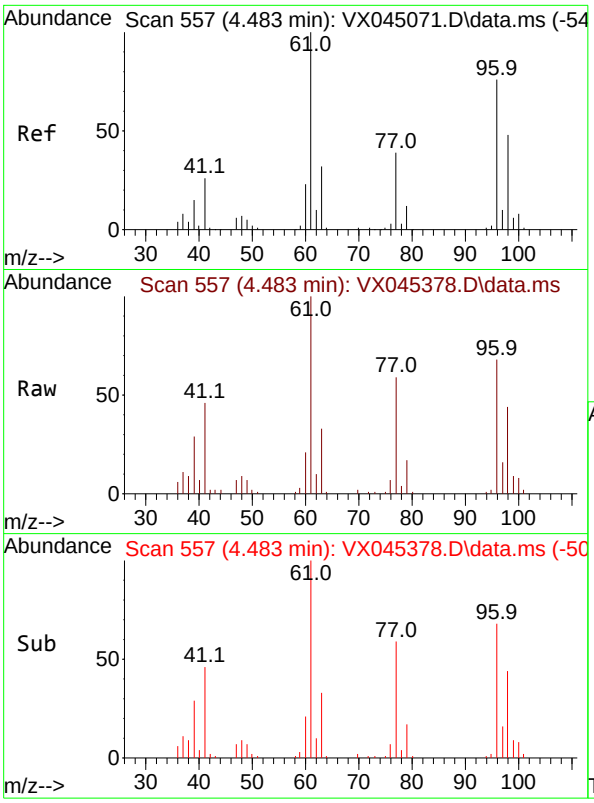


#26
2,2-Dichloropropane
Concen: 27.900 ug/l
RT: 4.471 min Scan# 555
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion: 77 Resp: 31567

Ion	Ratio	Lower	Upper
77	100		
97	22.2	12.4	37.0

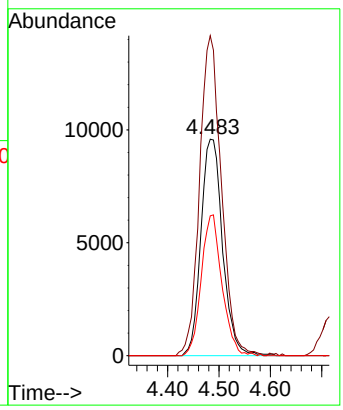




#27
cis-1,2-Dichloroethene
Concen: 19.357 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion: 96 Resp: 2806

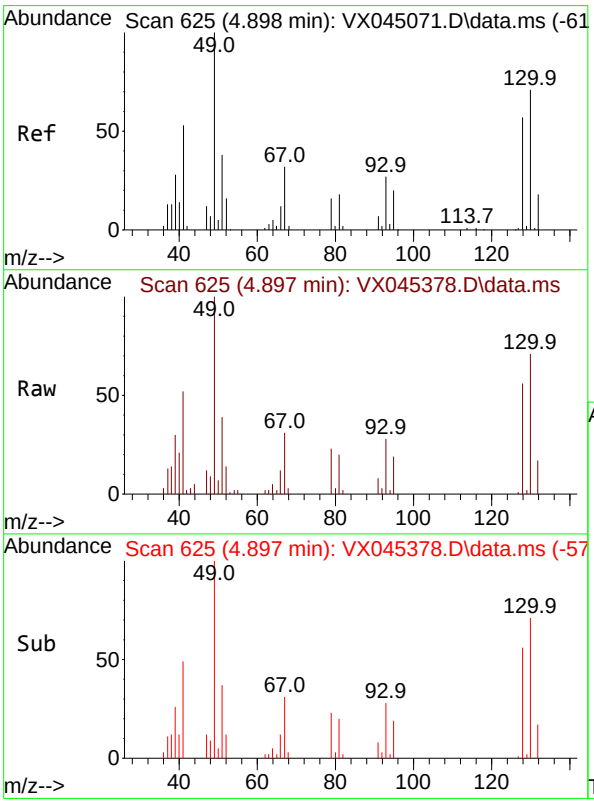
Ion	Ratio	Lower	Upper
96	100		
61	148.8	0.0	283.2
98	62.1	0.0	128.0



Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Manual Integrations
APPROVED

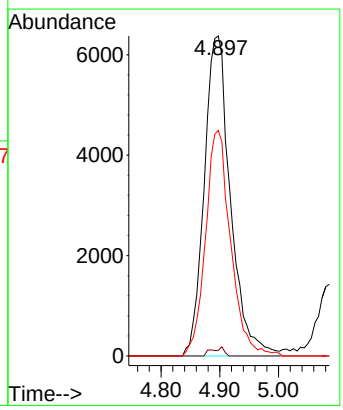
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

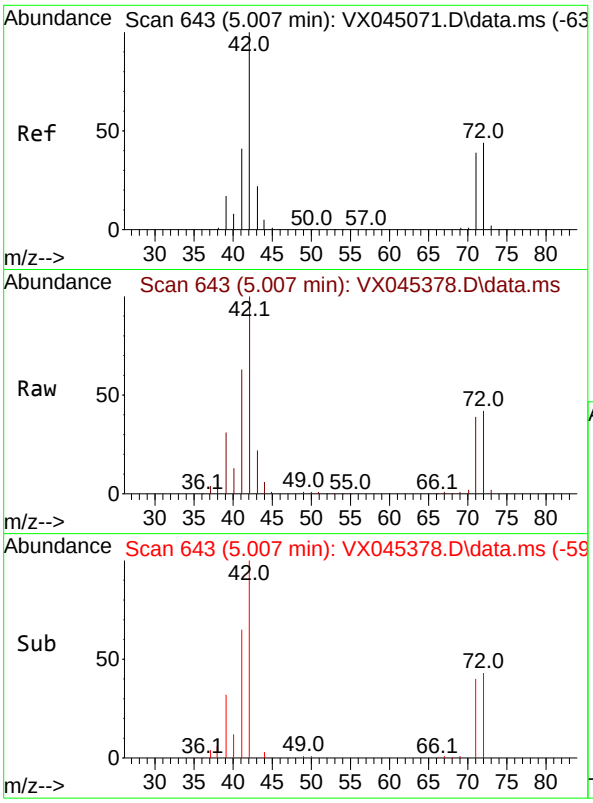


#28
Bromochloromethane
Concen: 17.204 ug/l
RT: 4.897 min Scan# 625
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion: 49 Resp: 19780

Ion	Ratio	Lower	Upper
49	100		
129	1.3	0.0	3.4
130	67.6	56.1	84.1

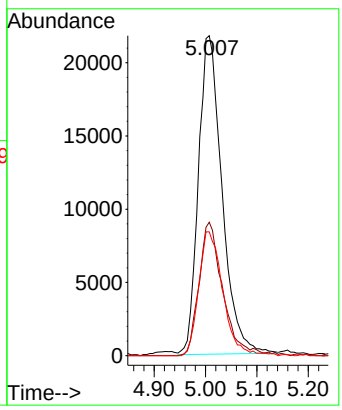




#29
Tetrahydrofuran
Concen: 96.293 ug/l
RT: 5.007 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion: 42 Resp: 6950

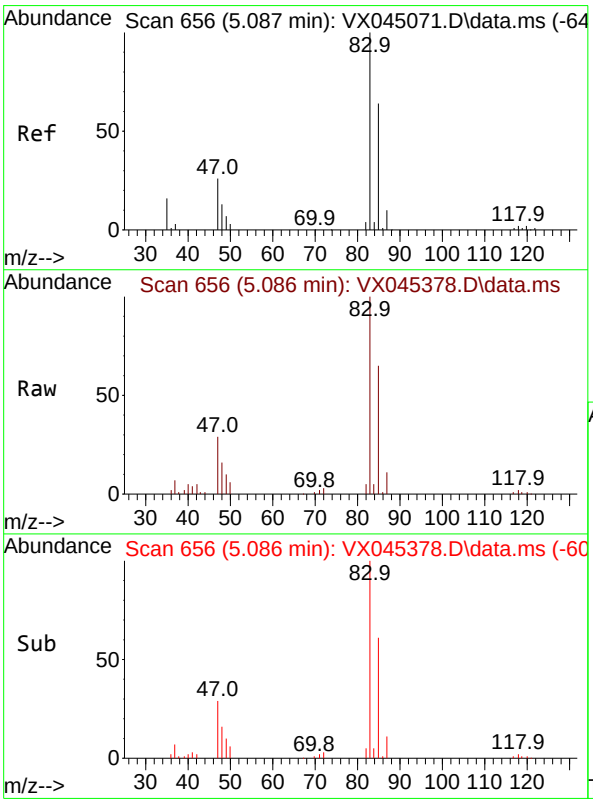
Ion	Ratio	Lower	Upper
42	100		
72	42.5	34.1	51.1
71	39.8	31.4	47.0



Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Manual Integrations
APPROVED

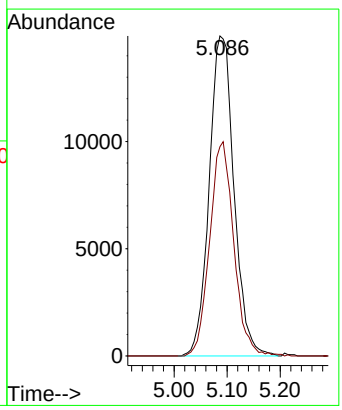
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

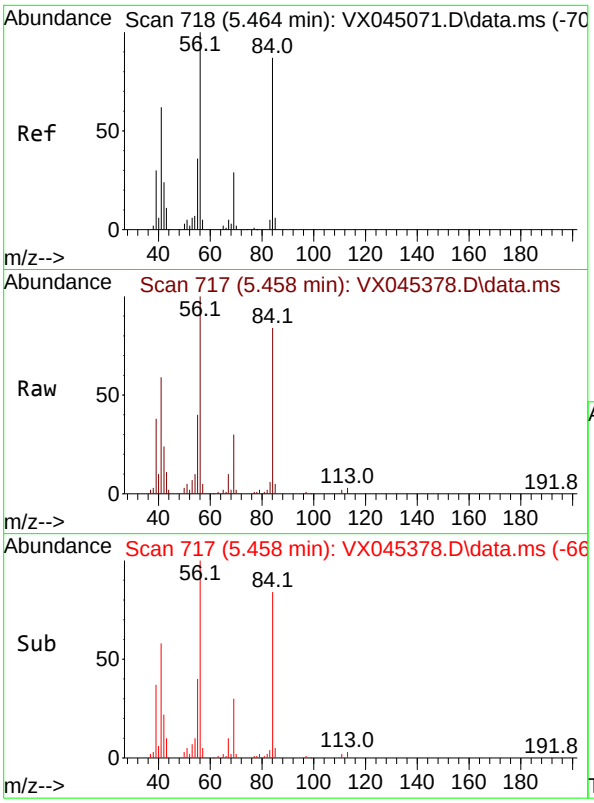


#30
Chloroform
Concen: 20.197 ug/l
RT: 5.086 min Scan# 656
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion: 83 Resp: 48407

Ion	Ratio	Lower	Upper
83	100		
85	65.4	51.4	77.2

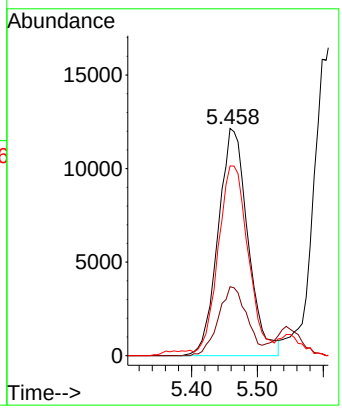




#31
Cyclohexane
Concen: 18.278 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion: 56 Resp: 3827

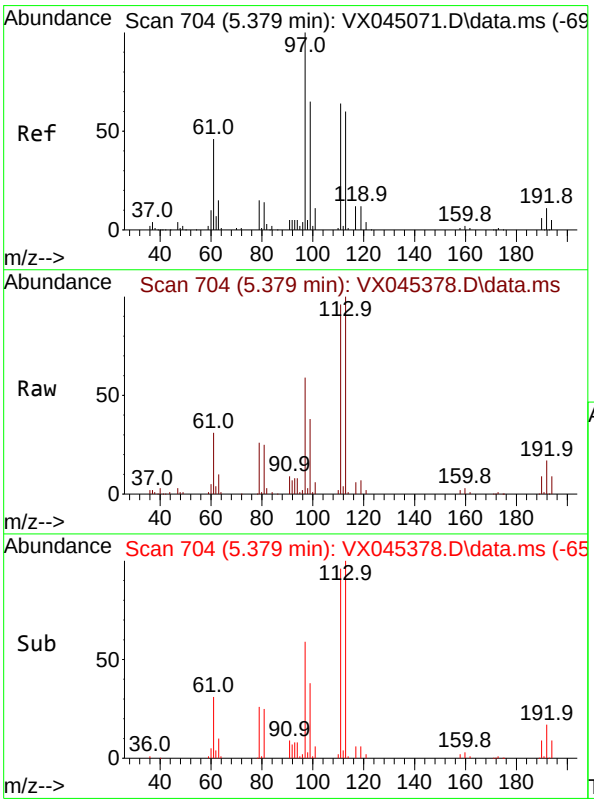
Ion	Ratio	Lower	Upper
56	100		
69	30.4	23.4	35.2
84	81.7	69.4	104.2



Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Manual Integrations
APPROVED

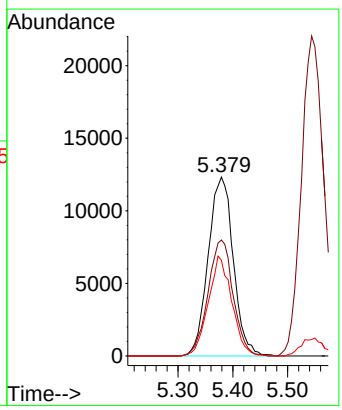
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

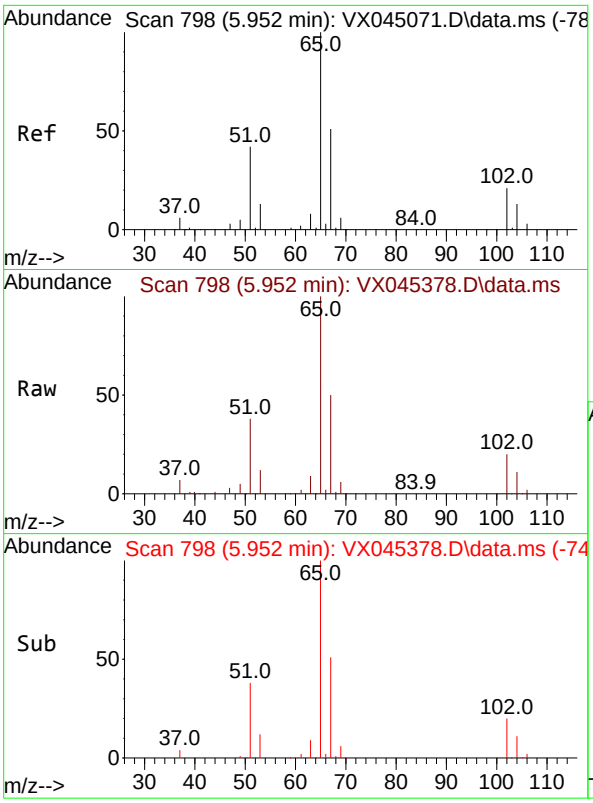


#32
1,1,1-Trichloroethane
Concen: 20.252 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion: 97 Resp: 39203

Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.6	77.4
61	52.1	38.4	57.6

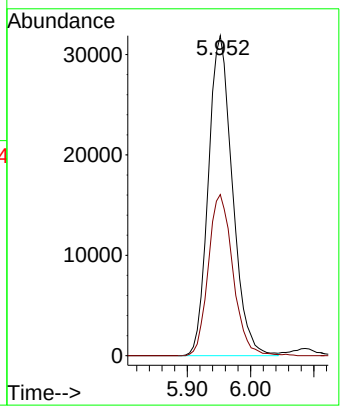




#33
1,2-Dichloroethane-d4
Concen: 54.764 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion: 65 Resp: 8428

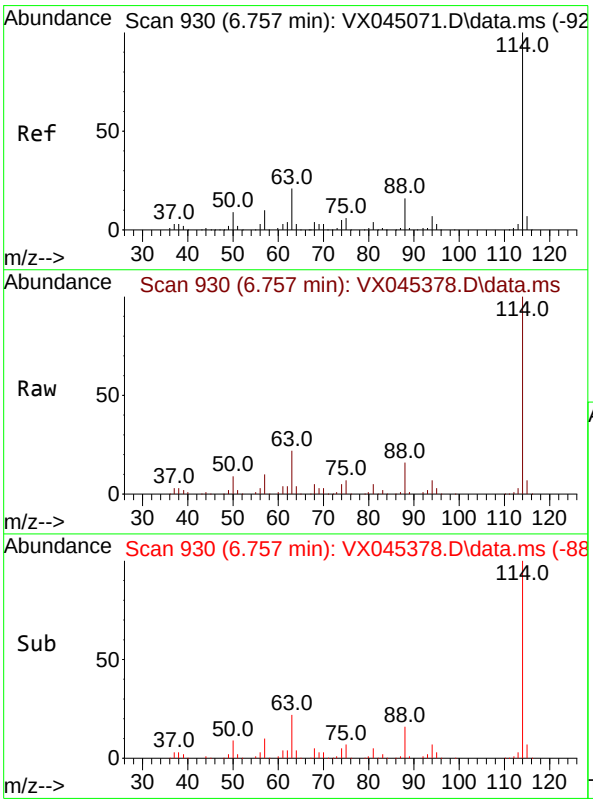
Ion	Ratio	Lower	Upper
65	100		
67	51.5	0.0	106.2



Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Manual Integrations
APPROVED

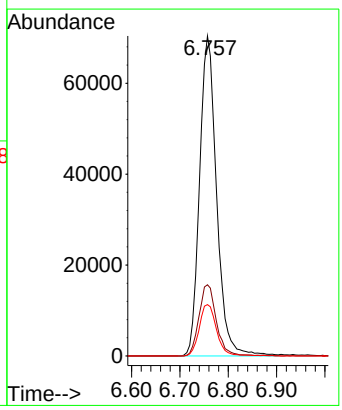
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

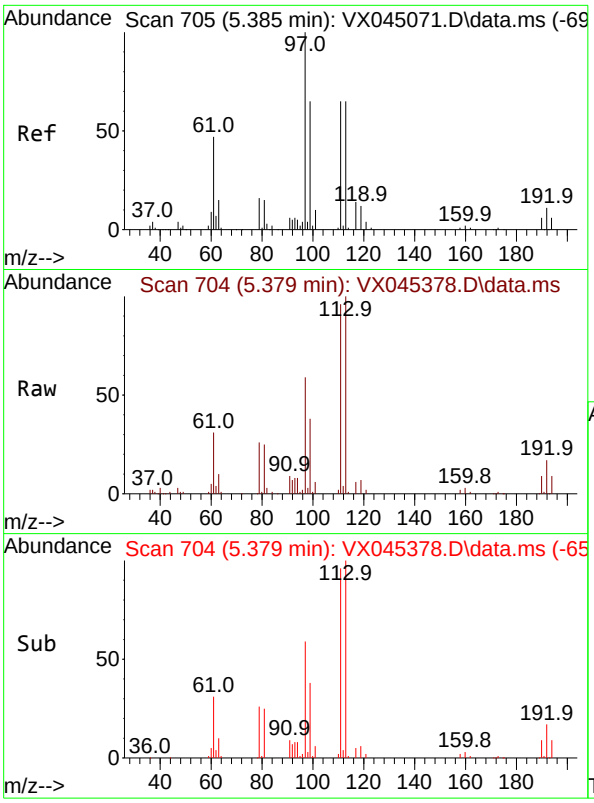


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion:114 Resp: 172413

Ion	Ratio	Lower	Upper
114	100		
63	22.2	0.0	41.8
88	16.0	0.0	32.8

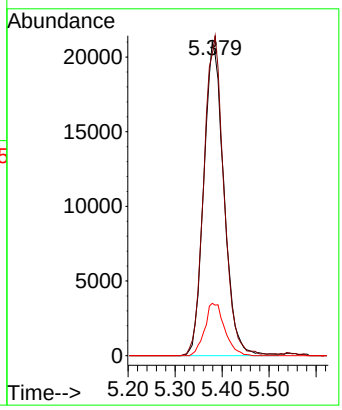




#35
Dibromofluoromethane
Concen: 54.092 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion:113 Resp: 6236

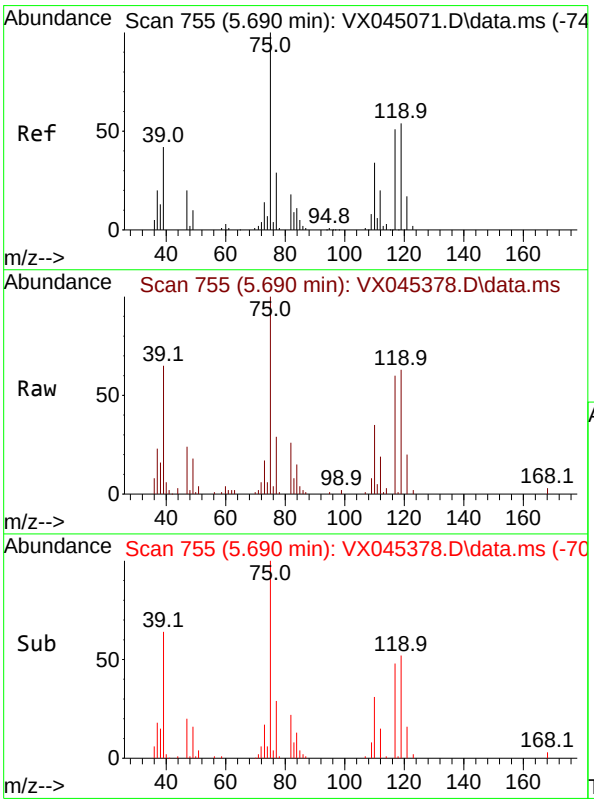
Ion	Ratio	Lower	Upper
113	100		
111	101.5	81.8	122.6
192	16.6	14.3	21.5



Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Manual Integrations
APPROVED

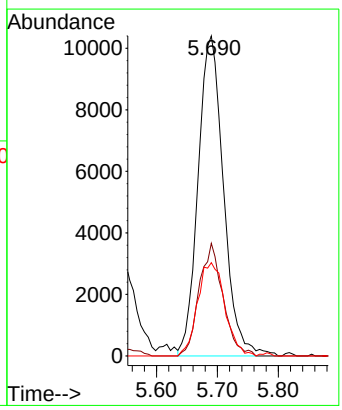
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

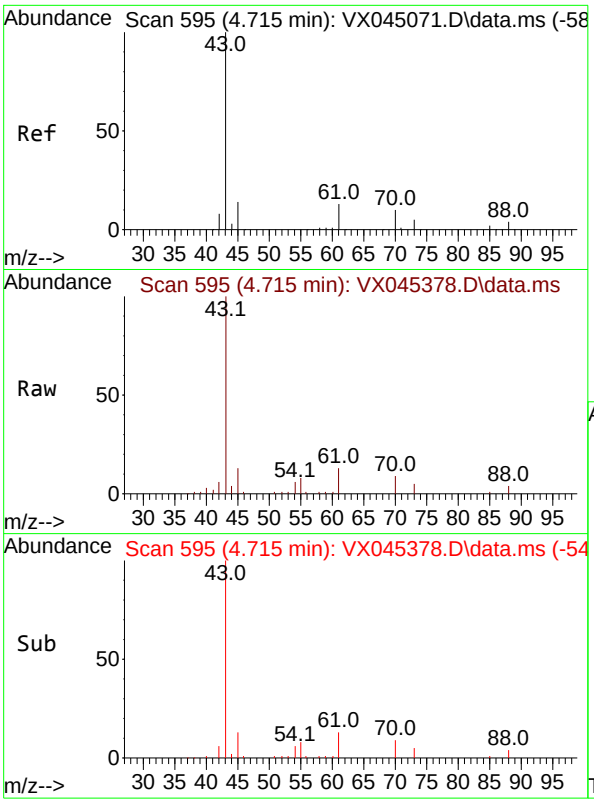


#36
1,1-Dichloropropene
Concen: 19.120 ug/l
RT: 5.690 min Scan# 755
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion: 75 Resp: 30230

Ion	Ratio	Lower	Upper
75	100		
110	32.9	16.9	50.6
77	31.1	24.5	36.7

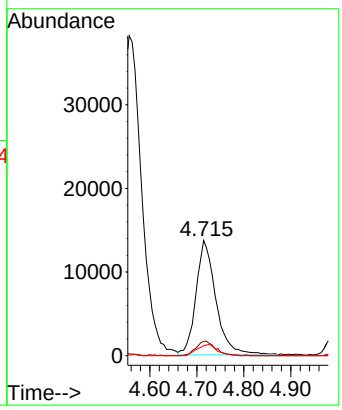




#37
Ethyl Acetate
Concen: 19.773 ug/l
RT: 4.715 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion: 43 Resp: 4028

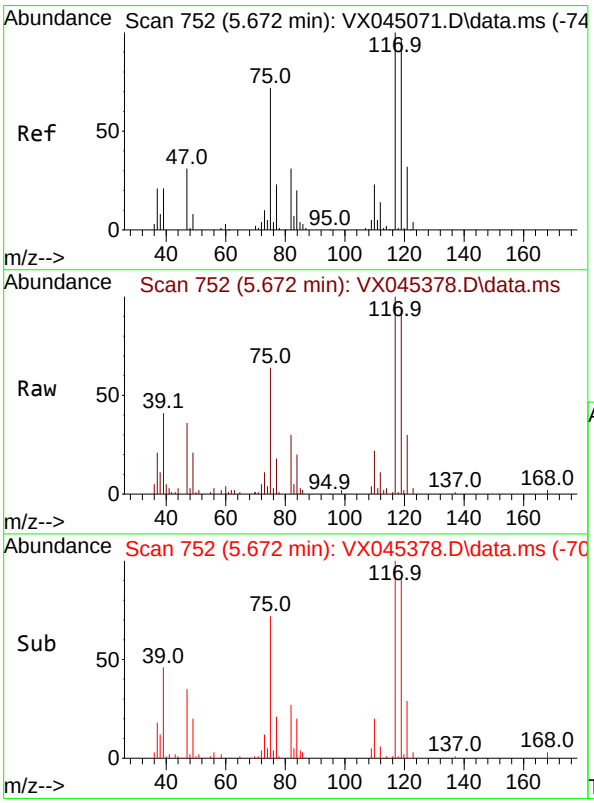
Ion	Ratio	Lower	Upper
43	100		
61	12.4	10.8	16.2
70	9.8	7.7	11.5



Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Manual Integrations
APPROVED

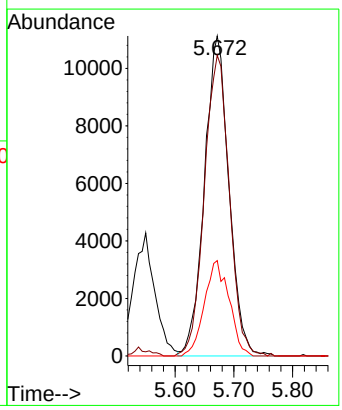
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

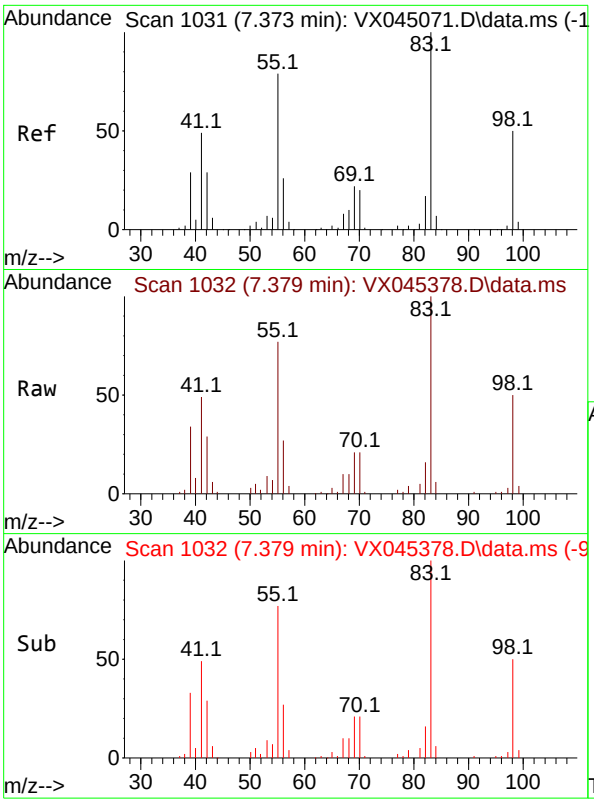


#38
Carbon Tetrachloride
Concen: 20.091 ug/l
RT: 5.672 min Scan# 752
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion:117 Resp: 32250

Ion	Ratio	Lower	Upper
117	100		
119	93.9	76.7	115.1
121	29.8	25.5	38.3

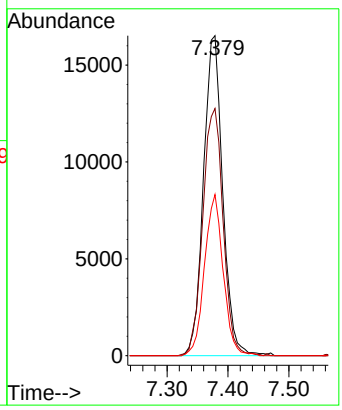




#39
Methylcyclohexane
Concen: 19.149 ug/l
RT: 7.379 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion: 83 Resp: 3627

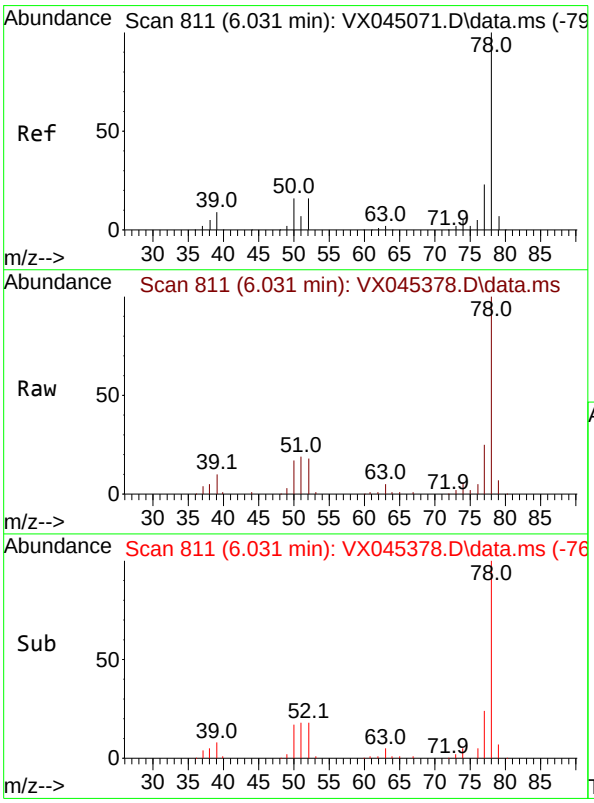
Ion	Ratio	Lower	Upper
83	100		
55	77.3	63.0	94.4
98	50.4	39.7	59.5



Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

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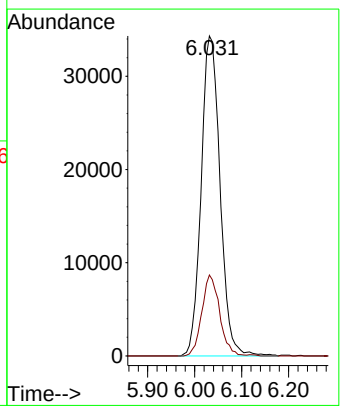
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

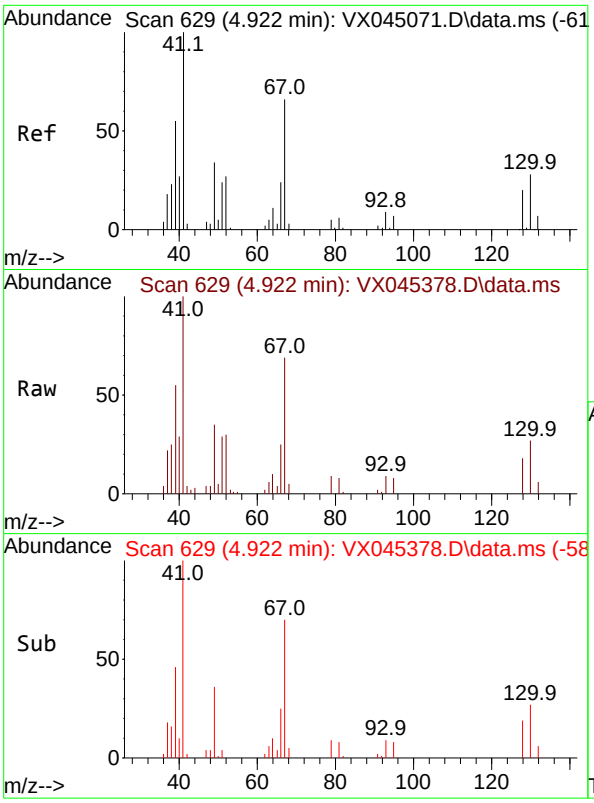


#40
Benzene
Concen: 19.193 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion: 78 Resp: 95825

Ion	Ratio	Lower	Upper
78	100		
77	25.3	18.8	28.2

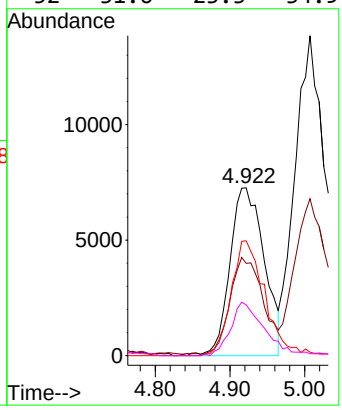




#41
Methacrylonitrile
Concen: 21.072 ug/l
RT: 4.922 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion: 41 Resp: 2321

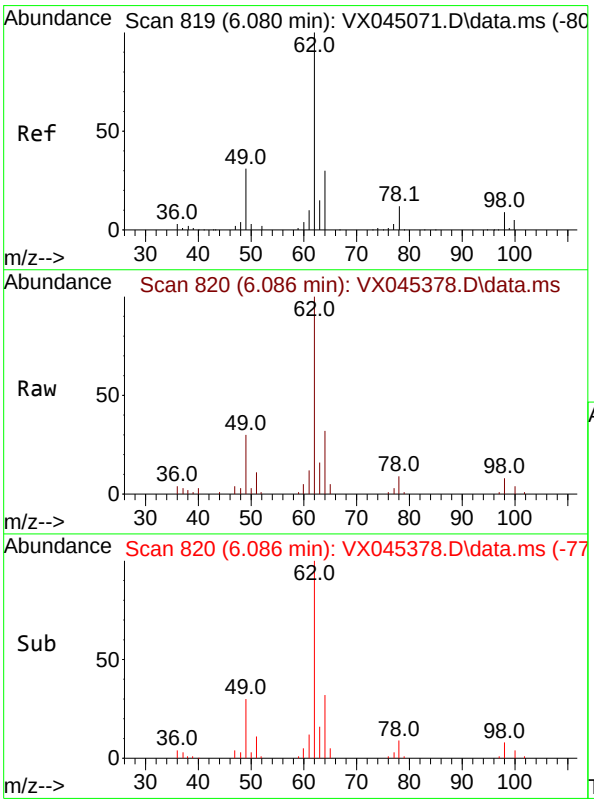
Ion	Ratio	Lower	Upper
41	100		
39	55.6	44.6	67.0
67	67.4	53.9	80.9
52	31.6	23.3	34.9



Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Manual Integrations
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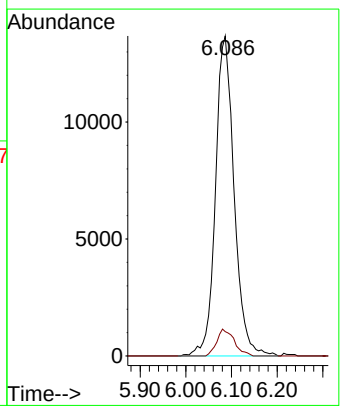
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

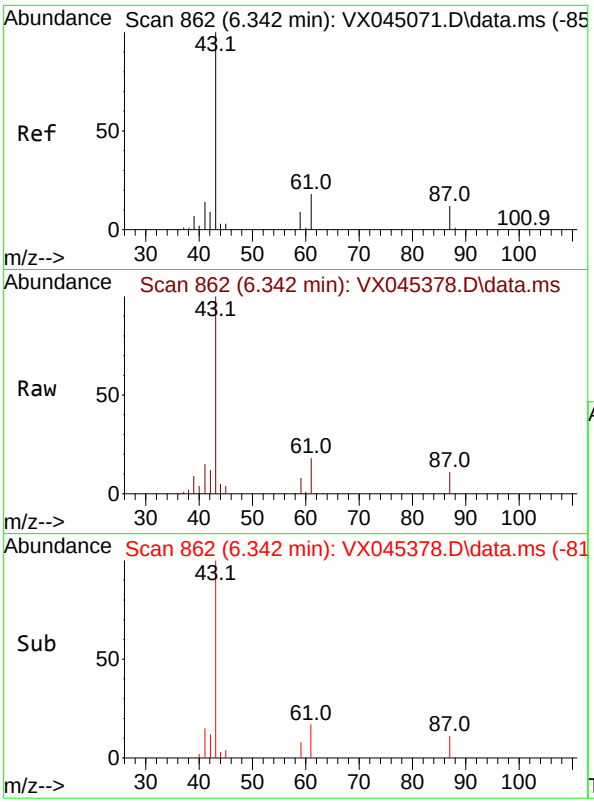


#42
1,2-Dichloroethane
Concen: 21.626 ug/l
RT: 6.086 min Scan# 820
Delta R.T. 0.006 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion: 62 Resp: 38881

Ion	Ratio	Lower	Upper
62	100		
98	7.9	0.0	18.2





#43
Isopropyl Acetate
Concen: 19.752 ug/l
RT: 6.342 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

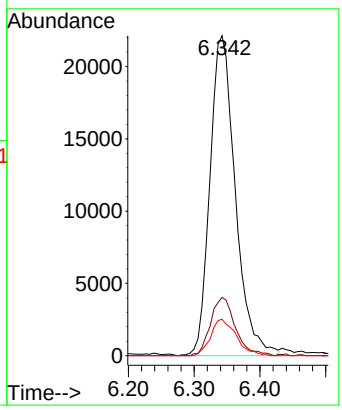
Tgt Ion: 43 Resp: 5950

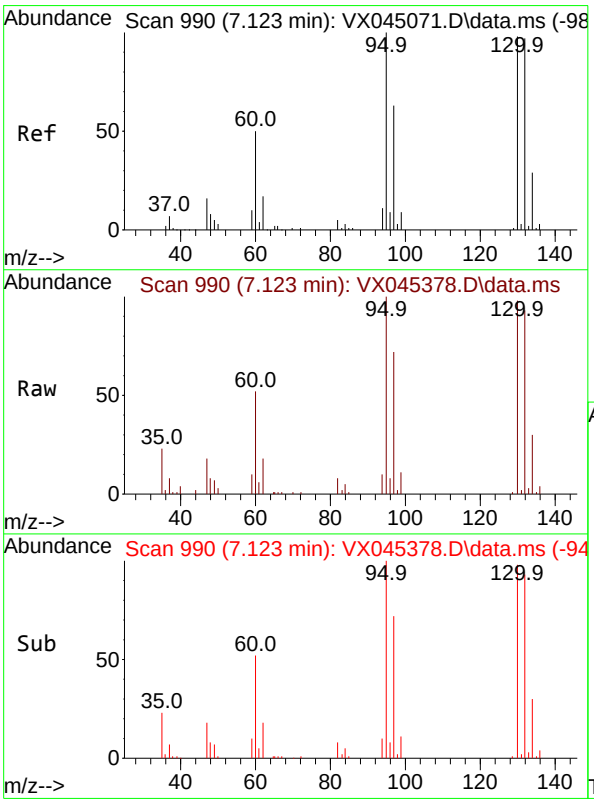
Ion	Ratio	Lower	Upper
43	100		
61	17.8	14.9	22.3
87	11.4	9.4	14.2

Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

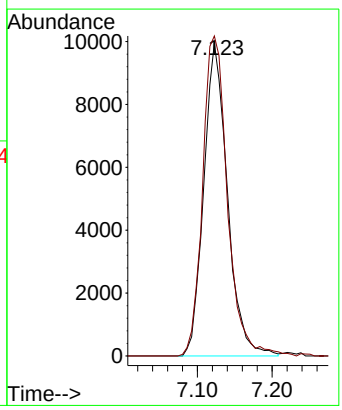


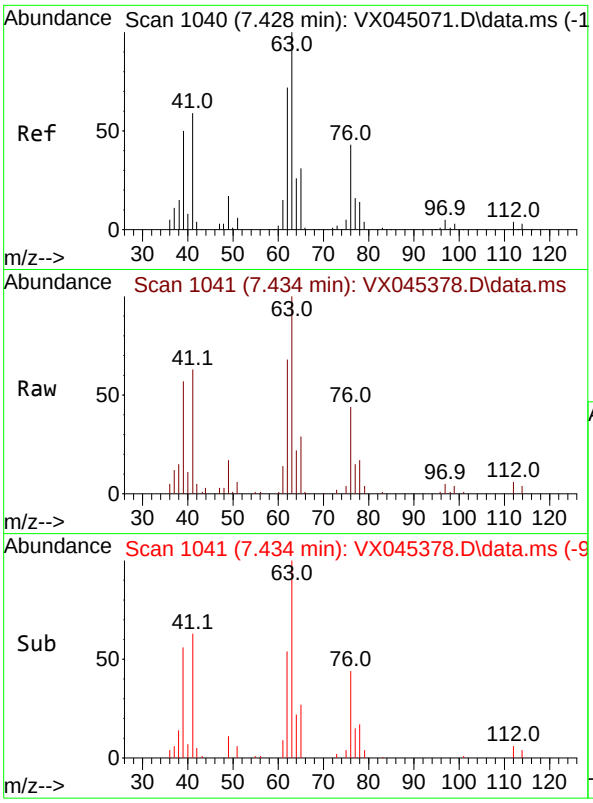


#44
Trichloroethene
Concen: 18.686 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion:130 Resp: 21906

Ion	Ratio	Lower	Upper
130	100		
95	102.3	0.0	205.0

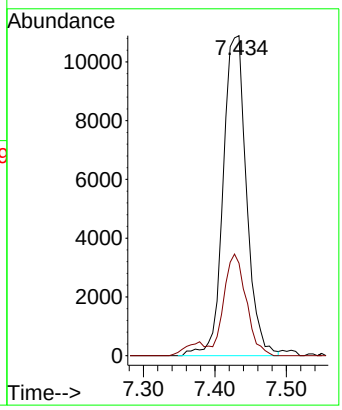




#45
1,2-Dichloropropane
Concen: 19.215 ug/l
RT: 7.434 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion: 63 Resp: 2466

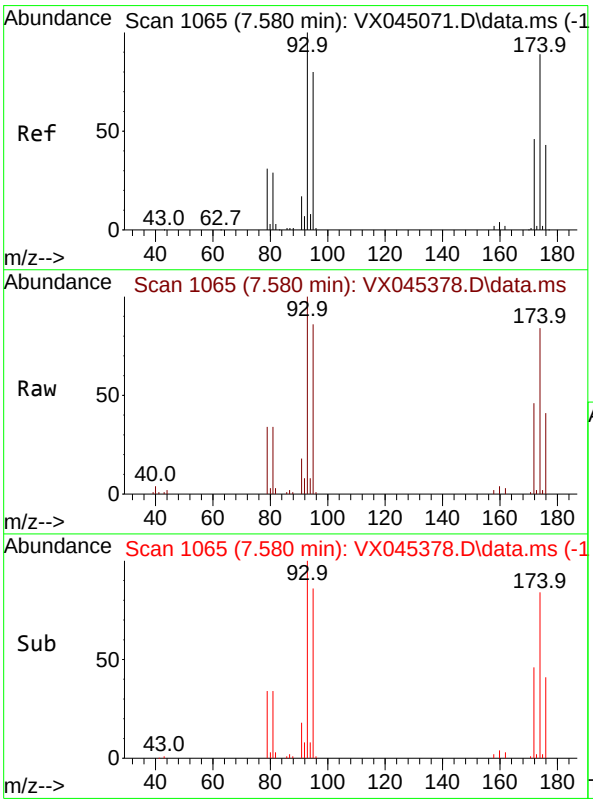
Ion	Ratio	Lower	Upper
63	100		
65	28.9	24.7	37.1



Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Manual Integrations
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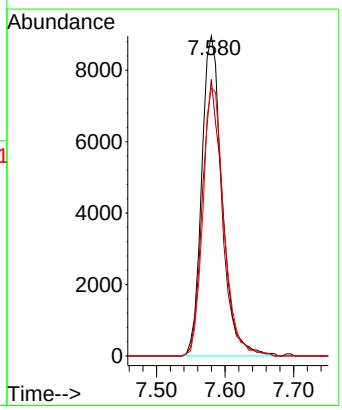
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

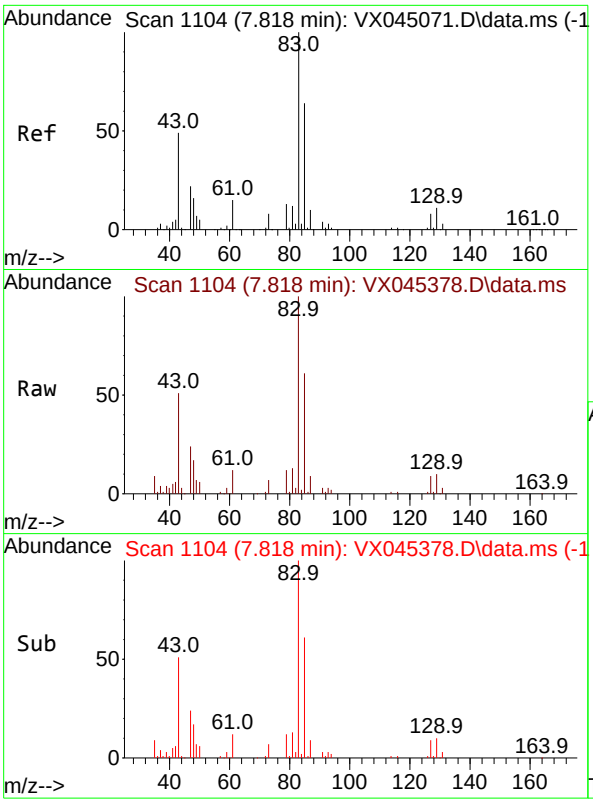


#46
Dibromomethane
Concen: 20.550 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion: 93 Resp: 18645

Ion	Ratio	Lower	Upper
93	100		
95	84.2	65.8	98.8
174	86.1	72.2	108.2

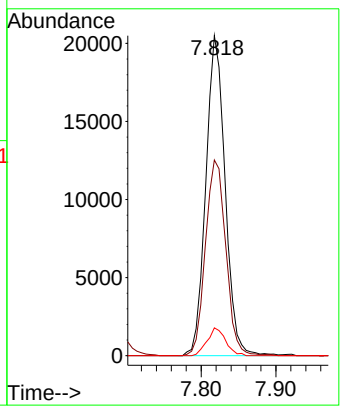




#47
Bromodichloromethane
Concen: 20.676 ug/l
RT: 7.818 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion: 83 Resp: 3679

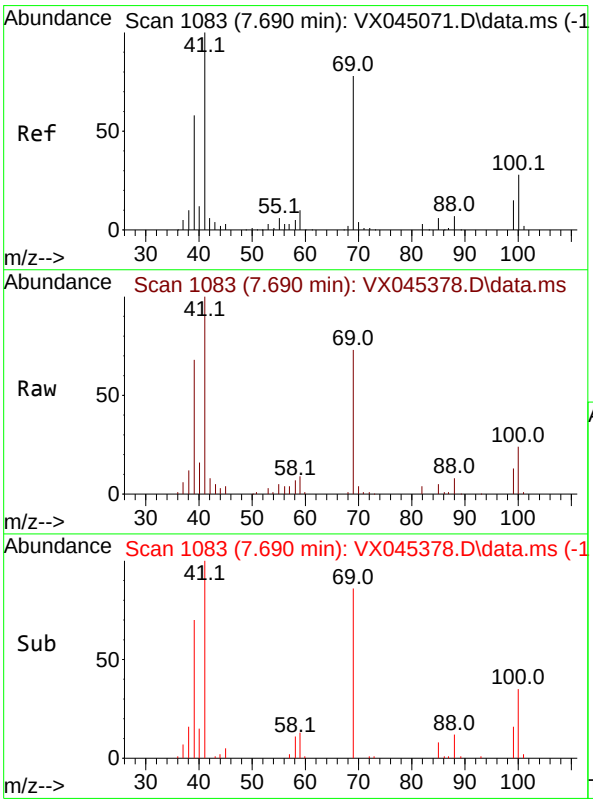
Ion	Ratio	Lower	Upper
83	100		
85	61.1	51.1	76.7
127	8.7	6.4	9.6



Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Manual Integrations
APPROVED

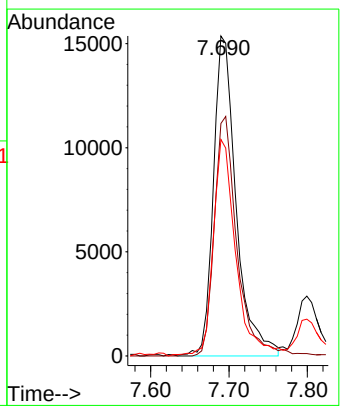
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

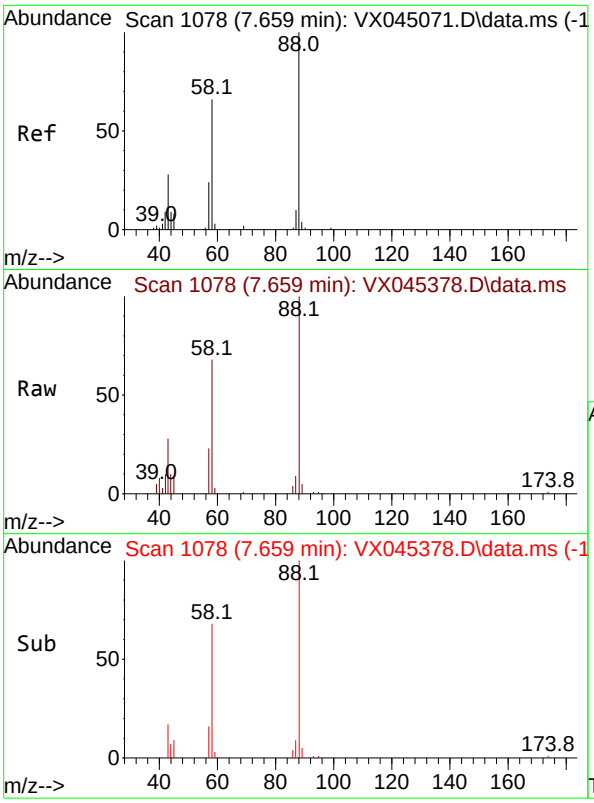


#48
Methyl methacrylate
Concen: 20.561 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion: 41 Resp: 31076

Ion	Ratio	Lower	Upper
41	100		
69	75.2	63.0	94.6
39	67.1	47.5	71.3





#49
1,4-Dioxane
Concen: 367.178 ug/l
RT: 7.659 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

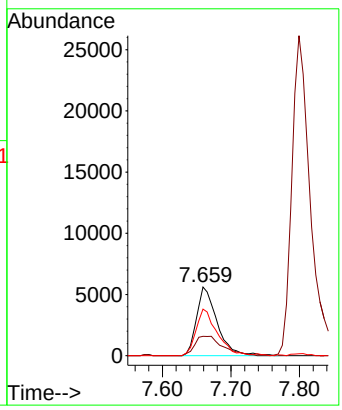
Tgt Ion: 88 Resp: 1170

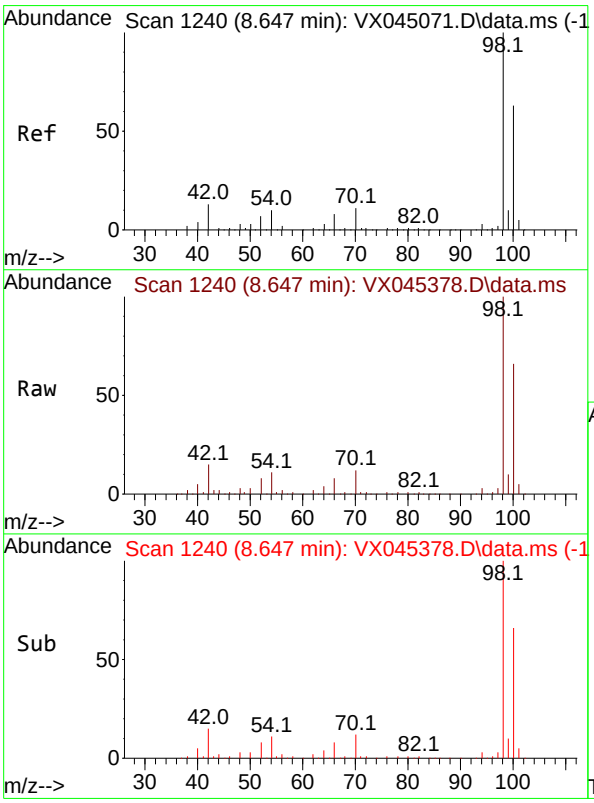
Ion	Ratio	Lower	Upper
88	100		
43	38.3	28.7	43.1
58	69.5	55.8	83.8

Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

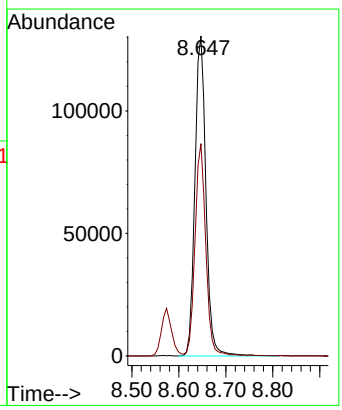


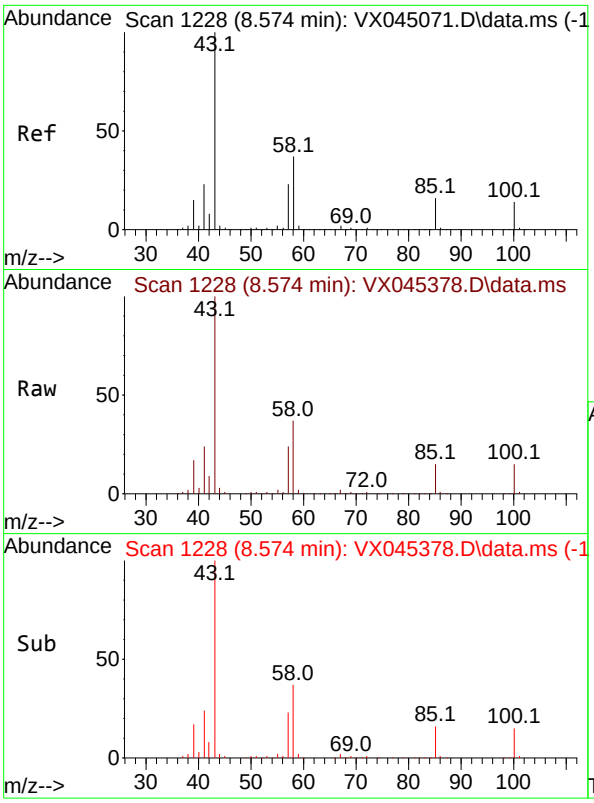


#50
Toluene-d8
Concen: 51.247 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion: 98 Resp: 214191

Ion	Ratio	Lower	Upper
98	100		
100	64.9	52.0	78.0

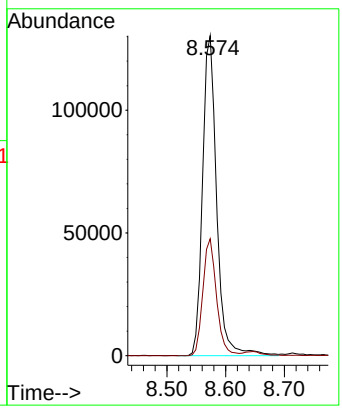




#51
4-Methyl-2-Pentanone
Concen: 107.651 ug/l
RT: 8.574 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion: 43 Resp: 21775

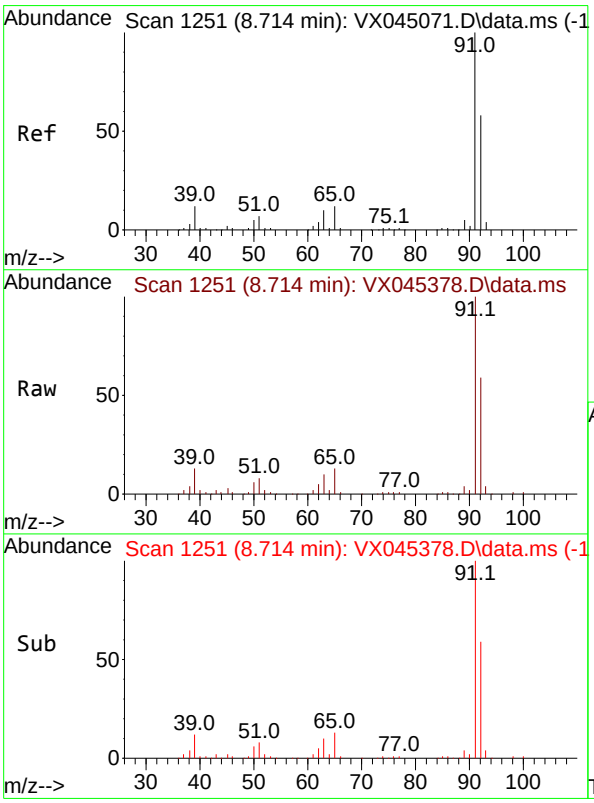
Ion	Ratio	Lower	Upper
43	100		
58	35.3	29.2	43.8



Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Manual Integrations
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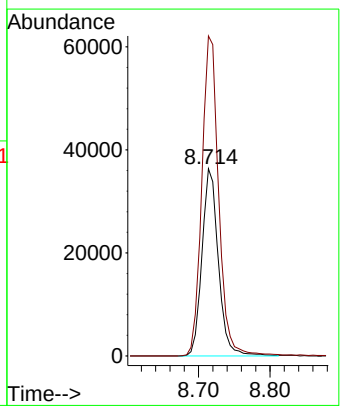
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

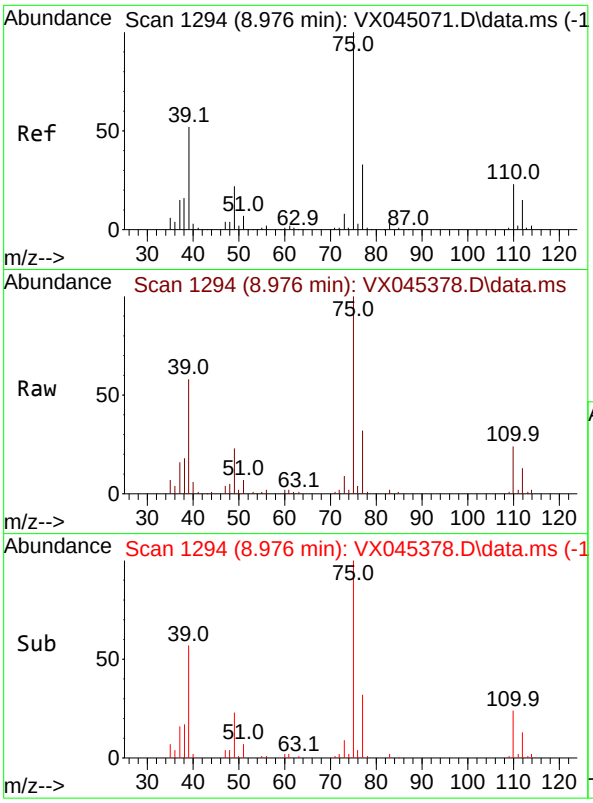


#52
Toluene
Concen: 19.806 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion: 92 Resp: 58017

Ion	Ratio	Lower	Upper
92	100		
91	176.9	138.9	208.3

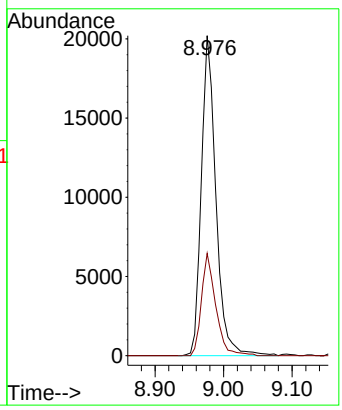




#53
t-1,3-Dichloropropene
Concen: 20.126 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion: 75 Resp: 2994

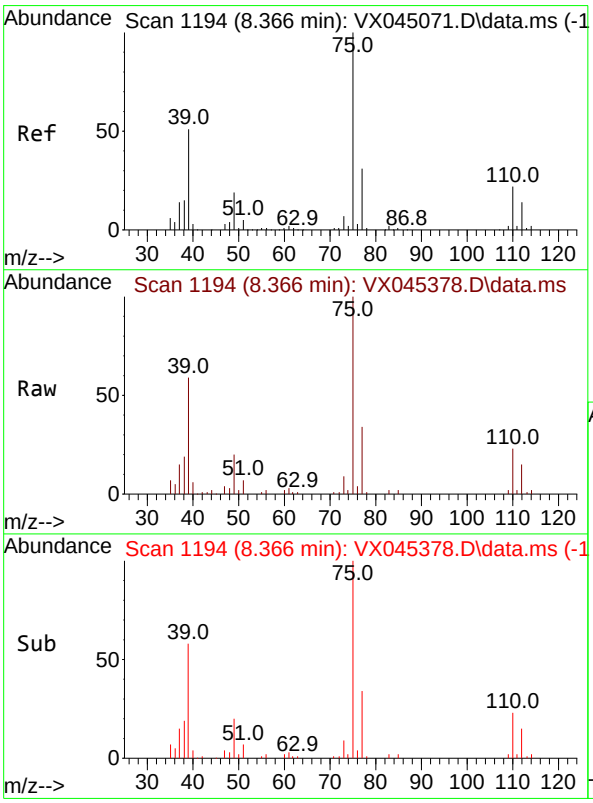
Ion	Ratio	Lower	Upper
75	100		
77	31.9	26.5	39.7



Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Manual Integrations
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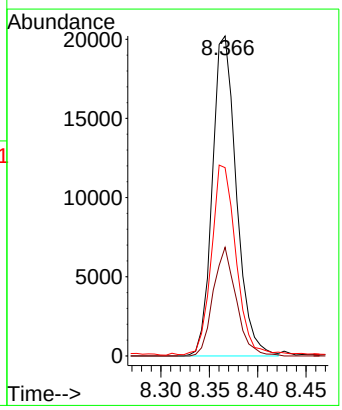
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

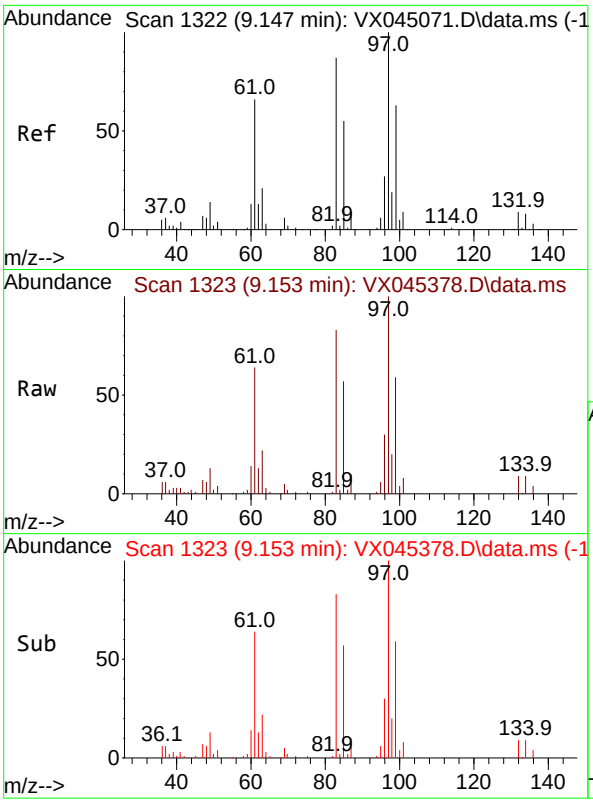


#54
cis-1,3-Dichloropropene
Concen: 20.118 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion: 75 Resp: 34903

Ion	Ratio	Lower	Upper
75	100		
77	33.9	24.7	37.1
39	58.4	40.7	61.1

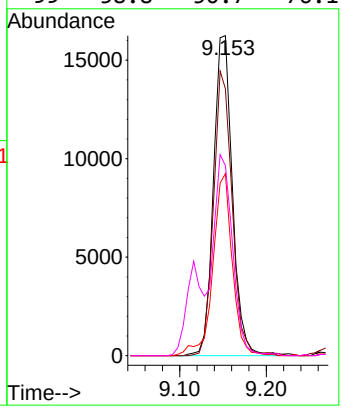




#55
1,1,2-Trichloroethane
Concen: 20.419 ug/l
RT: 9.153 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion: 97 Resp: 2462

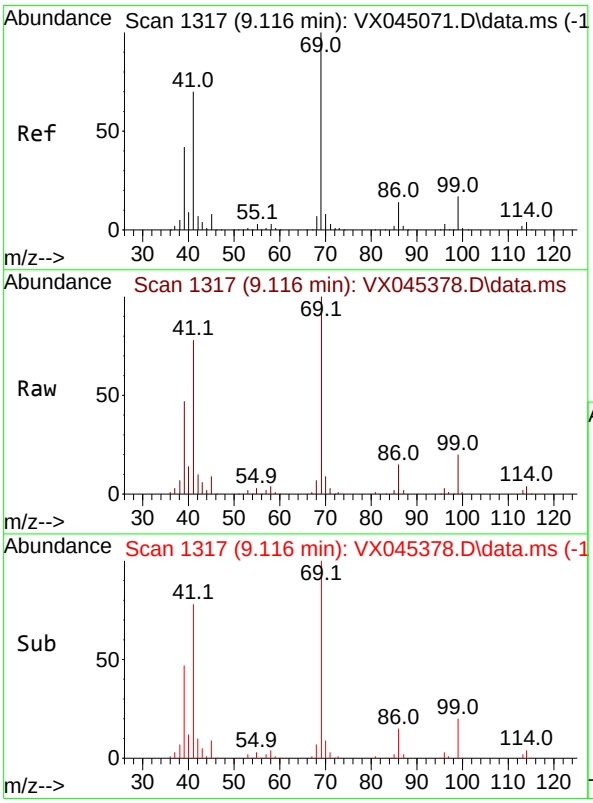
Ion	Ratio	Lower	Upper
97	100		
83	83.4	69.4	104.2
85	56.9	44.1	66.1
99	58.8	50.7	76.1



Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Manual Integrations
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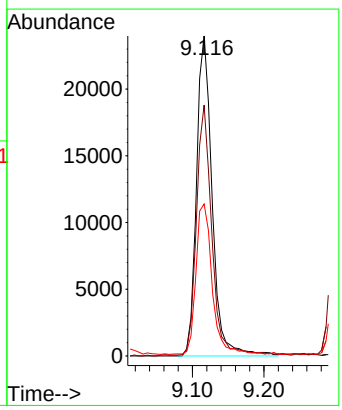
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

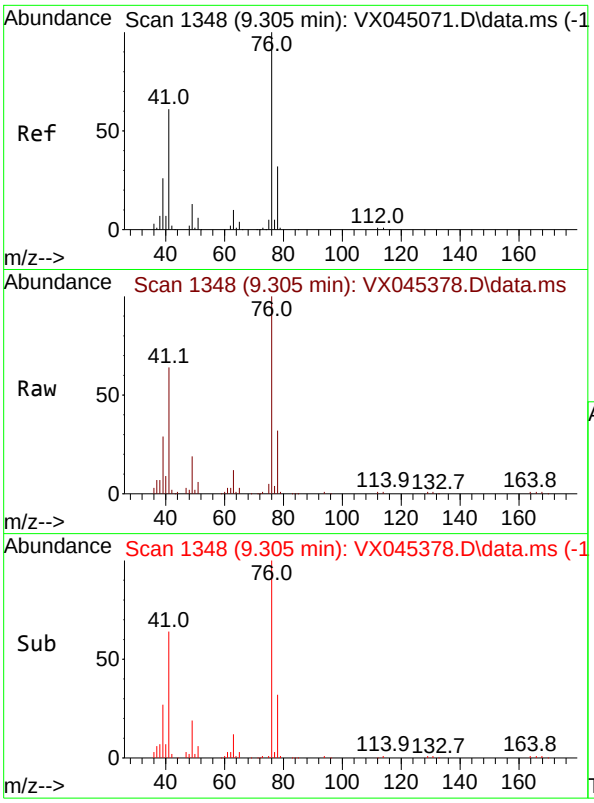


#56
Ethyl methacrylate
Concen: 19.895 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion: 69 Resp: 36468

Ion	Ratio	Lower	Upper
69	100		
41	75.9	57.0	85.4
39	49.7	34.2	51.4

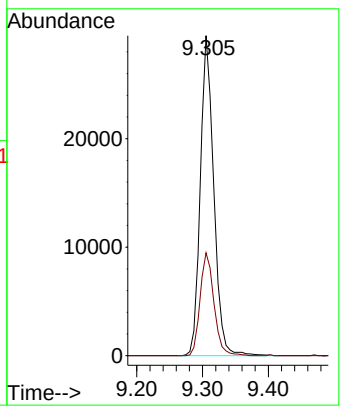




#57
1,3-Dichloropropane
Concen: 20.051 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion: 76 Resp: 4184

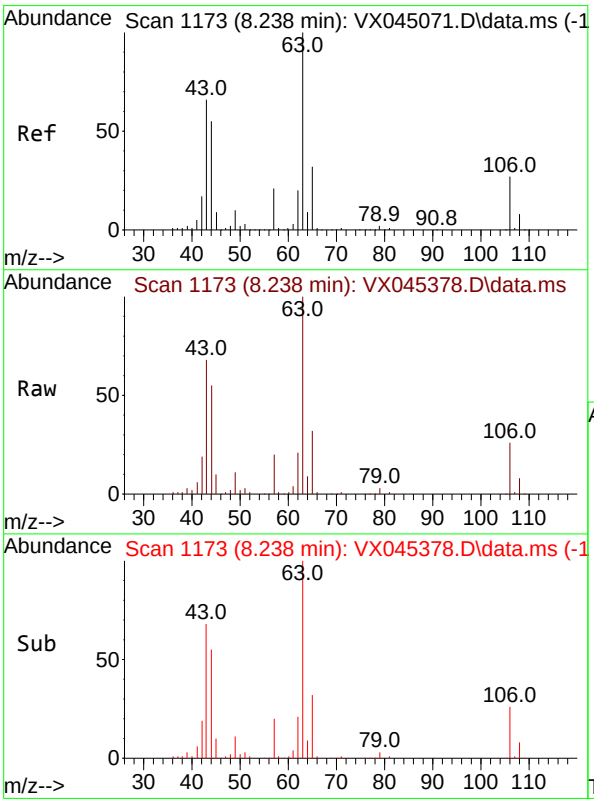
Ion	Ratio	Lower	Upper
76	100		
78	33.1	25.5	38.3



Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Manual Integrations
APPROVED

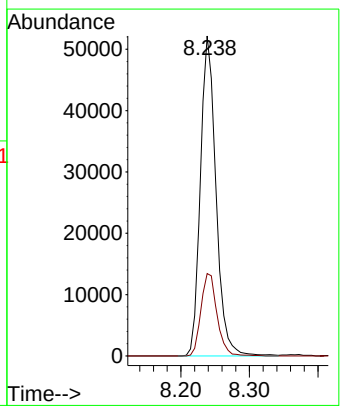
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

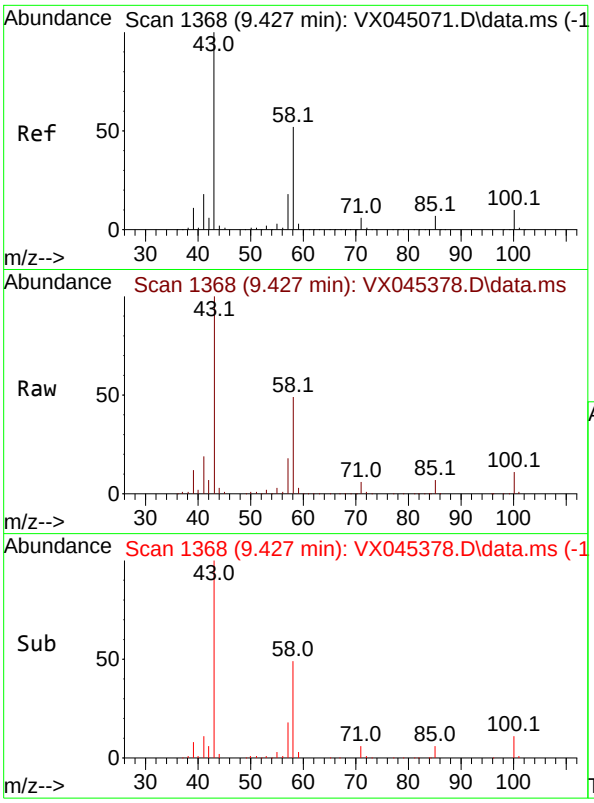


#58
2-Chloroethyl Vinyl ether
Concen: 92.534 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion: 63 Resp: 82742

Ion	Ratio	Lower	Upper
63	100		
106	26.5	21.5	32.3





#59
2-Hexanone
Concen: 106.568 ug/l
RT: 9.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

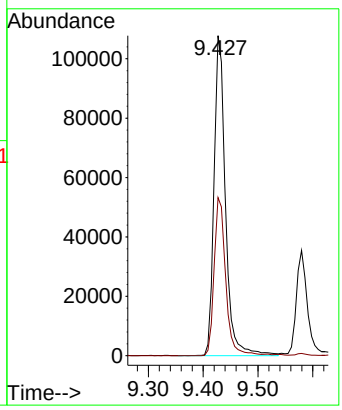
Tgt Ion: 43 Resp: 15618

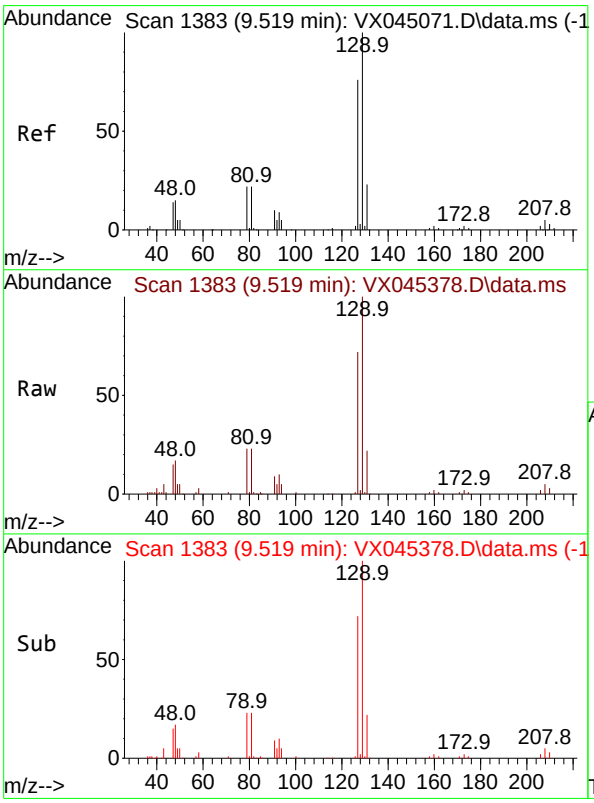
Ion	Ratio	Lower	Upper
43	100		
58	50.4	25.9	77.6

Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

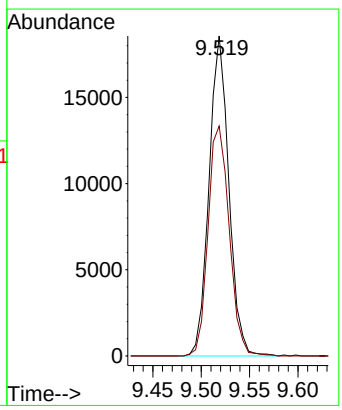


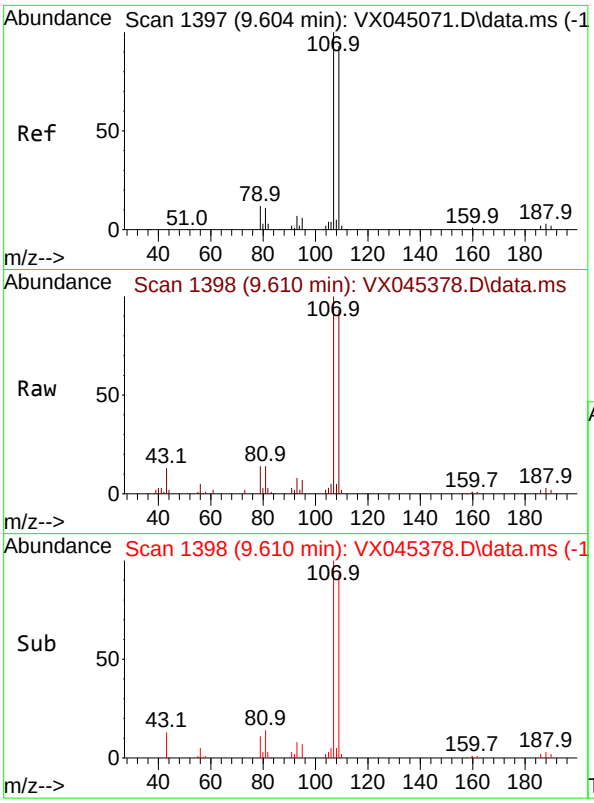


#60
Dibromochloromethane
Concen: 20.953 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion:129 Resp: 26419

Ion	Ratio	Lower	Upper
129	100		
127	76.8	38.5	115.5

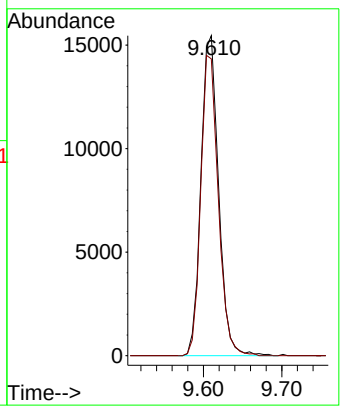




#61
1,2-Dibromoethane
Concen: 20.026 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion:107 Resp: 2410

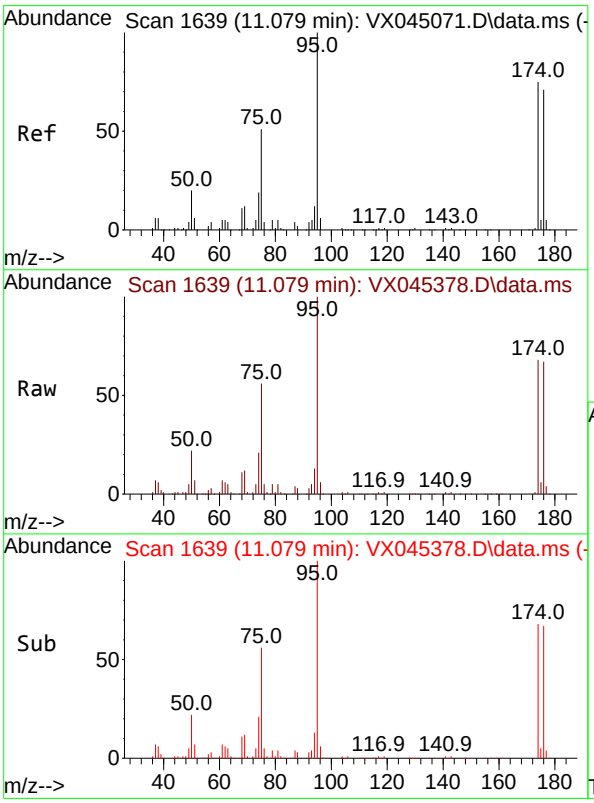
Ion	Ratio	Lower	Upper
107	100		
109	93.2	76.1	114.1



Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Manual Integrations
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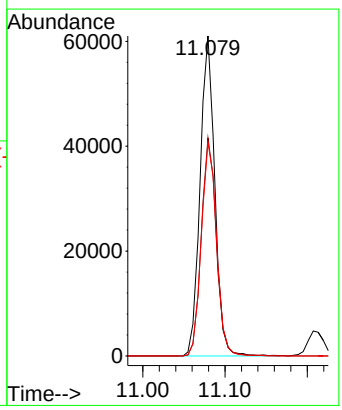
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

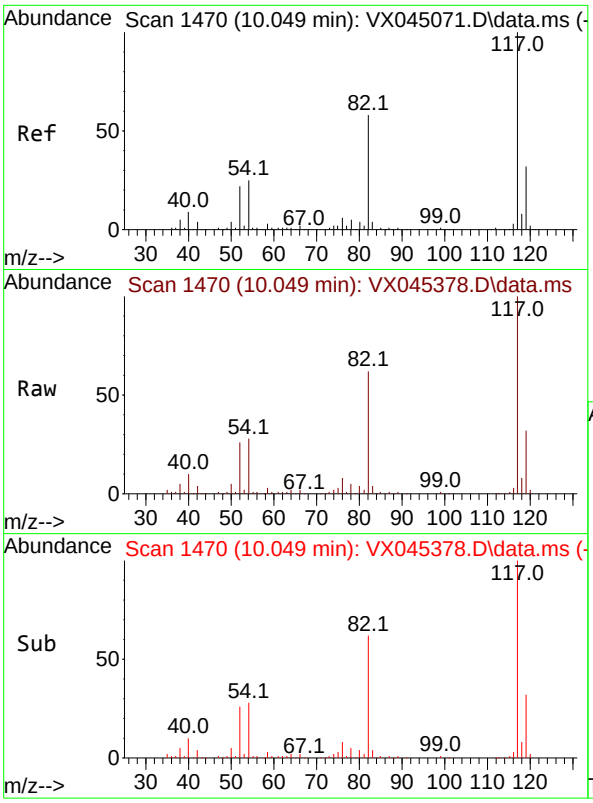


#62
4-Bromofluorobenzene
Concen: 54.664 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion: 95 Resp: 75709

Ion	Ratio	Lower	Upper
95	100		
174	69.4	0.0	148.2
176	69.3	0.0	141.4

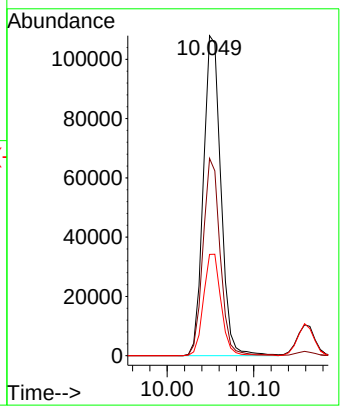




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion:117 Resp: 15157

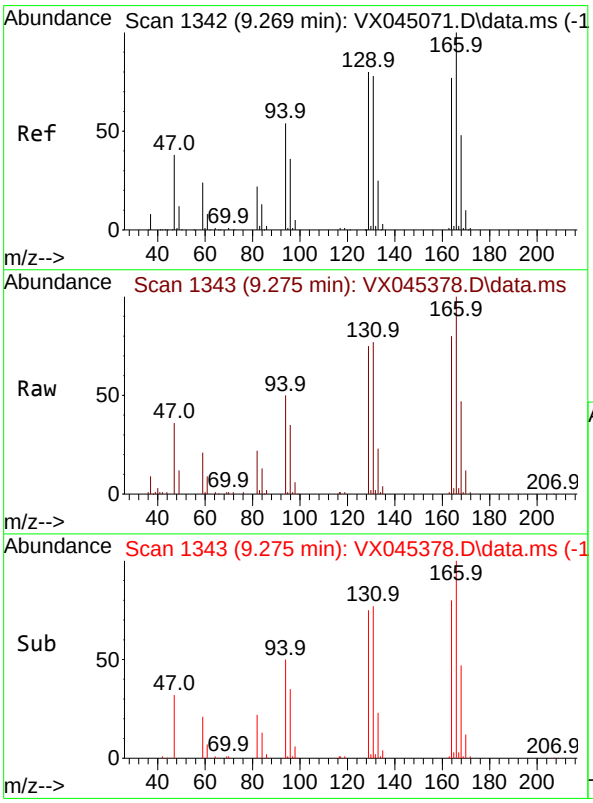
Ion	Ratio	Lower	Upper
117	100		
82	61.7	46.3	69.5
119	31.7	25.7	38.5



Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Manual Integrations
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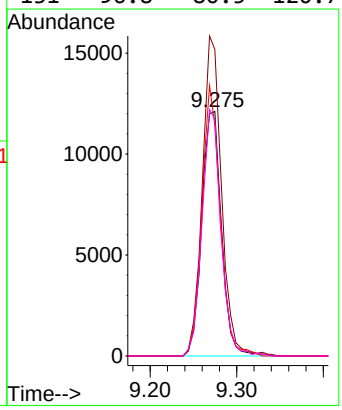
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

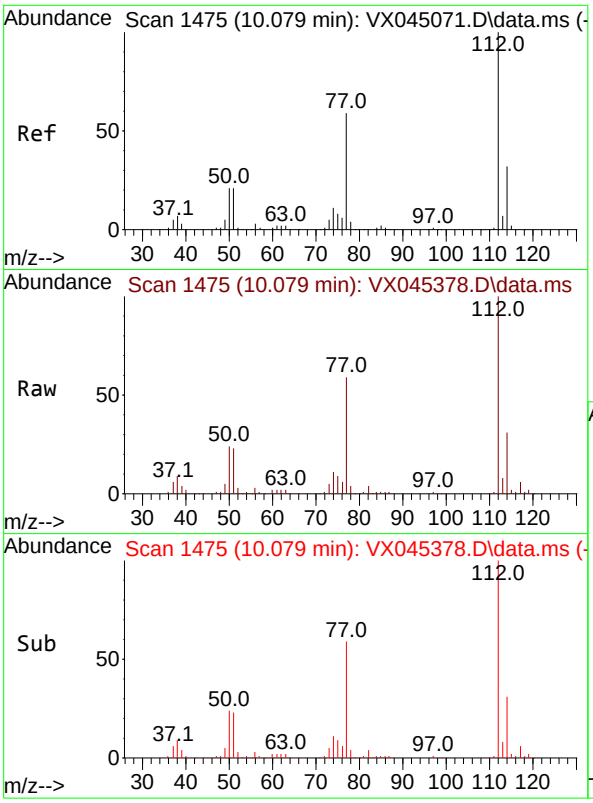


#64
Tetrachloroethene
Concen: 19.712 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.006 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion:164 Resp: 19136

Ion	Ratio	Lower	Upper
164	100		
166	125.4	103.6	155.4
129	94.1	82.7	124.1
131	96.8	80.5	120.7

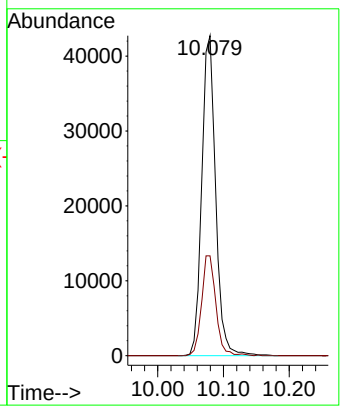




#65
Chlorobenzene
Concen: 19.520 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion:112 Resp: 6260

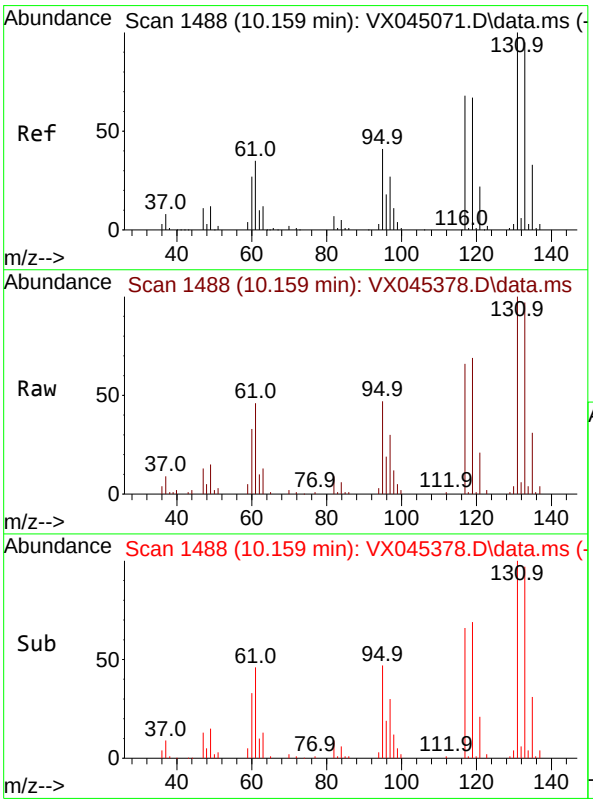
Ion	Ratio	Lower	Upper
112	100		
114	31.2	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Manual Integrations
APPROVED

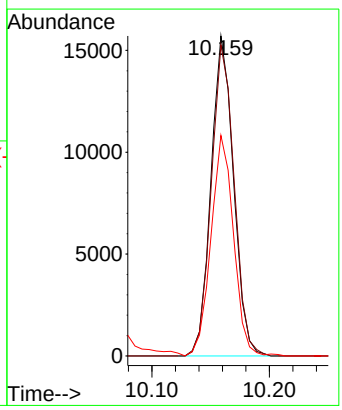
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

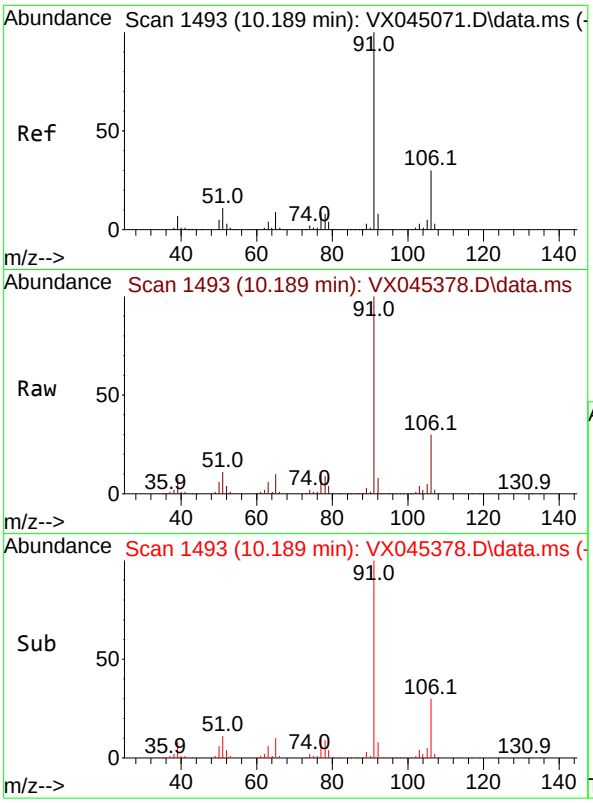


#66
1,1,1,2-Tetrachloroethane
Concen: 19.599 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion:131 Resp: 20934

Ion	Ratio	Lower	Upper
131	100		
133	98.8	48.6	145.9
119	68.9	33.9	101.7

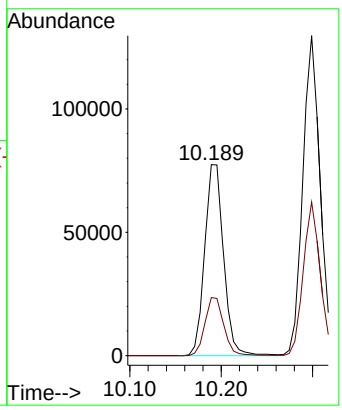




#67
Ethyl Benzene
Concen: 19.903 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion: 91 Resp: 11123

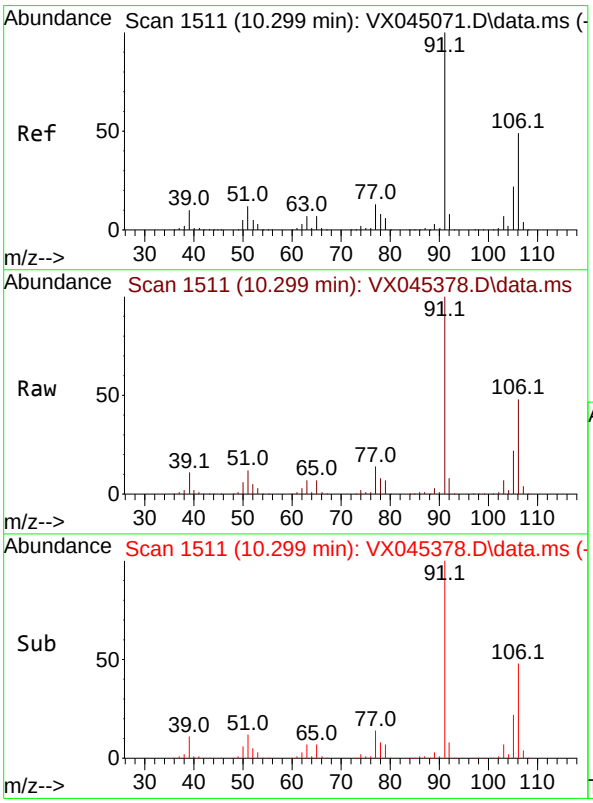
Ion	Ratio	Lower	Upper
91	100		
106	30.4	23.9	35.9



Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Manual Integrations
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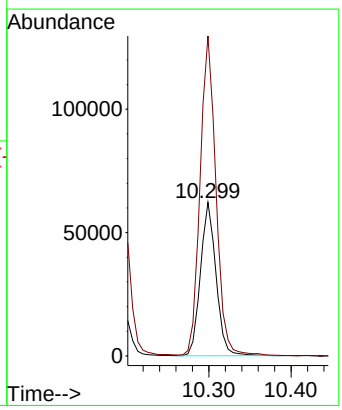
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

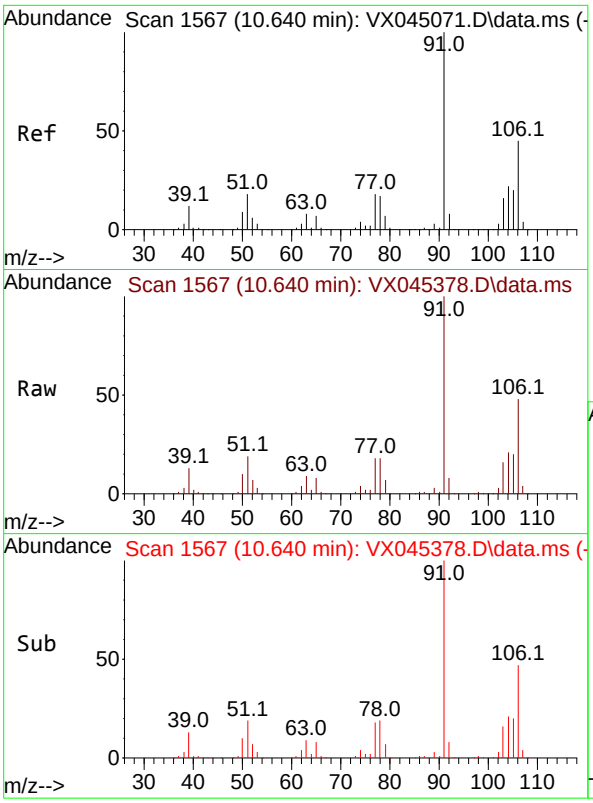


#68
m/p-Xylenes
Concen: 39.971 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion:106 Resp: 81773

Ion	Ratio	Lower	Upper
106	100		
91	213.2	165.4	248.0

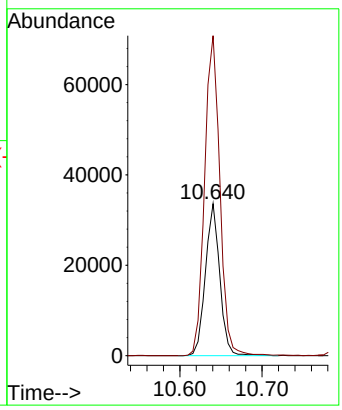




#69
o-Xylene
Concen: 19.764 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion:106 Resp: 4078

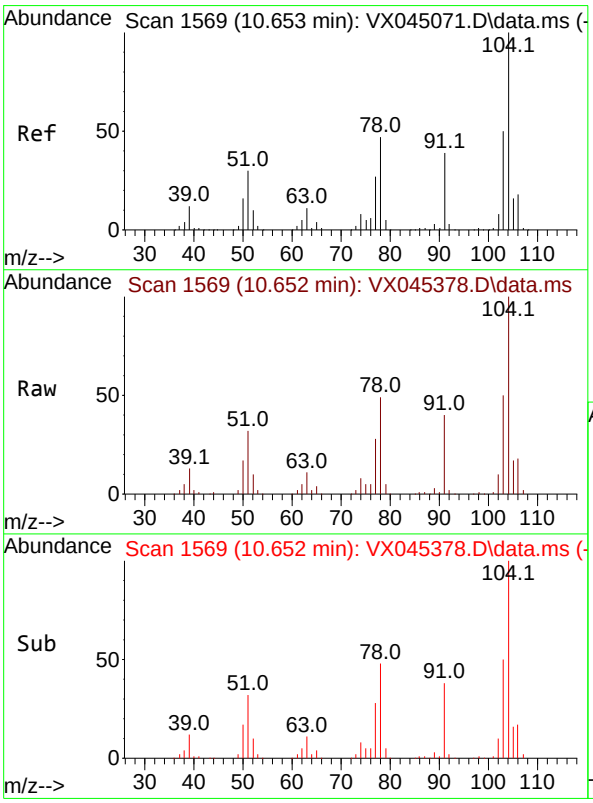
Ion	Ratio	Lower	Upper
106	100		
91	223.9	109.9	329.6



Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Manual Integrations
APPROVED

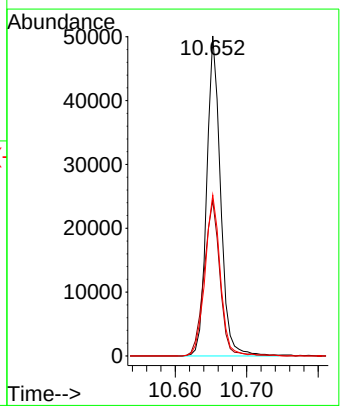
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

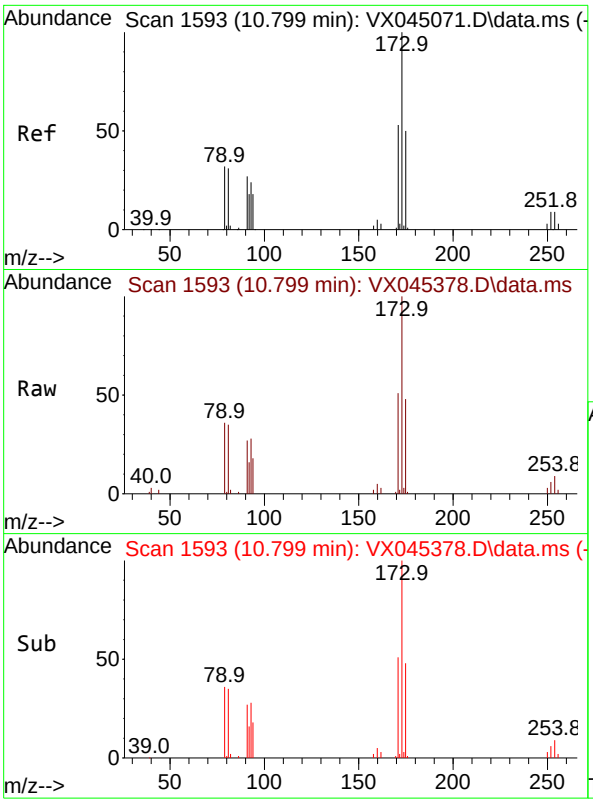


#70
Styrene
Concen: 20.243 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion:104 Resp: 67582

Ion	Ratio	Lower	Upper
104	100		
78	55.1	42.2	63.4
103	55.5	43.8	65.8





#71
Bromoform
Concen: 20.054 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

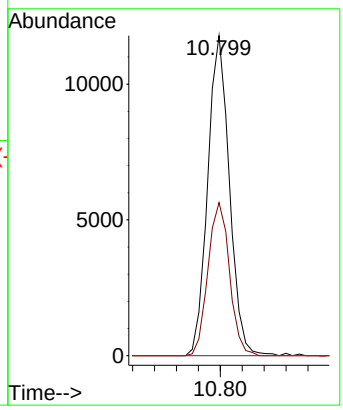
Tgt Ion:173 Resp: 1615

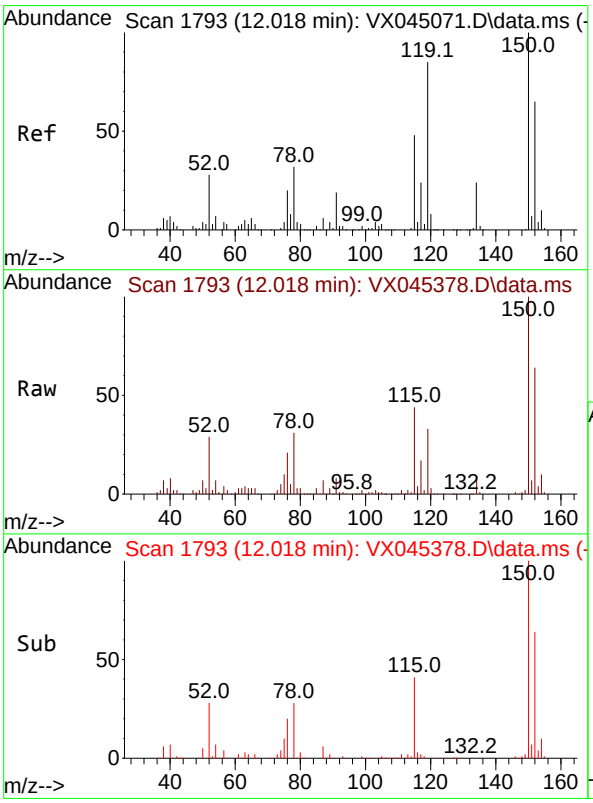
Ion	Ratio	Lower	Upper
173	100		
175	47.6	24.6	73.6
254	0.0	0.0	0.0

Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

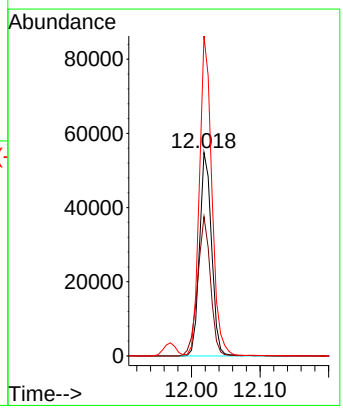


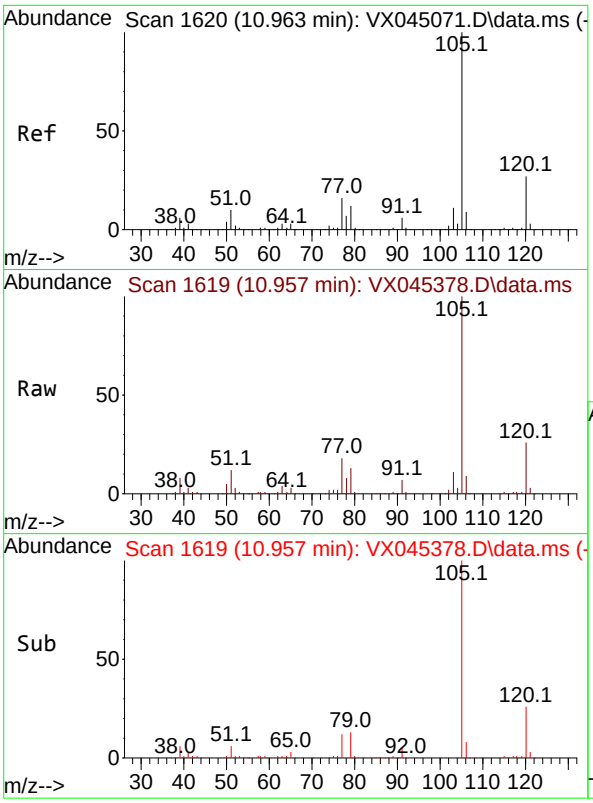


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion:152 Resp: 67294

Ion	Ratio	Lower	Upper
152	100		
115	73.2	44.2	132.6
150	162.4	0.0	349.0

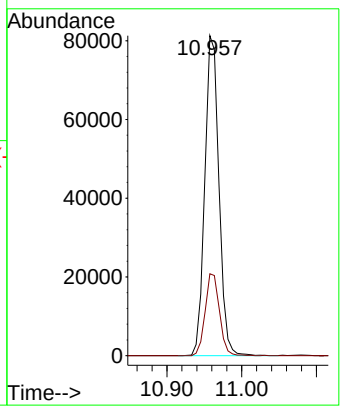




#73
Isopropylbenzene
Concen: 20.350 ug/l
RT: 10.957 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion:105 Resp: 10688

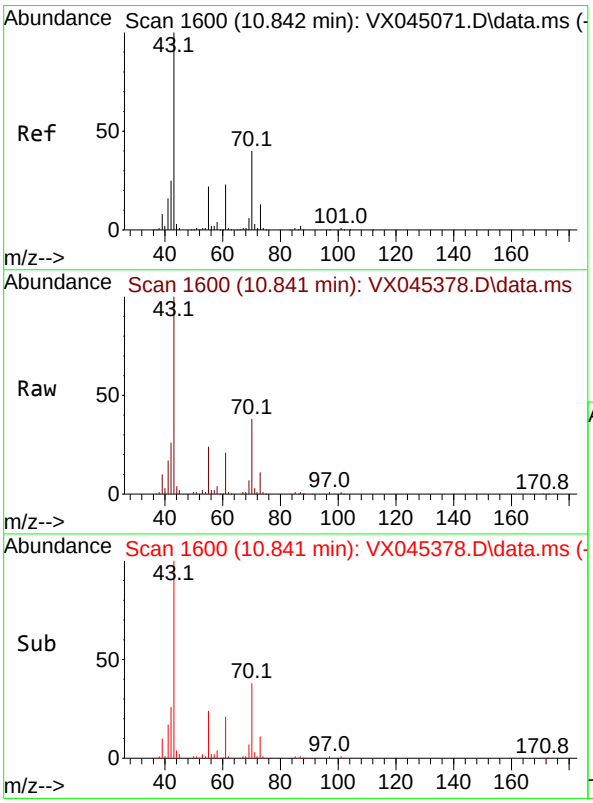
Ion	Ratio	Lower	Upper
105	100		
120	25.9	13.2	39.5



Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Manual Integrations
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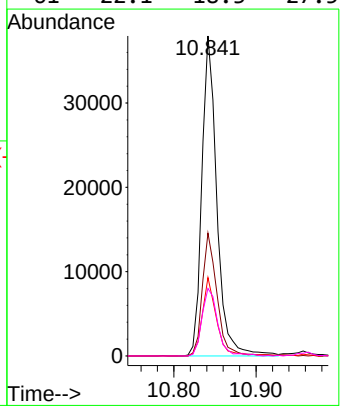
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

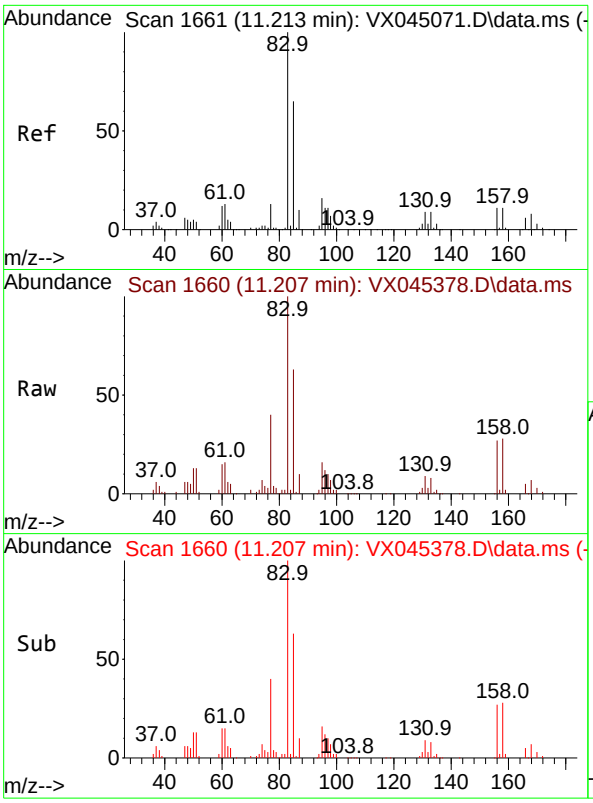


#74
N-amyl acetate
Concen: 19.624 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion: 43 Resp: 48367

Ion	Ratio	Lower	Upper
43	100		
70	37.5	31.8	47.6
55	23.3	18.3	27.5
61	22.1	18.3	27.5

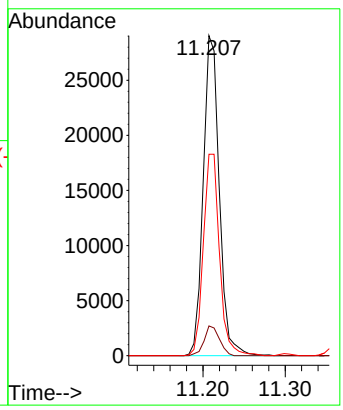




#75
1,1,2,2-Tetrachloroethane
Concen: 20.402 ug/l
RT: 11.207 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion: 83 Resp: 3932

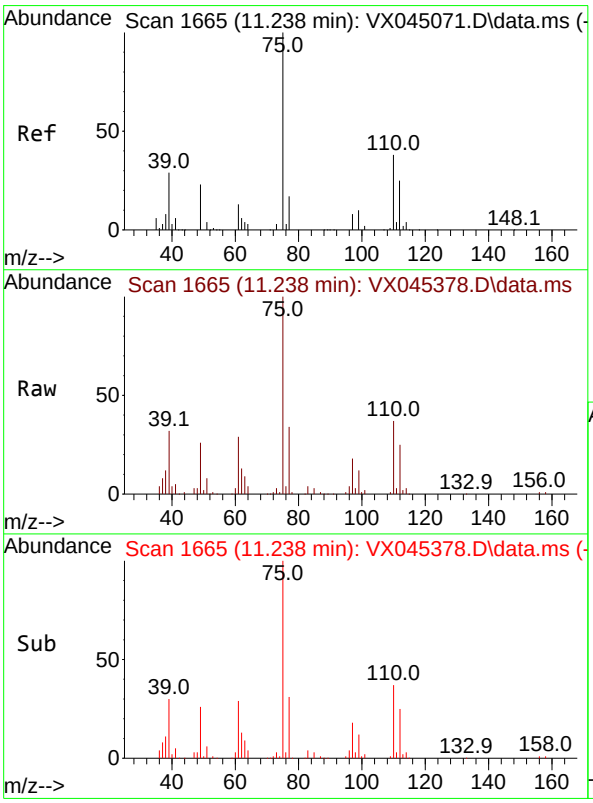
Ion	Ratio	Lower	Upper
83	100		
131	8.9	4.5	13.4
85	63.5	31.7	95.1



Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Manual Integrations
APPROVED

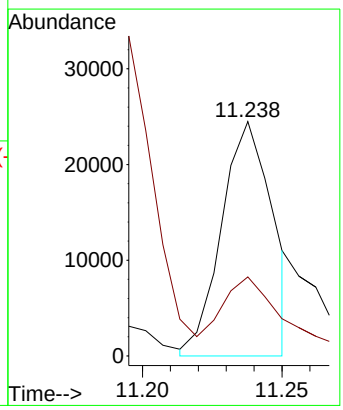
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

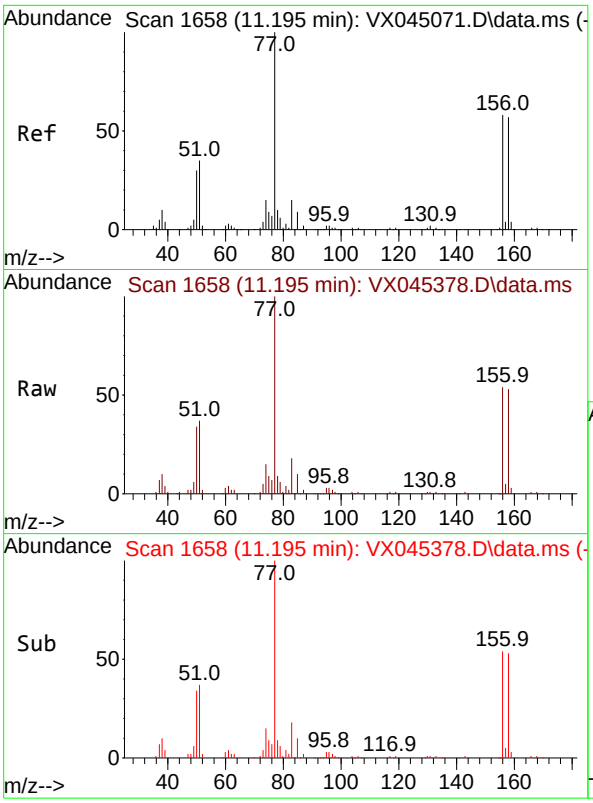


#76
1,2,3-Trichloropropane
Concen: 19.888 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion: 75 Resp: 31150

Ion	Ratio	Lower	Upper
75	100		
77	42.1	20.7	62.1

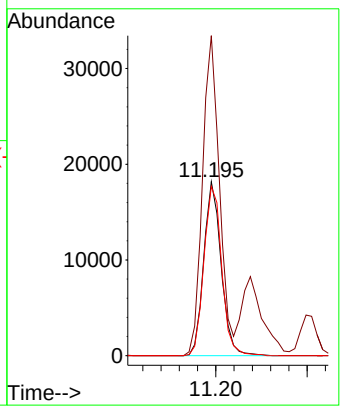




#77
Bromobenzene
Concen: 19.377 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion:156 Resp: 2401

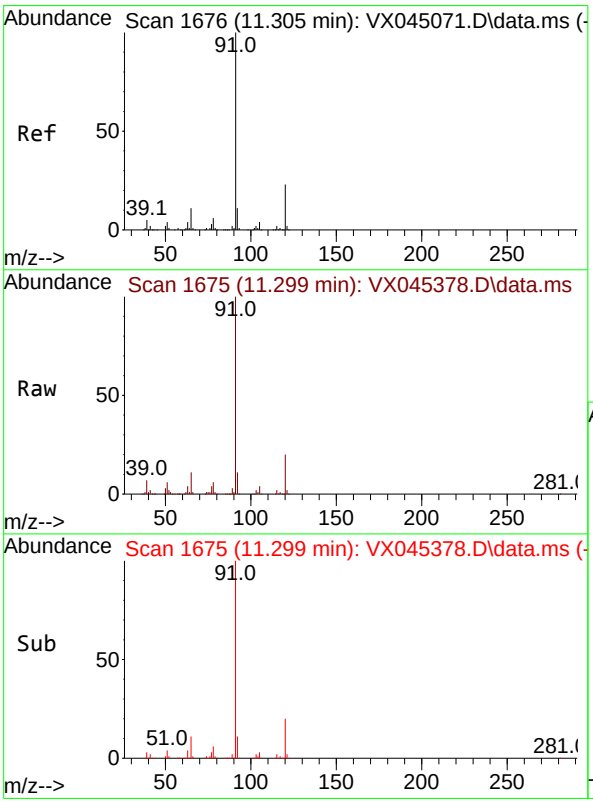
Ion	Ratio	Lower	Upper
156	100		
77	178.7	85.8	257.4
158	99.3	48.4	145.2



Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Manual Integrations
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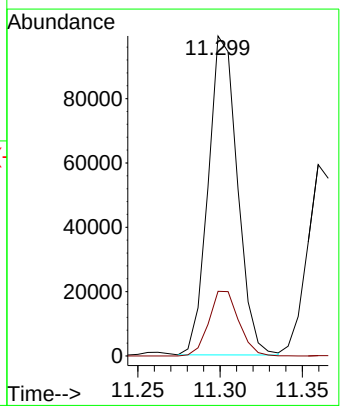
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

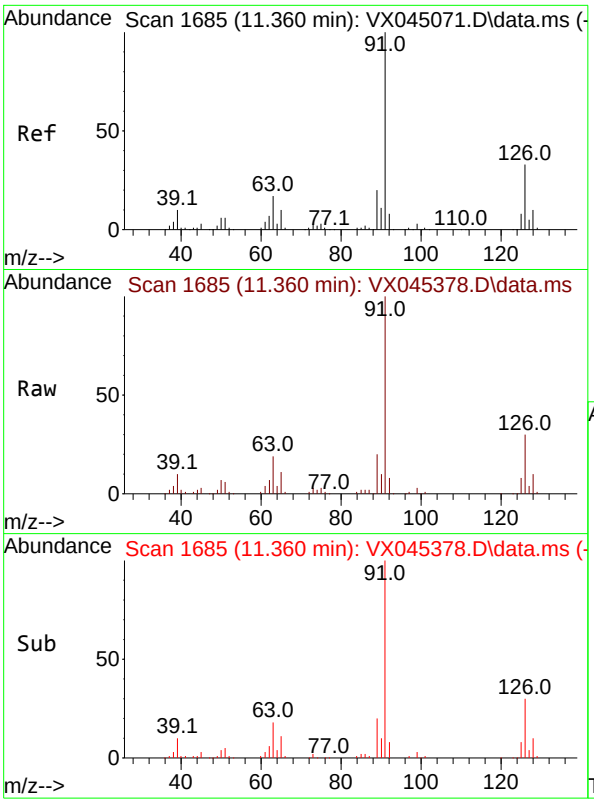


#78
n-propylbenzene
Concen: 20.684 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. -0.006 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion: 91 Resp: 122726

Ion	Ratio	Lower	Upper
91	100		
120	20.8	11.2	33.6

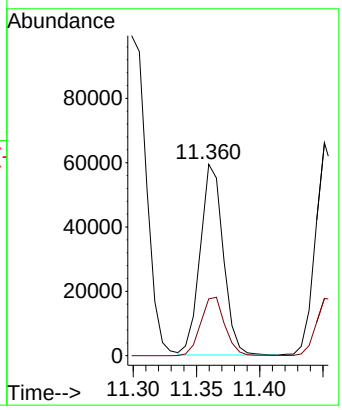




#79
2-Chlorotoluene
Concen: 19.953 ug/l
RT: 11.360 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion: 91 Resp: 7539

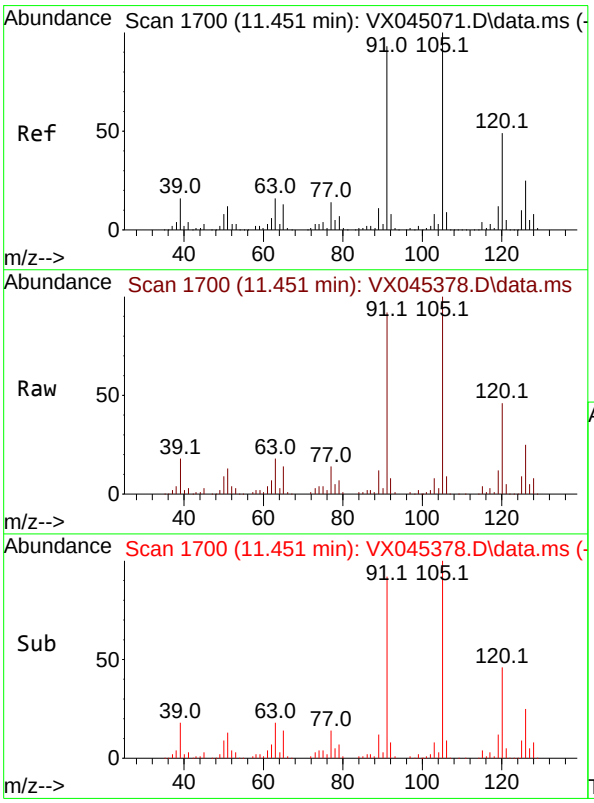
Ion	Ratio	Lower	Upper
91	100		
126	32.1	16.4	49.4



Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Manual Integrations
APPROVED

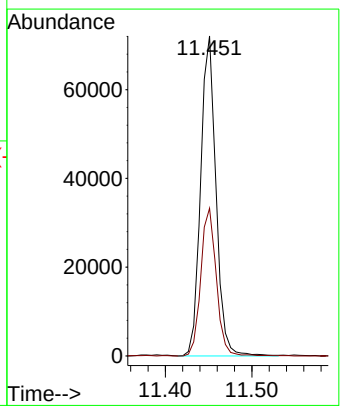
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

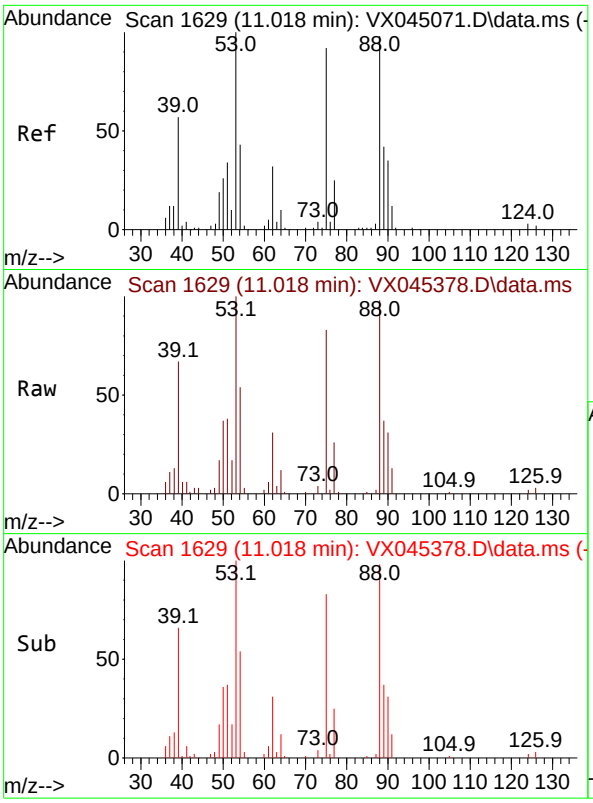


#80
1,3,5-Trimethylbenzene
Concen: 20.912 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion:105 Resp: 88815

Ion	Ratio	Lower	Upper
105	100		
120	46.7	24.1	72.2

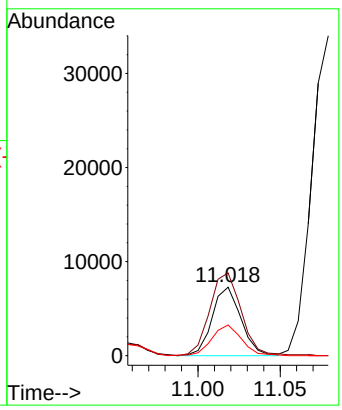




#81
trans-1,4-Dichloro-2-butene
Concen: 19.479 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion: 75 Resp: 891

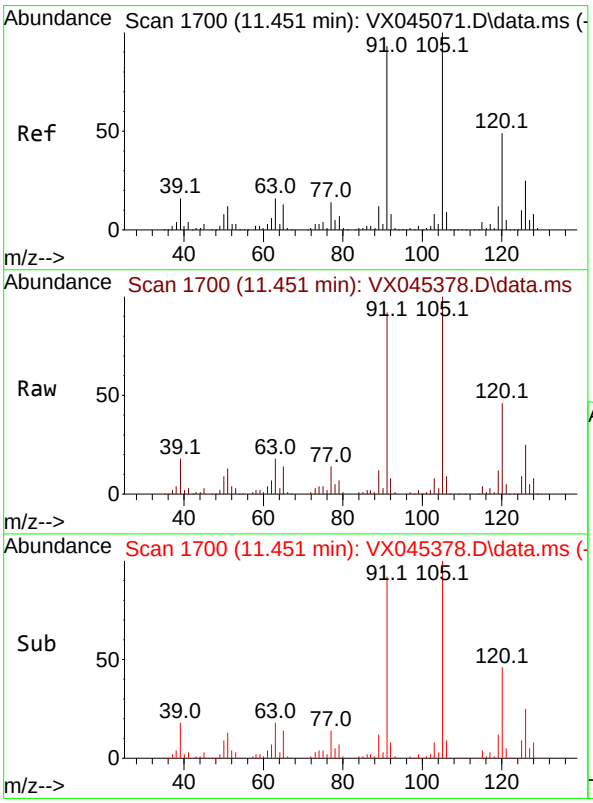
Ion	Ratio	Lower	Upper
75	100		
53	132.4	88.5	132.7
89	46.3	36.2	54.4



Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Manual Integrations
APPROVED

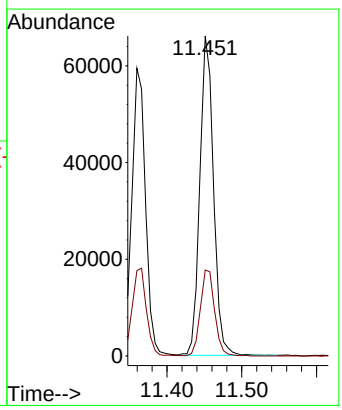
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

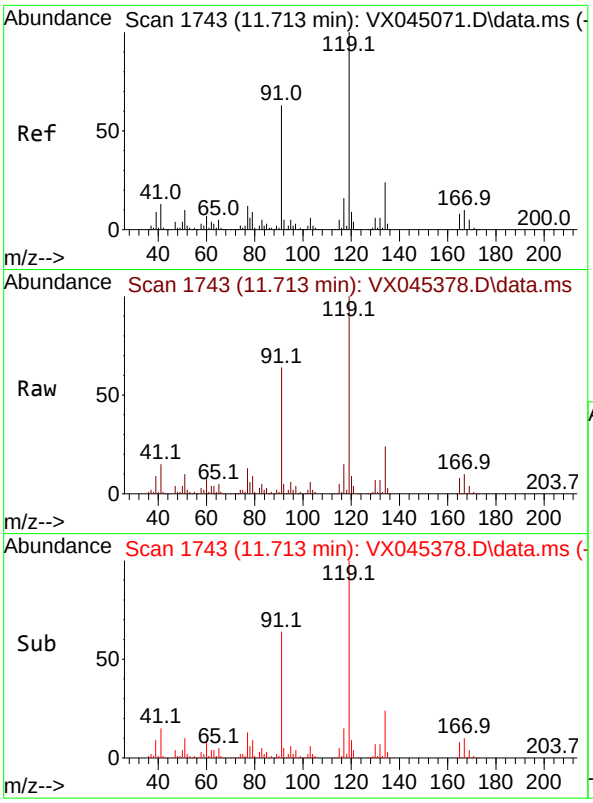


#82
4-Chlorotoluene
Concen: 20.369 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion: 91 Resp: 83886

Ion	Ratio	Lower	Upper
91	100		
126	28.2	14.1	42.4

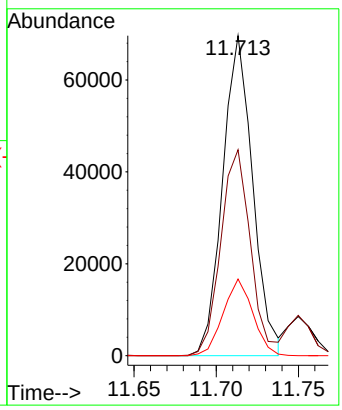




#83
tert-Butylbenzene
Concen: 20.315 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion:119 Resp: 8865

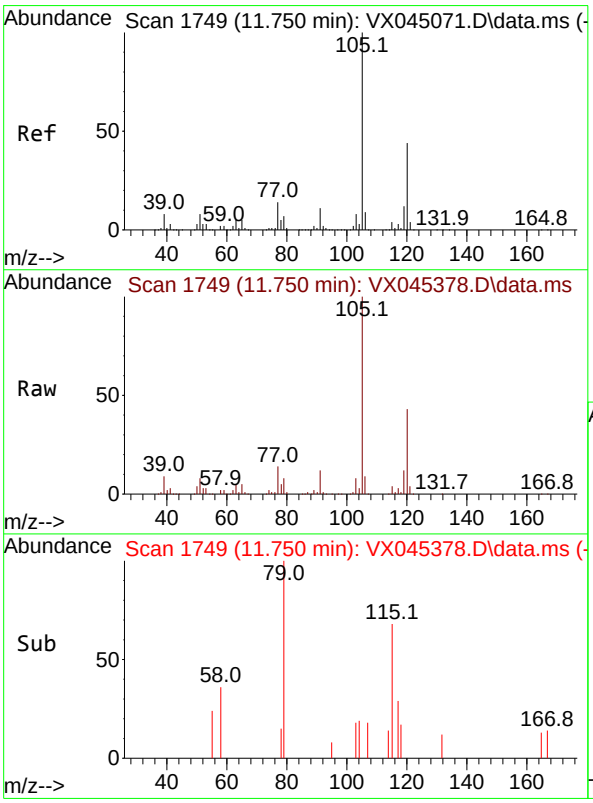
Ion	Ratio	Lower	Upper
119	100		
91	63.9	30.7	92.1
134	23.7	11.7	35.0



Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Manual Integrations
APPROVED

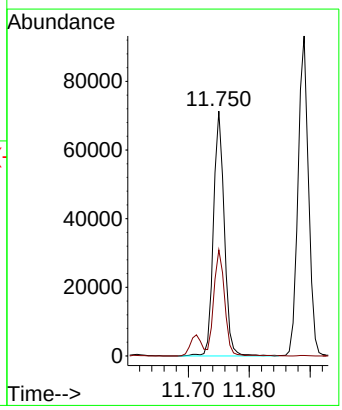
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

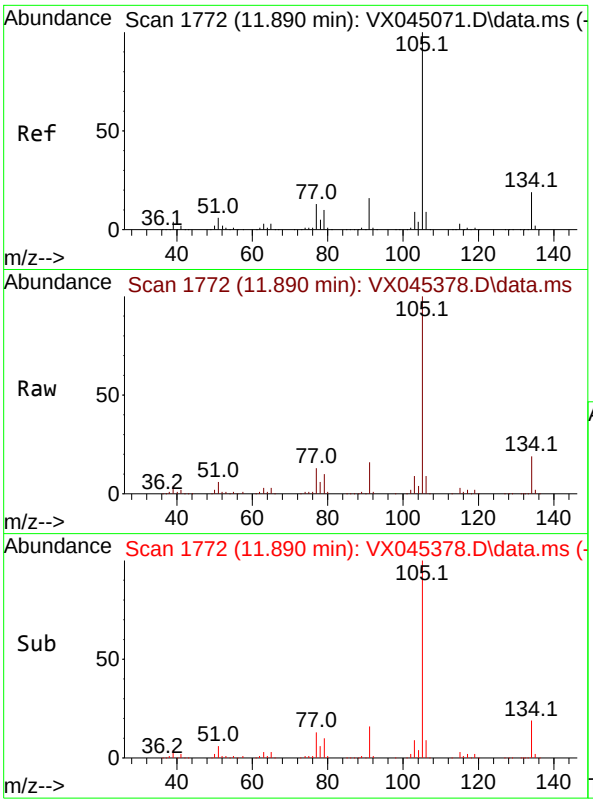


#84
1,2,4-Trimethylbenzene
Concen: 20.602 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion:105 Resp: 88039

Ion	Ratio	Lower	Upper
105	100		
120	41.9	22.1	66.1





#85
sec-Butylbenzene
Concen: 21.328 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

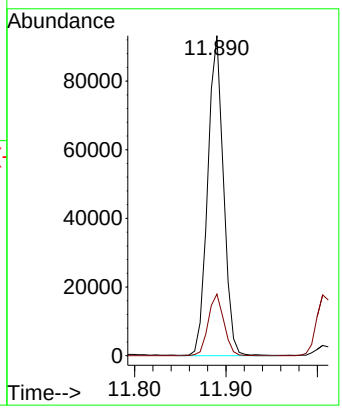
Tgt Ion:105 Resp: 11148

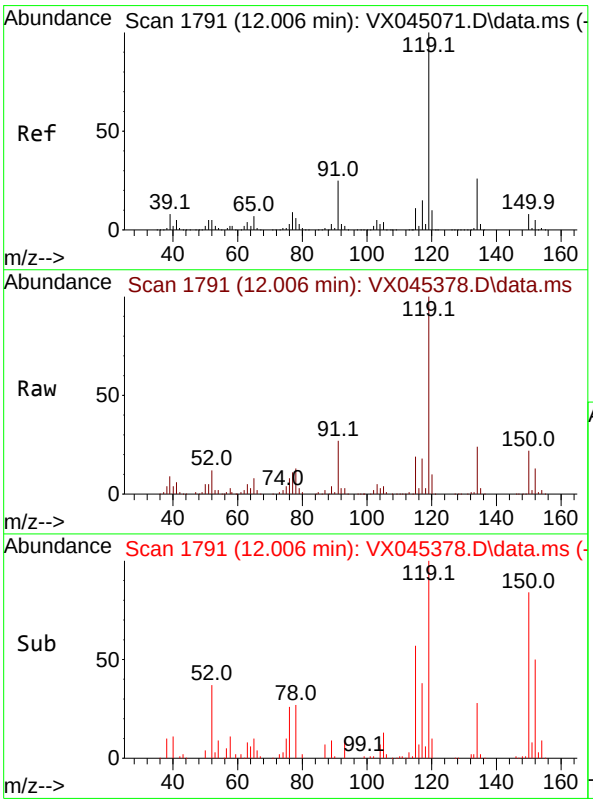
Ion	Ratio	Lower	Upper
105	100		
134	19.1	9.8	29.4

Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

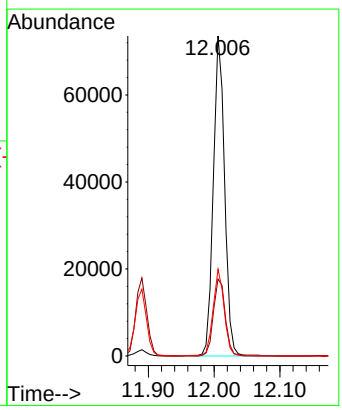


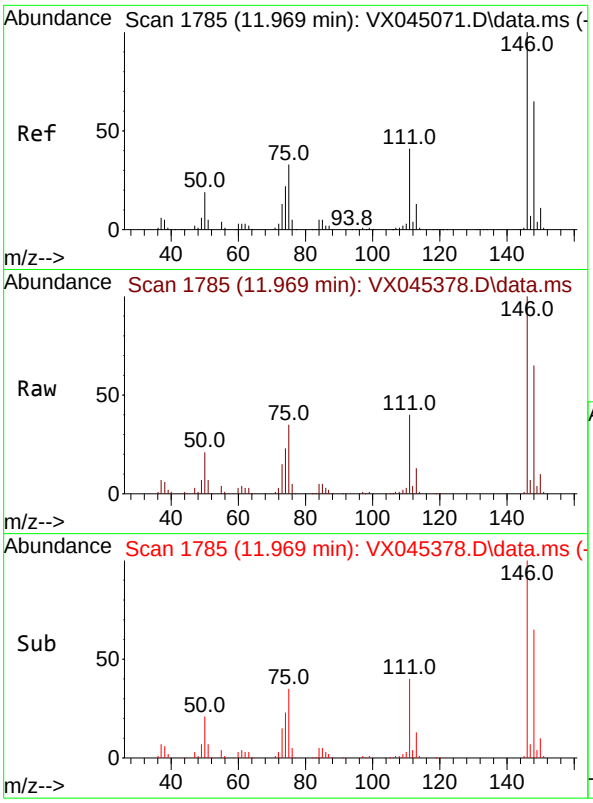


#86
p-Isopropyltoluene
Concen: 20.779 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion:119 Resp: 87777

Ion	Ratio	Lower	Upper
119	100		
134	25.2	12.9	38.6
91	26.5	12.7	38.0

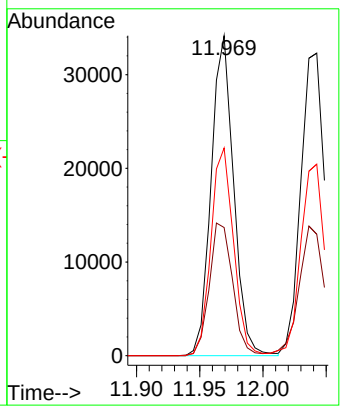




#87
1,3-Dichlorobenzene
Concen: 19.118 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion:146 Resp: 4226

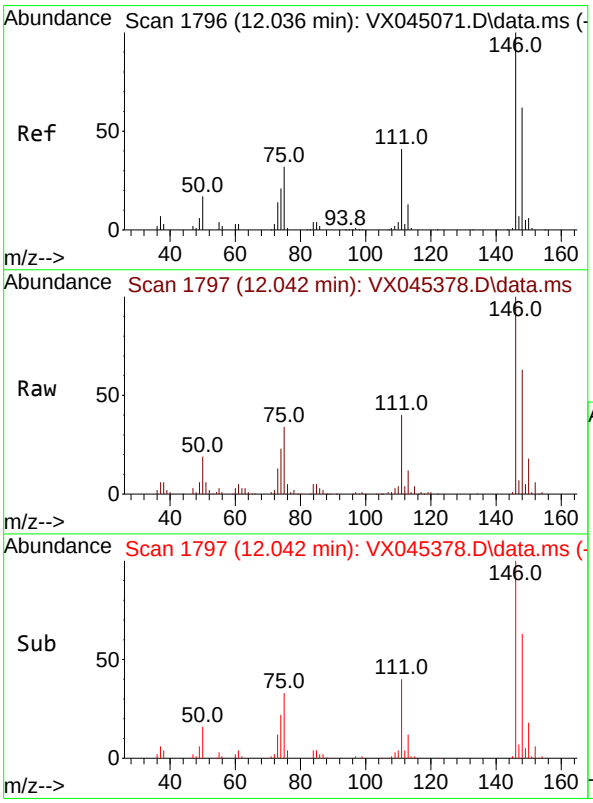
Ion	Ratio	Lower	Upper
146	100		
111	42.9	21.1	63.4
148	65.1	31.9	95.7



Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Manual Integrations
APPROVED

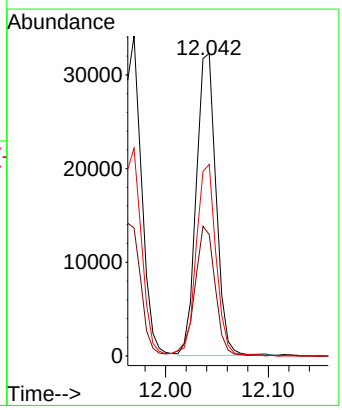
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

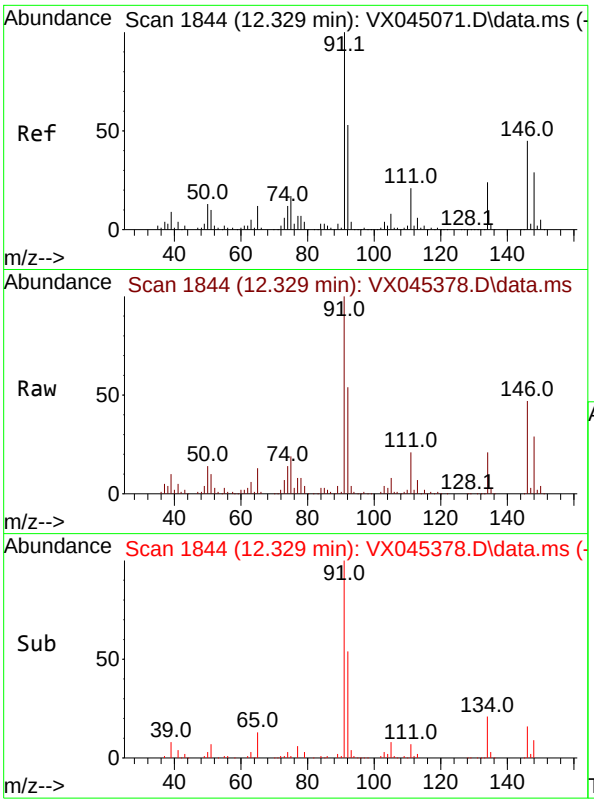


#88
1,4-Dichlorobenzene
Concen: 19.286 ug/l
RT: 12.042 min Scan# 1797
Delta R.T. 0.006 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion:146 Resp: 43137

Ion	Ratio	Lower	Upper
146	100		
111	43.5	20.2	60.5
148	64.2	31.9	95.9

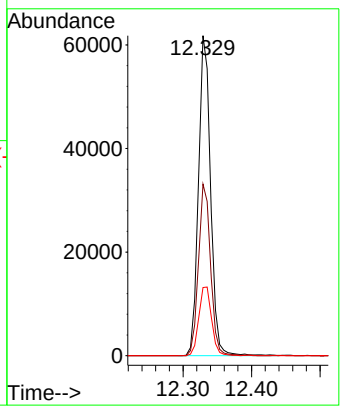




#89
n-Butylbenzene
Concen: 20.885 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion: 91 Resp: 7598

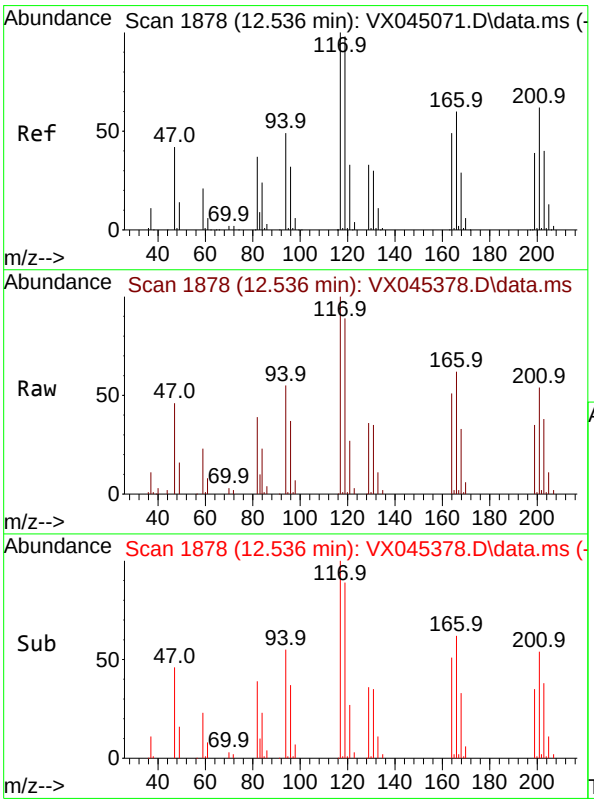
Ion	Ratio	Lower	Upper
91	100		
92	53.6	26.7	80.0
134	22.7	12.2	36.6



Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Manual Integrations
APPROVED

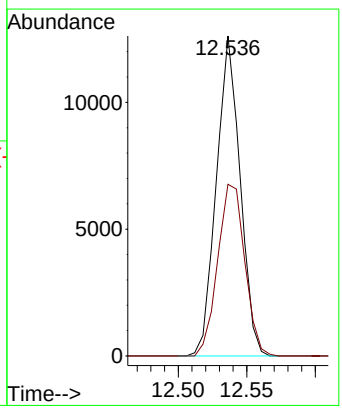
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

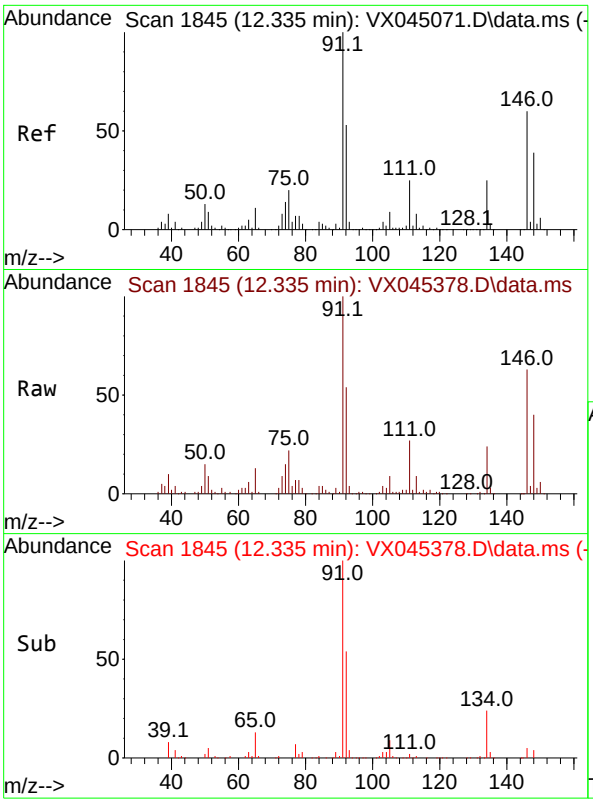


#90
Hexachloroethane
Concen: 19.850 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion:117 Resp: 15167

Ion	Ratio	Lower	Upper
117	100		
201	61.4	31.9	95.9

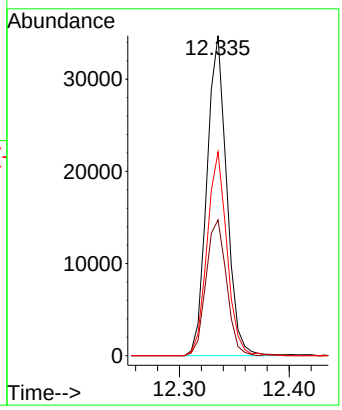




#91
1,2-Dichlorobenzene
Concen: 19.630 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion:146 Resp: 4353

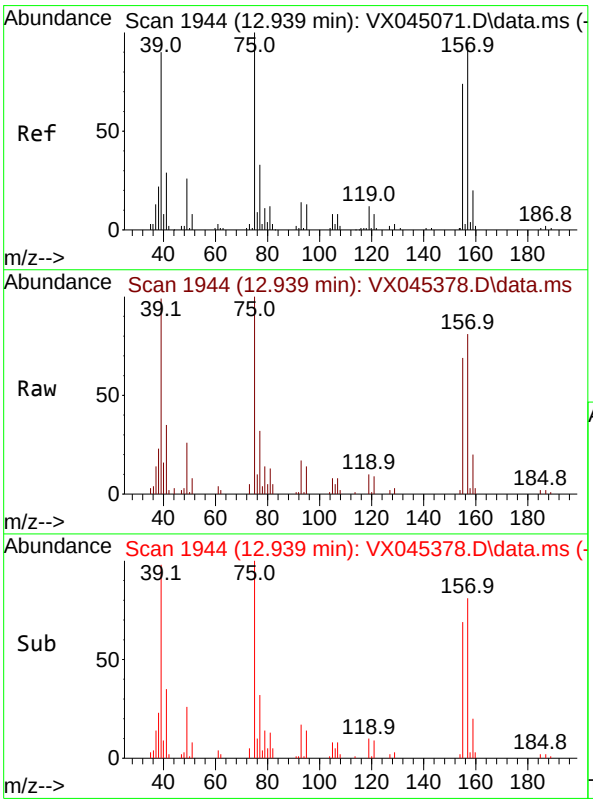
Ion	Ratio	Lower	Upper
146	100		
111	43.9	21.6	65.0
148	64.0	31.9	95.9



Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Manual Integrations
APPROVED

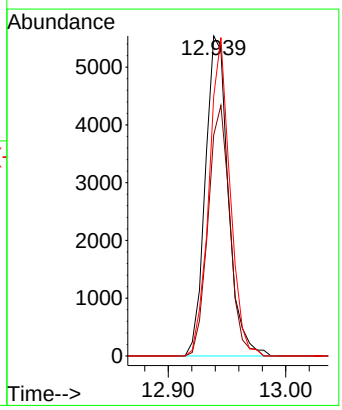
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

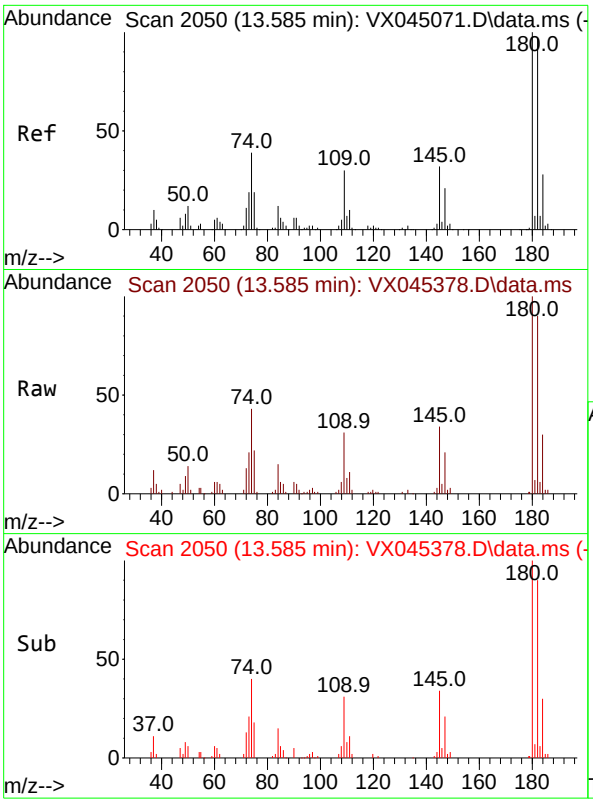


#92
1,2-Dibromo-3-Chloropropane
Concen: 19.952 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion: 75 Resp: 7492

Ion	Ratio	Lower	Upper
75	100		
155	74.4	39.6	118.7
157	91.2	51.1	153.4

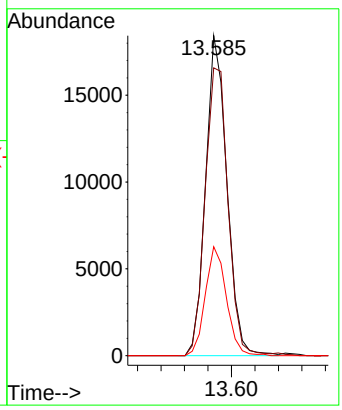




#93
1,2,4-Trichlorobenzene
Concen: 18.403 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion:180 Resp: 2323

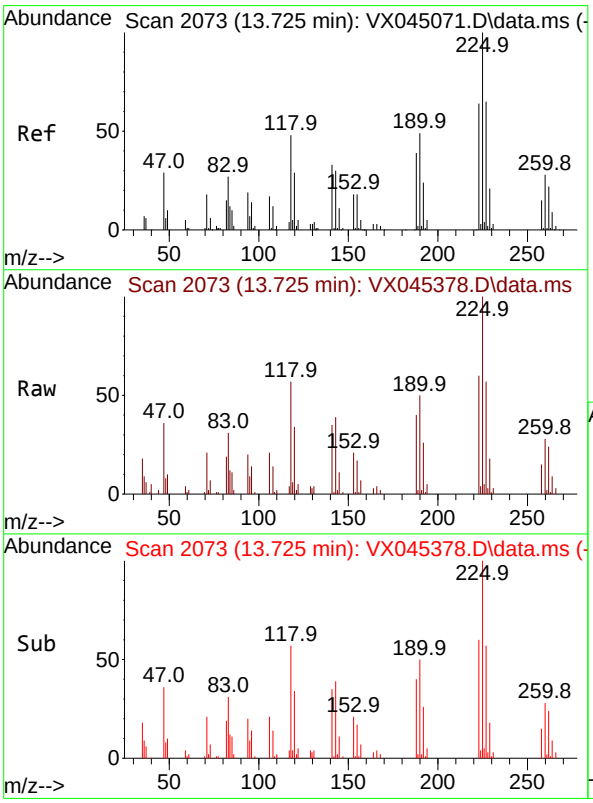
Ion	Ratio	Lower	Upper
180	100		
182	96.9	47.3	141.9
145	33.7	16.3	48.9



Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Manual Integrations
APPROVED

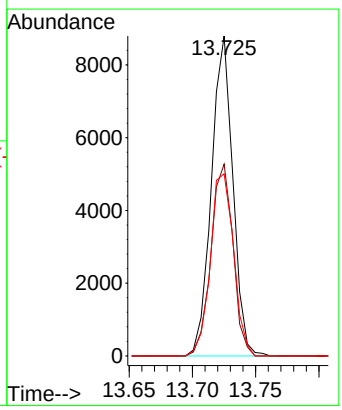
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

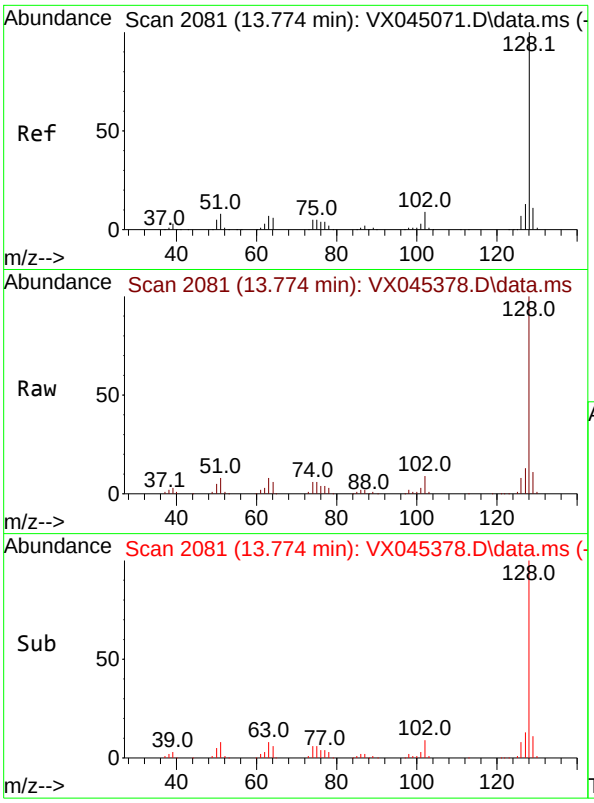


#94
Hexachlorobutadiene
Concen: 19.997 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion:225 Resp: 10353

Ion	Ratio	Lower	Upper
225	100		
223	61.4	31.9	95.7
227	61.9	31.4	94.0

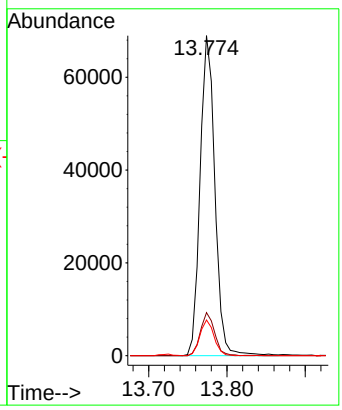




#95
Naphthalene
Concen: 18.655 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion:128 Resp: 9051

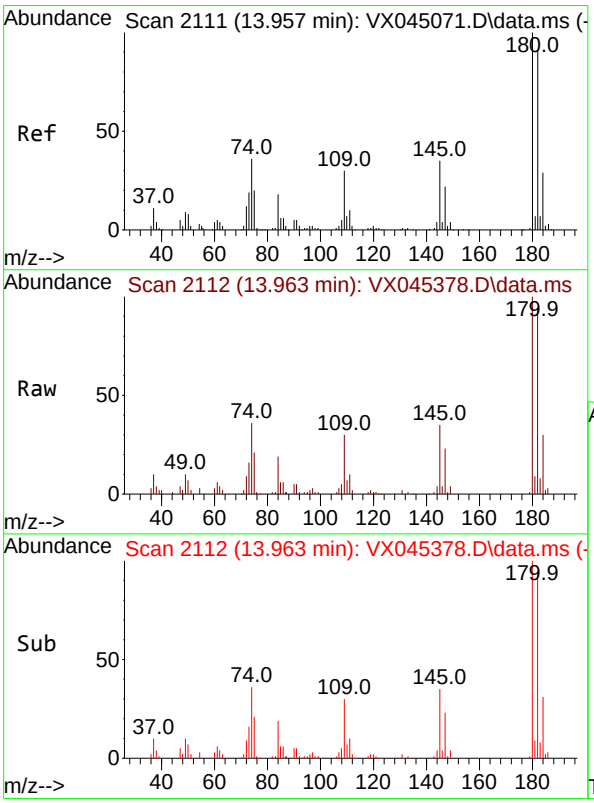
Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.3	15.5
129	10.6	8.7	13.1



Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Manual Integrations
APPROVED

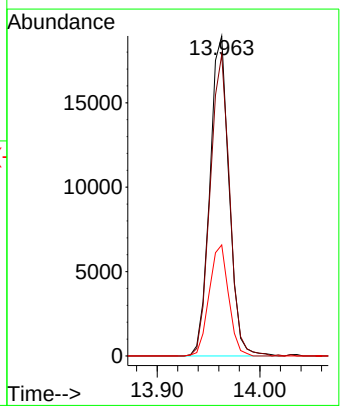
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025



#96
1,2,3-Trichlorobenzene
Concen: 18.526 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.006 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion:180 Resp: 24680

Ion	Ratio	Lower	Upper
180	100		
182	95.0	47.5	142.6
145	35.1	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:	VX0324WBS01	SDG No.:	Q1608
Lab Sample ID:	VX0324WBS01	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
VX045406.D	1		03/24/25 11:42	VX032425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	17.8		0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	14.6		0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	14.8		0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	18.0		1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	19.0		0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	18.5		0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	20.7		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	97.3		1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	13.9		0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	19.7		0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	27.0		0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	18.5		0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	18.2		0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	19.6		0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	17.8		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	20.7		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	19.4		0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	21.2		0.22	0.50	1.00	ug/L
67-66-3	Chloroform	20.4		0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	20.4		0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	19.2		0.16	0.50	1.00	ug/L
71-43-2	Benzene	19.4		0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	21.8		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	19.9		0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	20.9		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	20.0		0.14	0.50	1.00	ug/L

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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:	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	
Client Sample ID:	VX0324WBS01	SDG No.:	Q1608
Lab Sample ID:	VX0324WBS01	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
VX045406.D	1		03/24/25 11:42	VX032425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	20.8		0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	21.0		0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	21.3		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	20.8		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	20.2		0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	19.8		0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	19.9		0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	39.9		0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	19.7		0.12	0.50	1.00	ug/L
100-42-5	Styrene	20.0		0.15	0.50	1.00	ug/L
75-25-2	Bromoform	20.4		0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	21.2		0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	20.8		0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	19.6		0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	19.4		0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	20.0		0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	21.2		0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	18.2		0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	18.6		0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	57.1		81 - 118		114%	SPK: 50
1868-53-7	Dibromofluoromethane	56.2		80 - 119		112%	SPK: 50
2037-26-5	Toluene-d8	52.6		89 - 112		105%	SPK: 50
460-00-4	4-Bromofluorobenzene	55.9		85 - 114		112%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	94000	5.543				
540-36-3	1,4-Difluorobenzene	166000	6.756				
3114-55-4	Chlorobenzene-d5	146000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	63500	12.018				

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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:	VX0324WBS01	SDG No.:	Q1608
Lab Sample ID:	VX0324WBS01	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
VX045406.D	1		03/24/25 11:42	VX032425

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\VX032425\
Data File : VX045406.D
Acq On : 24 Mar 2025 11:42
Operator : JC/MD
Sample : VX0324WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 25 01:30:09 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 :
VX0324WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 03/25/2025
Supervised By :Mahesh Dadoda 03/25/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.543	168	93978	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.756	114	165678	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	146061	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	63508	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	85282	57.050	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 114.100%			
35) Dibromofluoromethane	5.379	113	62255	56.195	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 112.380%			
50) Toluene-d8	8.646	98	211080	52.555	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 105.120%			
62) 4-Bromofluorobenzene	11.079	95	74334	55.853	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 111.700%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	21073	17.814	ug/l	92
3) Chloromethane	1.306	50	21171	14.624	ug/l	100
4) Vinyl Chloride	1.373	62	21189	14.754	ug/l	95
5) Bromomethane	1.593	94	10183	18.037	ug/l	100
6) Chloroethane	1.666	64	12585	18.998	ug/l	96
7) Trichlorofluoromethane	1.873	101	35206	18.518	ug/l	99
8) Diethyl Ether	2.135	74	12371	16.636	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.318	101	22643	20.730	ug/l	98
10) Methyl Iodide	2.446	142	25555	18.722	ug/l	97
11) Tert butyl alcohol	2.977	59	22825	80.611	ug/l	95
12) 1,1-Dichloroethene	2.312	96	20601	17.840	ug/l	97
13) Acrolein	2.239	56	30584	93.440	ug/l	98
14) Allyl chloride	2.660	41	40021	19.469	ug/l	93
15) Acrylonitrile	3.062	53	75625	99.654	ug/l	99
16) Acetone	2.385	43	67463	97.269	ug/l	97
17) Carbon Disulfide	2.501	76	42607	13.853	ug/l	100
18) Methyl Acetate	2.702	43	44967	26.951	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	76261	19.684	ug/l	98
20) Methylene Chloride	2.788	84	25350	18.451	ug/l	94
21) trans-1,2-Dichloroethene	3.086	96	20756	18.193	ug/l	93
22) Diisopropyl ether	3.757	45	82111	19.641	ug/l #	75
23) Vinyl Acetate	3.720	43	333749	95.666	ug/l	98
24) 1,1-Dichloroethane	3.605	63	45808	19.552	ug/l	98
25) 2-Butanone	4.562	43	108253	103.691	ug/l	99
26) 2,2-Dichloropropane	4.470	77	31321	28.501	ug/l	94
27) cis-1,2-Dichloroethene	4.489	96	27318	19.397	ug/l	93
28) Bromochloromethane	4.891	49	23621	21.152	ug/l	98
29) Tetrahydrofuran	5.007	42	68608	97.859	ug/l	99
30) Chloroform	5.092	83	47564	20.432	ug/l	98
31) Cyclohexane	5.464	56	36156	17.778	ug/l	97
32) 1,1,1-Trichloroethane	5.379	97	38377	20.411	ug/l	97
36) 1,1-Dichloropropene	5.690	75	28347	18.658	ug/l	98
37) Ethyl Acetate	4.720	43	37903	19.361	ug/l	99
38) Carbon Tetrachloride	5.671	117	31973	20.729	ug/l	99
39) Methylcyclohexane	7.378	83	35038	19.247	ug/l	97
40) Benzene	6.037	78	93297	19.447	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032425\
Data File : VX045406.D
Acq On : 24 Mar 2025 11:42
Operator : JC/MD
Sample : VX0324WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 25 01:30:09 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 :
VX0324WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 03/25/2025
Supervised By :Mahesh Dadoda 03/25/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.915	41	22241	21.010	ug/l		95
42) 1,2-Dichloroethane	6.086	62	37584	21.755	ug/l		98
43) Isopropyl Acetate	6.342	43	60236	20.808	ug/l		98
44) Trichloroethene	7.128	130	21942	19.478	ug/l		97
45) 1,2-Dichloropropane	7.427	63	24500	19.862	ug/l		98
46) Dibromomethane	7.580	93	17866	20.492	ug/l		97
47) Bromodichloromethane	7.817	83	35799	20.933	ug/l		99
48) Methyl methacrylate	7.695	41	30664	21.113	ug/l		95
49) 1,4-Dioxane	7.665	88	10866	354.685	ug/l		93
51) 4-Methyl-2-Pentanone	8.573	43	211104	108.606	ug/l		99
52) Toluene	8.713	92	56190	19.962	ug/l		99
53) t-1,3-Dichloropropene	8.976	75	29674	20.756	ug/l		91
54) cis-1,3-Dichloropropene	8.366	75	35002	20.995	ug/l		92
55) 1,1,2-Trichloroethane	9.152	97	24660	21.281	ug/l		97
56) Ethyl methacrylate	9.116	69	35770	20.307	ug/l		95
57) 1,3-Dichloropropane	9.305	76	41448	20.668	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.238	63	84723	98.601	ug/l		98
59) 2-Hexanone	9.427	43	153010	108.646	ug/l		98
60) Dibromochloromethane	9.518	129	25261	20.849	ug/l		99
61) 1,2-Dibromoethane	9.610	107	23583	20.386	ug/l		99
64) Tetrachloroethene	9.274	164	18915	20.220	ug/l		91
65) Chlorobenzene	10.079	112	61196	19.801	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.158	131	20888	20.295	ug/l		97
67) Ethyl Benzene	10.189	91	107297	19.924	ug/l		100
68) m/p-Xylenes	10.299	106	78719	39.931	ug/l		96
69) o-Xylene	10.640	106	39204	19.718	ug/l		99
70) Styrene	10.652	104	64466	20.038	ug/l		98
71) Bromoform	10.798	173	15824	20.388	ug/l	#	98
73) Isopropylbenzene	10.963	105	105292	21.241	ug/l		98
74) N-amyl acetate	10.841	43	45575	19.594	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.213	83	37810	20.786	ug/l		99
76) 1,2,3-Trichloropropane	11.237	75	30764m	20.812	ug/l		
77) Bromobenzene	11.195	156	23369	19.981	ug/l		96
78) n-propylbenzene	11.304	91	116272	20.764	ug/l		99
79) 2-Chlorotoluene	11.359	91	72689	20.383	ug/l		100
80) 1,3,5-Trimethylbenzene	11.451	105	83800	20.908	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.018	75	8756	20.272	ug/l	#	82
82) 4-Chlorotoluene	11.451	91	80935	20.824	ug/l		99
83) tert-Butylbenzene	11.713	119	85178	20.683	ug/l		97
84) 1,2,4-Trimethylbenzene	11.749	105	84360	20.918	ug/l		100
85) sec-Butylbenzene	11.890	105	104018	21.086	ug/l		99
86) p-Isopropyltoluene	12.006	119	84713	21.249	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	40869	19.588	ug/l		99
88) 1,4-Dichlorobenzene	12.036	146	40877	19.365	ug/l		98
89) n-Butylbenzene	12.329	91	70500	20.532	ug/l		99
90) Hexachloroethane	12.536	117	14344	19.892	ug/l		98
91) 1,2-Dichlorobenzene	12.335	146	41771	19.958	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.938	75	7524	21.231	ug/l		94
93) 1,2,4-Trichlorobenzene	13.585	180	21728	18.232	ug/l		99
94) Hexachlorobutadiene	13.725	225	10427	21.341	ug/l		96
95) Naphthalene	13.774	128	84726	18.504	ug/l		99
96) 1,2,3-Trichlorobenzene	13.963	180	23447	18.649	ug/l		98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032425\
Data File : VX045406.D
Acq On : 24 Mar 2025 11:42
Operator : JC/MD
Sample : VX0324WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 25 01:30:09 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 :
VX0324WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 03/25/2025
Supervised By :Mahesh Dadoda 03/25/2025

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

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

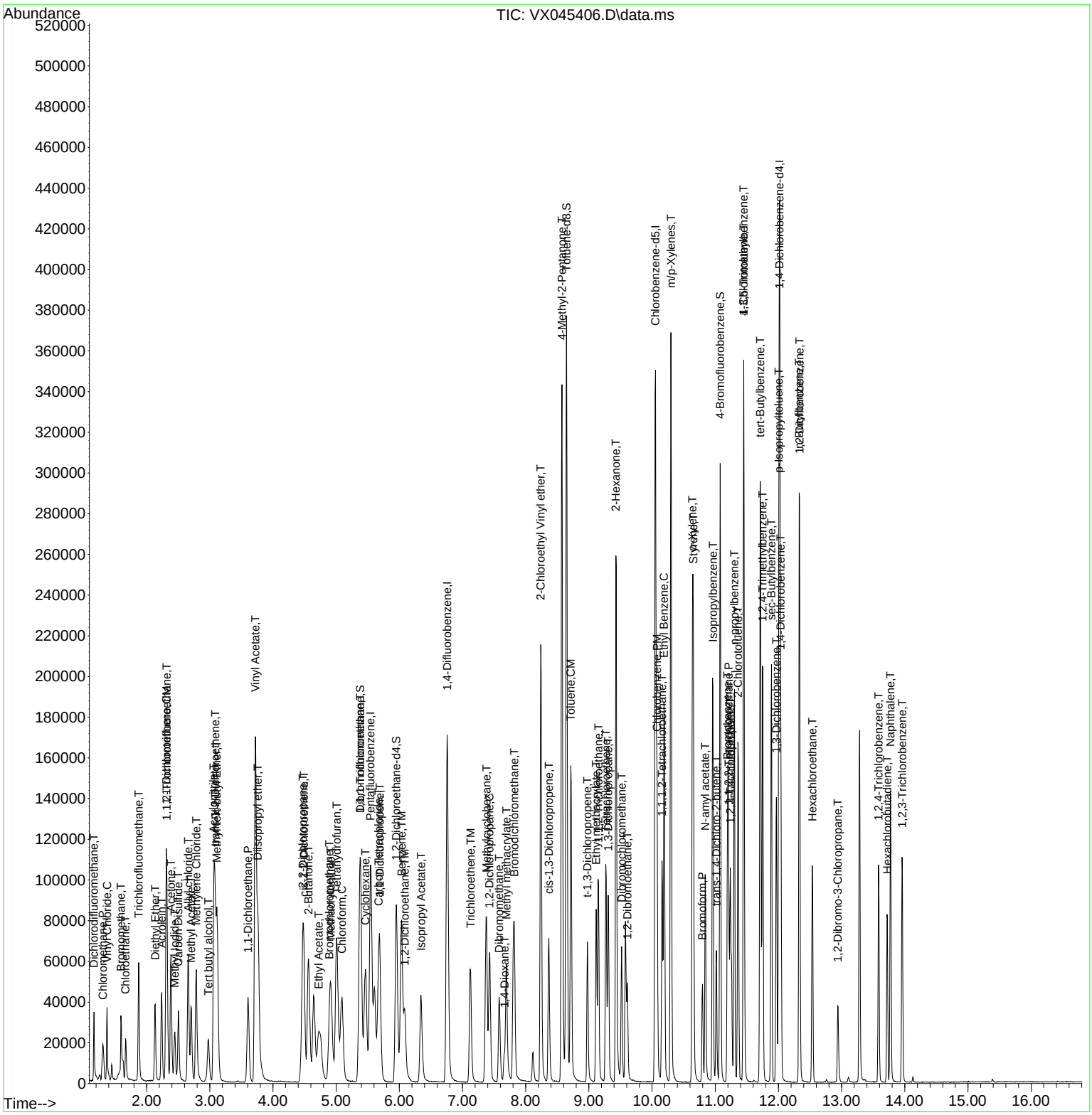
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032425\
Data File : VX045406.D
Acq On : 24 Mar 2025 11:42
Operator : JC/MD
Sample : VX0324WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

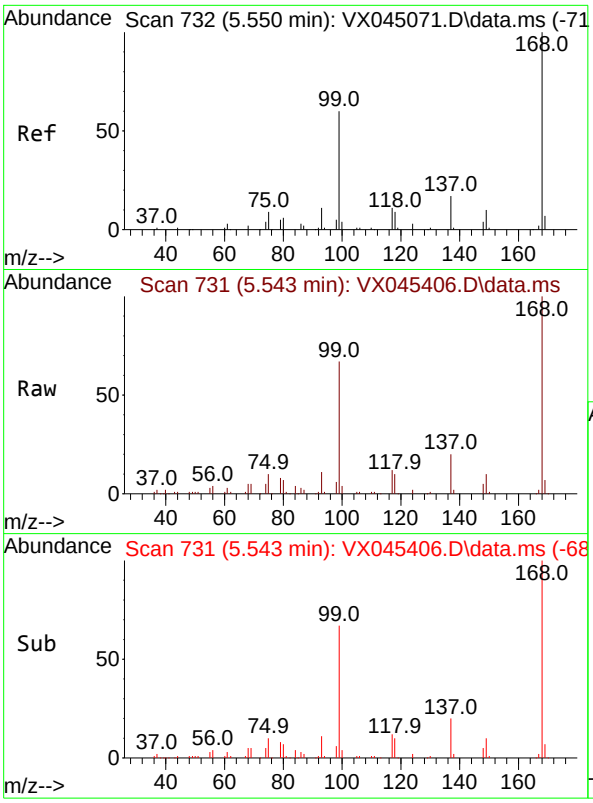
Quant Time: Mar 25 01:30:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0324WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 03/25/2025
Supervised By :Mahesh Dadoda 03/25/2025

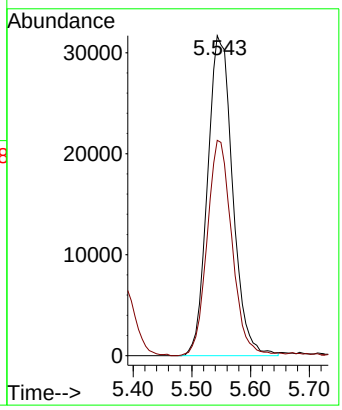




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.543 min Scan# 7
Delta R.T. -0.007 min
Lab File: VX045406.D
Acq: 24 Mar 2025 11:42

Tgt Ion:168 Resp: 9397

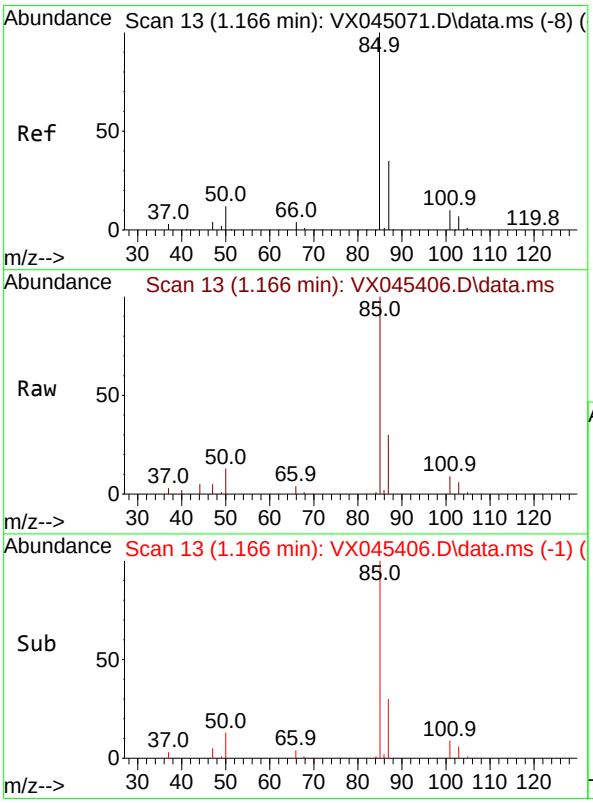
Ion	Ratio	Lower	Upper
168	100		
99	67.3	48.2	72.4



Instrument :
MSVOA_X
ClientSampleId :
VX0324WBS01

Manual Integrations
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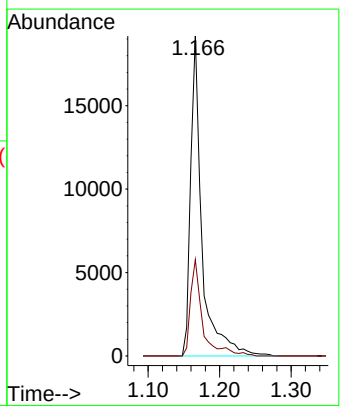
Reviewed By :John Carlone 03/25/2025
Supervised By :Mahesh Dadoda 03/25/2025

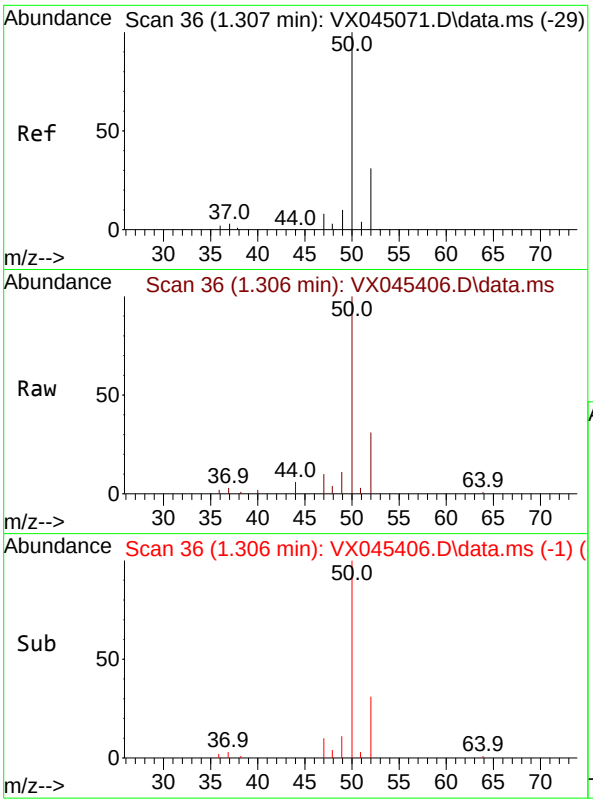


#2
Dichlorodifluoromethane
Concen: 17.814 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX045406.D
Acq: 24 Mar 2025 11:42

Tgt Ion: 85 Resp: 21073

Ion	Ratio	Lower	Upper
85	100		
87	30.1	17.4	52.3

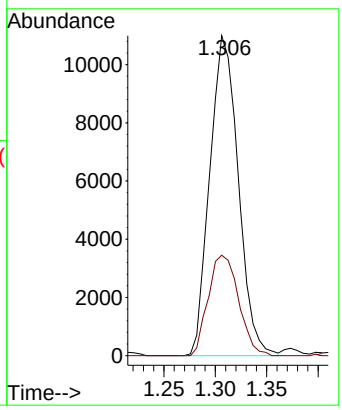




#3
Chloromethane
Concen: 14.624 ug/l
RT: 1.306 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045406.D
Acq: 24 Mar 2025 11:42

Tgt Ion: 50 Resp: 2117

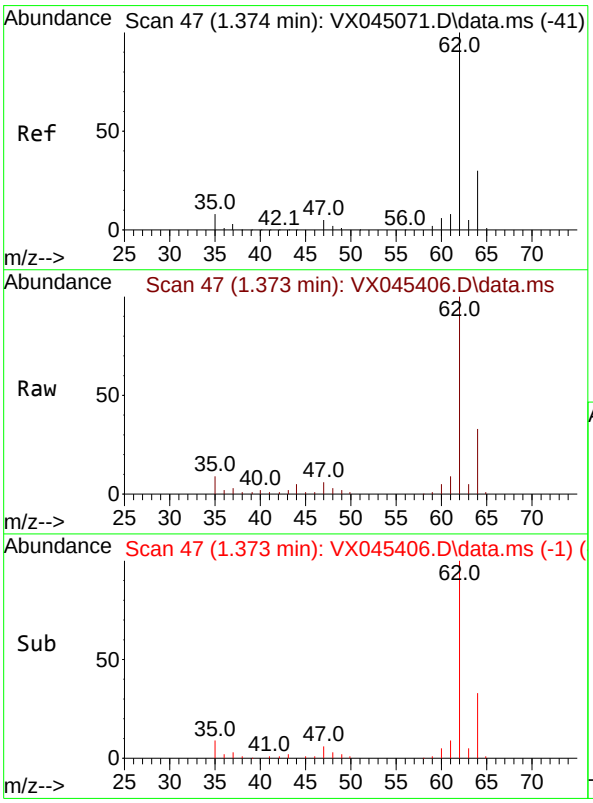
Ion	Ratio	Lower	Upper
50	100		
52	31.4	25.0	37.4



Instrument :
MSVOA_X
ClientSampleId :
VX0324WBS01

Manual Integrations
APPROVED

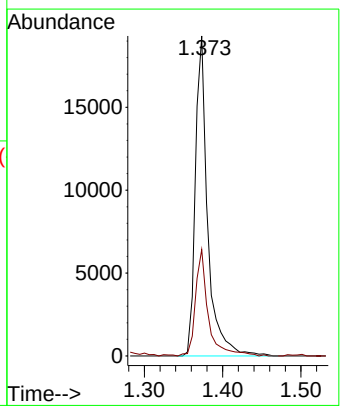
Reviewed By :John Carlone 03/25/2025
Supervised By :Mahesh Dadoda 03/25/2025

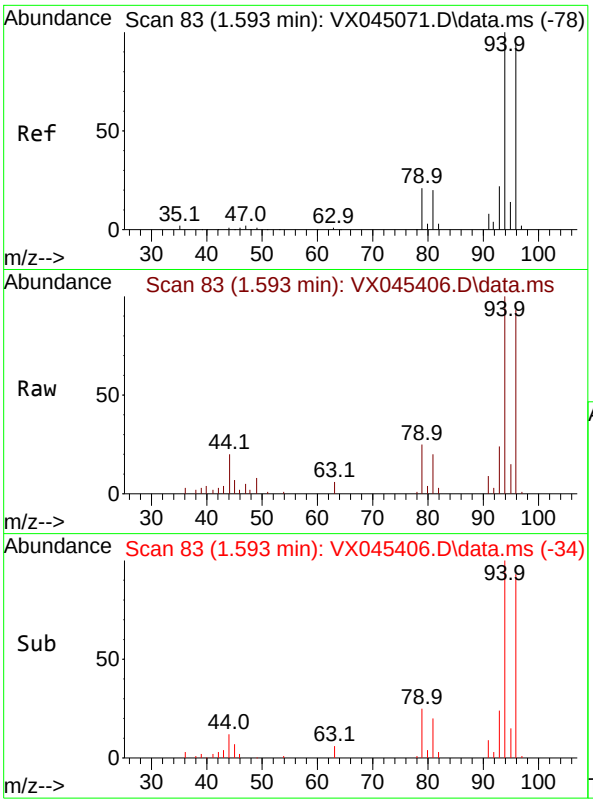


#4
Vinyl Chloride
Concen: 14.754 ug/l
RT: 1.373 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX045406.D
Acq: 24 Mar 2025 11:42

Tgt Ion: 62 Resp: 21189

Ion	Ratio	Lower	Upper
62	100		
64	33.2	24.3	36.5

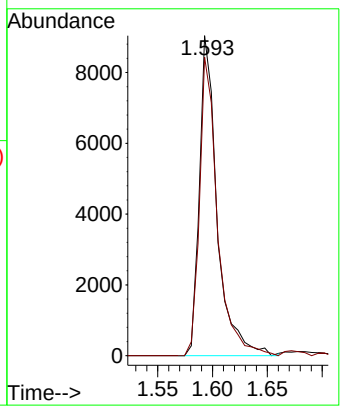




#5
Bromomethane
Concen: 18.037 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045406.D
Acq: 24 Mar 2025 11:42

Tgt Ion: 94 Resp: 1018

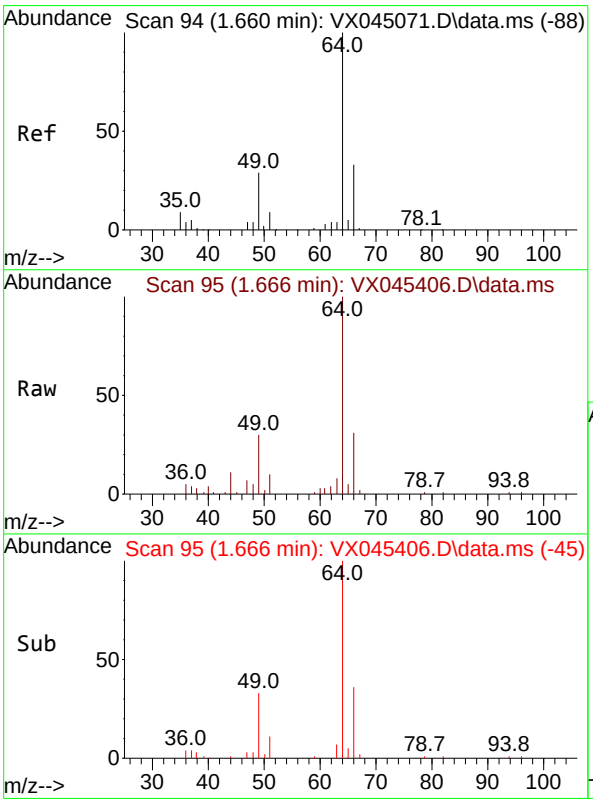
Ion	Ratio	Lower	Upper
94	100		
96	93.3	75.0	112.4



Instrument :
MSVOA_X
ClientSampleId :
VX0324WBS01

Manual Integrations
APPROVED

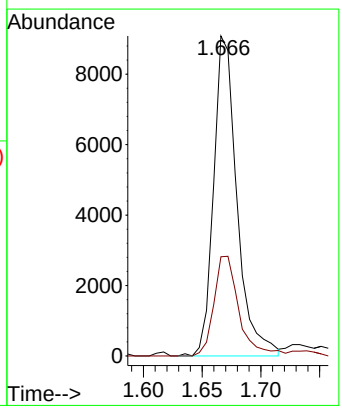
Reviewed By :John Carlone 03/25/2025
Supervised By :Mahesh Dadoda 03/25/2025

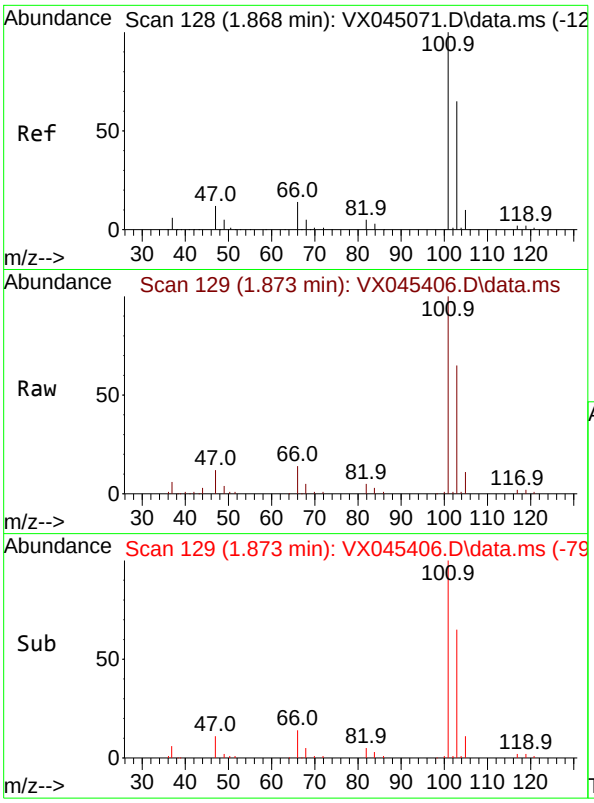


#6
Chloroethane
Concen: 18.998 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.006 min
Lab File: VX045406.D
Acq: 24 Mar 2025 11:42

Tgt Ion: 64 Resp: 12585

Ion	Ratio	Lower	Upper
64	100		
66	31.0	26.7	40.1

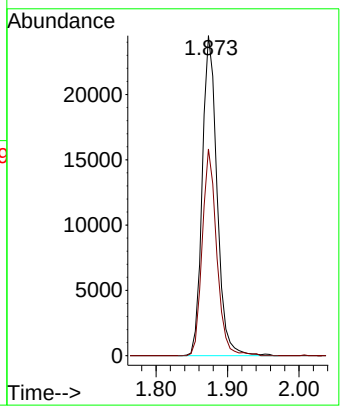




#7
Trichlorofluoromethane
Concen: 18.518 ug/l
RT: 1.873 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045406.D
Acq: 24 Mar 2025 11:42

Tgt Ion:101 Resp: 3520

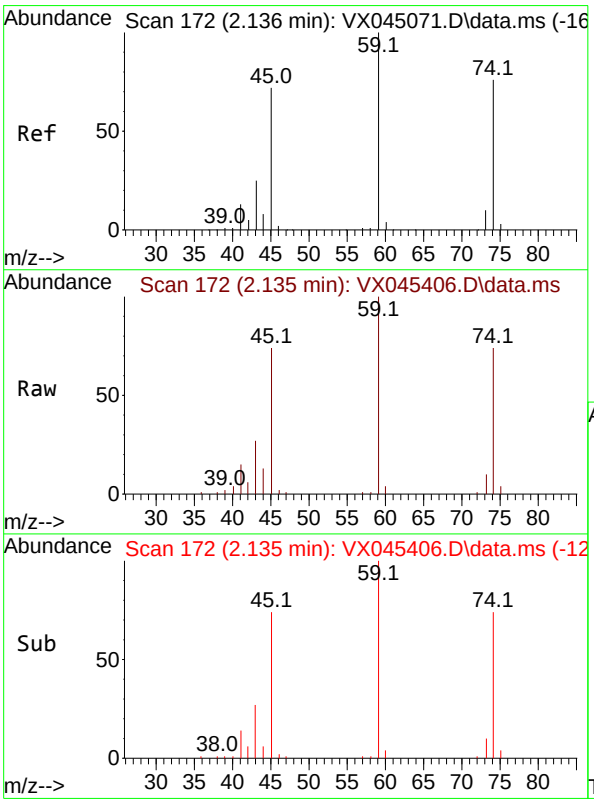
Ion	Ratio	Lower	Upper
101	100		
103	64.6	52.1	78.1



Instrument :
MSVOA_X
ClientSampleId :
VX0324WBS01

Manual Integrations
APPROVED

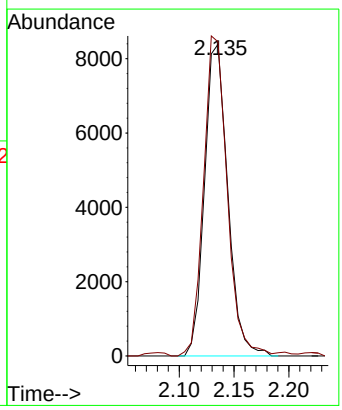
Reviewed By :John Carlone 03/25/2025
Supervised By :Mahesh Dadoda 03/25/2025

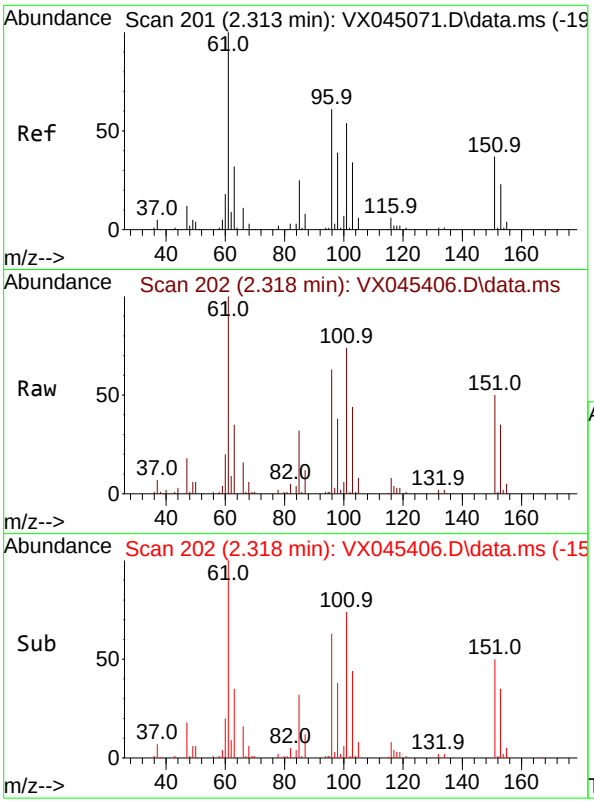


#8
Diethyl Ether
Concen: 16.636 ug/l
RT: 2.135 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX045406.D
Acq: 24 Mar 2025 11:42

Tgt Ion: 74 Resp: 12371

Ion	Ratio	Lower	Upper
74	100		
45	105.0	51.5	154.5





#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.730 ug/l
RT: 2.318 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX045406.D
Acq: 24 Mar 2025 11:42

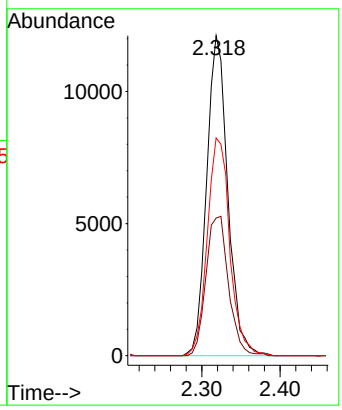
Tgt Ion:101 Resp: 2264

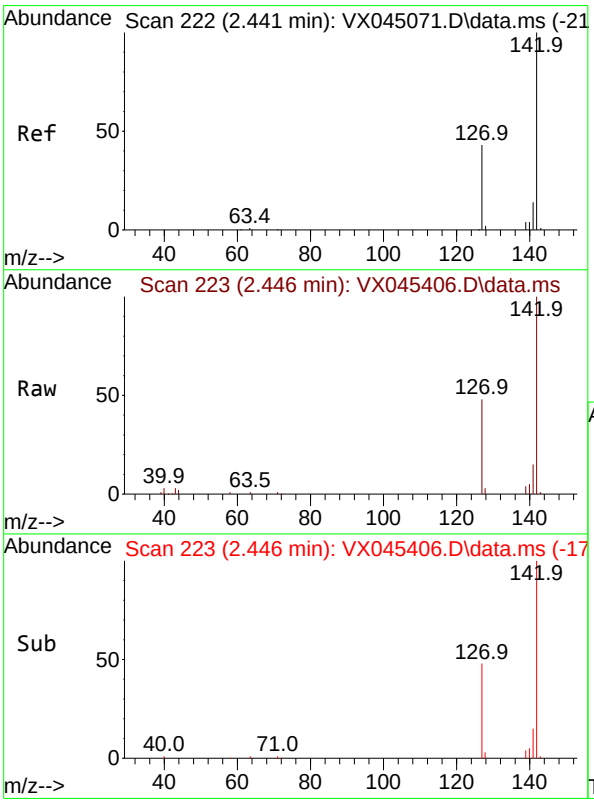
Ion	Ratio	Lower	Upper
101	100		
85	46.7	36.2	54.4
151	72.6	56.4	84.6

Instrument :
MSVOA_X
ClientSampleId :
VX0324WBS01

Manual Integrations
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Reviewed By :John Carlone 03/25/2025
Supervised By :Mahesh Dadoda 03/25/2025

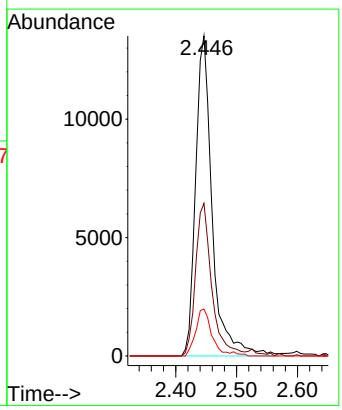


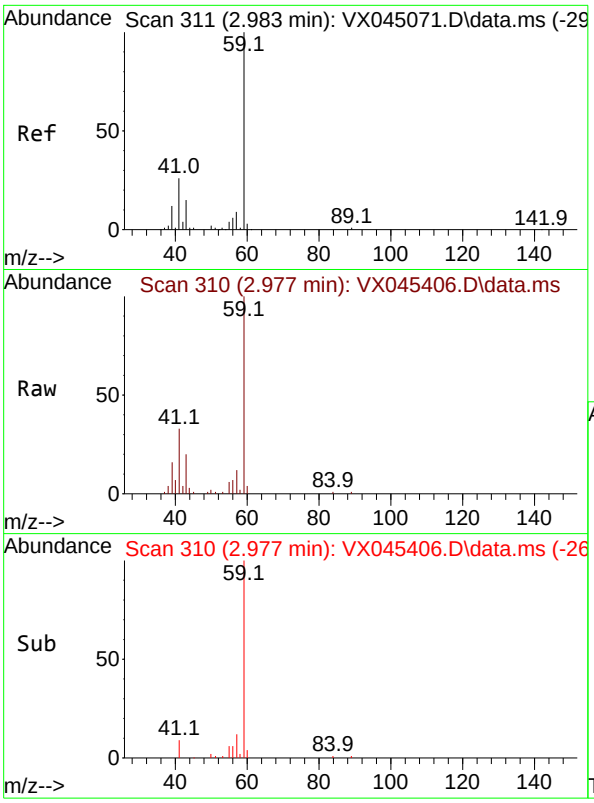


#10
Methyl Iodide
Concen: 18.722 ug/l
RT: 2.446 min Scan# 223
Delta R.T. 0.006 min
Lab File: VX045406.D
Acq: 24 Mar 2025 11:42

Tgt Ion:142 Resp: 25555

Ion	Ratio	Lower	Upper
142	100		
127	46.6	35.4	53.2
141	14.6	11.6	17.4

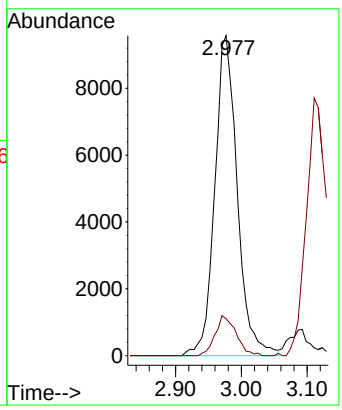




#11
Tert butyl alcohol
Concen: 80.611 ug/l
RT: 2.977 min Scan# 3
Delta R.T. -0.007 min
Lab File: VX045406.D
Acq: 24 Mar 2025 11:42

Tgt Ion: 59 Resp: 2282

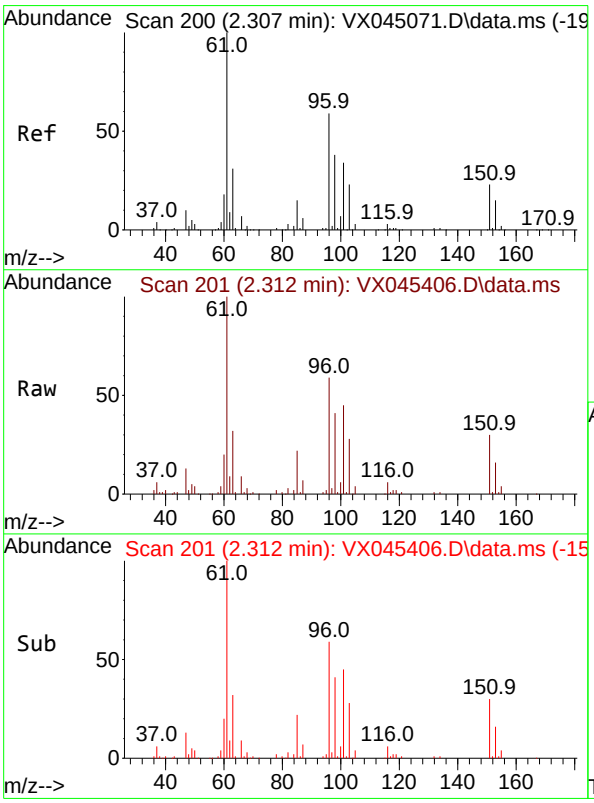
Ion	Ratio	Lower	Upper
59	100		
57	11.6	7.8	11.8



Instrument :
MSVOA_X
ClientSampleId :
VX0324WBS01

Manual Integrations
APPROVED

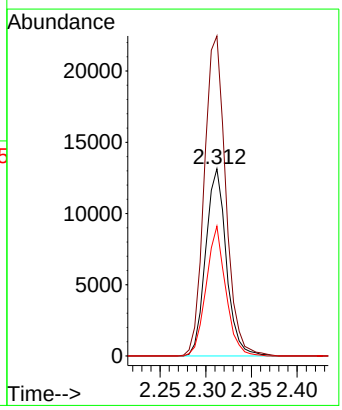
Reviewed By :John Carlone 03/25/2025
Supervised By :Mahesh Dadoda 03/25/2025

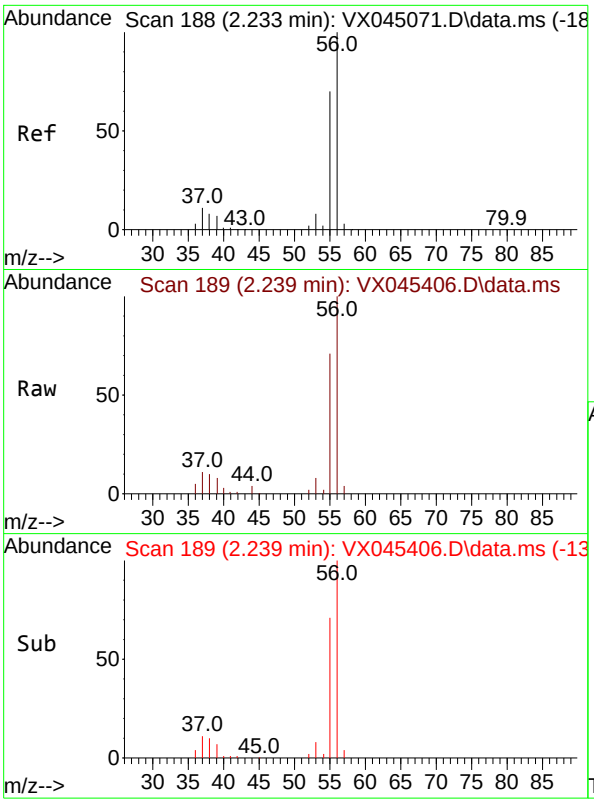


#12
1,1-Dichloroethene
Concen: 17.840 ug/l
RT: 2.312 min Scan# 201
Delta R.T. 0.006 min
Lab File: VX045406.D
Acq: 24 Mar 2025 11:42

Tgt Ion: 96 Resp: 20601

Ion	Ratio	Lower	Upper
96	100		
61	170.9	134.6	202.0
98	69.3	51.0	76.6

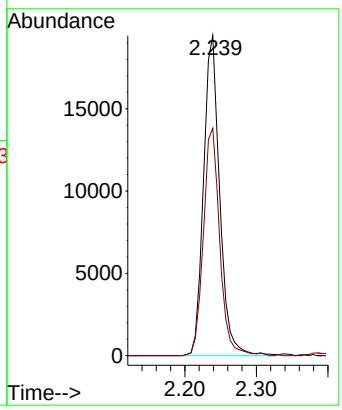




#13
Acrolein
Concen: 93.440 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045406.D
Acq: 24 Mar 2025 11:42

Tgt Ion: 56 Resp: 3058

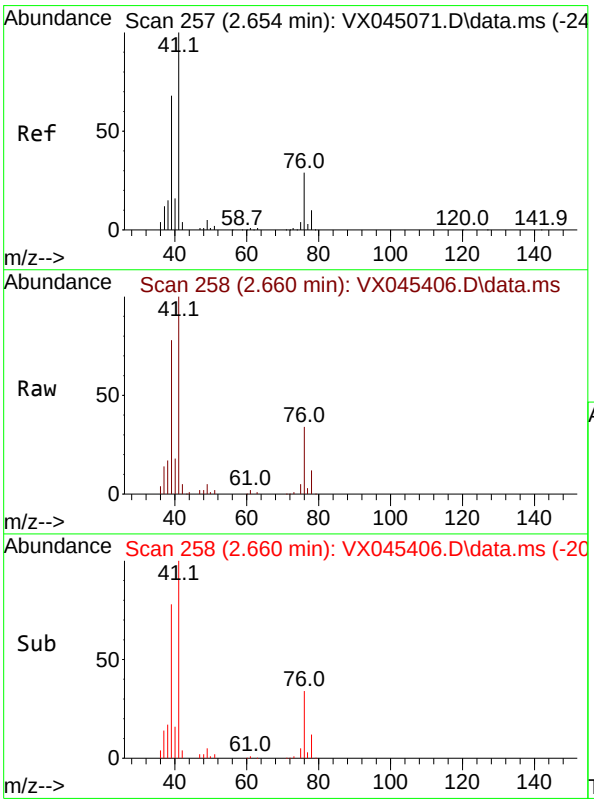
Ion	Ratio	Lower	Upper
56	100		
55	71.8	56.2	84.4



Instrument :
MSVOA_X
ClientSampleId :
VX0324WBS01

Manual Integrations APPROVED

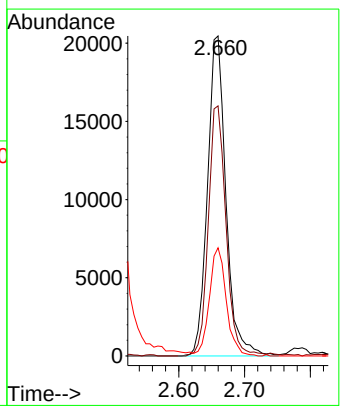
Reviewed By :John Carlone 03/25/2025
Supervised By :Mahesh Dadoda 03/25/2025

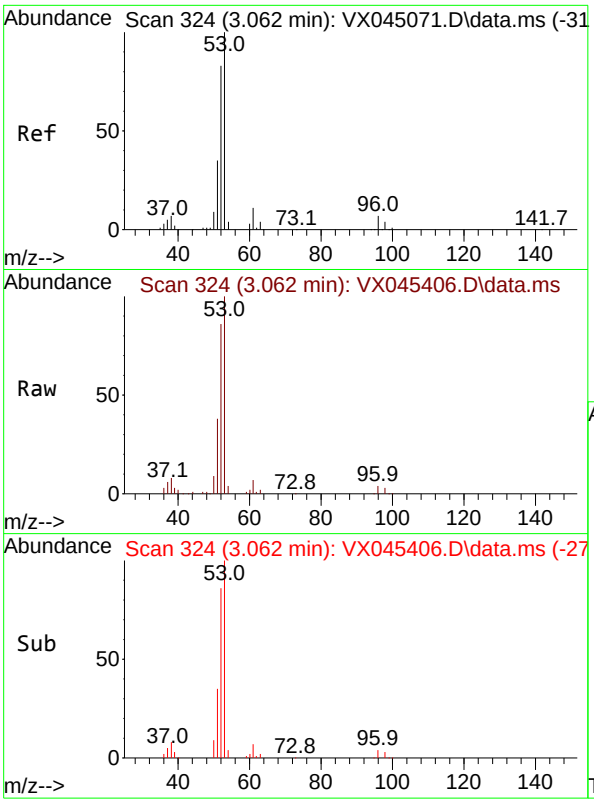


#14
Allyl chloride
Concen: 19.469 ug/l
RT: 2.660 min Scan# 258
Delta R.T. 0.006 min
Lab File: VX045406.D
Acq: 24 Mar 2025 11:42

Tgt Ion: 41 Resp: 40021

Ion	Ratio	Lower	Upper
41	100		
39	74.8	53.8	80.8
76	31.0	25.2	37.8

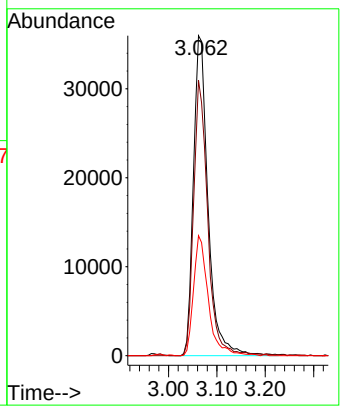




#15
Acrylonitrile
Concen: 99.654 ug/l
RT: 3.062 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045406.D
Acq: 24 Mar 2025 11:42

Tgt Ion: 53 Resp: 7562

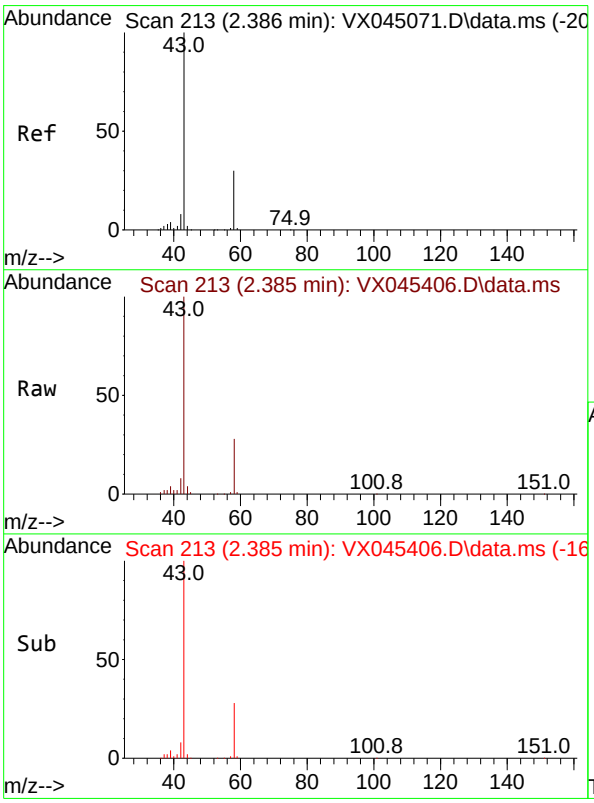
Ion	Ratio	Lower	Upper
53	100		
52	82.7	66.2	99.2
51	37.9	29.0	43.4



Instrument :
MSVOA_X
ClientSampleId :
VX0324WBS01

Manual Integrations
APPROVED

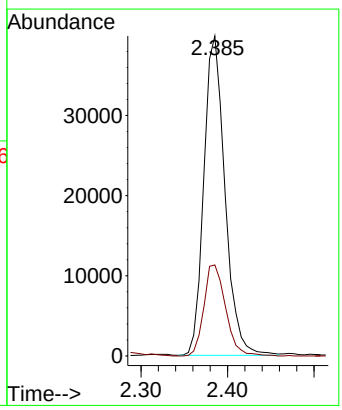
Reviewed By :John Carlone 03/25/2025
Supervised By :Mahesh Dadoda 03/25/2025

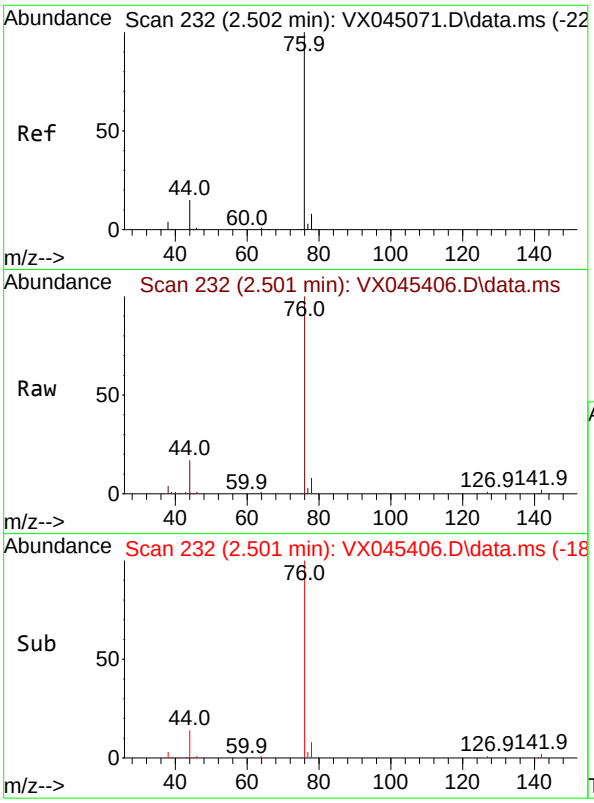


#16
Acetone
Concen: 97.269 ug/l
RT: 2.385 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX045406.D
Acq: 24 Mar 2025 11:42

Tgt Ion: 43 Resp: 67463

Ion	Ratio	Lower	Upper
43	100		
58	28.5	24.2	36.4

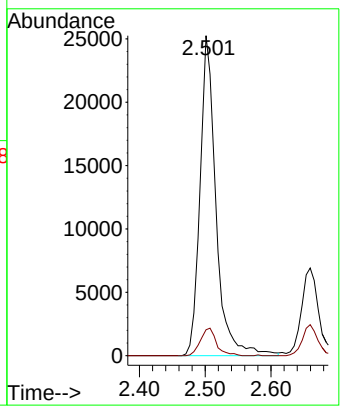




#17
Carbon Disulfide
Concen: 13.853 ug/l
RT: 2.501 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045406.D
Acq: 24 Mar 2025 11:42

Tgt Ion: 76 Resp: 4260

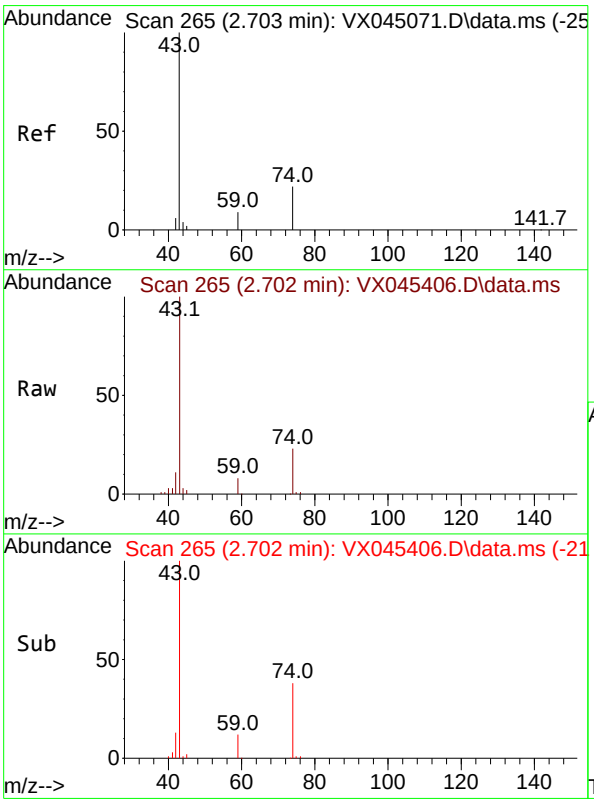
Ion	Ratio	Lower	Upper
76	100		
78	8.1	6.6	9.8



Instrument :
MSVOA_X
ClientSampleId :
VX0324WBS01

Manual Integrations
APPROVED

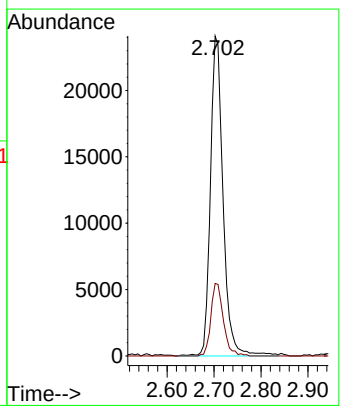
Reviewed By :John Carlone 03/25/2025
Supervised By :Mahesh Dadoda 03/25/2025

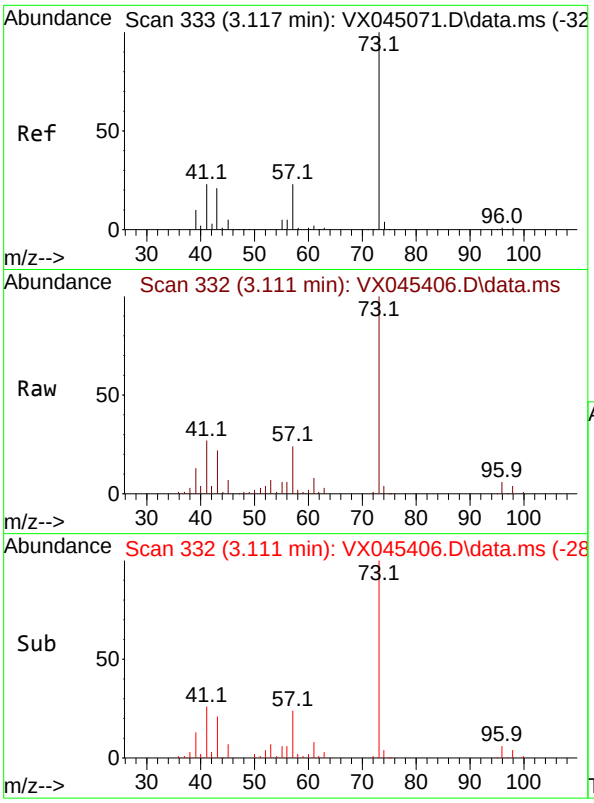


#18
Methyl Acetate
Concen: 26.951 ug/l
RT: 2.702 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX045406.D
Acq: 24 Mar 2025 11:42

Tgt Ion: 43 Resp: 44967

Ion	Ratio	Lower	Upper
43	100		
74	22.3	17.4	26.2

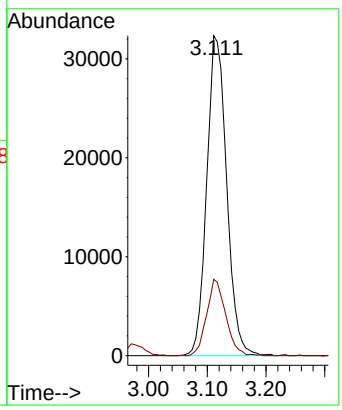




#19
Methyl tert-butyl Ether
Concen: 19.684 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.007 min
Lab File: VX045406.D
Acq: 24 Mar 2025 11:42

Tgt Ion: 73 Resp: 7626

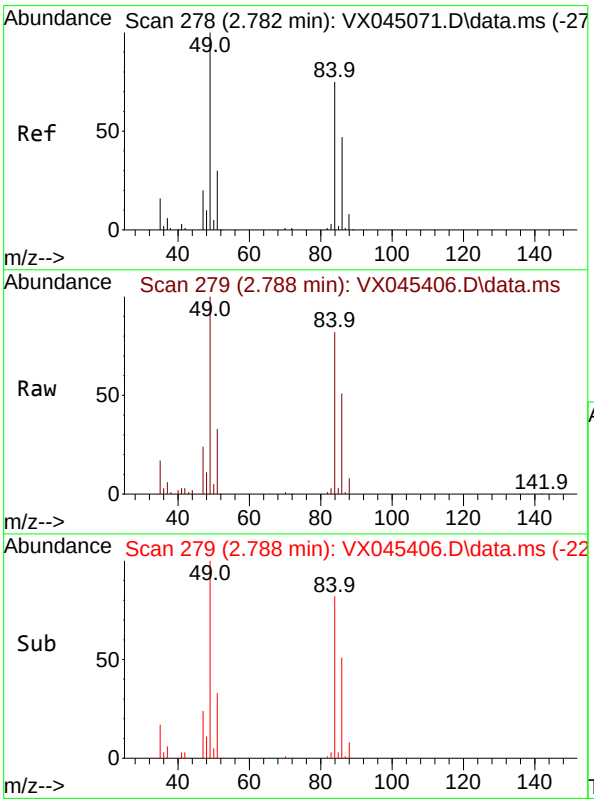
Ion	Ratio	Lower	Upper
73	100		
57	23.8	18.5	27.7



Instrument :
MSVOA_X
ClientSampleId :
VX0324WBS01

Manual Integrations
APPROVED

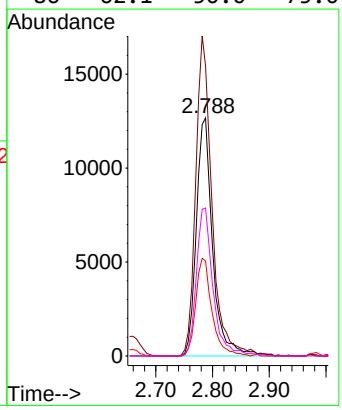
Reviewed By :John Carlone 03/25/2025
Supervised By :Mahesh Dadoda 03/25/2025

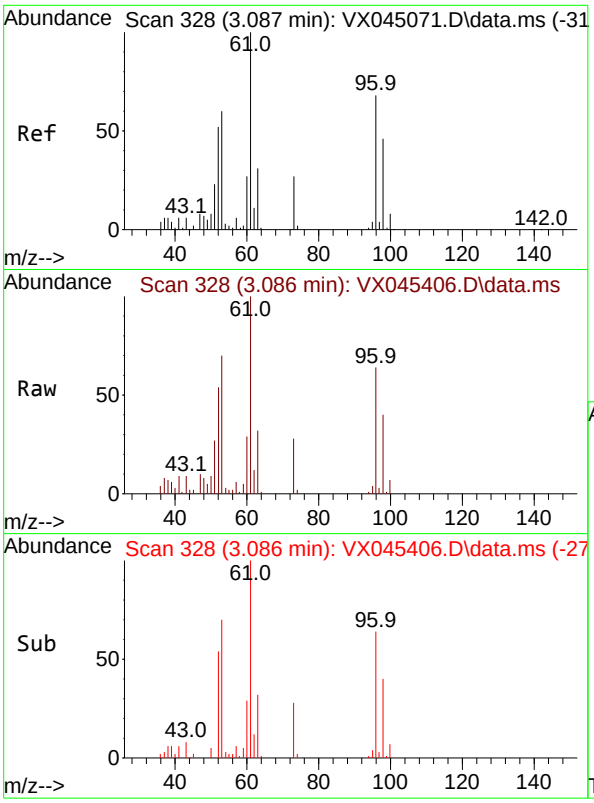


#20
Methylene Chloride
Concen: 18.451 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.006 min
Lab File: VX045406.D
Acq: 24 Mar 2025 11:42

Tgt Ion: 84 Resp: 25350

Ion	Ratio	Lower	Upper
84	100		
49	121.8	106.5	159.7
51	39.9	32.1	48.1
86	62.1	50.0	75.0

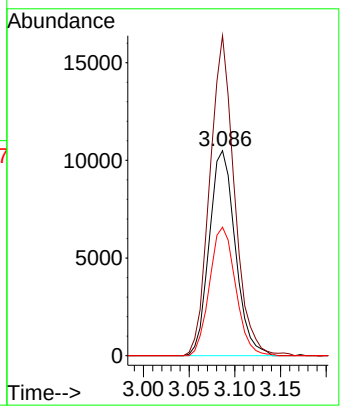




#21
trans-1,2-Dichloroethene
Concen: 18.193 ug/l
RT: 3.086 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045406.D
Acq: 24 Mar 2025 11:42

Tgt Ion: 96 Resp: 2075

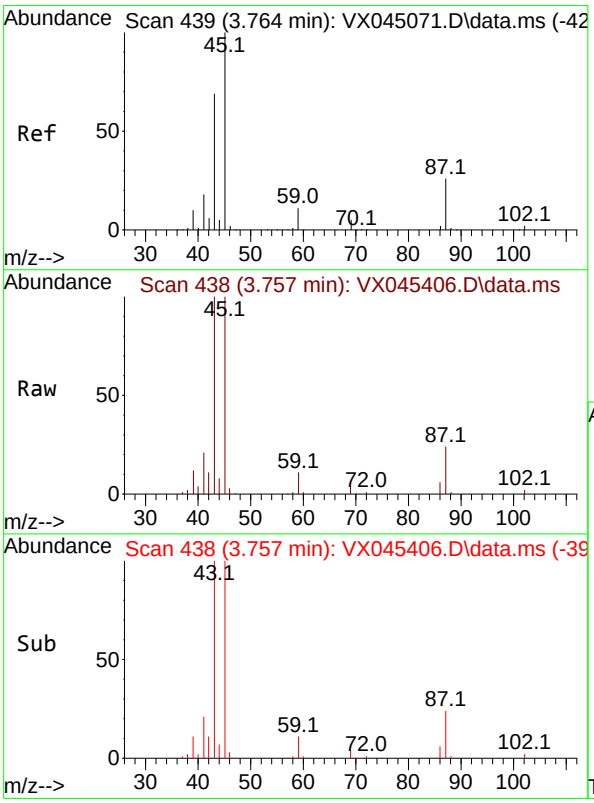
Ion	Ratio	Lower	Upper
96	100		
61	156.2	117.0	175.4
98	62.7	53.4	80.2



Instrument :
MSVOA_X
ClientSampleId :
VX0324WBS01

Manual Integrations
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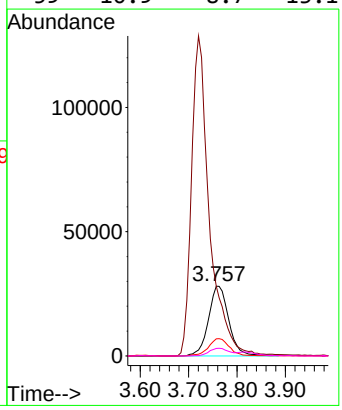
Reviewed By :John Carlone 03/25/2025
Supervised By :Mahesh Dadoda 03/25/2025

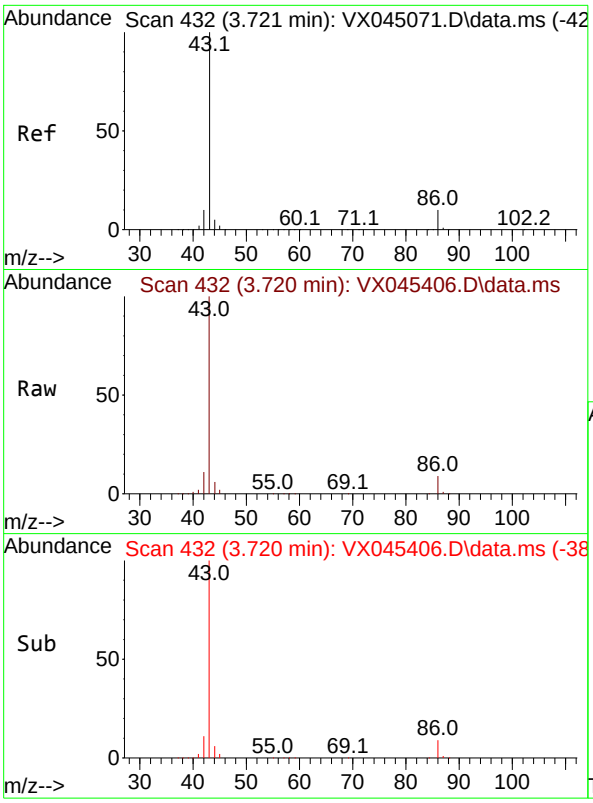


#22
Diisopropyl ether
Concen: 19.641 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.007 min
Lab File: VX045406.D
Acq: 24 Mar 2025 11:42

Tgt Ion: 45 Resp: 82111

Ion	Ratio	Lower	Upper
45	100		
43	99.3	54.9	82.3#
87	24.4	21.0	31.4
59	10.9	8.7	13.1





#23
Vinyl Acetate
Concen: 95.666 ug/l
RT: 3.720 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX045406.D
Acq: 24 Mar 2025 11:42

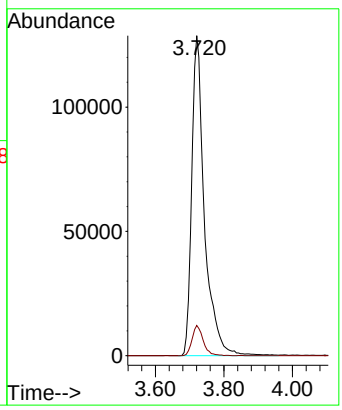
Tgt Ion: 43 Resp: 33374

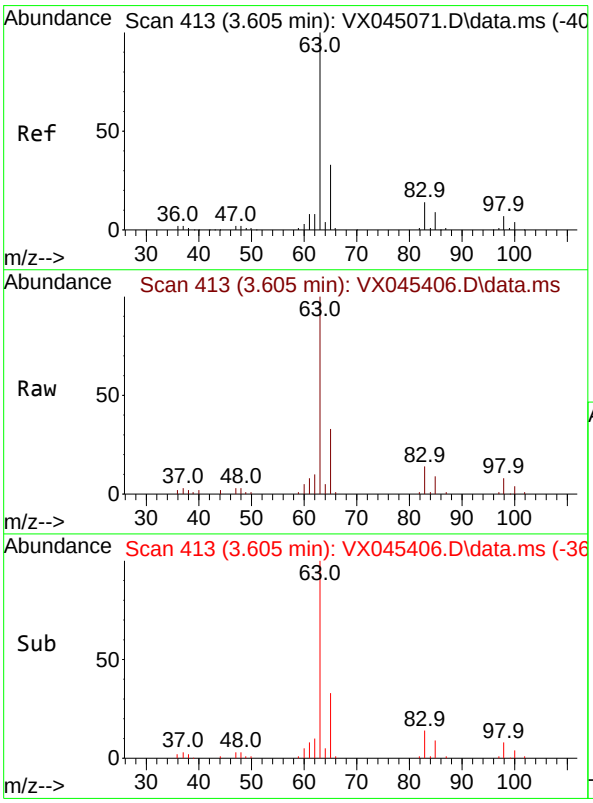
Ion	Ratio	Lower	Upper
43	100		
86	9.4	8.1	12.1

Instrument :
MSVOA_X
ClientSampleId :
VX0324WBS01

Manual Integrations
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Reviewed By :John Carlone 03/25/2025
Supervised By :Mahesh Dadoda 03/25/2025

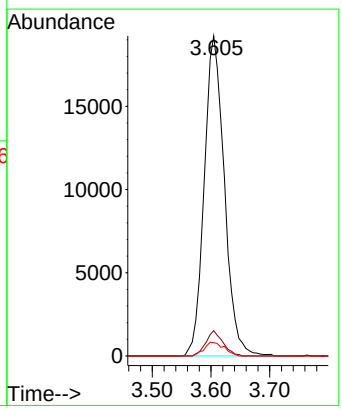


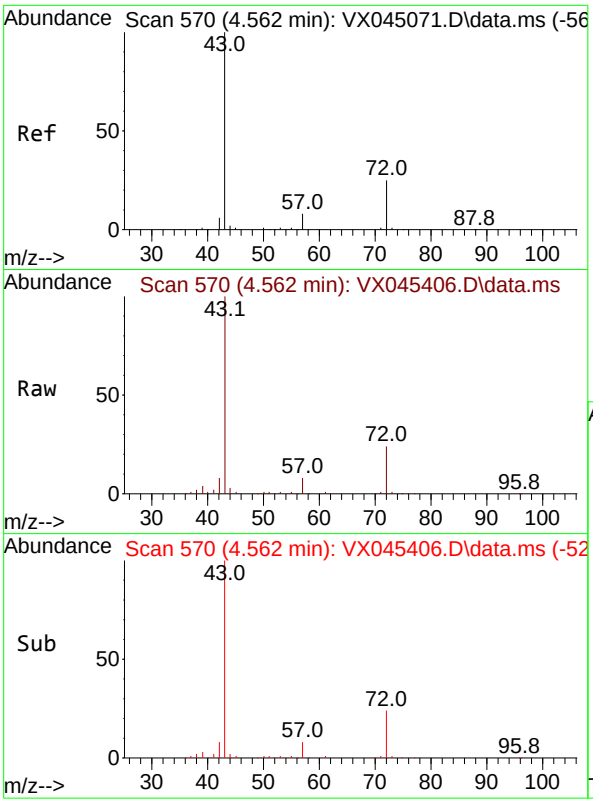


#24
1,1-Dichloroethane
Concen: 19.552 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX045406.D
Acq: 24 Mar 2025 11:42

Tgt Ion: 63 Resp: 45808

Ion	Ratio	Lower	Upper
63	100		
98	7.9	3.4	10.2
100	4.1	2.1	6.5





#25
2-Butanone
Concen: 103.691 ug/l
RT: 4.562 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045406.D
Acq: 24 Mar 2025 11:42

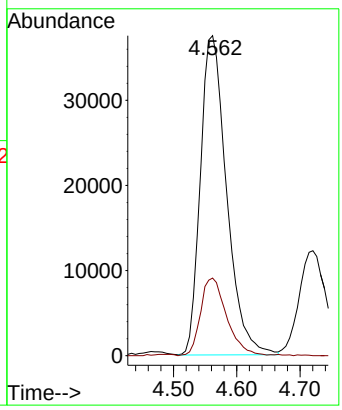
Tgt Ion: 43 Resp: 10825

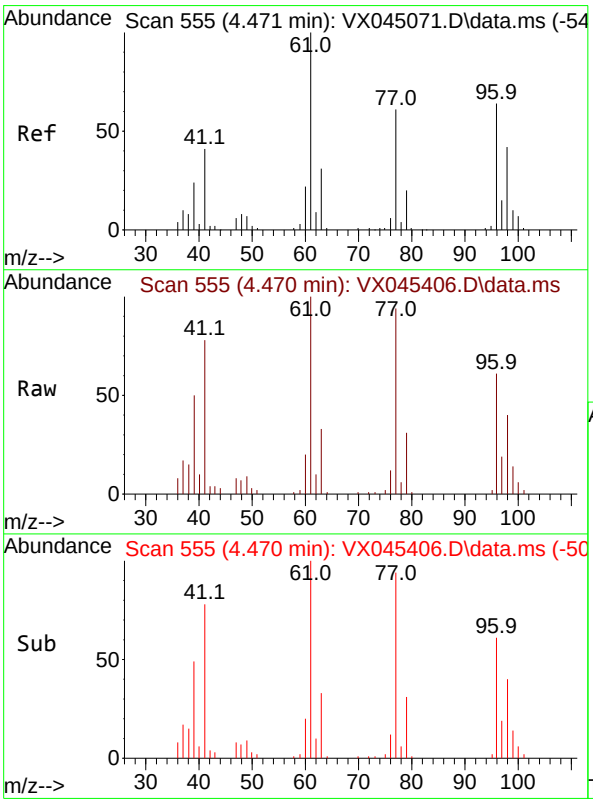
Ion	Ratio	Lower	Upper
43	100		
72	24.3	20.0	30.0

Instrument :
MSVOA_X
ClientSampleId :
VX0324WBS01

Manual Integrations
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Reviewed By :John Carlone 03/25/2025
Supervised By :Mahesh Dadoda 03/25/2025

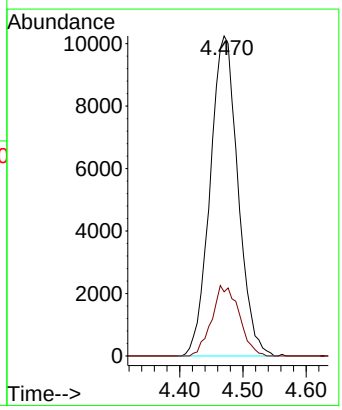


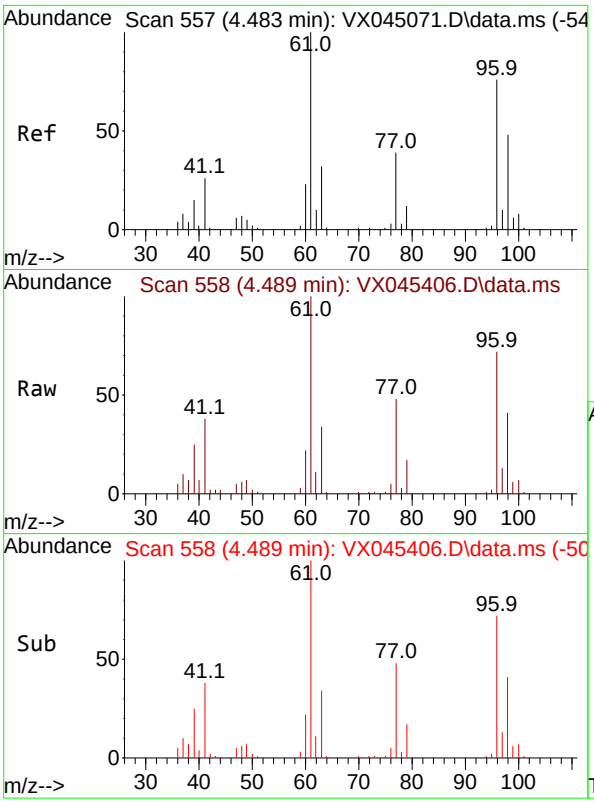


#26
2,2-Dichloropropane
Concen: 28.501 ug/l
RT: 4.470 min Scan# 555
Delta R.T. -0.000 min
Lab File: VX045406.D
Acq: 24 Mar 2025 11:42

Tgt Ion: 77 Resp: 31321

Ion	Ratio	Lower	Upper
77	100		
97	21.7	12.4	37.0

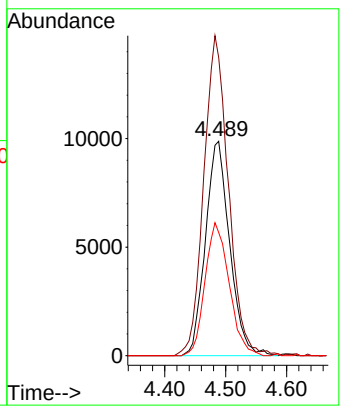




#27
cis-1,2-Dichloroethene
Concen: 19.397 ug/l
RT: 4.489 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX045406.D
Acq: 24 Mar 2025 11:42

Tgt Ion: 96 Resp: 2731

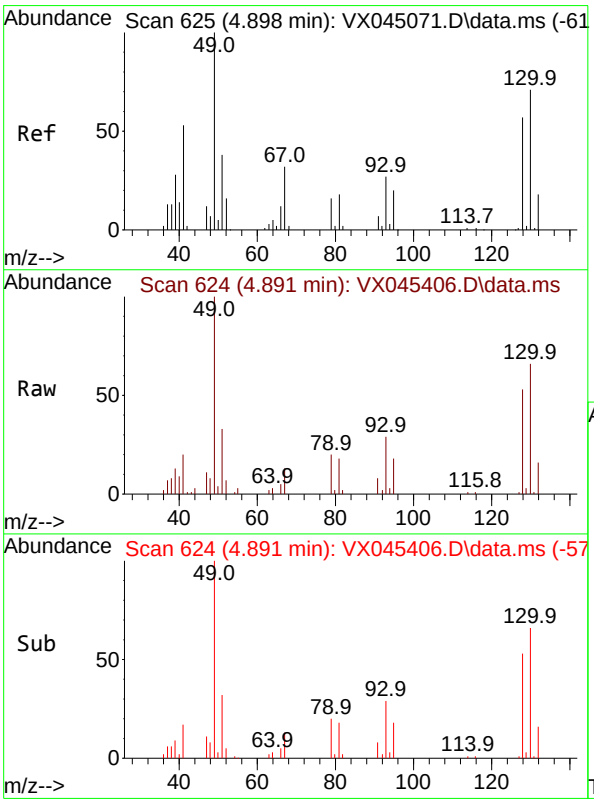
Ion	Ratio	Lower	Upper
96	100		
61	151.6	0.0	283.2
98	61.7	0.0	128.0



Instrument :
MSVOA_X
ClientSampleId :
VX0324WBS01

Manual Integrations
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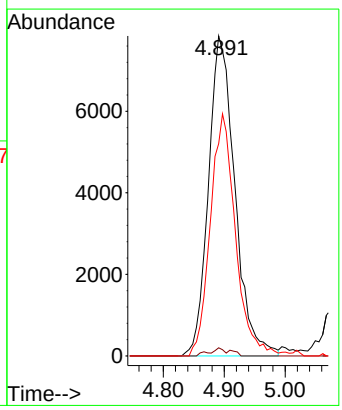
Reviewed By :John Carlone 03/25/2025
Supervised By :Mahesh Dadoda 03/25/2025

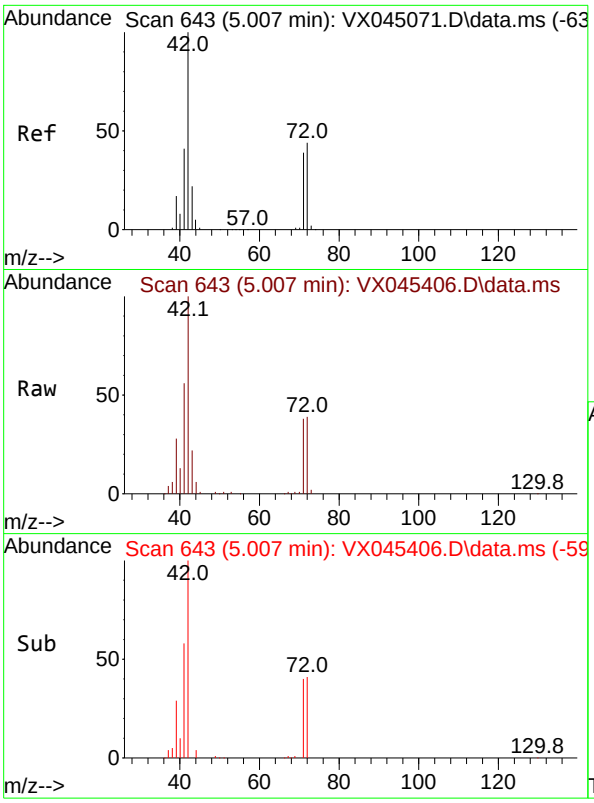


#28
Bromochloromethane
Concen: 21.152 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.007 min
Lab File: VX045406.D
Acq: 24 Mar 2025 11:42

Tgt Ion: 49 Resp: 23621

Ion	Ratio	Lower	Upper
49	100		
129	0.5	0.0	3.4
130	72.1	56.1	84.1

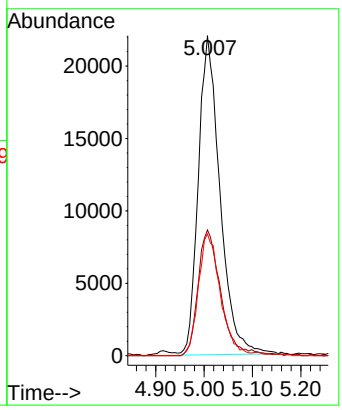




#29
Tetrahydrofuran
Concen: 97.859 ug/l
RT: 5.007 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX045406.D
Acq: 24 Mar 2025 11:42

Tgt Ion: 42 Resp: 6860

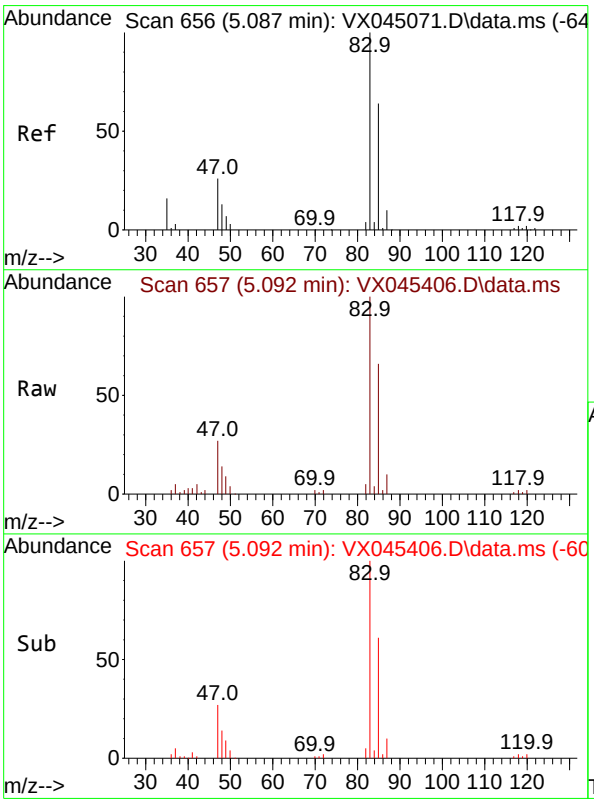
Ion	Ratio	Lower	Upper
42	100		
72	41.5	34.1	51.1
71	38.6	31.4	47.0



Instrument :
MSVOA_X
ClientSampleId :
VX0324WBS01

Manual Integrations APPROVED

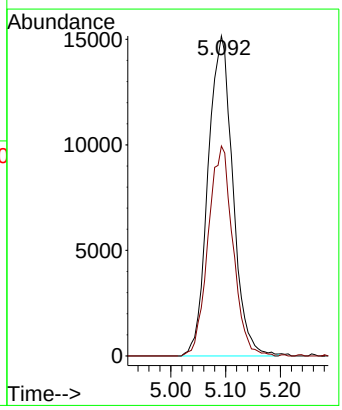
Reviewed By :John Carlone 03/25/2025
Supervised By :Mahesh Dadoda 03/25/2025

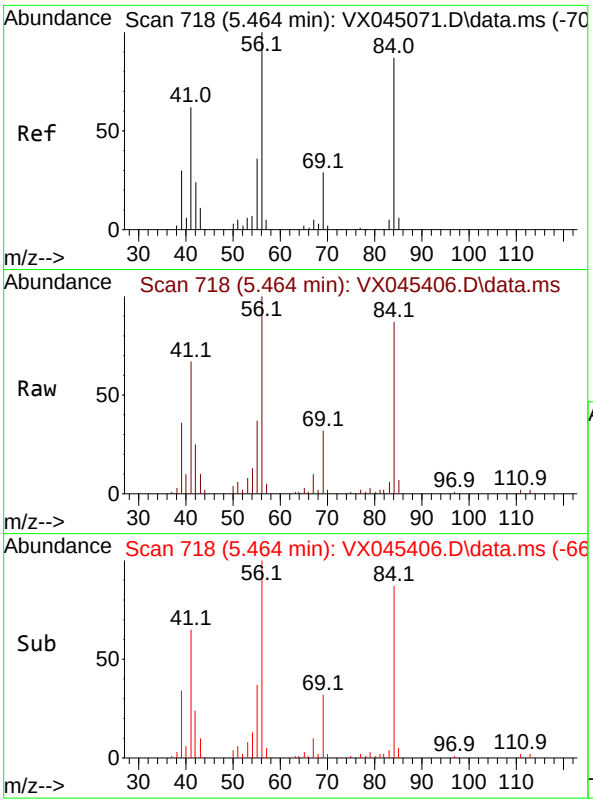


#30
Chloroform
Concen: 20.432 ug/l
RT: 5.092 min Scan# 657
Delta R.T. 0.006 min
Lab File: VX045406.D
Acq: 24 Mar 2025 11:42

Tgt Ion: 83 Resp: 47564

Ion	Ratio	Lower	Upper
83	100		
85	65.6	51.4	77.2





#31
Cyclohexane
Concen: 17.778 ug/l
RT: 5.464 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045406.D
Acq: 24 Mar 2025 11:42

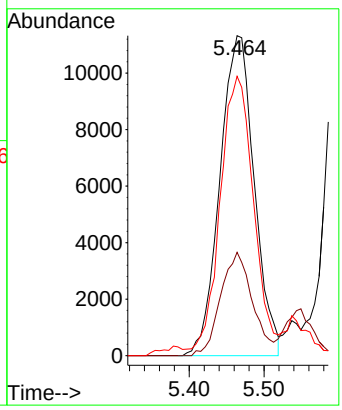
Tgt Ion: 56 Resp: 3615

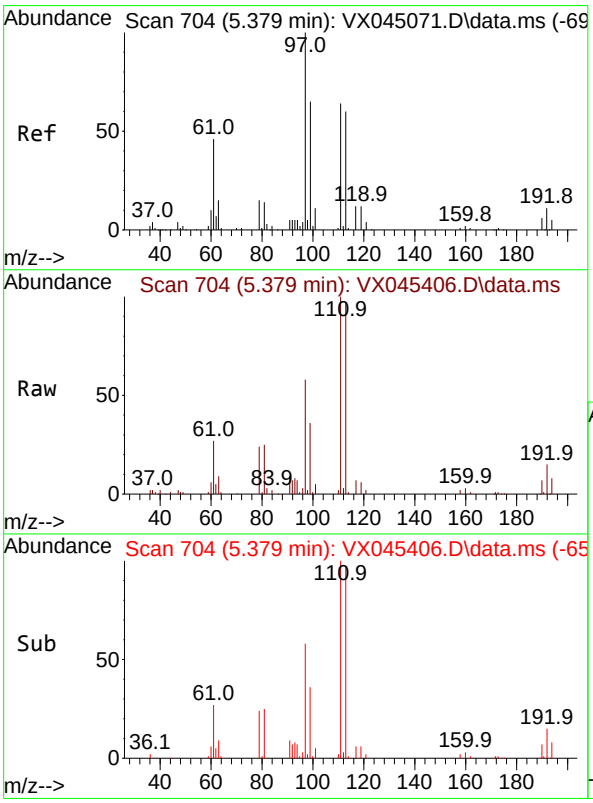
Ion	Ratio	Lower	Upper
56	100		
69	32.3	23.4	35.2
84	84.5	69.4	104.2

Instrument :
MSVOA_X
ClientSampleId :
VX0324WBS01

Manual Integrations
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Reviewed By :John Carlone 03/25/2025
Supervised By :Mahesh Dadoda 03/25/2025

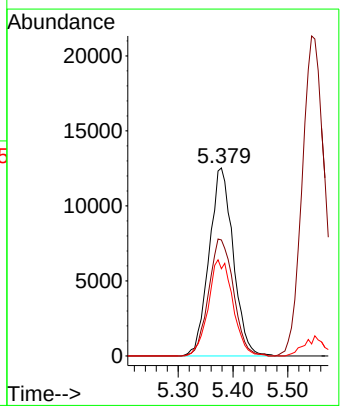


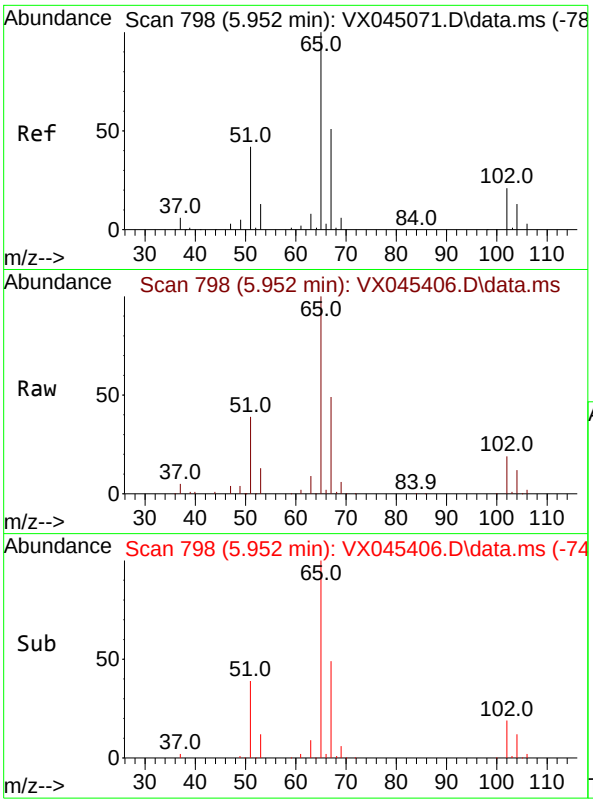


#32
1,1,1-Trichloroethane
Concen: 20.411 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX045406.D
Acq: 24 Mar 2025 11:42

Tgt Ion: 97 Resp: 38377

Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.6	77.4
61	51.9	38.4	57.6

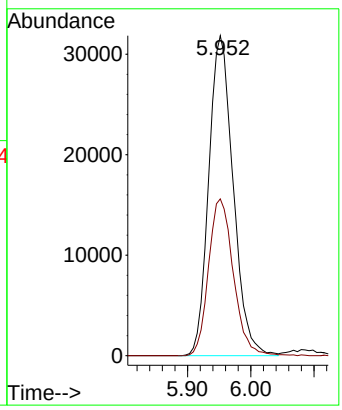




#33
1,2-Dichloroethane-d4
Concen: 57.050 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045406.D
Acq: 24 Mar 2025 11:42

Tgt Ion: 65 Resp: 8528

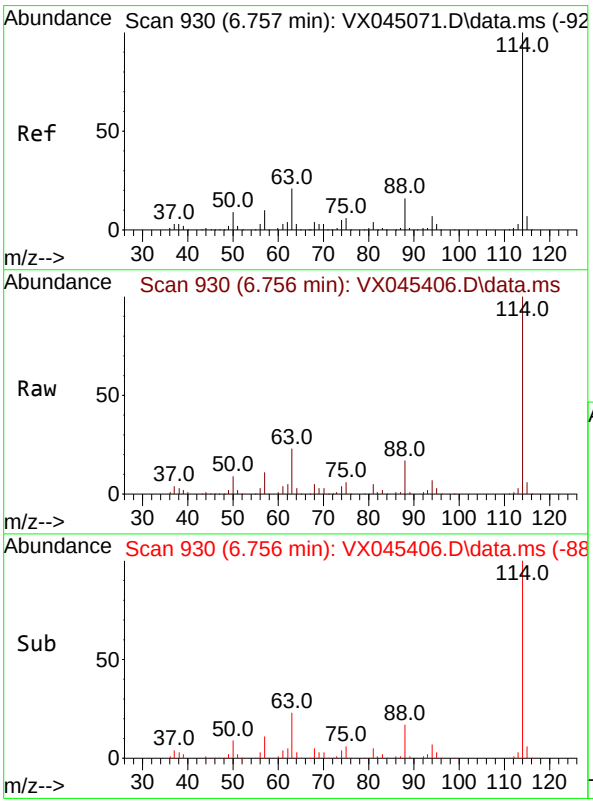
Ion	Ratio	Lower	Upper
65	100		
67	49.8	0.0	106.2



Instrument :
MSVOA_X
ClientSampleId :
VX0324WBS01

Manual Integrations APPROVED

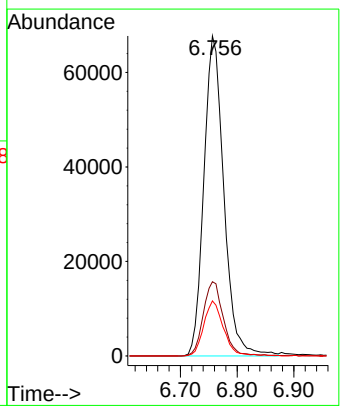
Reviewed By :John Carlone 03/25/2025
Supervised By :Mahesh Dadoda 03/25/2025

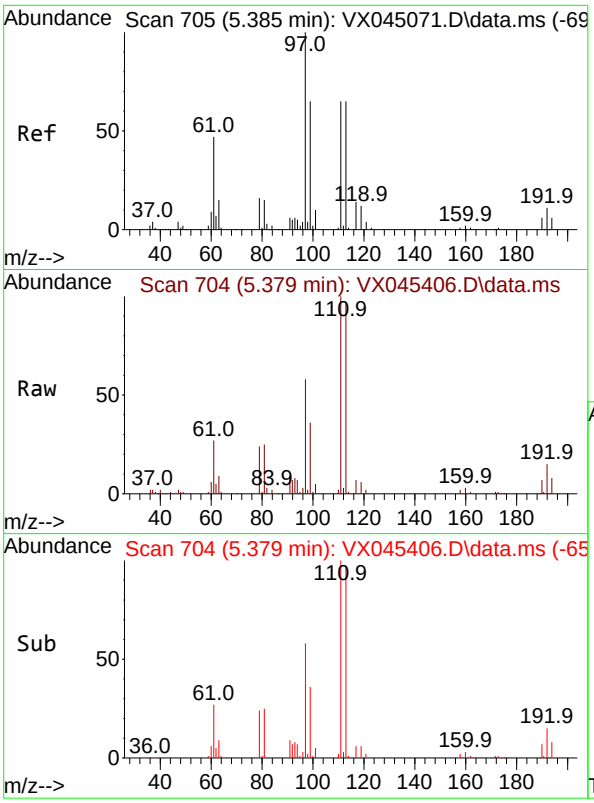


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.756 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX045406.D
Acq: 24 Mar 2025 11:42

Tgt Ion:114 Resp: 165678

Ion	Ratio	Lower	Upper
114	100		
63	23.2	0.0	41.8
88	17.2	0.0	32.8

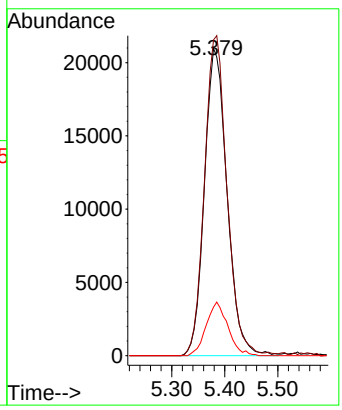




#35
Dibromofluoromethane
Concen: 56.195 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.007 min
Lab File: VX045406.D
Acq: 24 Mar 2025 11:42

Tgt Ion:113 Resp: 6225

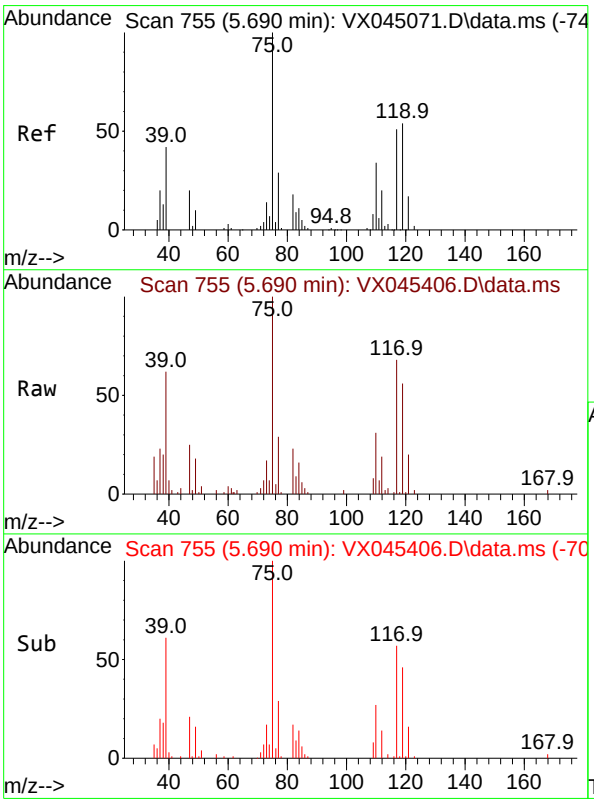
Ion	Ratio	Lower	Upper
113	100		
111	103.0	81.8	122.6
192	16.8	14.3	21.5



Instrument :
MSVOA_X
ClientSampleId :
VX0324WBS01

Manual Integrations APPROVED

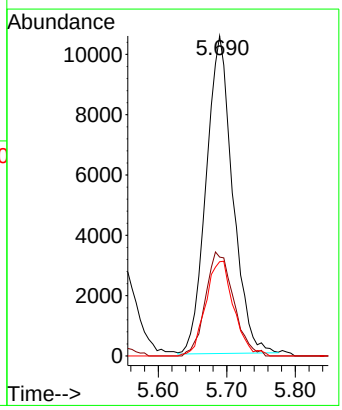
Reviewed By :John Carlone 03/25/2025
Supervised By :Mahesh Dadoda 03/25/2025

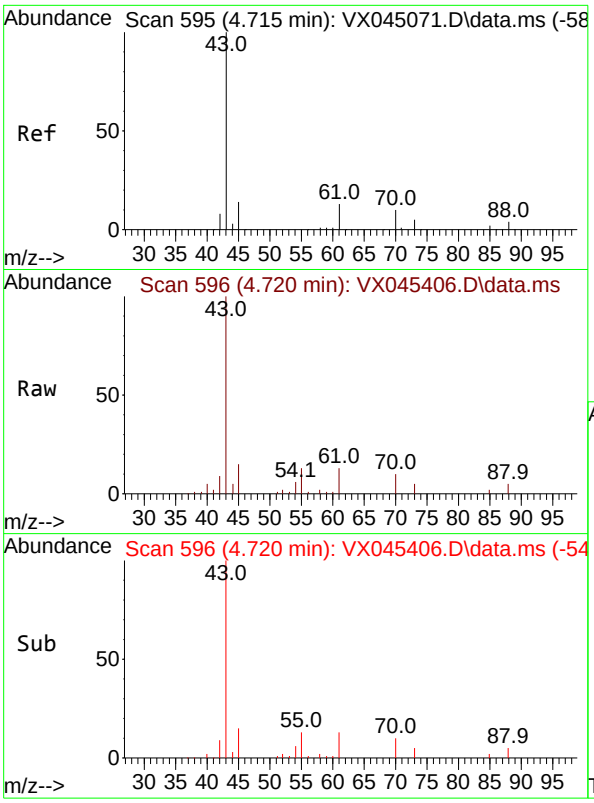


#36
1,1-Dichloropropene
Concen: 18.658 ug/l
RT: 5.690 min Scan# 755
Delta R.T. -0.000 min
Lab File: VX045406.D
Acq: 24 Mar 2025 11:42

Tgt Ion: 75 Resp: 28347

Ion	Ratio	Lower	Upper
75	100		
110	34.7	16.9	50.6
77	31.7	24.5	36.7

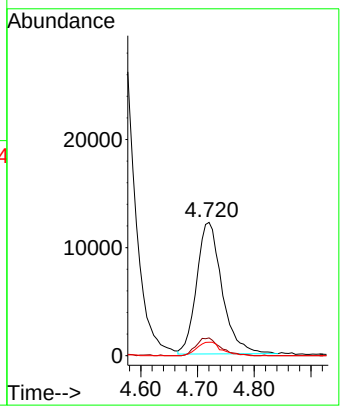




#37
Ethyl Acetate
Concen: 19.361 ug/l
RT: 4.720 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX045406.D
Acq: 24 Mar 2025 11:42

Tgt Ion: 43 Resp: 3790

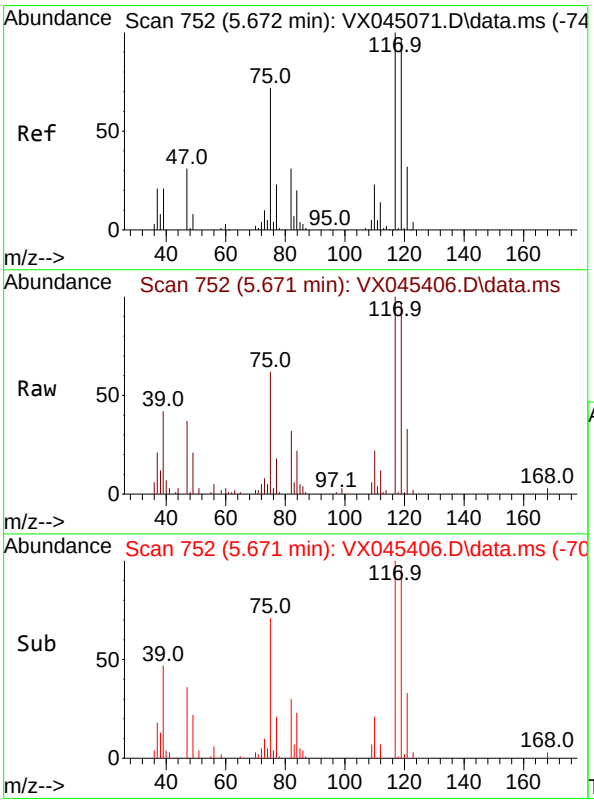
Ion	Ratio	Lower	Upper
43	100		
61	12.9	10.8	16.2
70	9.9	7.7	11.5



Instrument :
MSVOA_X
ClientSampleId :
VX0324WBS01

Manual Integrations
APPROVED

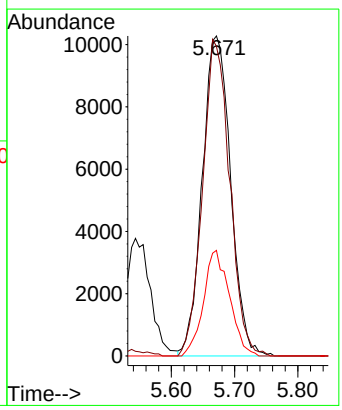
Reviewed By :John Carlone 03/25/2025
Supervised By :Mahesh Dadoda 03/25/2025

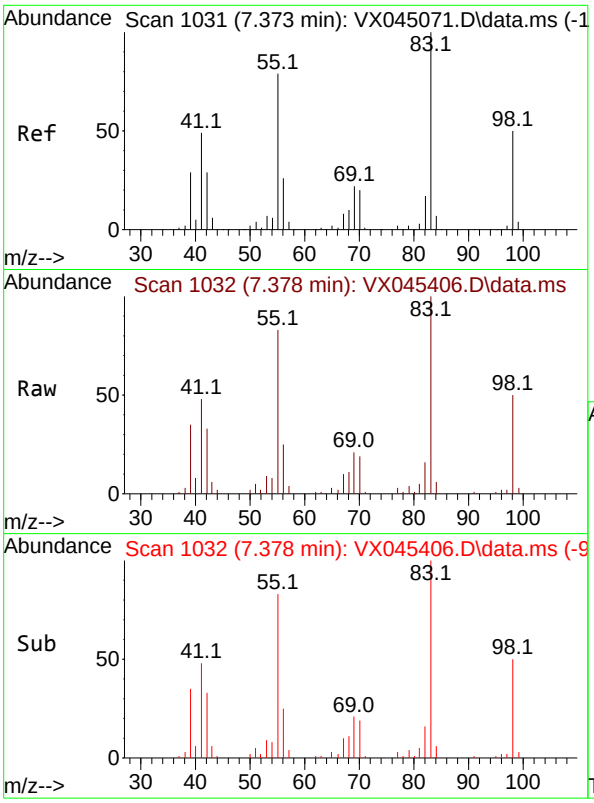


#38
Carbon Tetrachloride
Concen: 20.729 ug/l
RT: 5.671 min Scan# 752
Delta R.T. -0.000 min
Lab File: VX045406.D
Acq: 24 Mar 2025 11:42

Tgt Ion:117 Resp: 31973

Ion	Ratio	Lower	Upper
117	100		
119	96.7	76.7	115.1
121	33.0	25.5	38.3

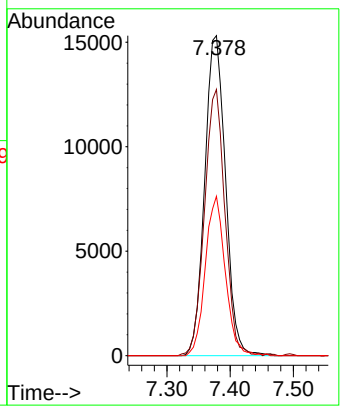




#39
Methylcyclohexane
Concen: 19.247 ug/l
RT: 7.378 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045406.D
Acq: 24 Mar 2025 11:42

Tgt Ion: 83 Resp: 3503

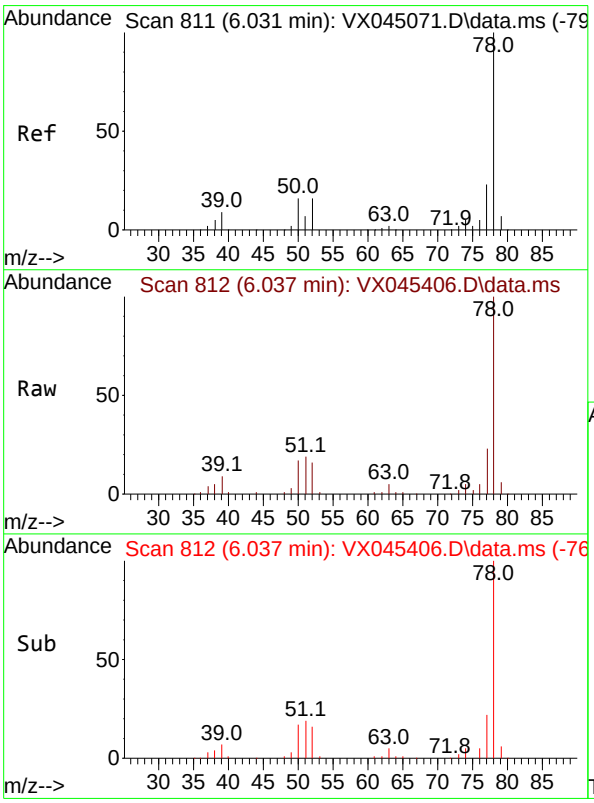
Ion	Ratio	Lower	Upper
83	100		
55	83.2	63.0	94.4
98	49.8	39.7	59.5



Instrument :
MSVOA_X
ClientSampleId :
VX0324WBS01

Manual Integrations APPROVED

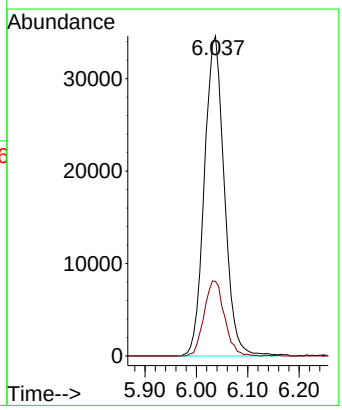
Reviewed By :John Carlone 03/25/2025
Supervised By :Mahesh Dadoda 03/25/2025

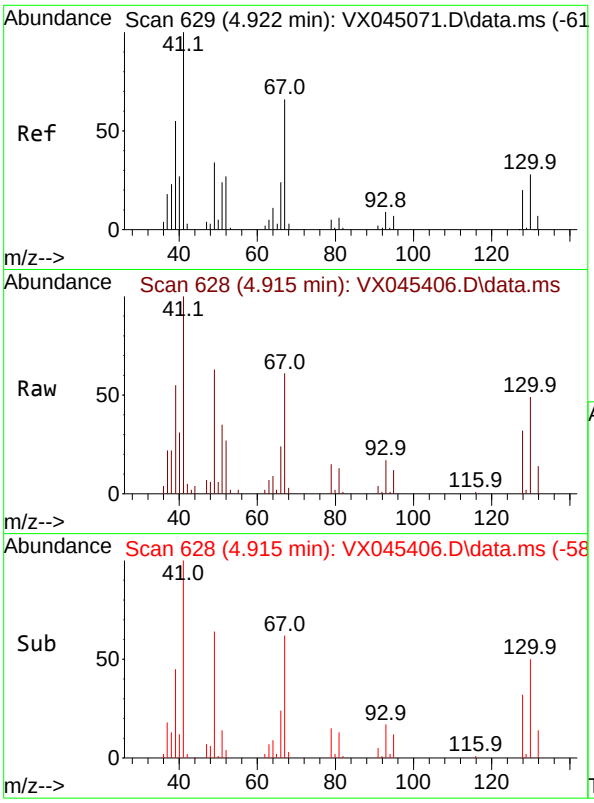


#40
Benzene
Concen: 19.447 ug/l
RT: 6.037 min Scan# 812
Delta R.T. 0.006 min
Lab File: VX045406.D
Acq: 24 Mar 2025 11:42

Tgt Ion: 78 Resp: 93297

Ion	Ratio	Lower	Upper
78	100		
77	23.3	18.8	28.2

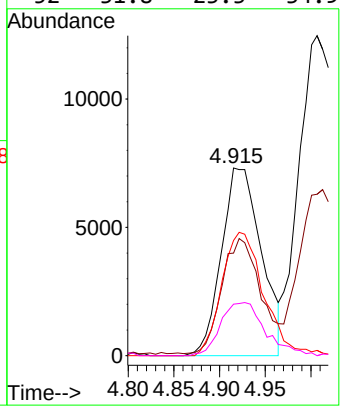




#41
Methacrylonitrile
Concen: 21.010 ug/l
RT: 4.915 min Scan# 6
Delta R.T. -0.007 min
Lab File: VX045406.D
Acq: 24 Mar 2025 11:42

Tgt Ion: 41 Resp: 2224

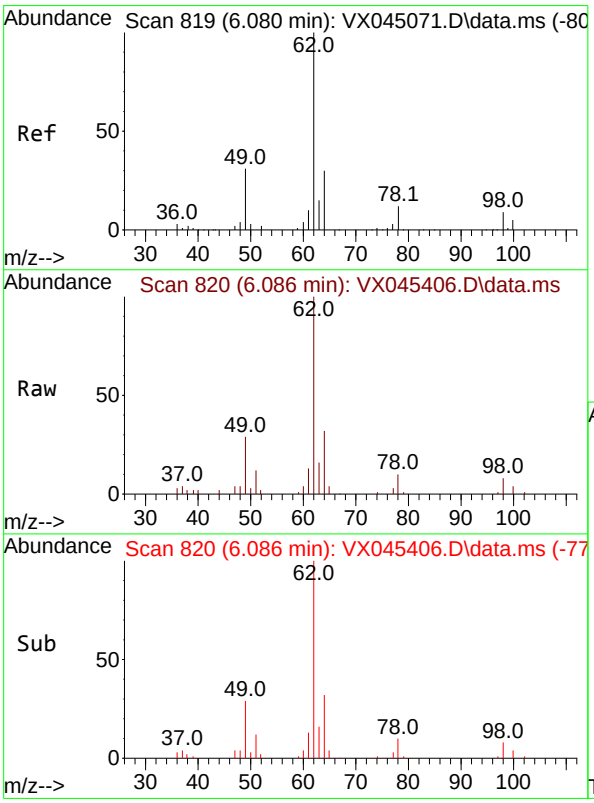
Ion	Ratio	Lower	Upper
41	100		
39	61.1	44.6	67.0
67	69.4	53.9	80.9
52	31.8	23.3	34.9



Instrument :
MSVOA_X
ClientSampleId :
VX0324WBS01

Manual Integrations
APPROVED

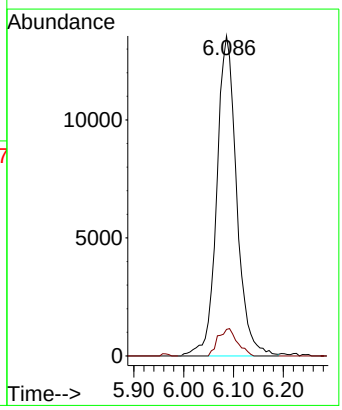
Reviewed By :John Carlone 03/25/2025
Supervised By :Mahesh Dadoda 03/25/2025

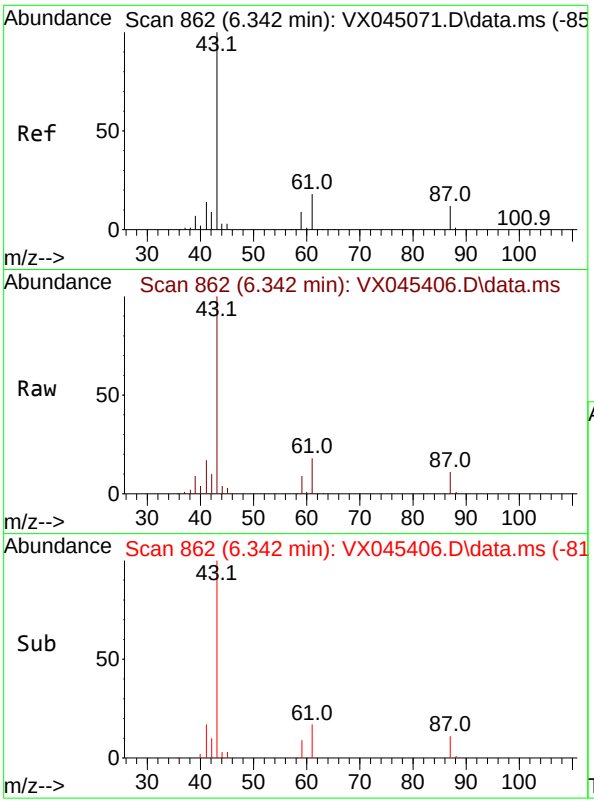


#42
1,2-Dichloroethane
Concen: 21.755 ug/l
RT: 6.086 min Scan# 820
Delta R.T. 0.006 min
Lab File: VX045406.D
Acq: 24 Mar 2025 11:42

Tgt Ion: 62 Resp: 37584

Ion	Ratio	Lower	Upper
62	100		
98	8.2	0.0	18.2





#43
Isopropyl Acetate
Concen: 20.808 ug/l
RT: 6.342 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045406.D
Acq: 24 Mar 2025 11:42

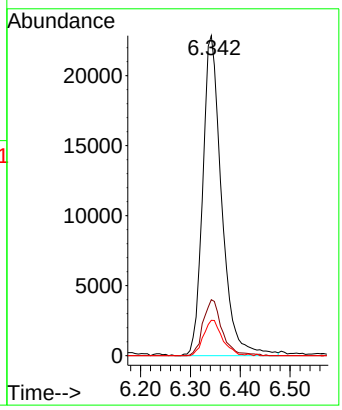
Tgt Ion: 43 Resp: 6023

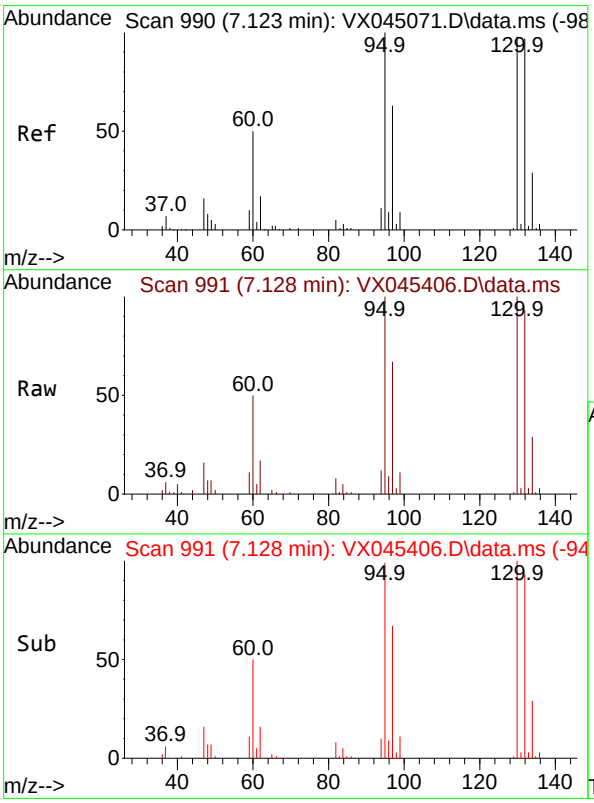
Ion	Ratio	Lower	Upper
43	100		
61	17.6	14.9	22.3
87	11.2	9.4	14.2

Instrument :
MSVOA_X
ClientSampleId :
VX0324WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/25/2025
Supervised By :Mahesh Dadoda 03/25/2025

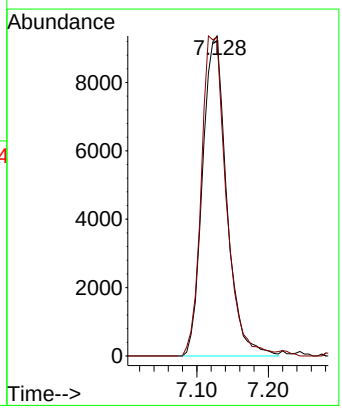


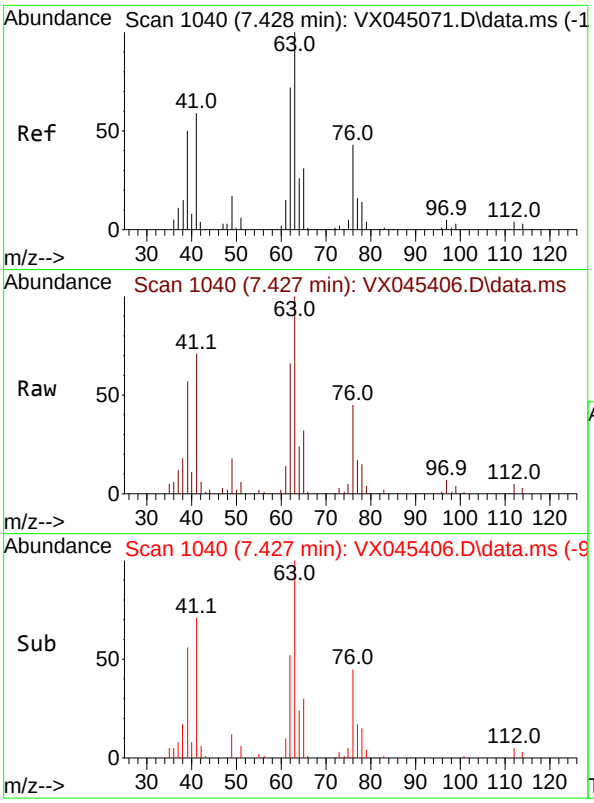


#44
Trichloroethene
Concen: 19.478 ug/l
RT: 7.128 min Scan# 991
Delta R.T. 0.006 min
Lab File: VX045406.D
Acq: 24 Mar 2025 11:42

Tgt Ion:130 Resp: 21942

Ion	Ratio	Lower	Upper
130	100		
95	99.6	0.0	205.0

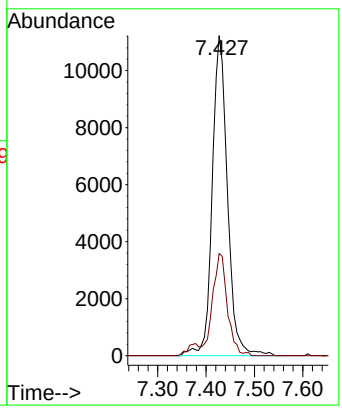




#45
1,2-Dichloropropane
Concen: 19.862 ug/l
RT: 7.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045406.D
Acq: 24 Mar 2025 11:42

Tgt Ion: 63 Resp: 2450

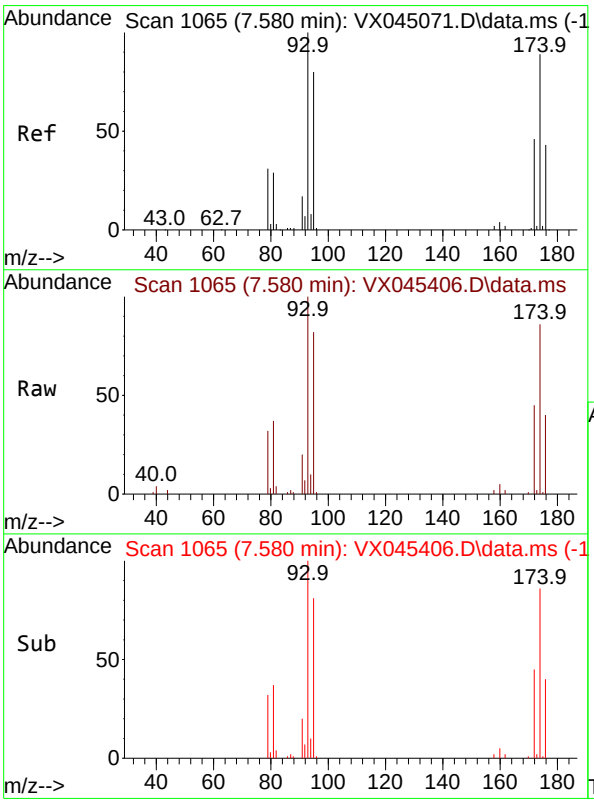
Ion	Ratio	Lower	Upper
63	100		
65	31.9	24.7	37.1



Instrument :
MSVOA_X
ClientSampleId :
VX0324WBS01

Manual Integrations
APPROVED

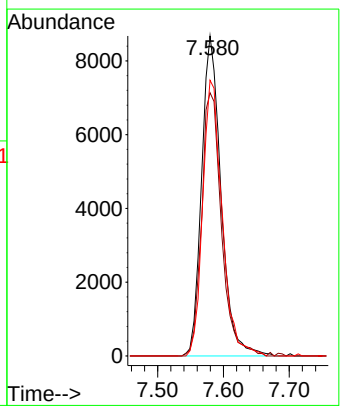
Reviewed By :John Carlone 03/25/2025
Supervised By :Mahesh Dadoda 03/25/2025

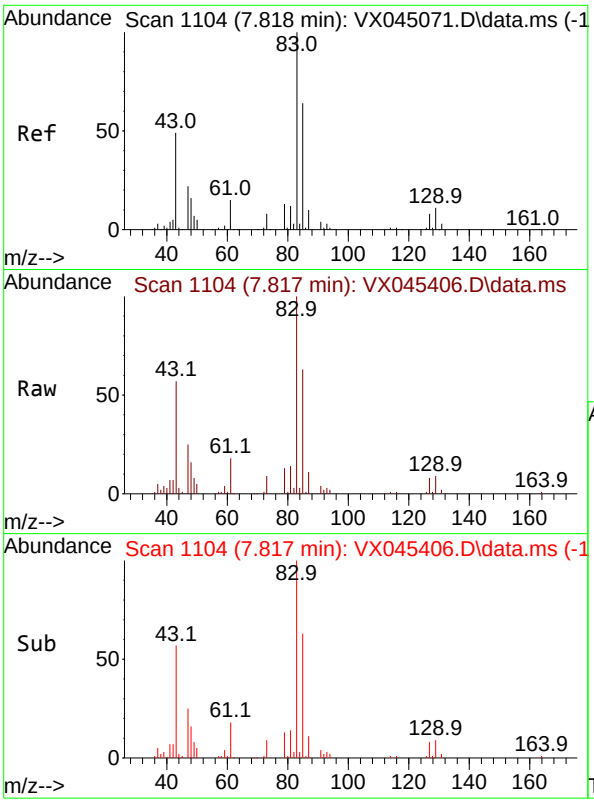


#46
Dibromomethane
Concen: 20.492 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VX045406.D
Acq: 24 Mar 2025 11:42

Tgt Ion: 93 Resp: 17866

Ion	Ratio	Lower	Upper
93	100		
95	83.9	65.8	98.8
174	86.2	72.2	108.2

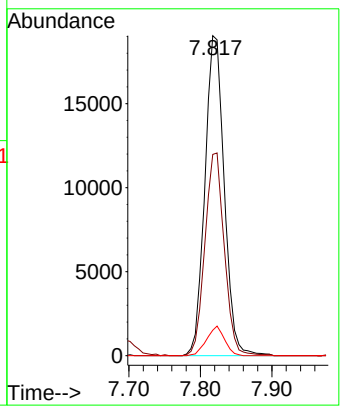




#47
Bromodichloromethane
Concen: 20.933 ug/l
RT: 7.817 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045406.D
Acq: 24 Mar 2025 11:42

Tgt Ion: 83 Resp: 3579

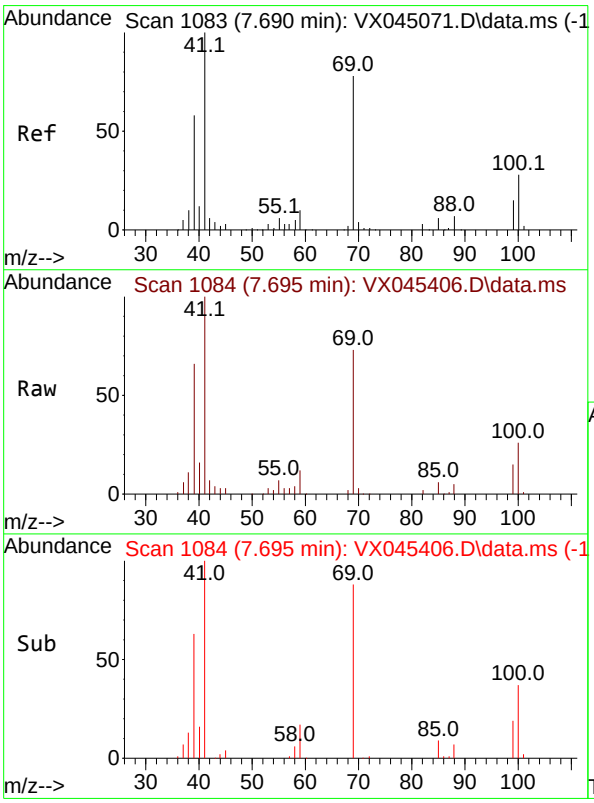
Ion	Ratio	Lower	Upper
83	100		
85	62.9	51.1	76.7
127	8.0	6.4	9.6



Instrument :
MSVOA_X
ClientSampleId :
VX0324WBS01

Manual Integrations
APPROVED

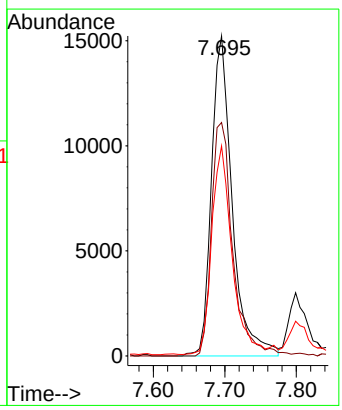
Reviewed By :John Carlone 03/25/2025
Supervised By :Mahesh Dadoda 03/25/2025

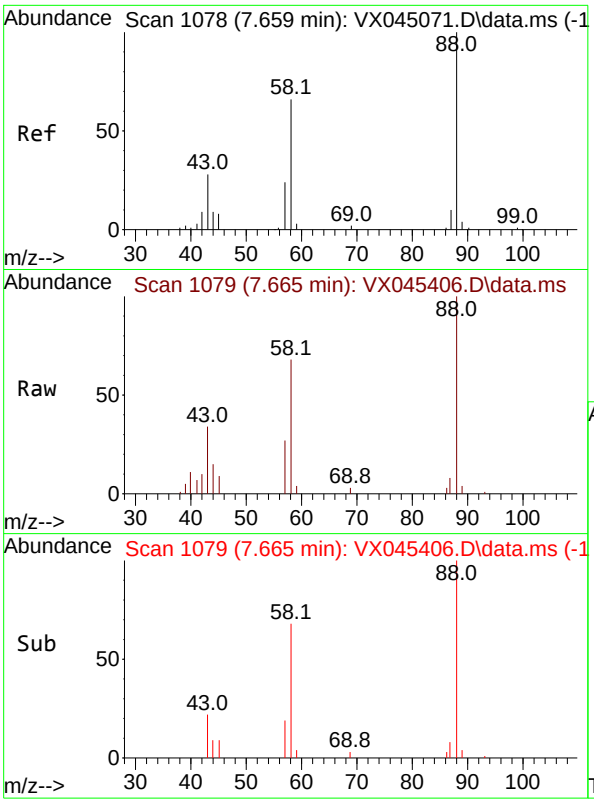


#48
Methyl methacrylate
Concen: 21.113 ug/l
RT: 7.695 min Scan# 1084
Delta R.T. 0.006 min
Lab File: VX045406.D
Acq: 24 Mar 2025 11:42

Tgt Ion: 41 Resp: 30664

Ion	Ratio	Lower	Upper
41	100		
69	75.2	63.0	94.6
39	64.0	47.5	71.3





#49
1,4-Dioxane
Concen: 354.685 ug/l
RT: 7.665 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045406.D
Acq: 24 Mar 2025 11:42

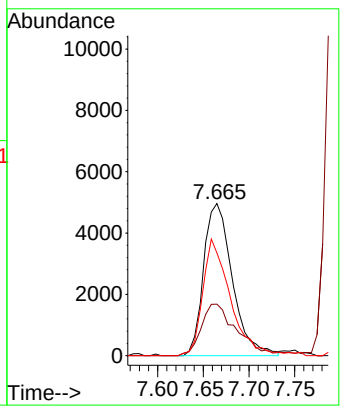
Tgt Ion: 88 Resp: 1086

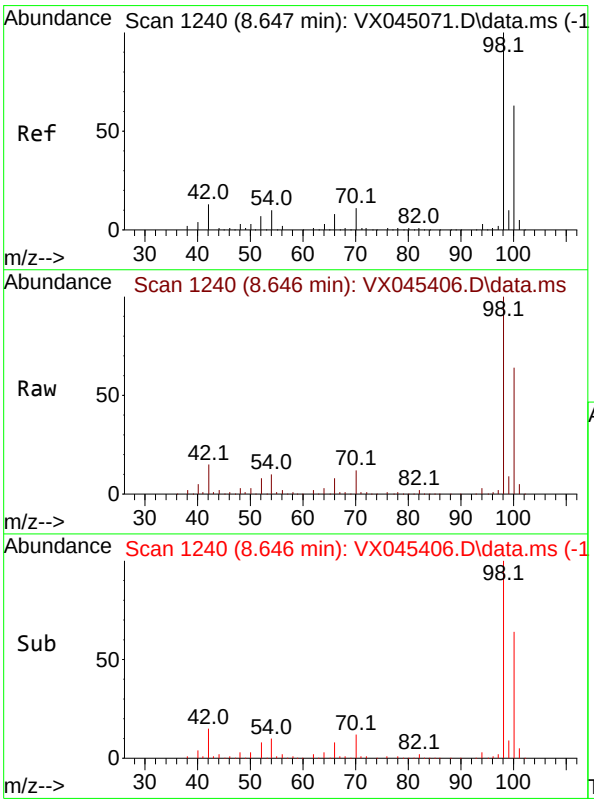
Ion	Ratio	Lower	Upper
88	100		
43	41.6	28.7	43.1
58	74.3	55.8	83.8

Instrument :
MSVOA_X
ClientSampleId :
VX0324WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/25/2025
Supervised By :Mahesh Dadoda 03/25/2025

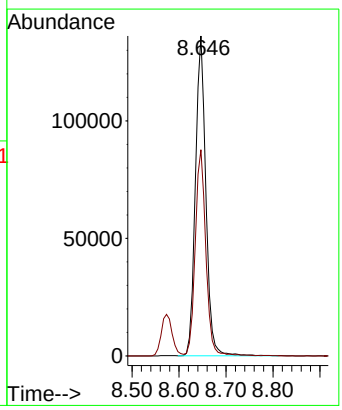


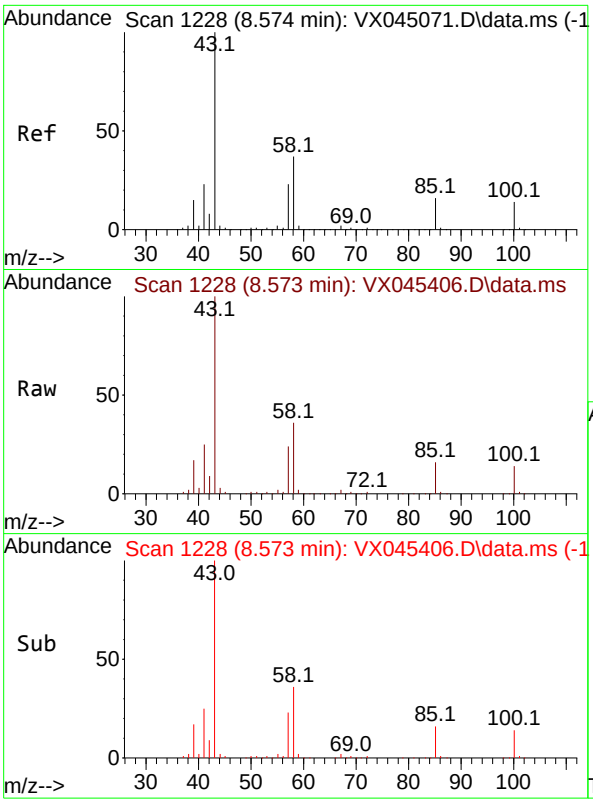


#50
Toluene-d8
Concen: 52.555 ug/l
RT: 8.646 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045406.D
Acq: 24 Mar 2025 11:42

Tgt Ion: 98 Resp: 211080

Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.0	78.0

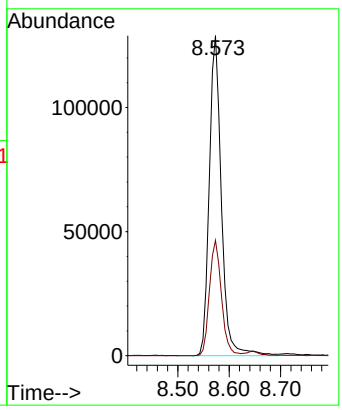




#51
4-Methyl-2-Pentanone
Concen: 108.606 ug/l
RT: 8.573 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045406.D
Acq: 24 Mar 2025 11:42

Tgt Ion: 43 Resp: 21110

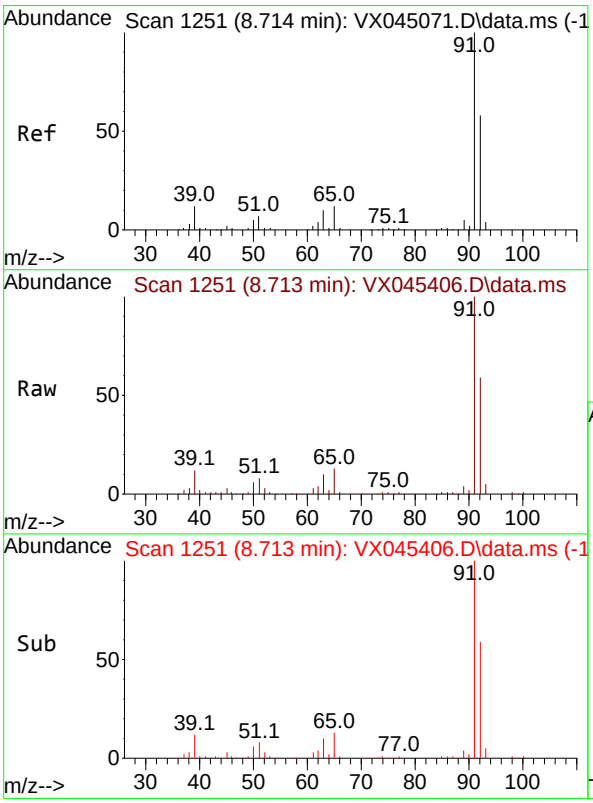
Ion	Ratio	Lower	Upper
43	100		
58	35.7	29.2	43.8



Instrument :
MSVOA_X
ClientSampleId :
VX0324WBS01

Manual Integrations
APPROVED

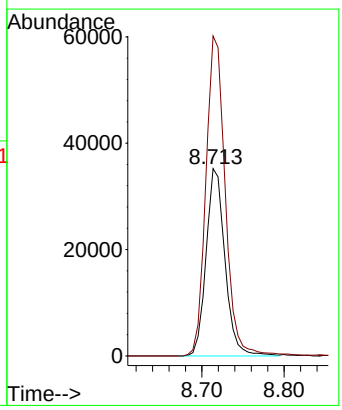
Reviewed By :John Carlone 03/25/2025
Supervised By :Mahesh Dadoda 03/25/2025

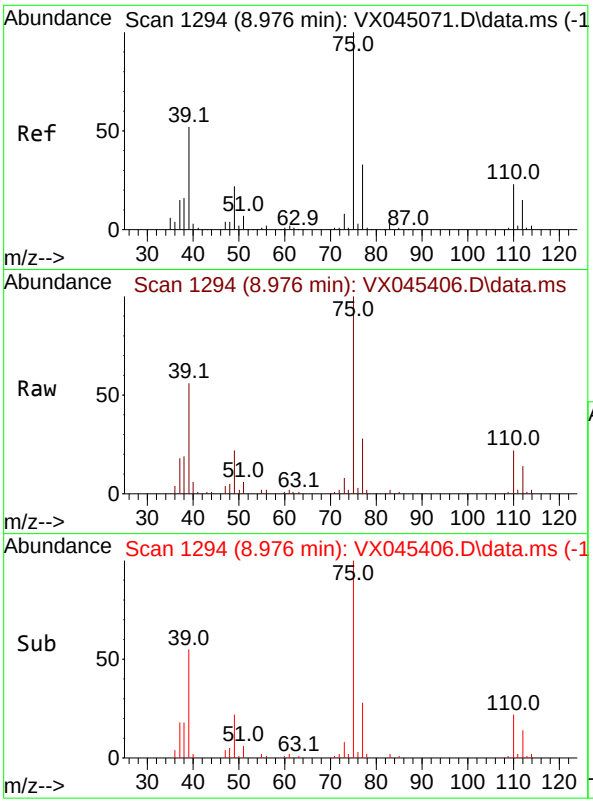


#52
Toluene
Concen: 19.962 ug/l
RT: 8.713 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX045406.D
Acq: 24 Mar 2025 11:42

Tgt Ion: 92 Resp: 56190

Ion	Ratio	Lower	Upper
92	100		
91	175.5	138.9	208.3

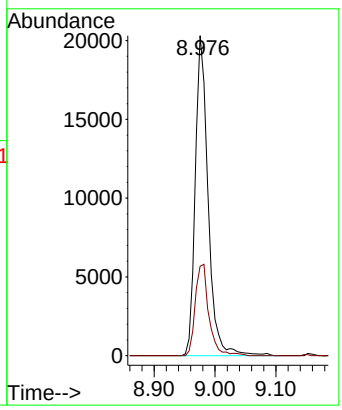




#53
t-1,3-Dichloropropene
Concen: 20.756 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045406.D
Acq: 24 Mar 2025 11:42

Tgt Ion: 75 Resp: 2967

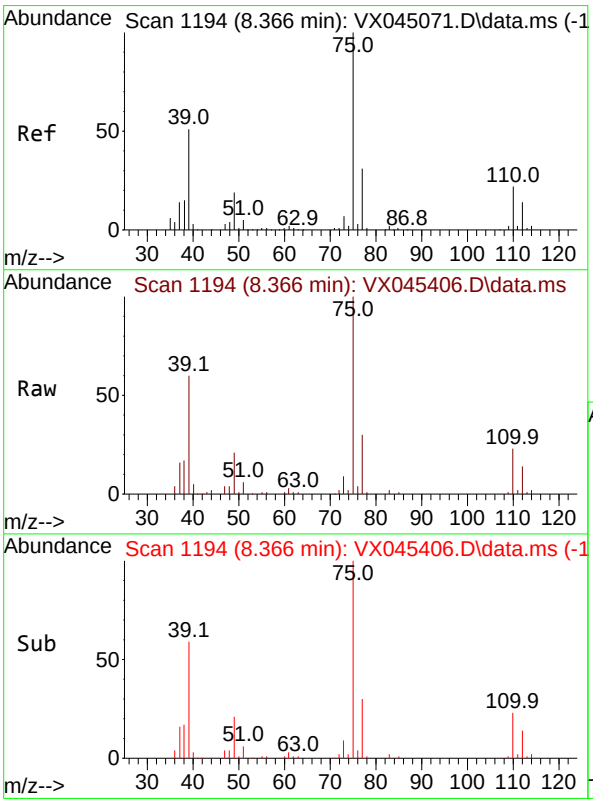
Ion	Ratio	Lower	Upper
75	100		
77	27.9	26.5	39.7



Instrument :
MSVOA_X
ClientSampleId :
VX0324WBS01

Manual Integrations APPROVED

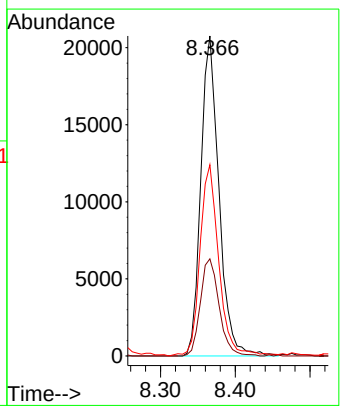
Reviewed By :John Carlone 03/25/2025
Supervised By :Mahesh Dadoda 03/25/2025

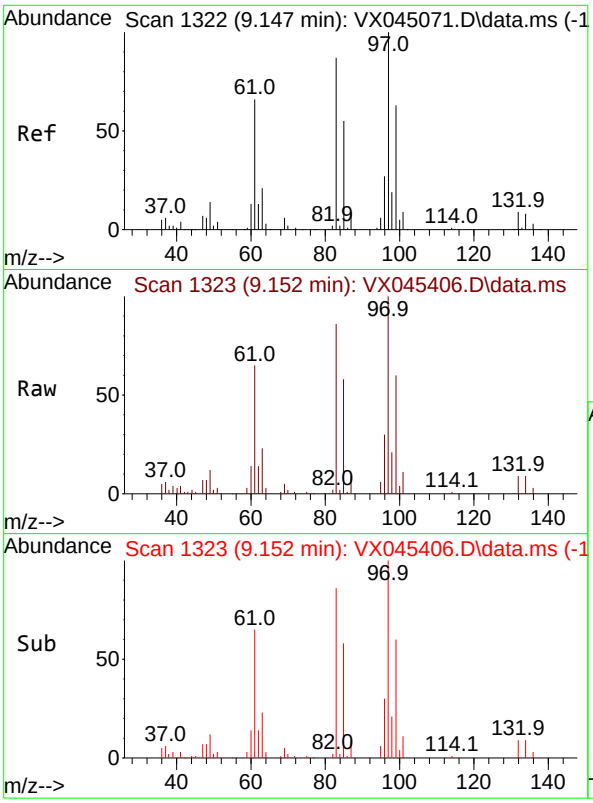


#54
cis-1,3-Dichloropropene
Concen: 20.995 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. -0.000 min
Lab File: VX045406.D
Acq: 24 Mar 2025 11:42

Tgt Ion: 75 Resp: 35002

Ion	Ratio	Lower	Upper
75	100		
77	30.4	24.7	37.1
39	59.3	40.7	61.1

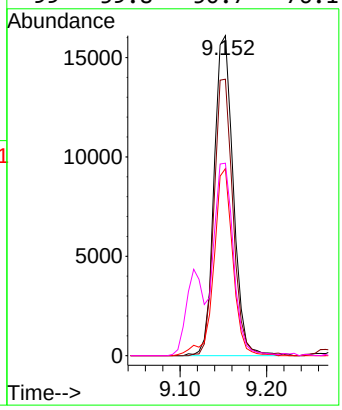




#55
1,1,2-Trichloroethane
Concen: 21.281 ug/l
RT: 9.152 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045406.D
Acq: 24 Mar 2025 11:42

Tgt Ion: 97 Resp: 2466

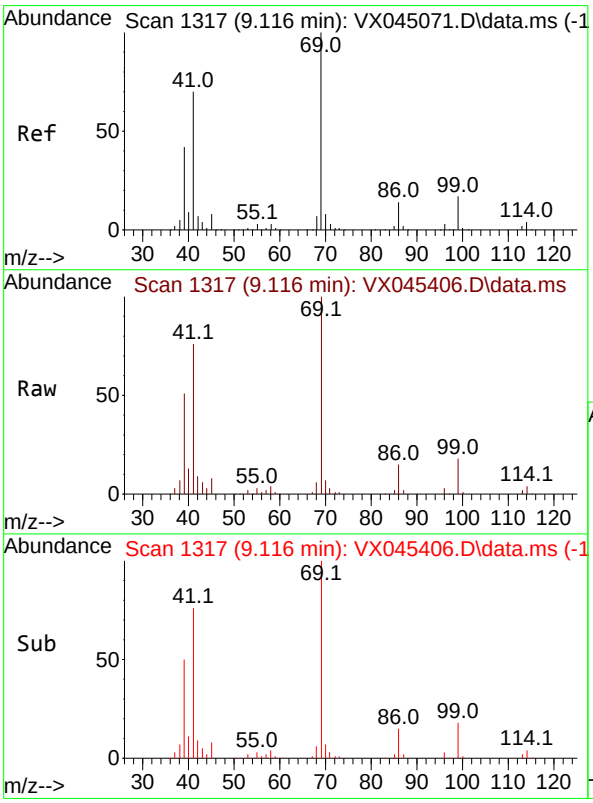
Ion	Ratio	Lower	Upper
97	100		
83	86.4	69.4	104.2
85	58.5	44.1	66.1
99	59.8	50.7	76.1



Instrument :
MSVOA_X
ClientSampleId :
VX0324WBS01

Manual Integrations
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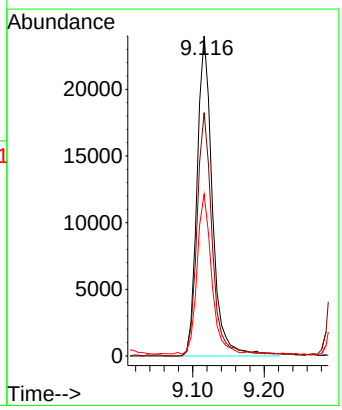
Reviewed By :John Carlone 03/25/2025
Supervised By :Mahesh Dadoda 03/25/2025

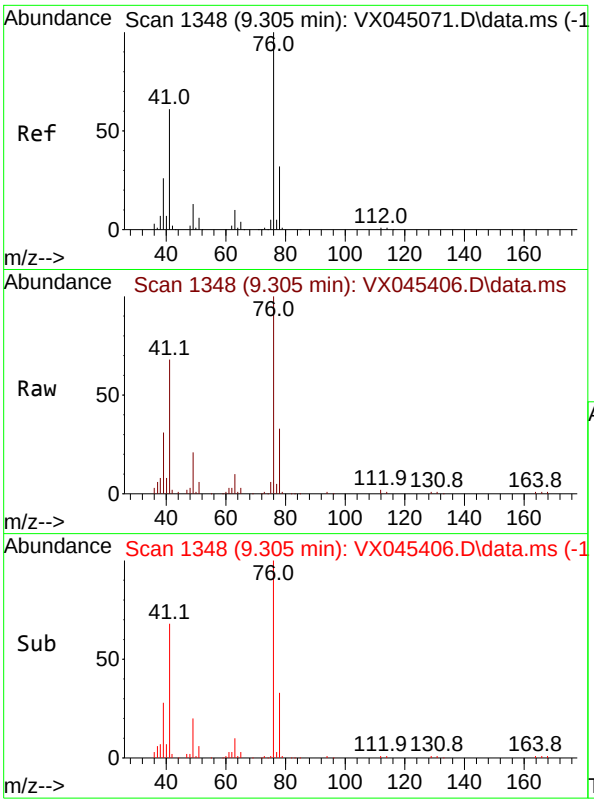


#56
Ethyl methacrylate
Concen: 20.307 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX045406.D
Acq: 24 Mar 2025 11:42

Tgt Ion: 69 Resp: 35770

Ion	Ratio	Lower	Upper
69	100		
41	75.1	57.0	85.4
39	47.2	34.2	51.4

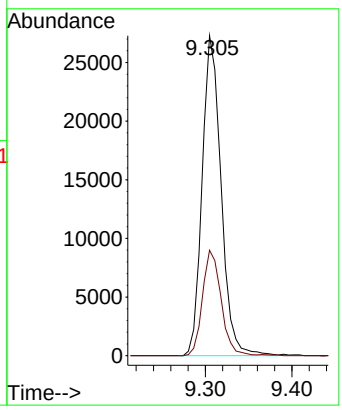




#57
1,3-Dichloropropane
Concen: 20.668 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045406.D
Acq: 24 Mar 2025 11:42

Tgt Ion: 76 Resp: 4144

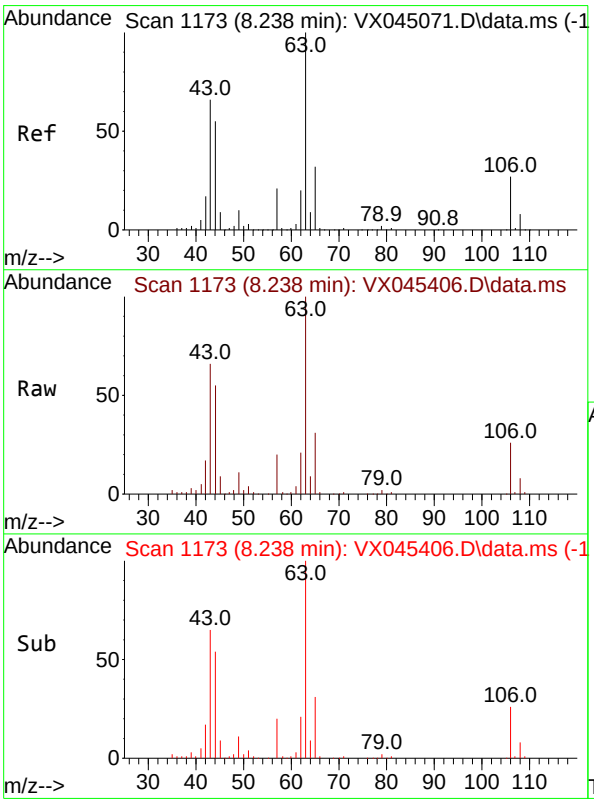
Ion	Ratio	Lower	Upper
76	100		
78	32.6	25.5	38.3



Instrument :
MSVOA_X
ClientSampleId :
VX0324WBS01

Manual Integrations
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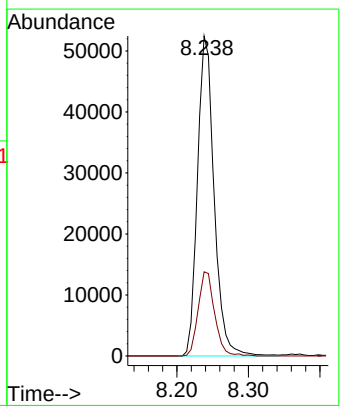
Reviewed By :John Carlone 03/25/2025
Supervised By :Mahesh Dadoda 03/25/2025

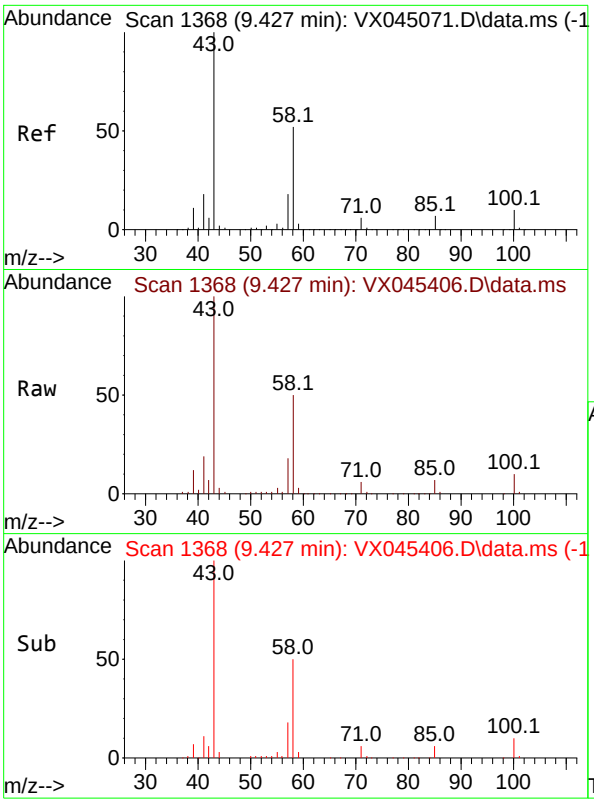


#58
2-Chloroethyl Vinyl ether
Concen: 98.601 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX045406.D
Acq: 24 Mar 2025 11:42

Tgt Ion: 63 Resp: 84723

Ion	Ratio	Lower	Upper
63	100		
106	26.0	21.5	32.3

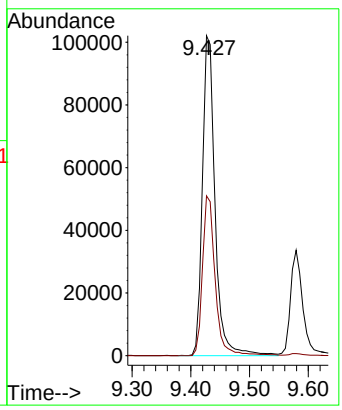




#59
2-Hexanone
Concen: 108.646 ug/l
RT: 9.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045406.D
Acq: 24 Mar 2025 11:42

Tgt Ion: 43 Resp: 15301

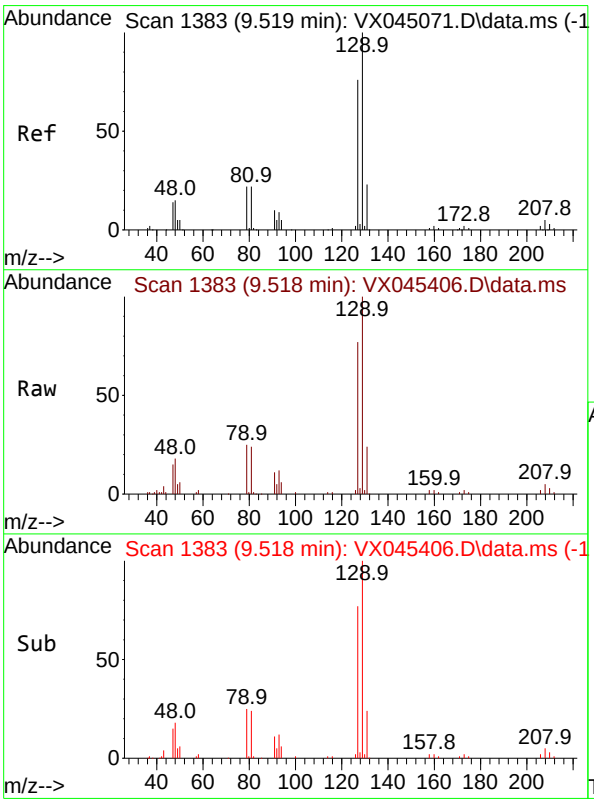
Ion	Ratio	Lower	Upper
43	100		
58	50.3	25.9	77.6



Instrument :
MSVOA_X
ClientSampleId :
VX0324WBS01

Manual Integrations
APPROVED

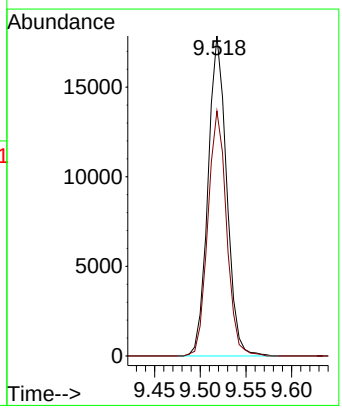
Reviewed By :John Carlone 03/25/2025
Supervised By :Mahesh Dadoda 03/25/2025

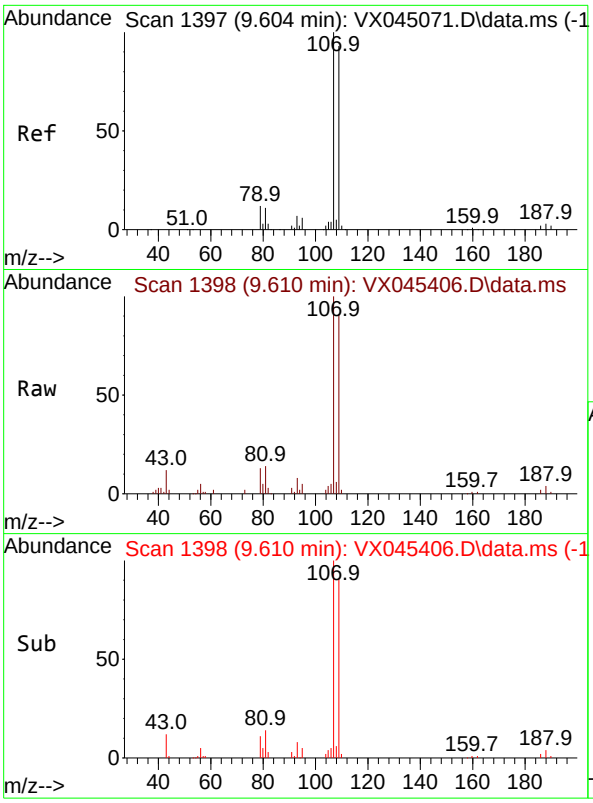


#60
Dibromochloromethane
Concen: 20.849 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX045406.D
Acq: 24 Mar 2025 11:42

Tgt Ion:129 Resp: 25261

Ion	Ratio	Lower	Upper
129	100		
127	76.5	38.5	115.5

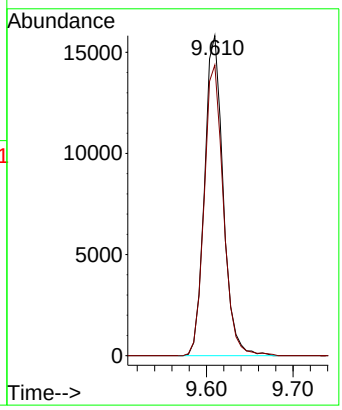




#61
1,2-Dibromoethane
Concen: 20.386 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045406.D
Acq: 24 Mar 2025 11:42

Tgt Ion:107 Resp: 2358

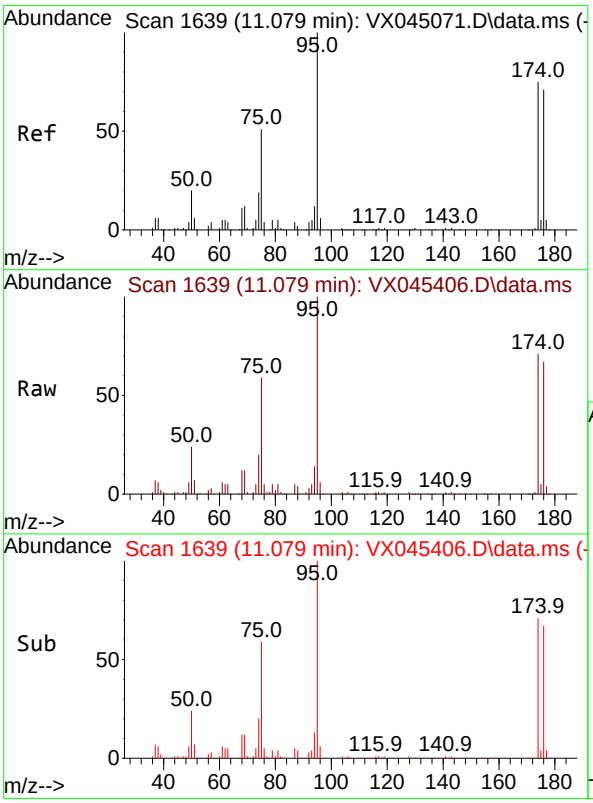
Ion	Ratio	Lower	Upper
107	100		
109	93.7	76.1	114.1



Instrument :
MSVOA_X
ClientSampleId :
VX0324WBS01

Manual Integrations
APPROVED

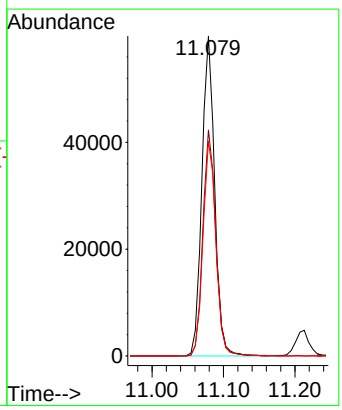
Reviewed By :John Carlone 03/25/2025
Supervised By :Mahesh Dadoda 03/25/2025

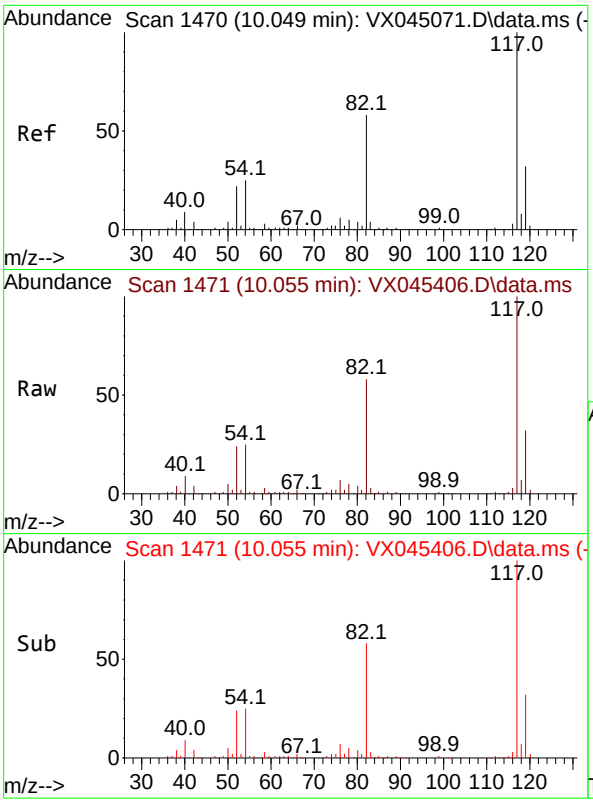


#62
4-Bromofluorobenzene
Concen: 55.853 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045406.D
Acq: 24 Mar 2025 11:42

Tgt Ion: 95 Resp: 74334

Ion	Ratio	Lower	Upper
95	100		
174	71.3	0.0	148.2
176	67.9	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: VX045406.D
Acq: 24 Mar 2025 11:42

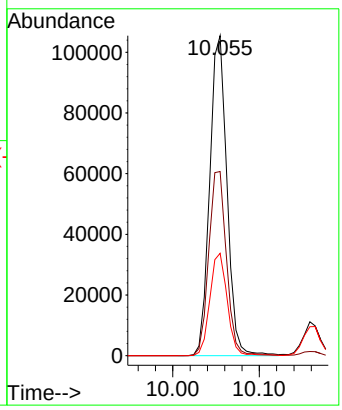
Tgt Ion:117 Resp: 14606

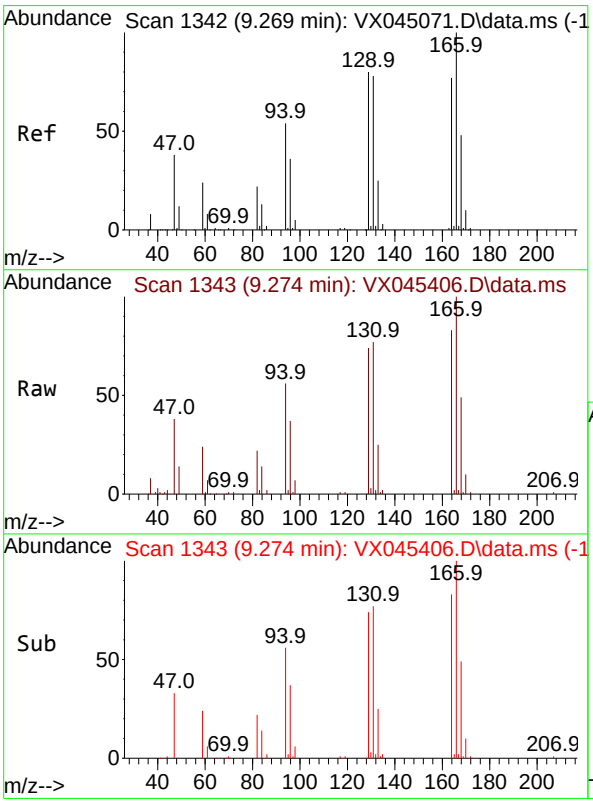
Ion	Ratio	Lower	Upper
117	100		
82	57.5	46.3	69.5
119	32.0	25.7	38.5

Instrument :
MSVOA_X
ClientSampleId :
VX0324WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/25/2025
Supervised By :Mahesh Dadoda 03/25/2025

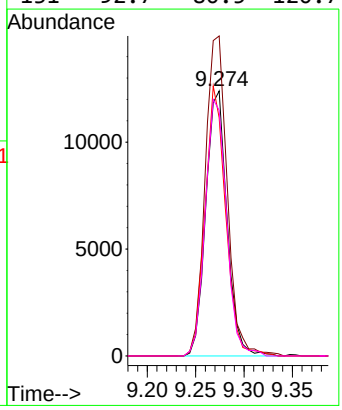


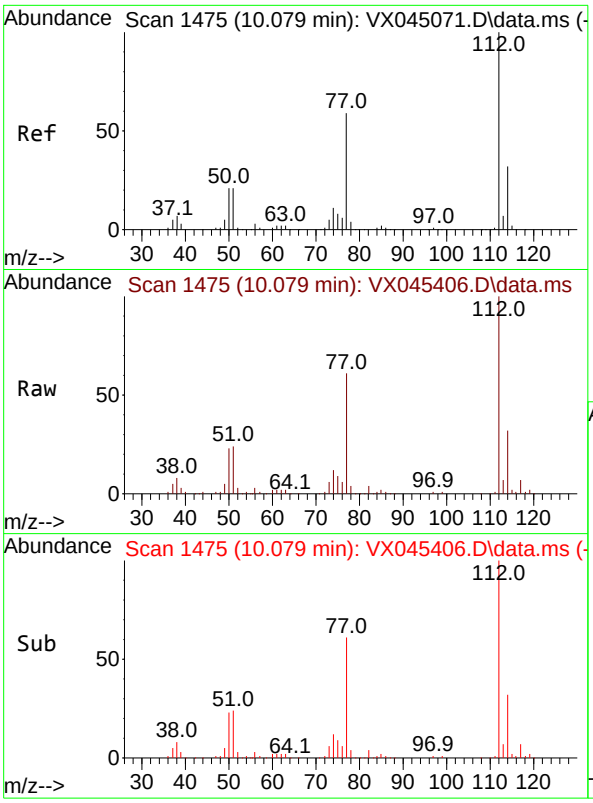


#64
Tetrachloroethene
Concen: 20.220 ug/l
RT: 9.274 min Scan# 1343
Delta R.T. 0.006 min
Lab File: VX045406.D
Acq: 24 Mar 2025 11:42

Tgt Ion:164 Resp: 18915

Ion	Ratio	Lower	Upper
164	100		
166	120.8	103.6	155.4
129	89.9	82.7	124.1
131	92.7	80.5	120.7

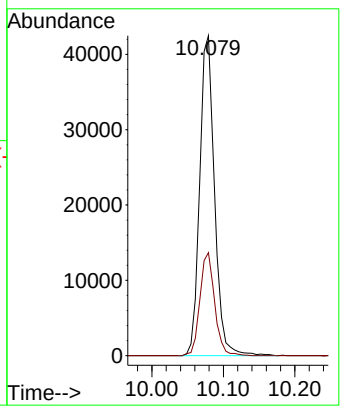




#65
Chlorobenzene
Concen: 19.801 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045406.D
Acq: 24 Mar 2025 11:42

Tgt Ion:112 Resp: 6119

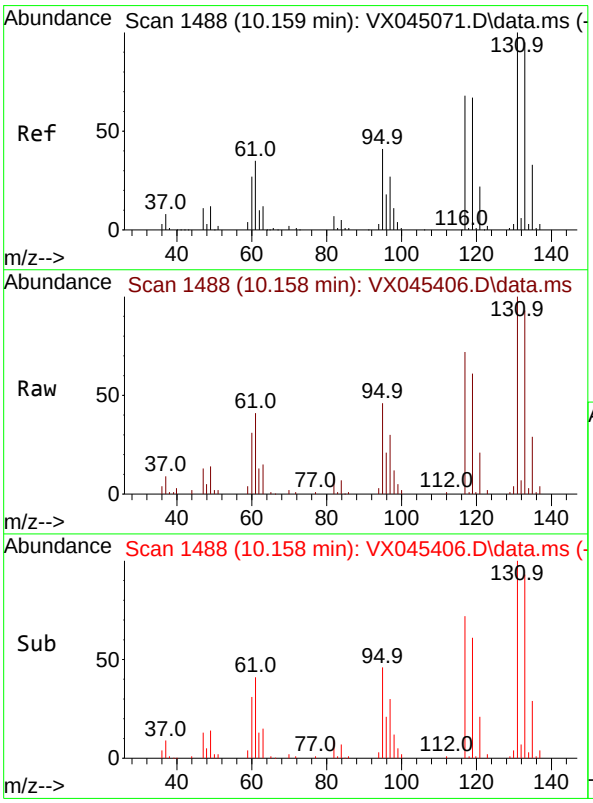
Ion	Ratio	Lower	Upper
112	100		
114	32.2	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
VX0324WBS01

Manual Integrations
APPROVED

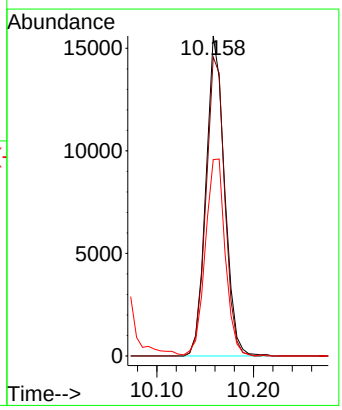
Reviewed By :John Carlone 03/25/2025
Supervised By :Mahesh Dadoda 03/25/2025

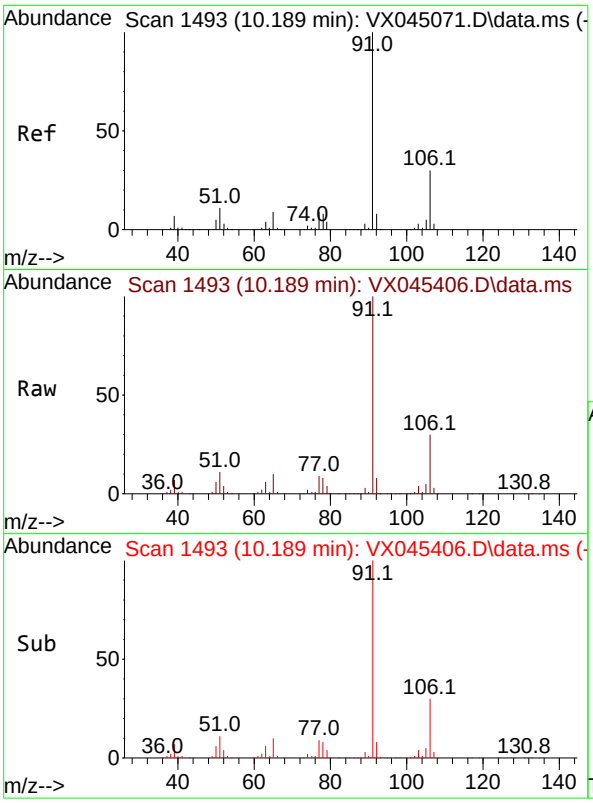


#66
1,1,1,2-Tetrachloroethane
Concen: 20.295 ug/l
RT: 10.158 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX045406.D
Acq: 24 Mar 2025 11:42

Tgt Ion:131 Resp: 20888

Ion	Ratio	Lower	Upper
131	100		
133	94.1	48.6	145.9
119	66.0	33.9	101.7

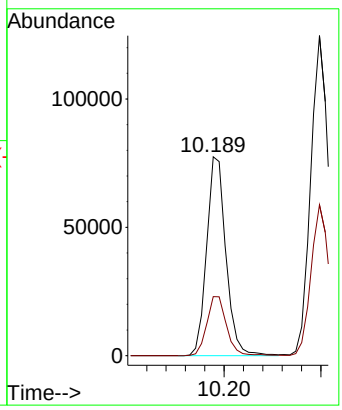




#67
Ethyl Benzene
Concen: 19.924 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045406.D
Acq: 24 Mar 2025 11:42

Tgt Ion: 91 Resp: 10729

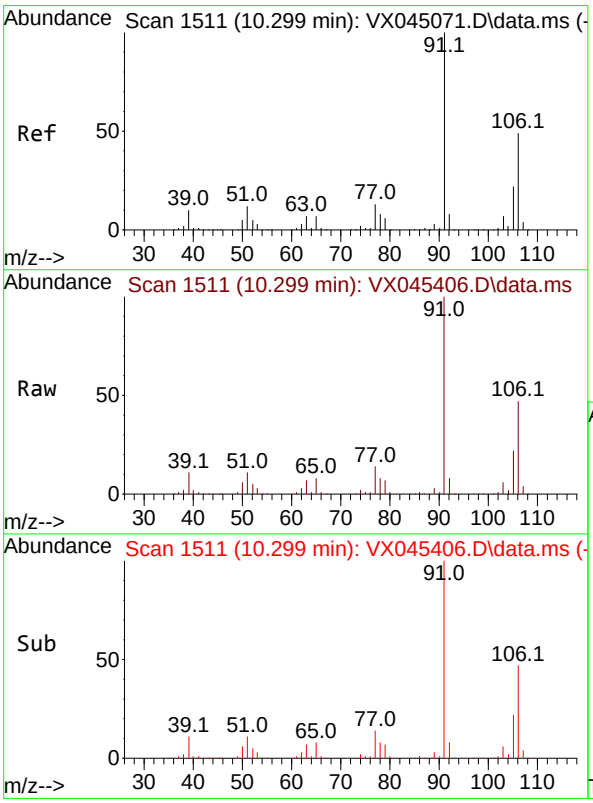
Ion	Ratio	Lower	Upper
91	100		
106	29.7	23.9	35.9



Instrument :
MSVOA_X
ClientSampleId :
VX0324WBS01

Manual Integrations
APPROVED

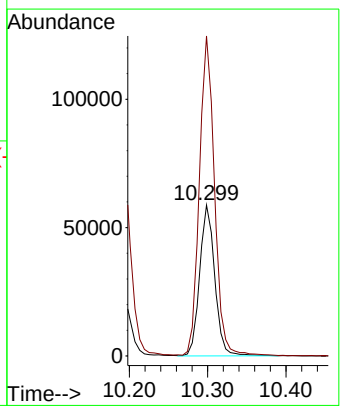
Reviewed By :John Carlone 03/25/2025
Supervised By :Mahesh Dadoda 03/25/2025

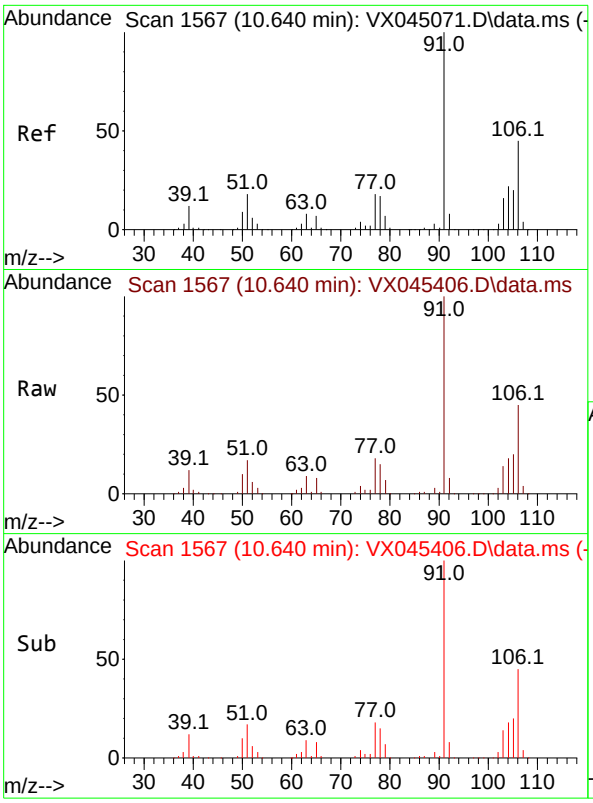


#68
m/p-Xylenes
Concen: 39.931 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX045406.D
Acq: 24 Mar 2025 11:42

Tgt Ion:106 Resp: 78719

Ion	Ratio	Lower	Upper
106	100		
91	212.9	165.4	248.0

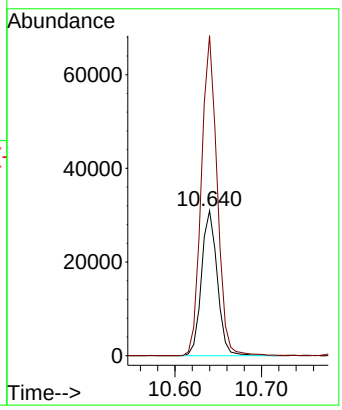




#69
o-Xylene
Concen: 19.718 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045406.D
Acq: 24 Mar 2025 11:42

Tgt Ion:106 Resp: 3920

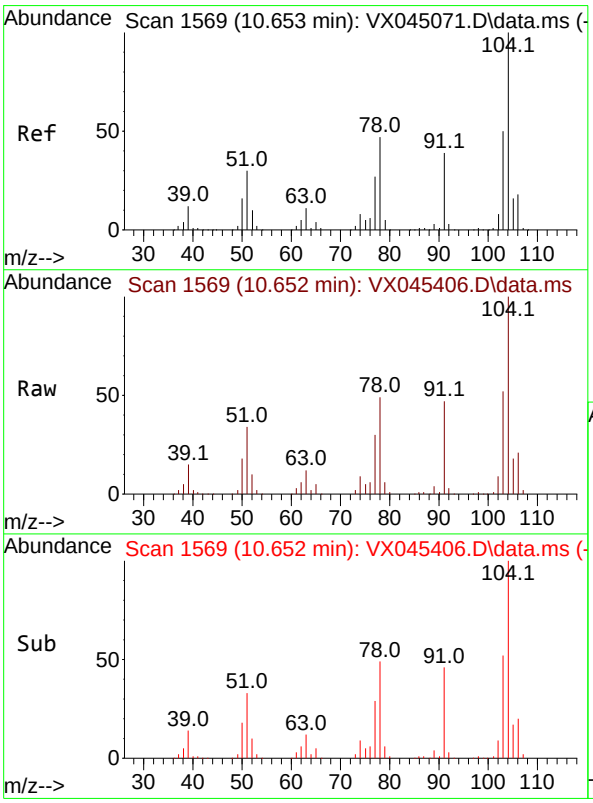
Ion	Ratio	Lower	Upper
106	100		
91	221.6	109.9	329.6



Instrument :
MSVOA_X
ClientSampleId :
VX0324WBS01

Manual Integrations
APPROVED

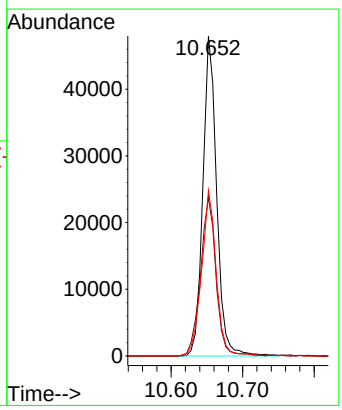
Reviewed By :John Carlone 03/25/2025
Supervised By :Mahesh Dadoda 03/25/2025

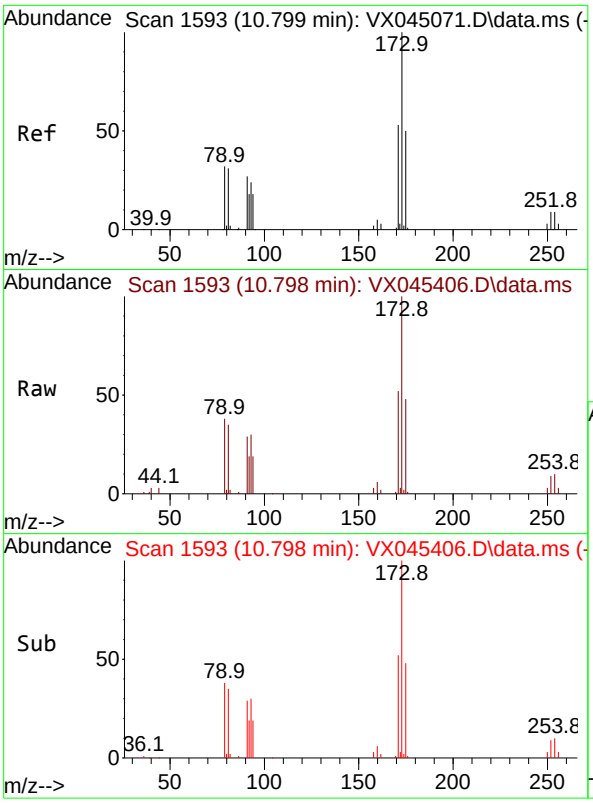


#70
Styrene
Concen: 20.038 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX045406.D
Acq: 24 Mar 2025 11:42

Tgt Ion:104 Resp: 64466

Ion	Ratio	Lower	Upper
104	100		
78	55.5	42.2	63.4
103	55.1	43.8	65.8

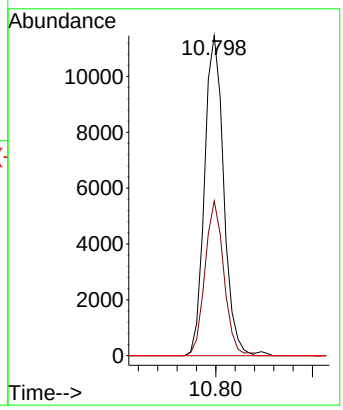




#71
Bromoform
Concen: 20.388 ug/l
RT: 10.798 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045406.D
Acq: 24 Mar 2025 11:42

Tgt Ion:173 Resp: 1582

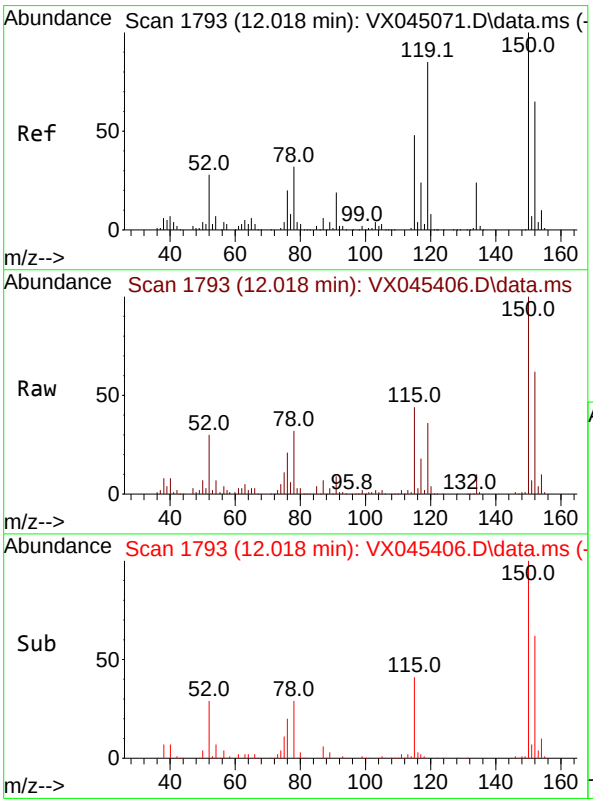
Ion	Ratio	Lower	Upper
173	100		
175	47.5	24.6	73.6
254	0.0	0.0	0.0



Instrument :
MSVOA_X
ClientSampleId :
VX0324WBS01

Manual Integrations APPROVED

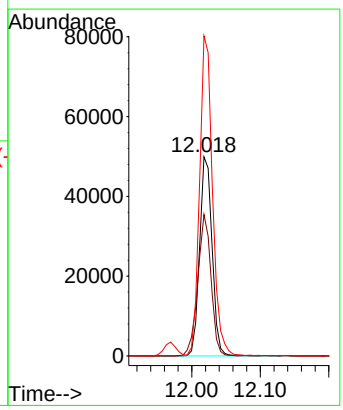
Reviewed By :John Carlone 03/25/2025
Supervised By :Mahesh Dadoda 03/25/2025

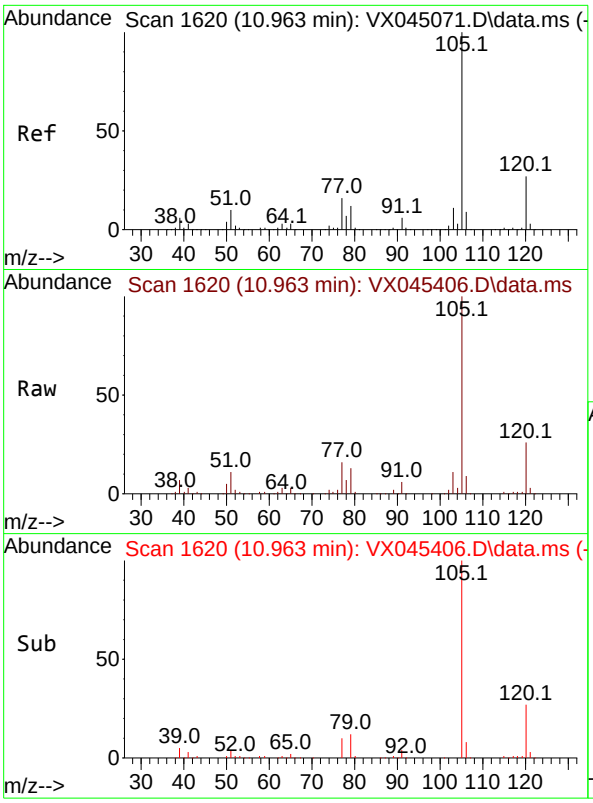


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045406.D
Acq: 24 Mar 2025 11:42

Tgt Ion:152 Resp: 63508

Ion	Ratio	Lower	Upper
152	100		
115	75.1	44.2	132.6
150	165.8	0.0	349.0

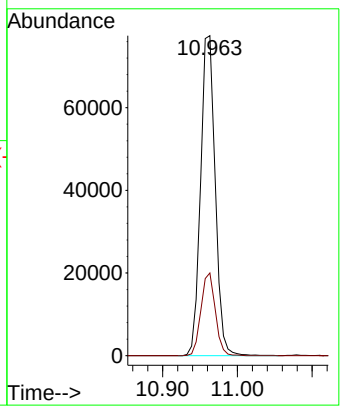




#73
Isopropylbenzene
Concen: 21.241 ug/l
RT: 10.963 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045406.D
Acq: 24 Mar 2025 11:42

Tgt Ion:105 Resp: 10529

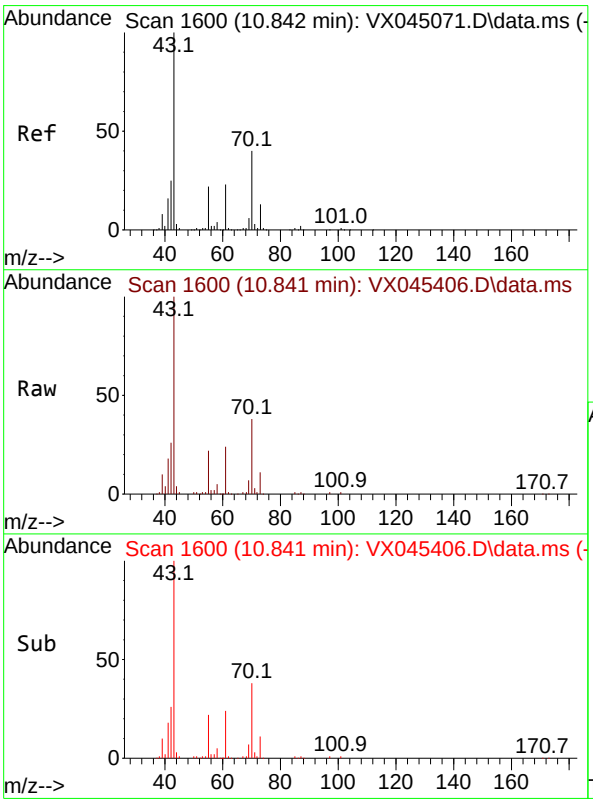
Ion	Ratio	Lower	Upper
105	100		
120	25.4	13.2	39.5



Instrument :
MSVOA_X
ClientSampleId :
VX0324WBS01

Manual Integrations APPROVED

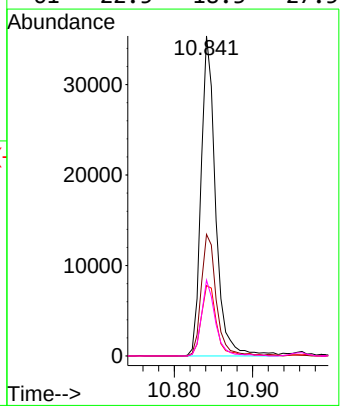
Reviewed By :John Carlone 03/25/2025
Supervised By :Mahesh Dadoda 03/25/2025

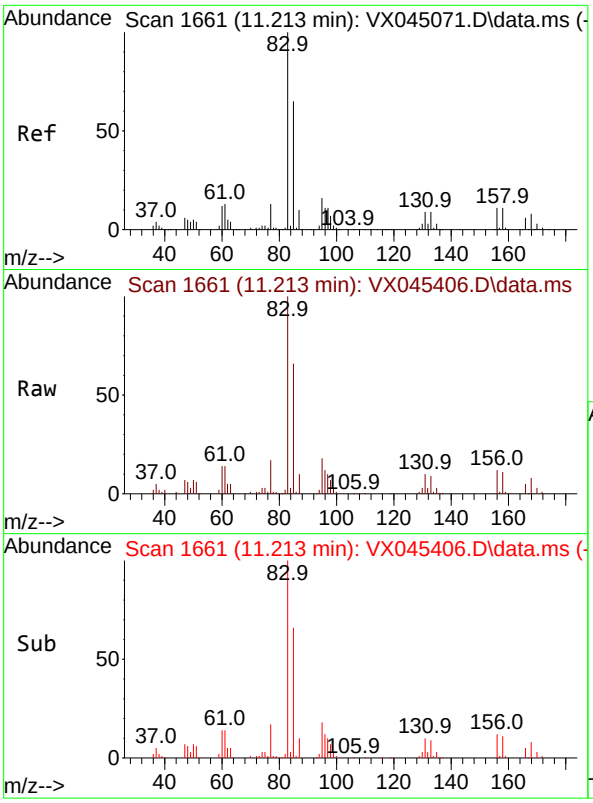


#74
N-amyl acetate
Concen: 19.594 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX045406.D
Acq: 24 Mar 2025 11:42

Tgt Ion: 43 Resp: 45575

Ion	Ratio	Lower	Upper
43	100		
70	39.3	31.8	47.6
55	23.3	18.3	27.5
61	22.5	18.3	27.5

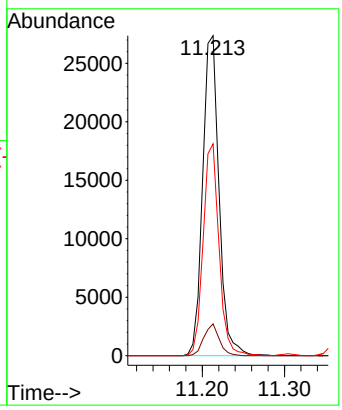




#75
1,1,2,2-Tetrachloroethane
Concen: 20.786 ug/l
RT: 11.213 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045406.D
Acq: 24 Mar 2025 11:42

Tgt Ion: 83 Resp: 3781

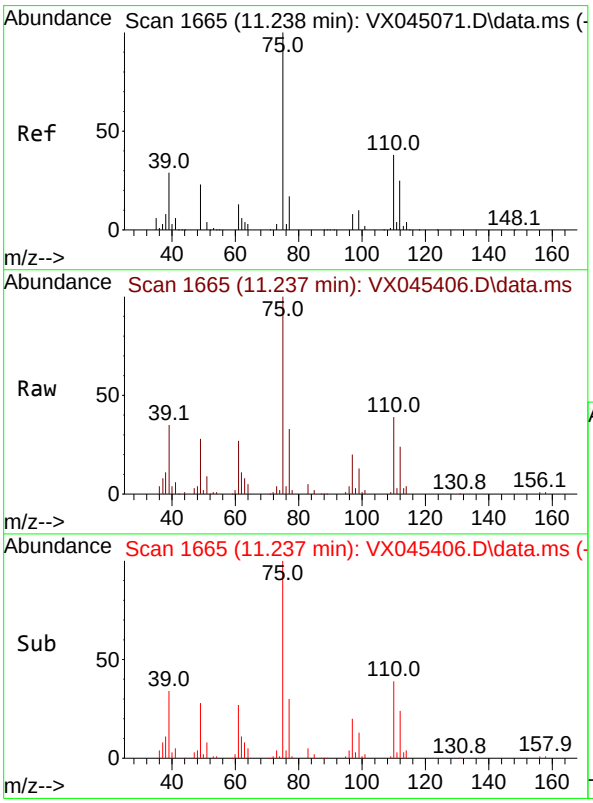
Ion	Ratio	Lower	Upper
83	100		
131	9.4	4.5	13.4
85	64.1	31.7	95.1



Instrument :
MSVOA_X
ClientSampleId :
VX0324WBS01

Manual Integrations
APPROVED

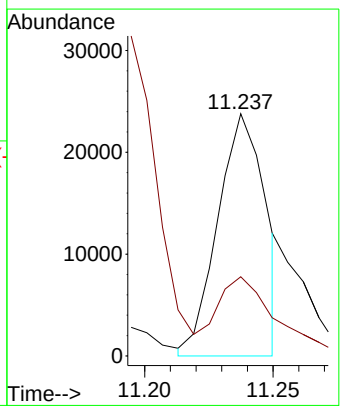
Reviewed By :John Carlone 03/25/2025
Supervised By :Mahesh Dadoda 03/25/2025

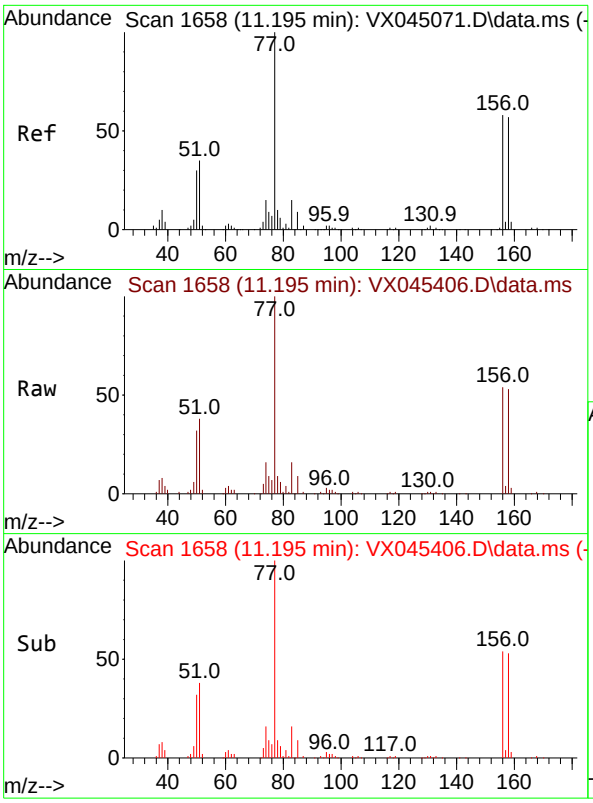


#76
1,2,3-Trichloropropane
Concen: 20.812 ug/l m
RT: 11.237 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX045406.D
Acq: 24 Mar 2025 11:42

Tgt Ion: 75 Resp: 30764

Ion	Ratio	Lower	Upper
75	100		
77	40.8	20.7	62.1

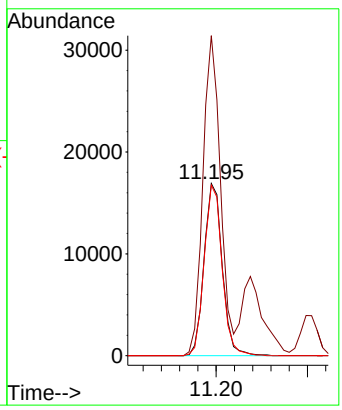




#77
Bromobenzene
Concen: 19.981 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045406.D
Acq: 24 Mar 2025 11:42

Tgt Ion:156 Resp: 2336

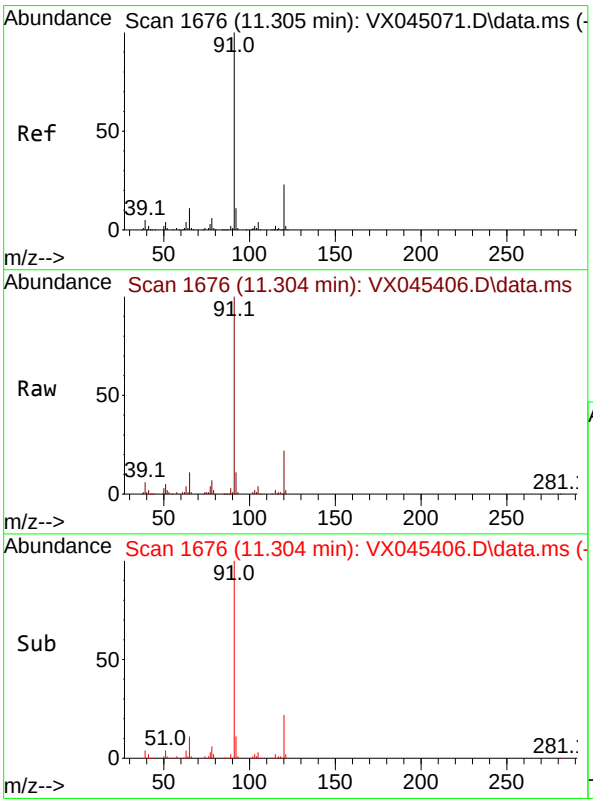
Ion	Ratio	Lower	Upper
156	100		
77	179.2	85.8	257.4
158	97.9	48.4	145.2



Instrument :
MSVOA_X
ClientSampleId :
VX0324WBS01

Manual Integrations
APPROVED

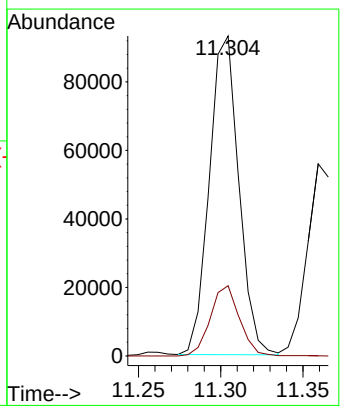
Reviewed By :John Carlone 03/25/2025
Supervised By :Mahesh Dadoda 03/25/2025

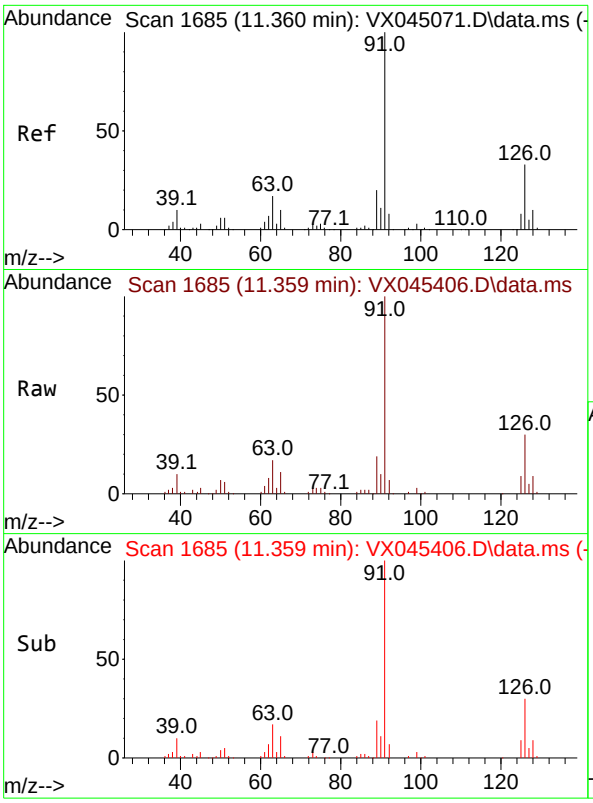


#78
n-propylbenzene
Concen: 20.764 ug/l
RT: 11.304 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX045406.D
Acq: 24 Mar 2025 11:42

Tgt Ion: 91 Resp: 116272

Ion	Ratio	Lower	Upper
91	100		
120	21.9	11.2	33.6

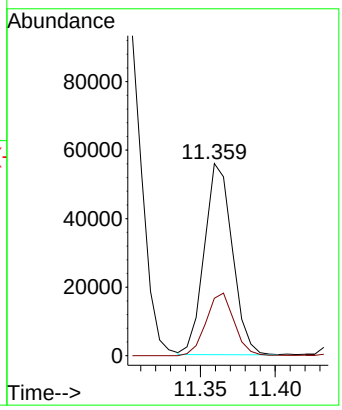




#79
2-Chlorotoluene
Concen: 20.383 ug/l
RT: 11.359 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045406.D
Acq: 24 Mar 2025 11:42

Tgt Ion: 91 Resp: 7268

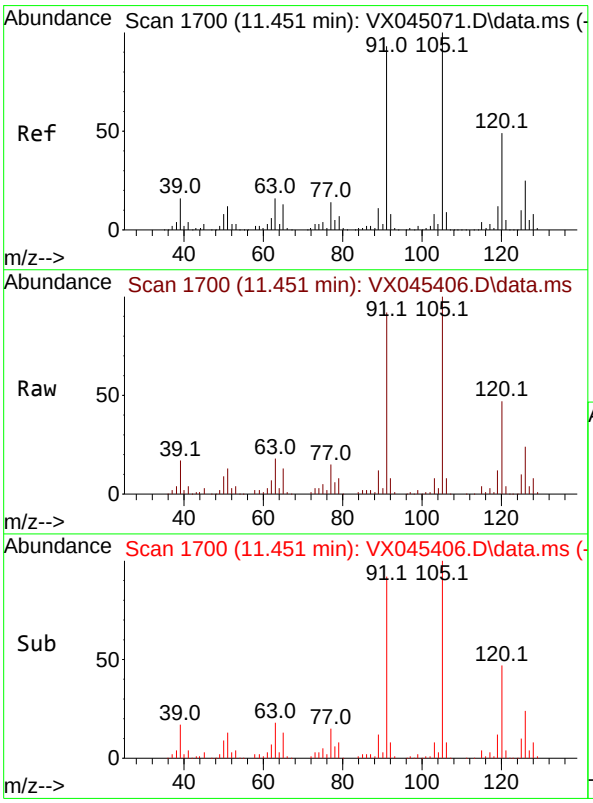
Ion	Ratio	Lower	Upper
91	100		
126	32.8	16.4	49.4



Instrument :
MSVOA_X
ClientSampleId :
VX0324WBS01

Manual Integrations
APPROVED

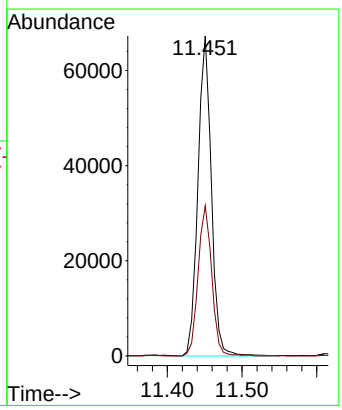
Reviewed By :John Carlone 03/25/2025
Supervised By :Mahesh Dadoda 03/25/2025

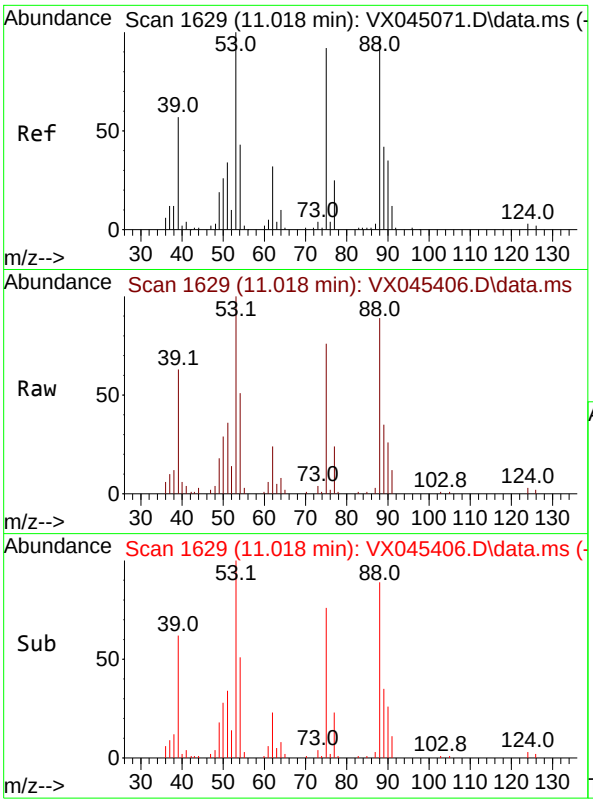


#80
1,3,5-Trimethylbenzene
Concen: 20.908 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045406.D
Acq: 24 Mar 2025 11:42

Tgt Ion:105 Resp: 83800

Ion	Ratio	Lower	Upper
105	100		
120	47.7	24.1	72.2

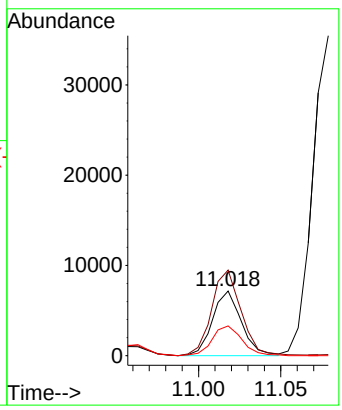




#81
trans-1,4-Dichloro-2-butene
Concen: 20.272 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045406.D
Acq: 24 Mar 2025 11:42

Tgt Ion: 75 Resp: 875

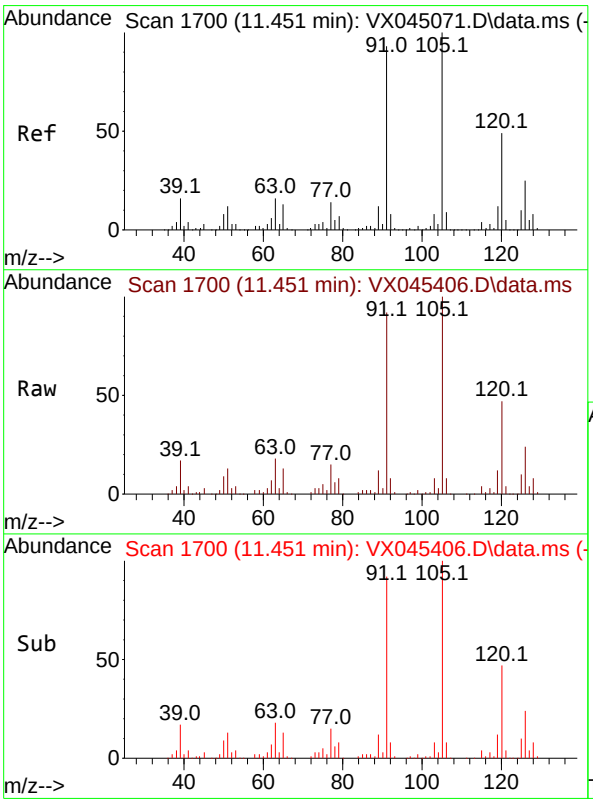
Ion	Ratio	Lower	Upper
75	100		
53	135.4	88.5	132.7
89	47.6	36.2	54.4



Instrument :
MSVOA_X
ClientSampleId :
VX0324WBS01

Manual Integrations
APPROVED

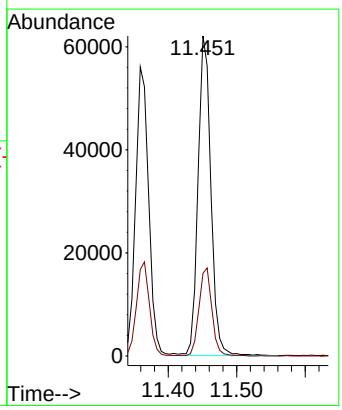
Reviewed By :John Carlone 03/25/2025
Supervised By :Mahesh Dadoda 03/25/2025

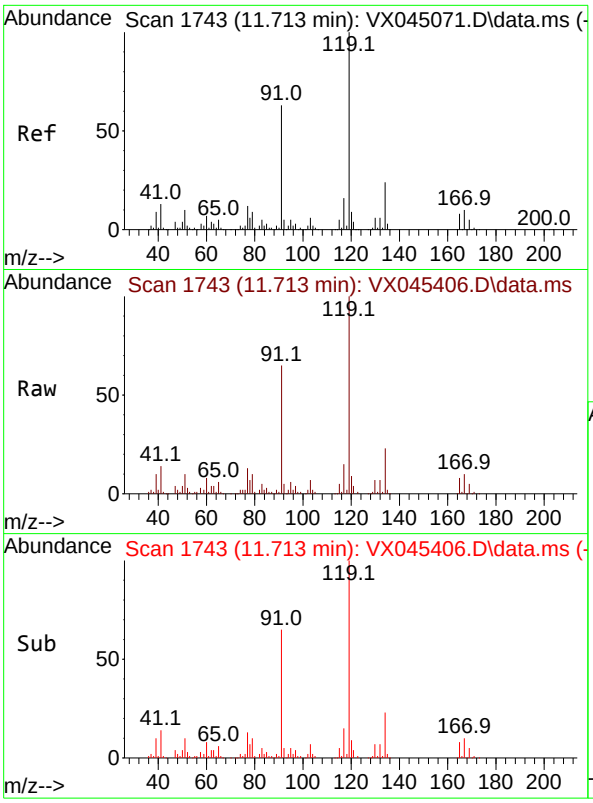


#82
4-Chlorotoluene
Concen: 20.824 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045406.D
Acq: 24 Mar 2025 11:42

Tgt Ion: 91 Resp: 80935

Ion	Ratio	Lower	Upper
91	100		
126	27.8	14.1	42.4

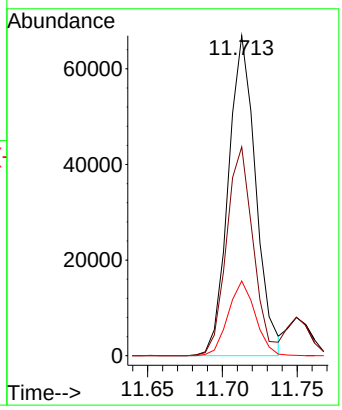




#83
tert-Butylbenzene
Concen: 20.683 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045406.D
Acq: 24 Mar 2025 11:42

Tgt Ion:119 Resp: 8517

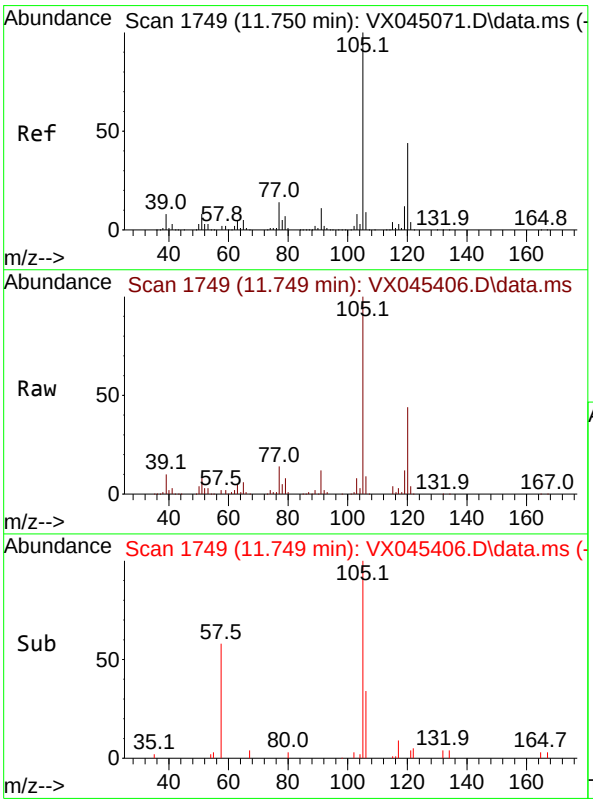
Ion	Ratio	Lower	Upper
119	100		
91	63.9	30.7	92.1
134	23.1	11.7	35.0



Instrument :
MSVOA_X
ClientSampleId :
VX0324WBS01

Manual Integrations
APPROVED

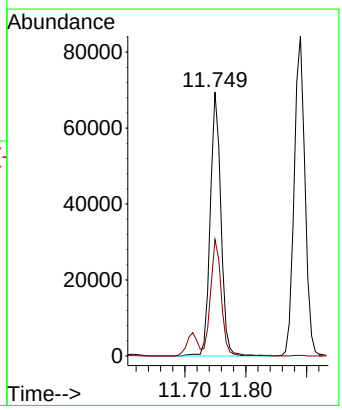
Reviewed By :John Carlone 03/25/2025
Supervised By :Mahesh Dadoda 03/25/2025

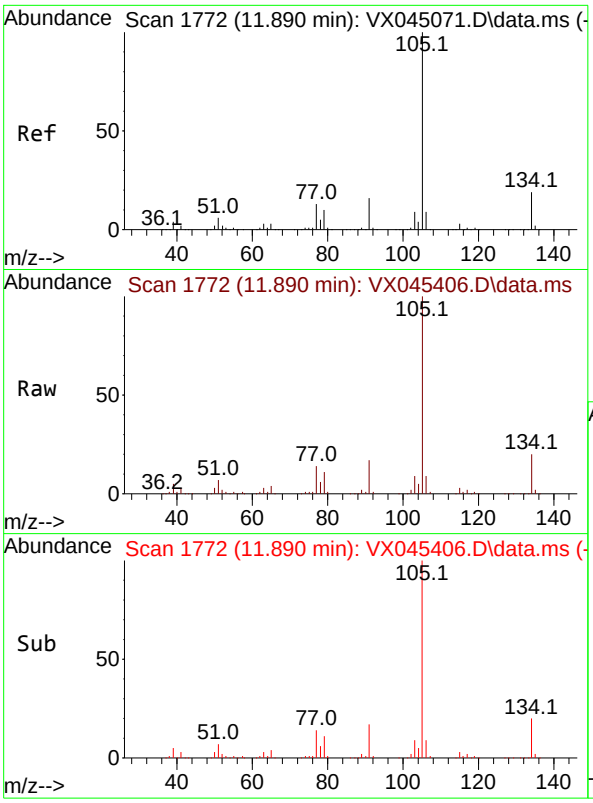


#84
1,2,4-Trimethylbenzene
Concen: 20.918 ug/l
RT: 11.749 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX045406.D
Acq: 24 Mar 2025 11:42

Tgt Ion:105 Resp: 84360

Ion	Ratio	Lower	Upper
105	100		
120	44.4	22.1	66.1

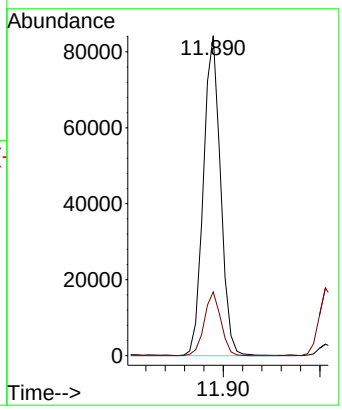




#85
sec-Butylbenzene
Concen: 21.086 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045406.D
Acq: 24 Mar 2025 11:42

Tgt Ion:105 Resp: 10401

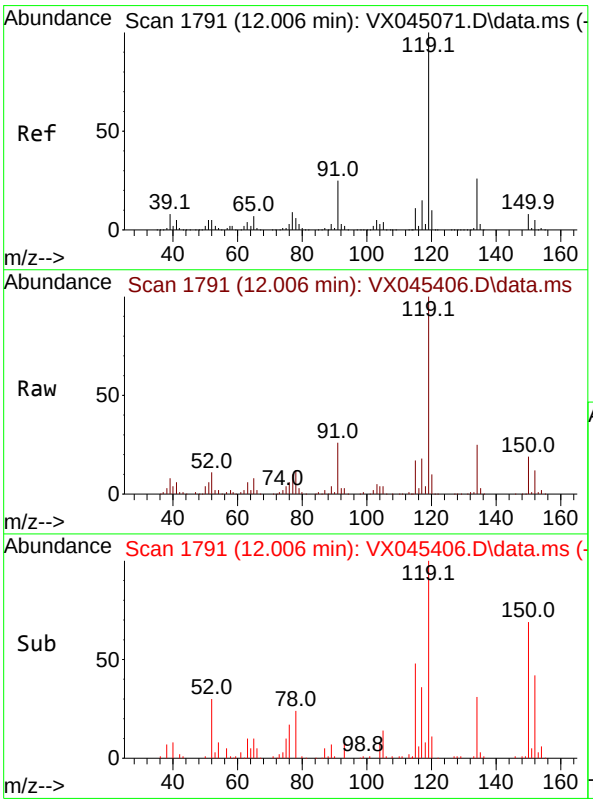
Ion	Ratio	Lower	Upper
105	100		
134	19.3	9.8	29.4



Instrument :
MSVOA_X
ClientSampleId :
VX0324WBS01

Manual Integrations
APPROVED

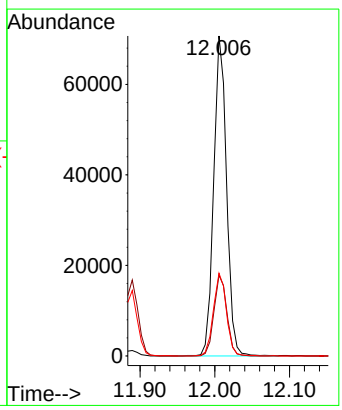
Reviewed By :John Carlone 03/25/2025
Supervised By :Mahesh Dadoda 03/25/2025

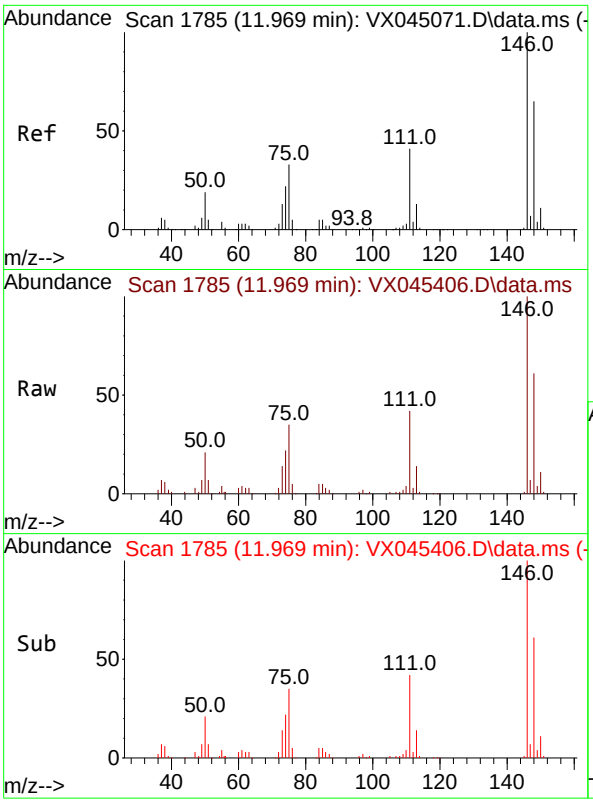


#86
p-Isopropyltoluene
Concen: 21.249 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX045406.D
Acq: 24 Mar 2025 11:42

Tgt Ion:119 Resp: 84713

Ion	Ratio	Lower	Upper
119	100		
134	25.3	12.9	38.6
91	26.2	12.7	38.0

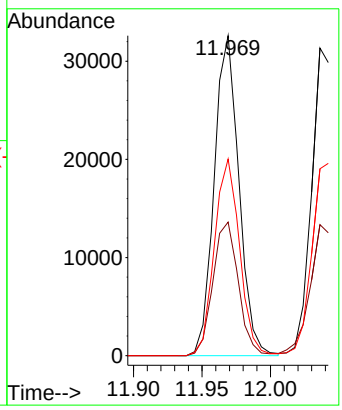




#87
1,3-Dichlorobenzene
Concen: 19.588 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045406.D
Acq: 24 Mar 2025 11:42

Tgt Ion:146 Resp: 4086

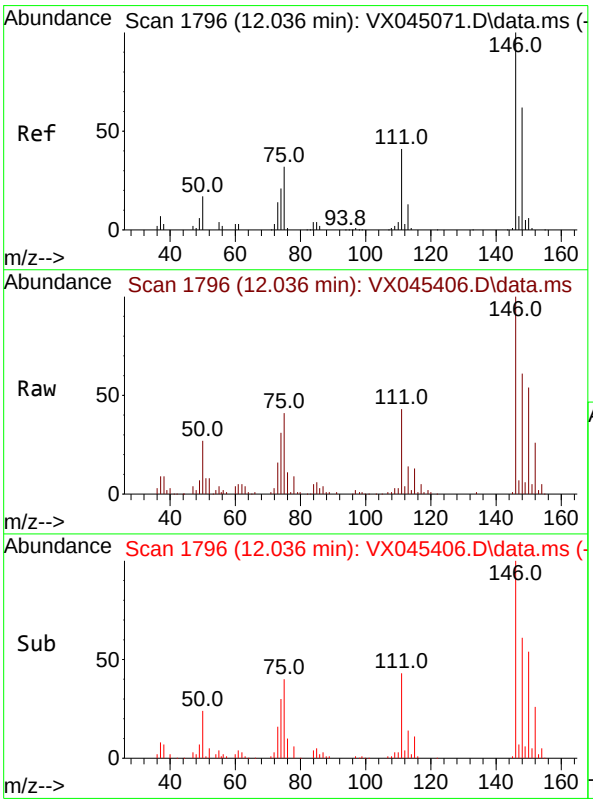
Ion	Ratio	Lower	Upper
146	100		
111	43.1	21.1	63.4
148	62.7	31.9	95.7



Instrument :
MSVOA_X
ClientSampleId :
VX0324WBS01

Manual Integrations
APPROVED

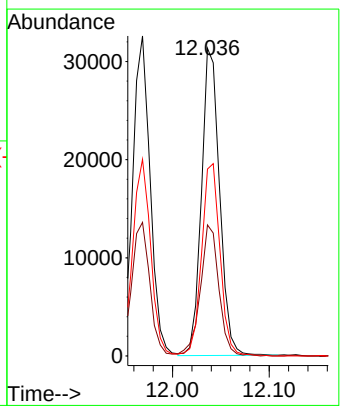
Reviewed By :John Carlone 03/25/2025
Supervised By :Mahesh Dadoda 03/25/2025

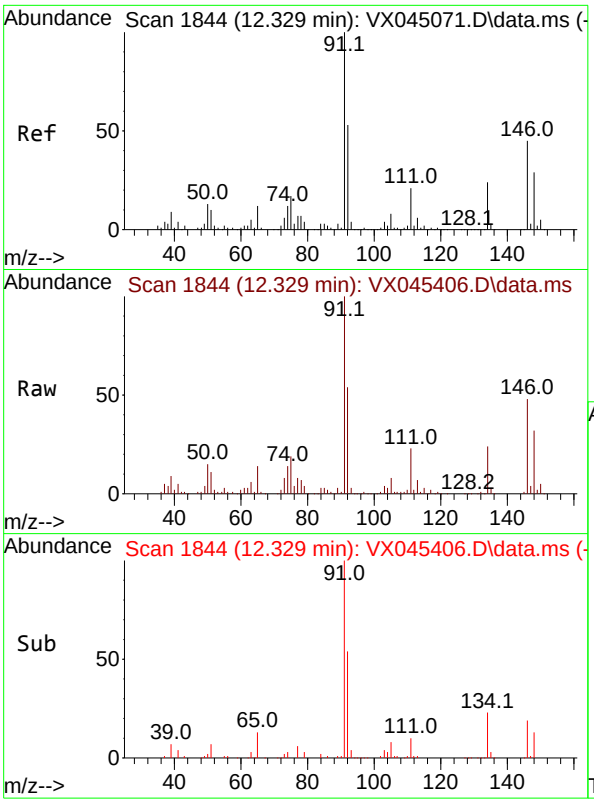


#88
1,4-Dichlorobenzene
Concen: 19.365 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. -0.000 min
Lab File: VX045406.D
Acq: 24 Mar 2025 11:42

Tgt Ion:146 Resp: 40877

Ion	Ratio	Lower	Upper
146	100		
111	44.0	20.2	60.5
148	63.8	31.9	95.9

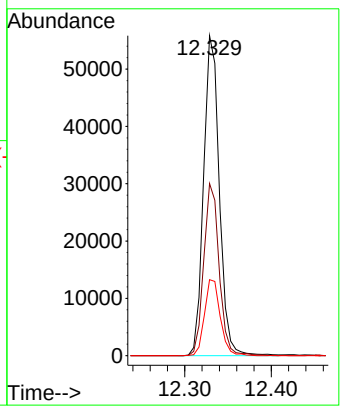




#89
n-Butylbenzene
Concen: 20.532 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045406.D
Acq: 24 Mar 2025 11:42

Tgt Ion: 91 Resp: 7050

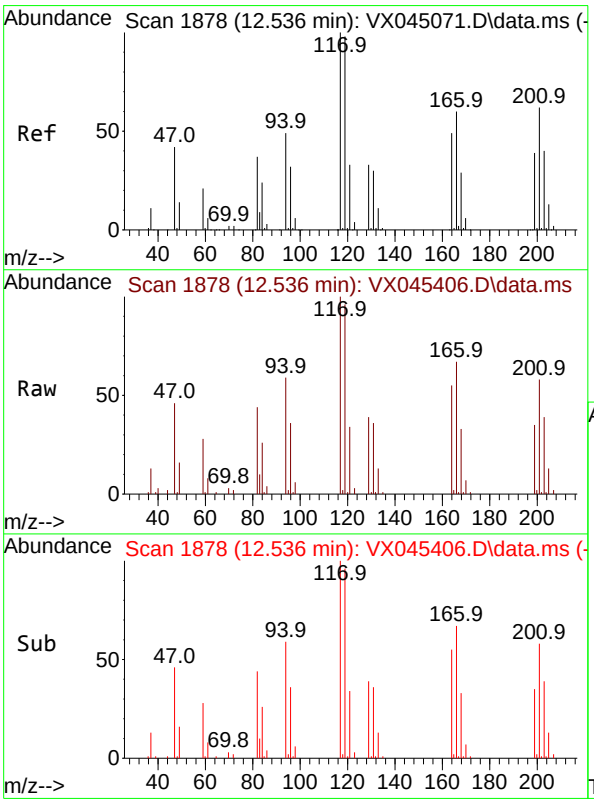
Ion	Ratio	Lower	Upper
91	100		
92	52.6	26.7	80.0
134	23.8	12.2	36.6



Instrument :
MSVOA_X
ClientSampleId :
VX0324WBS01

Manual Integrations
APPROVED

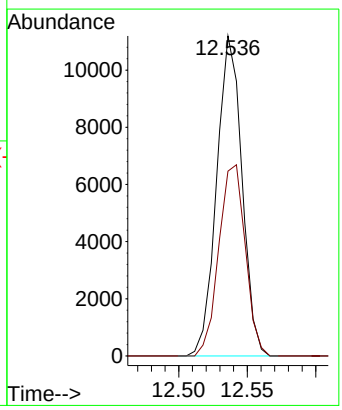
Reviewed By :John Carlone 03/25/2025
Supervised By :Mahesh Dadoda 03/25/2025

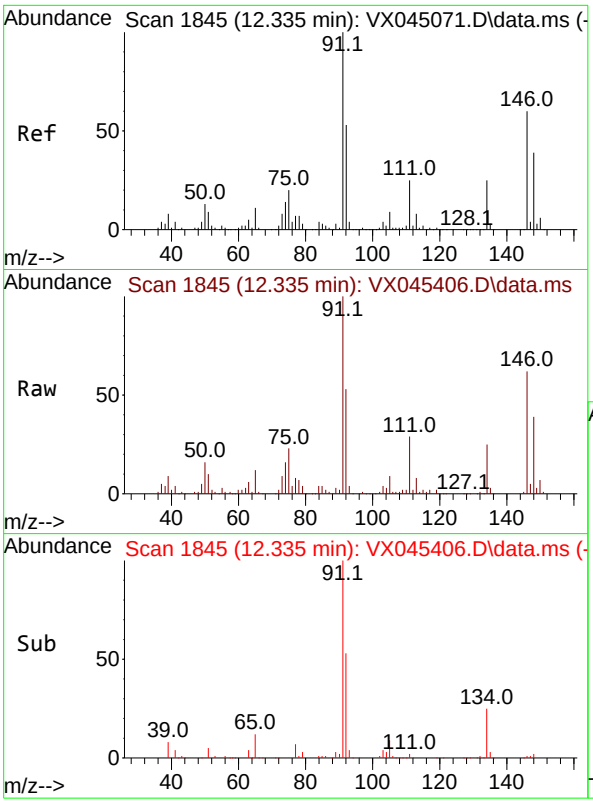


#90
Hexachloroethane
Concen: 19.892 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX045406.D
Acq: 24 Mar 2025 11:42

Tgt Ion:117 Resp: 14344

Ion	Ratio	Lower	Upper
117	100		
201	62.7	31.9	95.9

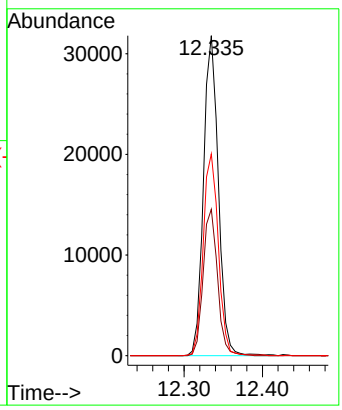




#91
1,2-Dichlorobenzene
Concen: 19.958 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045406.D
Acq: 24 Mar 2025 11:42

Tgt Ion:146 Resp: 4177

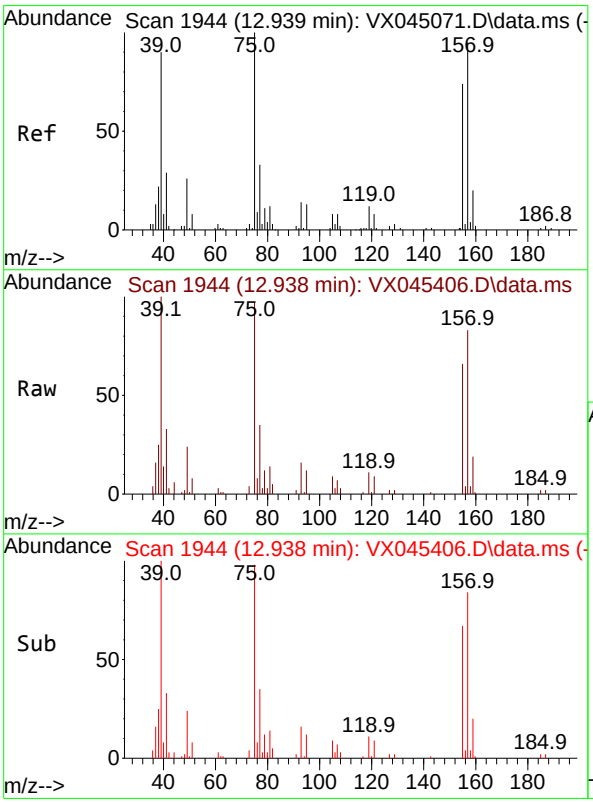
Ion	Ratio	Lower	Upper
146	100		
111	44.4	21.6	65.0
148	64.2	31.9	95.9



Instrument :
MSVOA_X
ClientSampleId :
VX0324WBS01

Manual Integrations
APPROVED

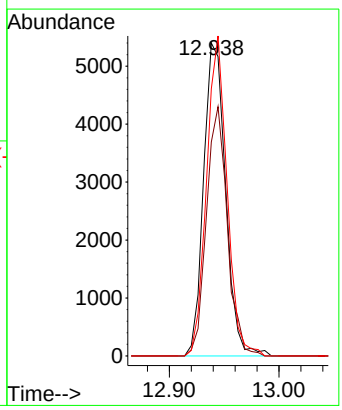
Reviewed By :John Carlone 03/25/2025
Supervised By :Mahesh Dadoda 03/25/2025

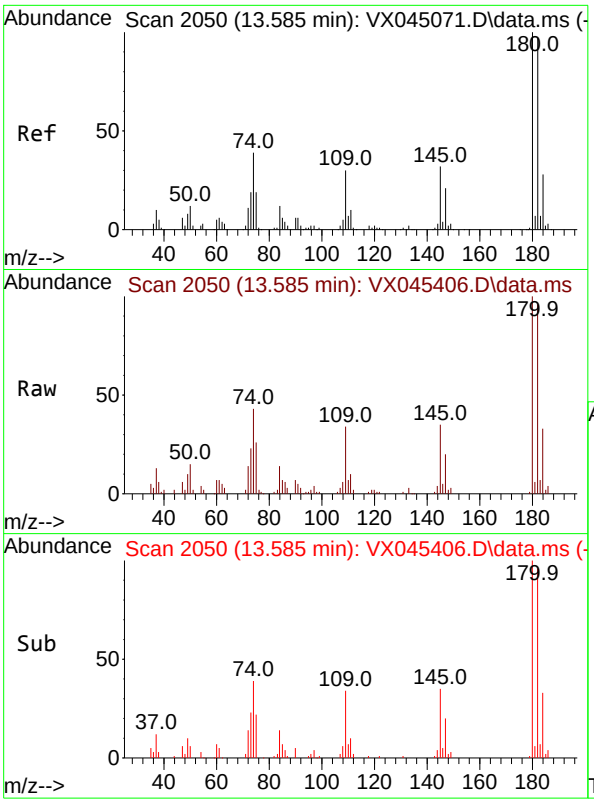


#92
1,2-Dibromo-3-Chloropropane
Concen: 21.231 ug/l
RT: 12.938 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX045406.D
Acq: 24 Mar 2025 11:42

Tgt Ion: 75 Resp: 7524

Ion	Ratio	Lower	Upper
75	100		
155	75.8	39.6	118.7
157	95.2	51.1	153.4

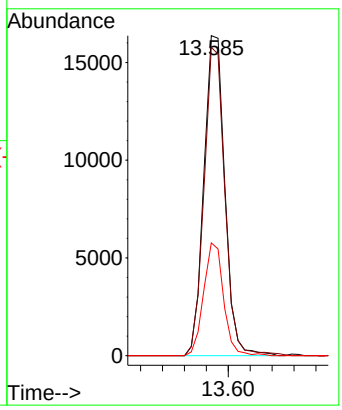




#93
1,2,4-Trichlorobenzene
Concen: 18.232 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045406.D
Acq: 24 Mar 2025 11:42

Tgt Ion:180 Resp: 2172

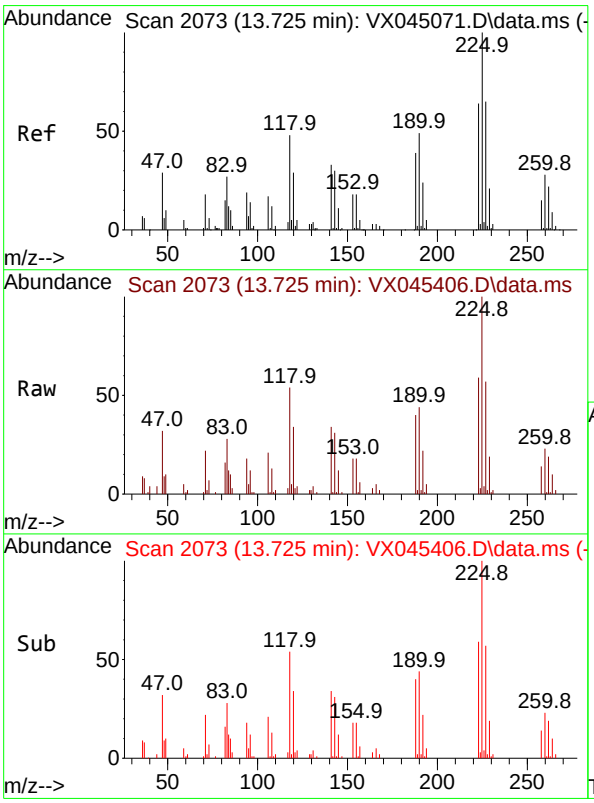
Ion	Ratio	Lower	Upper
180	100		
182	95.9	47.3	141.9
145	33.6	16.3	48.9



Instrument :
MSVOA_X
ClientSampleId :
VX0324WBS01

Manual Integrations
APPROVED

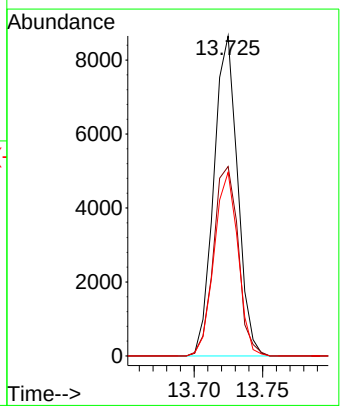
Reviewed By :John Carlone 03/25/2025
Supervised By :Mahesh Dadoda 03/25/2025

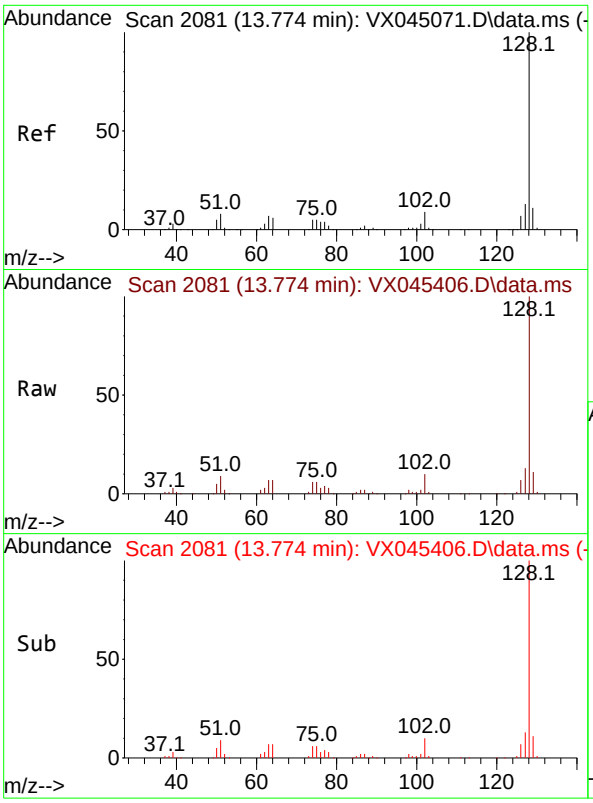


#94
Hexachlorobutadiene
Concen: 21.341 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX045406.D
Acq: 24 Mar 2025 11:42

Tgt Ion:225 Resp: 10427

Ion	Ratio	Lower	Upper
225	100		
223	61.8	31.9	95.7
227	57.8	31.4	94.0

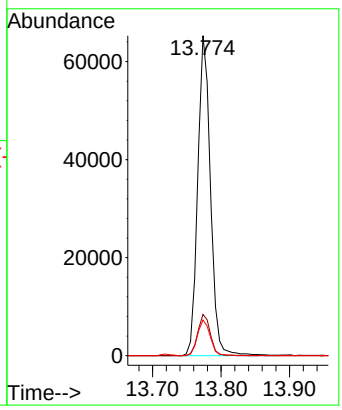




#95
Naphthalene
Concen: 18.504 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045406.D
Acq: 24 Mar 2025 11:42

Tgt Ion:128 Resp: 8472

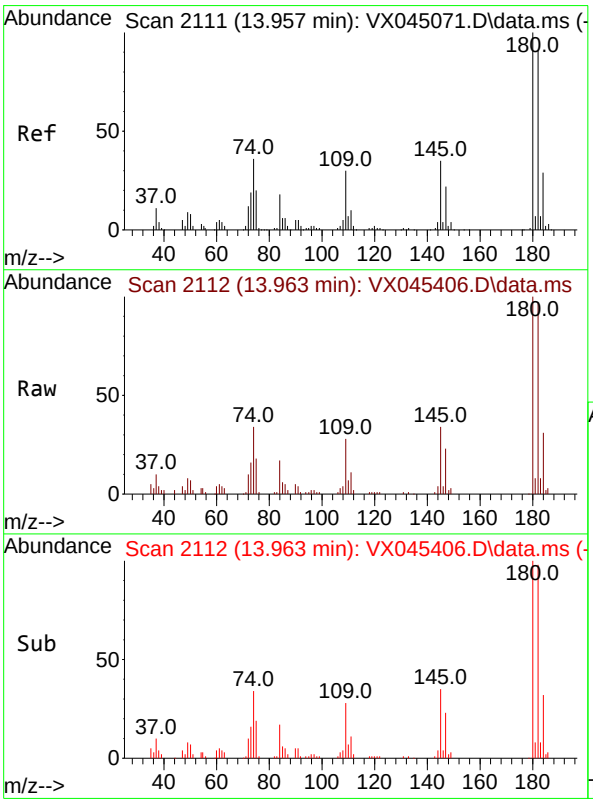
Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.3	15.5
129	11.1	8.7	13.1



Instrument :
MSVOA_X
ClientSampleId :
VX0324WBS01

Manual Integrations
APPROVED

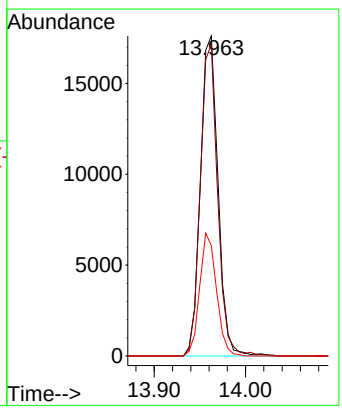
Reviewed By :John Carlone 03/25/2025
Supervised By :Mahesh Dadoda 03/25/2025



#96
1,2,3-Trichlorobenzene
Concen: 18.649 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.006 min
Lab File: VX045406.D
Acq: 24 Mar 2025 11:42

Tgt Ion:180 Resp: 23447

Ion	Ratio	Lower	Upper
180	100		
182	96.0	47.5	142.6
145	36.8	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:	VX0325WBS02	SDG No.:	Q1608
Lab Sample ID:	VX0325WBS02	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
VX045436.D	1		03/25/25 13:35	VX032525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	19.5		0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	16.0		0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	16.0		0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	19.6		1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	19.7		0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	20.0		0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	22.6		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	19.6		0.23	0.75	1.00	ug/L
67-64-1	Acetone	110		1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	14.0		0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	21.5		0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	29.4		0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	20.2		0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	20.1		0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	21.5		0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	19.7		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	21.8		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	20.8		0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	24.3		0.22	0.50	1.00	ug/L
67-66-3	Chloroform	22.3		0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	22.3		0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	20.5		0.16	0.50	1.00	ug/L
71-43-2	Benzene	20.5		0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	23.9		0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	20.5		0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	21.1		0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	22.7		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	21.4		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:	VX0325WBS02	SDG No.:	Q1608
Lab Sample ID:	VX0325WBS02	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
VX045436.D	1		03/25/25 13:35	VX032525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	22.1		0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	22.4		0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	22.3		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	22.0		0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	21.7		0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	21.6		0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	21.4		0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	21.6		0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	43.1		0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	21.4		0.12	0.50	1.00	ug/L
100-42-5	Styrene	21.7		0.15	0.50	1.00	ug/L
75-25-2	Bromoform	21.4		0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	22.5		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	21.0		0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	20.5		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	22.1		0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	20.1		0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	20.3		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	53.4		80 - 119		107%	SPK: 50
2037-26-5	Toluene-d8	50.2		89 - 112		100%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.3		85 - 114		109%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	88300	5.544				
540-36-3	1,4-Difluorobenzene	159000	6.757				
3114-55-4	Chlorobenzene-d5	137000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	60900	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:	VX0325WBS02	SDG No.:	Q1608
Lab Sample ID:	VX0325WBS02	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
VX045436.D	1		03/25/25 13:35	VX032525

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\VX032525\
Data File : VX045436.D
Acq On : 25 Mar 2025 13:35
Operator : JC/MD
Sample : VX0325WBS02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 26 01:37:05 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 :
VX0325WBS02

Manual Integrations APPROVED
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	88260	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	159282	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	137098	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	60910	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	79497	56.626	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 113.260%			
35) Dibromofluoromethane	5.379	113	56889	53.413	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.820%			
50) Toluene-d8	8.647	98	193748	50.177	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.360%			
62) 4-Bromofluorobenzene	11.079	95	69492	54.311	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 108.620%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	21634	19.473	ug/l	93
3) Chloromethane	1.307	50	21765	16.008	ug/l	100
4) Vinyl Chloride	1.374	62	21512	15.950	ug/l	99
5) Bromomethane	1.593	94	10370	19.558	ug/l	98
6) Chloroethane	1.666	64	12272	19.726	ug/l	96
7) Trichlorofluoromethane	1.874	101	35730	20.011	ug/l	98
8) Diethyl Ether	2.130	74	12404	17.761	ug/l	92
9) 1,1,2-Trichlorotrifluo...	2.319	101	23226	22.642	ug/l	98
10) Methyl Iodide	2.447	142	25124	19.598	ug/l	92
11) Tert butyl alcohol	2.977	59	21298	80.091	ug/l	97
12) 1,1-Dichloroethene	2.313	96	21282	19.623	ug/l	99
13) Acrolein	2.233	56	41176	133.950	ug/l	99
14) Allyl chloride	2.660	41	40753	21.110	ug/l	93
15) Acrylonitrile	3.062	53	74109	103.983	ug/l	97
16) Acetone	2.386	43	71720	110.107	ug/l	99
17) Carbon Disulfide	2.502	76	40407	13.988	ug/l	96
18) Methyl Acetate	2.703	43	46032	29.376	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	78132	21.473	ug/l	99
20) Methylene Chloride	2.782	84	26113	20.238	ug/l	93
21) trans-1,2-Dichloroethene	3.081	96	21506	20.072	ug/l	93
22) Diisopropyl ether	3.757	45	83401	21.242	ug/l #	81
23) Vinyl Acetate	3.721	43	340859	104.034	ug/l	99
24) 1,1-Dichloroethane	3.605	63	47200	21.451	ug/l	100
25) 2-Butanone	4.556	43	107857	110.005	ug/l	94
26) 2,2-Dichloropropane	4.471	77	32630	31.616	ug/l	94
27) cis-1,2-Dichloroethene	4.489	96	27486	20.781	ug/l	92
28) Bromochloromethane	4.891	49	25516	24.329	ug/l	96
29) Tetrahydrofuran	5.001	42	67379	102.332	ug/l	98
30) Chloroform	5.087	83	48836	22.337	ug/l	100
31) Cyclohexane	5.464	56	37722	19.749	ug/l	94
32) 1,1,1-Trichloroethane	5.379	97	39374	22.298	ug/l	96
36) 1,1-Dichloropropene	5.684	75	30671	20.998	ug/l	99
37) Ethyl Acetate	4.715	43	36236	19.253	ug/l	99
38) Carbon Tetrachloride	5.672	117	32393	21.844	ug/l	97
39) Methylcyclohexane	7.379	83	35870	20.495	ug/l	98
40) Benzene	6.031	78	94569	20.503	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032525\
Data File : VX045436.D
Acq On : 25 Mar 2025 13:35
Operator : JC/MD
Sample : VX0325WBS02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 26 01:37:05 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 :
VX0325WBS02

Manual Integrations APPROVED
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.922	41	22985	22.585	ug/l		97
42) 1,2-Dichloroethane	6.086	62	39733	23.922	ug/l		96
43) Isopropyl Acetate	6.342	43	58934	21.175	ug/l		99
44) Trichloroethene	7.123	130	22201	20.499	ug/l		96
45) 1,2-Dichloropropane	7.428	63	25053	21.126	ug/l		100
46) Dibromomethane	7.580	93	18482	22.050	ug/l		96
47) Bromodichloromethane	7.818	83	37305	22.690	ug/l		99
48) Methyl methacrylate	7.696	41	30493	21.839	ug/l		93
49) 1,4-Dioxane	7.659	88	11048	375.106	ug/l		95
51) 4-Methyl-2-Pentanone	8.574	43	211951	113.420	ug/l		98
52) Toluene	8.714	92	57834	21.371	ug/l		99
53) t-1,3-Dichloropropene	8.976	75	30348	22.080	ug/l		99
54) cis-1,3-Dichloropropene	8.366	75	35919	22.410	ug/l		93
55) 1,1,2-Trichloroethane	9.147	97	24798	22.259	ug/l		98
56) Ethyl methacrylate	9.116	69	37053	21.880	ug/l		93
57) 1,3-Dichloropropane	9.305	76	42139	21.857	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.238	63	81540	98.707	ug/l		99
59) 2-Hexanone	9.427	43	150538	111.183	ug/l		99
60) Dibromochloromethane	9.519	129	25647	22.017	ug/l		99
61) 1,2-Dibromoethane	9.604	107	24141	21.706	ug/l		99
64) Tetrachloroethene	9.269	164	18971	21.606	ug/l		97
65) Chlorobenzene	10.080	112	61991	21.369	ug/l		100
66) 1,1,1,2-Tetrachloroethane	10.159	131	21269	22.016	ug/l		98
67) Ethyl Benzene	10.189	91	109339	21.631	ug/l		96
68) m/p-Xylenes	10.299	106	79751	43.099	ug/l		93
69) o-Xylene	10.640	106	39921	21.391	ug/l		96
70) Styrene	10.653	104	65405	21.659	ug/l		98
71) Bromoform	10.799	173	15571	21.374	ug/l	#	99
73) Isopropylbenzene	10.964	105	107177	22.544	ug/l		98
74) N-amyl acetate	10.842	43	47397	21.246	ug/l		97
75) 1,1,2,2-Tetrachloroethane	11.207	83	37257	21.355	ug/l		98
76) 1,2,3-Trichloropropane	11.238	75	31303m	22.080	ug/l		
77) Bromobenzene	11.195	156	23991	21.388	ug/l		96
78) n-propylbenzene	11.299	91	120148	22.372	ug/l		98
79) 2-Chlorotoluene	11.360	91	74772	21.861	ug/l		97
80) 1,3,5-Trimethylbenzene	11.451	105	86843	22.591	ug/l		97
81) trans-1,4-Dichloro-2-b...	11.018	75	8394	20.262	ug/l	#	80
82) 4-Chlorotoluene	11.451	91	83643	22.439	ug/l		99
83) tert-Butylbenzene	11.713	119	86114	21.802	ug/l		96
84) 1,2,4-Trimethylbenzene	11.750	105	85798	22.182	ug/l		100
85) sec-Butylbenzene	11.890	105	107683	22.760	ug/l		98
86) p-Isopropyltoluene	12.006	119	86148	22.531	ug/l		98
87) 1,3-Dichlorobenzene	11.969	146	41975	20.976	ug/l		100
88) 1,4-Dichlorobenzene	12.043	146	41462	20.480	ug/l		97
89) n-Butylbenzene	12.329	91	72708	22.079	ug/l		99
90) Hexachloroethane	12.536	117	14599	21.109	ug/l		97
91) 1,2-Dichlorobenzene	12.335	146	42440	21.142	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	7496	22.055	ug/l		91
93) 1,2,4-Trichlorobenzene	13.585	180	22997	20.120	ug/l		99
94) Hexachlorobutadiene	13.719	225	10176	21.715	ug/l		98
95) Naphthalene	13.774	128	88346	20.117	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	24449	20.276	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032525\
Data File : VX045436.D
Acq On : 25 Mar 2025 13:35
Operator : JC/MD
Sample : VX0325WBS02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 26 01:37:05 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 :
VX0325WBS02

Manual Integrations APPROVED

Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

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

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

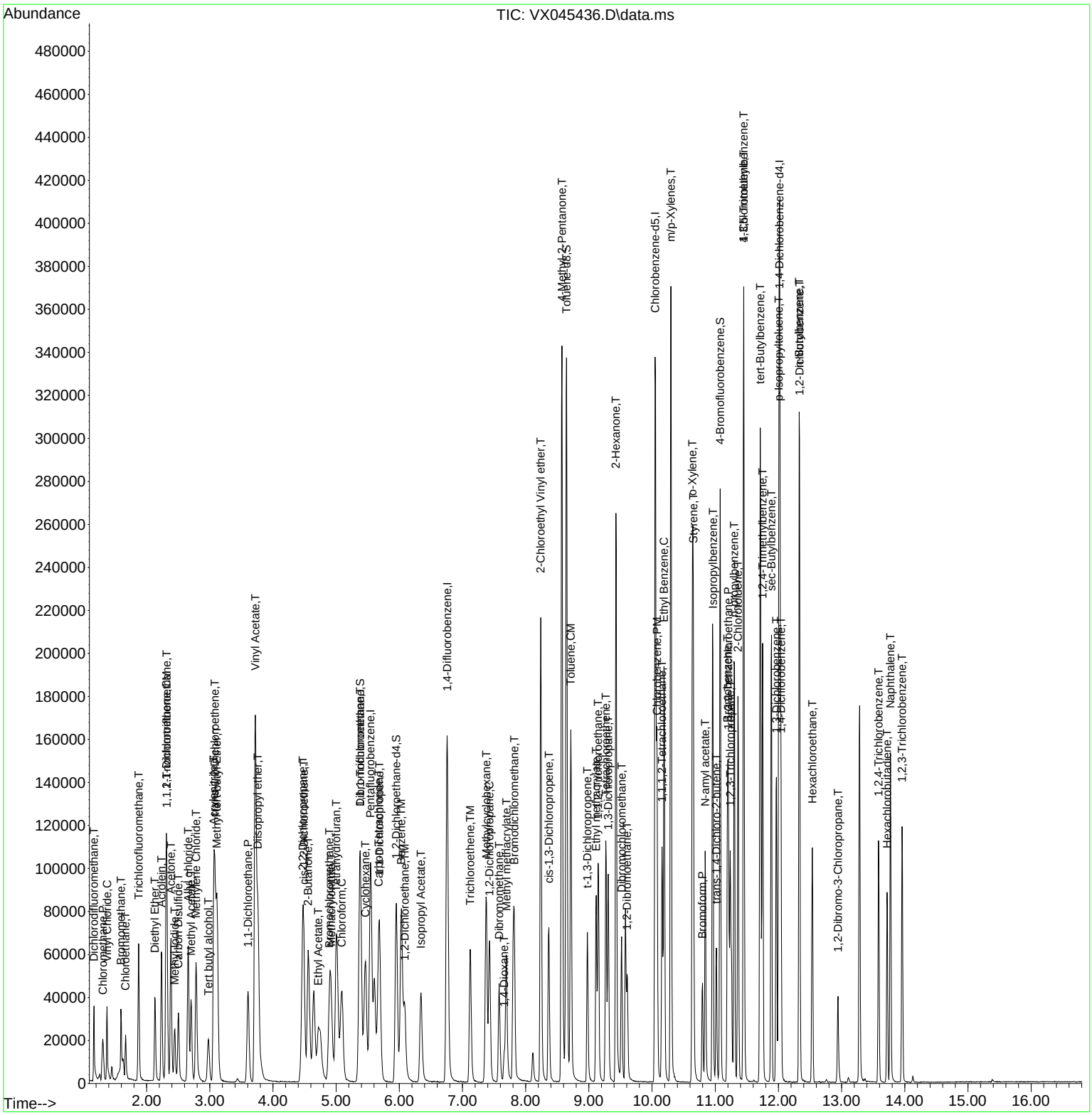
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032525\
Data File : VX045436.D
Acq On : 25 Mar 2025 13:35
Operator : JC/MD
Sample : VX0325WBS02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

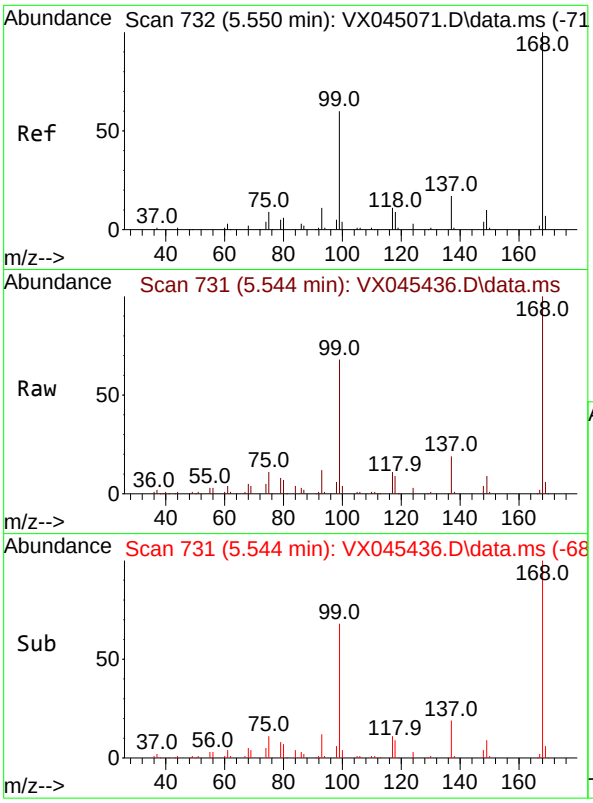
Quant Time: Mar 26 01:37:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0325WBS02

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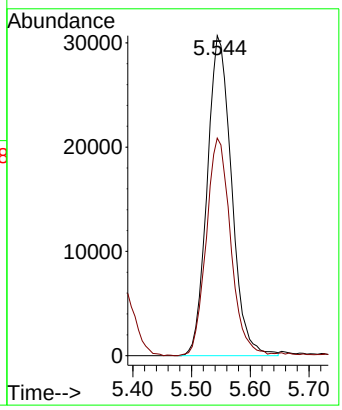




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045436.D
Acq: 25 Mar 2025 13:35

Tgt Ion:168 Resp: 8826

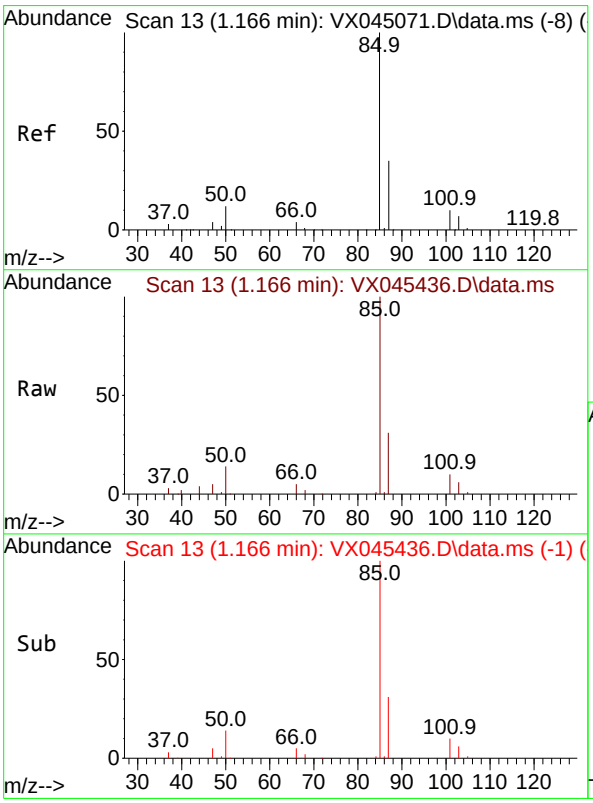
Ion	Ratio	Lower	Upper
168	100		
99	68.0	48.2	72.4



Instrument :
MSVOA_X
ClientSampleId :
VX0325WBS02

Manual Integrations
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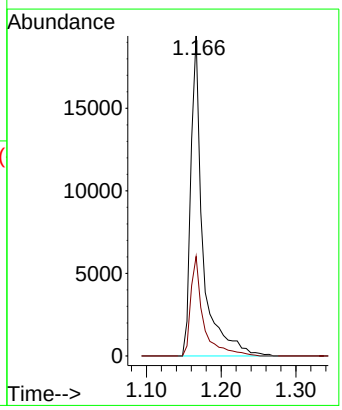
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

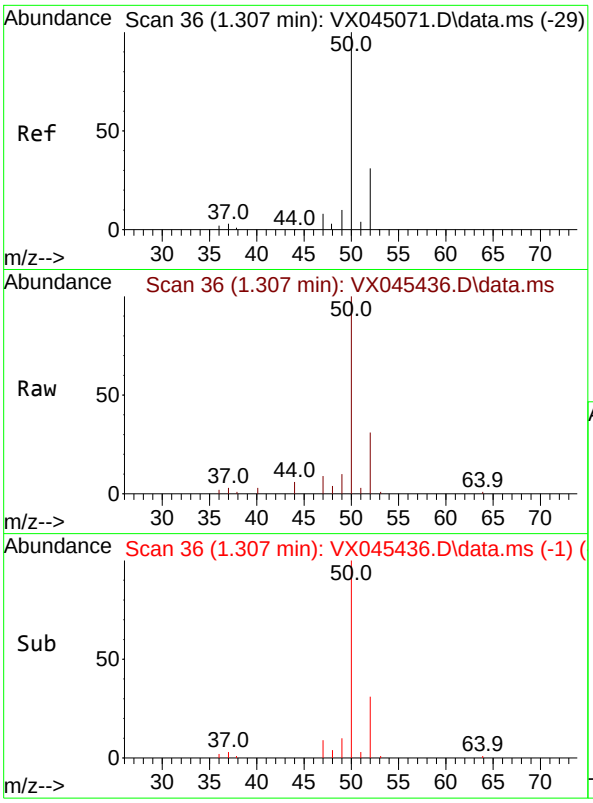


#2
Dichlorodifluoromethane
Concen: 19.473 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX045436.D
Acq: 25 Mar 2025 13:35

Tgt Ion: 85 Resp: 21634

Ion	Ratio	Lower	Upper
85	100		
87	31.1	17.4	52.3

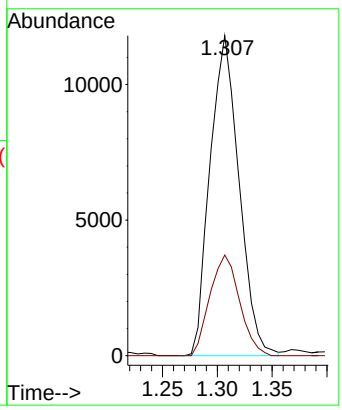




#3
Chloromethane
Concen: 16.008 ug/l
RT: 1.307 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045436.D
Acq: 25 Mar 2025 13:35

Tgt Ion: 50 Resp: 2176

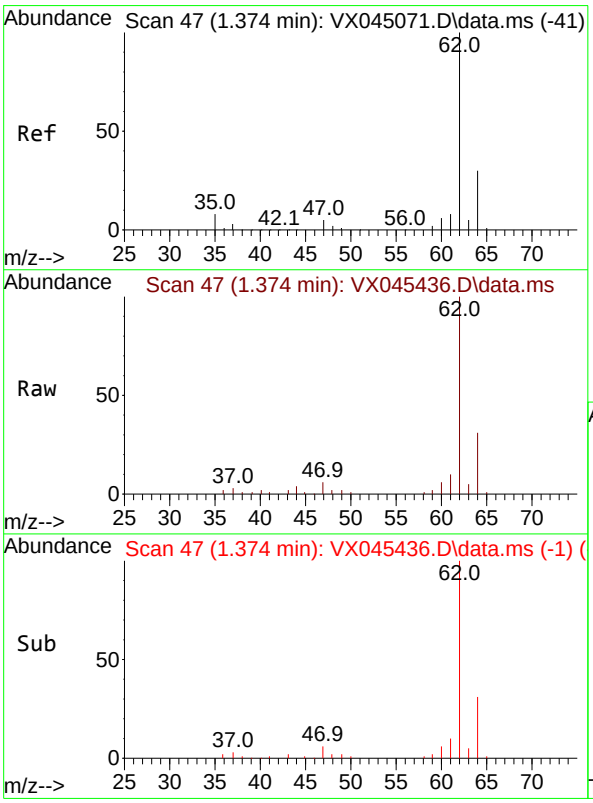
Ion	Ratio	Lower	Upper
50	100		
52	31.5	25.0	37.4



Instrument :
MSVOA_X
ClientSampleId :
VX0325WBS02

Manual Integrations
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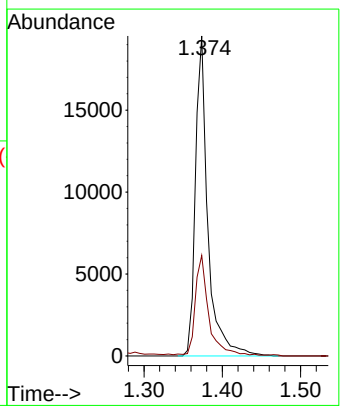
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

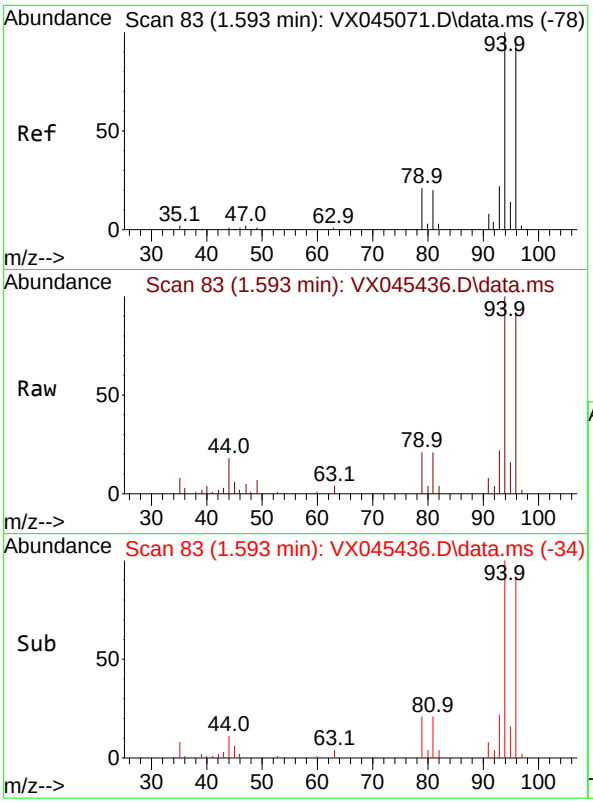


#4
Vinyl Chloride
Concen: 15.950 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX045436.D
Acq: 25 Mar 2025 13:35

Tgt Ion: 62 Resp: 21512

Ion	Ratio	Lower	Upper
62	100		
64	31.1	24.3	36.5

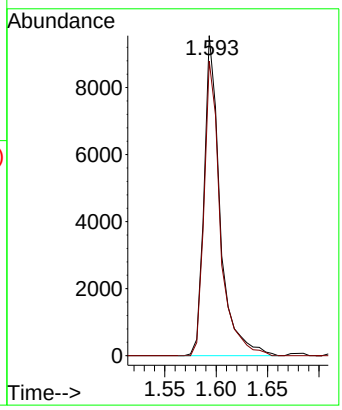




#5
Bromomethane
Concen: 19.558 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX045436.D
Acq: 25 Mar 2025 13:35

Tgt Ion: 94 Resp: 1037

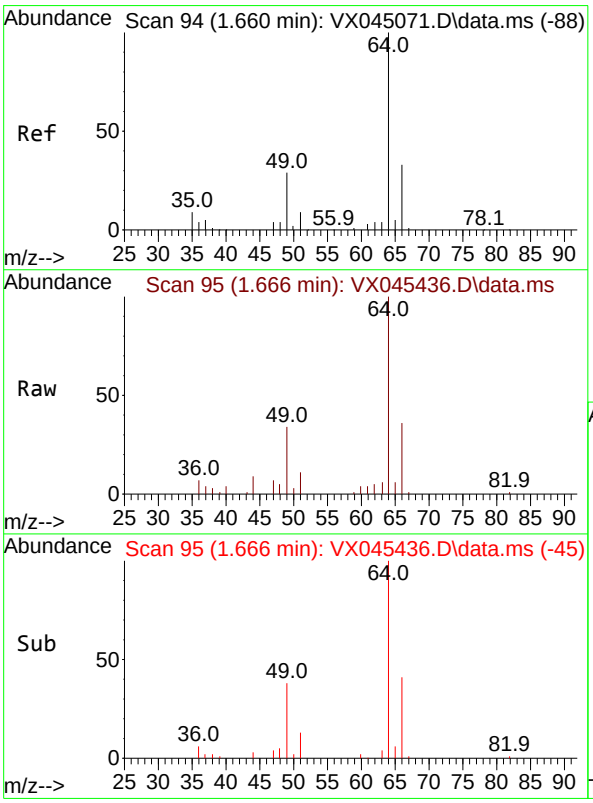
Ion	Ratio	Lower	Upper
94	100		
96	92.1	75.0	112.4



Instrument :
MSVOA_X
ClientSampleId :
VX0325WBS02

Manual Integrations
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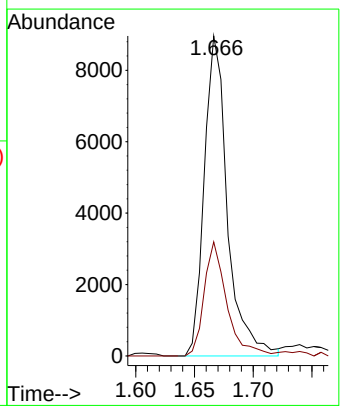
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

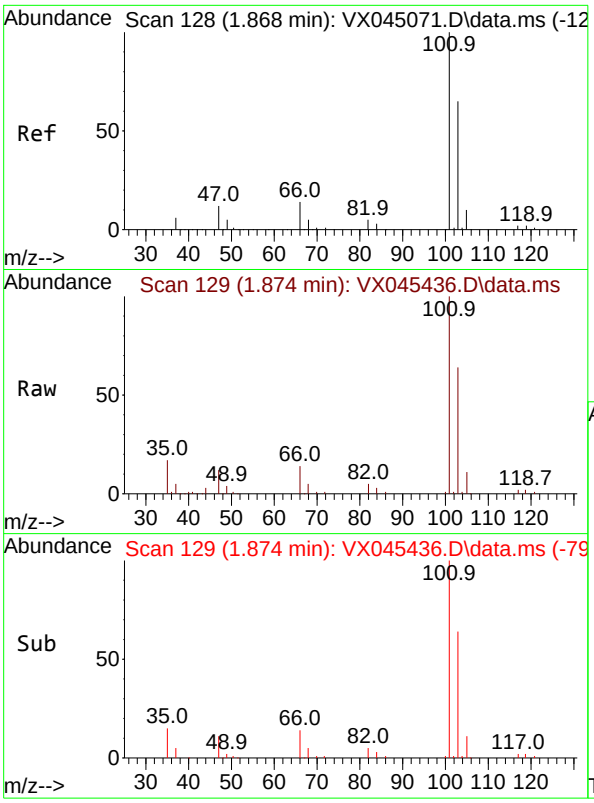


#6
Chloroethane
Concen: 19.726 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.006 min
Lab File: VX045436.D
Acq: 25 Mar 2025 13:35

Tgt Ion: 64 Resp: 12272

Ion	Ratio	Lower	Upper
64	100		
66	35.6	26.7	40.1

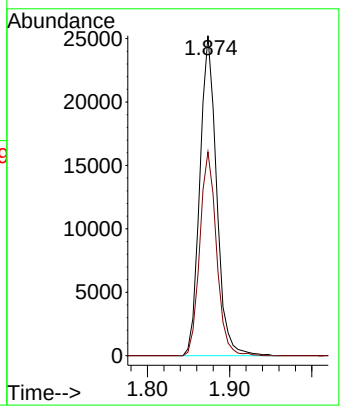




#7
Trichlorofluoromethane
Concen: 20.011 ug/l
RT: 1.874 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045436.D
Acq: 25 Mar 2025 13:35

Tgt Ion:101 Resp: 3573

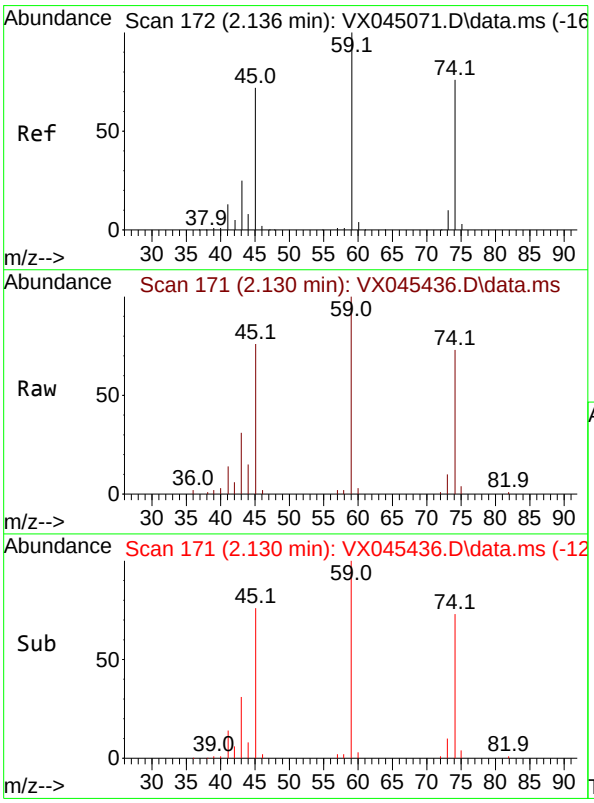
Ion	Ratio	Lower	Upper
101	100		
103	63.7	52.1	78.1



Instrument :
MSVOA_X
ClientSampleId :
VX0325WBS02

Manual Integrations
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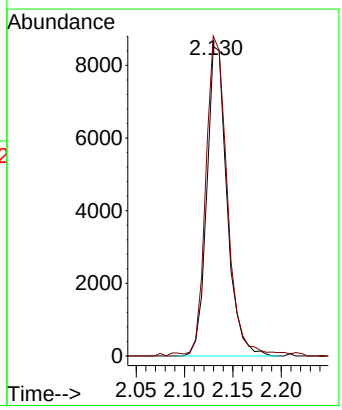
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

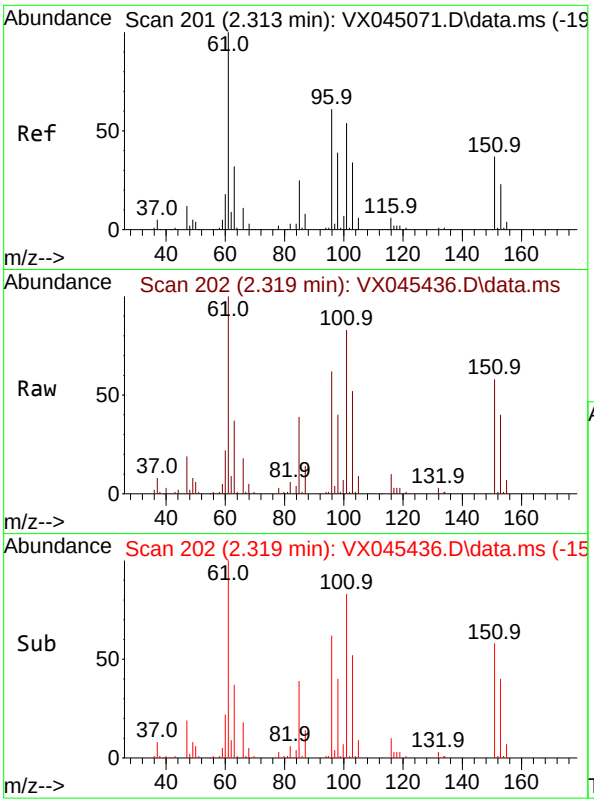


#8
Diethyl Ether
Concen: 17.761 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX045436.D
Acq: 25 Mar 2025 13:35

Tgt Ion: 74 Resp: 12404

Ion	Ratio	Lower	Upper
74	100		
45	111.0	51.5	154.5





#9
1,1,2-Trichlorotrifluoroethane
Concen: 22.642 ug/l
RT: 2.319 min Scan# 2(
Delta R.T. 0.006 min
Lab File: VX045436.D
Acq: 25 Mar 2025 13:35

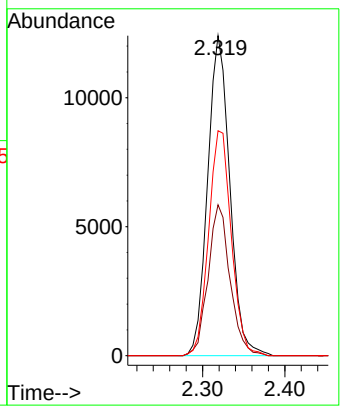
Tgt Ion:101 Resp: 2322(

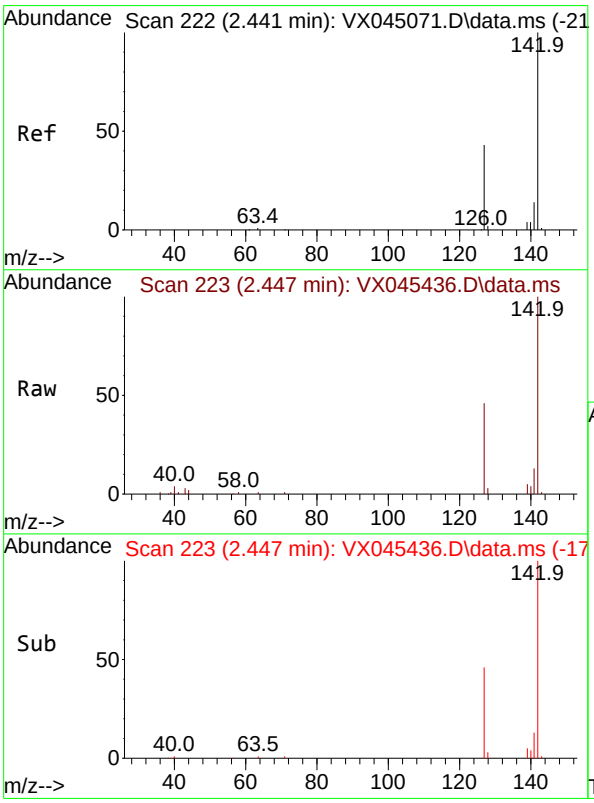
Ion	Ratio	Lower	Upper
101	100		
85	46.7	36.2	54.4
151	72.1	56.4	84.6

Instrument :
MSVOA_X
ClientSampleId :
VX0325WBS02

Manual Integrations
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Reviewed By :John Carlone 03/26/2025
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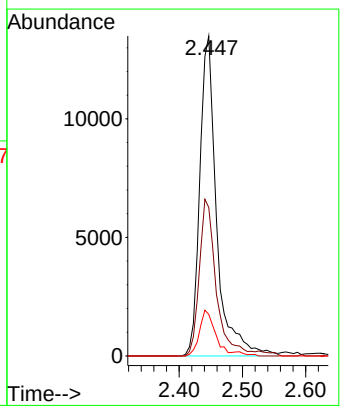


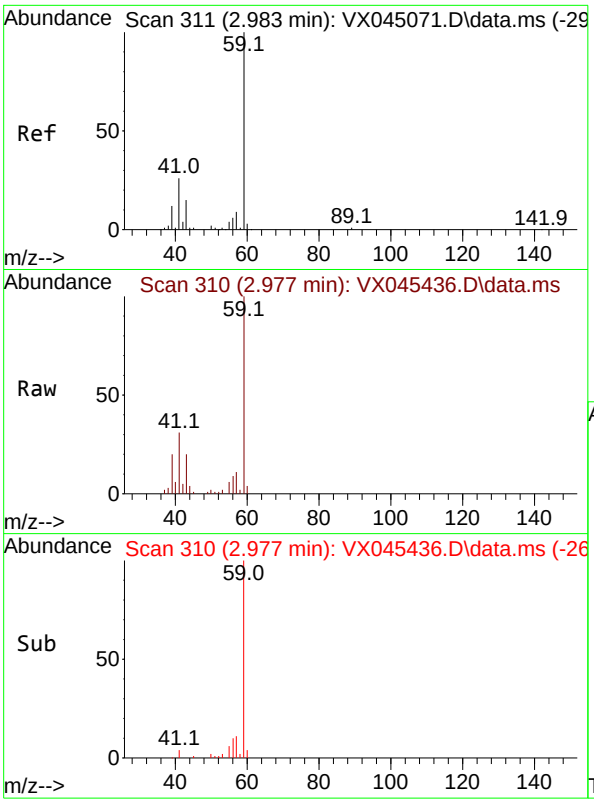


#10
Methyl Iodide
Concen: 19.598 ug/l
RT: 2.447 min Scan# 223
Delta R.T. 0.006 min
Lab File: VX045436.D
Acq: 25 Mar 2025 13:35

Tgt Ion:142 Resp: 25124

Ion	Ratio	Lower	Upper
142	100		
127	50.2	35.4	53.2
141	13.3	11.6	17.4

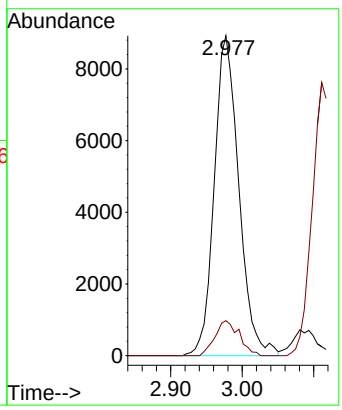




#11
Tert butyl alcohol
Concen: 80.091 ug/l
RT: 2.977 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045436.D
Acq: 25 Mar 2025 13:35

Tgt Ion: 59 Resp: 2129

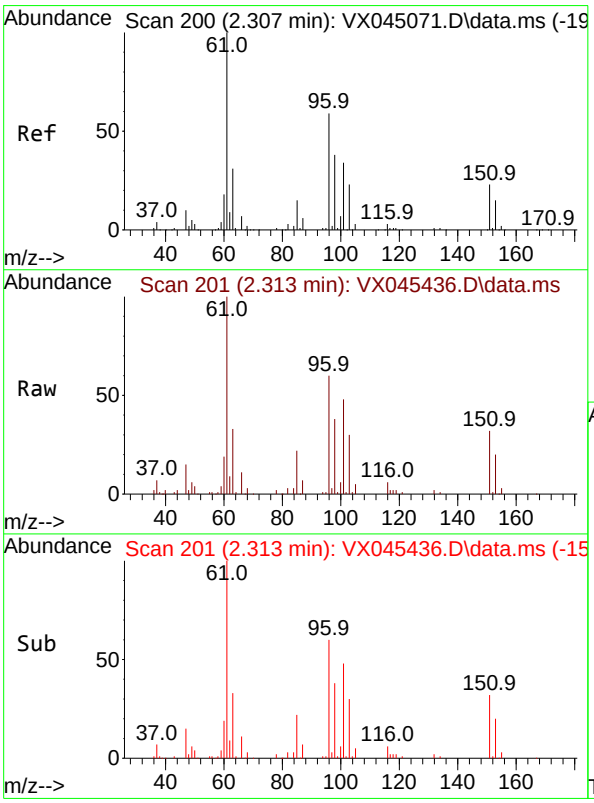
Ion	Ratio	Lower	Upper
59	100		
57	10.8	7.8	11.8



Instrument :
MSVOA_X
ClientSampleId :
VX0325WBS02

Manual Integrations APPROVED

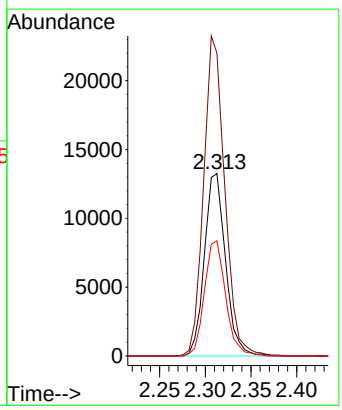
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

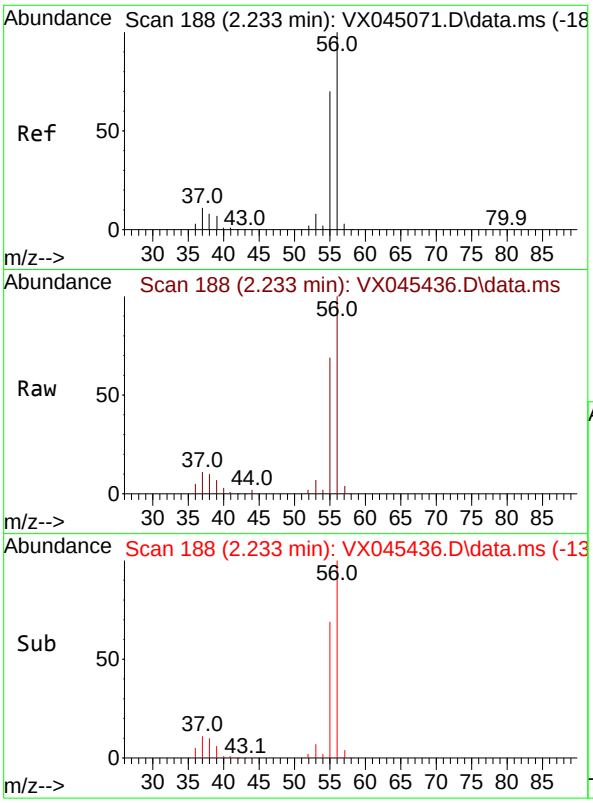


#12
1,1-Dichloroethene
Concen: 19.623 ug/l
RT: 2.313 min Scan# 201
Delta R.T. 0.006 min
Lab File: VX045436.D
Acq: 25 Mar 2025 13:35

Tgt Ion: 96 Resp: 21282

Ion	Ratio	Lower	Upper
96	100		
61	165.9	134.6	202.0
98	63.1	51.0	76.6

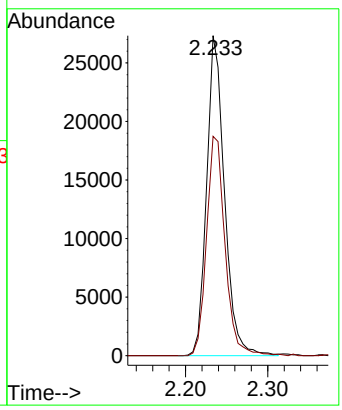




#13
Acrolein
Concen: 133.950 ug/l
RT: 2.233 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045436.D
Acq: 25 Mar 2025 13:35

Tgt Ion: 56 Resp: 4117

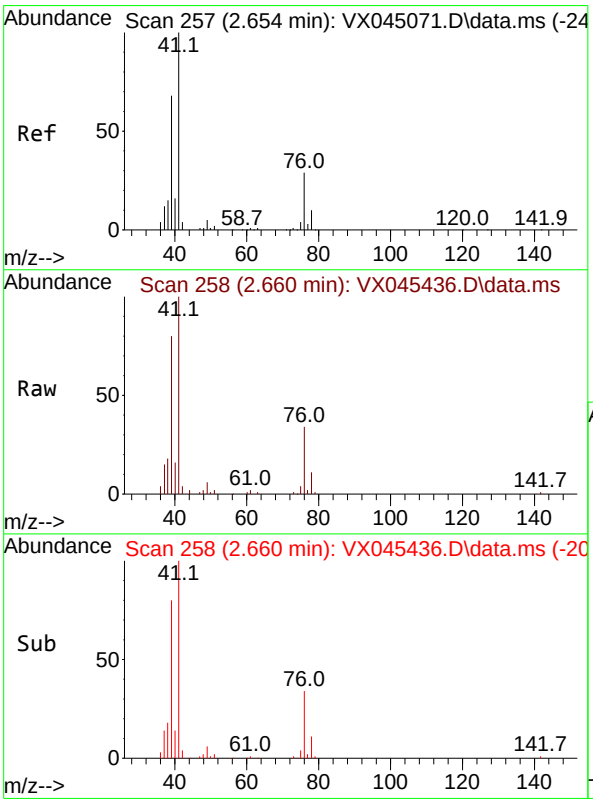
Ion	Ratio	Lower	Upper
56	100		
55	71.2	56.2	84.4



Instrument :
MSVOA_X
ClientSampleId :
VX0325WBS02

Manual Integrations
APPROVED

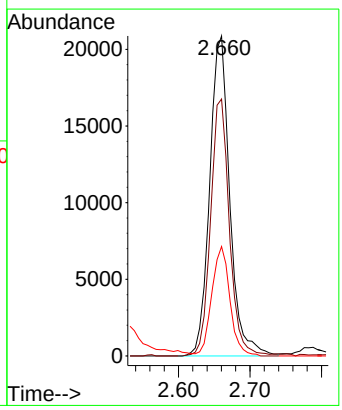
Reviewed By :John Carlone 03/26/2025
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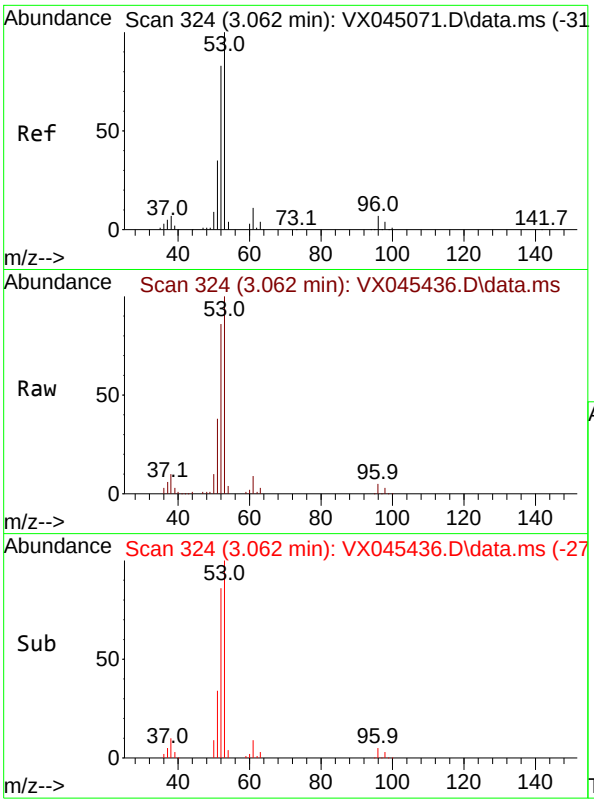


#14
Allyl chloride
Concen: 21.110 ug/l
RT: 2.660 min Scan# 258
Delta R.T. 0.006 min
Lab File: VX045436.D
Acq: 25 Mar 2025 13:35

Tgt Ion: 41 Resp: 40753

Ion	Ratio	Lower	Upper
41	100		
39	75.2	53.8	80.8
76	30.8	25.2	37.8

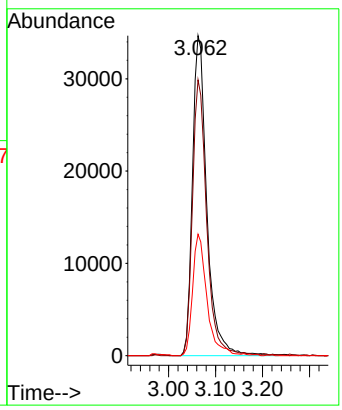




#15
Acrylonitrile
Concen: 103.983 ug/l
RT: 3.062 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045436.D
Acq: 25 Mar 2025 13:35

Tgt Ion: 53 Resp: 7410

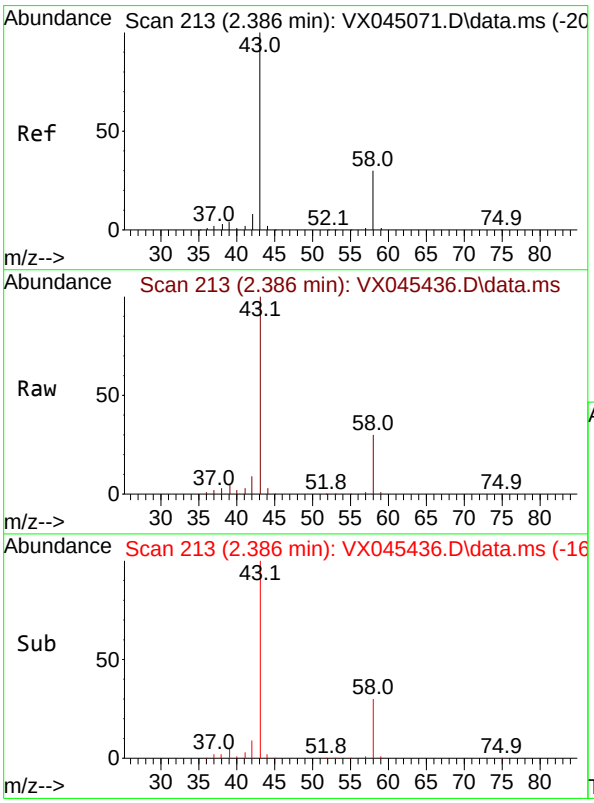
Ion	Ratio	Lower	Upper
53	100		
52	85.3	66.2	99.2
51	38.0	29.0	43.4



Instrument :
MSVOA_X
ClientSampleId :
VX0325WBS02

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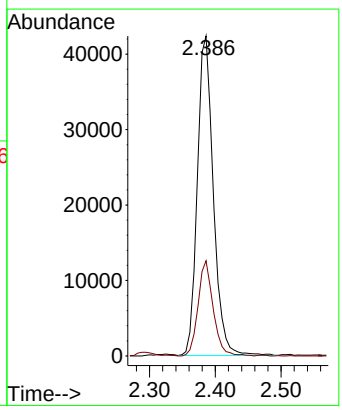
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

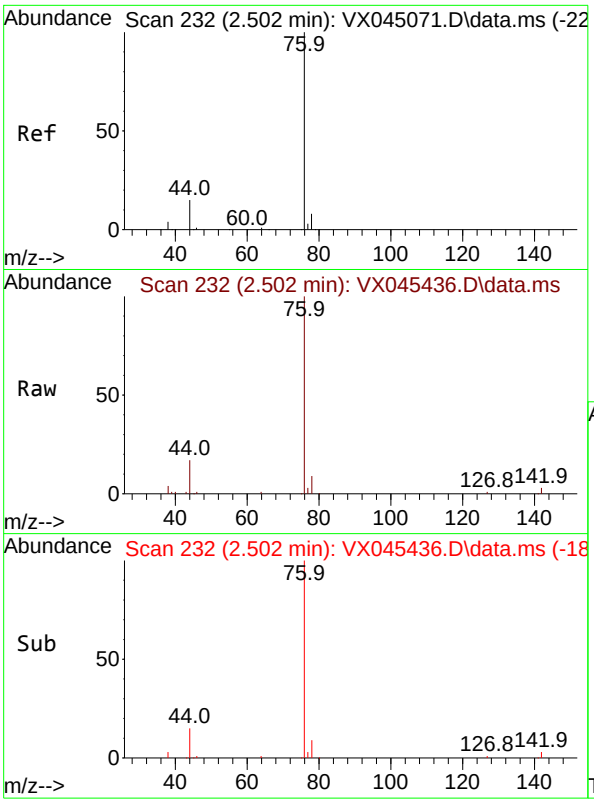


#16
Acetone
Concen: 110.107 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX045436.D
Acq: 25 Mar 2025 13:35

Tgt Ion: 43 Resp: 71720

Ion	Ratio	Lower	Upper
43	100		
58	29.8	24.2	36.4

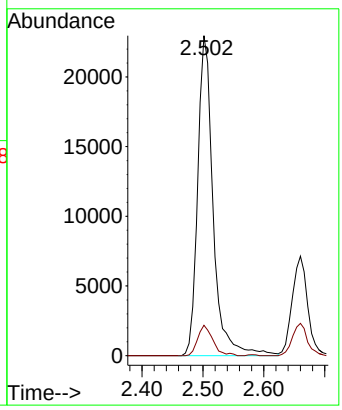




#17
Carbon Disulfide
Concen: 13.988 ug/l
RT: 2.502 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045436.D
Acq: 25 Mar 2025 13:35

Tgt Ion: 76 Resp: 4040

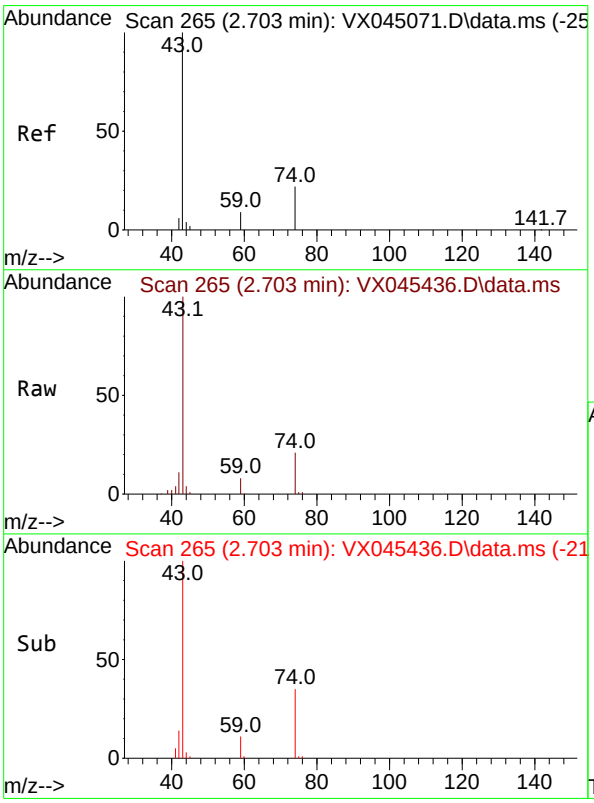
Ion	Ratio	Lower	Upper
76	100		
78	9.5	6.6	9.8



Instrument :
MSVOA_X
ClientSampleId :
VX0325WBS02

Manual Integrations
APPROVED

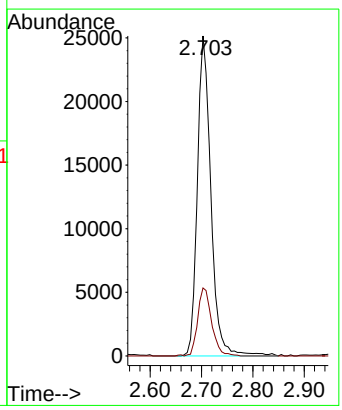
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

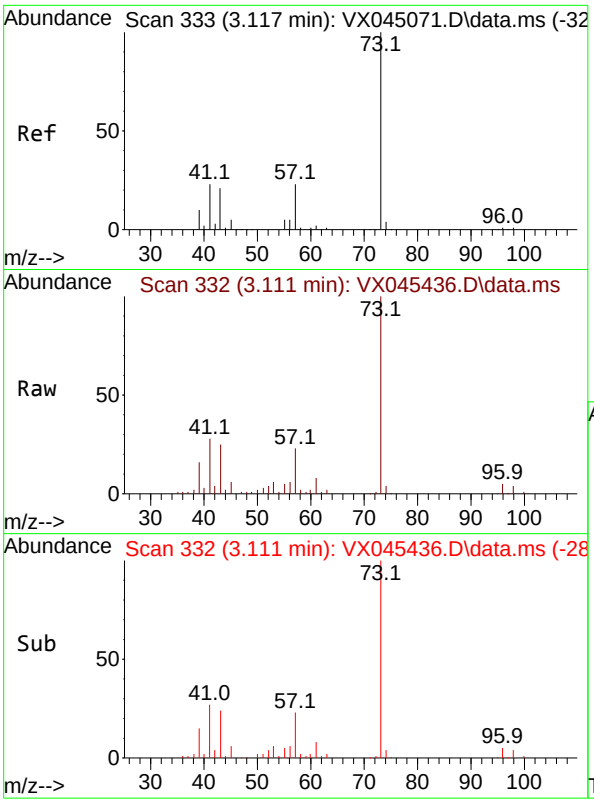


#18
Methyl Acetate
Concen: 29.376 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX045436.D
Acq: 25 Mar 2025 13:35

Tgt Ion: 43 Resp: 46032

Ion	Ratio	Lower	Upper
43	100		
74	21.8	17.4	26.2

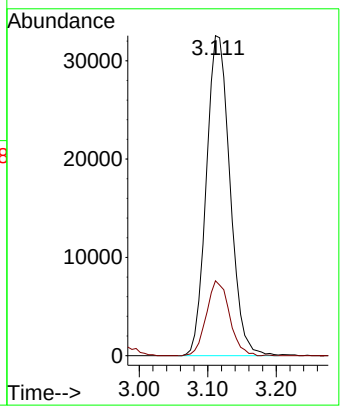




#19
Methyl tert-butyl Ether
Concen: 21.473 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045436.D
Acq: 25 Mar 2025 13:35

Tgt Ion: 73 Resp: 7813

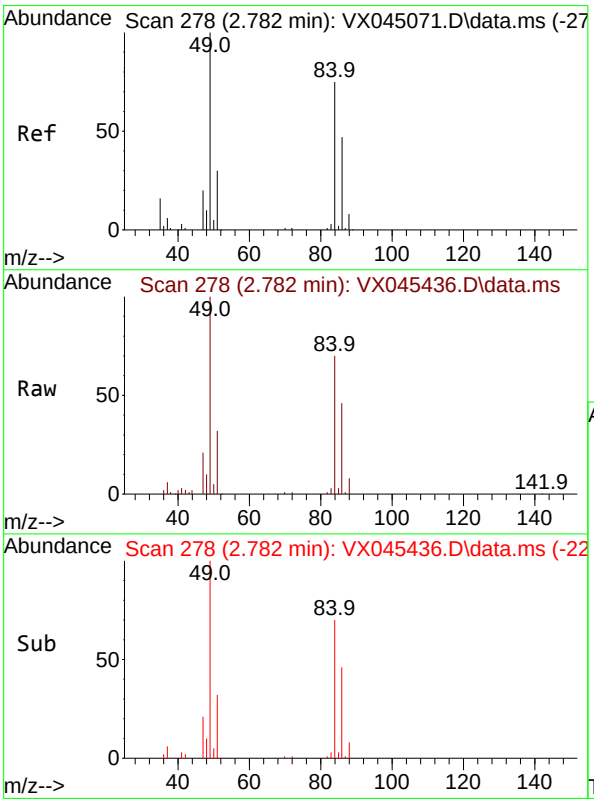
Ion	Ratio	Lower	Upper
73	100		
57	23.4	18.5	27.7



Instrument :
MSVOA_X
ClientSampleId :
VX0325WBS02

Manual Integrations
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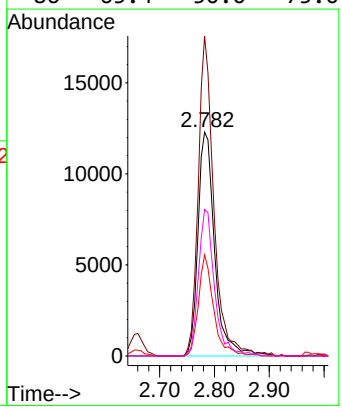
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

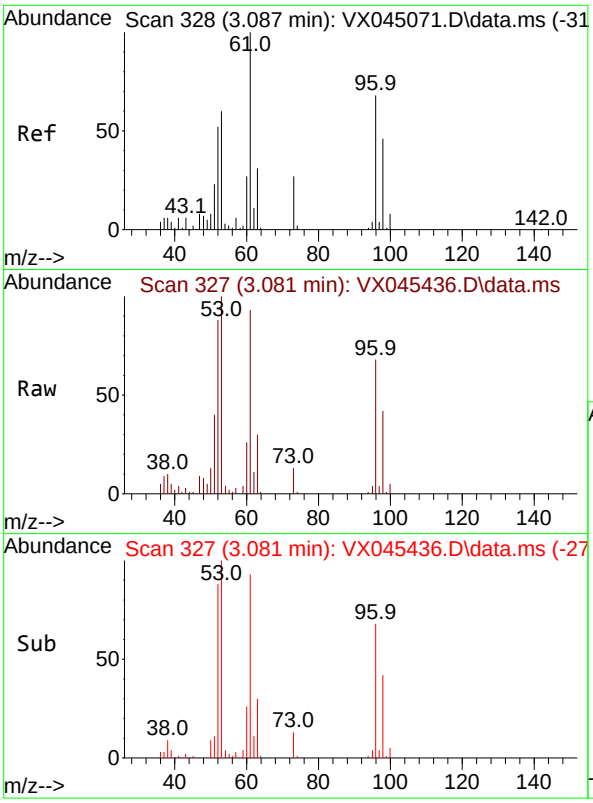


#20
Methylene Chloride
Concen: 20.238 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX045436.D
Acq: 25 Mar 2025 13:35

Tgt Ion: 84 Resp: 26113

Ion	Ratio	Lower	Upper
84	100		
49	143.0	106.5	159.7
51	45.2	32.1	48.1
86	65.4	50.0	75.0

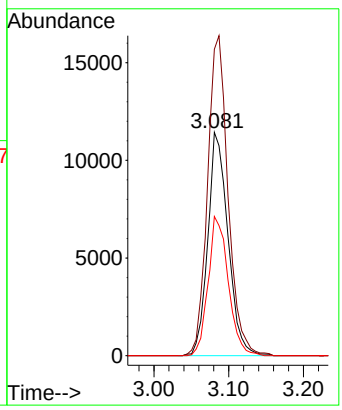




#21
trans-1,2-Dichloroethene
Concen: 20.072 ug/l
RT: 3.081 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045436.D
Acq: 25 Mar 2025 13:35

Tgt Ion: 96 Resp: 2150

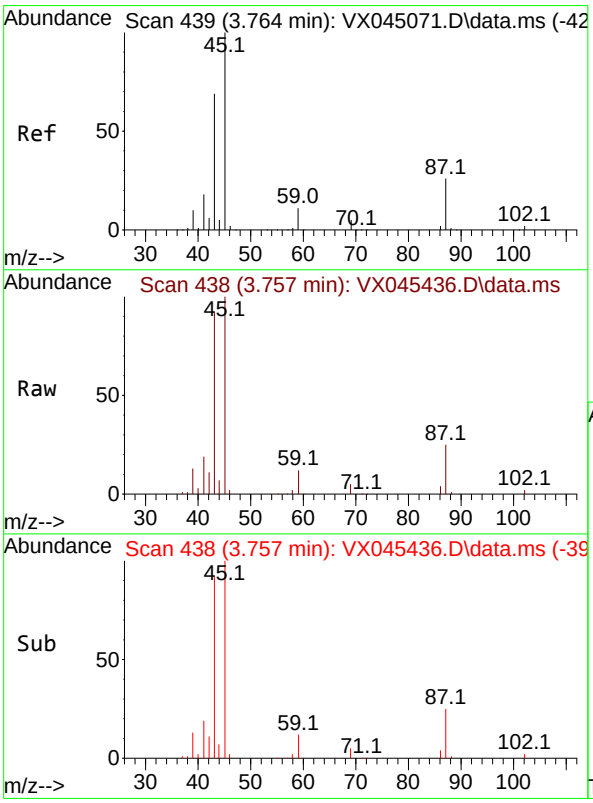
Ion	Ratio	Lower	Upper
96	100		
61	137.2	117.0	175.4
98	62.3	53.4	80.2



Instrument :
MSVOA_X
ClientSampleId :
VX0325WBS02

Manual Integrations
APPROVED

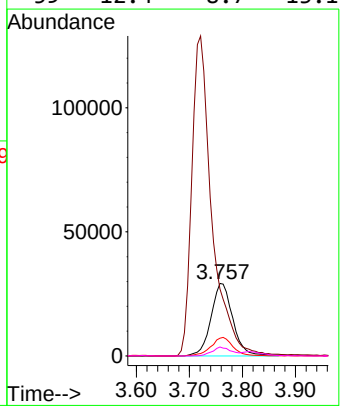
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

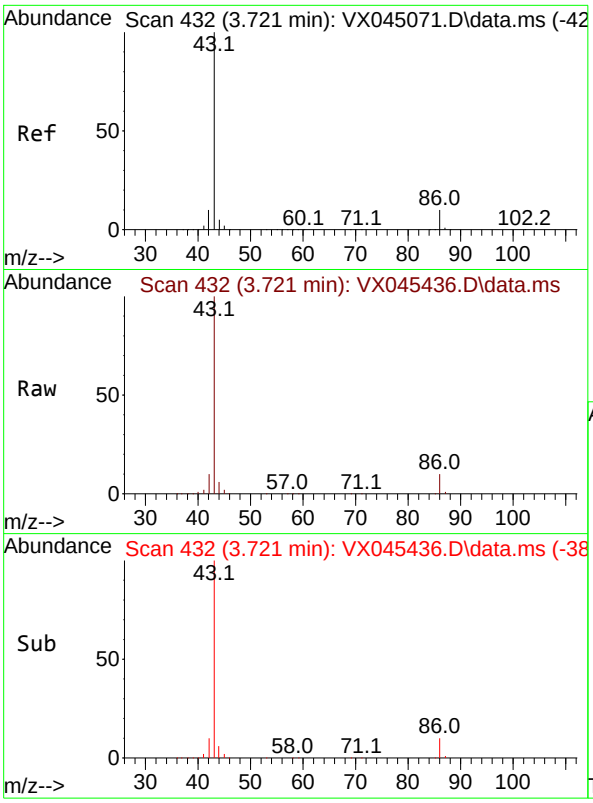


#22
Diisopropyl ether
Concen: 21.242 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.006 min
Lab File: VX045436.D
Acq: 25 Mar 2025 13:35

Tgt Ion: 45 Resp: 83401

Ion	Ratio	Lower	Upper
45	100		
43	91.4	54.9	82.3#
87	24.6	21.0	31.4
59	12.4	8.7	13.1





#23
Vinyl Acetate
Concen: 104.034 ug/l
RT: 3.721 min Scan# 4
Delta R.T. 0.000 min
Lab File: VX045436.D
Acq: 25 Mar 2025 13:35

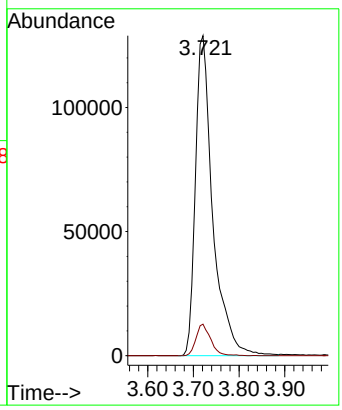
Tgt Ion: 43 Resp: 34085

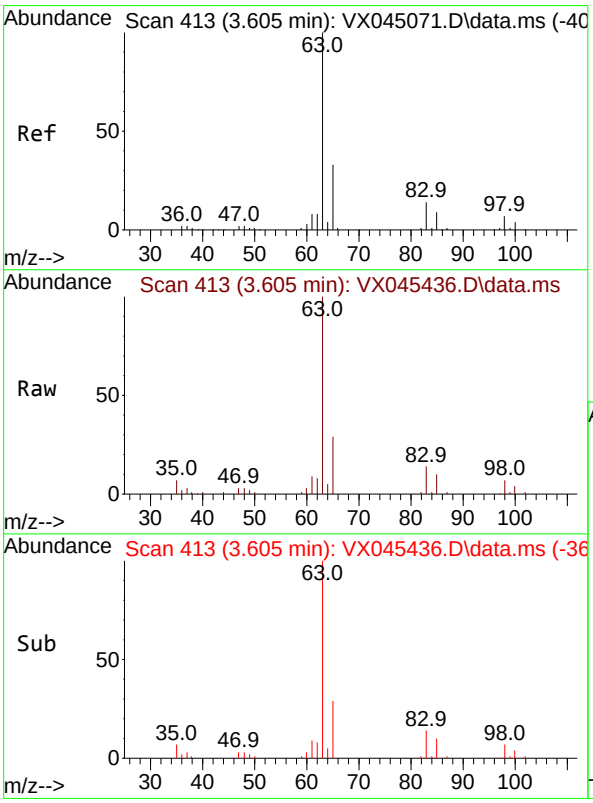
Ion	Ratio	Lower	Upper
43	100		
86	9.9	8.1	12.1

Instrument :
MSVOA_X
ClientSampleId :
VX0325WBS02

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Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

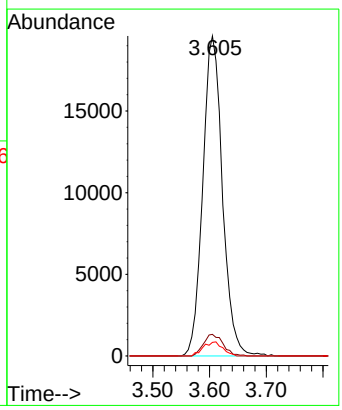


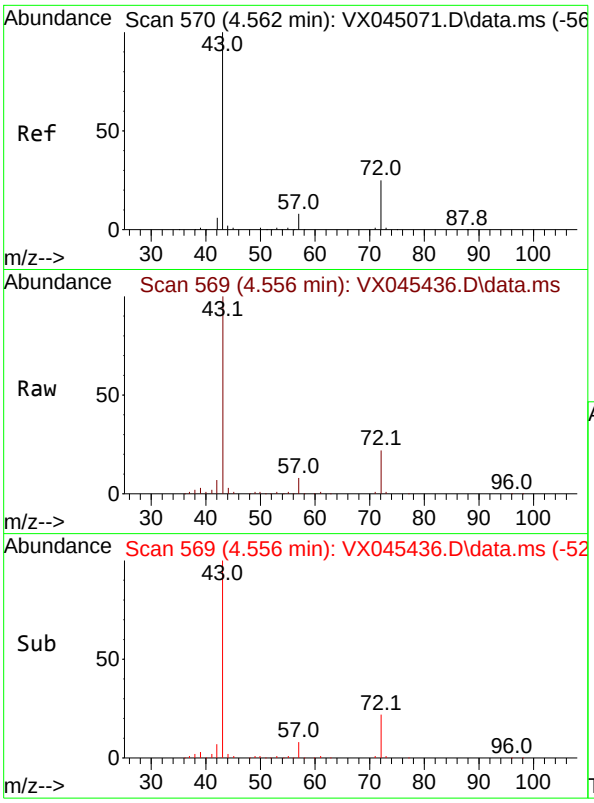


#24
1,1-Dichloroethane
Concen: 21.451 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX045436.D
Acq: 25 Mar 2025 13:35

Tgt Ion: 63 Resp: 47200

Ion	Ratio	Lower	Upper
63	100		
98	6.8	3.4	10.2
100	4.3	2.1	6.5





#25
2-Butanone
Concen: 110.005 ug/l
RT: 4.556 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX045436.D
Acq: 25 Mar 2025 13:35

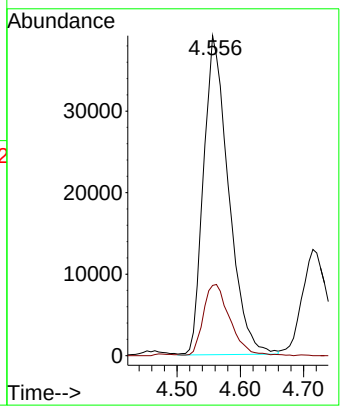
Tgt Ion: 43 Resp: 10785

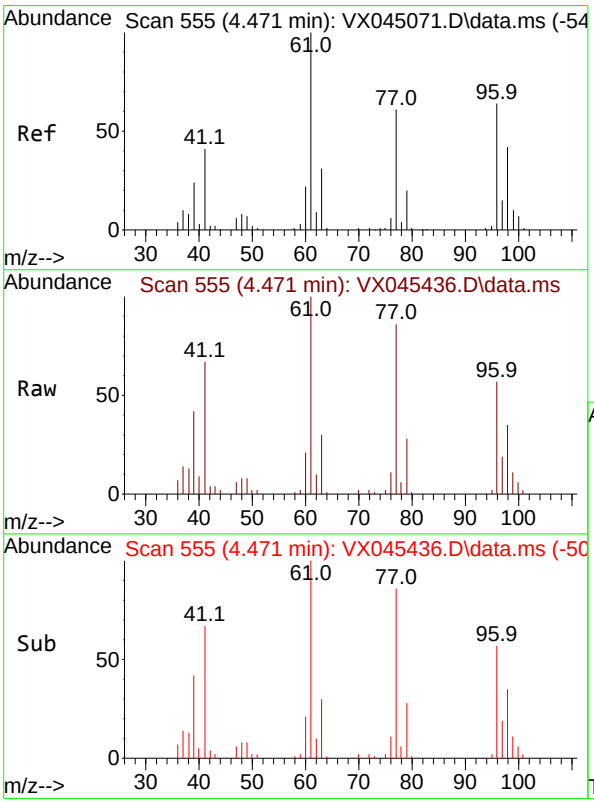
Ion	Ratio	Lower	Upper
43	100		
72	21.8	20.0	30.0

Instrument :
MSVOA_X
ClientSampleId :
VX0325WBS02

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Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

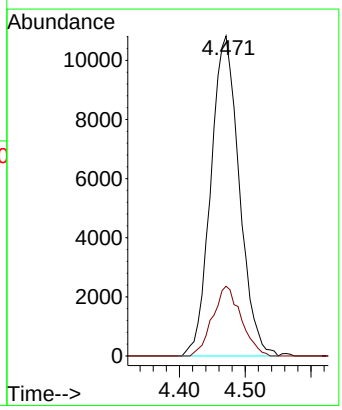


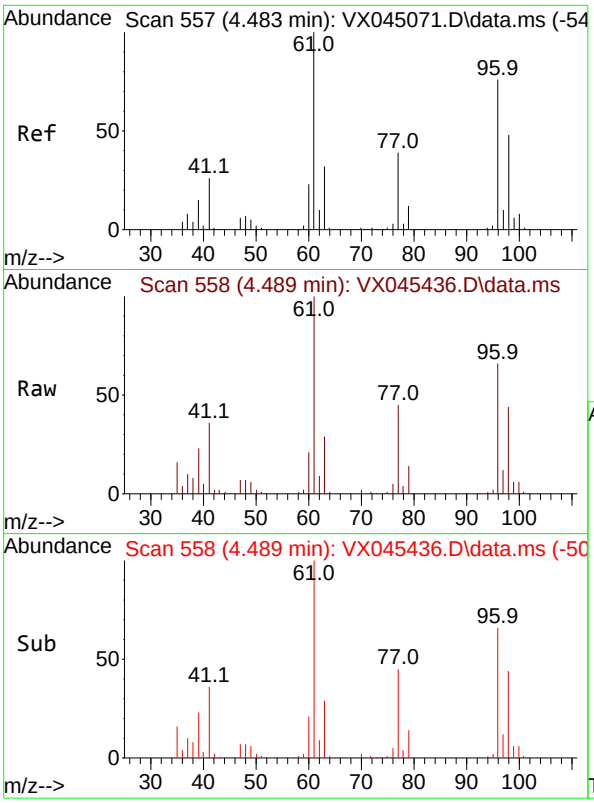


#26
2,2-Dichloropropane
Concen: 31.616 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.000 min
Lab File: VX045436.D
Acq: 25 Mar 2025 13:35

Tgt Ion: 77 Resp: 32630

Ion	Ratio	Lower	Upper
77	100		
97	21.8	12.4	37.0

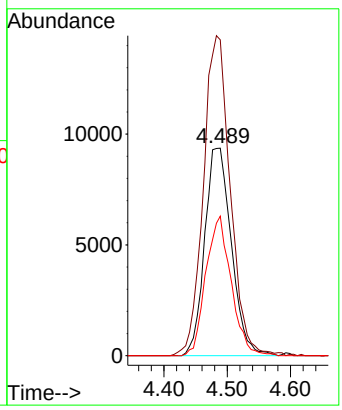




#27
cis-1,2-Dichloroethene
Concen: 20.781 ug/l
RT: 4.489 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX045436.D
Acq: 25 Mar 2025 13:35

Tgt Ion: 96 Resp: 2748

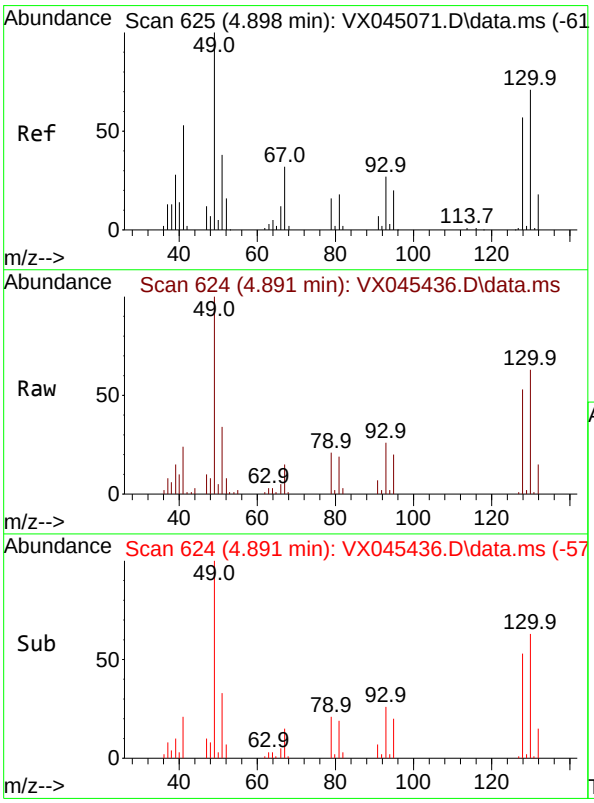
Ion	Ratio	Lower	Upper
96	100		
61	155.3	0.0	283.2
98	63.7	0.0	128.0



Instrument :
MSVOA_X
ClientSampleId :
VX0325WBS02

Manual Integrations
APPROVED

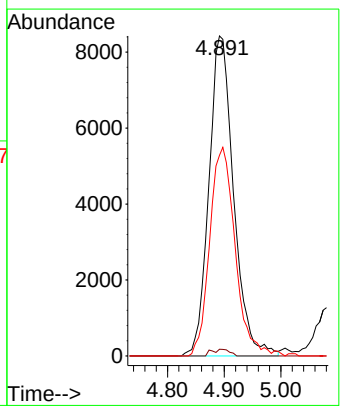
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

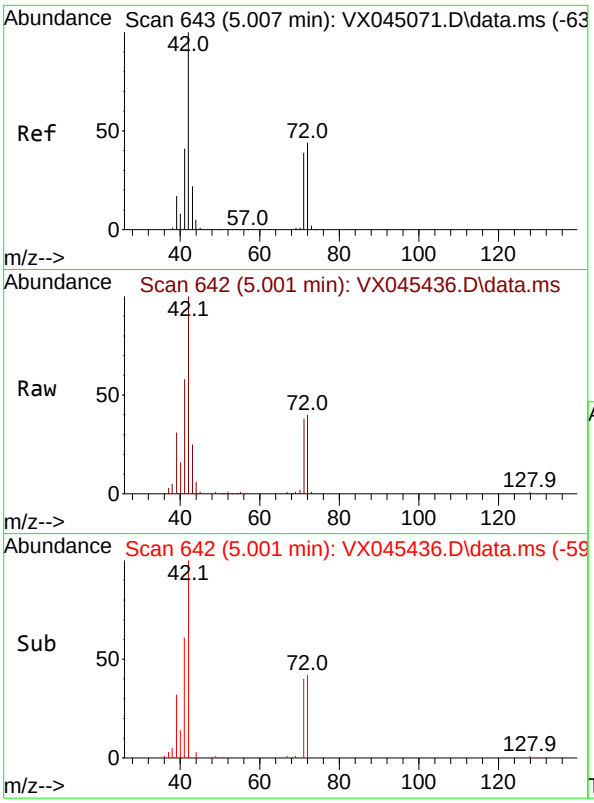


#28
Bromochloromethane
Concen: 24.329 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX045436.D
Acq: 25 Mar 2025 13:35

Tgt Ion: 49 Resp: 25516

Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	3.4
130	66.8	56.1	84.1

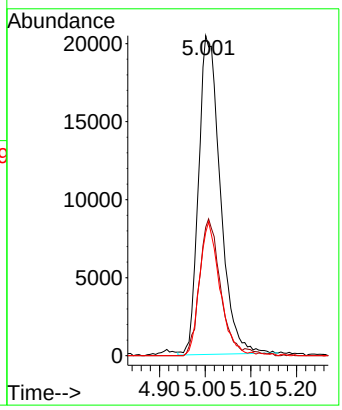




#29
Tetrahydrofuran
Concen: 102.332 ug/l
RT: 5.001 min Scan# 64
Delta R.T. -0.006 min
Lab File: VX045436.D
Acq: 25 Mar 2025 13:35

Tgt Ion: 42 Resp: 6737

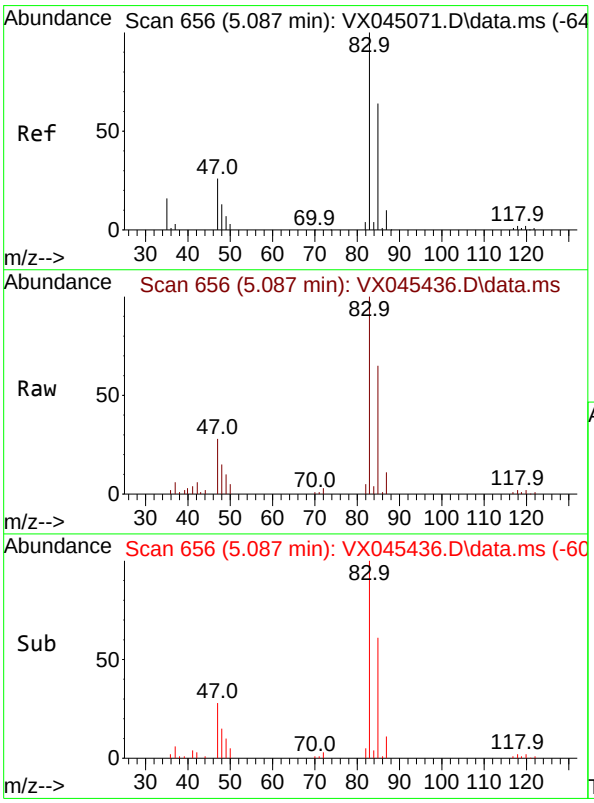
Ion	Ratio	Lower	Upper
42	100		
72	40.8	34.1	51.1
71	39.6	31.4	47.0



Instrument :
MSVOA_X
ClientSampleId :
VX0325WBS02

Manual Integrations
APPROVED

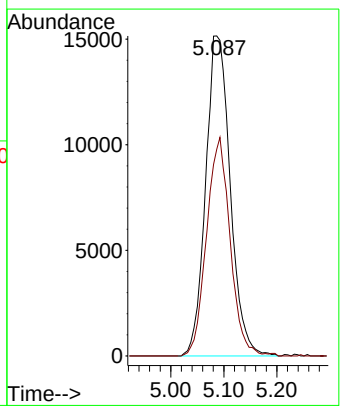
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

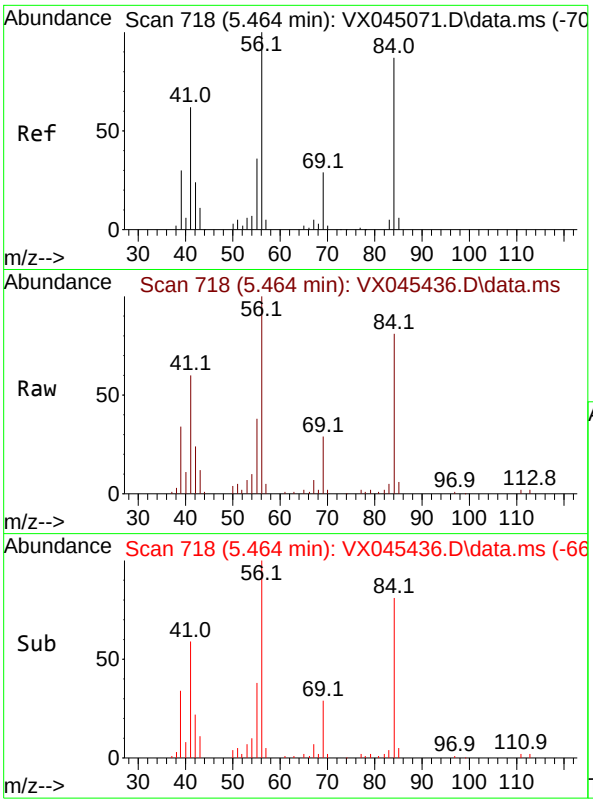


#30
Chloroform
Concen: 22.337 ug/l
RT: 5.087 min Scan# 656
Delta R.T. 0.000 min
Lab File: VX045436.D
Acq: 25 Mar 2025 13:35

Tgt Ion: 83 Resp: 48836

Ion	Ratio	Lower	Upper
83	100		
85	64.6	51.4	77.2

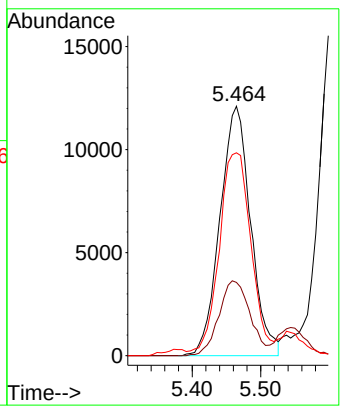




#31
Cyclohexane
Concen: 19.749 ug/l
RT: 5.464 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX045436.D
Acq: 25 Mar 2025 13:35

Tgt Ion: 56 Resp: 3772

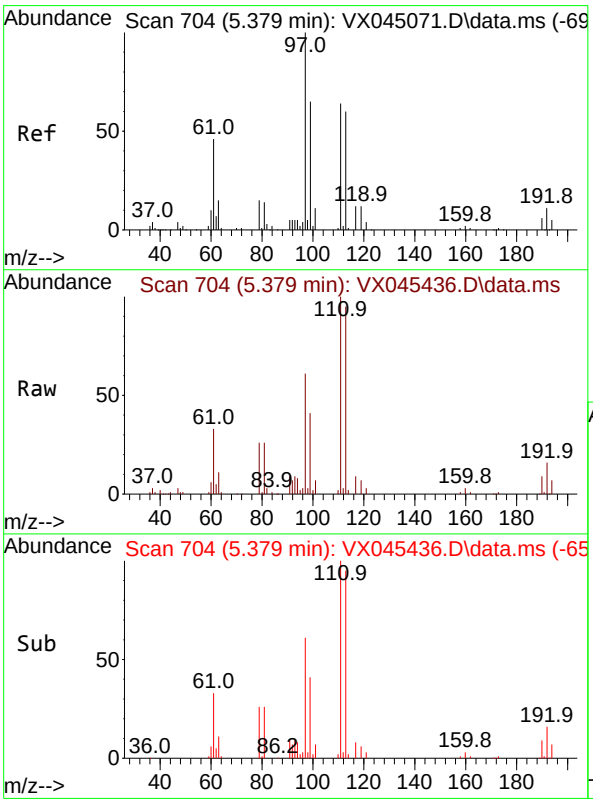
Ion	Ratio	Lower	Upper
56	100		
69	29.4	23.4	35.2
84	78.9	69.4	104.2



Instrument :
MSVOA_X
ClientSampleId :
VX0325WBS02

Manual Integrations
APPROVED

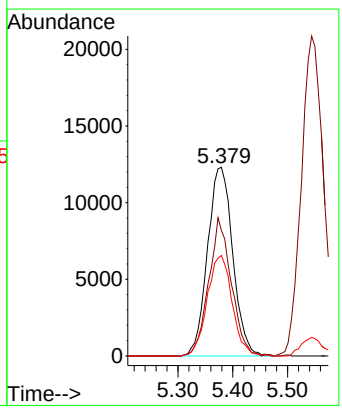
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

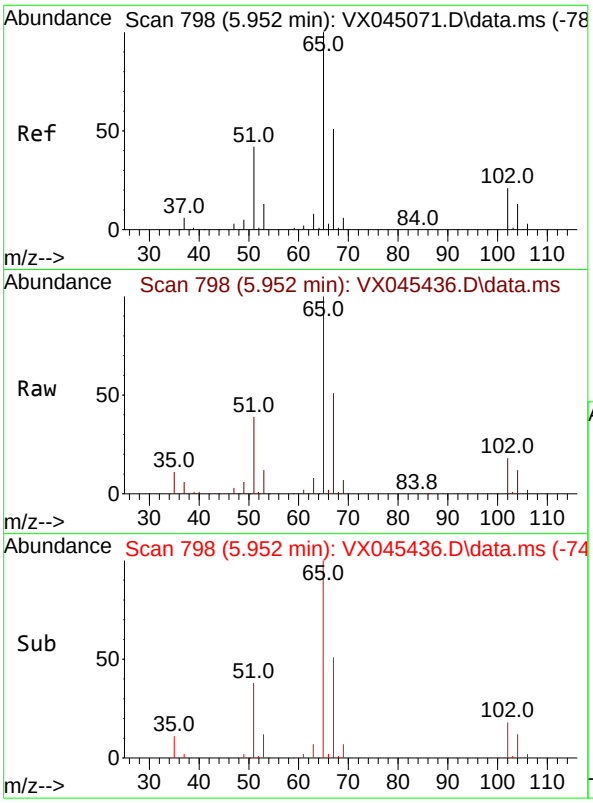


#32
1,1,1-Trichloroethane
Concen: 22.298 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX045436.D
Acq: 25 Mar 2025 13:35

Tgt Ion: 97 Resp: 39374

Ion	Ratio	Lower	Upper
97	100		
99	65.3	51.6	77.4
61	52.6	38.4	57.6

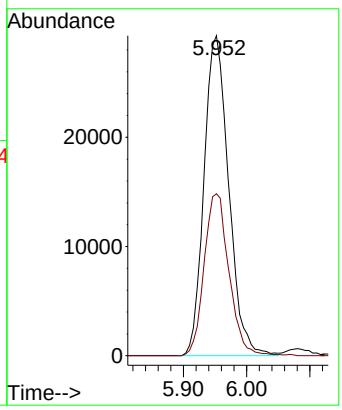




#33
1,2-Dichloroethane-d4
Concen: 56.626 ug/l
RT: 5.952 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX045436.D
Acq: 25 Mar 2025 13:35

Tgt Ion: 65 Resp: 7949

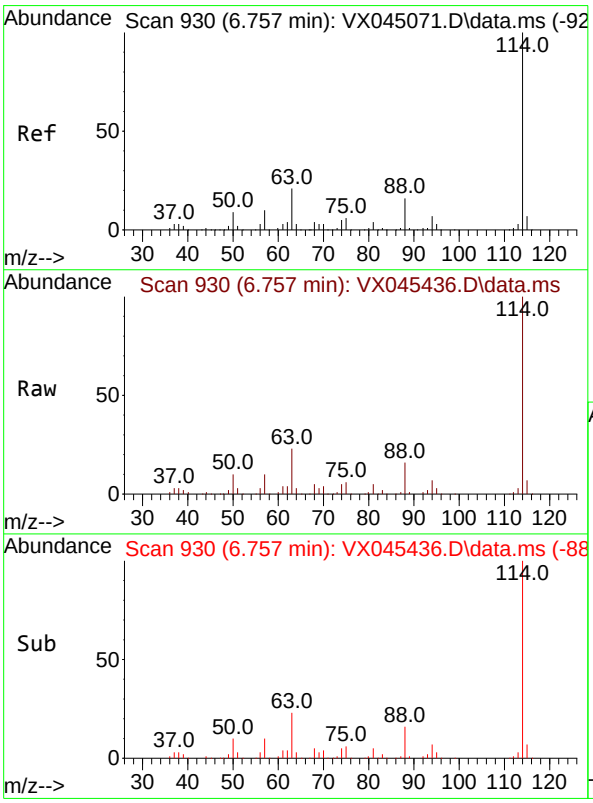
Ion	Ratio	Lower	Upper
65	100		
67	50.9	0.0	106.2



Instrument :
MSVOA_X
ClientSampleId :
VX0325WBS02

Manual Integrations
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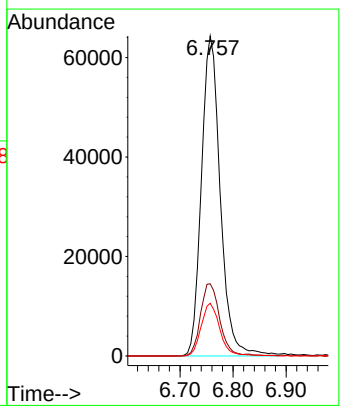
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

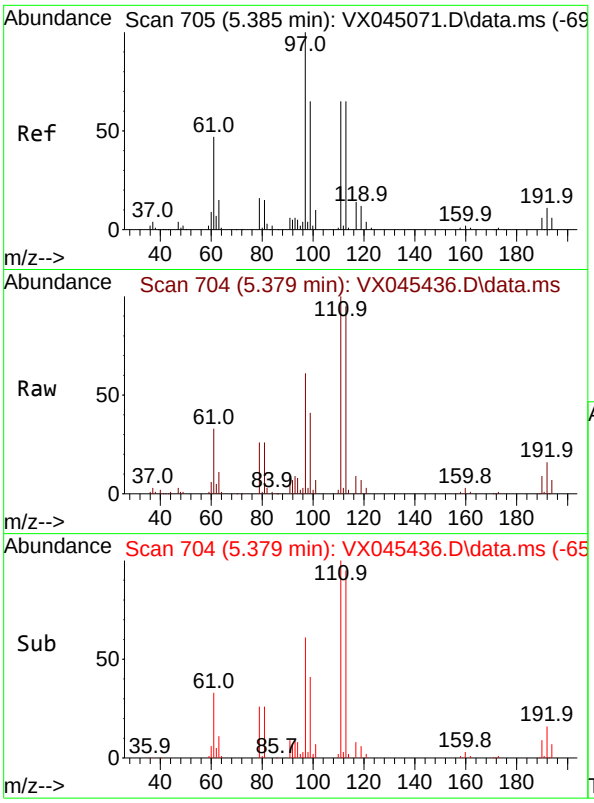


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX045436.D
Acq: 25 Mar 2025 13:35

Tgt Ion:114 Resp: 159282

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

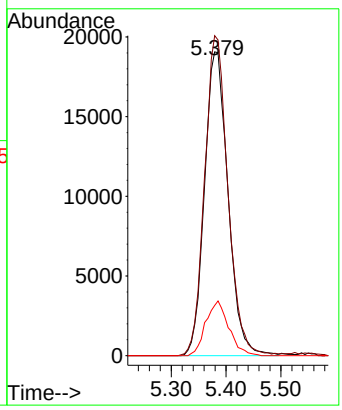




#35
Dibromofluoromethane
Concen: 53.413 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045436.D
Acq: 25 Mar 2025 13:35

Tgt Ion:113 Resp: 5688

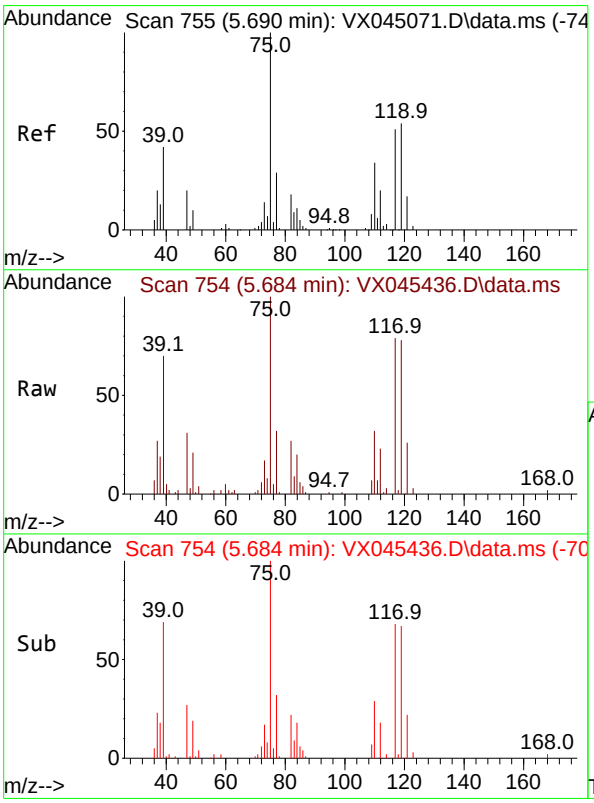
Ion	Ratio	Lower	Upper
113	100		
111	104.3	81.8	122.6
192	17.6	14.3	21.5



Instrument :
MSVOA_X
ClientSampleId :
VX0325WBS02

Manual Integrations
APPROVED

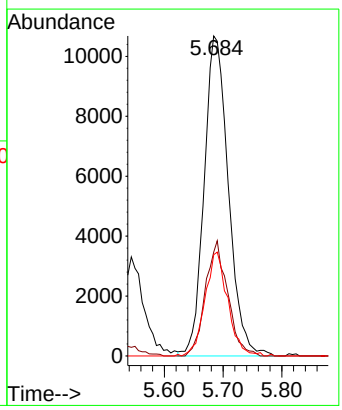
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

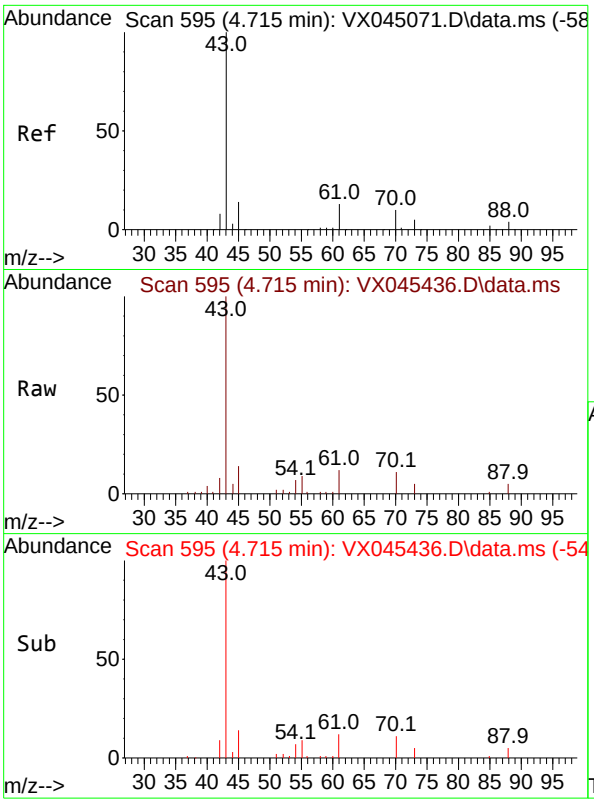


#36
1,1-Dichloropropene
Concen: 20.998 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX045436.D
Acq: 25 Mar 2025 13:35

Tgt Ion: 75 Resp: 30671

Ion	Ratio	Lower	Upper
75	100		
110	33.1	16.9	50.6
77	30.4	24.5	36.7

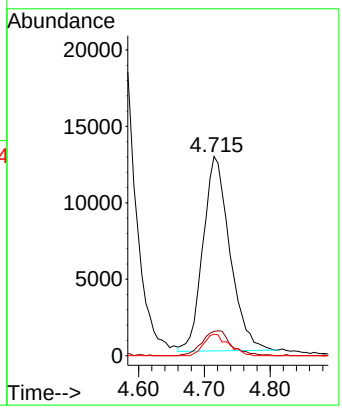




#37
Ethyl Acetate
Concen: 19.253 ug/l
RT: 4.715 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX045436.D
Acq: 25 Mar 2025 13:35

Tgt Ion: 43 Resp: 3623

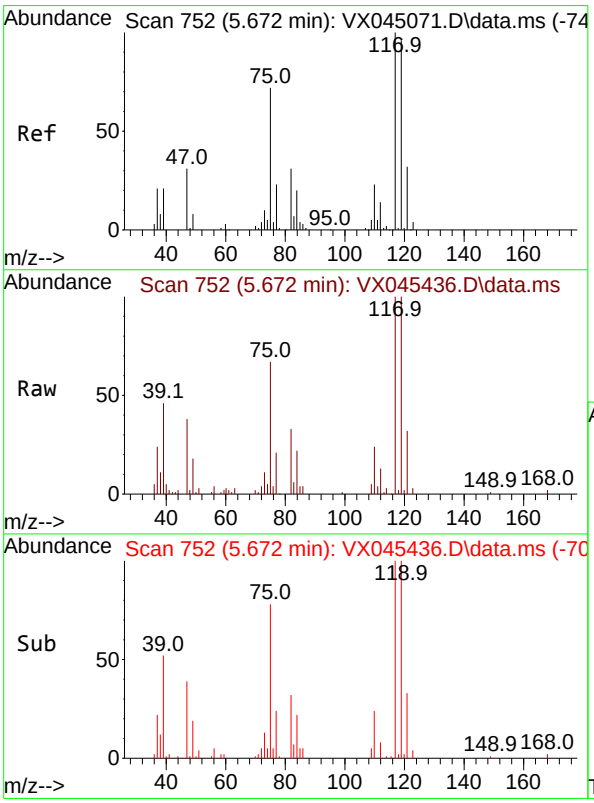
Ion	Ratio	Lower	Upper
43	100		
61	13.8	10.8	16.2
70	10.2	7.7	11.5



Instrument :
MSVOA_X
ClientSampleId :
VX0325WBS02

Manual Integrations
APPROVED

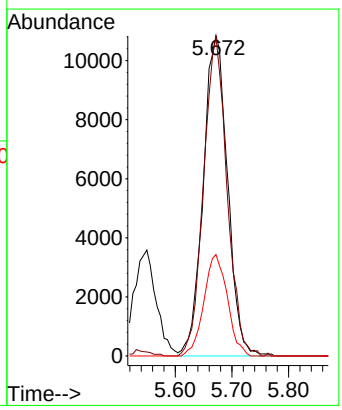
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

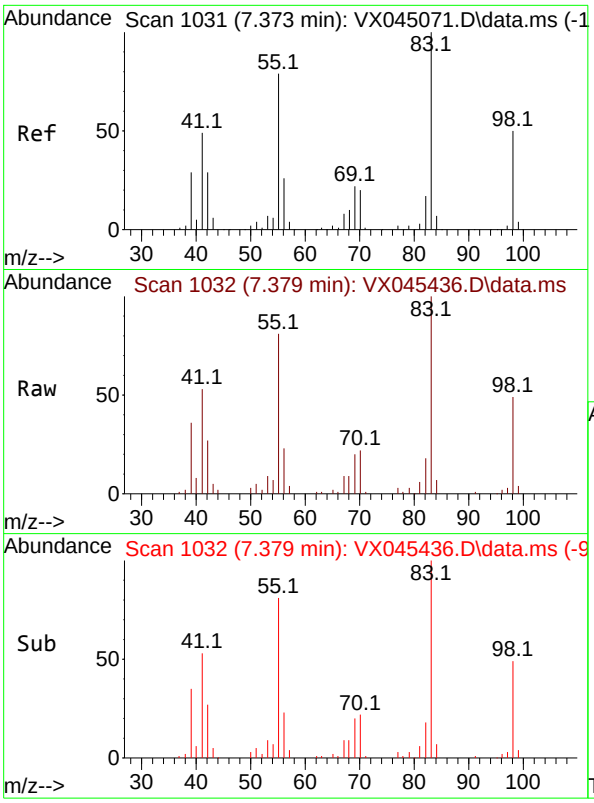


#38
Carbon Tetrachloride
Concen: 21.844 ug/l
RT: 5.672 min Scan# 752
Delta R.T. 0.000 min
Lab File: VX045436.D
Acq: 25 Mar 2025 13:35

Tgt Ion:117 Resp: 32393

Ion	Ratio	Lower	Upper
117	100		
119	99.8	76.7	115.1
121	31.7	25.5	38.3

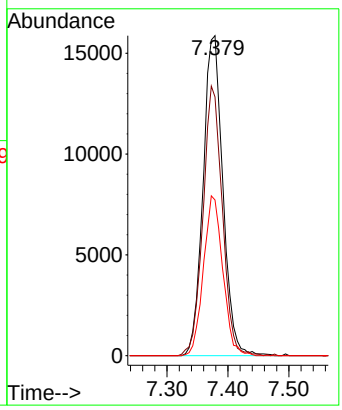




#39
Methylcyclohexane
Concen: 20.495 ug/l
RT: 7.379 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045436.D
Acq: 25 Mar 2025 13:35

Tgt Ion: 83 Resp: 3587

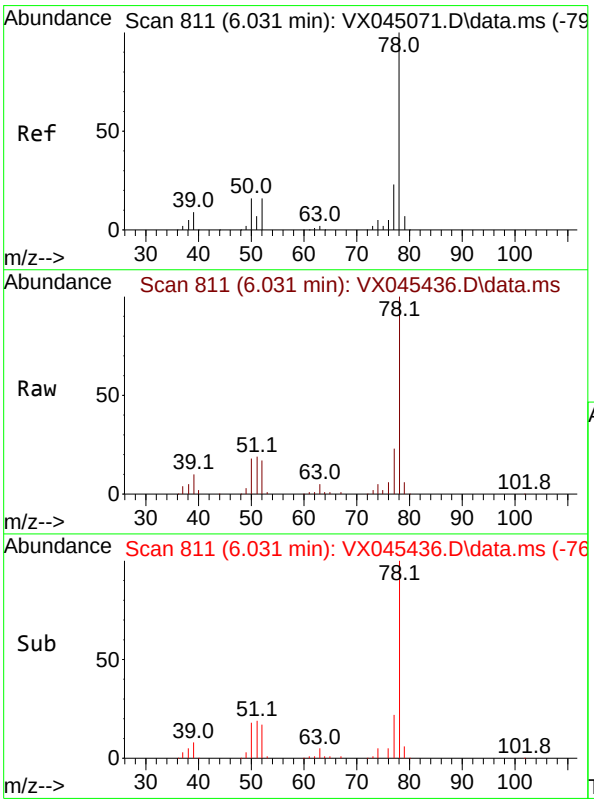
Ion	Ratio	Lower	Upper
83	100		
55	80.9	63.0	94.4
98	48.7	39.7	59.5



Instrument :
MSVOA_X
ClientSampleId :
VX0325WBS02

Manual Integrations
APPROVED

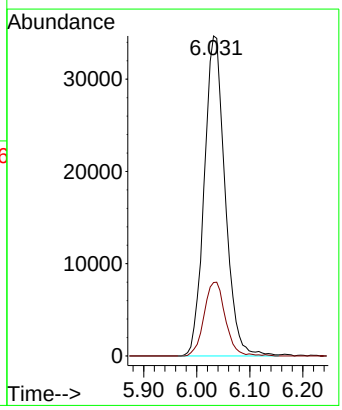
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

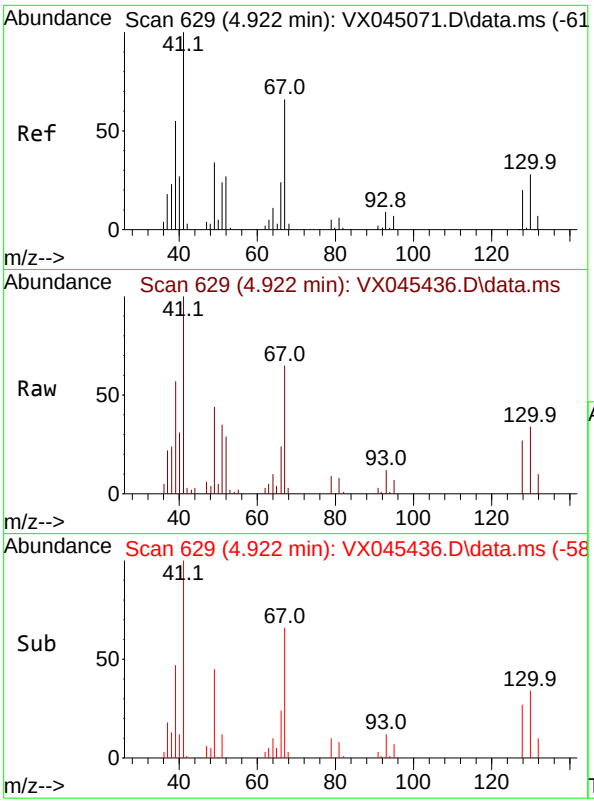


#40
Benzene
Concen: 20.503 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX045436.D
Acq: 25 Mar 2025 13:35

Tgt Ion: 78 Resp: 94569

Ion	Ratio	Lower	Upper
78	100		
77	22.9	18.8	28.2

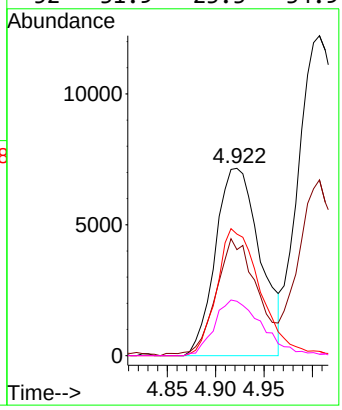




#41
Methacrylonitrile
Concen: 22.585 ug/l
RT: 4.922 min Scan# 6
Delta R.T. 0.000 min
Lab File: VX045436.D
Acq: 25 Mar 2025 13:35

Tgt Ion: 41 Resp: 2298

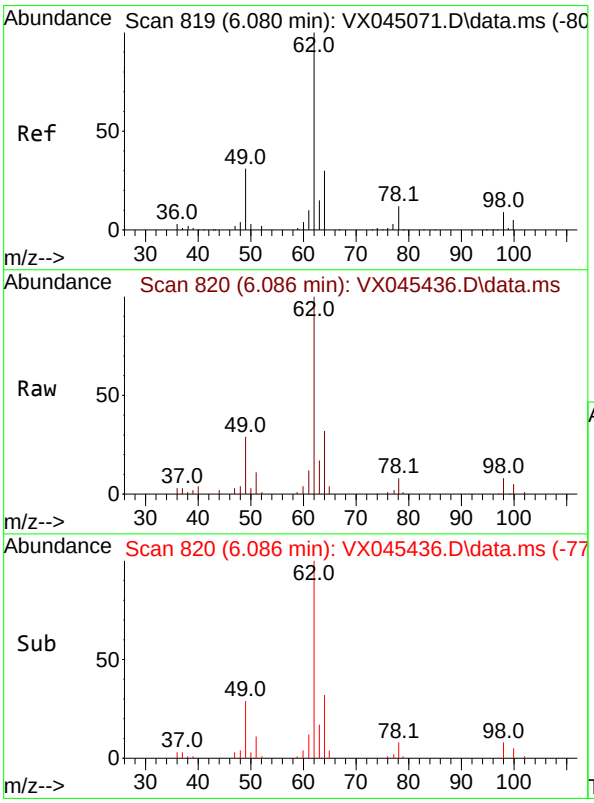
Ion	Ratio	Lower	Upper
41	100		
39	58.1	44.6	67.0
67	66.4	53.9	80.9
52	31.9	23.3	34.9



Instrument :
MSVOA_X
ClientSampleId :
VX0325WBS02

Manual Integrations
APPROVED

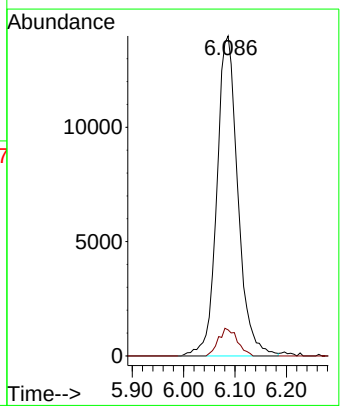
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

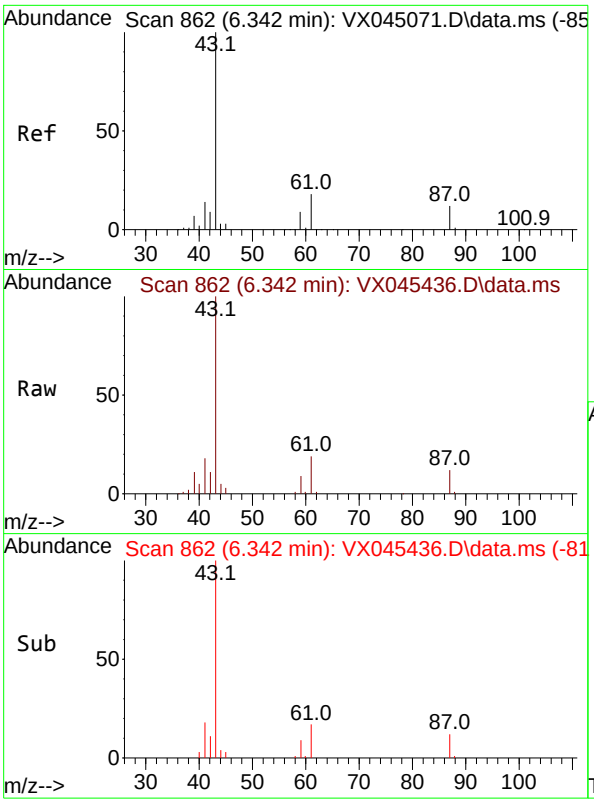


#42
1,2-Dichloroethane
Concen: 23.922 ug/l
RT: 6.086 min Scan# 820
Delta R.T. 0.006 min
Lab File: VX045436.D
Acq: 25 Mar 2025 13:35

Tgt Ion: 62 Resp: 39733

Ion	Ratio	Lower	Upper
62	100		
98	7.8	0.0	18.2

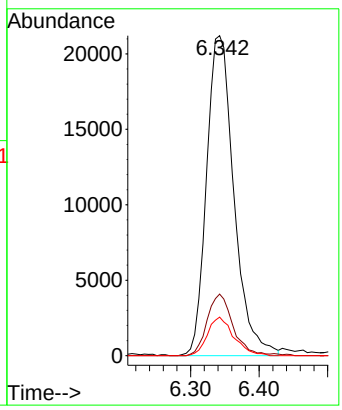




#43
Isopropyl Acetate
Concen: 21.175 ug/l
RT: 6.342 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX045436.D
Acq: 25 Mar 2025 13:35

Tgt Ion: 43 Resp: 5893

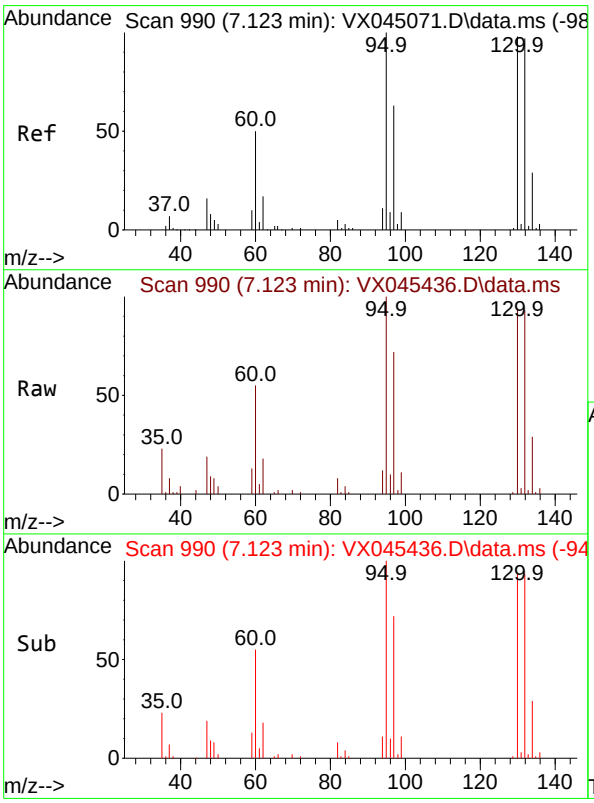
Ion	Ratio	Lower	Upper
43	100		
61	18.4	14.9	22.3
87	11.5	9.4	14.2



Instrument :
MSVOA_X
ClientSampleId :
VX0325WBS02

Manual Integrations
APPROVED

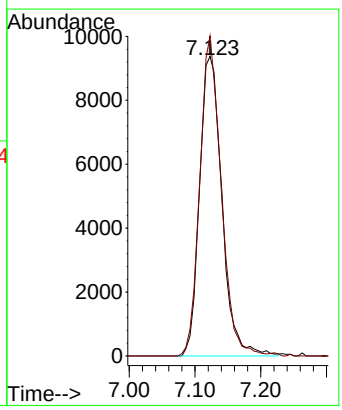
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

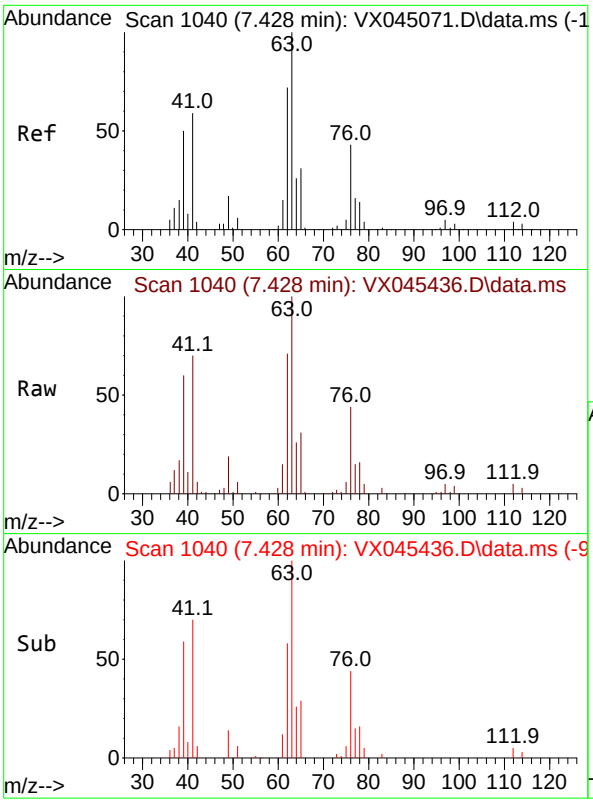


#44
Trichloroethene
Concen: 20.499 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX045436.D
Acq: 25 Mar 2025 13:35

Tgt Ion:130 Resp: 22201

Ion	Ratio	Lower	Upper
130	100		
95	106.8	0.0	205.0

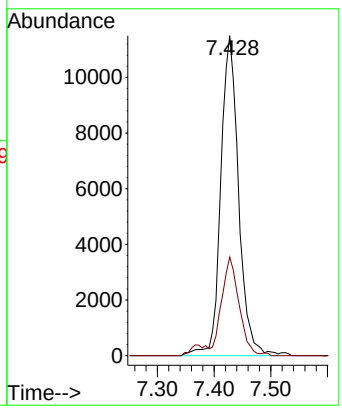




#45
1,2-Dichloropropane
Concen: 21.126 ug/l
RT: 7.428 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045436.D
Acq: 25 Mar 2025 13:35

Tgt Ion: 63 Resp: 2505

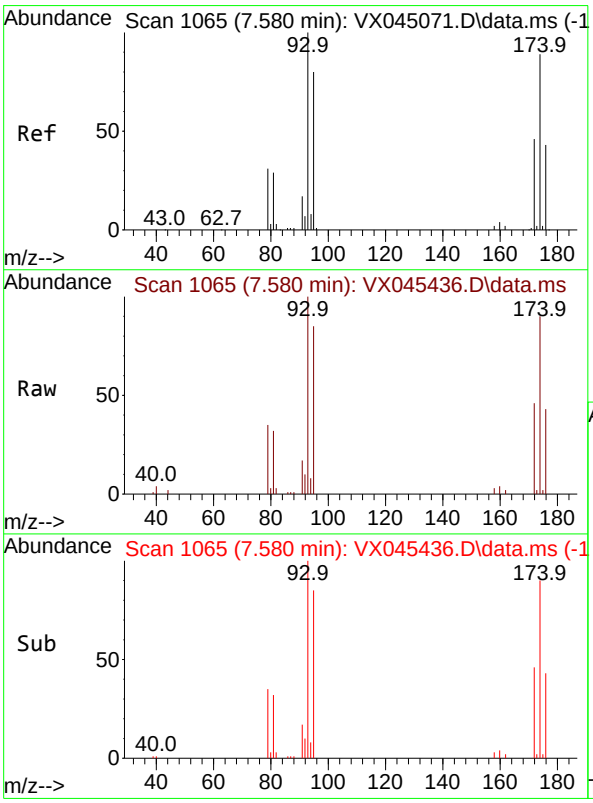
Ion	Ratio	Lower	Upper
63	100		
65	30.8	24.7	37.1



Instrument :
MSVOA_X
ClientSampleId :
VX0325WBS02

Manual Integrations
APPROVED

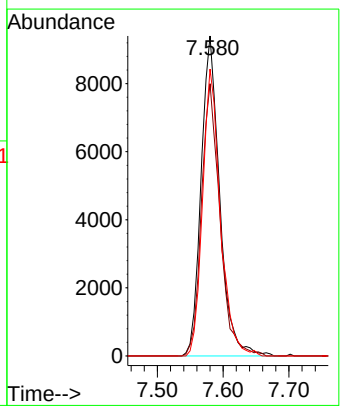
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

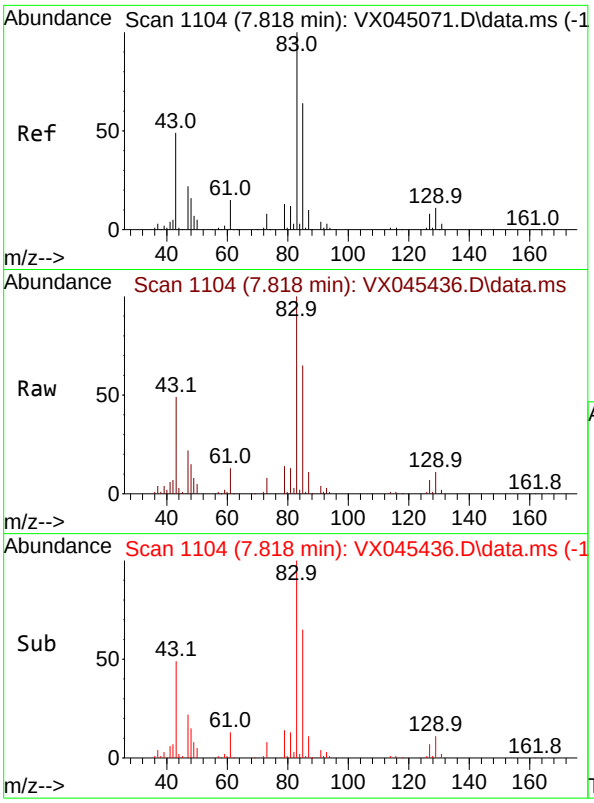


#46
Dibromomethane
Concen: 22.050 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. 0.000 min
Lab File: VX045436.D
Acq: 25 Mar 2025 13:35

Tgt Ion: 93 Resp: 18482

Ion	Ratio	Lower	Upper
93	100		
95	84.4	65.8	98.8
174	85.8	72.2	108.2

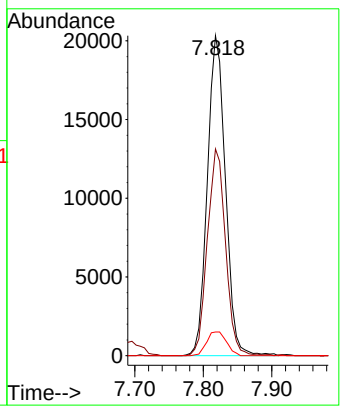




#47
Bromodichloromethane
Concen: 22.690 ug/l
RT: 7.818 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045436.D
Acq: 25 Mar 2025 13:35

Tgt Ion: 83 Resp: 3730

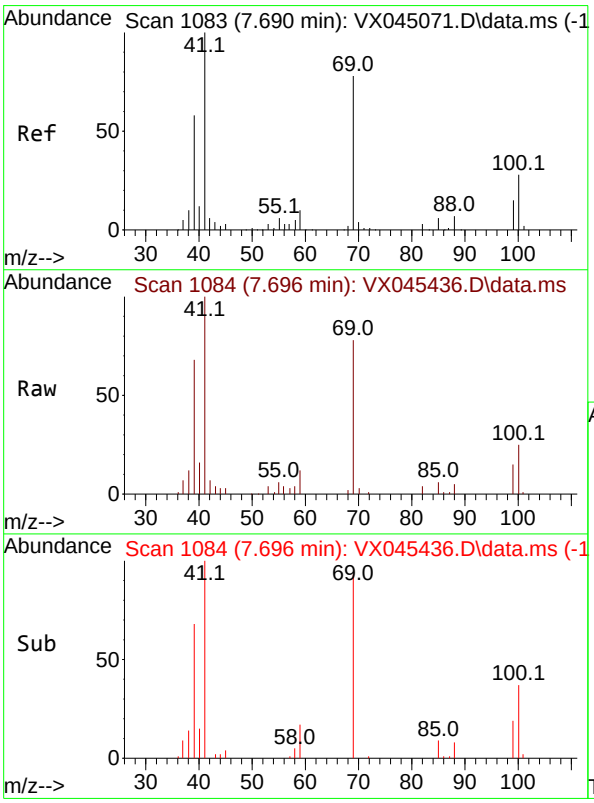
Ion	Ratio	Lower	Upper
83	100		
85	64.6	51.1	76.7
127	7.4	6.4	9.6



Instrument :
MSVOA_X
ClientSampleId :
VX0325WBS02

Manual Integrations APPROVED

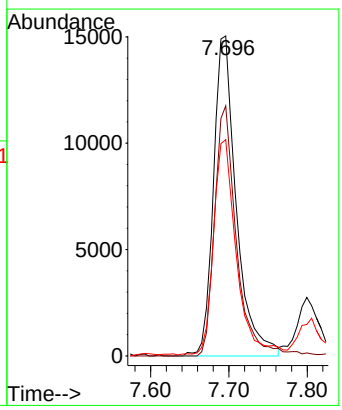
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

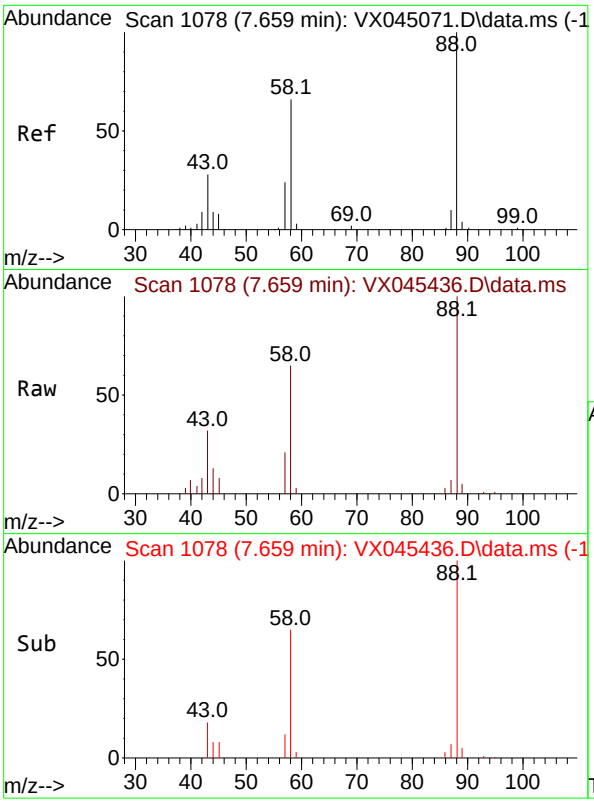


#48
Methyl methacrylate
Concen: 21.839 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. 0.006 min
Lab File: VX045436.D
Acq: 25 Mar 2025 13:35

Tgt Ion: 41 Resp: 30493

Ion	Ratio	Lower	Upper
41	100		
69	75.0	63.0	94.6
39	67.1	47.5	71.3





#49
1,4-Dioxane
Concen: 375.106 ug/l
RT: 7.659 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045436.D
Acq: 25 Mar 2025 13:35

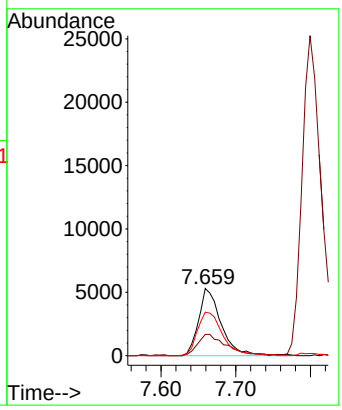
Tgt Ion: 88 Resp: 1104

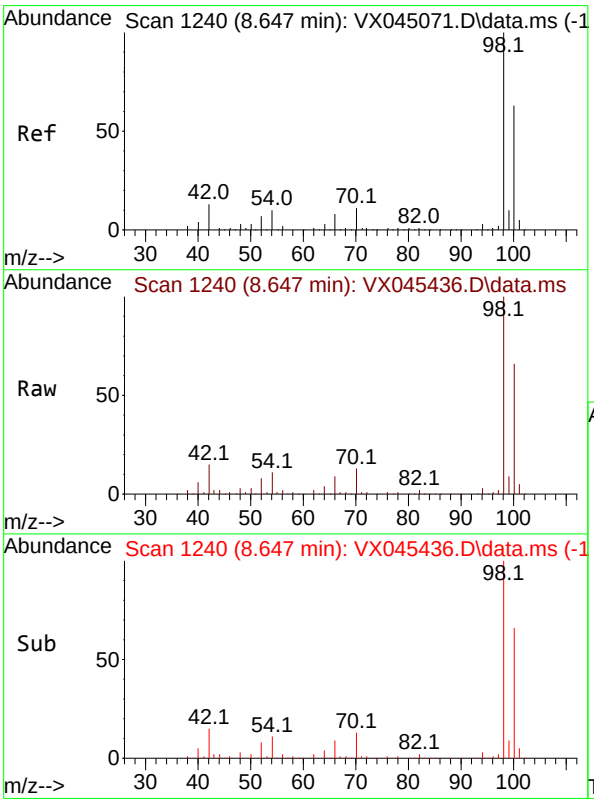
Ion	Ratio	Lower	Upper
88	100		
43	40.4	28.7	43.1
58	72.8	55.8	83.8

Instrument :
MSVOA_X
ClientSampleId :
VX0325WBS02

Manual Integrations
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Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

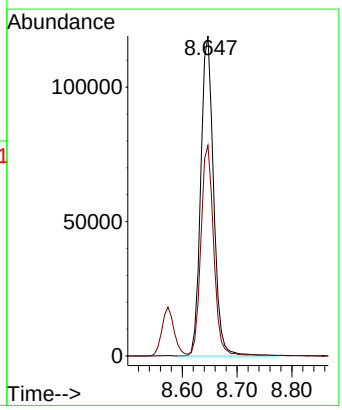


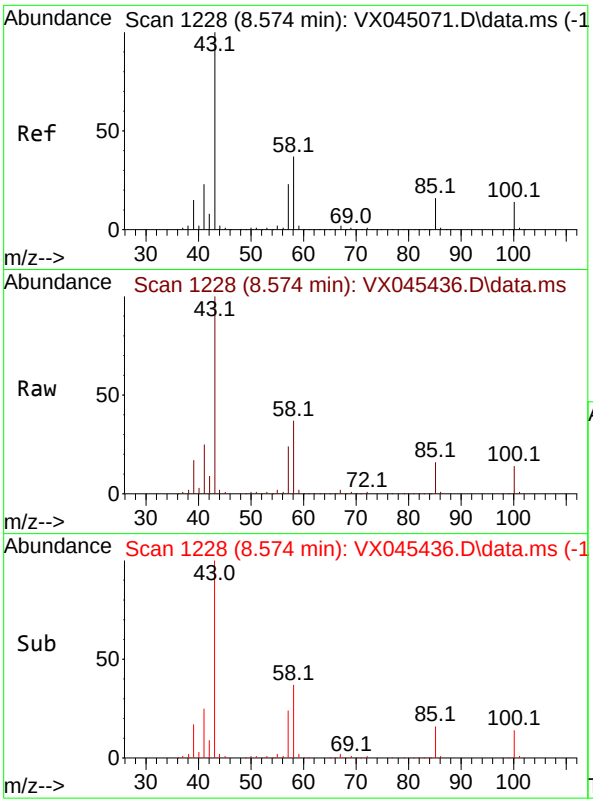


#50
Toluene-d8
Concen: 50.177 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX045436.D
Acq: 25 Mar 2025 13:35

Tgt Ion: 98 Resp: 193748

Ion	Ratio	Lower	Upper
98	100		
100	65.6	52.0	78.0

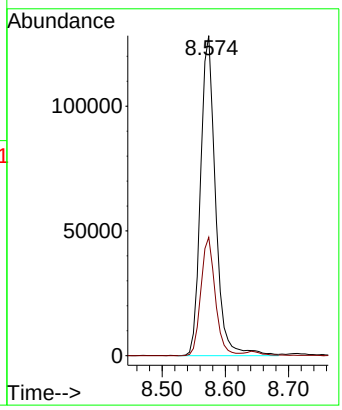




#51
4-Methyl-2-Pentanone
Concen: 113.420 ug/l
RT: 8.574 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045436.D
Acq: 25 Mar 2025 13:35

Tgt Ion: 43 Resp: 21195

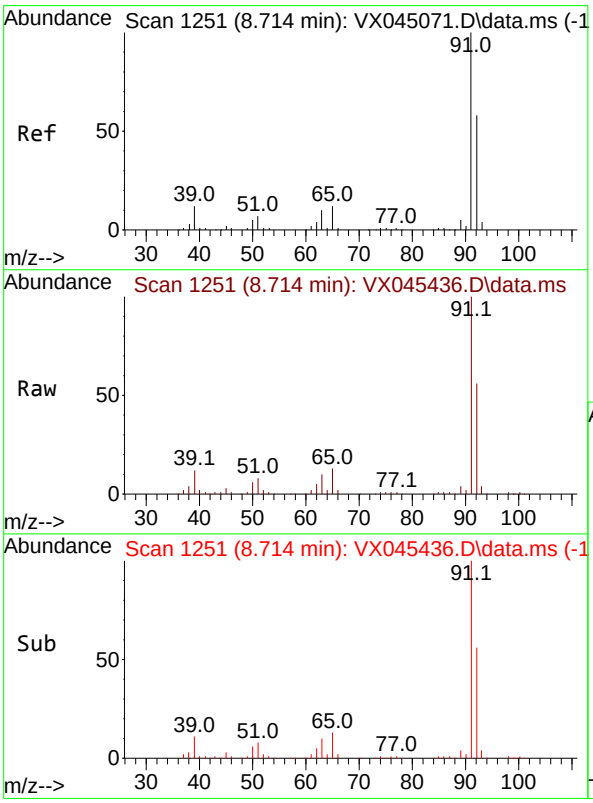
Ion	Ratio	Lower	Upper
43	100		
58	35.5	29.2	43.8



Instrument :
MSVOA_X
ClientSampleId :
VX0325WBS02

Manual Integrations APPROVED

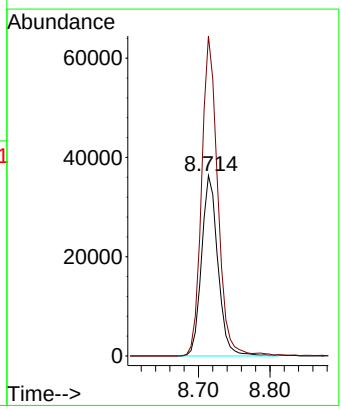
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

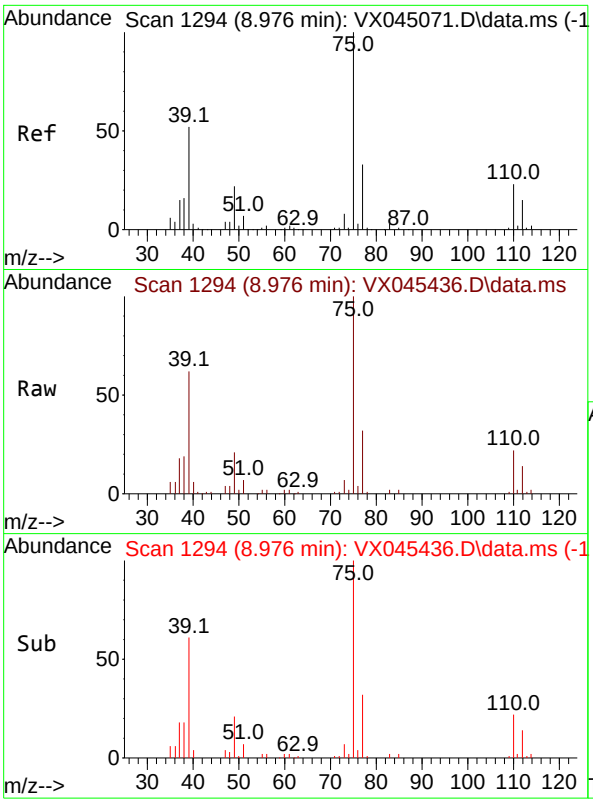


#52
Toluene
Concen: 21.371 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX045436.D
Acq: 25 Mar 2025 13:35

Tgt Ion: 92 Resp: 57834

Ion	Ratio	Lower	Upper
92	100		
91	175.6	138.9	208.3

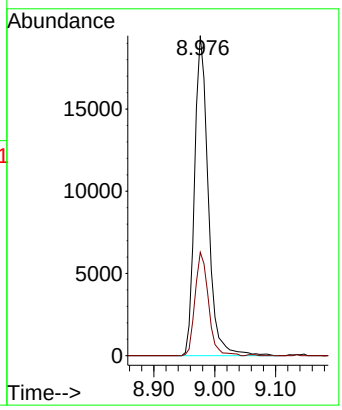




#53
t-1,3-Dichloropropene
Concen: 22.080 ug/l
RT: 8.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045436.D
Acq: 25 Mar 2025 13:35

Tgt Ion: 75 Resp: 3034

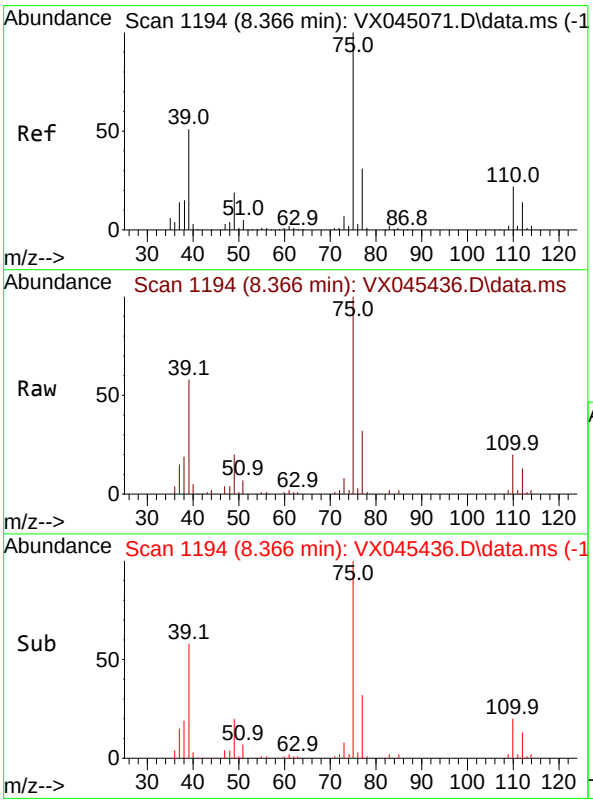
Ion	Ratio	Lower	Upper
75	100		
77	32.3	26.5	39.7



Instrument :
MSVOA_X
ClientSampleId :
VX0325WBS02

Manual Integrations
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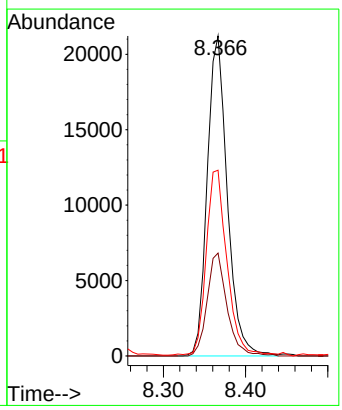
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

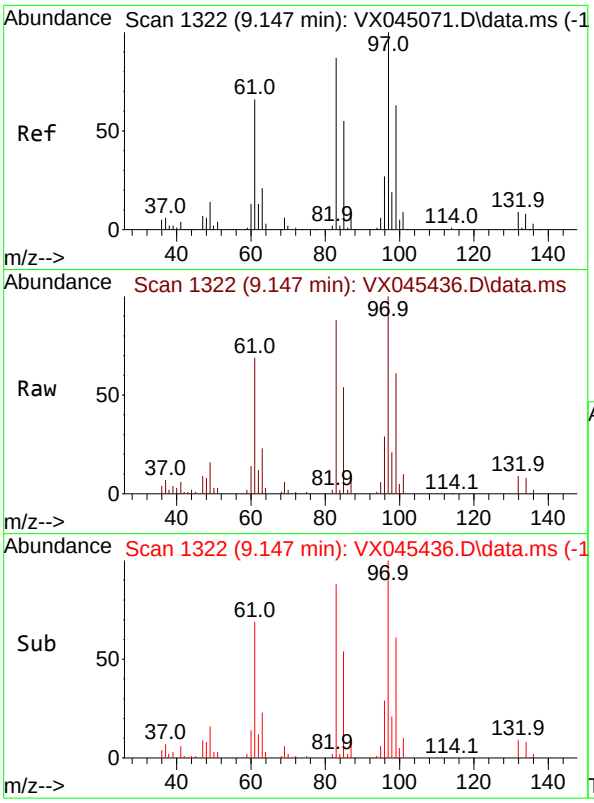


#54
cis-1,3-Dichloropropene
Concen: 22.410 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.000 min
Lab File: VX045436.D
Acq: 25 Mar 2025 13:35

Tgt Ion: 75 Resp: 35919

Ion	Ratio	Lower	Upper
75	100		
77	32.2	24.7	37.1
39	57.5	40.7	61.1

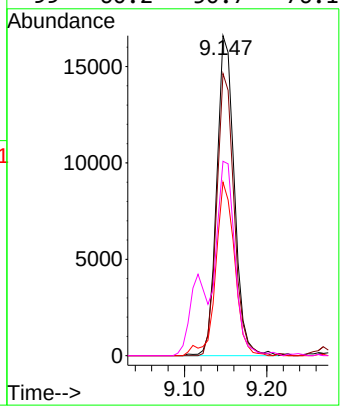




#55
1,1,2-Trichloroethane
Concen: 22.259 ug/l
RT: 9.147 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045436.D
Acq: 25 Mar 2025 13:35

Tgt Ion: 97 Resp: 2479

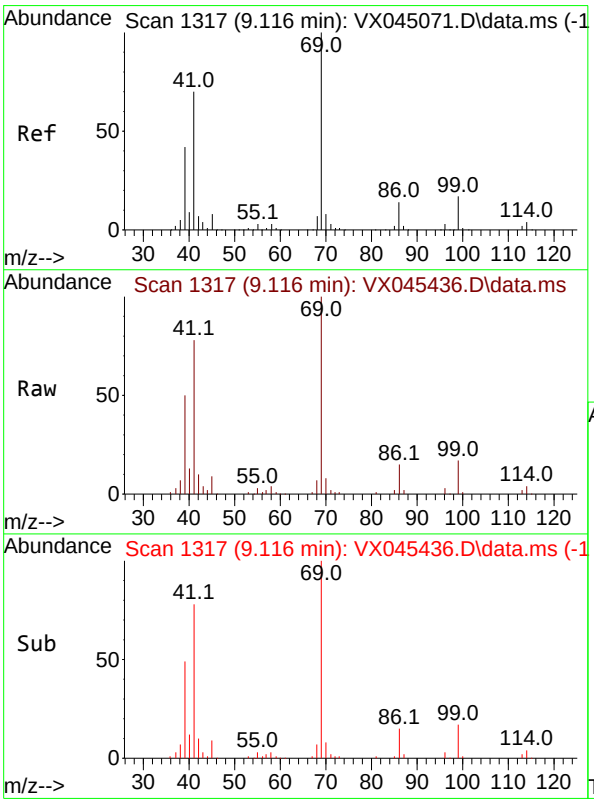
Ion	Ratio	Lower	Upper
97	100		
83	88.1	69.4	104.2
85	54.2	44.1	66.1
99	60.2	50.7	76.1



Instrument :
MSVOA_X
ClientSampleId :
VX0325WBS02

Manual Integrations APPROVED

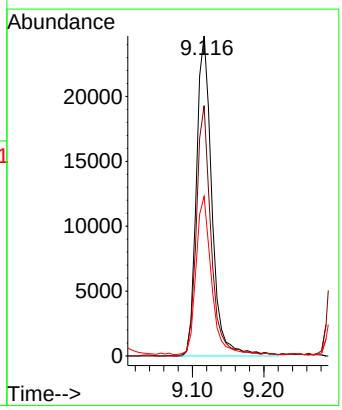
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

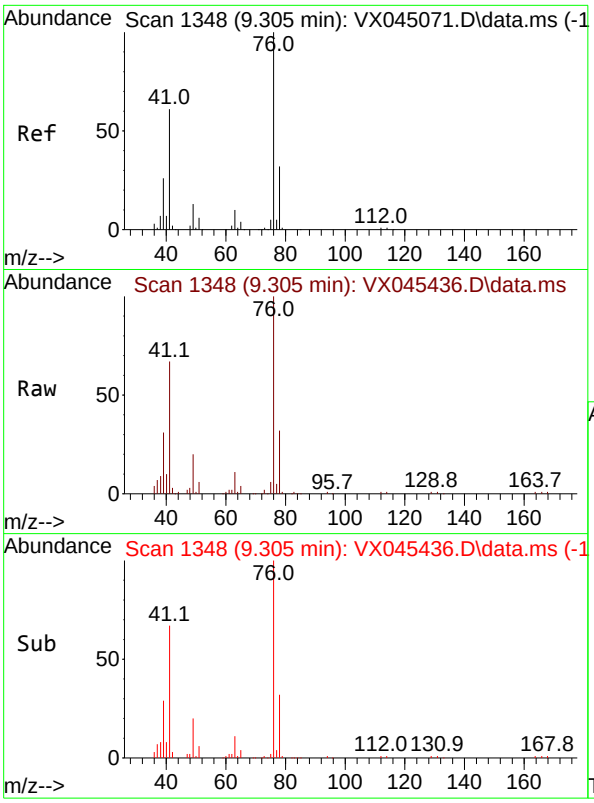


#56
Ethyl methacrylate
Concen: 21.880 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX045436.D
Acq: 25 Mar 2025 13:35

Tgt Ion: 69 Resp: 37053

Ion	Ratio	Lower	Upper
69	100		
41	75.3	57.0	85.4
39	49.1	34.2	51.4

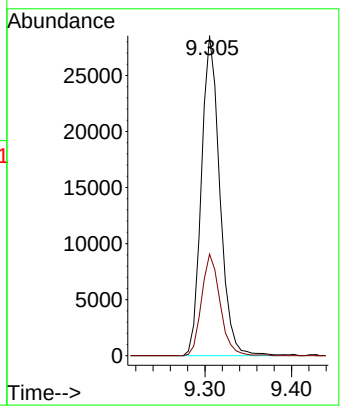




#57
1,3-Dichloropropane
Concen: 21.857 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045436.D
Acq: 25 Mar 2025 13:35

Tgt Ion: 76 Resp: 4213

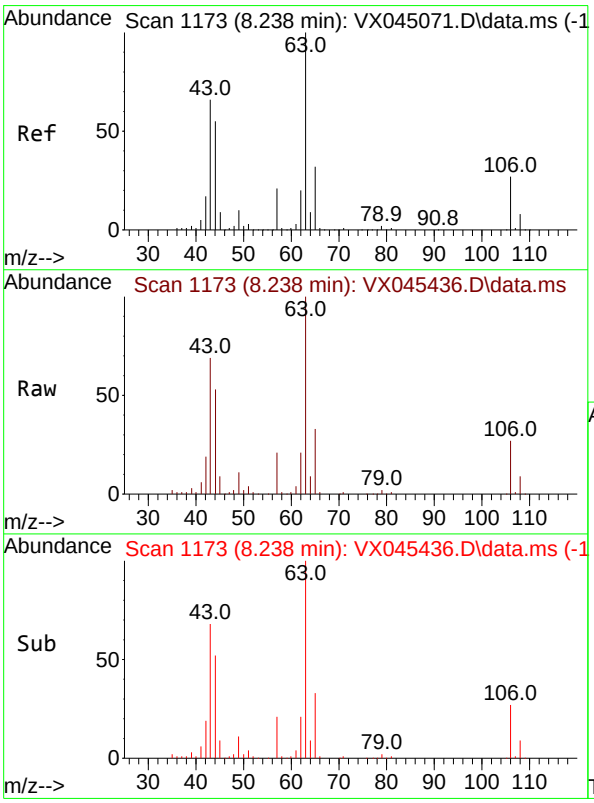
Ion	Ratio	Lower	Upper
76	100		
78	31.8	25.5	38.3



Instrument :
MSVOA_X
ClientSampleId :
VX0325WBS02

Manual Integrations
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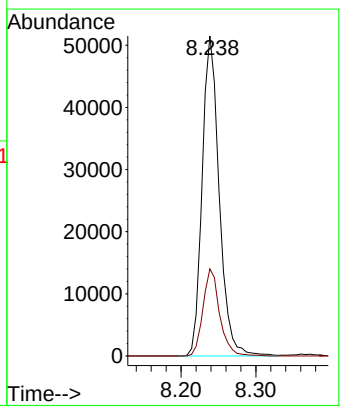
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

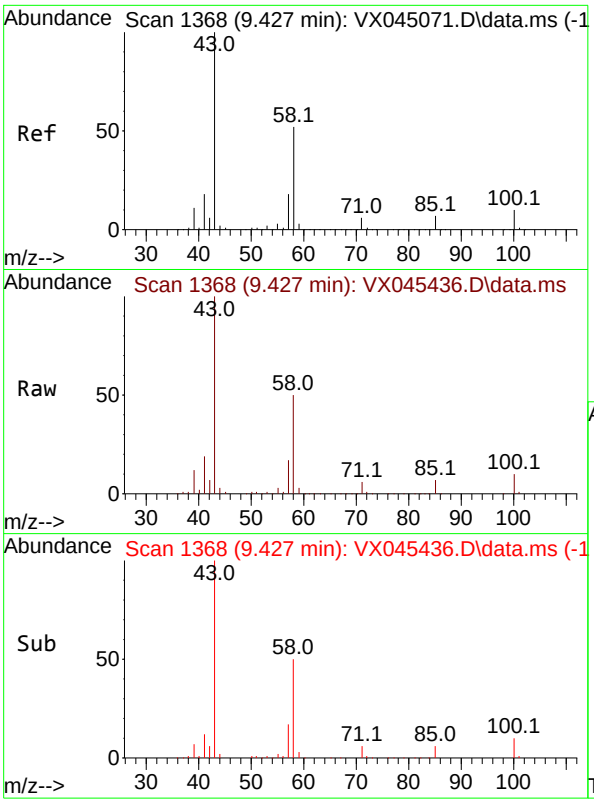


#58
2-Chloroethyl Vinyl ether
Concen: 98.707 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX045436.D
Acq: 25 Mar 2025 13:35

Tgt Ion: 63 Resp: 81540

Ion	Ratio	Lower	Upper
63	100		
106	26.6	21.5	32.3

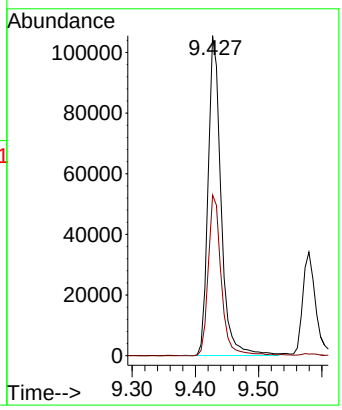




#59
2-Hexanone
Concen: 111.183 ug/l
RT: 9.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045436.D
Acq: 25 Mar 2025 13:35

Tgt Ion: 43 Resp: 15053

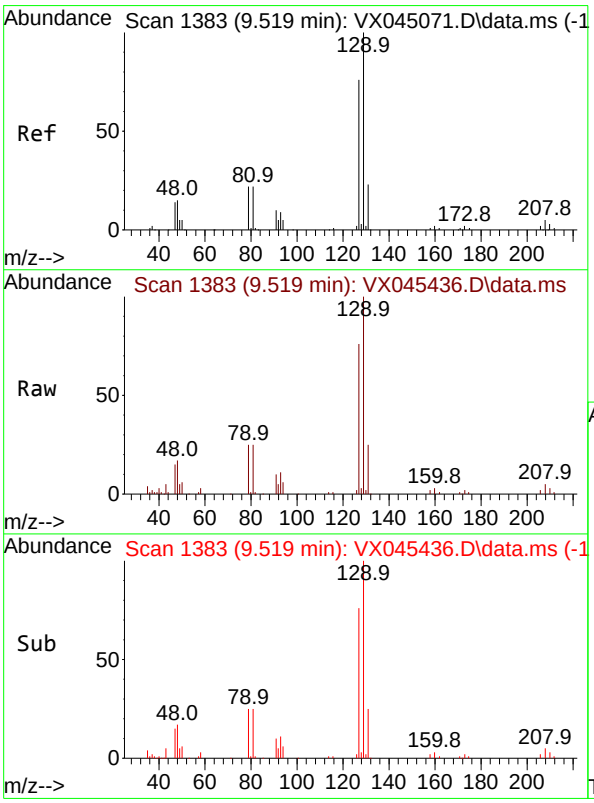
Ion	Ratio	Lower	Upper
43	100		
58	50.9	25.9	77.6



Instrument :
MSVOA_X
ClientSampleId :
VX0325WBS02

Manual Integrations
APPROVED

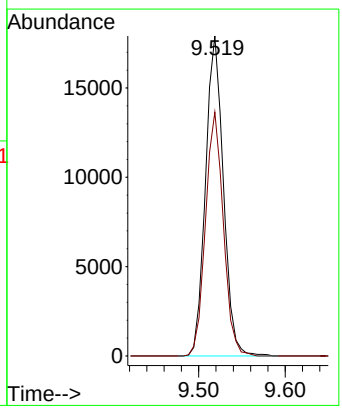
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

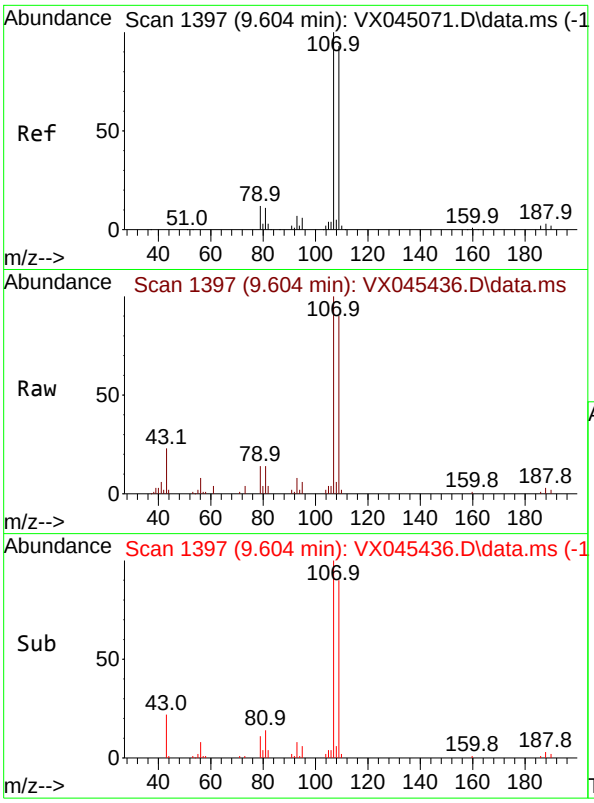


#60
Dibromochloromethane
Concen: 22.017 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX045436.D
Acq: 25 Mar 2025 13:35

Tgt Ion:129 Resp: 25647

Ion	Ratio	Lower	Upper
129	100		
127	76.3	38.5	115.5

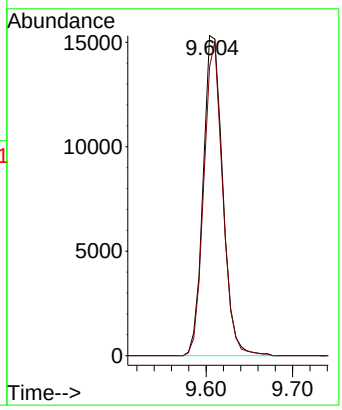




#61
1,2-Dibromoethane
Concen: 21.706 ug/l
RT: 9.604 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045436.D
Acq: 25 Mar 2025 13:35

Tgt Ion:107 Resp: 2414

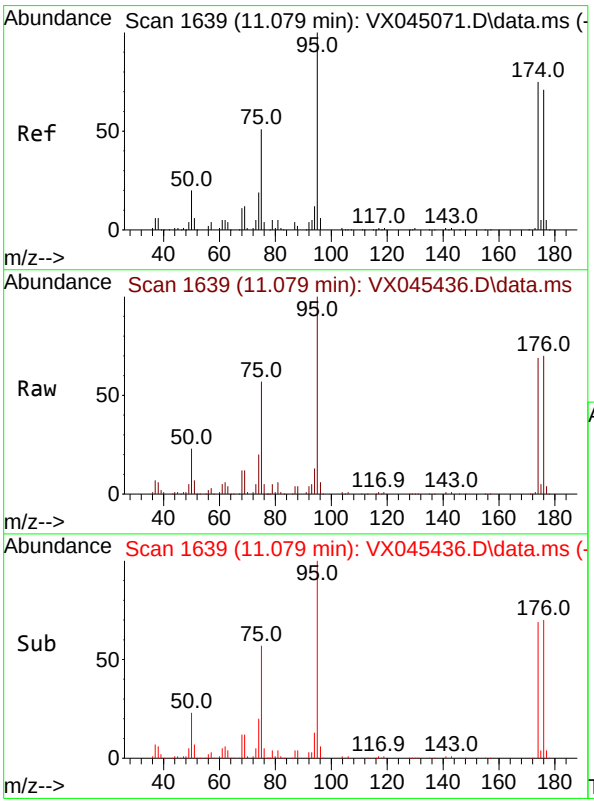
Ion	Ratio	Lower	Upper
107	100		
109	94.1	76.1	114.1



Instrument :
MSVOA_X
ClientSampleId :
VX0325WBS02

Manual Integrations
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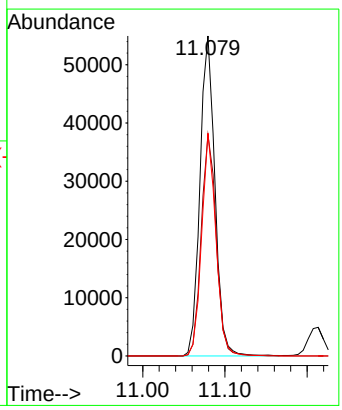
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

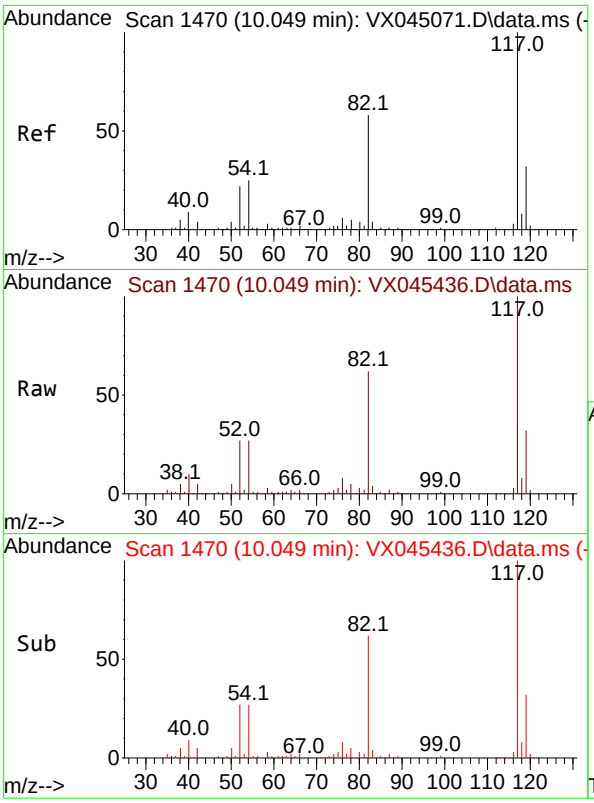


#62
4-Bromofluorobenzene
Concen: 54.311 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX045436.D
Acq: 25 Mar 2025 13:35

Tgt Ion: 95 Resp: 69492

Ion	Ratio	Lower	Upper
95	100		
174	69.4	0.0	148.2
176	66.3	0.0	141.4

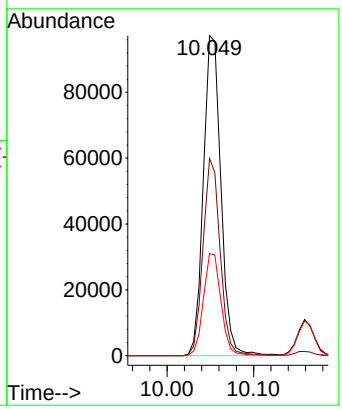




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045436.D
Acq: 25 Mar 2025 13:35

Tgt Ion:117 Resp: 13709

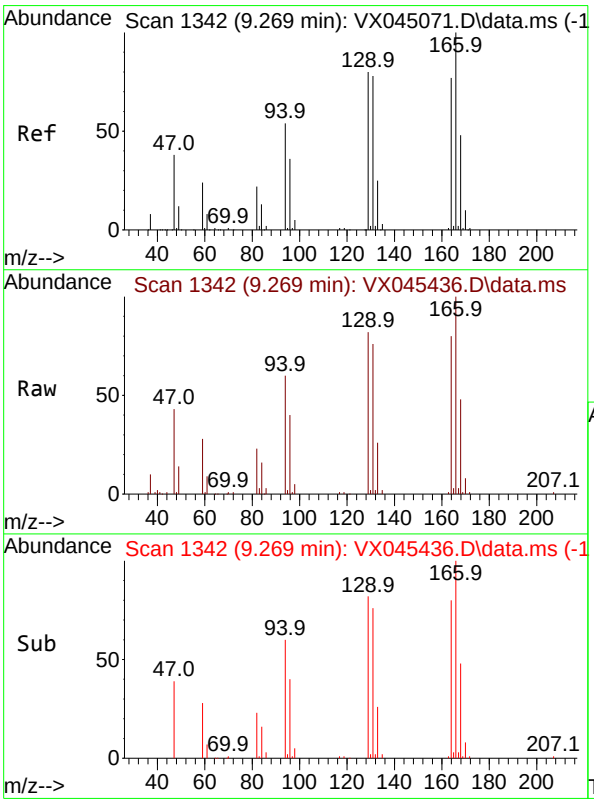
Ion	Ratio	Lower	Upper
117	100		
82	61.6	46.3	69.5
119	31.9	25.7	38.5



Instrument :
MSVOA_X
ClientSampleId :
VX0325WBS02

Manual Integrations
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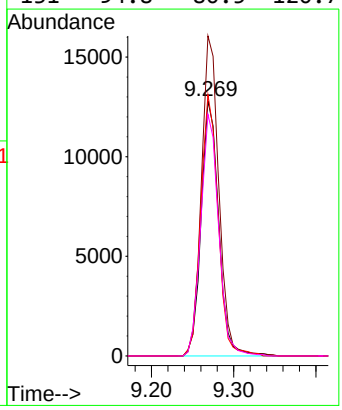
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

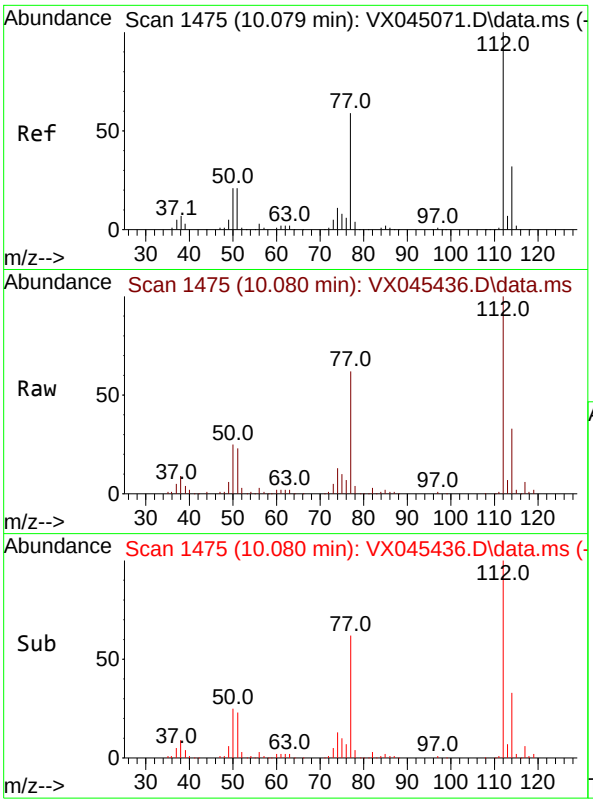


#64
Tetrachloroethene
Concen: 21.606 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX045436.D
Acq: 25 Mar 2025 13:35

Tgt Ion:164 Resp: 18971

Ion	Ratio	Lower	Upper
164	100		
166	125.6	103.6	155.4
129	102.4	82.7	124.1
131	94.8	80.5	120.7

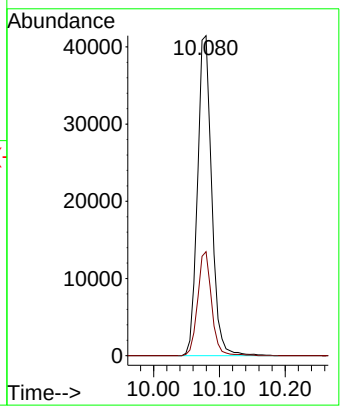




#65
Chlorobenzene
Concen: 21.369 ug/l
RT: 10.080 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045436.D
Acq: 25 Mar 2025 13:35

Tgt Ion:112 Resp: 6199

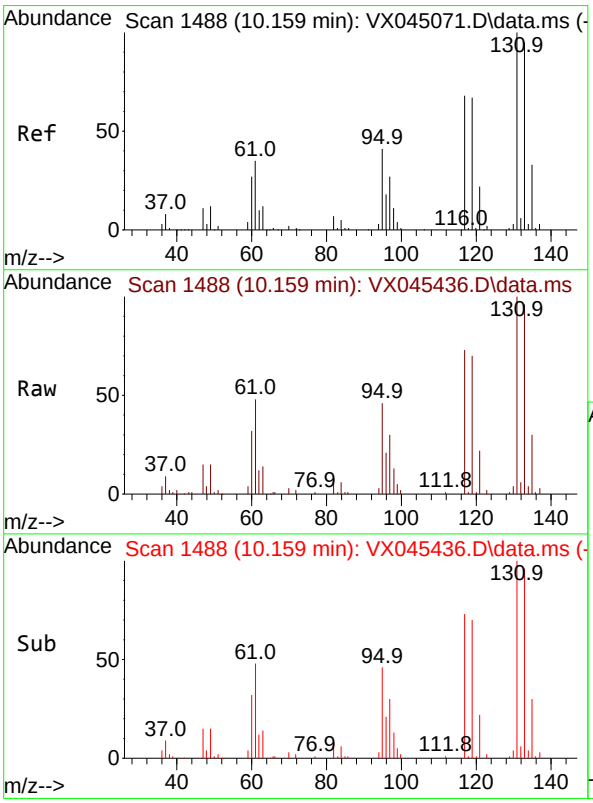
Ion	Ratio	Lower	Upper
112	100		
114	32.5	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
VX0325WBS02

Manual Integrations
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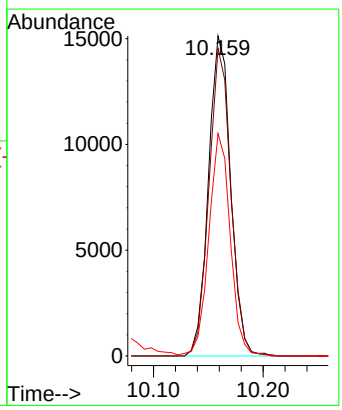
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

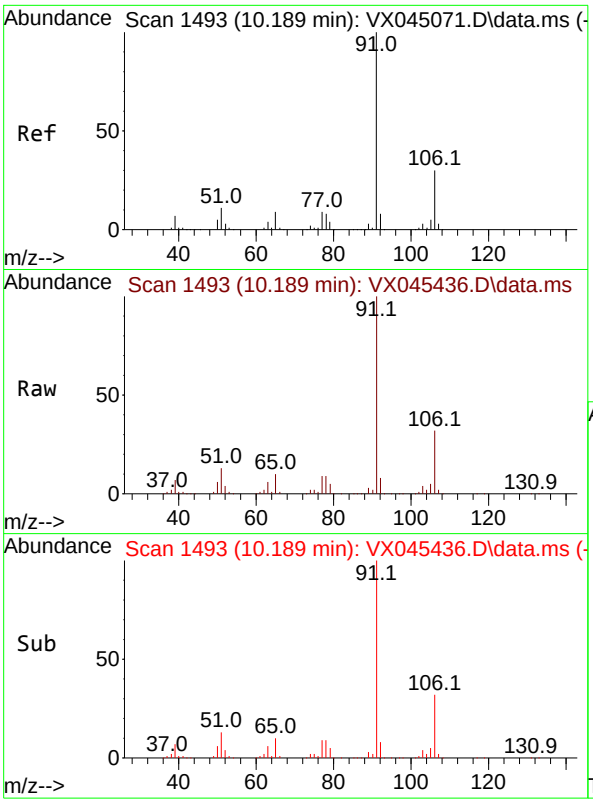


#66
1,1,1,2-Tetrachloroethane
Concen: 22.016 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX045436.D
Acq: 25 Mar 2025 13:35

Tgt Ion:131 Resp: 21269

Ion	Ratio	Lower	Upper
131	100		
133	94.8	48.6	145.9
119	66.9	33.9	101.7





#67
Ethyl Benzene
Concen: 21.631 ug/l
RT: 10.189 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045436.D
Acq: 25 Mar 2025 13:35

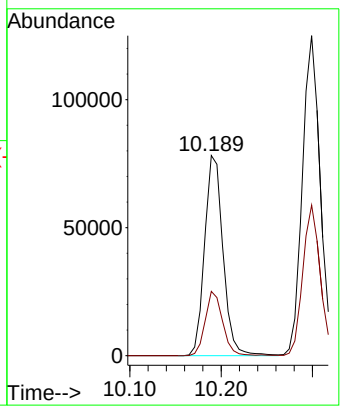
Tgt Ion: 91 Resp: 10933

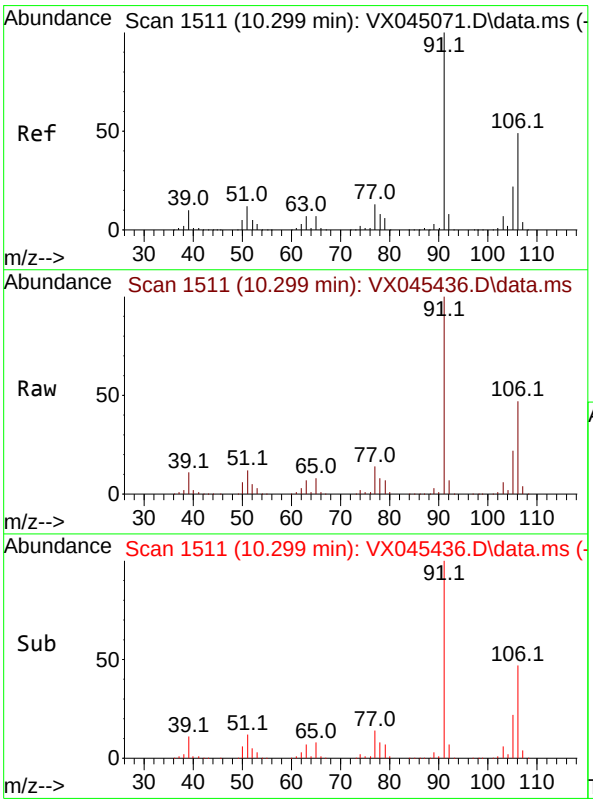
Ion	Ratio	Lower	Upper
91	100		
106	32.1	23.9	35.9

Instrument :
MSVOA_X
ClientSampleId :
VX0325WBS02

Manual Integrations APPROVED

Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

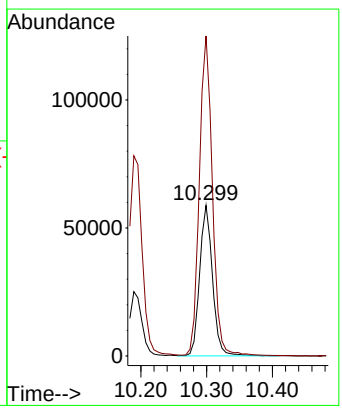


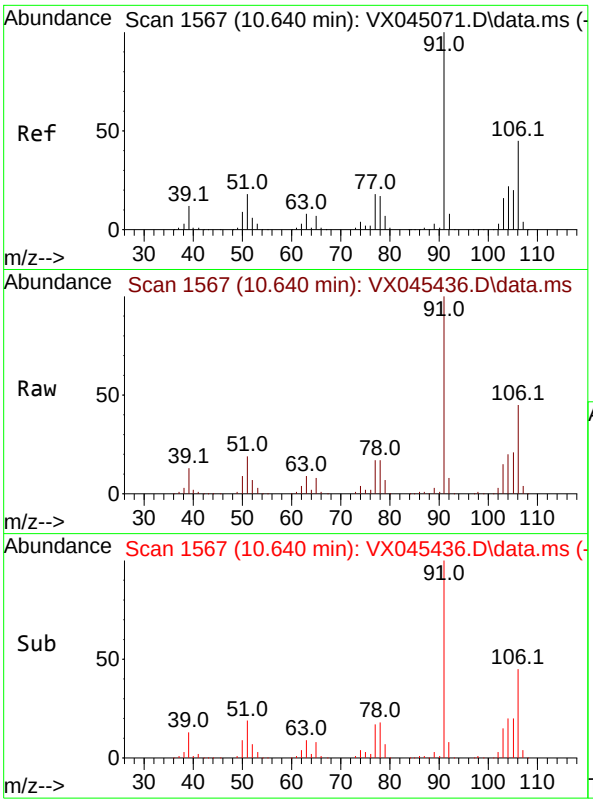


#68
m/p-Xylenes
Concen: 43.099 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX045436.D
Acq: 25 Mar 2025 13:35

Tgt Ion:106 Resp: 79751

Ion	Ratio	Lower	Upper
106	100		
91	216.9	165.4	248.0

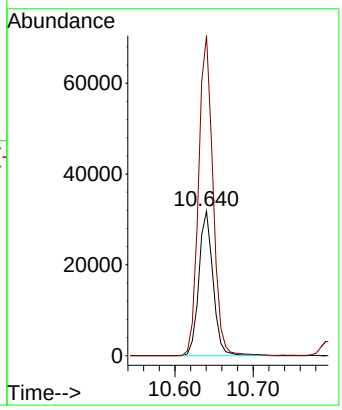




#69
o-Xylene
Concen: 21.391 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045436.D
Acq: 25 Mar 2025 13:35

Tgt Ion:106 Resp: 3992

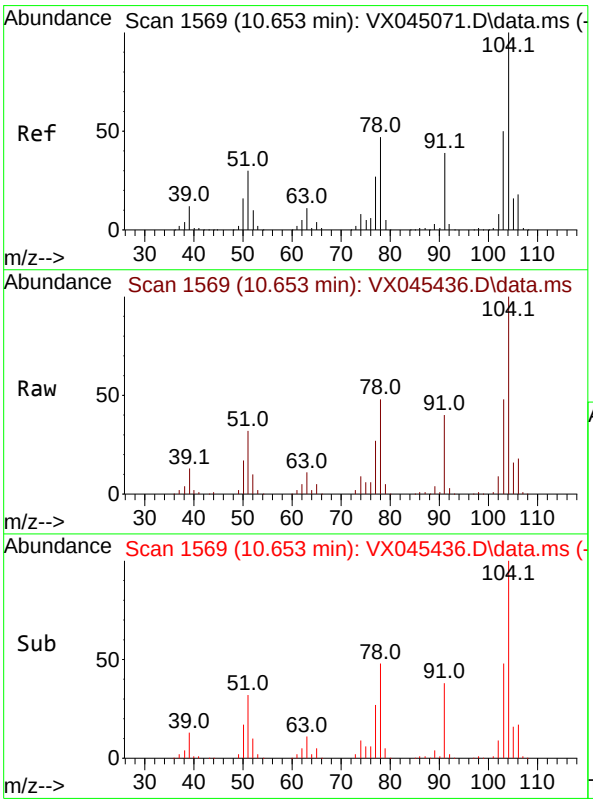
Ion	Ratio	Lower	Upper
106	100		
91	226.1	109.9	329.6



Instrument :
MSVOA_X
ClientSampleId :
VX0325WBS02

Manual Integrations
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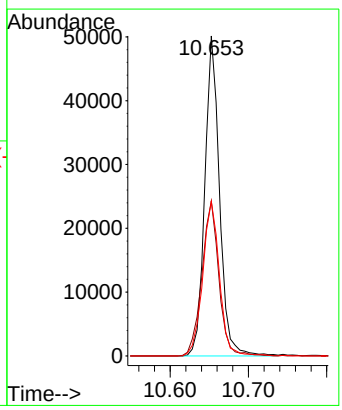
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

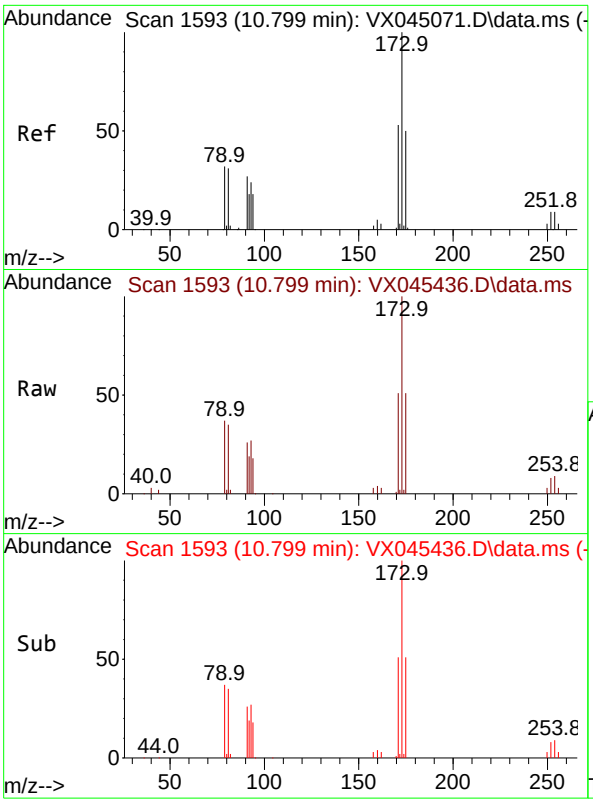


#70
Styrene
Concen: 21.659 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX045436.D
Acq: 25 Mar 2025 13:35

Tgt Ion:104 Resp: 65405

Ion	Ratio	Lower	Upper
104	100		
78	56.0	42.2	63.4
103	54.9	43.8	65.8

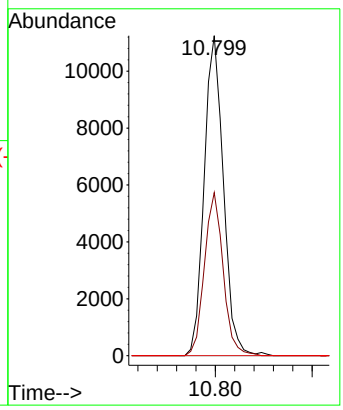




#71
Bromoform
Concen: 21.374 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045436.D
Acq: 25 Mar 2025 13:35

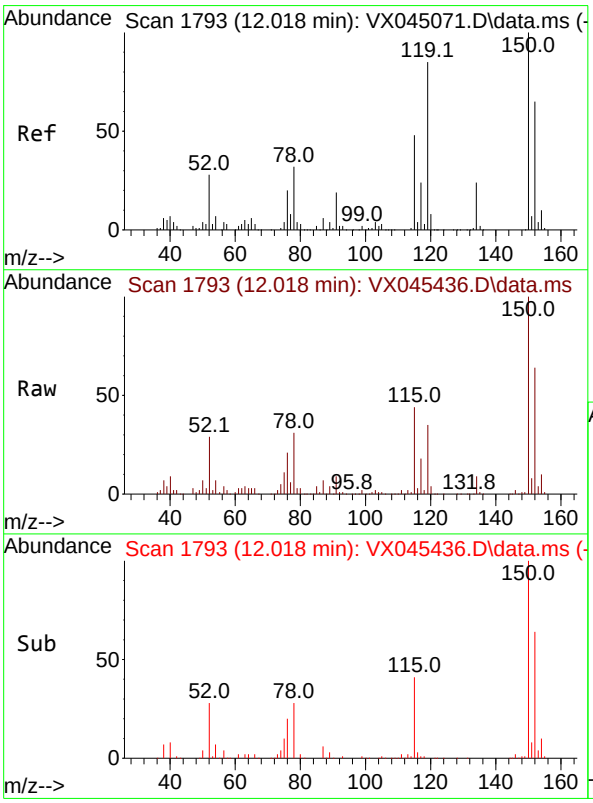
Tgt Ion:173 Resp: 1557

Ion	Ratio	Lower	Upper
173	100		
175	49.7	24.6	73.6
254	0.0	0.0	0.0



Instrument :
MSVOA_X
ClientSampleId :
VX0325WBS02

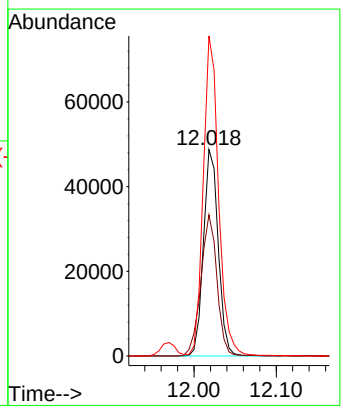
Manual Integrations APPROVED
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

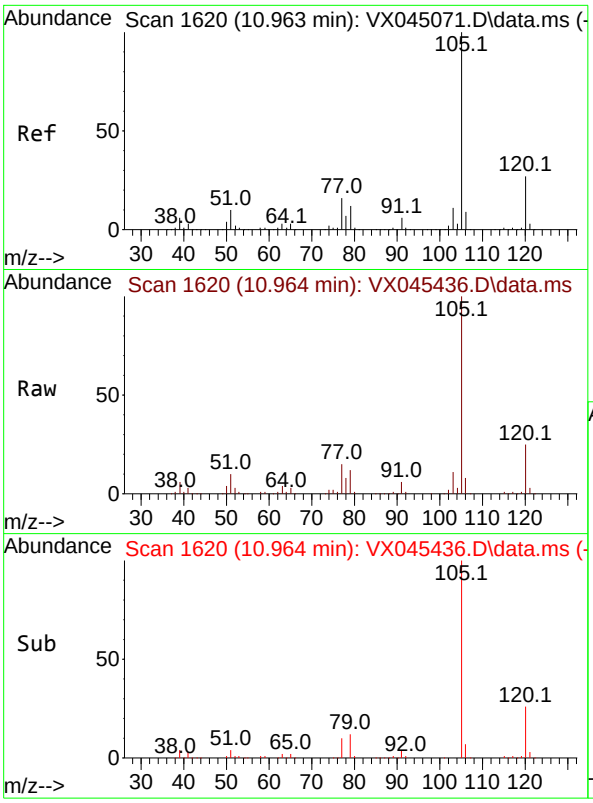


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX045436.D
Acq: 25 Mar 2025 13:35

Tgt Ion:152 Resp: 60910

Ion	Ratio	Lower	Upper
152	100		
115	74.5	44.2	132.6
150	161.0	0.0	349.0

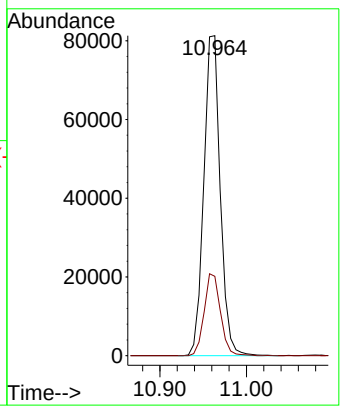




#73
Isopropylbenzene
Concen: 22.544 ug/l
RT: 10.964 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045436.D
Acq: 25 Mar 2025 13:35

Tgt Ion:105 Resp: 10717

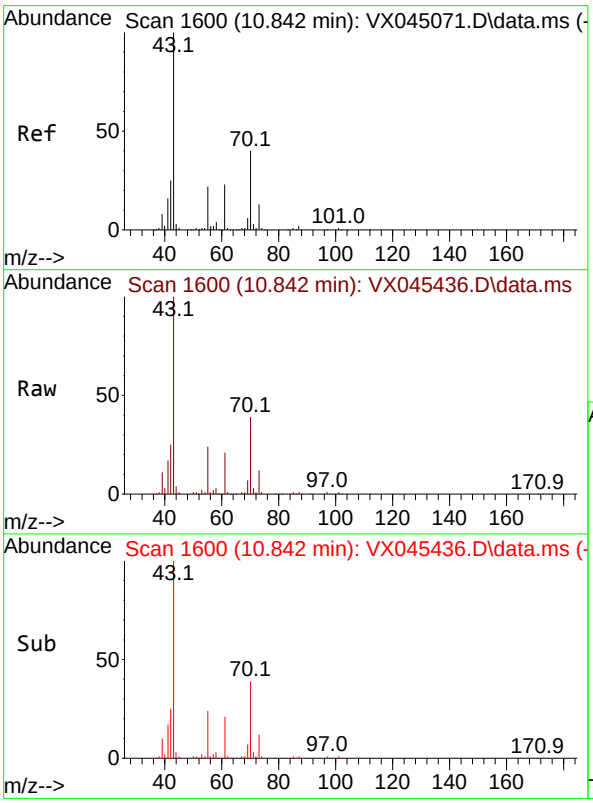
Ion	Ratio	Lower	Upper
105	100		
120	25.4	13.2	39.5



Instrument :
MSVOA_X
ClientSampleId :
VX0325WBS02

Manual Integrations
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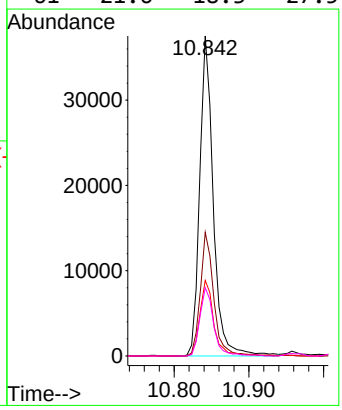
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

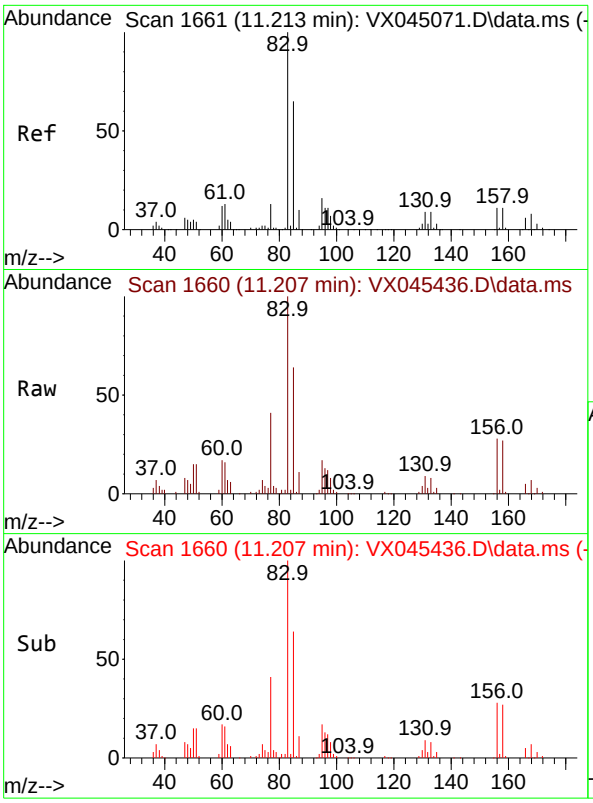


#74
N-amyl acetate
Concen: 21.246 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX045436.D
Acq: 25 Mar 2025 13:35

Tgt Ion: 43 Resp: 47397

Ion	Ratio	Lower	Upper
43	100		
70	38.2	31.8	47.6
55	24.4	18.3	27.5
61	21.6	18.3	27.5

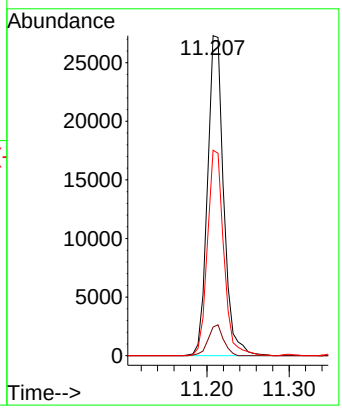




#75
1,1,2,2-Tetrachloroethane
Concen: 21.355 ug/l
RT: 11.207 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045436.D
Acq: 25 Mar 2025 13:35

Tgt Ion: 83 Resp: 3725

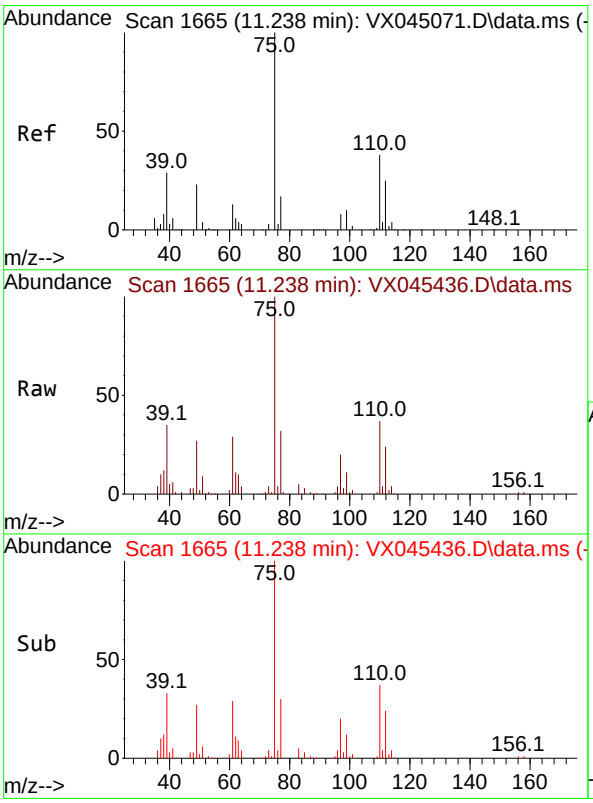
Ion	Ratio	Lower	Upper
83	100		
131	9.1	4.5	13.4
85	64.7	31.7	95.1



Instrument :
MSVOA_X
ClientSampleId :
VX0325WBS02

Manual Integrations
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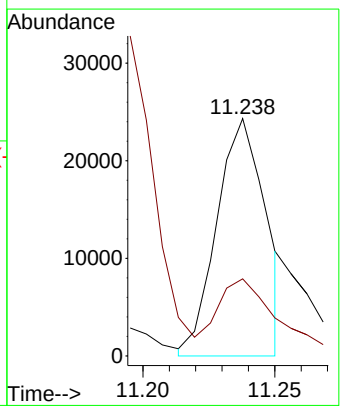
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

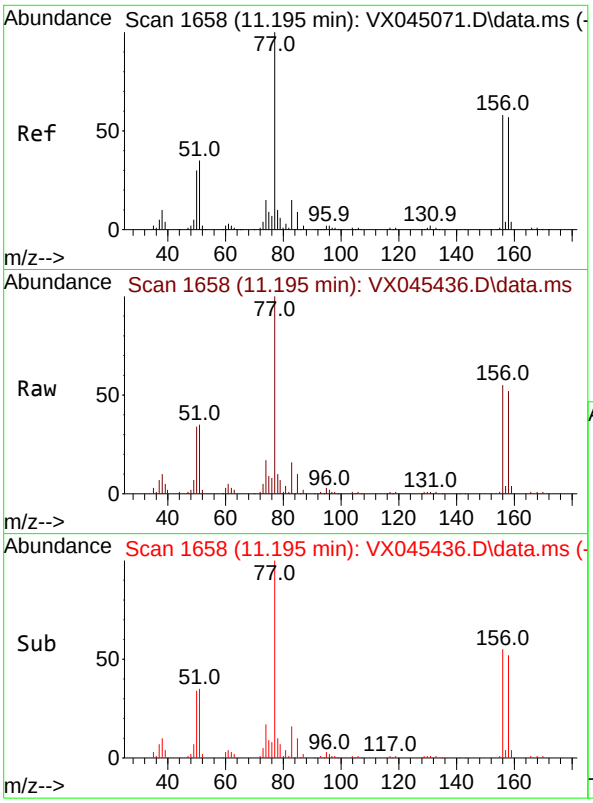


#76
1,2,3-Trichloropropane
Concen: 22.080 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX045436.D
Acq: 25 Mar 2025 13:35

Tgt Ion: 75 Resp: 31303

Ion	Ratio	Lower	Upper
75	100		
77	40.3	20.7	62.1

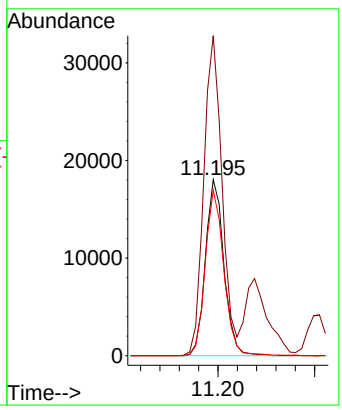




#77
Bromobenzene
Concen: 21.388 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045436.D
Acq: 25 Mar 2025 13:35

Tgt Ion:156 Resp: 2399

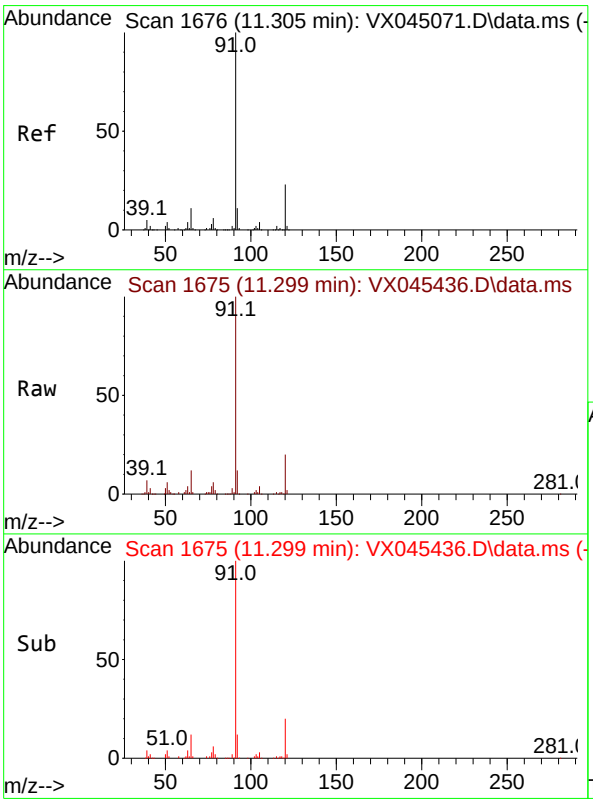
Ion	Ratio	Lower	Upper
156	100		
77	179.2	85.8	257.4
158	94.5	48.4	145.2



Instrument :
MSVOA_X
ClientSampleId :
VX0325WBS02

Manual Integrations
APPROVED

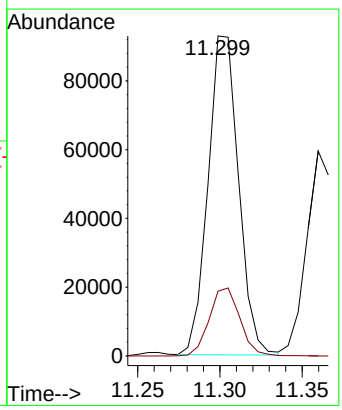
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

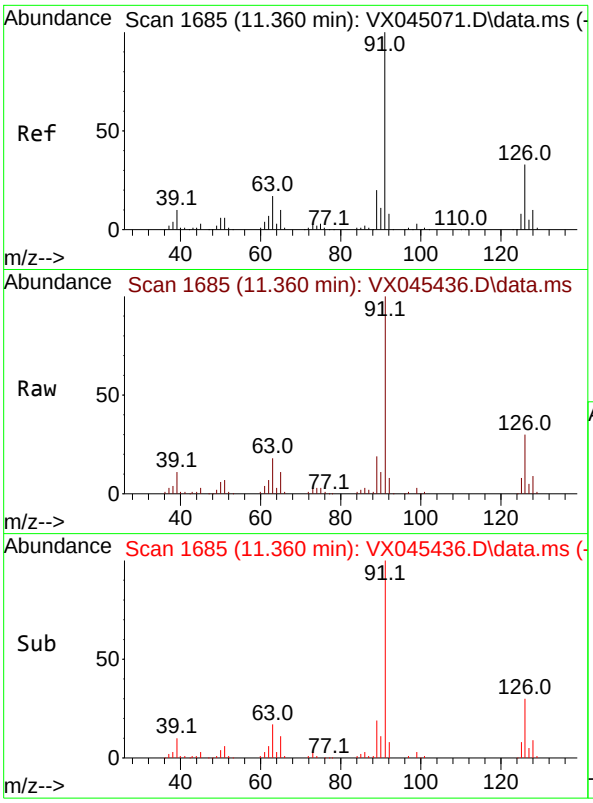


#78
n-propylbenzene
Concen: 22.372 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. -0.006 min
Lab File: VX045436.D
Acq: 25 Mar 2025 13:35

Tgt Ion: 91 Resp: 120148

Ion	Ratio	Lower	Upper
91	100		
120	21.4	11.2	33.6

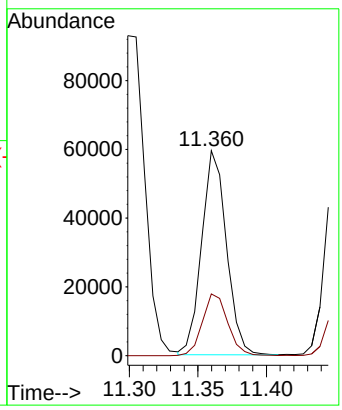




#79
2-Chlorotoluene
Concen: 21.861 ug/l
RT: 11.360 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045436.D
Acq: 25 Mar 2025 13:35

Tgt Ion: 91 Resp: 7477

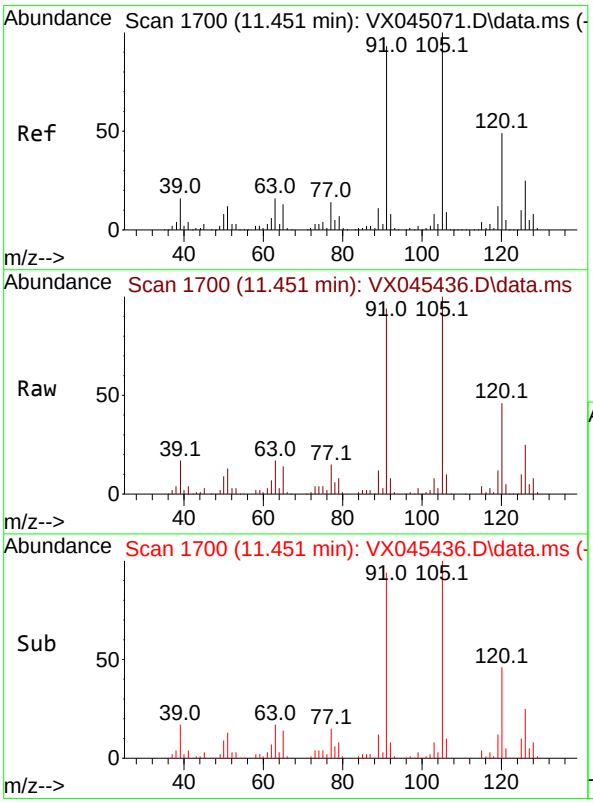
Ion	Ratio	Lower	Upper
91	100		
126	31.1	16.4	49.4



Instrument :
MSVOA_X
ClientSampleId :
VX0325WBS02

Manual Integrations
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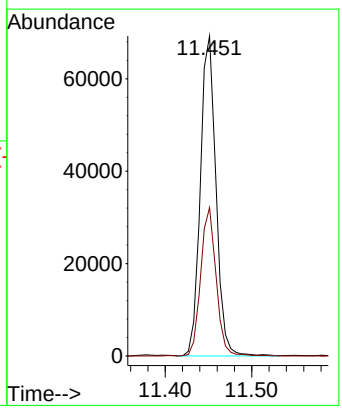
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

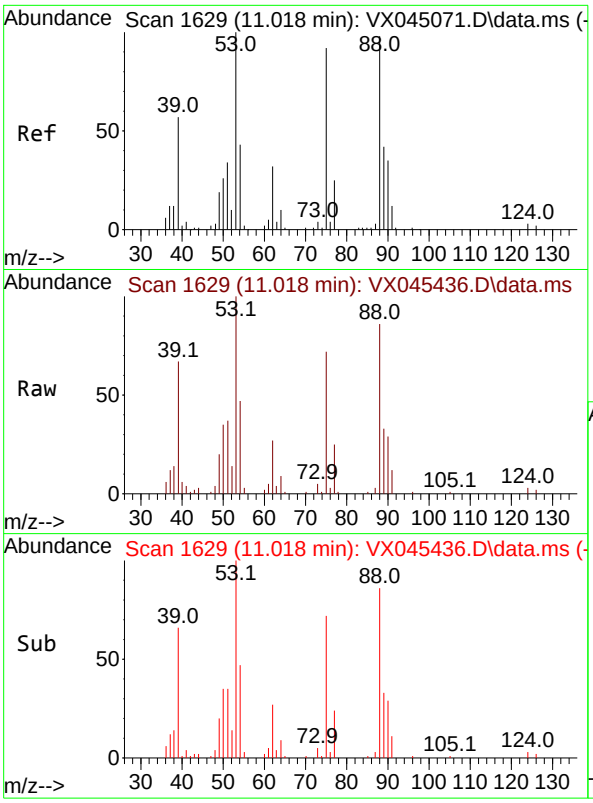


#80
1,3,5-Trimethylbenzene
Concen: 22.591 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX045436.D
Acq: 25 Mar 2025 13:35

Tgt Ion:105 Resp: 86843

Ion	Ratio	Lower	Upper
105	100		
120	45.9	24.1	72.2





#81
trans-1,4-Dichloro-2-butene
Concen: 20.262 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045436.D
Acq: 25 Mar 2025 13:35

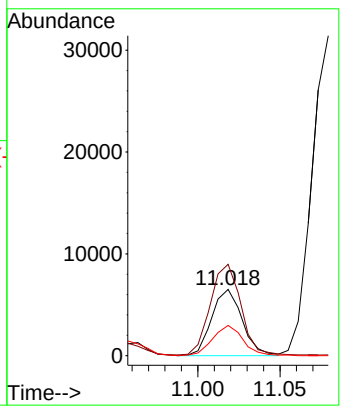
Tgt Ion: 75 Resp: 839

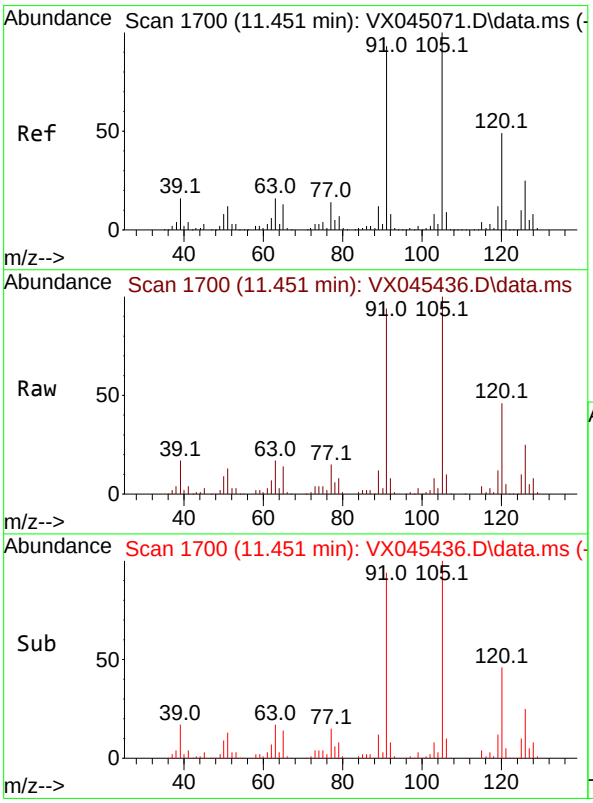
Ion	Ratio	Lower	Upper
75	100		
53	140.8	88.5	132.7
89	45.4	36.2	54.4

Instrument :
MSVOA_X
ClientSampleId :
VX0325WBS02

Manual Integrations
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Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

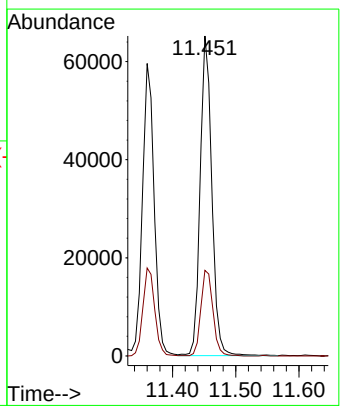


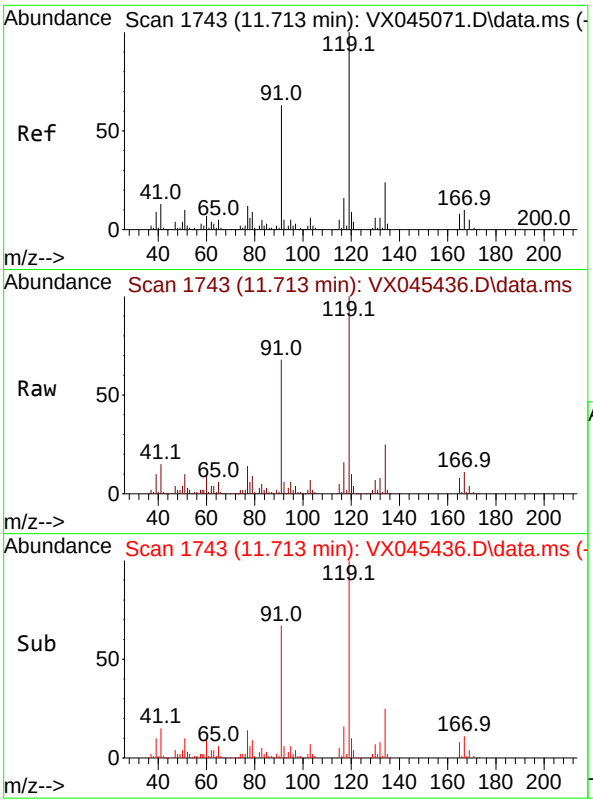


#82
4-Chlorotoluene
Concen: 22.439 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX045436.D
Acq: 25 Mar 2025 13:35

Tgt Ion: 91 Resp: 83643

Ion	Ratio	Lower	Upper
91	100		
126	27.7	14.1	42.4

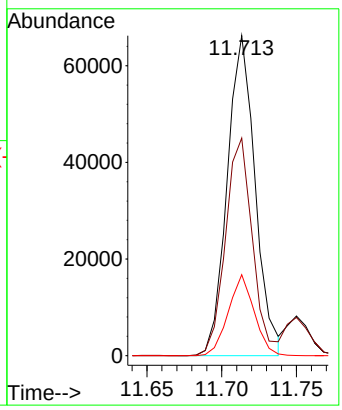




#83
tert-Butylbenzene
Concen: 21.802 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045436.D
Acq: 25 Mar 2025 13:35

Tgt Ion:119 Resp: 8611

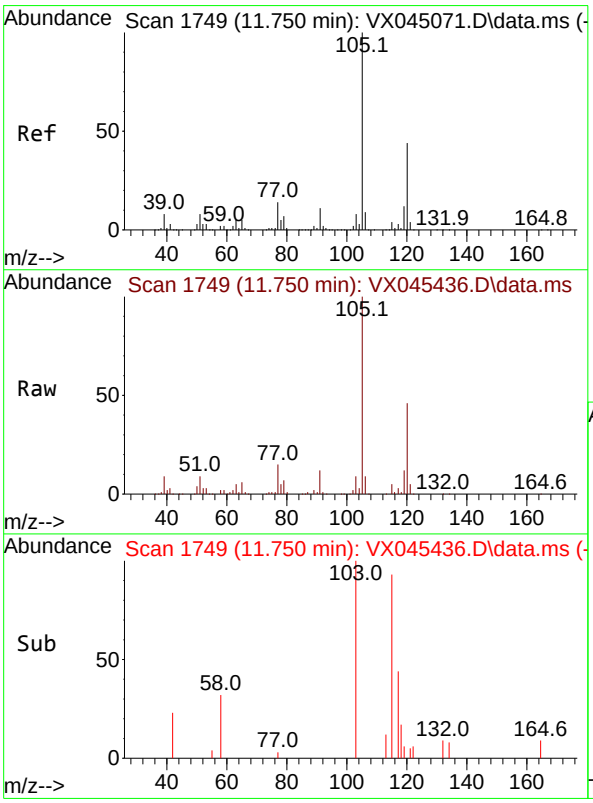
Ion	Ratio	Lower	Upper
119	100		
91	66.0	30.7	92.1
134	23.5	11.7	35.0



Instrument :
MSVOA_X
ClientSampleId :
VX0325WBS02

Manual Integrations
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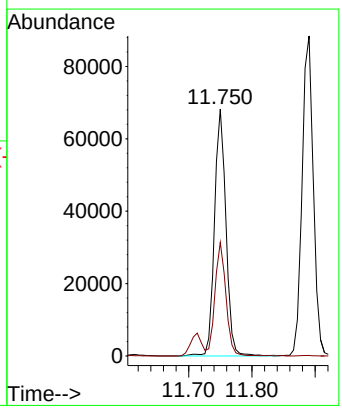
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

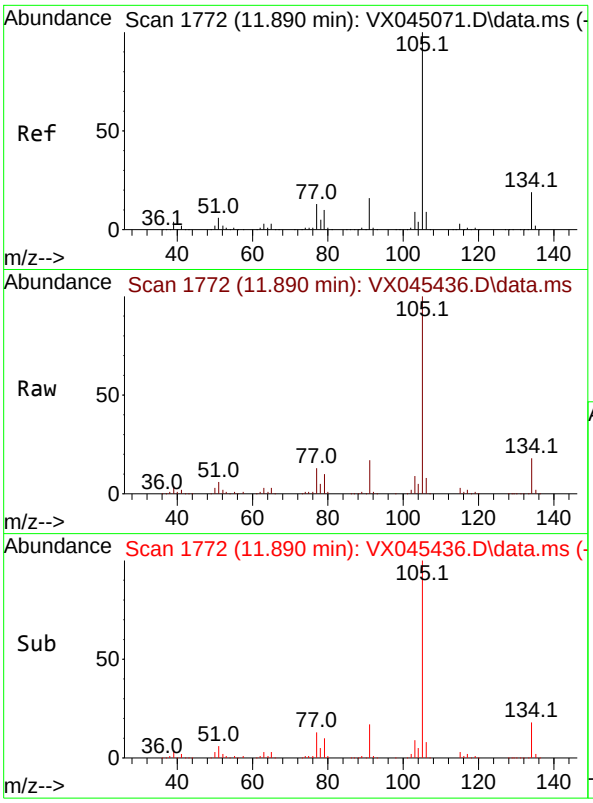


#84
1,2,4-Trimethylbenzene
Concen: 22.182 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX045436.D
Acq: 25 Mar 2025 13:35

Tgt Ion:105 Resp: 85798

Ion	Ratio	Lower	Upper
105	100		
120	44.1	22.1	66.1

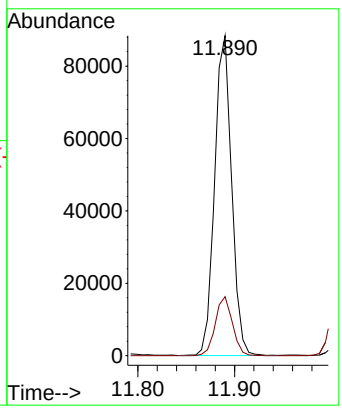




#85
sec-Butylbenzene
Concen: 22.760 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045436.D
Acq: 25 Mar 2025 13:35

Tgt Ion:105 Resp: 10768

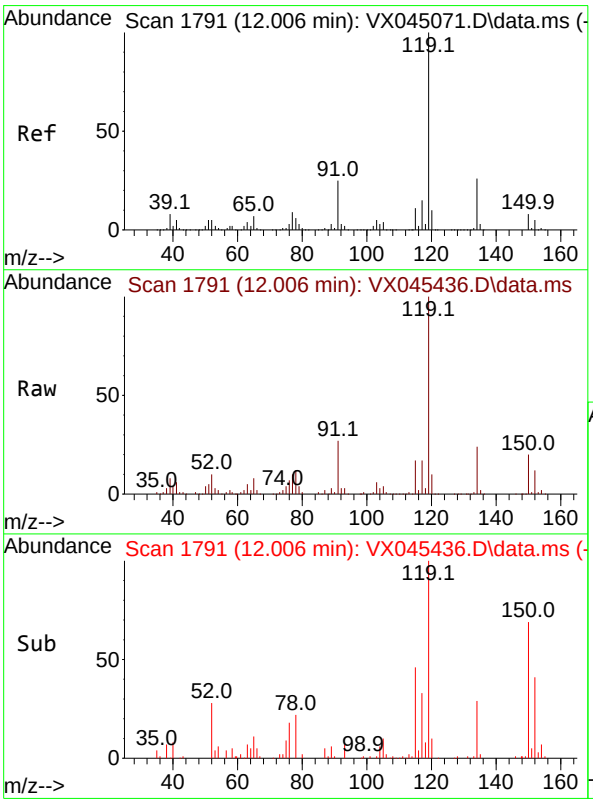
Ion	Ratio	Lower	Upper
105	100		
134	18.6	9.8	29.4



Instrument :
MSVOA_X
ClientSampleId :
VX0325WBS02

Manual Integrations
APPROVED

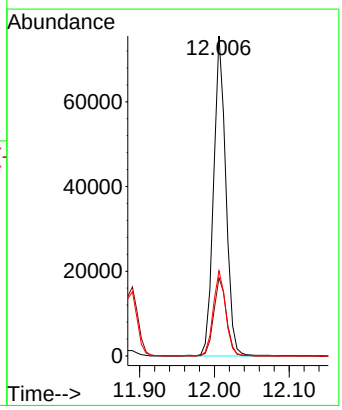
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

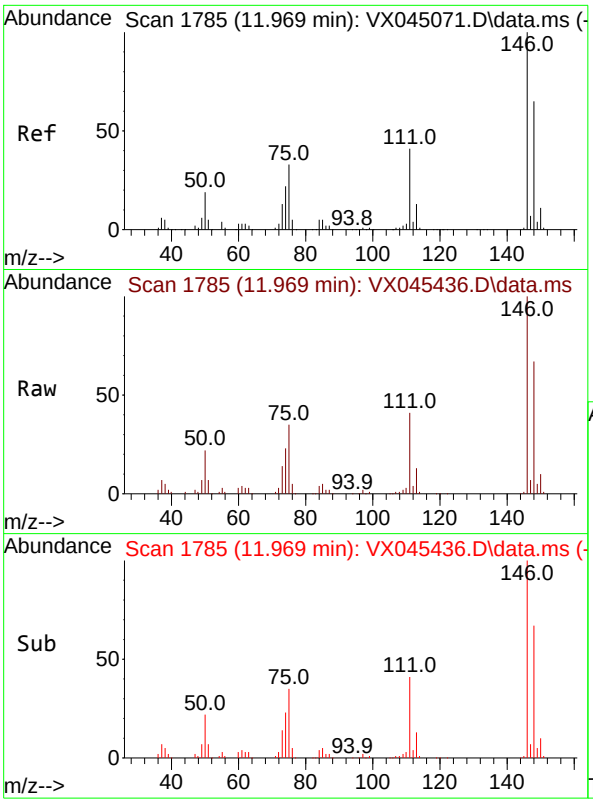


#86
p-Isopropyltoluene
Concen: 22.531 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX045436.D
Acq: 25 Mar 2025 13:35

Tgt Ion:119 Resp: 86148

Ion	Ratio	Lower	Upper
119	100		
134	25.2	12.9	38.6
91	27.1	12.7	38.0

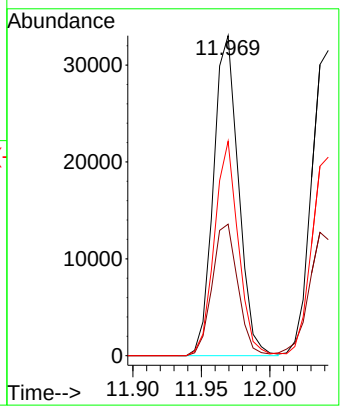




#87
1,3-Dichlorobenzene
Concen: 20.976 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045436.D
Acq: 25 Mar 2025 13:35

Tgt Ion:146 Resp: 4197

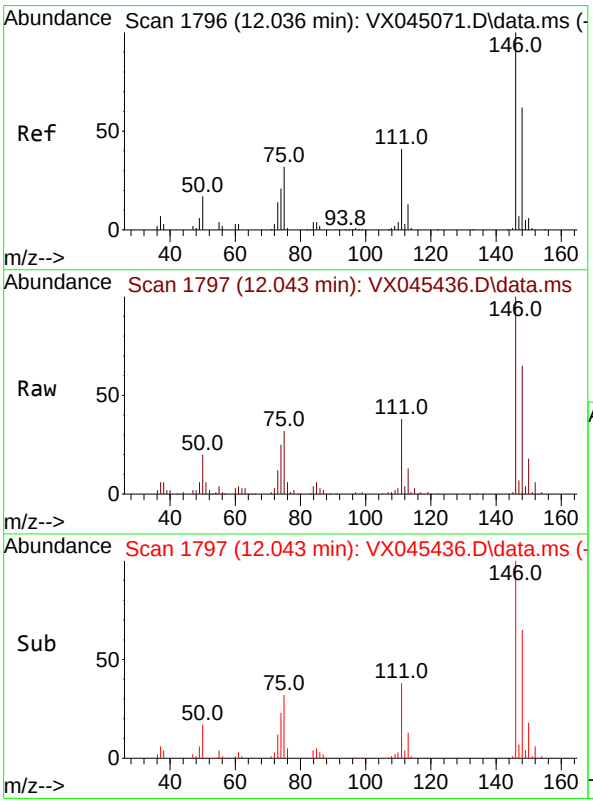
Ion	Ratio	Lower	Upper
146	100		
111	42.2	21.1	63.4
148	64.3	31.9	95.7



Instrument :
MSVOA_X
ClientSampleId :
VX0325WBS02

Manual Integrations APPROVED

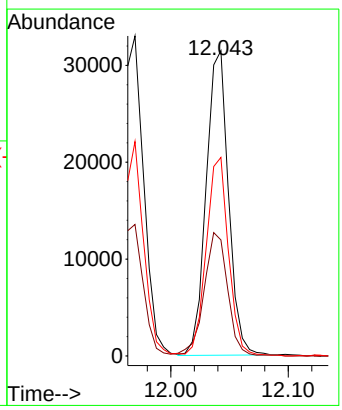
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

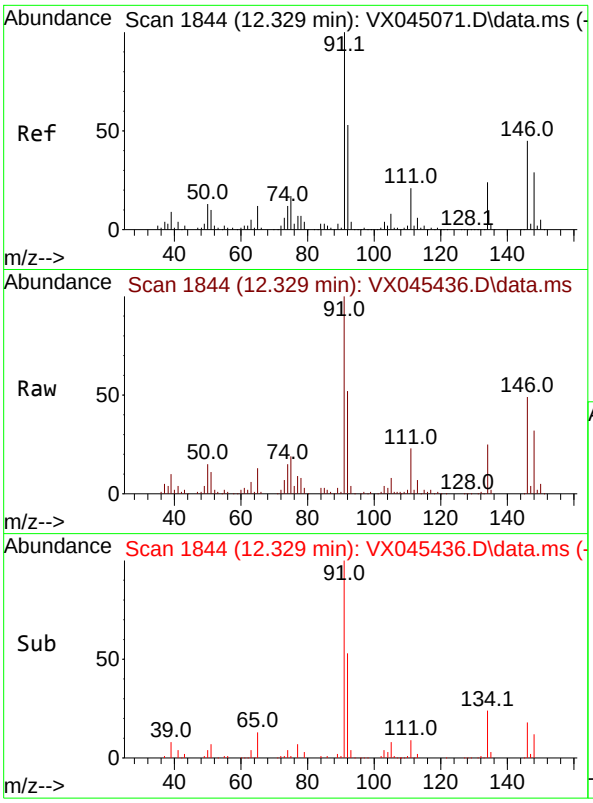


#88
1,4-Dichlorobenzene
Concen: 20.480 ug/l
RT: 12.043 min Scan# 1797
Delta R.T. 0.006 min
Lab File: VX045436.D
Acq: 25 Mar 2025 13:35

Tgt Ion:146 Resp: 41462

Ion	Ratio	Lower	Upper
146	100		
111	43.2	20.2	60.5
148	65.2	31.9	95.9





#89
n-Butylbenzene
Concen: 22.079 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045436.D
Acq: 25 Mar 2025 13:35

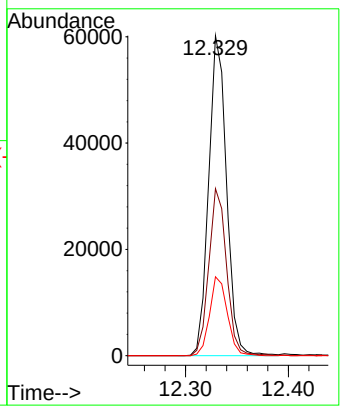
Tgt Ion: 91 Resp: 7270

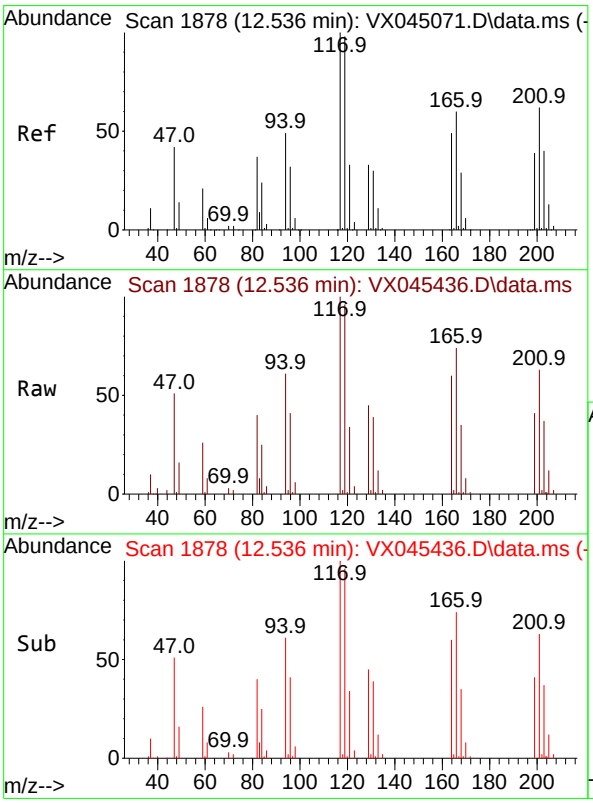
Ion	Ratio	Lower	Upper
91	100		
92	52.1	26.7	80.0
134	24.4	12.2	36.6

Instrument :
MSVOA_X
ClientSampleId :
VX0325WBS02

Manual Integrations
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Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

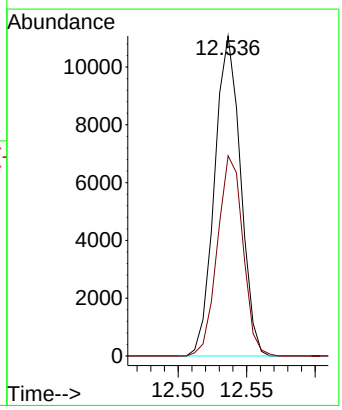


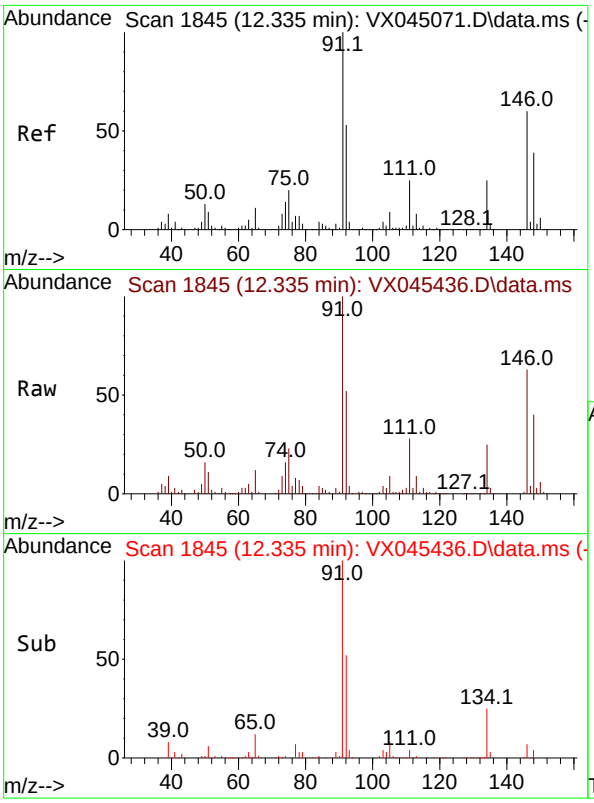


#90
Hexachloroethane
Concen: 21.109 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX045436.D
Acq: 25 Mar 2025 13:35

Tgt Ion:117 Resp: 14599

Ion	Ratio	Lower	Upper
117	100		
201	61.6	31.9	95.9

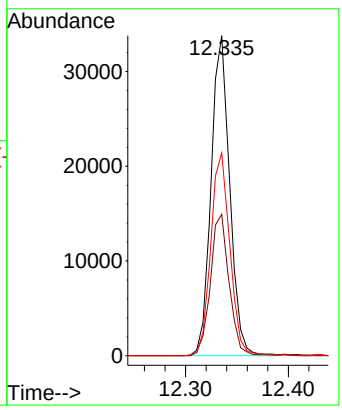




#91
1,2-Dichlorobenzene
Concen: 21.142 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045436.D
Acq: 25 Mar 2025 13:35

Tgt Ion:146 Resp: 4244

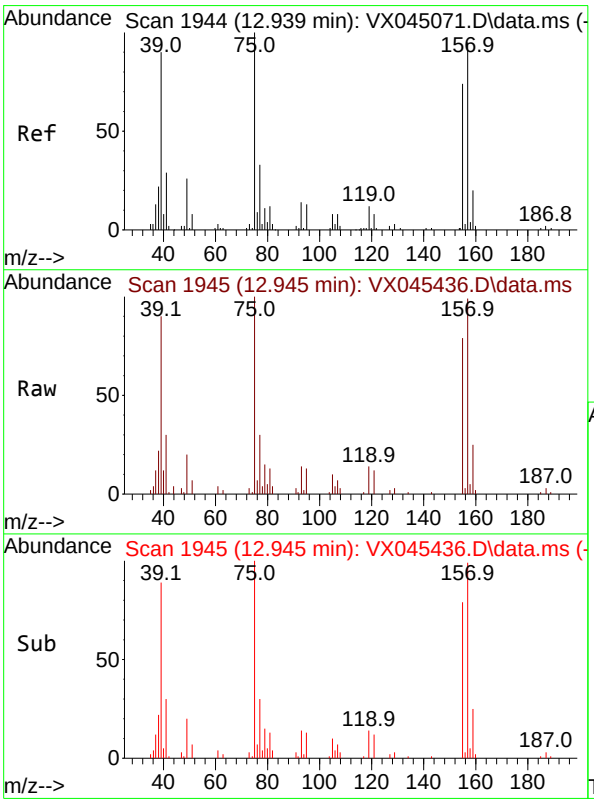
Ion	Ratio	Lower	Upper
146	100		
111	44.4	21.6	65.0
148	65.2	31.9	95.9



Instrument :
MSVOA_X
ClientSampleId :
VX0325WBS02

Manual Integrations
APPROVED

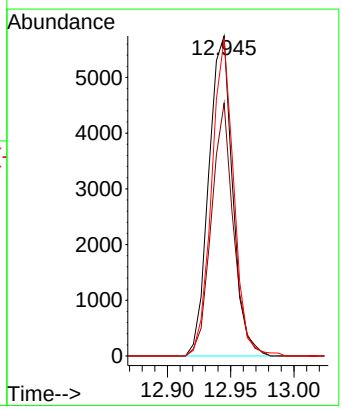
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

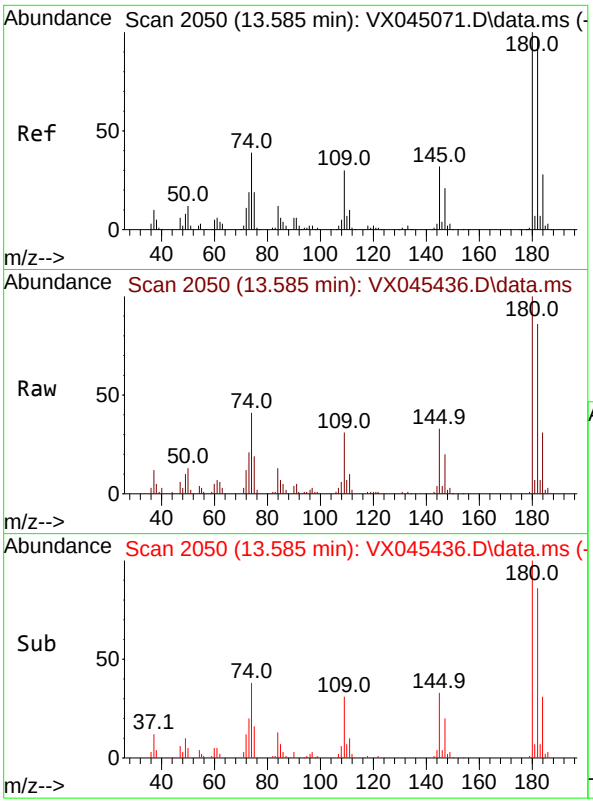


#92
1,2-Dibromo-3-Chloropropane
Concen: 22.055 ug/l
RT: 12.945 min Scan# 1945
Delta R.T. 0.006 min
Lab File: VX045436.D
Acq: 25 Mar 2025 13:35

Tgt Ion: 75 Resp: 7496

Ion	Ratio	Lower	Upper
75	100		
155	73.3	39.6	118.7
157	92.2	51.1	153.4

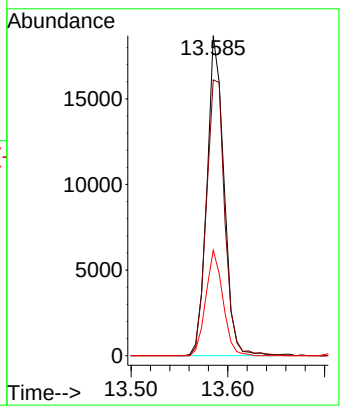




#93
1,2,4-Trichlorobenzene
Concen: 20.120 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045436.D
Acq: 25 Mar 2025 13:35

Tgt Ion:180 Resp: 2299

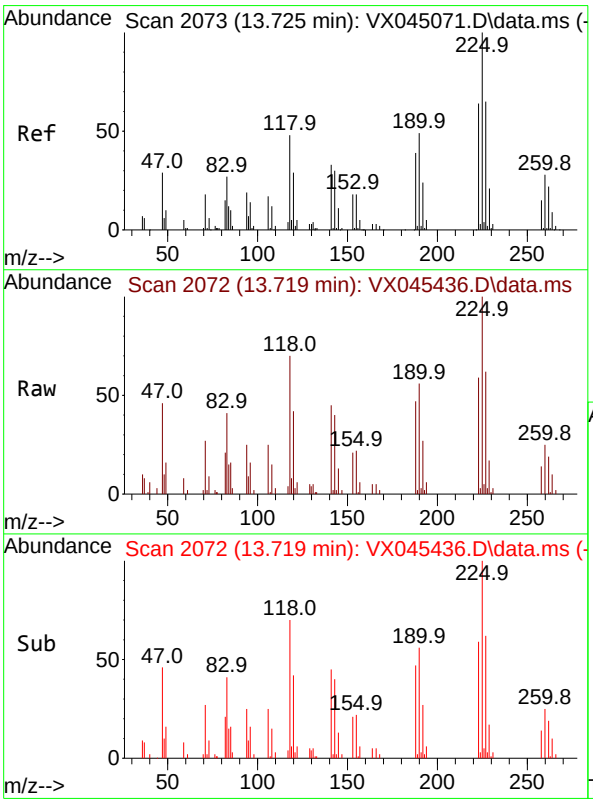
Ion	Ratio	Lower	Upper
180	100		
182	93.1	47.3	141.9
145	33.0	16.3	48.9



Instrument :
MSVOA_X
ClientSampleId :
VX0325WBS02

Manual Integrations
APPROVED

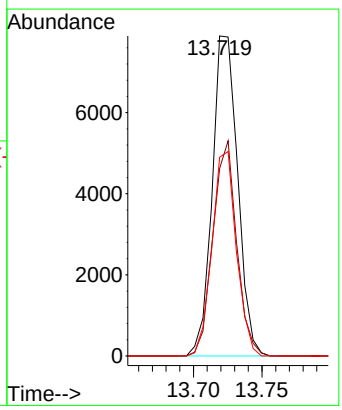
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

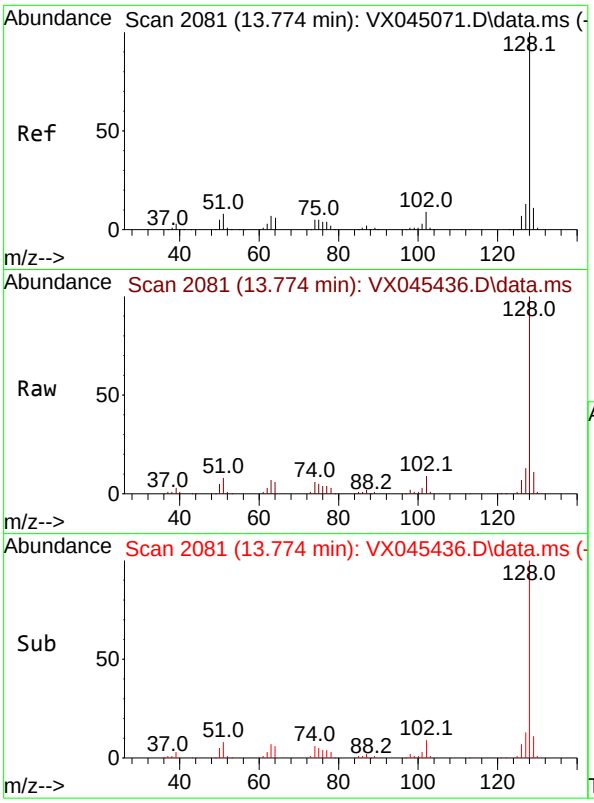


#94
Hexachlorobutadiene
Concen: 21.715 ug/l
RT: 13.719 min Scan# 2072
Delta R.T. -0.006 min
Lab File: VX045436.D
Acq: 25 Mar 2025 13:35

Tgt Ion:225 Resp: 10176

Ion	Ratio	Lower	Upper
225	100		
223	62.7	31.9	95.7
227	61.2	31.4	94.0

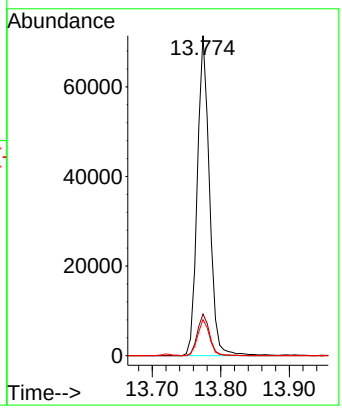




#95
Naphthalene
Concen: 20.117 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045436.D
Acq: 25 Mar 2025 13:35

Tgt Ion:128 Resp: 8834

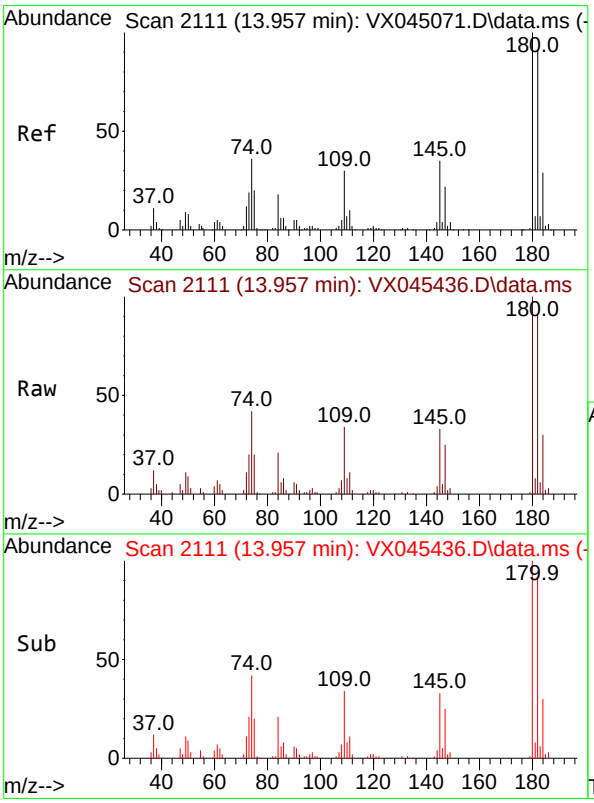
Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.3	15.5
129	11.1	8.7	13.1



Instrument :
MSVOA_X
ClientSampleId :
VX0325WBS02

Manual Integrations
APPROVED

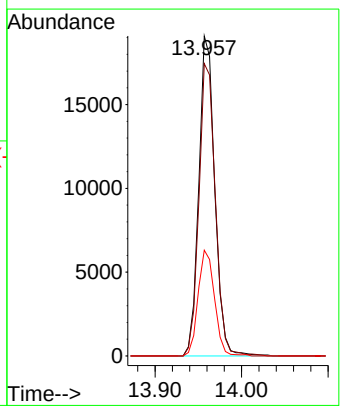
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025



#96
1,2,3-Trichlorobenzene
Concen: 20.276 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX045436.D
Acq: 25 Mar 2025 13:35

Tgt Ion:180 Resp: 24449

Ion	Ratio	Lower	Upper
180	100		
182	94.1	47.5	142.6
145	34.0	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:	03/18/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/19/25
Client Sample ID:	RE132D1-20250318MS	SDG No.:	Q1608
Lab Sample ID:	Q1608-12MS	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
VX045453.D	1		03/25/25 20:14	VX032525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	63.1		0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	54.1		0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	49.4		0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	56.7		1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	56.0		0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	53.8		0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	62.5		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	53.5		0.23	0.75	1.00	ug/L
67-64-1	Acetone	270		1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	47.8		0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	53.4		0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	46.2		0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	50.6		0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	53.4		0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	53.7		0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	54.8		1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	280		0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	55.6		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	54.6		0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	55.1		0.22	0.50	1.00	ug/L
67-66-3	Chloroform	56.5		0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	56.4		0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	55.8		0.16	0.50	1.00	ug/L
71-43-2	Benzene	52.3		0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	58.4		0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	180	E	0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	50.4		0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	54.7		0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	280		0.68	2.50	5.00	ug/L
108-88-3	Toluene	53.4		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:	03/18/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/19/25
Client Sample ID:	RE132D1-20250318MS	SDG No.:	Q1608
Lab Sample ID:	Q1608-12MS	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
VX045453.D	1		03/25/25 20:14	VX032525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	54.4		0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	53.1		0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	52.9		0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	300		0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	54.1		0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	53.8		0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	58.2		0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	51.8		0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	54.0		0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	110		0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	52.0		0.12	0.50	1.00	ug/L
100-42-5	Styrene	55.7		0.15	0.50	1.00	ug/L
75-25-2	Bromoform	54.7		0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	51.7		0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	50.4		0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	51.3		0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	50.0		0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	51.6		0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	56.1		0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	50.9		0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	49.8		0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	56.7		81 - 118		113%	SPK: 50
1868-53-7	Dibromofluoromethane	52.9		80 - 119		106%	SPK: 50
2037-26-5	Toluene-d8	50.1		89 - 112		100%	SPK: 50
460-00-4	4-Bromofluorobenzene	57.4	*	85 - 114		115%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	75300	5.544				
540-36-3	1,4-Difluorobenzene	138000	6.757				
3114-55-4	Chlorobenzene-d5	121000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	57300	12.018				

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	03/18/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/19/25
Client Sample ID:	RE132D1-20250318MS	SDG No.:	Q1608
Lab Sample ID:	Q1608-12MS	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
VX045453.D	1		03/25/25 20:14	VX032525

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\VX032525\
Data File : VX045453.D
Acq On : 25 Mar 2025 20:14
Operator : JC/MD
Sample : Q1608-12MS
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Mar 26 01:45:43 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 :
RE132D1-20250318MS

Manual Integrations APPROVED

Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	75274	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	137526	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	121362	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	57274	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	67843	56.661	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 113.320%			
35) Dibromofluoromethane	5.379	113	48641	52.894	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.780%			
50) Toluene-d8	8.647	98	166935	50.072	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.140%			
62) 4-Bromofluorobenzene	11.079	95	63445	57.430	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 114.860%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.167	85	59832	63.146	ug/l	97
3) Chloromethane	1.301	50	62763	54.127	ug/l	98
4) Vinyl Chloride	1.374	62	56780	49.361	ug/l	99
5) Bromomethane	1.593	94	25624	56.665	ug/l	98
6) Chloroethane	1.660	64	29739	56.049	ug/l	99
7) Trichlorofluoromethane	1.874	101	81927	53.801	ug/l	98
8) Diethyl Ether	2.130	74	27732	46.560	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.319	101	54689	62.511	ug/l	99
10) Methyl Iodide	2.441	142	64444	58.943	ug/l	95
11) Tert butyl alcohol	2.989	59	53301	235.017	ug/l	97
12) 1,1-Dichloroethene	2.307	96	49511	53.528	ug/l	95
13) Acrolein	2.233	56	74173	282.920	ug/l	98
14) Allyl chloride	2.654	41	91452	55.544	ug/l	94
15) Acrylonitrile	3.063	53	158269	260.380	ug/l	98
16) Acetone	2.386	43	151022	271.852	ug/l	97
17) Carbon Disulfide	2.502	76	117782	47.809	ug/l	98
18) Methyl Acetate	2.703	43	61707	46.173	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	165578	53.357	ug/l	97
20) Methylene Chloride	2.782	84	55644	50.565	ug/l	96
21) trans-1,2-Dichloroethene	3.087	96	48788	53.391	ug/l	97
22) Diisopropyl ether	3.758	45	180498	53.904	ug/l #	87
23) Vinyl Acetate	3.715	43	741441	265.335	ug/l	98
24) 1,1-Dichloroethane	3.605	63	100738	53.681	ug/l	99
25) 2-Butanone	4.556	43	231423	276.752	ug/l	97
26) 2,2-Dichloropropane	4.465	77	58131	66.041	ug/l	96
27) cis-1,2-Dichloroethene	4.483	96	61622	54.628	ug/l	93
28) Bromochloromethane	4.891	49	49330	55.149	ug/l	97
29) Tetrahydrofuran	5.007	42	146468	260.824	ug/l	99
30) Chloroform	5.087	83	105279	56.461	ug/l	98
31) Cyclohexane	5.458	56	89260	54.794	ug/l	97
32) 1,1,1-Trichloroethane	5.379	97	84889	56.368	ug/l	97
36) 1,1-Dichloropropene	5.684	75	66602	52.811	ug/l	99
37) Ethyl Acetate	4.715	43	80246	49.380	ug/l	99
38) Carbon Tetrachloride	5.666	117	71130	55.555	ug/l	99
39) Methylcyclohexane	7.373	83	84382	55.840	ug/l	96
40) Benzene	6.032	78	208143	52.266	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032525\
Data File : VX045453.D
Acq On : 25 Mar 2025 20:14
Operator : JC/MD
Sample : Q1608-12MS
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Mar 26 01:45:43 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 :
RE132D1-20250318MS

Manual Integrations APPROVED

Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.916	41	48028	54.658	ug/l		98
42) 1,2-Dichloroethane	6.080	62	83793	58.431	ug/l		96
43) Isopropyl Acetate	6.336	43	123504	51.396	ug/l		99
44) Trichloroethene	7.117	130	171657	183.571	ug/l		98
45) 1,2-Dichloropropane	7.428	63	51556	50.352	ug/l		97
46) Dibromomethane	7.580	93	38883	53.727	ug/l		96
47) Bromodichloromethane	7.818	83	77659	54.707	ug/l		97
48) Methyl methacrylate	7.690	41	68214	56.583	ug/l		93
49) 1,4-Dioxane	7.659	88	28024	1102.003	ug/l		96
51) 4-Methyl-2-Pentanone	8.574	43	459467	284.768	ug/l		98
52) Toluene	8.714	92	124829	53.425	ug/l		100
53) t-1,3-Dichloropropene	8.976	75	64569	54.408	ug/l		94
54) cis-1,3-Dichloropropene	8.360	75	73432	53.063	ug/l	#	88
55) 1,1,2-Trichloroethane	9.147	97	50866	52.881	ug/l		98
56) Ethyl methacrylate	9.116	69	81211	55.542	ug/l		92
57) 1,3-Dichloropropane	9.305	76	86605	52.026	ug/l		99
59) 2-Hexanone	9.427	43	348369	297.997	ug/l		97
60) Dibromochloromethane	9.519	129	54443	54.132	ug/l		99
61) 1,2-Dibromoethane	9.604	107	51698	53.837	ug/l		97
64) Tetrachloroethene	9.269	164	45256	58.224	ug/l		97
65) Chlorobenzene	10.073	112	133074	51.820	ug/l		100
66) 1,1,1,2-Tetrachloroethane	10.159	131	44970	52.584	ug/l		96
67) Ethyl Benzene	10.189	91	241425	53.955	ug/l		100
68) m/p-Xylenes	10.299	106	174457	106.504	ug/l		94
69) o-Xylene	10.640	106	85858	51.970	ug/l		93
70) Styrene	10.653	104	148946	55.720	ug/l		98
71) Bromoform	10.799	173	35249	54.659	ug/l	#	98
73) Isopropylbenzene	10.957	105	230995	51.672	ug/l		99
74) N-amyl acetate	10.842	43	108961	51.944	ug/l		98
75) 1,1,2,2-Tetrachloroethane	11.207	83	82659	50.387	ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	68656m	51.503	ug/l		
77) Bromobenzene	11.195	156	53228	50.465	ug/l		95
78) n-propylbenzene	11.299	91	269107	53.289	ug/l		98
79) 2-Chlorotoluene	11.360	91	165161	51.354	ug/l		98
80) 1,3,5-Trimethylbenzene	11.451	105	189979	52.558	ug/l		97
81) trans-1,4-Dichloro-2-b...	11.018	75	19709	50.596	ug/l		85
82) 4-Chlorotoluene	11.451	91	186957	53.338	ug/l		97
83) tert-Butylbenzene	11.713	119	191732	51.625	ug/l		97
84) 1,2,4-Trimethylbenzene	11.750	105	192914	53.041	ug/l		99
85) sec-Butylbenzene	11.890	105	236009	53.049	ug/l		99
86) p-Isopropyltoluene	12.006	119	192339	53.497	ug/l		98
87) 1,3-Dichlorobenzene	11.969	146	96495	51.283	ug/l		98
88) 1,4-Dichlorobenzene	12.037	146	95102	49.958	ug/l		98
89) n-Butylbenzene	12.329	91	170243	54.978	ug/l		99
90) Hexachloroethane	12.536	117	33310	51.222	ug/l		96
91) 1,2-Dichlorobenzene	12.335	146	97391	51.597	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	12.939	75	17914	56.052	ug/l		90
93) 1,2,4-Trichlorobenzene	13.585	180	54675	50.871	ug/l		99
94) Hexachlorobutadiene	13.725	225	22030	49.996	ug/l		99
95) Naphthalene	13.774	128	210140	50.889	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	56493	49.825	ug/l		98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032525\
Data File : VX045453.D
Acq On : 25 Mar 2025 20:14
Operator : JC/MD
Sample : Q1608-12MS
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MS

Manual Integrations APPROVED

Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

Quant Time: Mar 26 01:45:43 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

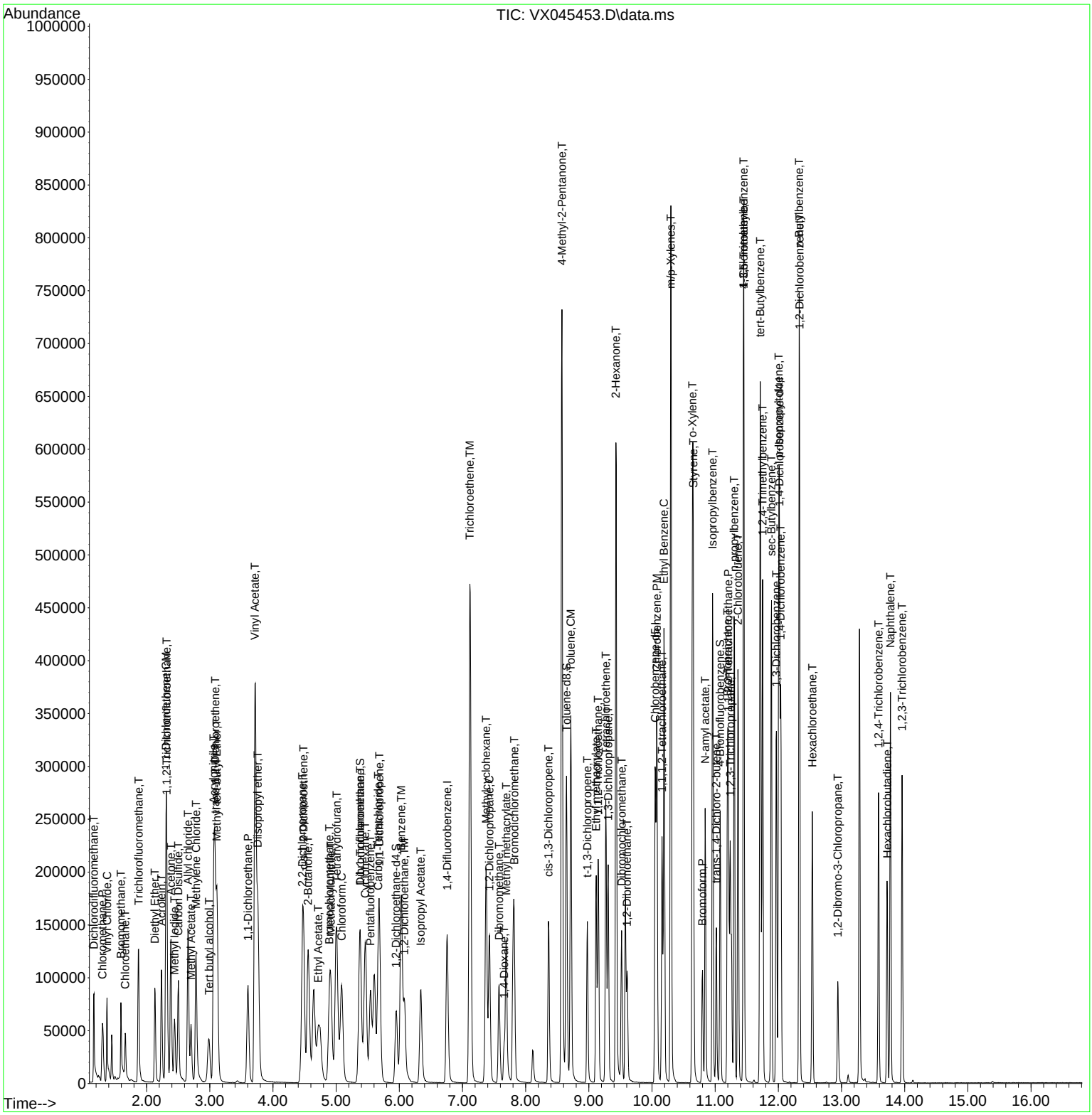
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Data File : VX045453.D
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Operator : JC/MD
Sample : Q1608-12MS
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

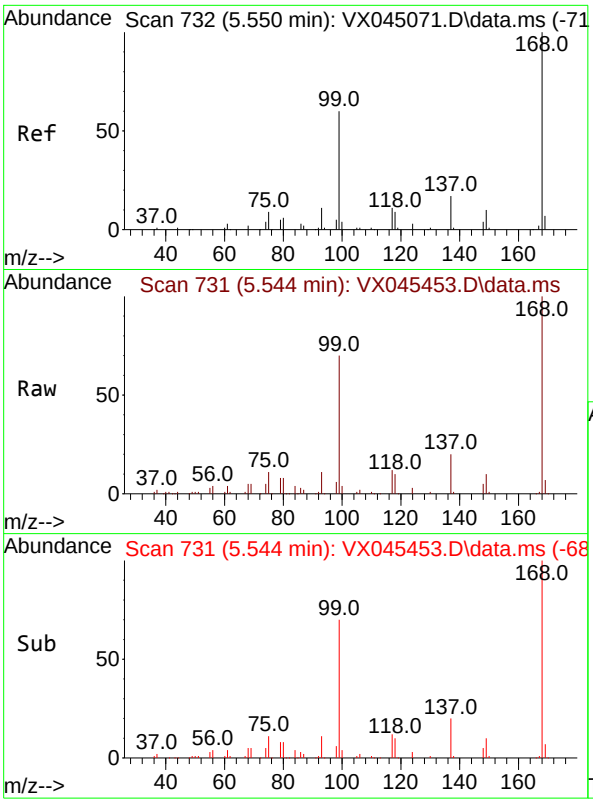
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Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MS

Manual Integrations APPROVED

Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

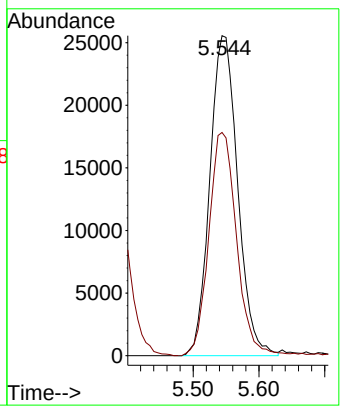




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045453.D
Acq: 25 Mar 2025 20:14

Tgt Ion:168 Resp: 7527

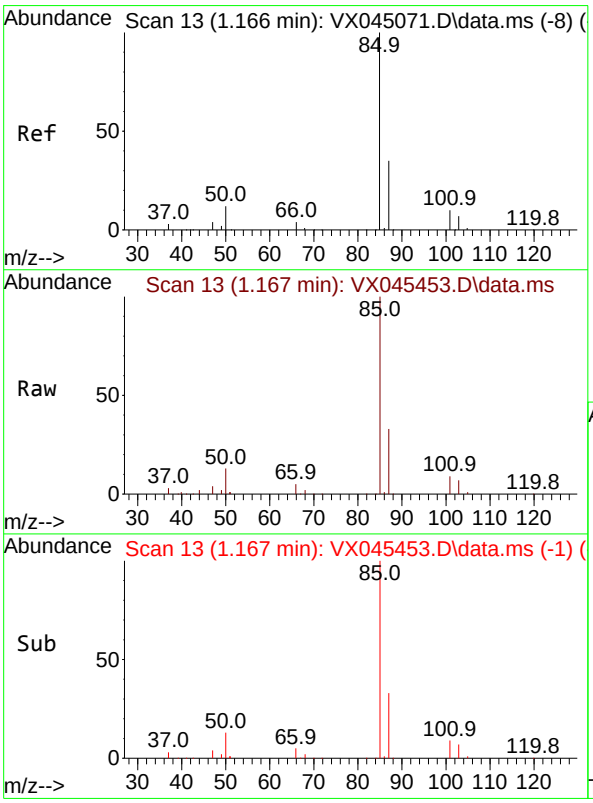
Ion	Ratio	Lower	Upper
168	100		
99	69.7	48.2	72.4



Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MS

Manual Integrations
APPROVED

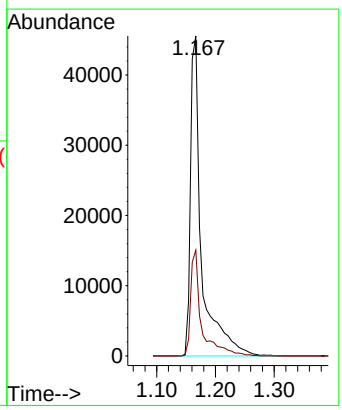
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

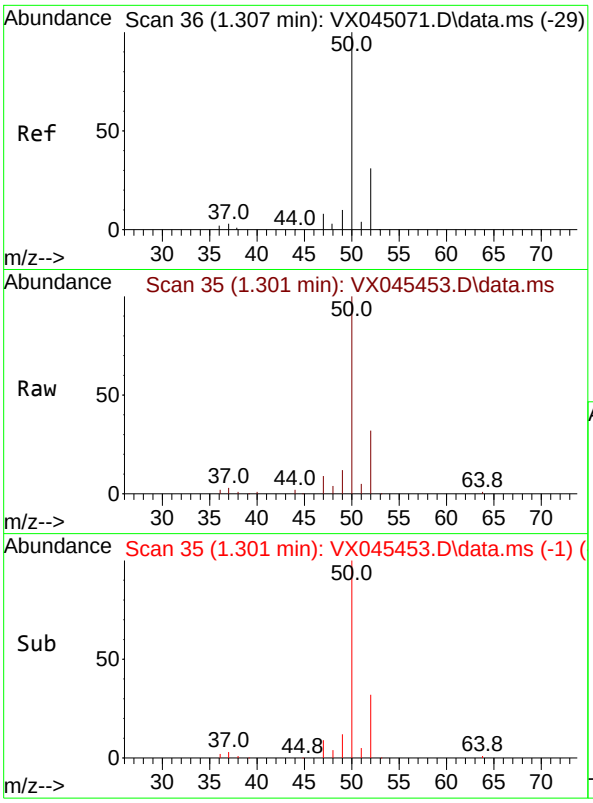


#2
Dichlorodifluoromethane
Concen: 63.146 ug/l
RT: 1.167 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX045453.D
Acq: 25 Mar 2025 20:14

Tgt Ion: 85 Resp: 59832

Ion	Ratio	Lower	Upper
85	100		
87	33.0	17.4	52.3

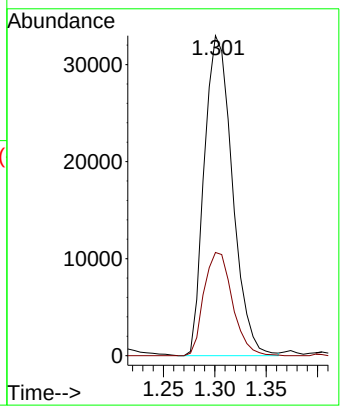




#3
Chloromethane
Concen: 54.127 ug/l
RT: 1.301 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045453.D
Acq: 25 Mar 2025 20:14

Tgt Ion: 50 Resp: 6276

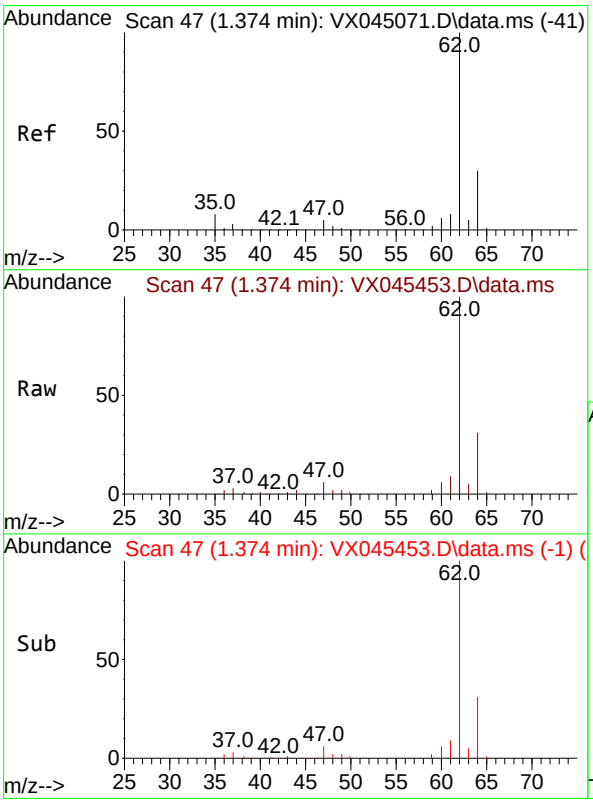
Ion	Ratio	Lower	Upper
50	100		
52	32.3	25.0	37.4



Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MS

Manual Integrations
APPROVED

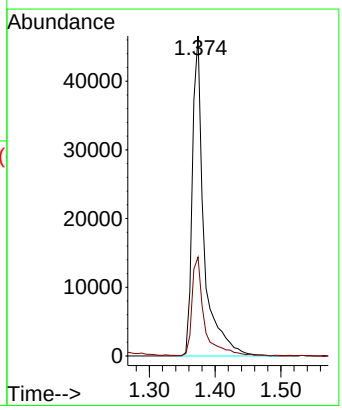
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

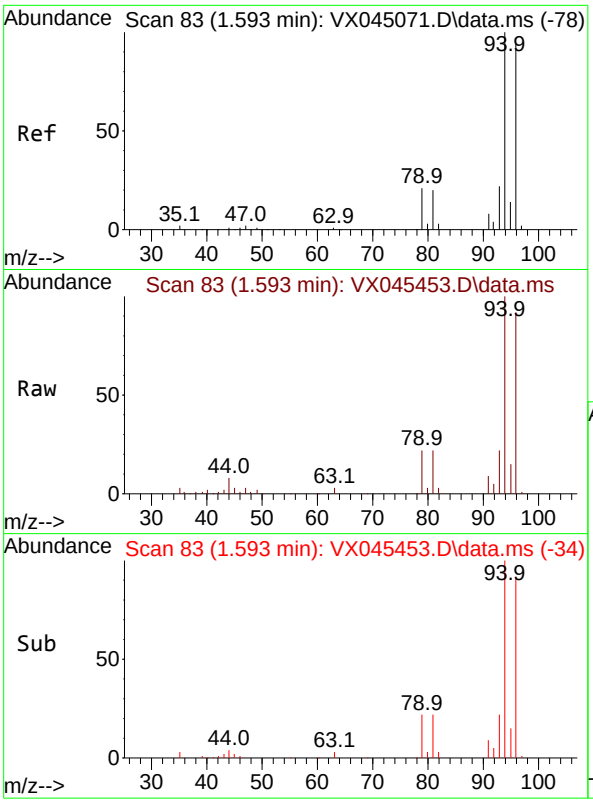


#4
Vinyl Chloride
Concen: 49.361 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX045453.D
Acq: 25 Mar 2025 20:14

Tgt Ion: 62 Resp: 56780

Ion	Ratio	Lower	Upper
62	100		
64	30.8	24.3	36.5

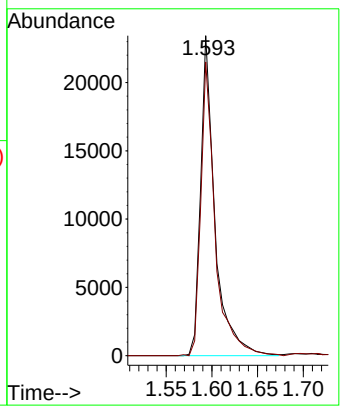




#5
Bromomethane
Concen: 56.665 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX045453.D
Acq: 25 Mar 2025 20:14

Tgt Ion: 94 Resp: 2562

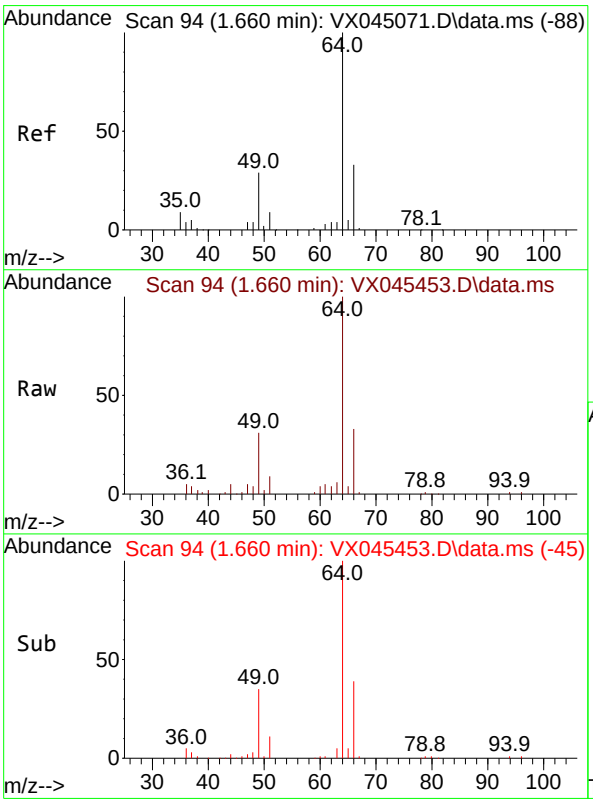
Ion	Ratio	Lower	Upper
94	100		
96	91.8	75.0	112.4



Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MS

Manual Integrations
APPROVED

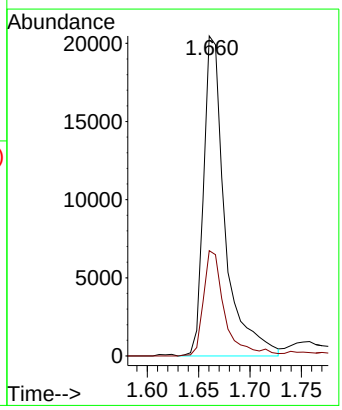
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

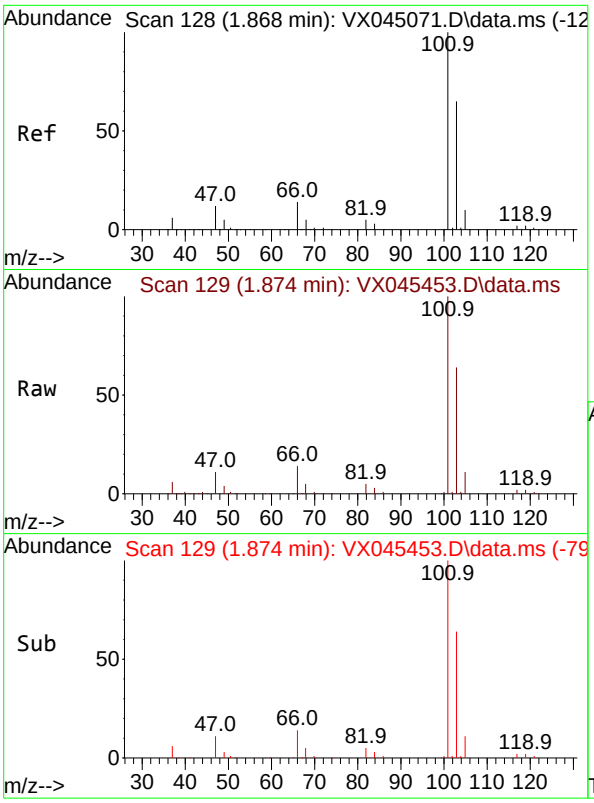


#6
Chloroethane
Concen: 56.049 ug/l
RT: 1.660 min Scan# 94
Delta R.T. 0.000 min
Lab File: VX045453.D
Acq: 25 Mar 2025 20:14

Tgt Ion: 64 Resp: 29739

Ion	Ratio	Lower	Upper
64	100		
66	32.9	26.7	40.1

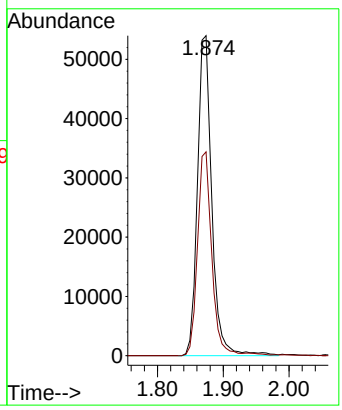




#7
Trichlorofluoromethane
Concen: 53.801 ug/l
RT: 1.874 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045453.D
Acq: 25 Mar 2025 20:14

Tgt Ion:101 Resp: 8192

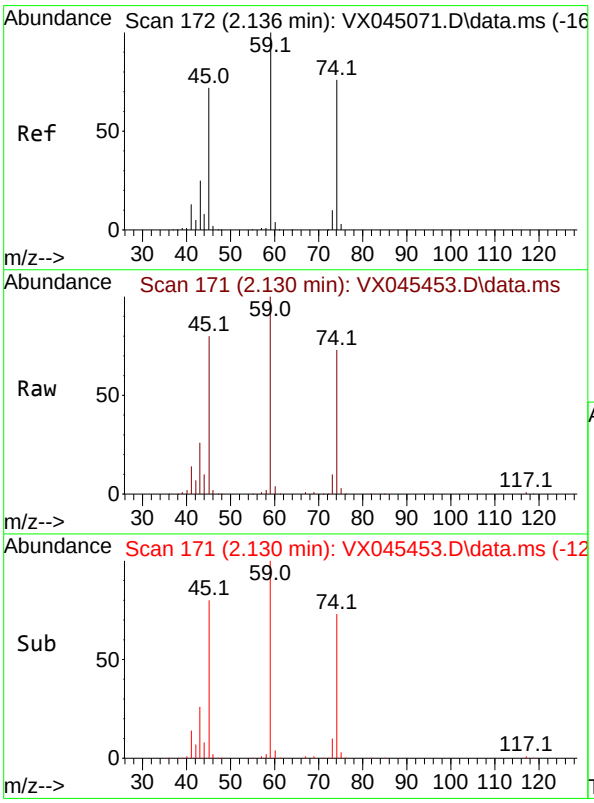
Ion	Ratio	Lower	Upper
101	100		
103	63.7	52.1	78.1



Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MS

Manual Integrations
APPROVED

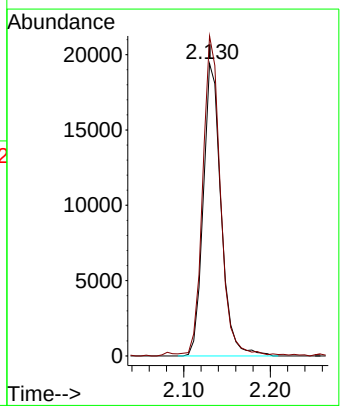
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

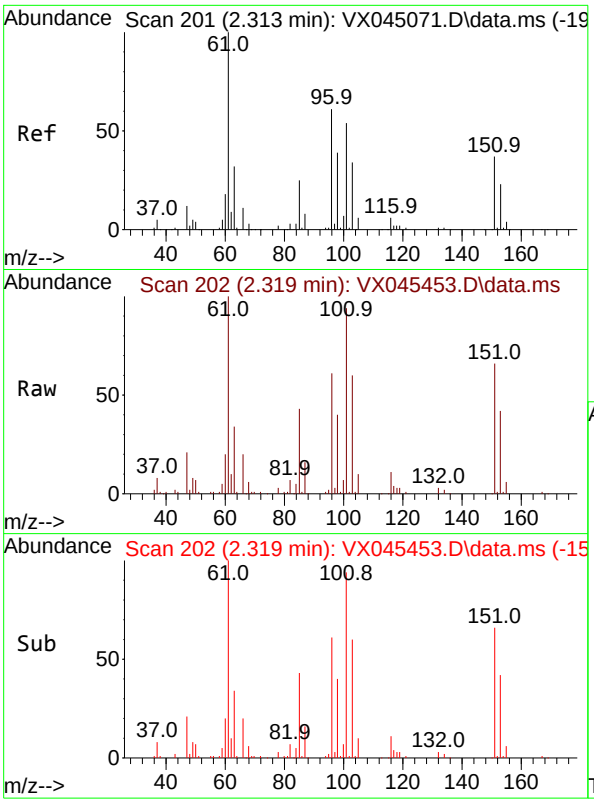


#8
Diethyl Ether
Concen: 46.560 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX045453.D
Acq: 25 Mar 2025 20:14

Tgt Ion: 74 Resp: 27732

Ion	Ratio	Lower	Upper
74	100		
45	107.8	51.5	154.5





#9
1,1,2-Trichlorotrifluoroethane
Concen: 62.511 ug/l
RT: 2.319 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX045453.D
Acq: 25 Mar 2025 20:14

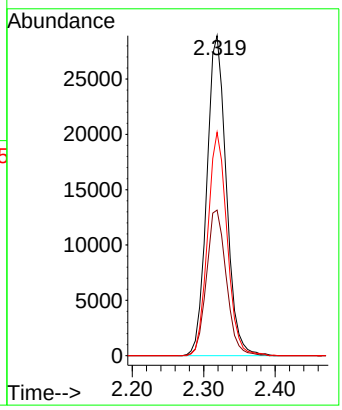
Tgt Ion:101 Resp: 5468

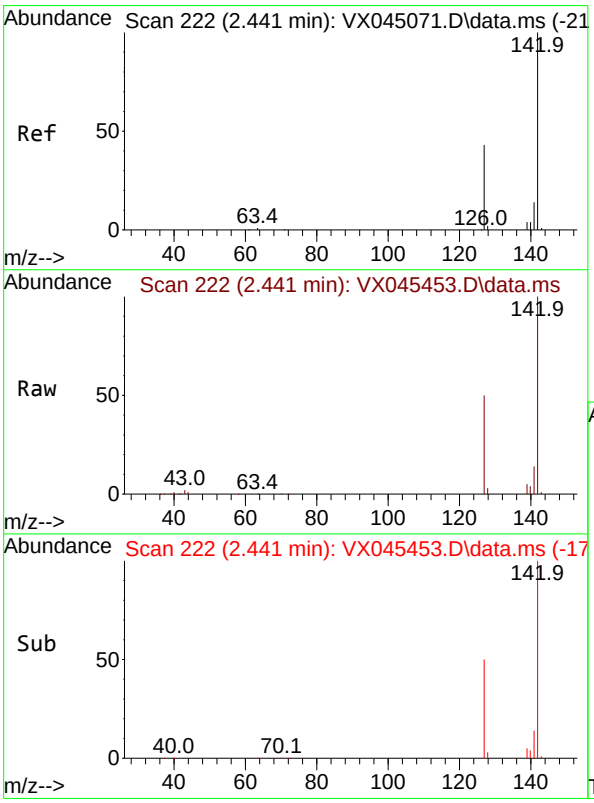
Ion	Ratio	Lower	Upper
101	100		
85	46.4	36.2	54.4
151	69.4	56.4	84.6

Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MS

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

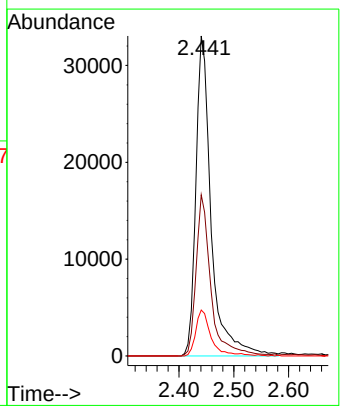


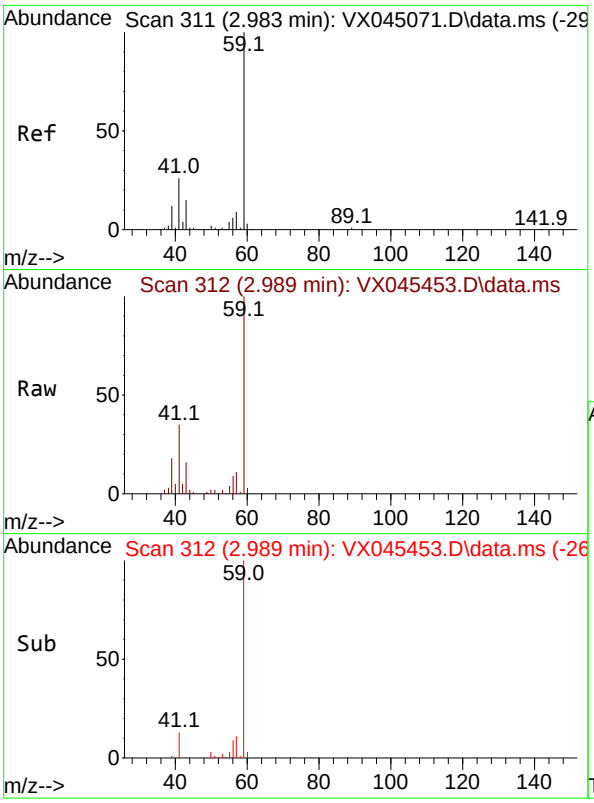


#10
Methyl Iodide
Concen: 58.943 ug/l
RT: 2.441 min Scan# 222
Delta R.T. 0.000 min
Lab File: VX045453.D
Acq: 25 Mar 2025 20:14

Tgt Ion:142 Resp: 64444

Ion	Ratio	Lower	Upper
142	100		
127	48.5	35.4	53.2
141	14.3	11.6	17.4

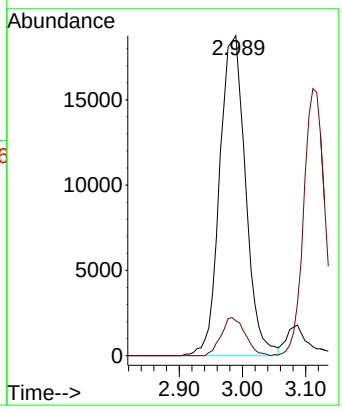




#11
Tert butyl alcohol
Concen: 235.017 ug/l
RT: 2.989 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX045453.D
Acq: 25 Mar 2025 20:14

Tgt Ion: 59 Resp: 5330

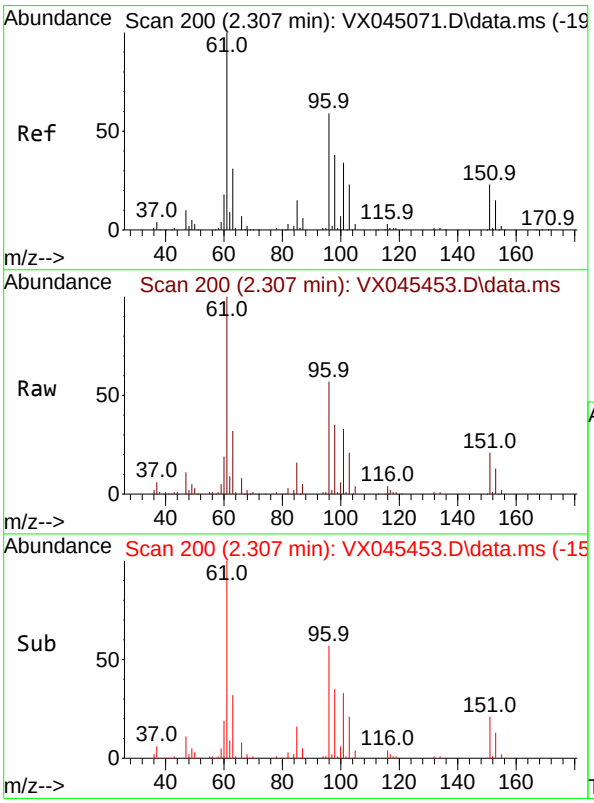
Ion	Ratio	Lower	Upper
59	100		
57	11.1	7.8	11.8



Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MS

Manual Integrations
APPROVED

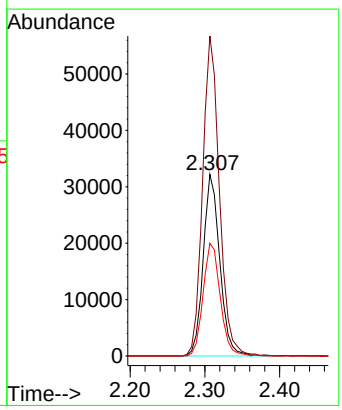
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

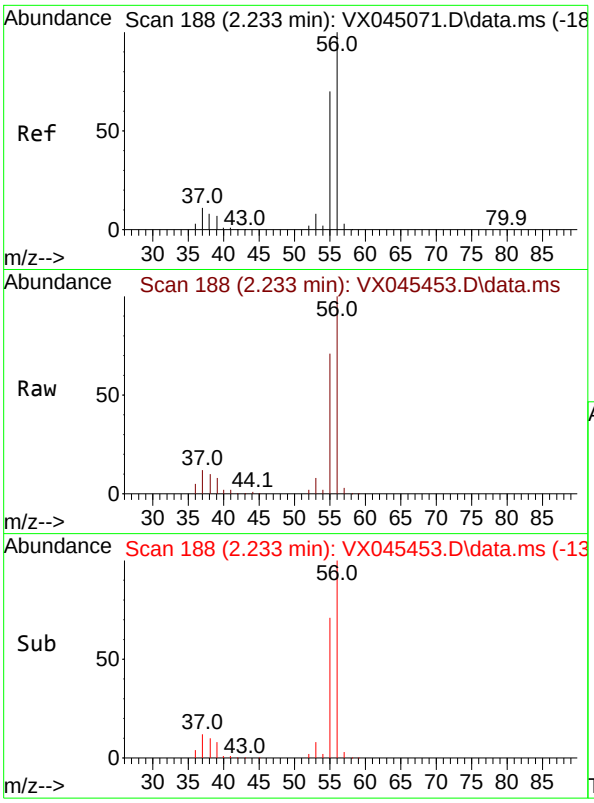


#12
1,1-Dichloroethene
Concen: 53.528 ug/l
RT: 2.307 min Scan# 200
Delta R.T. 0.000 min
Lab File: VX045453.D
Acq: 25 Mar 2025 20:14

Tgt Ion: 96 Resp: 49511

Ion	Ratio	Lower	Upper
96	100		
61	176.2	134.6	202.0
98	62.1	51.0	76.6

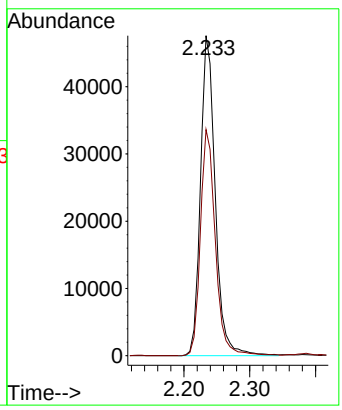




#13
Acrolein
Concen: 282.920 ug/l
RT: 2.233 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045453.D
Acq: 25 Mar 2025 20:14

Tgt Ion: 56 Resp: 7417

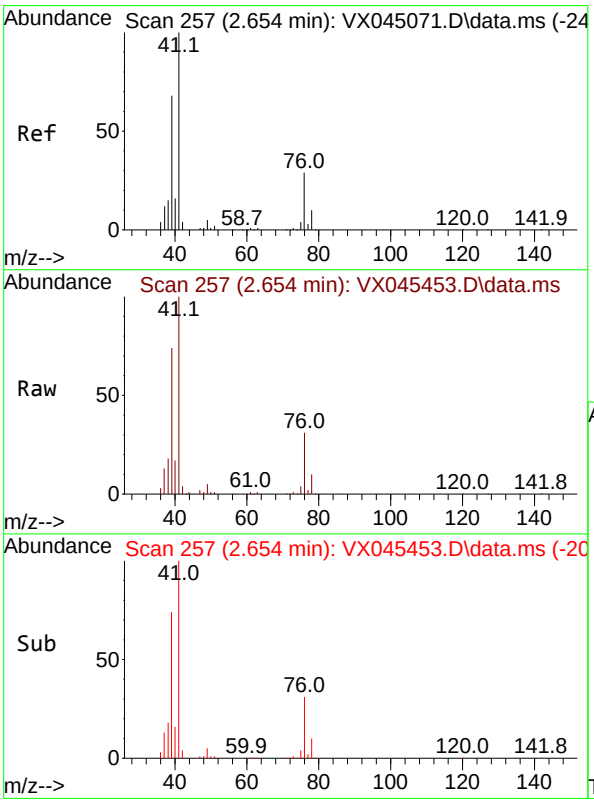
Ion	Ratio	Lower	Upper
56	100		
55	71.7	56.2	84.4



Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MS

Manual Integrations
APPROVED

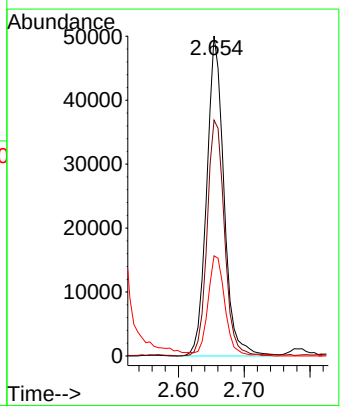
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

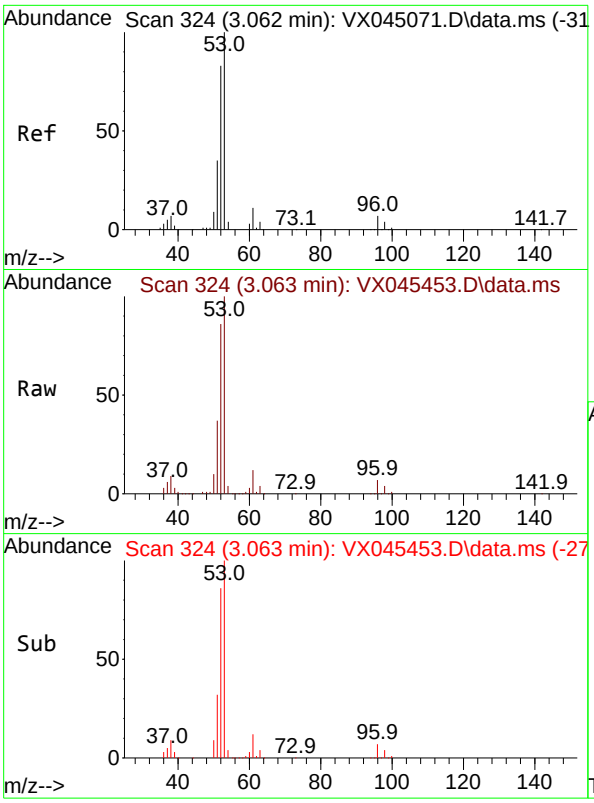


#14
Allyl chloride
Concen: 55.544 ug/l
RT: 2.654 min Scan# 257
Delta R.T. 0.000 min
Lab File: VX045453.D
Acq: 25 Mar 2025 20:14

Tgt Ion: 41 Resp: 91452

Ion	Ratio	Lower	Upper
41	100		
39	74.3	53.8	80.8
76	30.7	25.2	37.8

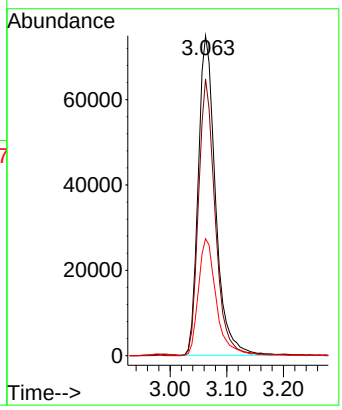




#15
Acrylonitrile
Concen: 260.380 ug/l
RT: 3.063 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045453.D
Acq: 25 Mar 2025 20:14

Tgt Ion: 53 Resp: 15826

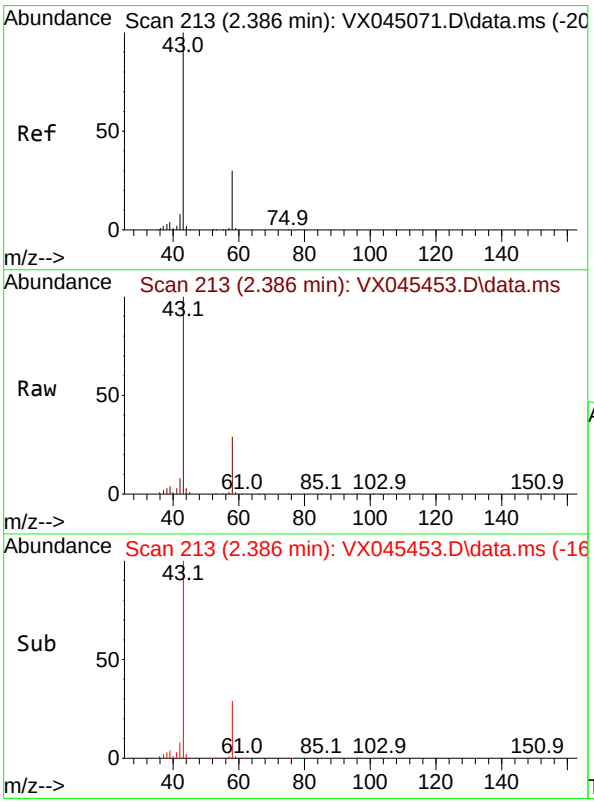
Ion	Ratio	Lower	Upper
53	100		
52	84.3	66.2	99.2
51	38.0	29.0	43.4



Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MS

Manual Integrations
APPROVED

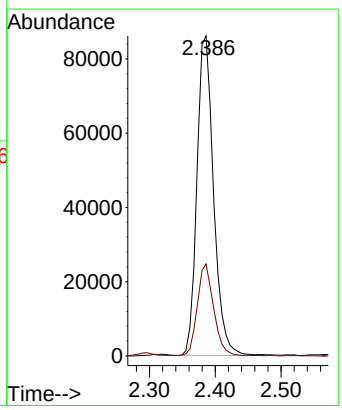
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

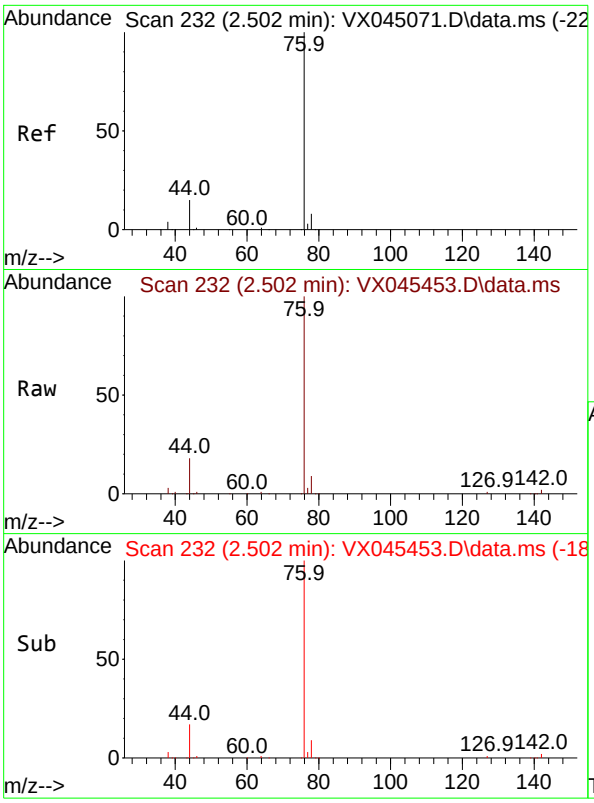


#16
Acetone
Concen: 271.852 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX045453.D
Acq: 25 Mar 2025 20:14

Tgt Ion: 43 Resp: 151022

Ion	Ratio	Lower	Upper
43	100		
58	28.7	24.2	36.4

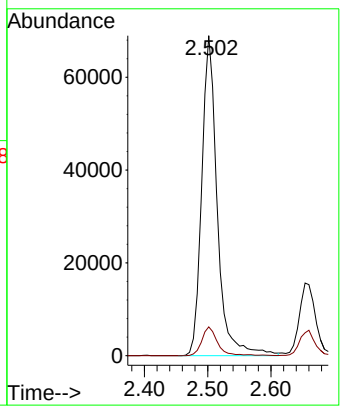




#17
Carbon Disulfide
Concen: 47.809 ug/l
RT: 2.502 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045453.D
Acq: 25 Mar 2025 20:14

Tgt Ion: 76 Resp: 11778

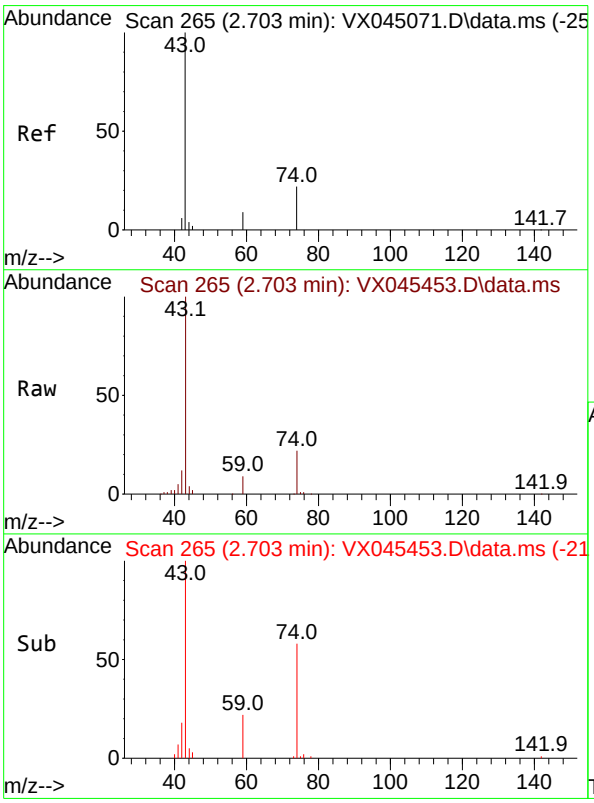
Ion	Ratio	Lower	Upper
76	100		
78	9.0	6.6	9.8



Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MS

Manual Integrations
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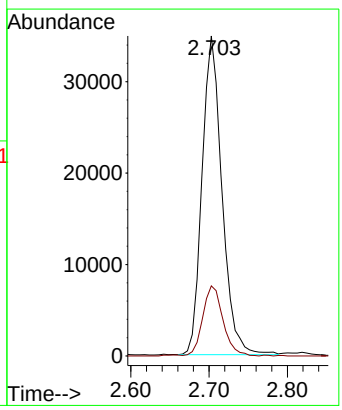
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

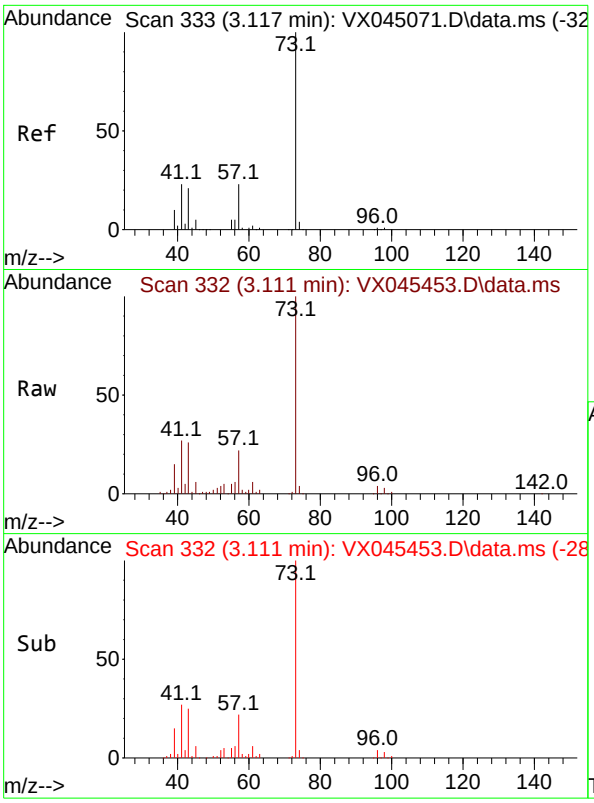


#18
Methyl Acetate
Concen: 46.173 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX045453.D
Acq: 25 Mar 2025 20:14

Tgt Ion: 43 Resp: 61707

Ion	Ratio	Lower	Upper
43	100		
74	22.5	17.4	26.2

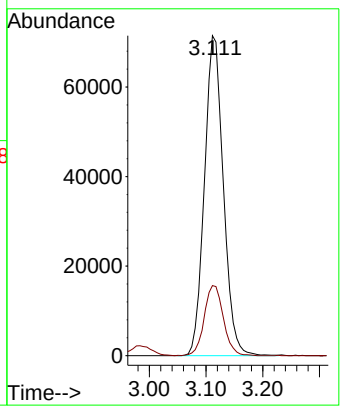




#19
Methyl tert-butyl Ether
Concen: 53.357 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045453.D
Acq: 25 Mar 2025 20:14

Tgt Ion: 73 Resp: 16557

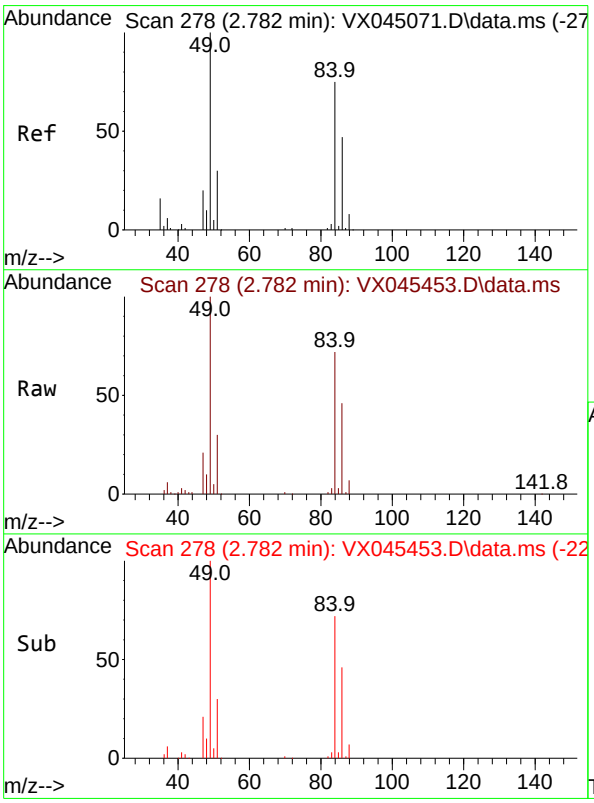
Ion	Ratio	Lower	Upper
73	100		
57	21.8	18.5	27.7



Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MS

Manual Integrations
APPROVED

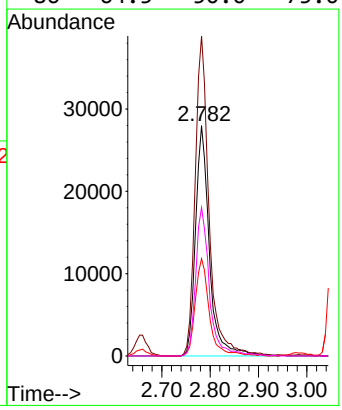
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

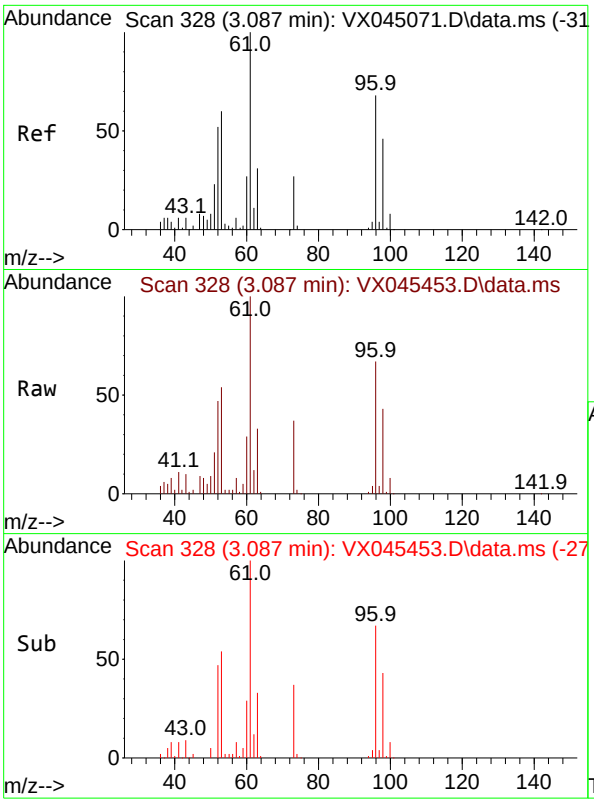


#20
Methylene Chloride
Concen: 50.565 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX045453.D
Acq: 25 Mar 2025 20:14

Tgt Ion: 84 Resp: 55644

Ion	Ratio	Lower	Upper
84	100		
49	139.0	106.5	159.7
51	42.2	32.1	48.1
86	64.5	50.0	75.0

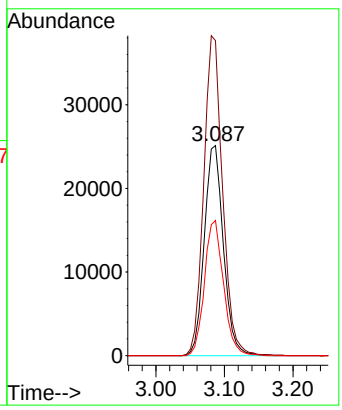




#21
trans-1,2-Dichloroethene
Concen: 53.391 ug/l
RT: 3.087 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045453.D
Acq: 25 Mar 2025 20:14

Tgt Ion: 96 Resp: 4878

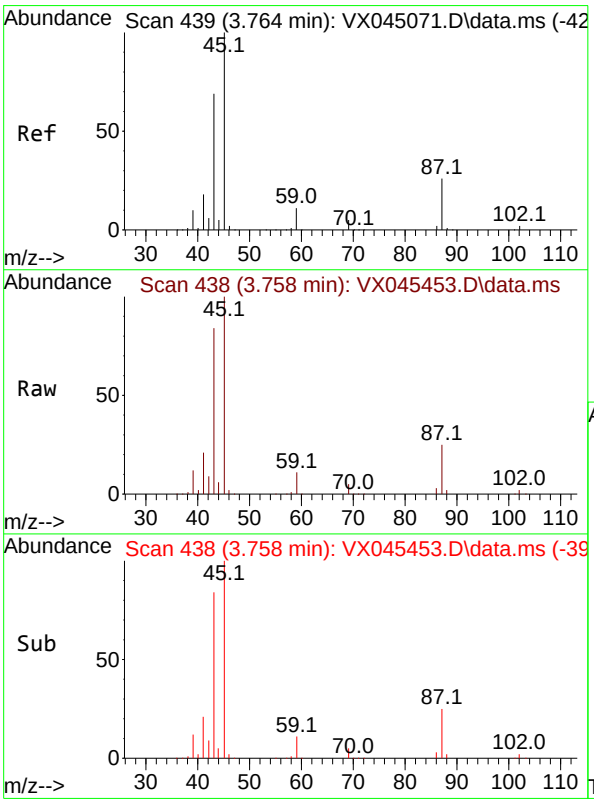
Ion	Ratio	Lower	Upper
96	100		
61	150.0	117.0	175.4
98	64.4	53.4	80.2



Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MS

Manual Integrations
APPROVED

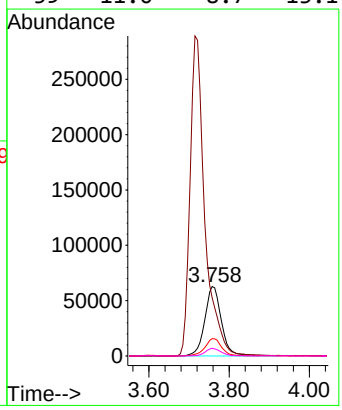
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

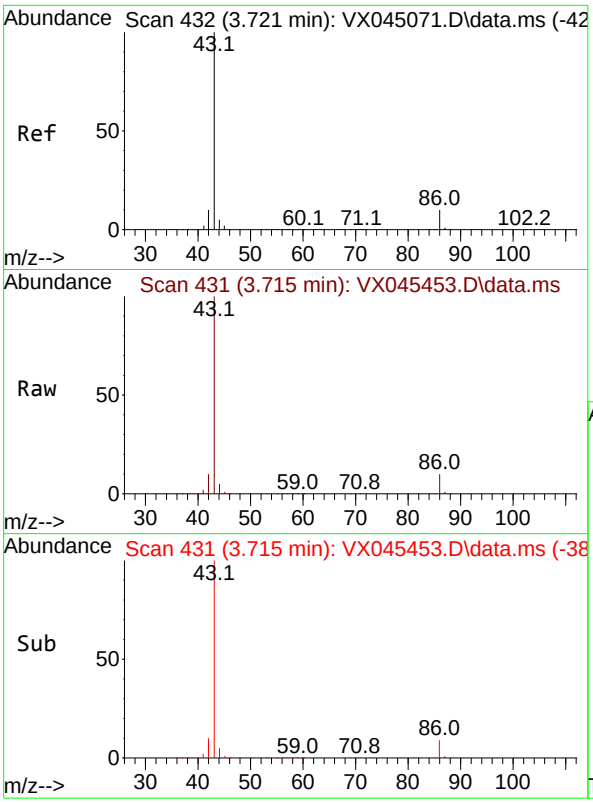


#22
Diisopropyl ether
Concen: 53.904 ug/l
RT: 3.758 min Scan# 438
Delta R.T. -0.006 min
Lab File: VX045453.D
Acq: 25 Mar 2025 20:14

Tgt Ion: 45 Resp: 180498

Ion	Ratio	Lower	Upper
45	100		
43	83.9	54.9	82.3#
87	25.0	21.0	31.4
59	11.0	8.7	13.1





#23
Vinyl Acetate
Concen: 265.335 ug/l
RT: 3.715 min Scan# 4
Delta R.T. -0.006 min
Lab File: VX045453.D
Acq: 25 Mar 2025 20:14

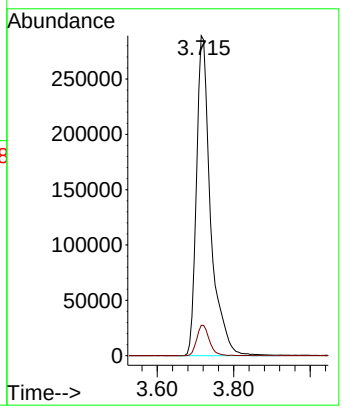
Tgt Ion: 43 Resp: 74144

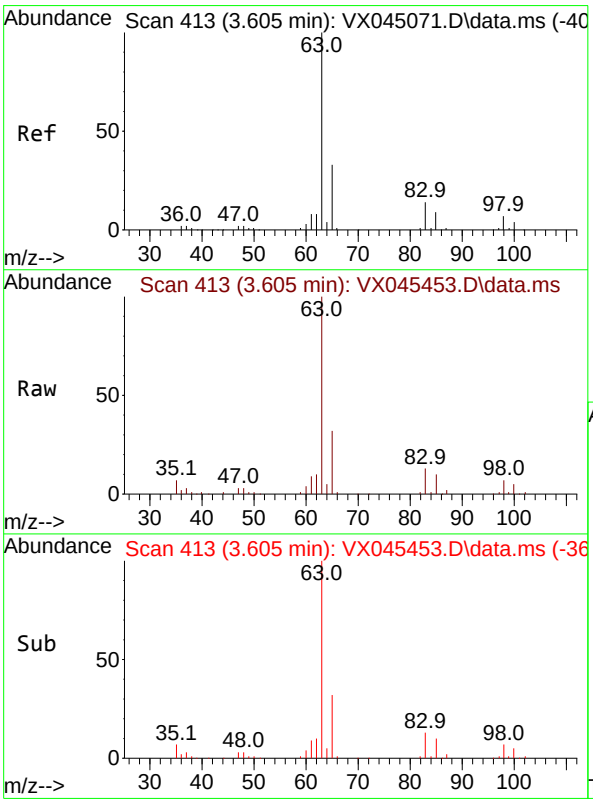
Ion	Ratio	Lower	Upper
43	100		
86	9.5	8.1	12.1

Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MS

Manual Integrations
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Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

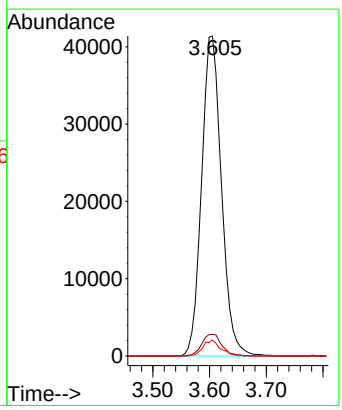


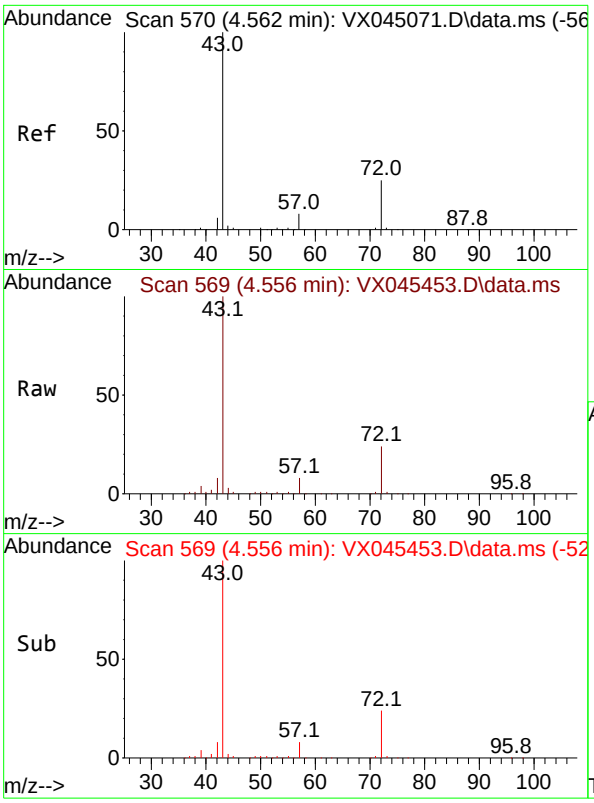


#24
1,1-Dichloroethane
Concen: 53.681 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX045453.D
Acq: 25 Mar 2025 20:14

Tgt Ion: 63 Resp: 100738

Ion	Ratio	Lower	Upper
63	100		
98	6.8	3.4	10.2
100	5.0	2.1	6.5

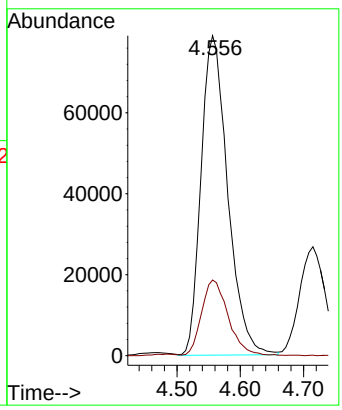




#25
2-Butanone
Concen: 276.752 ug/l
RT: 4.556 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX045453.D
Acq: 25 Mar 2025 20:14

Tgt Ion: 43 Resp: 23142

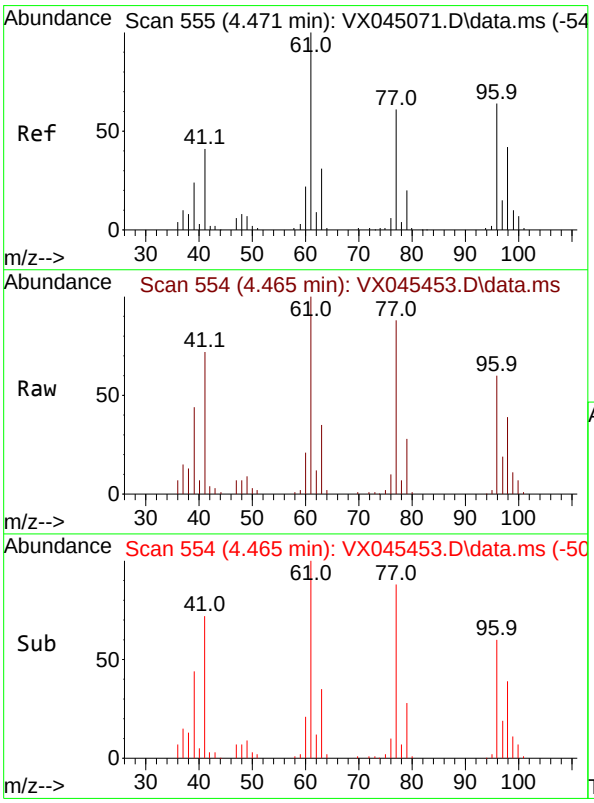
Ion	Ratio	Lower	Upper
43	100		
72	23.5	20.0	30.0



Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MS

Manual Integrations
APPROVED

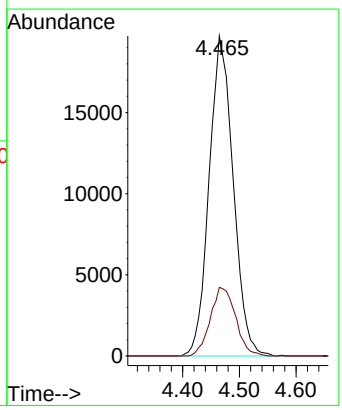
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

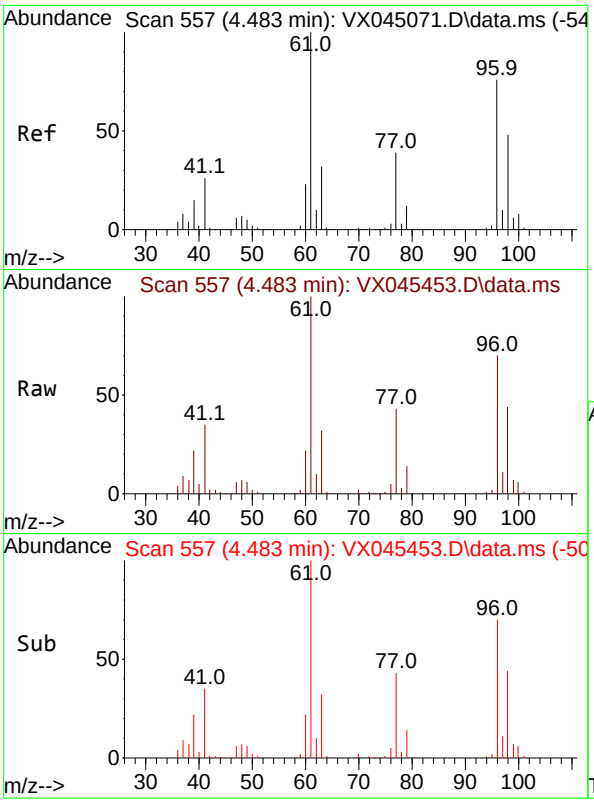


#26
2,2-Dichloropropane
Concen: 66.041 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.006 min
Lab File: VX045453.D
Acq: 25 Mar 2025 20:14

Tgt Ion: 77 Resp: 58131

Ion	Ratio	Lower	Upper
77	100		
97	22.5	12.4	37.0

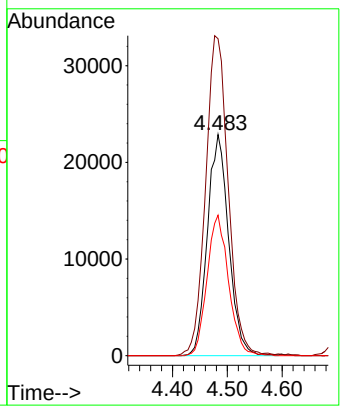




#27
cis-1,2-Dichloroethene
Concen: 54.628 ug/l
RT: 4.483 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX045453.D
Acq: 25 Mar 2025 20:14

Tgt Ion: 96 Resp: 6162

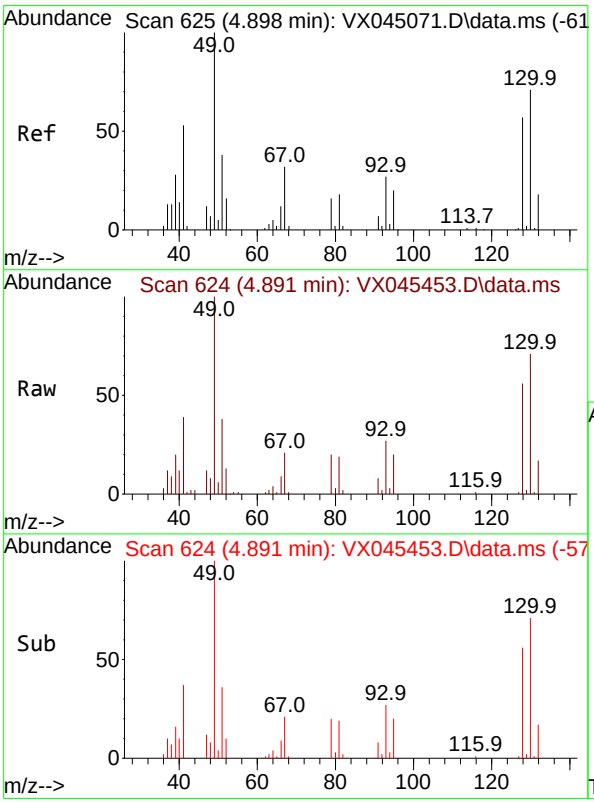
Ion	Ratio	Lower	Upper
96	100		
61	153.4	0.0	283.2
98	64.3	0.0	128.0



Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MS

Manual Integrations
APPROVED

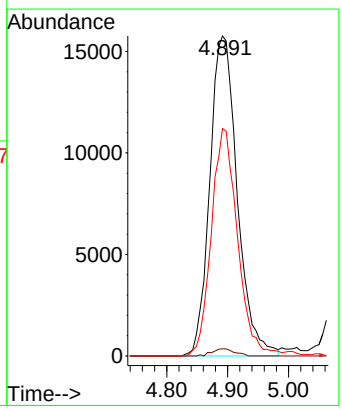
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

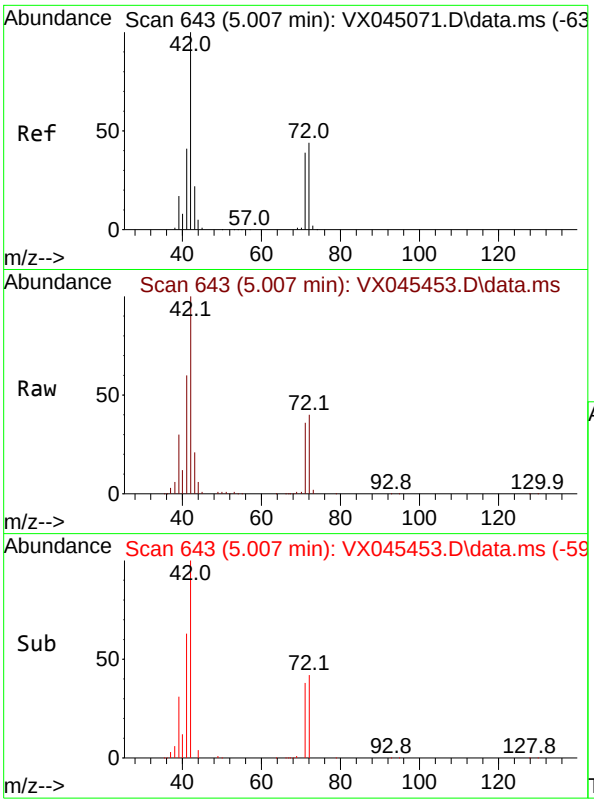


#28
Bromochloromethane
Concen: 55.149 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX045453.D
Acq: 25 Mar 2025 20:14

Tgt Ion: 49 Resp: 49330

Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.4
130	67.7	56.1	84.1

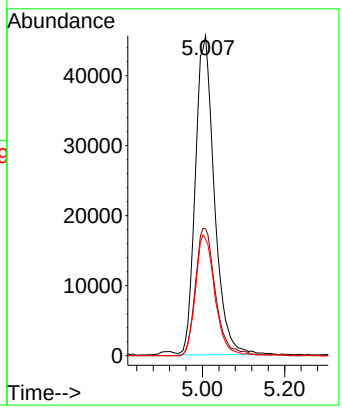




#29
Tetrahydrofuran
Concen: 260.824 ug/l
RT: 5.007 min Scan# 64
Delta R.T. 0.000 min
Lab File: VX045453.D
Acq: 25 Mar 2025 20:14

Tgt Ion: 42 Resp: 14646

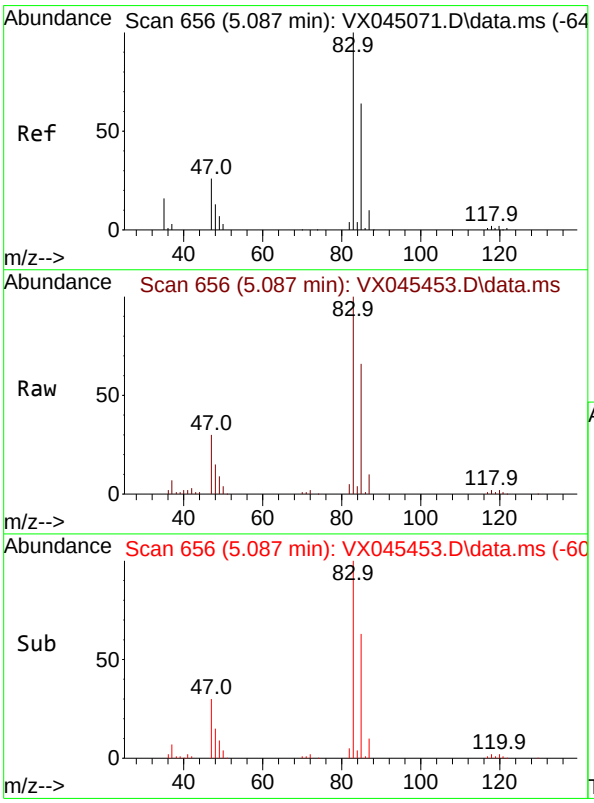
Ion	Ratio	Lower	Upper
42	100		
72	42.2	34.1	51.1
71	38.4	31.4	47.0



Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MS

Manual Integrations
APPROVED

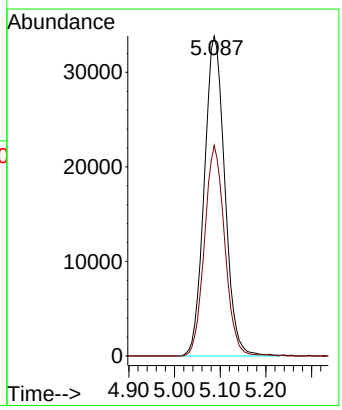
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

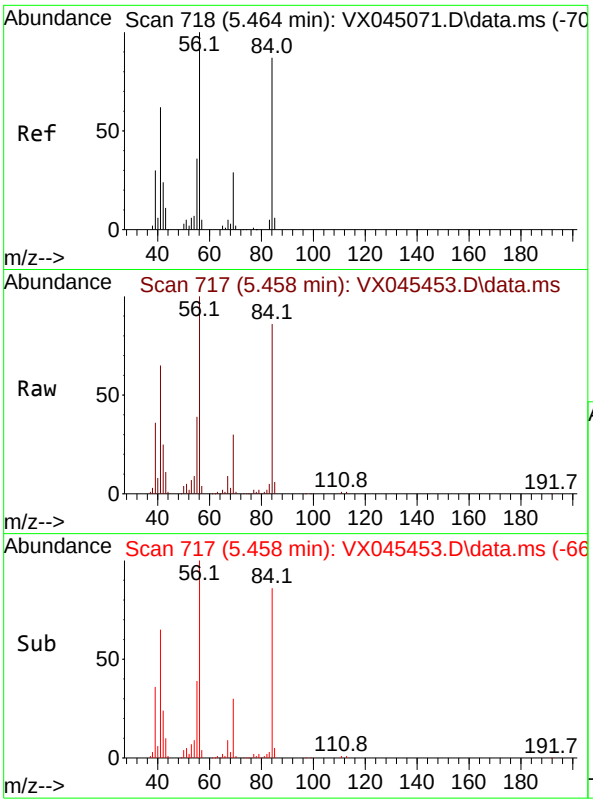


#30
Chloroform
Concen: 56.461 ug/l
RT: 5.087 min Scan# 656
Delta R.T. 0.000 min
Lab File: VX045453.D
Acq: 25 Mar 2025 20:14

Tgt Ion: 83 Resp: 105279

Ion	Ratio	Lower	Upper
83	100		
85	65.8	51.4	77.2

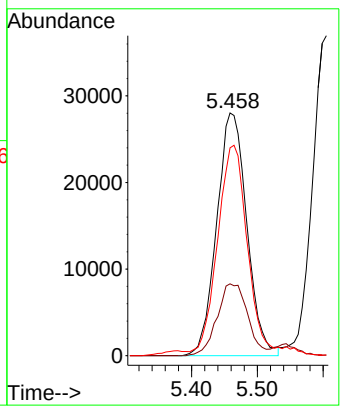




#31
Cyclohexane
Concen: 54.794 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045453.D
Acq: 25 Mar 2025 20:14

Tgt Ion: 56 Resp: 8926

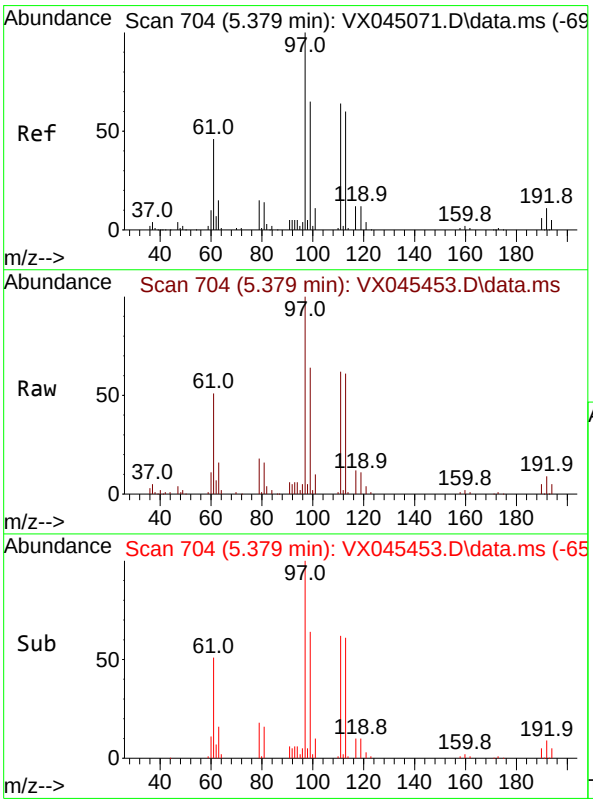
Ion	Ratio	Lower	Upper
56	100		
69	29.6	23.4	35.2
84	83.5	69.4	104.2



Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MS

Manual Integrations
APPROVED

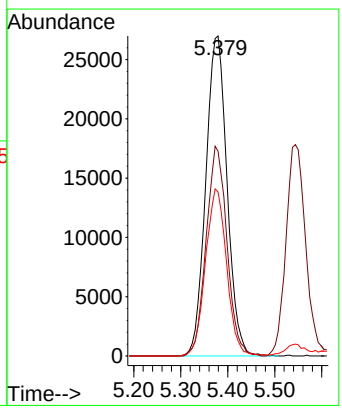
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

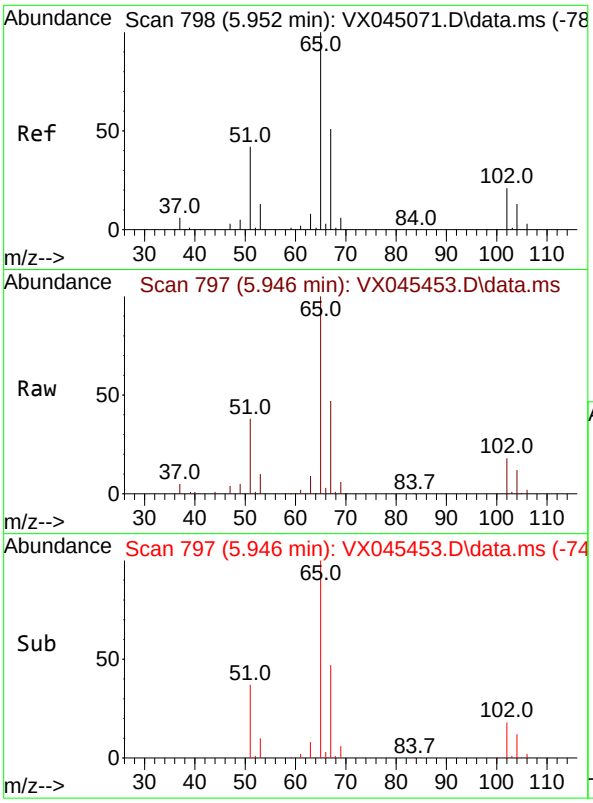


#32
1,1,1-Trichloroethane
Concen: 56.368 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX045453.D
Acq: 25 Mar 2025 20:14

Tgt Ion: 97 Resp: 84889

Ion	Ratio	Lower	Upper
97	100		
99	63.9	51.6	77.4
61	52.0	38.4	57.6

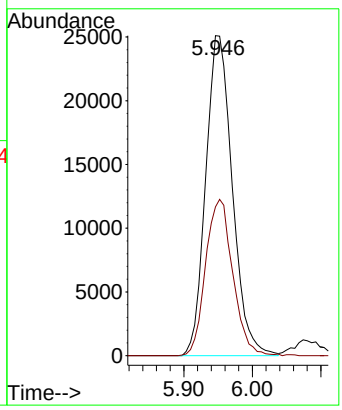




#33
1,2-Dichloroethane-d4
Concen: 56.661 ug/l
RT: 5.946 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045453.D
Acq: 25 Mar 2025 20:14

Tgt Ion: 65 Resp: 6784

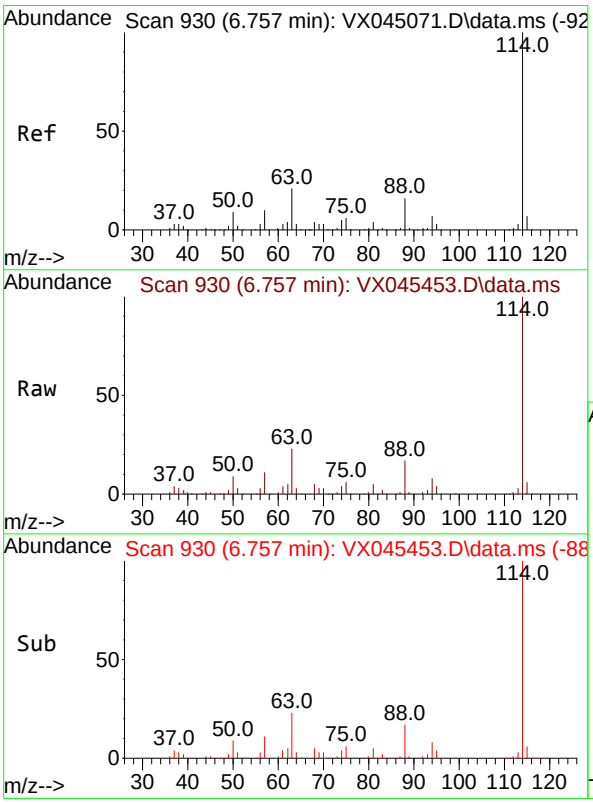
Ion	Ratio	Lower	Upper
65	100		
67	49.8	0.0	106.2



Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MS

Manual Integrations
APPROVED

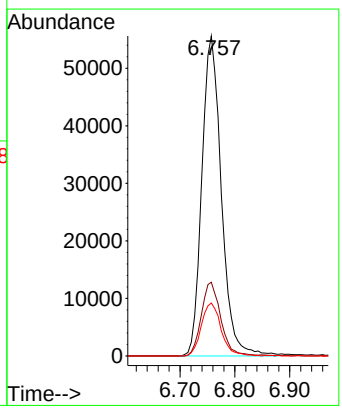
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

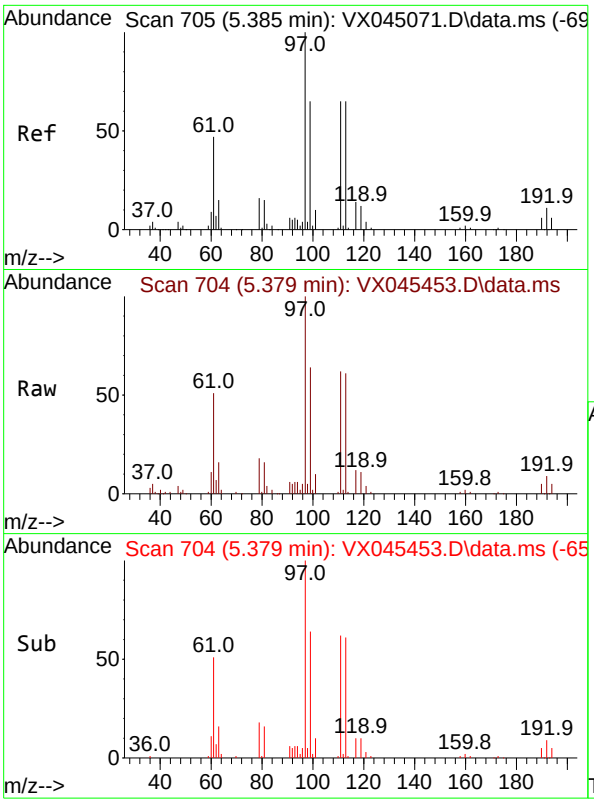


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX045453.D
Acq: 25 Mar 2025 20:14

Tgt Ion:114 Resp: 137526

Ion	Ratio	Lower	Upper
114	100		
63	23.0	0.0	41.8
88	16.6	0.0	32.8

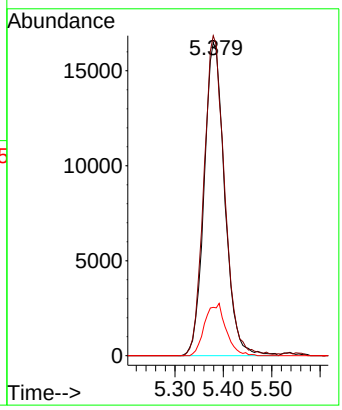




#35
Dibromofluoromethane
Concen: 52.894 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045453.D
Acq: 25 Mar 2025 20:14

Tgt Ion:113 Resp: 4864

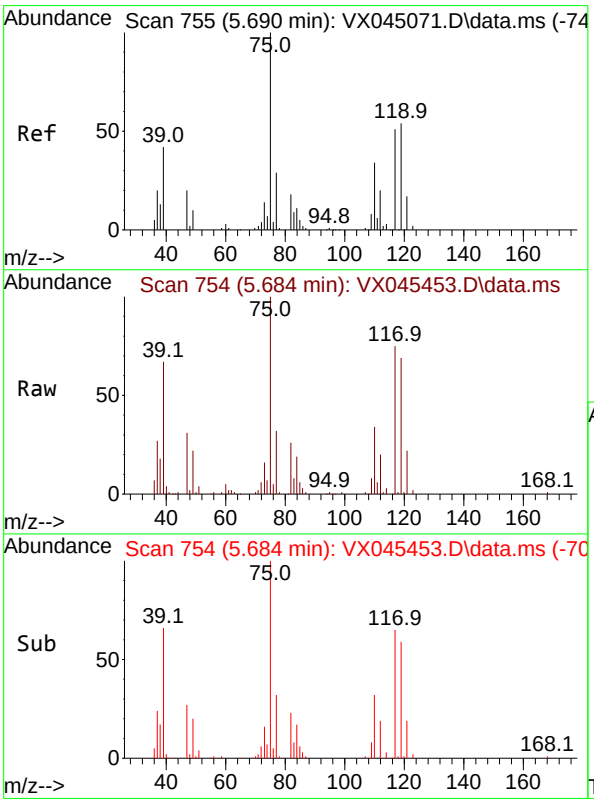
Ion	Ratio	Lower	Upper
113	100		
111	103.2	81.8	122.6
192	17.2	14.3	21.5



Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MS

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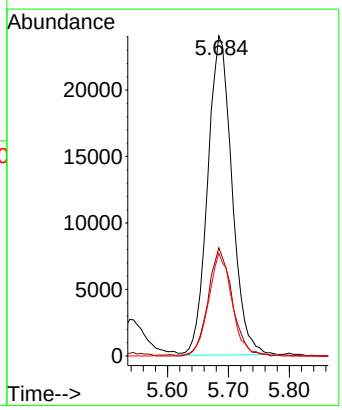
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

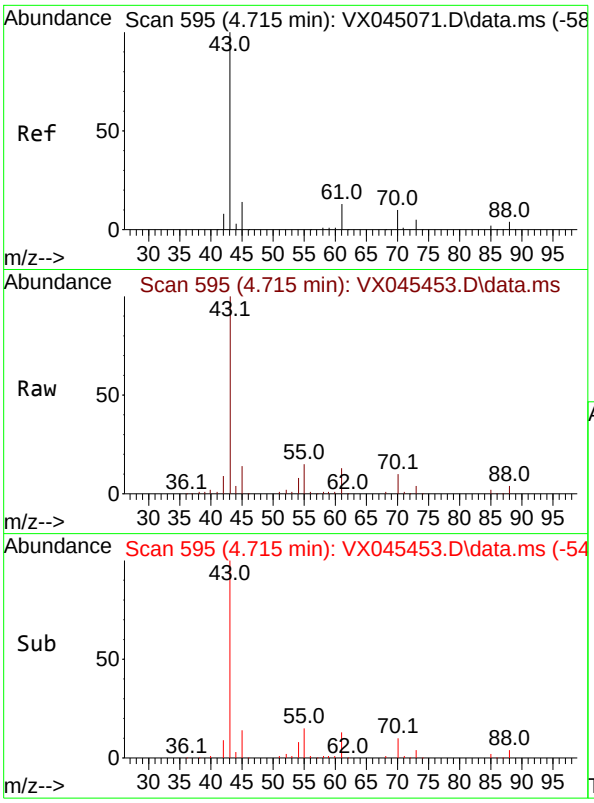


#36
1,1-Dichloropropene
Concen: 52.811 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX045453.D
Acq: 25 Mar 2025 20:14

Tgt Ion: 75 Resp: 66602

Ion	Ratio	Lower	Upper
75	100		
110	33.2	16.9	50.6
77	31.2	24.5	36.7

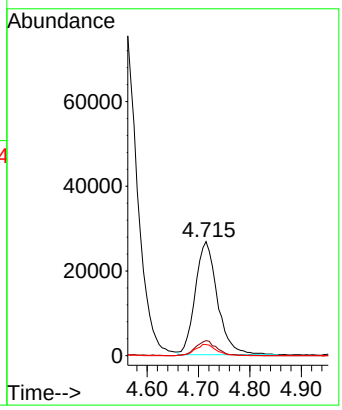




#37
Ethyl Acetate
Concen: 49.380 ug/l
RT: 4.715 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX045453.D
Acq: 25 Mar 2025 20:14

Tgt Ion: 43 Resp: 8024

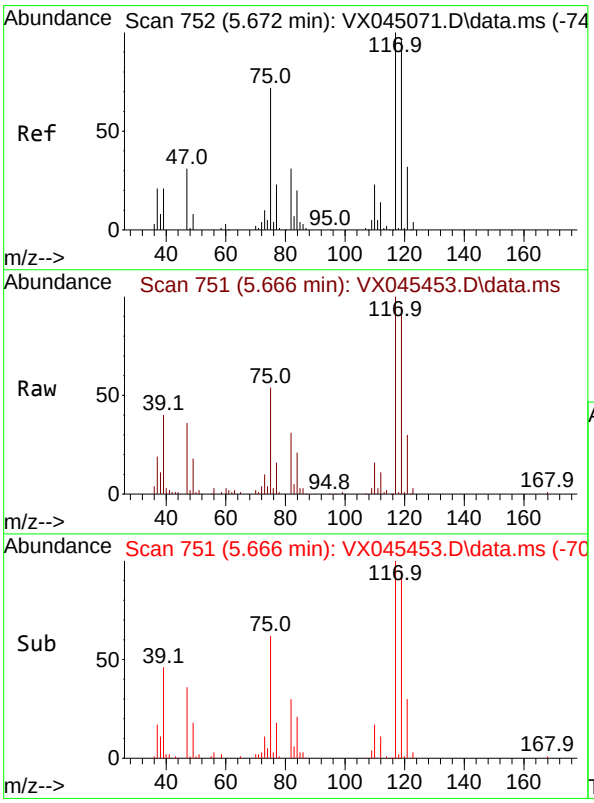
Ion	Ratio	Lower	Upper
43	100		
61	12.8	10.8	16.2
70	9.5	7.7	11.5



Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MS

Manual Integrations
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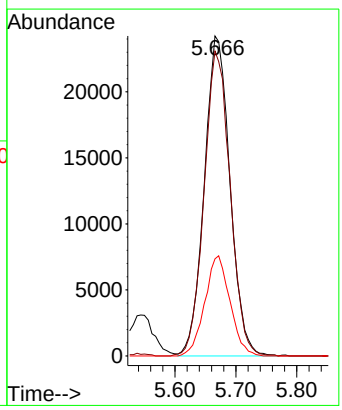
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

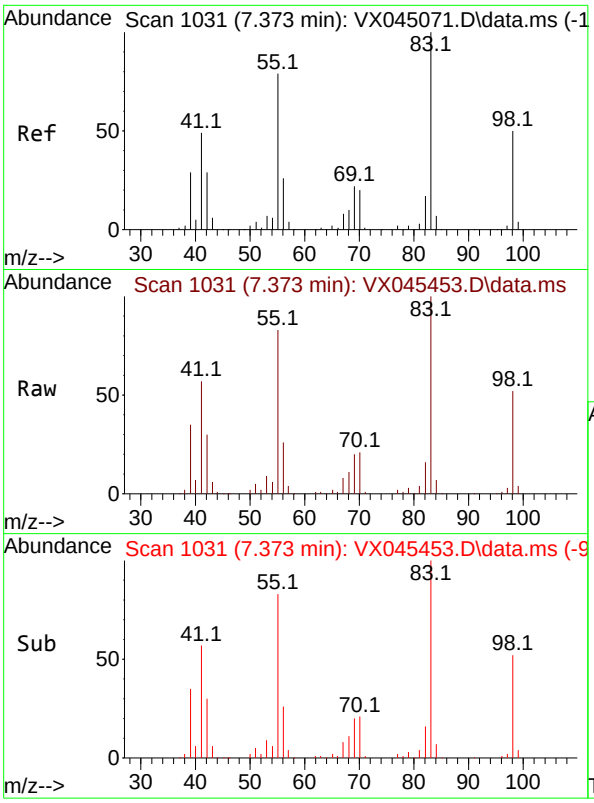


#38
Carbon Tetrachloride
Concen: 55.555 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX045453.D
Acq: 25 Mar 2025 20:14

Tgt Ion:117 Resp: 71130

Ion	Ratio	Lower	Upper
117	100		
119	95.2	76.7	115.1
121	30.4	25.5	38.3

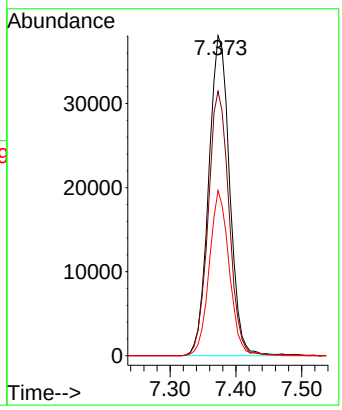




#39
Methylcyclohexane
Concen: 55.840 ug/l
RT: 7.373 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045453.D
Acq: 25 Mar 2025 20:14

Tgt Ion: 83 Resp: 8438

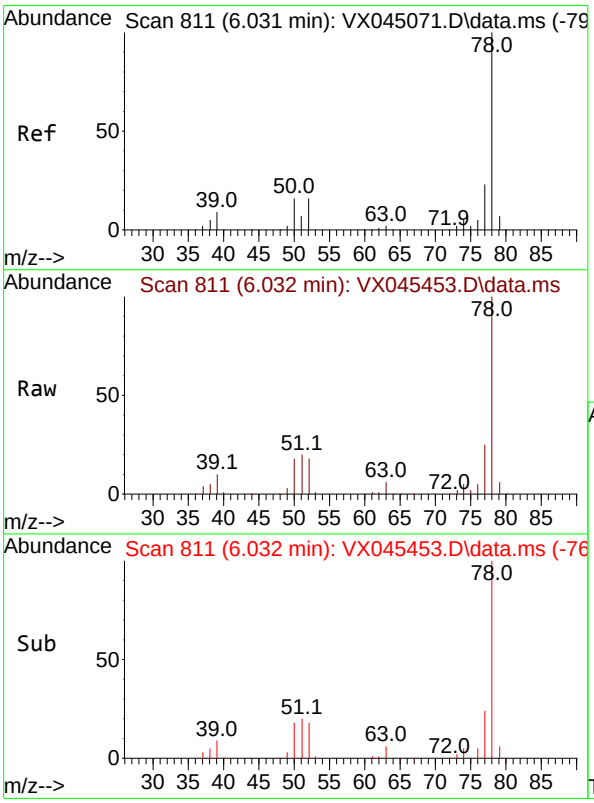
Ion	Ratio	Lower	Upper
83	100		
55	82.6	63.0	94.4
98	51.6	39.7	59.5



Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MS

Manual Integrations
APPROVED

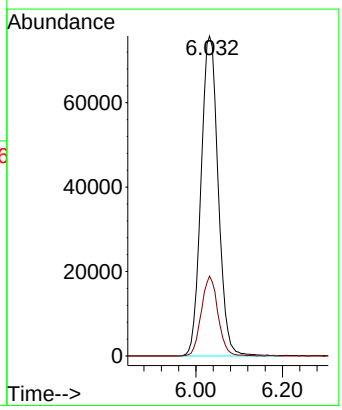
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

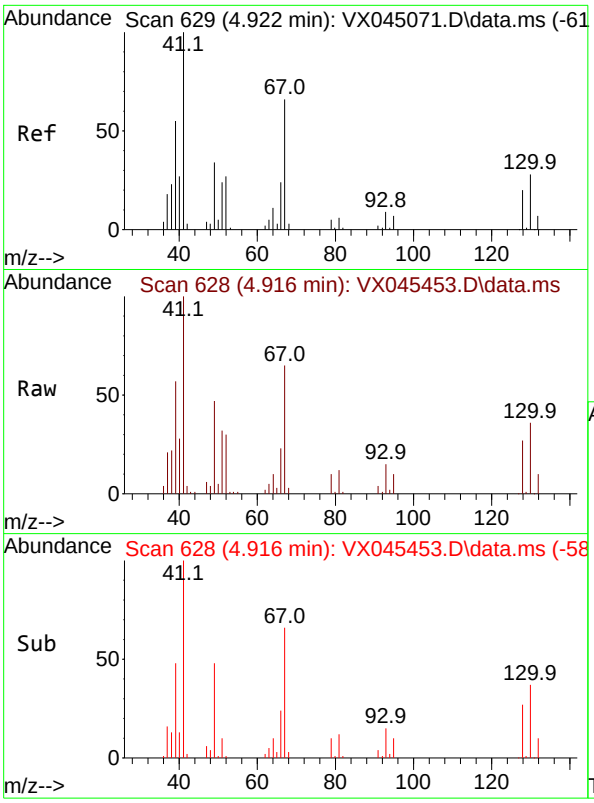


#40
Benzene
Concen: 52.266 ug/l
RT: 6.032 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX045453.D
Acq: 25 Mar 2025 20:14

Tgt Ion: 78 Resp: 208143

Ion	Ratio	Lower	Upper
78	100		
77	25.0	18.8	28.2

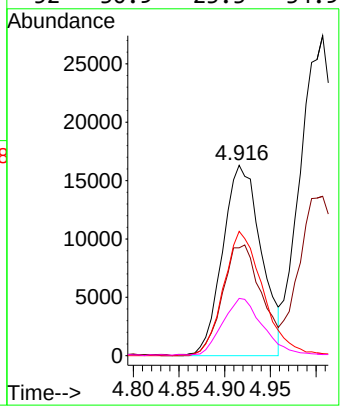




#41
Methacrylonitrile
Concen: 54.658 ug/l
RT: 4.916 min Scan# 6
Delta R.T. -0.006 min
Lab File: VX045453.D
Acq: 25 Mar 2025 20:14

Tgt Ion: 41 Resp: 4802

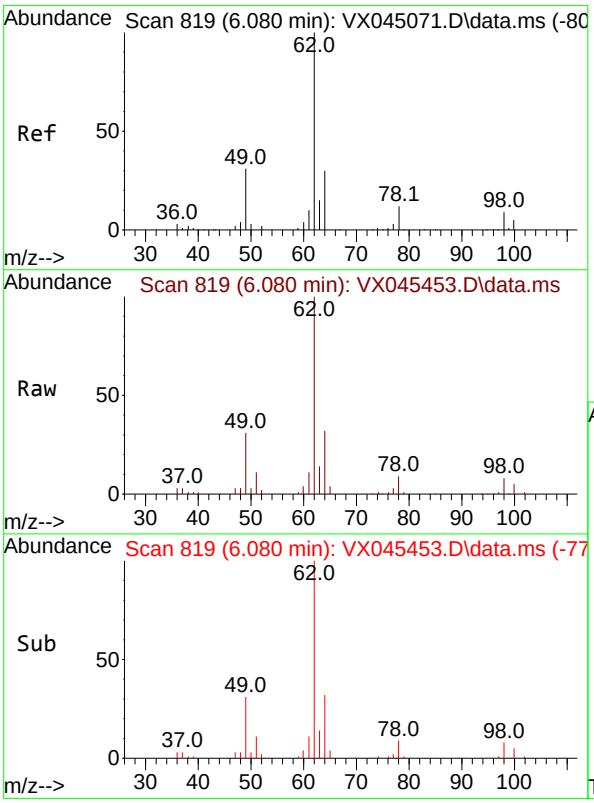
Ion	Ratio	Lower	Upper
41	100		
39	59.0	44.6	67.0
67	67.3	53.9	80.9
52	30.9	23.3	34.9



Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MS

Manual Integrations
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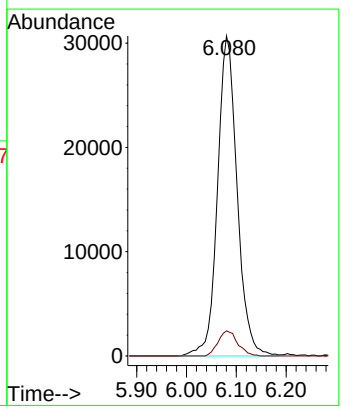
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

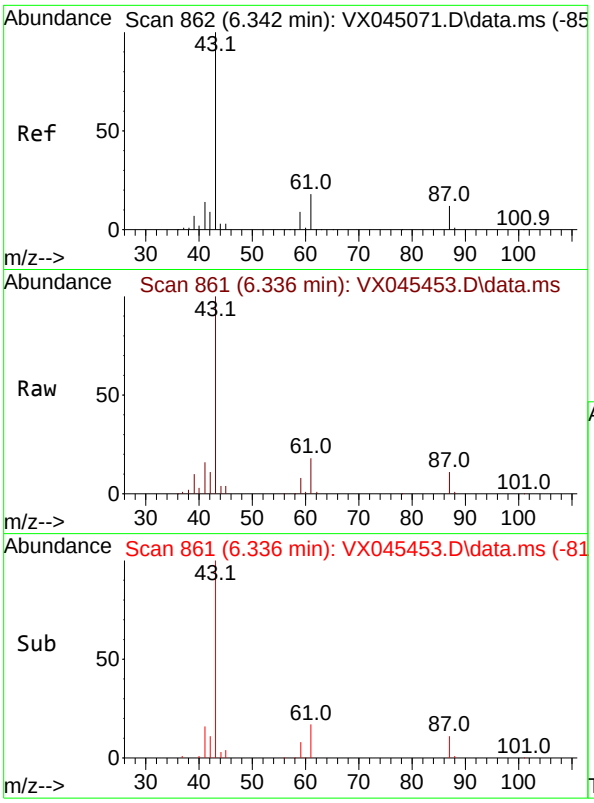


#42
1,2-Dichloroethane
Concen: 58.431 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.000 min
Lab File: VX045453.D
Acq: 25 Mar 2025 20:14

Tgt Ion: 62 Resp: 83793

Ion	Ratio	Lower	Upper
62	100		
98	7.8	0.0	18.2

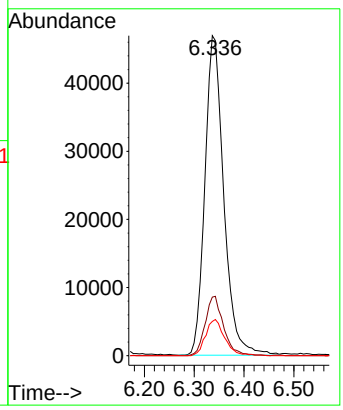




#43
Isopropyl Acetate
Concen: 51.396 ug/l
RT: 6.336 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX045453.D
Acq: 25 Mar 2025 20:14

Tgt Ion: 43 Resp: 12350

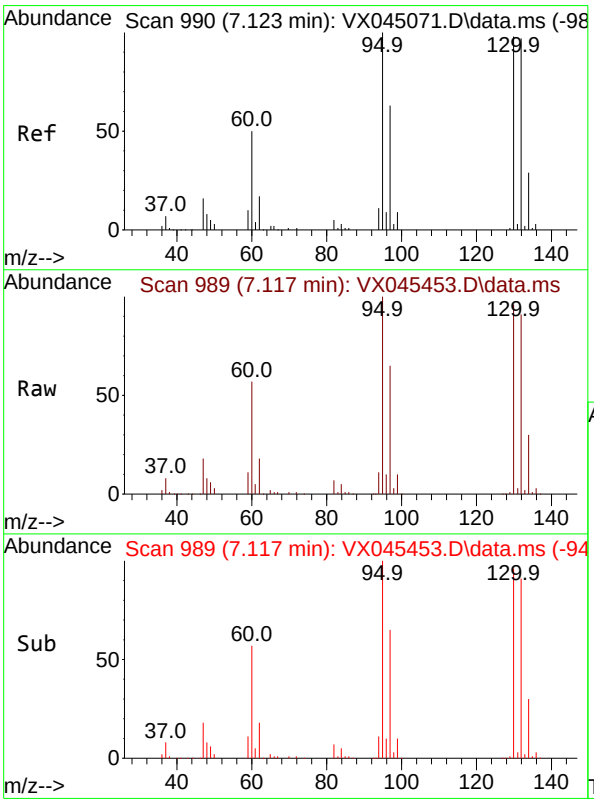
Ion	Ratio	Lower	Upper
43	100		
61	18.0	14.9	22.3
87	11.4	9.4	14.2



Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MS

Manual Integrations
APPROVED

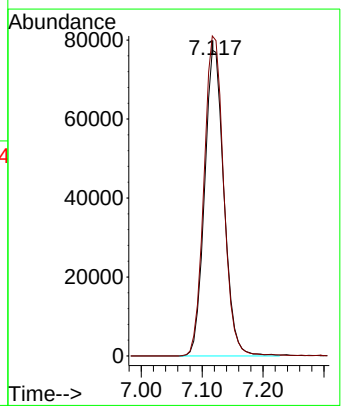
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

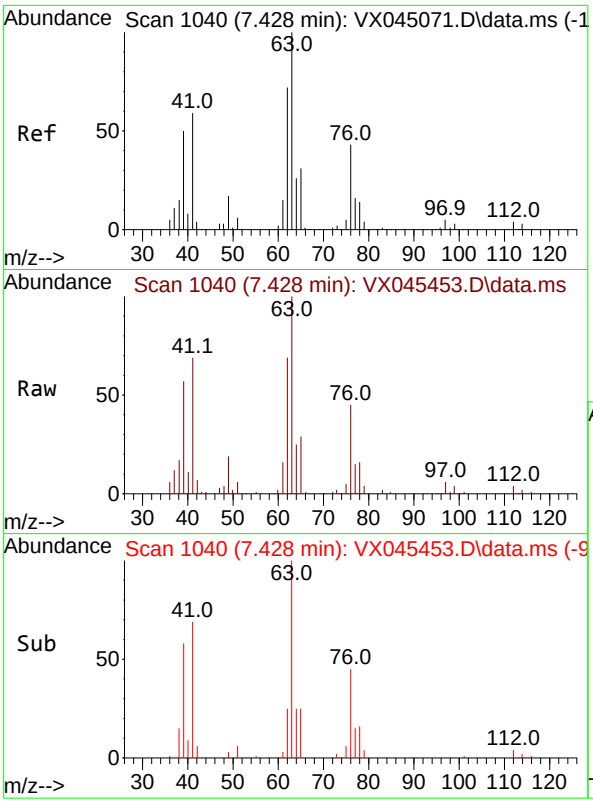


#44
Trichloroethene
Concen: 183.571 ug/l
RT: 7.117 min Scan# 989
Delta R.T. -0.006 min
Lab File: VX045453.D
Acq: 25 Mar 2025 20:14

Tgt Ion:130 Resp: 171657

Ion	Ratio	Lower	Upper
130	100		
95	104.7	0.0	205.0

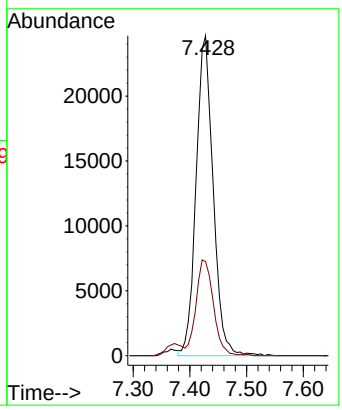




#45
1,2-Dichloropropane
Concen: 50.352 ug/l
RT: 7.428 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045453.D
Acq: 25 Mar 2025 20:14

Tgt Ion: 63 Resp: 5155

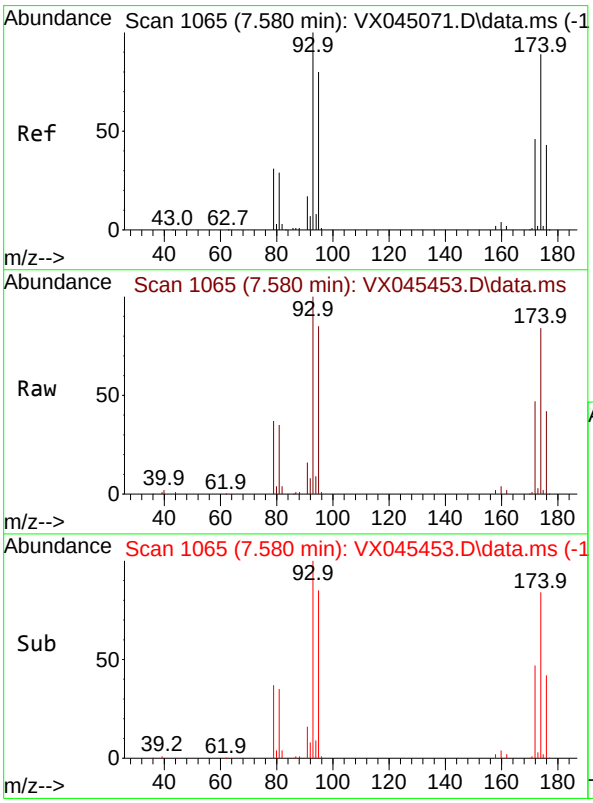
Ion	Ratio	Lower	Upper
63	100		
65	29.4	24.7	37.1



Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MS

Manual Integrations
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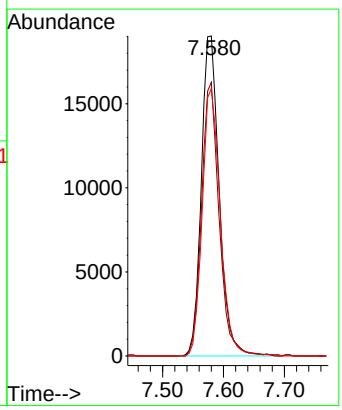
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

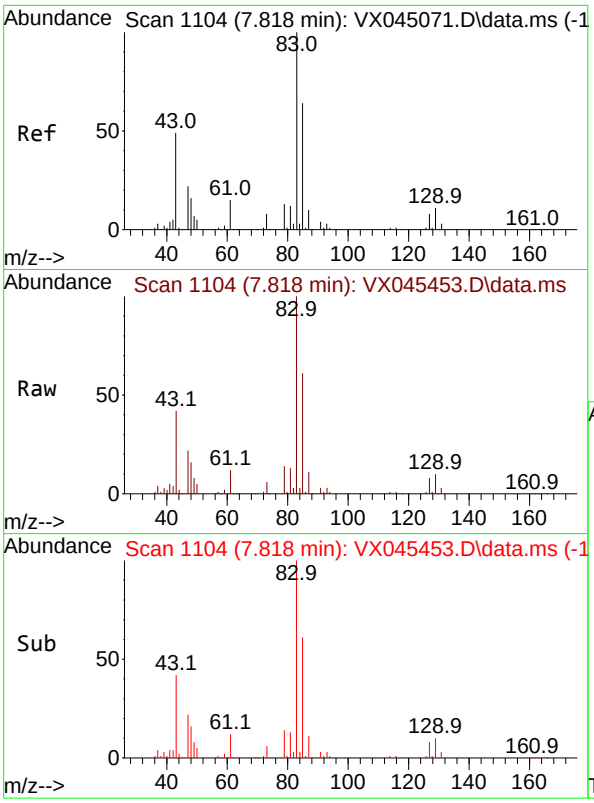


#46
Dibromomethane
Concen: 53.727 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. 0.000 min
Lab File: VX045453.D
Acq: 25 Mar 2025 20:14

Tgt Ion: 93 Resp: 38883

Ion	Ratio	Lower	Upper
93	100		
95	83.9	65.8	98.8
174	84.8	72.2	108.2

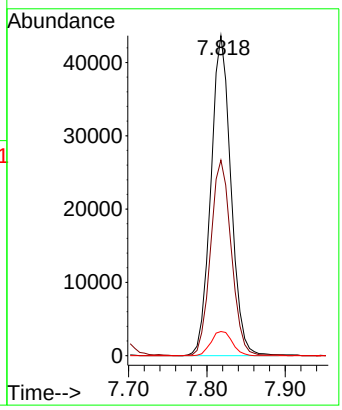




#47
Bromodichloromethane
Concen: 54.707 ug/l
RT: 7.818 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX045453.D
Acq: 25 Mar 2025 20:14

Tgt Ion: 83 Resp: 7765

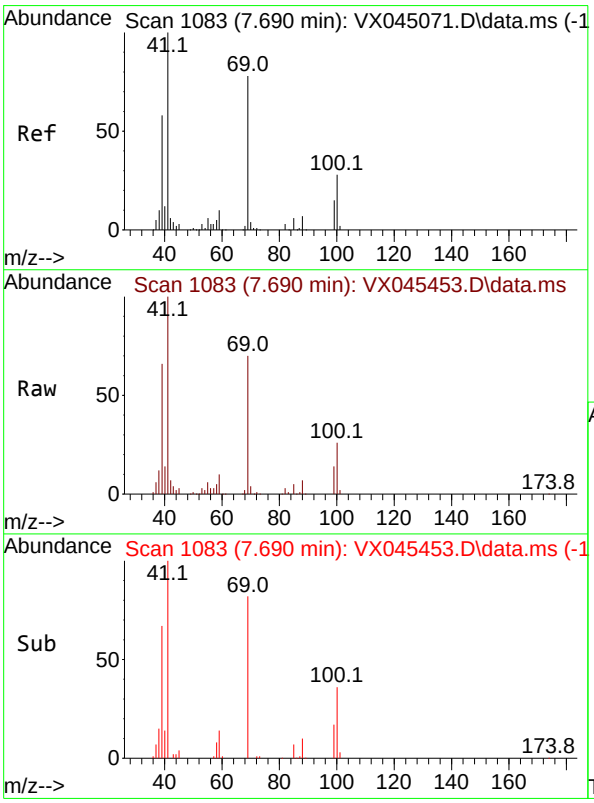
Ion	Ratio	Lower	Upper
83	100		
85	61.1	51.1	76.7
127	7.6	6.4	9.6



Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MS

Manual Integrations
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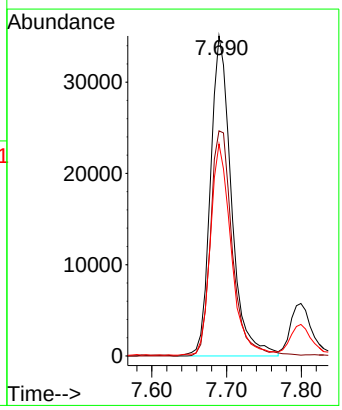
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

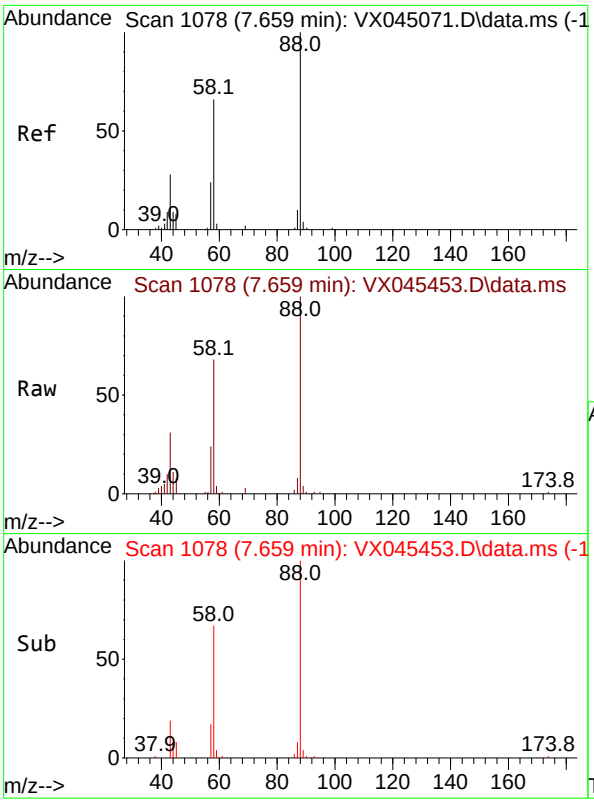


#48
Methyl methacrylate
Concen: 56.583 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.000 min
Lab File: VX045453.D
Acq: 25 Mar 2025 20:14

Tgt Ion: 41 Resp: 68214

Ion	Ratio	Lower	Upper
41	100		
69	73.5	63.0	94.6
39	65.6	47.5	71.3

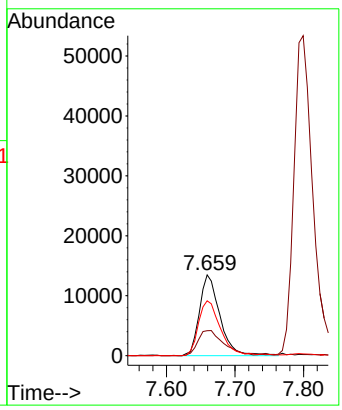




#49
1,4-Dioxane
Concen: 1102.003 ug/l
RT: 7.659 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045453.D
Acq: 25 Mar 2025 20:14

Tgt Ion: 88 Resp: 2802

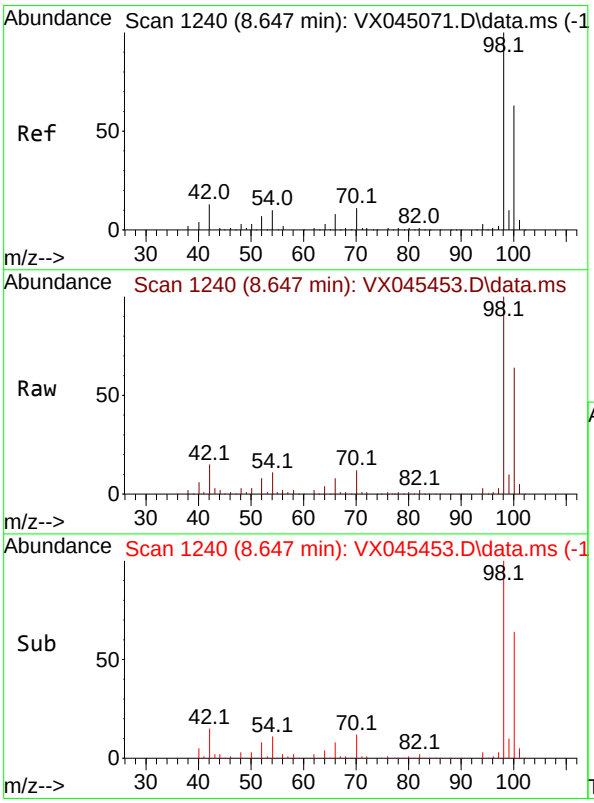
Ion	Ratio	Lower	Upper
88	100		
43	39.3	28.7	43.1
58	72.2	55.8	83.8



Instrument :
MSVOA_X
ClientSampleId :
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Manual Integrations
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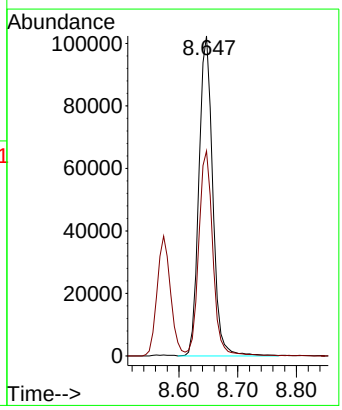
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

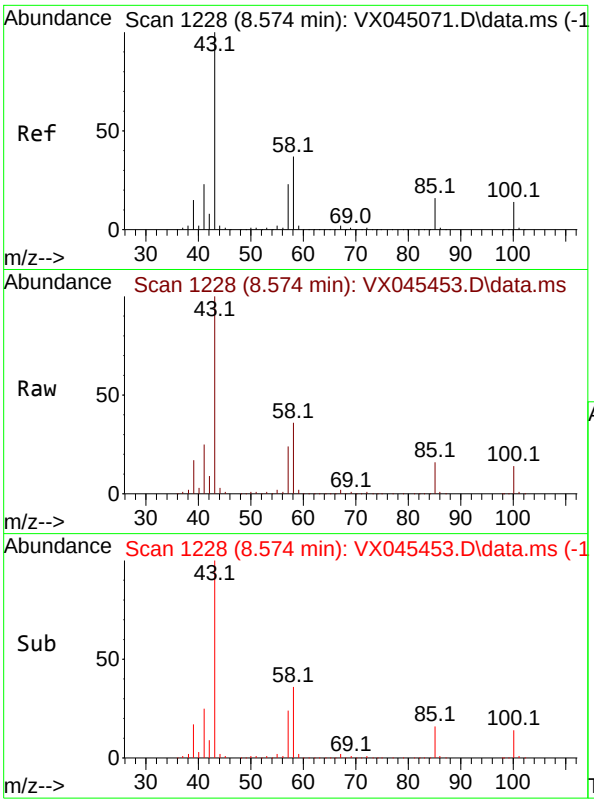


#50
Toluene-d8
Concen: 50.072 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX045453.D
Acq: 25 Mar 2025 20:14

Tgt Ion: 98 Resp: 166935

Ion	Ratio	Lower	Upper
98	100		
100	64.9	52.0	78.0

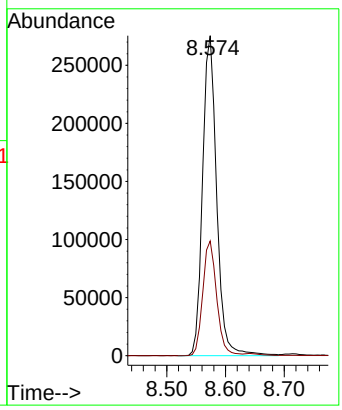




#51
4-Methyl-2-Pentanone
Concen: 284.768 ug/l
RT: 8.574 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045453.D
Acq: 25 Mar 2025 20:14

Tgt Ion: 43 Resp: 45946

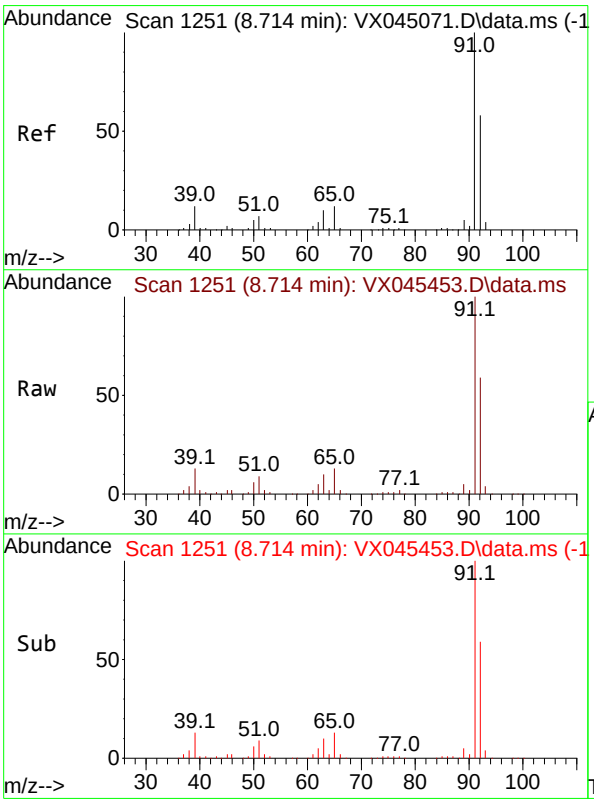
Ion	Ratio	Lower	Upper
43	100		
58	35.4	29.2	43.8



Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MS

Manual Integrations APPROVED

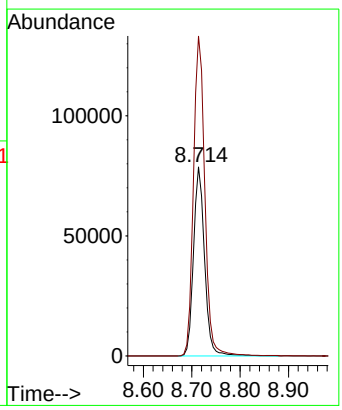
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

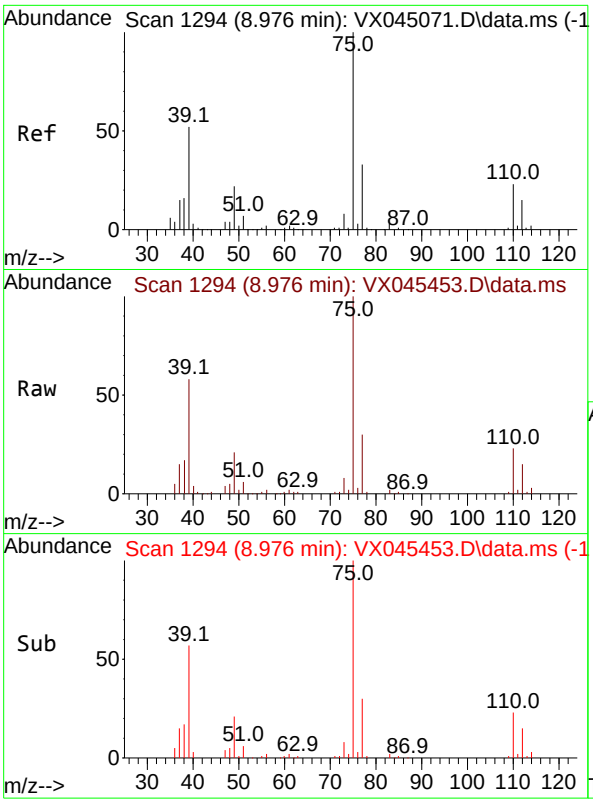


#52
Toluene
Concen: 53.425 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX045453.D
Acq: 25 Mar 2025 20:14

Tgt Ion: 92 Resp: 124829

Ion	Ratio	Lower	Upper
92	100		
91	173.7	138.9	208.3

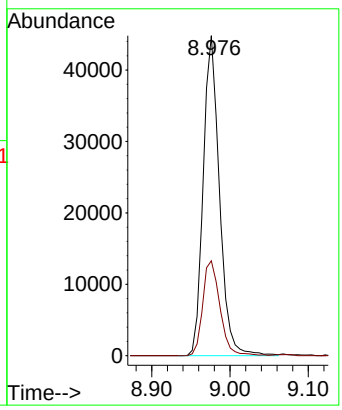




#53
t-1,3-Dichloropropene
Concen: 54.408 ug/l
RT: 8.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045453.D
Acq: 25 Mar 2025 20:14

Tgt Ion: 75 Resp: 6456

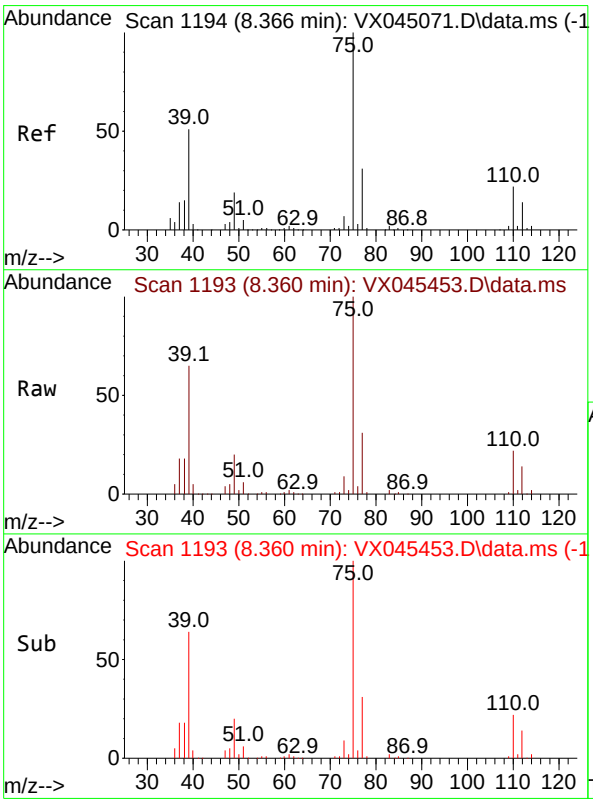
Ion	Ratio	Lower	Upper
75	100		
77	29.7	26.5	39.7



Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MS

Manual Integrations
APPROVED

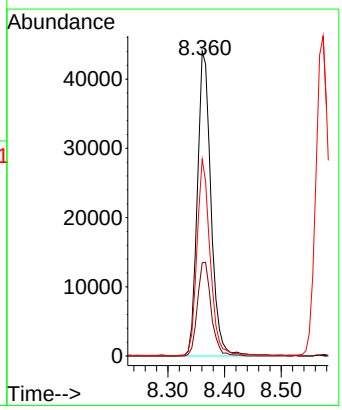
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

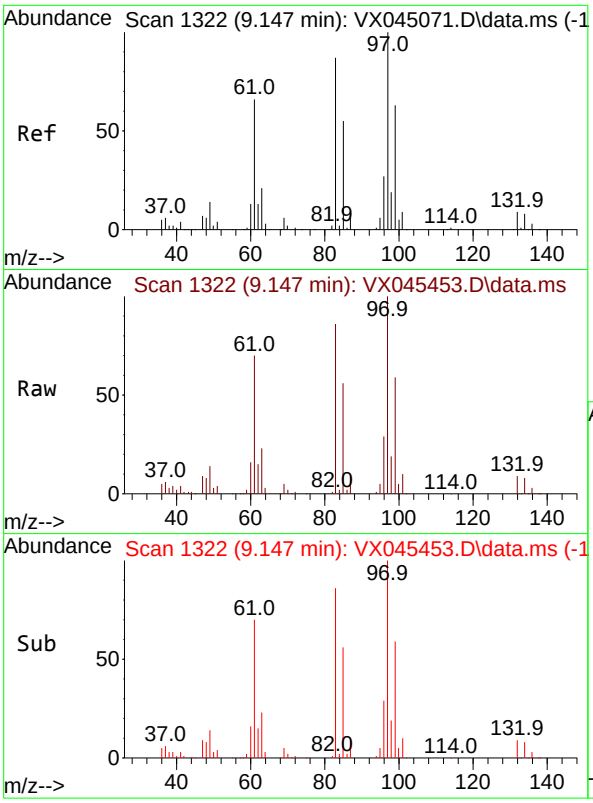


#54
cis-1,3-Dichloropropene
Concen: 53.063 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. -0.006 min
Lab File: VX045453.D
Acq: 25 Mar 2025 20:14

Tgt Ion: 75 Resp: 73432

Ion	Ratio	Lower	Upper
75	100		
77	30.6	24.7	37.1
39	64.4	40.7	61.1#

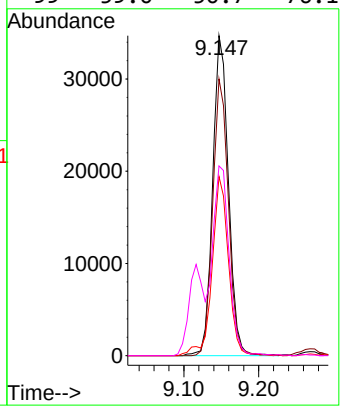




#55
1,1,2-Trichloroethane
Concen: 52.881 ug/l
RT: 9.147 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045453.D
Acq: 25 Mar 2025 20:14

Tgt Ion: 97 Resp: 5086

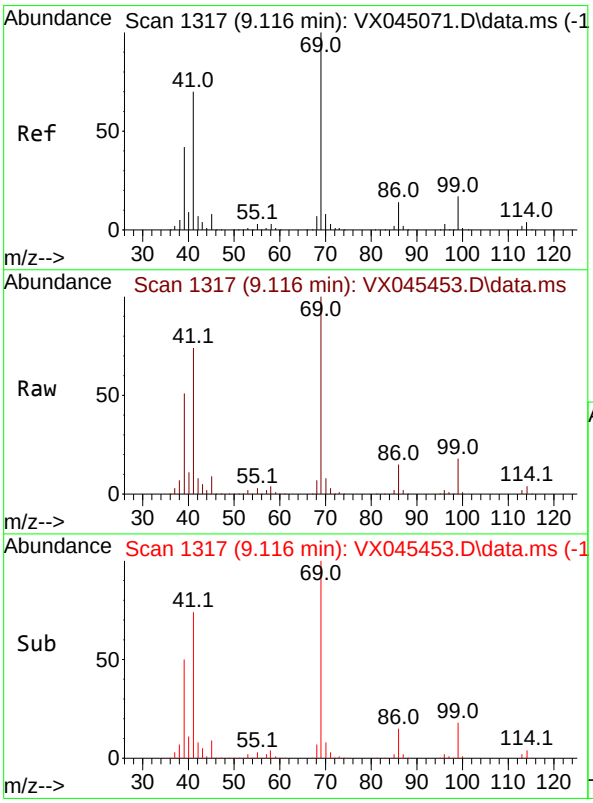
Ion	Ratio	Lower	Upper
97	100		
83	86.5	69.4	104.2
85	56.0	44.1	66.1
99	59.0	50.7	76.1



Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MS

Manual Integrations
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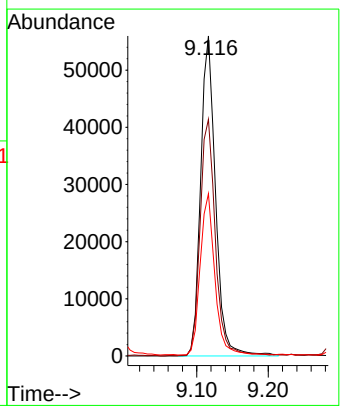
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

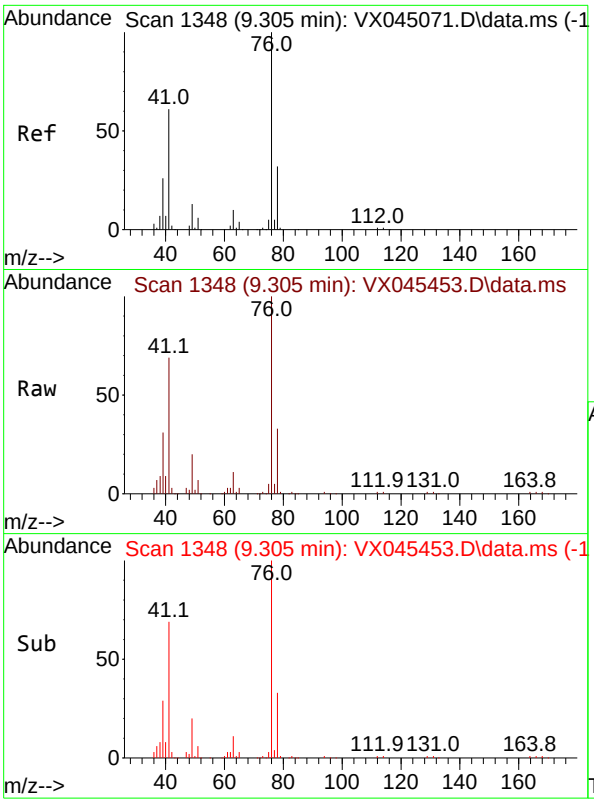


#56
Ethyl methacrylate
Concen: 55.542 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX045453.D
Acq: 25 Mar 2025 20:14

Tgt Ion: 69 Resp: 81211

Ion	Ratio	Lower	Upper
69	100		
41	76.1	57.0	85.4
39	49.5	34.2	51.4

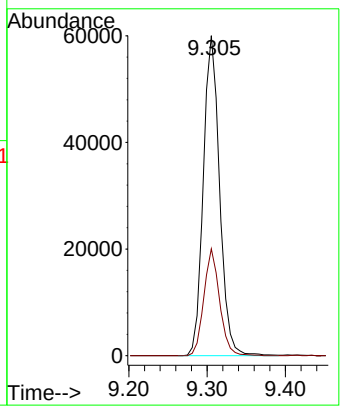




#57
1,3-Dichloropropane
Concen: 52.026 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045453.D
Acq: 25 Mar 2025 20:14

Tgt Ion: 76 Resp: 8660

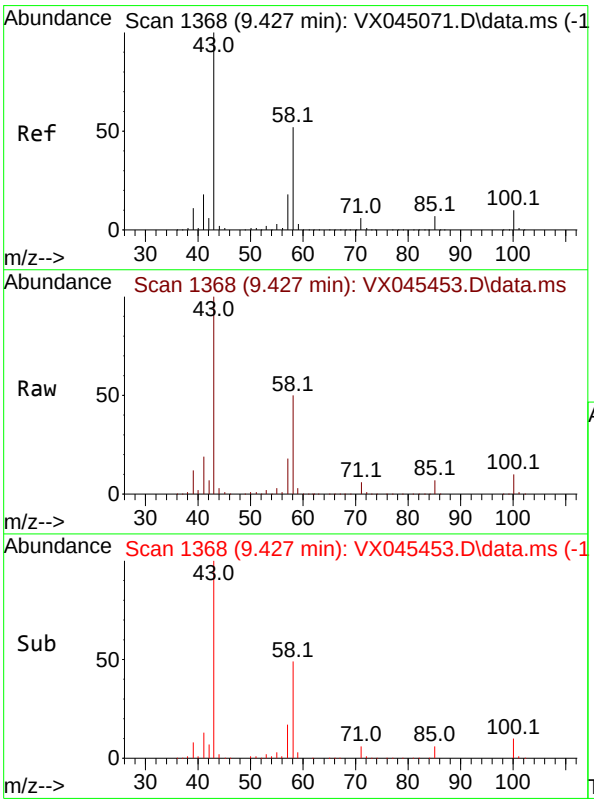
Ion	Ratio	Lower	Upper
76	100		
78	32.2	25.5	38.3



Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MS

Manual Integrations
APPROVED

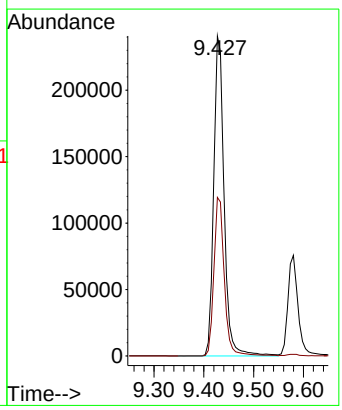
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

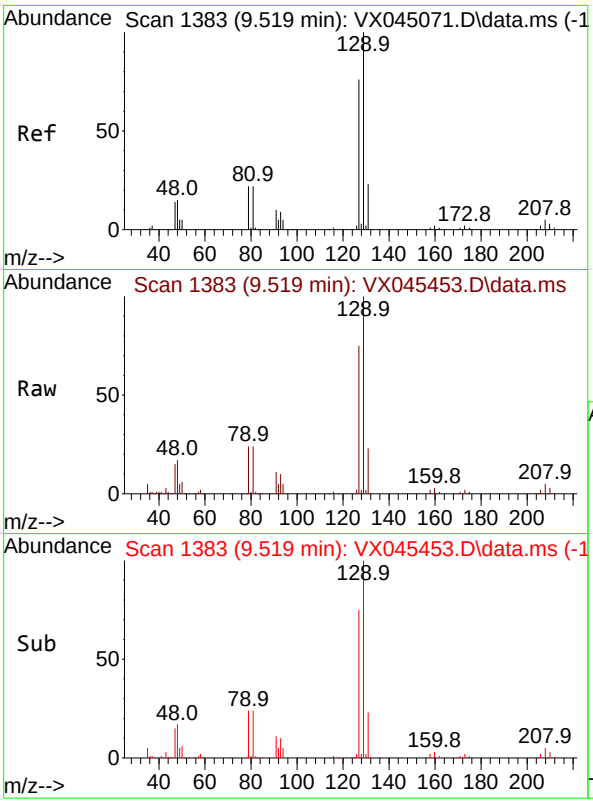


#59
2-Hexanone
Concen: 297.997 ug/l
RT: 9.427 min Scan# 1368
Delta R.T. 0.000 min
Lab File: VX045453.D
Acq: 25 Mar 2025 20:14

Tgt Ion: 43 Resp: 348369

Ion	Ratio	Lower	Upper
43	100		
58	49.7	25.9	77.6

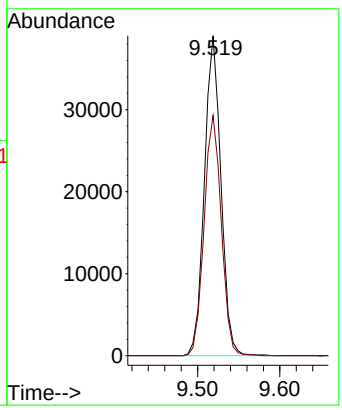




#60
Dibromochloromethane
Concen: 54.132 ug/l
RT: 9.519 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045453.D
Acq: 25 Mar 2025 20:14

Tgt Ion:129 Resp: 5444

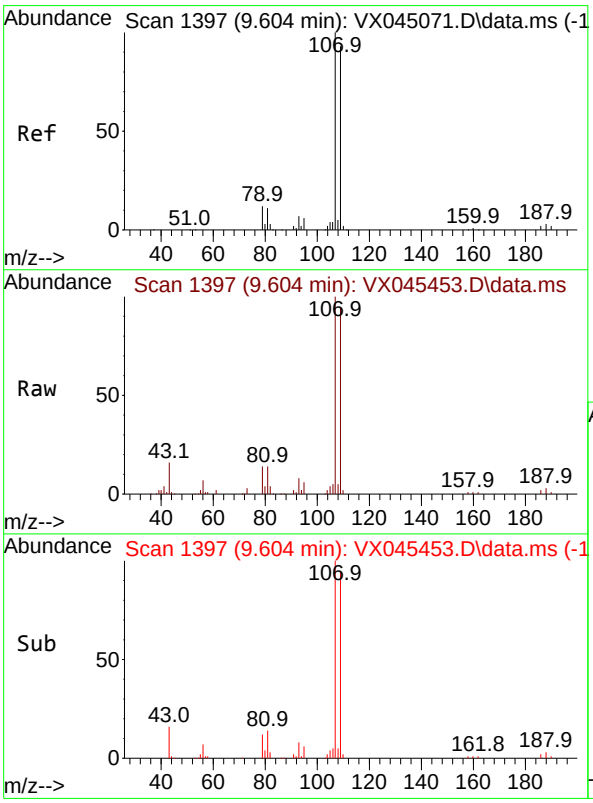
Ion	Ratio	Lower	Upper
129	100		
127	78.0	38.5	115.5



Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MS

Manual Integrations
APPROVED

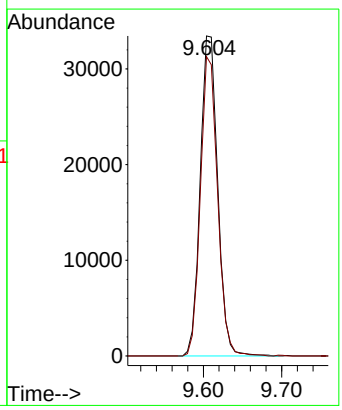
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

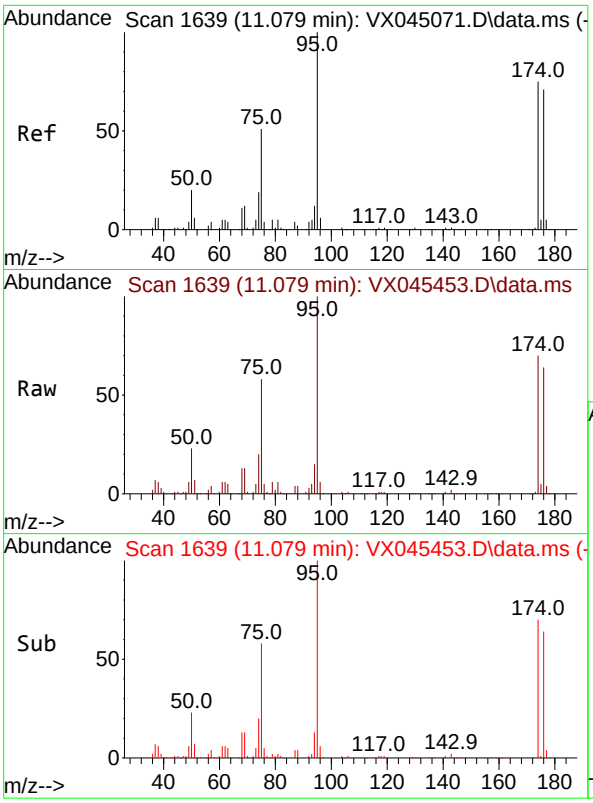


#61
1,2-Dibromoethane
Concen: 53.837 ug/l
RT: 9.604 min Scan# 1397
Delta R.T. 0.000 min
Lab File: VX045453.D
Acq: 25 Mar 2025 20:14

Tgt Ion:107 Resp: 51698

Ion	Ratio	Lower	Upper
107	100		
109	92.2	76.1	114.1

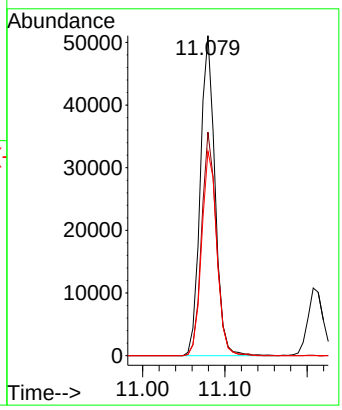




#62
4-Bromofluorobenzene
Concen: 57.430 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045453.D
Acq: 25 Mar 2025 20:14

Tgt Ion: 95 Resp: 6344

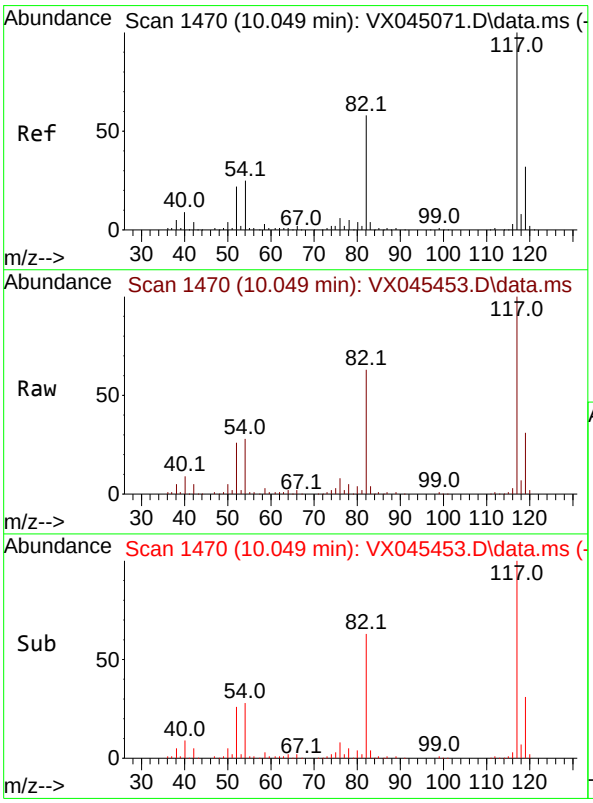
Ion	Ratio	Lower	Upper
95	100		
174	70.0	0.0	148.2
176	65.7	0.0	141.4



Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MS

Manual Integrations
APPROVED

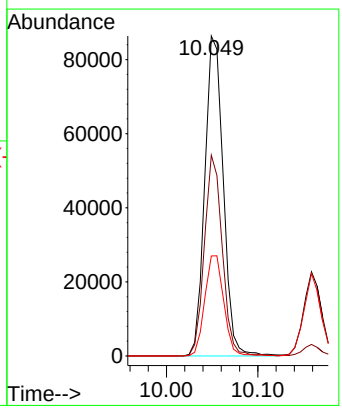
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

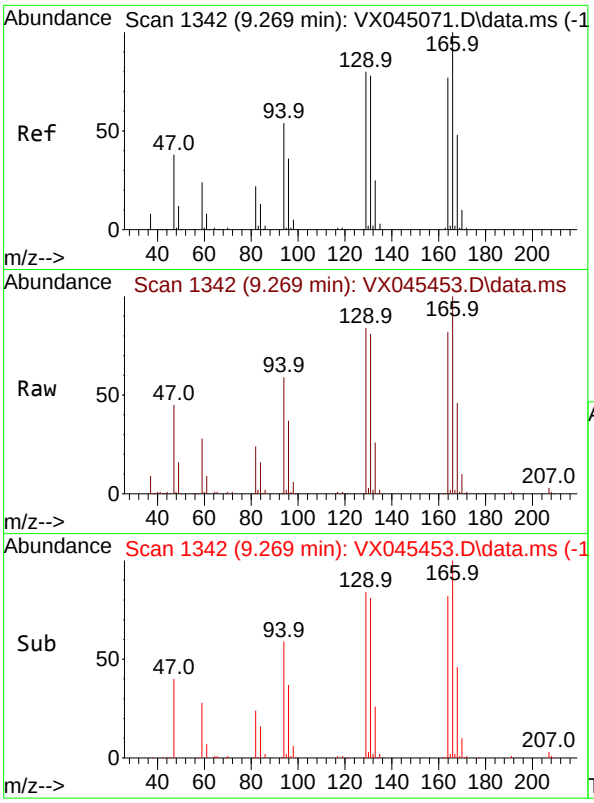


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX045453.D
Acq: 25 Mar 2025 20:14

Tgt Ion:117 Resp: 121362

Ion	Ratio	Lower	Upper
117	100		
82	62.8	46.3	69.5
119	31.2	25.7	38.5

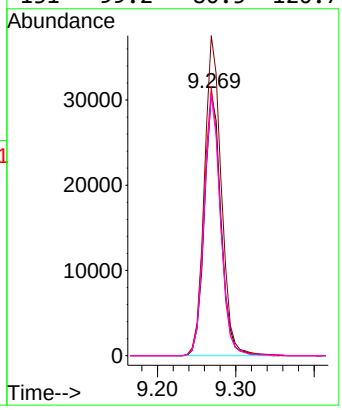




#64
Tetrachloroethene
Concen: 58.224 ug/l
RT: 9.269 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045453.D
Acq: 25 Mar 2025 20:14

Tgt Ion:164 Resp: 4525

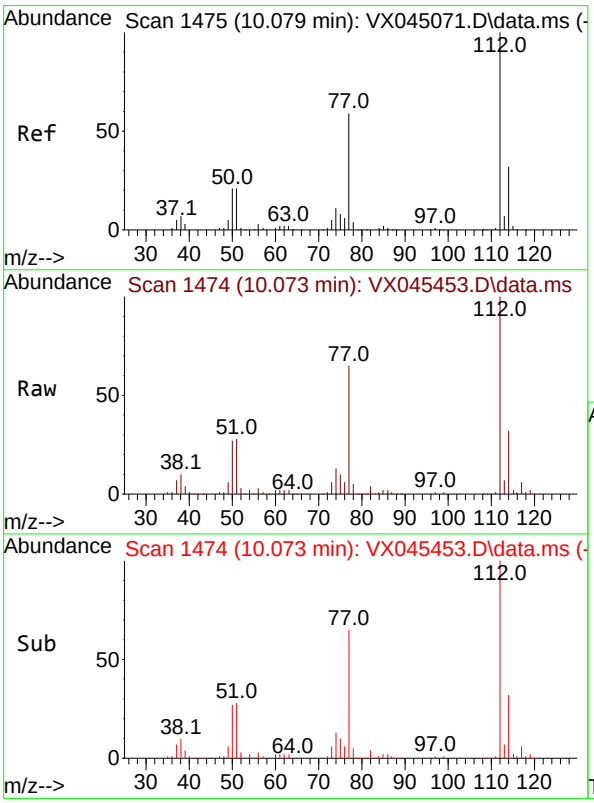
Ion	Ratio	Lower	Upper
164	100		
166	121.9	103.6	155.4
129	102.1	82.7	124.1
131	99.2	80.5	120.7



Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MS

Manual Integrations
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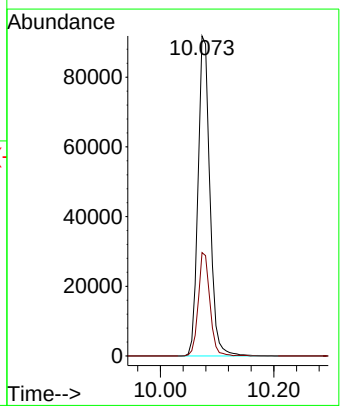
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

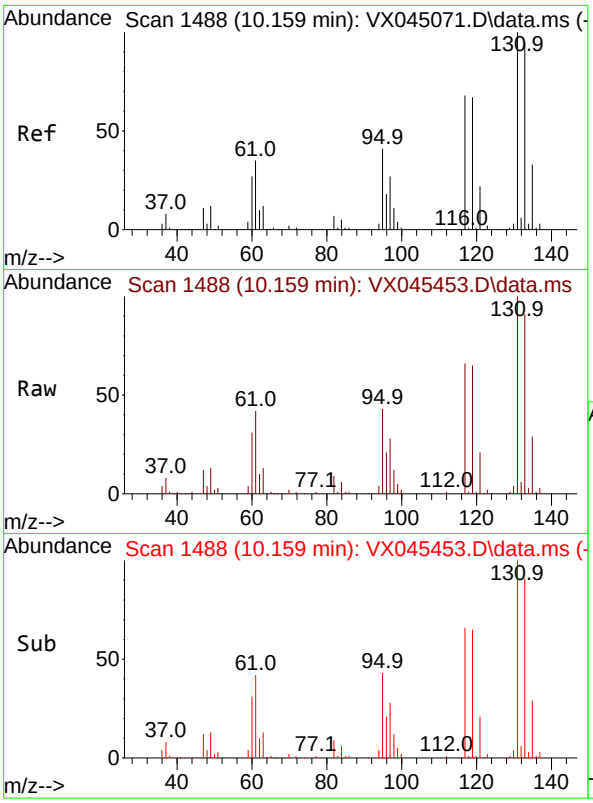


#65
Chlorobenzene
Concen: 51.820 ug/l
RT: 10.073 min Scan# 1474
Delta R.T. -0.006 min
Lab File: VX045453.D
Acq: 25 Mar 2025 20:14

Tgt Ion:112 Resp: 133074

Ion	Ratio	Lower	Upper
112	100		
114	32.3	26.0	39.0

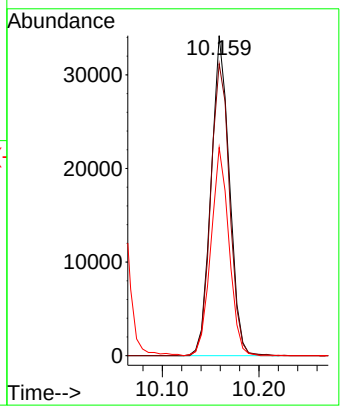




#66
1,1,1,2-Tetrachloroethane
Concen: 52.584 ug/l
RT: 10.159 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045453.D
Acq: 25 Mar 2025 20:14

Tgt Ion:131 Resp: 4497

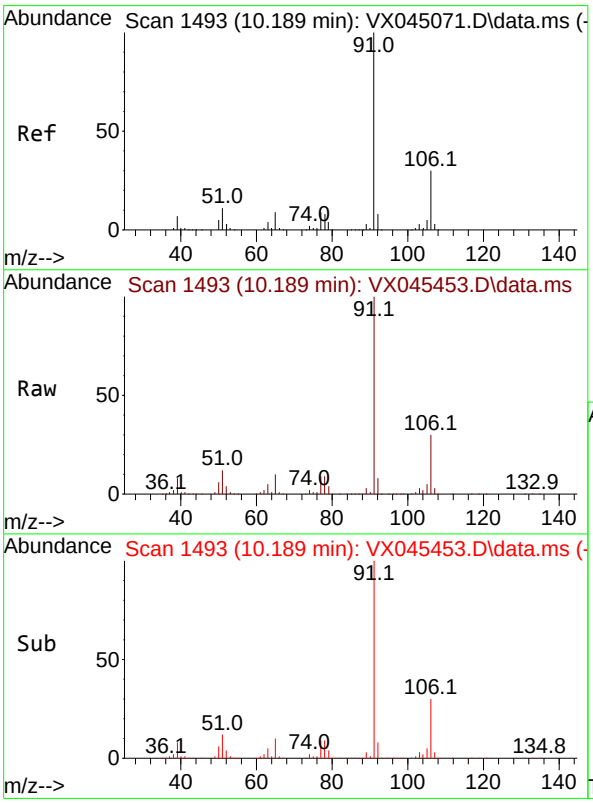
Ion	Ratio	Lower	Upper
131	100		
133	94.3	48.6	145.9
119	64.1	33.9	101.7



Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MS

Manual Integrations
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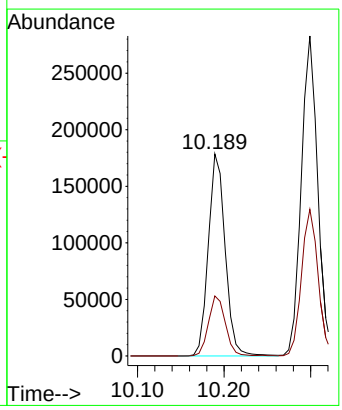
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

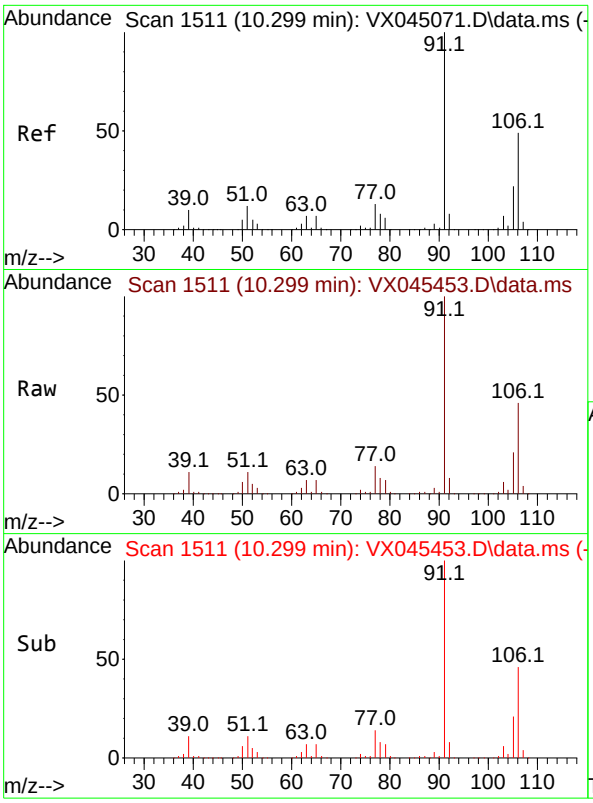


#67
Ethyl Benzene
Concen: 53.955 ug/l
RT: 10.189 min Scan# 1493
Delta R.T. 0.000 min
Lab File: VX045453.D
Acq: 25 Mar 2025 20:14

Tgt Ion: 91 Resp: 241425

Ion	Ratio	Lower	Upper
91	100		
106	29.7	23.9	35.9





#68
m/p-Xylenes
Concen: 106.504 ug/l
RT: 10.299 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045453.D
Acq: 25 Mar 2025 20:14

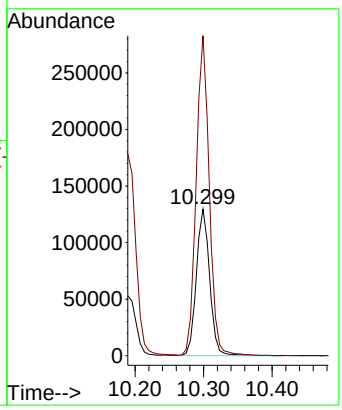
Tgt Ion:106 Resp: 17445

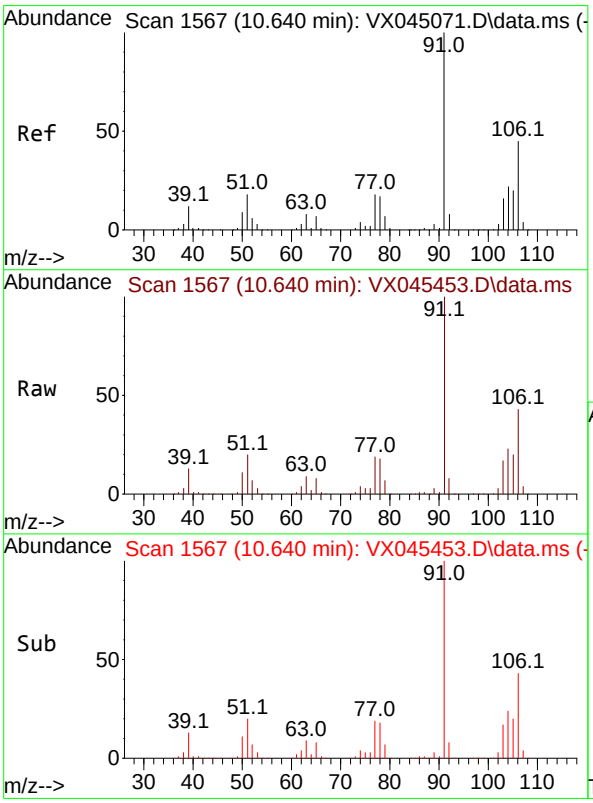
Ion	Ratio	Lower	Upper
106	100		
91	215.7	165.4	248.0

Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MS

Manual Integrations
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Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

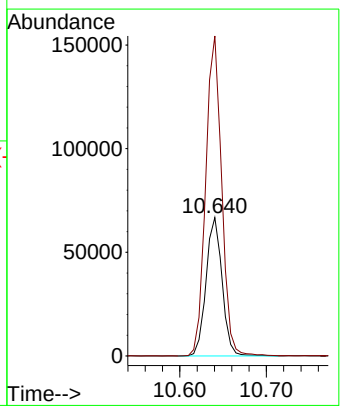


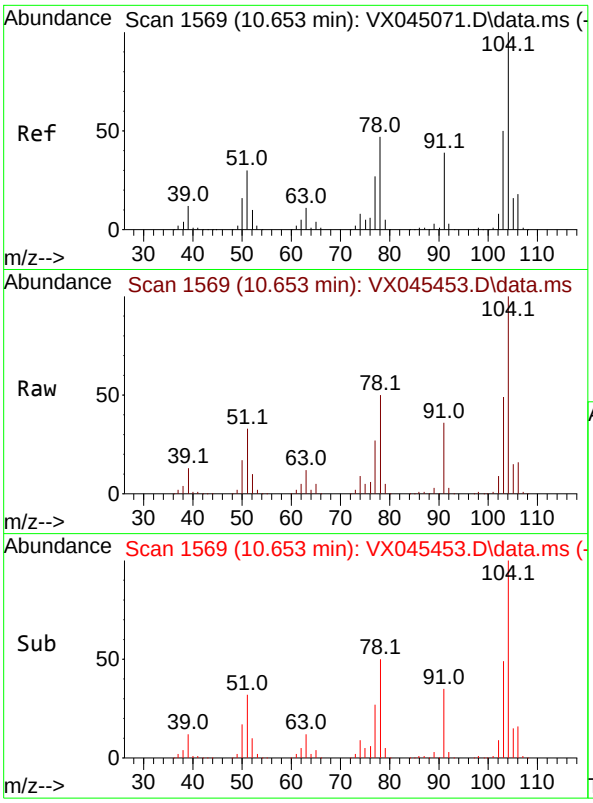


#69
o-Xylene
Concen: 51.970 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX045453.D
Acq: 25 Mar 2025 20:14

Tgt Ion:106 Resp: 85858

Ion	Ratio	Lower	Upper
106	100		
91	230.7	109.9	329.6

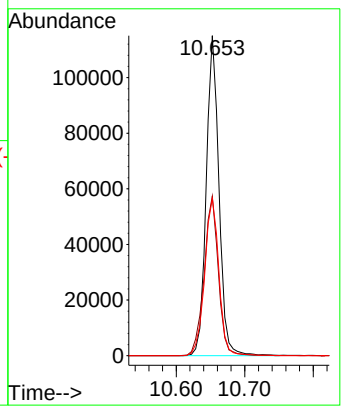




#70
Styrene
Concen: 55.720 ug/l
RT: 10.653 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045453.D
Acq: 25 Mar 2025 20:14

Tgt Ion:104 Resp: 14894

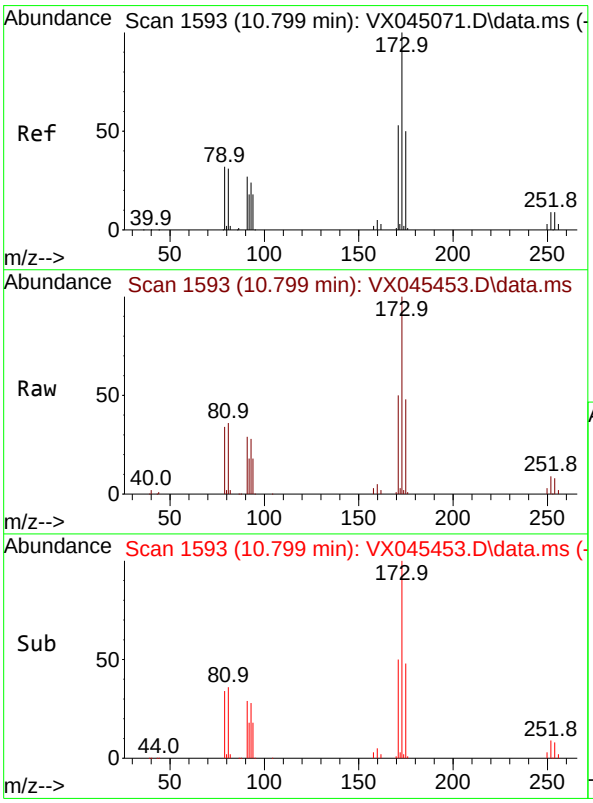
Ion	Ratio	Lower	Upper
104	100		
78	56.1	42.2	63.4
103	55.0	43.8	65.8



Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MS

Manual Integrations
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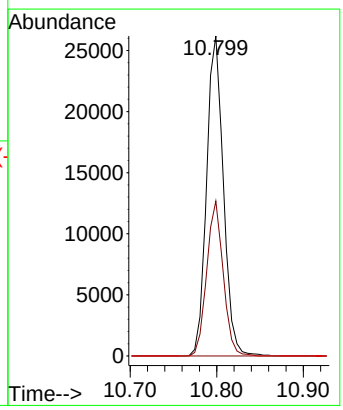
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

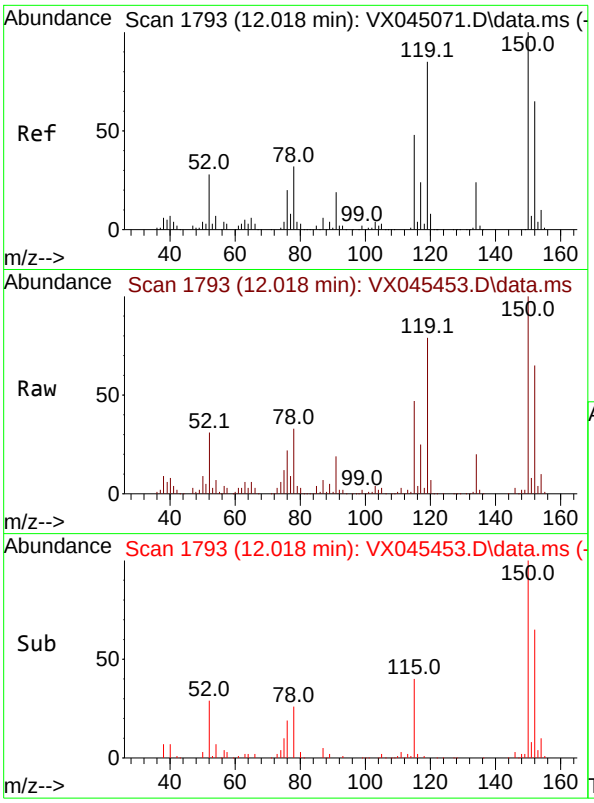


#71
Bromoform
Concen: 54.659 ug/l
RT: 10.799 min Scan# 1593
Delta R.T. 0.000 min
Lab File: VX045453.D
Acq: 25 Mar 2025 20:14

Tgt Ion:173 Resp: 35249

Ion	Ratio	Lower	Upper
173	100		
175	47.5	24.6	73.6
254	0.0	0.0	0.0

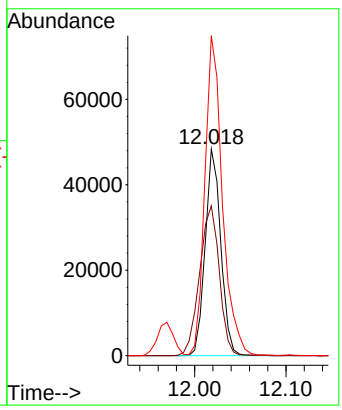




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045453.D
Acq: 25 Mar 2025 20:14

Tgt Ion:152 Resp: 5727

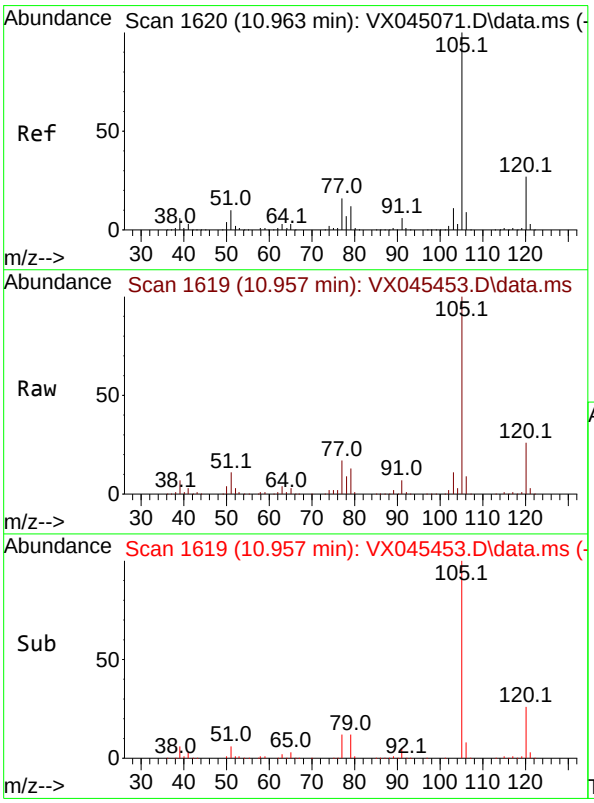
Ion	Ratio	Lower	Upper
152	100		
115	91.7	44.2	132.6
150	173.4	0.0	349.0



Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MS

Manual Integrations
APPROVED

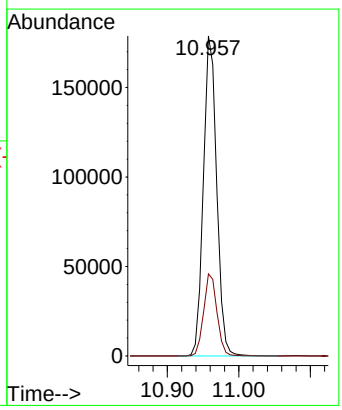
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

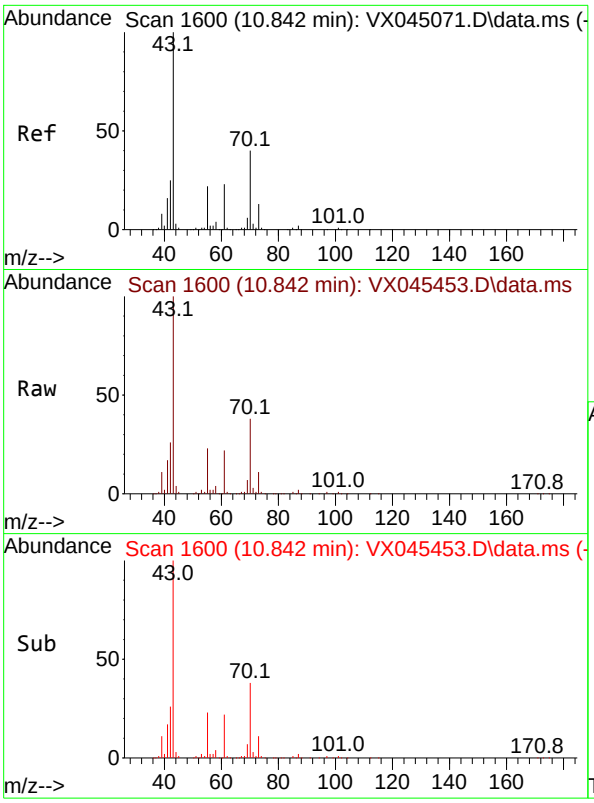


#73
Isopropylbenzene
Concen: 51.672 ug/l
RT: 10.957 min Scan# 1619
Delta R.T. -0.006 min
Lab File: VX045453.D
Acq: 25 Mar 2025 20:14

Tgt Ion:105 Resp: 230995

Ion	Ratio	Lower	Upper
105	100		
120	25.7	13.2	39.5

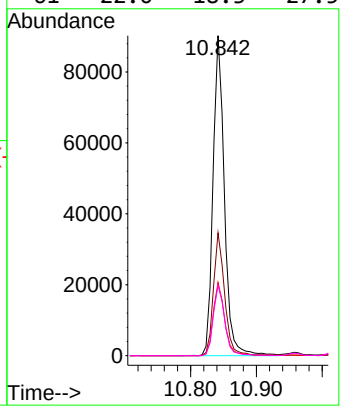




#74
N-amyl acetate
Concen: 51.944 ug/l
RT: 10.842 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045453.D
Acq: 25 Mar 2025 20:14

Tgt Ion: 43 Resp: 10896

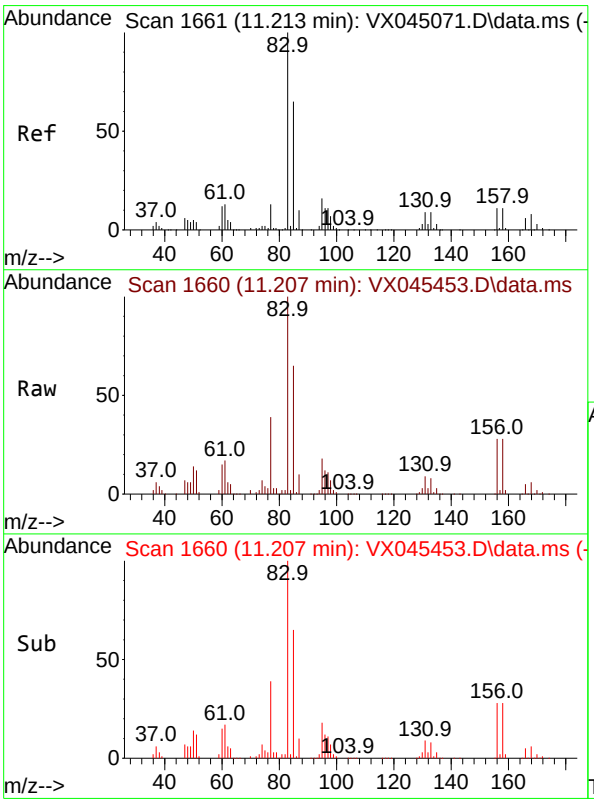
Ion	Ratio	Lower	Upper
43	100		
70	38.0	31.8	47.6
55	23.5	18.3	27.5
61	22.0	18.3	27.5



Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MS

Manual Integrations
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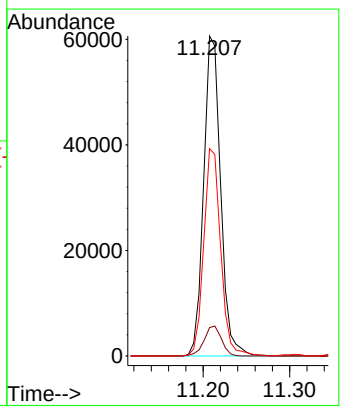
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

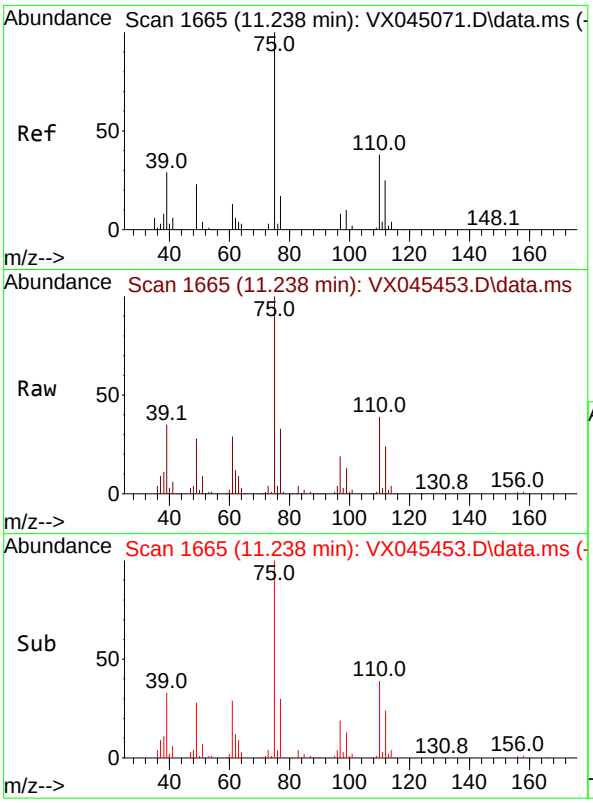


#75
1,1,2,2-Tetrachloroethane
Concen: 50.387 ug/l
RT: 11.207 min Scan# 1660
Delta R.T. -0.006 min
Lab File: VX045453.D
Acq: 25 Mar 2025 20:14

Tgt Ion: 83 Resp: 82659

Ion	Ratio	Lower	Upper
83	100		
131	9.6	4.5	13.4
85	64.4	31.7	95.1

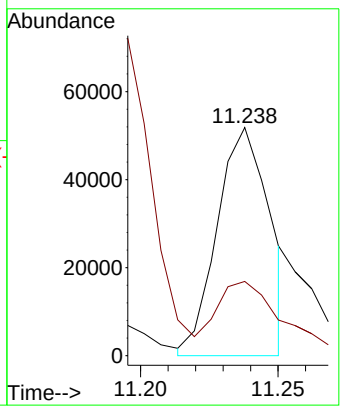




#76
1,2,3-Trichloropropane
Concen: 51.503 ug/l m
RT: 11.238 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045453.D
Acq: 25 Mar 2025 20:14

Tgt Ion: 75 Resp: 6865

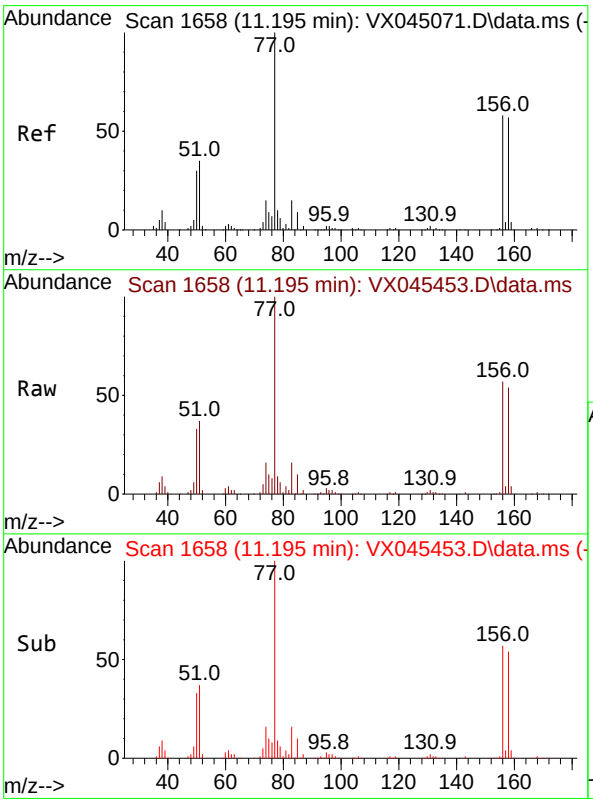
Ion	Ratio	Lower	Upper
75	100		
77	41.5	20.7	62.1



Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MS

Manual Integrations
APPROVED

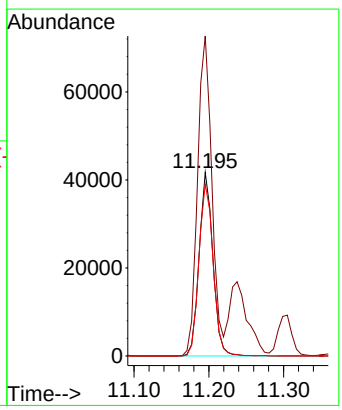
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

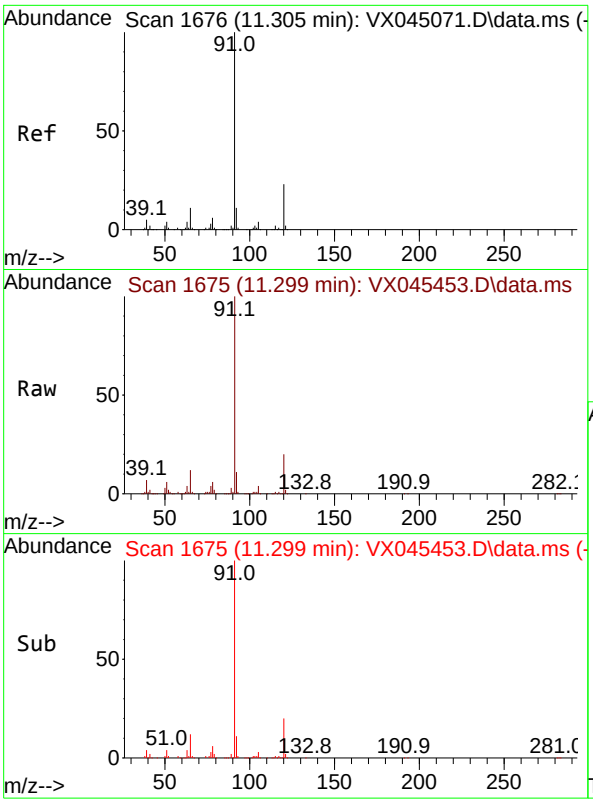


#77
Bromobenzene
Concen: 50.465 ug/l
RT: 11.195 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VX045453.D
Acq: 25 Mar 2025 20:14

Tgt Ion:156 Resp: 53228

Ion	Ratio	Lower	Upper
156	100		
77	181.3	85.8	257.4
158	97.1	48.4	145.2





#78
n-propylbenzene
Concen: 53.289 ug/l
RT: 11.299 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045453.D
Acq: 25 Mar 2025 20:14

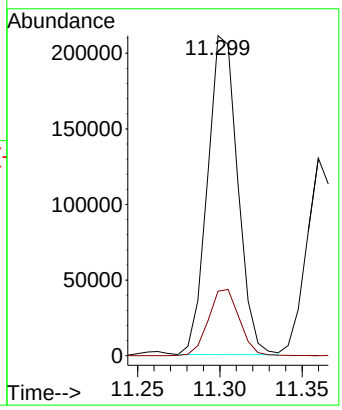
Tgt Ion: 91 Resp: 26910

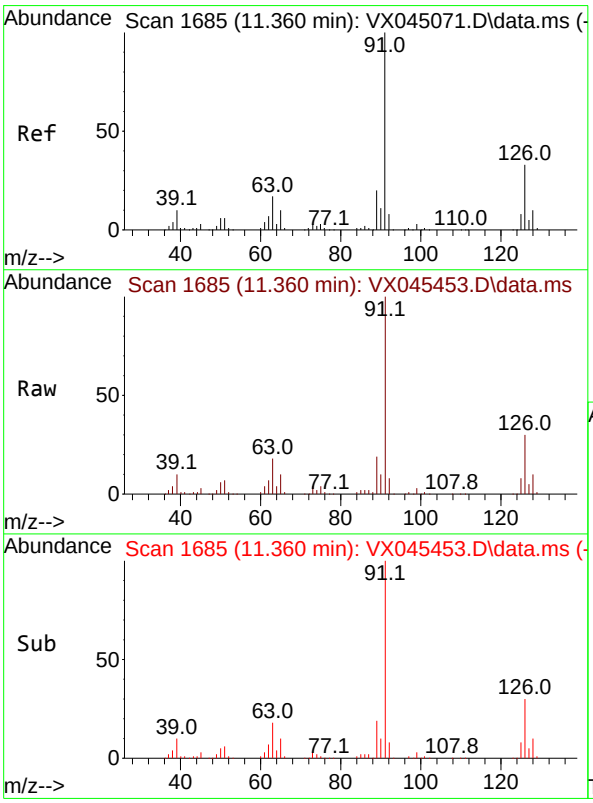
Ion	Ratio	Lower	Upper
91	100		
120	21.3	11.2	33.6

Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MS

Manual Integrations
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Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

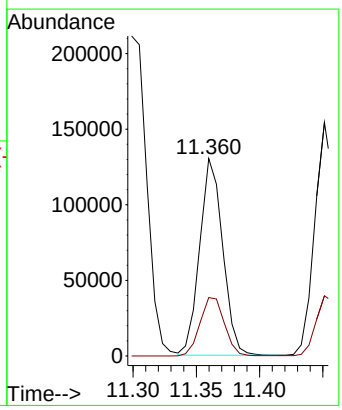


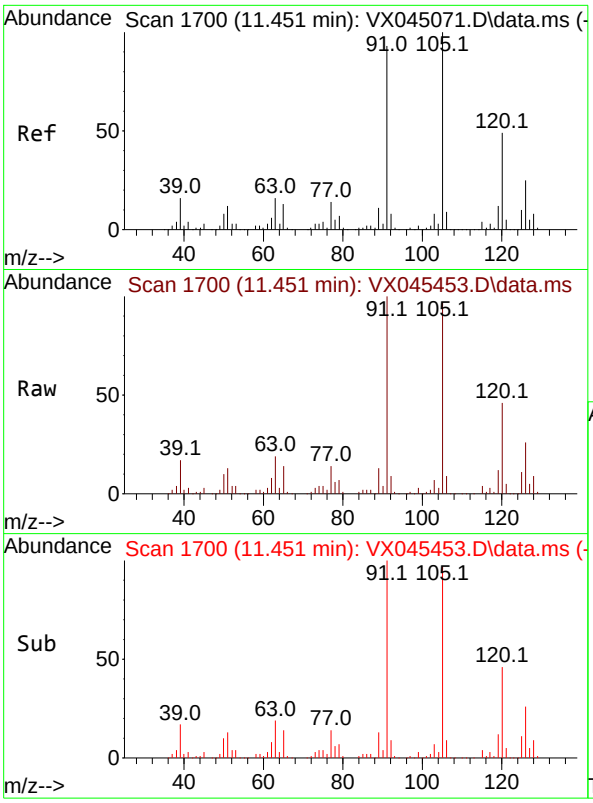


#79
2-Chlorotoluene
Concen: 51.354 ug/l
RT: 11.360 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VX045453.D
Acq: 25 Mar 2025 20:14

Tgt Ion: 91 Resp: 165161

Ion	Ratio	Lower	Upper
91	100		
126	31.7	16.4	49.4

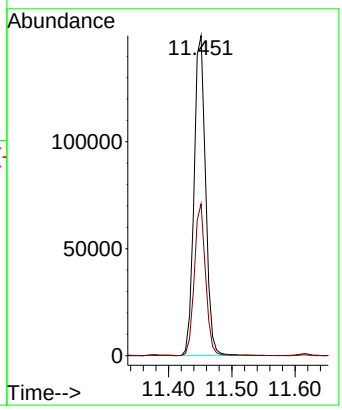




#80
1,3,5-Trimethylbenzene
Concen: 52.558 ug/l
RT: 11.451 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045453.D
Acq: 25 Mar 2025 20:14

Tgt Ion:105 Resp: 18997

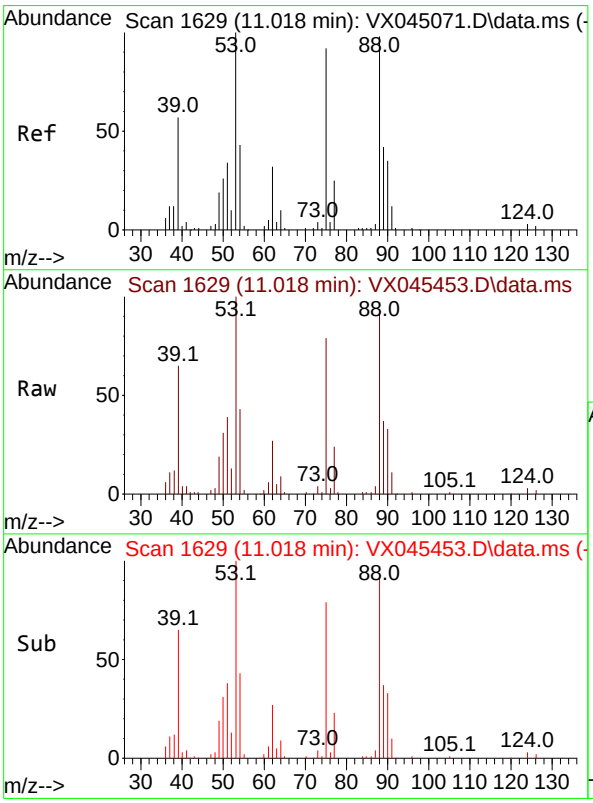
Ion	Ratio	Lower	Upper
105	100		
120	46.4	24.1	72.2



Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MS

Manual Integrations
APPROVED

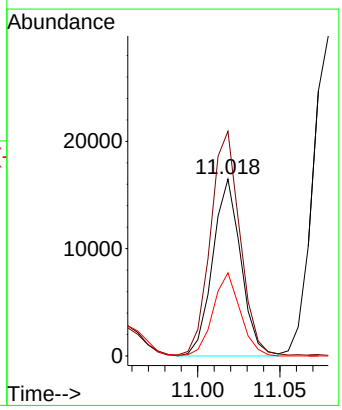
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

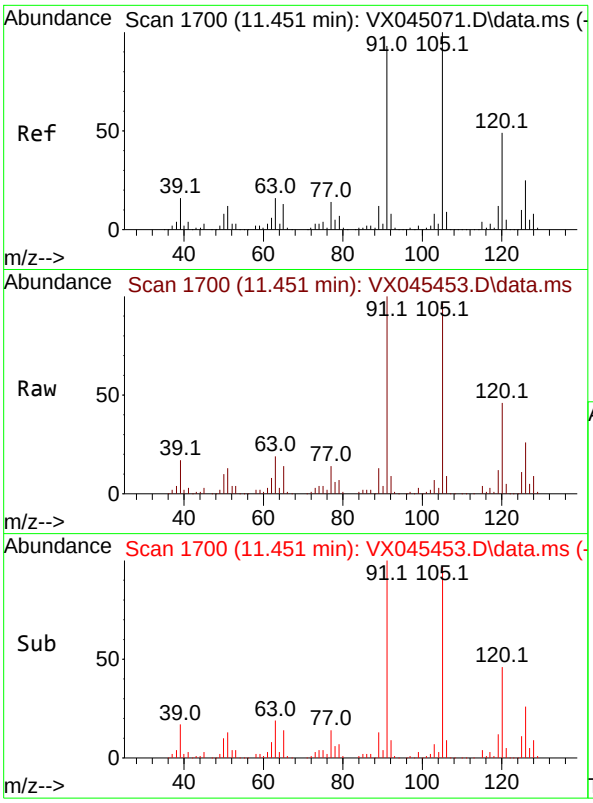


#81
trans-1,4-Dichloro-2-butene
Concen: 50.596 ug/l
RT: 11.018 min Scan# 1629
Delta R.T. 0.000 min
Lab File: VX045453.D
Acq: 25 Mar 2025 20:14

Tgt Ion: 75 Resp: 19709

Ion	Ratio	Lower	Upper
75	100		
53	132.3	88.5	132.7
89	45.3	36.2	54.4

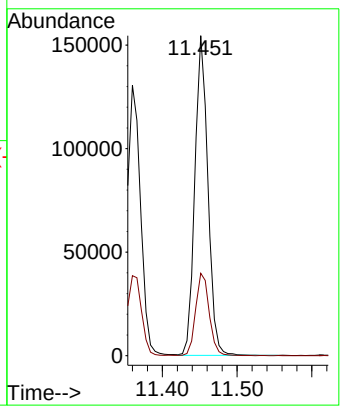




#82
4-Chlorotoluene
Concen: 53.338 ug/l
RT: 11.451 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045453.D
Acq: 25 Mar 2025 20:14

Tgt Ion: 91 Resp: 18695

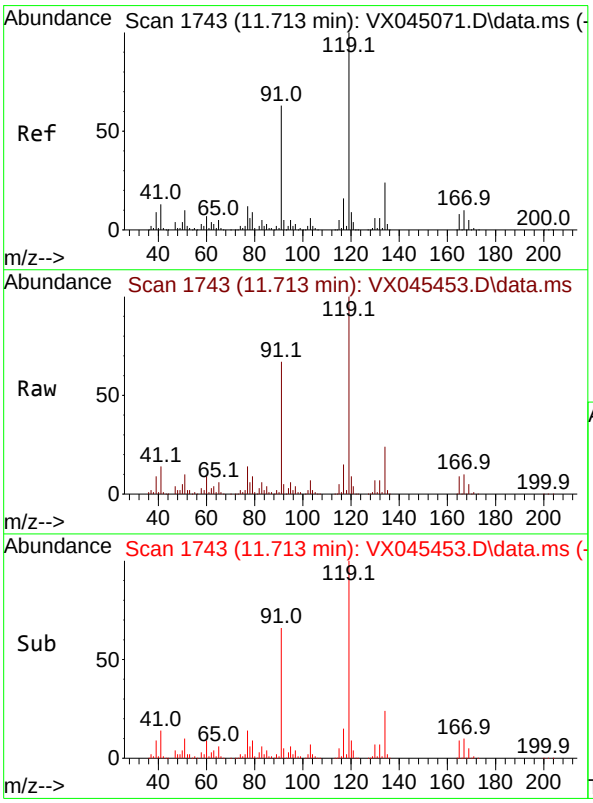
Ion	Ratio	Lower	Upper
91	100		
126	26.9	14.1	42.4



Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MS

Manual Integrations
APPROVED

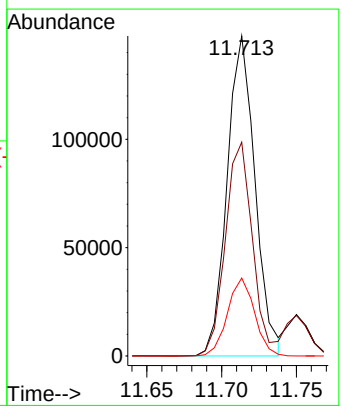
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

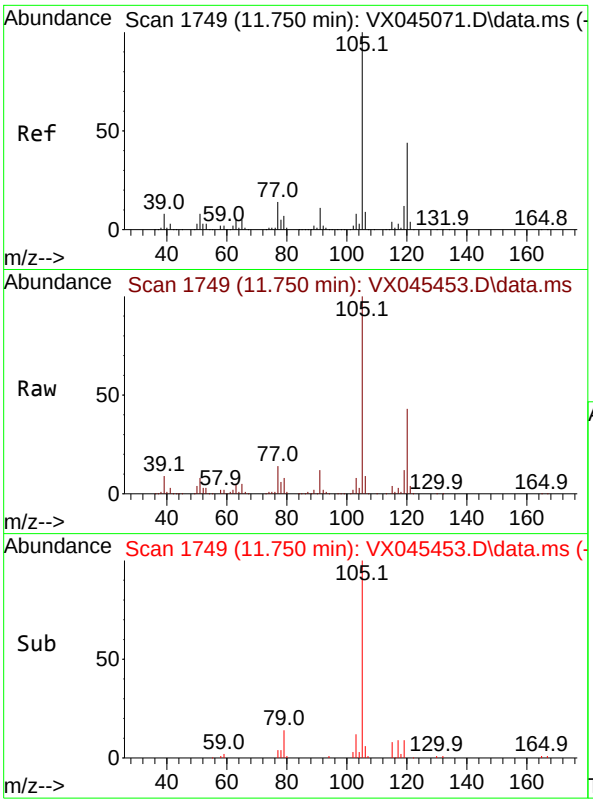


#83
tert-Butylbenzene
Concen: 51.625 ug/l
RT: 11.713 min Scan# 1743
Delta R.T. 0.000 min
Lab File: VX045453.D
Acq: 25 Mar 2025 20:14

Tgt Ion:119 Resp: 191732

Ion	Ratio	Lower	Upper
119	100		
91	64.1	30.7	92.1
134	23.6	11.7	35.0

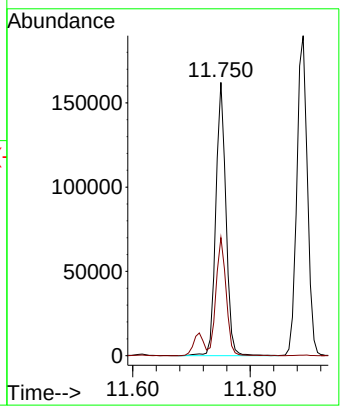




#84
1,2,4-Trimethylbenzene
Concen: 53.041 ug/l
RT: 11.750 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045453.D
Acq: 25 Mar 2025 20:14

Tgt Ion:105 Resp: 19291

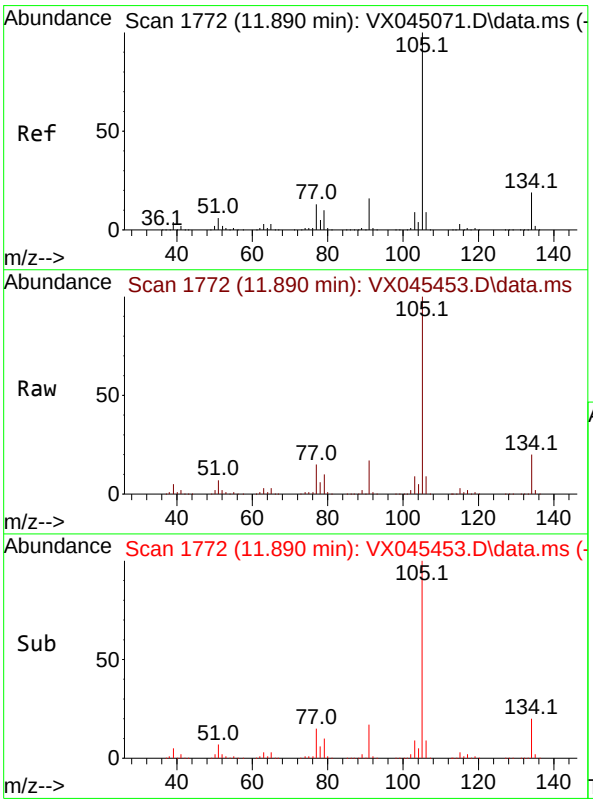
Ion	Ratio	Lower	Upper
105	100		
120	43.5	22.1	66.1



Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MS

Manual Integrations
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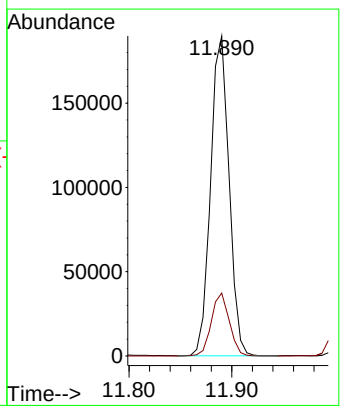
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

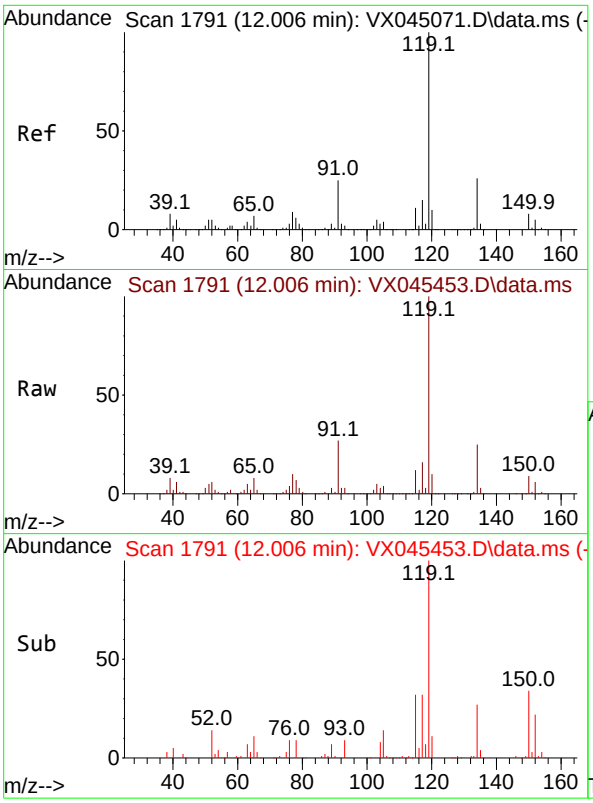


#85
sec-Butylbenzene
Concen: 53.049 ug/l
RT: 11.890 min Scan# 1772
Delta R.T. 0.000 min
Lab File: VX045453.D
Acq: 25 Mar 2025 20:14

Tgt Ion:105 Resp: 236009

Ion	Ratio	Lower	Upper
105	100		
134	19.2	9.8	29.4





#86
p-Isopropyltoluene
Concen: 53.497 ug/l
RT: 12.006 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045453.D
Acq: 25 Mar 2025 20:14

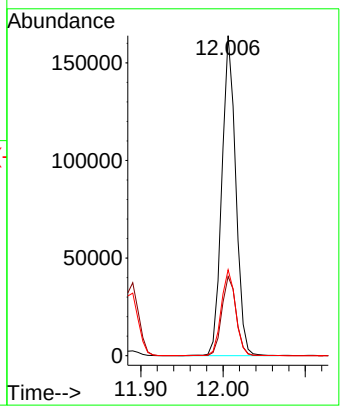
Tgt Ion:119 Resp: 19233

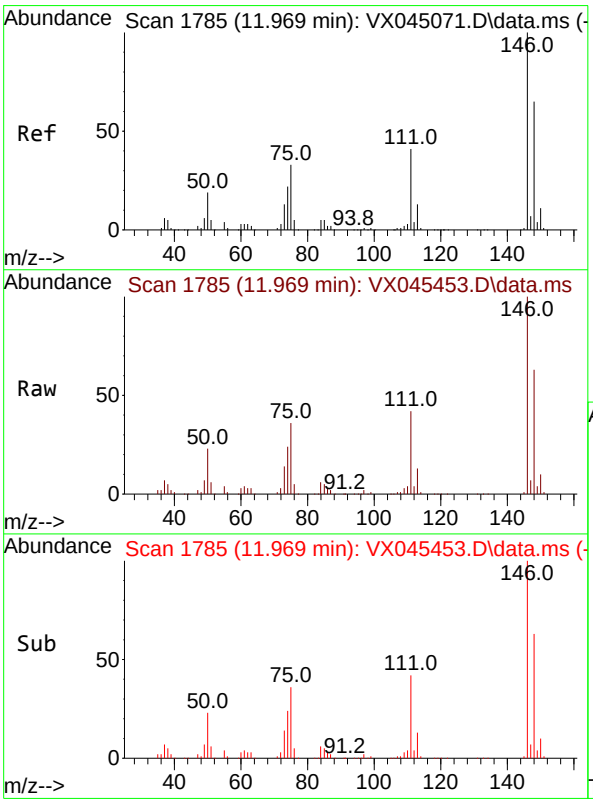
Ion	Ratio	Lower	Upper
119	100		
134	25.6	12.9	38.6
91	27.6	12.7	38.0

Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MS

Manual Integrations
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Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

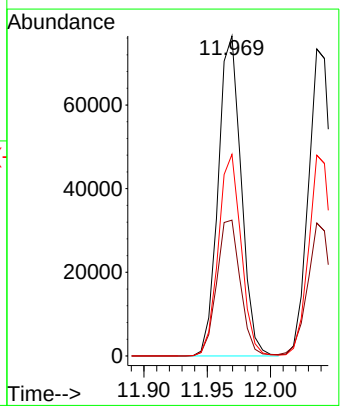


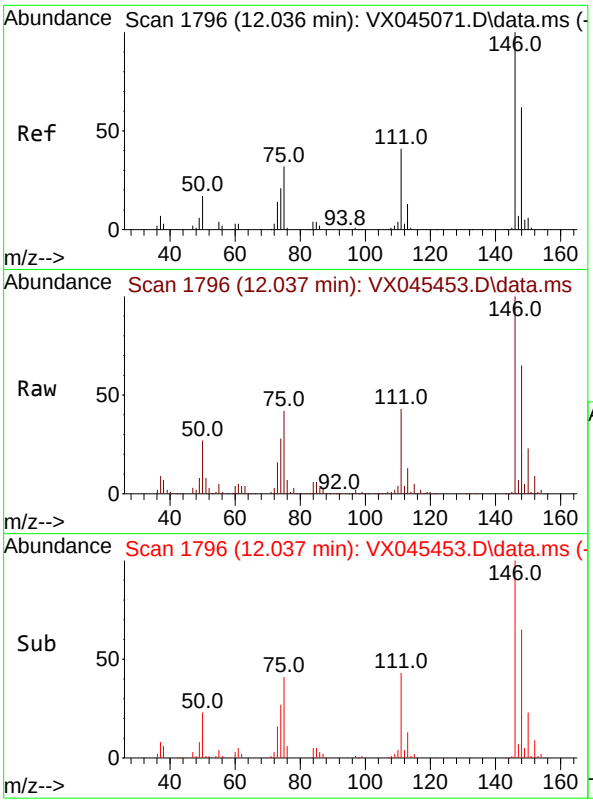


#87
1,3-Dichlorobenzene
Concen: 51.283 ug/l
RT: 11.969 min Scan# 1785
Delta R.T. 0.000 min
Lab File: VX045453.D
Acq: 25 Mar 2025 20:14

Tgt Ion:146 Resp: 96495

Ion	Ratio	Lower	Upper
146	100		
111	43.8	21.1	63.4
148	62.6	31.9	95.7





#88
1,4-Dichlorobenzene
Concen: 49.958 ug/l
RT: 12.037 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045453.D
Acq: 25 Mar 2025 20:14

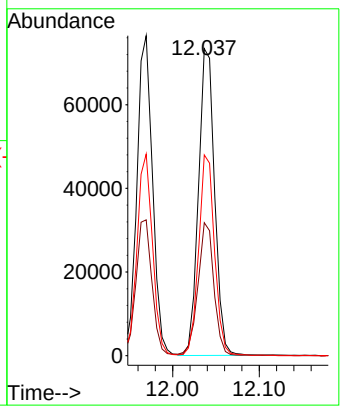
Tgt Ion:146 Resp: 9510

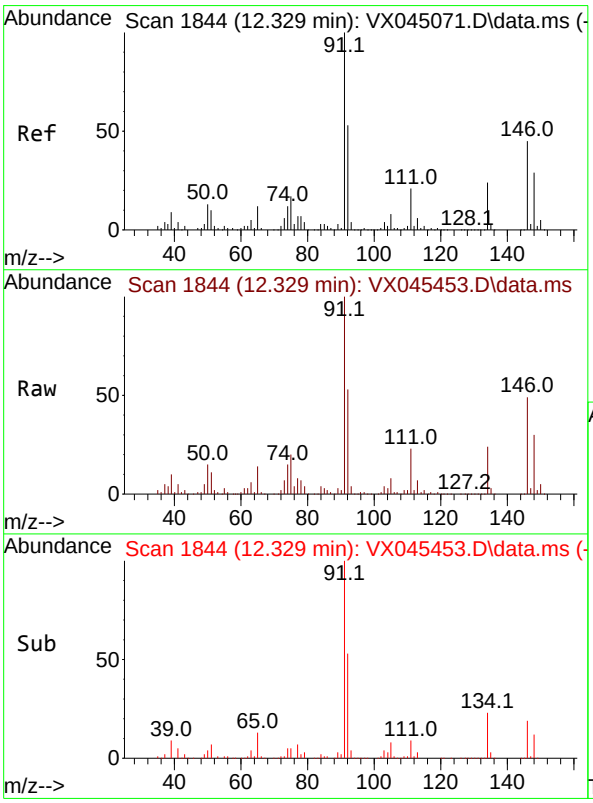
Ion	Ratio	Lower	Upper
146	100		
111	42.9	20.2	60.5
148	64.1	31.9	95.9

Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MS

Manual Integrations
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Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

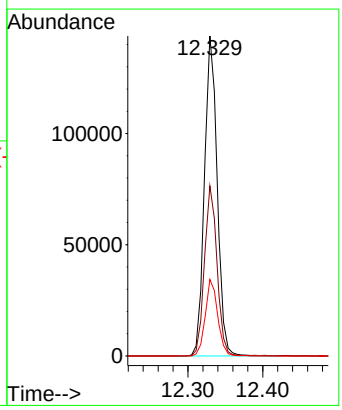


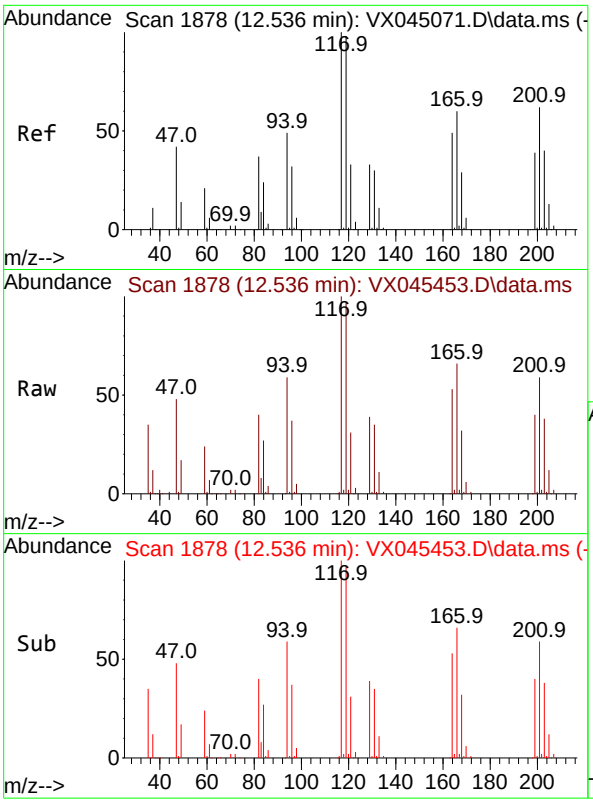


#89
n-Butylbenzene
Concen: 54.978 ug/l
RT: 12.329 min Scan# 1844
Delta R.T. 0.000 min
Lab File: VX045453.D
Acq: 25 Mar 2025 20:14

Tgt Ion: 91 Resp: 170243

Ion	Ratio	Lower	Upper
91	100		
92	52.5	26.7	80.0
134	23.3	12.2	36.6

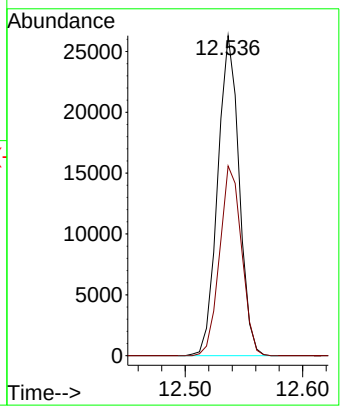




#90
Hexachloroethane
Concen: 51.222 ug/l
RT: 12.536 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045453.D
Acq: 25 Mar 2025 20:14

Tgt Ion:117 Resp: 3331

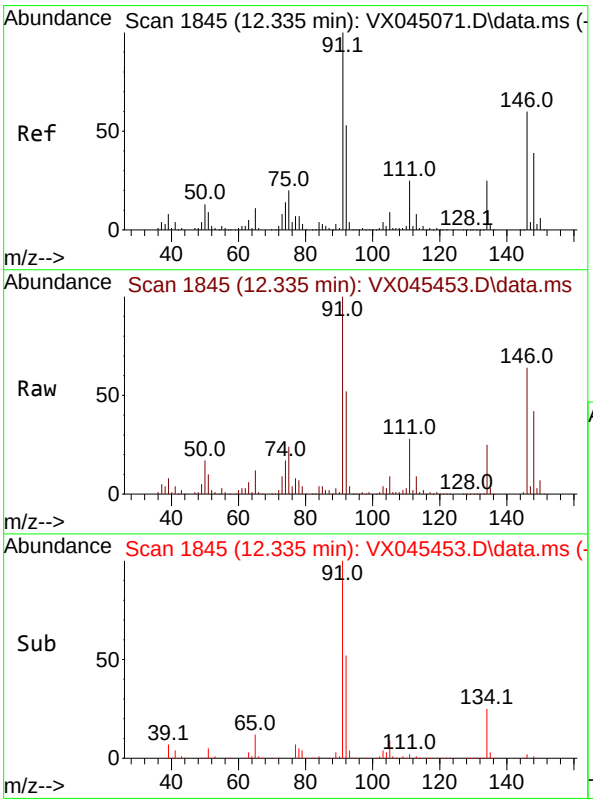
Ion	Ratio	Lower	Upper
117	100		
201	60.9	31.9	95.9



Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MS

Manual Integrations
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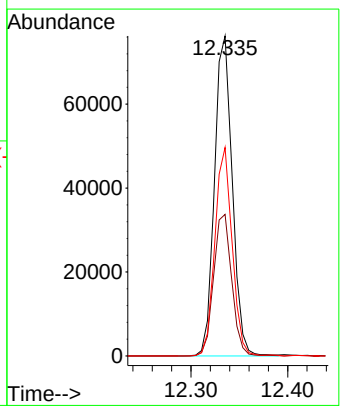
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

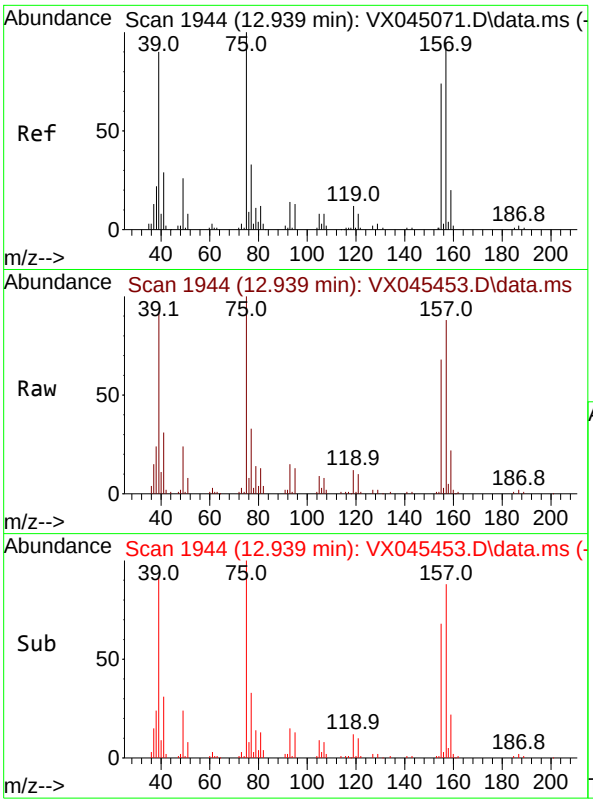


#91
1,2-Dichlorobenzene
Concen: 51.597 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VX045453.D
Acq: 25 Mar 2025 20:14

Tgt Ion:146 Resp: 97391

Ion	Ratio	Lower	Upper
146	100		
111	45.1	21.6	65.0
148	63.3	31.9	95.9

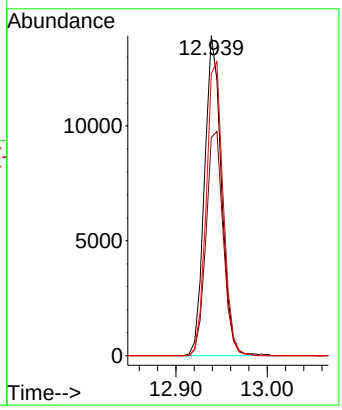




#92
1,2-Dibromo-3-Chloropropane
Concen: 56.052 ug/l
RT: 12.939 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045453.D
Acq: 25 Mar 2025 20:14

Tgt Ion: 75 Resp: 1791

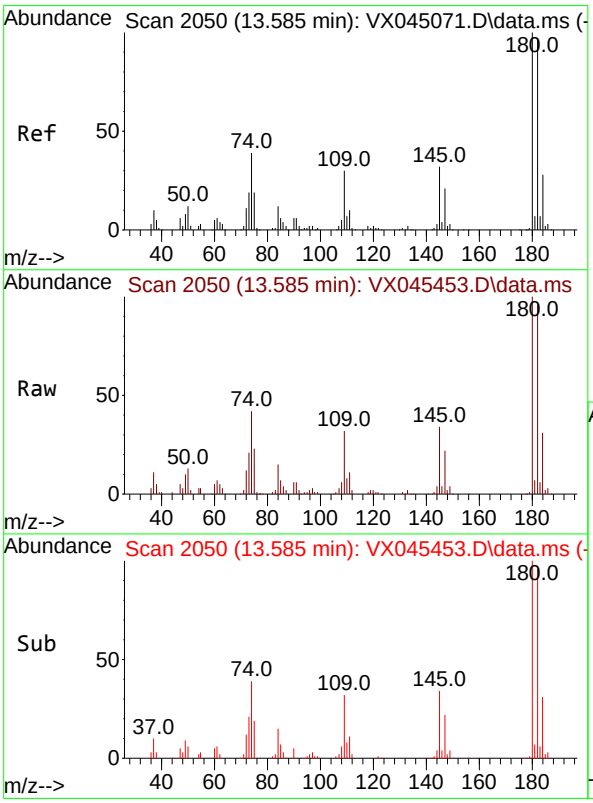
Ion	Ratio	Lower	Upper
75	100		
155	71.1	39.6	118.7
157	91.6	51.1	153.4



Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MS

Manual Integrations
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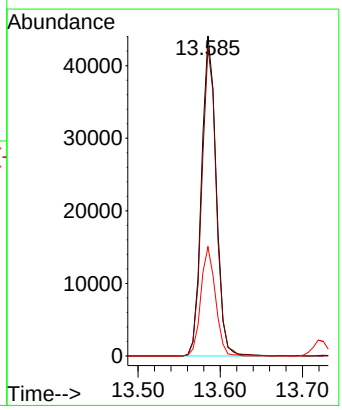
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

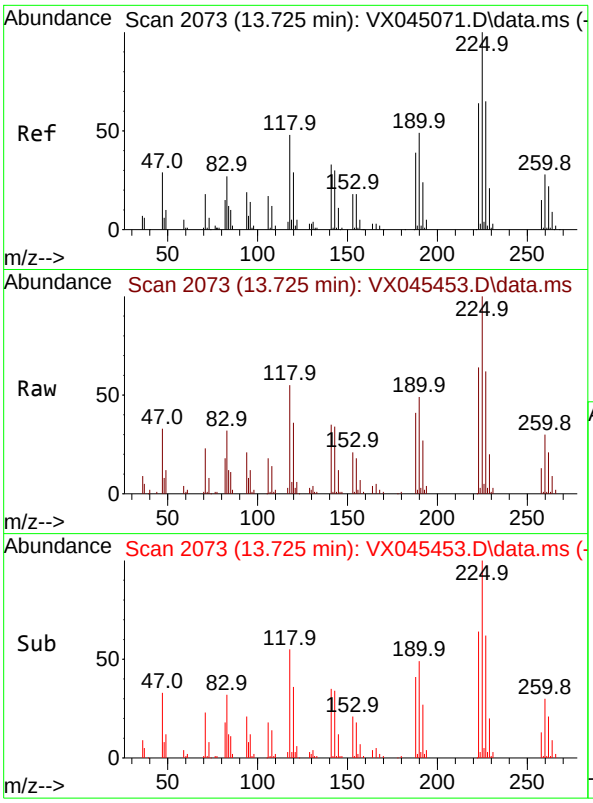


#93
1,2,4-Trichlorobenzene
Concen: 50.871 ug/l
RT: 13.585 min Scan# 2050
Delta R.T. 0.000 min
Lab File: VX045453.D
Acq: 25 Mar 2025 20:14

Tgt Ion:180 Resp: 54675

Ion	Ratio	Lower	Upper
180	100		
182	95.3	47.3	141.9
145	33.9	16.3	48.9

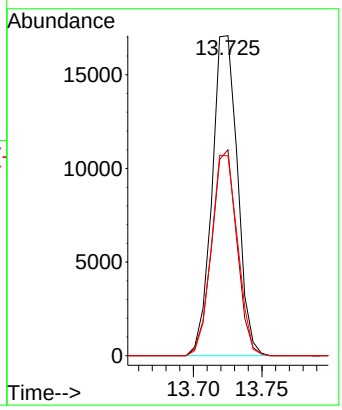




#94
Hexachlorobutadiene
Concen: 49.996 ug/l
RT: 13.725 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045453.D
Acq: 25 Mar 2025 20:14

Tgt Ion:225 Resp: 2203

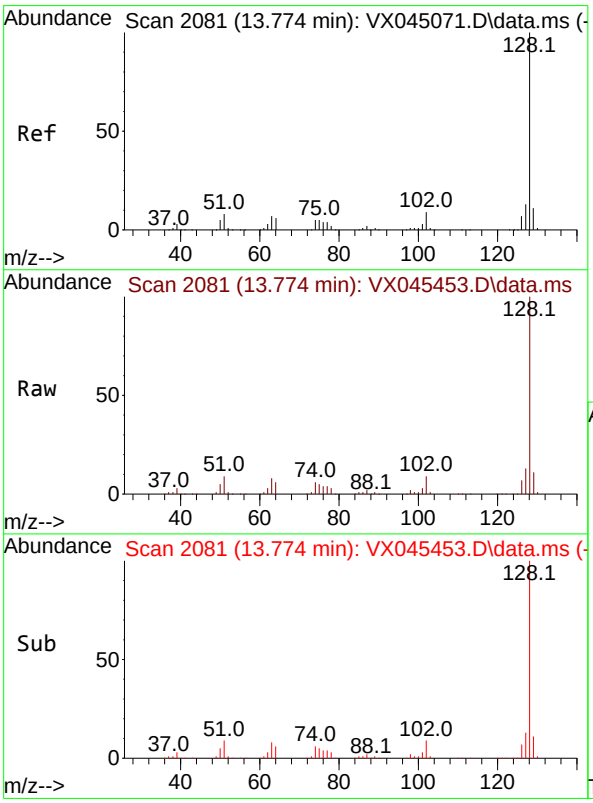
Ion	Ratio	Lower	Upper
225	100		
223	63.5	31.9	95.7
227	64.6	31.4	94.0



Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MS

Manual Integrations
APPROVED

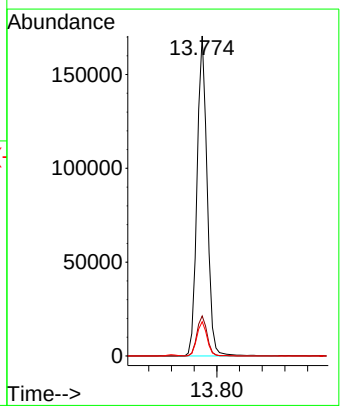
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

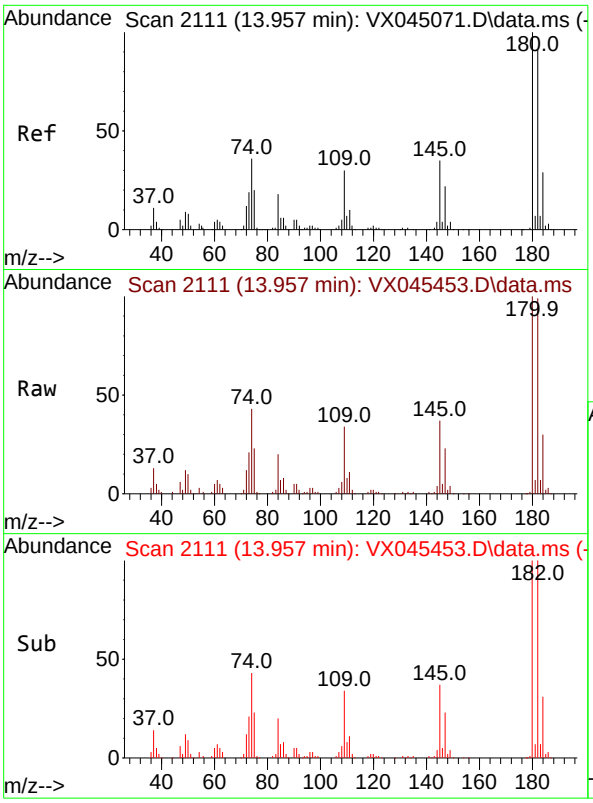


#95
Naphthalene
Concen: 50.889 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. 0.000 min
Lab File: VX045453.D
Acq: 25 Mar 2025 20:14

Tgt Ion:128 Resp: 210140

Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.3	15.5
129	10.8	8.7	13.1

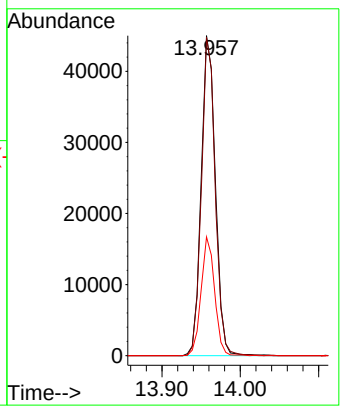




#96
1,2,3-Trichlorobenzene
Concen: 49.825 ug/l
RT: 13.957 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045453.D
Acq: 25 Mar 2025 20:14

Tgt Ion:180 Resp: 5649

Ion	Ratio	Lower	Upper
180	100		
182	96.8	47.5	142.6
145	35.5	17.0	50.9



Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MS

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

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:	03/18/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/19/25
Client Sample ID:	RE132D1-20250318MSD	SDG No.:	Q1608
Lab Sample ID:	Q1608-13MSD	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
VX045454.D	1		03/25/25 20:37	VX032525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	62.5		0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	52.3		0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	48.2		0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	56.7		1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	53.8		0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	53.6		0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	61.5		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	52.9		0.23	0.75	1.00	ug/L
67-64-1	Acetone	260		1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	49.1		0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	54.9		0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	46.6		0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	51.4		0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	53.8		0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	53.8		0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	55.4		1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	270		0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	58.1		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	54.9		0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	49.4		0.22	0.50	1.00	ug/L
67-66-3	Chloroform	57.4		0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	57.6		0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	57.9		0.16	0.50	1.00	ug/L
71-43-2	Benzene	53.4		0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	60.8		0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	190	E	0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	52.7		0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	57.1		0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	280		0.68	2.50	5.00	ug/L
108-88-3	Toluene	55.8		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:	03/18/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/19/25
Client Sample ID:	RE132D1-20250318MSD	SDG No.:	Q1608
Lab Sample ID:	Q1608-13MSD	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
VX045454.D	1		03/25/25 20:37	VX032525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	58.8		0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	57.3		0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	54.5		0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	290		0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	57.4		0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	55.4		0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	59.7		0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	54.5		0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	56.7		0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	110		0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	54.4		0.12	0.50	1.00	ug/L
100-42-5	Styrene	56.8		0.15	0.50	1.00	ug/L
75-25-2	Bromoform	54.2		0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	55.4		0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	50.8		0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	52.2		0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	51.5		0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	53.5		0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	57.1		0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	51.9		0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	51.0		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	53.0		80 - 119		106%	SPK: 50
2037-26-5	Toluene-d8	50.5		89 - 112		101%	SPK: 50
460-00-4	4-Bromofluorobenzene	56.7		85 - 114		113%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	80500	5.543				
540-36-3	1,4-Difluorobenzene	145000	6.757				
3114-55-4	Chlorobenzene-d5	129000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	59000	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:	03/18/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/19/25
Client Sample ID:	RE132D1-20250318MSD	SDG No.:	Q1608
Lab Sample ID:	Q1608-13MSD	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
VX045454.D	1		03/25/25 20:37	VX032525

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\VX032525\
Data File : VX045454.D
Acq On : 25 Mar 2025 20:37
Operator : JC/MD
Sample : Q1608-13MSD
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Mar 26 01:46:39 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 :
RE132D1-20250318MSD

Manual Integrations APPROVED

Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.543	168	80493	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	144565	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	128766	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	58991	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	72075	56.293	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 112.580%			
35) Dibromofluoromethane	5.379	113	51224	52.990	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.980%			
50) Toluene-d8	8.646	98	176887	50.474	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.940%			
62) 4-Bromofluorobenzene	11.079	95	65839	56.695	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 113.380%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	63285	62.460	ug/l	98
3) Chloromethane	1.300	50	64830	52.284	ug/l	99
4) Vinyl Chloride	1.373	62	59303	48.211	ug/l	94
5) Bromomethane	1.593	94	27420	56.705	ug/l	99
6) Chloroethane	1.666	64	30511	53.776	ug/l	98
7) Trichlorofluoromethane	1.873	101	87332	53.631	ug/l	99
8) Diethyl Ether	2.129	74	29565	46.419	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.318	101	57563	61.530	ug/l	99
10) Methyl Iodide	2.446	142	66707	57.057	ug/l	94
11) Tert butyl alcohol	2.983	59	55999	230.904	ug/l	97
12) 1,1-Dichloroethene	2.306	96	52305	52.882	ug/l	90
13) Acrolein	2.233	56	77890	277.835	ug/l	100
14) Allyl chloride	2.654	41	98868	56.155	ug/l	94
15) Acrylonitrile	3.062	53	170104	261.705	ug/l	99
16) Acetone	2.385	43	156806	263.962	ug/l	97
17) Carbon Disulfide	2.501	76	129306	49.084	ug/l	97
18) Methyl Acetate	2.702	43	66573	46.584	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	182043	54.859	ug/l	97
20) Methylene Chloride	2.782	84	60500	51.413	ug/l	95
21) trans-1,2-Dichloroethene	3.087	96	52589	53.819	ug/l	97
22) Diisopropyl ether	3.757	45	195179	54.509	ug/l #	87
23) Vinyl Acetate	3.714	43	831269	278.193	ug/l	99
24) 1,1-Dichloroethane	3.605	63	107944	53.791	ug/l	100
25) 2-Butanone	4.556	43	244215	273.114	ug/l	97
26) 2,2-Dichloropropane	4.470	77	63478	67.439	ug/l	96
27) cis-1,2-Dichloroethene	4.476	96	66198	54.879	ug/l	94
28) Bromochloromethane	4.891	49	47249	49.398	ug/l	100
29) Tetrahydrofuran	5.001	42	154668	257.569	ug/l	99
30) Chloroform	5.086	83	114418	57.384	ug/l	97
31) Cyclohexane	5.458	56	96420	55.352	ug/l	96
32) 1,1,1-Trichloroethane	5.373	97	92807	57.630	ug/l	98
36) 1,1-Dichloropropene	5.684	75	72172	54.441	ug/l	100
37) Ethyl Acetate	4.708	43	87894	51.453	ug/l	99
38) Carbon Tetrachloride	5.671	117	78156	58.070	ug/l	95
39) Methylcyclohexane	7.372	83	92006	57.921	ug/l	96
40) Benzene	6.031	78	223694	53.436	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032525\
Data File : VX045454.D
Acq On : 25 Mar 2025 20:37
Operator : JC/MD
Sample : Q1608-13MSD
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Mar 26 01:46:39 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 :
RE132D1-20250318MSD

Manual Integrations APPROVED
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.915	41	51618	55.883	ug/l		98
42) 1,2-Dichloroethane	6.080	62	91723	60.846	ug/l		97
43) Isopropyl Acetate	6.342	43	139900	55.384	ug/l		99
44) Trichloroethene	7.122	130	182090	185.246	ug/l		98
45) 1,2-Dichloropropane	7.427	63	56754	52.730	ug/l		98
46) Dibromomethane	7.580	93	42457	55.809	ug/l		97
47) Bromodichloromethane	7.817	83	85131	57.051	ug/l		100
48) Methyl methacrylate	7.689	41	74476	58.769	ug/l		93
49) 1,4-Dioxane	7.659	88	25440	951.681	ug/l		93
51) 4-Methyl-2-Pentanone	8.573	43	482778	284.646	ug/l		99
52) Toluene	8.714	92	137053	55.800	ug/l		100
53) t-1,3-Dichloropropene	8.976	75	73337	58.788	ug/l		98
54) cis-1,3-Dichloropropene	8.366	75	83300	57.263	ug/l		93
55) 1,1,2-Trichloroethane	9.146	97	55071	54.465	ug/l		98
56) Ethyl methacrylate	9.116	69	89821	58.440	ug/l		92
57) 1,3-Dichloropropane	9.305	76	96907	55.380	ug/l		100
59) 2-Hexanone	9.427	43	359074	292.199	ug/l		97
60) Dibromochloromethane	9.518	129	60687	57.402	ug/l		100
61) 1,2-Dibromoethane	9.604	107	55964	55.442	ug/l		100
64) Tetrachloroethene	9.268	164	49262	59.734	ug/l		98
65) Chlorobenzene	10.073	112	148540	54.517	ug/l		98
66) 1,1,1,2-Tetrachloroethane	10.158	131	49482	54.533	ug/l		97
67) Ethyl Benzene	10.189	91	269267	56.717	ug/l		99
68) m/p-Xylenes	10.299	106	194318	111.808	ug/l		94
69) o-Xylene	10.640	106	95373	54.410	ug/l		95
70) Styrene	10.652	104	161039	56.780	ug/l		97
71) Bromoform	10.799	173	37117	54.246	ug/l	#	99
73) Isopropylbenzene	10.957	105	254922	55.365	ug/l		98
74) N-amyl acetate	10.841	43	118252	54.733	ug/l		98
75) 1,1,2,2-Tetrachloroethane	11.207	83	85900	50.839	ug/l		100
76) 1,2,3-Trichloropropane	11.237	75	72621m	52.891	ug/l		
77) Bromobenzene	11.195	156	56308	51.831	ug/l		92
78) n-propylbenzene	11.298	91	298852	57.457	ug/l		98
79) 2-Chlorotoluene	11.359	91	180454	54.476	ug/l		97
80) 1,3,5-Trimethylbenzene	11.451	105	207948	55.855	ug/l		98
81) trans-1,4-Dichloro-2-b...	11.018	75	20244	50.457	ug/l	#	83
82) 4-Chlorotoluene	11.451	91	202603	56.120	ug/l		99
83) tert-Butylbenzene	11.713	119	207511	54.247	ug/l		97
84) 1,2,4-Trimethylbenzene	11.750	105	210227	56.119	ug/l		98
85) sec-Butylbenzene	11.890	105	256982	56.082	ug/l		99
86) p-Isopropyltoluene	12.006	119	212455	57.372	ug/l		98
87) 1,3-Dichlorobenzene	11.969	146	101086	52.159	ug/l		98
88) 1,4-Dichlorobenzene	12.036	146	100948	51.485	ug/l		98
89) n-Butylbenzene	12.329	91	184374	57.809	ug/l		99
90) Hexachloroethane	12.536	117	36429	54.388	ug/l		96
91) 1,2-Dichlorobenzene	12.335	146	104063	53.527	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	12.938	75	18808	57.137	ug/l		91
93) 1,2,4-Trichlorobenzene	13.585	180	57410	51.861	ug/l		100
94) Hexachlorobutadiene	13.725	225	23639	52.086	ug/l		99
95) Naphthalene	13.774	128	219719	51.660	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	59607	51.041	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032525\
Data File : VX045454.D
Acq On : 25 Mar 2025 20:37
Operator : JC/MD
Sample : Q1608-13MSD
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Mar 26 01:46:39 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 :
RE132D1-20250318MSD

Manual Integrations APPROVED

Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

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

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

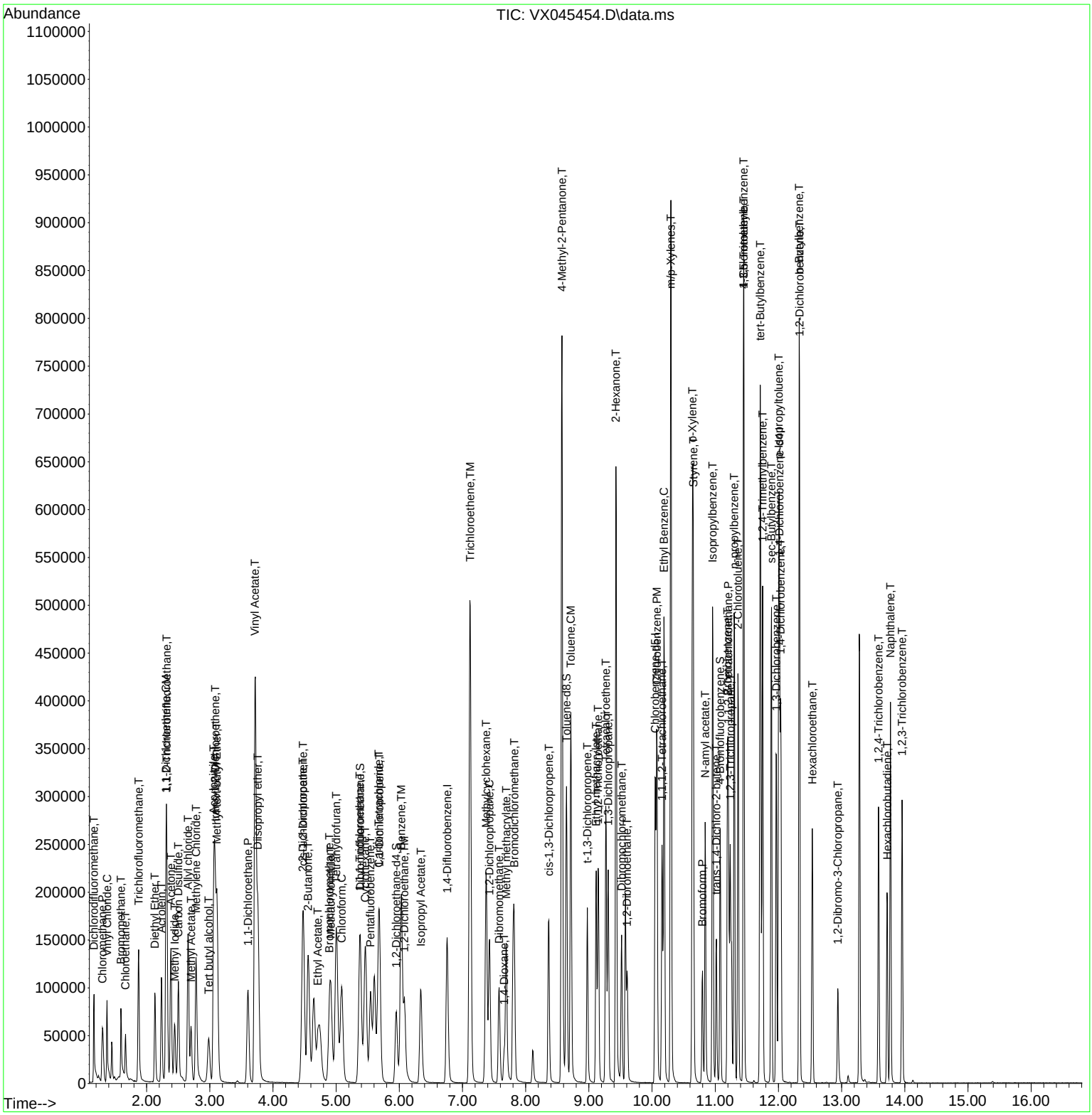
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Sample : Q1608-13MSD
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 25 Sample Multiplier: 1

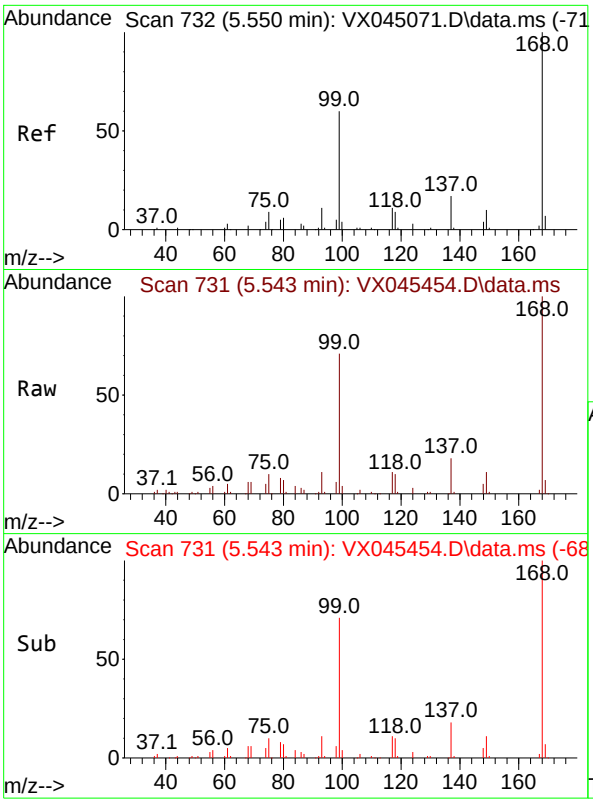
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QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MSD

Manual Integrations APPROVED

Reviewed By :John Carlone 03/26/2025
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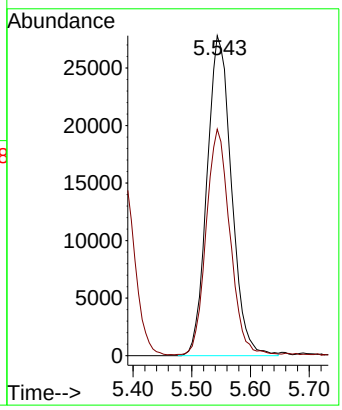




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.543 min Scan# 7
Delta R.T. -0.007 min
Lab File: VX045454.D
Acq: 25 Mar 2025 20:37

Tgt Ion:168 Resp: 8049

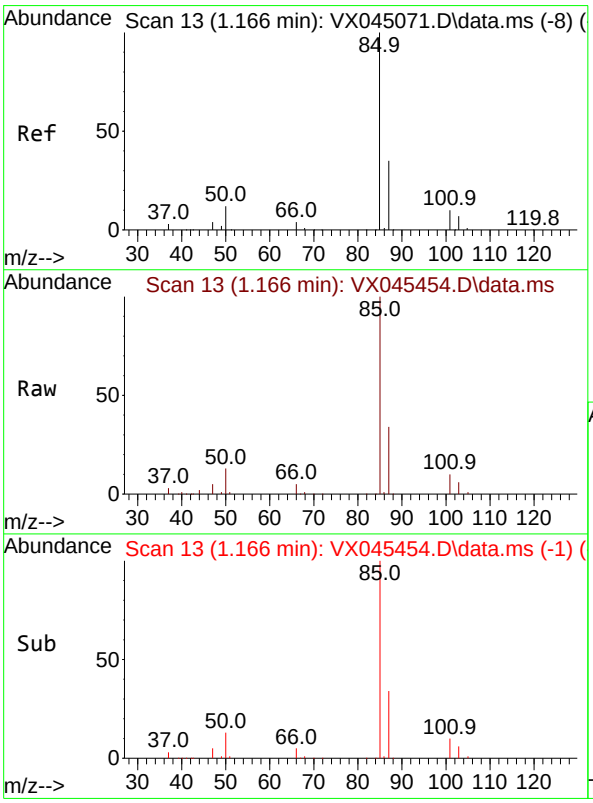
Ion	Ratio	Lower	Upper
168	100		
99	70.4	48.2	72.4



Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MSD

Manual Integrations
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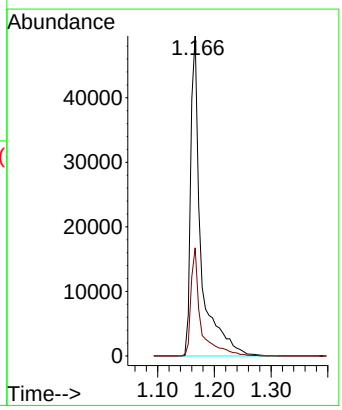
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

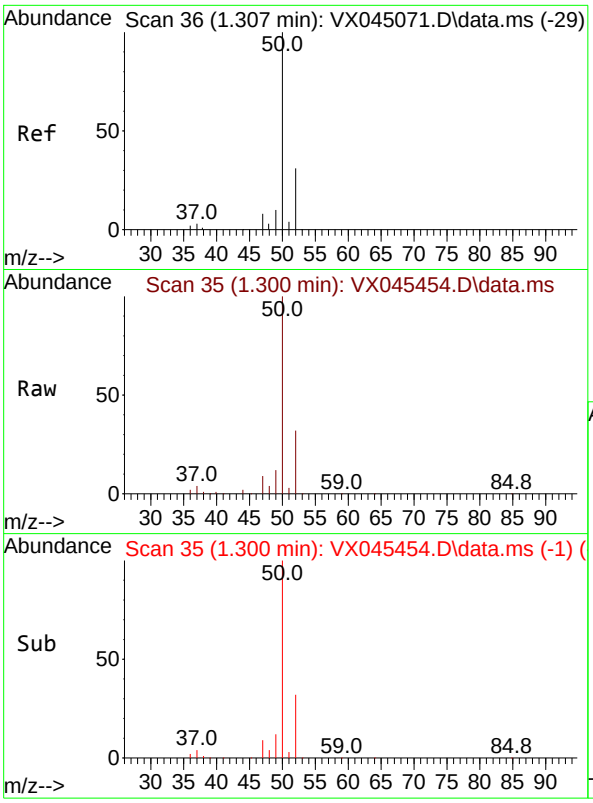


#2
Dichlorodifluoromethane
Concen: 62.460 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX045454.D
Acq: 25 Mar 2025 20:37

Tgt Ion: 85 Resp: 63285

Ion	Ratio	Lower	Upper
85	100		
87	33.8	17.4	52.3

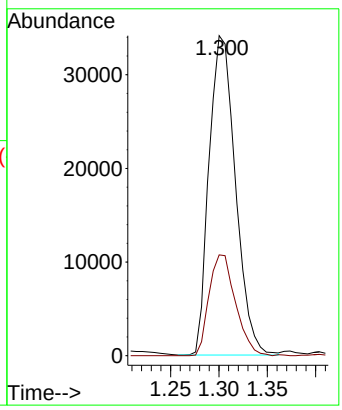




#3
Chloromethane
Concen: 52.284 ug/l
RT: 1.300 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045454.D
Acq: 25 Mar 2025 20:37

Tgt Ion: 50 Resp: 6483

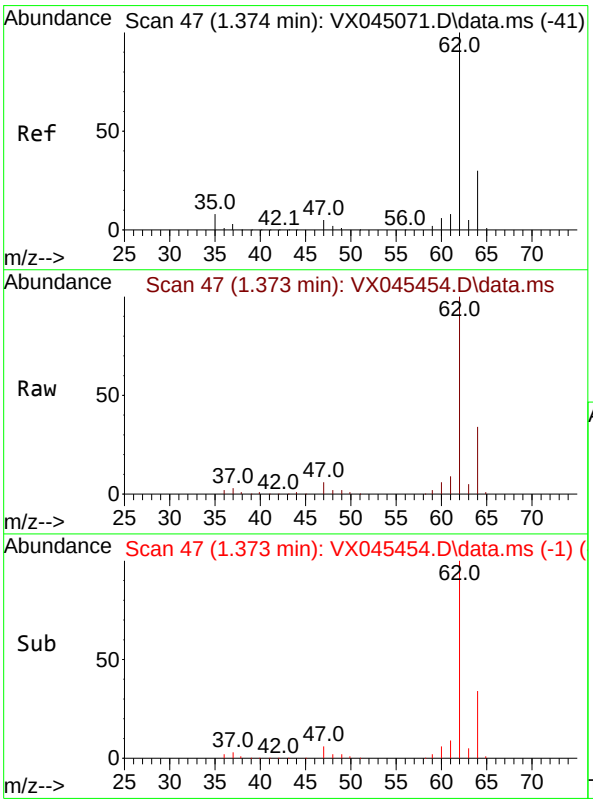
Ion	Ratio	Lower	Upper
50	100		
52	31.6	25.0	37.4



Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MSD

Manual Integrations
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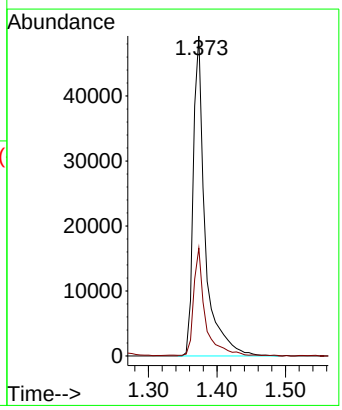
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

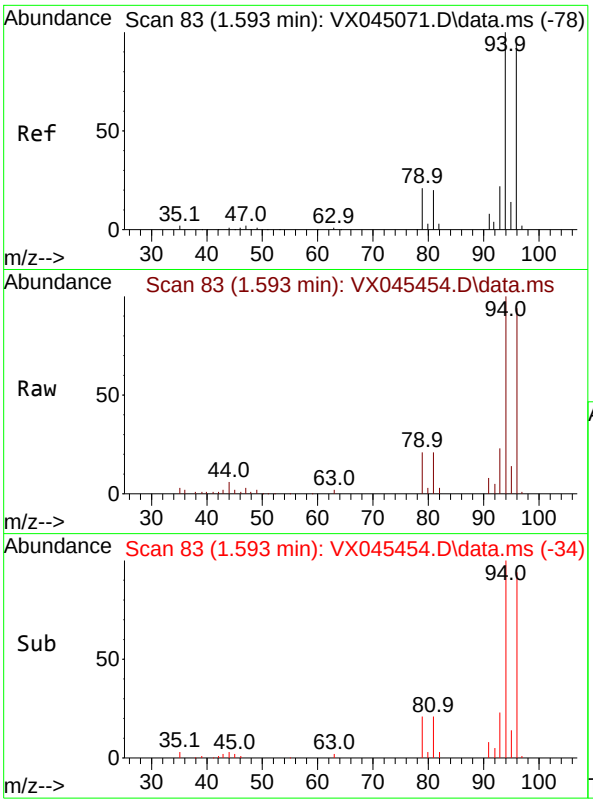


#4
Vinyl Chloride
Concen: 48.211 ug/l
RT: 1.373 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX045454.D
Acq: 25 Mar 2025 20:37

Tgt Ion: 62 Resp: 59303

Ion	Ratio	Lower	Upper
62	100		
64	33.5	24.3	36.5

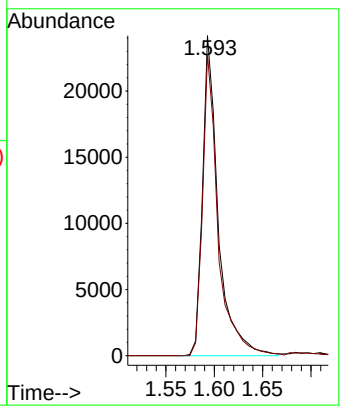




#5
Bromomethane
Concen: 56.705 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045454.D
Acq: 25 Mar 2025 20:37

Tgt Ion: 94 Resp: 2742

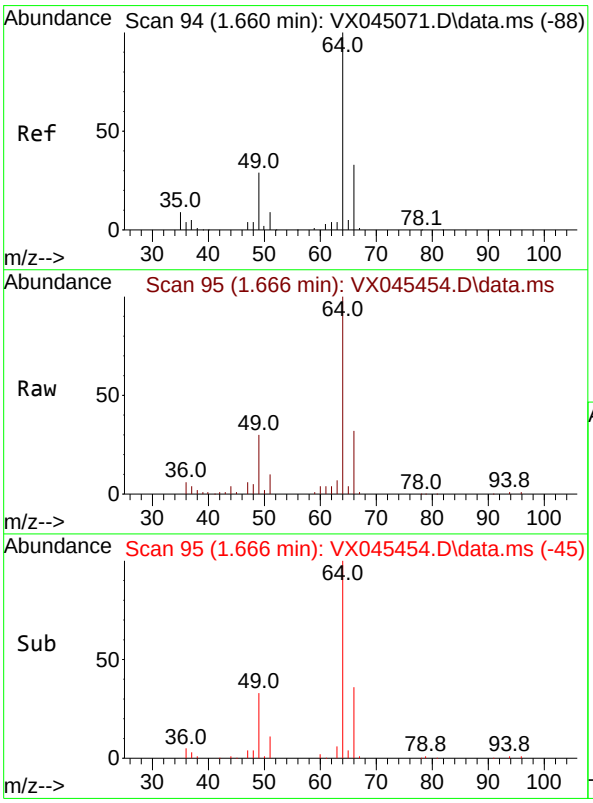
Ion	Ratio	Lower	Upper
94	100		
96	94.3	75.0	112.4



Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MSD

Manual Integrations
APPROVED

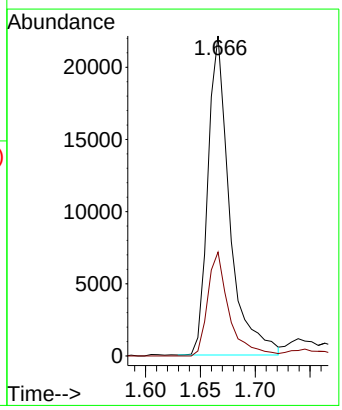
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

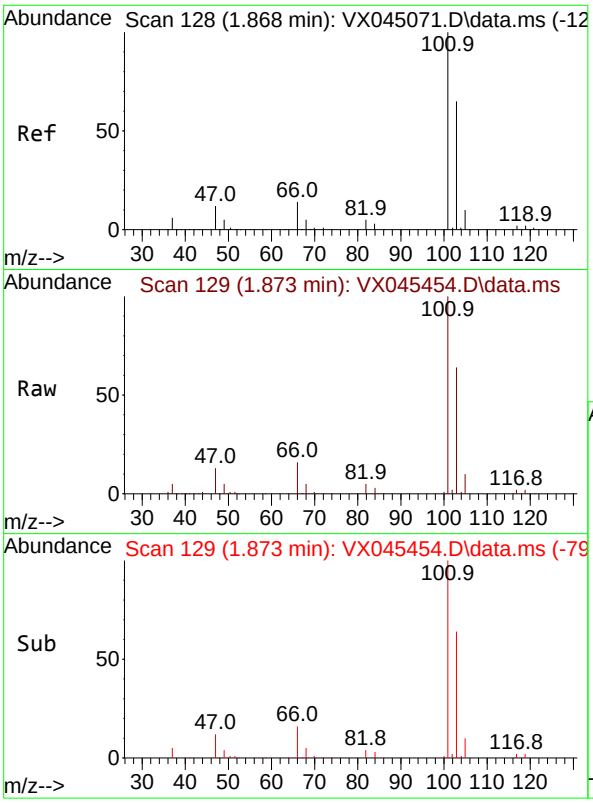


#6
Chloroethane
Concen: 53.776 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.006 min
Lab File: VX045454.D
Acq: 25 Mar 2025 20:37

Tgt Ion: 64 Resp: 30511

Ion	Ratio	Lower	Upper
64	100		
66	32.5	26.7	40.1

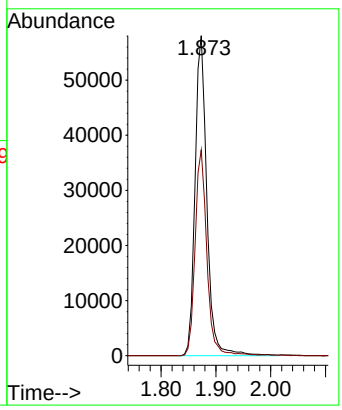




#7
Trichlorofluoromethane
Concen: 53.631 ug/l
RT: 1.873 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045454.D
Acq: 25 Mar 2025 20:37

Tgt Ion:101 Resp: 8733

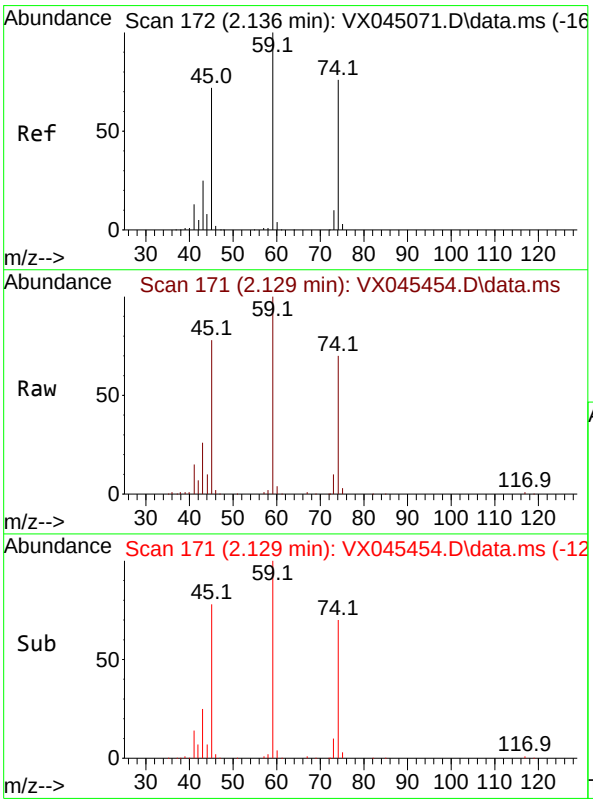
Ion	Ratio	Lower	Upper
101	100		
103	64.3	52.1	78.1



Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MSD

Manual Integrations
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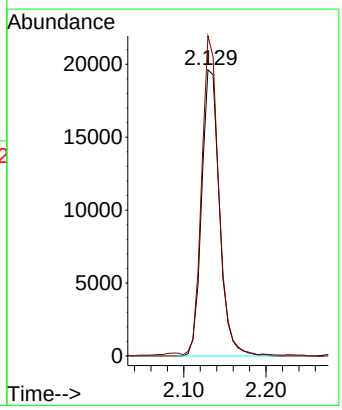
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

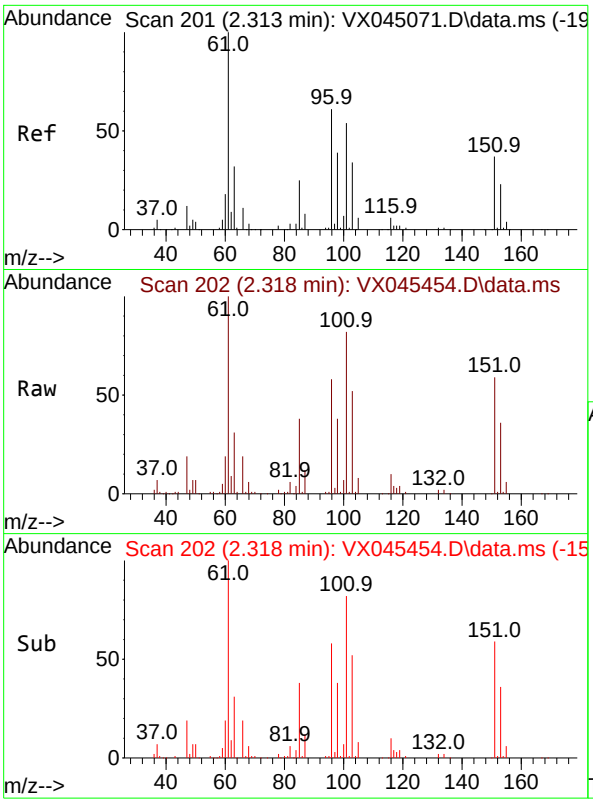


#8
Diethyl Ether
Concen: 46.419 ug/l
RT: 2.129 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX045454.D
Acq: 25 Mar 2025 20:37

Tgt Ion: 74 Resp: 29565

Ion	Ratio	Lower	Upper
74	100		
45	106.8	51.5	154.5





#9
1,1,2-Trichlorotrifluoroethane
Concen: 61.530 ug/l
RT: 2.318 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX045454.D
Acq: 25 Mar 2025 20:37

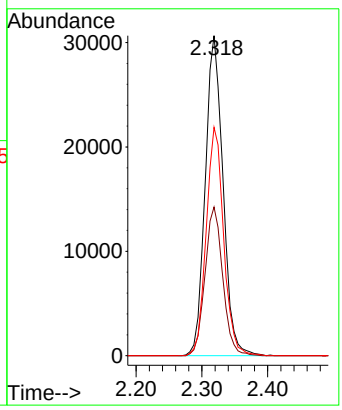
Tgt Ion:101 Resp: 5756

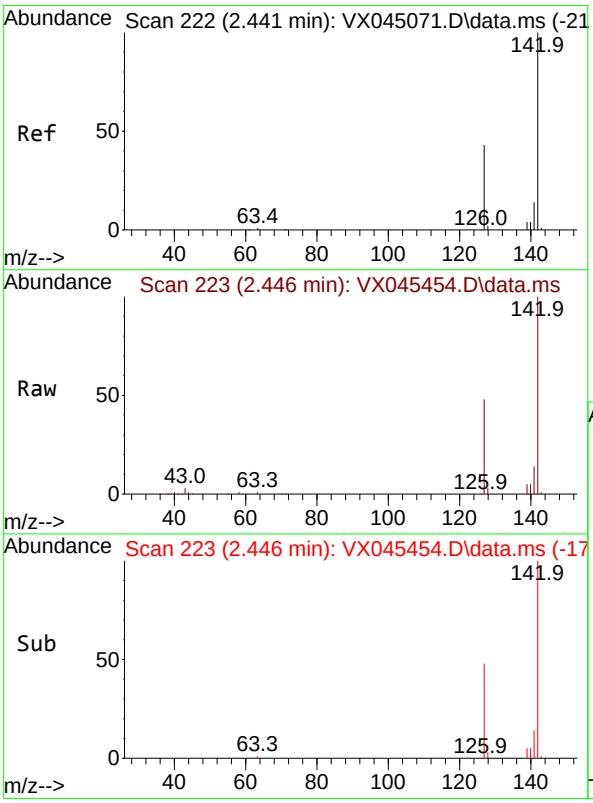
Ion	Ratio	Lower	Upper
101	100		
85	46.4	36.2	54.4
151	70.3	56.4	84.6

Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MSD

Manual Integrations
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Reviewed By :John Carlone 03/26/2025
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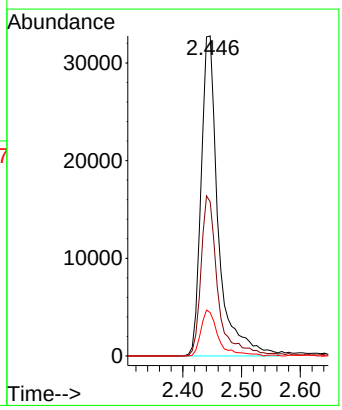


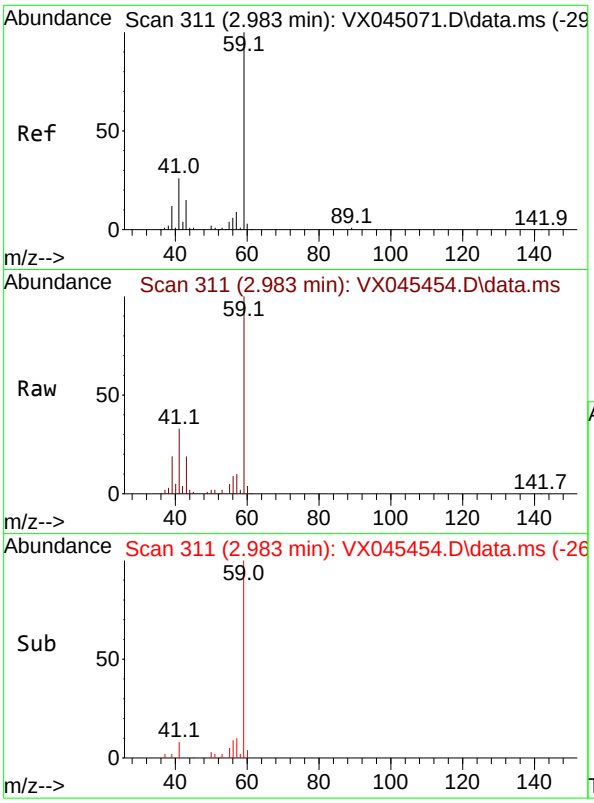


#10
Methyl Iodide
Concen: 57.057 ug/l
RT: 2.446 min Scan# 223
Delta R.T. 0.006 min
Lab File: VX045454.D
Acq: 25 Mar 2025 20:37

Tgt Ion:142 Resp: 66707

Ion	Ratio	Lower	Upper
142	100		
127	49.7	35.4	53.2
141	14.4	11.6	17.4

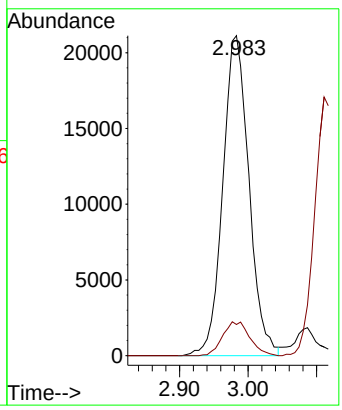




#11
Tert butyl alcohol
Concen: 230.904 ug/l
RT: 2.983 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045454.D
Acq: 25 Mar 2025 20:37

Tgt Ion: 59 Resp: 5599

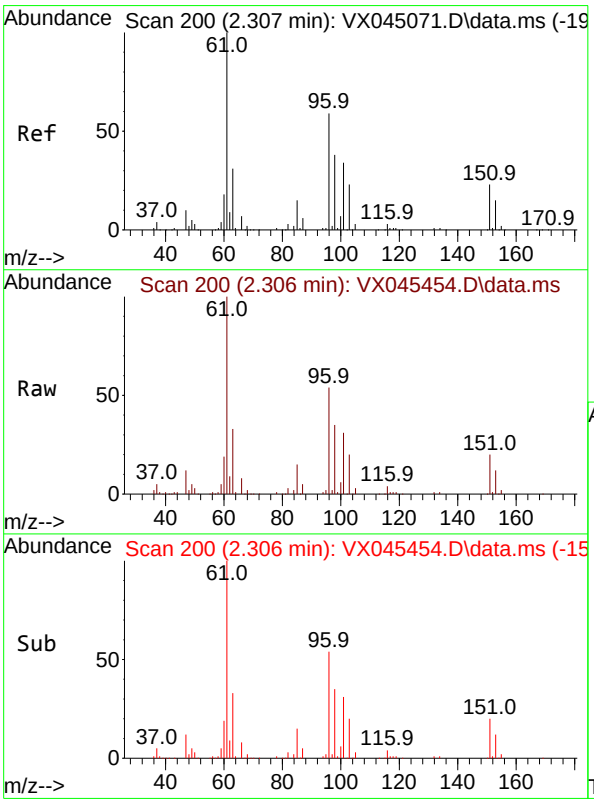
Ion	Ratio	Lower	Upper
59	100		
57	11.1	7.8	11.8



Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MSD

Manual Integrations
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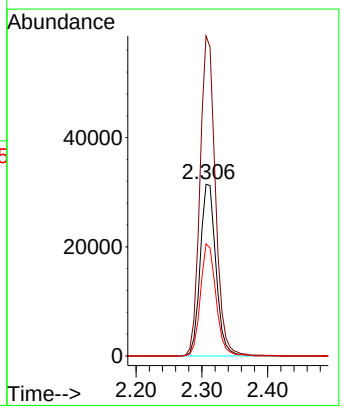
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

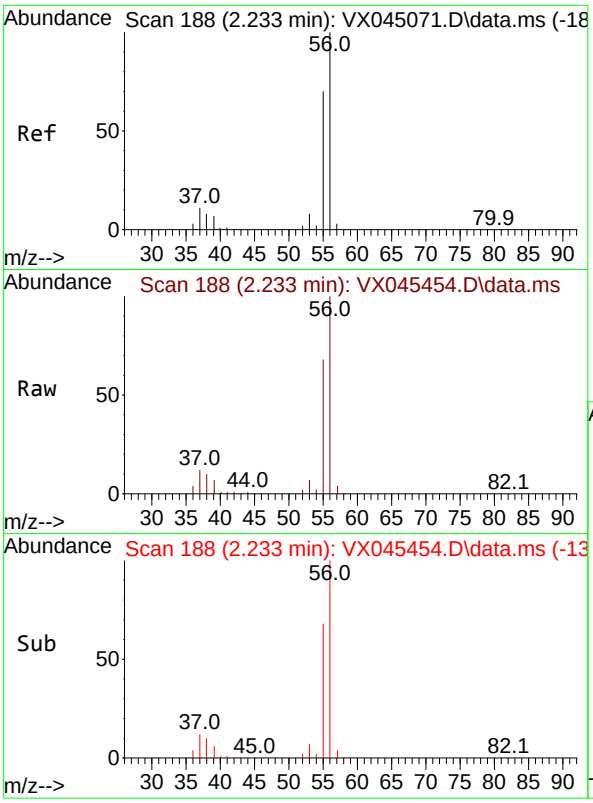


#12
1,1-Dichloroethene
Concen: 52.882 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX045454.D
Acq: 25 Mar 2025 20:37

Tgt Ion: 96 Resp: 52305

Ion	Ratio	Lower	Upper
96	100		
61	186.4	134.6	202.0
98	65.4	51.0	76.6





#13
Acrolein
Concen: 277.835 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045454.D
Acq: 25 Mar 2025 20:37

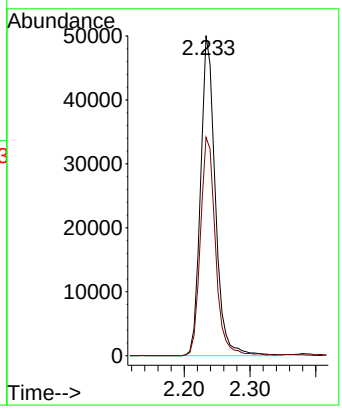
Tgt Ion: 56 Resp: 7789

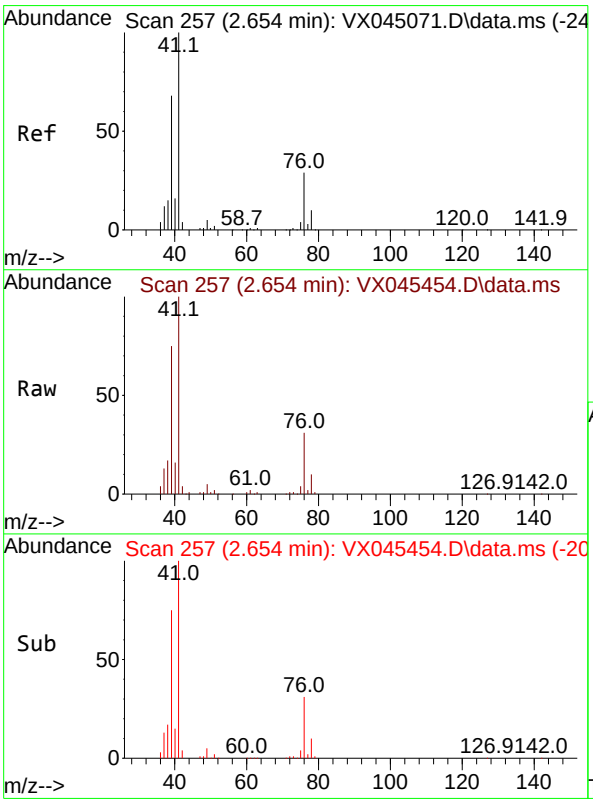
Ion	Ratio	Lower	Upper
56	100		
55	70.1	56.2	84.4

Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MSD

Manual Integrations
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Reviewed By :John Carlone 03/26/2025
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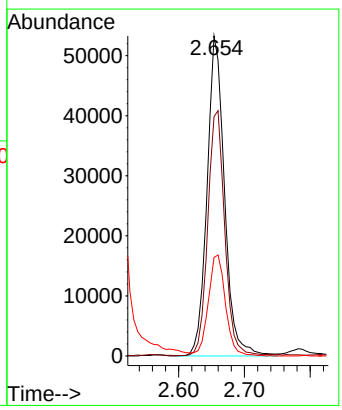


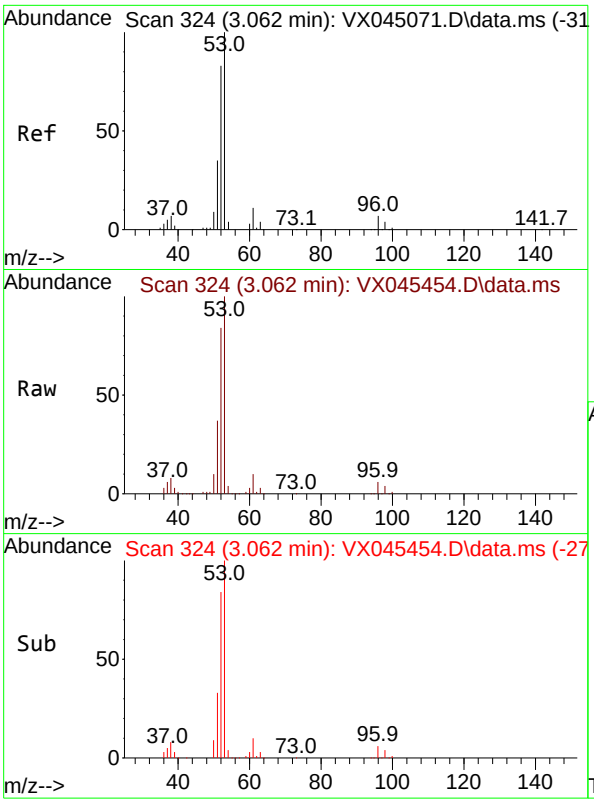


#14
Allyl chloride
Concen: 56.155 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX045454.D
Acq: 25 Mar 2025 20:37

Tgt Ion: 41 Resp: 98868

Ion	Ratio	Lower	Upper
41	100		
39	74.2	53.8	80.8
76	31.1	25.2	37.8





#15
Acrylonitrile
Concen: 261.705 ug/l
RT: 3.062 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045454.D
Acq: 25 Mar 2025 20:37

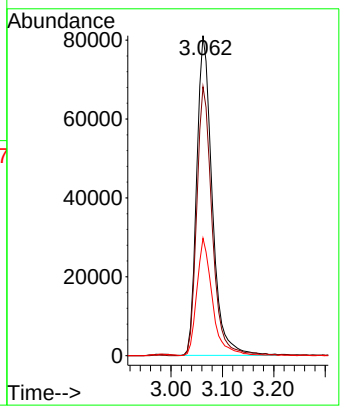
Tgt Ion: 53 Resp: 17010

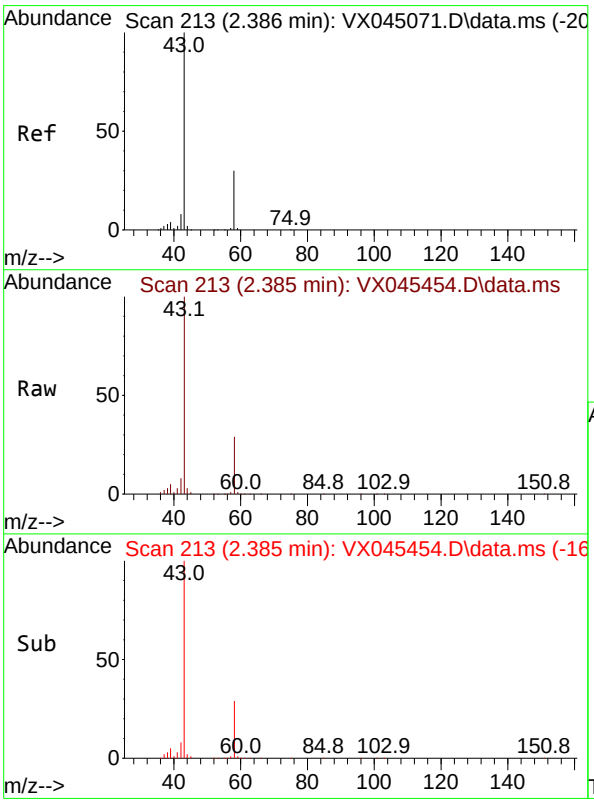
Ion	Ratio	Lower	Upper
53	100		
52	83.8	66.2	99.2
51	37.3	29.0	43.4

Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MSD

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

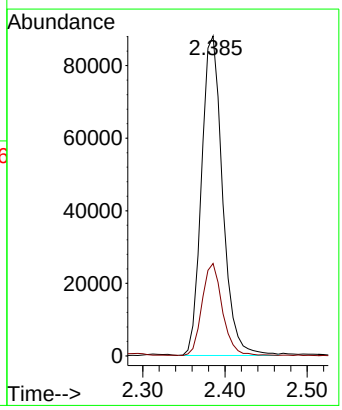


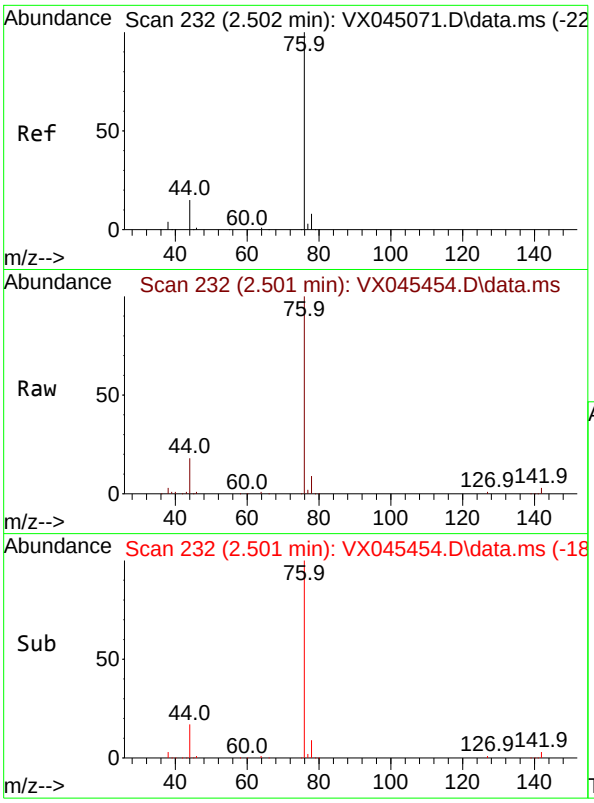


#16
Acetone
Concen: 263.962 ug/l
RT: 2.385 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX045454.D
Acq: 25 Mar 2025 20:37

Tgt Ion: 43 Resp: 156806

Ion	Ratio	Lower	Upper
43	100		
58	28.8	24.2	36.4

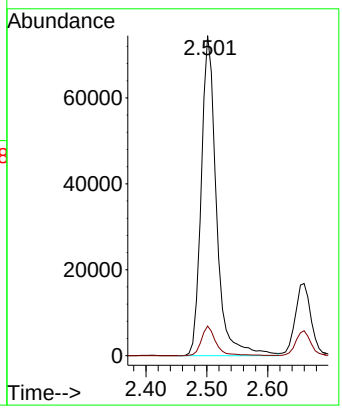




#17
Carbon Disulfide
Concen: 49.084 ug/l
RT: 2.501 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045454.D
Acq: 25 Mar 2025 20:37

Tgt Ion: 76 Resp: 12930

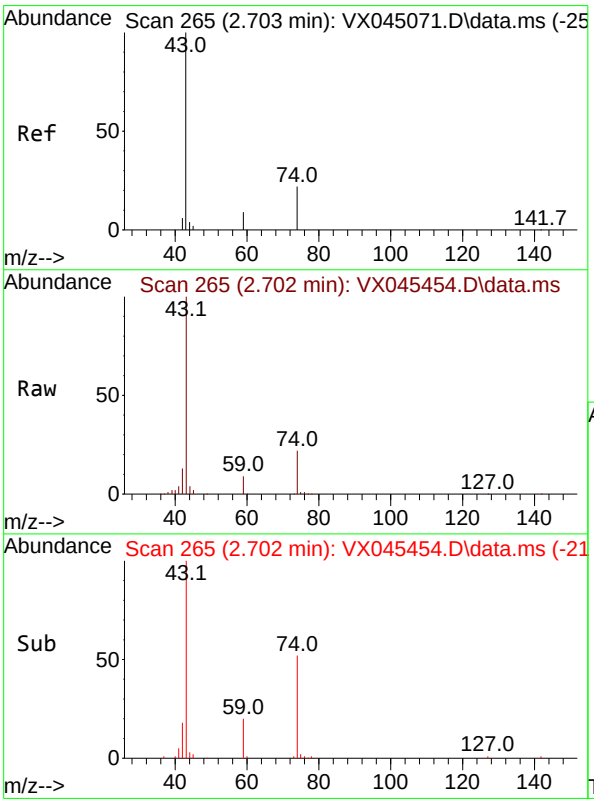
Ion	Ratio	Lower	Upper
76	100		
78	9.2	6.6	9.8



Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MSD

Manual Integrations
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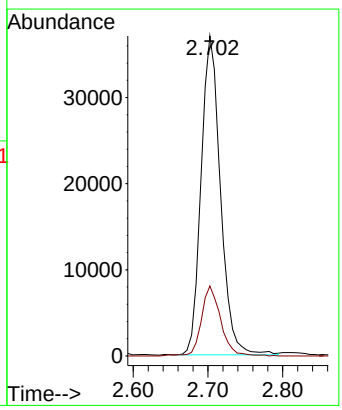
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

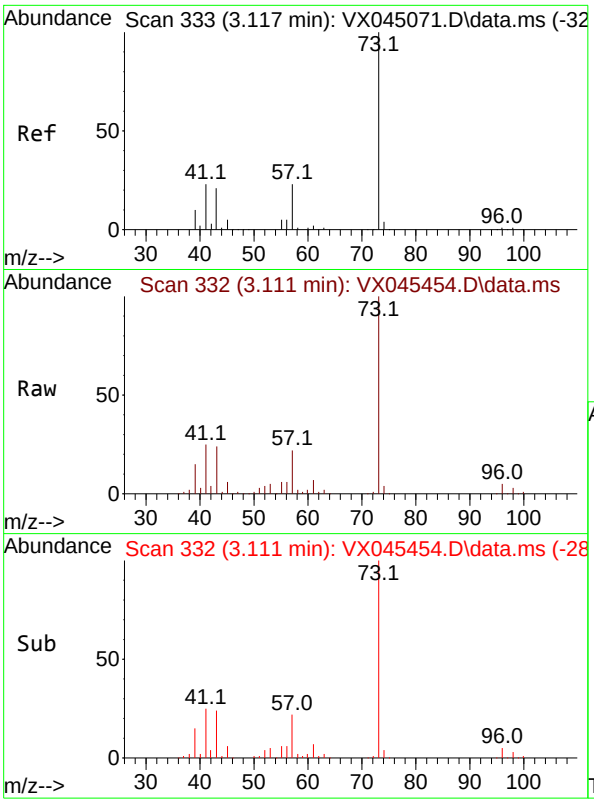


#18
Methyl Acetate
Concen: 46.584 ug/l
RT: 2.702 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX045454.D
Acq: 25 Mar 2025 20:37

Tgt Ion: 43 Resp: 66573

Ion	Ratio	Lower	Upper
43	100		
74	21.9	17.4	26.2

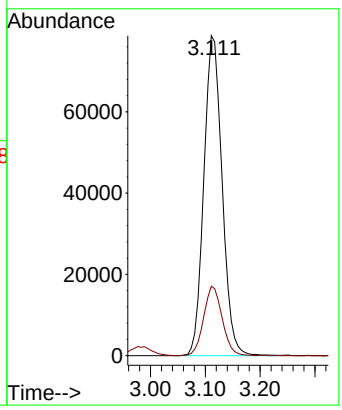




#19
Methyl tert-butyl Ether
Concen: 54.859 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045454.D
Acq: 25 Mar 2025 20:37

Tgt Ion: 73 Resp: 18204

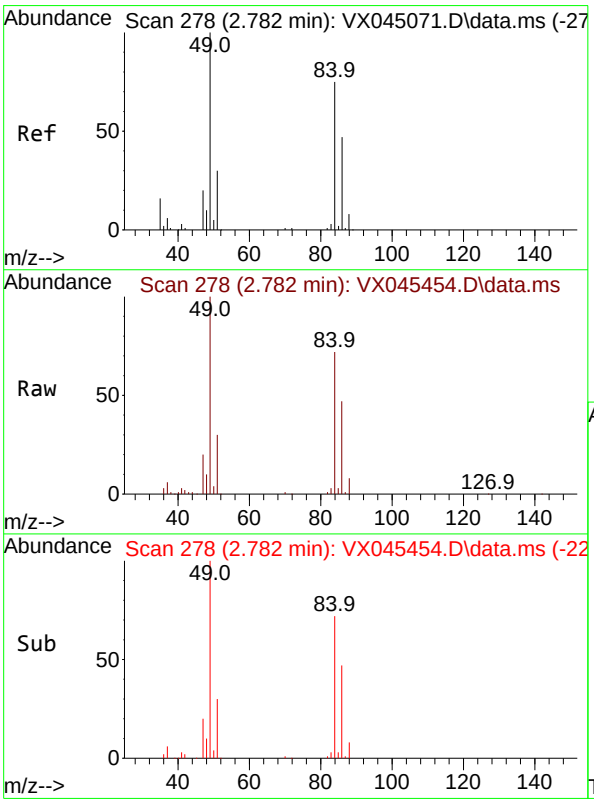
Ion	Ratio	Lower	Upper
73	100		
57	21.7	18.5	27.7



Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MSD

Manual Integrations
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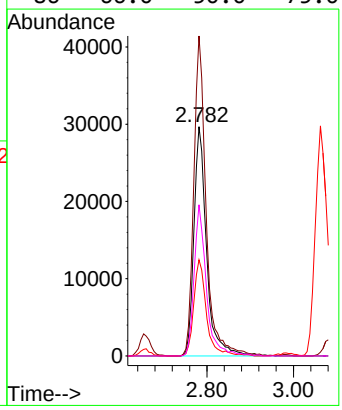
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

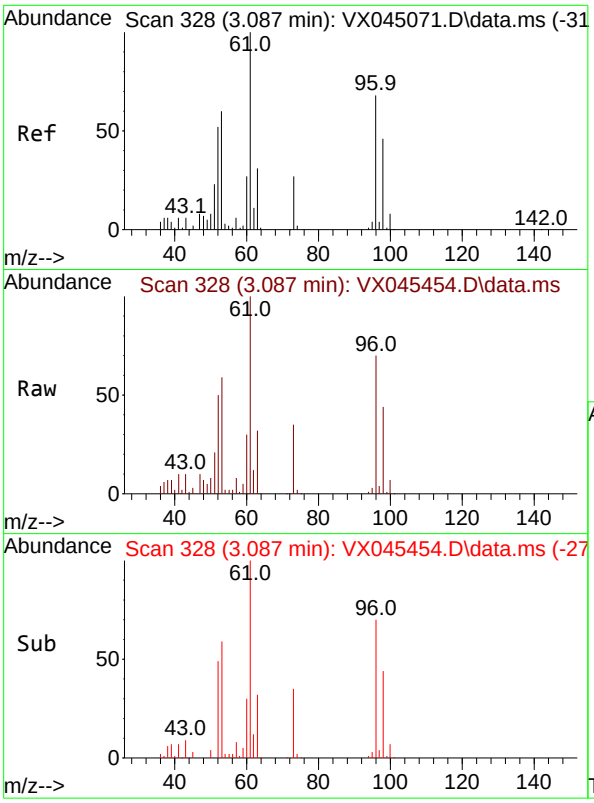


#20
Methylene Chloride
Concen: 51.413 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX045454.D
Acq: 25 Mar 2025 20:37

Tgt Ion: 84 Resp: 60500

Ion	Ratio	Lower	Upper
84	100		
49	139.6	106.5	159.7
51	41.9	32.1	48.1
86	66.0	50.0	75.0

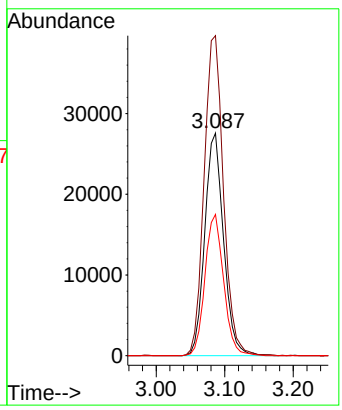




#21
trans-1,2-Dichloroethene
Concen: 53.819 ug/l
RT: 3.087 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045454.D
Acq: 25 Mar 2025 20:37

Tgt Ion: 96 Resp: 5258

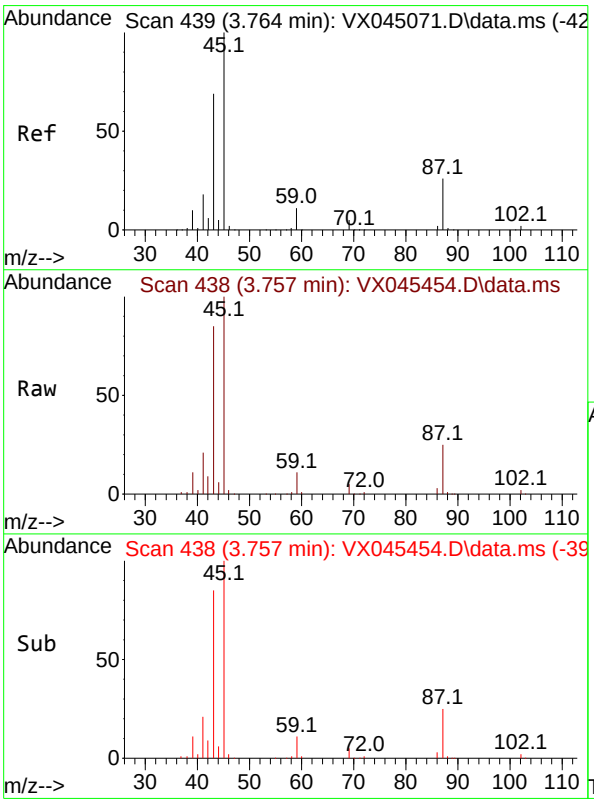
Ion	Ratio	Lower	Upper
96	100		
61	143.8	117.0	175.4
98	63.5	53.4	80.2



Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MSD

Manual Integrations
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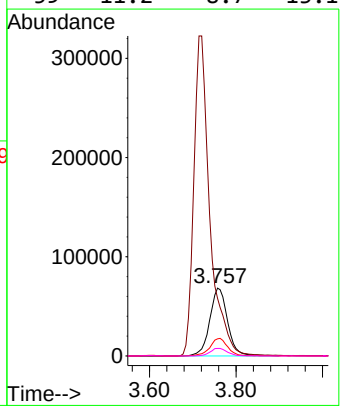
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

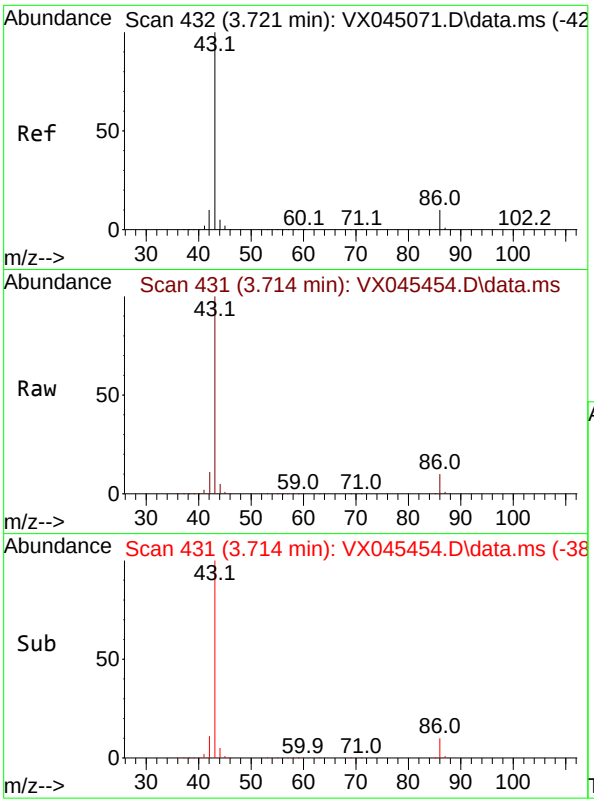


#22
Diisopropyl ether
Concen: 54.509 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.006 min
Lab File: VX045454.D
Acq: 25 Mar 2025 20:37

Tgt Ion: 45 Resp: 195179

Ion	Ratio	Lower	Upper
45	100		
43	84.7	54.9	82.3#
87	25.2	21.0	31.4
59	11.2	8.7	13.1





#23
Vinyl Acetate
Concen: 278.193 ug/l
RT: 3.714 min Scan# 4
Delta R.T. -0.006 min
Lab File: VX045454.D
Acq: 25 Mar 2025 20:37

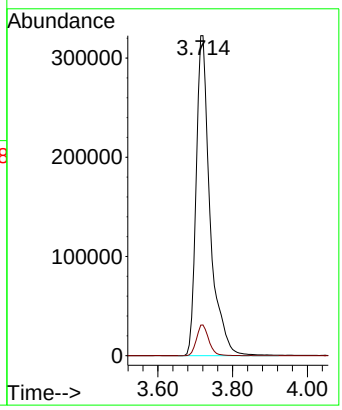
Tgt Ion: 43 Resp: 83126

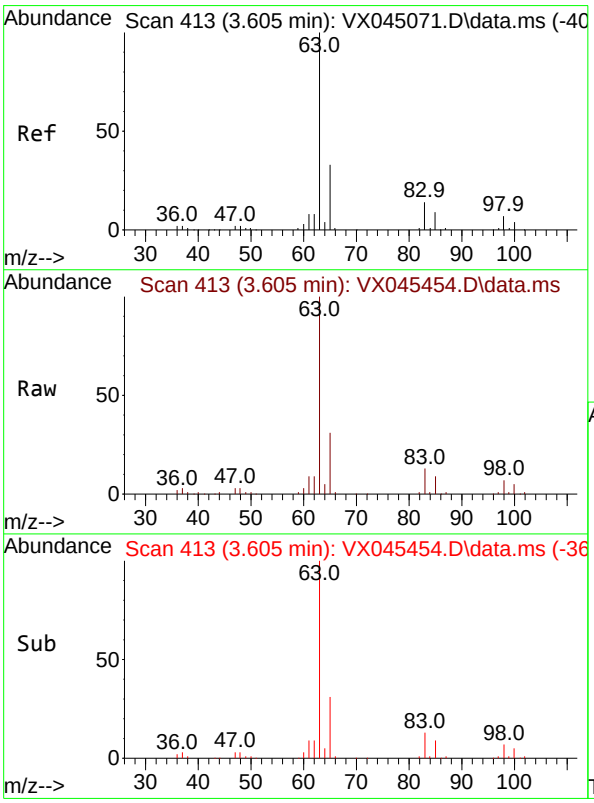
Ion	Ratio	Lower	Upper
43	100		
86	9.5	8.1	12.1

Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MSD

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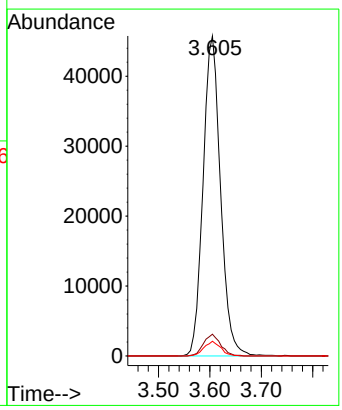


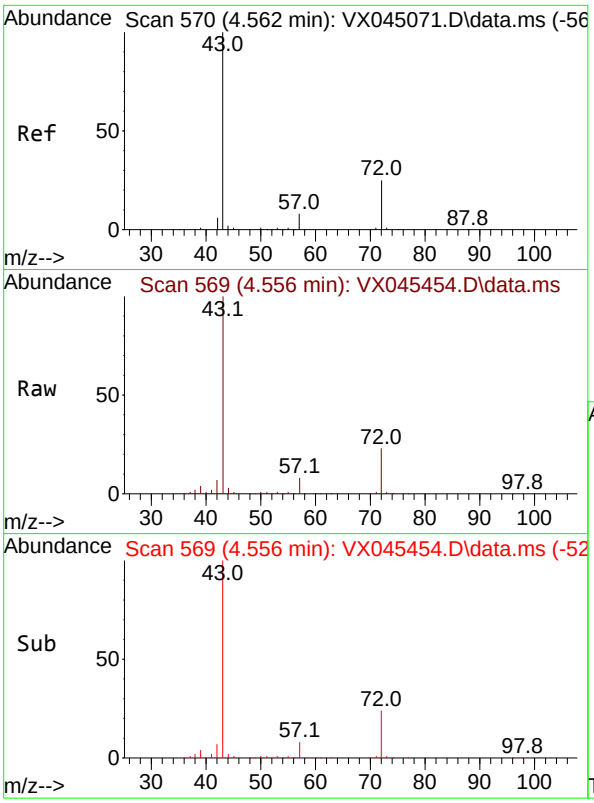


#24
1,1-Dichloroethane
Concen: 53.791 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX045454.D
Acq: 25 Mar 2025 20:37

Tgt Ion: 63 Resp: 107944

Ion	Ratio	Lower	Upper
63	100		
98	6.8	3.4	10.2
100	4.6	2.1	6.5





#25
2-Butanone
Concen: 273.114 ug/l
RT: 4.556 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX045454.D
Acq: 25 Mar 2025 20:37

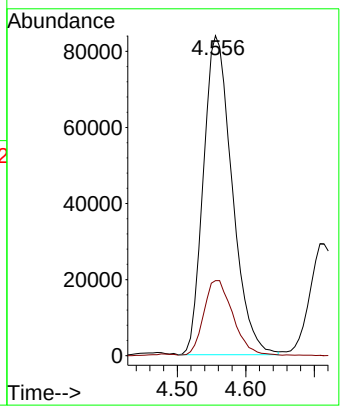
Tgt Ion: 43 Resp: 24421

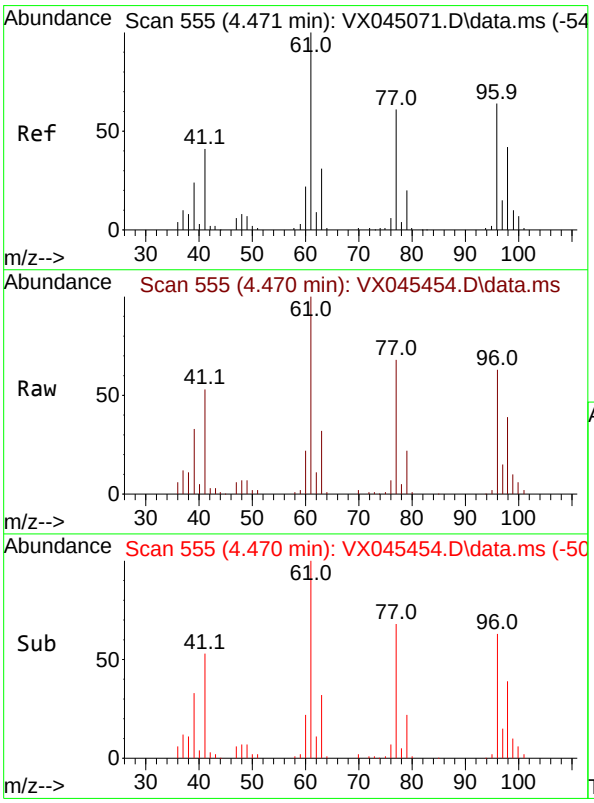
Ion	Ratio	Lower	Upper
43	100		
72	23.3	20.0	30.0

Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MSD

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Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

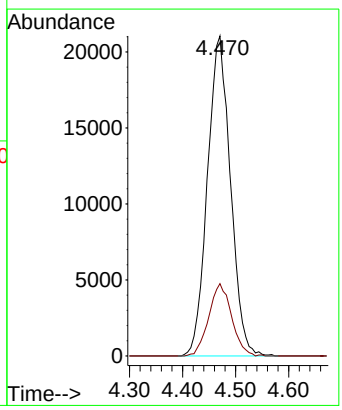


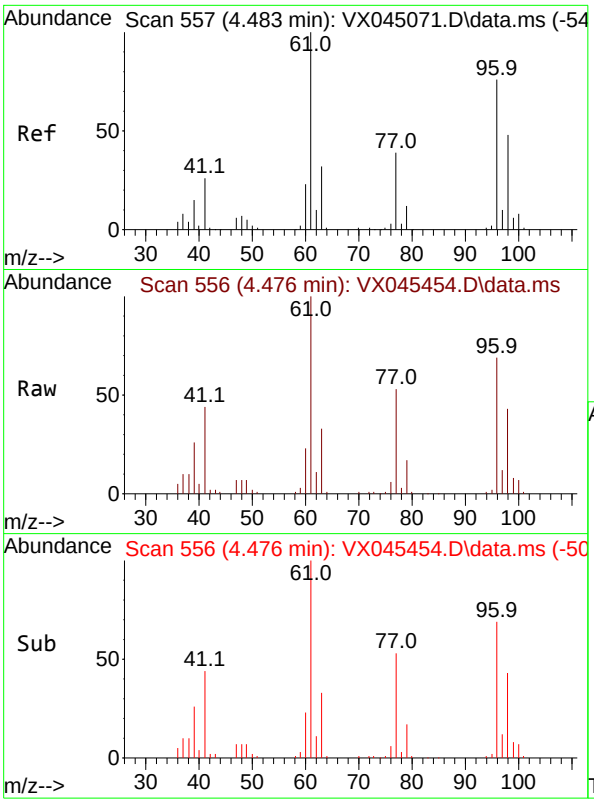


#26
2,2-Dichloropropane
Concen: 67.439 ug/l
RT: 4.470 min Scan# 555
Delta R.T. -0.000 min
Lab File: VX045454.D
Acq: 25 Mar 2025 20:37

Tgt Ion: 77 Resp: 63478

Ion	Ratio	Lower	Upper
77	100		
97	22.5	12.4	37.0

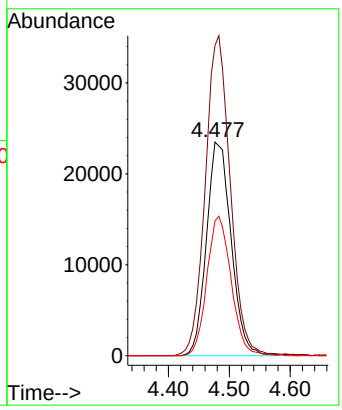




#27
cis-1,2-Dichloroethene
Concen: 54.879 ug/l
RT: 4.476 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX045454.D
Acq: 25 Mar 2025 20:37

Tgt Ion: 96 Resp: 6619

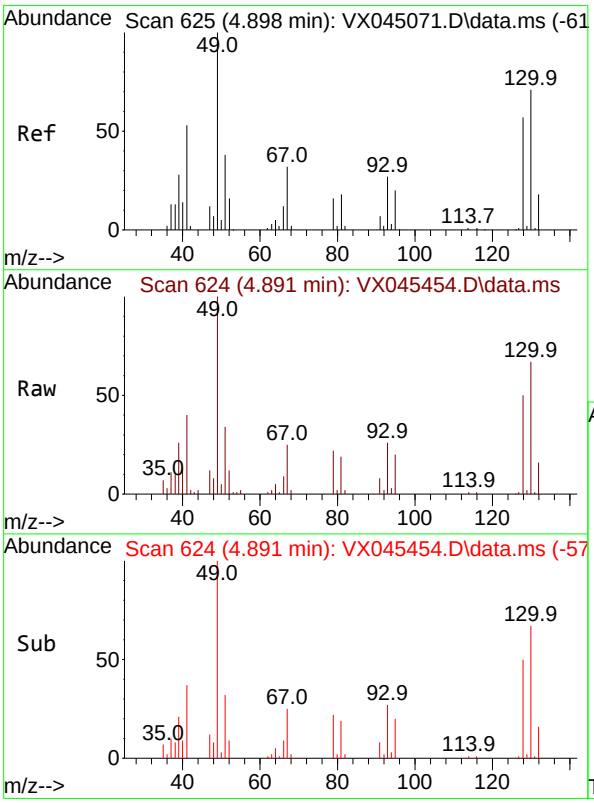
Ion	Ratio	Lower	Upper
96	100		
61	152.2	0.0	283.2
98	64.1	0.0	128.0



Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MSD

Manual Integrations
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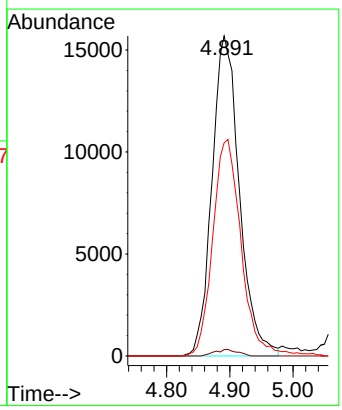
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

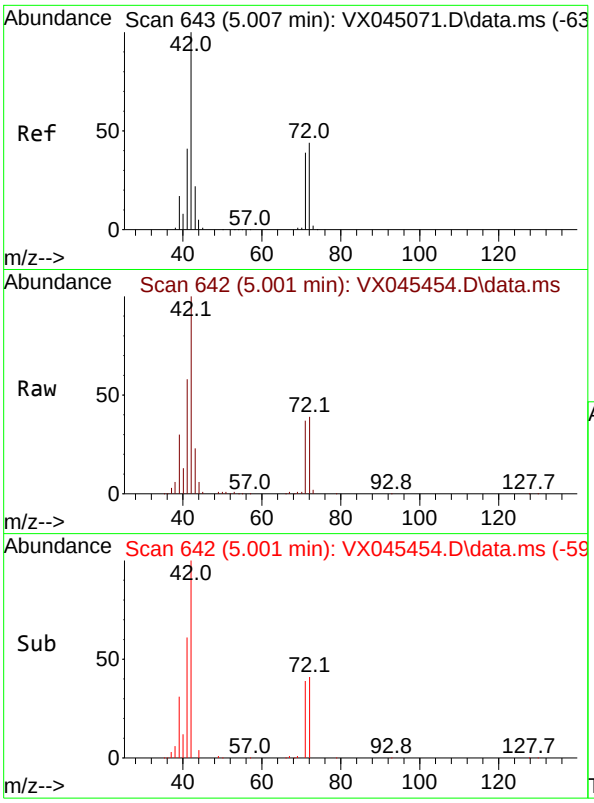


#28
Bromochloromethane
Concen: 49.398 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX045454.D
Acq: 25 Mar 2025 20:37

Tgt Ion: 49 Resp: 47249

Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.4
130	70.1	56.1	84.1





#29
Tetrahydrofuran
Concen: 257.569 ug/l
RT: 5.001 min Scan# 64
Delta R.T. -0.006 min
Lab File: VX045454.D
Acq: 25 Mar 2025 20:37

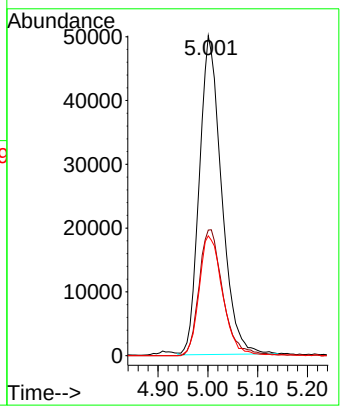
Tgt Ion: 42 Resp: 15466

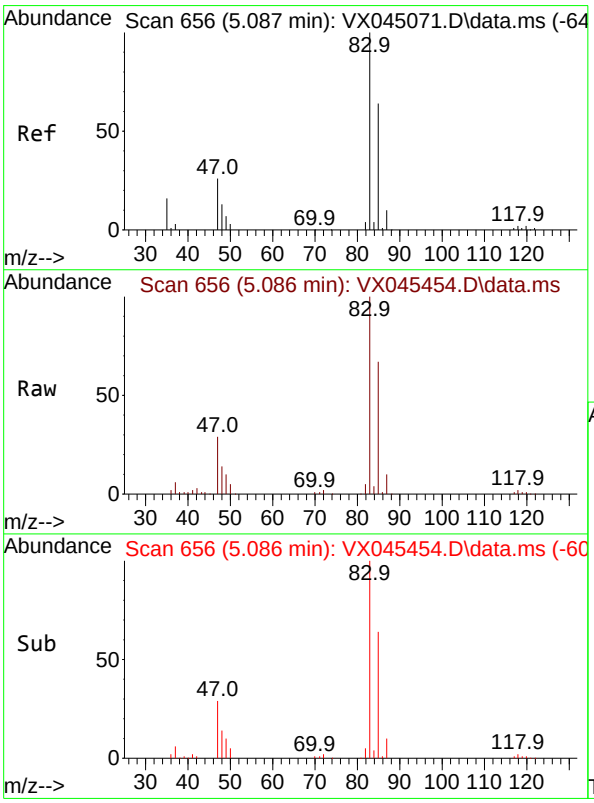
Ion	Ratio	Lower	Upper
42	100		
72	42.3	34.1	51.1
71	39.7	31.4	47.0

Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MSD

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Reviewed By :John Carlone 03/26/2025
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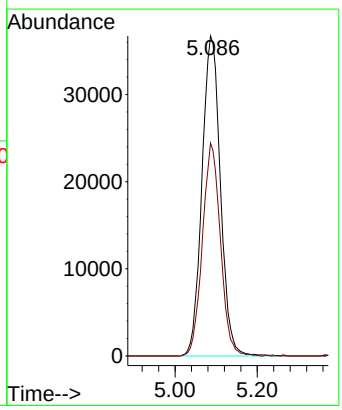


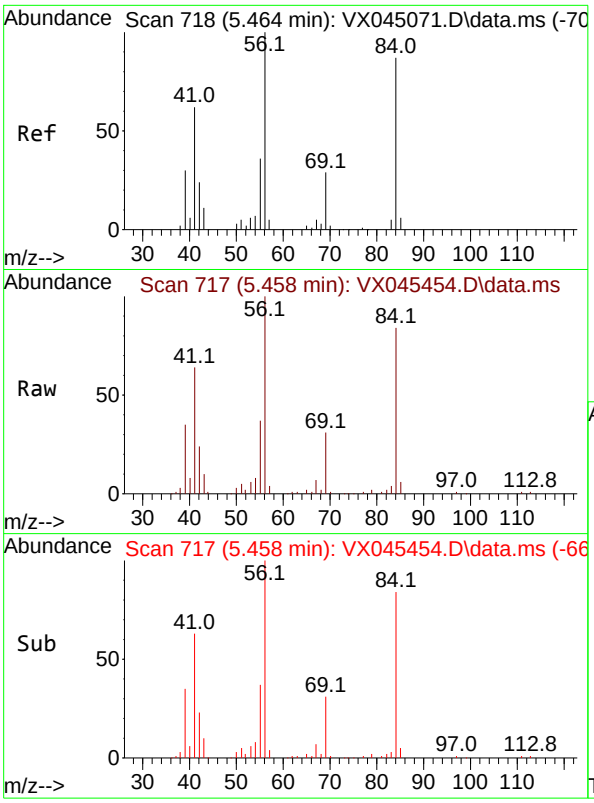


#30
Chloroform
Concen: 57.384 ug/l
RT: 5.086 min Scan# 656
Delta R.T. -0.000 min
Lab File: VX045454.D
Acq: 25 Mar 2025 20:37

Tgt Ion: 83 Resp: 114418

Ion	Ratio	Lower	Upper
83	100		
85	66.5	51.4	77.2

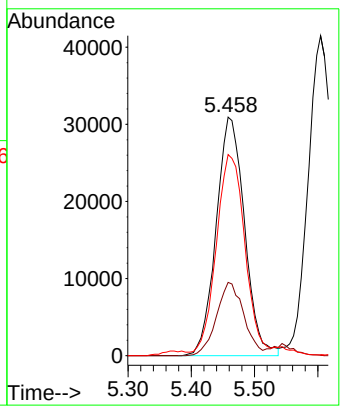




#31
Cyclohexane
Concen: 55.352 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045454.D
Acq: 25 Mar 2025 20:37

Tgt Ion: 56 Resp: 9642

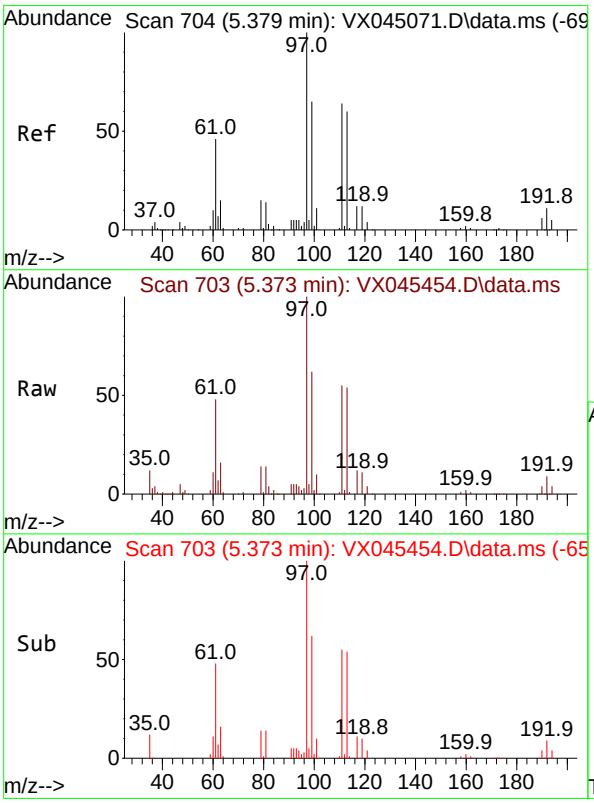
Ion	Ratio	Lower	Upper
56	100		
69	30.7	23.4	35.2
84	82.7	69.4	104.2



Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MSD

Manual Integrations
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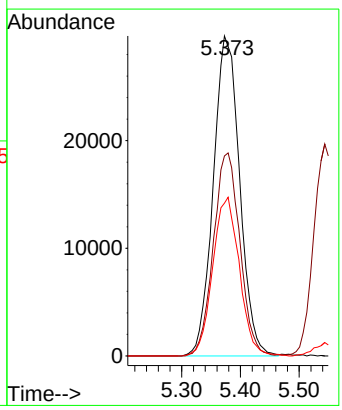
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

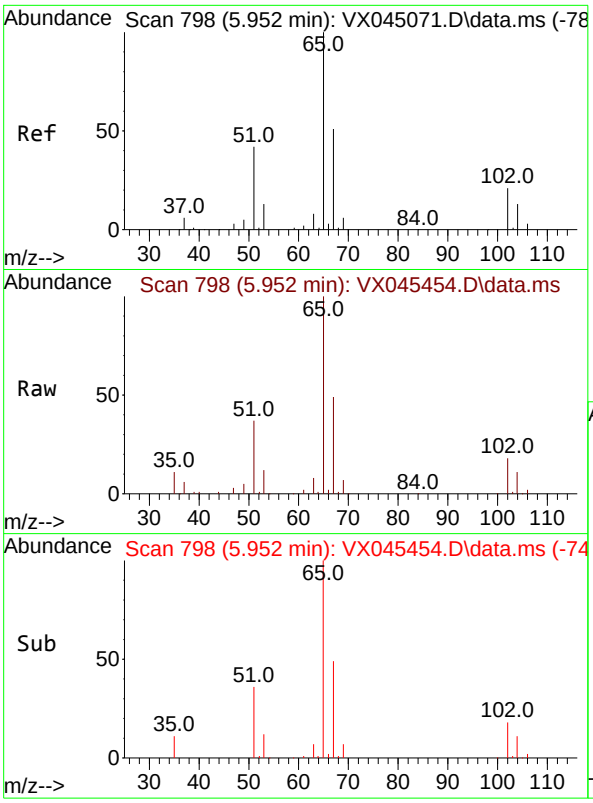


#32
1,1,1-Trichloroethane
Concen: 57.630 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.006 min
Lab File: VX045454.D
Acq: 25 Mar 2025 20:37

Tgt Ion: 97 Resp: 92807

Ion	Ratio	Lower	Upper
97	100		
99	63.7	51.6	77.4
61	50.1	38.4	57.6

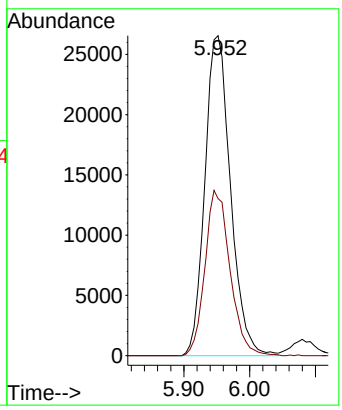




#33
1,2-Dichloroethane-d4
Concen: 56.293 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045454.D
Acq: 25 Mar 2025 20:37

Tgt Ion: 65 Resp: 7207

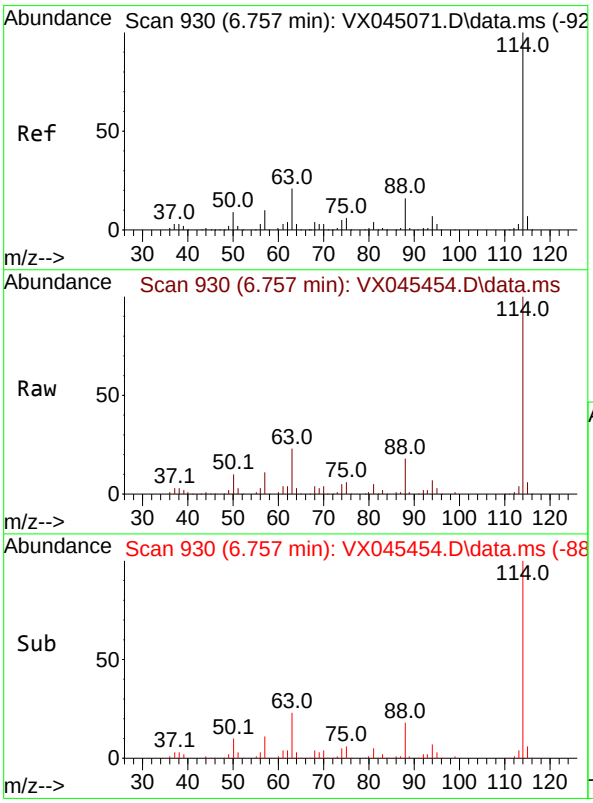
Ion	Ratio	Lower	Upper
65	100		
67	50.5	0.0	106.2



Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MSD

Manual Integrations
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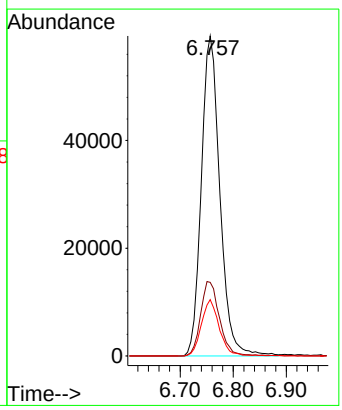
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

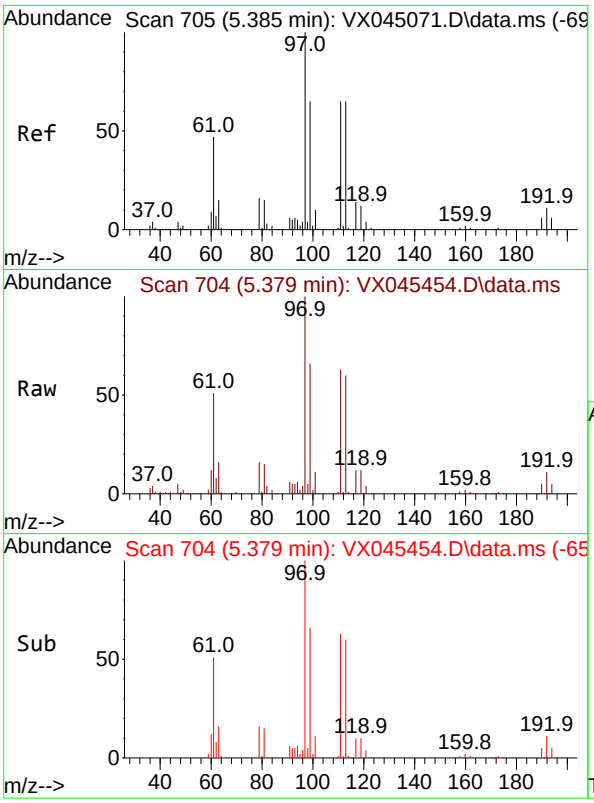


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX045454.D
Acq: 25 Mar 2025 20:37

Tgt Ion:114 Resp: 144565

Ion	Ratio	Lower	Upper
114	100		
63	23.0	0.0	41.8
88	17.6	0.0	32.8

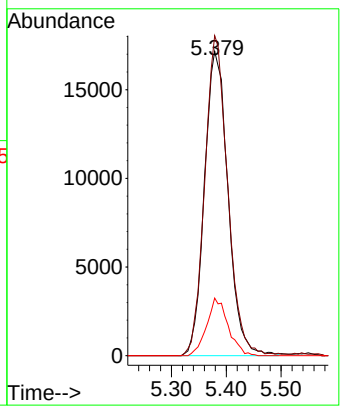




#35
Dibromofluoromethane
Concen: 52.990 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045454.D
Acq: 25 Mar 2025 20:37

Tgt Ion:113 Resp: 5122

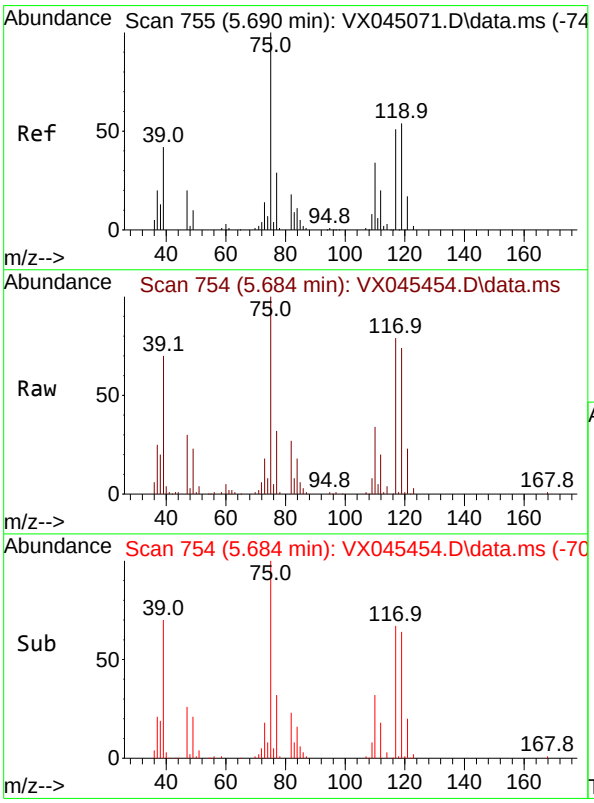
Ion	Ratio	Lower	Upper
113	100		
111	102.6	81.8	122.6
192	17.2	14.3	21.5



Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MSD

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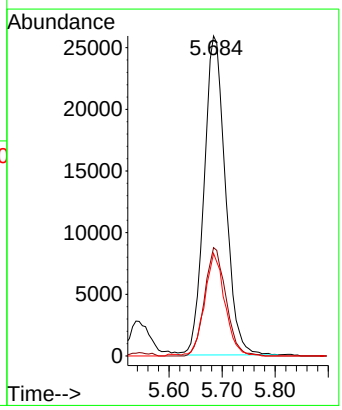
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

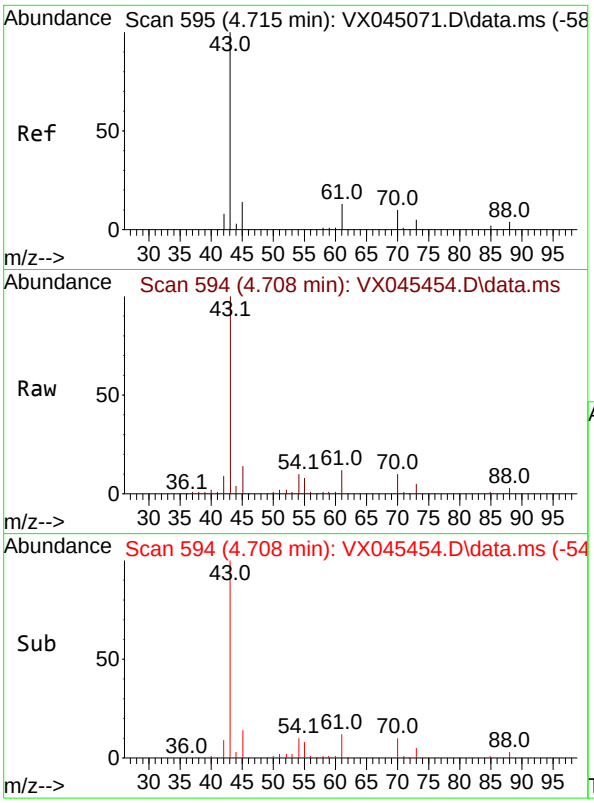


#36
1,1-Dichloropropene
Concen: 54.441 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX045454.D
Acq: 25 Mar 2025 20:37

Tgt Ion: 75 Resp: 72172

Ion	Ratio	Lower	Upper
75	100		
110	33.9	16.9	50.6
77	30.8	24.5	36.7





#37
Ethyl Acetate
Concen: 51.453 ug/l
RT: 4.708 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX045454.D
Acq: 25 Mar 2025 20:37

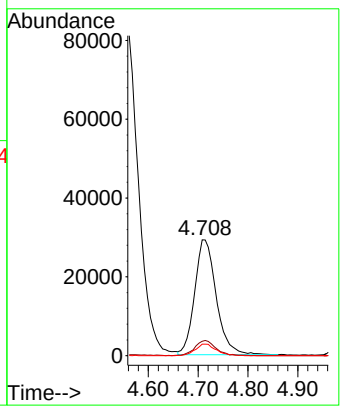
Tgt Ion: 43 Resp: 8789

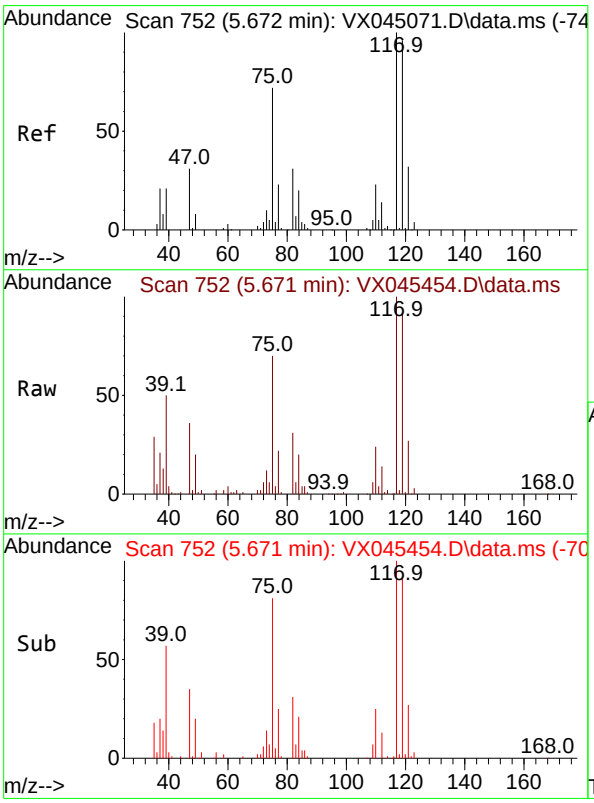
Ion	Ratio	Lower	Upper
43	100		
61	12.9	10.8	16.2
70	9.7	7.7	11.5

Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MSD

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Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

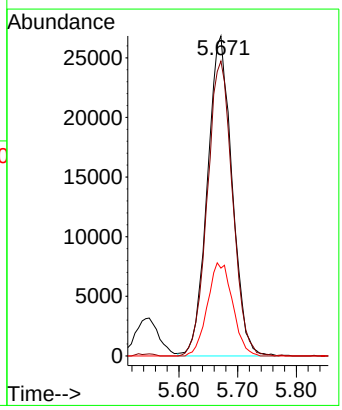


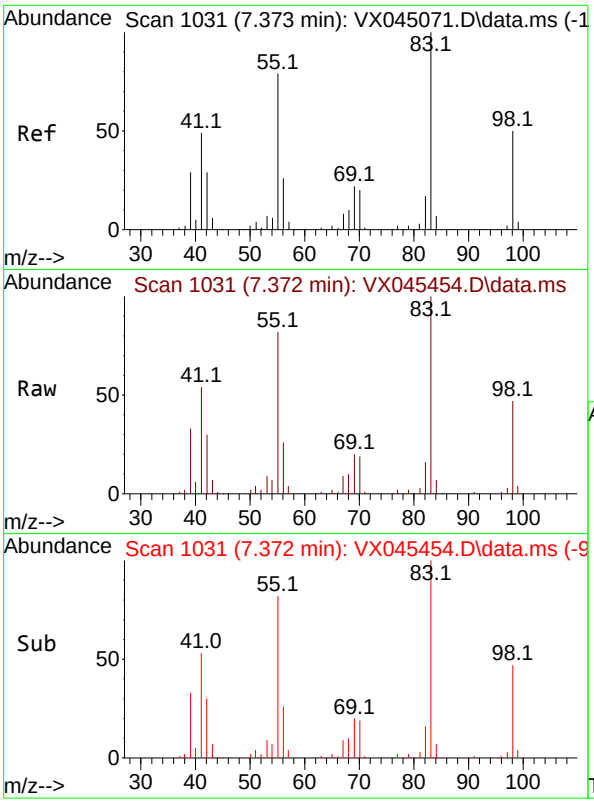


#38
Carbon Tetrachloride
Concen: 58.070 ug/l
RT: 5.671 min Scan# 752
Delta R.T. -0.000 min
Lab File: VX045454.D
Acq: 25 Mar 2025 20:37

Tgt Ion:117 Resp: 78156

Ion	Ratio	Lower	Upper
117	100		
119	92.2	76.7	115.1
121	27.5	25.5	38.3

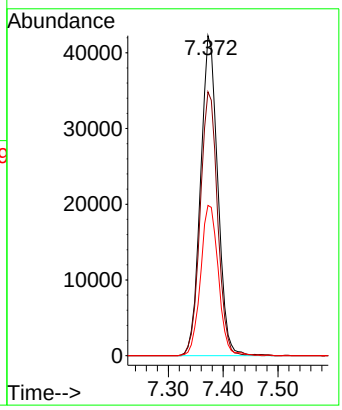




#39
Methylcyclohexane
Concen: 57.921 ug/l
RT: 7.372 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045454.D
Acq: 25 Mar 2025 20:37

Tgt Ion: 83 Resp: 9200

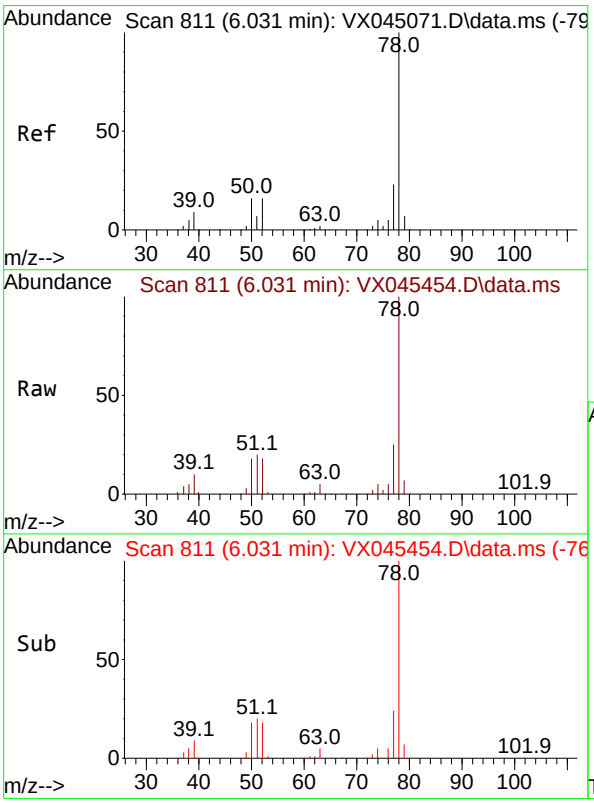
Ion	Ratio	Lower	Upper
83	100		
55	82.5	63.0	94.4
98	46.9	39.7	59.5



Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MSD

Manual Integrations
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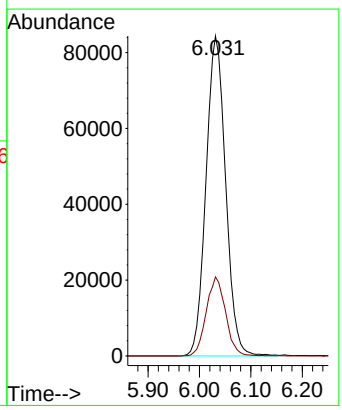
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

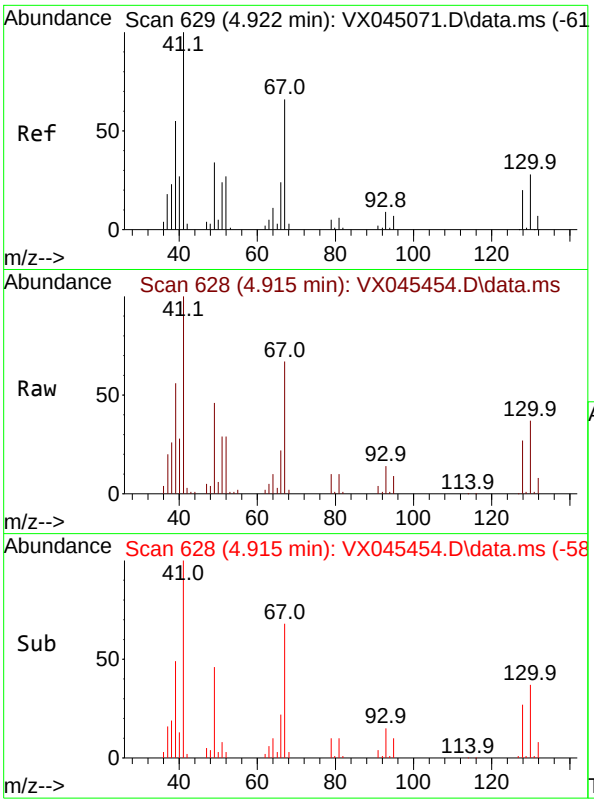


#40
Benzene
Concen: 53.436 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX045454.D
Acq: 25 Mar 2025 20:37

Tgt Ion: 78 Resp: 223694

Ion	Ratio	Lower	Upper
78	100		
77	24.7	18.8	28.2

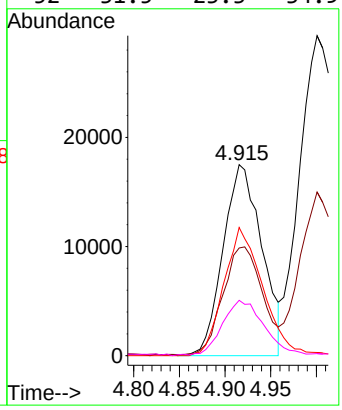




#41
Methacrylonitrile
Concen: 55.883 ug/l
RT: 4.915 min Scan# 6
Delta R.T. -0.006 min
Lab File: VX045454.D
Acq: 25 Mar 2025 20:37

Tgt Ion: 41 Resp: 5161

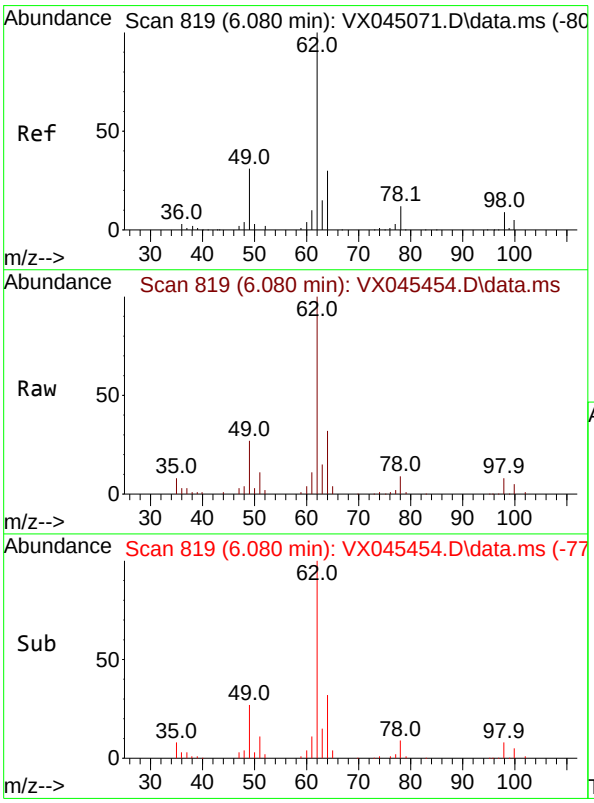
Ion	Ratio	Lower	Upper
41	100		
39	57.3	44.6	67.0
67	68.1	53.9	80.9
52	31.5	23.3	34.9



Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MSD

Manual Integrations
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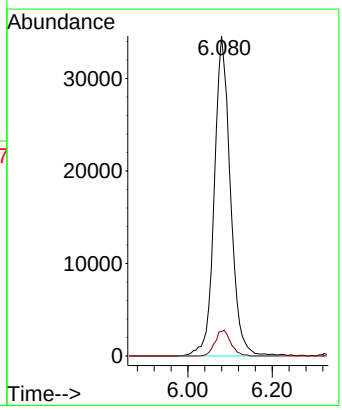
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

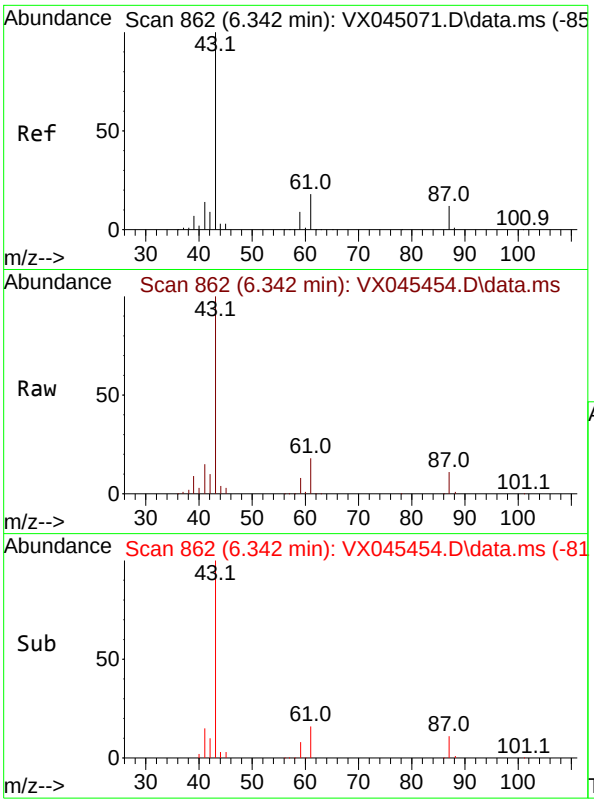


#42
1,2-Dichloroethane
Concen: 60.846 ug/l
RT: 6.080 min Scan# 819
Delta R.T. -0.000 min
Lab File: VX045454.D
Acq: 25 Mar 2025 20:37

Tgt Ion: 62 Resp: 91723

Ion	Ratio	Lower	Upper
62	100		
98	7.8	0.0	18.2

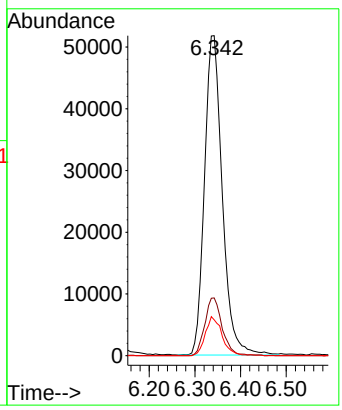




#43
Isopropyl Acetate
Concen: 55.384 ug/l
RT: 6.342 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045454.D
Acq: 25 Mar 2025 20:37

Tgt Ion: 43 Resp: 13990

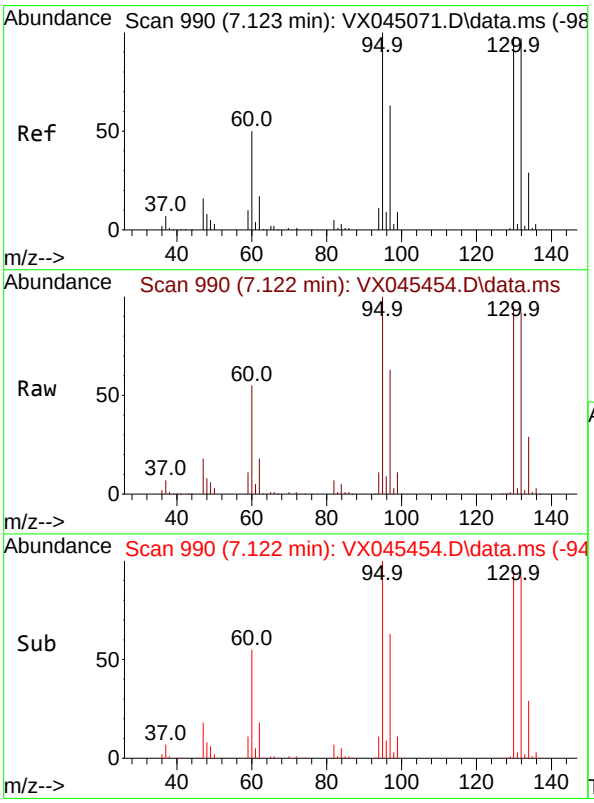
Ion	Ratio	Lower	Upper
43	100		
61	17.7	14.9	22.3
87	11.6	9.4	14.2



Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MSD

Manual Integrations
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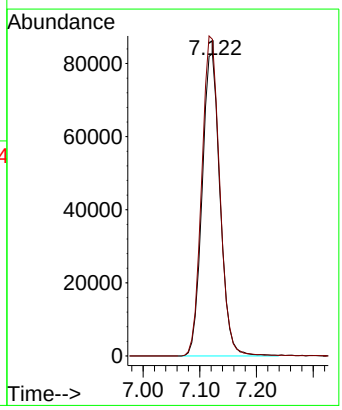
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

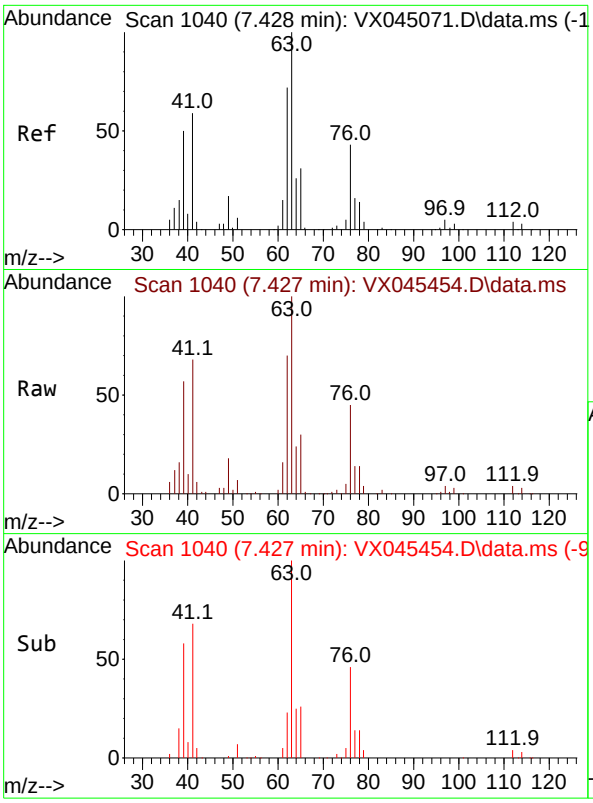


#44
Trichloroethene
Concen: 185.246 ug/l
RT: 7.122 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX045454.D
Acq: 25 Mar 2025 20:37

Tgt Ion:130 Resp: 182090

Ion	Ratio	Lower	Upper
130	100		
95	104.8	0.0	205.0





#45
1,2-Dichloropropane
Concen: 52.730 ug/l
RT: 7.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045454.D
Acq: 25 Mar 2025 20:37

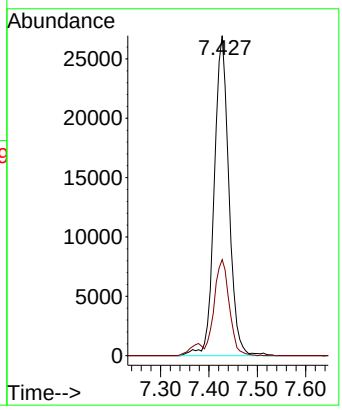
Tgt Ion: 63 Resp: 5675

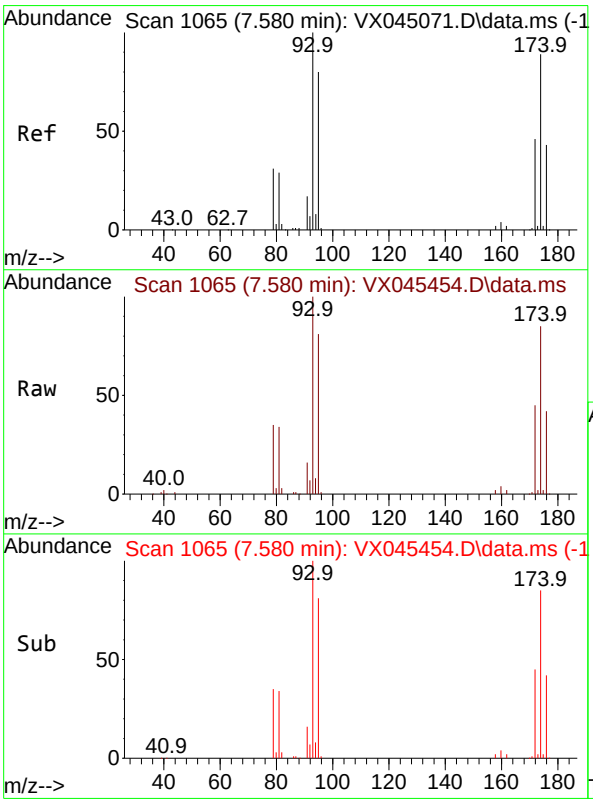
Ion	Ratio	Lower	Upper
63	100		
65	30.0	24.7	37.1

Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MSD

Manual Integrations
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Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

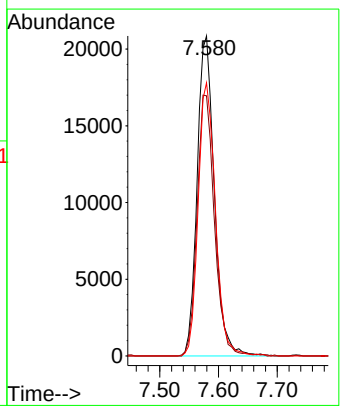


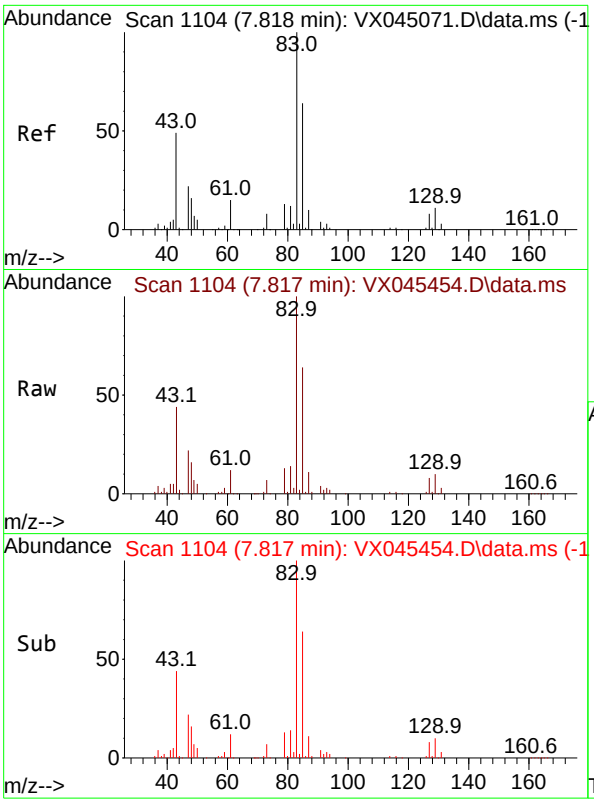


#46
Dibromomethane
Concen: 55.809 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VX045454.D
Acq: 25 Mar 2025 20:37

Tgt Ion: 93 Resp: 42457

Ion	Ratio	Lower	Upper
93	100		
95	82.6	65.8	98.8
174	85.4	72.2	108.2

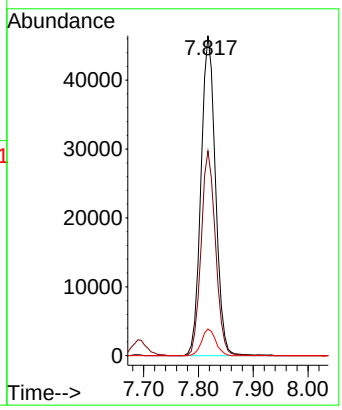




#47
Bromodichloromethane
Concen: 57.051 ug/l
RT: 7.817 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045454.D
Acq: 25 Mar 2025 20:37

Tgt Ion: 83 Resp: 8513

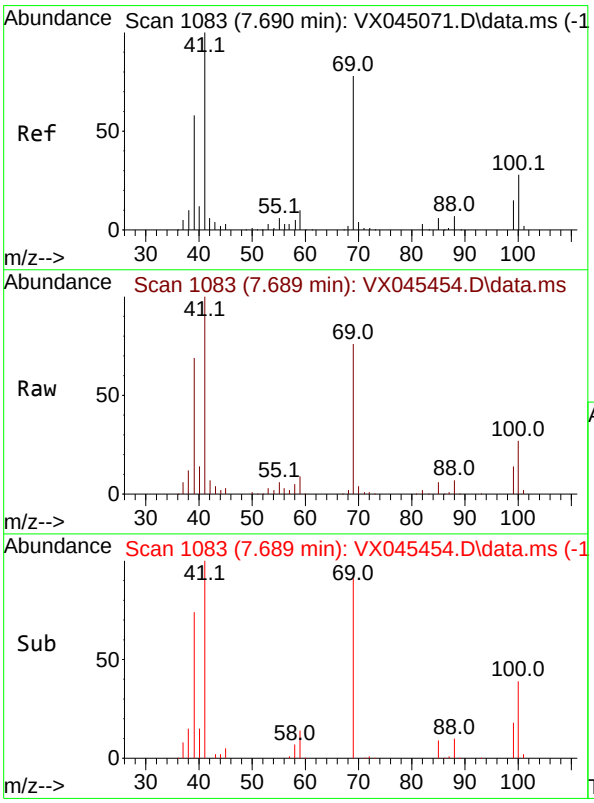
Ion	Ratio	Lower	Upper
83	100		
85	64.0	51.1	76.7
127	8.3	6.4	9.6



Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MSD

Manual Integrations
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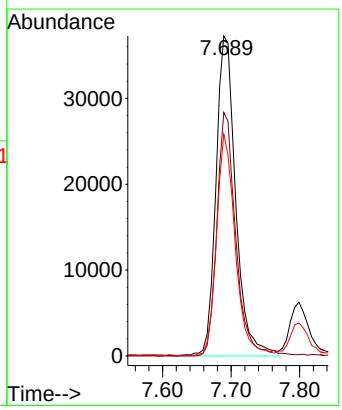
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

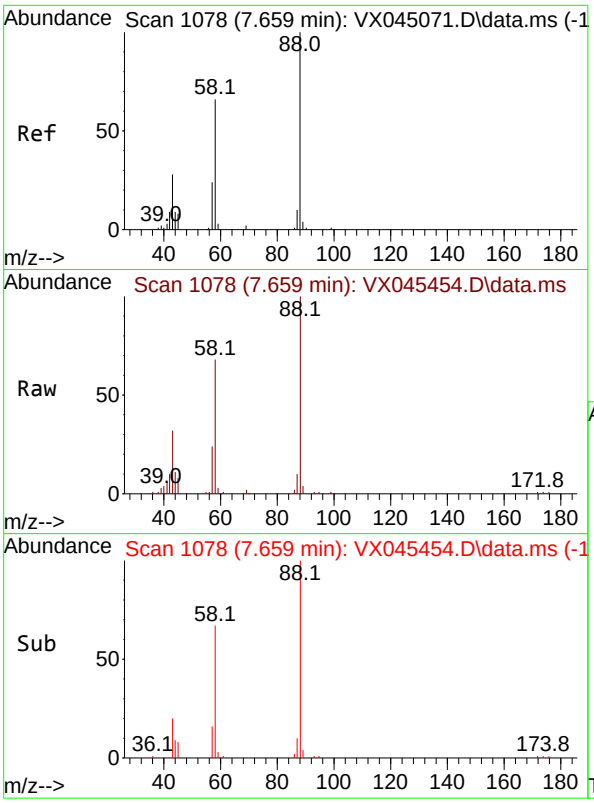


#48
Methyl methacrylate
Concen: 58.769 ug/l
RT: 7.689 min Scan# 1083
Delta R.T. -0.000 min
Lab File: VX045454.D
Acq: 25 Mar 2025 20:37

Tgt Ion: 41 Resp: 74476

Ion	Ratio	Lower	Upper
41	100		
69	72.9	63.0	94.6
39	65.6	47.5	71.3





#49
1,4-Dioxane
Concen: 951.681 ug/l
RT: 7.659 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045454.D
Acq: 25 Mar 2025 20:37

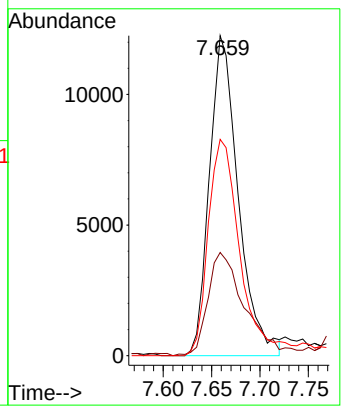
Tgt Ion: 88 Resp: 2544

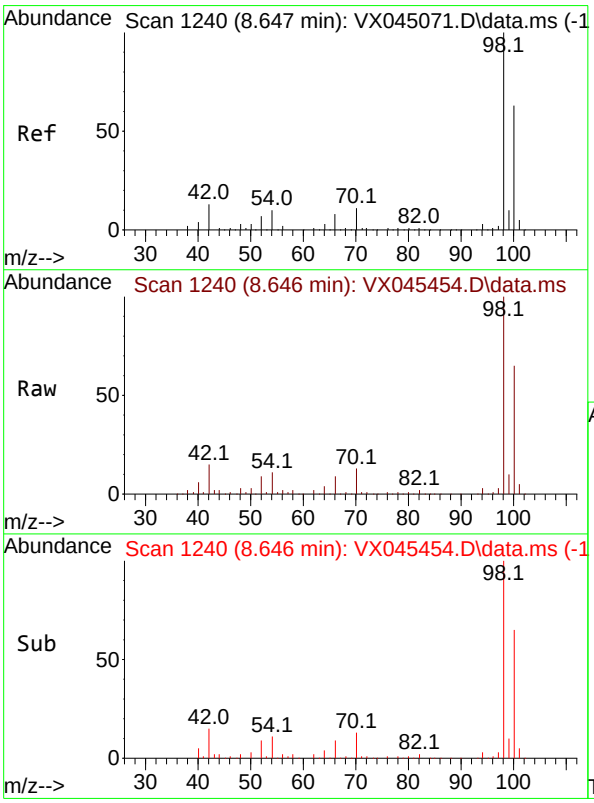
Ion	Ratio	Lower	Upper
88	100		
43	41.4	28.7	43.1
58	74.8	55.8	83.8

Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MSD

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Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

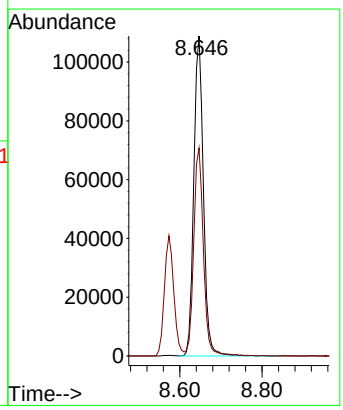


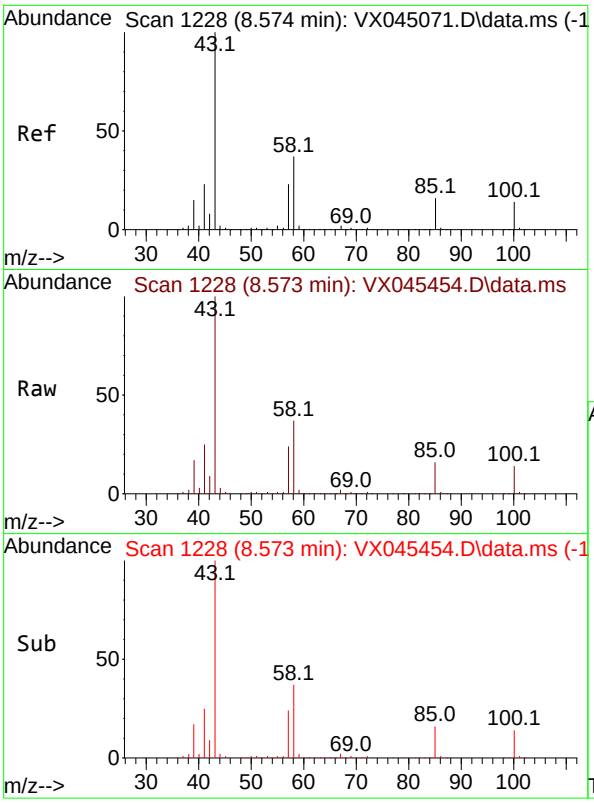


#50
Toluene-d8
Concen: 50.474 ug/l
RT: 8.646 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045454.D
Acq: 25 Mar 2025 20:37

Tgt Ion: 98 Resp: 176887

Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.0	78.0

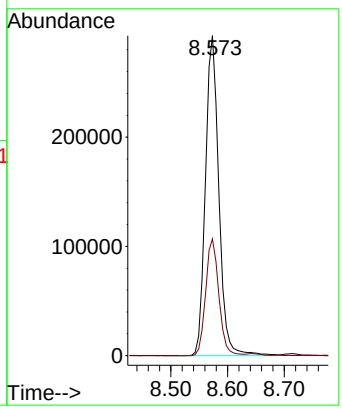




#51
4-Methyl-2-Pentanone
Concen: 284.646 ug/l
RT: 8.573 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045454.D
Acq: 25 Mar 2025 20:37

Tgt Ion: 43 Resp: 48277

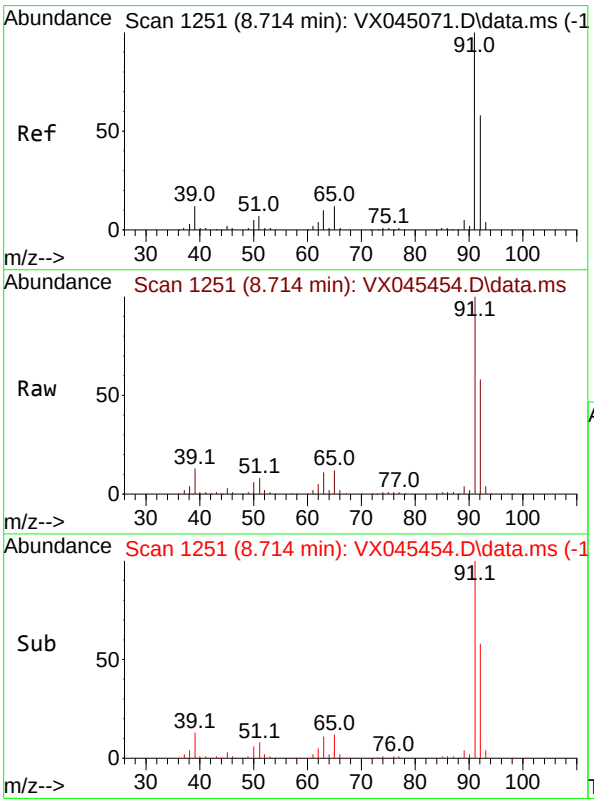
Ion	Ratio	Lower	Upper
43	100		
58	35.8	29.2	43.8



Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MSD

Manual Integrations
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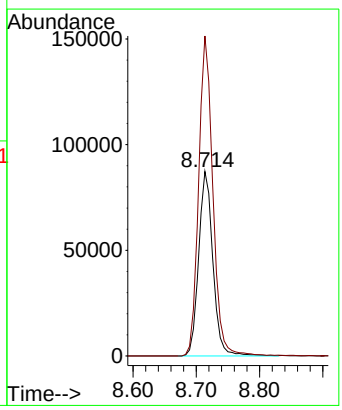
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

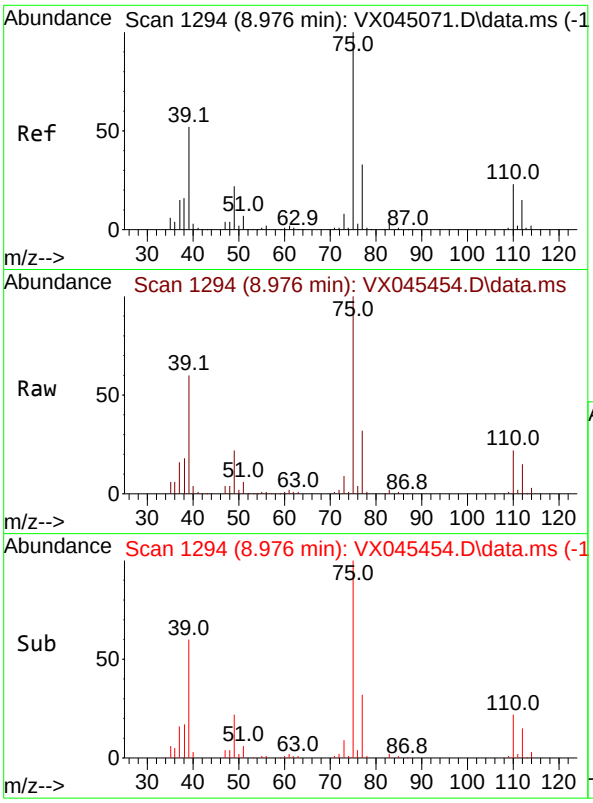


#52
Toluene
Concen: 55.800 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX045454.D
Acq: 25 Mar 2025 20:37

Tgt Ion: 92 Resp: 137053

Ion	Ratio	Lower	Upper
92	100		
91	173.7	138.9	208.3

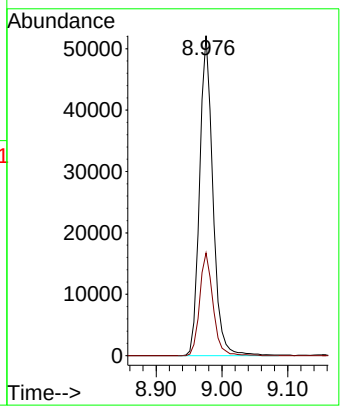




#53
t-1,3-Dichloropropene
Concen: 58.788 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045454.D
Acq: 25 Mar 2025 20:37

Tgt Ion: 75 Resp: 7333

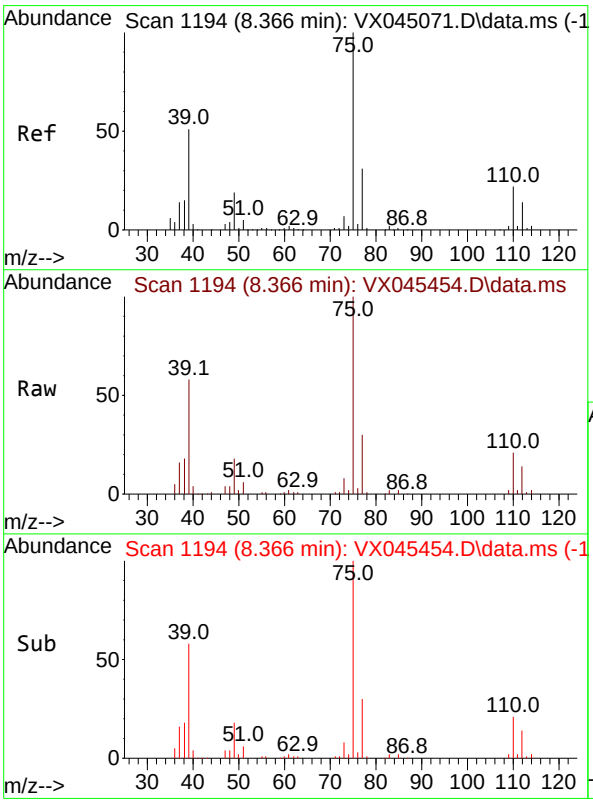
Ion	Ratio	Lower	Upper
75	100		
77	32.1	26.5	39.7



Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MSD

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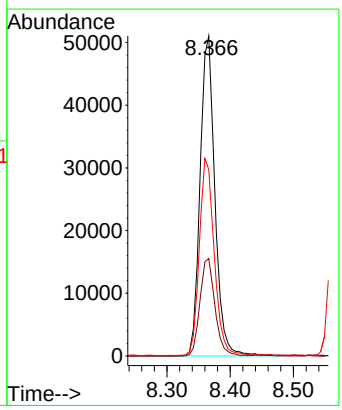
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

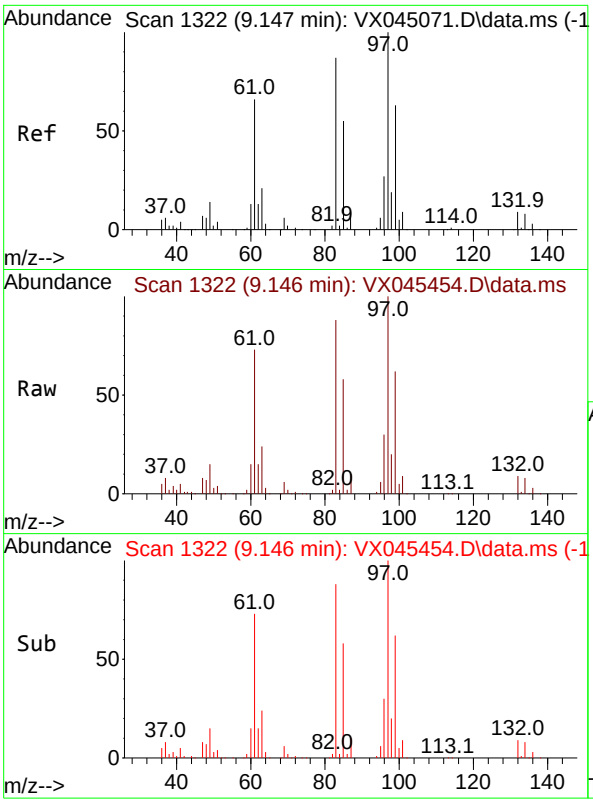


#54
cis-1,3-Dichloropropene
Concen: 57.263 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. -0.000 min
Lab File: VX045454.D
Acq: 25 Mar 2025 20:37

Tgt Ion: 75 Resp: 83300

Ion	Ratio	Lower	Upper
75	100		
77	30.5	24.7	37.1
39	58.0	40.7	61.1

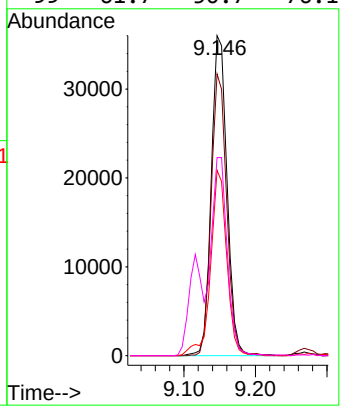




#55
1,1,2-Trichloroethane
Concen: 54.465 ug/l
RT: 9.146 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045454.D
Acq: 25 Mar 2025 20:37

Tgt Ion: 97 Resp: 5507

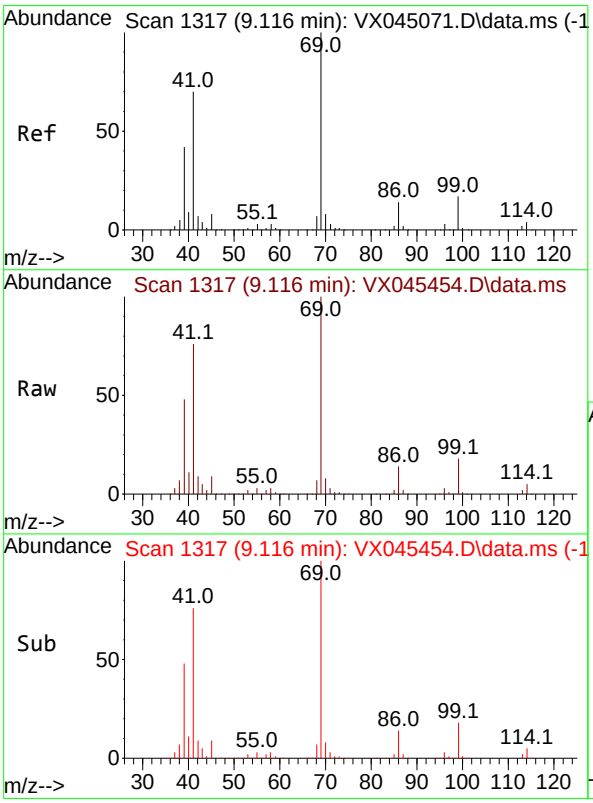
Ion	Ratio	Lower	Upper
97	100		
83	88.0	69.4	104.2
85	57.9	44.1	66.1
99	61.7	50.7	76.1



Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MSD

Manual Integrations
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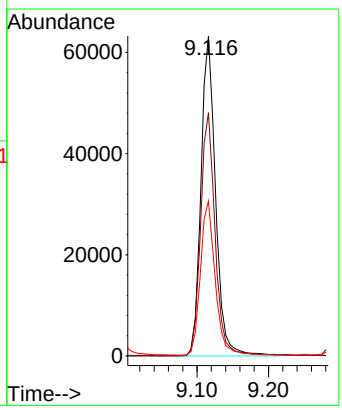
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

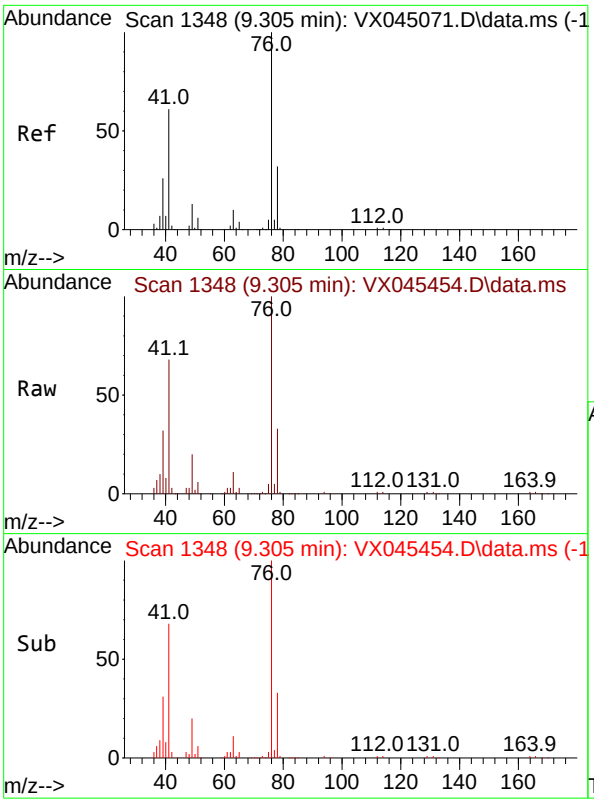


#56
Ethyl methacrylate
Concen: 58.440 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX045454.D
Acq: 25 Mar 2025 20:37

Tgt Ion: 69 Resp: 89821

Ion	Ratio	Lower	Upper
69	100		
41	76.6	57.0	85.4
39	48.9	34.2	51.4





#57
1,3-Dichloropropane
Concen: 55.380 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045454.D
Acq: 25 Mar 2025 20:37

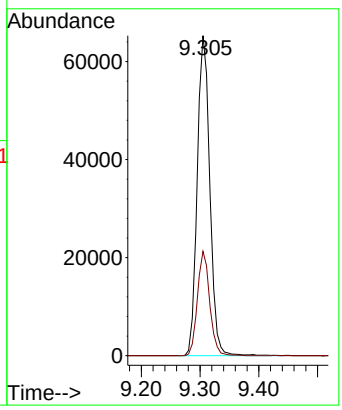
Tgt Ion: 76 Resp: 9690

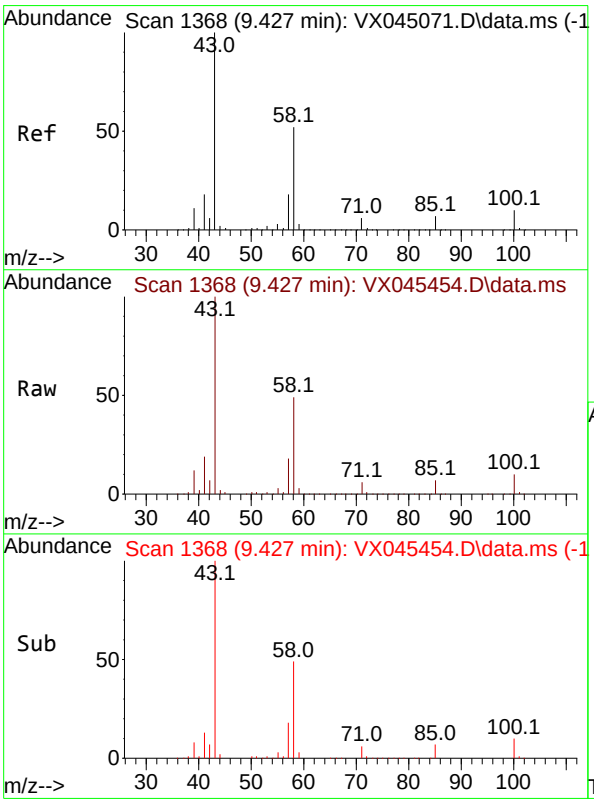
Ion	Ratio	Lower	Upper
76	100		
78	31.8	25.5	38.3

Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MSD

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Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

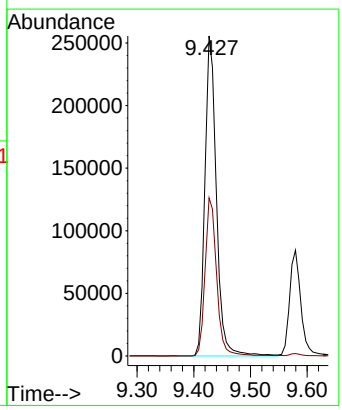


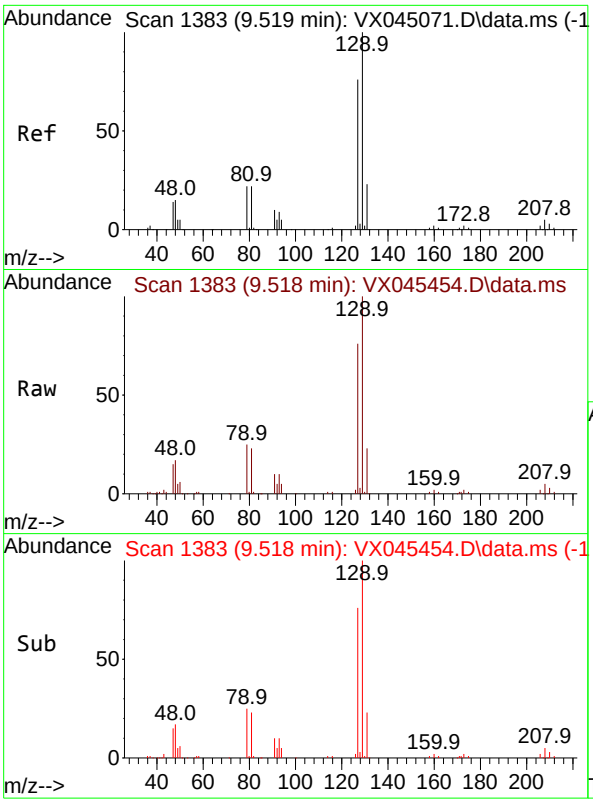


#59
2-Hexanone
Concen: 292.199 ug/l
RT: 9.427 min Scan# 1368
Delta R.T. -0.000 min
Lab File: VX045454.D
Acq: 25 Mar 2025 20:37

Tgt Ion: 43 Resp: 359074

Ion	Ratio	Lower	Upper
43	100		
58	49.9	25.9	77.6

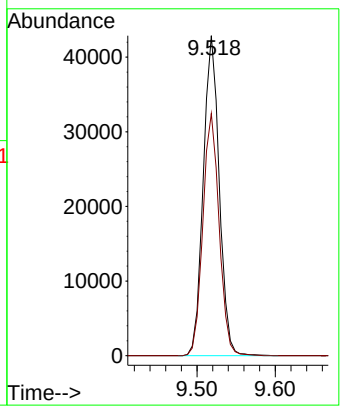




#60
Dibromochloromethane
Concen: 57.402 ug/l
RT: 9.518 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045454.D
Acq: 25 Mar 2025 20:37

Tgt Ion:129 Resp: 6068

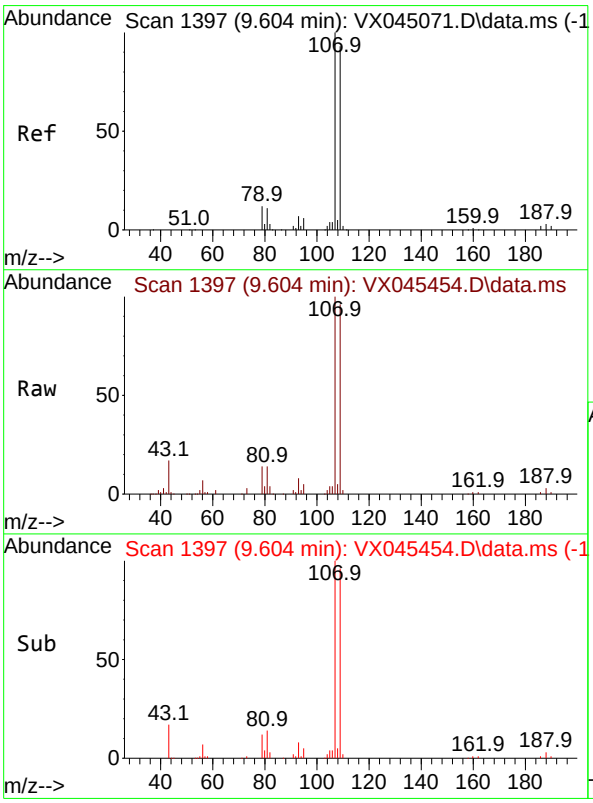
Ion	Ratio	Lower	Upper
129	100		
127	76.8	38.5	115.5



Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MSD

Manual Integrations
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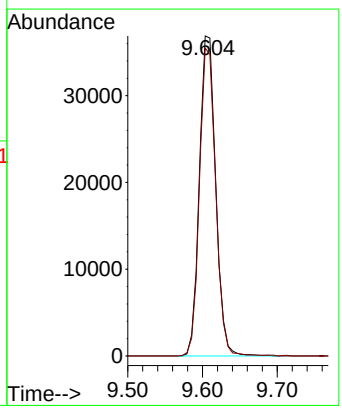
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

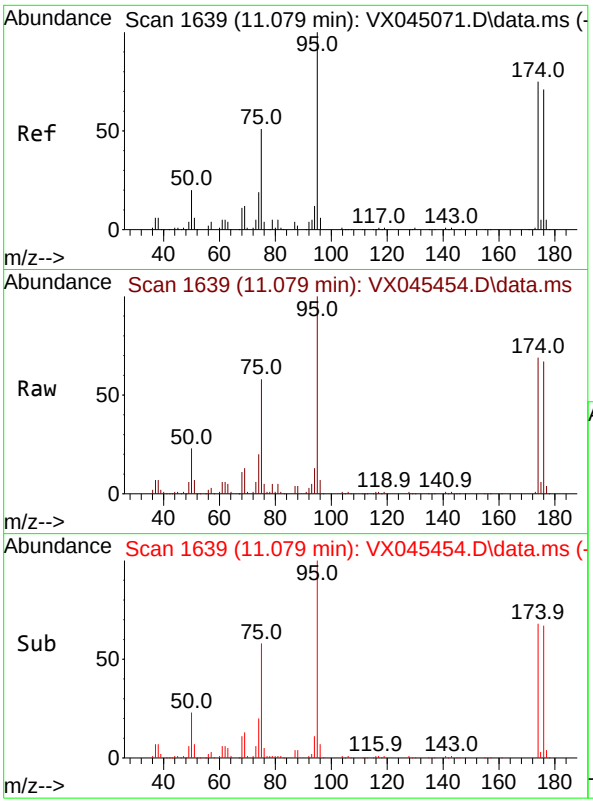


#61
1,2-Dibromoethane
Concen: 55.442 ug/l
RT: 9.604 min Scan# 1397
Delta R.T. -0.000 min
Lab File: VX045454.D
Acq: 25 Mar 2025 20:37

Tgt Ion:107 Resp: 55964

Ion	Ratio	Lower	Upper
107	100		
109	95.5	76.1	114.1

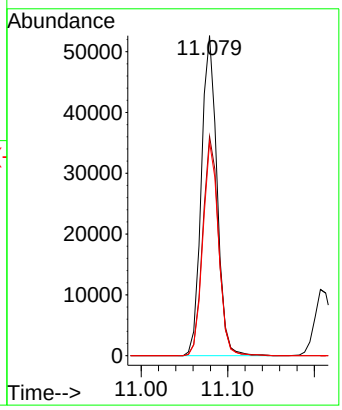




#62
4-Bromofluorobenzene
Concen: 56.695 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045454.D
Acq: 25 Mar 2025 20:37

Tgt Ion: 95 Resp: 6583

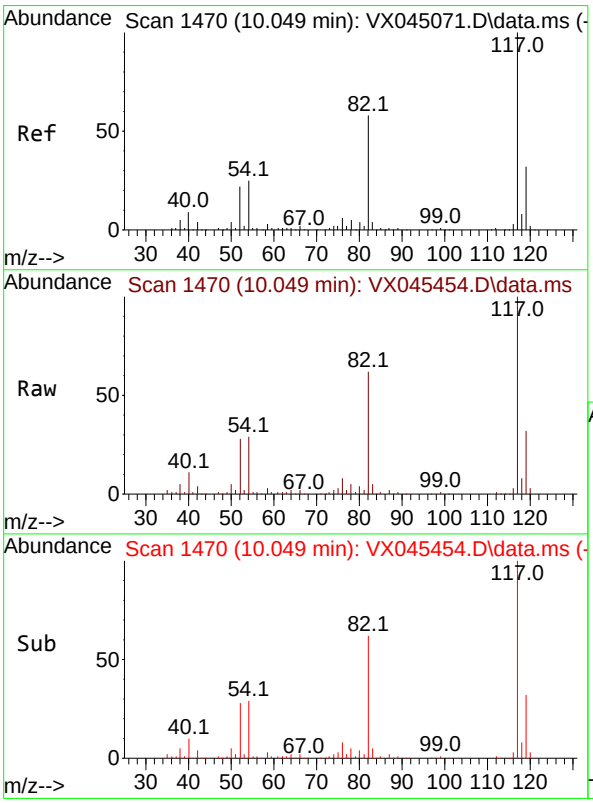
Ion	Ratio	Lower	Upper
95	100		
174	69.4	0.0	148.2
176	66.8	0.0	141.4



Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MSD

Manual Integrations
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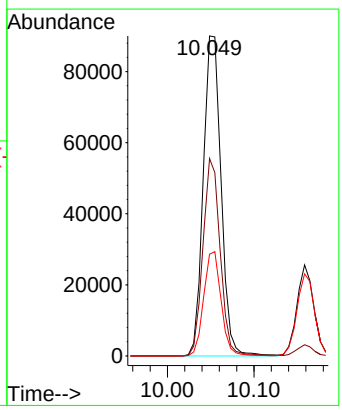
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

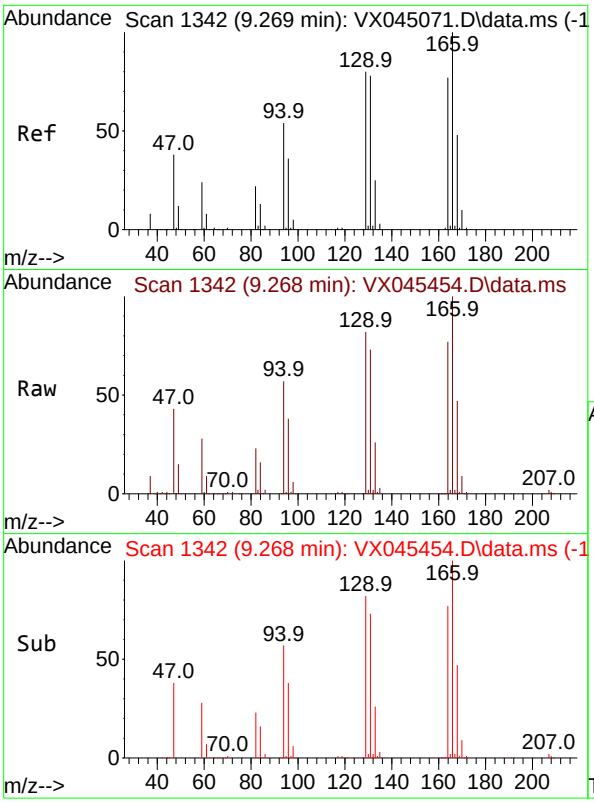


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX045454.D
Acq: 25 Mar 2025 20:37

Tgt Ion:117 Resp: 128766

Ion	Ratio	Lower	Upper
117	100		
82	61.7	46.3	69.5
119	31.8	25.7	38.5

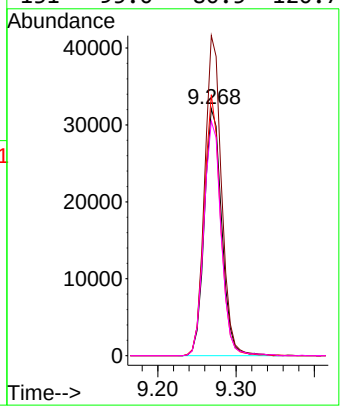




#64
Tetrachloroethene
Concen: 59.734 ug/l
RT: 9.268 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045454.D
Acq: 25 Mar 2025 20:37

Tgt Ion:164 Resp: 4926

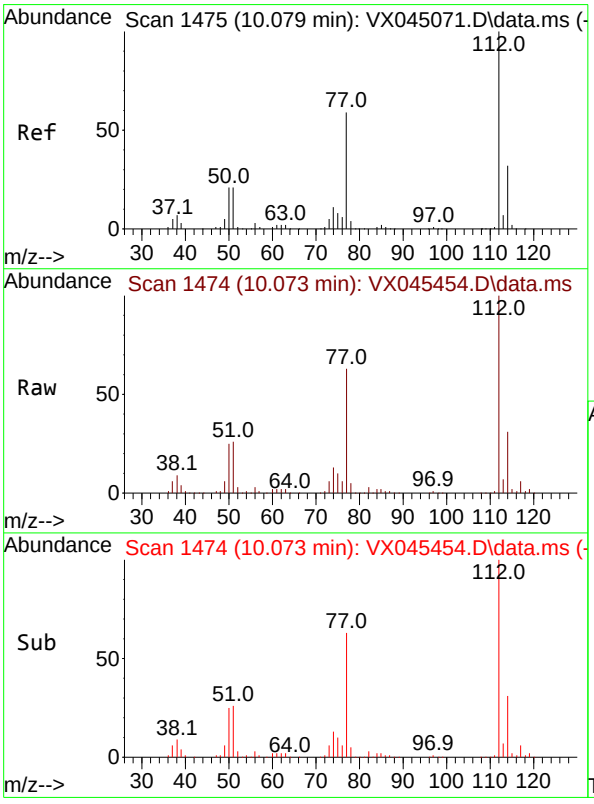
Ion	Ratio	Lower	Upper
164	100		
166	129.6	103.6	155.4
129	105.7	82.7	124.1
131	95.0	80.5	120.7



Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MSD

Manual Integrations
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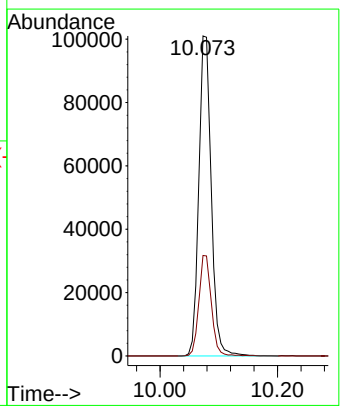
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

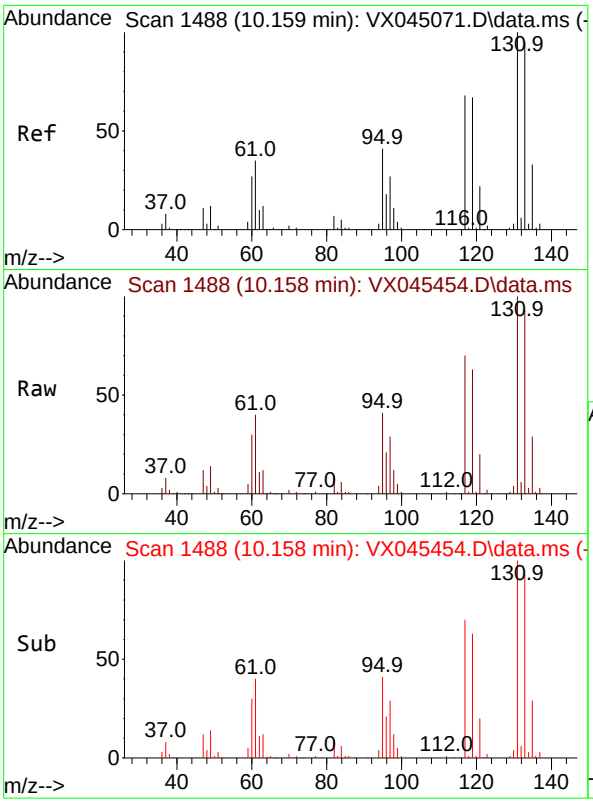


#65
Chlorobenzene
Concen: 54.517 ug/l
RT: 10.073 min Scan# 1474
Delta R.T. -0.006 min
Lab File: VX045454.D
Acq: 25 Mar 2025 20:37

Tgt Ion:112 Resp: 148540

Ion	Ratio	Lower	Upper
112	100		
114	31.4	26.0	39.0





#66
1,1,1,2-Tetrachloroethane
Concen: 54.533 ug/l
RT: 10.158 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045454.D
Acq: 25 Mar 2025 20:37

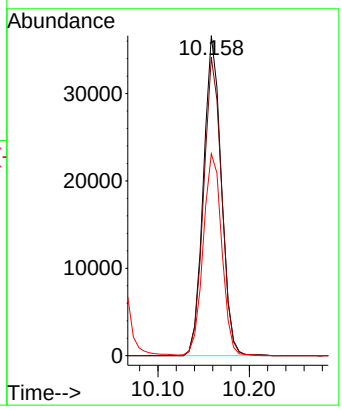
Tgt Ion:131 Resp: 4948

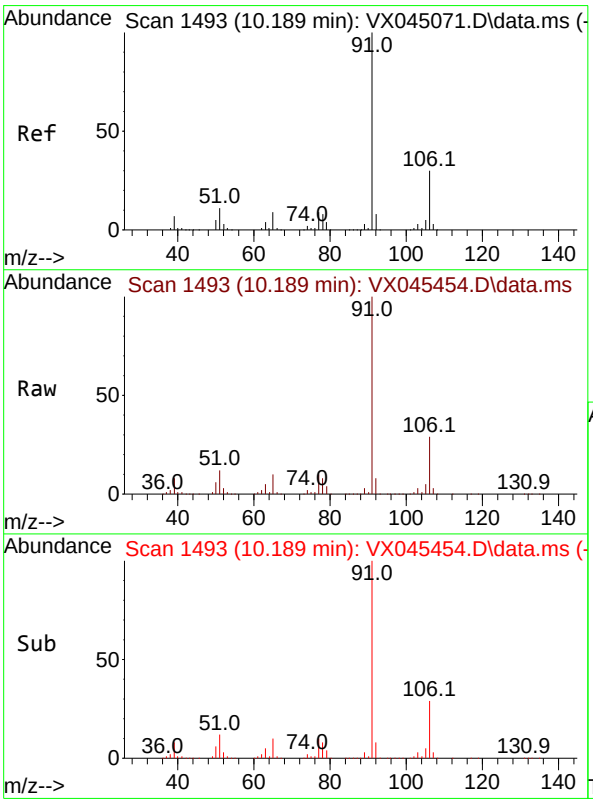
Ion	Ratio	Lower	Upper
131	100		
133	94.3	48.6	145.9
119	65.6	33.9	101.7

Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MSD

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Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

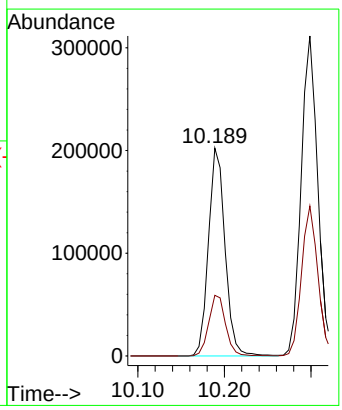


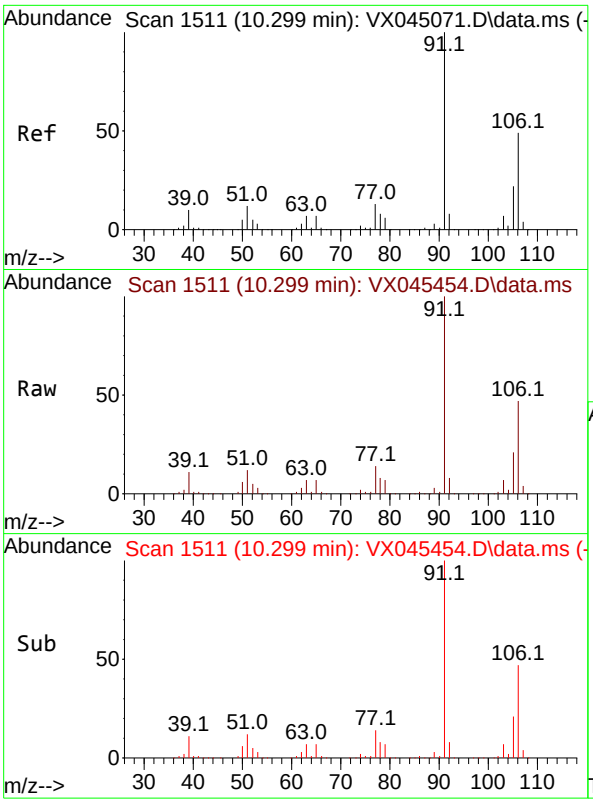


#67
Ethyl Benzene
Concen: 56.717 ug/l
RT: 10.189 min Scan# 1493
Delta R.T. -0.000 min
Lab File: VX045454.D
Acq: 25 Mar 2025 20:37

Tgt Ion: 91 Resp: 269267

Ion	Ratio	Lower	Upper
91	100		
106	29.2	23.9	35.9

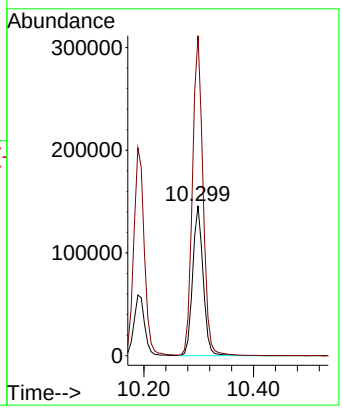




#68
m/p-Xylenes
Concen: 111.808 ug/l
RT: 10.299 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045454.D
Acq: 25 Mar 2025 20:37

Tgt Ion:106 Resp: 19431

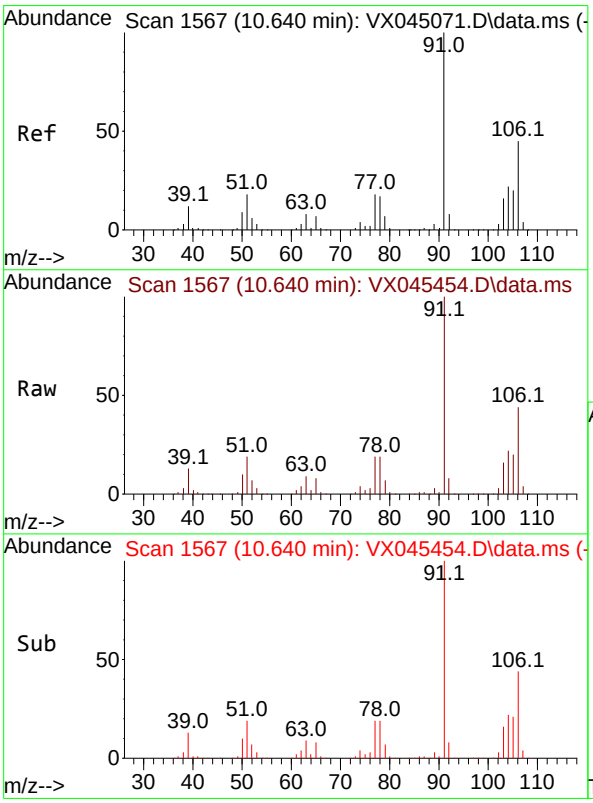
Ion	Ratio	Lower	Upper
106	100		
91	215.7	165.4	248.0



Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MSD

Manual Integrations
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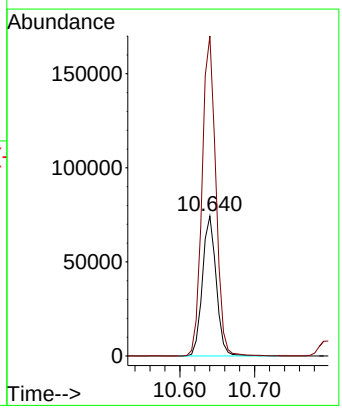
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

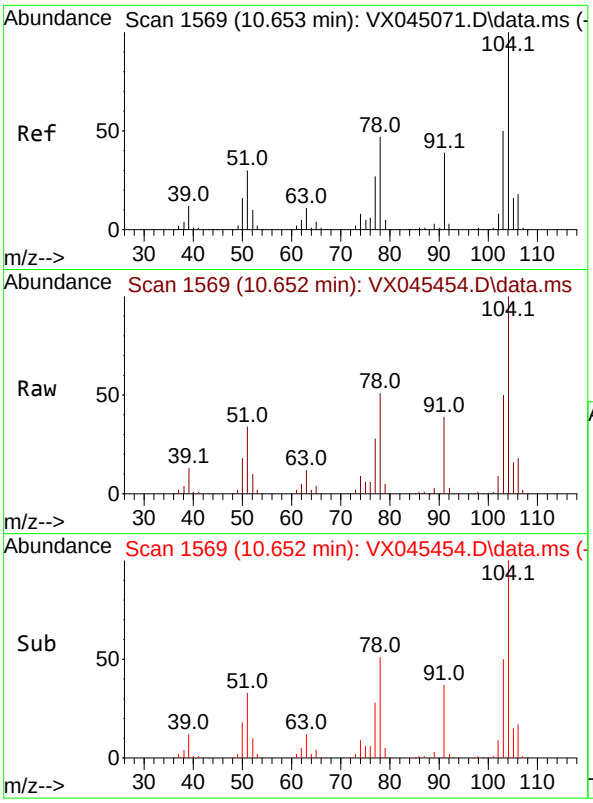


#69
o-Xylene
Concen: 54.410 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX045454.D
Acq: 25 Mar 2025 20:37

Tgt Ion:106 Resp: 95373

Ion	Ratio	Lower	Upper
106	100		
91	228.5	109.9	329.6

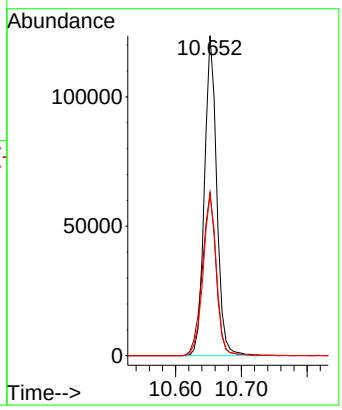




#70
Styrene
Concen: 56.780 ug/l
RT: 10.652 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045454.D
Acq: 25 Mar 2025 20:37

Tgt Ion:104 Resp: 16103

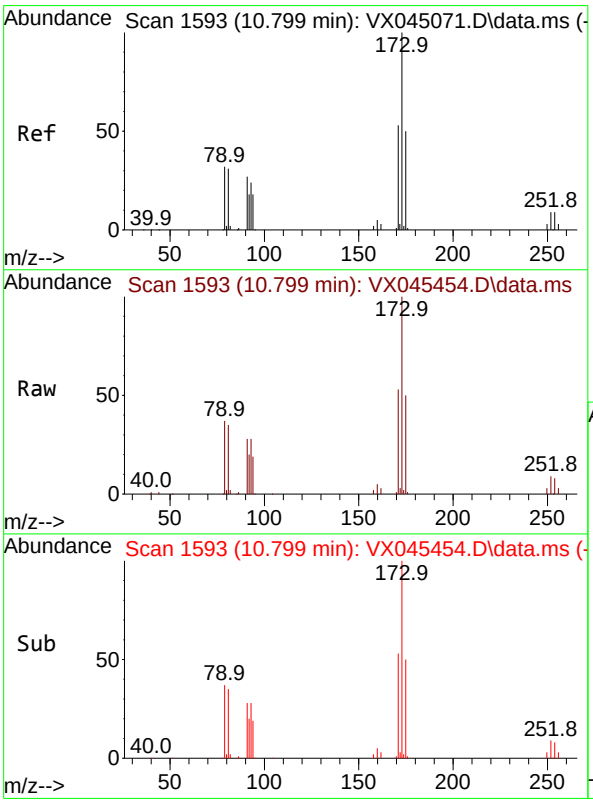
Ion	Ratio	Lower	Upper
104	100		
78	57.4	42.2	63.4
103	55.1	43.8	65.8



Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MSD

Manual Integrations
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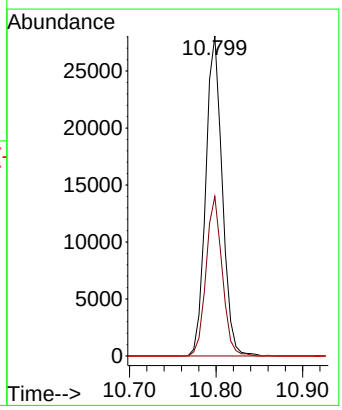
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

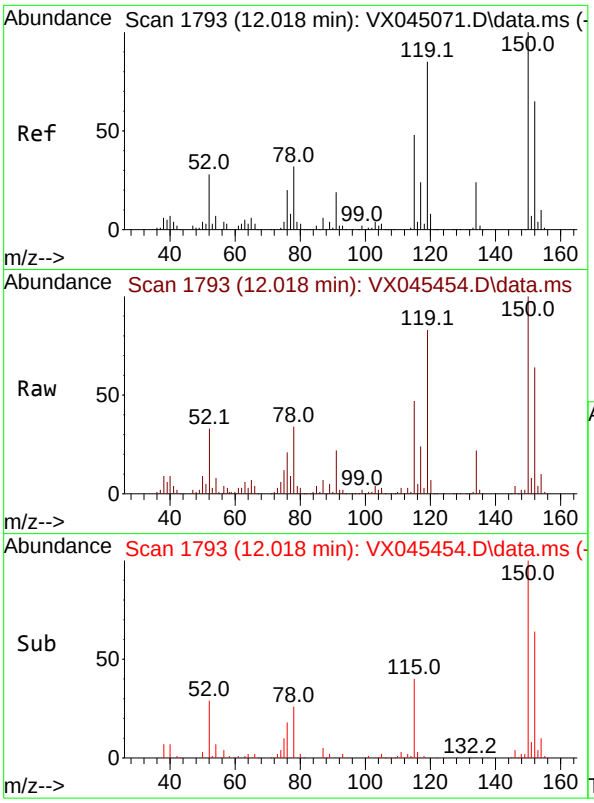


#71
Bromoform
Concen: 54.246 ug/l
RT: 10.799 min Scan# 1593
Delta R.T. -0.000 min
Lab File: VX045454.D
Acq: 25 Mar 2025 20:37

Tgt Ion:173 Resp: 37117

Ion	Ratio	Lower	Upper
173	100		
175	48.7	24.6	73.6
254	0.0	0.0	0.0

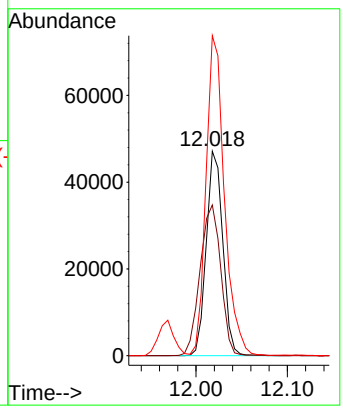




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045454.D
Acq: 25 Mar 2025 20:37

Tgt Ion:152 Resp: 5899

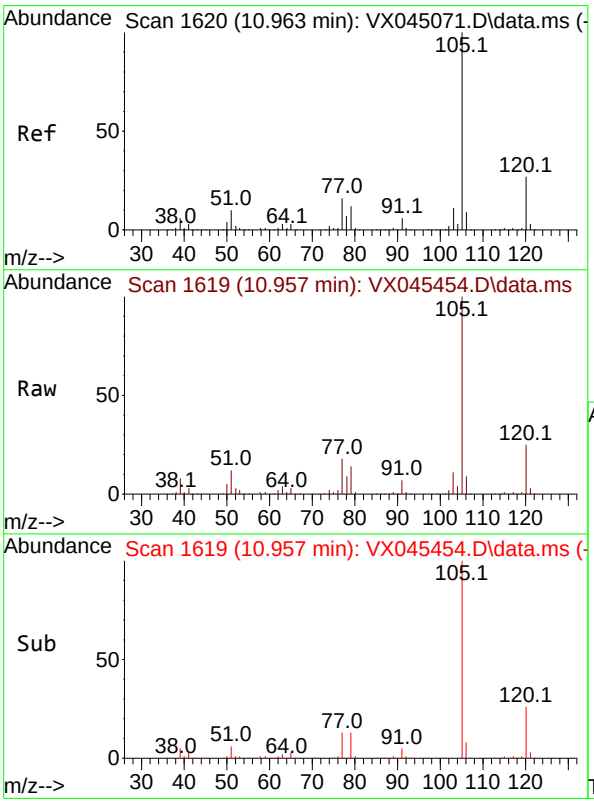
Ion	Ratio	Lower	Upper
152	100		
115	92.5	44.2	132.6
150	173.7	0.0	349.0



Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MSD

Manual Integrations
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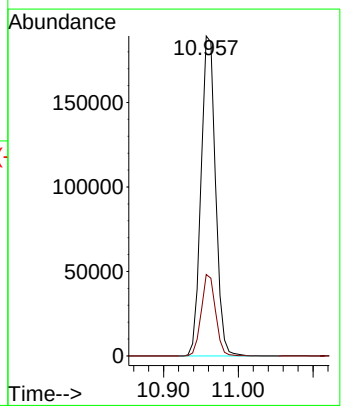
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

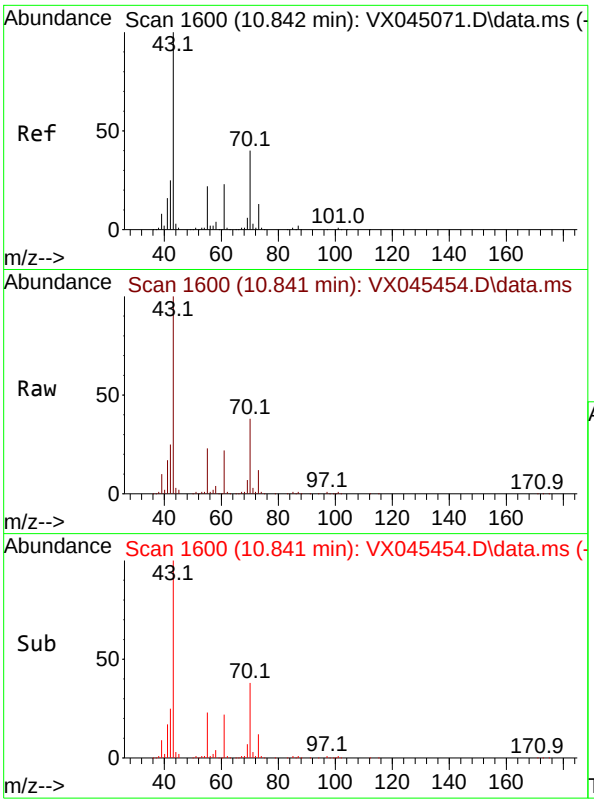


#73
Isopropylbenzene
Concen: 55.365 ug/l
RT: 10.957 min Scan# 1619
Delta R.T. -0.006 min
Lab File: VX045454.D
Acq: 25 Mar 2025 20:37

Tgt Ion:105 Resp: 254922

Ion	Ratio	Lower	Upper
105	100		
120	25.1	13.2	39.5

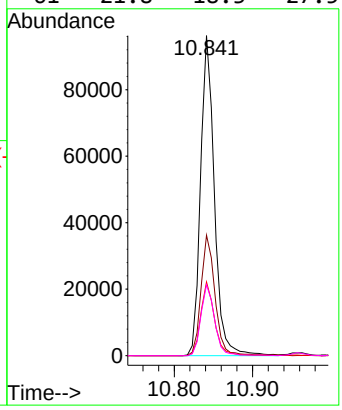




#74
N-amyl acetate
Concen: 54.733 ug/l
RT: 10.841 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045454.D
Acq: 25 Mar 2025 20:37

Tgt Ion: 43 Resp: 11825

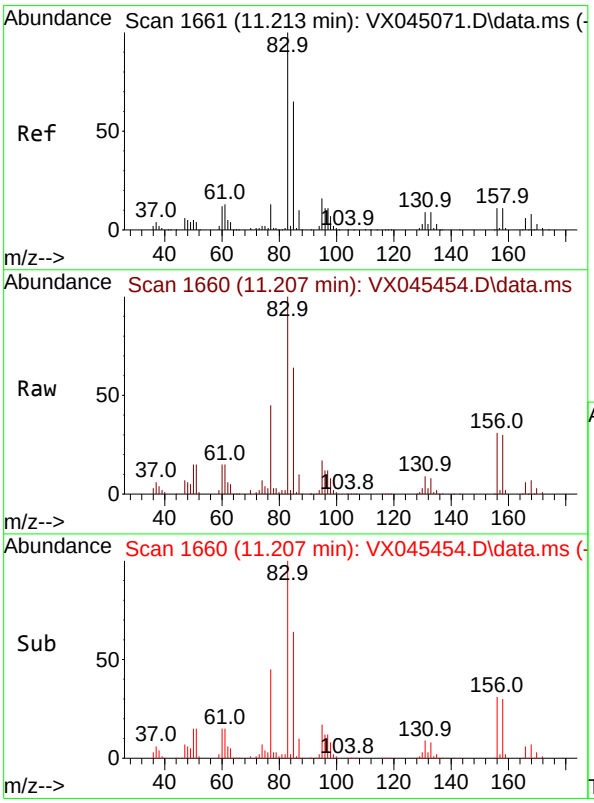
Ion	Ratio	Lower	Upper
43	100		
70	38.2	31.8	47.6
55	23.2	18.3	27.5
61	21.8	18.3	27.5



Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MSD

Manual Integrations
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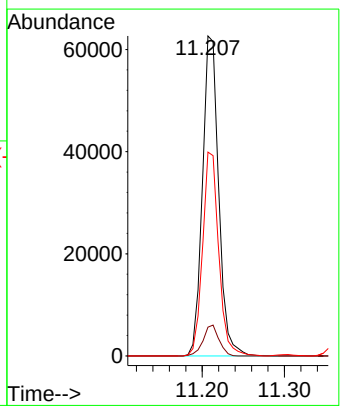
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

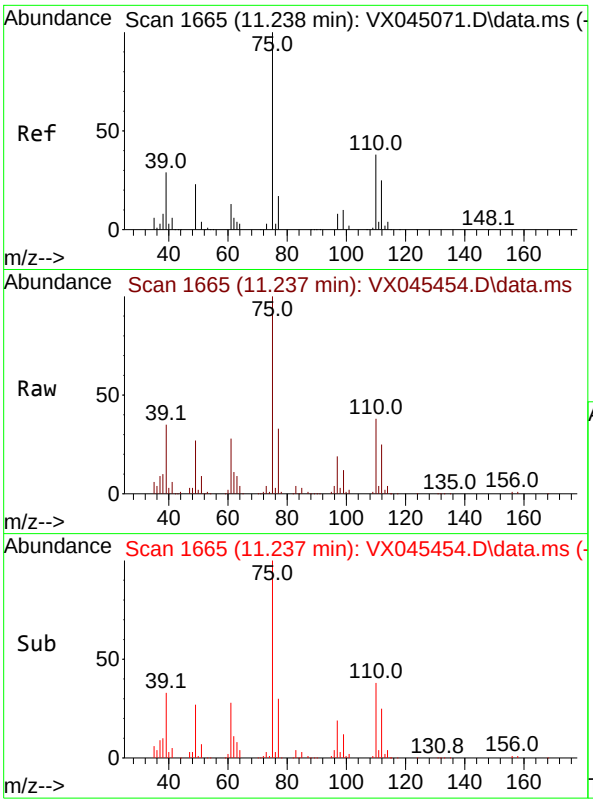


#75
1,1,2,2-Tetrachloroethane
Concen: 50.839 ug/l
RT: 11.207 min Scan# 1660
Delta R.T. -0.006 min
Lab File: VX045454.D
Acq: 25 Mar 2025 20:37

Tgt Ion: 83 Resp: 85900

Ion	Ratio	Lower	Upper
83	100		
131	9.4	4.5	13.4
85	63.4	31.7	95.1





#76
1,2,3-Trichloropropane
Concen: 52.891 ug/l m
RT: 11.237 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045454.D
Acq: 25 Mar 2025 20:37

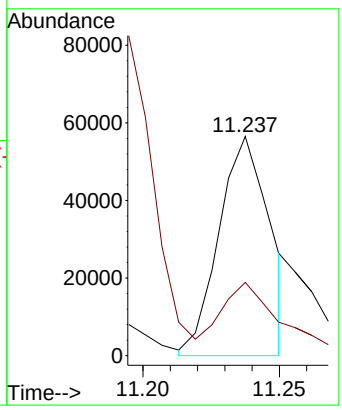
Tgt Ion: 75 Resp: 7262

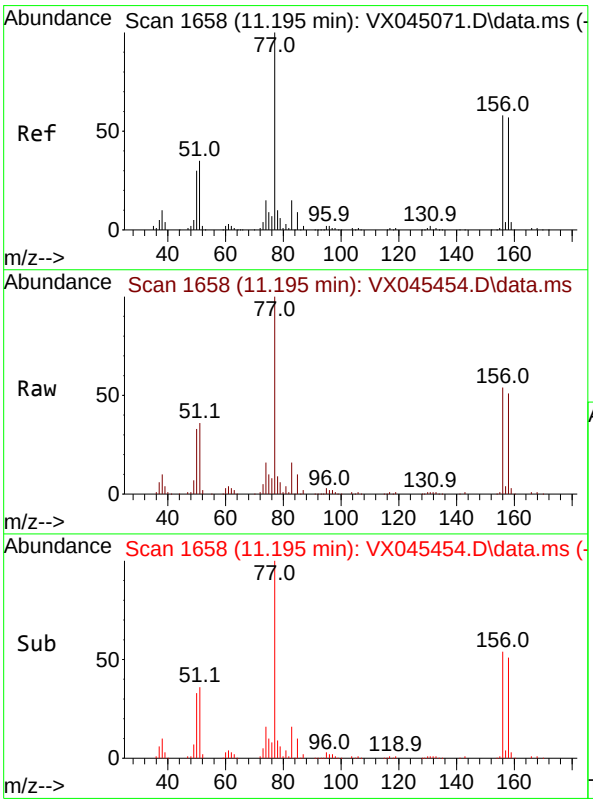
Ion	Ratio	Lower	Upper
75	100		
77	40.5	20.7	62.1

Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MSD

Manual Integrations
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Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

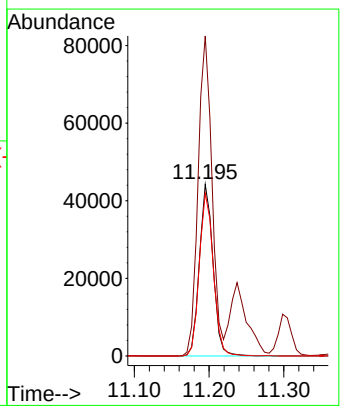


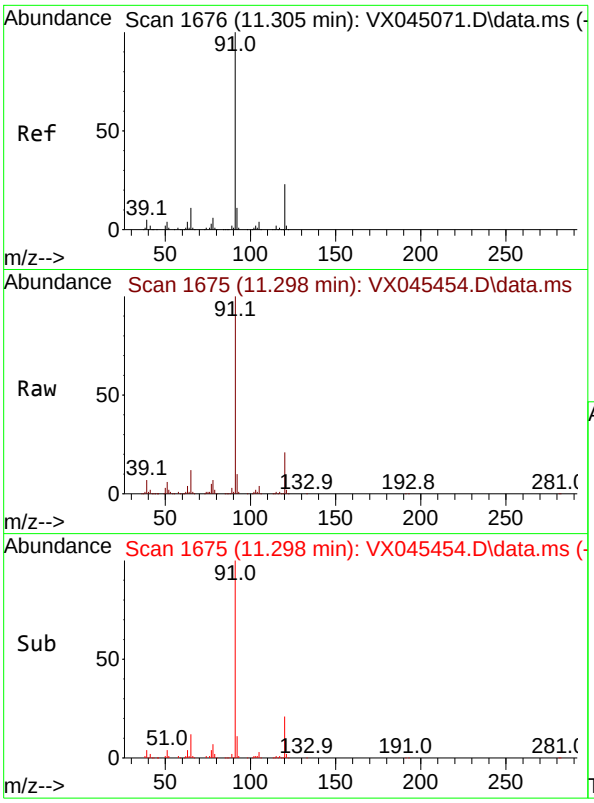


#77
Bromobenzene
Concen: 51.831 ug/l
RT: 11.195 min Scan# 1658
Delta R.T. -0.000 min
Lab File: VX045454.D
Acq: 25 Mar 2025 20:37

Tgt Ion:156 Resp: 56308

Ion	Ratio	Lower	Upper
156	100		
77	188.8	85.8	257.4
158	97.4	48.4	145.2





#78
n-propylbenzene
Concen: 57.457 ug/l
RT: 11.298 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045454.D
Acq: 25 Mar 2025 20:37

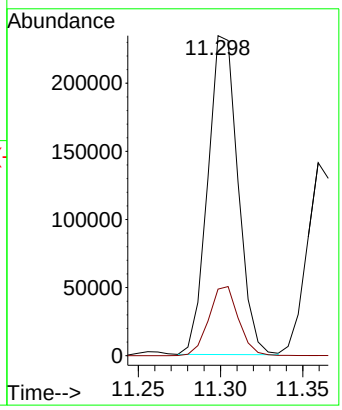
Tgt Ion: 91 Resp: 29885

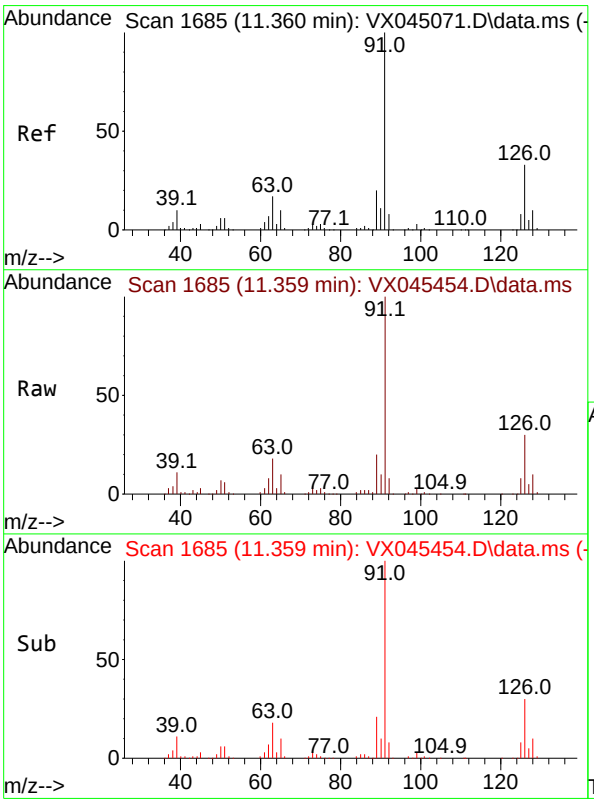
Ion	Ratio	Lower	Upper
91	100		
120	21.4	11.2	33.6

Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MSD

Manual Integrations
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Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

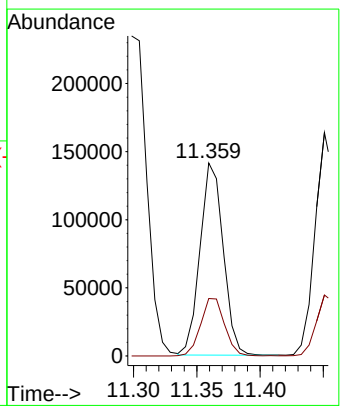


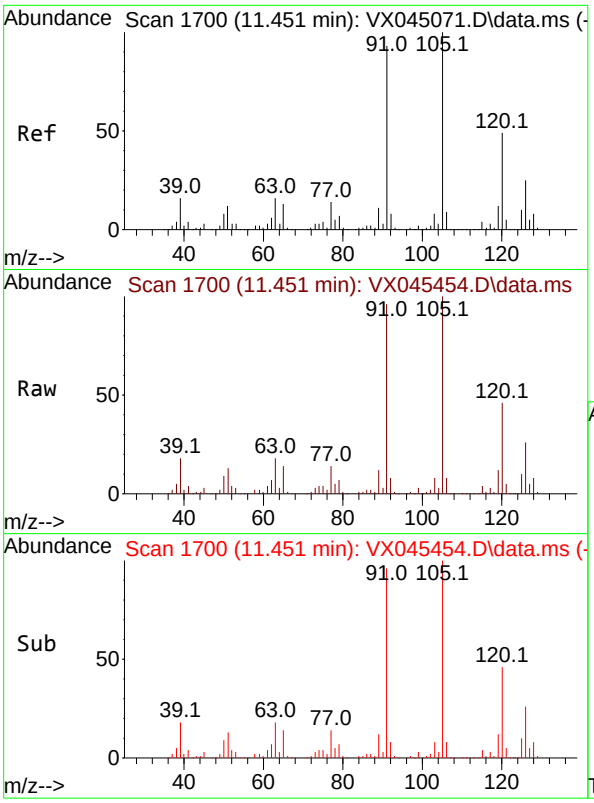


#79
2-Chlorotoluene
Concen: 54.476 ug/l
RT: 11.359 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VX045454.D
Acq: 25 Mar 2025 20:37

Tgt Ion: 91 Resp: 180454

Ion	Ratio	Lower	Upper
91	100		
126	31.0	16.4	49.4

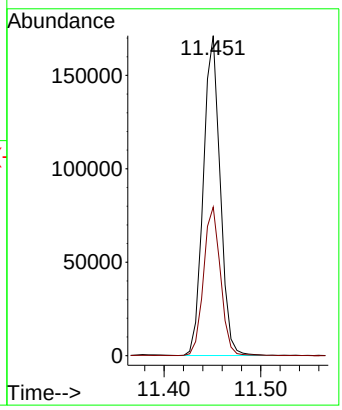




#80
1,3,5-Trimethylbenzene
Concen: 55.855 ug/l
RT: 11.451 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045454.D
Acq: 25 Mar 2025 20:37

Tgt Ion:105 Resp: 20794

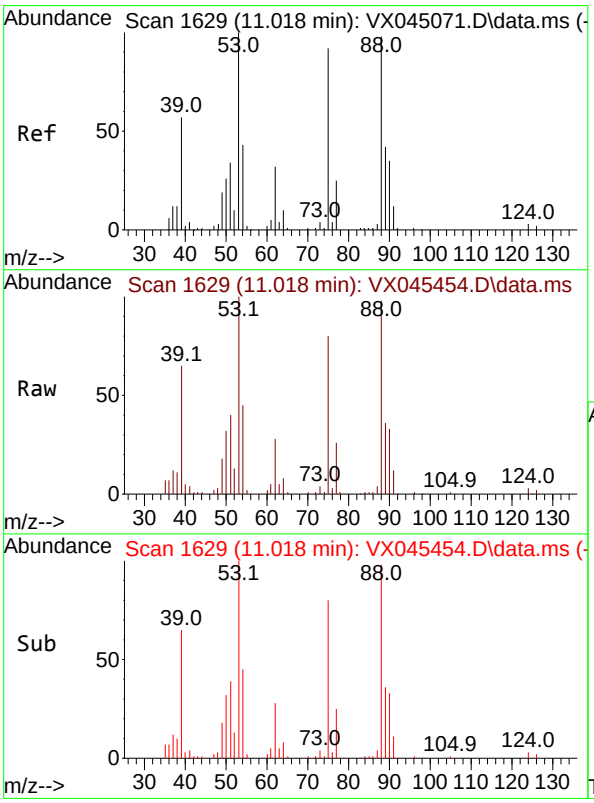
Ion	Ratio	Lower	Upper
105	100		
120	46.6	24.1	72.2



Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MSD

Manual Integrations
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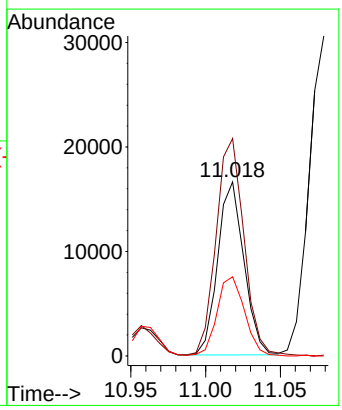
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

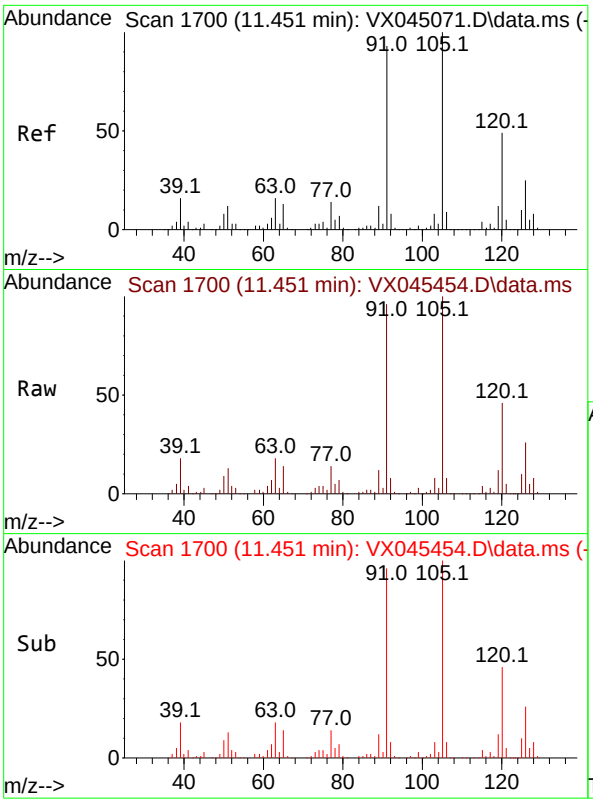


#81
trans-1,4-Dichloro-2-butene
Concen: 50.457 ug/l
RT: 11.018 min Scan# 1629
Delta R.T. -0.000 min
Lab File: VX045454.D
Acq: 25 Mar 2025 20:37

Tgt Ion: 75 Resp: 20244

Ion	Ratio	Lower	Upper
75	100		
53	133.7	88.5	132.7#
89	48.1	36.2	54.4

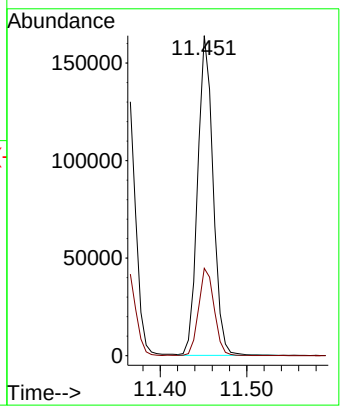




#82
4-Chlorotoluene
Concen: 56.120 ug/l
RT: 11.451 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045454.D
Acq: 25 Mar 2025 20:37

Tgt Ion: 91 Resp: 20260

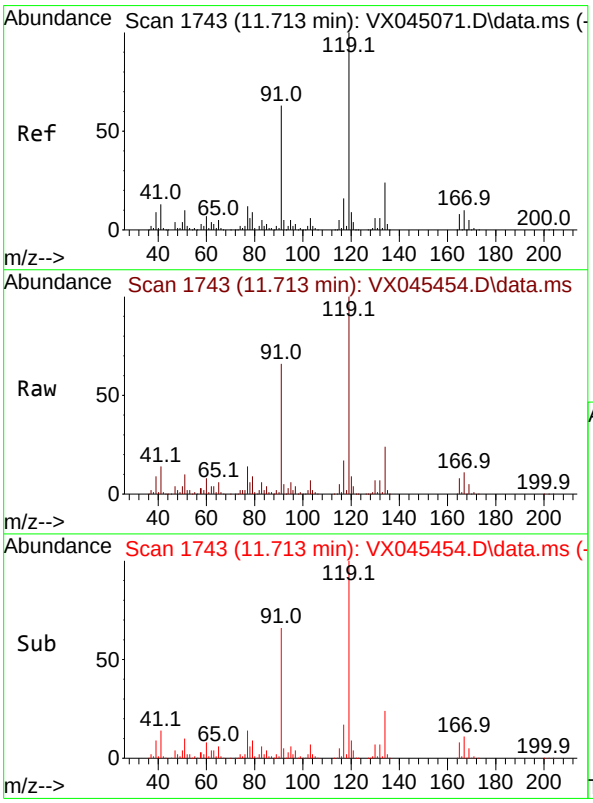
Ion	Ratio	Lower	Upper
91	100		
126	27.5	14.1	42.4



Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MSD

Manual Integrations
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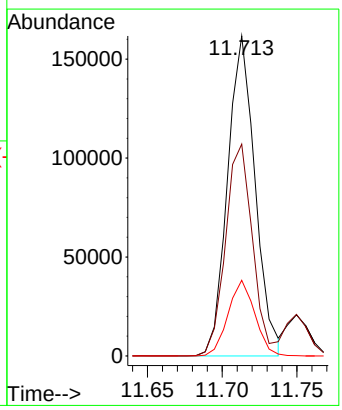
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

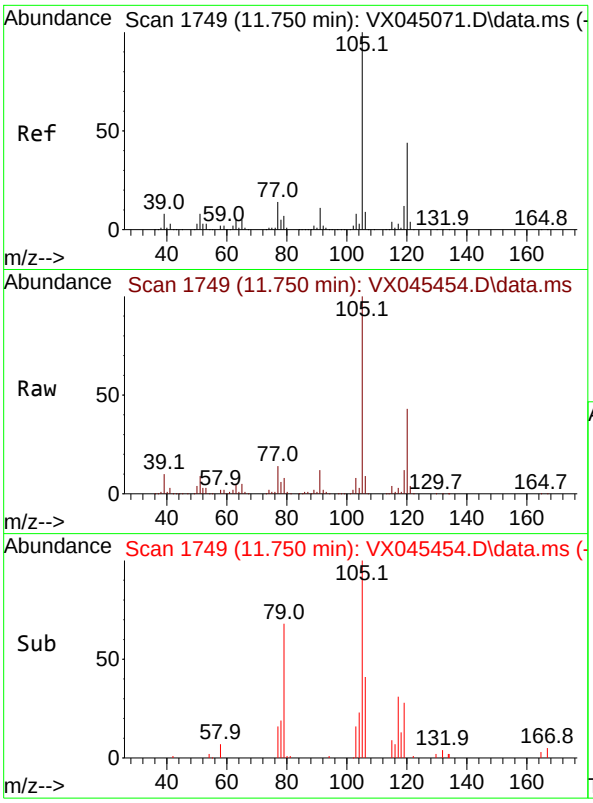


#83
tert-Butylbenzene
Concen: 54.247 ug/l
RT: 11.713 min Scan# 1743
Delta R.T. -0.000 min
Lab File: VX045454.D
Acq: 25 Mar 2025 20:37

Tgt Ion:119 Resp: 207511

Ion	Ratio	Lower	Upper
119	100		
91	64.2	30.7	92.1
134	23.0	11.7	35.0





#84
1,2,4-Trimethylbenzene
Concen: 56.119 ug/l
RT: 11.750 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045454.D
Acq: 25 Mar 2025 20:37

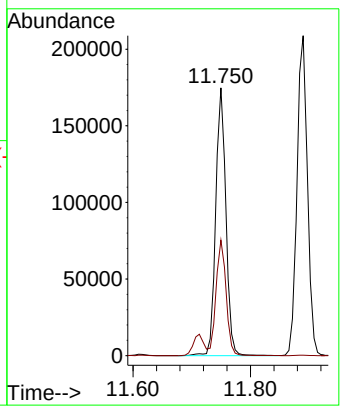
Tgt Ion:105 Resp: 21022

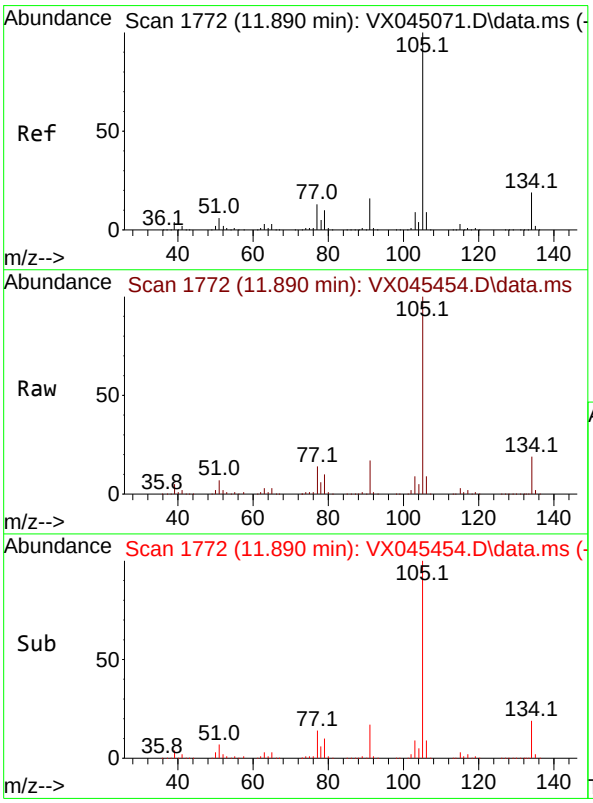
Ion	Ratio	Lower	Upper
105	100		
120	42.7	22.1	66.1

Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MSD

Manual Integrations
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Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

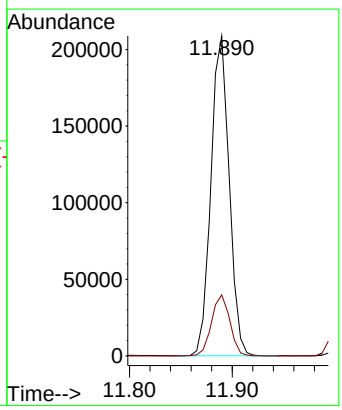


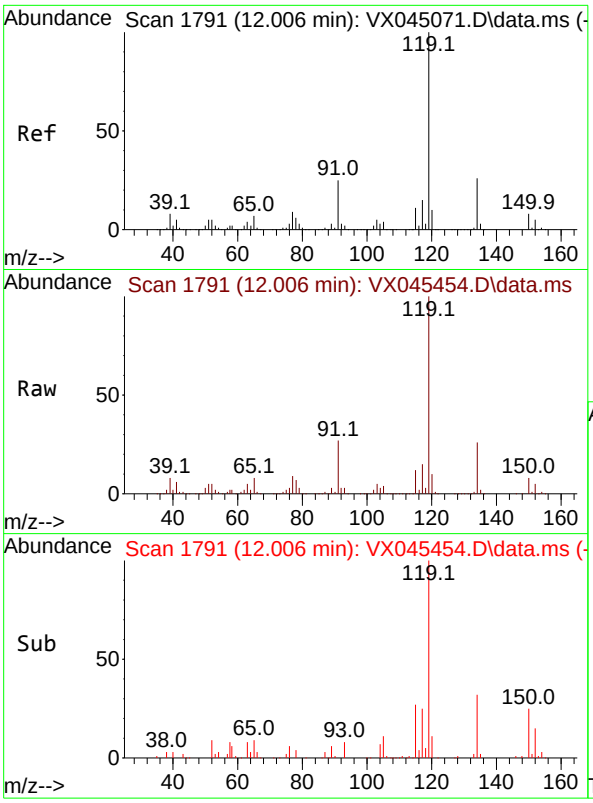


#85
sec-Butylbenzene
Concen: 56.082 ug/l
RT: 11.890 min Scan# 1772
Delta R.T. -0.000 min
Lab File: VX045454.D
Acq: 25 Mar 2025 20:37

Tgt Ion:105 Resp: 256982

Ion	Ratio	Lower	Upper
105	100		
134	19.2	9.8	29.4





#86
p-Isopropyltoluene
Concen: 57.372 ug/l
RT: 12.006 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045454.D
Acq: 25 Mar 2025 20:37

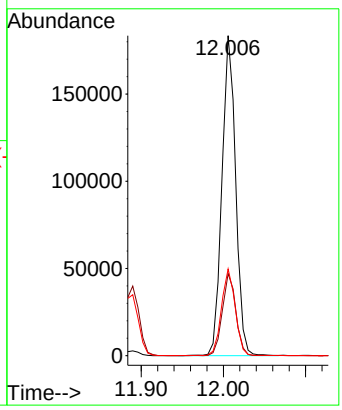
Tgt Ion:119 Resp: 21245

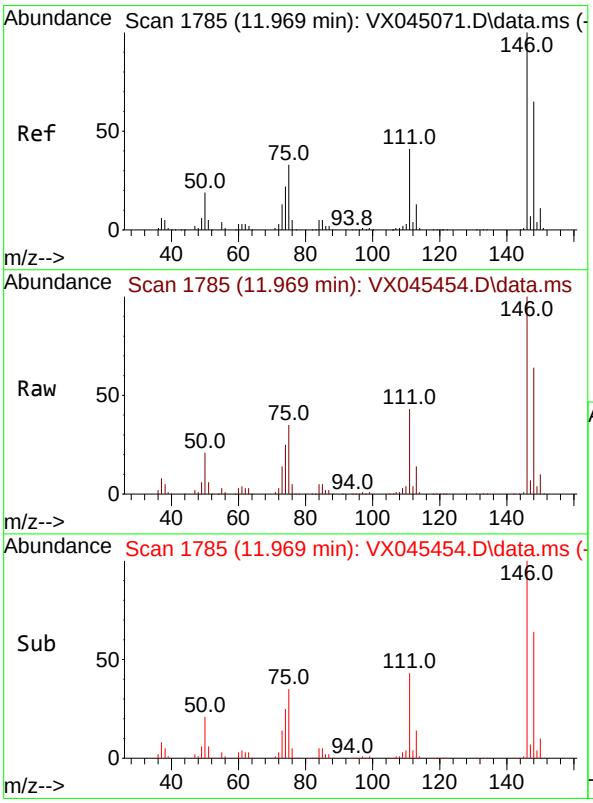
Ion	Ratio	Lower	Upper
119	100		
134	25.3	12.9	38.6
91	27.0	12.7	38.0

Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MSD

Manual Integrations
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Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

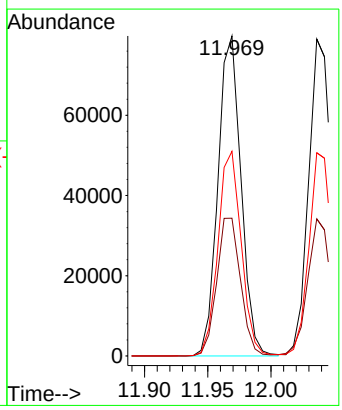


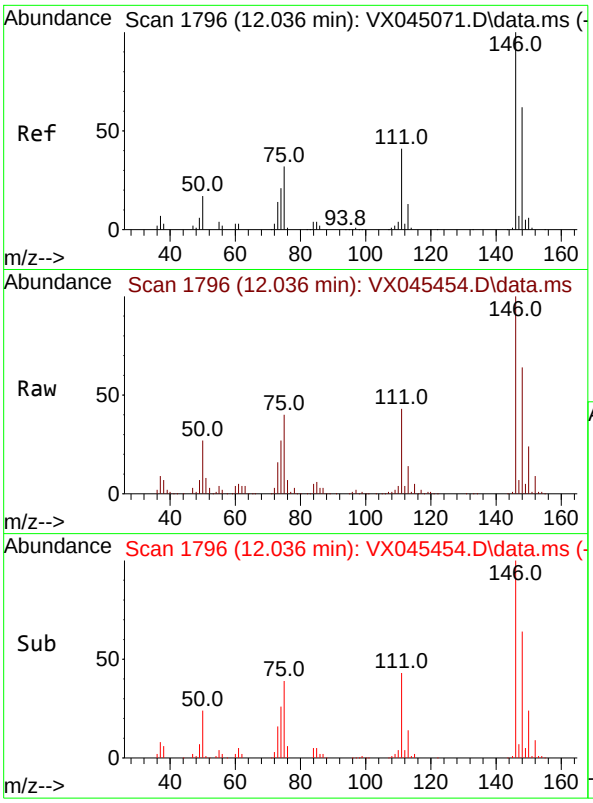


#87
1,3-Dichlorobenzene
Concen: 52.159 ug/l
RT: 11.969 min Scan# 1785
Delta R.T. -0.000 min
Lab File: VX045454.D
Acq: 25 Mar 2025 20:37

Tgt Ion:146 Resp: 101086

Ion	Ratio	Lower	Upper
146	100		
111	44.5	21.1	63.4
148	64.6	31.9	95.7





#88
1,4-Dichlorobenzene
Concen: 51.485 ug/l
RT: 12.036 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045454.D
Acq: 25 Mar 2025 20:37

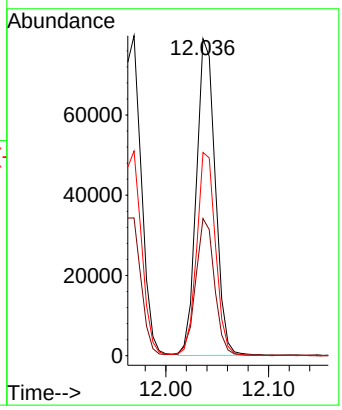
Tgt Ion:146 Resp: 10094

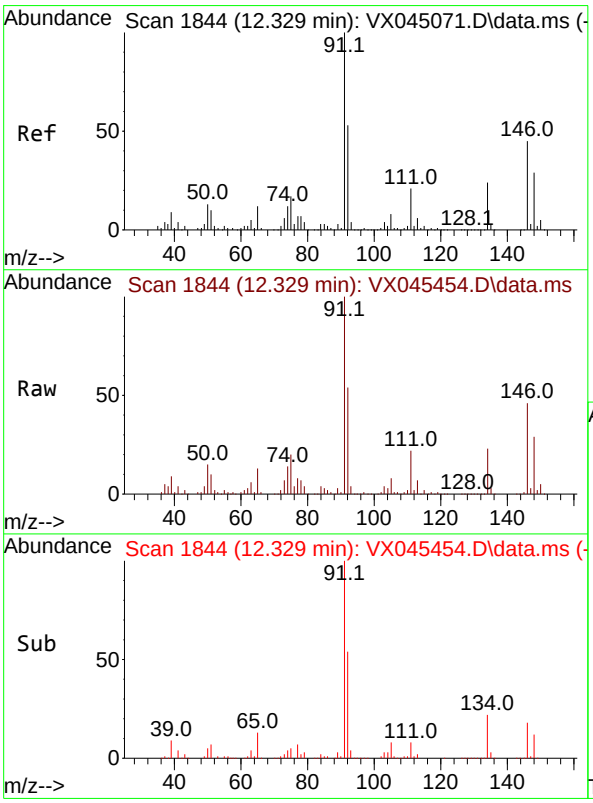
Ion	Ratio	Lower	Upper
146	100		
111	43.8	20.2	60.5
148	64.0	31.9	95.9

Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MSD

Manual Integrations
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Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

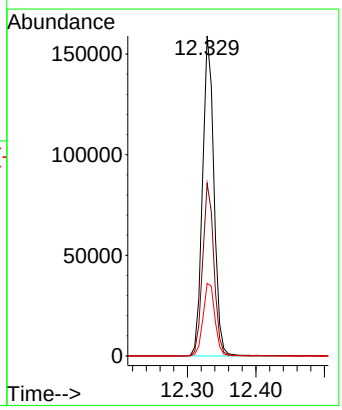


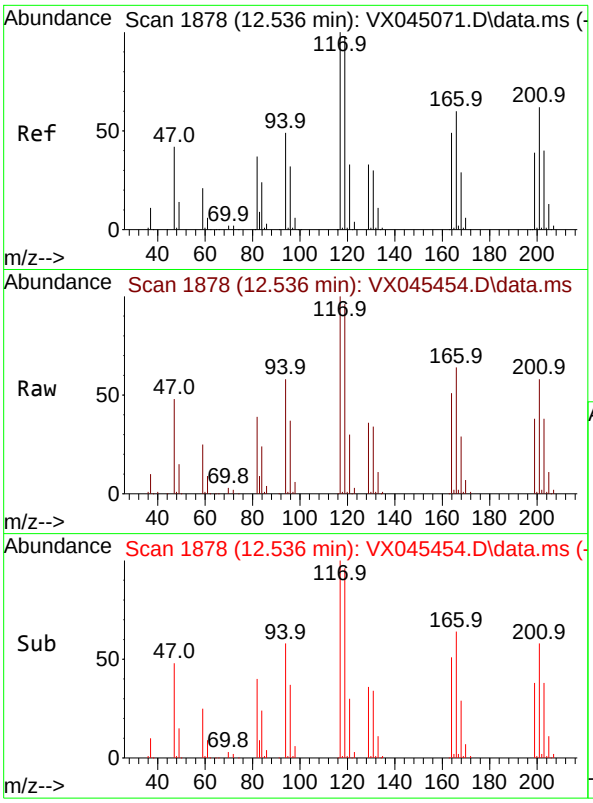


#89
n-Butylbenzene
Concen: 57.809 ug/l
RT: 12.329 min Scan# 1844
Delta R.T. -0.000 min
Lab File: VX045454.D
Acq: 25 Mar 2025 20:37

Tgt Ion: 91 Resp: 184374

Ion	Ratio	Lower	Upper
91	100		
92	53.5	26.7	80.0
134	23.6	12.2	36.6

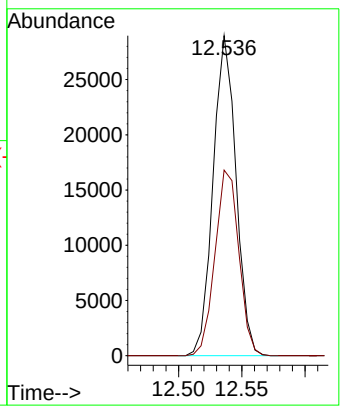




#90
Hexachloroethane
Concen: 54.388 ug/l
RT: 12.536 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045454.D
Acq: 25 Mar 2025 20:37

Tgt Ion:117 Resp: 3642

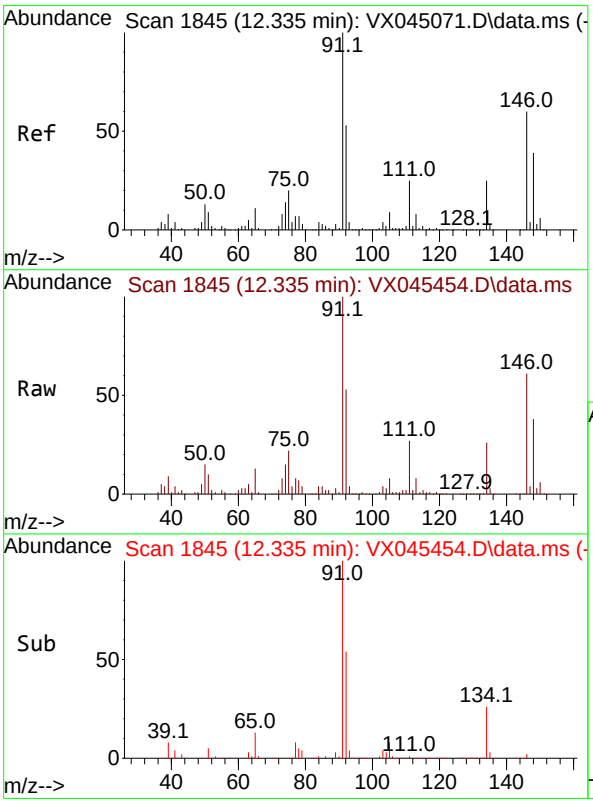
Ion	Ratio	Lower	Upper
117	100		
201	60.4	31.9	95.9



Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MSD

Manual Integrations
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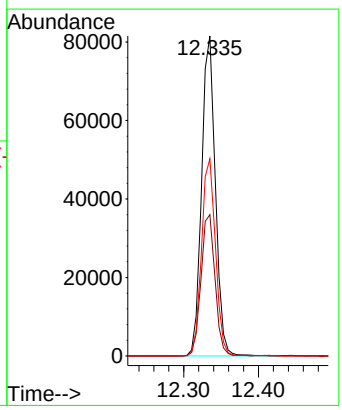
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

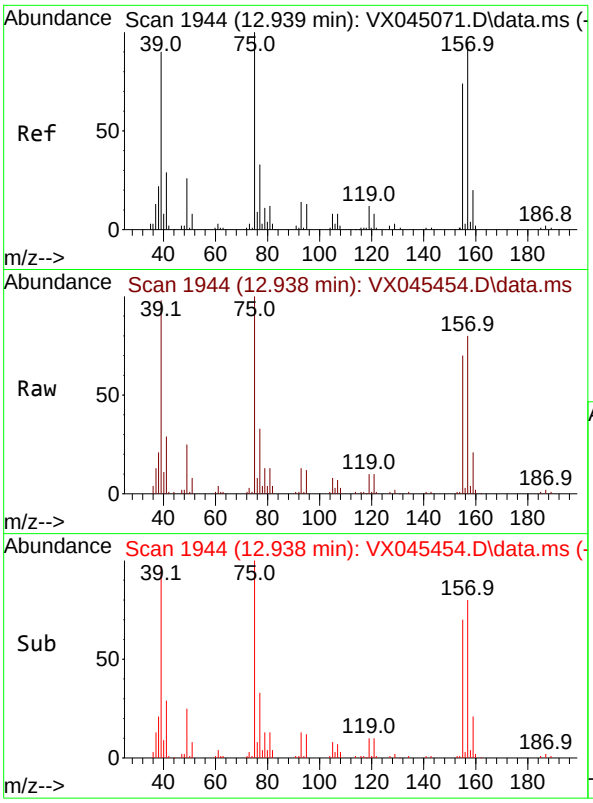


#91
1,2-Dichlorobenzene
Concen: 53.527 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. -0.000 min
Lab File: VX045454.D
Acq: 25 Mar 2025 20:37

Tgt Ion:146 Resp: 104063

Ion	Ratio	Lower	Upper
146	100		
111	45.2	21.6	65.0
148	62.6	31.9	95.9





#92
1,2-Dibromo-3-Chloropropane
Concen: 57.137 ug/l
RT: 12.938 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045454.D
Acq: 25 Mar 2025 20:37

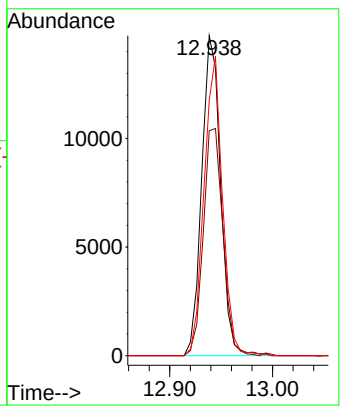
Tgt Ion: 75 Resp: 1880

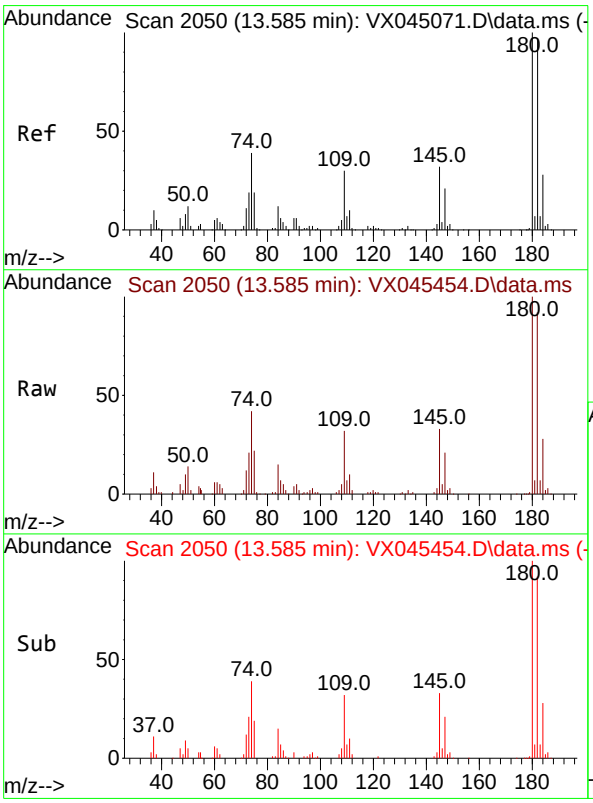
Ion	Ratio	Lower	Upper
75	100		
155	73.9	39.6	118.7
157	91.6	51.1	153.4

Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MSD

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

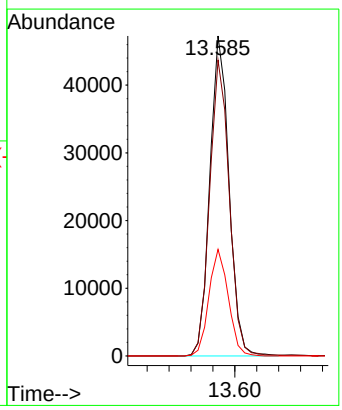


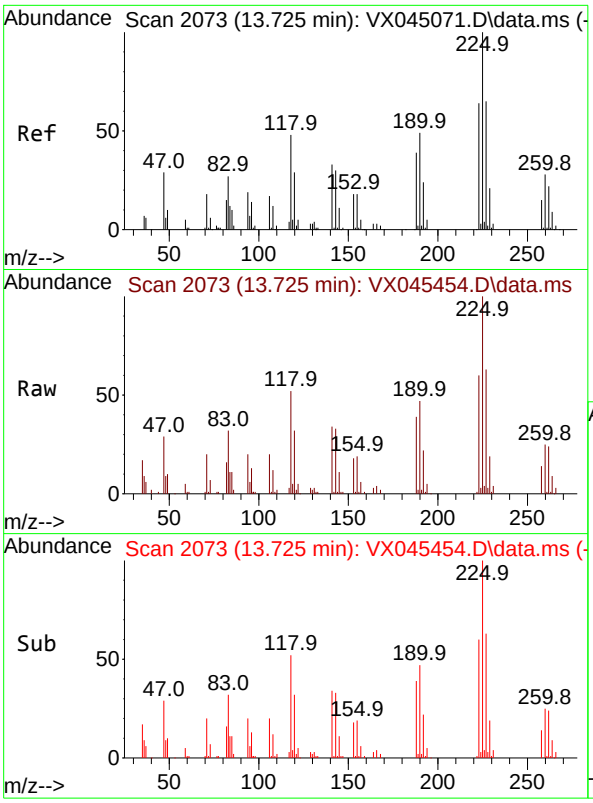


#93
1,2,4-Trichlorobenzene
Concen: 51.861 ug/l
RT: 13.585 min Scan# 2050
Delta R.T. -0.000 min
Lab File: VX045454.D
Acq: 25 Mar 2025 20:37

Tgt Ion:180 Resp: 57410

Ion	Ratio	Lower	Upper
180	100		
182	94.6	47.3	141.9
145	33.6	16.3	48.9

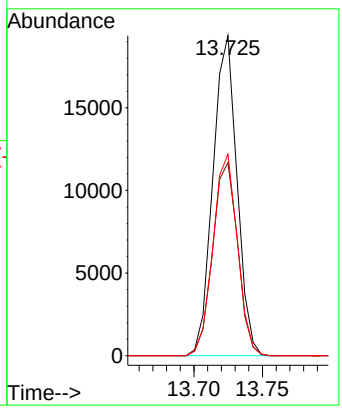




#94
Hexachlorobutadiene
Concen: 52.086 ug/l
RT: 13.725 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045454.D
Acq: 25 Mar 2025 20:37

Tgt Ion:225 Resp: 2363

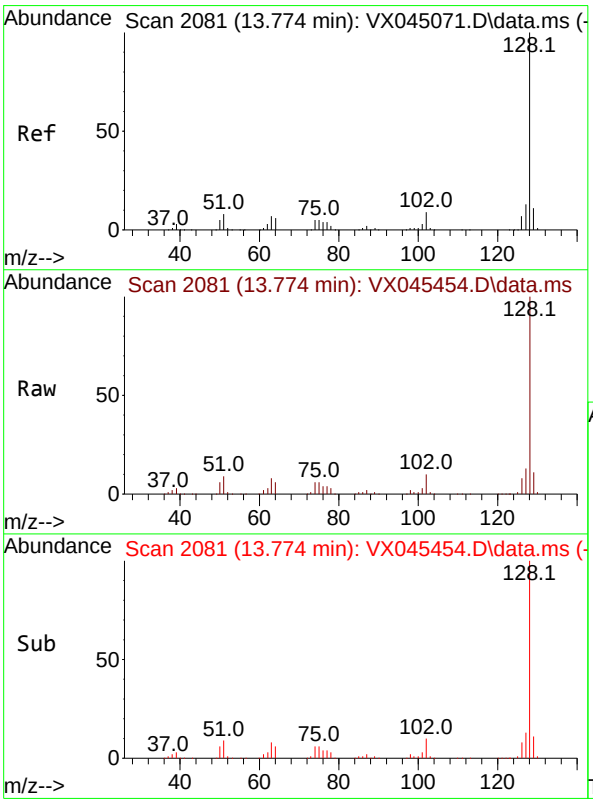
Ion	Ratio	Lower	Upper
225	100		
223	62.7	31.9	95.7
227	63.8	31.4	94.0



Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MSD

Manual Integrations
APPROVED

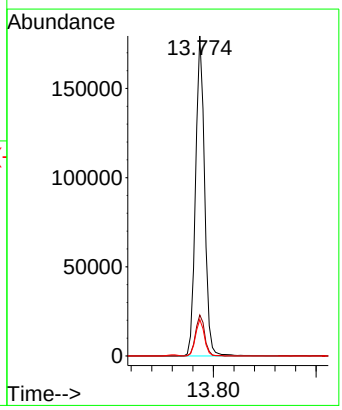
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

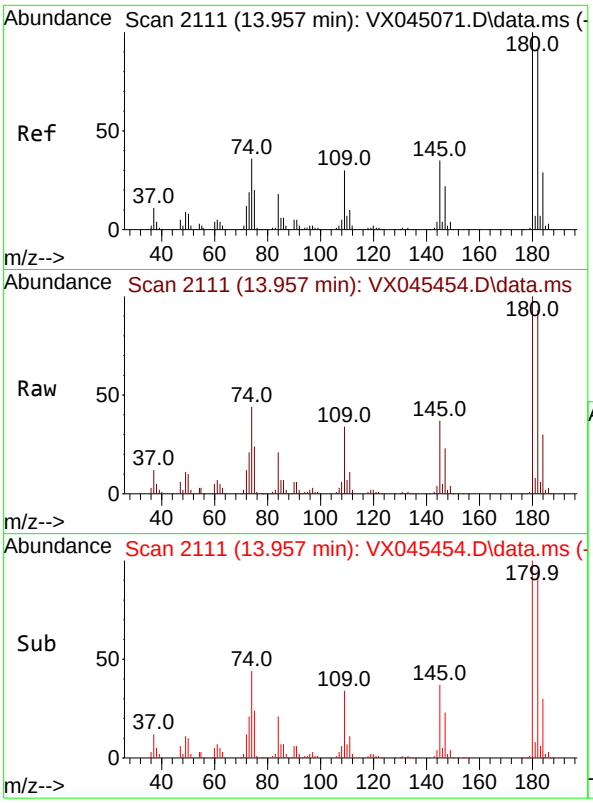


#95
Naphthalene
Concen: 51.660 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.000 min
Lab File: VX045454.D
Acq: 25 Mar 2025 20:37

Tgt Ion:128 Resp: 219719

Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.3	15.5
129	11.1	8.7	13.1

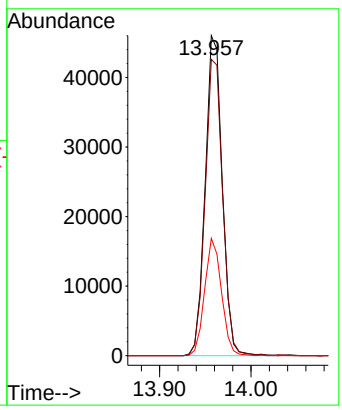




#96
1,2,3-Trichlorobenzene
Concen: 51.041 ug/l
RT: 13.957 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045454.D
Acq: 25 Mar 2025 20:37

Tgt Ion:180 Resp: 5960

Ion	Ratio	Lower	Upper
180	100		
182	94.9	47.5	142.6
145	36.3	17.0	50.9



Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MSD

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

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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:	VX032125	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VX045375.D	1,2,3-Trichloropropane	SAM	3/24/2025 2:02:53 AM	MMDadoda	3/24/2025 2:04:35 AM	Peak Integrated by Software
VX0321WBS01	VX045378.D	1,2,3-Trichloropropane	SAM	3/24/2025 2:02:55 AM	MMDadoda	3/24/2025 2:04:10 AM	Peak Integrated by Software
VSTDCCC050	VX045401.D	1,2,3-Trichloropropane	SAM	3/24/2025 2:02:59 AM	MMDadoda	3/24/2025 2:04:16 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VX032425	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VX045403.D	1,2,3-Trichloropropane	JOHN	3/25/2025 9:57:31 AM	MMDadoda	3/25/2025 12:06:03 PM	Peak Integrated by Software
VX0324WBS01	VX045406.D	1,2,3-Trichloropropane	JOHN	3/25/2025 9:57:35 AM	MMDadoda	3/25/2025 12:06:07 PM	Peak Integrated by Software
Q1608-19	VX045419.D	Carbon Tetrachloride	JOHN	3/25/2025 9:57:54 AM	MMDadoda	3/25/2025 12:06:16 PM	Peak Integrated by Software
VSTDCCC050	VX045429.D	1,2,3-Trichloropropane	JOHN	3/25/2025 9:57:58 AM	MMDadoda	3/25/2025 12:06:21 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VX032525	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VX045431.D	1,2,3-Trichloropropane	JOHN	3/26/2025 10:03:11 AM	MMDadoda	3/26/2025 12:58:05 PM	Peak Integrated by Software
VX0325WBS02	VX045436.D	1,2,3-Trichloropropane	JOHN	3/26/2025 10:03:20 AM	MMDadoda	3/26/2025 1:08:13 PM	Peak Integrated by Software
Q1608-12MS	VX045453.D	1,2,3-Trichloropropane	JOHN	3/26/2025 10:03:45 AM	MMDadoda	3/26/2025 1:08:09 PM	Peak Integrated by Software
Q1608-13MSD	VX045454.D	1,2,3-Trichloropropane	JOHN	3/26/2025 10:03:50 AM	MMDadoda	3/26/2025 1:08:07 PM	Peak Integrated by Software
VSTDCCC050	VX045455.D	1,2,3-Trichloropropane	JOHN	3/26/2025 10:03:56 AM	MMDadoda	3/26/2025 1:08:04 PM	Peak Integrated by Software

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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	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 # VX032125

Review By	Semsettin Yesilyurt	Review On	3/24/2025 2:03:22 AM				
Supervise By	Mahesh Dadoda	Supervise On	3/24/2025 2:04:46 AM				
SubDirectory	VX032125	HP Acquire Method	MSVOA_X	HP Processing Method	82X022825W.M		

STD. NAME	STD REF.#
Tune/Reschk	VP133432
Initial Calibration Stds	
CCC	VP133433,VP133434
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr #	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX045374.D	21 Mar 2025 09:29	JC/MD	Ok
2	VSTDCCC050	VX045375.D	21 Mar 2025 10:00	JC/MD	Ok,M
3	VX0321MBL01	VX045376.D	21 Mar 2025 10:29	JC/MD	Ok
4	VX0321WBL01	VX045377.D	21 Mar 2025 10:52	JC/MD	Ok
5	VX0321WBS01	VX045378.D	21 Mar 2025 11:15	JC/MD	Ok,M
6	VX0321WBSD01	VX045379.D	21 Mar 2025 11:44	JC/MD	Ok,M
7	Q1582-02DL	VX045380.D	21 Mar 2025 12:08	JC/MD	Ok
8	Q1582-06DL	VX045381.D	21 Mar 2025 12:31	JC/MD	Ok
9	Q1582-07DL	VX045382.D	21 Mar 2025 12:54	JC/MD	Ok
10	Q1582-03DL	VX045383.D	21 Mar 2025 13:18	JC/MD	Ok
11	Q1582-10DL	VX045384.D	21 Mar 2025 13:41	JC/MD	Ok
12	Q1582-08DL	VX045385.D	21 Mar 2025 14:04	JC/MD	Ok
13	Q1582-04	VX045386.D	21 Mar 2025 14:28	JC/MD	Ok
14	Q1582-05	VX045387.D	21 Mar 2025 14:51	JC/MD	Ok
15	Q1582-09	VX045388.D	21 Mar 2025 15:14	JC/MD	Ok
16	Q1582-11	VX045389.D	21 Mar 2025 15:38	JC/MD	Ok
17	Q1582-01	VX045390.D	21 Mar 2025 16:01	JC/MD	Ok
18	Q1582-13	VX045391.D	21 Mar 2025 16:25	JC/MD	Ok
19	Q1582-14	VX045392.D	21 Mar 2025 16:48	JC/MD	Ok
20	Q1582-15	VX045393.D	21 Mar 2025 17:11	JC/MD	Ok
21	Q1608-01	VX045394.D	21 Mar 2025 17:35	JC/MD	Ok

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX032125

Review By	Semsettin Yesilyurt	Review On	3/24/2025 2:03:22 AM				
Supervise By	Mahesh Dadoda	Supervise On	3/24/2025 2:04:46 AM				
SubDirectory	VX032125	HP Acquire Method	MSVOA_X	HP Processing Method	82X022825W.M		

STD. NAME	STD REF.#
Tune/Reschk	VP133432
Initial Calibration Stds	
CCC	VP133433,VP133434
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q1608-02	VX045395.D	21 Mar 2025 17:58	JC/MD	Dilution
23	Q1608-03	VX045396.D	21 Mar 2025 18:21	JC/MD	Dilution
24	Q1608-04	VX045397.D	21 Mar 2025 18:44	JC/MD	Ok
25	Q1608-05	VX045398.D	21 Mar 2025 19:08	JC/MD	Ok
26	Q1608-06	VX045399.D	21 Mar 2025 19:31	JC/MD	Ok
27	Q1608-07	VX045400.D	21 Mar 2025 19:54	JC/MD	Ok
28	VSTDCCC050	VX045401.D	21 Mar 2025 20:41	JC/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX032425

Review By	John Carlone	Review On	3/25/2025 10:08:42 AM		
Supervise By	Mahesh Dadoda	Supervise On	3/25/2025 12:06:32 PM		
SubDirectory	VX032425	HP Acquire Method		HP Processing Method	82X022825W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133448
Initial Calibration Stds	
CCC	VP133450,VP133453
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr #	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX045402.D	24 Mar 2025 09:58	JC/MD	Ok
2	VSTDCCC050	VX045403.D	24 Mar 2025 10:26	JC/MD	Ok,M
3	VX0324MBL01	VX045404.D	24 Mar 2025 10:55	JC/MD	Ok
4	VX0324WBL01	VX045405.D	24 Mar 2025 11:19	JC/MD	Ok
5	VX0324WBS01	VX045406.D	24 Mar 2025 11:42	JC/MD	Ok,M
6	VX0324WBSD01	VX045407.D	24 Mar 2025 12:10	JC/MD	Ok,M
7	Q1608-02DL	VX045408.D	24 Mar 2025 12:34	JC/MD	Ok
8	Q1608-03DL	VX045409.D	24 Mar 2025 12:57	JC/MD	Ok
9	Q1608-29	VX045410.D	24 Mar 2025 13:20	JC/MD	Ok
10	Q1608-08	VX045411.D	24 Mar 2025 13:44	JC/MD	Ok
11	Q1608-09	VX045412.D	24 Mar 2025 14:07	JC/MD	Ok
12	Q1608-10	VX045413.D	24 Mar 2025 14:30	JC/MD	Dilution
13	Q1608-14	VX045414.D	24 Mar 2025 14:54	JC/MD	ReRun
14	Q1608-15	VX045415.D	24 Mar 2025 15:17	JC/MD	Ok
15	Q1608-16	VX045416.D	24 Mar 2025 15:41	JC/MD	Dilution
16	Q1608-17	VX045417.D	24 Mar 2025 16:04	JC/MD	Dilution
17	Q1608-18	VX045418.D	24 Mar 2025 16:27	JC/MD	Dilution
18	Q1608-19	VX045419.D	24 Mar 2025 16:50	JC/MD	Dilution
19	Q1608-20	VX045420.D	24 Mar 2025 17:14	JC/MD	Ok
20	Q1608-21	VX045421.D	24 Mar 2025 17:37	JC/MD	Dilution
21	Q1608-22	VX045422.D	24 Mar 2025 18:00	JC/MD	Ok

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX032425

Review By	John Carlone	Review On	3/25/2025 10:08:42 AM		
Supervise By	Mahesh Dadoda	Supervise On	3/25/2025 12:06:32 PM		
SubDirectory	VX032425	HP Acquire Method		HP Processing Method	82X022825W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133448
Initial Calibration Stds	
CCC	VP133450,VP133453
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q1608-23	VX045423.D	24 Mar 2025 18:23	JC/MD	Ok
23	Q1608-24	VX045424.D	24 Mar 2025 18:46	JC/MD	Ok
24	Q1608-25	VX045425.D	24 Mar 2025 19:10	JC/MD	Ok
25	Q1608-26	VX045426.D	24 Mar 2025 19:33	JC/MD	Ok
26	Q1608-27	VX045427.D	24 Mar 2025 19:56	JC/MD	Ok
27	Q1608-28	VX045428.D	24 Mar 2025 20:19	JC/MD	Ok
28	VSTDCCC050	VX045429.D	24 Mar 2025 20:42	JC/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX032525

Review By	John Carlone	Review On	3/26/2025 10:08:08 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	3/26/2025 1:11:57 PM		
SubDirectory	VX032525	HP Acquire Method		HP Processing Method	82X022825W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133484
Initial Calibration Stds	
CCC	VP133485,VP133486
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr #	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX045430.D	25 Mar 2025 09:37	JC/MD	Ok
2	VSTDCCC050	VX045431.D	25 Mar 2025 11:31	JC/MD	Ok,M
3	VX0325MBL01	VX045432.D	25 Mar 2025 11:59	JC/MD	Ok
4	VX0325WBL01	VX045433.D	25 Mar 2025 12:22	JC/MD	Ok
5	VX0325WBS01	VX045434.D	25 Mar 2025 12:46	JC/MD	Not Ok
6	Q1608-10DL	VX045435.D	25 Mar 2025 13:12	JC/MD	Ok
7	VX0325WBS02	VX045436.D	25 Mar 2025 13:35	JC/MD	Ok,M
8	Q1608-17DL	VX045437.D	25 Mar 2025 14:03	JC/MD	Ok
9	Q1608-19DL	VX045438.D	25 Mar 2025 14:26	JC/MD	Ok
10	Q1608-21DL	VX045439.D	25 Mar 2025 14:50	JC/MD	Ok
11	Q1608-18DL	VX045440.D	25 Mar 2025 15:13	JC/MD	Ok
12	Q1608-14RE	VX045441.D	25 Mar 2025 15:36	JC/MD	Confirms
13	Q1608-16DL	VX045442.D	25 Mar 2025 15:59	JC/MD	Ok
14	Q1629-12	VX045443.D	25 Mar 2025 16:22	JC/MD	Ok
15	Q1629-11	VX045444.D	25 Mar 2025 16:46	JC/MD	Ok
16	Q1629-01	VX045445.D	25 Mar 2025 17:09	JC/MD	Ok
17	Q1629-02	VX045446.D	25 Mar 2025 17:32	JC/MD	Ok
18	Q1629-07	VX045447.D	25 Mar 2025 17:55	JC/MD	Ok
19	Q1629-08	VX045448.D	25 Mar 2025 18:18	JC/MD	Ok
20	Q1629-09	VX045449.D	25 Mar 2025 18:41	JC/MD	Ok
21	Q1629-10	VX045450.D	25 Mar 2025 19:05	JC/MD	Ok

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX032525

Review By	John Carlone	Review On	3/26/2025 10:08:08 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	3/26/2025 1:11:57 PM		
SubDirectory	VX032525	HP Acquire Method		HP Processing Method	82X022825W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133484
Initial Calibration Stds	
CCC	VP133485,VP133486
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	VX0325WBSD02	VX045451.D	25 Mar 2025 19:28	JC/MD	Not Ok
23	Q1608-11	VX045452.D	25 Mar 2025 19:51	JC/MD	Ok
24	Q1608-12MS	VX045453.D	25 Mar 2025 20:14	JC/MD	Ok,M
25	Q1608-13MSD	VX045454.D	25 Mar 2025 20:37	JC/MD	Ok,M
26	VSTDCCC050	VX045455.D	25 Mar 2025 21:00	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 # VX032125

Review By	Semsettin Yesilyurt	Review On	3/24/2025 2:03:22 AM		
Supervise By	Mahesh Dadoda	Supervise On	3/24/2025 2:04:46 AM		
SubDirectory	VX032125	HP Acquire Method	MSVOA_X	HP Processing Method	82X022825W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133432
Initial Calibration Stds	
CCC	VP133433,VP133434
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	VX045374.D	21 Mar 2025 09:29		JC/MD	Ok
2	VSTDCCC050	VSTDCCC050	VX045375.D	21 Mar 2025 10:00	pH#Lot#V12668	JC/MD	Ok,M
3	VX0321MBL01	VX0321MBL01	VX045376.D	21 Mar 2025 10:29		JC/MD	Ok
4	VX0321WBL01	VX0321WBL01	VX045377.D	21 Mar 2025 10:52		JC/MD	Ok
5	VX0321WBS01	VX0321WBS01	VX045378.D	21 Mar 2025 11:15		JC/MD	Ok,M
6	VX0321WBSD01	VX0321WBSD01	VX045379.D	21 Mar 2025 11:44		JC/MD	Ok,M
7	Q1582-02DL	TT180D1-20250313DL	VX045380.D	21 Mar 2025 12:08	vial B pH<2	JC/MD	Ok
8	Q1582-06DL	RE131D1-20250313DL	VX045381.D	21 Mar 2025 12:31	vial B pH<2	JC/MD	Ok
9	Q1582-07DL	RE131D2-20250313DL	VX045382.D	21 Mar 2025 12:54	vial B pH<2	JC/MD	Ok
10	Q1582-03DL	TT180D2-20250313DL	VX045383.D	21 Mar 2025 13:18	vial B pH<2	JC/MD	Ok
11	Q1582-10DL	RE114D1-20250313DL	VX045384.D	21 Mar 2025 13:41	vial B pH<2	JC/MD	Ok
12	Q1582-08DL	RE131D3-20250313DL	VX045385.D	21 Mar 2025 14:04	vial B pH<2	JC/MD	Ok
13	Q1582-04	TT180D-20250313	VX045386.D	21 Mar 2025 14:28	vial B pH<2	JC/MD	Ok
14	Q1582-05	FB02-20250313	VX045387.D	21 Mar 2025 14:51	vial B pH<2,FB	JC/MD	Ok
15	Q1582-09	TT119S1-20250313	VX045388.D	21 Mar 2025 15:14	vial B pH<2	JC/MD	Ok
16	Q1582-11	BPOW1-7-20250314	VX045389.D	21 Mar 2025 15:38	vial B pH<2	JC/MD	Ok
17	Q1582-01	RE117D1-20250313	VX045390.D	21 Mar 2025 16:01	vial A pH<2	JC/MD	Ok
18	Q1582-13	TT191D1-20250314	VX045391.D	21 Mar 2025 16:25	vial A pH<2	JC/MD	Ok

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX032125

Review By	Semsettin Yesilyurt	Review On	3/24/2025 2:03:22 AM		
Supervise By	Mahesh Dadoda	Supervise On	3/24/2025 2:04:46 AM		
SubDirectory	VX032125	HP Acquire Method	MSVOA_X	HP Processing Method	82X022825W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133432
Initial Calibration Stds	
CCC	VP133433,VP133434
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q1582-14	TT191D2-20250314	VX045392.D	21 Mar 2025 16:48	vial A pH<2	JC/MD	Ok
20	Q1582-15	DUP06-20250314	VX045393.D	21 Mar 2025 17:11	vial A pH<2	JC/MD	Ok
21	Q1608-01	TT172S1-20250317	VX045394.D	21 Mar 2025 17:35	vial A pH<2	JC/MD	Ok
22	Q1608-02	RE139D1-20250317	VX045395.D	21 Mar 2025 17:58	vial A pH<2 Need 4X	JC/MD	Dilution
23	Q1608-03	RE139D2-20250317	VX045396.D	21 Mar 2025 18:21	vial A pH<2 Surrogate Fail; Need 4X	JC/MD	Dilution
24	Q1608-04	TT205S1-20250317	VX045397.D	21 Mar 2025 18:44	vial A pH<2	JC/MD	Ok
25	Q1608-05	DUP07-20250317	VX045398.D	21 Mar 2025 19:08	vial A pH<2	JC/MD	Ok
26	Q1608-06	TT163S1-20250317	VX045399.D	21 Mar 2025 19:31	vial A pH<2	JC/MD	Ok
27	Q1608-07	RW11-MW01S-202503	VX045400.D	21 Mar 2025 19:54	vial A pH<2	JC/MD	Ok
28	VSTDCCC050	VSTDCCC050EC	VX045401.D	21 Mar 2025 20:41		JC/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX032425

Review By	John Carlone	Review On	3/25/2025 10:08:42 AM		
Supervise By	Mahesh Dadoda	Supervise On	3/25/2025 12:06:32 PM		
SubDirectory	VX032425	HP Acquire Method		HP Processing Method	82X022825W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133448
Initial Calibration Stds	
CCC	VP133450,VP133453
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	VX045402.D	24 Mar 2025 09:58		JC/MD	Ok
2	VSTDCCC050	VSTDCCC050	VX045403.D	24 Mar 2025 10:26	pH#Lot#V12668	JC/MD	Ok,M
3	VX0324MBL01	VX0324MBL01	VX045404.D	24 Mar 2025 10:55		JC/MD	Ok
4	VX0324WBL01	VX0324WBL01	VX045405.D	24 Mar 2025 11:19		JC/MD	Ok
5	VX0324WBS01	VX0324WBS01	VX045406.D	24 Mar 2025 11:42		JC/MD	Ok,M
6	VX0324WBSD01	VX0324WBSD01	VX045407.D	24 Mar 2025 12:10		JC/MD	Ok,M
7	Q1608-02DL	RE139D1-20250317DL	VX045408.D	24 Mar 2025 12:34	vial B pH<2	JC/MD	Ok
8	Q1608-03DL	RE139D2-20250317DL	VX045409.D	24 Mar 2025 12:57	vial B pH<2	JC/MD	Ok
9	Q1608-29	TB	VX045410.D	24 Mar 2025 13:20	vial A pH<2 TB	JC/MD	Ok
10	Q1608-08	RW11-MW01I-2025031	VX045411.D	24 Mar 2025 13:44	vial A pH<2	JC/MD	Ok
11	Q1608-09	GM38-RW3-MW1-2025	VX045412.D	24 Mar 2025 14:07	vial A pH<2	JC/MD	Ok
12	Q1608-10	DUP08-20250318	VX045413.D	24 Mar 2025 14:30	vial A pH<2 Need 4X	JC/MD	Dilution
13	Q1608-14	RE132D2-20250318	VX045414.D	24 Mar 2025 14:54	vial A pH<2 E flage in previous sample	JC/MD	ReRun
14	Q1608-15	RE132D3-20250318	VX045415.D	24 Mar 2025 15:17	vial A pH<2	JC/MD	Ok
15	Q1608-16	RE132D4-20250318	VX045416.D	24 Mar 2025 15:41	vial A pH<2 Need 4X	JC/MD	Dilution
16	Q1608-17	RE132D5-20250318	VX045417.D	24 Mar 2025 16:04	vial A pH<2 Need 4X	JC/MD	Dilution
17	Q1608-18	RE132D6-20250318	VX045418.D	24 Mar 2025 16:27	vial A pH<2 Need 50X	JC/MD	Dilution

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX032425

Review By	John Carlone	Review On	3/25/2025 10:08:42 AM		
Supervise By	Mahesh Dadoda	Supervise On	3/25/2025 12:06:32 PM		
SubDirectory	VX032425	HP Acquire Method		HP Processing Method	82X022825W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133448
Initial Calibration Stds	
CCC	VP133450,VP133453
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	Q1608-19	RE132D7-20250318	VX045419.D	24 Mar 2025 16:50	vial A pH<2 Need 20X	JC/MD	Dilution
19	Q1608-20	RE117D2-20250319	VX045420.D	24 Mar 2025 17:14	vial A pH<2	JC/MD	Ok
20	Q1608-21	TT101D2-20250319	VX045421.D	24 Mar 2025 17:37	vial A pH<2 Need 40X	JC/MD	Dilution
21	Q1608-22	TT161S1-20250319	VX045422.D	24 Mar 2025 18:00	vial A pH<2	JC/MD	Ok
22	Q1608-23	TT189D2-20250319	VX045423.D	24 Mar 2025 18:23	vial A pH<2	JC/MD	Ok
23	Q1608-24	RW8-MW01S-2025031	VX045424.D	24 Mar 2025 18:46	vial A pH<2	JC/MD	Ok
24	Q1608-25	RW8-MW01D1-202503	VX045425.D	24 Mar 2025 19:10	vial A pH<2	JC/MD	Ok
25	Q1608-26	RW8-MW01D2-202503	VX045426.D	24 Mar 2025 19:33	vial A pH<2	JC/MD	Ok
26	Q1608-27	RW8-MW01D3-202503	VX045427.D	24 Mar 2025 19:56	vial A pH<2	JC/MD	Ok
27	Q1608-28	DUP09-20250319	VX045428.D	24 Mar 2025 20:19	vial A pH<2	JC/MD	Ok
28	VSTDCCC050	VSTDCCC050EC	VX045429.D	24 Mar 2025 20:42		JC/MD	Ok,M

M : Manual Integration

Alliance TECHNICAL GROUP
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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX032525

Review By	John Carlone	Review On	3/26/2025 10:08:08 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	3/26/2025 1:11:57 PM		
SubDirectory	VX032525	HP Acquire Method		HP Processing Method	82X022825W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133484
Initial Calibration Stds	
CCC	VP133485,VP133486
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	VX045430.D	25 Mar 2025 09:37		JC/MD	Ok
2	VSTDCCC050	VSTDCCC050	VX045431.D	25 Mar 2025 11:31	CCAL failed high for comp. #2	JC/MD	Ok,M
3	VX0325MBL01	VX0325MBL01	VX045432.D	25 Mar 2025 11:59		JC/MD	Ok
4	VX0325WBL01	VX0325WBL01	VX045433.D	25 Mar 2025 12:22		JC/MD	Ok
5	VX0325WBS01	VX0325WBS01	VX045434.D	25 Mar 2025 12:46	Surrogate Fail	JC/MD	Not Ok
6	Q1608-10DL	DUP08-20250318DL	VX045435.D	25 Mar 2025 13:12	vial B pH<2	JC/MD	Ok
7	VX0325WBS02	VX0325WBS02	VX045436.D	25 Mar 2025 13:35		JC/MD	Ok,M
8	Q1608-17DL	RE132D5-20250318DL	VX045437.D	25 Mar 2025 14:03	vial B pH<2	JC/MD	Ok
9	Q1608-19DL	RE132D7-20250318DL	VX045438.D	25 Mar 2025 14:26	vial B pH<2	JC/MD	Ok
10	Q1608-21DL	TT101D2-20250319DL	VX045439.D	25 Mar 2025 14:50	vial B pH<2	JC/MD	Ok
11	Q1608-18DL	RE132D6-20250318DL	VX045440.D	25 Mar 2025 15:13	vial B pH<2	JC/MD	Ok
12	Q1608-14RE	RE132D2-20250318RE	VX045441.D	25 Mar 2025 15:36	vial B pH<2	JC/MD	Confirms
13	Q1608-16DL	RE132D4-20250318DL	VX045442.D	25 Mar 2025 15:59	vial B pH<2	JC/MD	Ok
14	Q1629-12	TB	VX045443.D	25 Mar 2025 16:22	vial A pH<2 TB	JC/MD	Ok
15	Q1629-11	FB03-20250321	VX045444.D	25 Mar 2025 16:46	vial A pH<2 FB	JC/MD	Ok
16	Q1629-01	TT174I1-20250320	VX045445.D	25 Mar 2025 17:09	vial A pH<2	JC/MD	Ok
17	Q1629-02	TT162S1-20250320	VX045446.D	25 Mar 2025 17:32	vial A pH<2	JC/MD	Ok
18	Q1629-07	RW09-MW01D1-20250	VX045447.D	25 Mar 2025 17:55	vial A pH<2	JC/MD	Ok

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX032525

Review By	John Carlone	Review On	3/26/2025 10:08:08 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	3/26/2025 1:11:57 PM		
SubDirectory	VX032525	HP Acquire Method		HP Processing Method	82X022825W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133484
Initial Calibration Stds	
CCC	VP133485,VP133486
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q1629-08	RW09-MW01D2-20250	VX045448.D	25 Mar 2025 18:18	vial A pH<2	JC/MD	Ok
20	Q1629-09	RW09-MW01D3-20250	VX045449.D	25 Mar 2025 18:41	vial A pH<2	JC/MD	Ok
21	Q1629-10	TT150S1-20250320	VX045450.D	25 Mar 2025 19:05	vial A pH<2	JC/MD	Ok
22	VX0325WBSD02	VX0325WBSD02	VX045451.D	25 Mar 2025 19:28	Surrogate Fail	JC/MD	Not Ok
23	Q1608-11	RE132D1-20250318	VX045452.D	25 Mar 2025 19:51		JC/MD	Ok
24	Q1608-12MS	RE132D1-20250318MS	VX045453.D	25 Mar 2025 20:14		JC/MD	Ok,M
25	Q1608-13MSD	RE132D1-20250318MS	VX045454.D	25 Mar 2025 20:37		JC/MD	Ok,M
26	VSTDCCC050	VSTDCCC050EC	VX045455.D	25 Mar 2025 21:00		JC/MD	Ok,M

M : Manual Integration

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Prep Standard - Chemical Standard Summary

Order ID : Q1608

Test : VOCMS Group1

Prepbatch ID :

Sequence ID/Qc Batch ID: VX032125,VX032425,VX032525,

Standard ID :
VP131746,VP131767,VP132035,VP132096,VP133174,VP133178,VP133342,VP133432,VP133433,VP133434,VP133448,VP133450,VP133453,VP133484,VP133485,VP133486,

Chemical ID :
V13391,V13457,V13460,V13465,V13466,V13706,V14154,V14175,V14176,V14289,V14433,V14439,V14521,V14522,V14613,V14614,V14630,V14631,V14632,V14633,V14722,V14723,V14724,V14744,V14754,V14809,V14814,V14842,V14883,V14896,V14897,V14898,V14899,W3112,

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
247	8260 Internal Standard, 250PPM	VP131746	11/22/2024	05/18/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 11/23/2024

FROM 0.50000ml of V14289 + 49.50000ml of V14154 = Final Quantity: 50.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
218	BFB, 25PPM	VP131767	11/22/2024	05/18/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 11/27/2024

FROM 0.50000ml of V13391 + 49.50000ml of V14154 = Final Quantity: 50.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1810	8260 Working Std(2-CVE)-800ppm	VP132035	12/10/2024	06/10/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 12/12/2024

FROM 1.00000ml of V14630 + 1.00000ml of V14631 + 1.00000ml of V14632 + 1.00000ml of V14633 + 46.00000ml of V14614 = Final Quantity: 50.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
719	8260 Working STD (BCM)-First source, 400PPM	VP132096	12/12/2024	06/10/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 12/19/2024

FROM 1.00000ml of V13465 + 1.00000ml of V13466 + 1.50000ml of V13457 + 1.50000ml of V13460 + 20.00000ml of V14614 = Final Quantity: 25.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
617	8260 Surrogate, 400PPM	VP133174	02/27/2025	08/27/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 03/04/2025

FROM 0.40000ml of V13706 + 24.60000ml of V14613 = Final Quantity: 25.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

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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	VP133432	03/21/2025	03/22/2025	John Carlone	None	None	Mahesh Dadoda 03/24/2025

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	VP133433	03/21/2025	03/22/2025	John Carlone	None	None	Mahesh Dadoda 03/24/2025

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	VP133434	03/21/2025	03/22/2025	John Carlone	None	None	Mahesh Dadoda 03/24/2025

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	VP133448	03/24/2025	03/25/2025	John Carlone	None	None	Mahesh Dadoda 03/25/2025

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	VP133450	03/24/2025	03/25/2025	John Carlone	None	None	Mahesh Dadoda 03/25/2025

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	VP133453	03/24/2025	03/25/2025	John Carlone	None	None	Mahesh Dadoda 03/25/2025

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
589	BFB TUNE CHECK	VP133484	03/25/2025	03/26/2025	John Carlone	None	None	Mahesh Dadoda 03/26/2025

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	VP133485	03/25/2025	03/26/2025	John Carlone	None	None	Mahesh Dadoda 03/26/2025

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	VP133486	03/25/2025	03/26/2025	John Carlone	None	None	Mahesh Dadoda 03/26/2025

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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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 #
Absolute Standards, Inc.	/ 2-Chloroethyl vinyl ether	120524	06/10/2025	12/10/2024 / SAM	12/06/2024 / SAM	V14630

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

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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	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

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

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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	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 #
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

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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	V14897

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	031725	04/17/2025	03/18/2025 / SAM	03/18/2025 / SAM	V14898

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	031725	04/17/2025	03/18/2025 / SAM	03/18/2025 / SAM	V14899

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	DIW / DI Water	Daily Lab-Certified	07/03/2029	07/03/2024 / Iwona	07/03/2024 / Iwona	W3112

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis

12 Baxter

avantor™ | J.T.Baker®

Material No.: 9077-02
Batch No.: 22L0562016
Manufactured Date: 2022-10-26
Expiration Date: 2025-10-25
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (CH_3OH) (by GC, corrected for water)	≥ 99.9 %	100.0 %
Residue after Evaporation	≤ 1.0 ppm	0.2 ppm
Titrable Acid (µeq/g)	≤ 0.3	0.2
Titrable Base (µeq/g)	≤ 0.10	0.03
Water (by KF, coulometric)	≤ 0.08 %	< 0.01 %
Volatile Organic Trace Analysis – Below EPA 8260B CRQL	Conforms	Conforms

For Laboratory,Research,or Manufacturing Use
Performance Tested for Use in EPA Methods
500 Series for Drinking Water
600 Series for Wastewater
846 for Solid Waste

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

James Ethier
Jamie Ethier
Vice President Global Quality

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

CERTIFIED WEIGHT REPORT

Part Number: 95317
Lot Number: 021624
Description: Universal VOA Megamix
69 components
Expiration Date: 021627
Recommended Storage: Freezer (0 °C)
Nominal Concentration (µg/mL): 2000
NIST Test ID#: 6UTB

Solvent(s): Methanol **Lot#** EG359-USQ12

Formulated By: Prashant Chauhan 021624 DATE

Reviewed By: Pedro L. Rentas 021624 DATE

Weight(s) shown below were combined and diluted to (mL): 100.0 5E-05 Balance Uncertainty 0.021 Flask Uncertainty

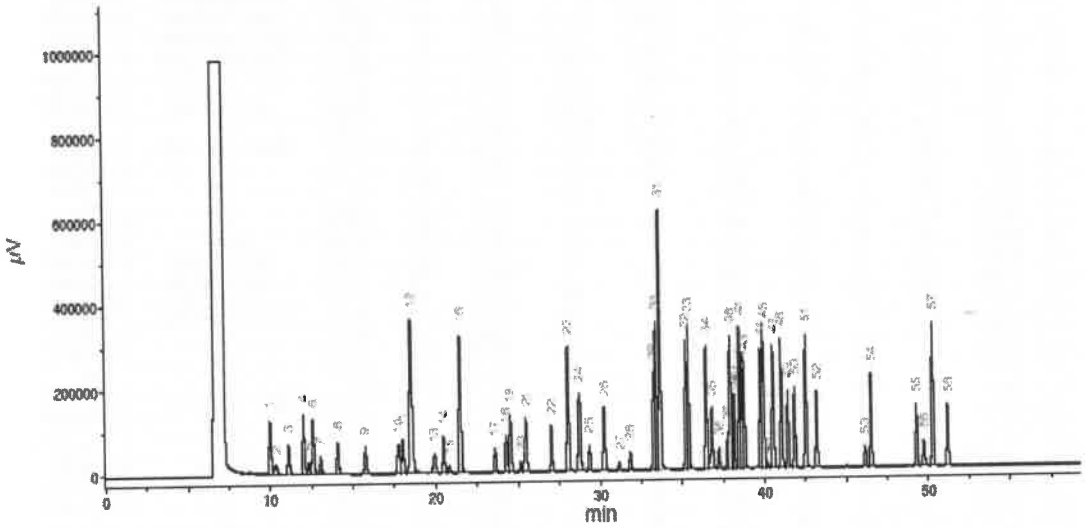
Compound	(RM#) Part Number	Lot Number	Dil. Factor	Initial Vol. (mL)	Initial Conc.(µg/mL)	Nominal Conc (µg/mL)	Purity (%)	Purity Uncertainty	Uncertainty Pipette (mL)	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Acetonitrile	(0324)	021644	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20020	2001.3	8.1	75-05-8	40 ppm (70mg/m3/8H)	orl-rat 2460mg/kg
2. Allyl chloride (3-Chloropropene)	(0325)	102396	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20221	2001.4	8.2	107-05-1	1 ppm (3mg/m3/8H)	orl-rat 700mg/kg
3. Carbon disulphide	(0060)	MKCR8561	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20023	2001.6	8.1	75-15-0	4 ppm (12mg/m3) (skin)	orl-rat 1200mg/kg
4. cis-1,4-Dichloro-2-butene	(1196)	14718EF	NA	NA	NA	2000	95	0.2	NA	0.21058	0.21069	2001.1	8.5	1476-11-5	N/A	N/A
5. trans-1,4-Dichloro-2-butene	(0486)	MKBP6041V	NA	NA	NA	2000	96.5	0.2	NA	0.20731	0.20748	2001.7	8.4	110-57-6	N/A	N/A
6. Diethyl ether	(0153)	IK18CAS0000	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20040	2001.5	8.1	60-29-7	N/A	N/A
7. Ethyl methacrylate	(0361)	06126PX	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20230	2002.3	8.2	97-63-2	N/A	orl-rat 14800mg/kg
8. Iodomethane	(0489)	SHBF8718V	NA	NA	NA	2000	99.5	0.2	NA	0.20106	0.20121	2001.5	8.2	74-88-4	5 ppm(28mg/m3/8H)(skin)	orl-rat 76mg/kg
9. 2-Methyl-1-propanol	(0445)	15241EB	NA	NA	NA	2000	99.5	0.2	NA	0.20106	0.20120	2001.4	8.1	78-83-1	50 ppm (150mg/m3/8H)	orl-rat 2460mg/kg
10. Methacrylonitrile	(0442)	00427ET	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20221	2001.4	8.2	126-98-7	1 ppm (3mg/m3/8H)(skin)	orl-rat 120mg/kg
11. Methyl acrylate	(1075)	SHBK0679	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20040	2001.5	8.1	96-33-3	10 ppm(35mg/m3/8H)(skin)	orl-rat 277mg/kg
12. Methyl methacrylate	(0404)	MKBW5137V	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20041	2001.6	8.1	80-62-6	100 ppm (410mg/m3/8H)	orl-rat 7872mg/kg
13. Nitrobenzene	(0228)	01213TV	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20220	2001.3	8.2	98-95-3	1 ppm (5mg/m3/8H)(skin)	orl-rat 780mg/kg
14. 2-Nitropropane	(0461)	14002JX	NA	NA	NA	2000	97.3	0.2	NA	0.20560	0.20577	2001.6	8.3	79-46-9	10 ppm (35mg/m3/8H)	orl-rat 720mg/kg
15. Pentachloroethane	(0450)	HGA01	NA	NA	NA	2000	98	0.2	NA	0.20413	0.20430	2001.6	8.3	76-01-7	N/A	N/A
16. 1,1,2-Trichlorotrifluoroethane	(0474)	18930	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20225	2001.8	8.2	76-13-1	1000 ppm (7600mg/m3/8H)	orl-rat 43g/kg
17. Bromodichloromethane	35171	101623	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6	22.9	75-27-4	N/A	orl-rat 916mg/kg
18. Dibromochloromethane	35171	101623	0.05	5.00	40002.1	2000	NA	NA	0.017	NA	NA	1999.6	23.0	124-48-1	N/A	orl-rat 848mg/kg
19. cis-1,2-Dichloroethene	35171	101623	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.7	22.9	156-59-2	N/A	N/A
20. trans-1,2-Dichloroethene	35171	101623	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.6	23.0	156-60-5	N/A	orl-rat 1235mg/kg
21. Methylene chloride	35171	101623	0.05	5.00	40002.8	2000	NA	NA	0.017	NA	NA	1999.6	22.9	75-09-2	500 ppm	orl-rat 820mg/kg
22. 1,1-Dichloroethene	32251	102023	0.10	10.00	20001.6	2000	NA	NA	0.042	NA	NA	1999.7	20.4	75-35-4	1 ppm (4mg/m3/8H)	orl-rat 200mg/kg
23. Bromoform	95321	020724	0.10	10.00	20003.2	2000	NA	NA	0.042	NA	NA	1999.8	20.5	75-25-2	0.5 ppm (5mg/m3) (skin)	orl-rat 933mg/kg
24. Carbon tetrachloride	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.4	56-23-5	2 ppm (12.6mg/m3/8H)	orl-rat 2350mg/kg
25. Chloroform	95321	020724	0.10	10.00	20024.0	2000	NA	NA	0.042	NA	NA	2001.9	20.5	67-66-3	50 ppm (240mg/m3) (CL)	orl-rat 908mg/kg
26. Dibromomethane	95321	020724	0.10	10.00	20002.9	2000	NA	NA	0.042	NA	NA	1999.8	20.5	74-95-3	N/A	orl-rat 108mg/kg
27. 1,1-Dichloroethane	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.5	75-34-3	100 ppm	orl-rat 725mg/kg
28. 2,2-Dichloropropane	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.4	594-20-7	N/A	N/A
29. Tetrachloroethene	95321	020724	0.10	10.00	20201.1	2000	NA	NA	0.042	NA	NA	2019.6	20.6	127-18-4	25 ppm (170mg/m3/8H)(final)	orl-rat 2629mg/kg
30. 1,1,1-Trichloroethane	95321	020724	0.10	10.00	20003.0	2000	NA	NA	0.042	NA	NA	1999.8	20.5	71-55-6	350 ppm (1900mg/m3/8H)	orl-rat 10300mg/kg
31. 1,2-Dibromo-3-chloropropane	35161	112322	0.05	5.00	40016.5	2000	NA	NA	0.017	NA	NA	2000.3	22.9	96-12-8	0.001 ppm	orl-rat 170mg/kg
32. 1,2-Dibromoethane	35161	112322	0.05	5.00	40024.8	2000	NA	NA	0.017	NA	NA	2000.7	22.9	106-93-4	20 ppm (8H)	orl-rat 108mg/kg
33. 1,2-Dichloroethane	35161	112322	0.05	5.00	40018.0	2000	NA	NA	0.017	NA	NA	2000.4	22.9	107-06-2	50 ppm (8H)	orl-rat 670mg/kg
34. 1,2-Dichloropropane	35161	112322	0.05	5.00	40051.0	2000	NA	NA	0.017	NA	NA	2002.0	22.9	78-87-5	75 ppm (350mg/m3/8H)	orl-rat 1947mg/kg
35. 1,3-Dichloropropane	35161	112322	0.05	5.00	40005.9	2000	NA	NA	0.017	NA	NA	1999.8	22.9	142-28-9	N/A	unr-mus 3600mg/kg
36. 1,1-Dichloropropene	35161	112322	0.05	5.00	40012.1	2000	NA	NA	0.017	NA	NA	2000.1	29.7	563-58-6	N/A	N/A
37. cis-1,3-Dichloropropene	35161	112322	0.05	5.00	40010.0	2000	NA	NA	0.017	NA	NA	2000.0	23.0	10061-01-5	N/A	N/A
38. trans-1,3-Dichloropropene	35161	112322	0.05	5.00	40017.8	2000	NA	NA	0.017	NA	NA	2000.4	23.0	10061-02-6	N/A	N/A
39. Hexachloro-1,3-butadiene	35161	112322	0.05	5.00	40021.9	2000	NA	NA	0.017	NA	NA	2000.6	29.7	87-68-3	0.02 ppm (0.24mg/m3/8H)	orl-rat 82mg/kg
40. 1,1,1,2-Tetrachloroethane	35161	112322	0.05	5.00	40011.9	2000	NA	NA	0.017	NA	NA	2000.1	22.9	630-20-6	N/A	orl-rat 670mg/kg
41. 1,1,2,2-Tetrachloroethane	35161	112322	0.05	5.00	40007.5	2000	NA	NA	0.017	NA	NA	1999.9	22.9	79-34-5	5 ppm (35mg/m3/8H)(skin)	orl-rat 800mg/kg
42. 1,1,2-Trichloroethane	35161	112322	0.05	5.00	40006.6	2000	NA	NA	0.017	NA	NA	1999.8	23.0	79-00-5	10 ppm (46mg/m3/8H)(skin)	orl-rat 836mg/kg
43. Trichloroethene	35161	112322	0.05	5.00	40029.0	2000	NA	NA	0.017	NA	NA	2000.9	22.9	79-01-6	50 ppm (270mg/m3/8H)	orl-mus 2402mg/kg
44. 1,2,3-Trichloropropane	35161	112322	0.05	5.00	40007.5	2000	NA	NA	0.017	NA	NA	1999.9	22.9	96-18-4	10 ppm (60mg/m3/8H)	orl-rat 149.6mg/kg
45. Benzene	35162	050823	0.05	5.00	40005.0	2000	NA	NA	0.017	NA	NA	1999.7	22.9	71-43-2	1 ppm	orl-rat 4894mg/kg
46. Bromobenzene	35162	050823	0.05	5.00	40006.9	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-86-1	N/A	orl-rat 2699mg/kg
47. n-Butyl benzene	35162	050823	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	104-51-8	N/A	N/A
48. Ethyl benzene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-41-4	100 ppm (435mg/m3/8H)	orl-rat >2000mg/kg
49. p-Isopropyl toluene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	99-87-6	N/A	orl-rat 4750mg/kg
50. Naphthalene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	91-20-3	10 ppm (50mg/m3/8H)	orl-rat 490mg/kg
51. Styrene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-42-5	100 ppm	orl-rat 5000mg/kg
52. Toluene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-88-3	200 ppm	orl-rat 5000mg/kg
53. 1,2,3-Trichlorobenzene	35162	050823	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.7	22.9	87-61-6	N/A	ipr-mus 1390mg/kg
54. 1,2,4-Trichlorobenzene	35162	050823	0.05	5.00	40006.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	120-82-1	5 ppm (CL) (40mg/m3)	orl-rat 756mg/kg
55. 1,2,4-Trimethylbenzene	35162	050823	0.05	5.00	40001.6	2000	NA	NA	0.017	NA	NA	1999.6	23.0	95-63-6	N/A	orl-rat 5g/kg
56. 1,3,5-Trimethylbenzene	35162	050823	0.05	5.00	40006.7	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-67-8	N/A	orl-rat 5000mg/kg
57. m-Xylene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-38-3	100 ppm (435mg/m3/8H)	orl-rat 5g/kg
58. tert-Butyl benzene	35163	101923	0.05	5.00	40001.2	2000	NA	NA	0.017	NA	NA	1999.6	22.9	98-06-6	N/A	N/A
59. sec-Butyl benzene	35163	101923	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.6	22.9	135-98-8	N/A	orl-rat 2240mg/kg
60. Chlorobenzene	35163	101923	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	108-90-7	75 ppm (350mg/m3/8H)	orl-rat 2290mg/kg
61. 2-Chlorotoluene	35163	101923	0.05	5.00	40000.3	2000	NA	NA	0.017	NA	NA	1999.5	22.9	95-49-8	50 ppm (250mg/m3/8H)	orl-rat 3900mg/kg
62. 4-Chlorotoluene	35163	101923	0.05	5.00	40003.3	2000	NA	NA	0.017	NA	NA	1999.7	22.9	106-43-4	N/A	orl-rat 2100mg/kg
63. 1,2-Dichlorobenzene	35163	101923	0.05	5.00	40003.6	2000	NA	NA	0.017	NA	NA	1999.7	22.9	95-50-1	50 ppm (300mg/m3) (CL)	orl-rat 500mg/kg
64. 1,3-Dichlorobenzene	35163	101923	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6	23.0	541-73-1	N/A	ipr-mus 1062mg/kg
65. 1,4-Dichlorobenzene	35163	101923	0.05	5.00	40001.8	2000	NA	NA	0.017	NA	NA	1999.6	22.9	106-46-7	75 ppm (450mg/m3/8H)	orl-rat 500mg/kg
66. Isopropylbenzene	35163	101923	0.05	5.00	40000.8	2000	NA	NA	0.017	NA	NA	1999.5	22.9	98-82-8	50 ppm (245mg/m3/8H)	orl-rat 1400mg/kg
67. n-Propylbenzene	35163	101923	0.05	5.00	40003.4	2000	NA	NA	0.017	NA	NA	1999.7	23.0	103-65-1	N/A	orl-rat 6040mg/kg
68. o-Xylene	35163	101923	0.05	5.00	40040.8	2000	NA	NA	0.017	NA	NA	2001.5	23.0	95-47-6	100 ppm (435mg/m3/8H)	ipr-mus 1364mg/kg
69. p-Xylene	35163	101923	0.05	5.00	40000.6	2000	NA	NA	0.017	NA	NA	1999.5	22.9	106-42-3	100 ppm (435mg/m3/8H)	orl-rat 5g/kg

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening sample, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty References: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Run 16, "P95317 L021624 [2000µg/mL in MeOH]"

Run Length: 60.00 min, 35998 points at 10 points/second.
Created: Sat, Feb 17, 2024 at 8:56:46 AM.
Sampled: Sequence "021624-GC5M1", Method "GC5-M1".
Analyzed using Method "GC5-M1".

Comments
GC5-M1 Analysis by Candice Warren
Column ID SPB-Vocol 105 meter X 0.53mm X 3.0µm film thickness
Flow rates: Total flow=290mL/min., Helium (carrier)=10mL/min.,
Helium(make-up)=10mL/min., Hydogen(make-up)=40mL/min., Air(make-up)=230mL/min.
Oven Profile: Temp. 1=35°C (Time 1=10 min.), Temp 2=200°C (Time 2=8.75 min.),
Rate = 4°C/min., Total run time=60 min. Injector temp.=200°C, FID Temp.=200°C.
FID Signal = Edaq Channel 1
Standard injection = 0.5µL, Range=3



Peak #	Name	FID RT (min.)
1	Ether	9.97
2	1,1,2-Trichloro-1,2,2-trifluoroethane	10.33
3	1,1-Dichloroethene	11.10
4	Acetonitrile	12.00
5	Iodomethane	12.31
6	Allyl chloride	12.56
7	Carbon disulfide/Methylene chloride	13.04
8	trans-1,2-Dichloroethene	14.07
9	1,1-Dichloroethane	15.74
10	2,2-Dichloropropane	17.74
11	cis-1,2-Dichloroethene	18.00
12	Methacrylonitrile/Methyl acrylate/Chloroform	18.46
13	Isobutanol/1,1,1-Trichloroethane	19.91
14	1,1-Dichloropropene	20.46
15	Carbon tetrachloride	20.79
16	Benzene/1,2-Dichloroethane	21.49
17	Trichloroethene	23.58
18	1,2-Dichloropropane	24.28
19	Methyl methacrylate	24.52
20	Bromodichloromethane	25.13
21	Dibromomethane/2-Nitropropane	25.46
22	cis-1,3-Dichloropropene	27.02
23	Toluene	28.05
24	Ethyl methacrylate/trans-1,3-Dichloropropene	28.73
25	1,1,2-Trichloroethane	29.34
26	Tetrachloroethene/1,3-Dichloropropane	30.24
27	Dibromochloromethane	31.16
28	1,2-Dibromoethene	31.84
29	Chlorobenzene	33.26
30	Ethylbenzene/1,1,1,2-Tetrachloroethane	33.40
31	m-Xylene/p-Xylene	33.86
32	o-Xylene	35.22
33	Styrene	35.38
34	Isopropylbenzene/Bromoform	36.18
35	cis-1,4-Dichloro-2-Butene	36.80
36	1,1,2,2-Tetrachloroethane	37.23
37	1,2,3-Trichloropropane	37.77
38	n-Propylbenzene	37.93
39	trans-1,4-Dichloro-2-Butene	38.05
40	Bromobenzene	38.14
41	1,3,5-Trimethylbenzene	38.80
42	2-Chlorotoluene	38.82
43	4-Chlorotoluene	38.77
44	tert-Butylbenzene	39.76
45	1,2,4-Trimethylbenzene	39.91
46	Pentachloroethane	40.17
47	sec-Butylbenzene	40.52
48	p-Isopropyltoluene	41.02
49	1,3-Dichlorobenzene	41.42
50	1,4-Dichlorobenzene	41.83
51	n-Butylbenzene	42.53
52	1,2-Dichlorobenzene	43.18
53	1,2-Dibromo-3-chloropropane	46.12
54	Nitrobenzene	46.48
55	1,2,4-Trichlorobenzene	49.26
56	Hexachlorobutadiene	49.72
57	Naphthalene	50.26
58	1,2,3-Trichlorobenzene	51.16

Absolute Standards Inc.
PO Box 5585
Hamden, CT 06518-0585
Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International	**1-352-323-3500**
		Date Prepared/Revised	January 1, 2023

Section II - Hazards Identification

GHS Classification In accordance with 29 CFR 1910 (OSHA HCS)

H225	**Highly Flammable Liquid and Vapor**	**H301, 311, 331**	**Toxic if swallowed, skin contact, inhaled**
H370	**Cause damage to organs**	**H351**	**Suspected of causing cancer**
P271	**Use in ventilated area**	**P280**	**Use gloves, eye protection/face sheild**
P302,332	**If on skin, wash with soap and water**	**P305,351,338**	**If in eyes, remove contacts, rinse with water**



Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))			% (optional)
Methanol	METHYL ALCOHOL	CAS#: 67-56-1	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H2O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6

Solubility in Water COMPLETE

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability Stable under recommended storage conditions.
Possibility of hazardous reactions Vapours may form explosive mixture with air.
Conditions to avoid Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions. - Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50	15,400 mg/l - 96 h
EC50	24,500.00 mg/l - 48 h
EC100	10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

CERTIFIED WEIGHT REPORT

Part Number: 95317
Lot Number: 021624
Description: Universal VOA Megamix
69 components
Expiration Date: 021627
Recommended Storage: Freezer (0 °C)
Nominal Concentration (µg/mL): 2000
NIST Test ID#: 6UTB

Solvent(s): Methanol **Lot#** EG359-USQ12

Formulated By: Prashant Chauhan 021624 DATE

Reviewed By: Pedro L. Rentas 021624 DATE

Weight(s) shown below were combined and diluted to (mL): 100.0 5E-05 Balance Uncertainty 0.021 Flask Uncertainty

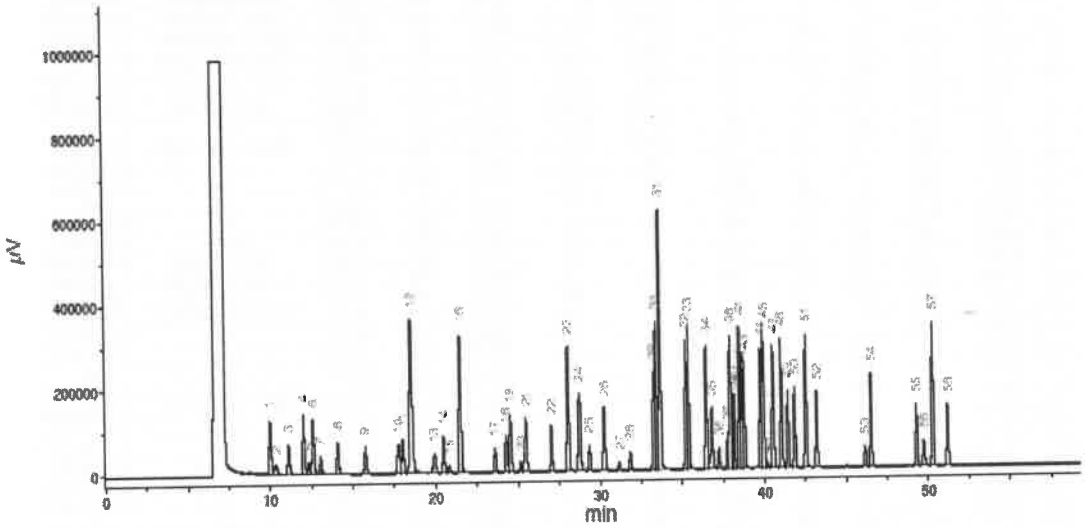
Compound	(RM#) Part Number	Lot Number	Dil. Factor	Initial Vol. (mL)	Initial Conc.(µg/mL)	Nominal Conc (µg/mL)	Purity (%)	Purity Uncertainty	Uncertainty Pipette (mL)	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Acetonitrile	(0324)	021644	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20020	2001.3	8.1	75-05-8	40 ppm (70mg/m3/8H)	orl-rat 2460mg/kg
2. Allyl chloride (3-Chloropropene)	(0325)	102396	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20221	2001.4	8.2	107-05-1	1 ppm (3mg/m3/8H)	orl-rat 700mg/kg
3. Carbon disulphide	(0060)	MKCR8561	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20023	2001.6	8.1	75-15-0	4 ppm (12mg/m3) (skin)	orl-rat 1200mg/kg
4. cis-1,4-Dichloro-2-butene	(1196)	14718EF	NA	NA	NA	2000	95	0.2	NA	0.21058	0.21069	2001.1	8.5	1476-11-5	N/A	N/A
5. trans-1,4-Dichloro-2-butene	(0486)	MKBP6041V	NA	NA	NA	2000	96.5	0.2	NA	0.20731	0.20748	2001.7	8.4	110-57-6	N/A	N/A
6. Diethyl ether	(0153)	IK18CAS0000	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20040	2001.5	8.1	60-29-7	N/A	N/A
7. Ethyl methacrylate	(0381)	06126PX	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20230	2002.3	8.2	97-63-2	N/A	orl-rat 14800mg/kg
8. Iodomethane	(0489)	SHBF8718V	NA	NA	NA	2000	99.5	0.2	NA	0.20106	0.20121	2001.5	8.2	74-88-4	5 ppm(28mg/m3/8H)(skin)	orl-rat 76mg/kg
9. 2-Methyl-1-propanol	(0445)	15241EB	NA	NA	NA	2000	99.5	0.2	NA	0.20106	0.20120	2001.4	8.1	78-83-1	50 ppm (150mg/m3/8H)	orl-rat 2460mg/kg
10. Methacrylonitrile	(0442)	00427ET	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20221	2001.4	8.2	126-98-7	1 ppm (3mg/m3/8H)(skin)	orl-rat 120mg/kg
11. Methyl acrylate	(1075)	SHBK0679	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20040	2001.5	8.1	96-33-3	10 ppm(35mg/m3/8H)(skin)	orl-rat 277mg/kg
12. Methyl methacrylate	(0404)	MKBW5137V	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20041	2001.6	8.1	80-62-6	100 ppm (410mg/m3/8H)	orl-rat 7872mg/kg
13. Nitrobenzene	(0228)	01213TV	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20220	2001.3	8.2	98-95-3	1 ppm (5mg/m3/8H)(skin)	orl-rat 780mg/kg
14. 2-Nitropropane	(0461)	14002JX	NA	NA	NA	2000	97.3	0.2	NA	0.20560	0.20577	2001.6	8.3	79-46-9	10 ppm (35mg/m3/8H)	orl-rat 720mg/kg
15. Pentachloroethane	(0450)	HGA01	NA	NA	NA	2000	98	0.2	NA	0.20413	0.20430	2001.6	8.3	76-01-7	N/A	N/A
16. 1,1,2-Trichlorotrifluoroethane	(0474)	18930	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20225	2001.8	8.2	76-13-1	1000 ppm (7600mg/m3/8H)	orl-rat 43g/kg
17. Bromodichloromethane	35171	101623	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6	22.9	75-27-4	N/A	orl-rat 916mg/kg
18. Dibromochloromethane	35171	101623	0.05	5.00	40002.1	2000	NA	NA	0.017	NA	NA	1999.6	23.0	124-48-1	N/A	orl-rat 848mg/kg
19. cis-1,2-Dichloroethene	35171	101623	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.7	22.9	156-59-2	N/A	N/A
20. trans-1,2-Dichloroethene	35171	101623	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.6	23.0	156-60-5	N/A	orl-rat 1235mg/kg
21. Methylene chloride	35171	101623	0.05	5.00	40002.8	2000	NA	NA	0.017	NA	NA	1999.6	22.9	75-09-2	500 ppm	orl-rat 820mg/kg
22. 1,1-Dichloroethene	32251	102023	0.10	10.00	20001.6	2000	NA	NA	0.042	NA	NA	1999.7	20.4	75-35-4	1 ppm (4mg/m3/8H)	orl-rat 200mg/kg
23. Bromoform	95321	020724	0.10	10.00	20003.2	2000	NA	NA	0.042	NA	NA	1999.8	20.5	75-25-2	0.5 ppm (5mg/m3) (skin)	orl-rat 933mg/kg
24. Carbon tetrachloride	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.4	56-23-5	2 ppm (12.6mg/m3/8H)	orl-rat 2350mg/kg
25. Chloroform	95321	020724	0.10	10.00	20024.0	2000	NA	NA	0.042	NA	NA	2001.9	20.5	67-66-3	50 ppm (240mg/m3) (CL)	orl-rat 908mg/kg
26. Dibromomethane	95321	020724	0.10	10.00	20002.9	2000	NA	NA	0.042	NA	NA	1999.8	20.5	74-95-3	N/A	orl-rat 108mg/kg
27. 1,1-Dichloroethane	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.5	75-34-3	100 ppm	orl-rat 725mg/kg
28. 2,2-Dichloropropane	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.4	594-20-7	N/A	N/A
29. Tetrachloroethene	95321	020724	0.10	10.00	20201.1	2000	NA	NA	0.042	NA	NA	2019.6	20.6	127-18-4	25 ppm (170mg/m3/8H)(final)	orl-rat 2629mg/kg
30. 1,1,1-Trichloroethane	95321	020724	0.10	10.00	20003.0	2000	NA	NA	0.042	NA	NA	1999.8	20.5	71-55-6	350 ppm (1900mg/m3/8H)	orl-rat 10300mg/kg
31. 1,2-Dibromo-3-chloropropane	35161	112322	0.05	5.00	40016.5	2000	NA	NA	0.017	NA	NA	2000.3	22.9	96-12-8	0.001 ppm	orl-rat 170mg/kg
32. 1,2-Dibromoethane	35161	112322	0.05	5.00	40024.8	2000	NA	NA	0.017	NA	NA	2000.7	22.9	106-93-4	20 ppm (8H)	orl-rat 108mg/kg
33. 1,2-Dichloroethane	35161	112322	0.05	5.00	40018.0	2000	NA	NA	0.017	NA	NA	2000.4	22.9	107-06-2	50 ppm (8H)	orl-rat 670mg/kg
34. 1,2-Dichloropropane	35161	112322	0.05	5.00	40051.0	2000	NA	NA	0.017	NA	NA	2002.0	22.9	78-87-5	75 ppm (350mg/m3/8H)	orl-rat 1947mg/kg
35. 1,3-Dichloropropane	35161	112322	0.05	5.00	40005.9	2000	NA	NA	0.017	NA	NA	1999.8	22.9	142-28-9	N/A	unr-mus 3600mg/kg
36. 1,1-Dichloropropene	35161	112322	0.05	5.00	40012.1	2000	NA	NA	0.017	NA	NA	2000.1	29.7	563-58-6	N/A	N/A
37. cis-1,3-Dichloropropene	35161	112322	0.05	5.00	40010.0	2000	NA	NA	0.017	NA	NA	2000.0	23.0	10061-01-5	N/A	N/A
38. trans-1,3-Dichloropropene	35161	112322	0.05	5.00	40017.8	2000	NA	NA	0.017	NA	NA	2000.4	23.0	10061-02-6	N/A	N/A
39. Hexachloro-1,3-butadiene	35161	112322	0.05	5.00	40021.9	2000	NA	NA	0.017	NA	NA	2000.6	29.7	87-68-3	0.02 ppm (0.24mg/m3/8H)	orl-rat 82mg/kg
40. 1,1,1,2-Tetrachloroethane	35161	112322	0.05	5.00	40011.9	2000	NA	NA	0.017	NA	NA	2000.1	22.9	630-20-6	N/A	orl-rat 670mg/kg
41. 1,1,2,2-Tetrachloroethane	35161	112322	0.05	5.00	40007.5	2000	NA	NA	0.017	NA	NA	1999.9	22.9	79-34-5	5 ppm (35mg/m3/8H)(skin)	orl-rat 800mg/kg
42. 1,1,2-Trichloroethane	35161	112322	0.05	5.00	40006.6	2000	NA	NA	0.017	NA	NA	1999.8	23.0	79-00-5	10 ppm (46mg/m3/8H)(skin)	orl-rat 836mg/kg
43. Trichloroethene	35161	112322	0.05	5.00	40029.0	2000	NA	NA	0.017	NA	NA	2000.9	22.9	79-01-6	50 ppm (270mg/m3/8H)	orl-mus 2402mg/kg
44. 1,2,3-Trichloropropane	35161	112322	0.05	5.00	40007.5	2000	NA	NA	0.017	NA	NA	1999.9	22.9	96-18-4	10 ppm (60mg/m3/8H)	orl-rat 149.6mg/kg
45. Benzene	35162	050823	0.05	5.00	40005.0	2000	NA	NA	0.017	NA	NA	1999.7	22.9	71-43-2	1 ppm	orl-rat 4894mg/kg
46. Bromobenzene	35162	050823	0.05	5.00	40006.9	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-86-1	N/A	orl-rat 2699mg/kg
47. n-Butyl benzene	35162	050823	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	104-51-8	N/A	N/A
48. Ethyl benzene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-41-4	100 ppm (435mg/m3/8H)	orl-rat >2000mg/kg
49. p-Isopropyl toluene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	99-87-6	N/A	orl-rat 4750mg/kg
50. Naphthalene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	91-20-3	10 ppm (50mg/m3/8H)	orl-rat 490mg/kg
51. Styrene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-42-5	100 ppm	orl-rat 5000mg/kg
52. Toluene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-88-3	200 ppm	orl-rat 5000mg/kg
53. 1,2,3-Trichlorobenzene	35162	050823	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.7	22.9	87-61-6	N/A	ipr-mus 1390mg/kg
54. 1,2,4-Trichlorobenzene	35162	050823	0.05	5.00	40006.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	120-82-1	5 ppm (CL) (40mg/m3)	orl-rat 756mg/kg
55. 1,2,4-Trimethylbenzene	35162	050823	0.05	5.00	40001.6	2000	NA	NA	0.017	NA	NA	1999.6	23.0	95-63-6	N/A	orl-rat 5g/kg
56. 1,3,5-Trimethylbenzene	35162	050823	0.05	5.00	40006.7	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-67-8	N/A	orl-rat 5000mg/kg
57. m-Xylene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-38-3	100 ppm (435mg/m3/8H)	orl-rat 5g/kg
58. tert-Butyl benzene	35163	101923	0.05	5.00	40001.2	2000	NA	NA	0.017	NA	NA	1999.6	22.9	98-06-6	N/A	N/A
59. sec-Butyl benzene	35163	101923	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.6	22.9	135-98-8	N/A	orl-rat 2240mg/kg
60. Chlorobenzene	35163	101923	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	108-90-7	75 ppm (350mg/m3/8H)	orl-rat 2290mg/kg
61. 2-Chlorotoluene	35163	101923	0.05	5.00	40000.3	2000	NA	NA	0.017	NA	NA	1999.5	22.9	95-49-8	50 ppm (250mg/m3/8H)	orl-rat 3900mg/kg
62. 4-Chlorotoluene	35163	101923	0.05	5.00	40003.3	2000	NA	NA	0.017	NA	NA	1999.7	22.9	106-43-4	N/A	orl-rat 2100mg/kg
63. 1,2-Dichlorobenzene	35163	101923	0.05	5.00	40003.6	2000	NA	NA	0.017	NA	NA	1999.7	22.9	95-50-1	50 ppm (300mg/m3) (CL)	orl-rat 500mg/kg
64. 1,3-Dichlorobenzene	35163	101923	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6	23.0	541-73-1	N/A	ipr-mus 1062mg/kg
65. 1,4-Dichlorobenzene	35163	101923	0.05	5.00	40001.8	2000	NA	NA	0.017	NA	NA	1999.6	22.9	106-46-7	75 ppm (450mg/m3/8H)	orl-rat 500mg/kg
66. Isopropylbenzene	35163	101923	0.05	5.00	40000.8	2000	NA	NA	0.017	NA	NA	1999.5	22.9	98-82-8	50 ppm (245mg/m3/8H)	orl-rat 1400mg/kg
67. n-Propylbenzene	35163	101923	0.05	5.00	40003.4	2000	NA	NA	0.017	NA	NA	1999.7	23.0	103-65-1	N/A	orl-rat 6040mg/kg
68. o-Xylene	35163	101923	0.05	5.00	40040.8	2000	NA	NA	0.017	NA	NA	2001.5	23.0	95-47-6	100 ppm (435mg/m3/8H)	ipr-mus 1364mg/kg
69. p-Xylene	35163	101923	0.05	5.00	40000.6	2000	NA	NA	0.017	NA	NA	1999.5	22.9	106-42-3	100 ppm (435mg/m3/8H)	orl-rat 5g/kg

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening sample, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty References: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Run 16, "P95317 L021624 [2000µg/mL in MeOH]"

Run Length: 60.00 min, 35998 points at 10 points/second.
Created: Sat, Feb 17, 2024 at 8:56:46 AM.
Sampled: Sequence "021624-GC5M1", Method "GC5-M1".
Analyzed using Method "GC5-M1".

Comments
GC5-M1 Analysis by Candice Warren
Column ID SPB-Vocol 105 meter X 0.53mm X 3.0µm film thickness
Flow rates: Total flow=290mL/min., Helium (carrier)=10mL/min.,
Helium(make-up)=10mL/min., Hydogen(make-up)=40mL/min., Air(make-up)=230mL/min.
Oven Profile: Temp. 1=35°C (Time 1=10 min.), Temp 2=200°C (Time 2=8.75 min.),
Rate = 4°C/min., Total run time=60 min. Injector temp.=200°C, FID Temp.=200°C.
FID Signal = Edaq Channel 1
Standard injection = 0.5µL, Range=3



Peak #	Name	FID RT (min.)
1	Ether	9.97
2	1,1,2-Trichloro-1,2,2-trifluoroethane	10.33
3	1,1-Dichloroethene	11.10
4	Acetonitrile	12.00
5	Iodomethane	12.31
6	Allyl chloride	12.56
7	Carbon disulfide/Methylene chloride	13.04
8	trans-1,2-Dichloroethene	14.07
9	1,1-Dichloroethane	15.74
10	2,2-Dichloropropane	17.74
11	cis-1,2-Dichloroethene	18.00
12	Methacrylonitrile/Methyl acrylate/Chloroform	18.46
13	Isobutanol/1,1,1-Trichloroethane	19.91
14	1,1-Dichloropropene	20.46
15	Carbon tetrachloride	20.79
16	Benzene/1,2-Dichloroethane	21.49
17	Trichloroethene	23.58
18	1,2-Dichloropropane	24.28
19	Methyl methacrylate	24.52
20	Bromodichloromethane	25.13
21	Dibromomethane/2-Nitropropane	25.46
22	cis-1,3-Dichloropropene	27.02
23	Toluene	28.05
24	Ethyl methacrylate/trans-1,3-Dichloropropene	28.73
25	1,1,2-Trichloroethane	29.34
26	Tetrachloroethene/1,3-Dichloropropane	30.24
27	Dibromochloromethane	31.16
28	1,2-Dibromoethene	31.84
29	Chlorobenzene	33.26
30	Ethylbenzene/1,1,1,2-Tetrachloroethane	33.40
31	m-Xylene/p-Xylene	33.86
32	o-Xylene	35.22
33	Styrene	35.38
34	Isopropylbenzene/Bromoform	36.18
35	cis-1,4-Dichloro-2-Butene	36.80
36	1,1,2,2-Tetrachloroethane	37.23
37	1,2,3-Trichloropropane	37.77
38	n-Propylbenzene	37.93
39	trans-1,4-Dichloro-2-Butene	38.05
40	Bromobenzene	38.14
41	1,3,5-Trimethylbenzene	38.80
42	2-Chlorotoluene	38.82
43	4-Chlorotoluene	38.77
44	tert-Butylbenzene	39.76
45	1,2,4-Trimethylbenzene	39.91
46	Pentachloroethane	40.17
47	sec-Butylbenzene	40.52
48	p-Isopropyltoluene	41.02
49	1,3-Dichlorobenzene	41.42
50	1,4-Dichlorobenzene	41.83
51	n-Butylbenzene	42.53
52	1,2-Dichlorobenzene	43.18
53	1,2-Dibromo-3-chloropropane	46.12
54	Nitrobenzene	46.48
55	1,2,4-Trichlorobenzene	49.26
56	Hexachlorobutadiene	49.72
57	Naphthalene	50.26
58	1,2,3-Trichlorobenzene	51.16

Absolute Standards Inc.
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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	**1-352-323-3500**
		Date Prepared/Revised	January 1, 2023

Section II - Hazards Identification

GHS Classification In accordance with 29 CFR 1910 (OSHA HCS)

H225	**Highly Flammable Liquid and Vapor**	**H301, 311, 331**	**Toxic if swallowed, skin contact, inhaled**
H370	**Cause damage to organs**	**H351**	**Suspected of causing cancer**
P271	**Use in ventilated area**	**P280**	**Use gloves, eye protection/face sheild**
P302,332	**If on skin, wash with soap and water**	**P305,351,338**	**If in eyes, remove contacts, rinse with water**



Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))			% (optional)
Methanol	METHYL ALCOHOL	CAS#: 67-56-1	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H2O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6

Solubility in Water COMPLETE

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability Stable under recommended storage conditions.
Possibility of hazardous reactions Vapours may form explosive mixture with air.
Conditions to avoid Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions. - Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50	15,400 mg/l - 96 h
EC50	24,500.00 mg/l - 48 h
EC100	10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

Absolute Standards, Inc.
800-368-1131
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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

5 vial

Part Number: 91980
Lot Number: 031725
Description: Acrolein

Solvent(s): Water **Lot#** 072324Q

V14895 to V14899

Expiration Date: 041725
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

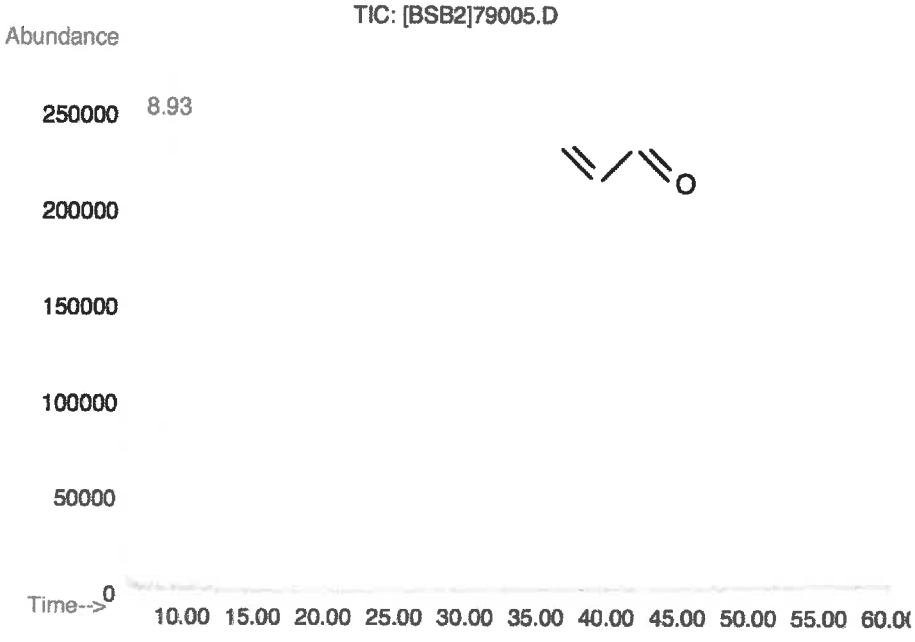
5E-05 Balance Uncertainty
0.001 Flask Uncertainty

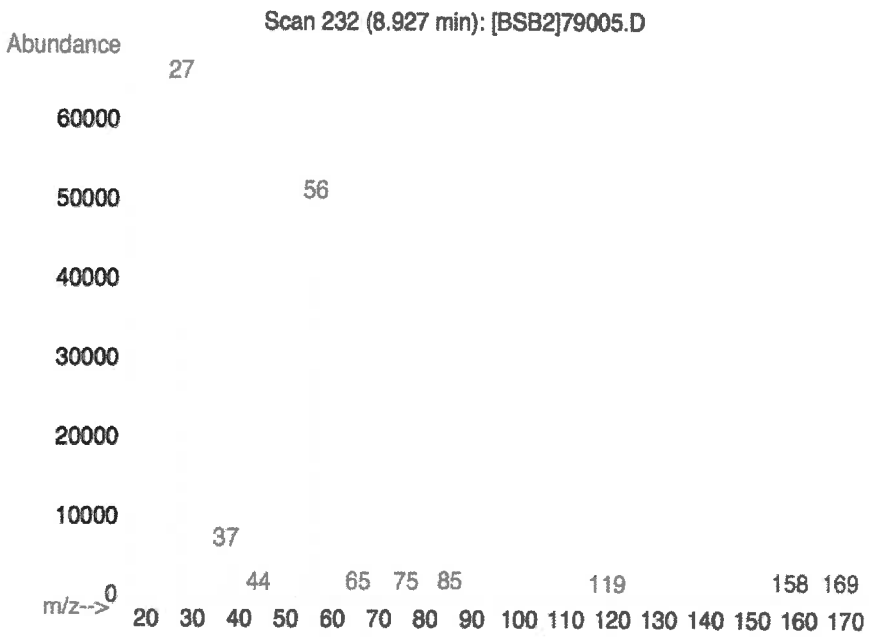
Weight(s) shown below were combined and diluted to (mL): 10.0

Formulated By: Lawrence Barry	031725 DATE
Reviewed By: Pedro L. Rentas	031725 DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Acrolein	5	103755V10F	5000	97	0.5	0.05166	0.05170	5004.1	52.5	107-02-8	0.1 ppm	orl-rat 46mg/kg

Method: GC6MSD-1. **Detector:** Mass Selective Detector (Scan mode). **Column:** Vocol (60m X 0.25mm ID X 1.5µm film thickness). **Oven Profile:** Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.) Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. **Analyst:** Pedro Rentas. **NOTE:** Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately Long term storage is not recommended. Please contact our technical department if further information is required.





- **The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.**
- **Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).**
- **Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.**
- **All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.**
- **Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).**

Absolute Standards Inc.

PO Box 5585
Hamden, CT 06518-0585

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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.

Absolute Standards, Inc.
800-368-1131
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Certified Reference Material CRM

Rec 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

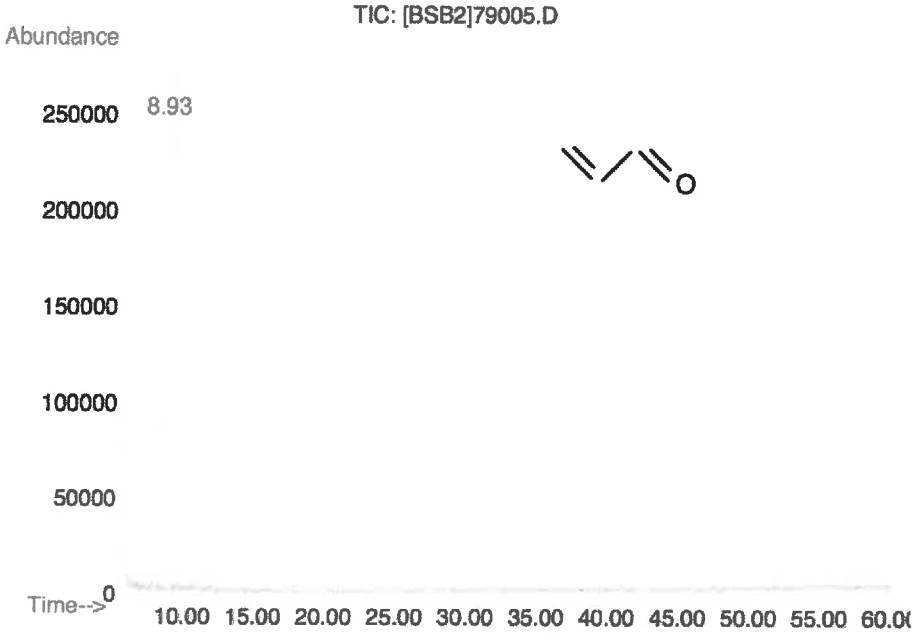
V14895 to V14899

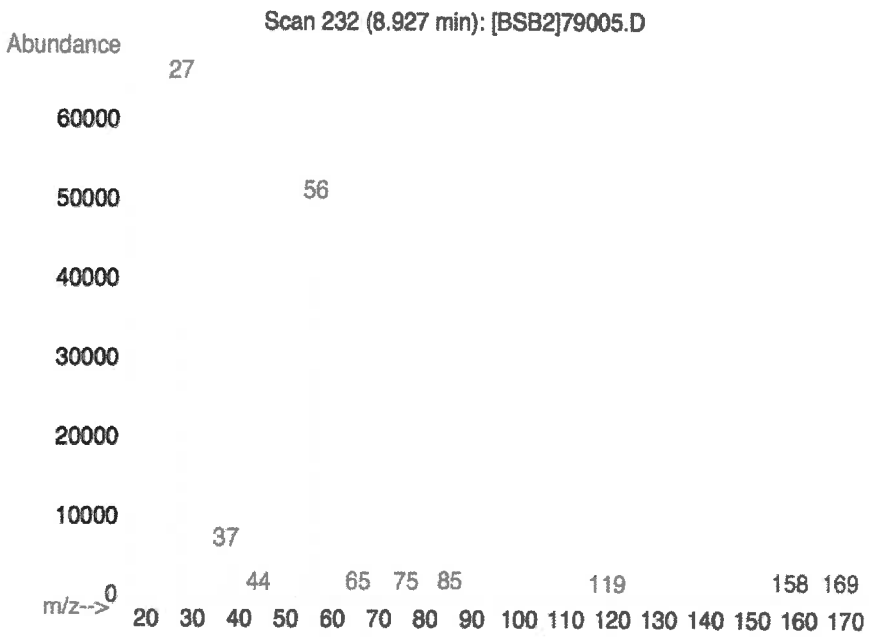
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 10.0 0.001 Flask Uncertainty

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.

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Phone: 203-281-2917
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Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN WATER**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr.	Emergency Telephone International	**1-352-323-3500**
	Hamden CT, 06514	Date Prepared/Revised	January 1, 2025

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

P271	**Use in ventilated area**	**H315**	**Causes skin and eye irritation.**
P302,332	**If on skin, wash with soap and water**	**P280**	**Use gloves, eye protection/face sheild**
		P305,351,338	**If in eyes, remove contacts, rinse with water**



Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))		% (optional)
Water	CAS#: 7732-18-5	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.
Hazardous Decomposition products	Carbon oxides

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Water CAS#: 7732-18-5 TWA: 500 ppm

Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point	100°C	Specific Gravity (H2O = 1)	1
Vapor Pressure (mm Hg)		Melting Point	

	NA		0°C
Vapor Density (AIR = 1)	NA	Evaporation rate (Butyl Acetate = 1)	NA

Solubility in Water — Completely miscible

Appearance and Odor — CLEAR, COLORLESS LIQUID WITH SLIGHT CHEMICAL ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability	Stable under recommended storage conditions.
Possibility of hazardous reactions	NA
Conditions to avoid	NA
Materials to avoid	NA

Hazardous decomposition products - No data available

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - Rat	NA
LC50 Inhalation - Rat	NA
LD50 Dermal - Guinea pig	NA

Causes skin irritation.
Eye irritation

Section XII. ECOLOGICAL INFORMATION

LC50	NA
EC50	NA

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
Not dangerous goods
Proper shipping name: Water

IATA
Not dangerous goods
Proper shipping name: Water

Section XV. REGULATORY INFORMATION

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

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Certified Reference Material CRM

Rec 03/18/24

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CERTIFIED WEIGHT REPORT

5 vial

Part Number: 91980
Lot Number: 031725
Description: Acrolein

Solvent(s): Water **Lot#** 072324Q

V14895 to V14899

Expiration Date: 041725
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

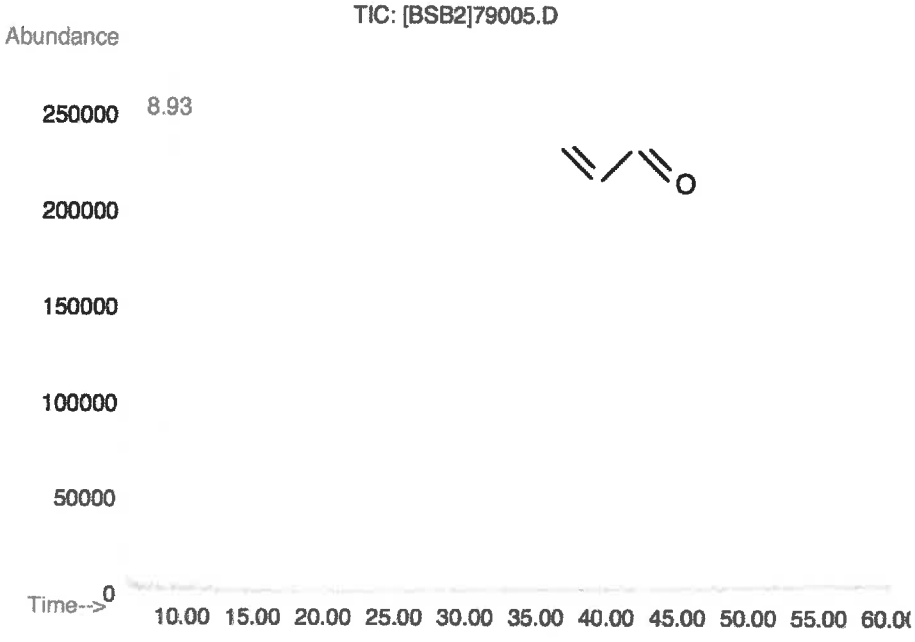
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0.001 Flask Uncertainty

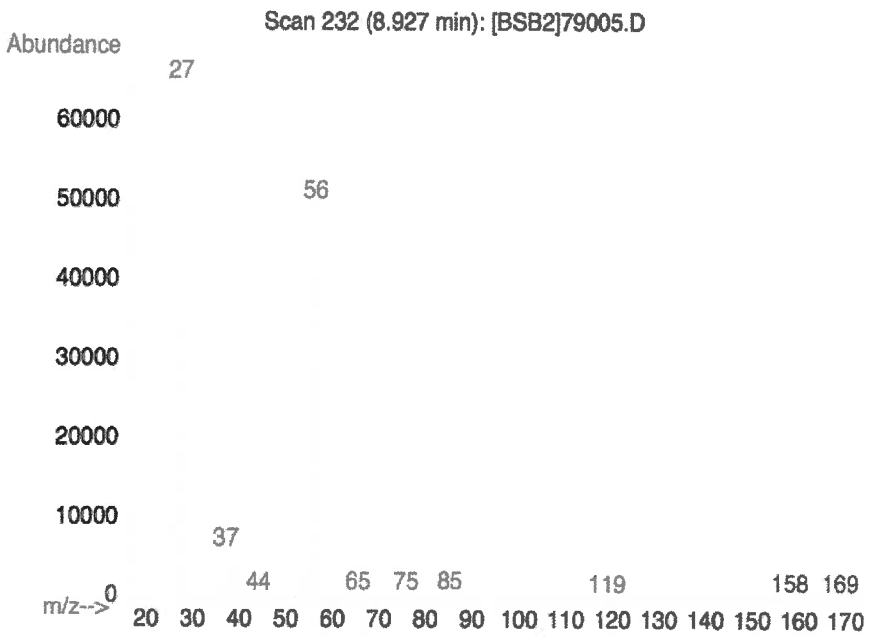
Weight(s) shown below were combined and diluted to (mL): 10.0

Formulated By:	Lawrence Barry	031725 DATE
Reviewed By:	Pedro L. Rentas	031725 DATE

	Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1.	Acrolein	5	103755V10F	5000	97	0.5	0.05166	0.05170	5004.1	52.5	107-02-8	0.1 ppm	orl-rat 46mg/kg

Method: GC6MSD-1. **Detector:** Mass Selective Detector (Scan mode). **Column:** Vocol (60m X 0.25mm ID X 1.5µm film thickness). **Oven Profile:** Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.) Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. **Analyst:** Pedro Rentas. **NOTE:** Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately Long term storage is not recommended. Please contact our technical department if further information is required.





- **The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.**
- **Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).**
- **Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.**
- **All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.**
- **Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).**

Absolute Standards Inc.

PO Box 5585
Hamden, CT 06518-0585

Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN WATER**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr.	Emergency Telephone International	**1-352-323-3500**
	Hamden CT, 06514	Date Prepared/Revised	January 1, 2025

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

P271	**Use in ventilated area**	**H315**	**Causes skin and eye irritation.**
P302,332	**If on skin, wash with soap and water**	**P280**	**Use gloves, eye protection/face sheild**
		P305,351,338	**If in eyes, remove contacts, rinse with water**



Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))		% (optional)
Water	CAS#: 7732-18-5	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.
Hazardous Decomposition products	Carbon oxides

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Water CAS#: 7732-18-5 TWA: 500 ppm

Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point	100°C	Specific Gravity (H2O = 1)	1
Vapor Pressure (mm Hg)		Melting Point	

	NA		0°C
Vapor Density (AIR = 1)	NA	Evaporation rate (Butyl Acetate = 1)	NA

Solubility in Water — Completely miscible

Appearance and Odor — CLEAR, COLORLESS LIQUID WITH SLIGHT CHEMICAL ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability	Stable under recommended storage conditions.
Possibility of hazardous reactions	NA
Conditions to avoid	NA
Materials to avoid	NA

Hazardous decomposition products - No data available

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - Rat	NA
LC50 Inhalation - Rat	NA
LD50 Dermal - Guinea pig	NA

Causes skin irritation.
Eye irritation

Section XII. ECOLOGICAL INFORMATION

LC50	NA
EC50	NA

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
Not dangerous goods
Proper shipping name: Water

IATA
Not dangerous goods
Proper shipping name: Water

Section XV. REGULATORY INFORMATION

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Material Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

Rec 03/18/24
5 vials

ANAB ISO 17034 Accredite
AR-1539 Certificate Numbe
https://Absolutestandards.co

CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 031725
Description: Acrolein

Solvent(s): Water **Lot#** 072324Q

V14895 to V14899

Expiration Date: 041725
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

5E-05 Balance Uncertainty
0.001 Flask Uncertainty

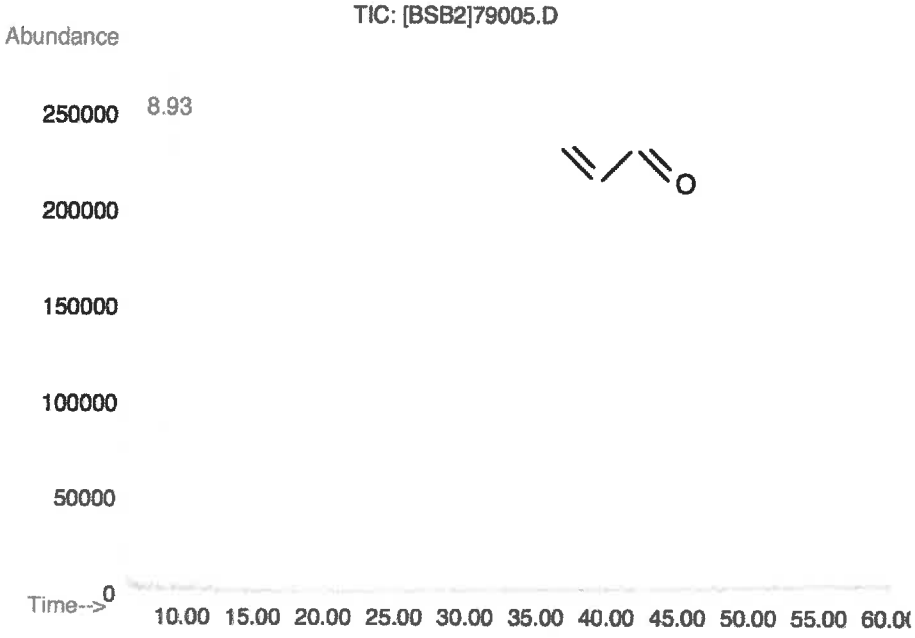
Weight(s) shown below were combined and diluted to (mL): 10.0

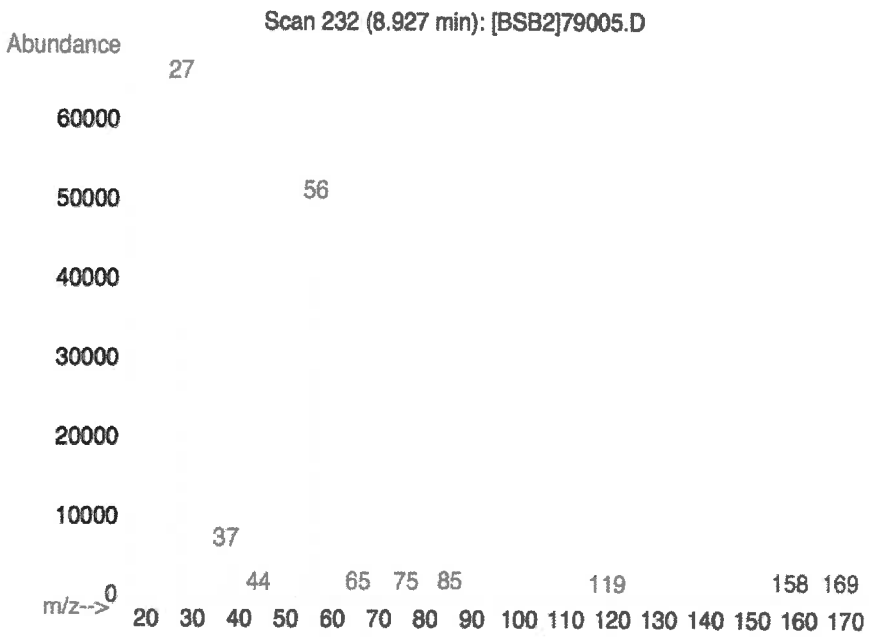
Formulated By: Lawrence Barry 031725 DATE

Reviewed By: Pedro L. Rentas 031725 DATE

	Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1.	Acrolein	5	103755V10F	5000	97	0.5	0.05166	0.05170	5004.1	52.5	107-02-8	0.1 ppm	orl-rat 46mg/kg

Method: GC6MSD-1. **Detector:** Mass Selective Detector (Scan mode). **Column:** Vocol (60m X 0.25mm ID X 1.5µm film thickness). **Oven Profile:** Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.) Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. **Analyst:** Pedro Rentas. **NOTE:** Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately Long term storage is not recommended. Please contact our technical department if further information is required.





- **The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.**
- **Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).**
- **Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.**
- **All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.**
- **Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).**

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.

Absolute Standards, Inc.
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Certified Reference Material CRM

Rec 09/16/24 2 Vials

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AR-1539 Certificate Numb
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CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 091424
Description: Acrolein

Solvent(s): Water **Lot#** 072324Q

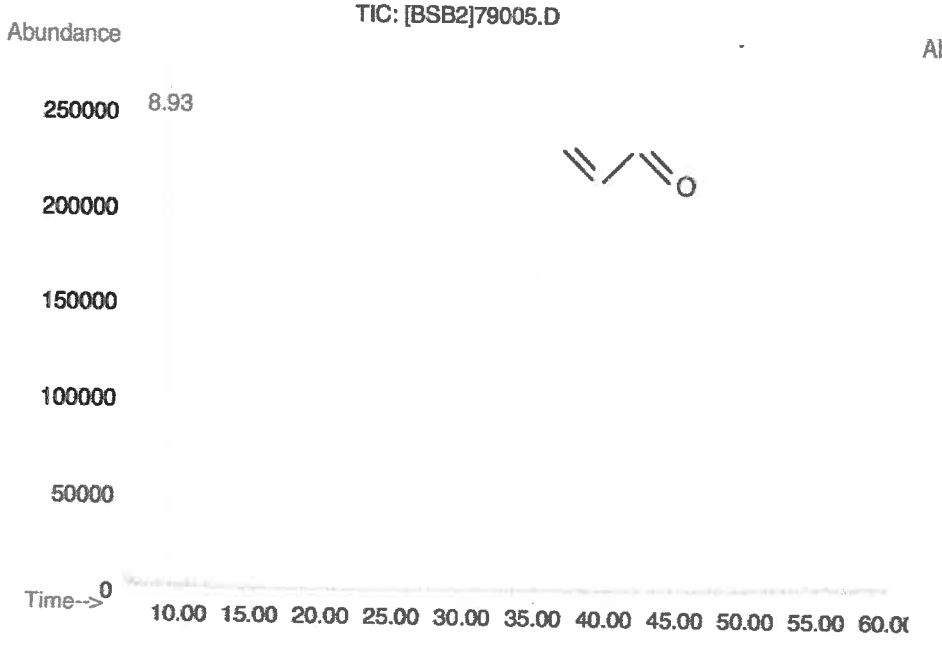
Expiration Date: 101424
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

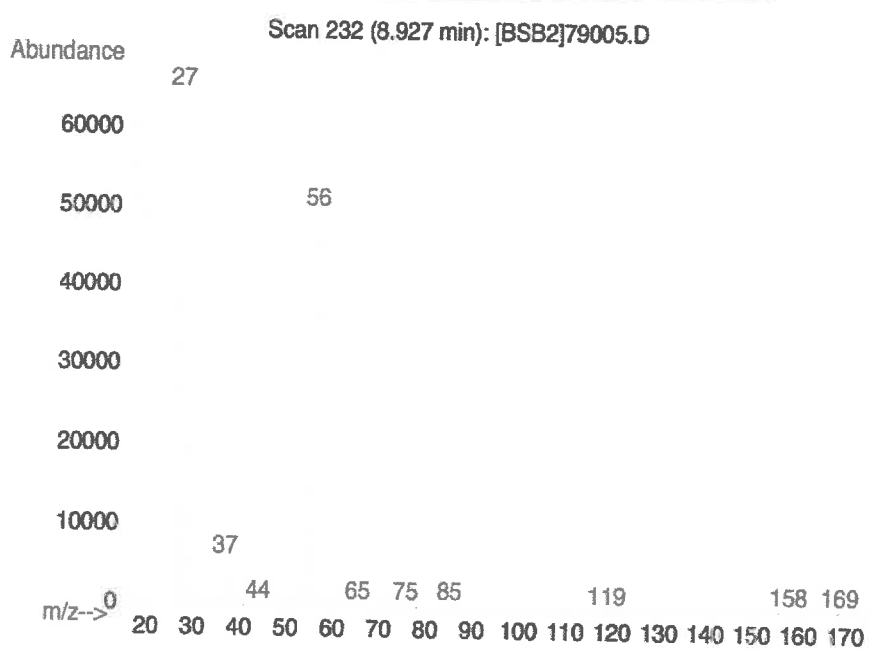
Weight(s) shown below were combined and diluted to (mL): 10.0 | 5E-05 Balance Uncertainty | 0.001 Flask Uncertainty

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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- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

Rec 09/16/24 2 Vials

ANAB ISO 17034 Accredited
AR-1539 Certificate Numb
https://Absolutestandards.co...

CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 091424
Description: Acrolein

Solvent(s): Water **Lot#** 072324Q

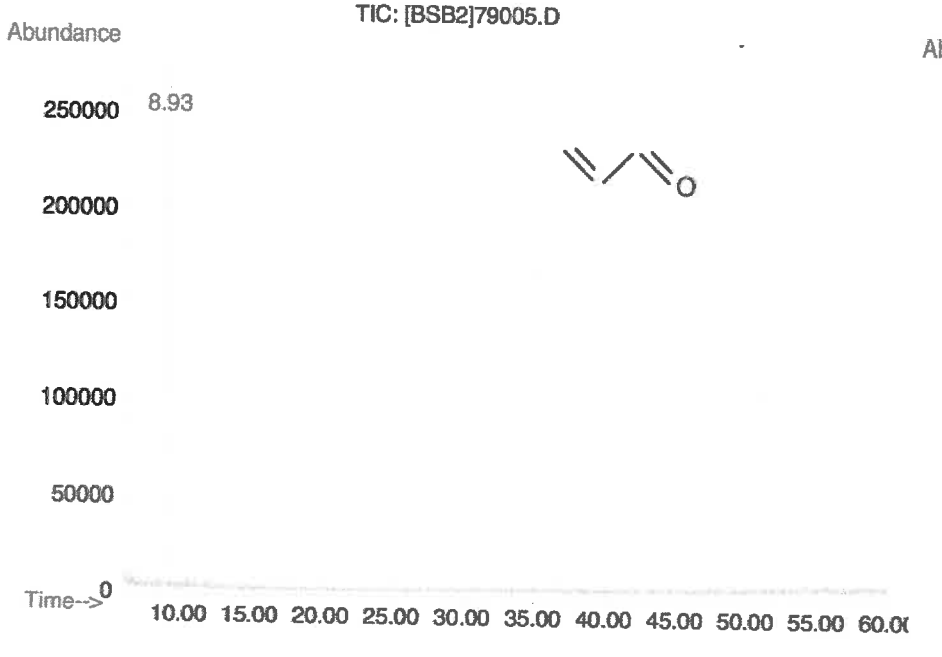
Expiration Date: 101424
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

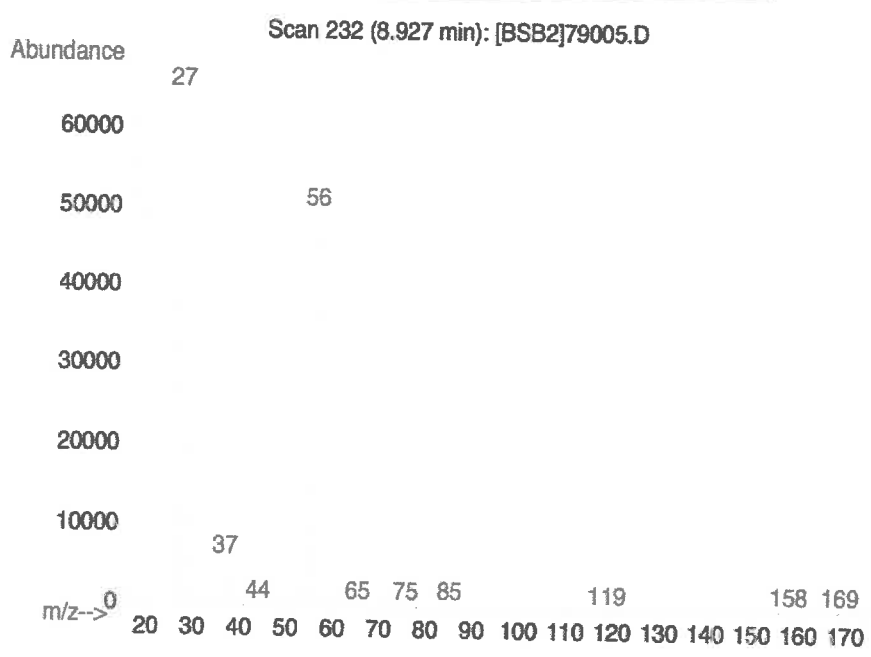
Weight(s) shown below were combined and diluted to (mL): 10.0 | 5E-05 Balance Uncertainty | 0.001 Flask Uncertainty

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.





- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Absolute Standards, Inc.
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Certified Reference Material CRM

Exp 12/6/24
20 vial
V14630 to
V14649

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 95318
Lot Number: 120524
Description: 2-Chloroethyl vinyl ether

Expiration Date: 120527
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 10000
NIST Test ID#: 6UTB

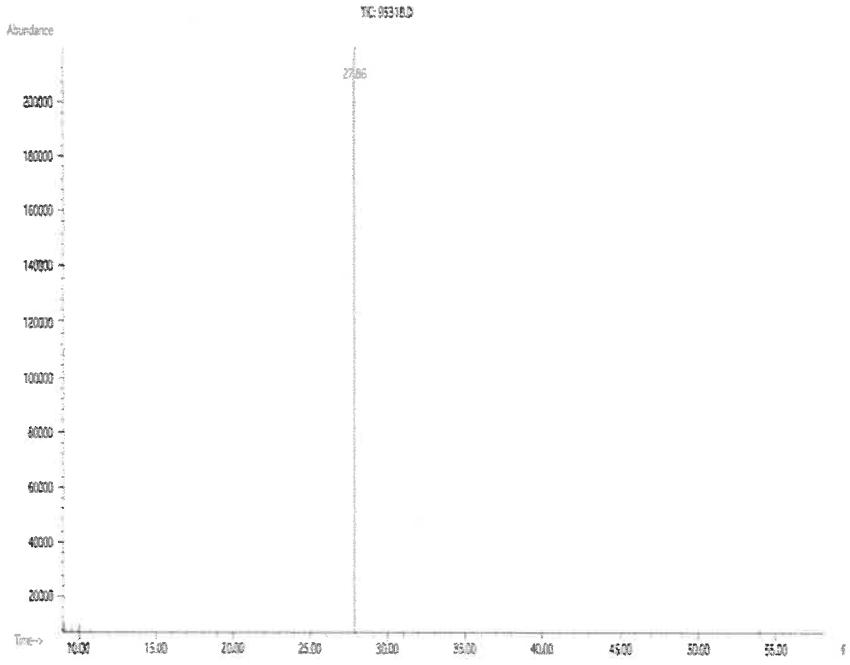
Solvent(s): Methanol **Lot#** EJ143-US

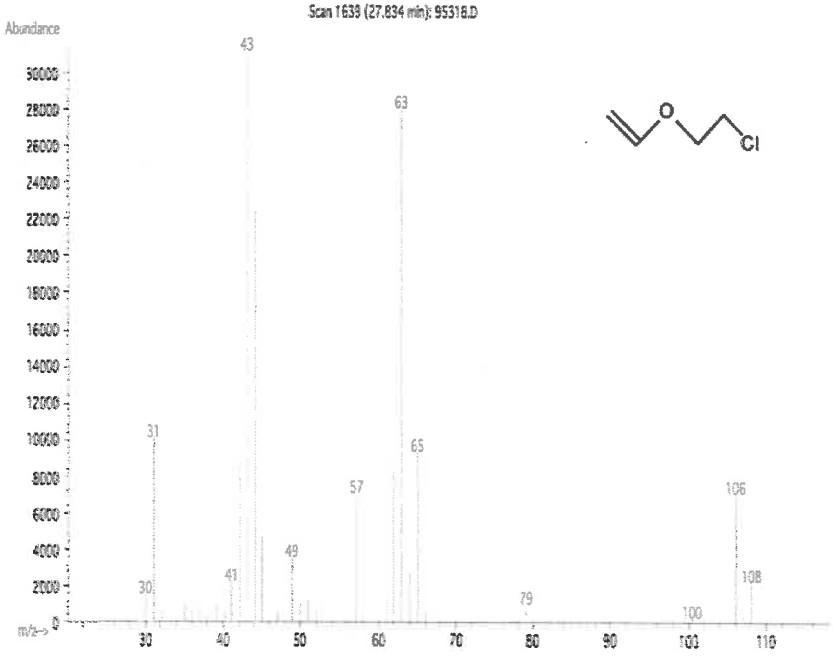
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 50.0 0.001 Flask Uncertainty

Prashant Chauhan		120524
Formulated By:	Prashant Chauhan	DATE
Pedro Rentas		120524
Reviewed By:	Pedro L. Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc(µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. 2-Chloroethyl vinyl ether	74	MKCD0033	10000	99	0.2	0.50536	0.50550	10002.9	40.5	110-75-8	N/A	ori-rat 250mg/kg

Method: GC6MSD-1.M. **Detector:** MSD. **Column:** (60m X 0.25mm X 1.5 µm). **Oven Profile:** Temp 1 = 35°C (Time 1=10min.), Temp 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min., Injector B Temp.= 200°C, Detector B Temp. = 220°C. **Analyst:** Candice Warren.





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- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Absolute Standards Inc.
PO Box 5585
Hamden, CT 06518-0585
Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International Date Prepared/Revised	**1-352-323-3500** January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225	**Highly Flammable Liquid and Vapor**	**H301, 311, 331**	**Toxic if swallowed, skin contact, inhaled**
H370	**Cause damage to organs**	**H351**	**Suspected of causing cancer**
P271	**Use in ventilated area**	**P280**	**Use gloves, eye protection/face sheild**
P302,332	**If on skin, wash with soap and water**	**P305,351,338**	**If in eyes, remove contacts, rinse with water**



Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))			% (optional)
Methanol	METHYL ALCOHOL	CAS#: 67-56-1	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H2O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6

Solubility in Water COMPLETE

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability — Stable under recommended storage conditions.
Possibility of hazardous reactions — Vapours may form explosive mixture with air.
Conditions to avoid — Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid — Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions. - Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50	15,400 mg/l - 96 h
EC50	24,500.00 mg/l - 48 h
EC100	10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

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Certified Reference Material CRM

Rec 12/6/24
20 vial

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

Solvent(s): Methanol **Lot#** EJ143-US

V14630 to V14649

Expiration Date: 120527
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 10000
NIST Test ID#: 6UTB

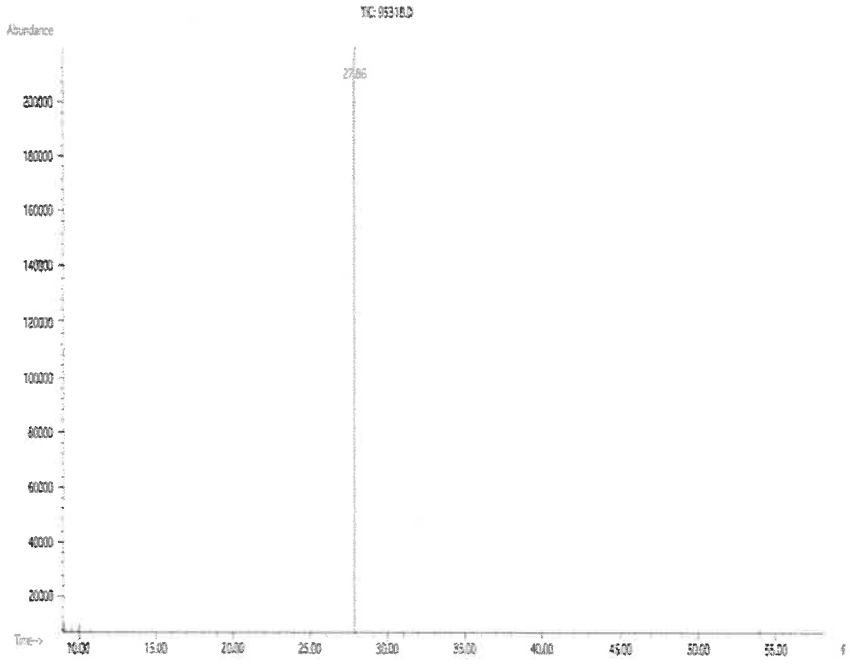
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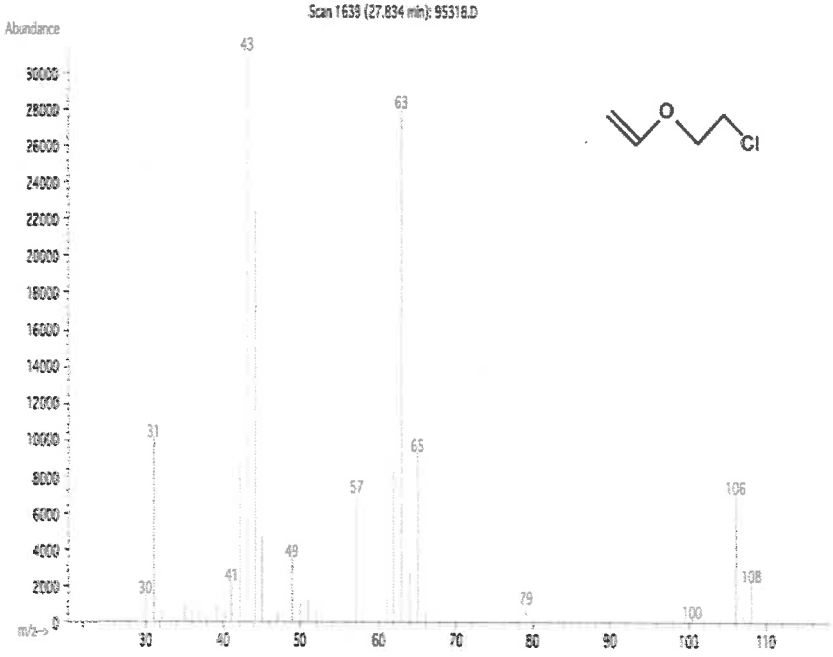
Weight(s) shown below were combined and diluted to (mL): 50.0

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.





- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Absolute Standards Inc.
PO Box 5585
Hamden, CT 06518-0585
Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International Date Prepared/Revised	**1-352-323-3500** January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225	**Highly Flammable Liquid and Vapor**	**H301, 311, 331**	**Toxic if swallowed, skin contact, inhaled**
H370	**Cause damage to organs**	**H351**	**Suspected of causing cancer**
P271	**Use in ventilated area**	**P280**	**Use gloves, eye protection/face sheild**
P302,332	**If on skin, wash with soap and water**	**P305,351,338**	**If in eyes, remove contacts, rinse with water**



Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))			% (optional)
Methanol	METHYL ALCOHOL	CAS#: 67-56-1	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H2O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6

Solubility in Water COMPLETE

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability Stable under recommended storage conditions.
Possibility of hazardous reactions Vapours may form explosive mixture with air.
Conditions to avoid Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions. - Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
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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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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

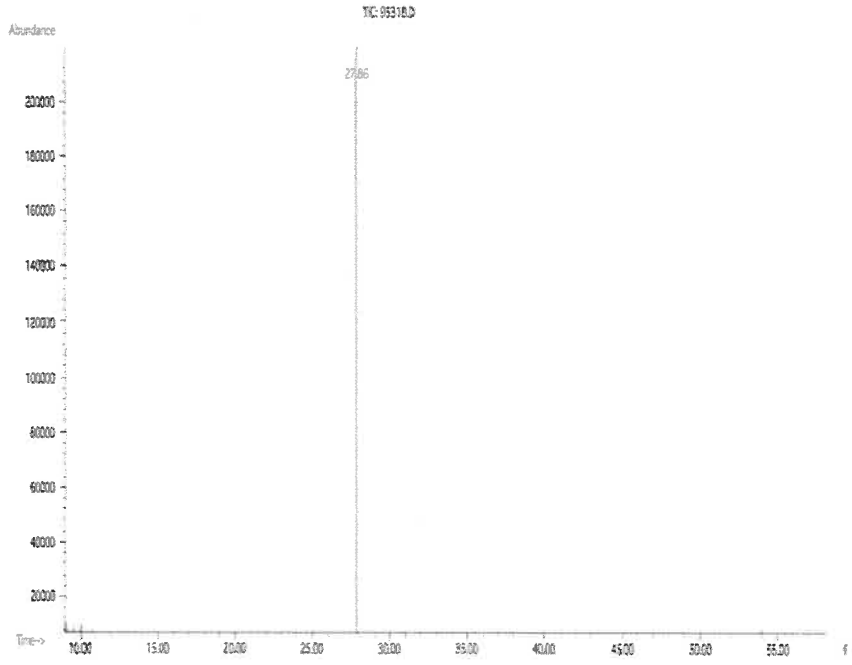
V14630 to V14649

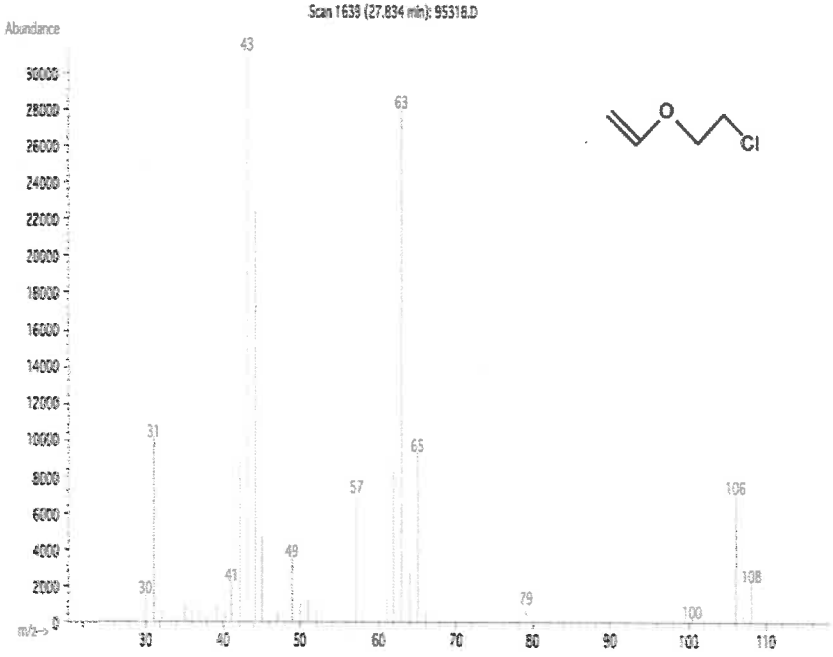
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 50.0 0.001 Flask Uncertainty

Formulated By:	Prashant Chauhan	120524 DATE
Reviewed By:	Pedro L. Rentas	120524 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

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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**
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)
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See Certified Weight Report For Other Analytes Present At Trace Quantities.

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If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
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DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

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CERTIFIED WEIGHT REPORT

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Lot Number: 120524
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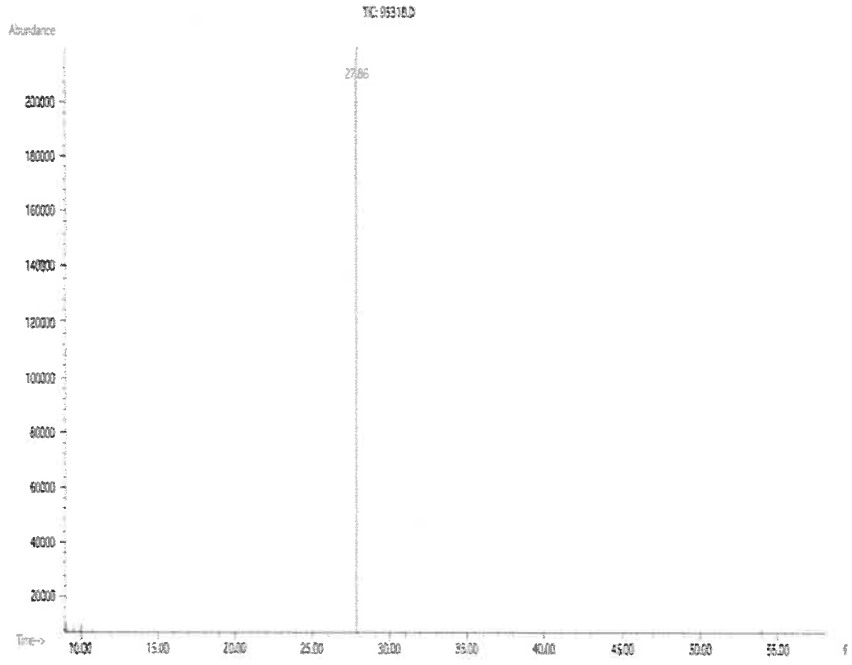
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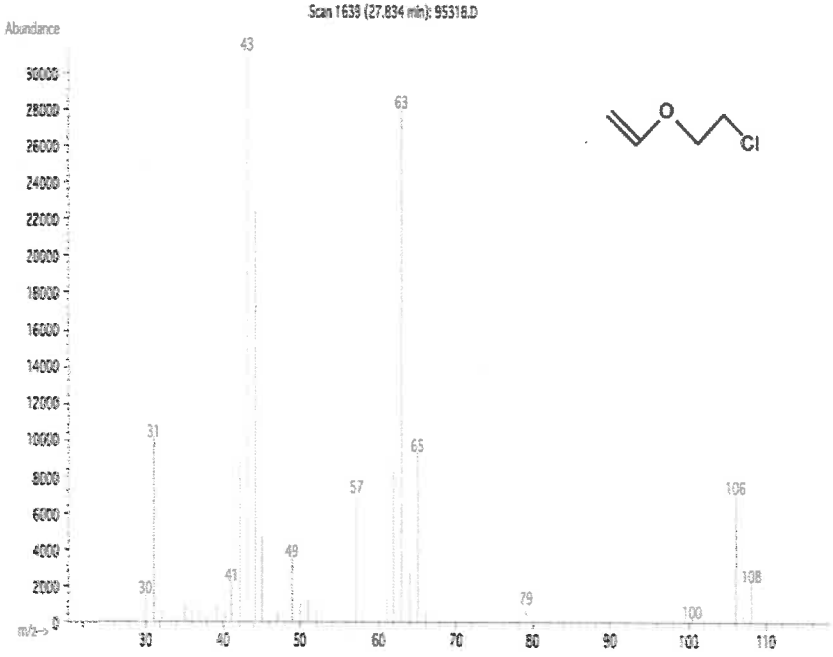
Prashant Chauhan 120524
Formulated By: Prashant Chauhan DATE

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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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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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.)

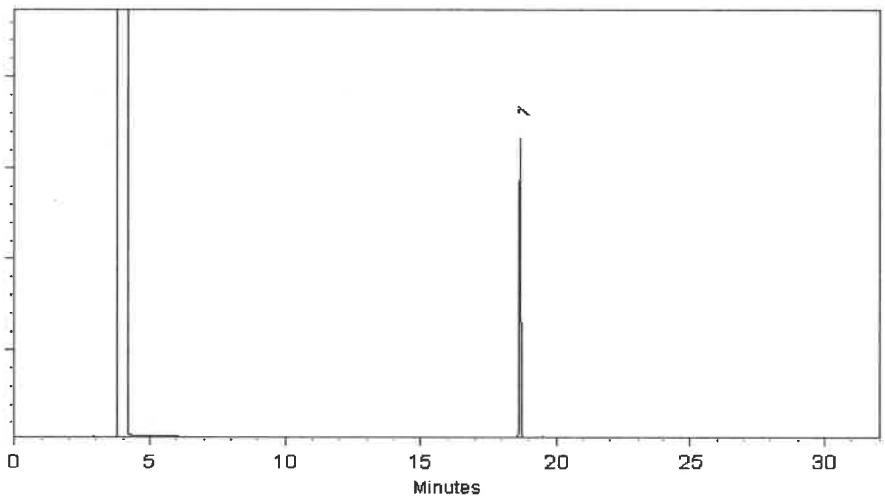
Inj. Temp:
200°C

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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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.)

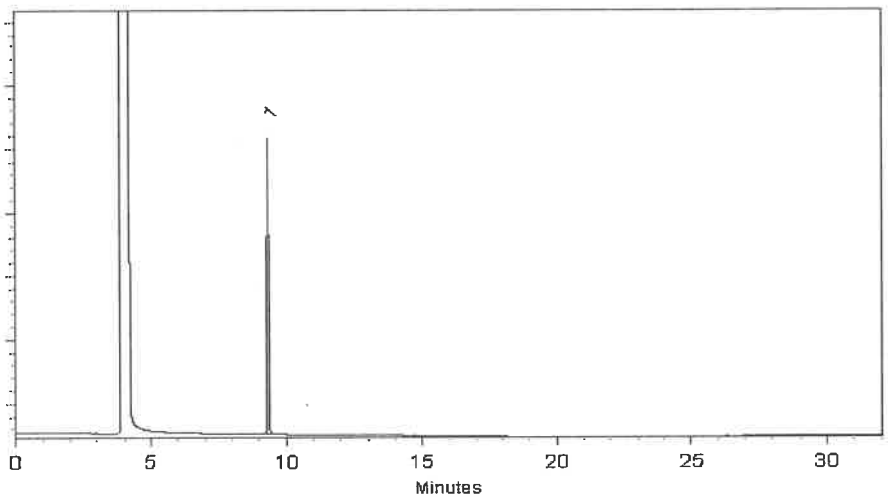
Inj. Temp:
200°C

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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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.)

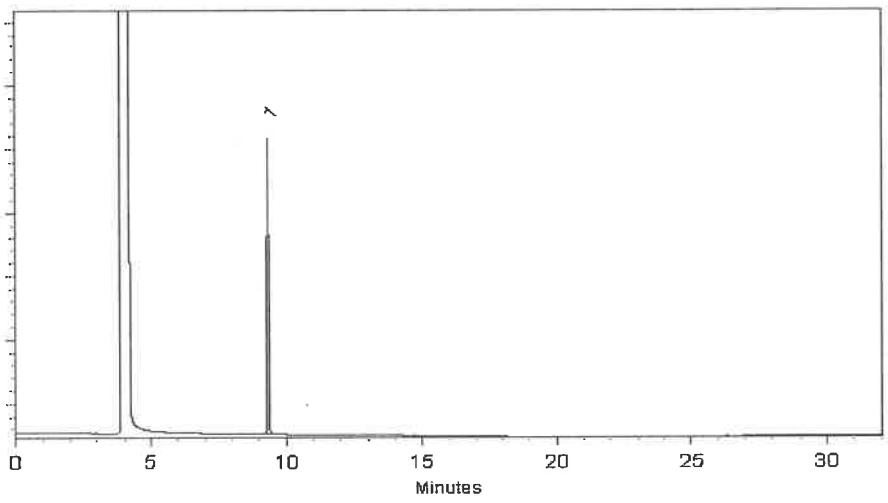
Inj. Temp:
200°C

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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  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

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Handling Notes:

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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.)

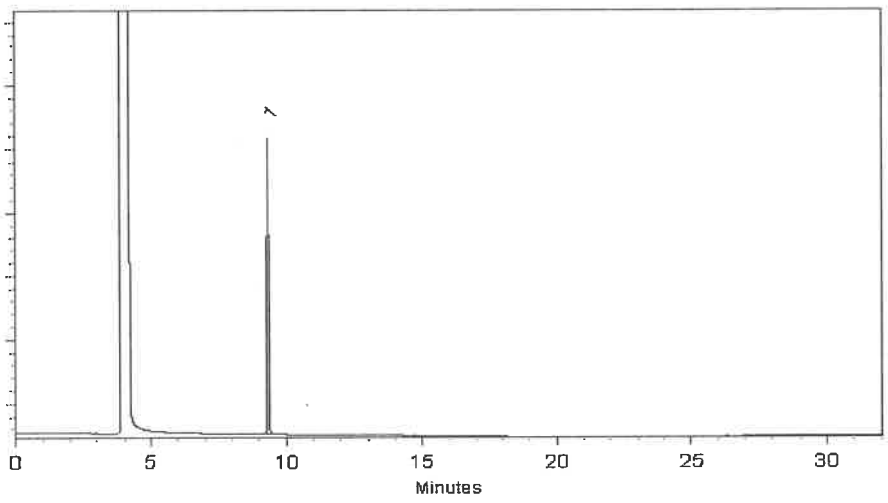
Inj. Temp:
200°C

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 values are rounded to the nearest whole number.

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  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
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Manufacturing Notes:

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Handling Notes:

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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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.)

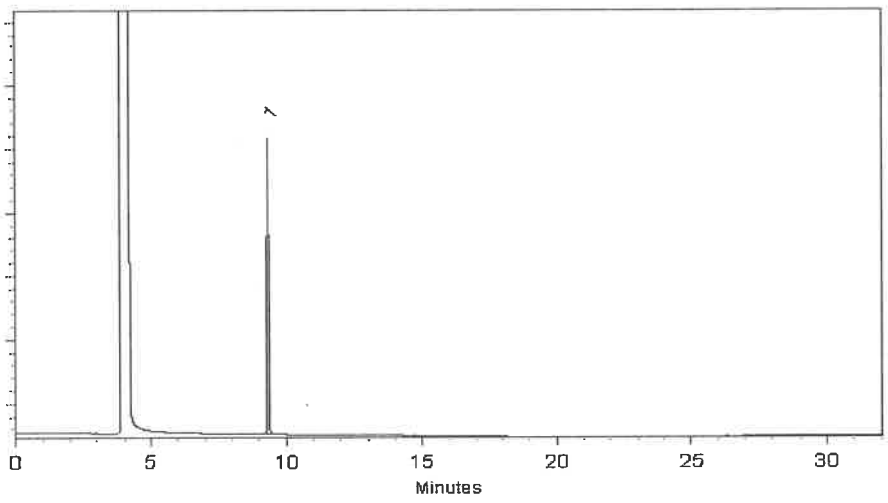
Inj. Temp:
200°C

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:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555582 **Lot No.:** A0196865

Description : Custom 8260A/B Surrogate Mix

Custom 8260A/B Surrogate Mix 25,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2-Dichloroethane-d4	17060-07-0	PR-32845	99%	25,036.0 µg/mL	+/- 1,417.9179
2	1-Bromo-4-fluorobenzene (BFB)	460-00-4	184975	99%	25,132.0 µg/mL	+/- 1,423.3549
3	Dibromofluoromethane	1868-53-7	022013	99%	25,040.0 µg/mL	+/- 1,418.1445
4	Toluene-d8	2037-26-5	PR-33397	99%	25,028.0 µg/mL	+/- 1,417.4648

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Russ Bookhamer - Operations Technician I

Date Mixed: 11-Apr-2023 **Balance:** 1127510105

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

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  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

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ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30489 **Lot No.:** A0209618

Description : 8260B Acetates Mix

8260B Acetates Mix 2,000 µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2025 **Storage:** -20°C or colder

Handling: This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Methyl acetate	79-20-9	SHBP3100	99%	2,019.3 µg/mL	+/- 69.7974
2	Vinyl acetate	108-05-4	RP231030CTH	98%	2,016.8 µg/mL	+/- 69.7112
3	Ethyl acetate	141-78-6	SHBQ9682	99%	2,010.7 µg/mL	+/- 69.4979
4	Isopropyl acetate	108-21-4	BCCG7069	99%	2,016.0 µg/mL	+/- 69.6822
5	Propyl acetate	109-60-4	P8XLN	99%	2,008.0 µg/mL	+/- 69.4057
6	Butyl acetate	123-86-4	SHBP6314	99%	2,007.3 µg/mL	+/- 69.3826
7	Amyl acetate	628-63-7	41325/1	97%	2,004.7 µg/mL	+/- 69.2905

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods . Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this

reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

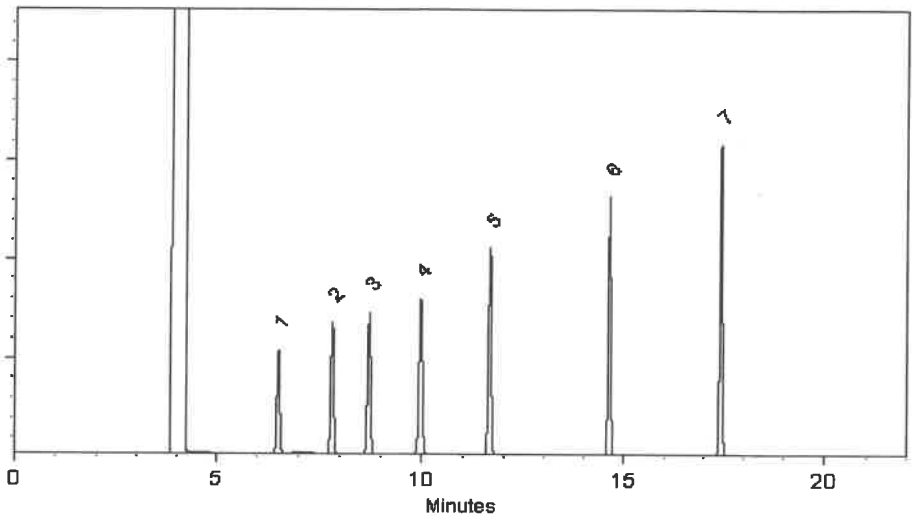
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler - Operations Tech I

Date Mixed: 28-Mar-2024 **Balance Serial #** B707717271

Dillan Murphy - Operations Technician I

Date Passed: 01-Apr-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

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- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

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  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
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Manufacturing Notes:

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Handling Notes:

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ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30489 **Lot No.:** A0209618

Description : 8260B Acetates Mix

8260B Acetates Mix 2,000 µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2025 **Storage:** -20°C or colder

Handling: This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Methyl acetate	79-20-9	SHBP3100	99%	2,019.3 µg/mL	+/- 69.7974
2	Vinyl acetate	108-05-4	RP231030CTH	98%	2,016.8 µg/mL	+/- 69.7112
3	Ethyl acetate	141-78-6	SHBQ9682	99%	2,010.7 µg/mL	+/- 69.4979
4	Isopropyl acetate	108-21-4	BCCG7069	99%	2,016.0 µg/mL	+/- 69.6822
5	Propyl acetate	109-60-4	P8XLN	99%	2,008.0 µg/mL	+/- 69.4057
6	Butyl acetate	123-86-4	SHBP6314	99%	2,007.3 µg/mL	+/- 69.3826
7	Amyl acetate	628-63-7	41325/1	97%	2,004.7 µg/mL	+/- 69.2905

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods . Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this

reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

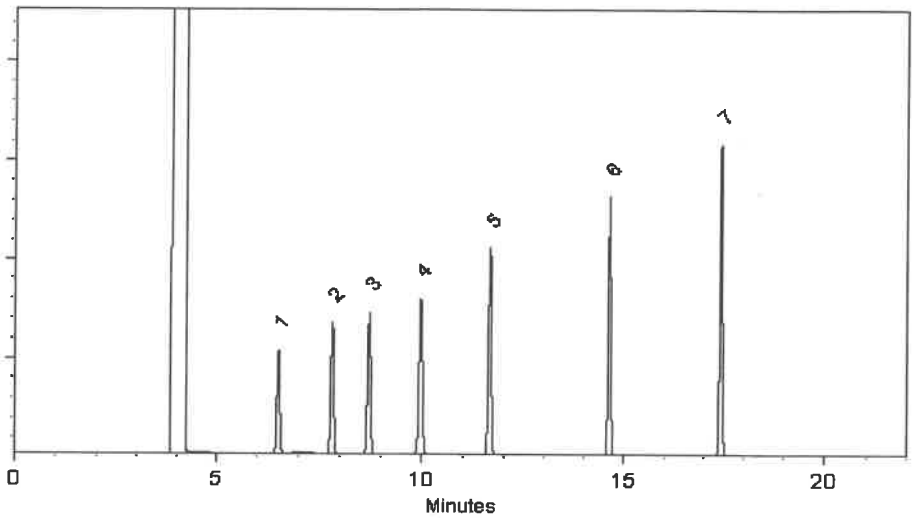
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler - Operations Tech I

Date Mixed: 28-Mar-2024 **Balance Serial #** B707717271

Dillan Murphy - Operations Technician I

Date Passed: 01-Apr-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
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Certified Uncertainty Value Notes:

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  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

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Certificate of Analysis

gravimetric

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555581 **Lot No.:** A0210184

Description : Custom 8260 Internal Standard Mix

Custom 8260 Internal Standard Mix 25,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2027 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dichlorobenzene-d4	3855-82-1	PR-30447	99%	25,212.0 µg/mL	+/- 1,427.8857
2	1,4-Difluorobenzene	540-36-3	MKCS8657	99%	25,220.0 µg/mL	+/- 1,428.3388
3	Chlorobenzene-d5	3114-55-4	PR-31132	99%	25,116.0 µg/mL	+/- 1,422.4487
4	Pentafluorobenzene	363-72-4	MKCR9383	99%	25,180.0 µg/mL	+/- 1,426.0734

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

John Friedline - Operations Technician I

Date Mixed: 11-Apr-2024 **Balance:** 1127510105

REVIEWED

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

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- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

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  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

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Handling Notes:

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Certificate of Analysis

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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. : 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.)

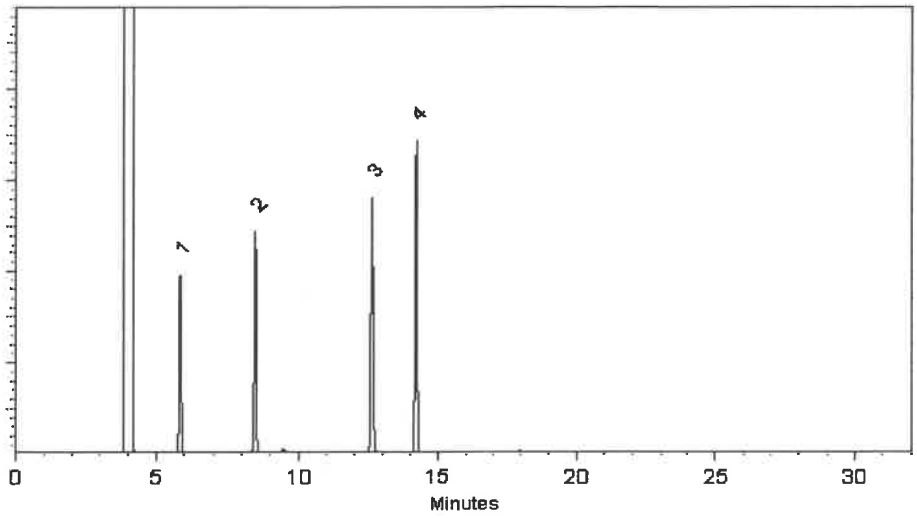
Inj. Temp:
200°C

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:

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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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Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 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.)

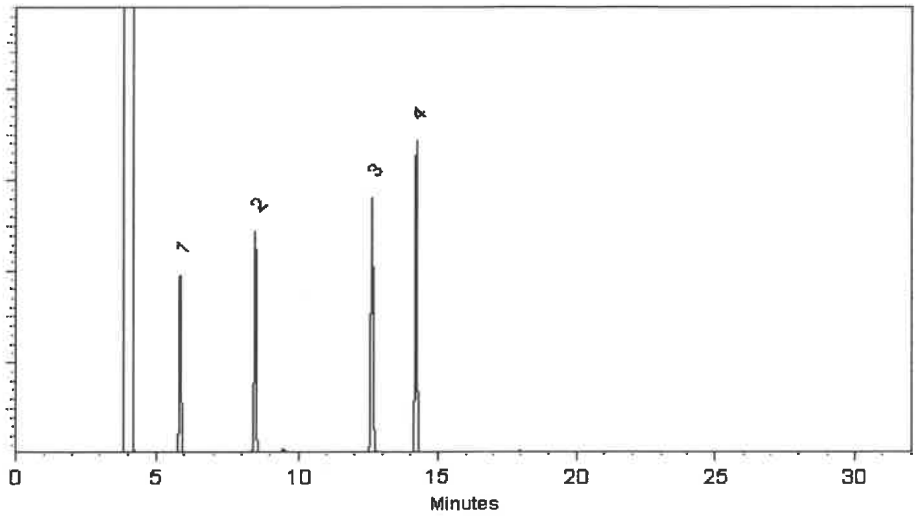
Inj. Temp:
200°C

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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CERTIFIED REFERENCE MATERIAL

30 V.4

Certificate of Analysis

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V14697-to-14726

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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.)

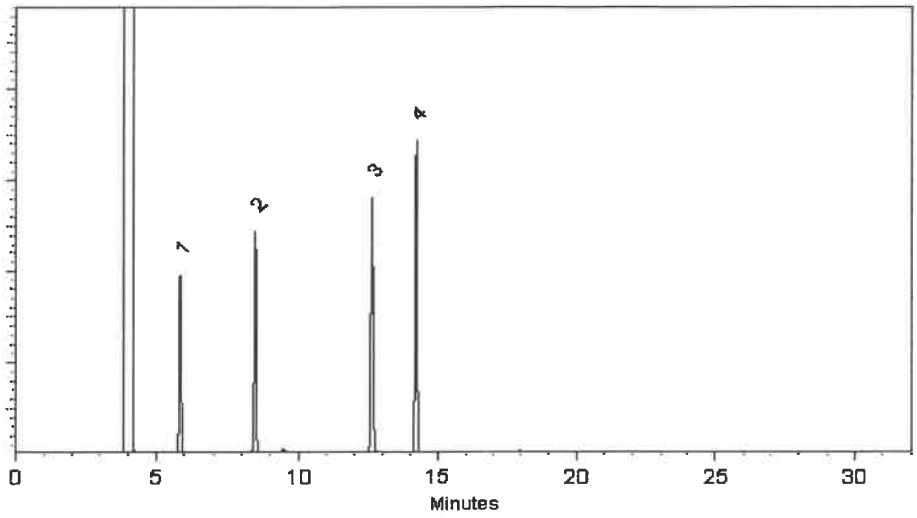
Inj. Temp:
200°C

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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ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30042 **Lot No.:** A0216826

Description : 502.2 Calibration Mix #1

502.2 Calibration Mix #1 2,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : May 31, 2031 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Dichlorodifluoromethane (CFC-12)	75-71-8	00022922	99%	2,000.9 µg/mL	+/- 112.4144
2	Chloromethane (methyl chloride)	74-87-3	00022694	99%	2,000.7 µg/mL	+/- 112.3998
3	Vinyl chloride	75-01-4	00015559	99%	2,000.3 µg/mL	+/- 112.3779
4	Bromomethane (methyl bromide)	74-83-9	00017022	99%	2,001.8 µg/mL	+/- 112.4650
5	Chloroethane (ethyl chloride)	75-00-3	107-401039114-1	99%	2,000.1 µg/mL	+/- 112.3700
6	Trichlorofluoromethane (CFC-11)	75-69-4	MKCJ8658	99%	2,000.7 µg/mL	+/- 112.3992

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
60m x 0.25mm x 1.4µm
Rtx-502.2 (cat.#10916)

Carrier Gas:
helium-constant flow 2.0 mL/min.

Temp. Program:
40°C (hold 6 min.) to 100°C
@ 6°C/min.

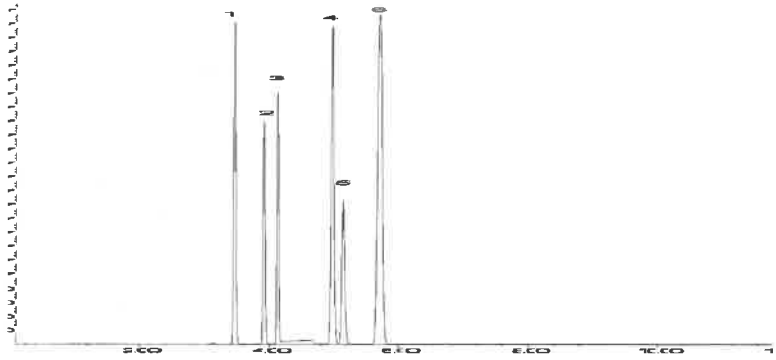
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD

Split Vent:
Split ratio 10:1

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Tom Suckar - Mix Technician

Date Mixed: 23-Sep-2024 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 04-Oct-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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CERTIFIED REFERENCE MATERIAL

30 Vial

Certificate of Analysis

chromatographic plus

V14727 to
V14756

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Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 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.

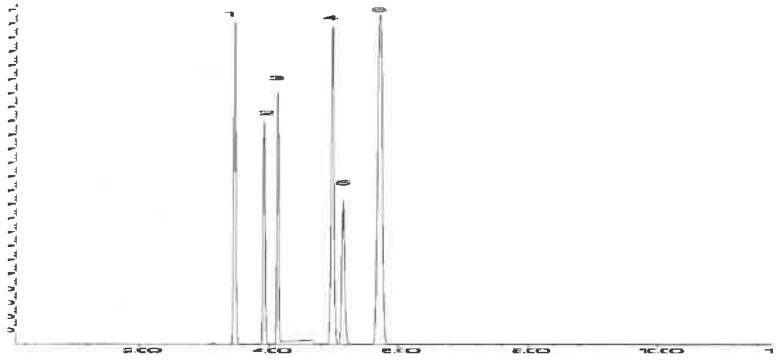
Inj. Temp:
200°C

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.)

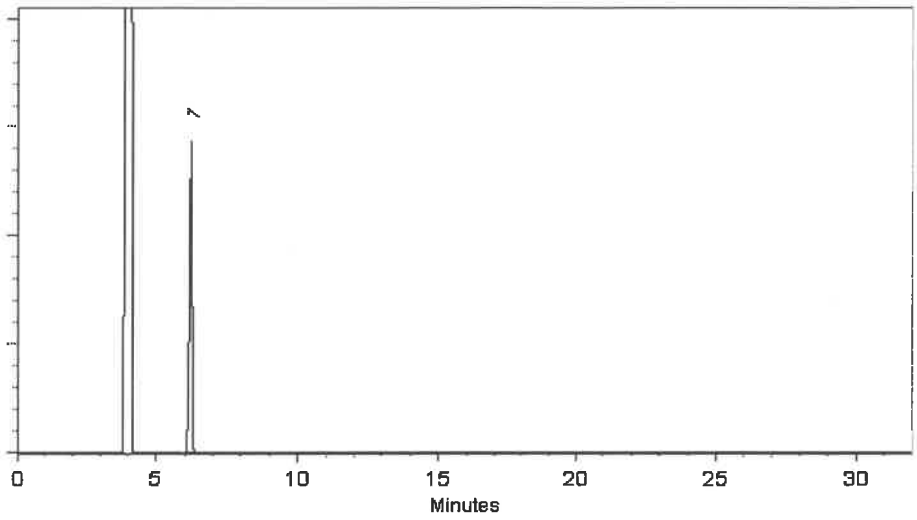
Inj. Temp:
200°C

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.
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- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- 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.

Zoviy Rec 01/08/21

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CERTIFIED REFERENCE MATERIAL

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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.)

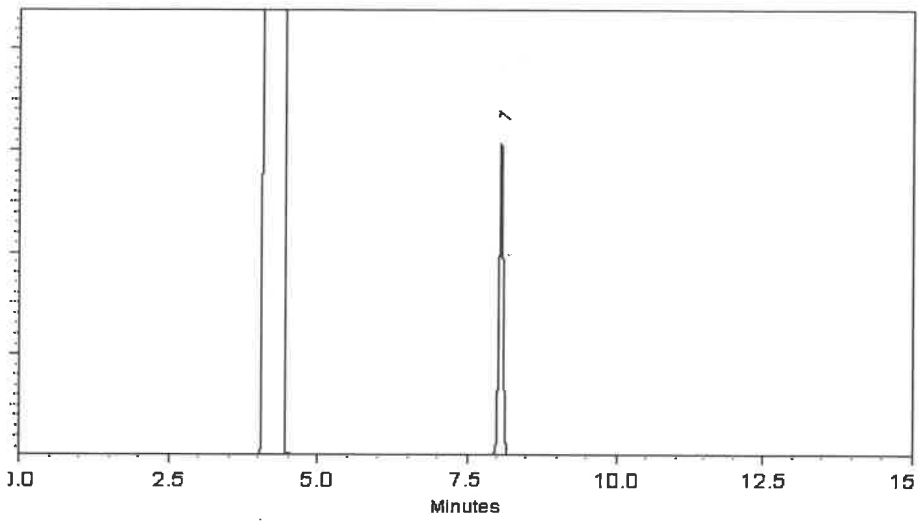
Inj. Temp:
200°C

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.

Zoviy Rec 01/08/21

RESTEK

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

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.)

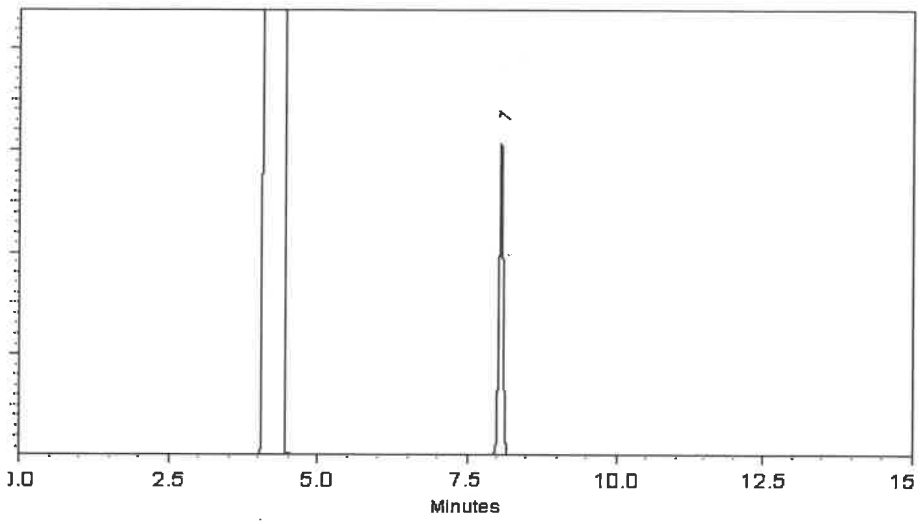
Inj. Temp:
200°C

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:

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Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- 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.

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- 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. Q1608
QUOTE NO.
COC Number 2041509

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. VIVOUDOU PHONE:

ANALYSIS

VOCs 8260
14 DIOXANE SIM
EDD

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 4 (QC + Full Raw Data)
☐ Level 2 (Results + QC) ☐ NJ Reduced ☐ US EPA CLP
☐ Level 3 (Results + QC + Raw Data) ☐ NYS ASP A ☐ NYS ASP B
☐ Other
X EDD FORMAT NJDEC EDD CAT B

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
								N/E	E								← Specify Preservatives A-HCl D-NaOH B-HN03 E-ICE C-H2SO4 F-OTHER
1.	TT172SI-20250317	GW		X	3-17-25	0835	3	2	1								
2.	RE139D1-20250317	GW		X		1135	3	2	1								
3.	RE139D2-20250317	GW		X		1115	3	2	1								
4.	TT205SI-20250317	GW		X		1145	3	2	1								
5.	DUP07-20250317	GW		X		—	3	2	1								
6.	TT163SI-20250317	GW		X		1305	3	2	1								
7.	RW11-MW01S-20250317	GW		X		1200	3	2	1								
8.	RW11-MW01I-20250317	GW		X		1155	3	2	1								
9.	GM38-RW3-MW1-20250318	GW		X	3-18-25	1115	3	2	1								
10.	DUP08-20250318	GW		X	3-18-25	—	3	2	1								

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1.	3-19-25	1. 1400 3-19-25
2.	DATE/TIME:	2.
3.	DATE/TIME: 1612 3-19-25	3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 2.8 °C
Comments:

Page 1 of 3

CLIENT: ☐ Hand Delivered ☐ Other
CHEMTECH: ☐ Picked Up ☐ Field Sampling

Shipment Complete ☐ YES ☐ NO

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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. Q1608
COC Number 2041510

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 AL
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 4 (QC + Full Raw Data)
☐ Level 2 (Results + QC) ☐ NJ Reduced ☐ US EPA CLP
☐ Level 3 (Results + QC + Raw Data) ☐ NYS ASP A ☐ NYS ASP B
☐ Other
X EDD FORMAT: NYSDEC EQUIS EDD CAT B

ANALYSIS

VOCs 8260 1,4 DIOXANE SIM 8270

PRESERVATIVES

1	2	3	4	5	6	7	8	9
NE	E							

COMMENTS

← Specify Preservatives
A-HCl D-NaOH
B-HN03 E-ICE
C-H2SO4 F-OTHER

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	1	2	3	4	5	6	7	8	9	COMMENTS
1.	RE132S1-20250318	GW		X	3-18-25	1210	9	6	3								MS/MSD
2.	RE132D2-20250318	GW		X		1100	3	2	1								
3.	RE132D3-20250318	GW		X		0948	3	2	1								
4.	RE132D4-20250318	GW		X		0940	3	2	1								
5.	RE132D5-20250318	GW		X		0915	3	2	1								
6.	RE132D6-20250318	GW		X		0940	3	2	1								
7.	RE132D7-20250318	GW		X		1110	3	2	1								
8.	RE117D2-20250319	GW		X	3-19-25	0910	3	2	1								
9.	TT101P2-20250319	GW		X		1015	3	2	1								
10.	TT161S1-20250319	GW		X		0910	3	2	1								

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

	DATE/TIME:		
RELINQUISHED BY SAMPLER: 1.	3-19-25	RECEIVED BY: 1.	1400 3-19-25
RELINQUISHED BY SAMPLER: 2.	DATE/TIME:	RECEIVED BY: 2.	
RELINQUISHED BY SAMPLER: 3.	DATE/TIME: 1612 3-19-25	RECEIVED BY: 3.	

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 2.1 °C
Comments:

Page 2 of 3

CLIENT: ☐ Hand Delivered ☐ Other
CHEMTECH: ☐ Picked Up ☐ Field Sampling

Shipment Complete ☐ YES ☐ NO

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Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 • Fax (908) 789-8922
www.chemtech.net

ALLIANCE PROJECT NO.
QUOTE NO. Q1608
COC Number 2045895

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: 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

DATA DELIVERABLE INFORMATION

☐ Level 1 (Results Only) ☐ Level 4 (QC + Full Raw Data)
☐ Level 2 (Results + QC) ☐ NJ Reduced ☐ US EPA CLP
☐ Level 3 (Results + QC + Raw Data) ☐ NYS ASP A ☐ NYS ASP B
☐ Other
☒ EDD FORMAT NJSDEC EDD (ATB)

ANALYSIS

1: VOCs 8260 1,4 DIOXANE 2: 3: 4: 5: 6: 7: 8: 9:

ALLIANCE 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
1.	TT189D2-20250319	GW		X	3-19-25	1220	3	2	1								
2.	RW8-MW01S-20250319	GW		X	"	1135	3	2	1								
3.	RW8-MW01D1-20250319	GW		X	"	1150	3	2	1								
4.	RW8-MW01D2-20250319	GW		X	"	0950	3	2	1								
5.	RW8-MW01D3-20250319	GW		X	"	0947	3	2	1								
6.	DUP 09-20250319	GW		X	"	—	3	2	1								
7.	FB	DW		X	3-19-25	—	2	2									
8.																	
9.																	
10.																	

PRESERVATIVES: A/E E

COMMENTS: ← 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

	DATE/TIME:	RECEIVED BY:
RELINQUISHED BY SAMPLER: 1.	3-19-25	RECEIVED BY: 1. 1400 3-19-25
RELINQUISHED BY SAMPLER: 2.	DATE/TIME:	RECEIVED BY: 2.
RELINQUISHED BY SAMPLER: 3.	DATE/TIME: 1612 3-19-25	RECEIVED BY: 3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 2.5 °C
Comments:

Page 1 of 3

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete ☐ YES ☐ NO

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284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q1608 AECO15
Client Name : AECOM Technical Service
Client Contact : Eleanor Vivadou
Invoice Name : AECOM Technical Service
Invoice Contact : Eleanor Vivadou

Order Date : 3/19/2025 2:28:00 PM
Project Name : NAVFAC NWIRP Bethpage
Receive DateTime : 3/19/2025 4:12:00 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
Q1608-01	TT172S1-20250317	Water	03/17/2025	08:35					
					VOCMS Group1		8260-Low		10 Bus. Days
Q1608-02	RE139D1-20250317	Water	03/17/2025	11:35					
					VOCMS Group1		8260-Low		10 Bus. Days
Q1608-03	RE139D2-20250317	Water	03/17/2025	11:15					
					VOCMS Group1		8260-Low		10 Bus. Days
Q1608-04	TT205S1-20250317	Water	03/17/2025	12:45					
					VOCMS Group1		8260-Low		10 Bus. Days
Q1608-05	DUP07-20250317	Water	03/17/2025	00:00					
					VOCMS Group1		8260-Low		10 Bus. Days
Q1608-06	TT163S1-20250317	Water	03/17/2025	13:05					
					VOCMS Group1		8260-Low		10 Bus. Days
Q1608-07	RW11-MW01S-20250317	Water	03/17/2025	12:00					
					VOCMS Group1		8260-Low		10 Bus. Days
Q1608-08	RW11-MW01I-20250317	Water	03/17/2025	11:55					

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q1608 AECO15
Client Name : AECOM Technical Service
Client Contact : Eleanor Vivadou
Invoice Name : AECOM Technical Service
Invoice Contact : Eleanor Vivadou

Order Date : 3/19/2025 2:28:00 PM
Project Name : NAVFAC NWIRP Bethpag
Receive DateTime : 3/19/2025 4:12:00 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
Q1608-09	GM38-RW3-MW1-20250318	Water	03/18/2025	11:15					
					VOCMS Group1		8260-Low		10 Bus. Days
Q1608-10	DUP08-20250318	Water	03/18/2025	00:00					
					VOCMS Group1		8260-Low		10 Bus. Days
Q1608-11	~~RE132D1~~-20250318 RE132D1	Water	03/18/2025	12:10					
					VOCMS Group1		8260-Low		10 Bus. Days
Q1608-12	Q1608-11MS	Water	03/18/2025	12:10					
					VOCMS Group1		8260-Low		10 Bus. Days
Q1608-13	Q1608-11MSD	Water	03/18/2025	12:10					
					VOCMS Group1		8260-Low		10 Bus. Days
Q1608-14	RE132D2-20250318	Water	03/18/2025	11:00					
					VOCMS Group1		8260-Low		10 Bus. Days
Q1608-15	RE132D3-20250318	Water	03/18/2025	09:48					
					VOCMS Group1		8260-Low		10 Bus. Days

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q1608 AECO15
Client Name : AECOM Technical Service
Client Contact : Eleanor Vivadou
Invoice Name : AECOM Technical Service
Invoice Contact : Eleanor Vivadou

Order Date : 3/19/2025 2:28:00 PM
Project Name : NAVFAC NWIRP Bethpag
Receive DateTime : 3/19/2025 4:12:00 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
Q1608-16	RE132D4-20250318	Water	03/18/2025	09:40					
					VOCMS Group1		8260-Low		10 Bus. Days
Q1608-17	RE132D5-20250318	Water	03/18/2025	09:15					
					VOCMS Group1		8260-Low		10 Bus. Days
Q1608-18	RE132D6-20250318	Water	03/18/2025	09:40					
					VOCMS Group1		8260-Low		10 Bus. Days
Q1608-19	RE132D7-20250318	Water	03/18/2025	11:10					
					VOCMS Group1		8260-Low		10 Bus. Days
Q1608-20	RE117D2-2025031[redacted]9	Water	03/19/2025	09:10					
					VOCMS Group1		8260-Low		10 Bus. Days
Q1608-21	TT101D2-20250319	Water	03/19/2025	10:15					
					VOCMS Group1		8260-Low		10 Bus. Days
Q1608-22	TT161S1-20250319	Water	03/19/2025	09:10					
					VOCMS Group1		8260-Low		10 Bus. Days
Q1608-23	TT189D2-20250319	Water	03/19/2025	12:20					

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q1608 AECO15
Client Name : AECOM Technical Service
Client Contact : Eleanor Vivadou
Invoice Name : AECOM Technical Service
Invoice Contact : Eleanor Vivadou

Order Date : 3/19/2025 2:28:00 PM
Project Name : NAVFAC NWIRP Bethpag
Receive DateTime : 3/19/2025 4:12:00 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	
Q1608-24	RW8-MW01S-20250319	Water	03/19/2025	11:35					
					VOCMS Group1		8260-Low	10 Bus. Days	
Q1608-25	RW8-MW01D1-20250319	Water	03/19/2025	11:50					
					VOCMS Group1		8260-Low	10 Bus. Days	
Q1608-26	RW8-MW01D2-20250319	Water	03/19/2025	09:50					
					VOCMS Group1		8260-Low	10 Bus. Days	
Q1608-27	RW8-MW01D3-20250319	Water	03/19/2025	09:47					
					VOCMS Group1		8260-Low	10 Bus. Days	
Q1608-28	DUP09-20250319	Water	03/19/2025	00:00					
					VOCMS Group1		8260-Low	10 Bus. Days	
Q1608-29	TB	Water	03/19/2025	00:00					
					VOCMS Group1		8260-Low	10 Bus. Days	

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID :	Q1608 AECO15	**Order Date :**	3/19/2025 2:28:00 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 :**	3/19/2025 4:12:00 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 : [signature]

Date / Time : 3/20/25 0955

Received By : Sam

Date / Time : 03/20/25 09:55 Refrig 4

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

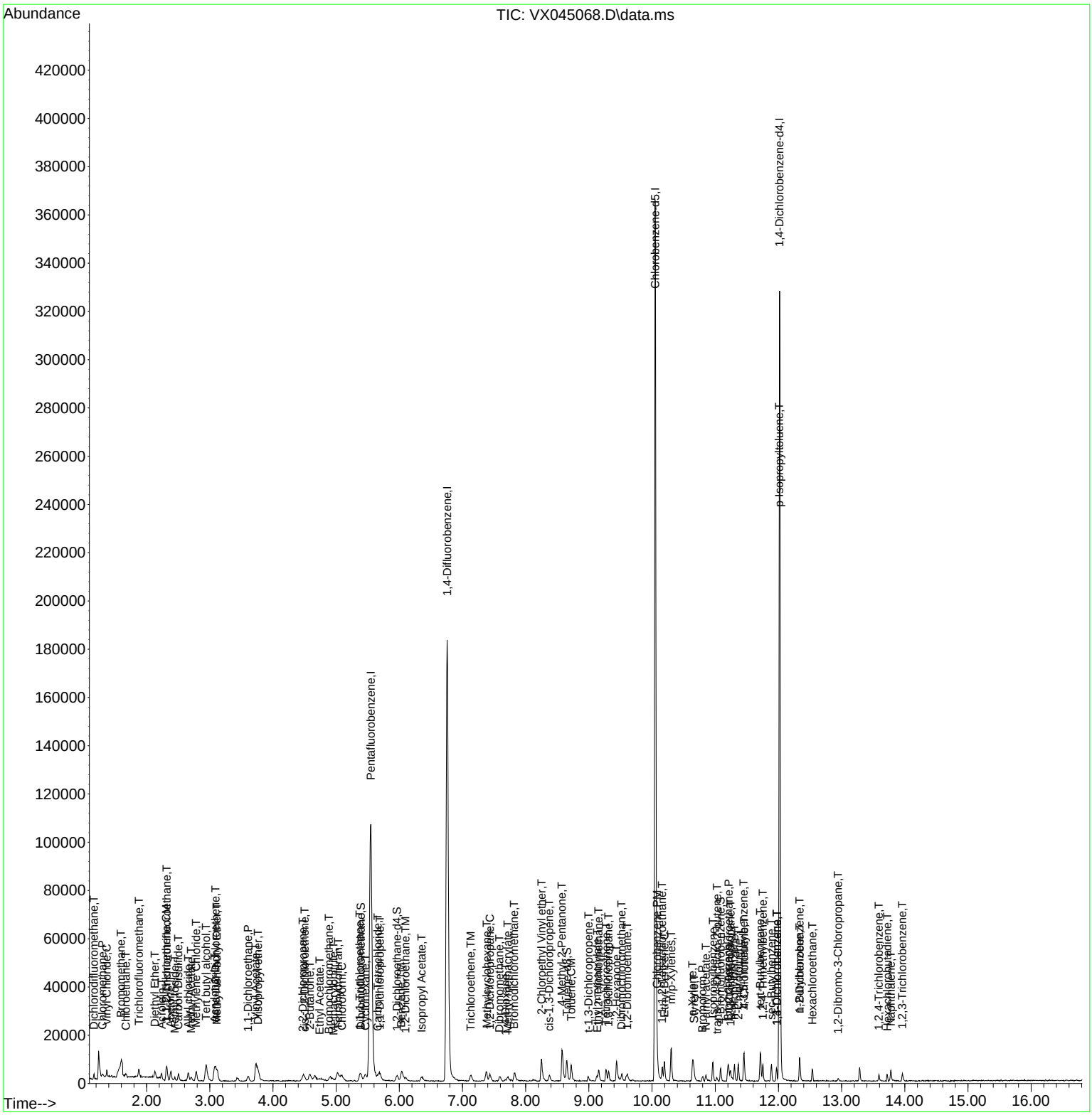
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

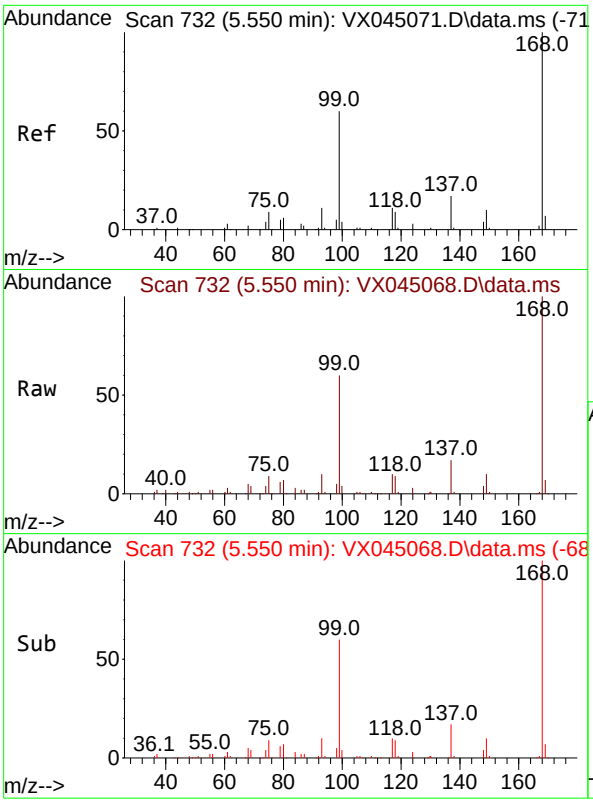
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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



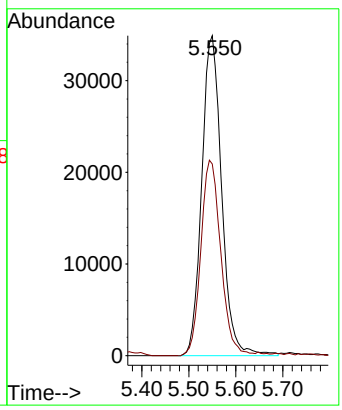


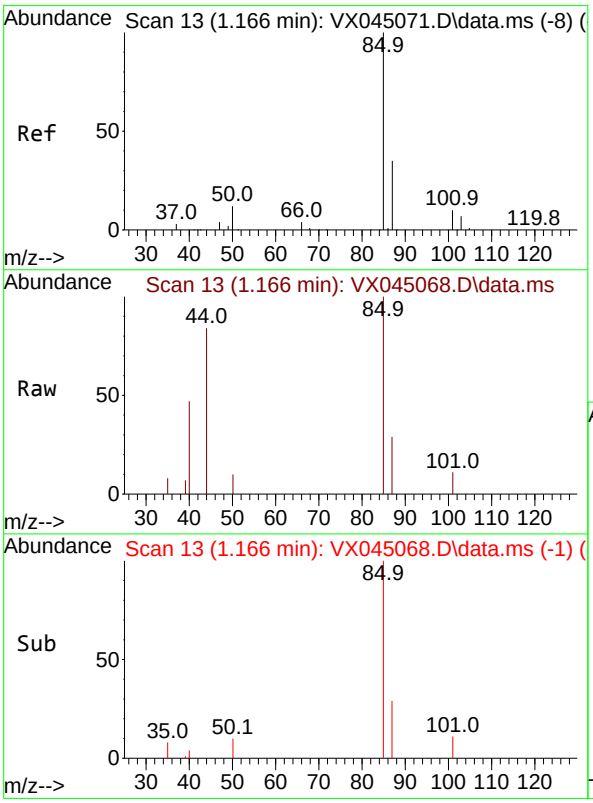
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:168 Resp: 102761

Ion	Ratio	Lower	Upper
168	100		
99	59.9	48.2	72.4

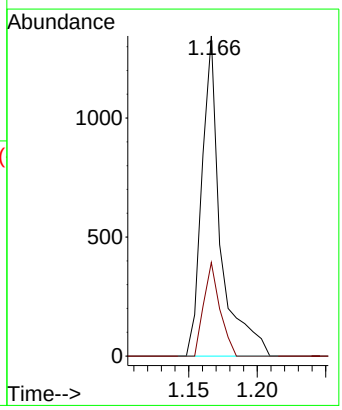


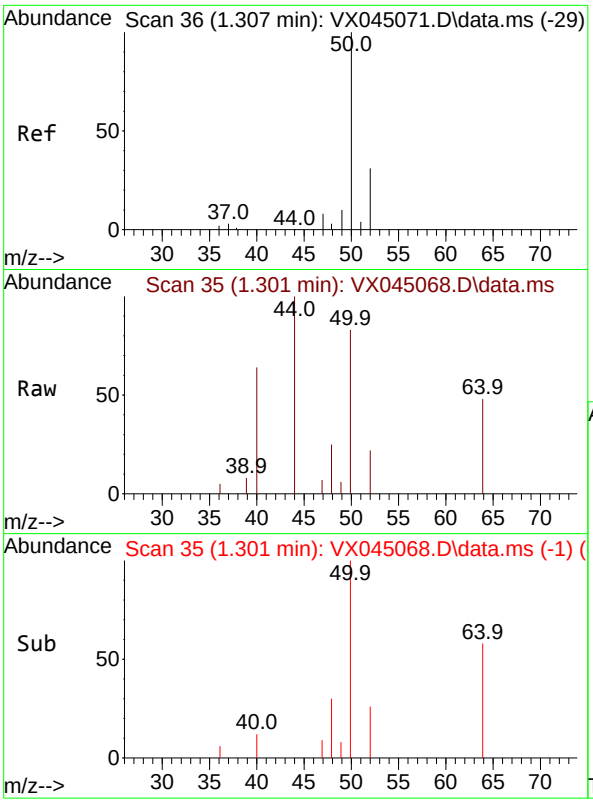


#2
Dichlorodifluoromethane
Concen: 1.007 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 85 Resp: 1282

Ion	Ratio	Lower	Upper
85	100		
87	29.2	17.4	52.3



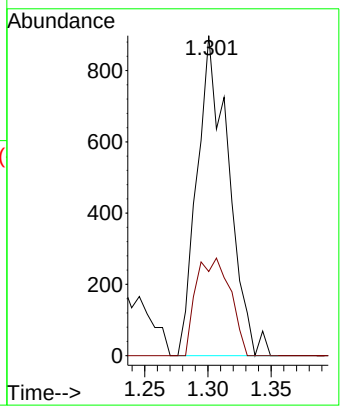


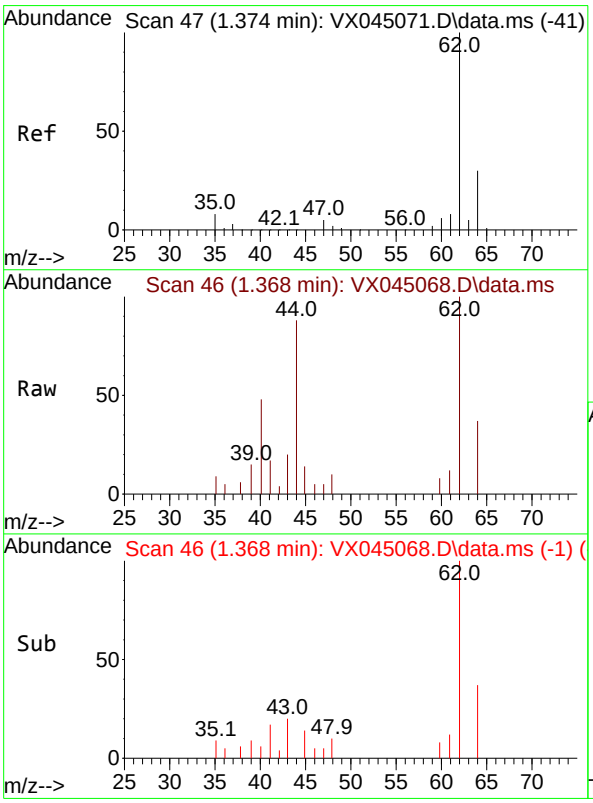
#3
Chloromethane
Concen: 0.975 ug/l
RT: 1.301 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 50 Resp: 1552

Ion	Ratio	Lower	Upper
50	100		
52	26.3	25.0	37.4

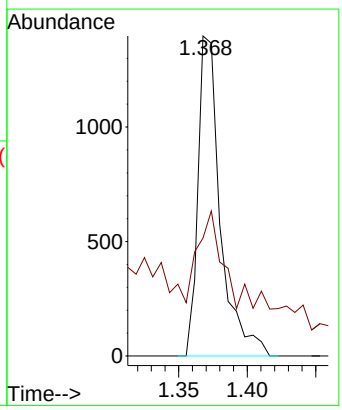


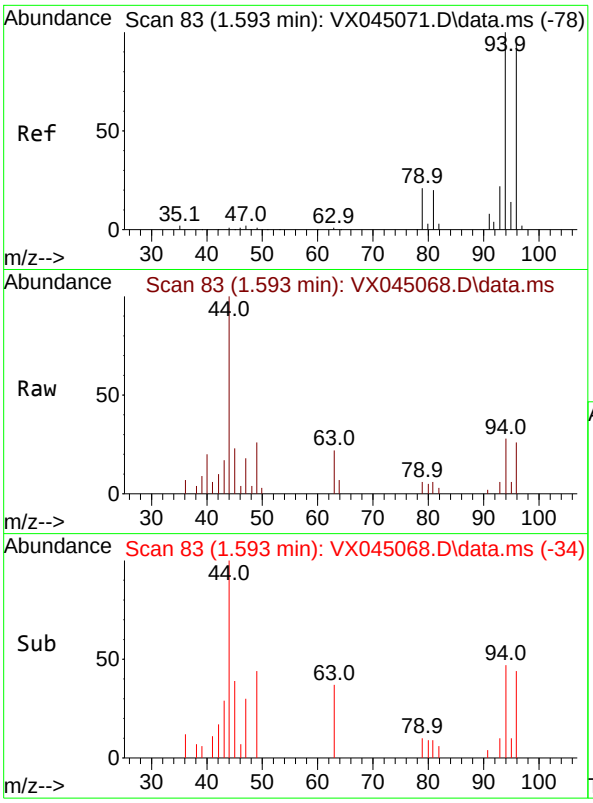


#4
Vinyl Chloride
Concen: 1.008 ug/l
RT: 1.368 min Scan# 46
Delta R.T. -0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 62 Resp: 1588

Ion	Ratio	Lower	Upper
62	100		
64	22.0	24.3	36.5#



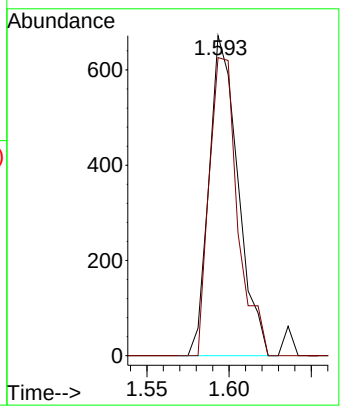


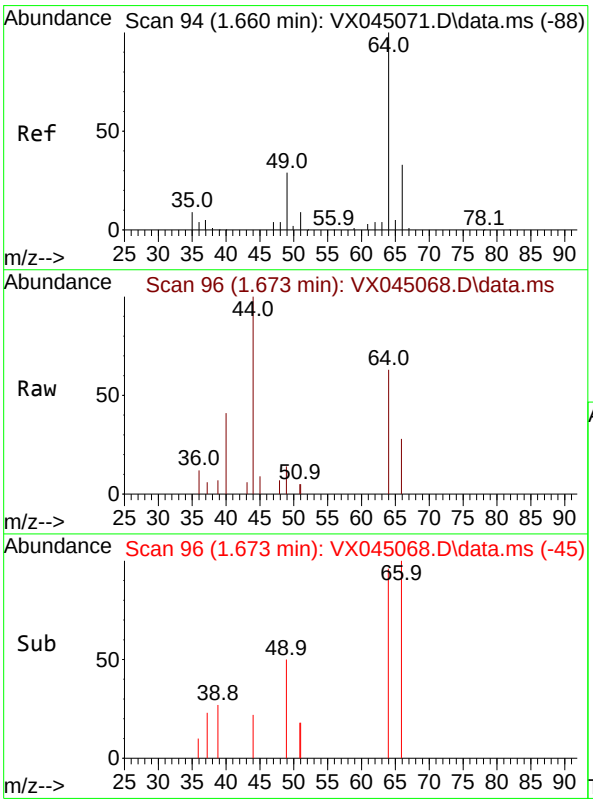
#5
Bromomethane
Concen: 1.335 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 94 Resp: 824

Ion	Ratio	Lower	Upper
94	100		
96	93.2	75.0	112.4

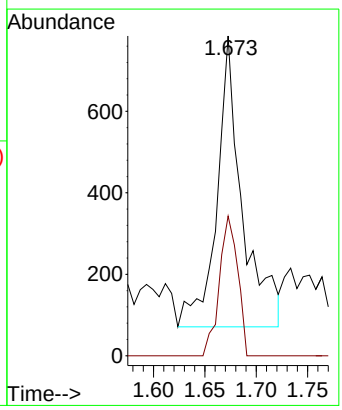


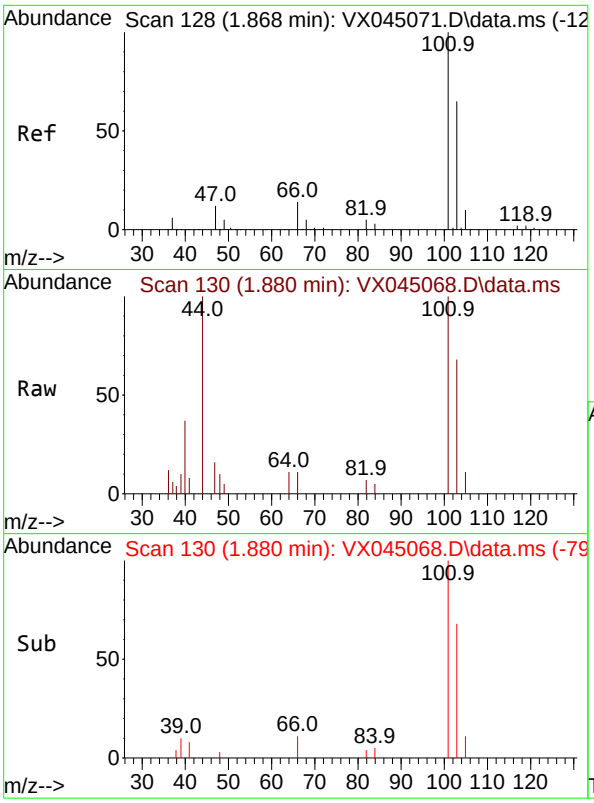


#6
Chloroethane
Concen: 1.591 ug/l
RT: 1.673 min Scan# 96
Delta R.T. 0.012 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 64 Resp: 1228

Ion	Ratio	Lower	Upper
64	100		
66	48.0	26.7	40.1#



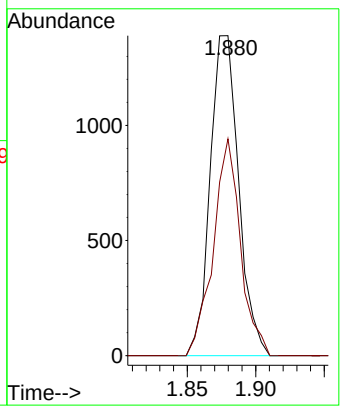


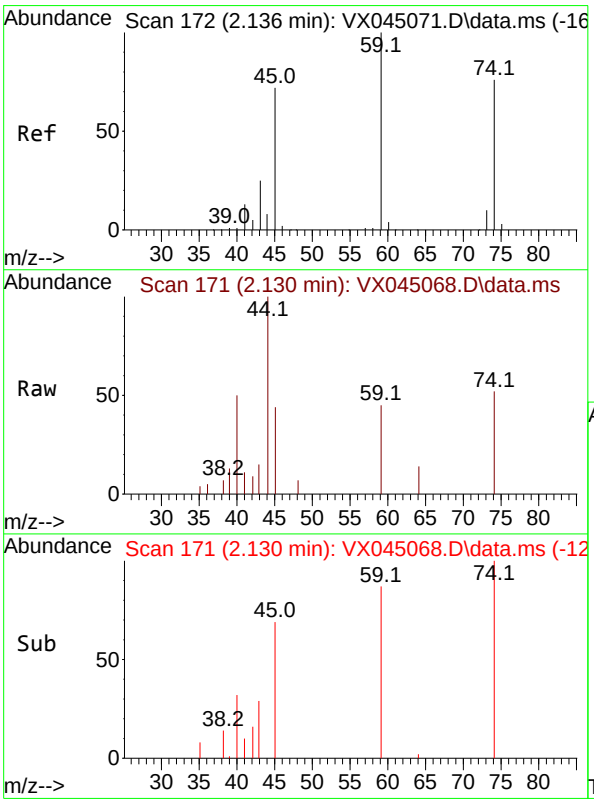
#7
Trichlorofluoromethane
Concen: 0.957 ug/l
RT: 1.880 min Scan# 1
Delta R.T. 0.012 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:101 Resp: 2011

Ion	Ratio	Lower	Upper
101	100		
103	67.8	52.1	78.1

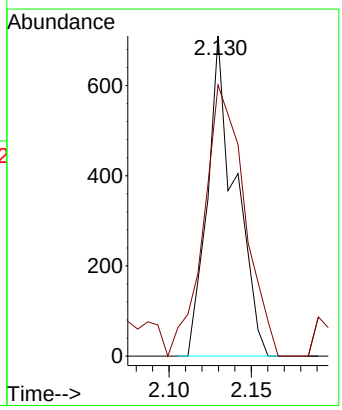


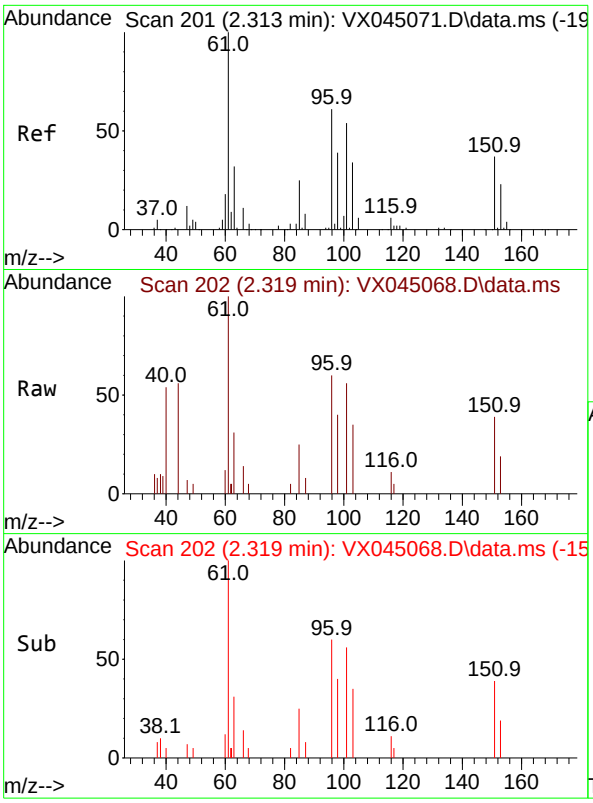


#8
Diethyl Ether
Concen: 1.045 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 74 Resp: 835

Ion	Ratio	Lower	Upper
74	100		
45	123.5	51.5	154.5



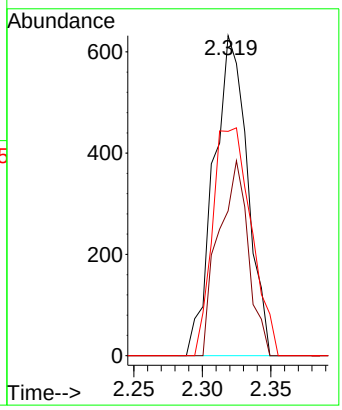


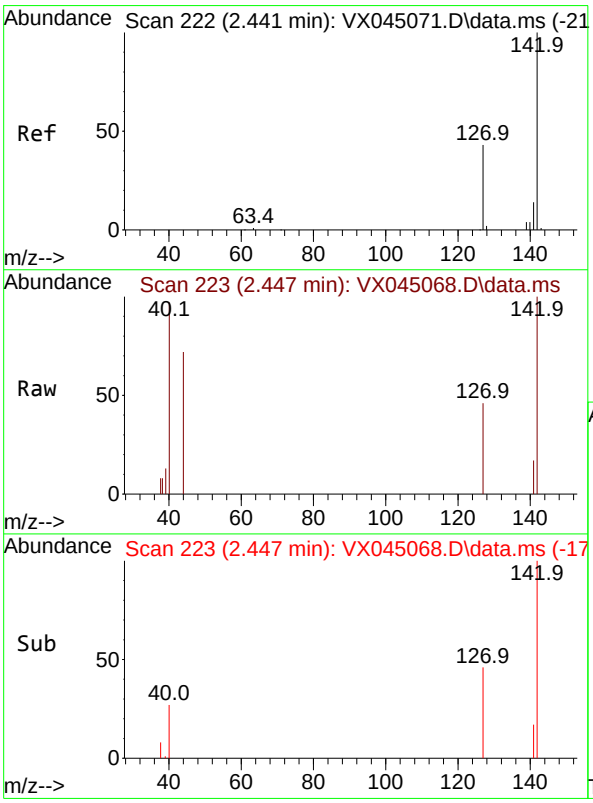
#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.884 ug/l
RT: 2.319 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

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

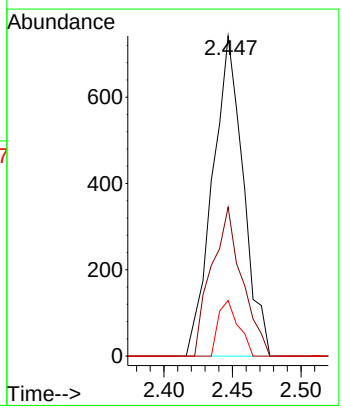


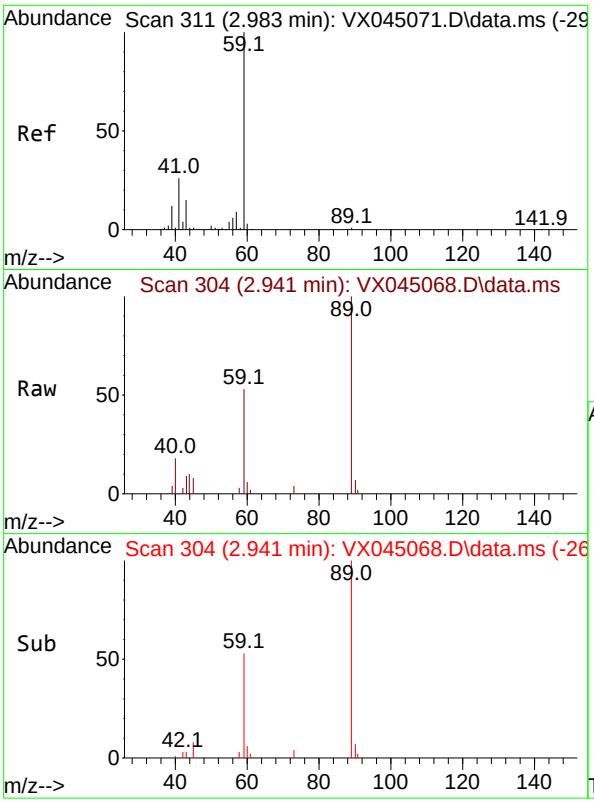


#10
Methyl Iodide
Concen: 0.775 ug/l
RT: 2.447 min Scan# 223
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

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#



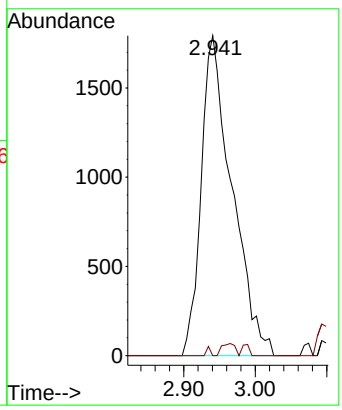


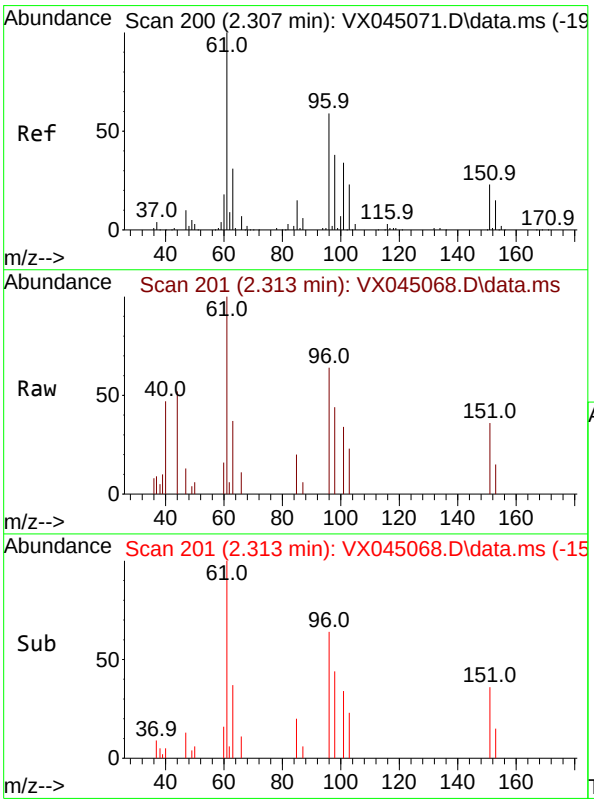
#11
Tert butyl alcohol
Concen: 17.299 ug/l
RT: 2.941 min Scan# 3
Delta R.T. -0.043 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 59 Resp: 5356

Ion	Ratio	Lower	Upper
59	100		
57	0.0	7.8	11.8#

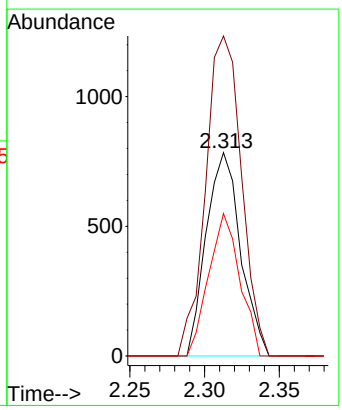


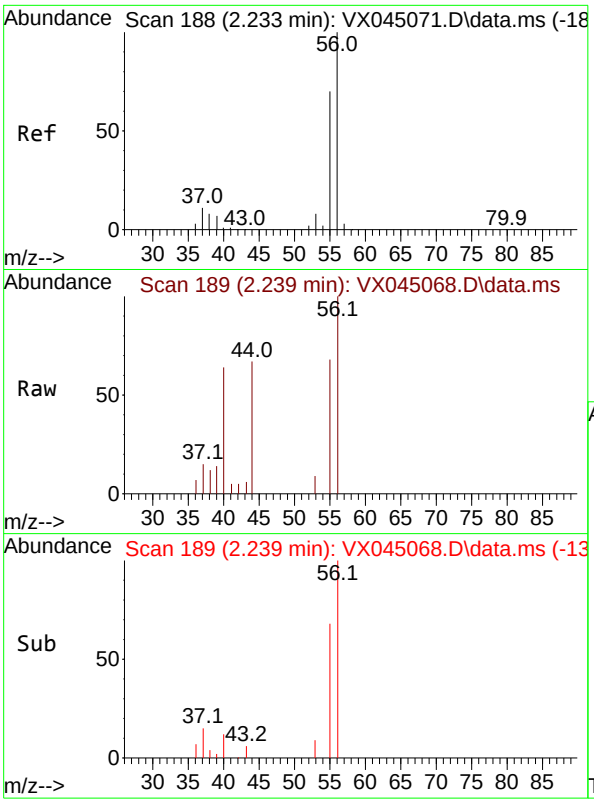


#12
1,1-Dichloroethene
Concen: 0.991 ug/l
RT: 2.313 min Scan# 201
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

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



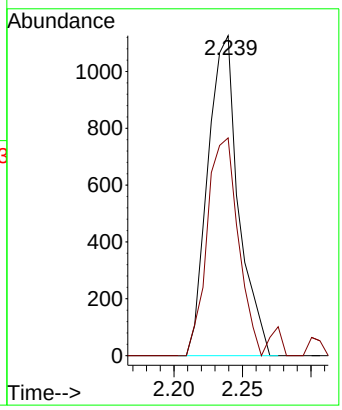


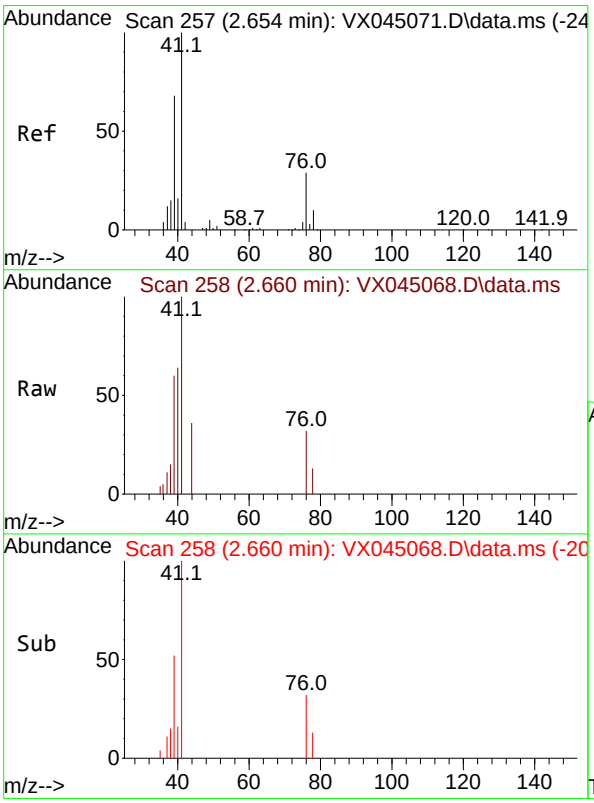
#13
Acrolein
Concen: 4.906 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 56 Resp: 1756

Ion	Ratio	Lower	Upper
56	100		
55	68.8	56.2	84.4

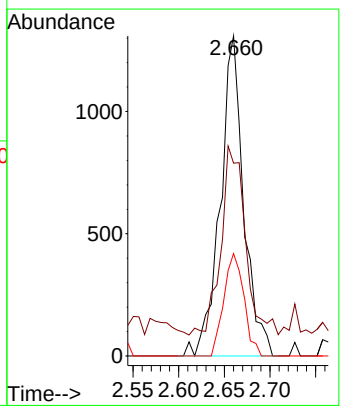


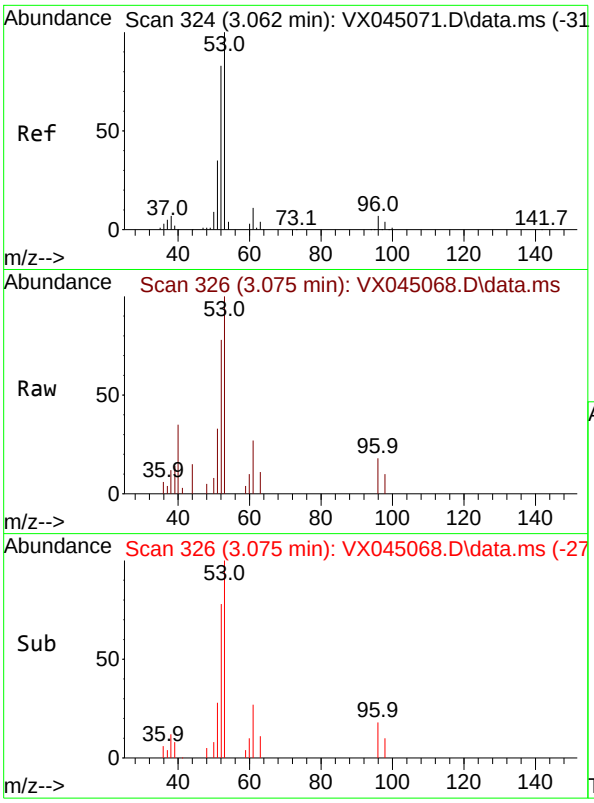


#14
Allyl chloride
Concen: 1.055 ug/l
RT: 2.660 min Scan# 258
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

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



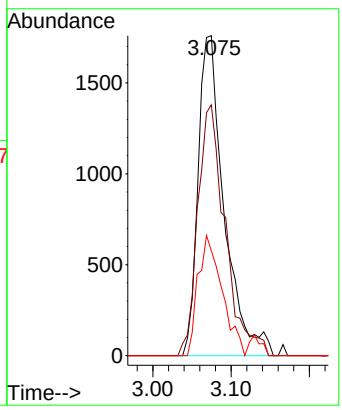


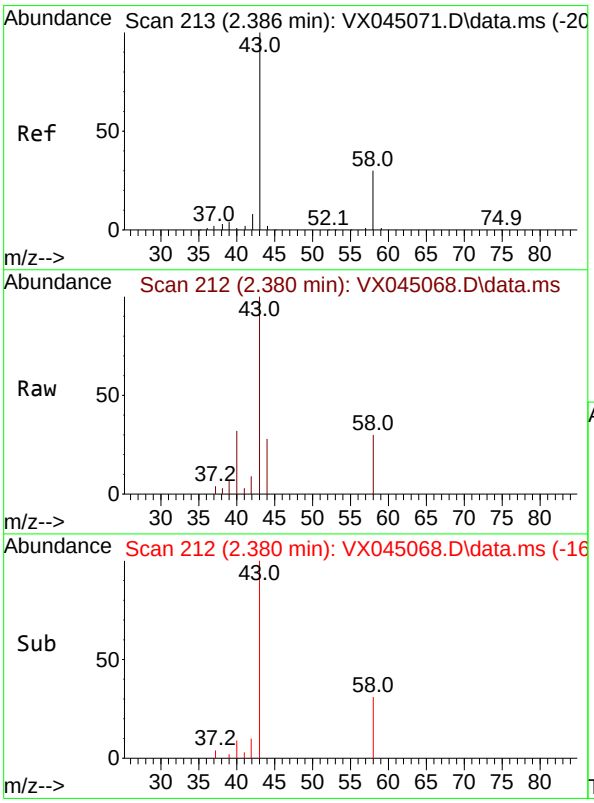
#15
Acrylonitrile
Concen: 4.931 ug/l
RT: 3.075 min Scan# 3
Delta R.T. 0.012 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

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

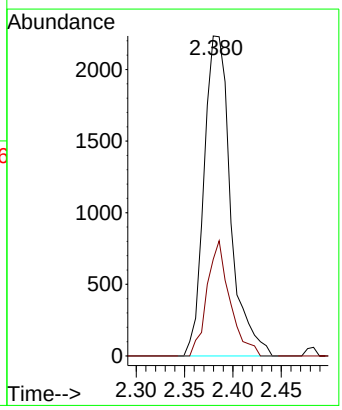


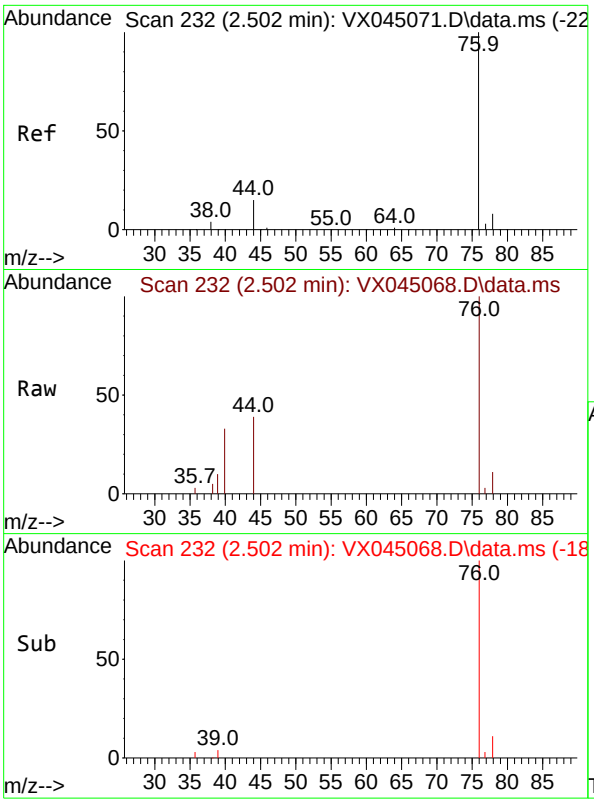


#16
Acetone
Concen: 5.635 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 43 Resp: 4259

Ion	Ratio	Lower	Upper
43	100		
58	30.2	24.2	36.4



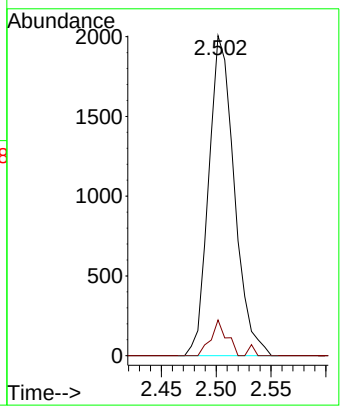


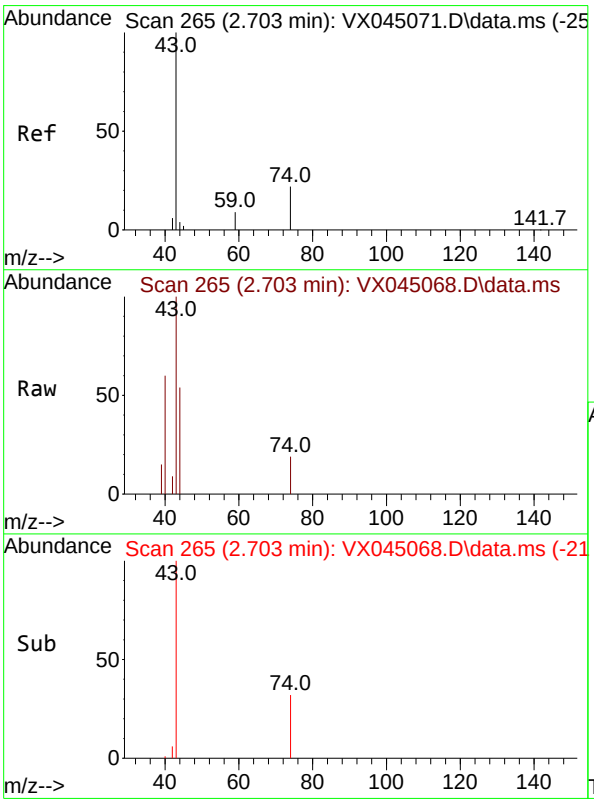
#17
Carbon Disulfide
Concen: 0.956 ug/l
RT: 2.502 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 76 Resp: 3256

Ion	Ratio	Lower	Upper
76	100		
78	11.2	6.6	9.8#

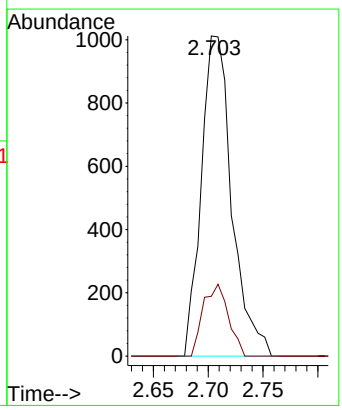


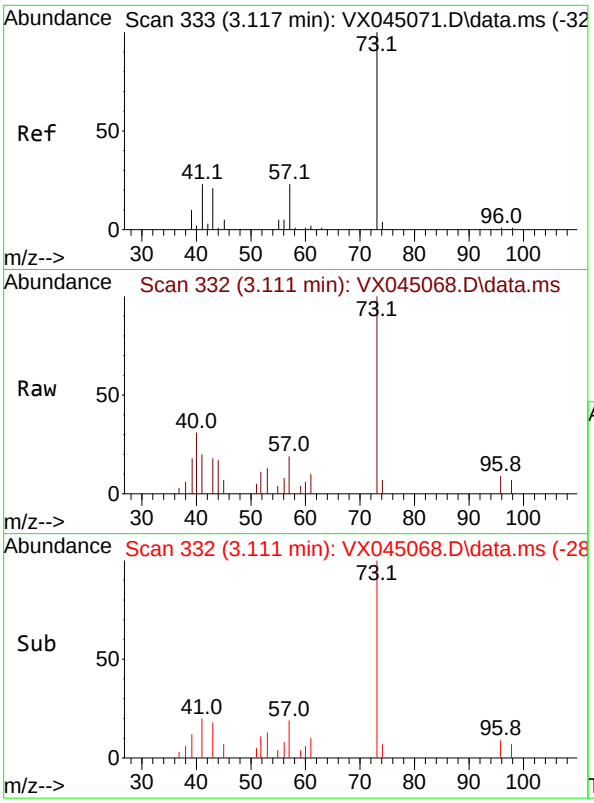


#18
Methyl Acetate
Concen: 1.066 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 43 Resp: 1960

Ion	Ratio	Lower	Upper
43	100		
74	18.5	17.4	26.2



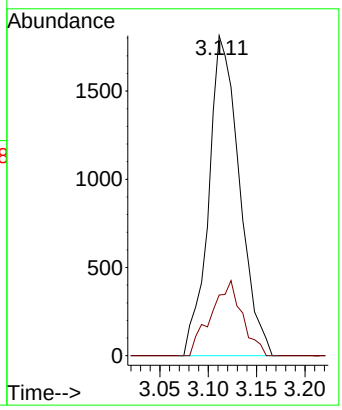


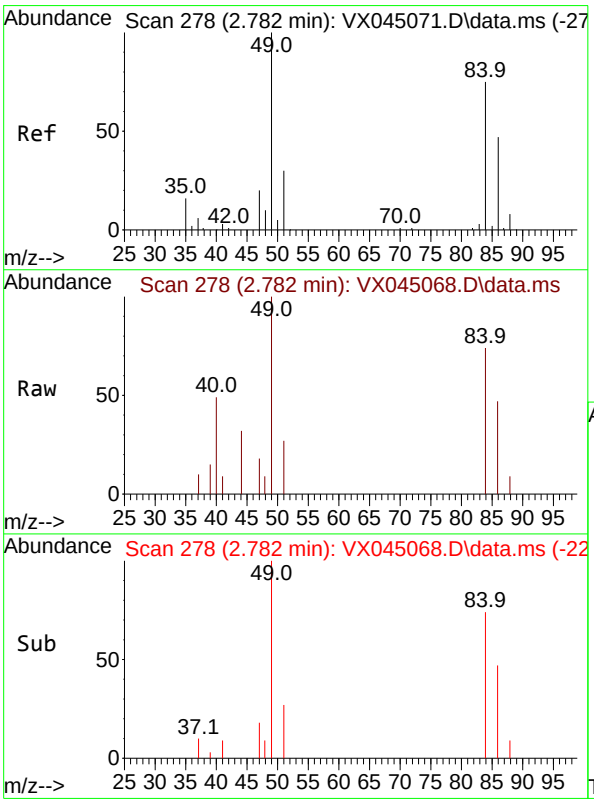
#19
Methyl tert-butyl Ether
Concen: 0.943 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 73 Resp: 4017

Ion	Ratio	Lower	Upper
73	100		
57	19.0	18.5	27.7

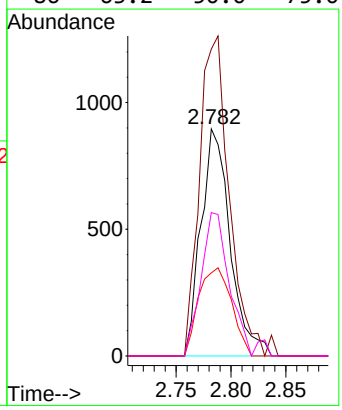


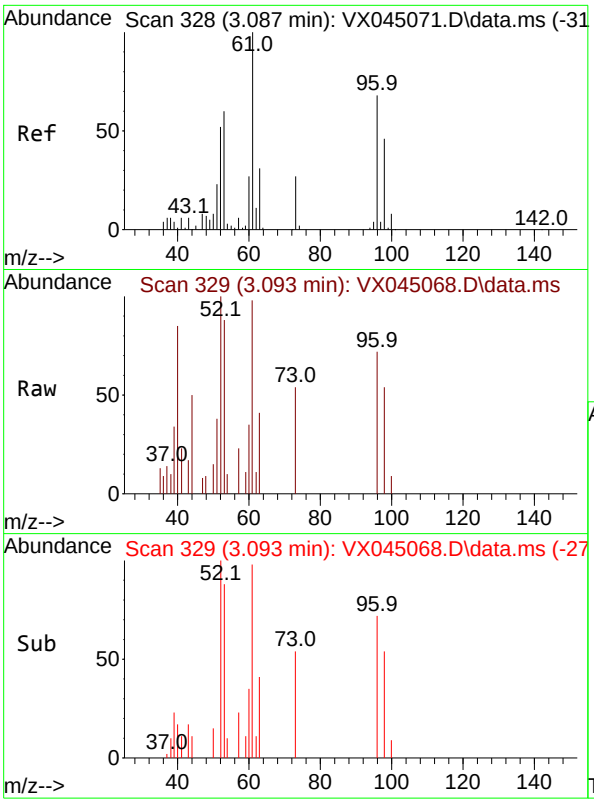


#20
Methylene Chloride
Concen: 1.095 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

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



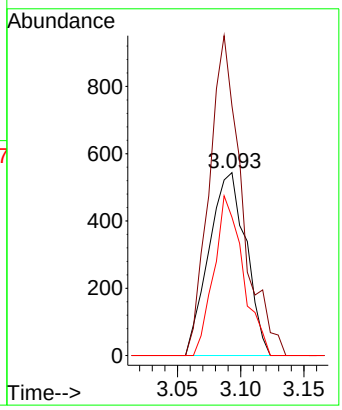


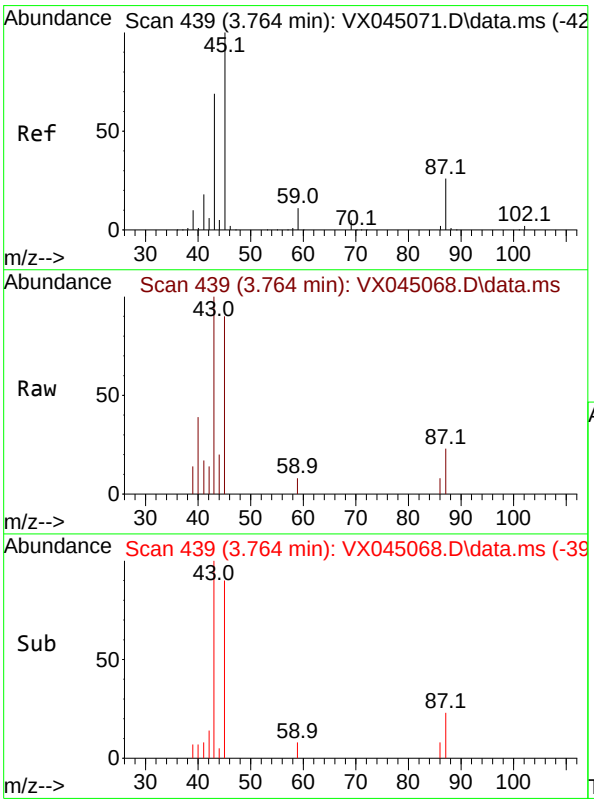
#21
trans-1,2-Dichloroethene
Concen: 0.869 ug/l
RT: 3.093 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

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

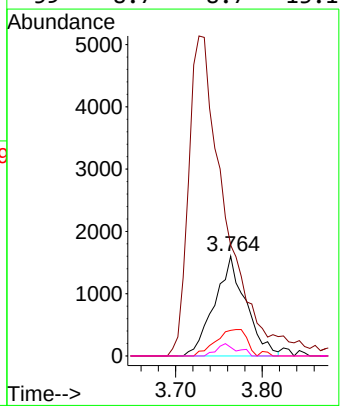


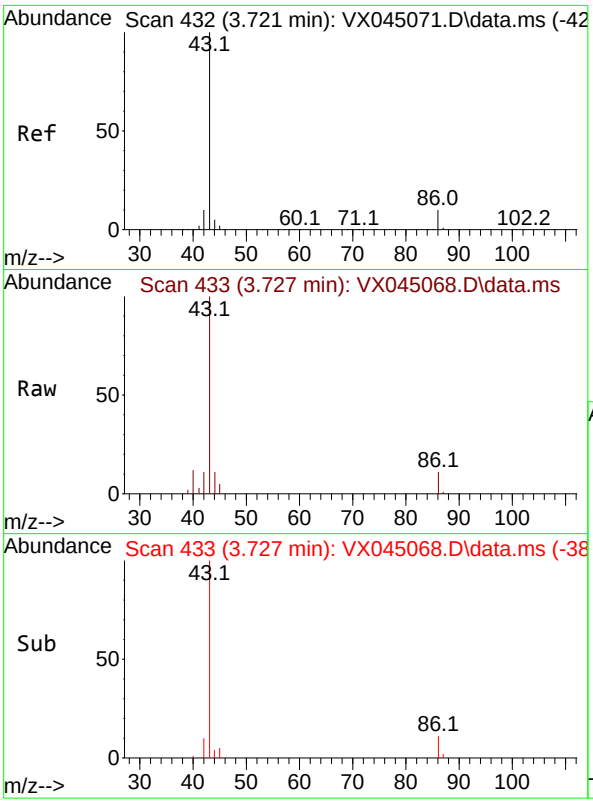


#22
Diisopropyl ether
Concen: 0.871 ug/l
RT: 3.764 min Scan# 439
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

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



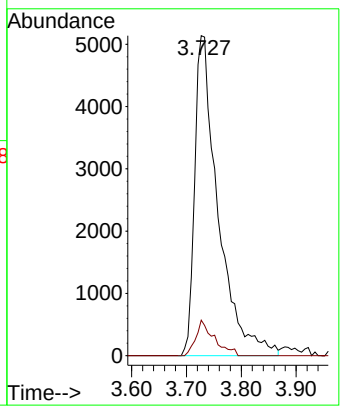


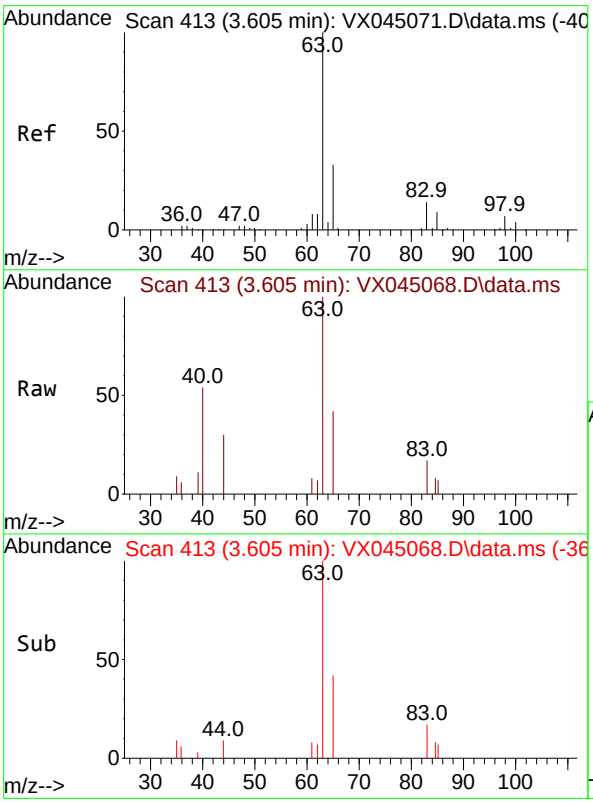
#23
Vinyl Acetate
Concen: 3.971 ug/l
RT: 3.727 min Scan# 4
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 15271

Ion	Ratio	Lower	Upper
43	100		
86	11.1	8.1	12.1

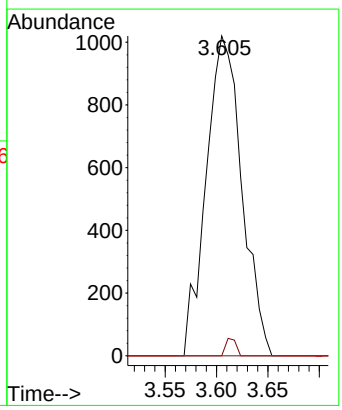


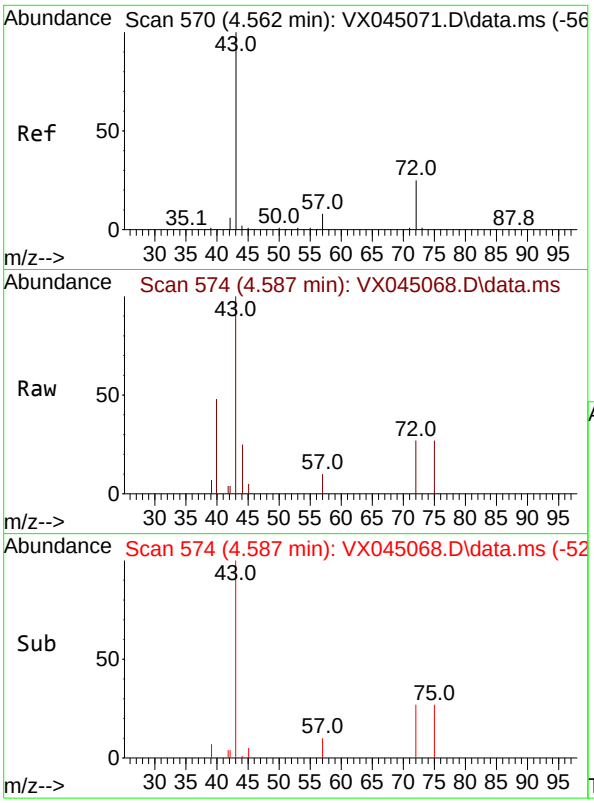


#24
1,1-Dichloroethane
Concen: 0.958 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

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#



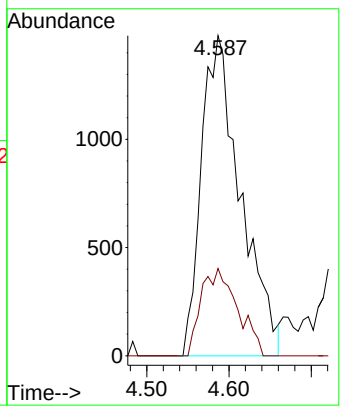


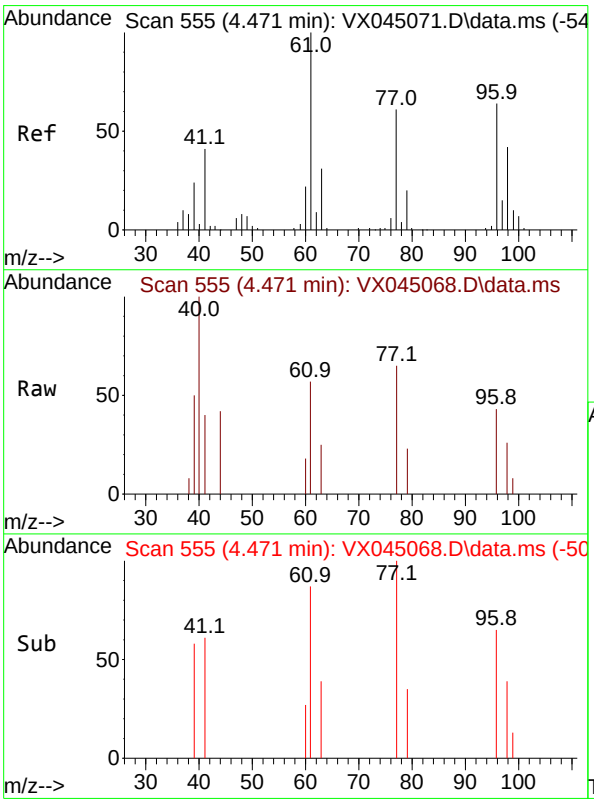
#25
2-Butanone
Concen: 4.252 ug/l
RT: 4.587 min Scan# 5
Delta R.T. 0.024 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 4894

Ion	Ratio	Lower	Upper
43	100		
72	27.2	20.0	30.0

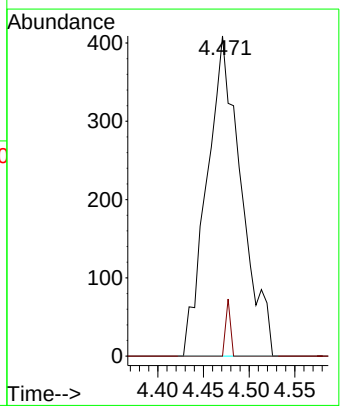


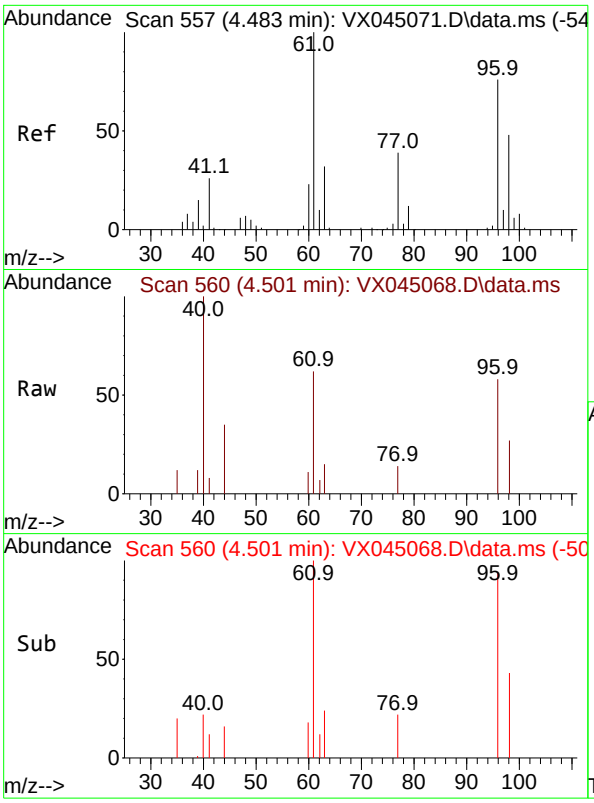


#26
2,2-Dichloropropane
Concen: 0.872 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 77 Resp: 1066

Ion	Ratio	Lower	Upper
77	100		
97	2.5	12.4	37.0#



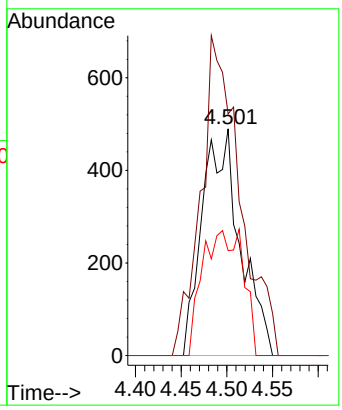


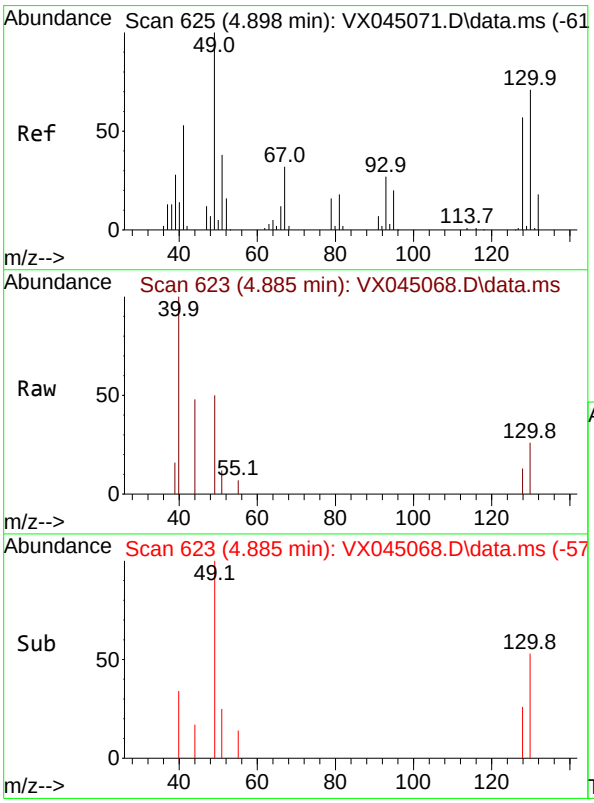
#27
cis-1,2-Dichloroethene
Concen: 0.902 ug/l
RT: 4.501 min Scan# 5
Delta R.T. 0.018 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

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

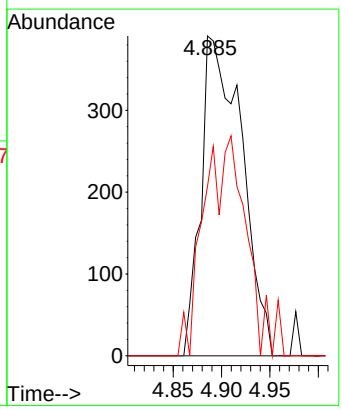


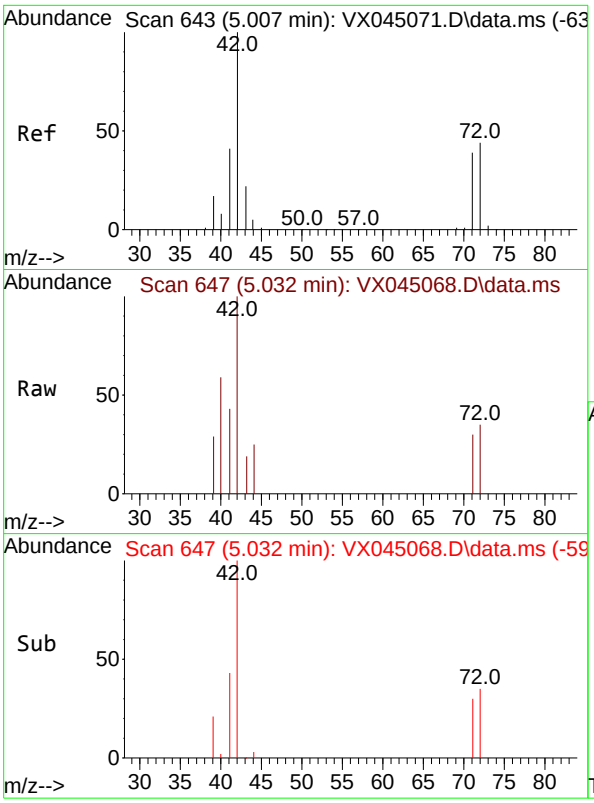


#28
Bromochloromethane
Concen: 0.958 ug/l
RT: 4.885 min Scan# 623
Delta R.T. -0.012 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

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#



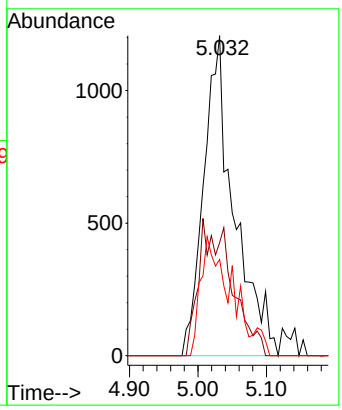


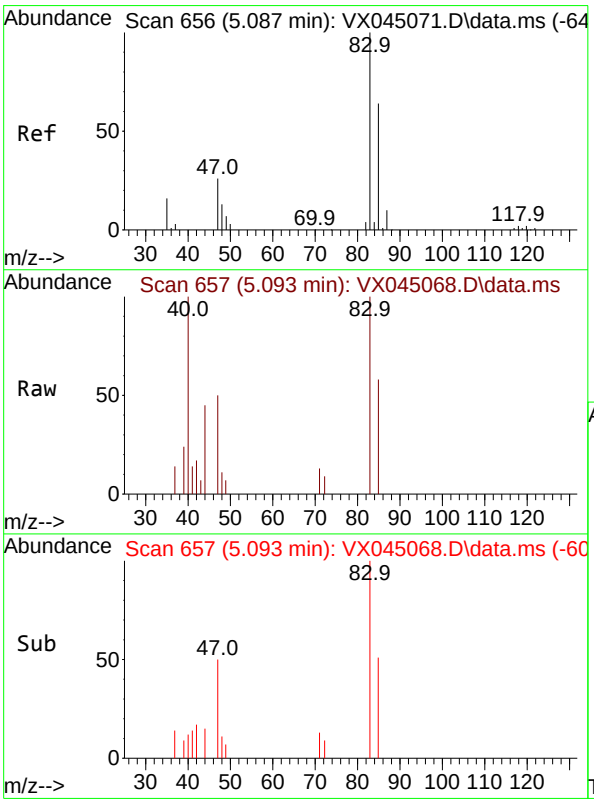
#29
Tetrahydrofuran
Concen: 4.809 ug/l
RT: 5.032 min Scan# 64
Delta R.T. 0.024 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

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#

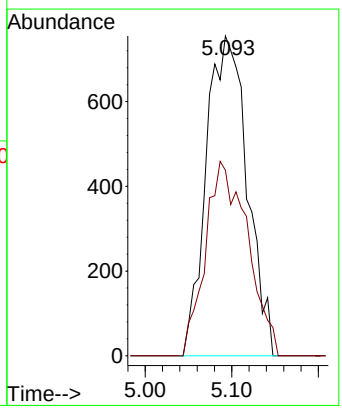


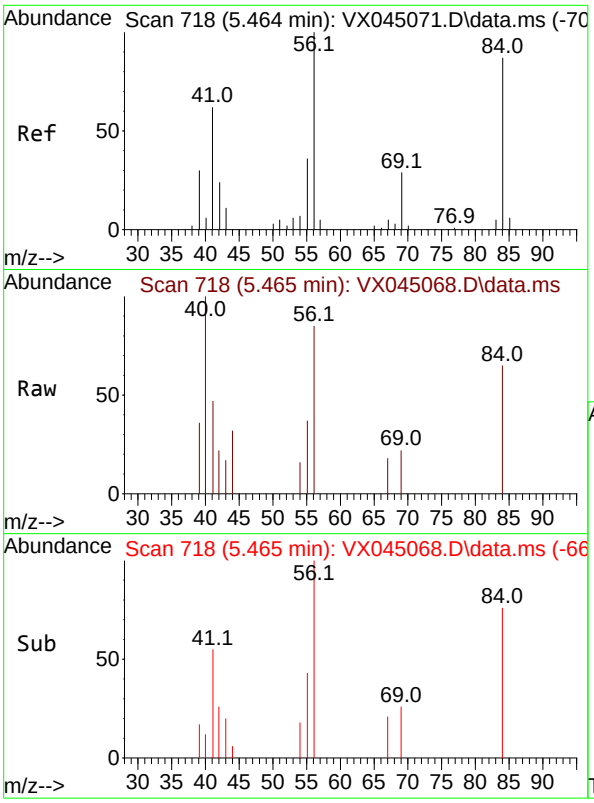


#30
Chloroform
Concen: 0.978 ug/l
RT: 5.093 min Scan# 657
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 83 Resp: 2478

Ion	Ratio	Lower	Upper
83	100		
85	58.0	51.4	77.2



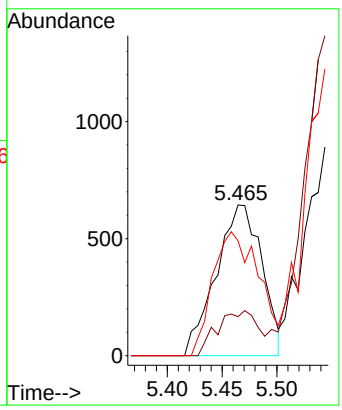


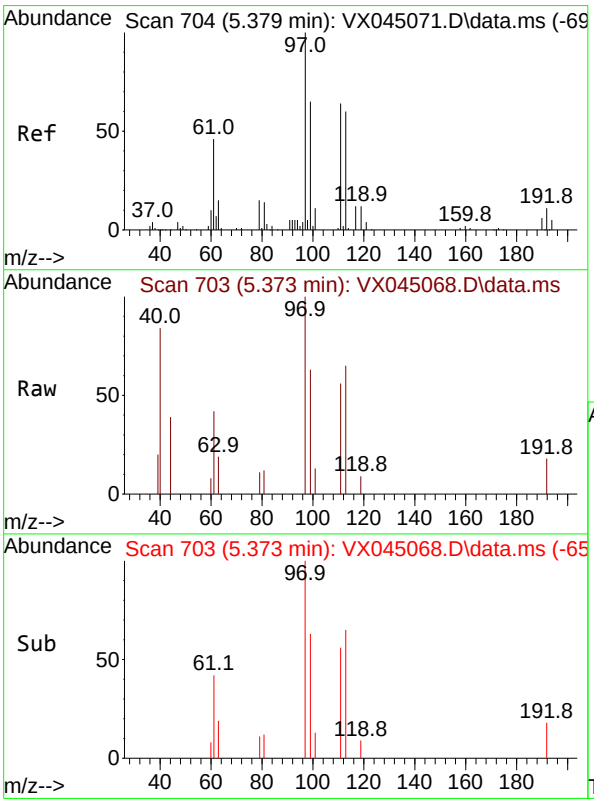
#31
Cyclohexane
Concen: 0.843 ug/l
RT: 5.465 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

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

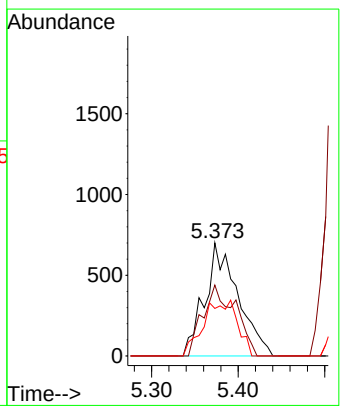


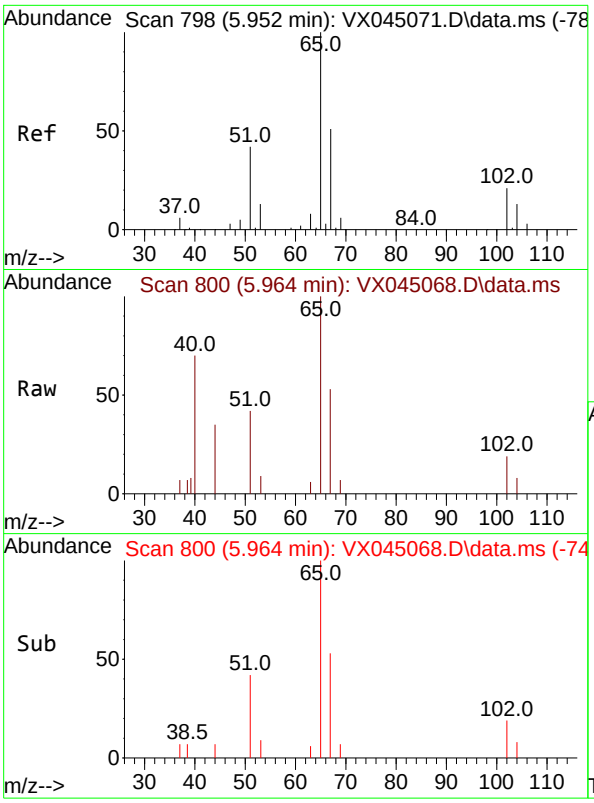


#32
1,1,1-Trichloroethane
Concen: 0.893 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

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



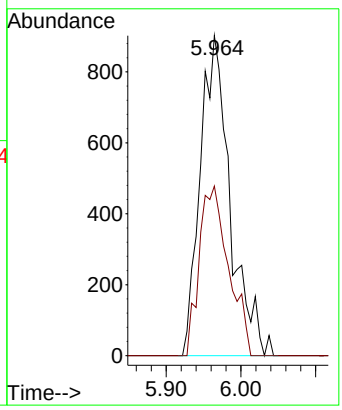


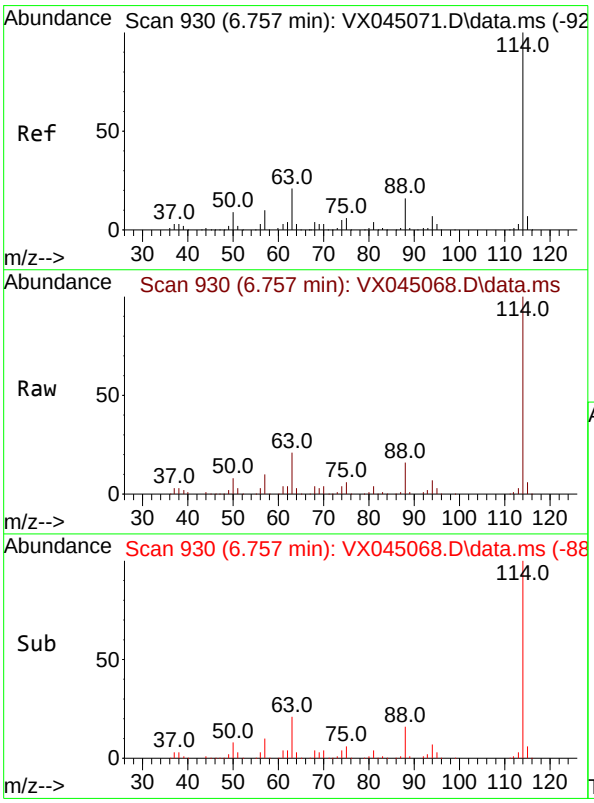
#33
1,2-Dichloroethane-d4
Concen: 1.537 ug/l
RT: 5.964 min Scan# 8
Delta R.T. 0.012 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 65 Resp: 2512

Ion	Ratio	Lower	Upper
65	100		
67	51.8	0.0	106.2

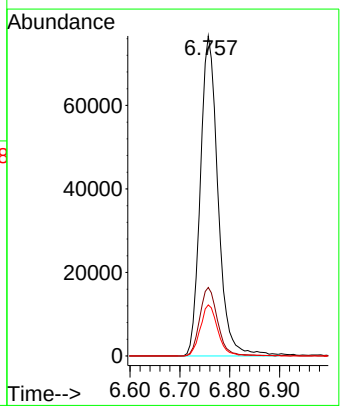


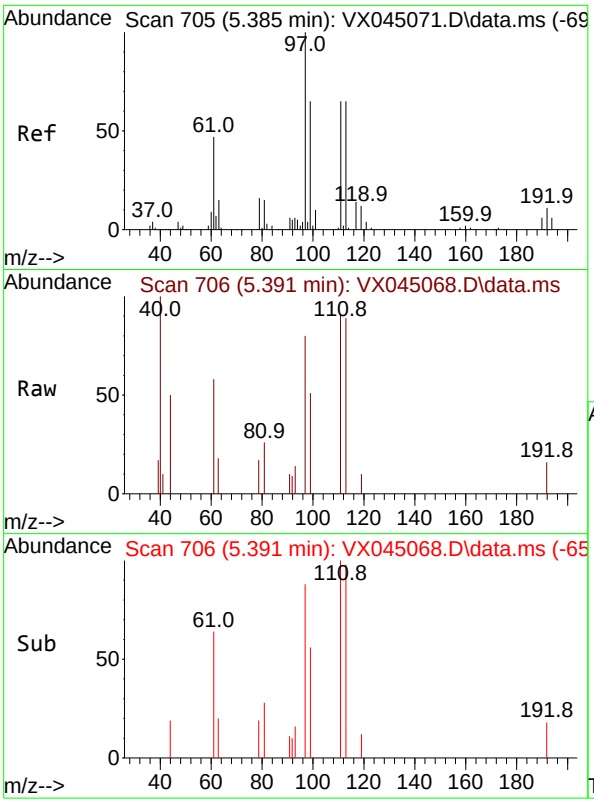


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

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



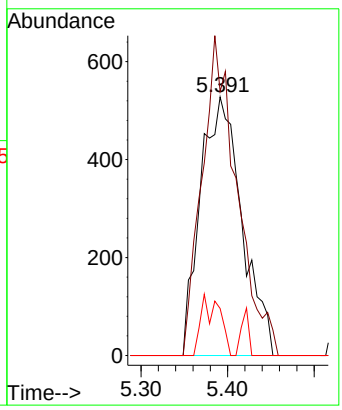


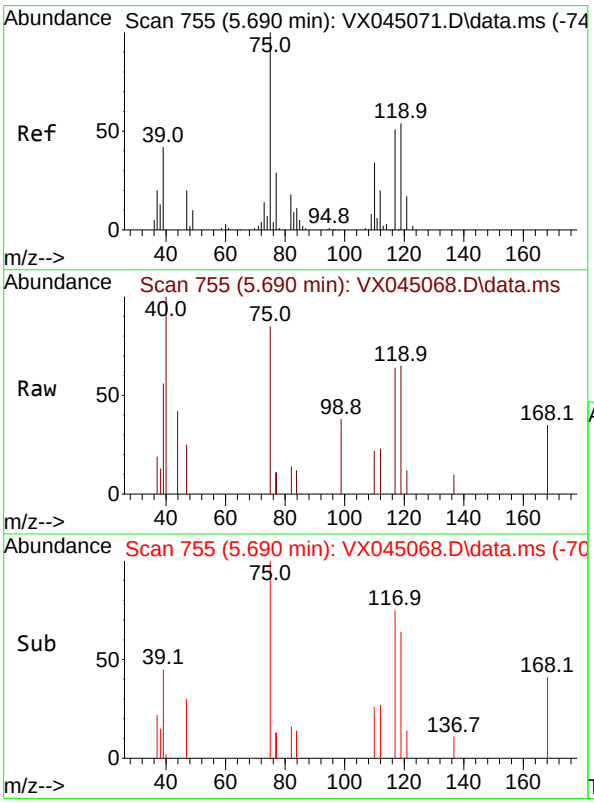
#35
Dibromofluoromethane
Concen: 1.389 ug/l
RT: 5.391 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

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#

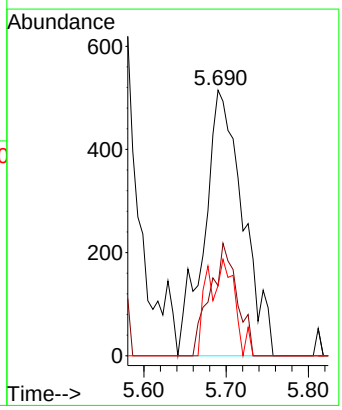


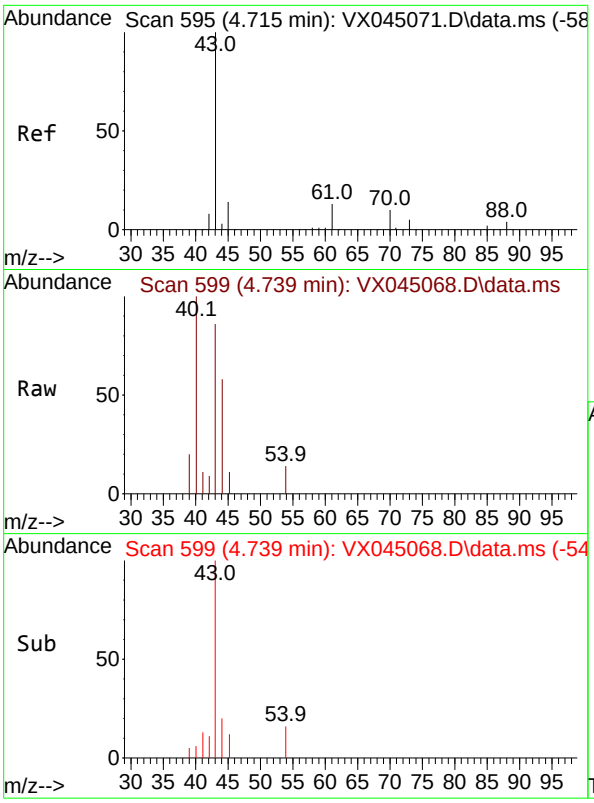


#36
1,1-Dichloropropene
Concen: 0.967 ug/l
RT: 5.690 min Scan# 755
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

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#



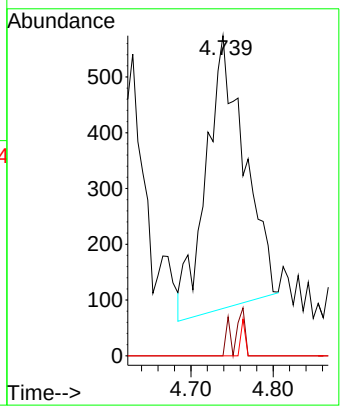


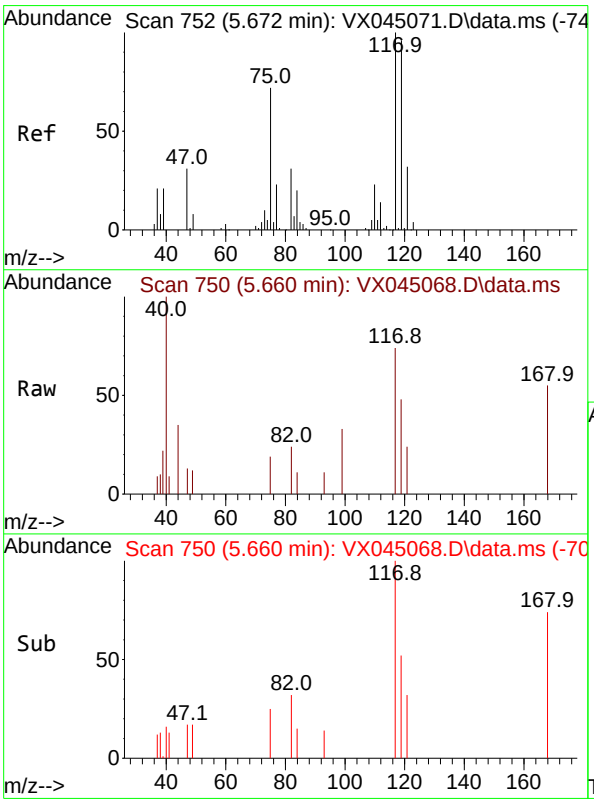
#37
Ethyl Acetate
Concen: 0.703 ug/l
RT: 4.739 min Scan# 5
Delta R.T. 0.024 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

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#

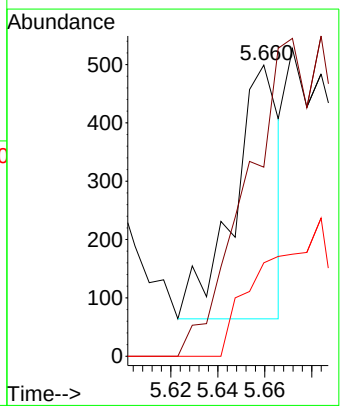


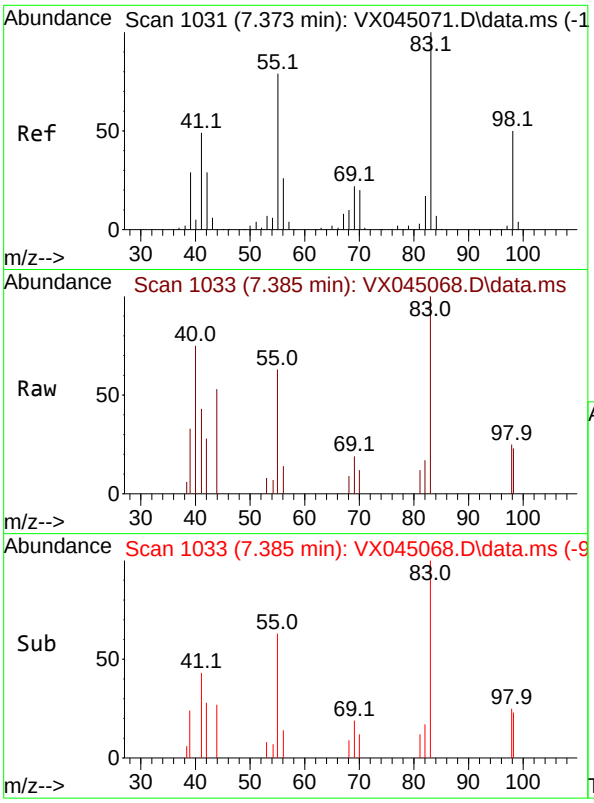


#38
Carbon Tetrachloride
Concen: 0.332 ug/l
RT: 5.660 min Scan# 750
Delta R.T. -0.012 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

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



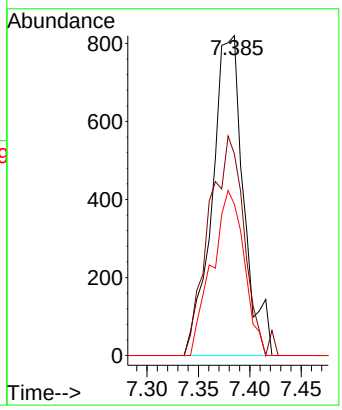


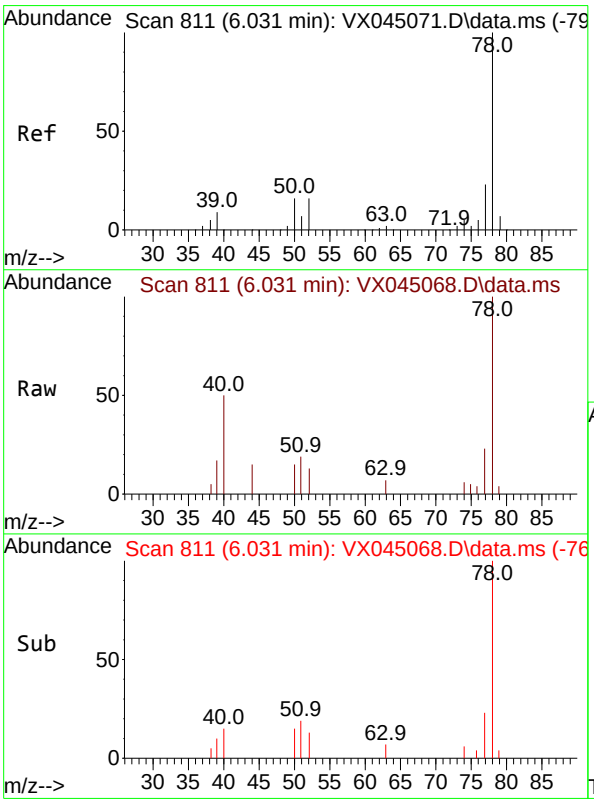
#39
Methylcyclohexane
Concen: 0.831 ug/l
RT: 7.385 min Scan# 1
Delta R.T. 0.012 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

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

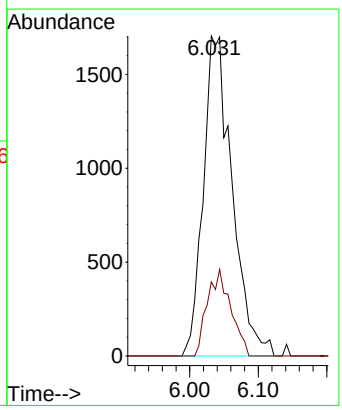


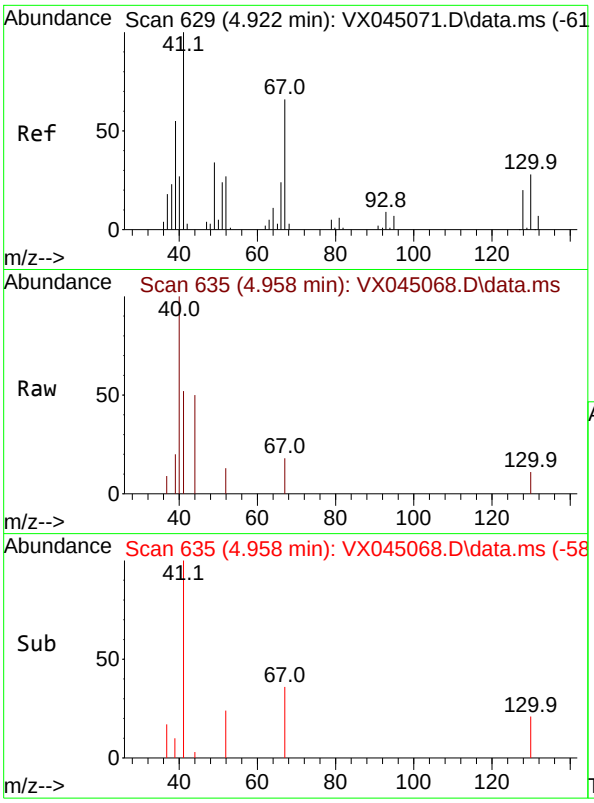


#40
Benzene
Concen: 0.907 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 78 Resp: 4984

Ion	Ratio	Lower	Upper
78	100		
77	23.2	18.8	28.2



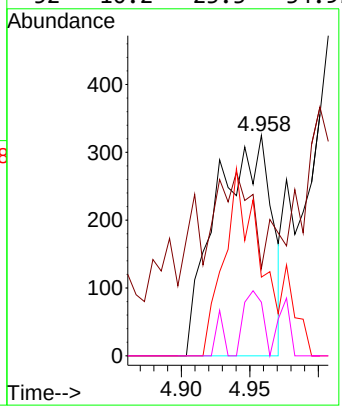


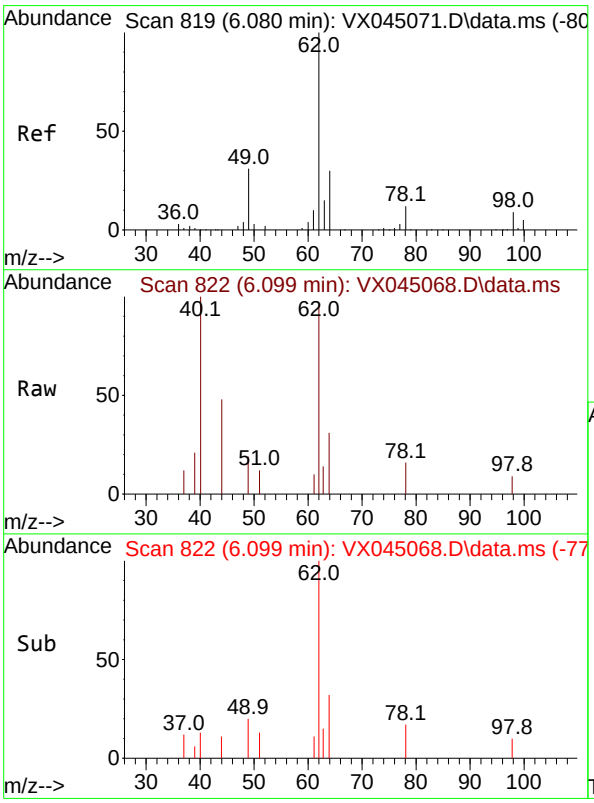
#41
Methacrylonitrile
Concen: 0.748 ug/l
RT: 4.958 min Scan# 6
Delta R.T. 0.037 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

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#

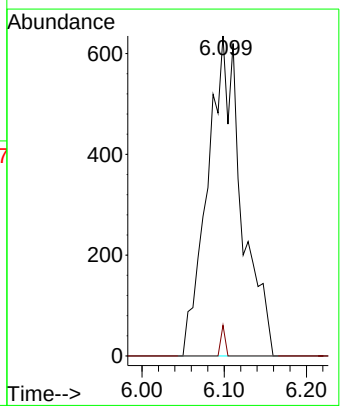


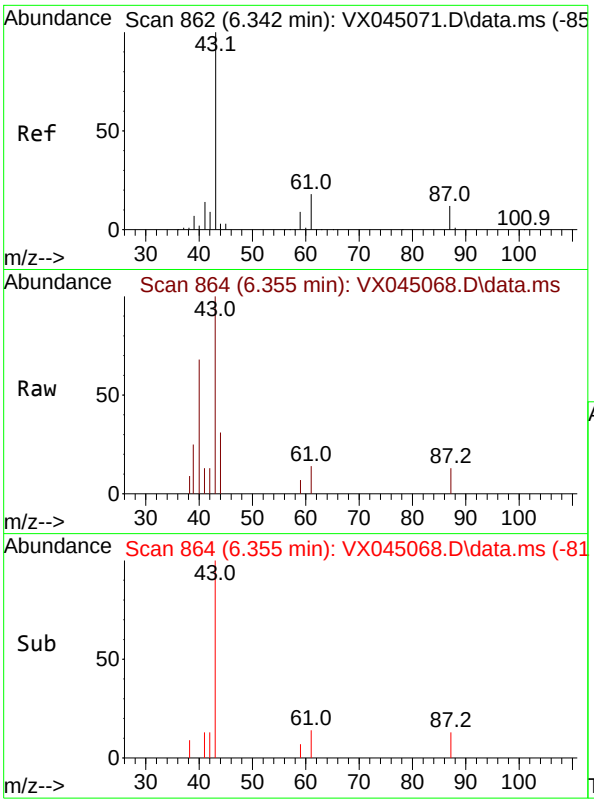


#42
1,2-Dichloroethane
Concen: 0.924 ug/l
RT: 6.099 min Scan# 822
Delta R.T. 0.018 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 62 Resp: 1837

Ion	Ratio	Lower	Upper
62	100		
98	1.2	0.0	18.2



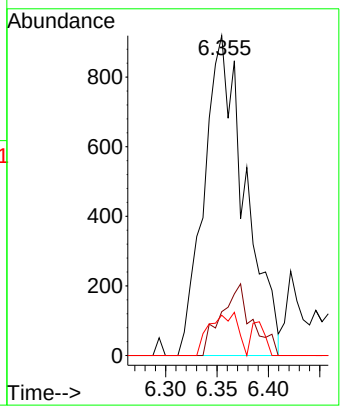


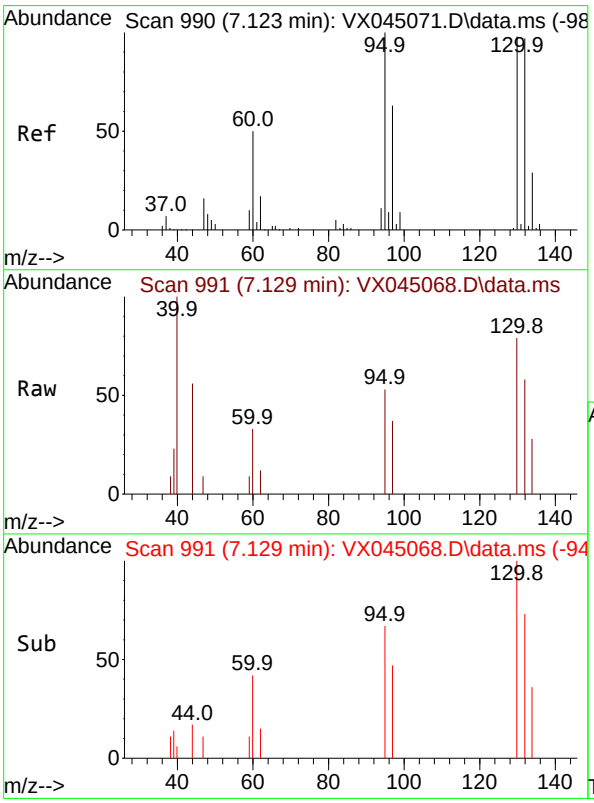
#43
Isopropyl Acetate
Concen: 0.767 ug/l
RT: 6.355 min Scan# 8
Delta R.T. 0.012 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

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#

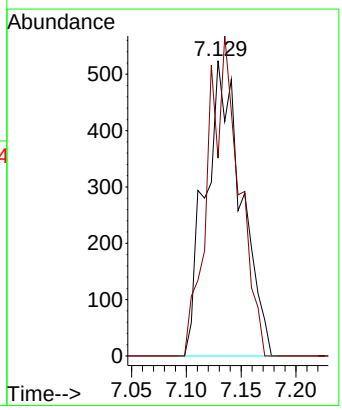


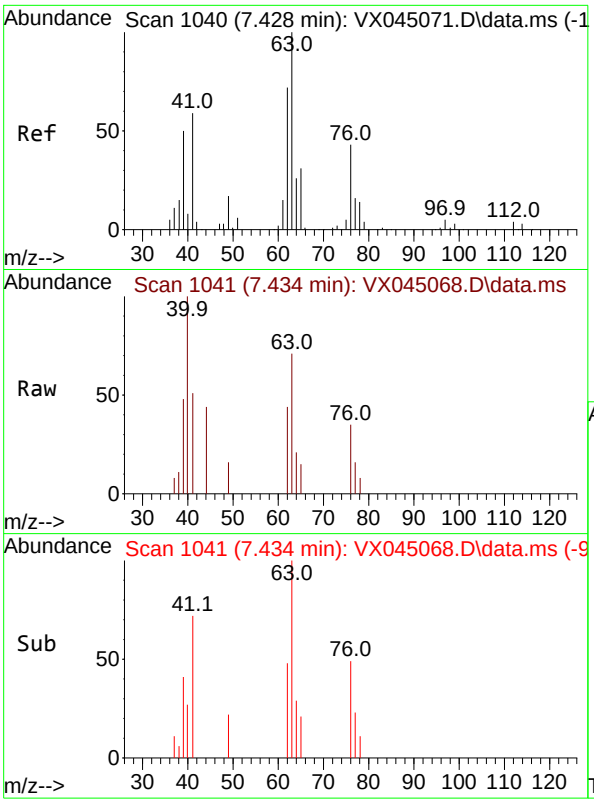


#44
Trichloroethene
Concen: 0.933 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:130 Resp: 1202

Ion	Ratio	Lower	Upper
130	100		
95	67.0	0.0	205.0



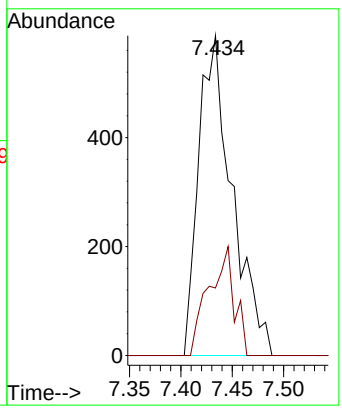


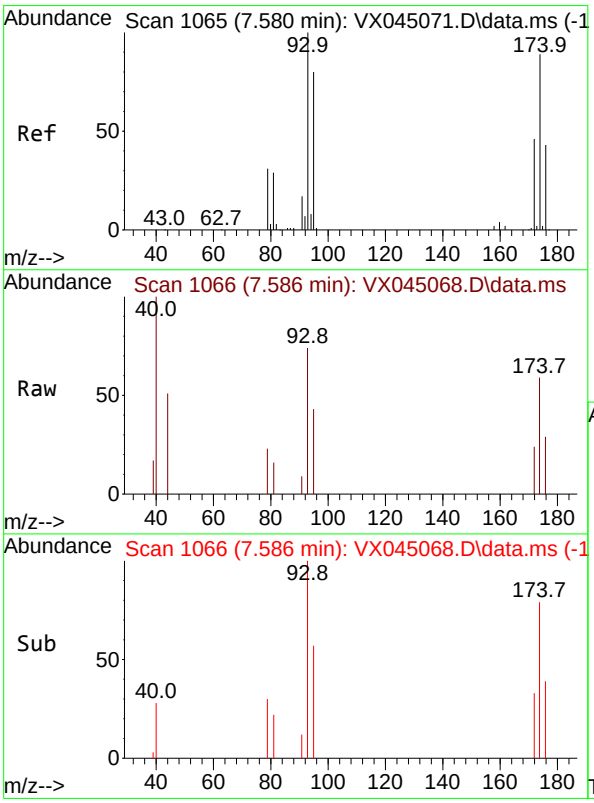
#45
1,2-Dichloropropane
Concen: 0.971 ug/l
RT: 7.434 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 63 Resp: 1334

Ion	Ratio	Lower	Upper
63	100		
65	21.1	24.7	37.1#

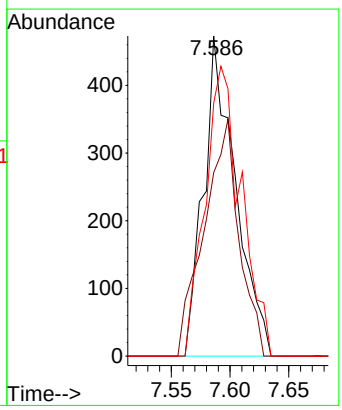


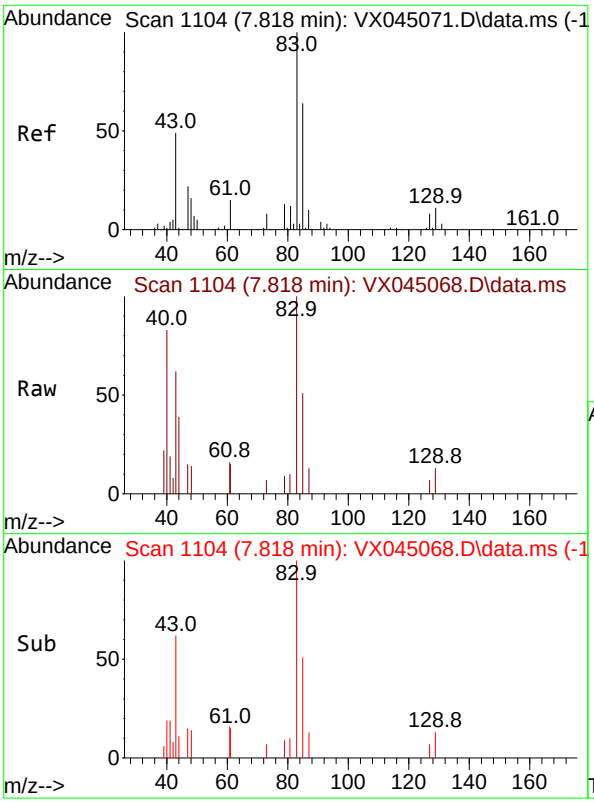


#46
Dibromomethane
Concen: 0.897 ug/l
RT: 7.586 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

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



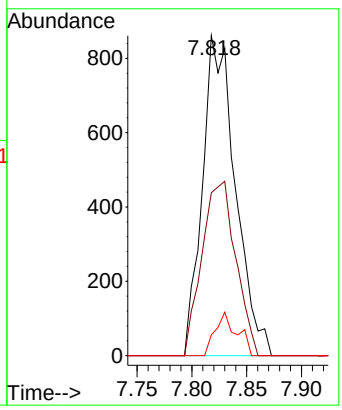


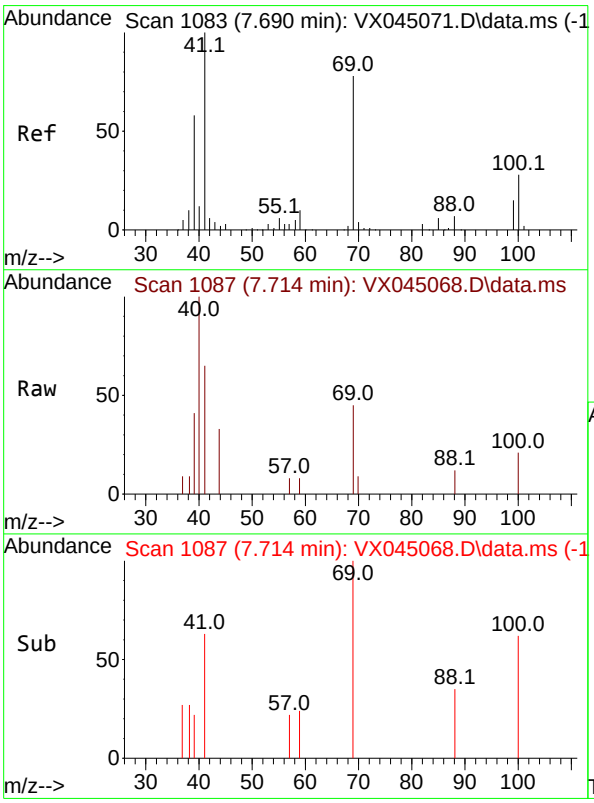
#47
Bromodichloromethane
Concen: 0.927 ug/l
RT: 7.818 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

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

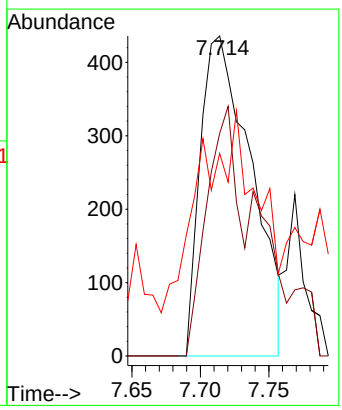


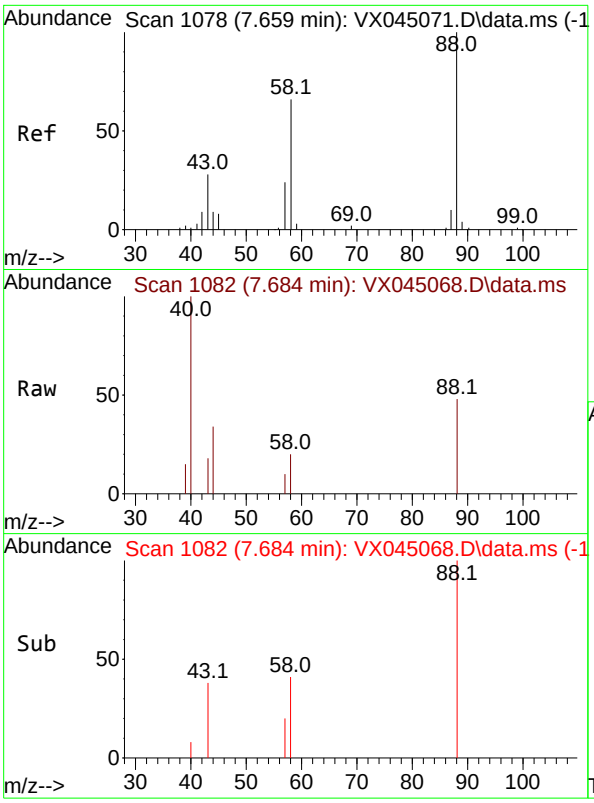


#48
Methyl methacrylate
Concen: 0.699 ug/l
RT: 7.714 min Scan# 1087
Delta R.T. 0.024 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

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#



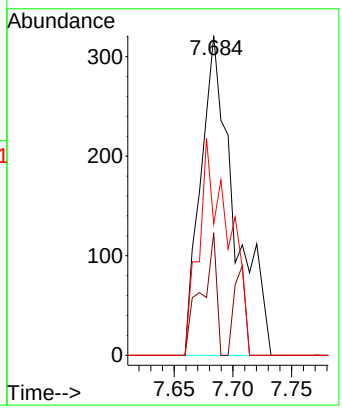


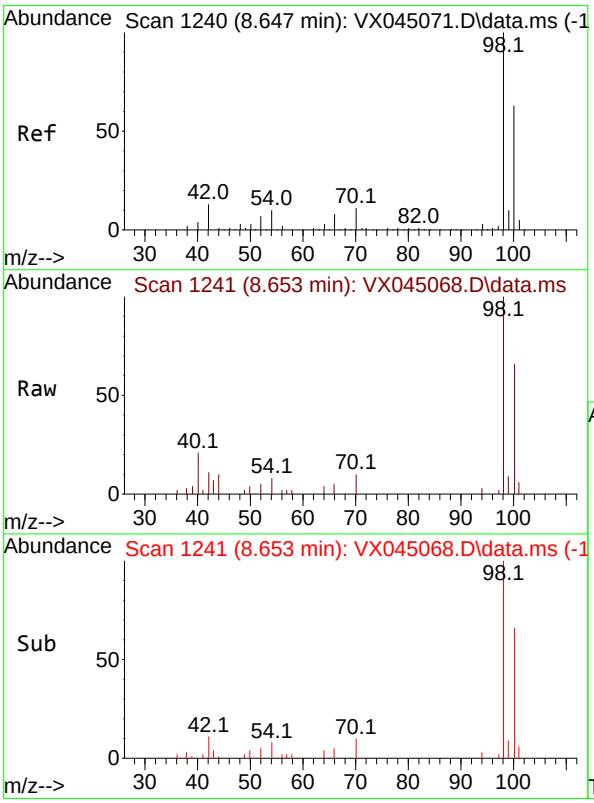
#49
1,4-Dioxane
Concen: 18.144 ug/l
RT: 7.684 min Scan# 1
Delta R.T. 0.024 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

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

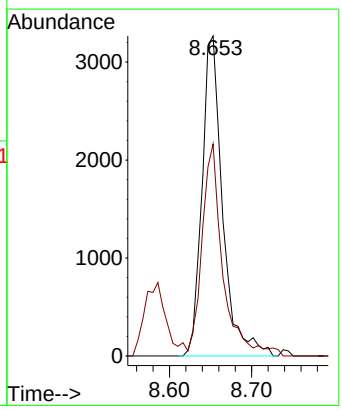


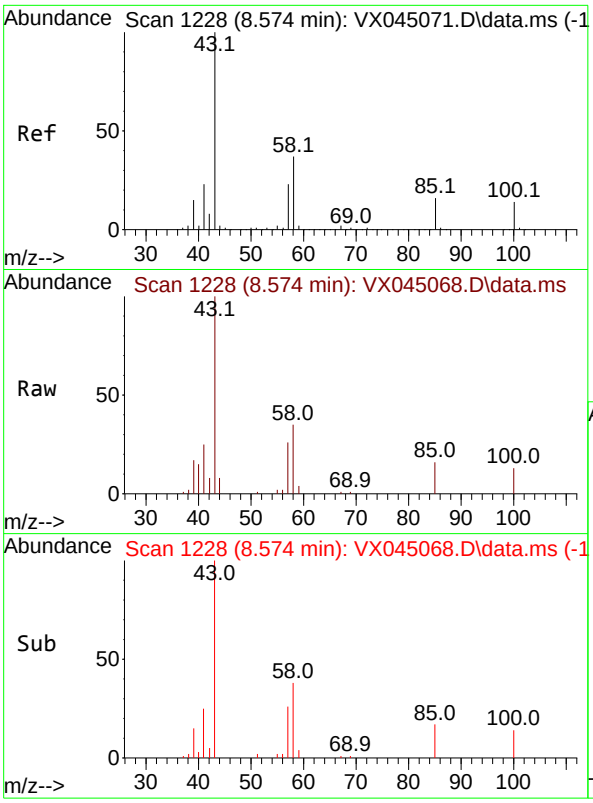


#50
Toluene-d8
Concen: 1.244 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 98 Resp: 5691

Ion	Ratio	Lower	Upper
98	100		
100	66.5	52.0	78.0



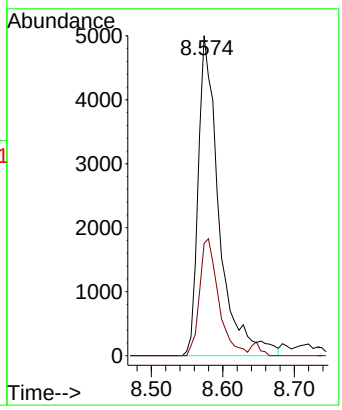


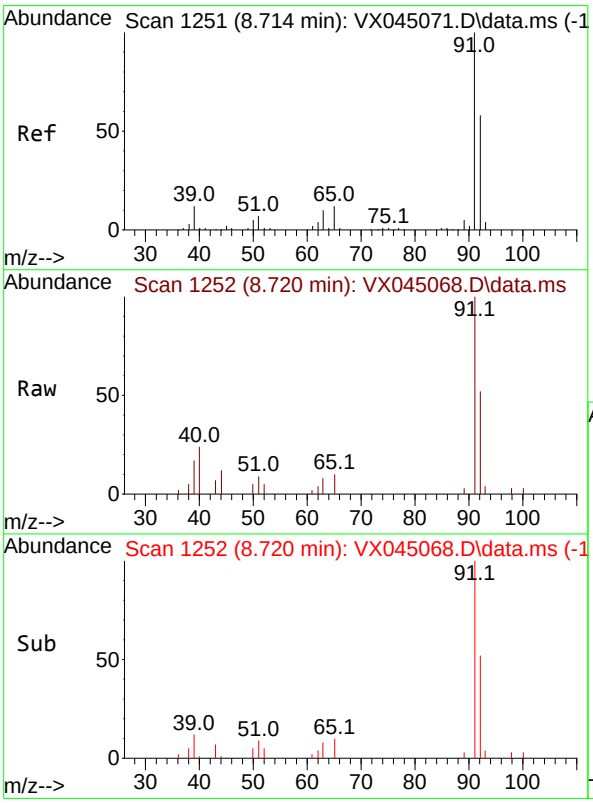
#51
4-Methyl-2-Pentanone
Concen: 4.567 ug/l
RT: 8.574 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 10091

Ion	Ratio	Lower	Upper
43	100		
58	33.5	29.2	43.8

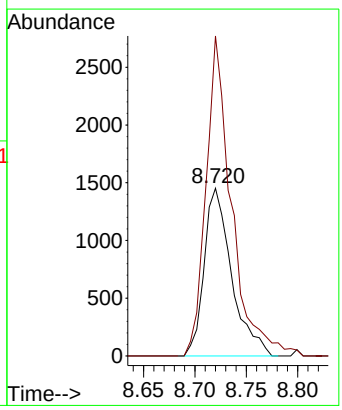


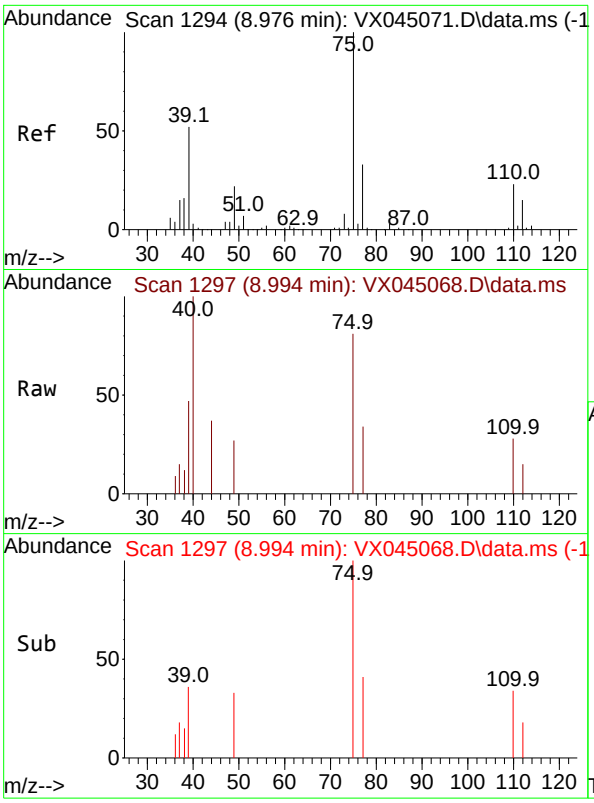


#52
Toluene
Concen: 0.841 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 92 Resp: 2700

Ion	Ratio	Lower	Upper
92	100		
91	177.7	138.9	208.3



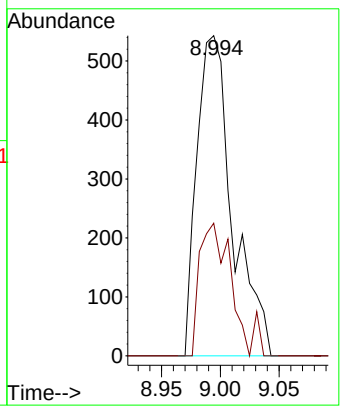


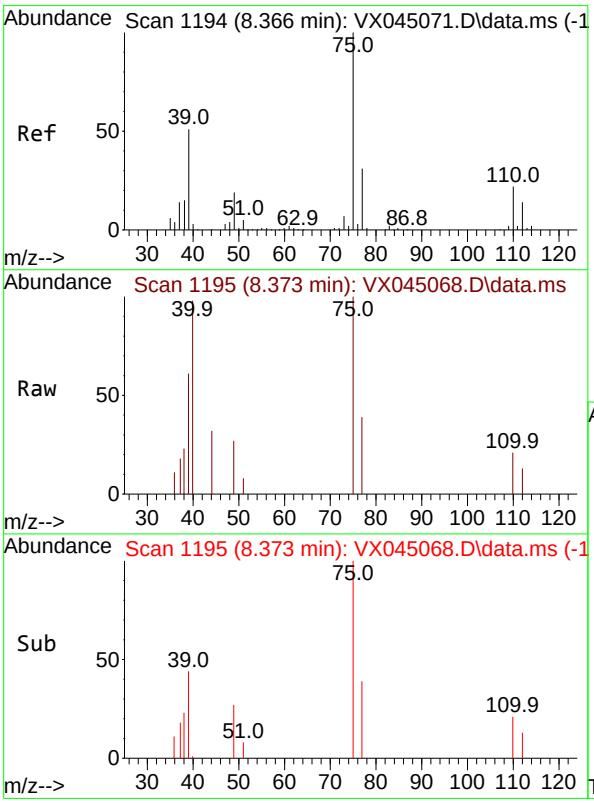
#53
t-1,3-Dichloropropene
Concen: 0.700 ug/l
RT: 8.994 min Scan# 1
Delta R.T. 0.018 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 75 Resp: 1147

Ion	Ratio	Lower	Upper
75	100		
77	41.4	26.5	39.7#

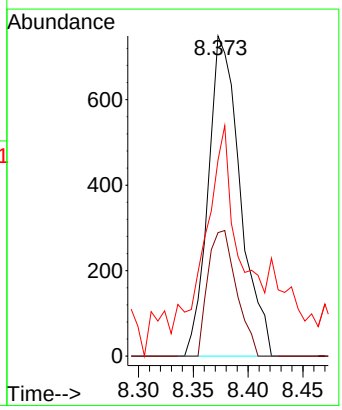


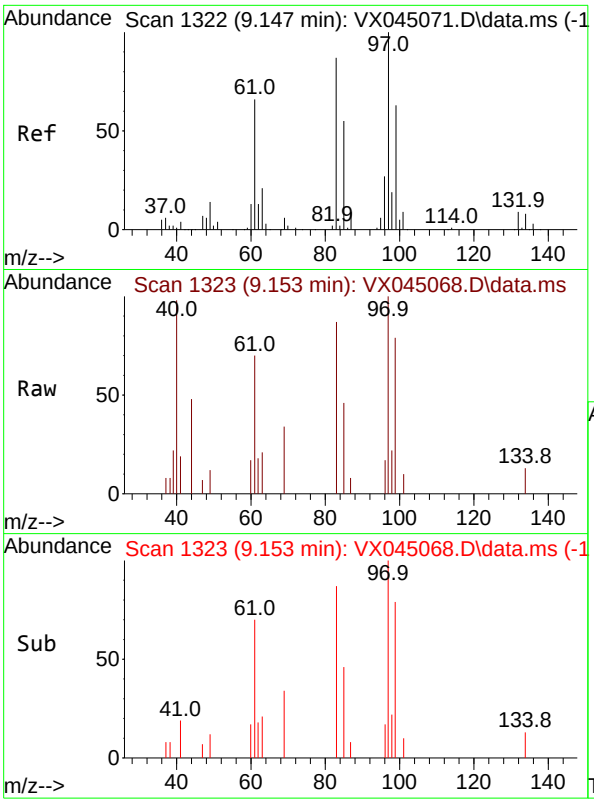


#54
cis-1,3-Dichloropropene
Concen: 0.804 ug/l
RT: 8.373 min Scan# 1195
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

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



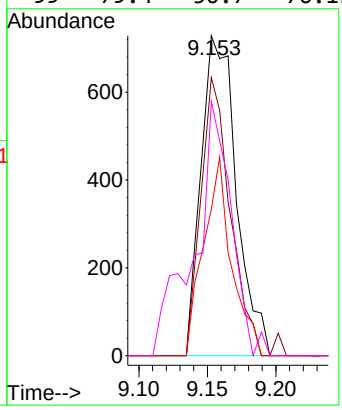


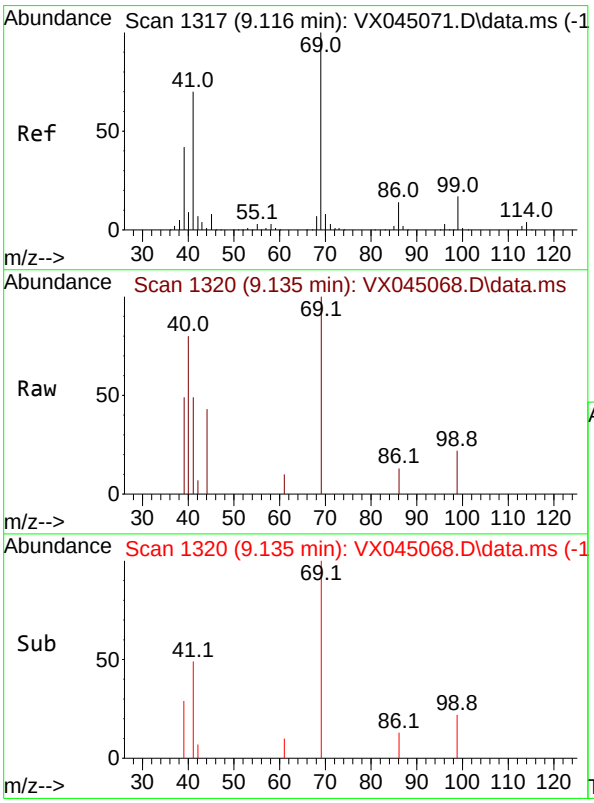
#55
1,1,2-Trichloroethane
Concen: 1.004 ug/l
RT: 9.153 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

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#

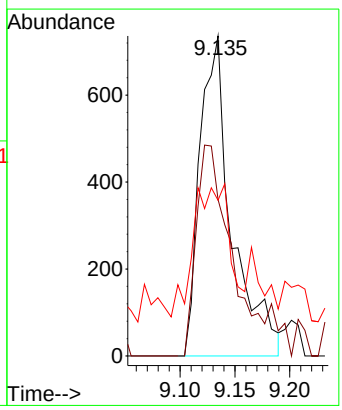


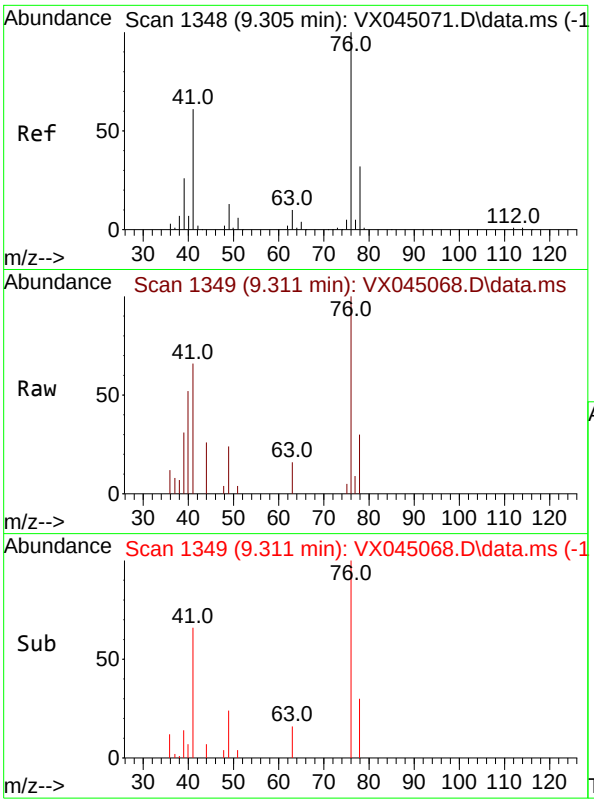


#56
Ethyl methacrylate
Concen: 0.748 ug/l
RT: 9.135 min Scan# 1320
Delta R.T. 0.018 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

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#



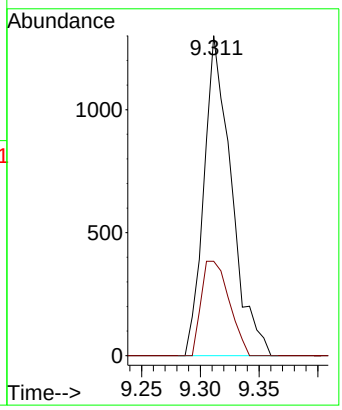


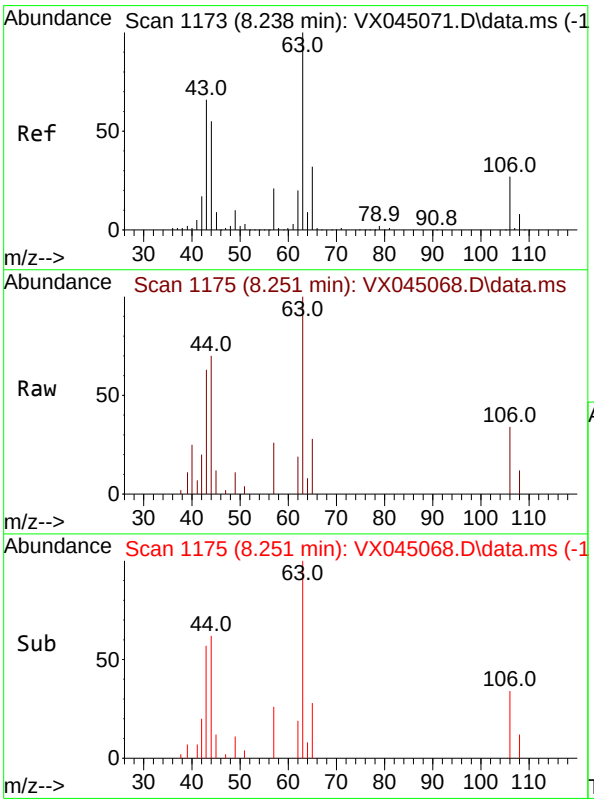
#57
1,3-Dichloropropane
Concen: 0.920 ug/l
RT: 9.311 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 76 Resp: 2112

Ion	Ratio	Lower	Upper
76	100		
78	30.1	25.5	38.3

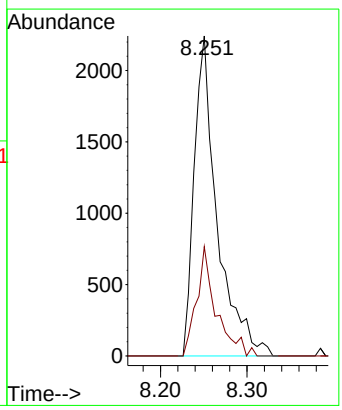


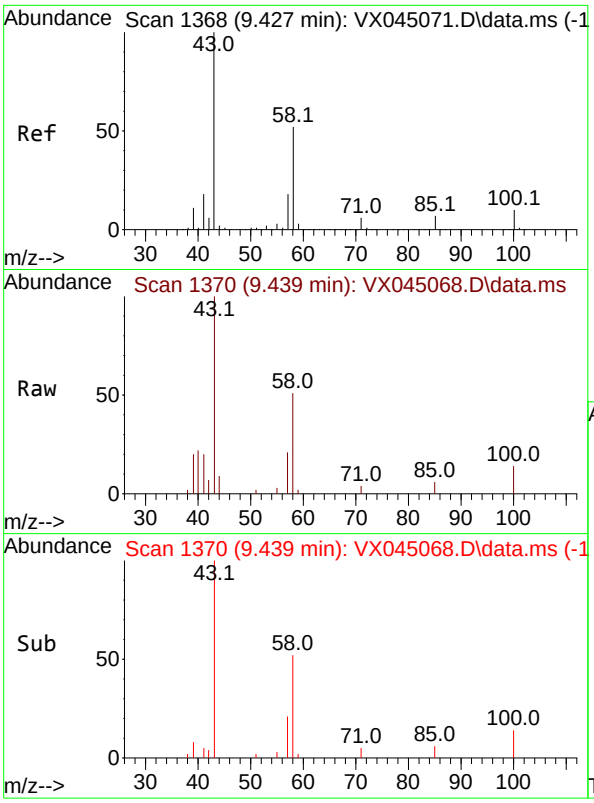


#58
2-Chloroethyl Vinyl ether
Concen: 4.320 ug/l
RT: 8.251 min Scan# 1175
Delta R.T. 0.012 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 63 Resp: 4115

Ion	Ratio	Lower	Upper
63	100		
106	29.2	21.5	32.3



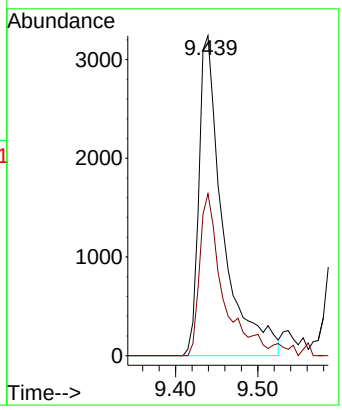


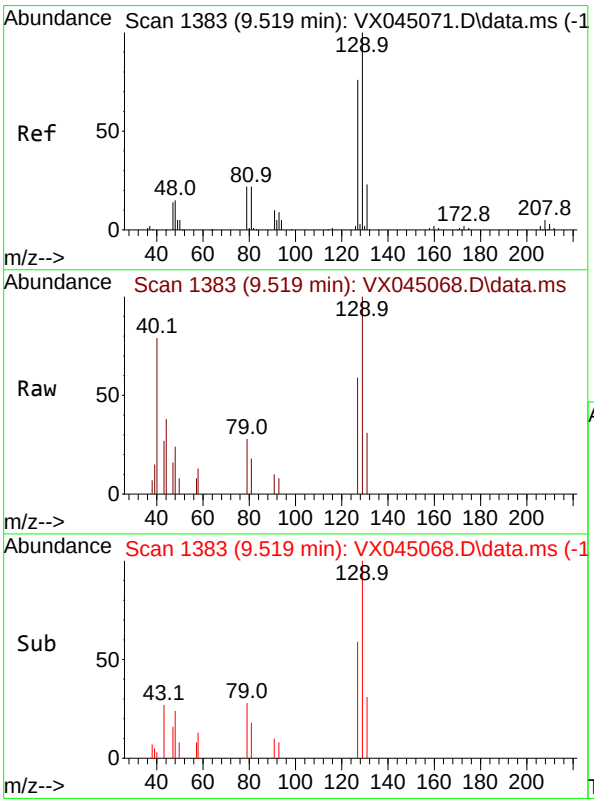
#59
2-Hexanone
Concen: 4.153 ug/l
RT: 9.439 min Scan# 1
Delta R.T. 0.012 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 6582

Ion	Ratio	Lower	Upper
43	100		
58	48.7	25.9	77.6

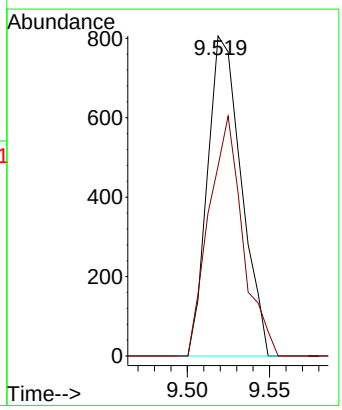


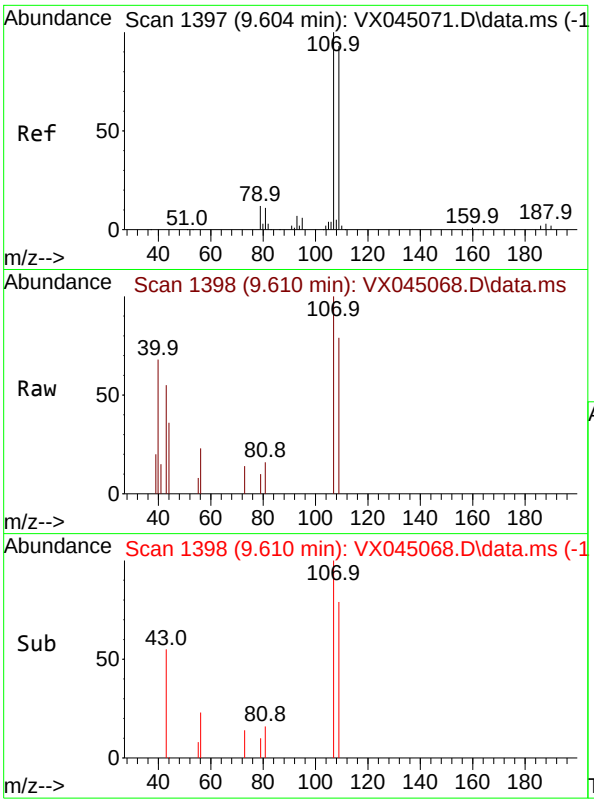


#60
Dibromochloromethane
Concen: 0.835 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:129 Resp: 1152

Ion	Ratio	Lower	Upper
129	100		
127	75.2	38.5	115.5



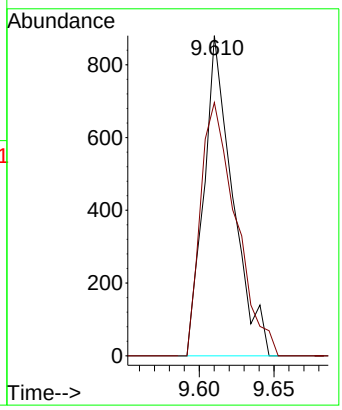


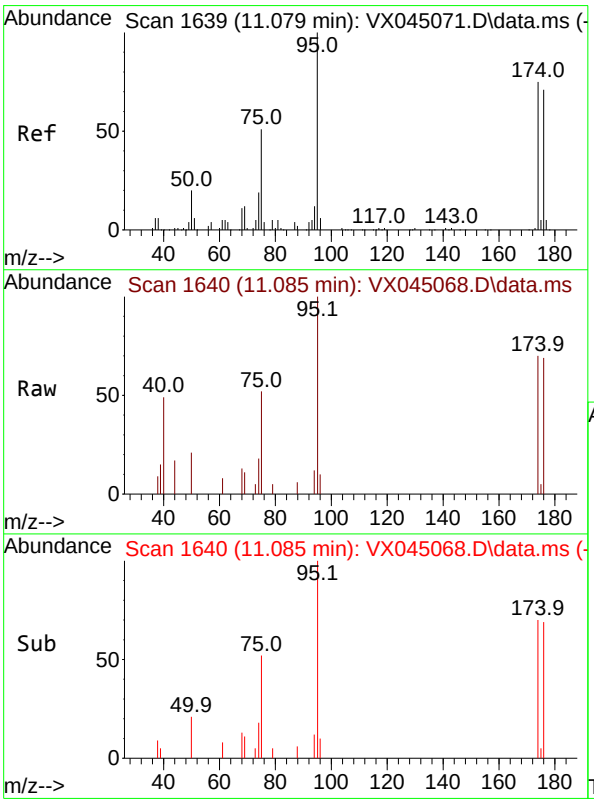
#61
1,2-Dibromoethane
Concen: 0.890 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:107 Resp: 1174

Ion	Ratio	Lower	Upper
107	100		
109	97.6	76.1	114.1

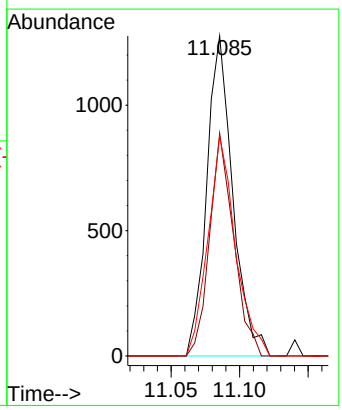


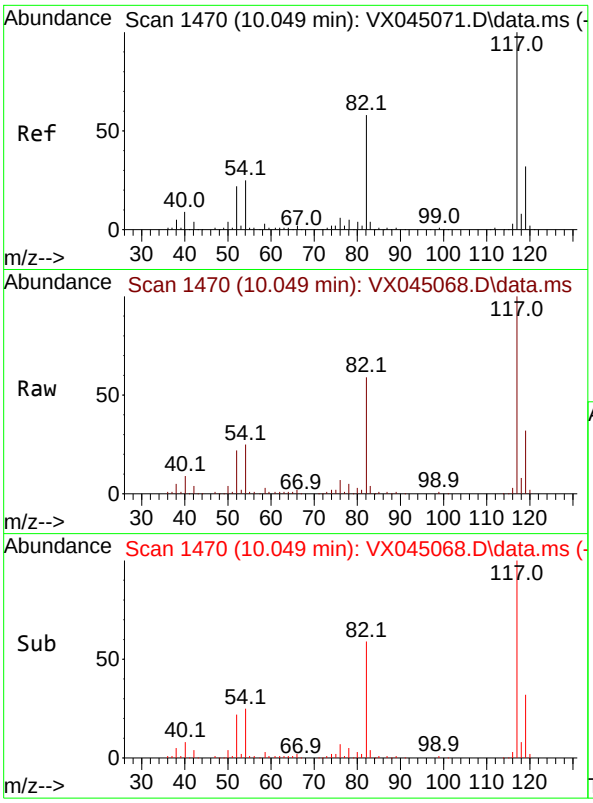


#62
4-Bromofluorobenzene
Concen: 1.112 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

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



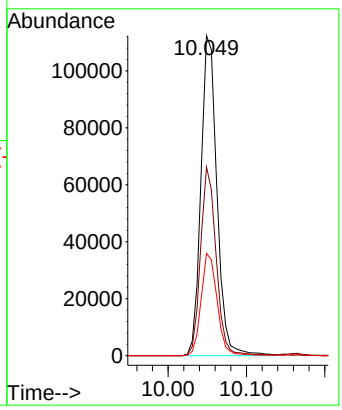


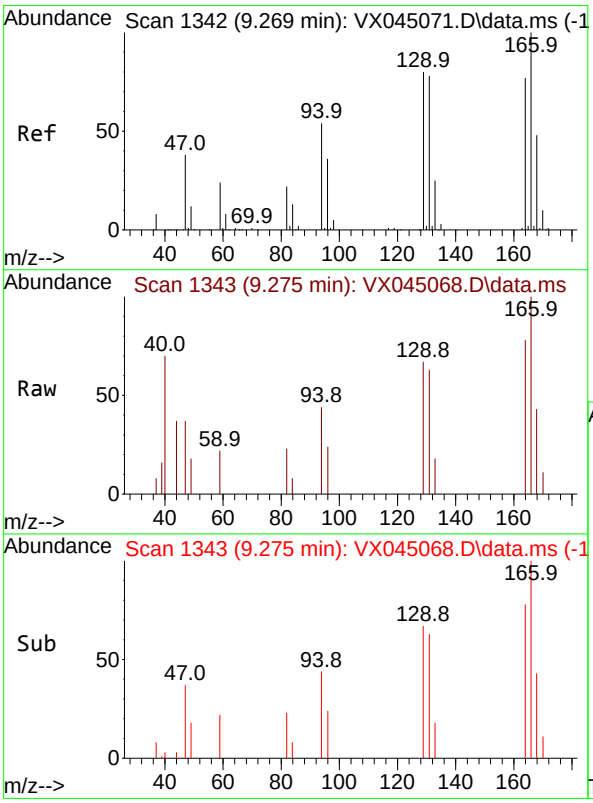
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

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

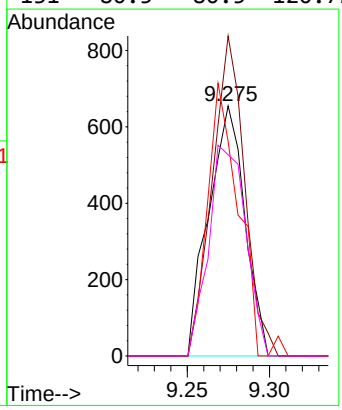


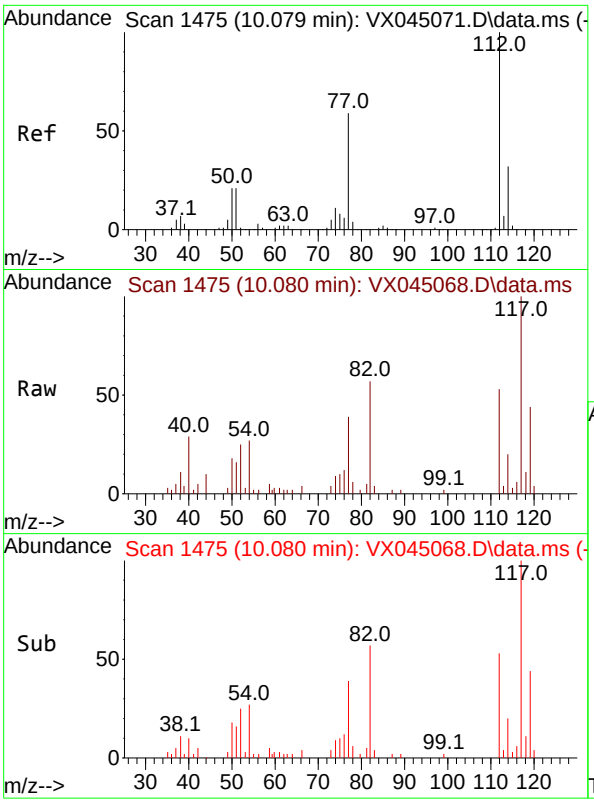


#64
Tetrachloroethene
Concen: 0.986 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

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#



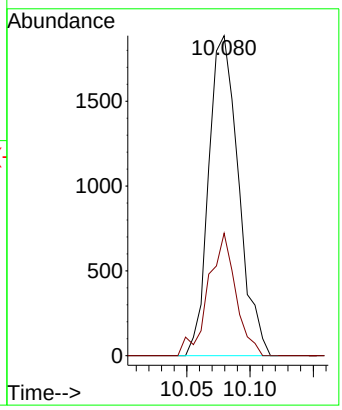


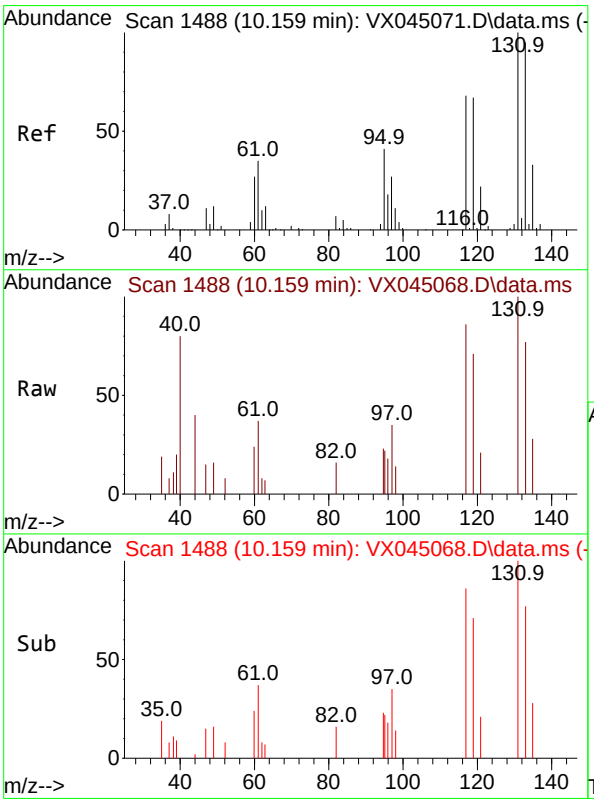
#65
Chlorobenzene
Concen: 0.908 ug/l
RT: 10.080 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:112 Resp: 3094

Ion	Ratio	Lower	Upper
112	100		
114	38.3	26.0	39.0

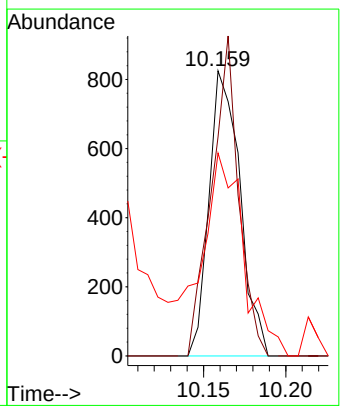


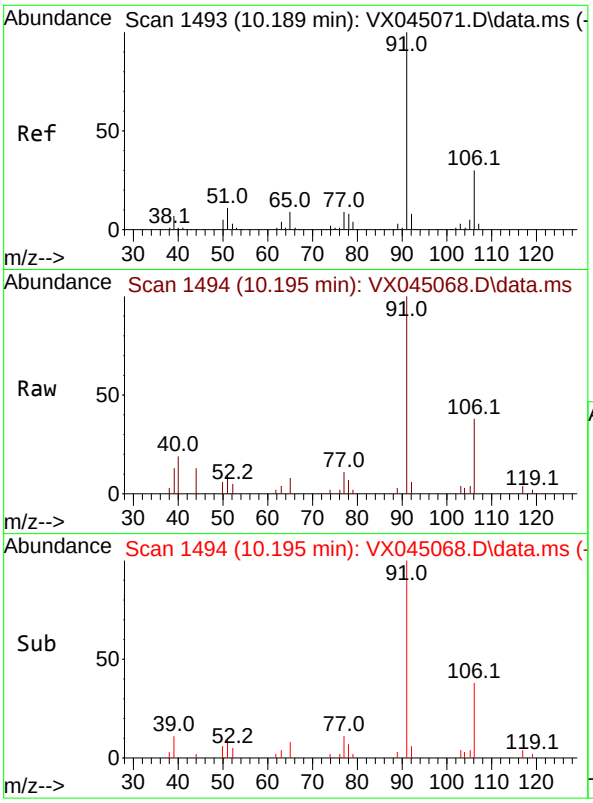


#66
1,1,1,2-Tetrachloroethane
Concen: 0.978 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

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#



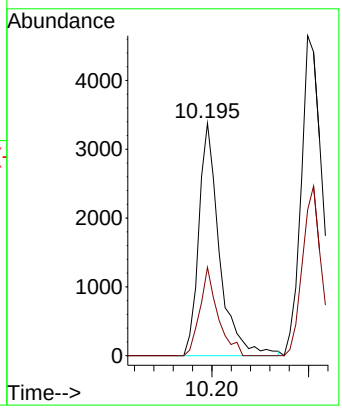


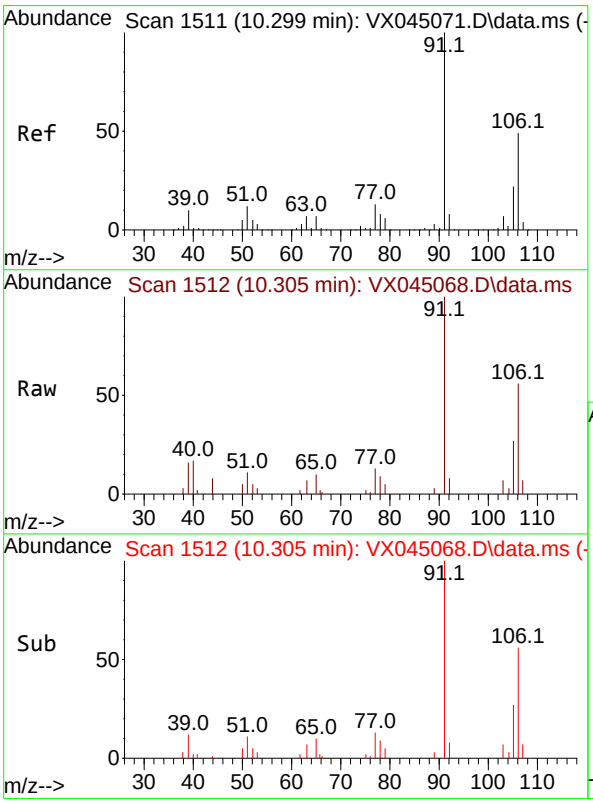
#67
Ethyl Benzene
Concen: 0.846 ug/l
RT: 10.195 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 91 Resp: 5008

Ion	Ratio	Lower	Upper
91	100		
106	38.0	23.9	35.9#

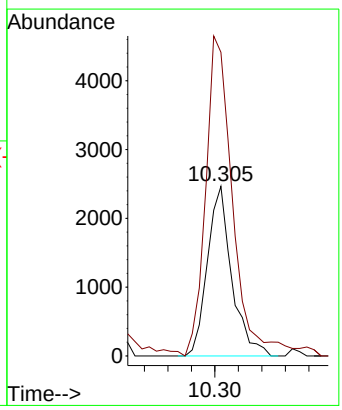


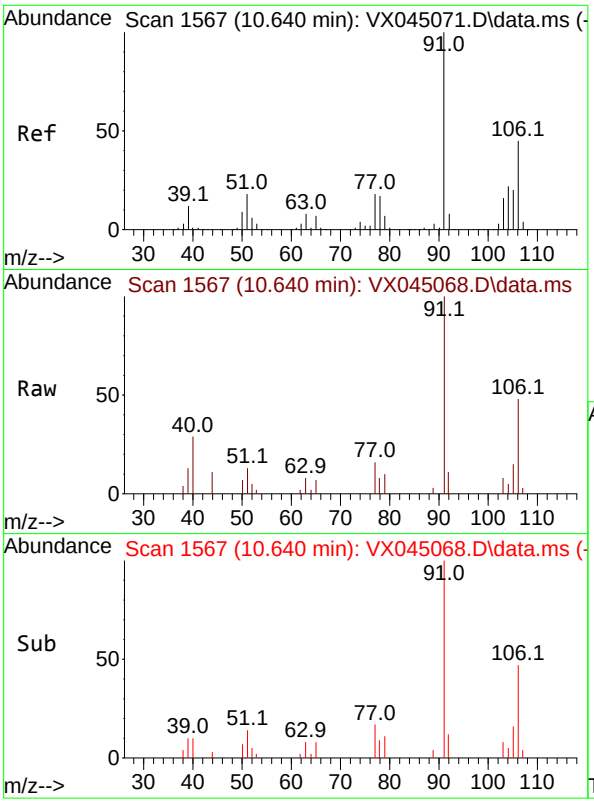


#68
m/p-Xylenes
Concen: 1.630 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:106 Resp: 3552

Ion	Ratio	Lower	Upper
106	100		
91	211.2	165.4	248.0



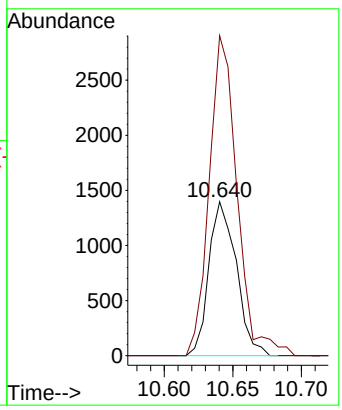


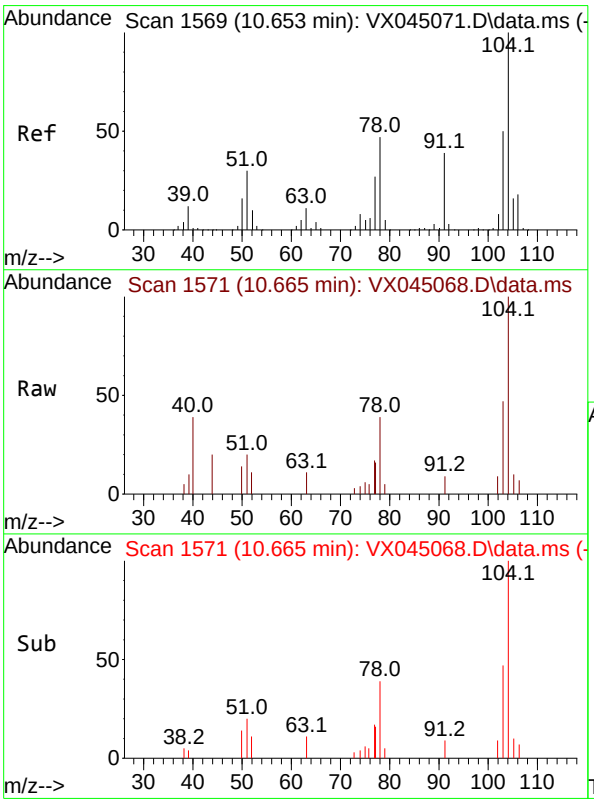
#69
o-Xylene
Concen: 0.891 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:106 Resp: 1949

Ion	Ratio	Lower	Upper
106	100		
91	211.0	109.9	329.6

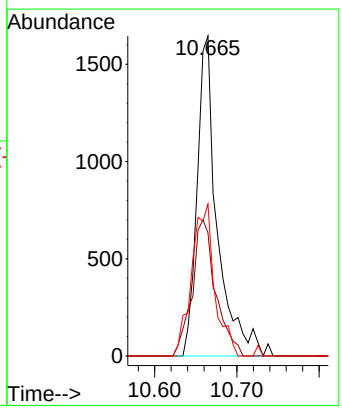


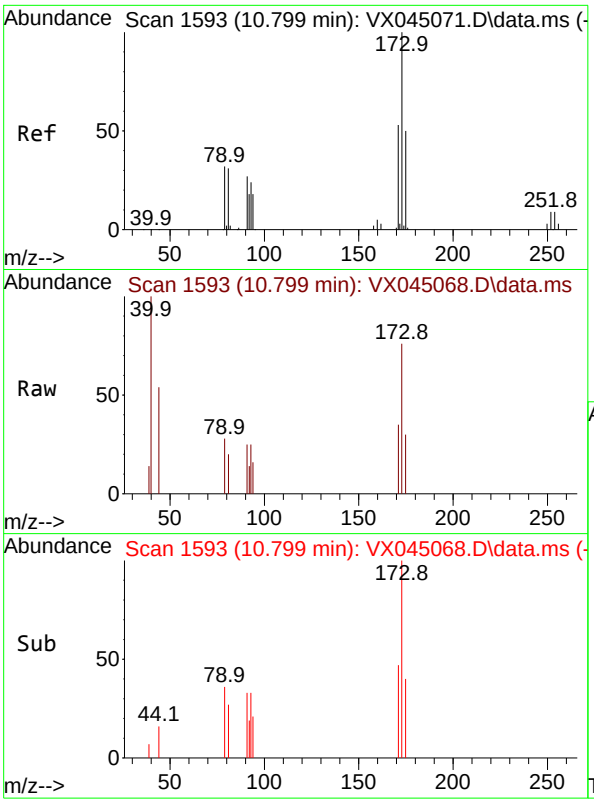


#70
Styrene
Concen: 0.802 ug/l
RT: 10.665 min Scan# 1571
Delta R.T. 0.012 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

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



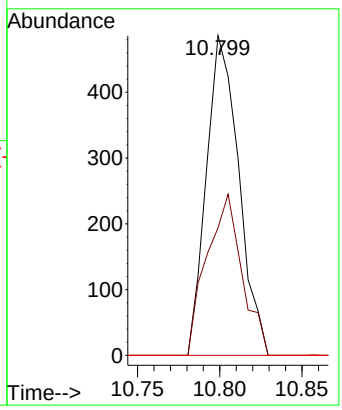


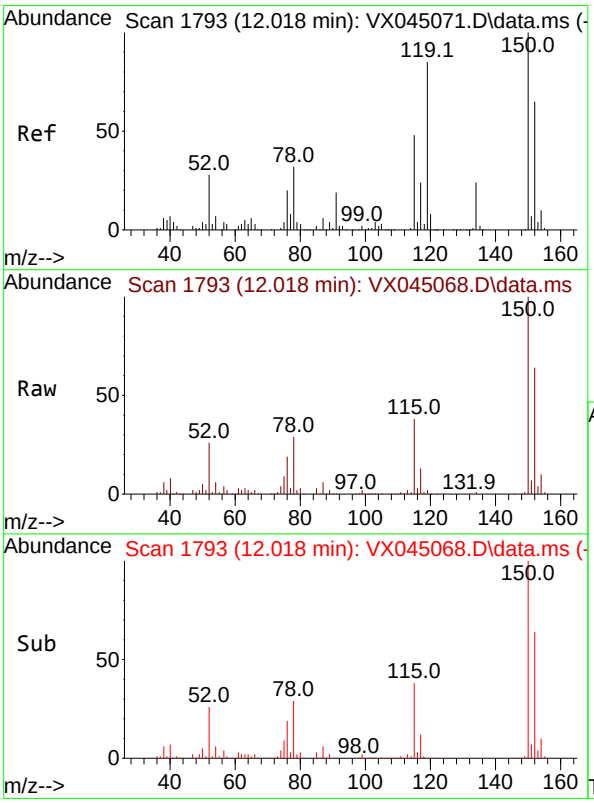
#71
Bromoform
Concen: 0.768 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

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

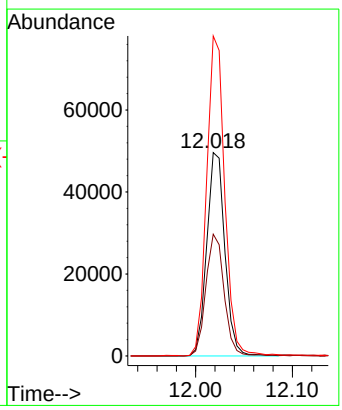


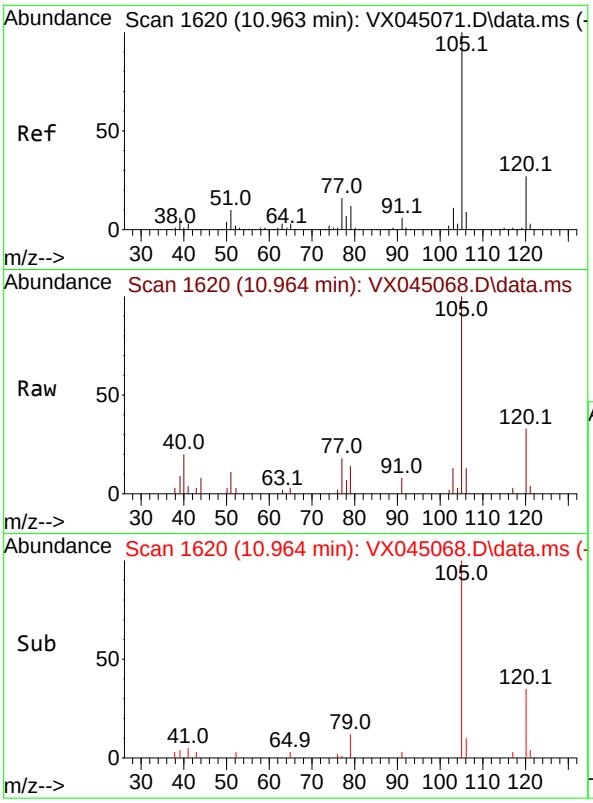


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

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



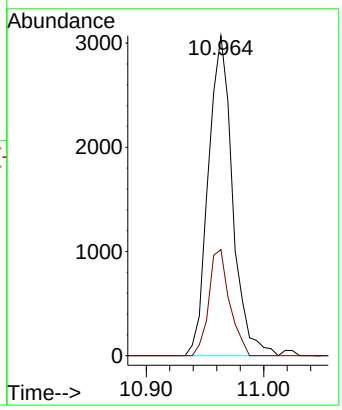


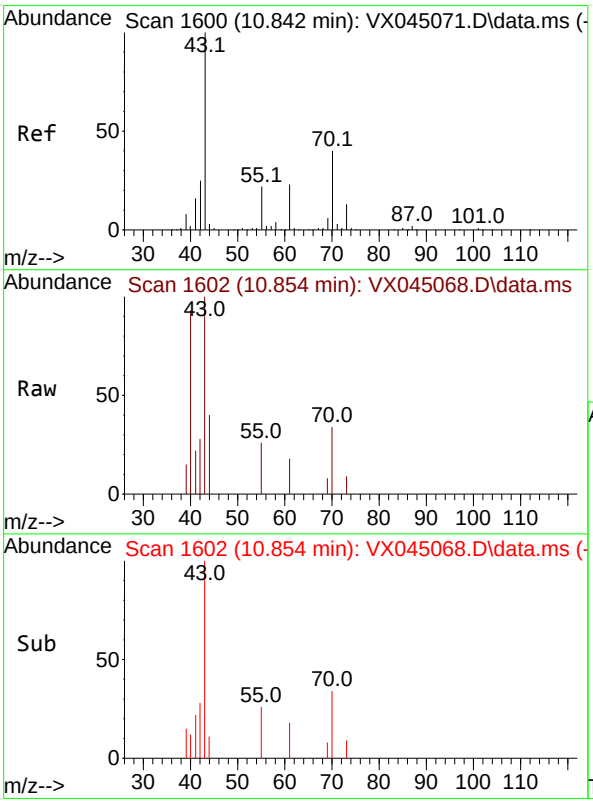
#73
Isopropylbenzene
Concen: 0.858 ug/l
RT: 10.964 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:105 Resp: 4405

Ion	Ratio	Lower	Upper
105	100		
120	28.5	13.2	39.5

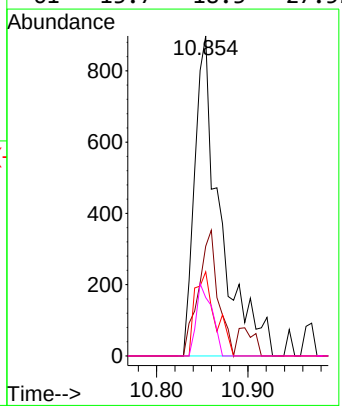


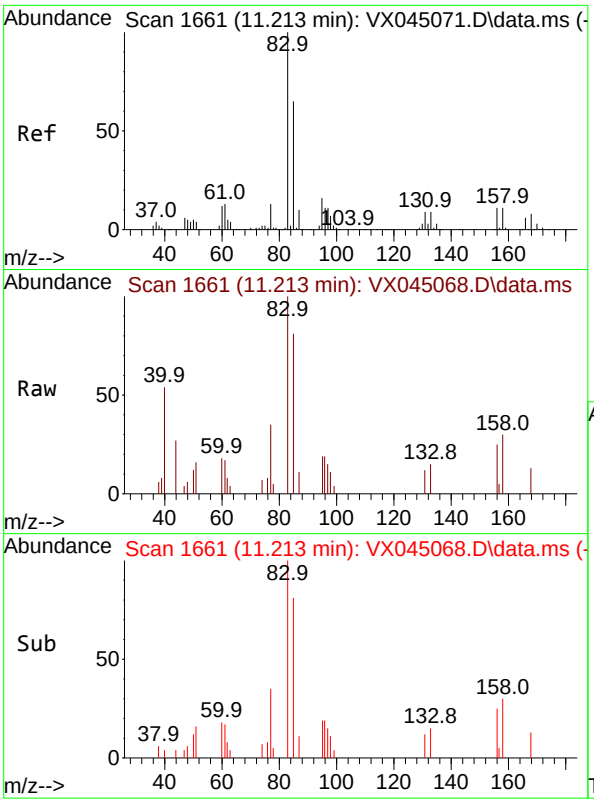


#74
N-amyl acetate
Concen: 0.732 ug/l
RT: 10.854 min Scan# 1602
Delta R.T. 0.012 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

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#



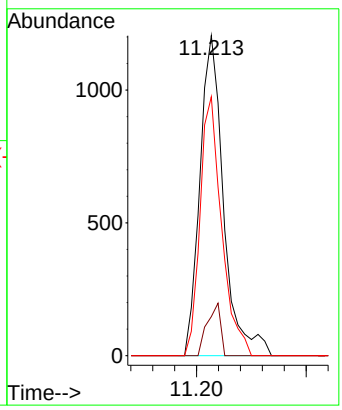


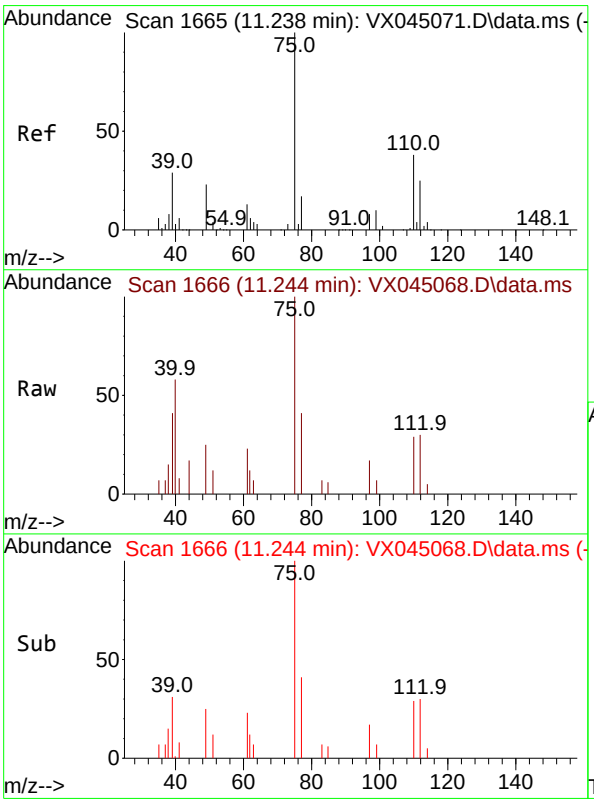
#75
1,1,2,2-Tetrachloroethane
Concen: 0.954 ug/l
RT: 11.213 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

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

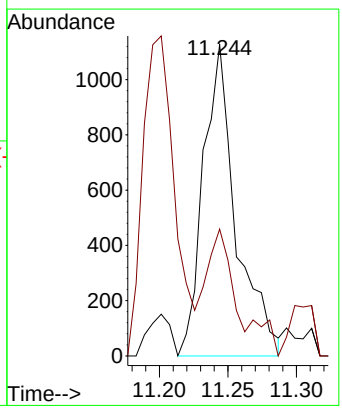


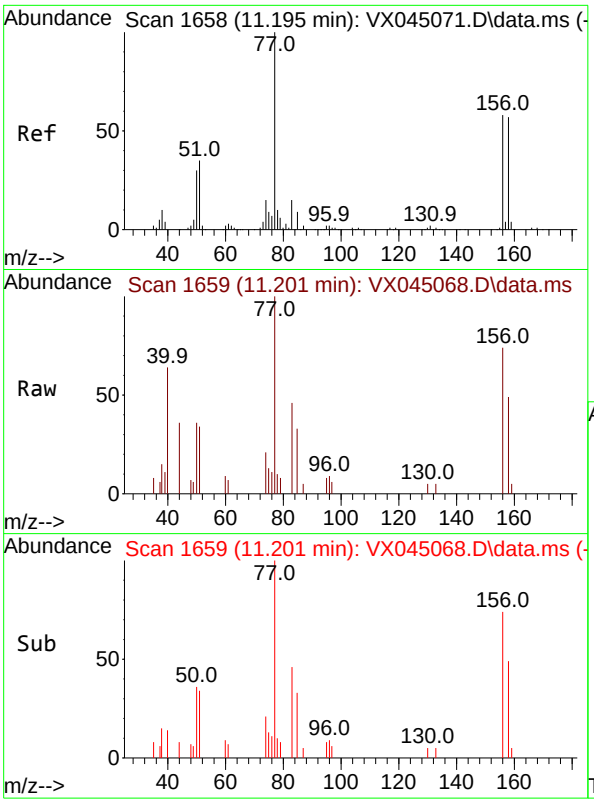


#76
1,2,3-Trichloropropane
Concen: 1.246 ug/l
RT: 11.244 min Scan# 1666
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 75 Resp: 1878

Ion	Ratio	Lower	Upper
75	100		
77	32.6	20.7	62.1



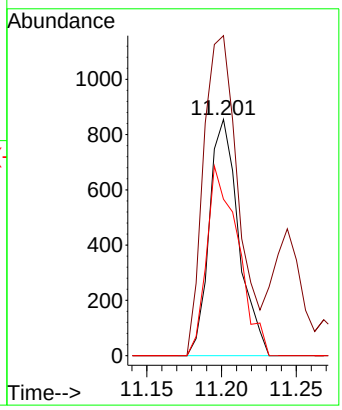


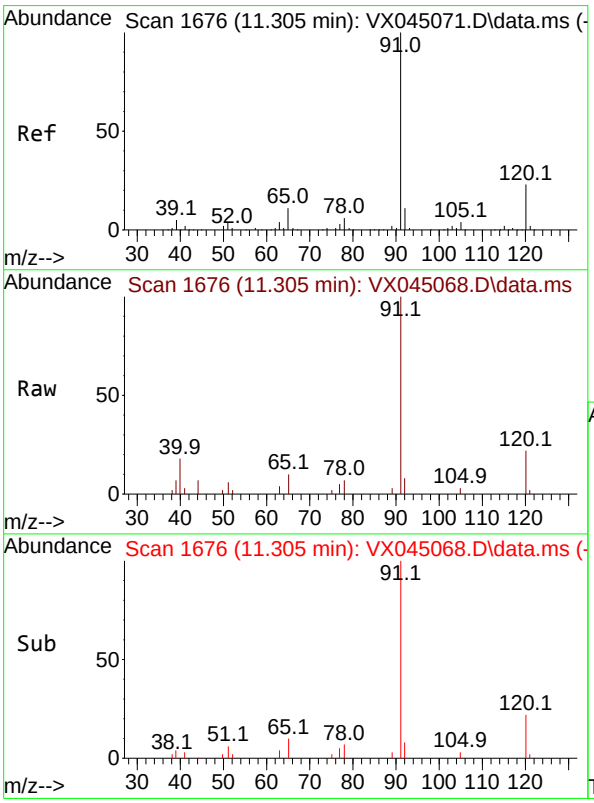
#77
Bromobenzene
Concen: 0.972 ug/l
RT: 11.201 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

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

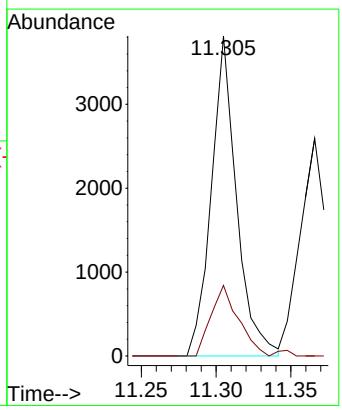


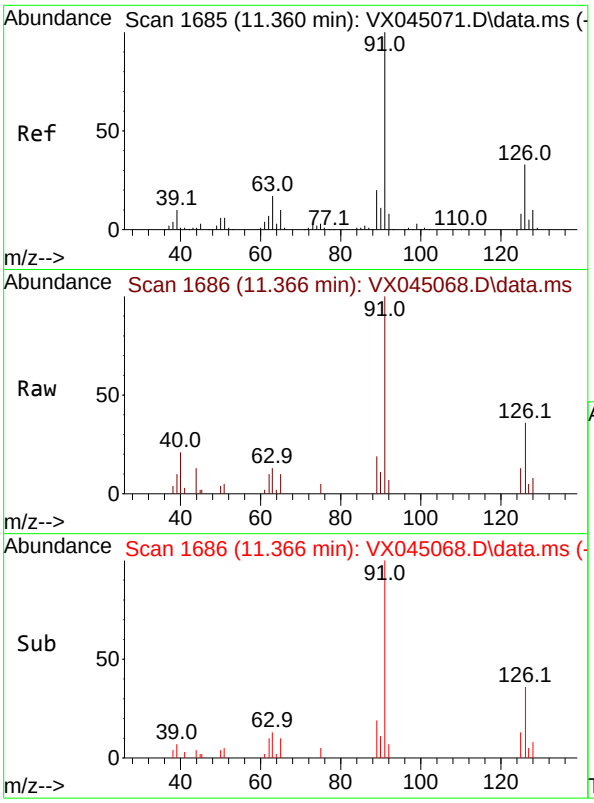


#78
n-propylbenzene
Concen: 0.773 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 91 Resp: 4475

Ion	Ratio	Lower	Upper
91	100		
120	23.9	11.2	33.6



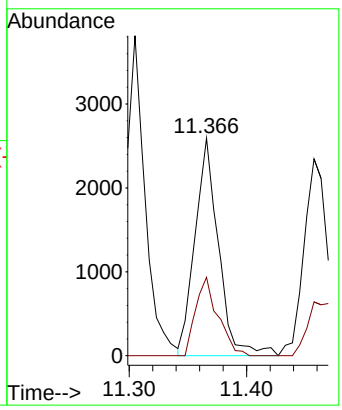


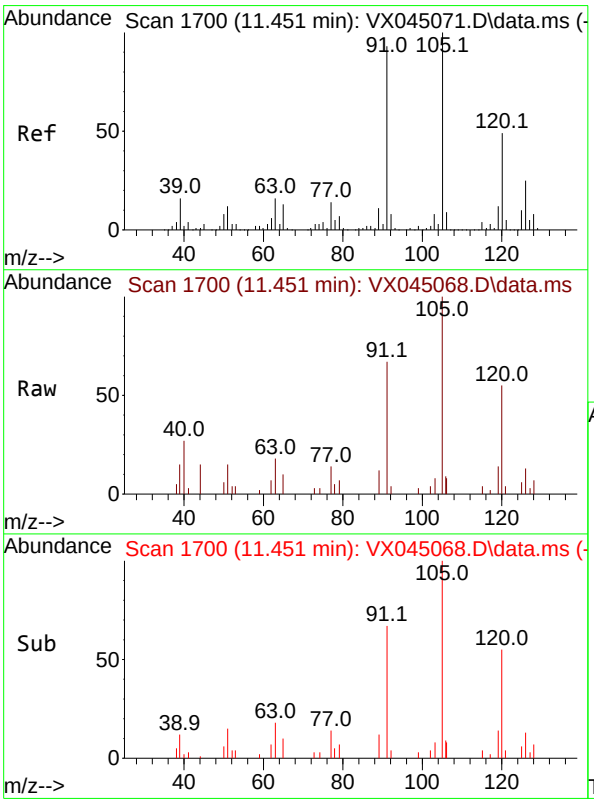
#79
2-Chlorotoluene
Concen: 0.986 ug/l
RT: 11.366 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 91 Resp: 3616

Ion	Ratio	Lower	Upper
91	100		
126	34.2	16.4	49.4

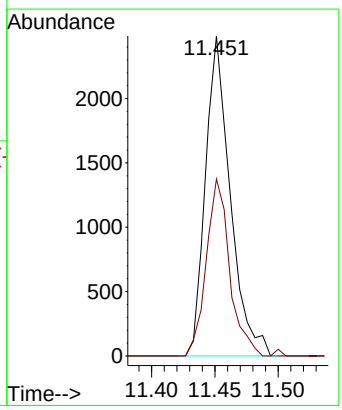


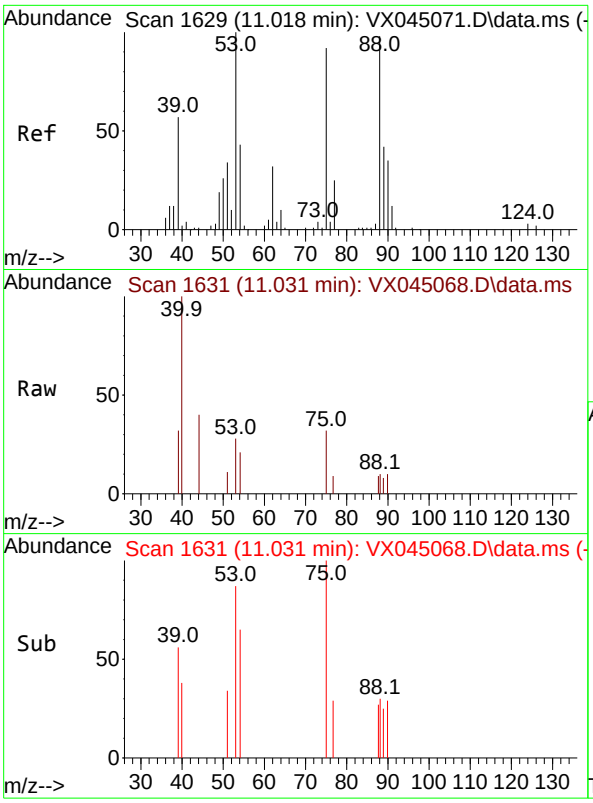


#80
1,3,5-Trimethylbenzene
Concen: 0.815 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:105 Resp: 3386

Ion	Ratio	Lower	Upper
105	100		
120	52.2	24.1	72.2



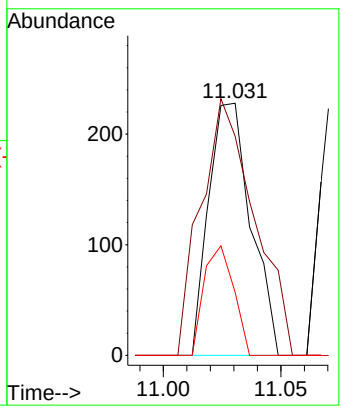


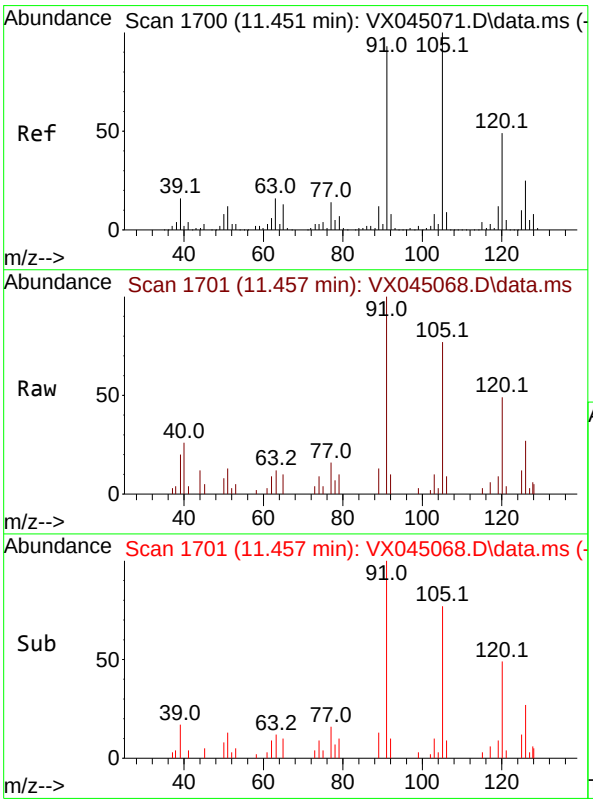
#81
trans-1,4-Dichloro-2-butene
Concen: 0.646 ug/l
RT: 11.031 min Scan# 1
Delta R.T. 0.012 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

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#

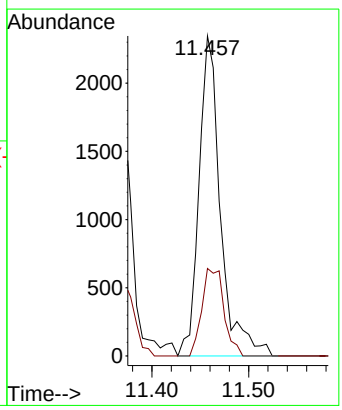


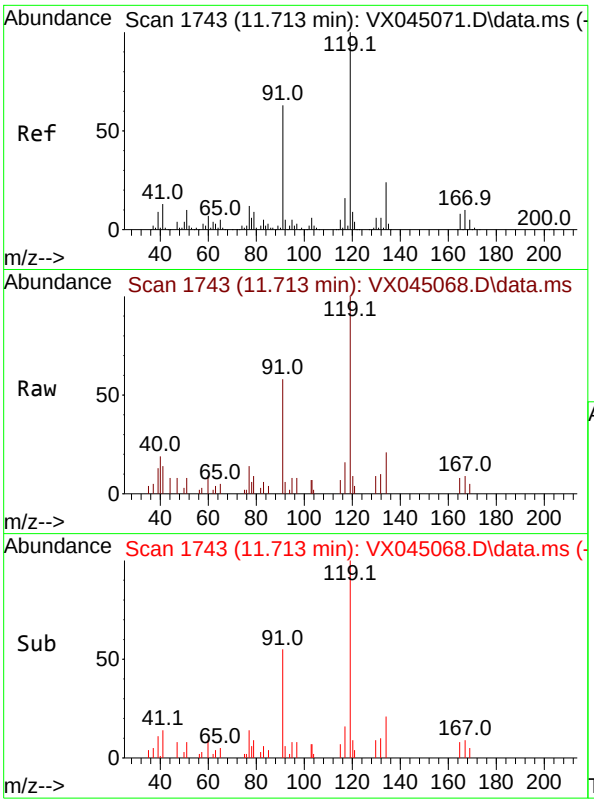


#82
4-Chlorotoluene
Concen: 0.904 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 91 Resp: 3631

Ion	Ratio	Lower	Upper
91	100		
126	28.0	14.1	42.4



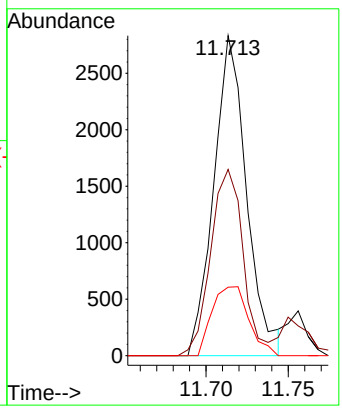


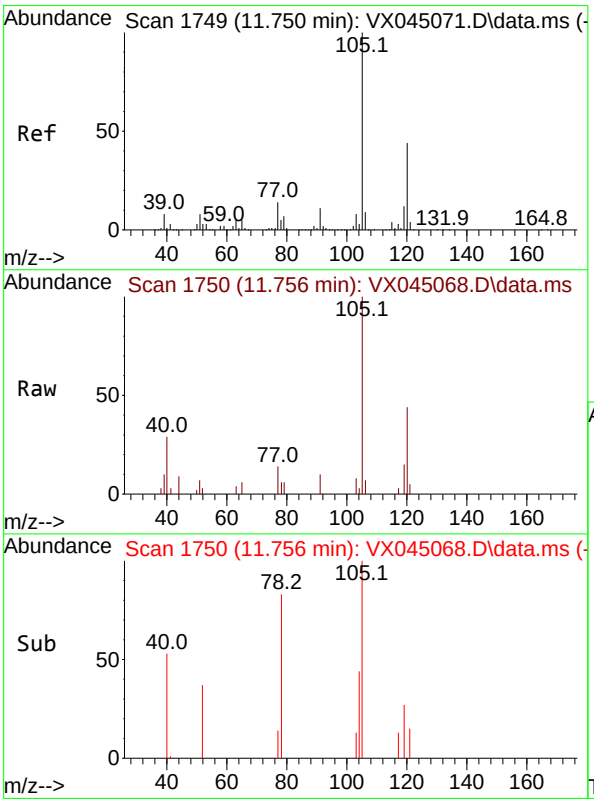
#83
tert-Butylbenzene
Concen: 0.929 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

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

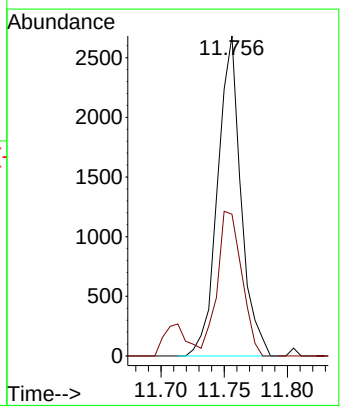


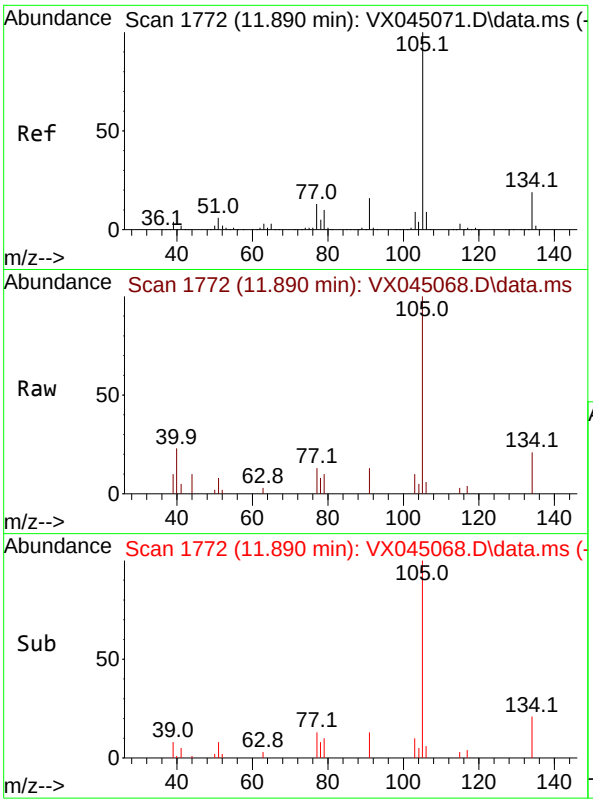


#84
1,2,4-Trimethylbenzene
Concen: 0.827 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:105 Resp: 3432

Ion	Ratio	Lower	Upper
105	100		
120	47.5	22.1	66.1



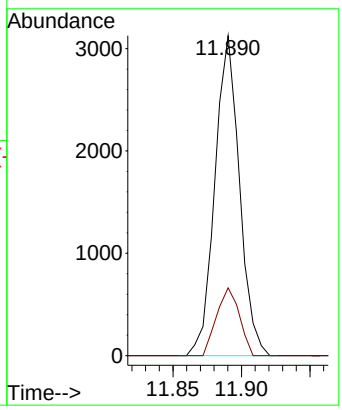


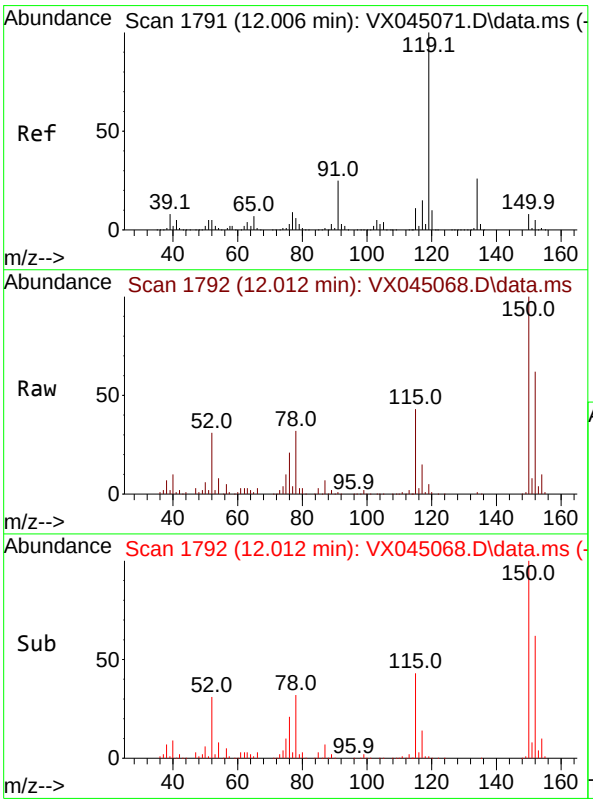
#85
sec-Butylbenzene
Concen: 0.752 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:105 Resp: 3891

Ion	Ratio	Lower	Upper
105	100		
134	19.5	9.8	29.4

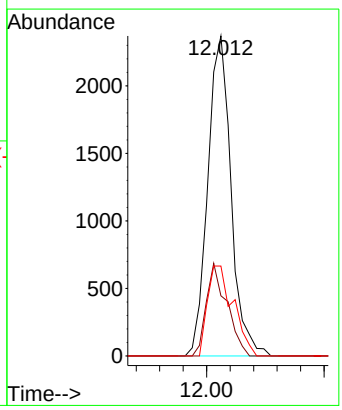


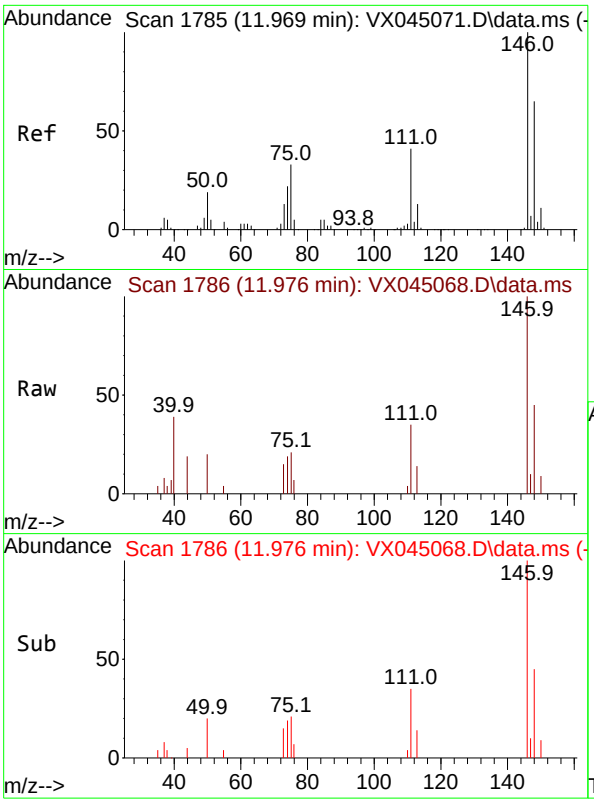


#86
p-Isopropyltoluene
Concen: 0.797 ug/l
RT: 12.012 min Scan# 1792
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

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



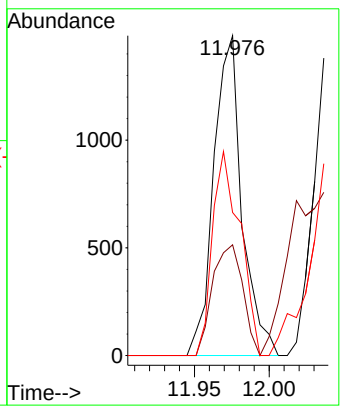


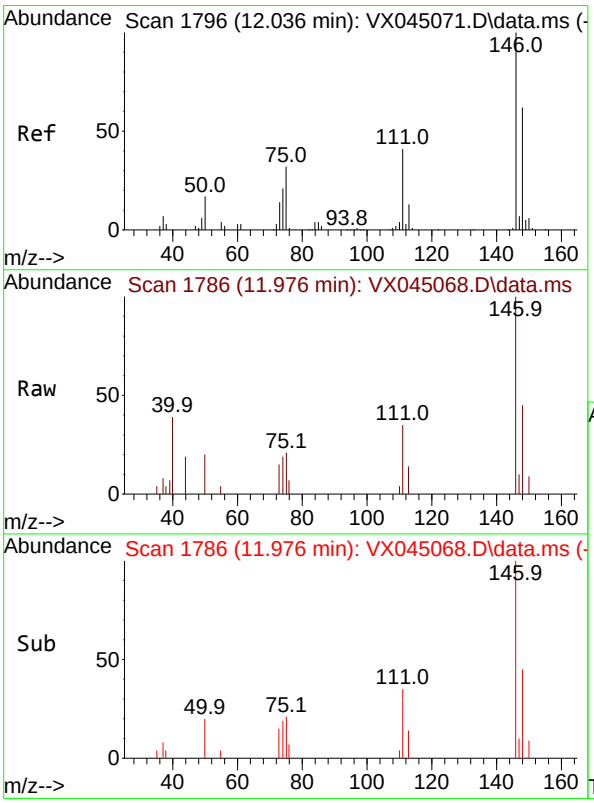
#87
1,3-Dichlorobenzene
Concen: 0.913 ug/l
RT: 11.976 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

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

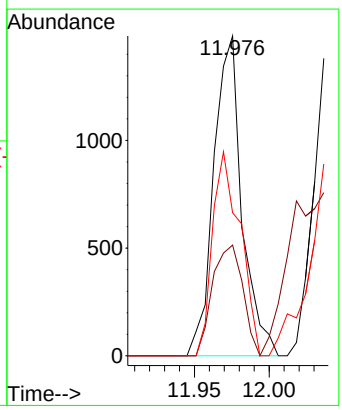


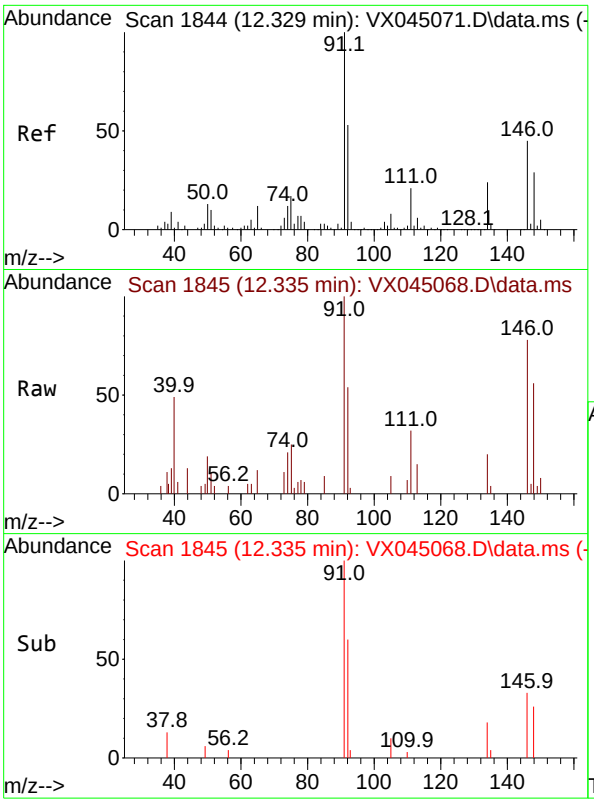


#88
1,4-Dichlorobenzene
Concen: 0.900 ug/l
RT: 11.976 min Scan# 1786
Delta R.T. -0.061 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

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



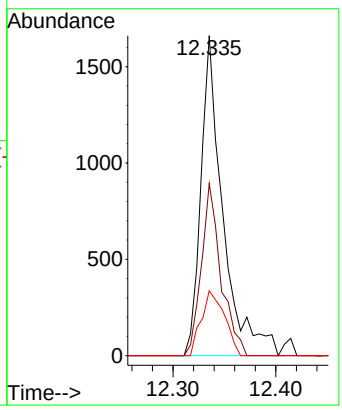


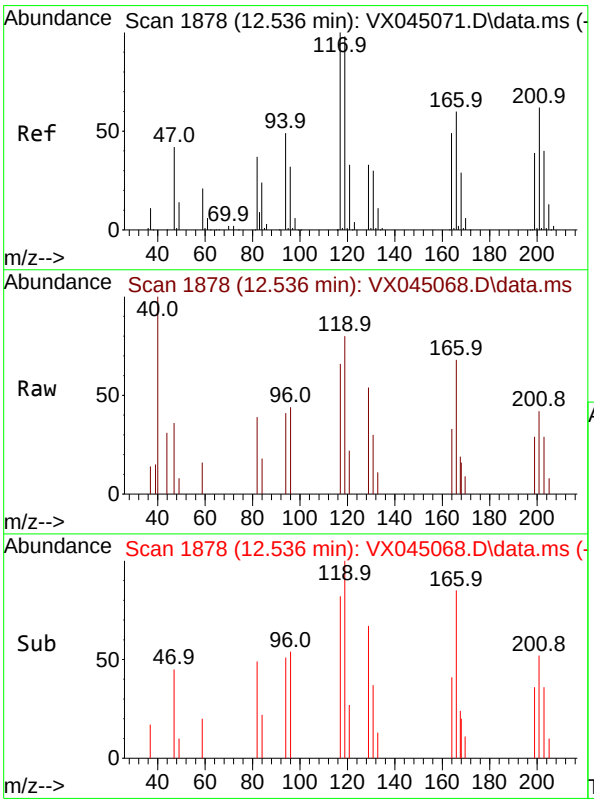
#89
n-Butylbenzene
Concen: 0.691 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

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

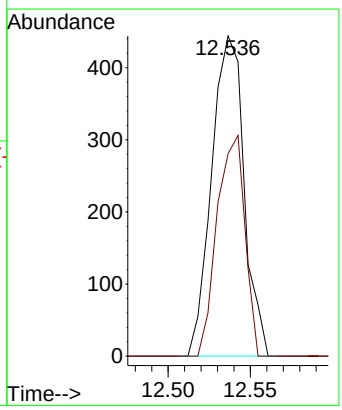


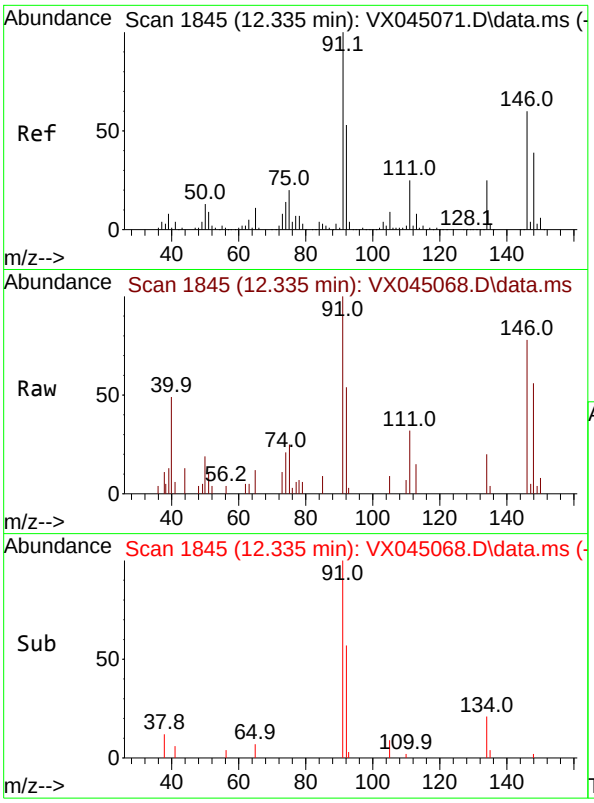


#90
Hexachloroethane
Concen: 0.805 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:117 Resp: 609

Ion	Ratio	Lower	Upper
117	100		
201	58.9	31.9	95.9



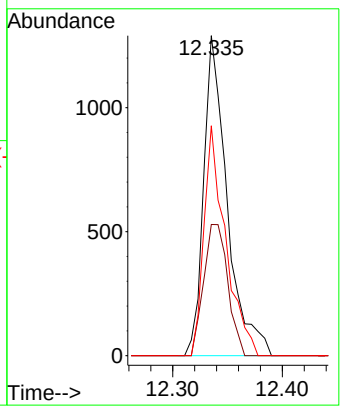


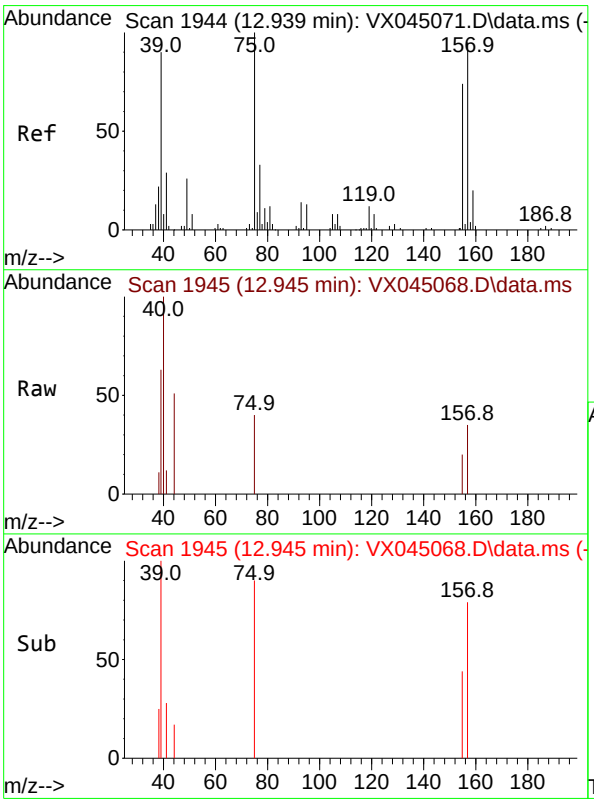
#91
1,2-Dichlorobenzene
Concen: 0.890 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

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

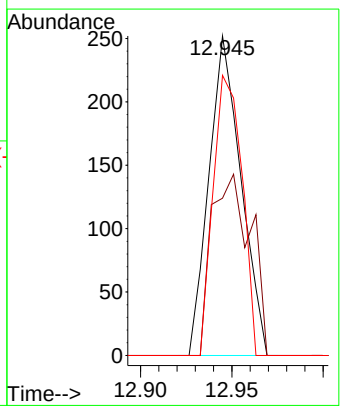


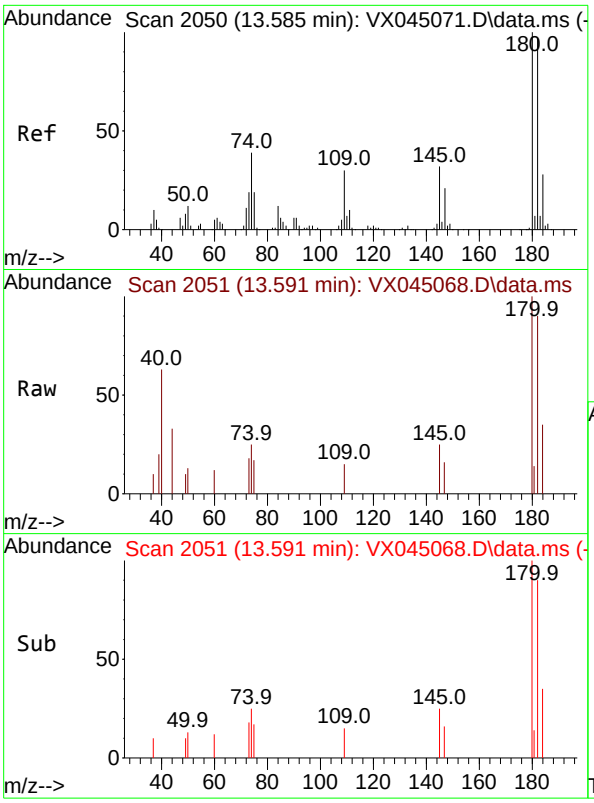


#92
1,2-Dibromo-3-Chloropropane
Concen: 0.859 ug/l
RT: 12.945 min Scan# 1945
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

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



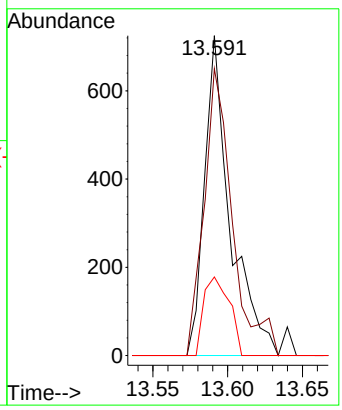


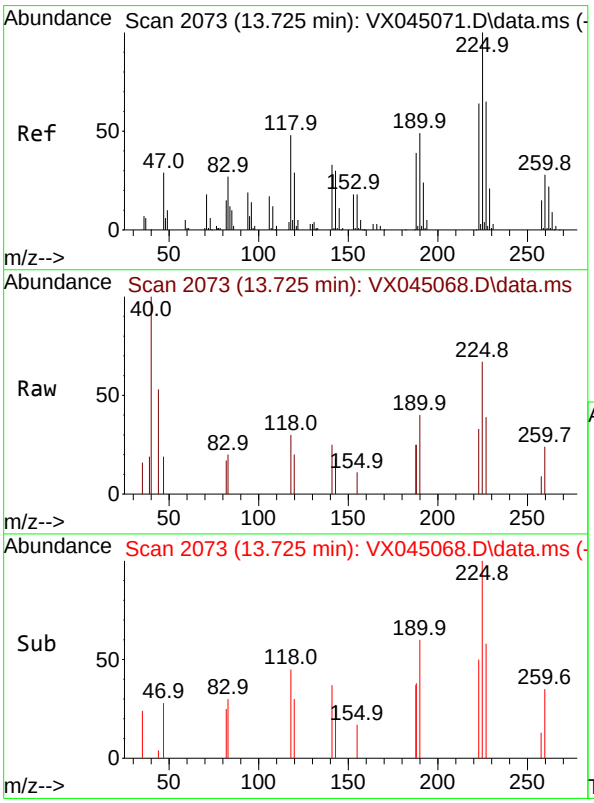
#93
1,2,4-Trichlorobenzene
Concen: 0.706 ug/l
RT: 13.591 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

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

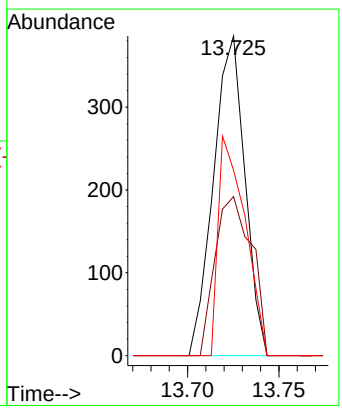


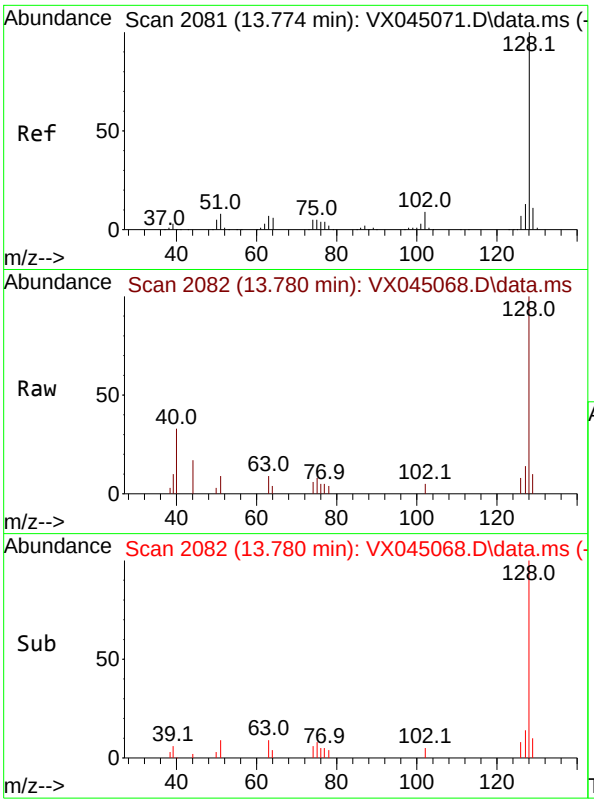


#94
Hexachlorobutadiene
Concen: 0.917 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

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



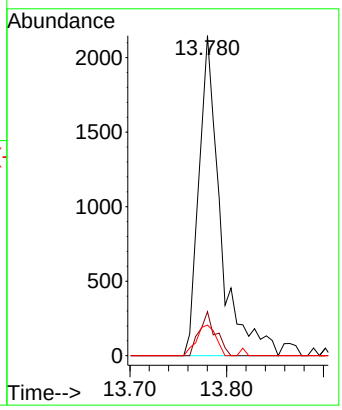


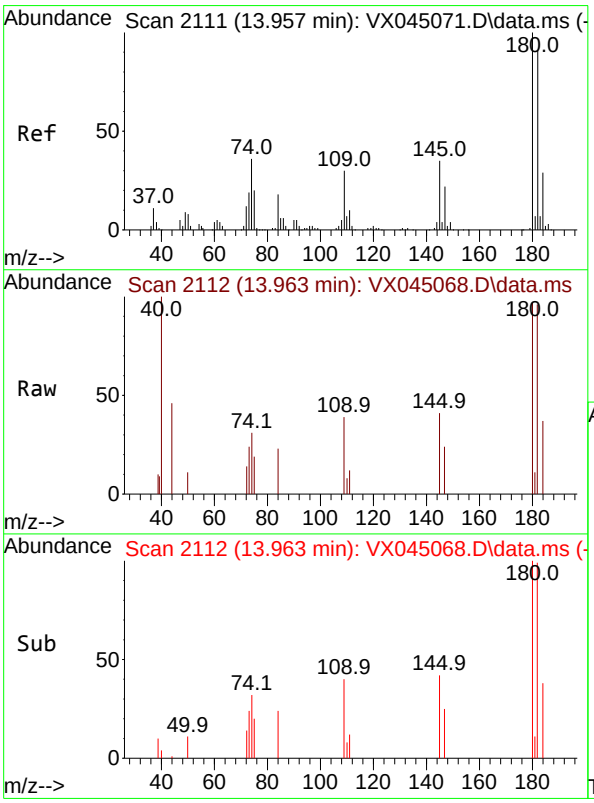
#95
Naphthalene
Concen: 0.707 ug/l
RT: 13.780 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

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#

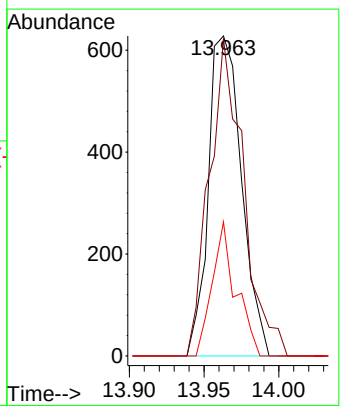




#96
1,2,3-Trichlorobenzene
Concen: 0.759 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

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

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)

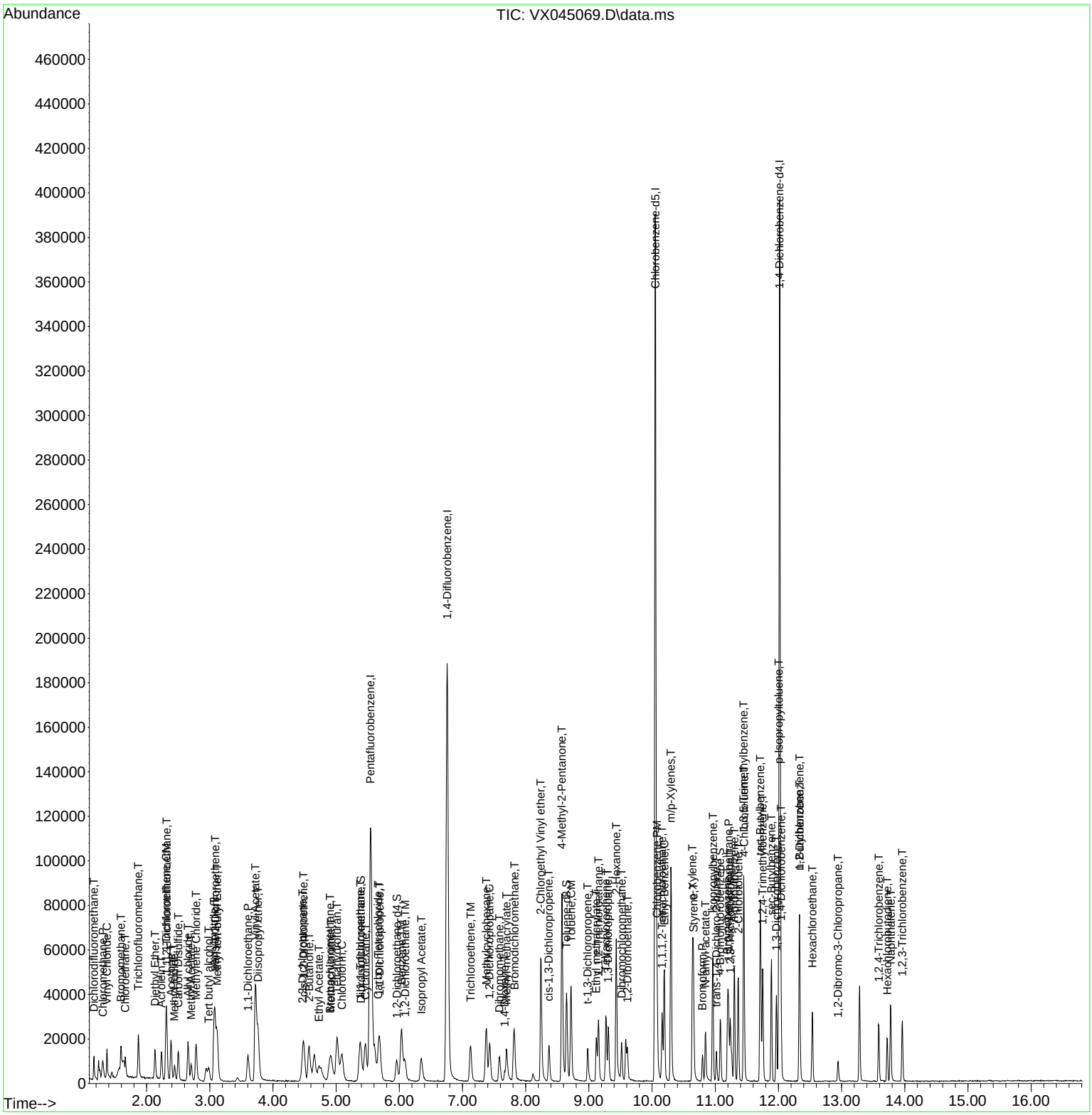
(#) = qualifier out of range (m) = manual integration (+) = signals summed

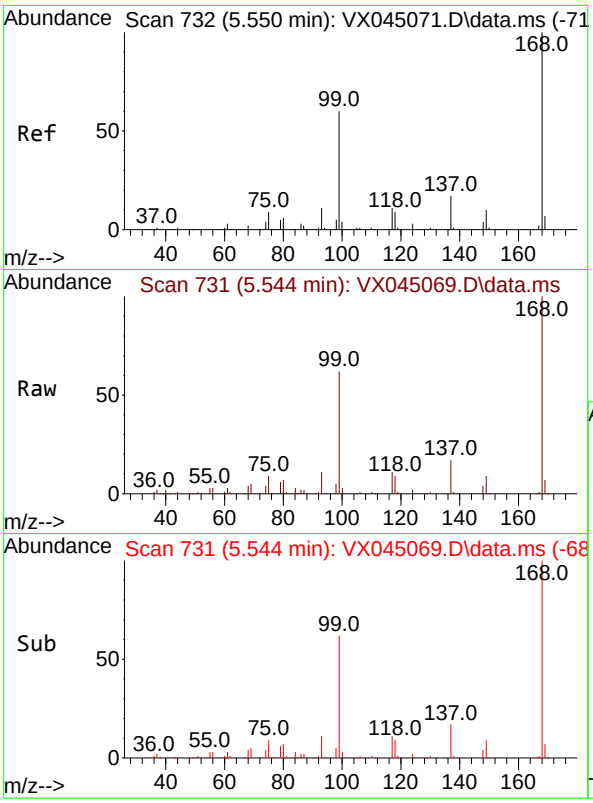
Quantitation Report (Not Reviewed)

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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

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



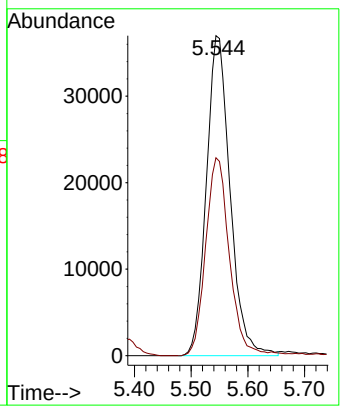


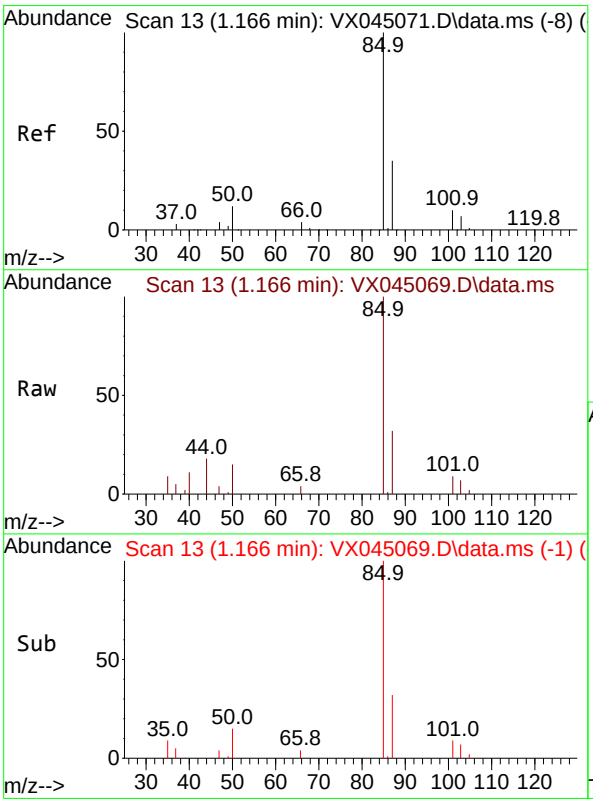
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:168 Resp: 107391

Ion	Ratio	Lower	Upper
168	100		
99	61.8	48.2	72.4

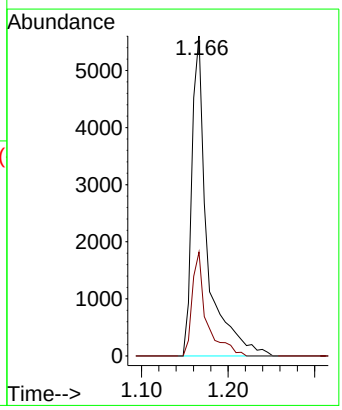


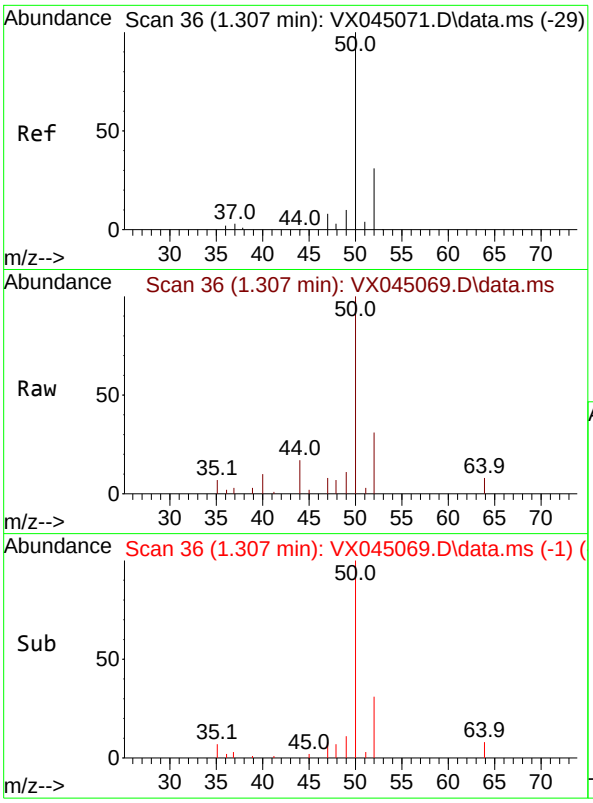


#2
Dichlorodifluoromethane
Concen: 4.689 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 85 Resp: 6941

Ion	Ratio	Lower	Upper
85	100		
87	32.4	17.4	52.3



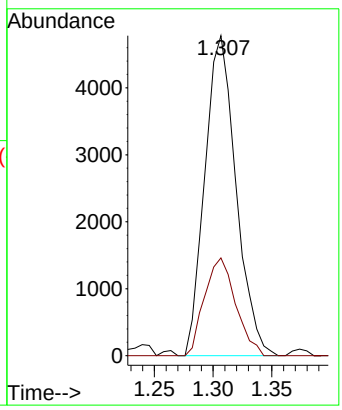


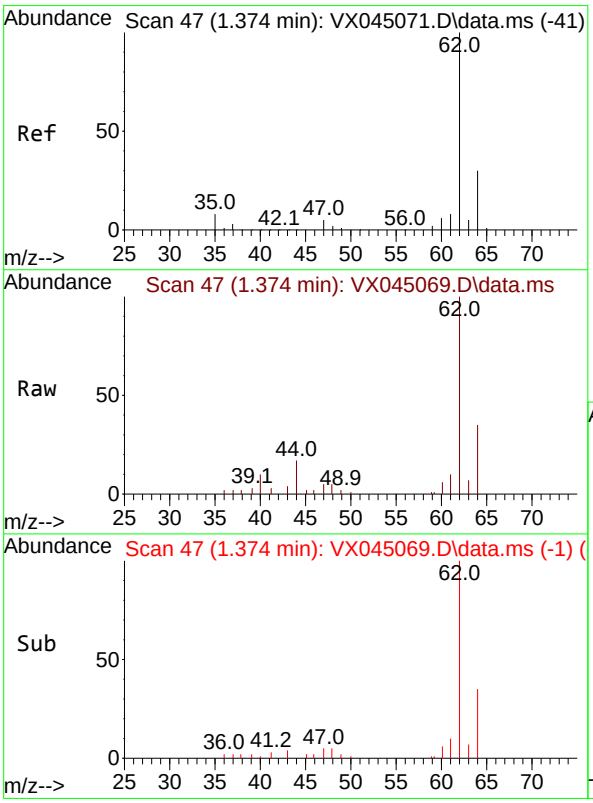
#3
Chloromethane
Concen: 4.896 ug/l
RT: 1.307 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 50 Resp: 8819

Ion	Ratio	Lower	Upper
50	100		
52	30.6	25.0	37.4

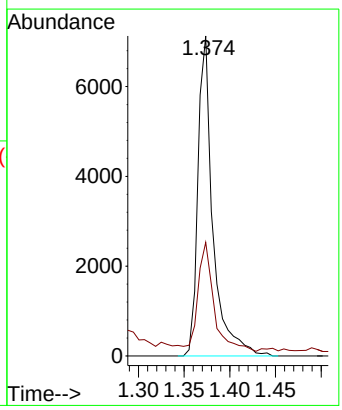


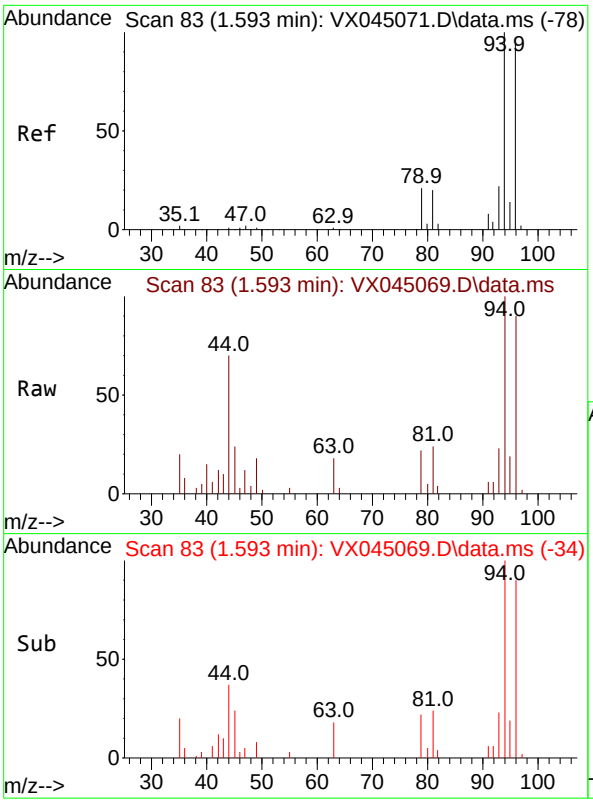


#4
Vinyl Chloride
Concen: 4.608 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 62 Resp: 8106

Ion	Ratio	Lower	Upper
62	100		
64	33.9	24.3	36.5



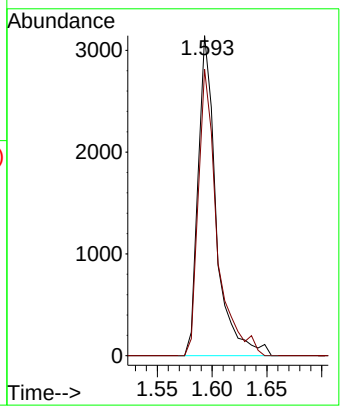


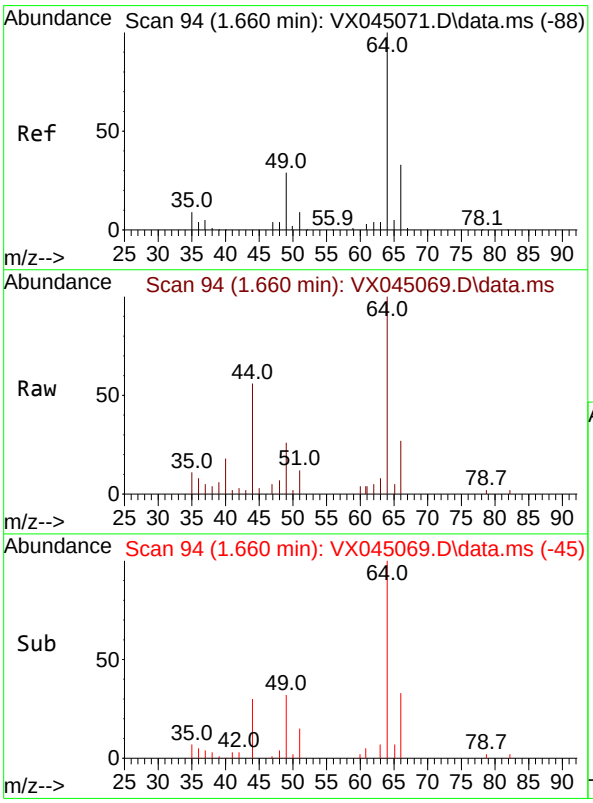
#5
Bromomethane
Concen: 6.582 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 94 Resp: 3620

Ion	Ratio	Lower	Upper
94	100		
96	89.5	75.0	112.4

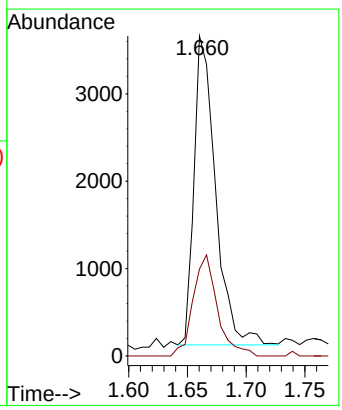


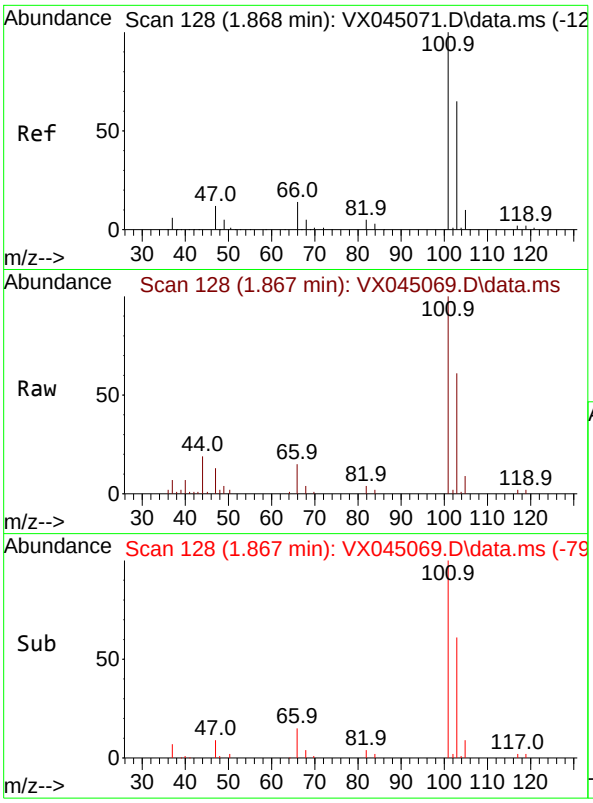


#6
Chloroethane
Concen: 6.746 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 64 Resp: 4517

Ion	Ratio	Lower	Upper
64	100		
66	28.1	26.7	40.1



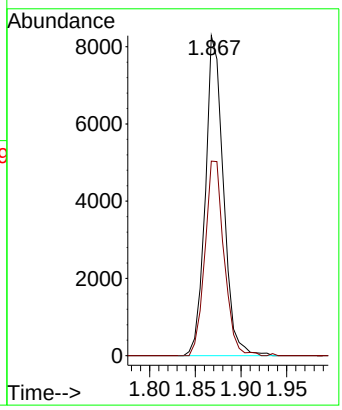


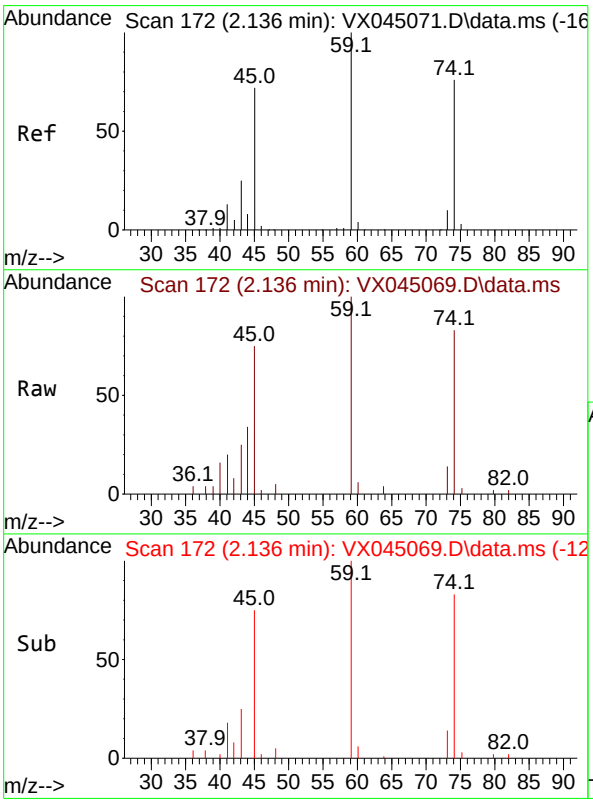
#7
Trichlorofluoromethane
Concen: 5.056 ug/l
RT: 1.867 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:101 Resp: 11392

Ion	Ratio	Lower	Upper
101	100		
103	60.8	52.1	78.1

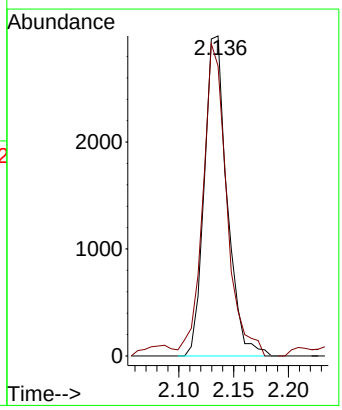


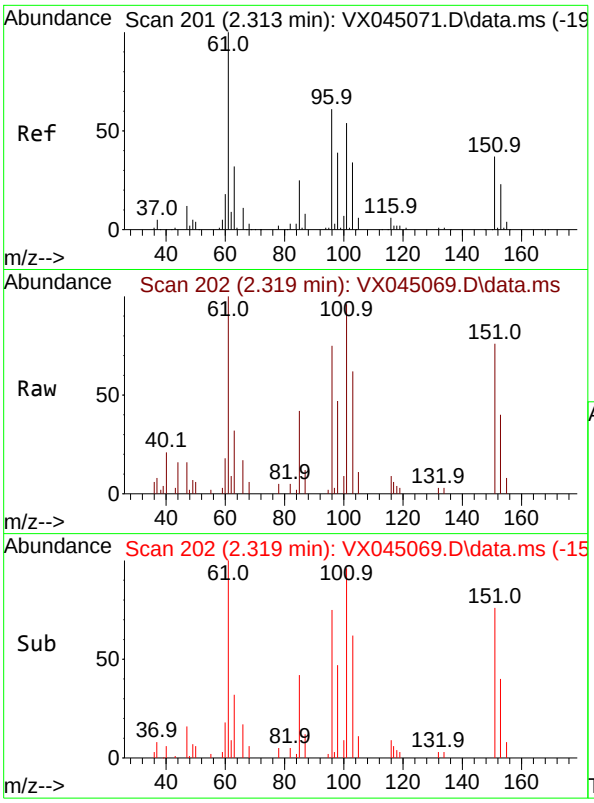


#8
Diethyl Ether
Concen: 5.268 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 74 Resp: 4314

Ion	Ratio	Lower	Upper
74	100		
45	101.9	51.5	154.5



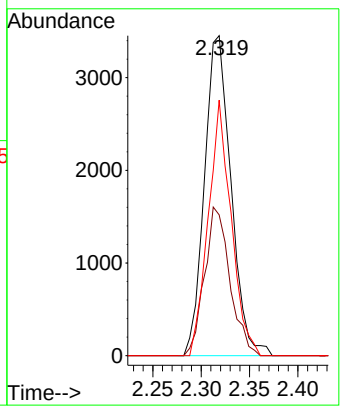


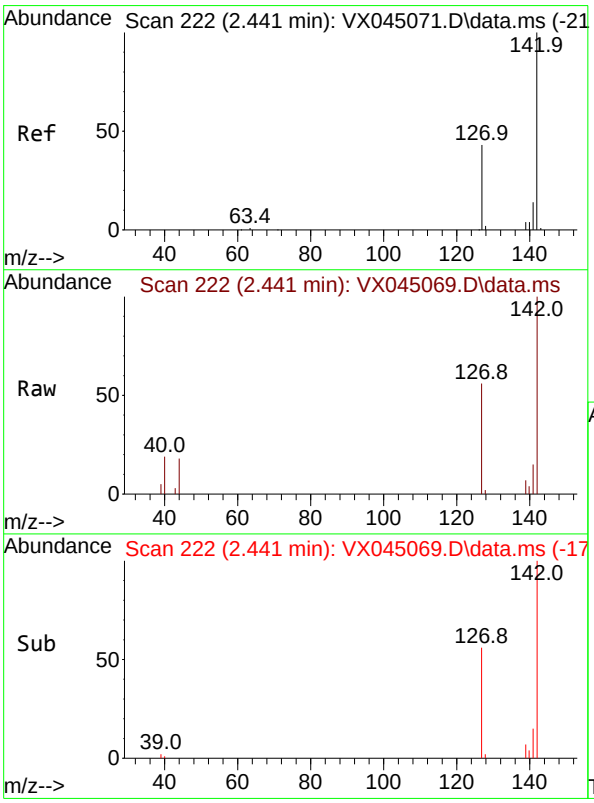
#9
1,1,2-Trichlorotrifluoroethane
Concen: 4.894 ug/l
RT: 2.319 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

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

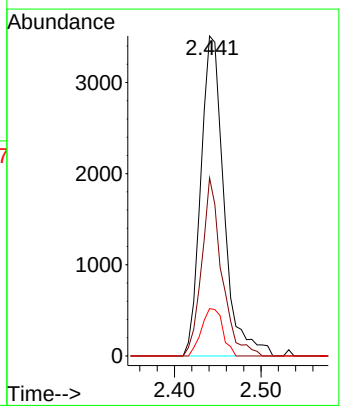


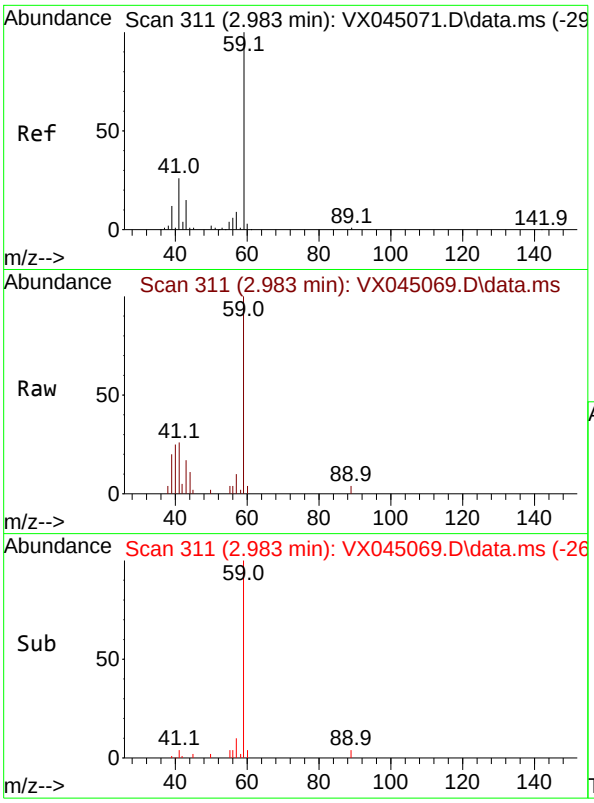


#10
Methyl Iodide
Concen: 3.780 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

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



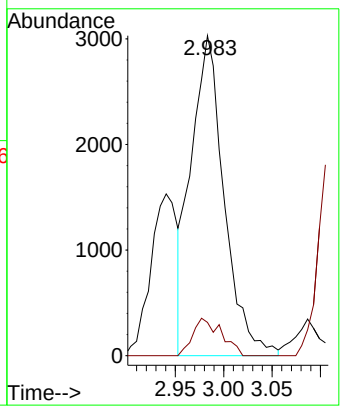


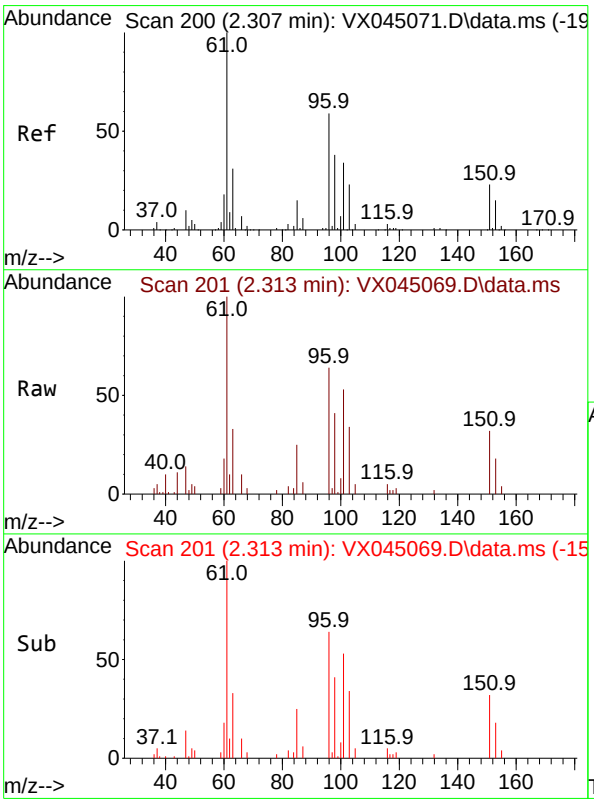
#11
Tert butyl alcohol
Concen: 24.859 ug/l
RT: 2.983 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 59 Resp: 7224

Ion	Ratio	Lower	Upper
59	100		
57	10.1	7.8	11.8

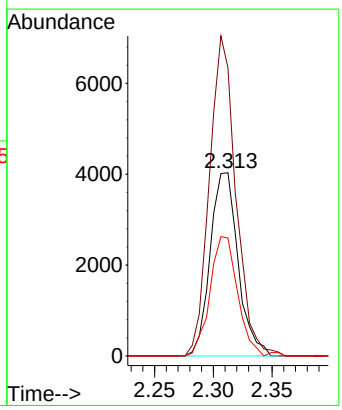


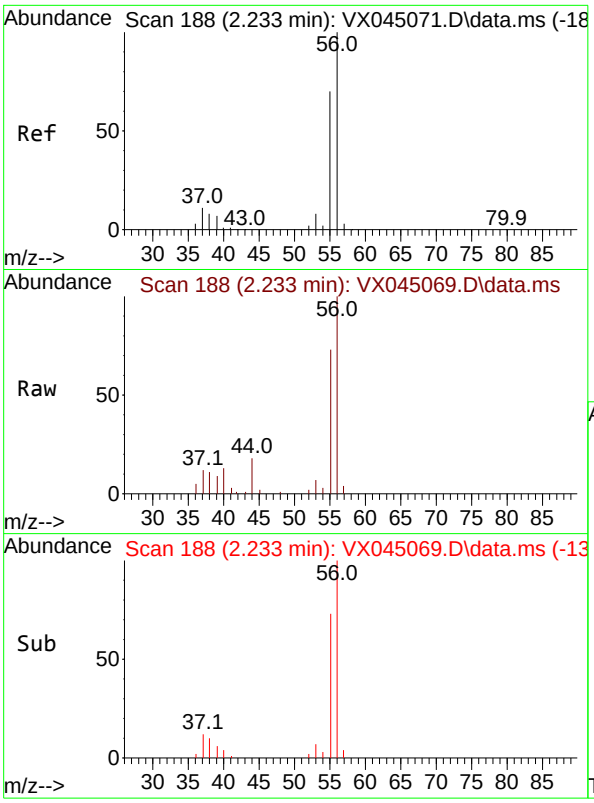


#12
1,1-Dichloroethene
Concen: 4.819 ug/l
RT: 2.313 min Scan# 201
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

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



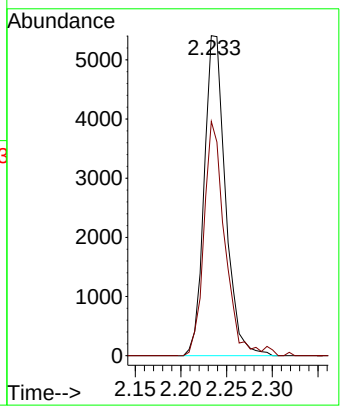


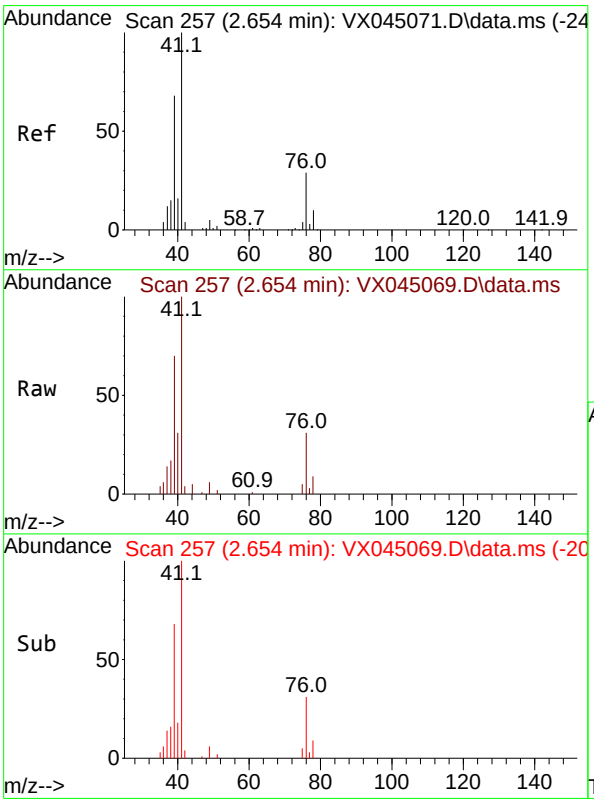
#13
Acrolein
Concen: 27.725 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 56 Resp: 8725

Ion	Ratio	Lower	Upper
56	100		
55	72.4	56.2	84.4

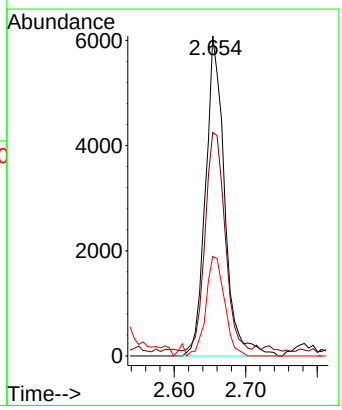


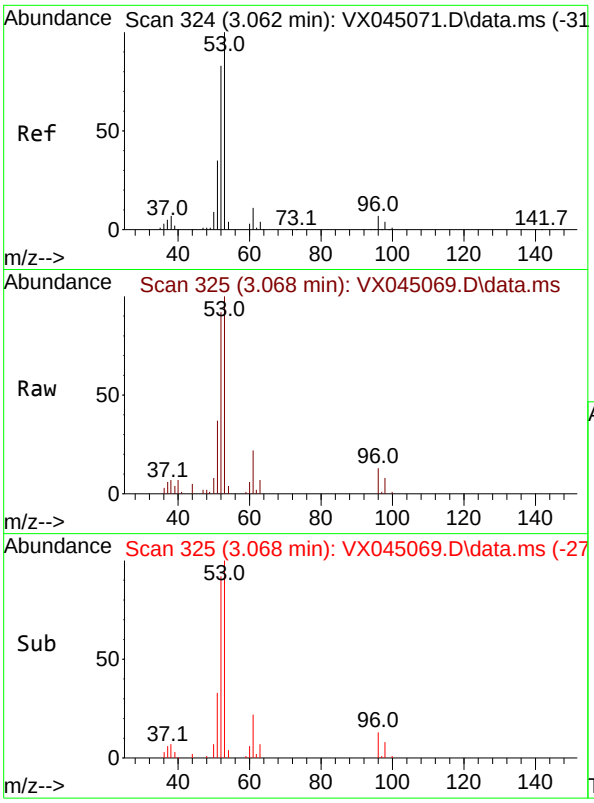


#14
Allyl chloride
Concen: 4.527 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

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



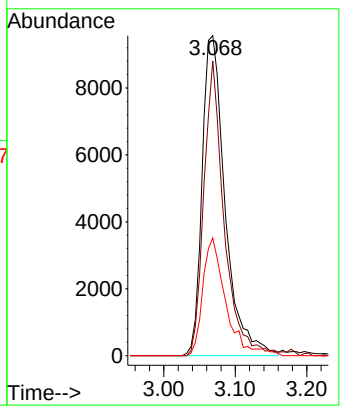


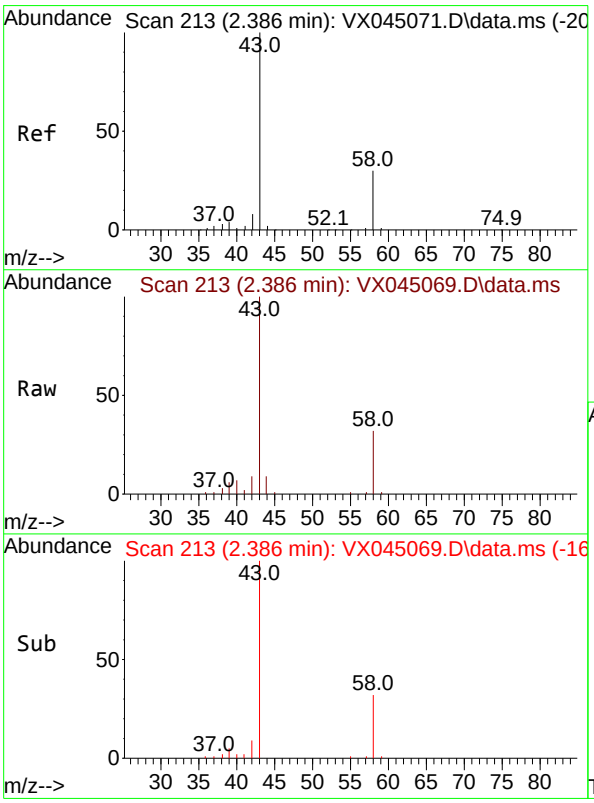
#15
Acrylonitrile
Concen: 27.072 ug/l
RT: 3.068 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

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

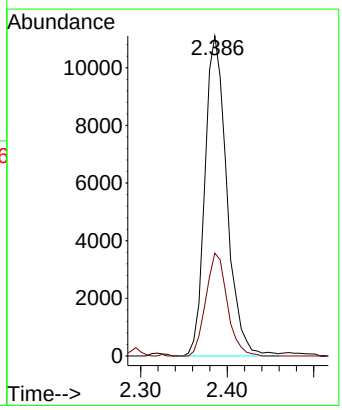


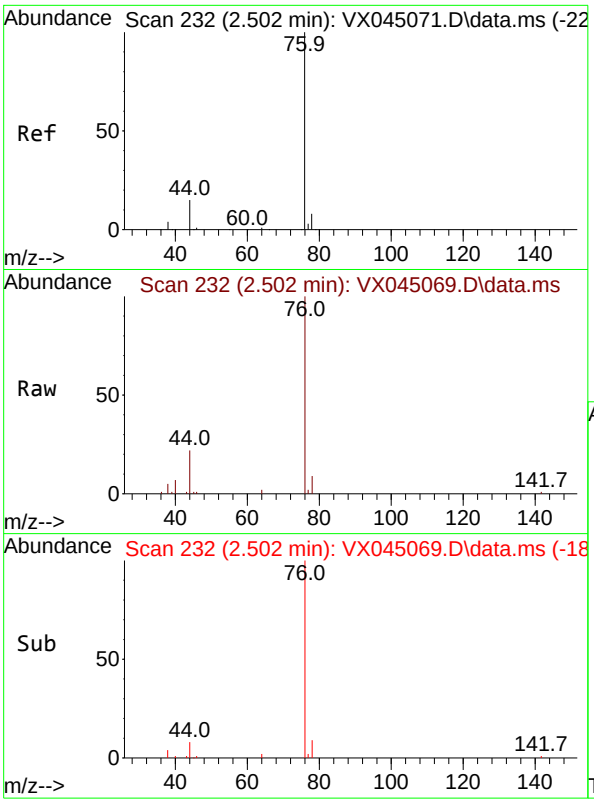


#16
Acetone
Concen: 29.891 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 43 Resp: 19512

Ion	Ratio	Lower	Upper
43	100		
58	32.1	24.2	36.4



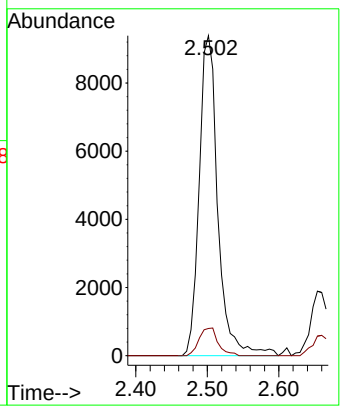


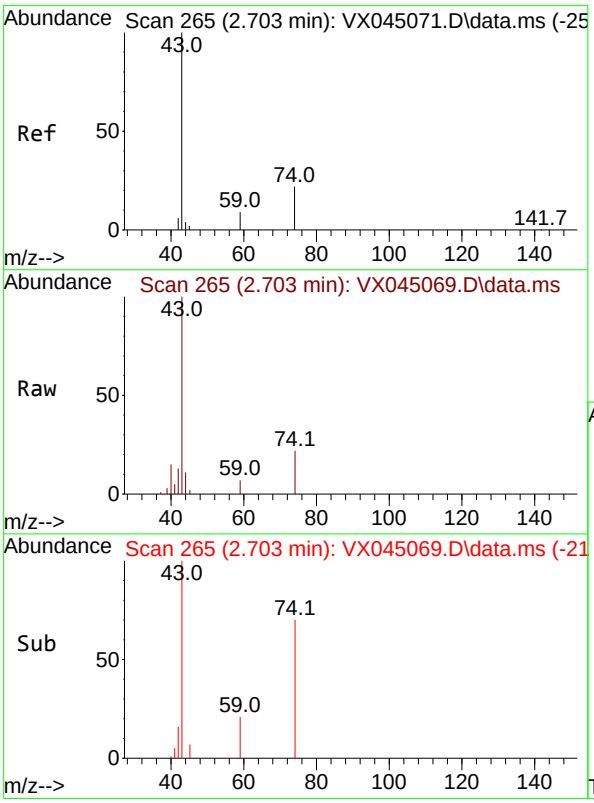
#17
Carbon Disulfide
Concen: 4.518 ug/l
RT: 2.502 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 76 Resp: 16984

Ion	Ratio	Lower	Upper
76	100		
78	8.5	6.6	9.8

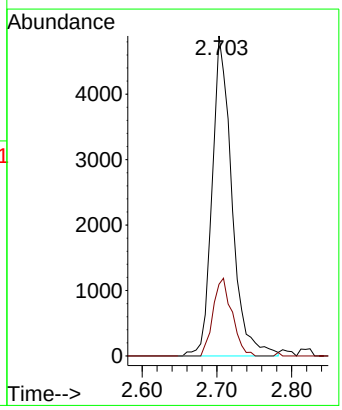


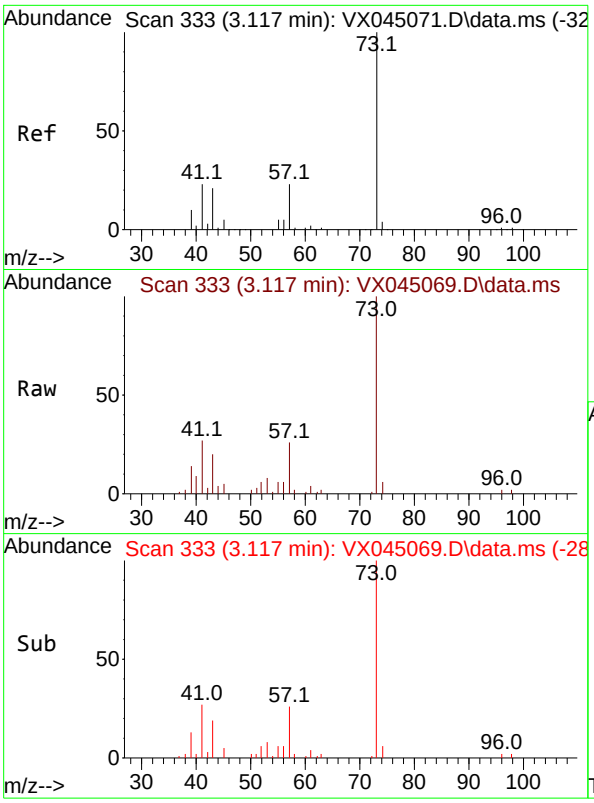


#18
Methyl Acetate
Concen: 4.559 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 43 Resp: 8964

Ion	Ratio	Lower	Upper
43	100		
74	23.3	17.4	26.2



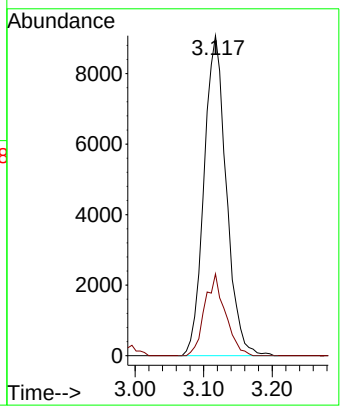


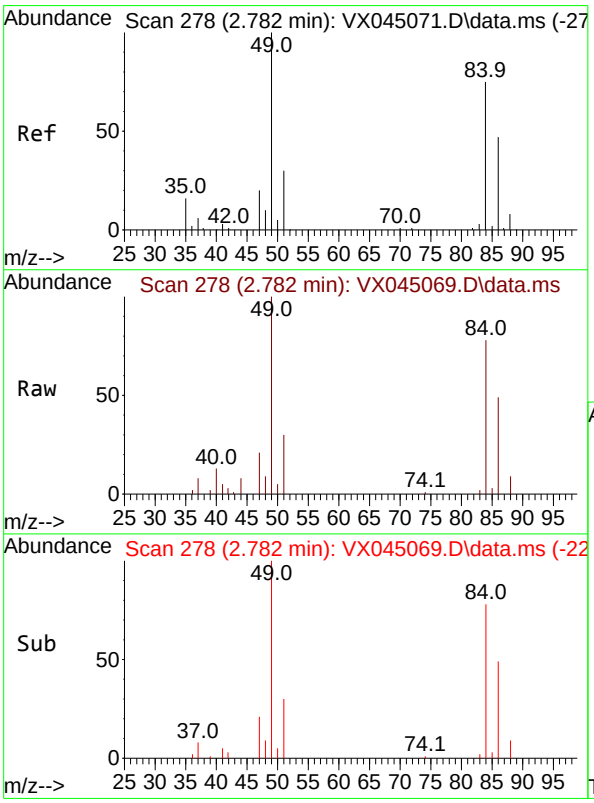
#19
Methyl tert-butyl Ether
Concen: 4.651 ug/l
RT: 3.117 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 73 Resp: 20546

Ion	Ratio	Lower	Upper
73	100		
57	25.6	18.5	27.7

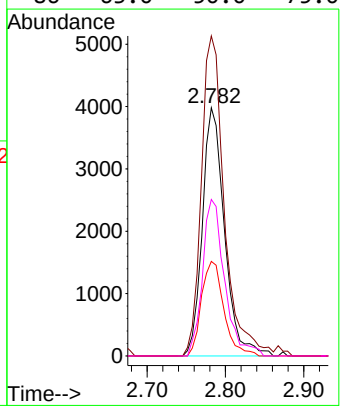


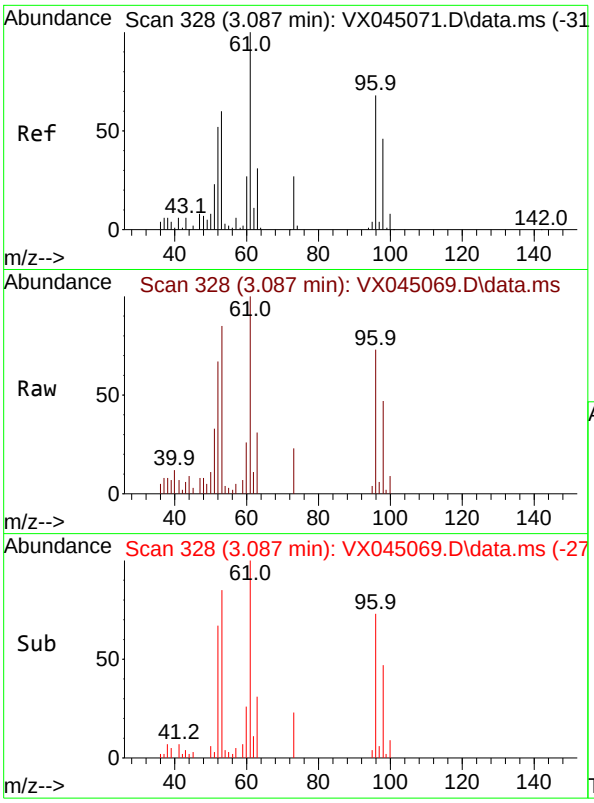


#20
Methylene Chloride
Concen: 5.068 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

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



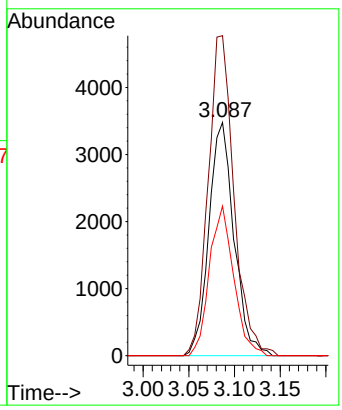


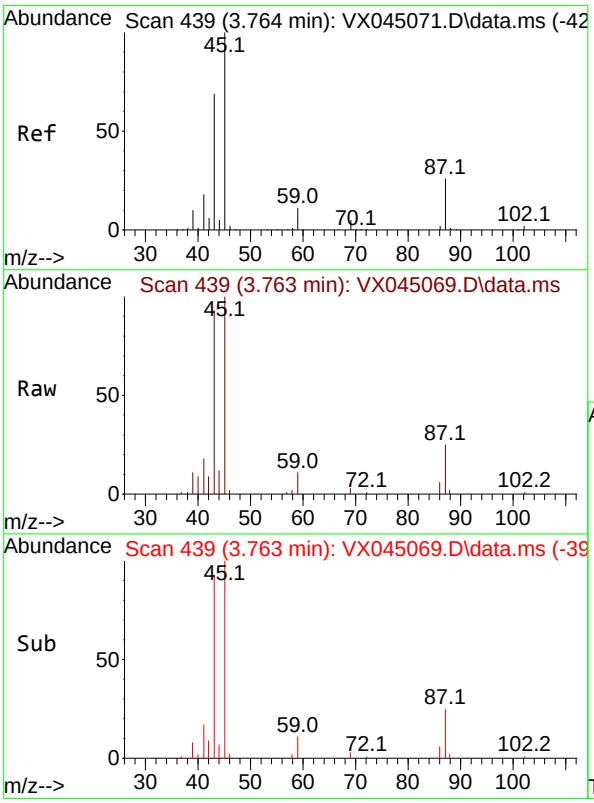
#21
trans-1,2-Dichloroethene
Concen: 4.895 ug/l
RT: 3.087 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

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

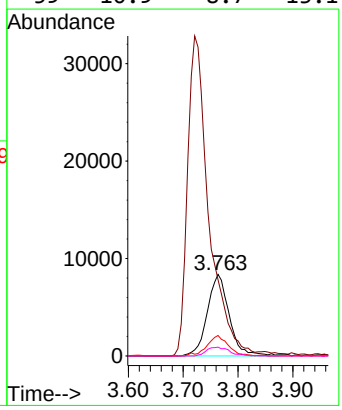


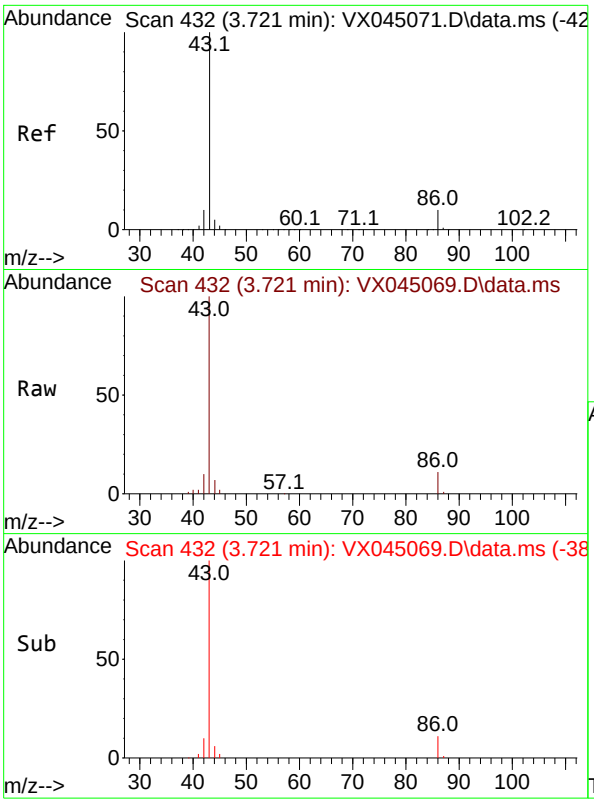


#22
Diisopropyl ether
Concen: 4.875 ug/l
RT: 3.763 min Scan# 439
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

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



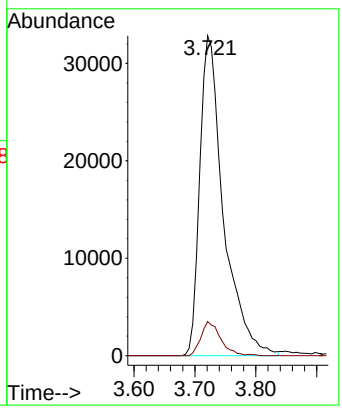


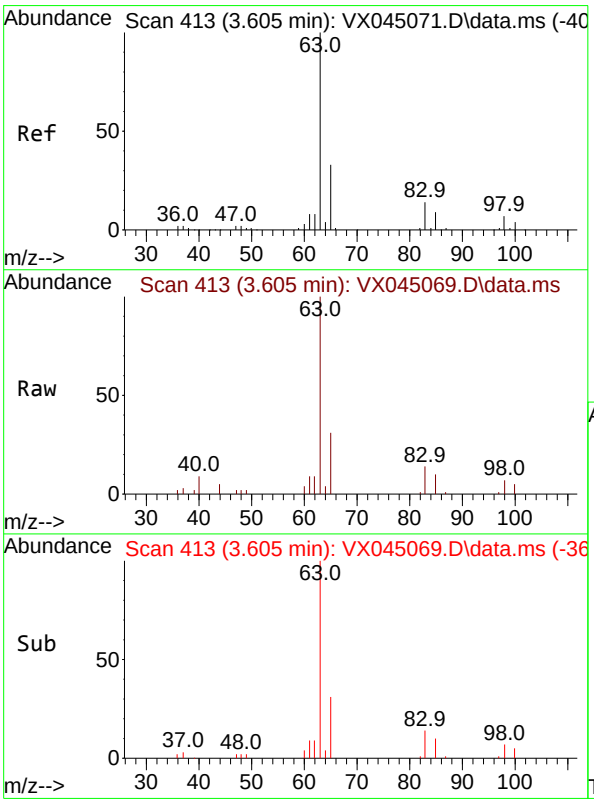
#23
Vinyl Acetate
Concen: 22.788 ug/l
RT: 3.721 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 88852

Ion	Ratio	Lower	Upper
43	100		
86	10.7	8.1	12.1

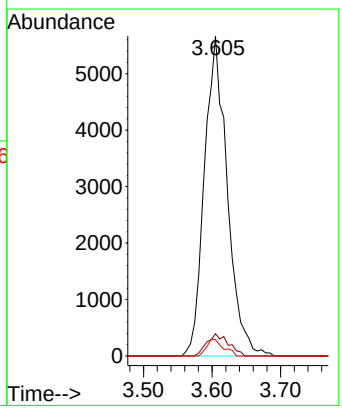


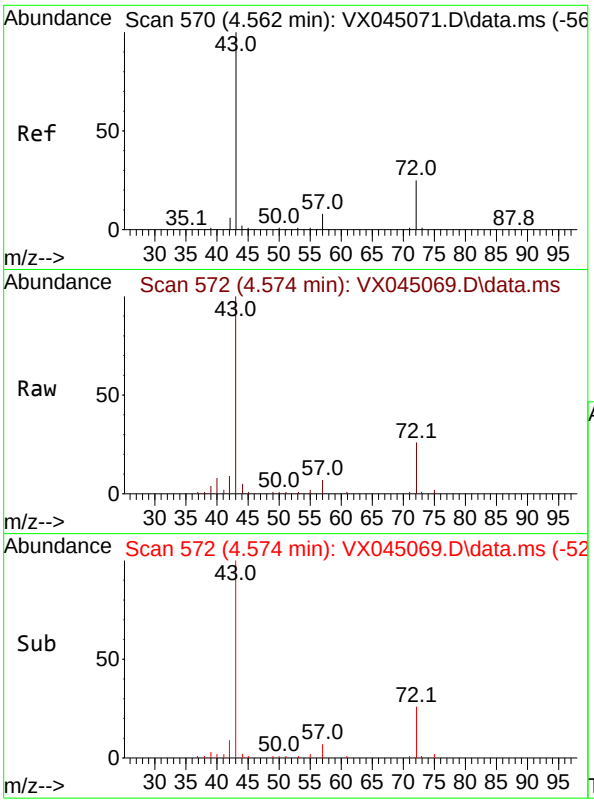


#24
1,1-Dichloroethane
Concen: 4.949 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

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



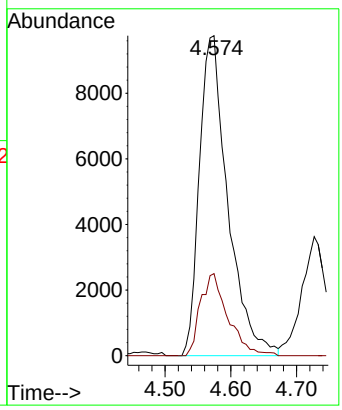


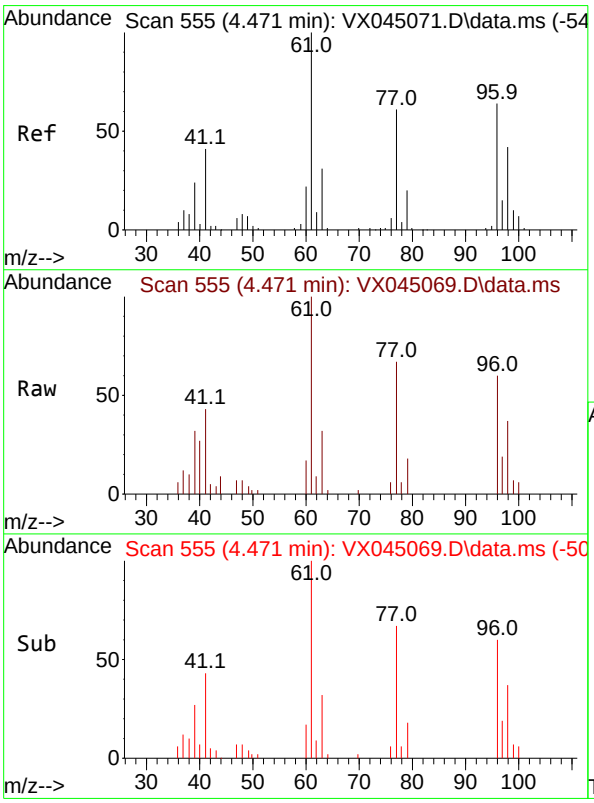
#25
2-Butanone
Concen: 27.819 ug/l
RT: 4.574 min Scan# 5
Delta R.T. 0.012 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 29277

Ion	Ratio	Lower	Upper
43	100		
72	25.7	20.0	30.0

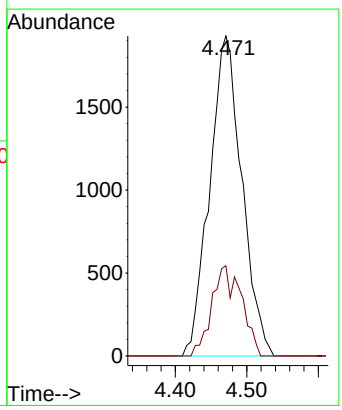


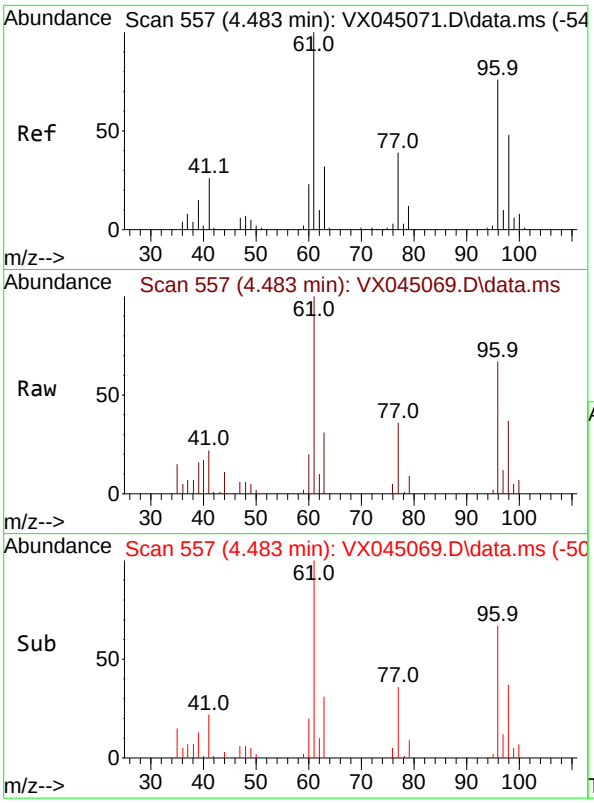


#26
2,2-Dichloropropane
Concen: 3.059 ug/l
RT: 4.471 min Scan# 555
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 77 Resp: 6034

Ion	Ratio	Lower	Upper
77	100		
97	26.0	12.4	37.0



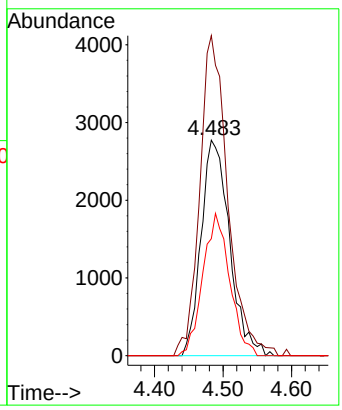


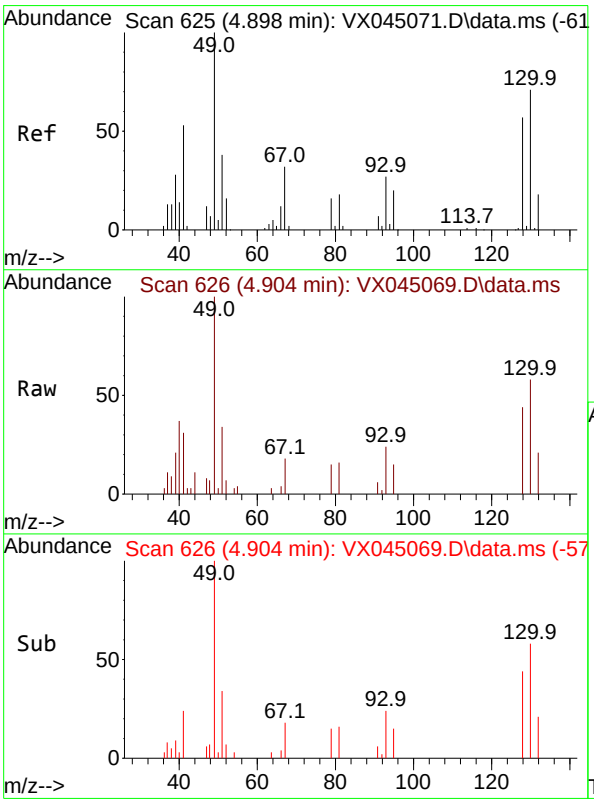
#27
cis-1,2-Dichloroethene
Concen: 4.892 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

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

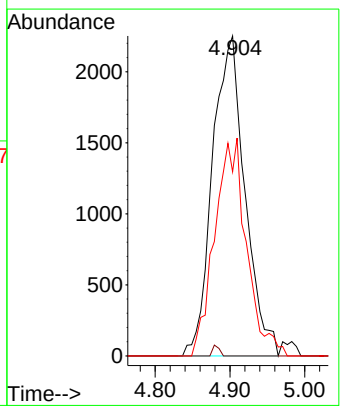


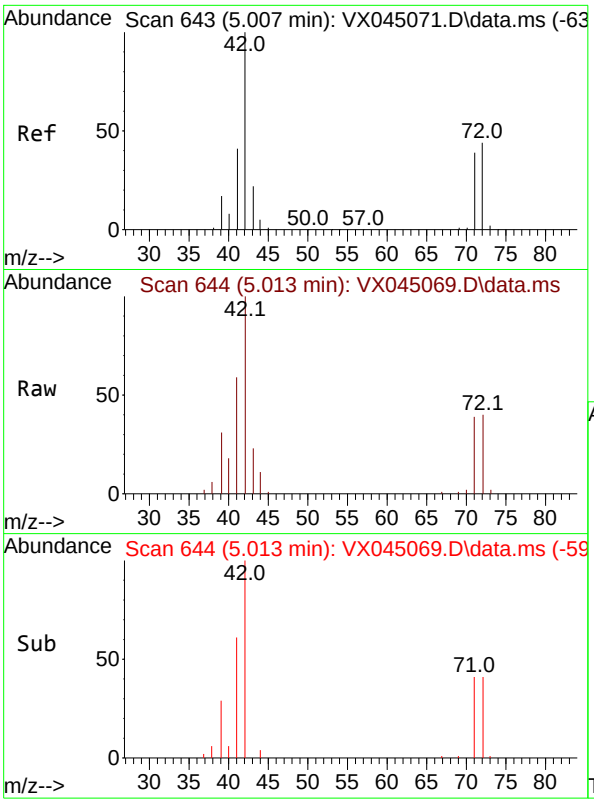


#28
Bromochloromethane
Concen: 5.311 ug/l
RT: 4.904 min Scan# 626
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

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



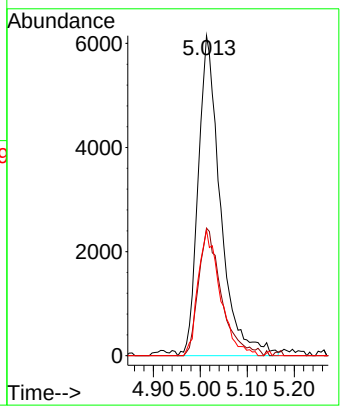


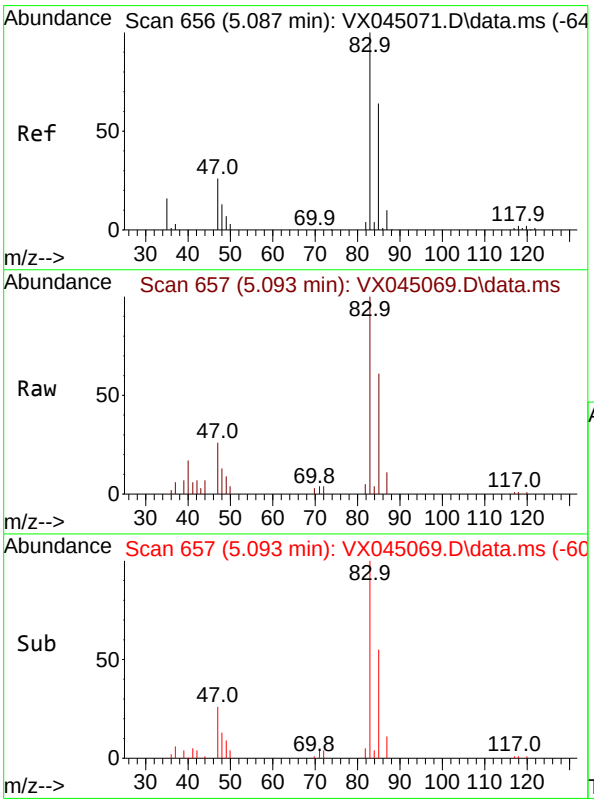
#29
Tetrahydrofuran
Concen: 28.950 ug/l
RT: 5.013 min Scan# 64
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

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

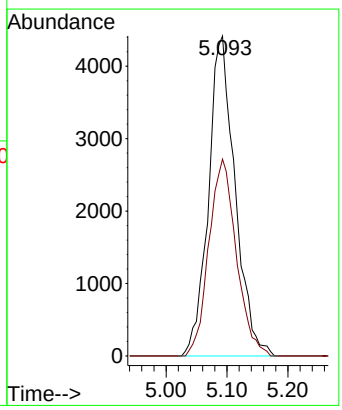


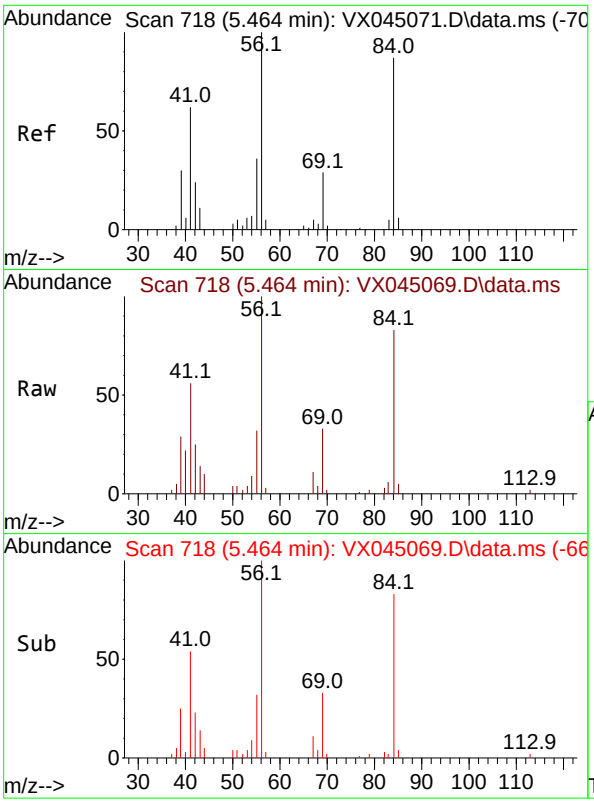


#30
Chloroform
Concen: 5.159 ug/l
RT: 5.093 min Scan# 657
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 83 Resp: 13390

Ion	Ratio	Lower	Upper
83	100		
85	61.5	51.4	77.2



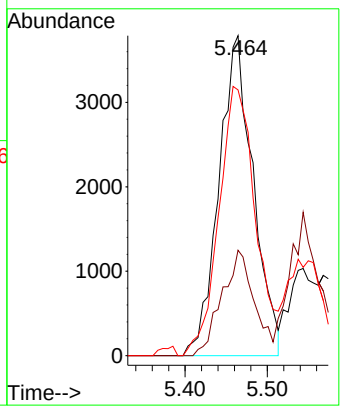


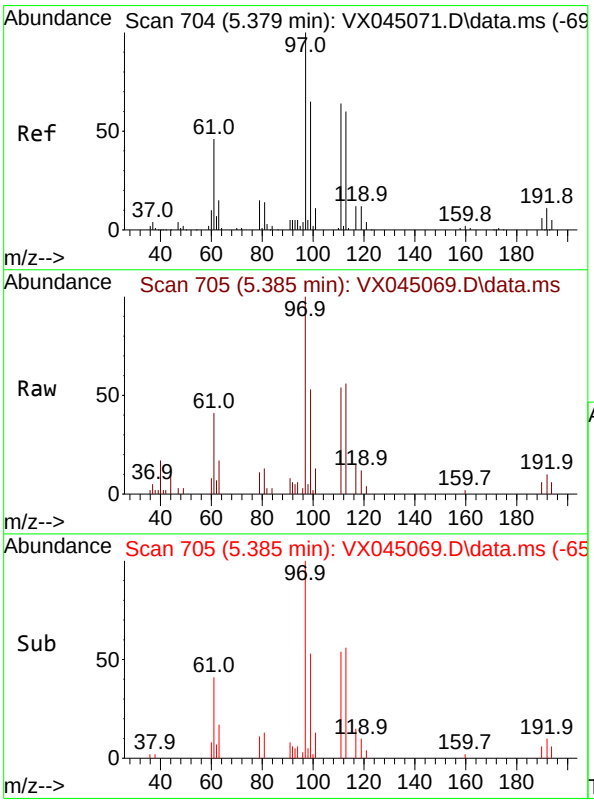
#31
Cyclohexane
Concen: 4.504 ug/l
RT: 5.464 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

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

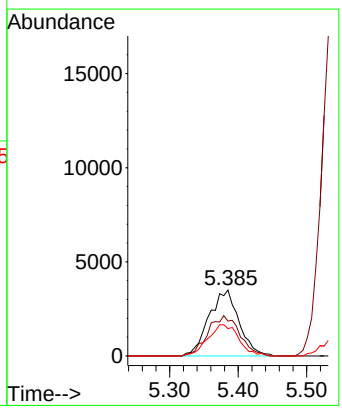


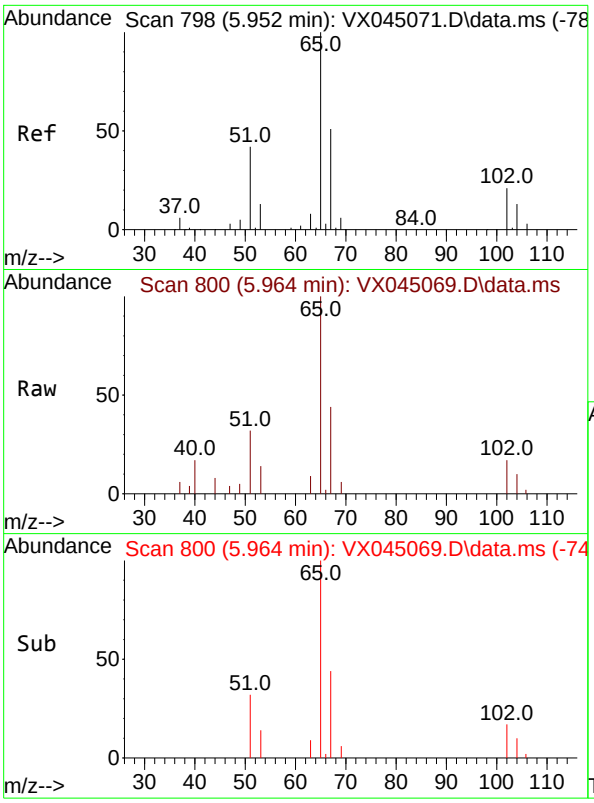


#32
1,1,1-Trichloroethane
Concen: 4.876 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

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



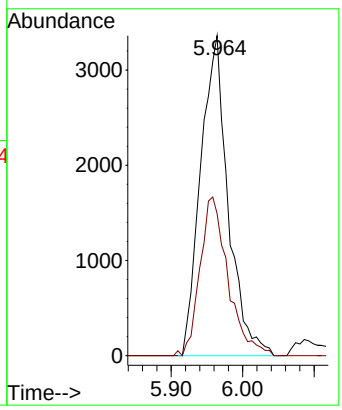


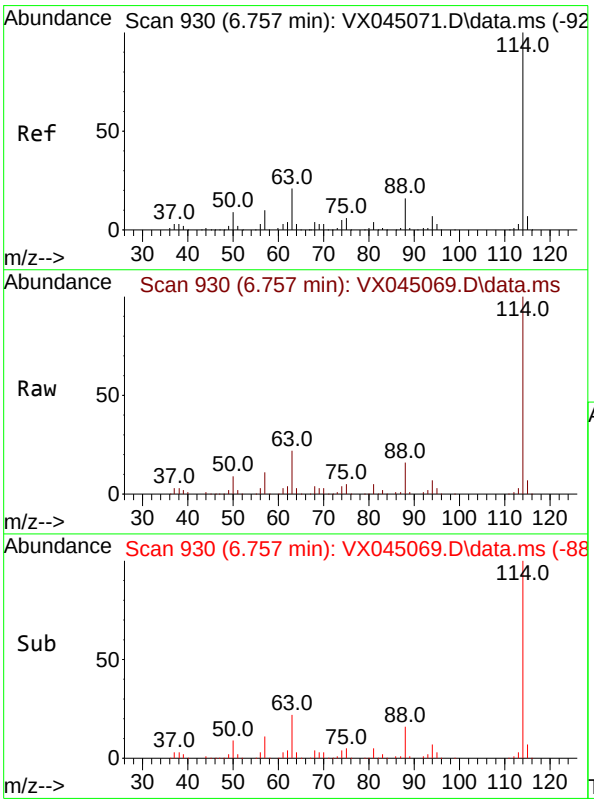
#33
1,2-Dichloroethane-d4
Concen: 5.659 ug/l
RT: 5.964 min Scan# 8
Delta R.T. 0.012 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 65 Resp: 8978

Ion	Ratio	Lower	Upper
65	100		
67	50.5	0.0	106.2

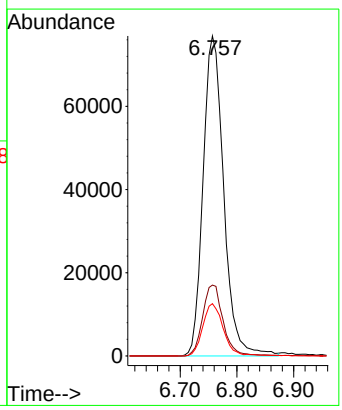


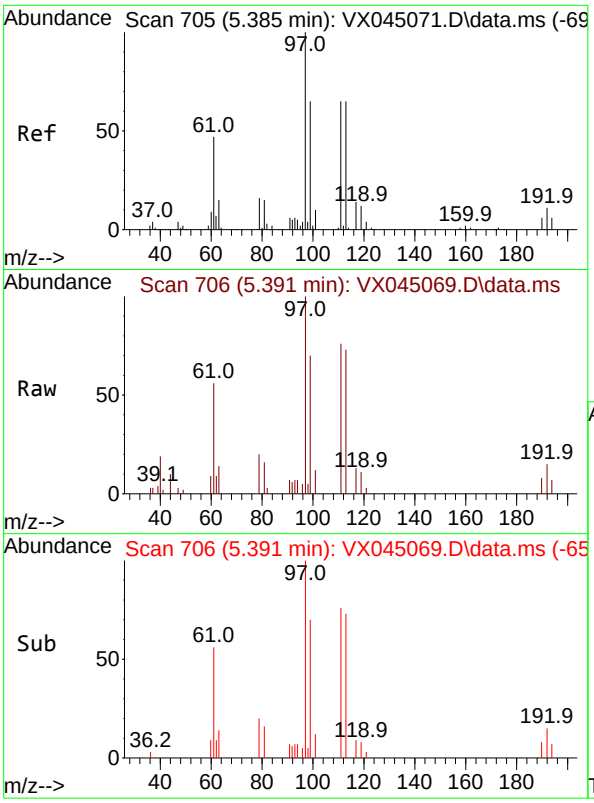


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

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



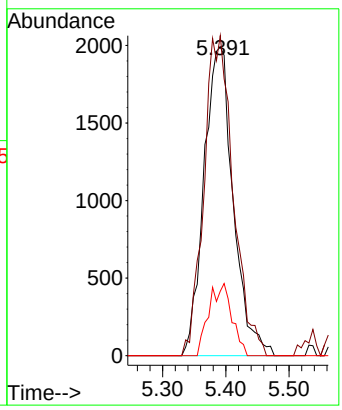


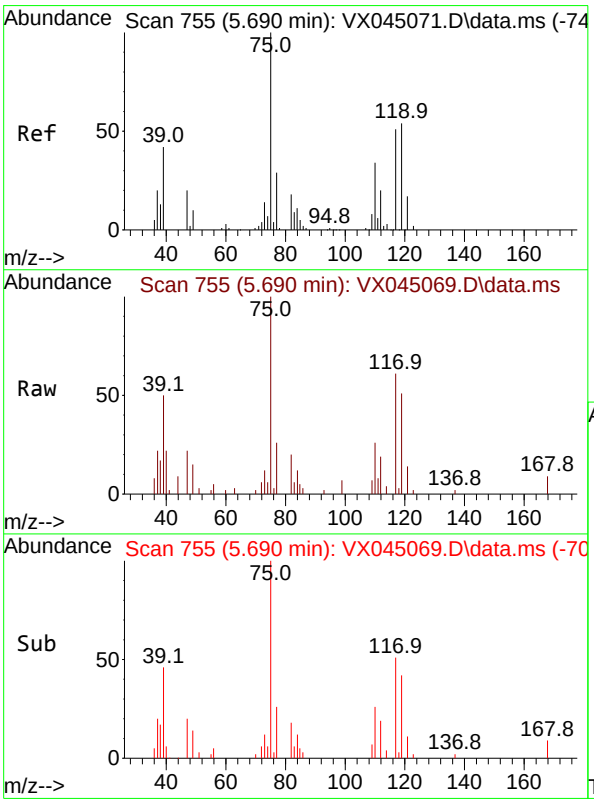
#35
Dibromofluoromethane
Concen: 5.039 ug/l
RT: 5.391 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

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

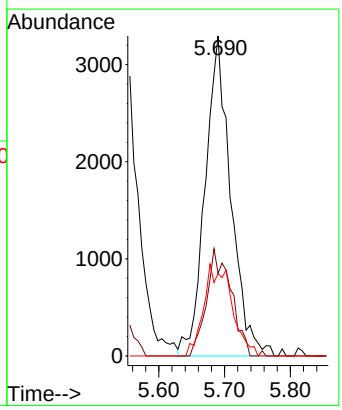


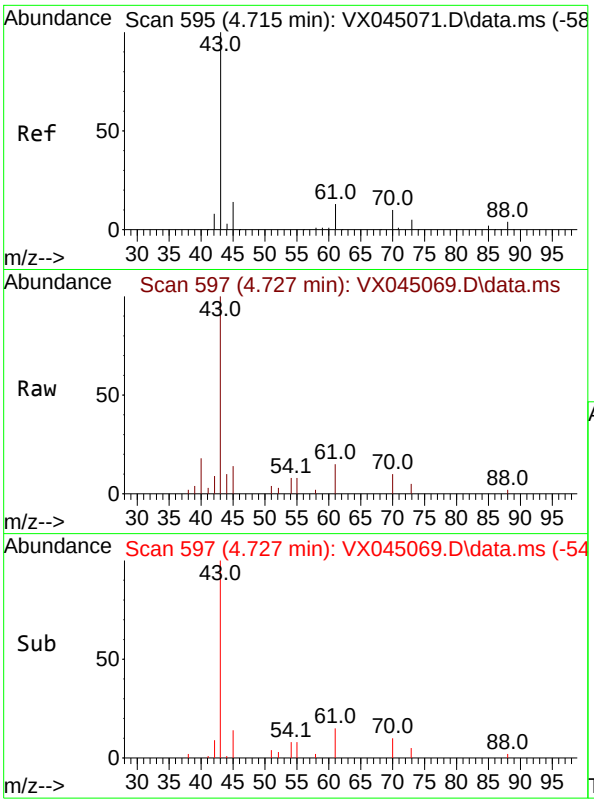


#36
1,1-Dichloropropene
Concen: 4.917 ug/l
RT: 5.690 min Scan# 755
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

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#



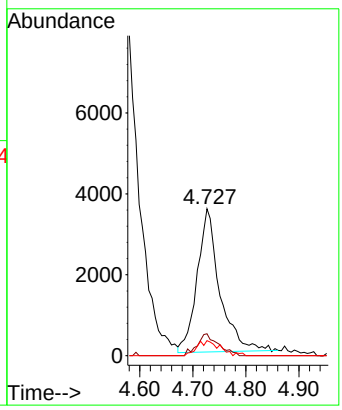


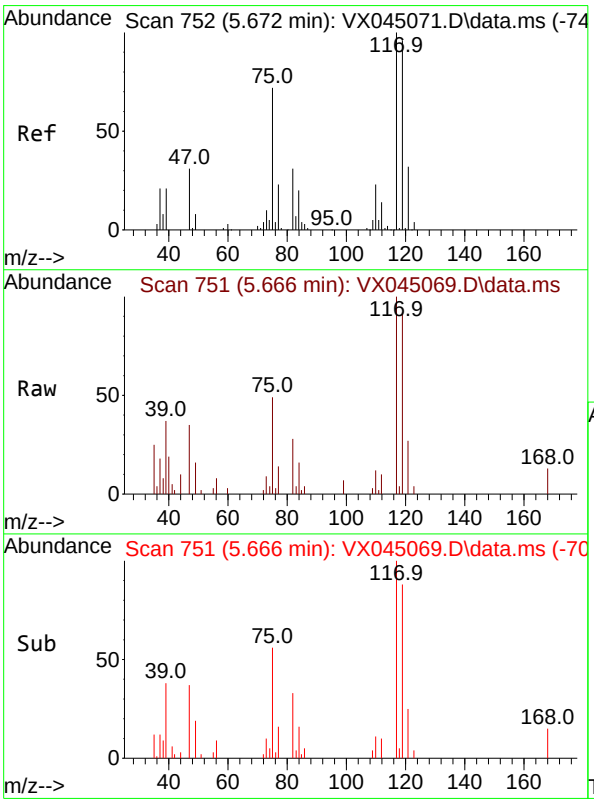
#37
Ethyl Acetate
Concen: 5.035 ug/l
RT: 4.727 min Scan# 5
Delta R.T. 0.012 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

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

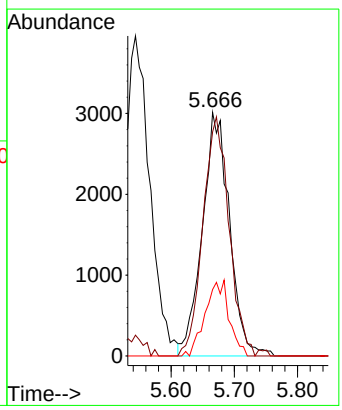


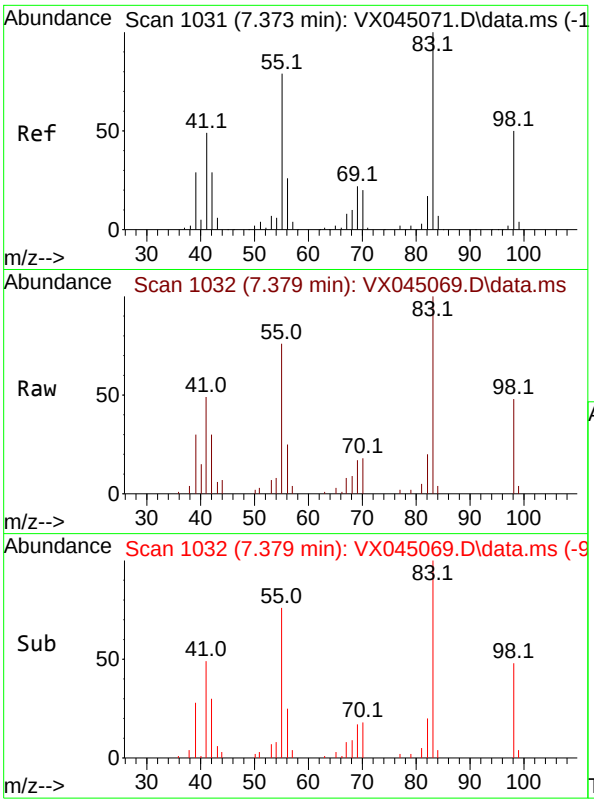


#38
Carbon Tetrachloride
Concen: 5.013 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

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



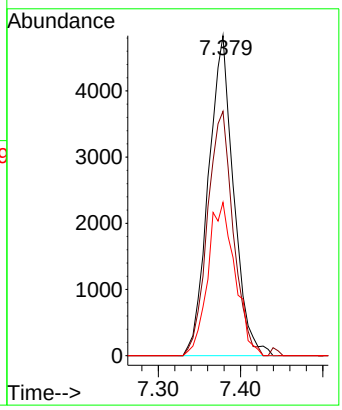


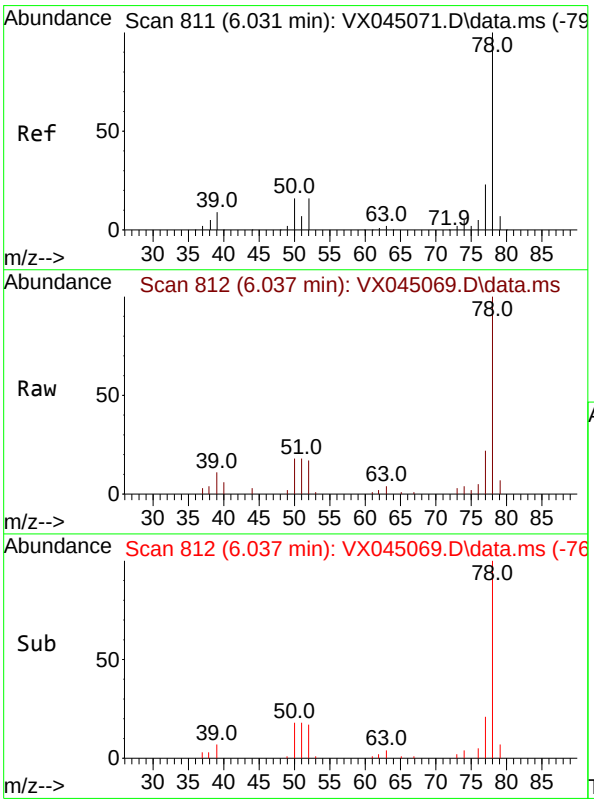
#39
Methylcyclohexane
Concen: 4.414 ug/l
RT: 7.379 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

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

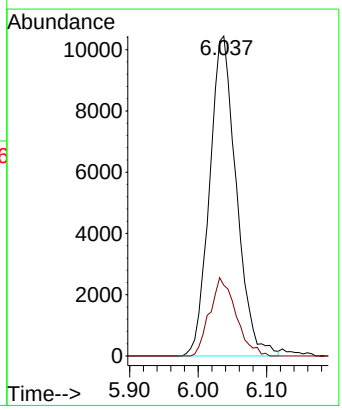


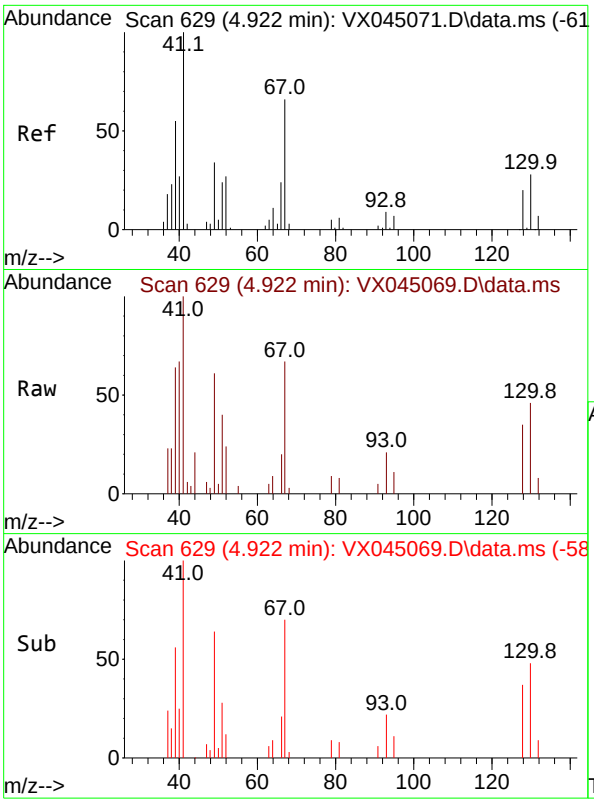


#40
Benzene
Concen: 4.966 ug/l
RT: 6.037 min Scan# 812
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 78 Resp: 28339

Ion	Ratio	Lower	Upper
78	100		
77	22.1	18.8	28.2



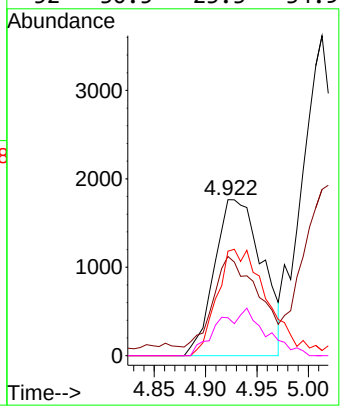


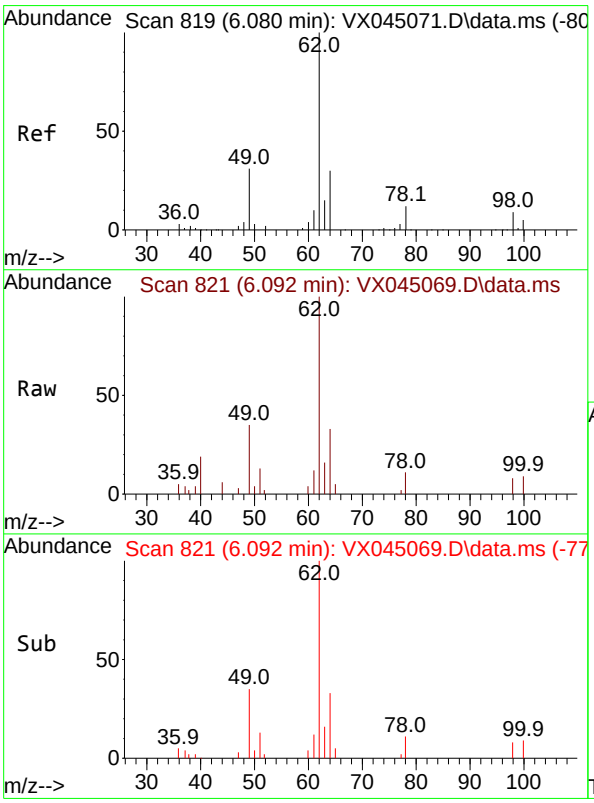
#41
Methacrylonitrile
Concen: 5.136 ug/l
RT: 4.922 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

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

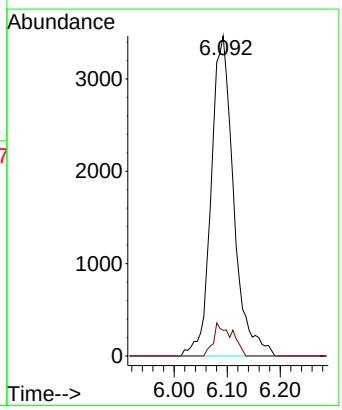


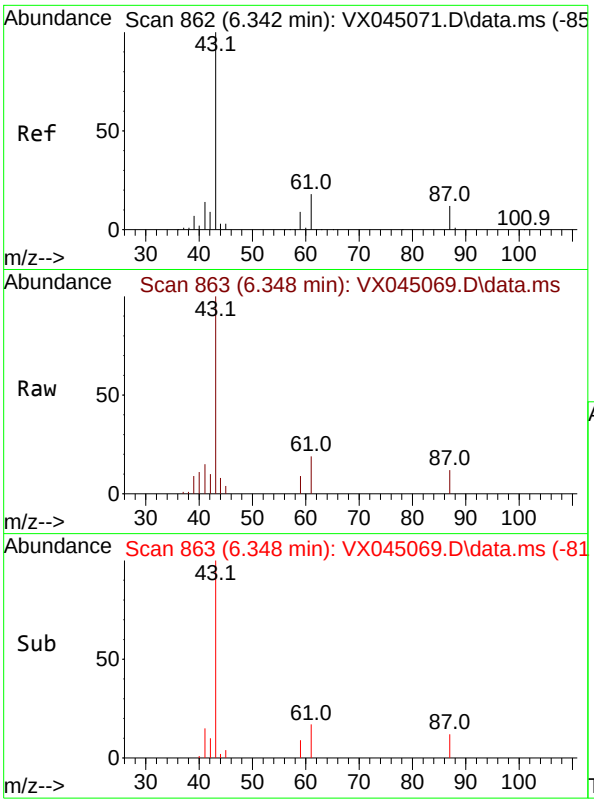


#42
1,2-Dichloroethane
Concen: 5.510 ug/l
RT: 6.092 min Scan# 821
Delta R.T. 0.012 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 62 Resp: 10189

Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	18.2



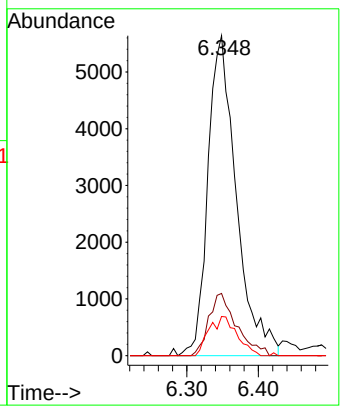


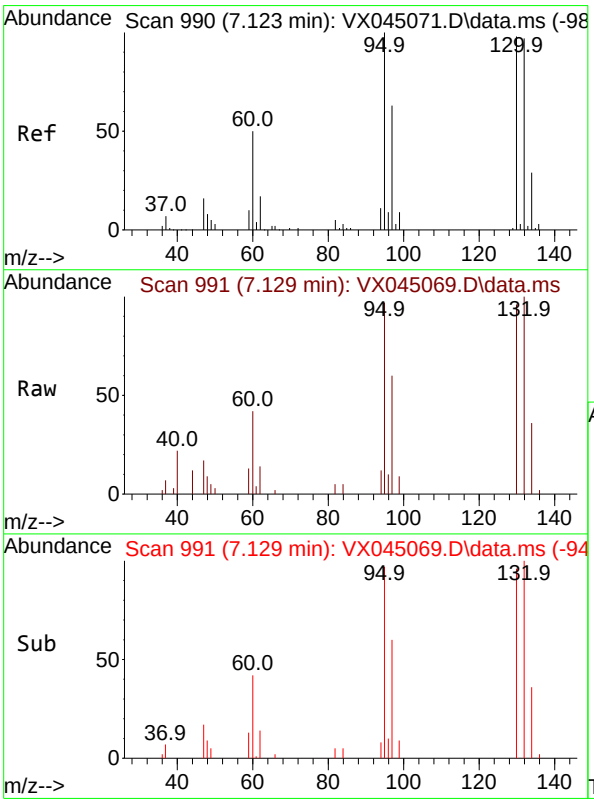
#43
Isopropyl Acetate
Concen: 4.700 ug/l
RT: 6.348 min Scan# 8
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

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

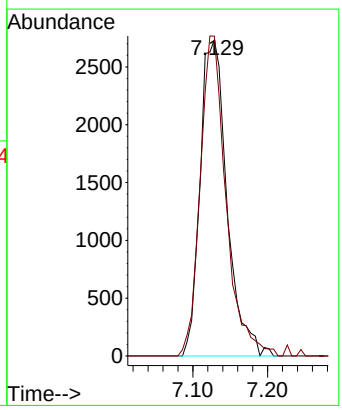


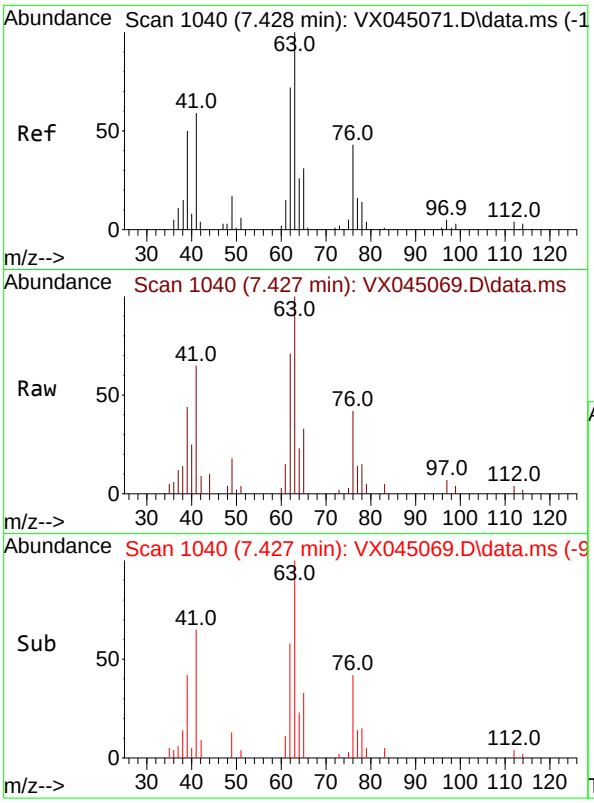


#44
Trichloroethene
Concen: 5.234 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:130 Resp: 6827

Ion	Ratio	Lower	Upper
130	100		
95	101.2	0.0	205.0



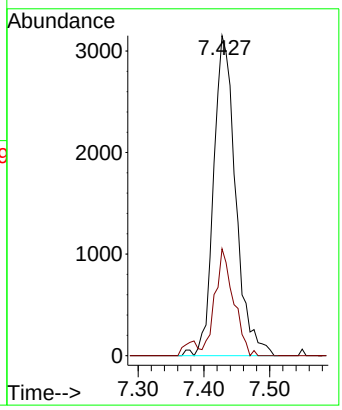


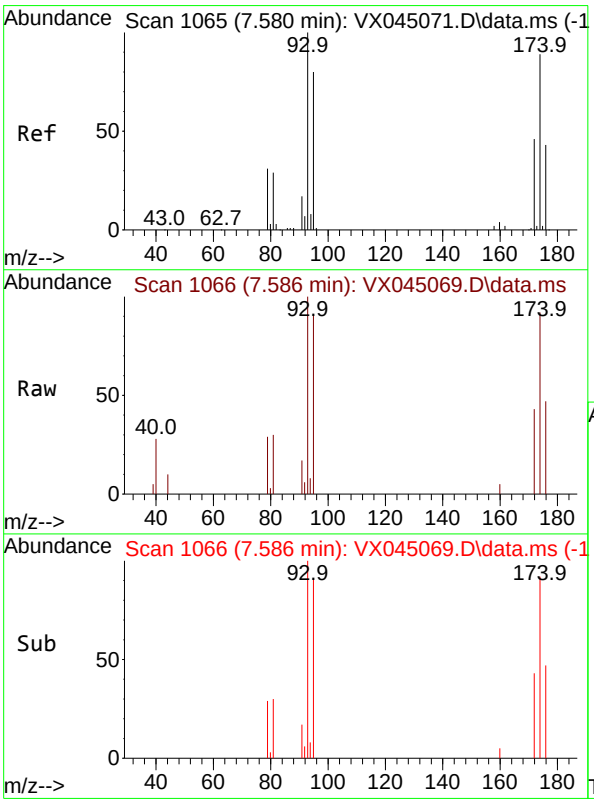
#45
1,2-Dichloropropane
Concen: 5.177 ug/l
RT: 7.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 63 Resp: 7342

Ion	Ratio	Lower	Upper
63	100		
65	33.4	24.7	37.1

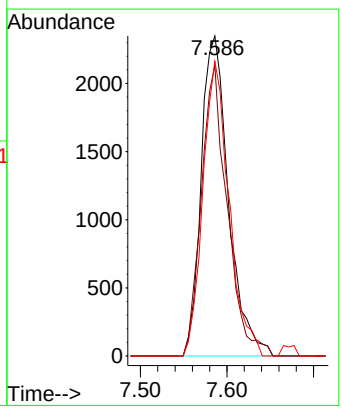


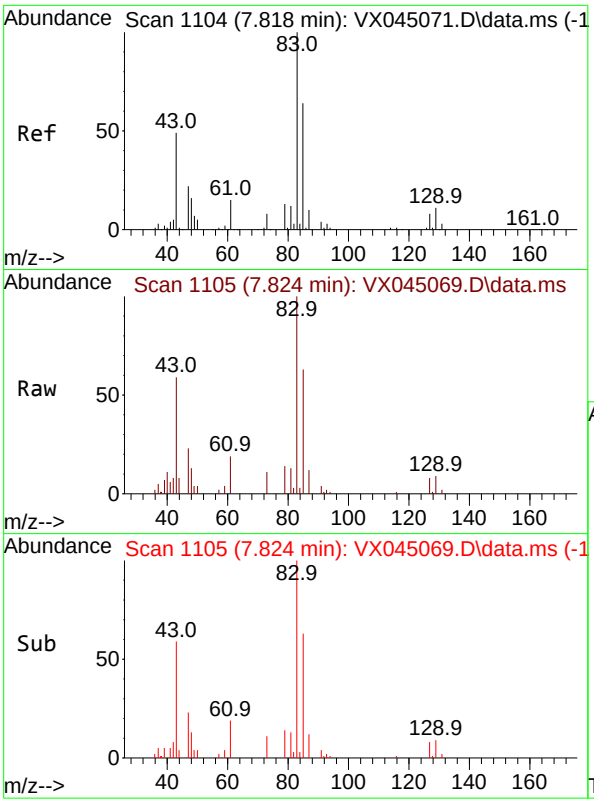


#46
Dibromomethane
Concen: 5.195 ug/l
RT: 7.586 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

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



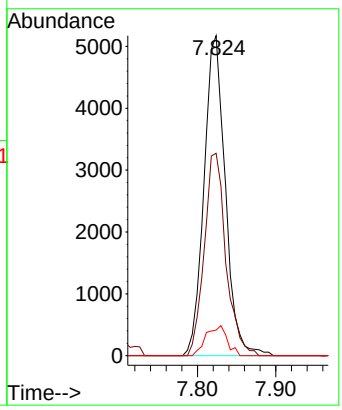


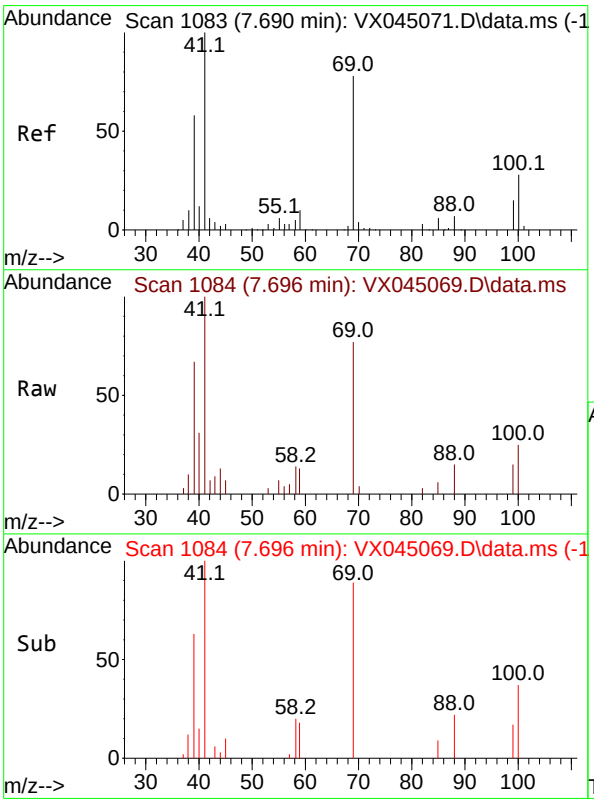
#47
Bromodichloromethane
Concen: 5.100 ug/l
RT: 7.824 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

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

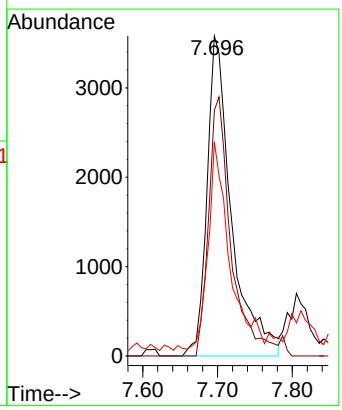


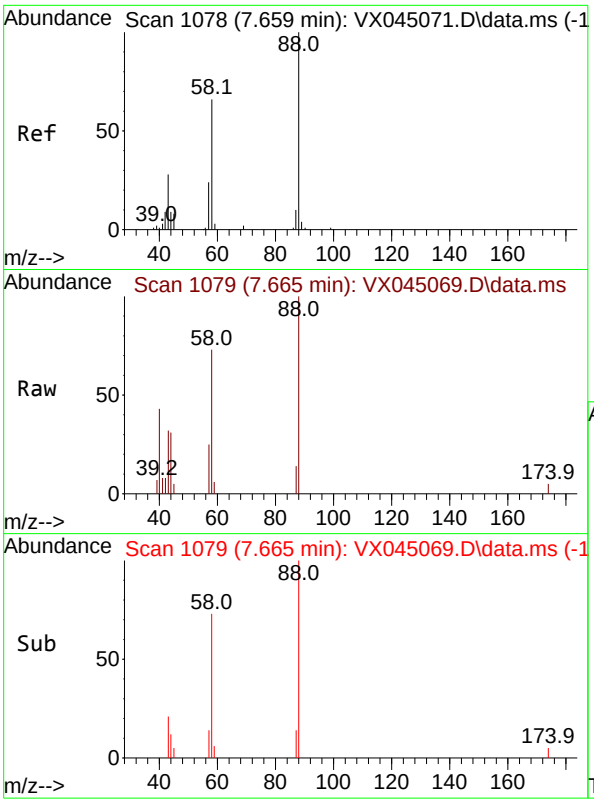


#48
Methyl methacrylate
Concen: 5.224 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

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



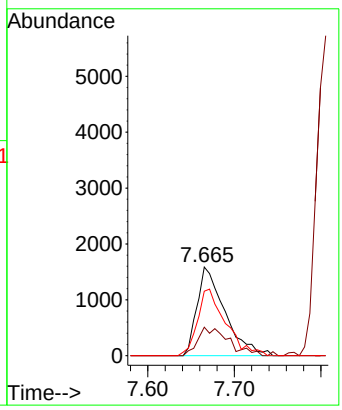


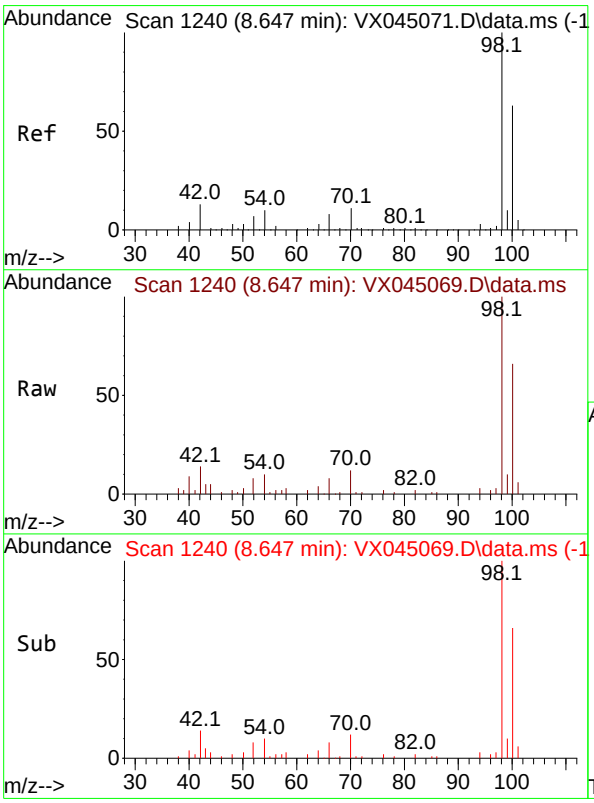
#49
1,4-Dioxane
Concen: 105.826 ug/l
RT: 7.665 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

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

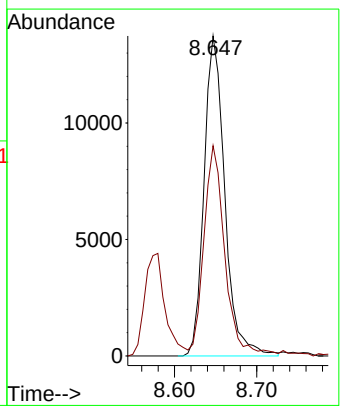


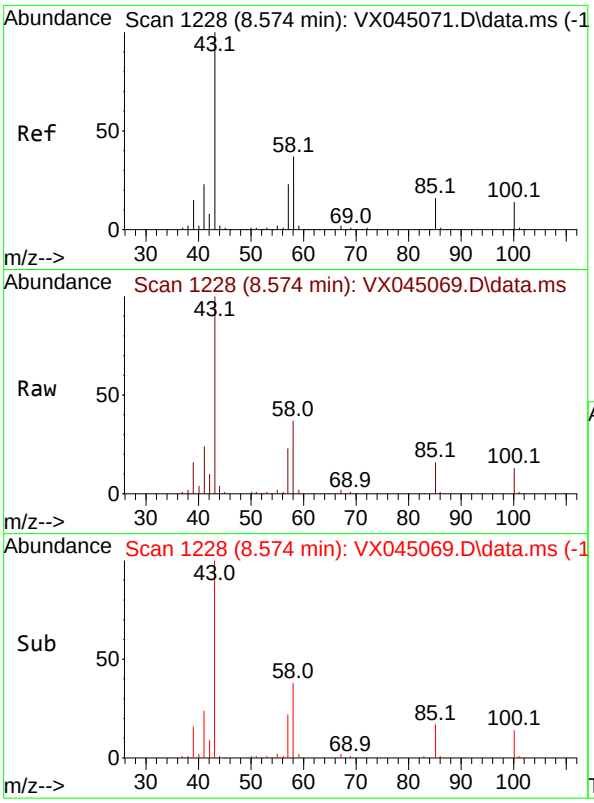


#50
Toluene-d8
Concen: 5.057 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 98 Resp: 24037

Ion	Ratio	Lower	Upper
98	100		
100	64.6	52.0	78.0



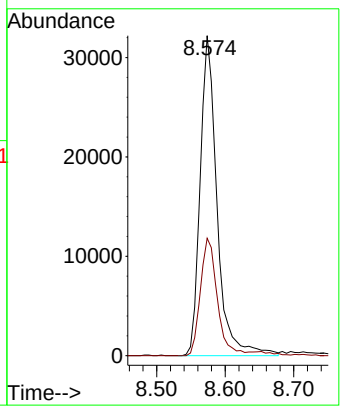


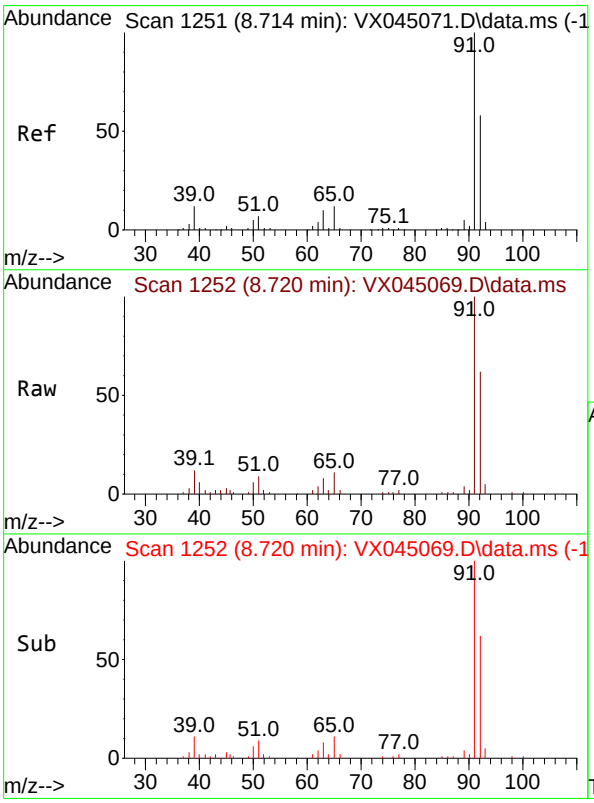
#51
4-Methyl-2-Pentanone
Concen: 27.303 ug/l
RT: 8.574 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 55320

Ion	Ratio	Lower	Upper
43	100		
58	36.8	29.2	43.8

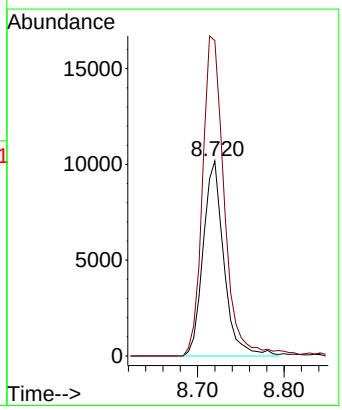


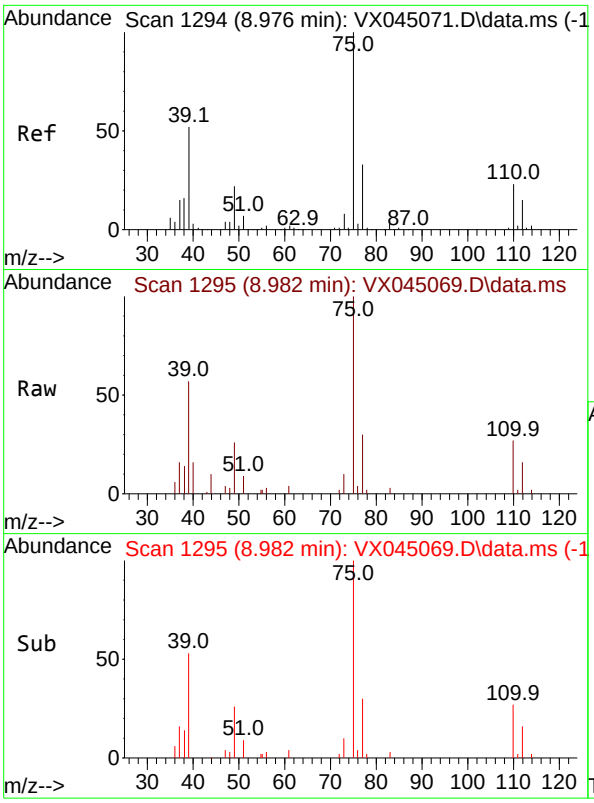


#52
Toluene
Concen: 4.997 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 92 Resp: 16933

Ion	Ratio	Lower	Upper
92	100		
91	172.6	138.9	208.3



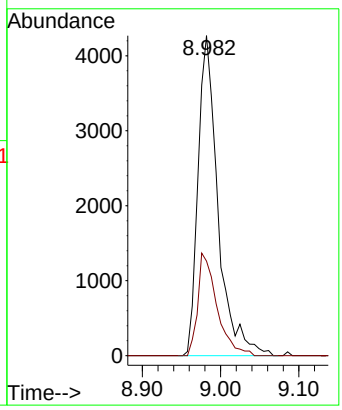


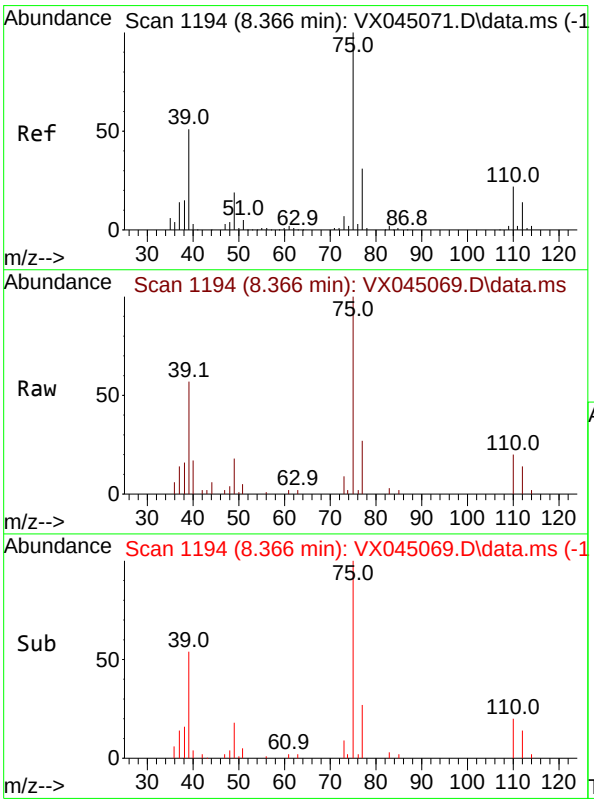
#53
t-1,3-Dichloropropene
Concen: 3.985 ug/l
RT: 8.982 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 75 Resp: 7548

Ion	Ratio	Lower	Upper
75	100		
77	29.6	26.5	39.7

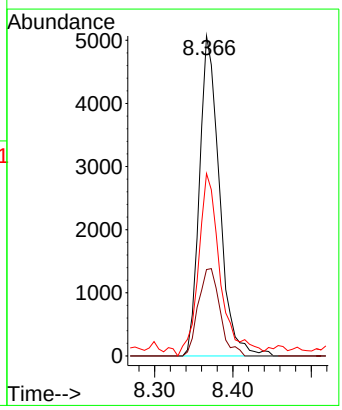


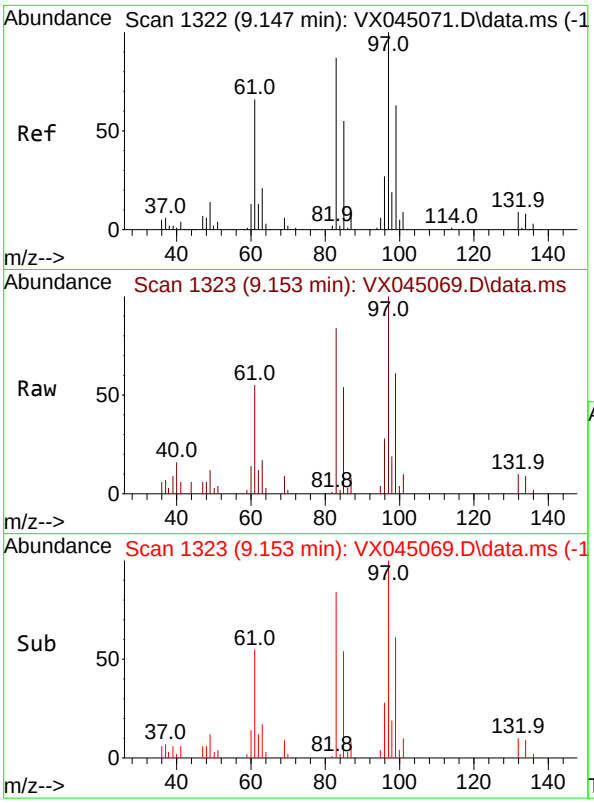


#54
cis-1,3-Dichloropropene
Concen: 4.244 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

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



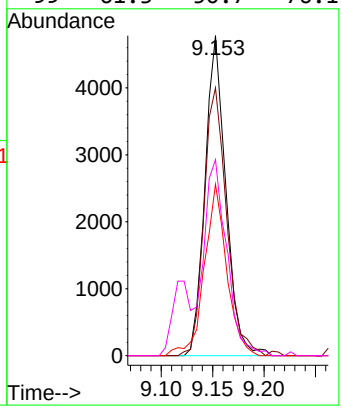


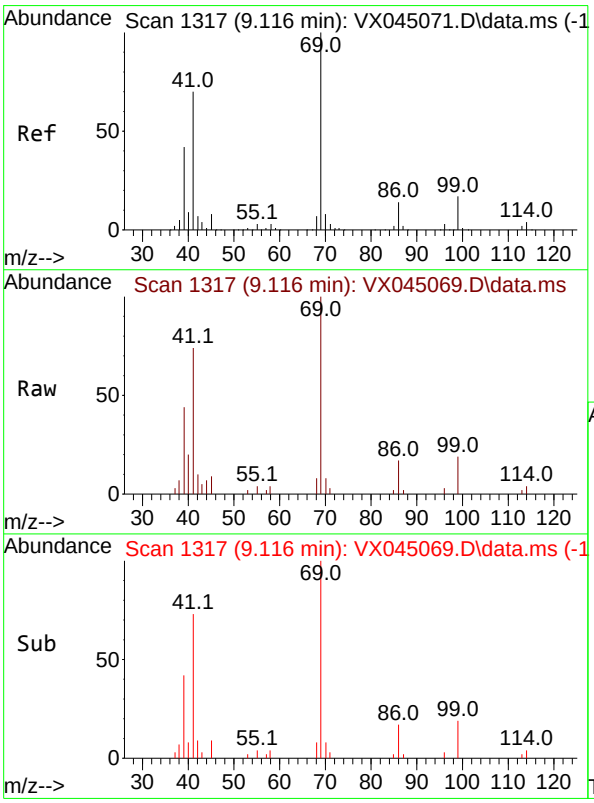
#55
1,1,2-Trichloroethane
Concen: 5.151 ug/l
RT: 9.153 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

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

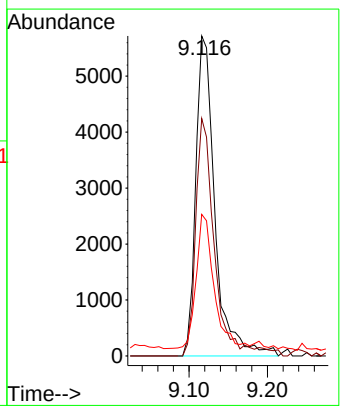


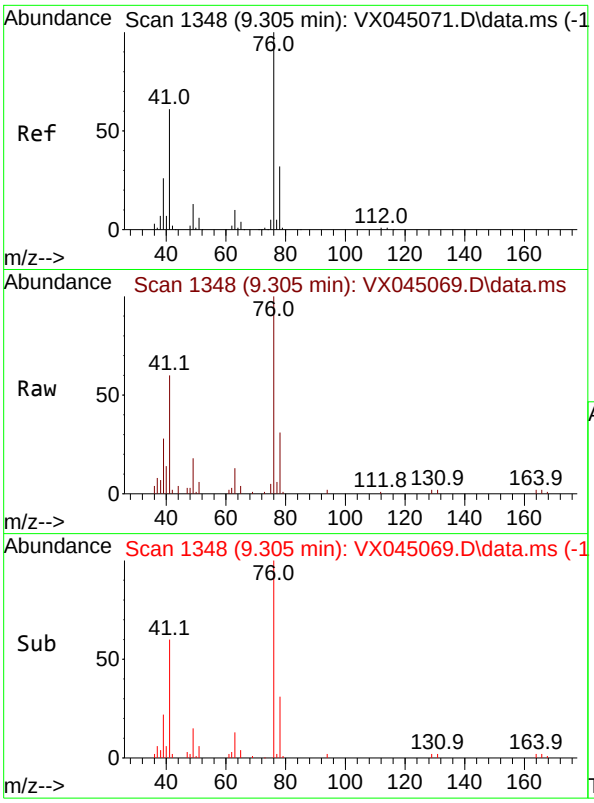


#56
Ethyl methacrylate
Concen: 4.628 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

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



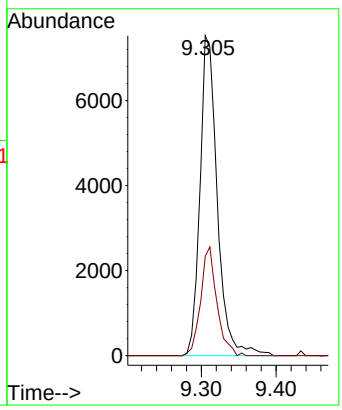


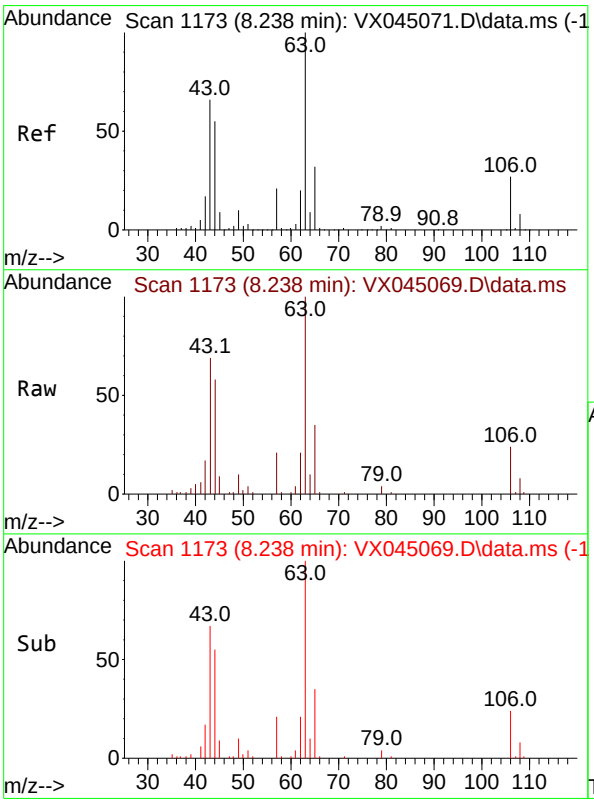
#57
1,3-Dichloropropane
Concen: 5.289 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 76 Resp: 12106

Ion	Ratio	Lower	Upper
76	100		
78	31.9	25.5	38.3

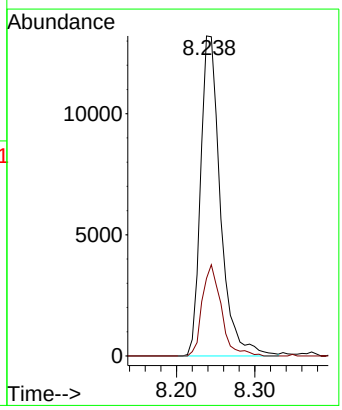


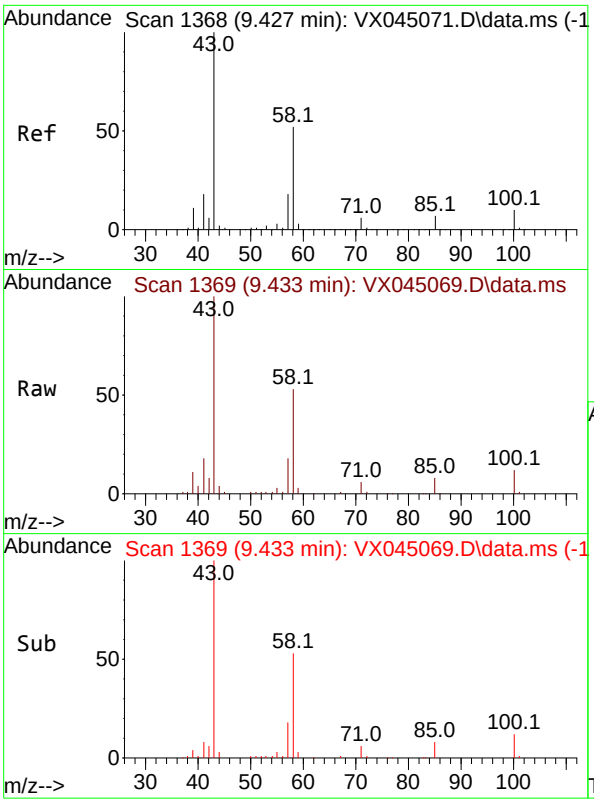


#58
2-Chloroethyl Vinyl ether
Concen: 22.527 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 63 Resp: 23212

Ion	Ratio	Lower	Upper
63	100		
106	27.4	21.5	32.3



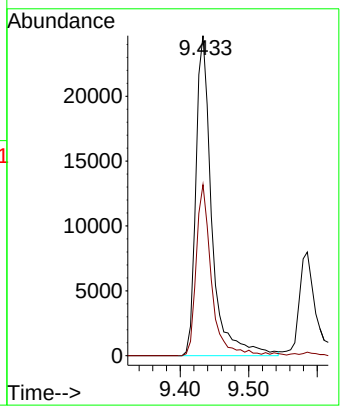


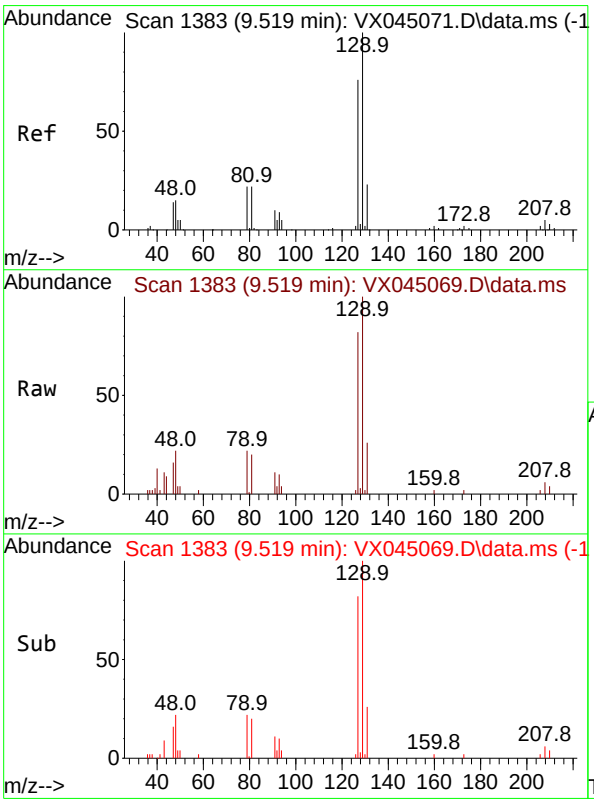
#59
2-Hexanone
Concen: 27.363 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 39994

Ion	Ratio	Lower	Upper
43	100		
58	50.7	25.9	77.6

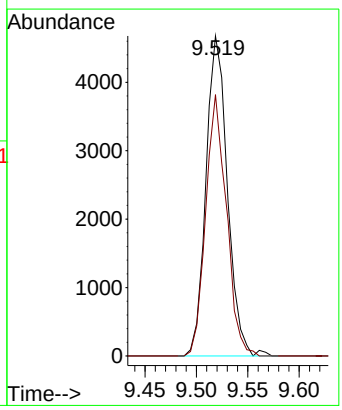


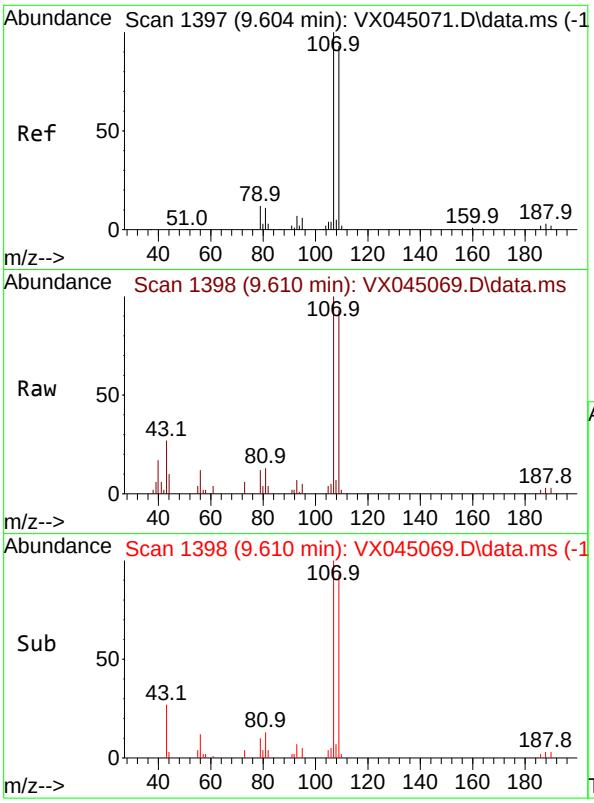


#60
Dibromochloromethane
Concen: 4.846 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:129 Resp: 6785

Ion	Ratio	Lower	Upper
129	100		
127	79.0	38.5	115.5



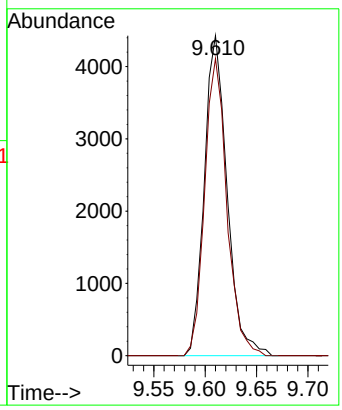


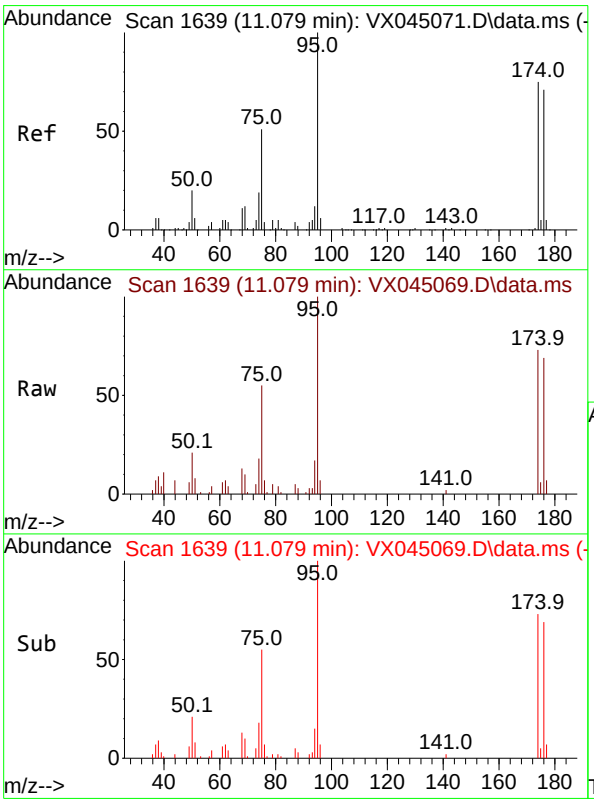
#61
1,2-Dibromoethane
Concen: 5.161 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:107 Resp: 6832

Ion	Ratio	Lower	Upper
107	100		
109	90.7	76.1	114.1

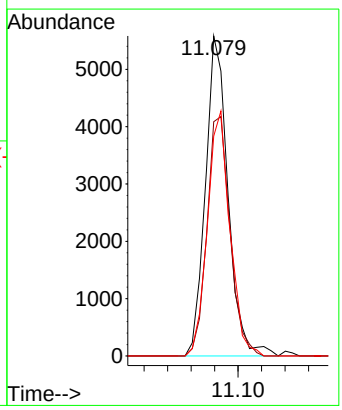


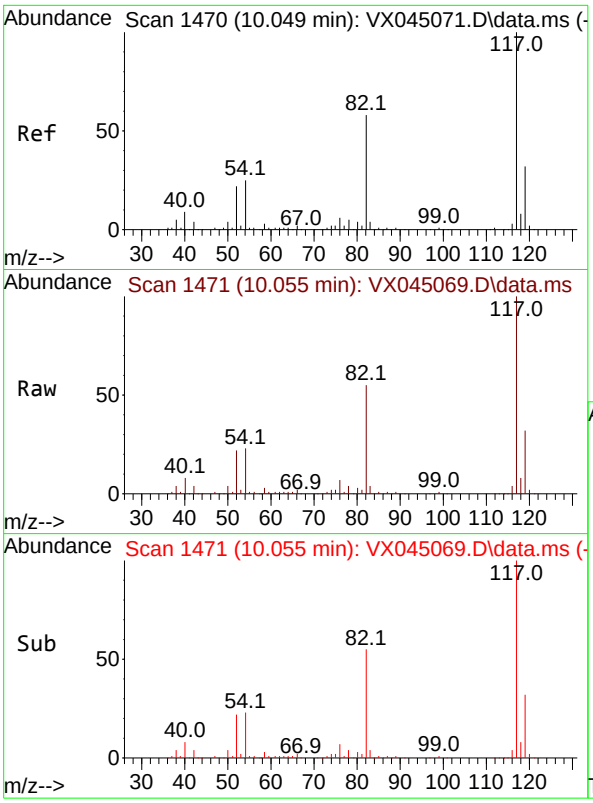


#62
4-Bromofluorobenzene
Concen: 4.685 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

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



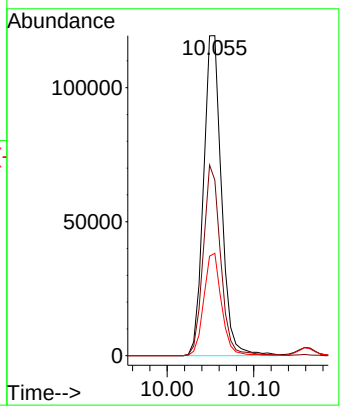


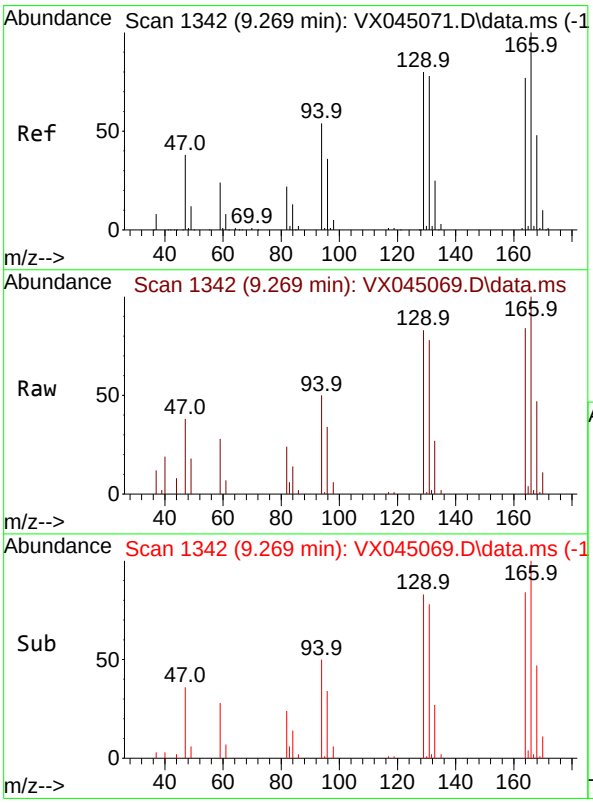
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

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

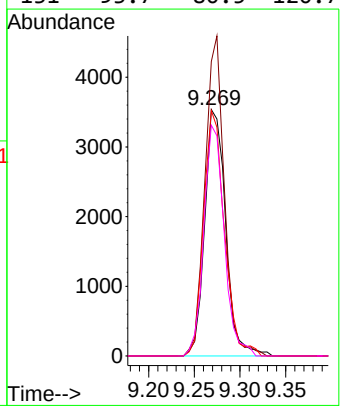


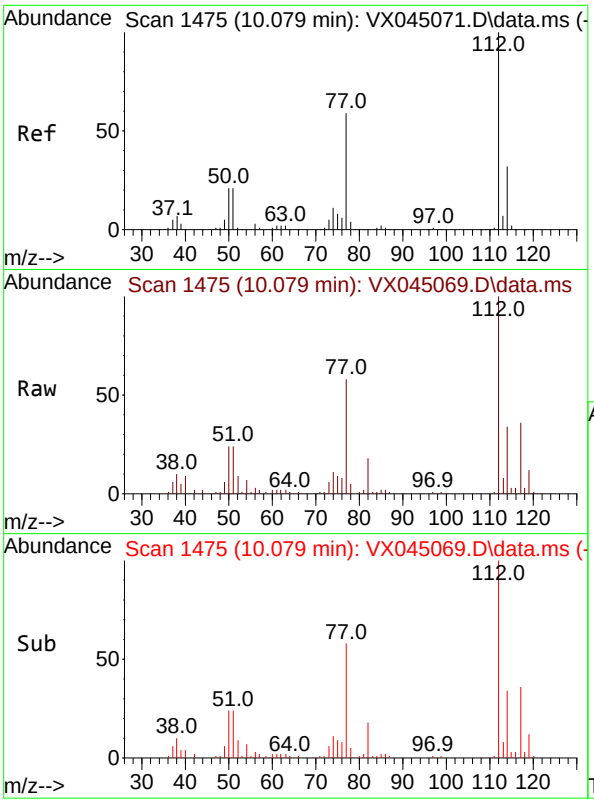


#64
Tetrachloroethene
Concen: 5.128 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

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



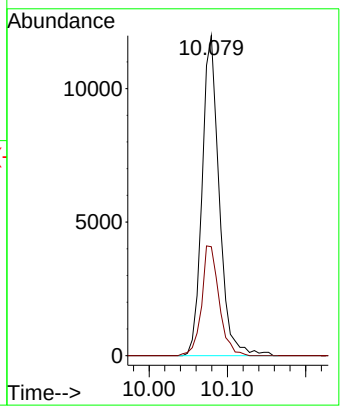


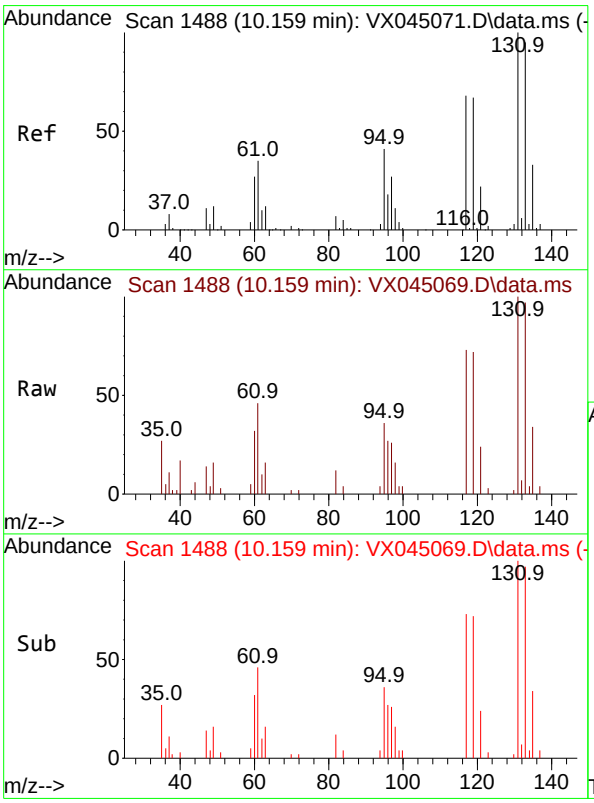
#65
Chlorobenzene
Concen: 4.908 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:112 Resp: 18161

Ion	Ratio	Lower	Upper
112	100		
114	34.0	26.0	39.0

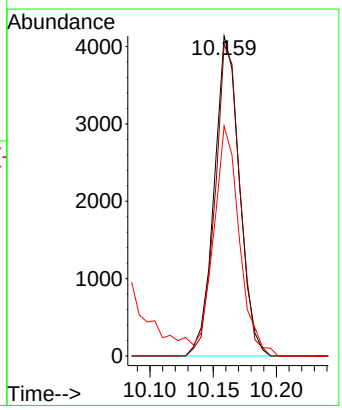


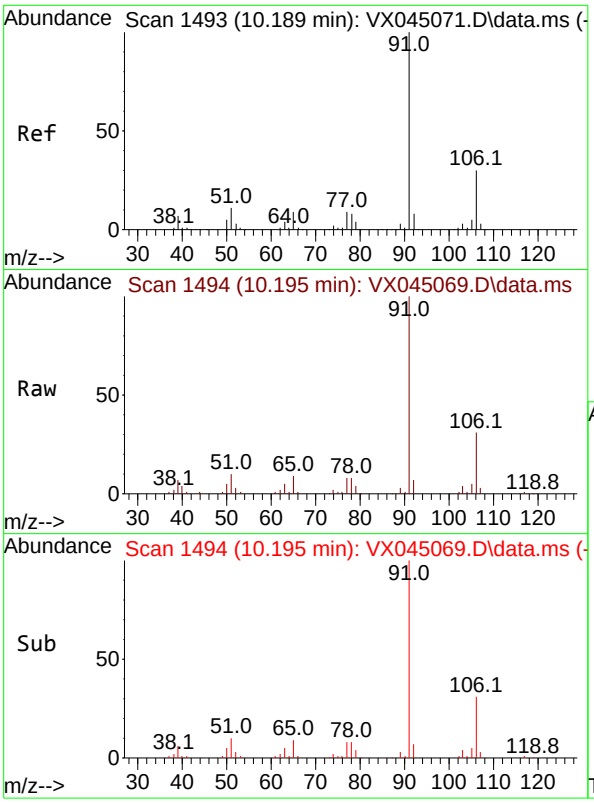


#66
1,1,1,2-Tetrachloroethane
Concen: 4.781 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

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



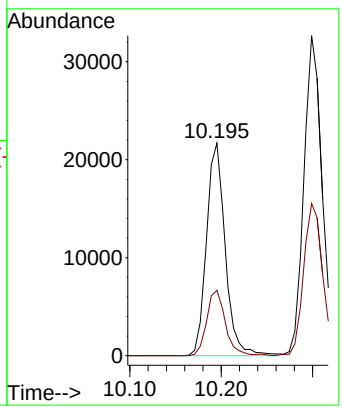


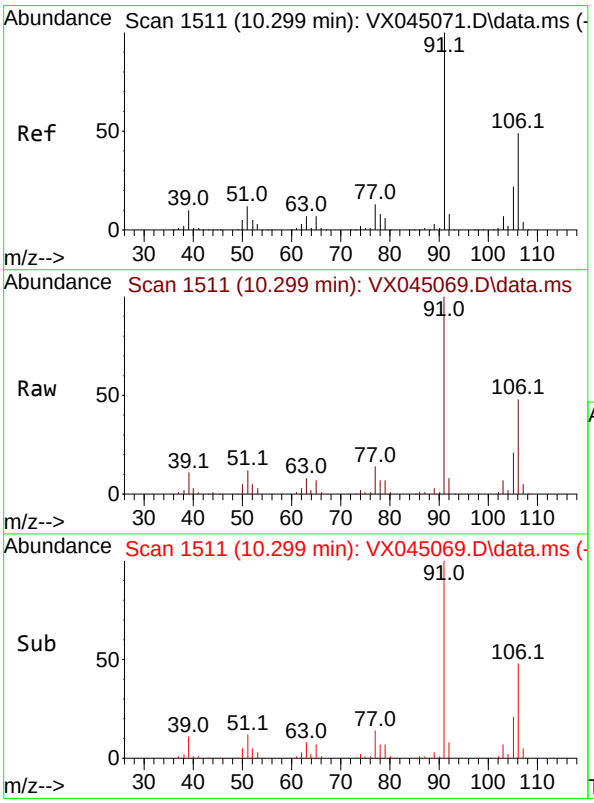
#67
Ethyl Benzene
Concen: 4.725 ug/l
RT: 10.195 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 91 Resp: 30918

Ion	Ratio	Lower	Upper
91	100		
106	30.8	23.9	35.9

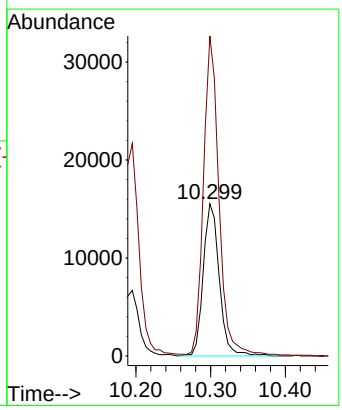


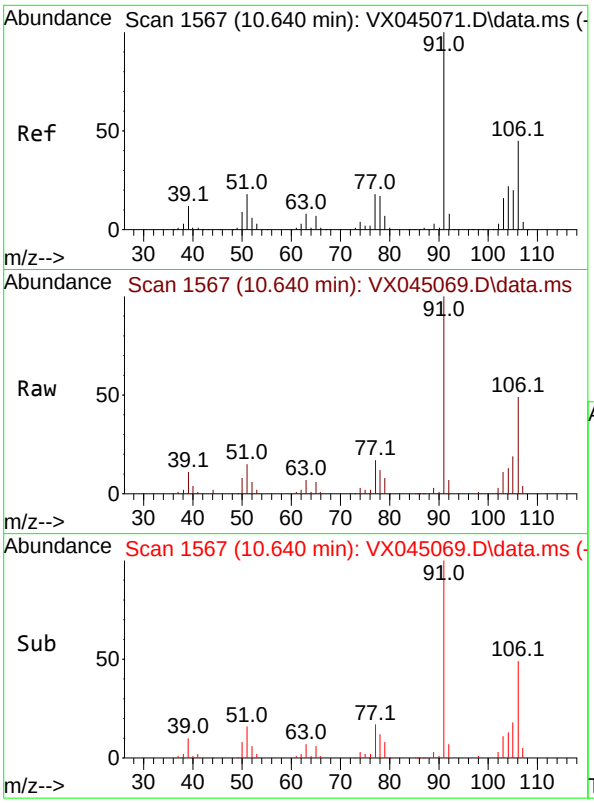


#68
m/p-Xylenes
Concen: 9.608 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:106 Resp: 23152

Ion	Ratio	Lower	Upper
106	100		
91	202.7	165.4	248.0



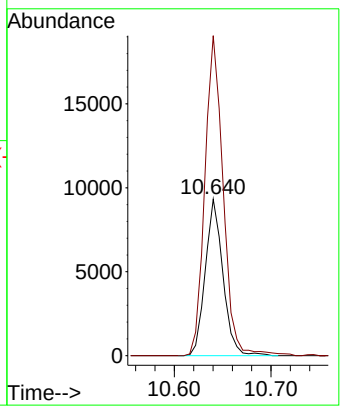


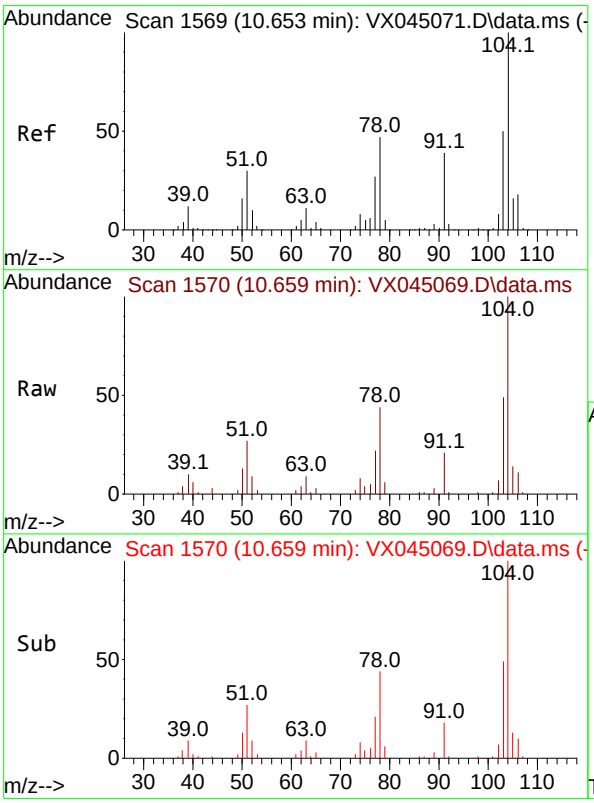
#69
o-Xylene
Concen: 4.914 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:106 Resp: 11881

Ion	Ratio	Lower	Upper
106	100		
91	211.7	109.9	329.6

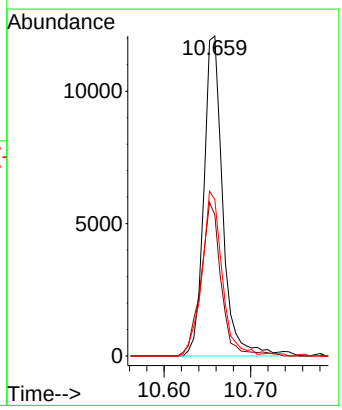


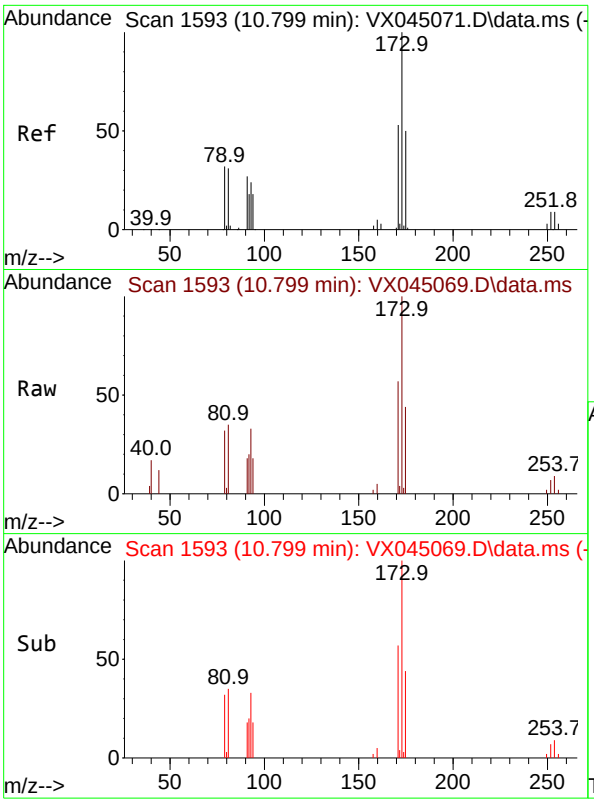


#70
Styrene
Concen: 4.704 ug/l
RT: 10.659 min Scan# 1570
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

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



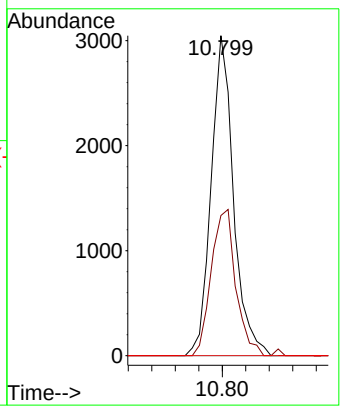


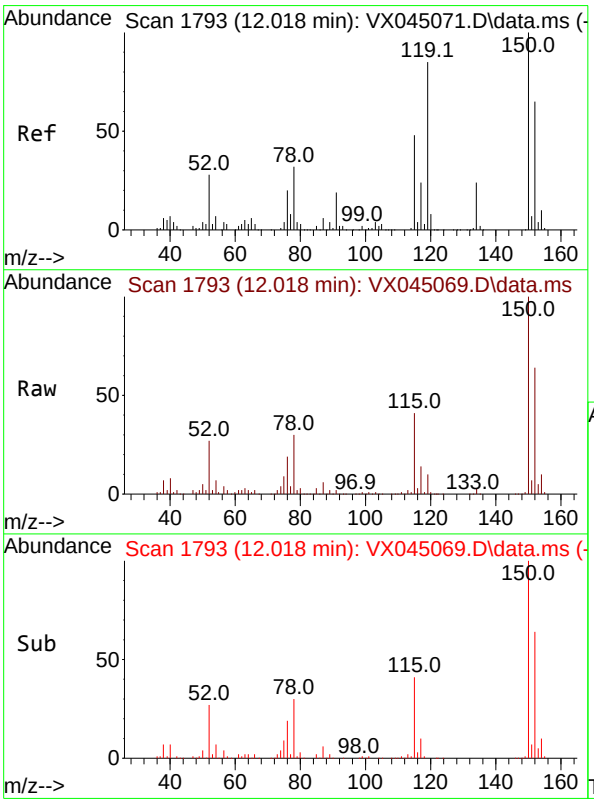
#71
Bromoform
Concen: 4.541 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

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

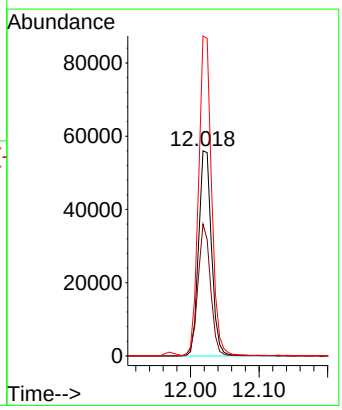


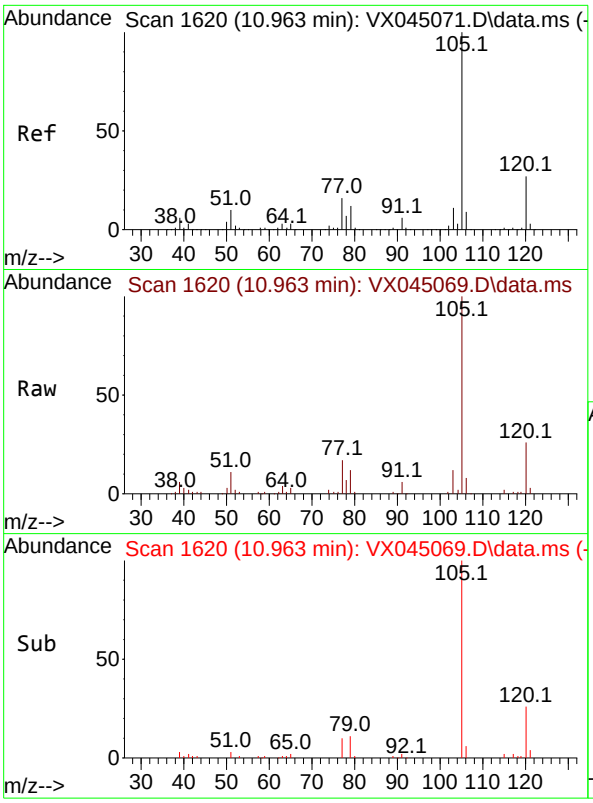


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

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



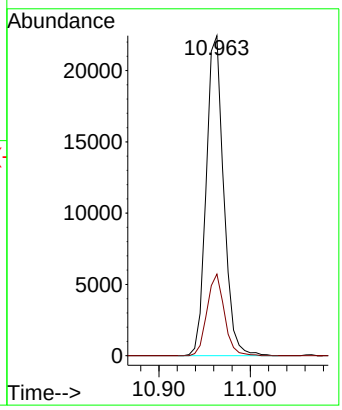


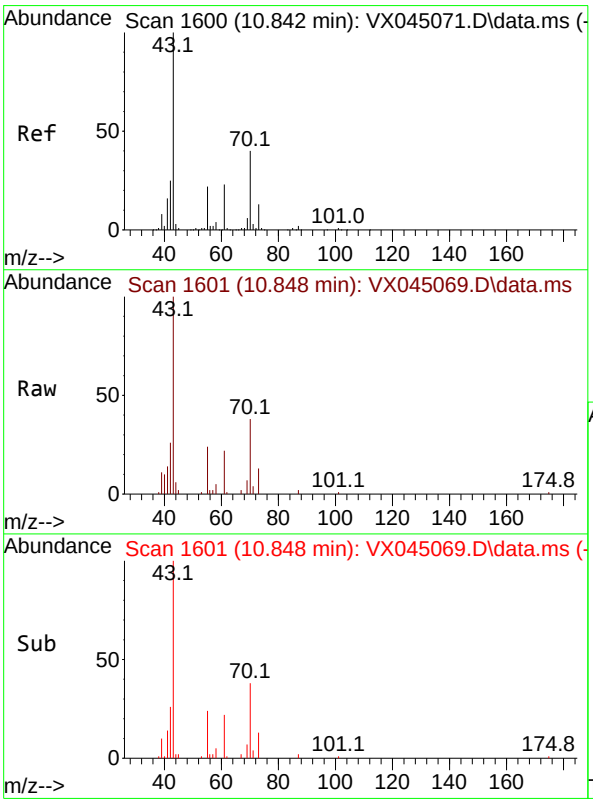
#73
Isopropylbenzene
Concen: 4.991 ug/l
RT: 10.963 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:105 Resp: 29685

Ion	Ratio	Lower	Upper
105	100		
120	25.3	13.2	39.5

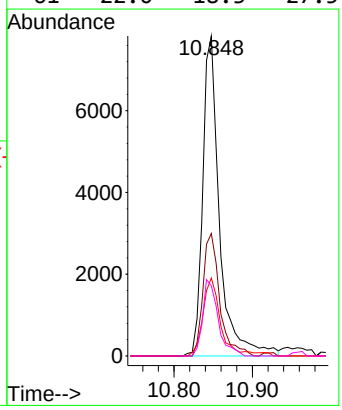


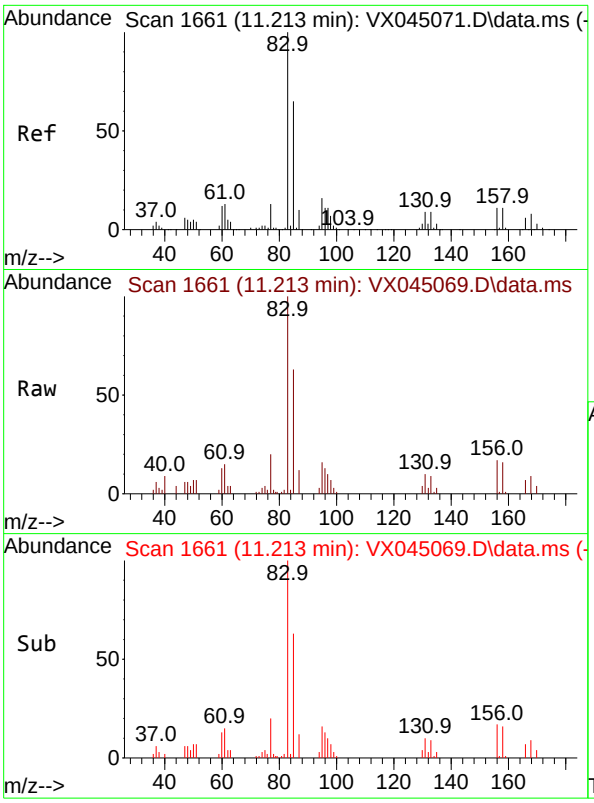


#74
N-amyl acetate
Concen: 4.300 ug/l
RT: 10.848 min Scan# 1601
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

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



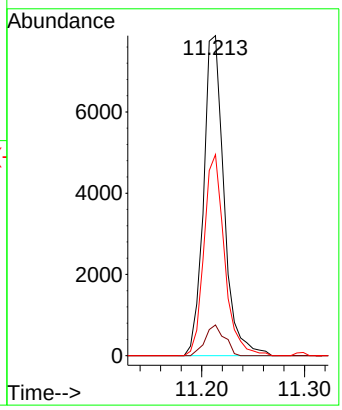


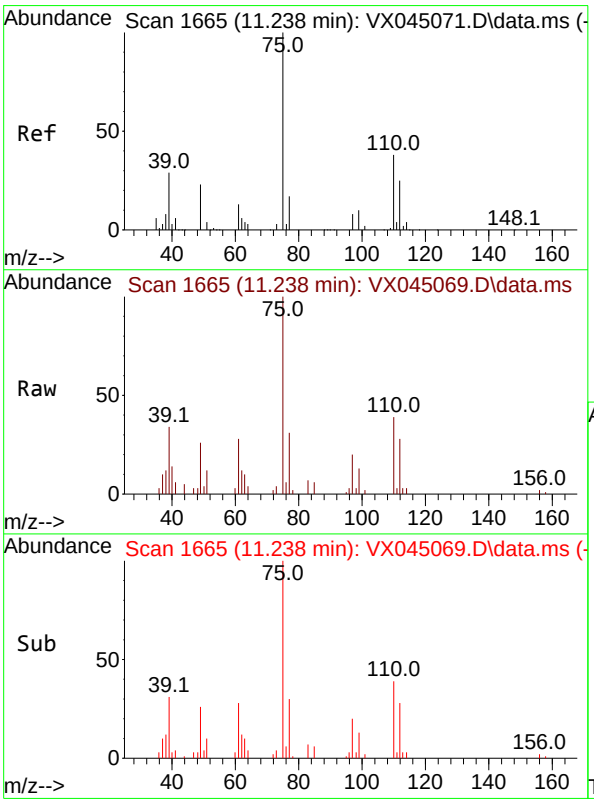
#75
1,1,2,2-Tetrachloroethane
Concen: 5.310 ug/l
RT: 11.213 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

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

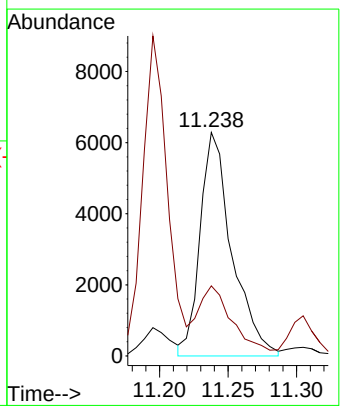


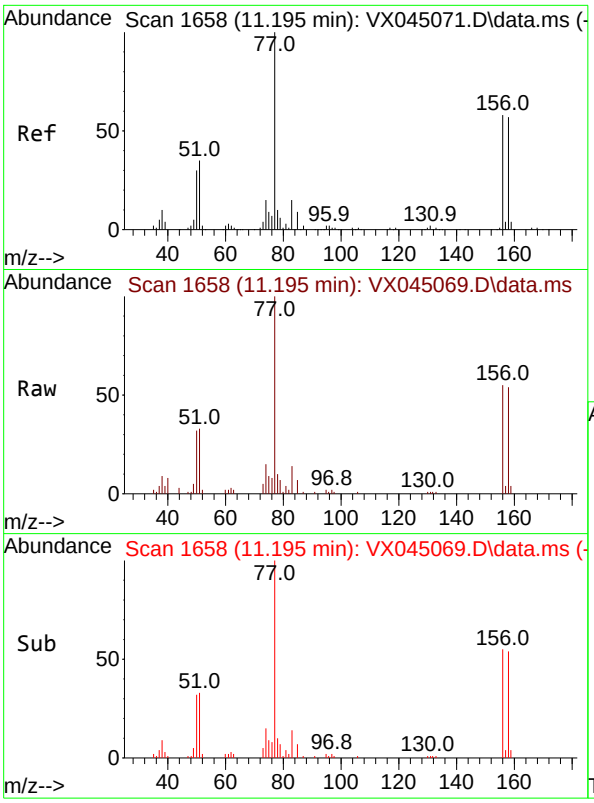


#76
1,2,3-Trichloropropane
Concen: 6.189 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 75 Resp: 10159

Ion	Ratio	Lower	Upper
75	100		
77	34.6	20.7	62.1



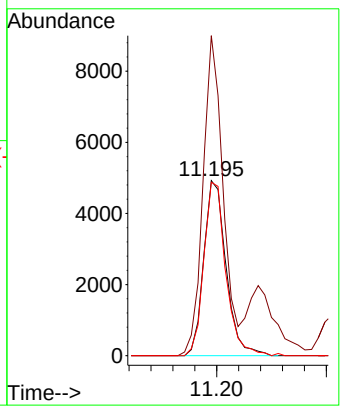


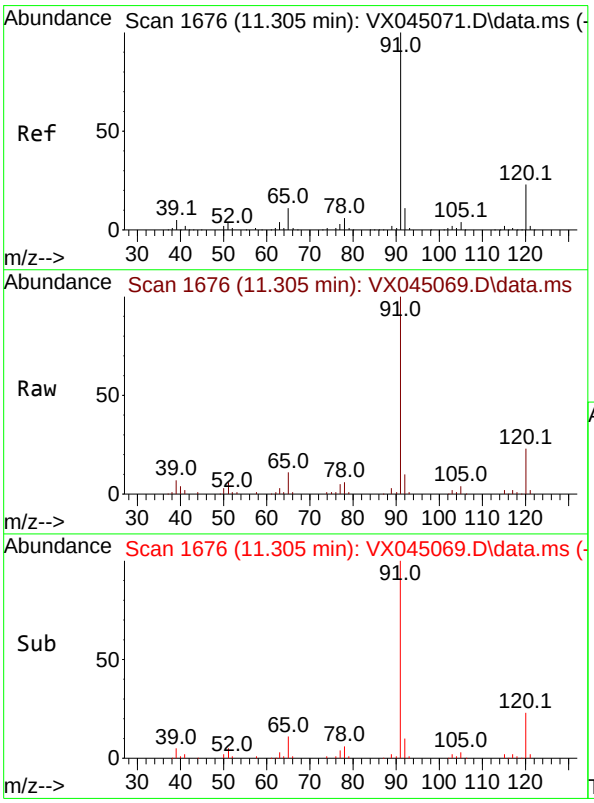
#77
Bromobenzene
Concen: 5.163 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

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

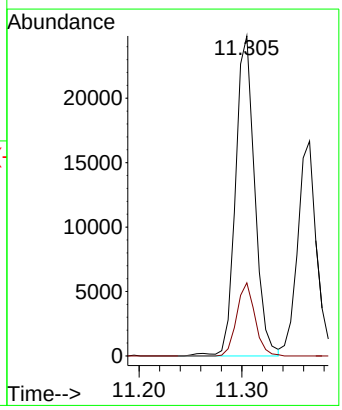


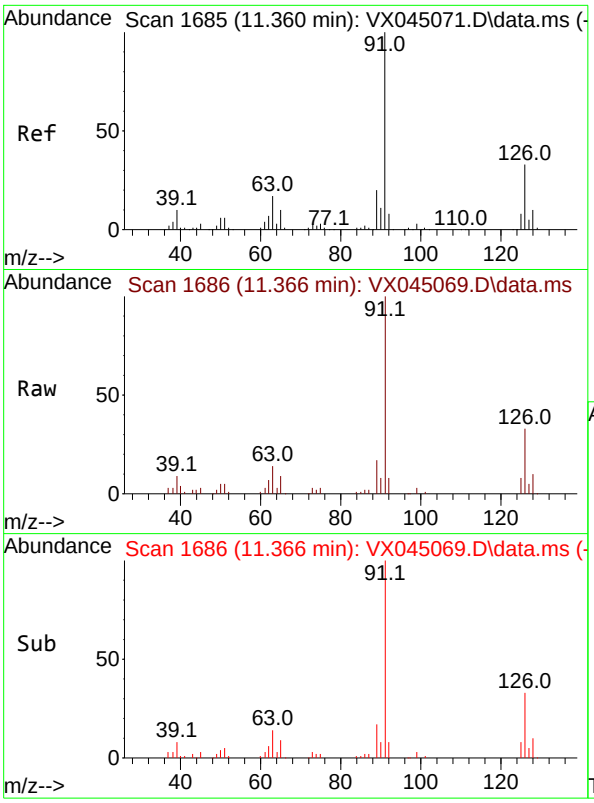


#78
n-propylbenzene
Concen: 4.694 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 91 Resp: 32196

Ion	Ratio	Lower	Upper
91	100		
120	21.7	11.2	33.6



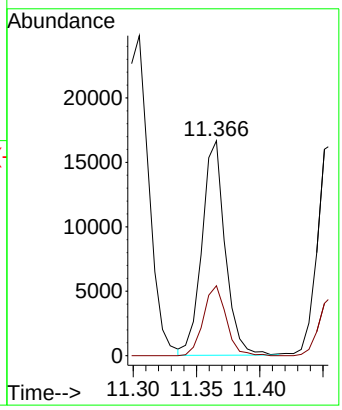


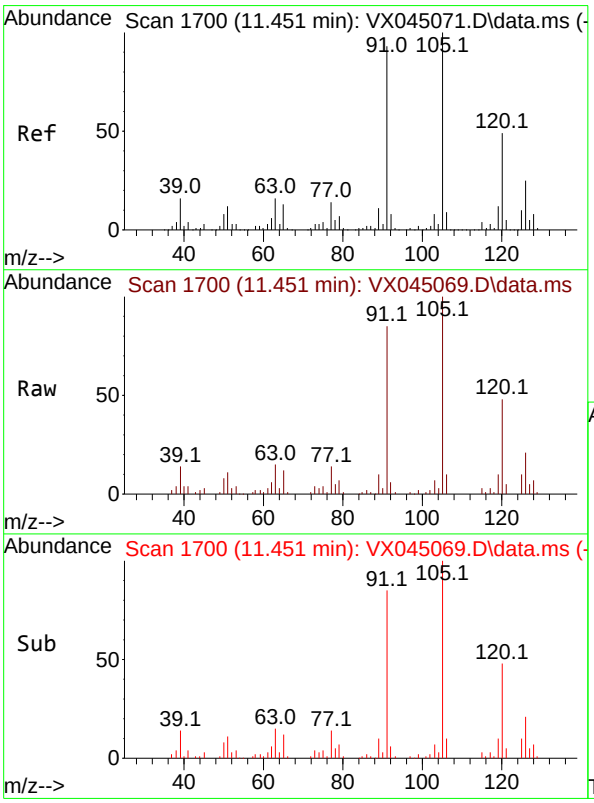
#79
2-Chlorotoluene
Concen: 5.048 ug/l
RT: 11.366 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 91 Resp: 21253

Ion	Ratio	Lower	Upper
91	100		
126	32.0	16.4	49.4

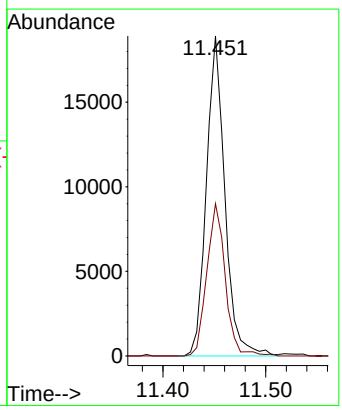


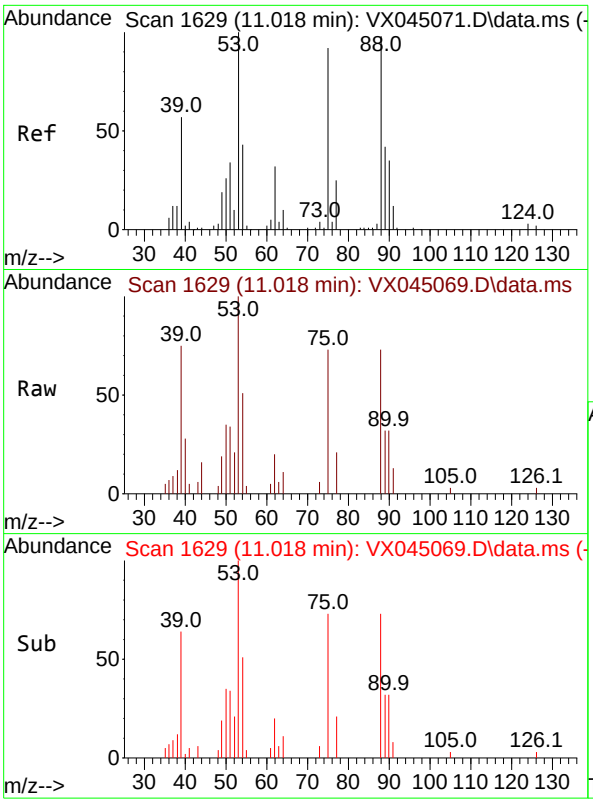


#80
1,3,5-Trimethylbenzene
Concen: 4.897 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:105 Resp: 23627

Ion	Ratio	Lower	Upper
105	100		
120	47.6	24.1	72.2



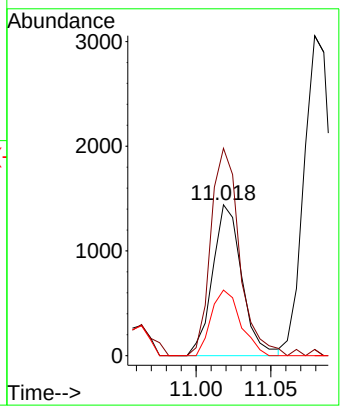


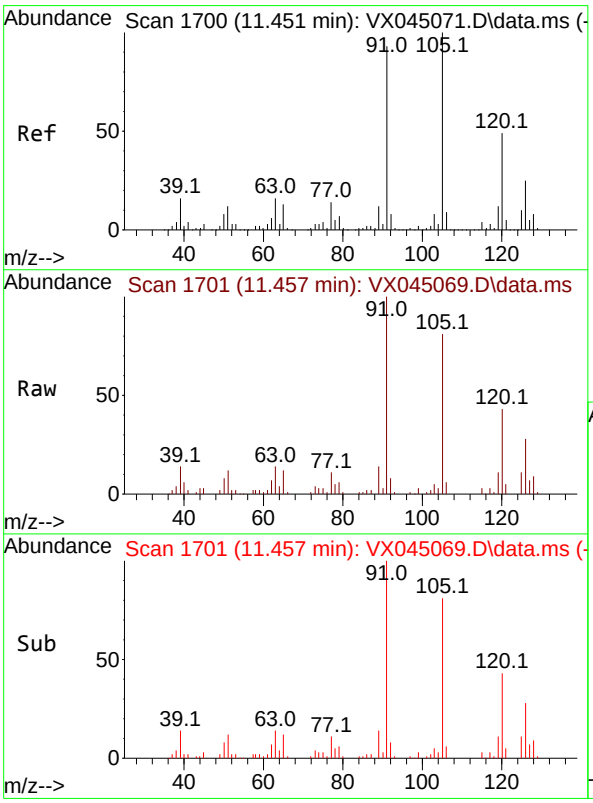
#81
trans-1,4-Dichloro-2-butene
Concen: 3.256 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

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

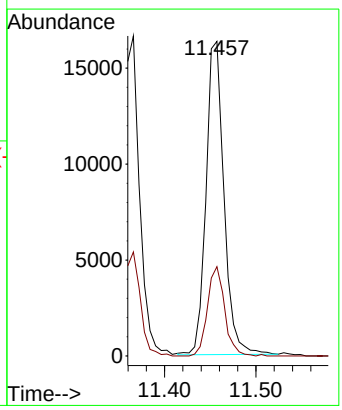


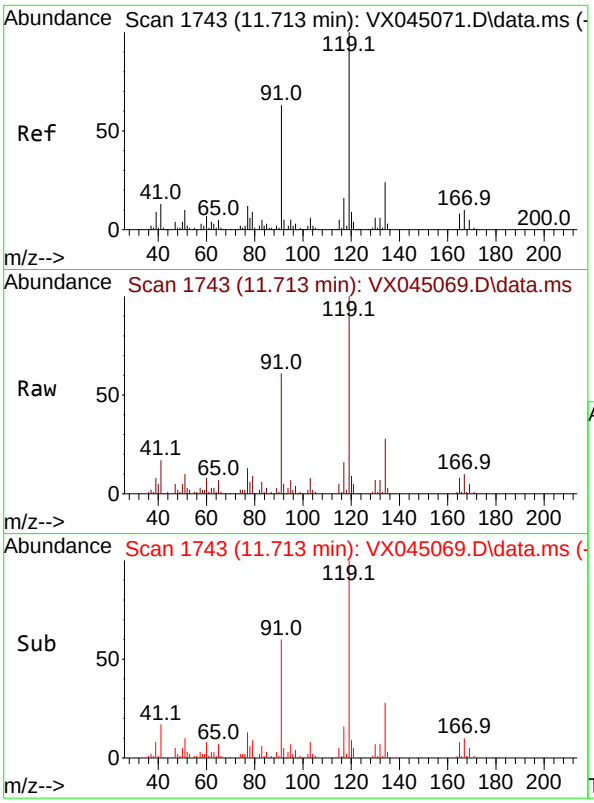


#82
4-Chlorotoluene
Concen: 4.761 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 91 Resp: 22190

Ion	Ratio	Lower	Upper
91	100		
126	27.3	14.1	42.4



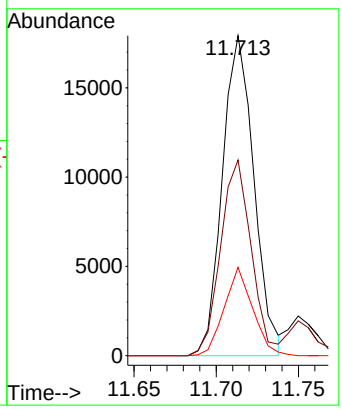


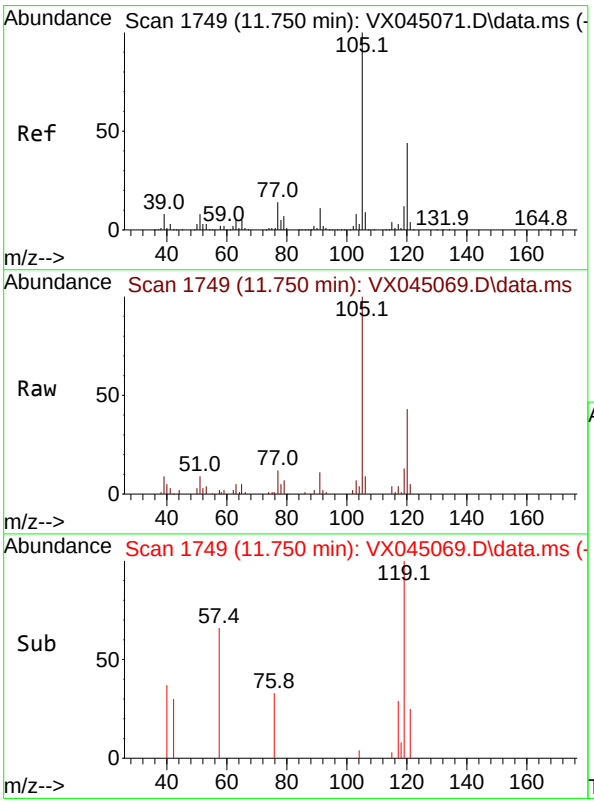
#83
tert-Butylbenzene
Concen: 4.910 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

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

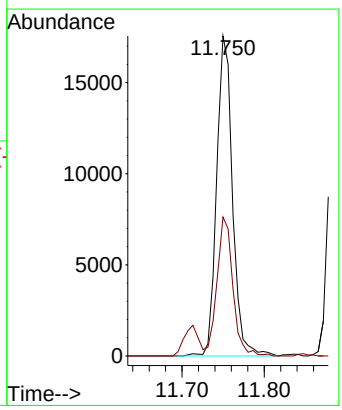


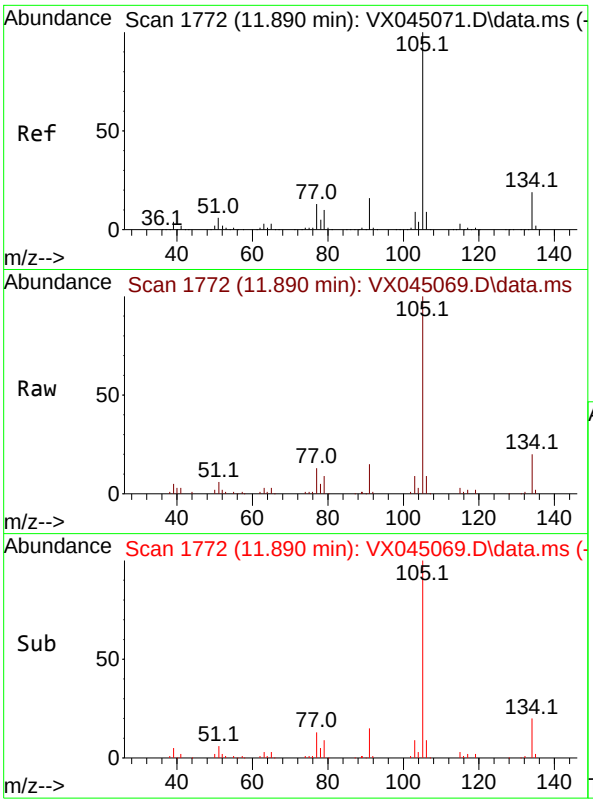


#84
1,2,4-Trimethylbenzene
Concen: 4.960 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:105 Resp: 23561

Ion	Ratio	Lower	Upper
105	100		
120	43.4	22.1	66.1



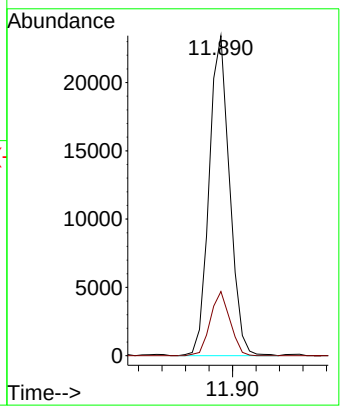


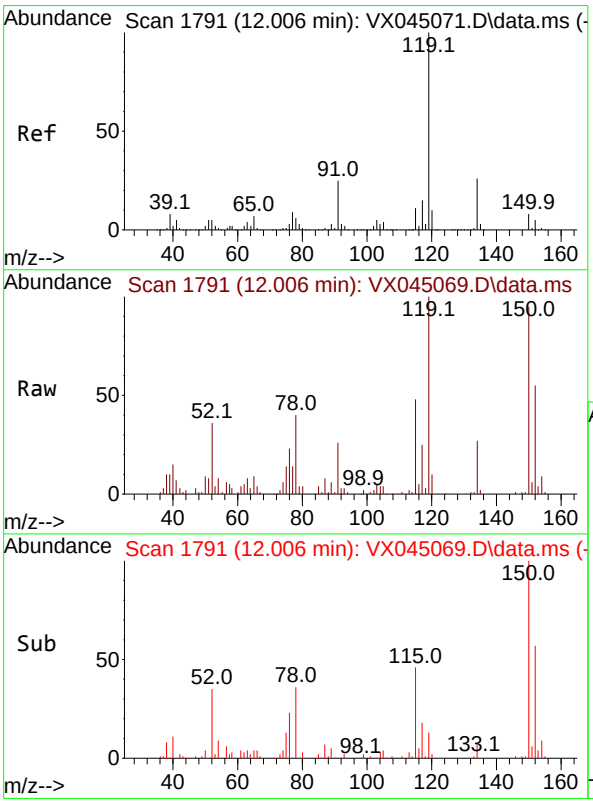
#85
sec-Butylbenzene
Concen: 4.687 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:105 Resp: 28314

Ion	Ratio	Lower	Upper
105	100		
134	19.3	9.8	29.4

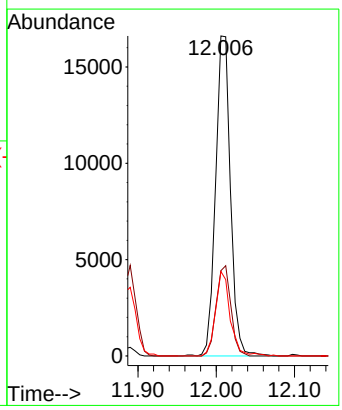


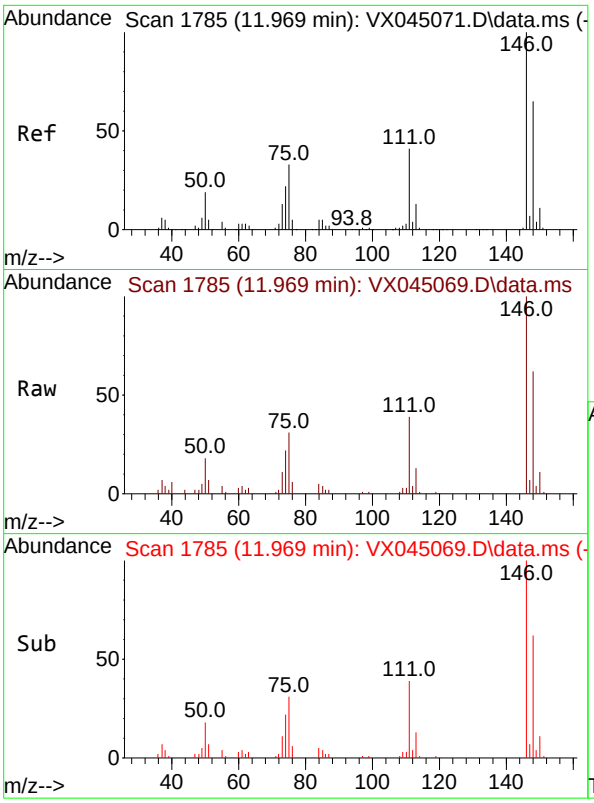


#86
p-Isopropyltoluene
Concen: 4.532 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

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



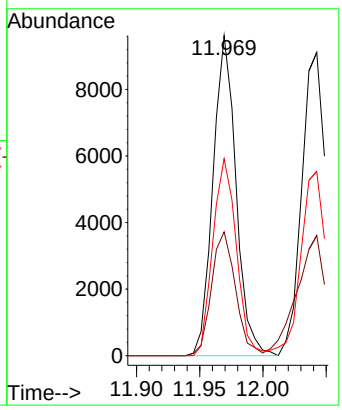


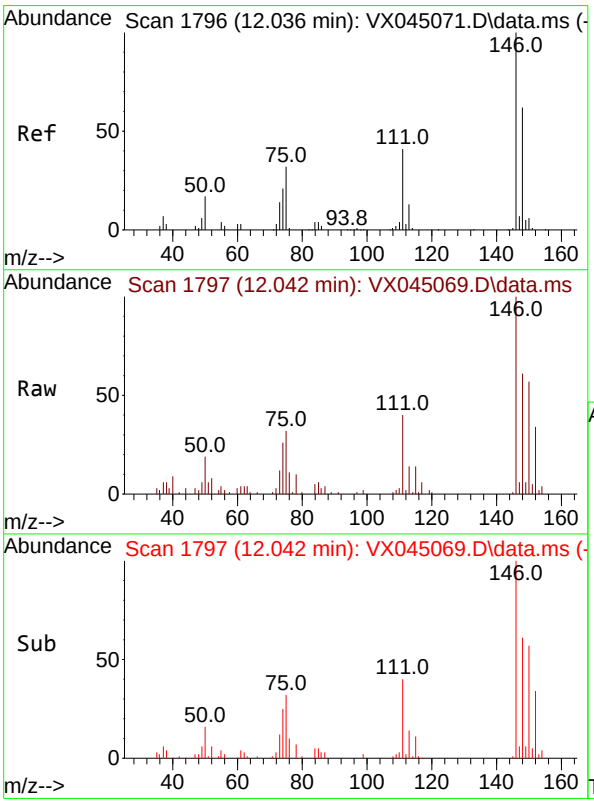
#87
1,3-Dichlorobenzene
Concen: 4.926 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

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

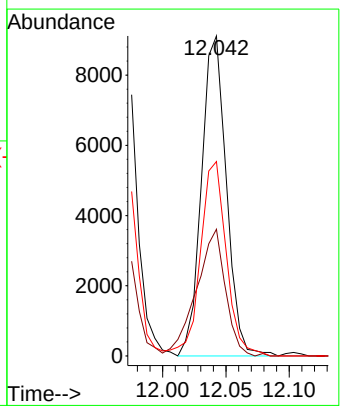


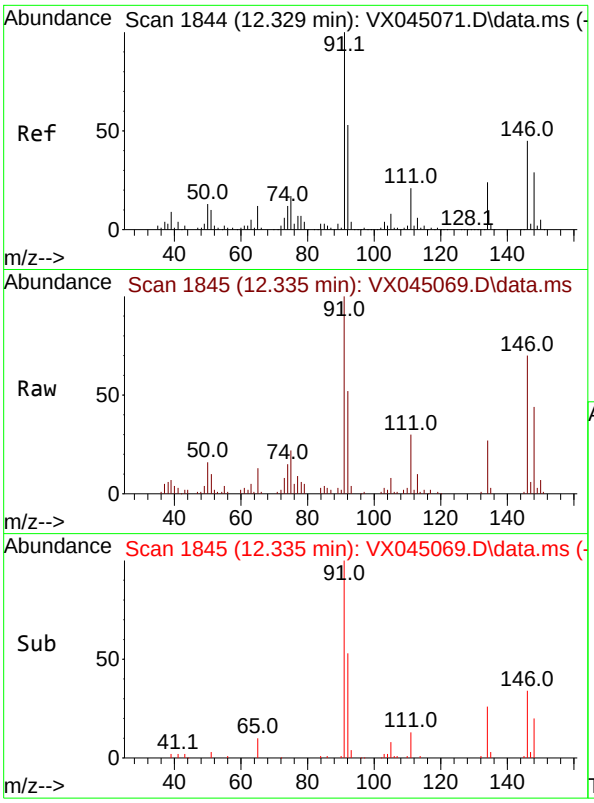


#88
1,4-Dichlorobenzene
Concen: 5.014 ug/l
RT: 12.042 min Scan# 1797
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

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



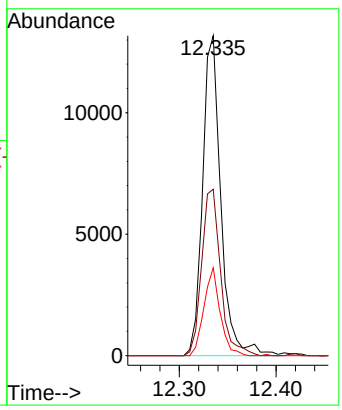


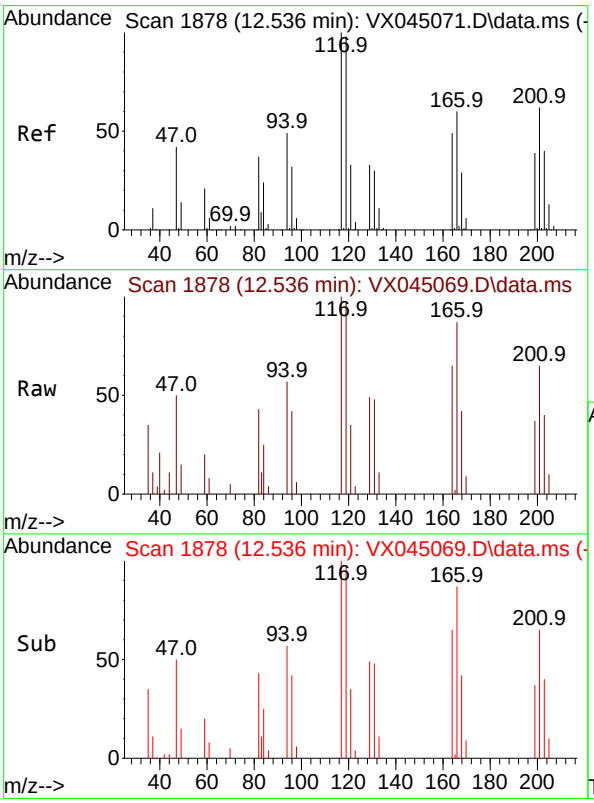
#89
n-Butylbenzene
Concen: 4.072 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

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

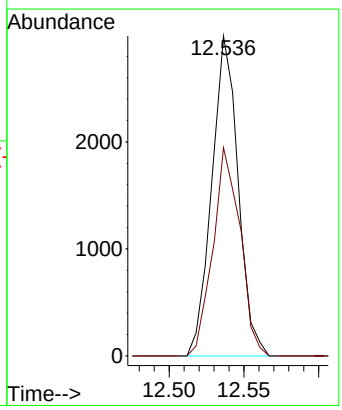


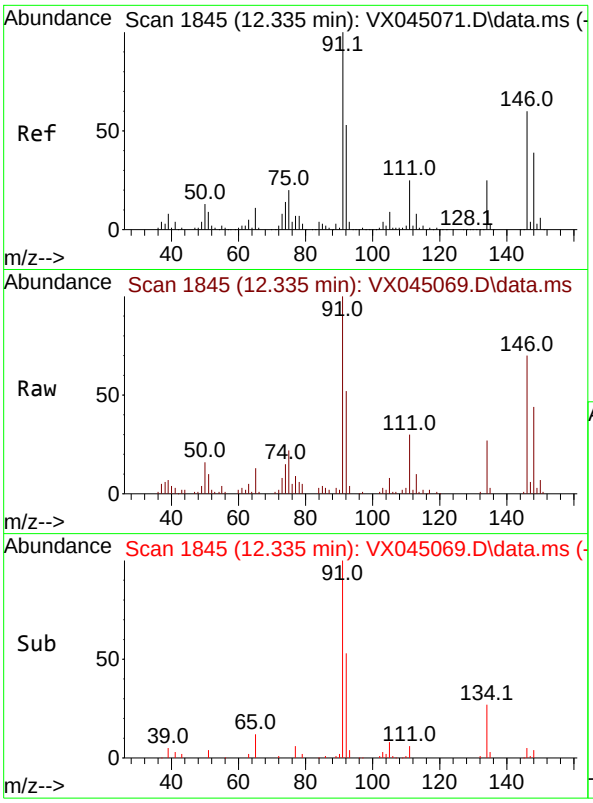


#90
Hexachloroethane
Concen: 4.052 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:117 Resp: 3665

Ion	Ratio	Lower	Upper
117	100		
201	67.1	31.9	95.9



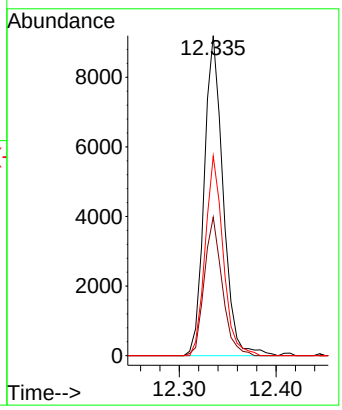


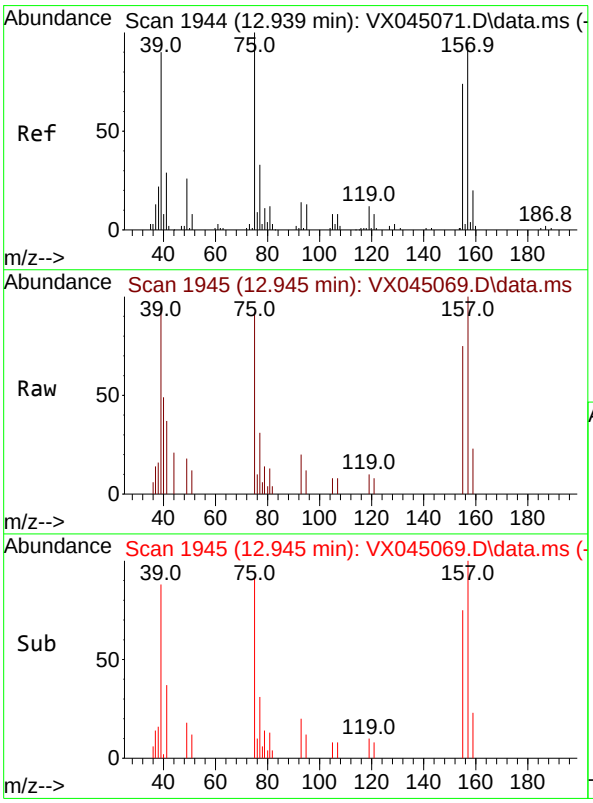
#91
1,2-Dichlorobenzene
Concen: 5.138 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

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

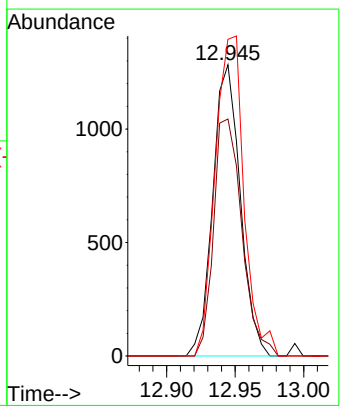


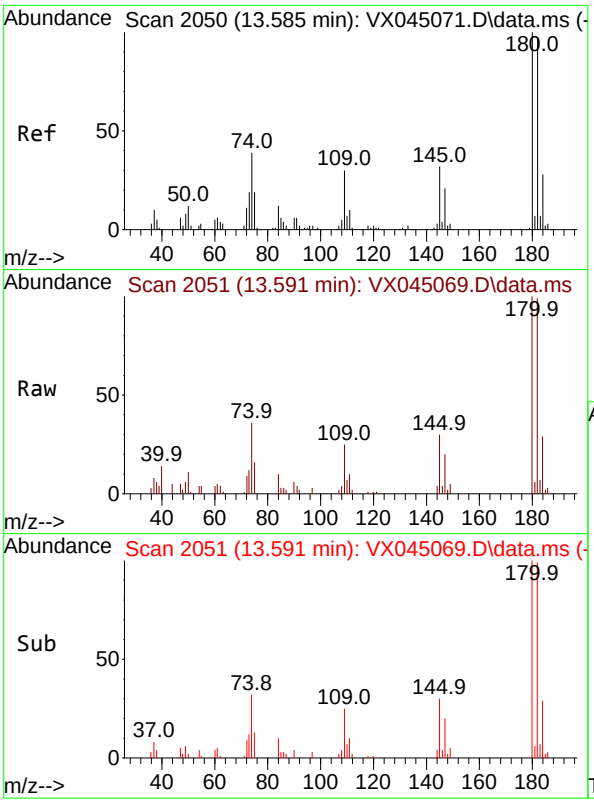


#92
1,2-Dibromo-3-Chloropropane
Concen: 4.712 ug/l
RT: 12.945 min Scan# 1945
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

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



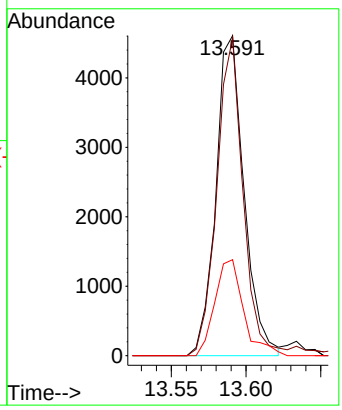


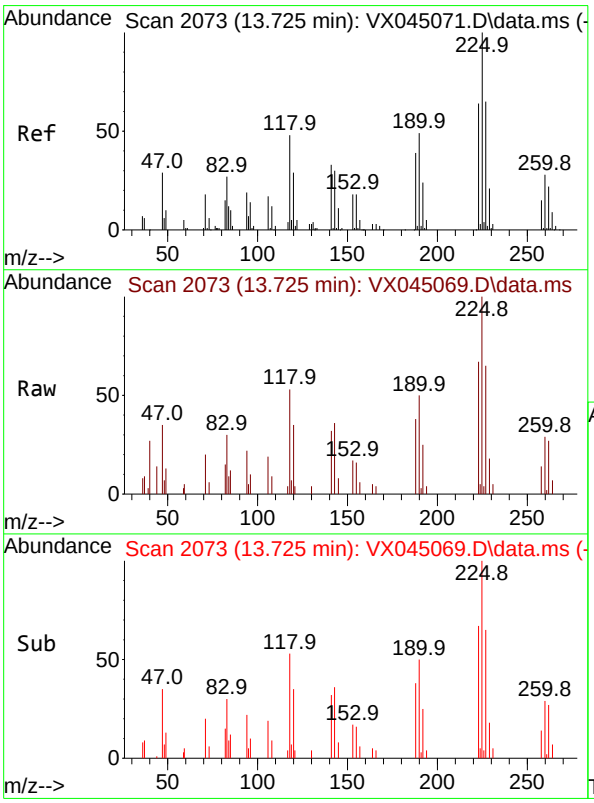
#93
1,2,4-Trichlorobenzene
Concen: 4.114 ug/l
RT: 13.591 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

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

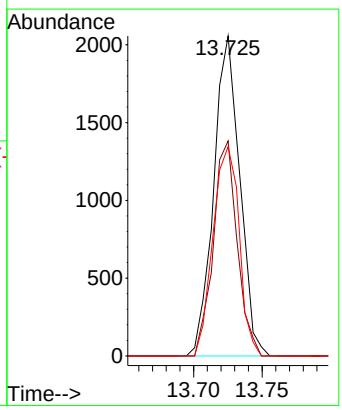


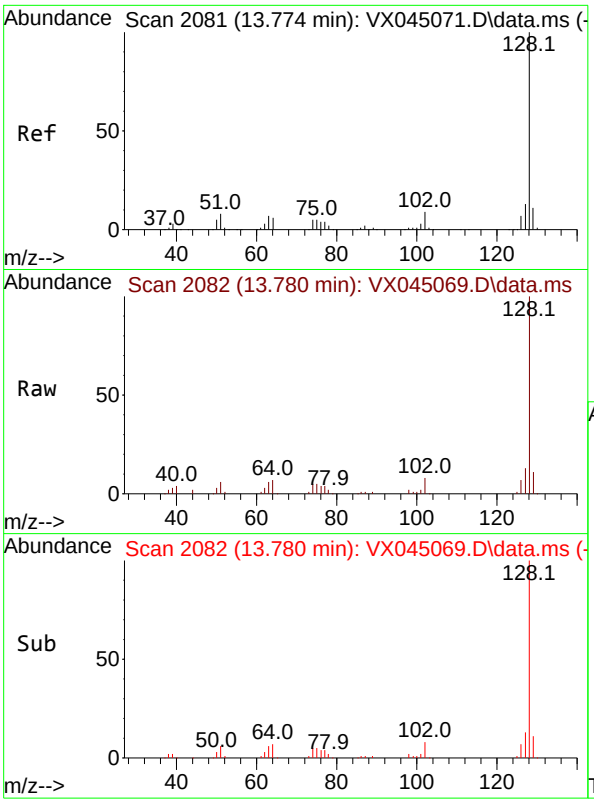


#94
Hexachlorobutadiene
Concen: 4.640 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

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



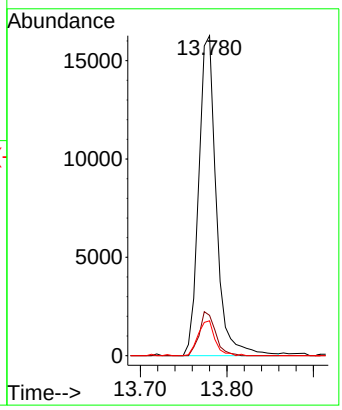


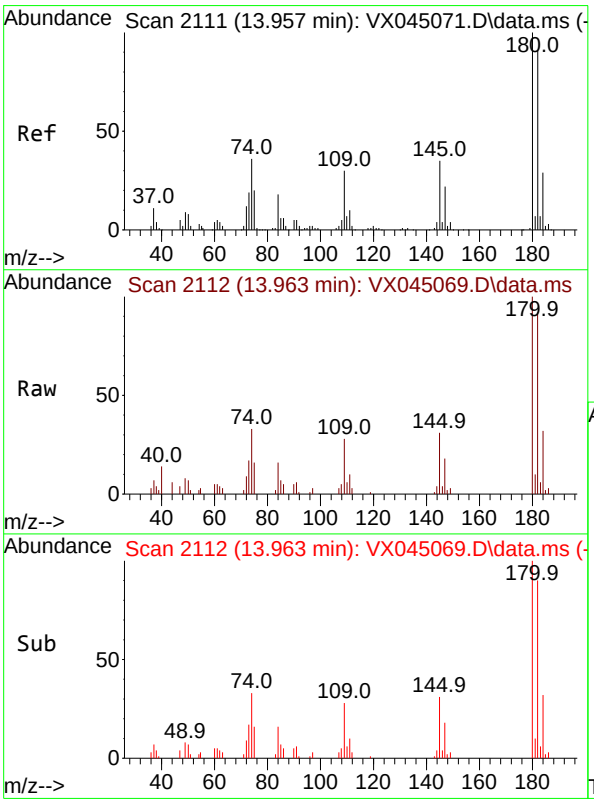
#95
Naphthalene
Concen: 4.287 ug/l
RT: 13.780 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

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

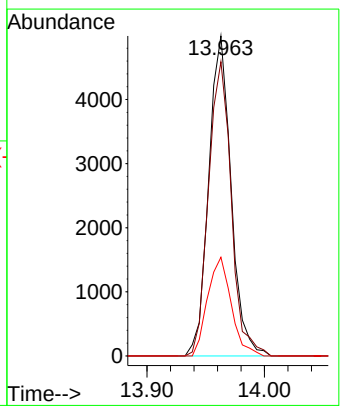




#96
1,2,3-Trichlorobenzene
Concen: 4.437 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

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)

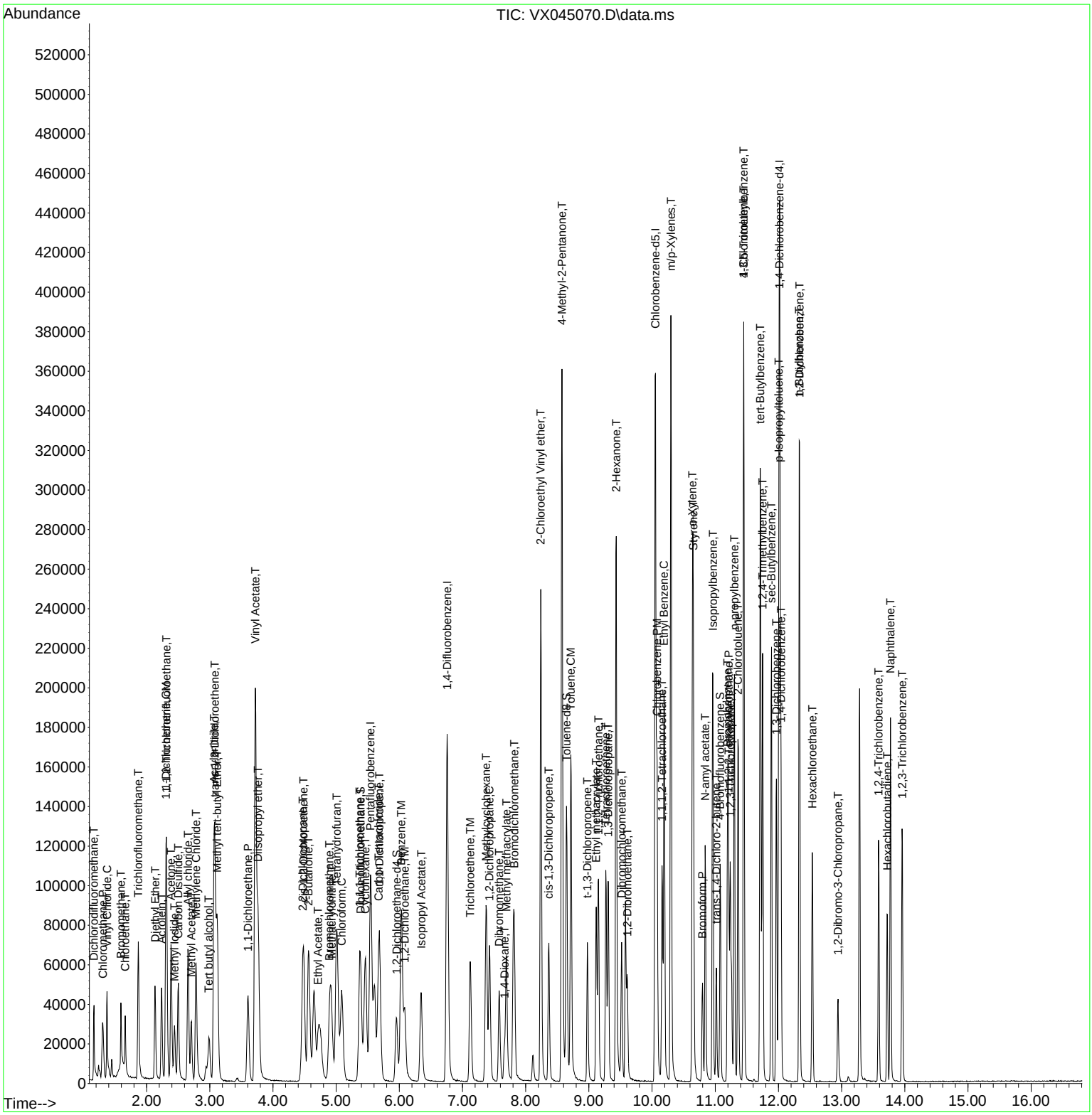
(#) = qualifier out of range (m) = manual integration (+) = signals summed

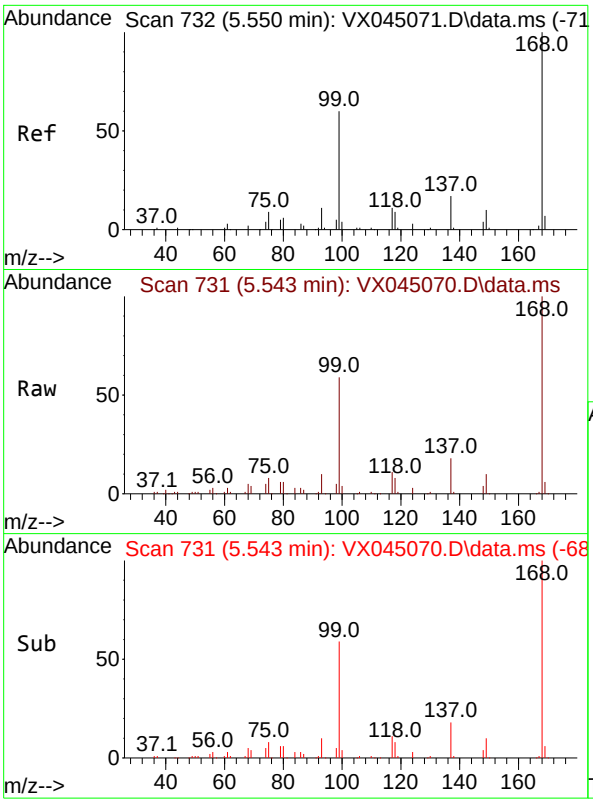
Quantitation Report (Not Reviewed)

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



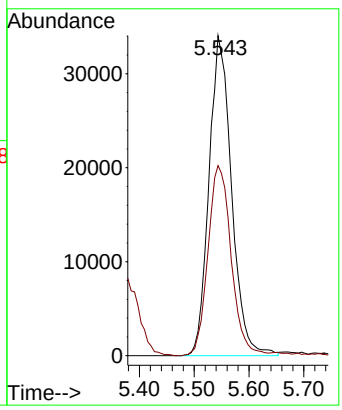


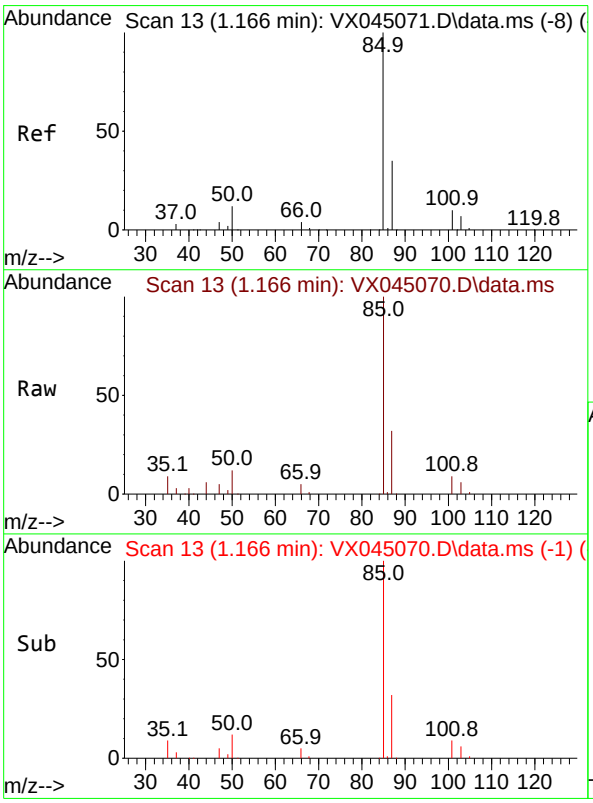
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.543 min Scan# 7
Delta R.T. -0.007 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:168 Resp: 97338

Ion	Ratio	Lower	Upper
168	100		
99	59.4	48.2	72.4

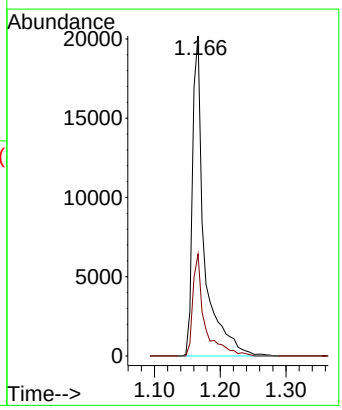


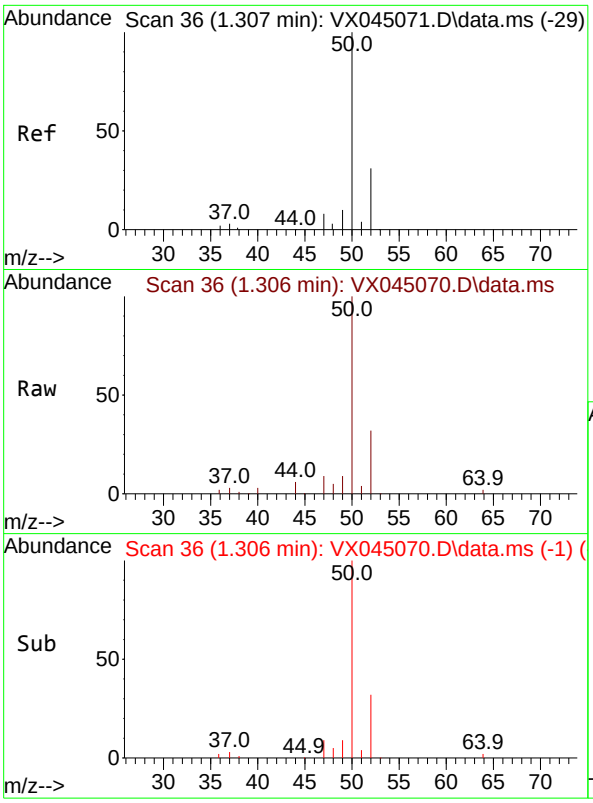


#2
Dichlorodifluoromethane
Concen: 18.750 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 85 Resp: 25155

Ion	Ratio	Lower	Upper
85	100		
87	31.9	17.4	52.3



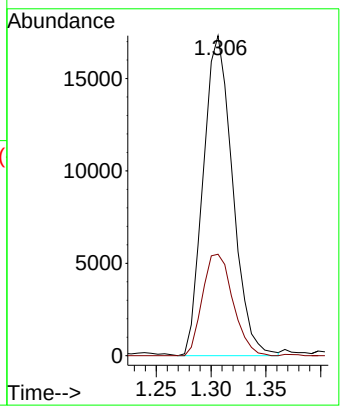


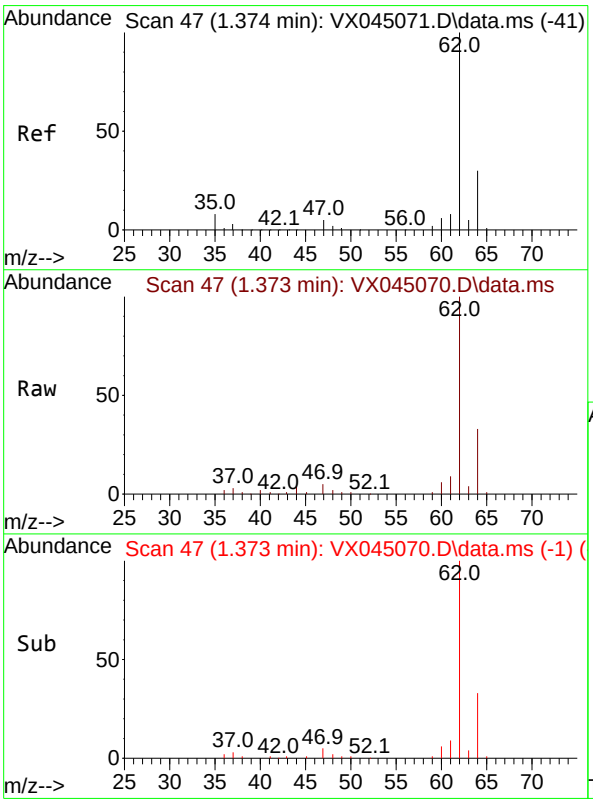
#3
Chloromethane
Concen: 19.736 ug/l
RT: 1.306 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 50 Resp: 32219

Ion	Ratio	Lower	Upper
50	100		
52	31.7	25.0	37.4

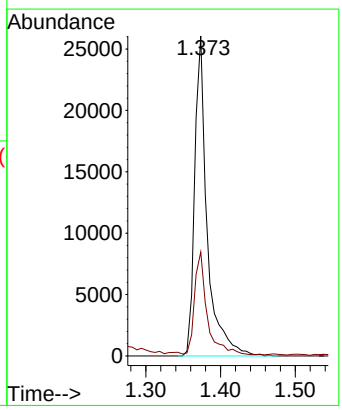


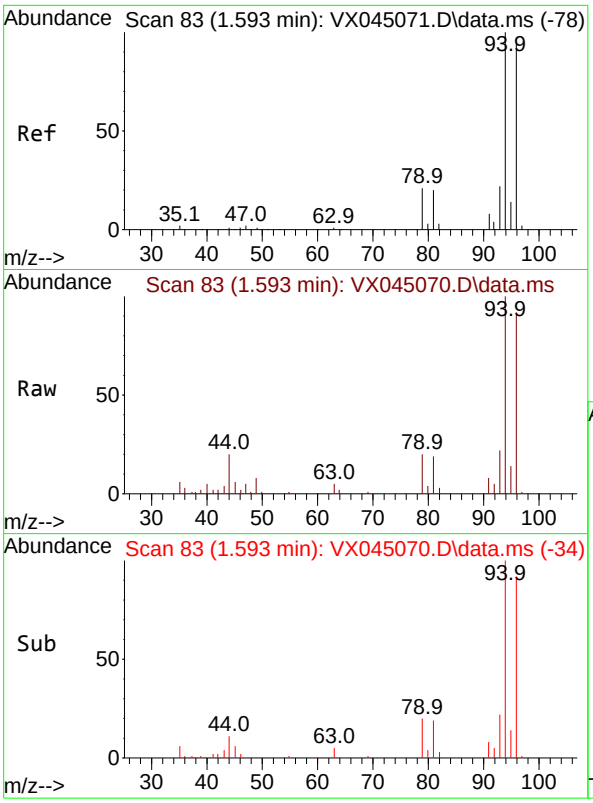


#4
Vinyl Chloride
Concen: 18.899 ug/l
RT: 1.373 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 62 Resp: 30134

Ion	Ratio	Lower	Upper
62	100		
64	32.0	24.3	36.5



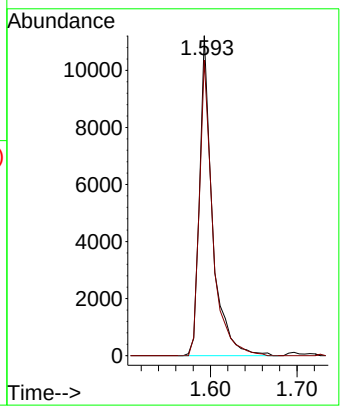


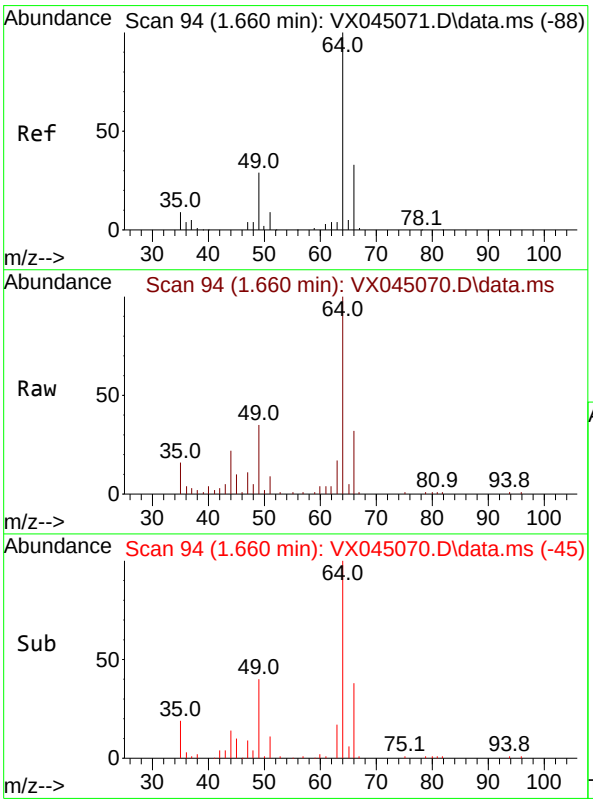
#5
Bromomethane
Concen: 23.239 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 94 Resp: 11584

Ion	Ratio	Lower	Upper
94	100		
96	92.4	75.0	112.4

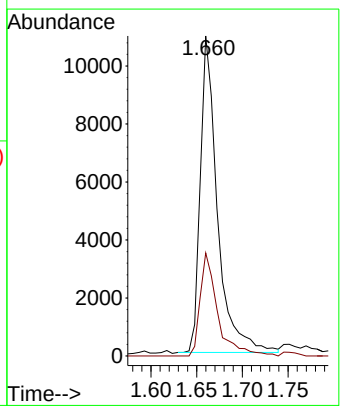


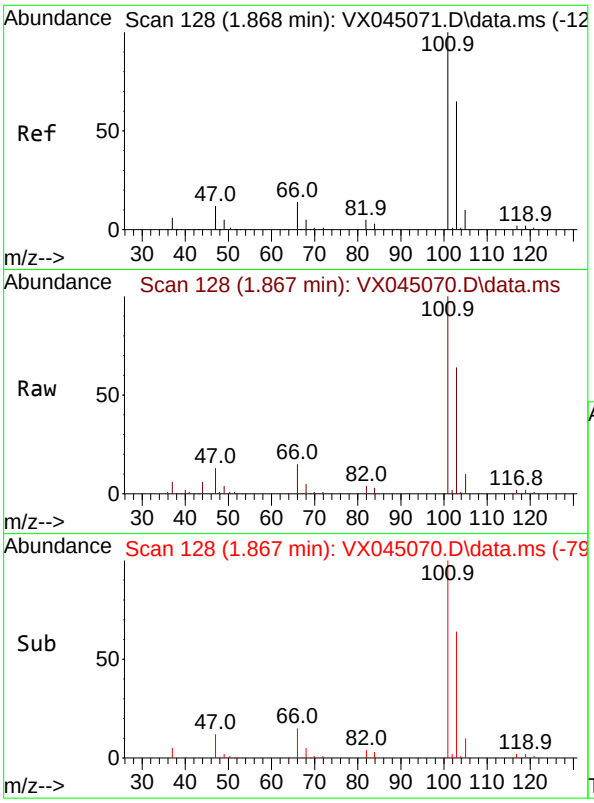


#6
Chloroethane
Concen: 23.457 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 64 Resp: 14237

Ion	Ratio	Lower	Upper
64	100		
66	32.6	26.7	40.1



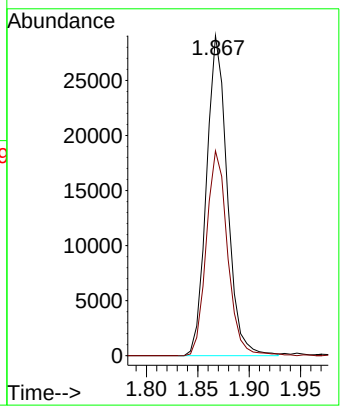


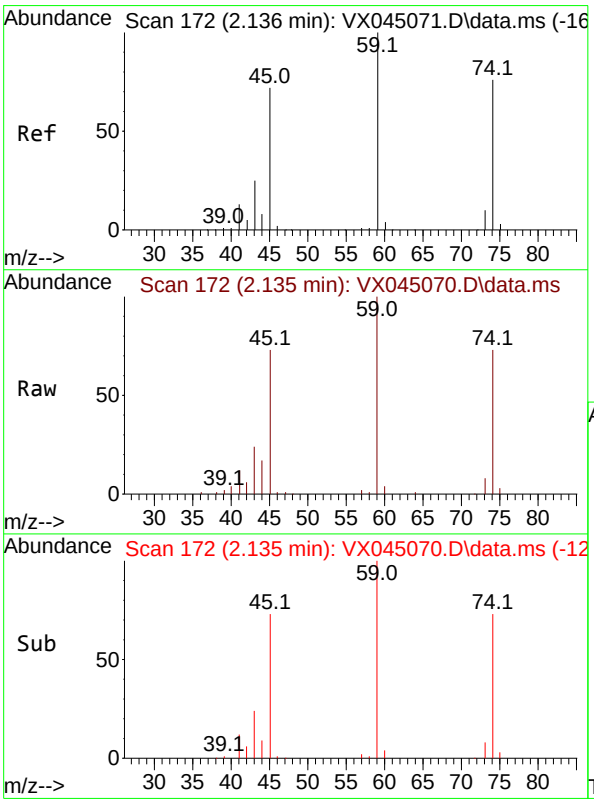
#7
Trichlorofluoromethane
Concen: 20.015 ug/l
RT: 1.867 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:101 Resp: 40880

Ion	Ratio	Lower	Upper
101	100		
103	64.0	52.1	78.1

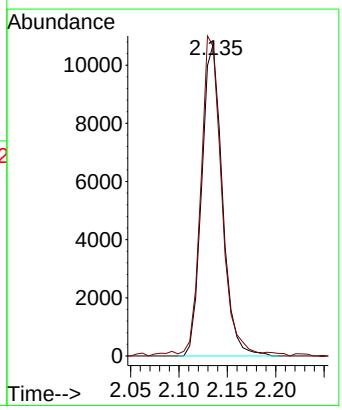


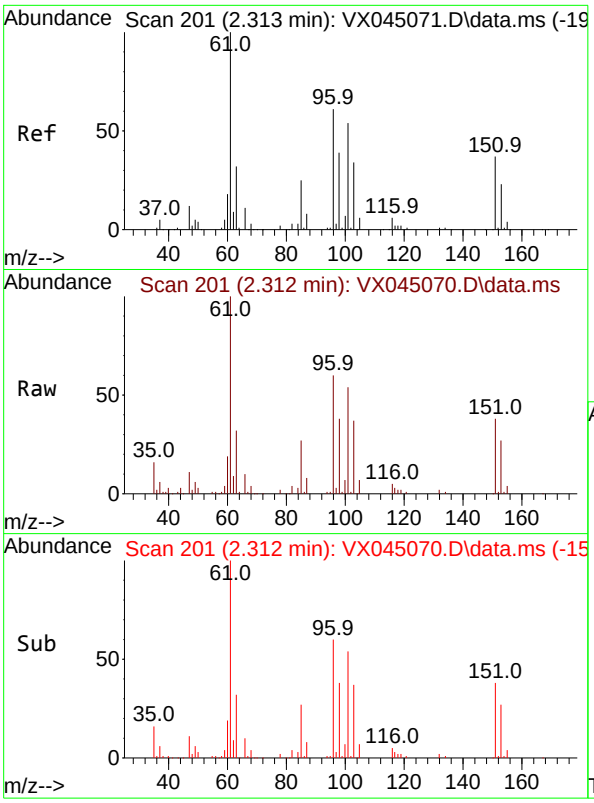


#8
Diethyl Ether
Concen: 21.437 ug/l
RT: 2.135 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 74 Resp: 15911

Ion	Ratio	Lower	Upper
74	100		
45	105.3	51.5	154.5



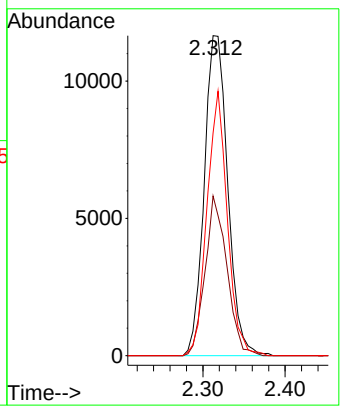


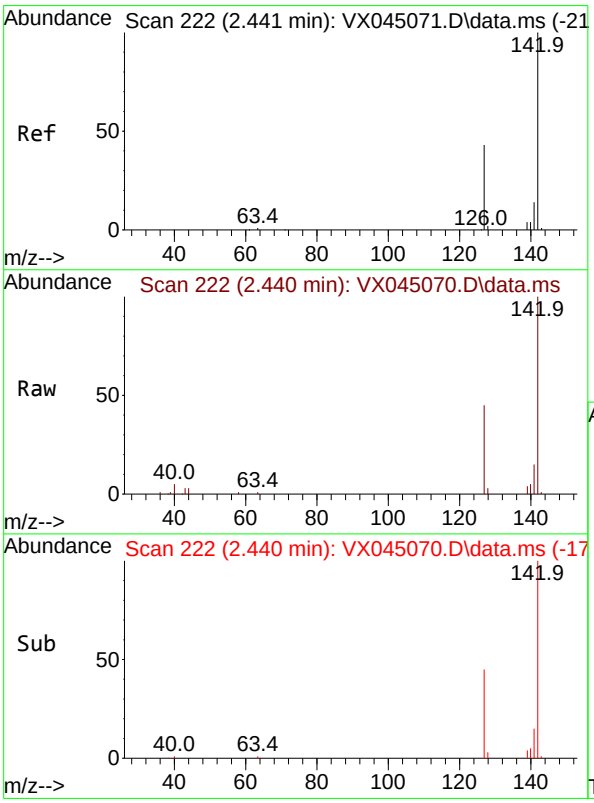
#9
1,1,2-Trichlorotrifluoroethane
Concen: 18.984 ug/l
RT: 2.312 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

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

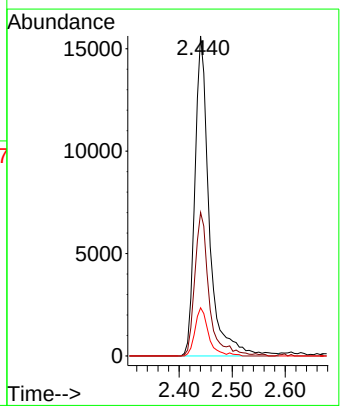


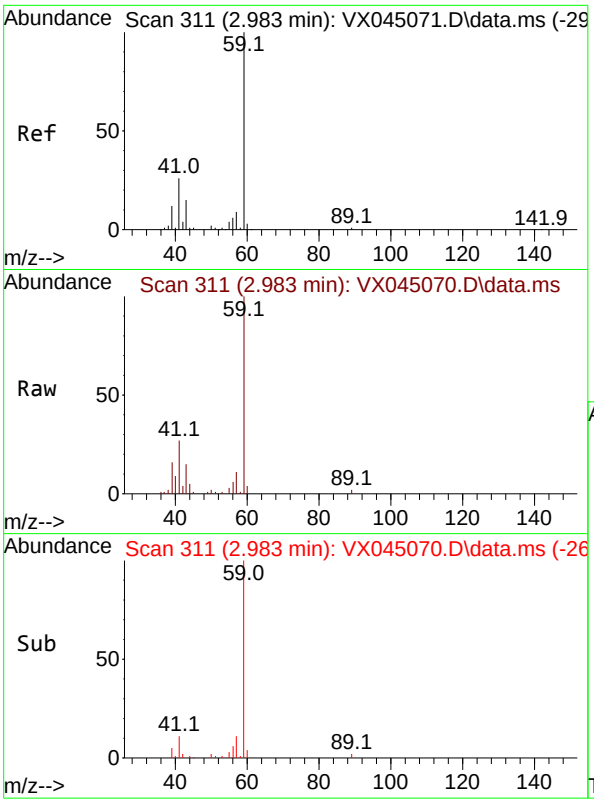


#10
Methyl Iodide
Concen: 18.867 ug/l
RT: 2.440 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

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



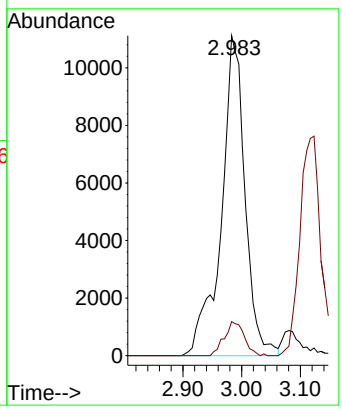


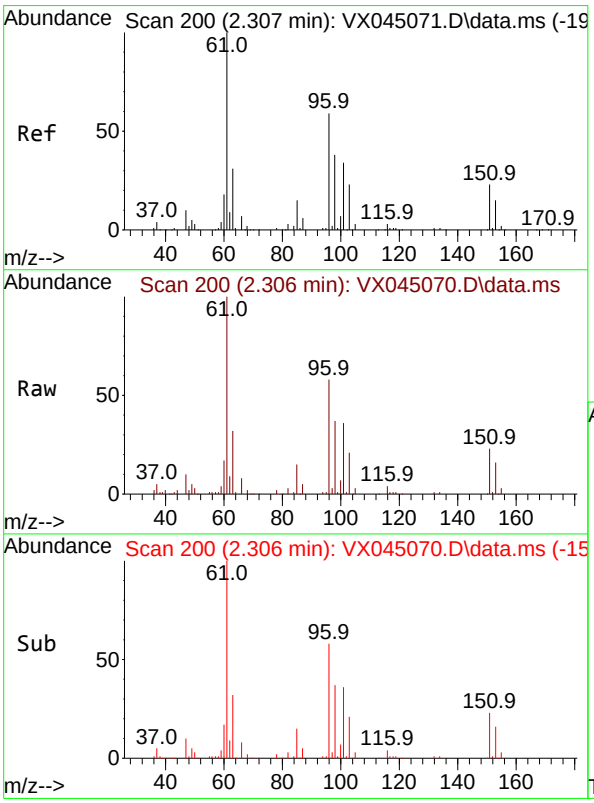
#11
Tert butyl alcohol
Concen: 118.627 ug/l
RT: 2.983 min Scan# 31
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 59 Resp: 31246

Ion	Ratio	Lower	Upper
59	100		
57	8.9	7.8	11.8

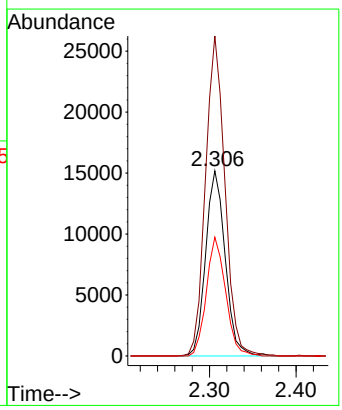


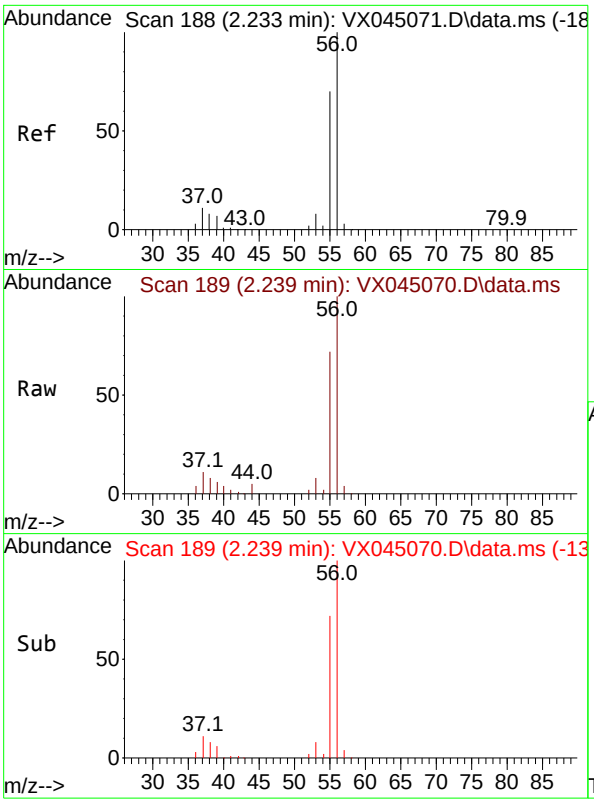


#12
1,1-Dichloroethene
Concen: 19.014 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

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



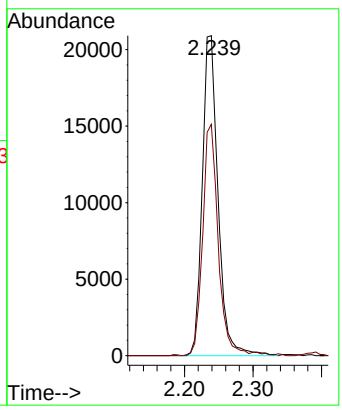


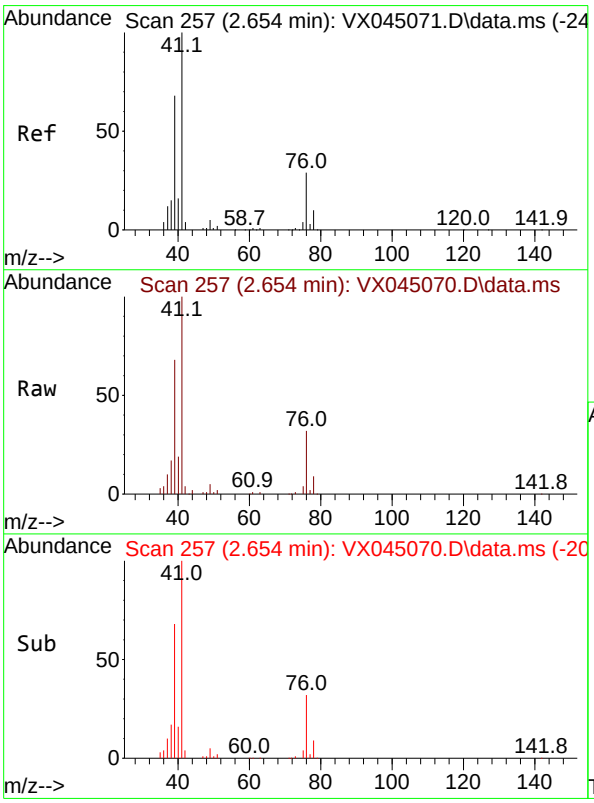
#13
Acrolein
Concen: 117.747 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 56 Resp: 33586

Ion	Ratio	Lower	Upper
56	100		
55	71.4	56.2	84.4

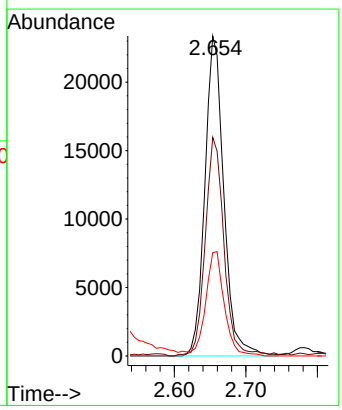


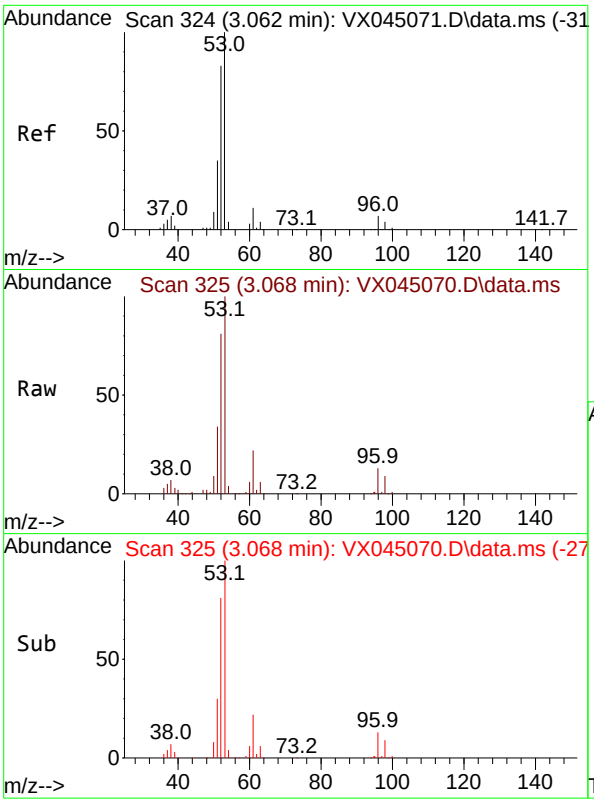


#14
Allyl chloride
Concen: 19.096 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

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



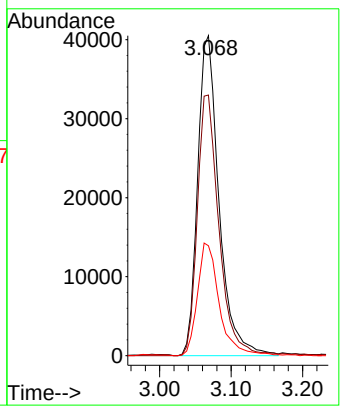


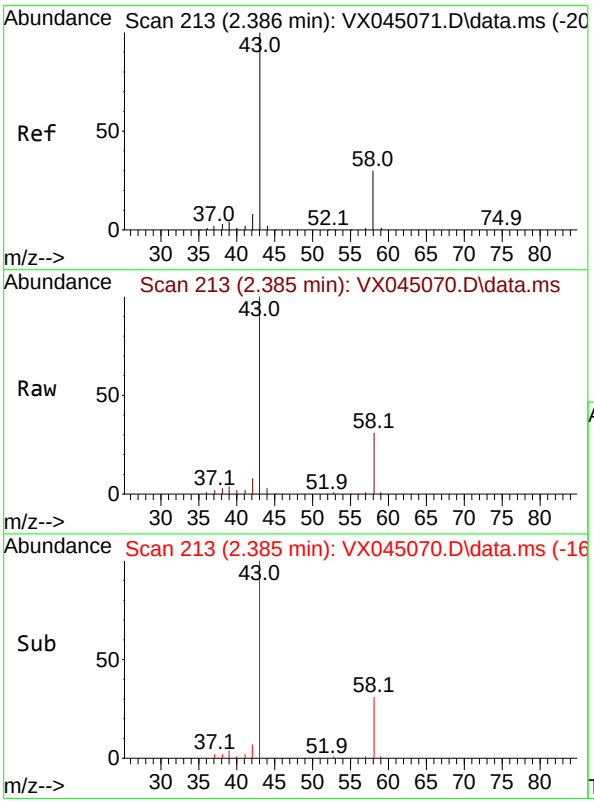
#15
Acrylonitrile
Concen: 117.598 ug/l
RT: 3.068 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

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

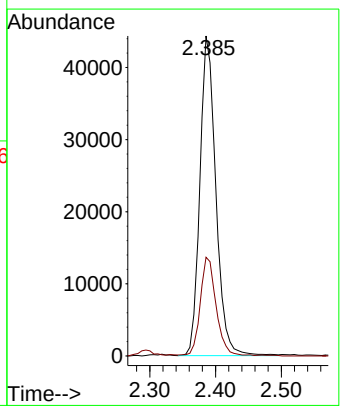


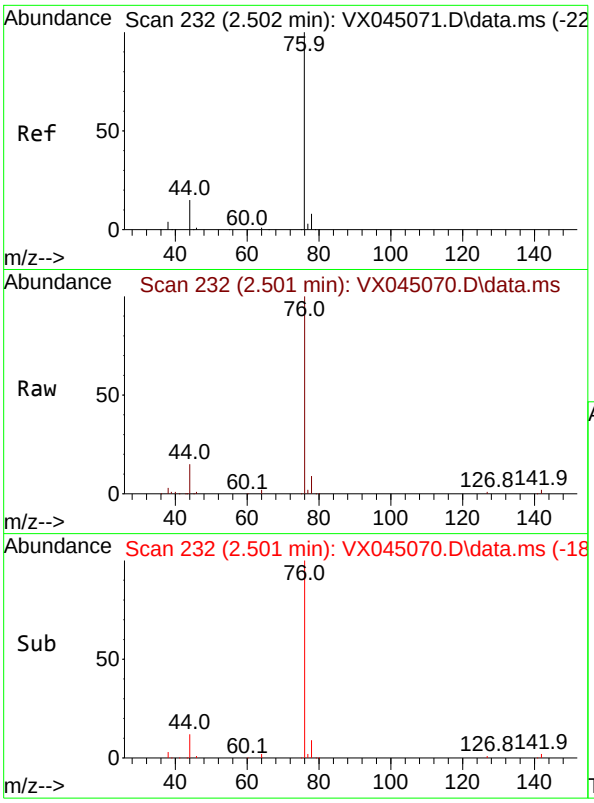


#16
Acetone
Concen: 126.257 ug/l
RT: 2.385 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 43 Resp: 74701

Ion	Ratio	Lower	Upper
43	100		
58	30.7	24.2	36.4



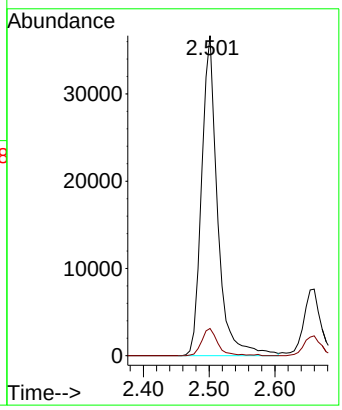


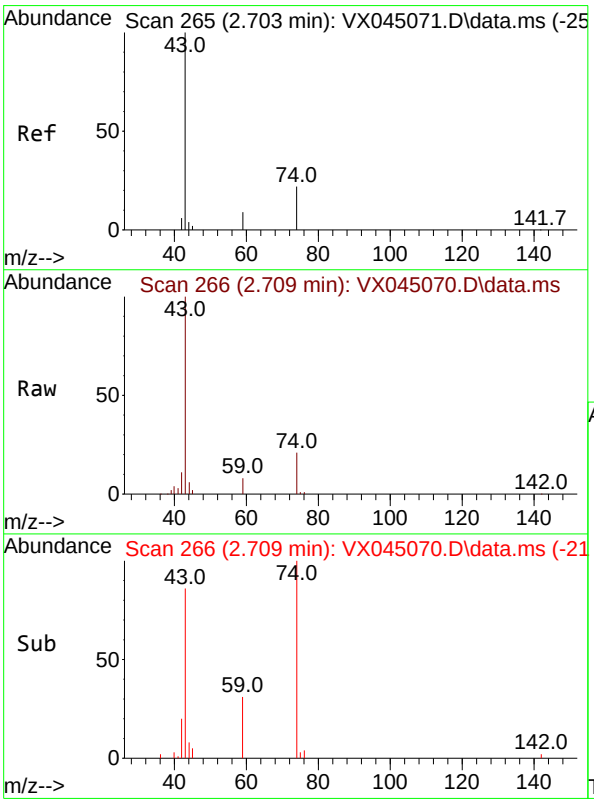
#17
Carbon Disulfide
Concen: 18.139 ug/l
RT: 2.501 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 76 Resp: 61802

Ion	Ratio	Lower	Upper
76	100		
78	8.5	6.6	9.8

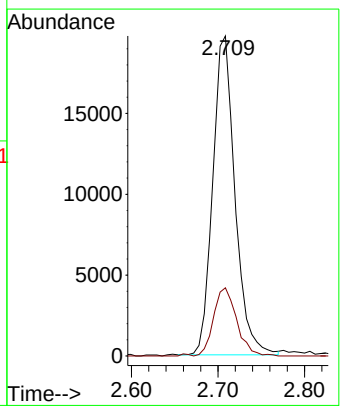


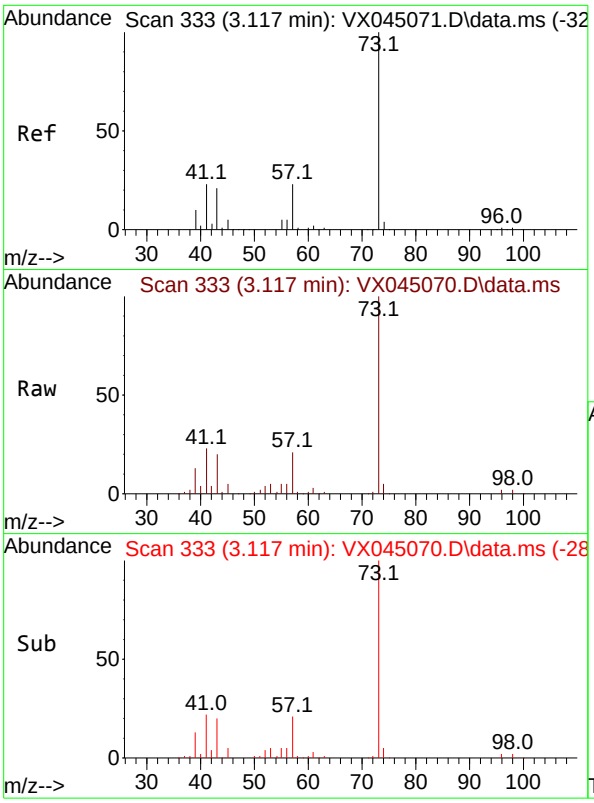


#18
Methyl Acetate
Concen: 19.729 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 43 Resp: 35157

Ion	Ratio	Lower	Upper
43	100		
74	22.2	17.4	26.2



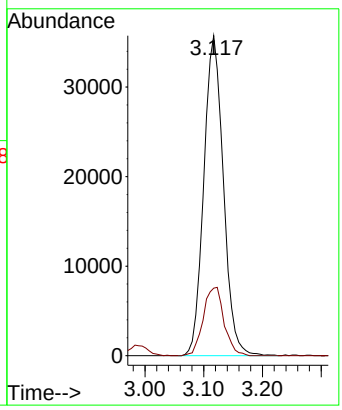


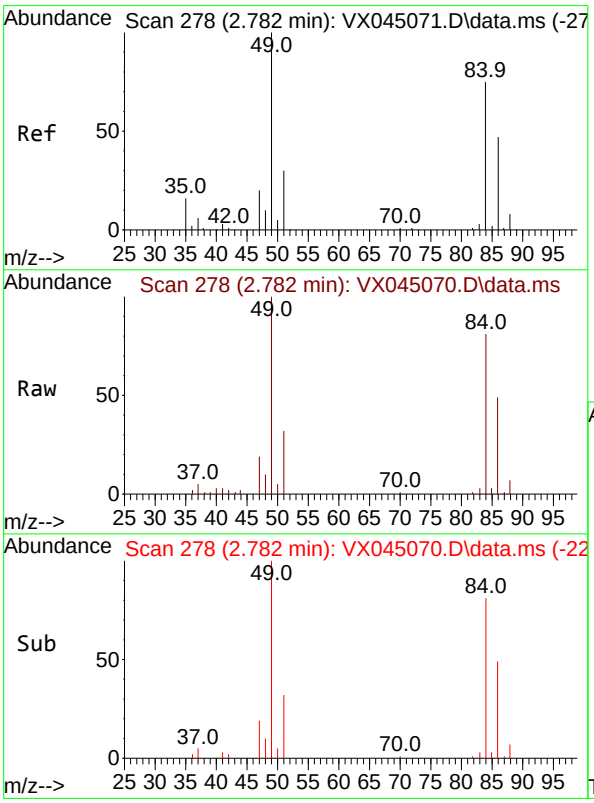
#19
Methyl tert-butyl Ether
Concen: 20.689 ug/l
RT: 3.117 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 73 Resp: 82833

Ion	Ratio	Lower	Upper
73	100		
57	21.1	18.5	27.7

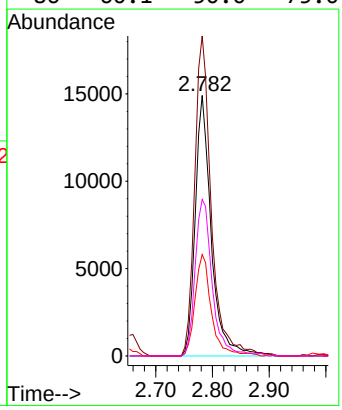


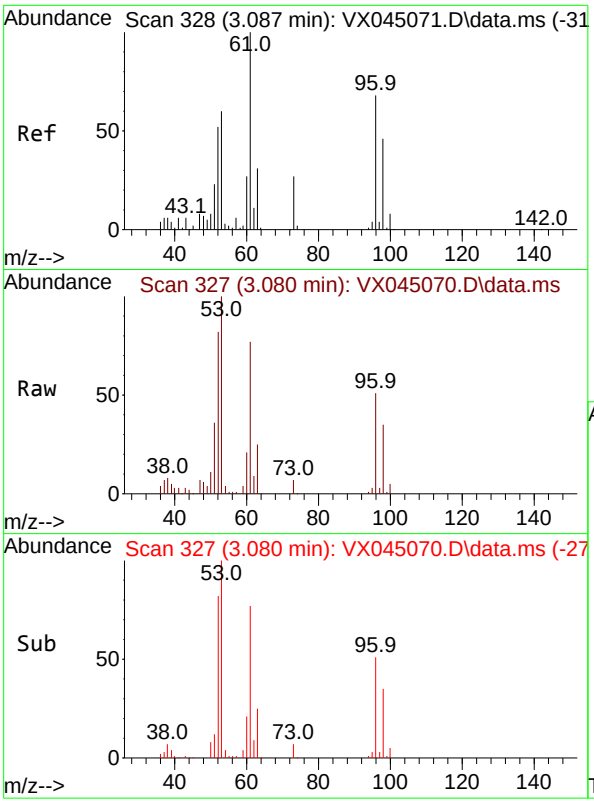


#20
Methylene Chloride
Concen: 20.895 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

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



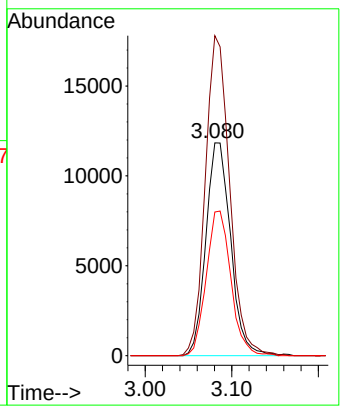


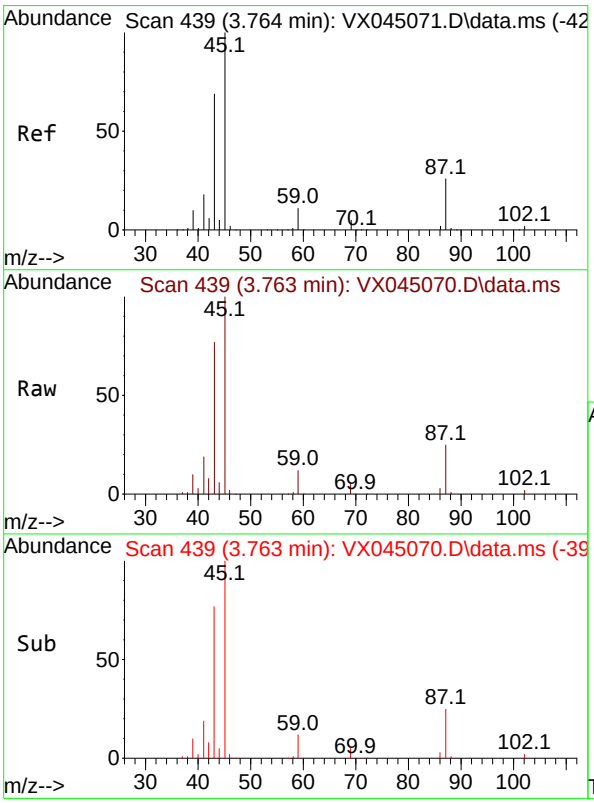
#21
trans-1,2-Dichloroethene
Concen: 19.057 ug/l
RT: 3.080 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

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

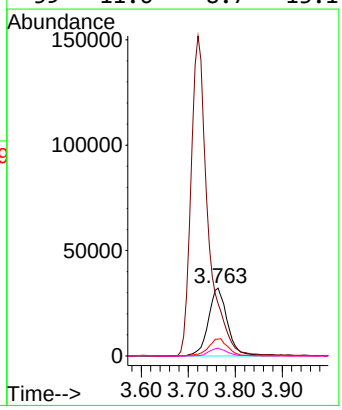


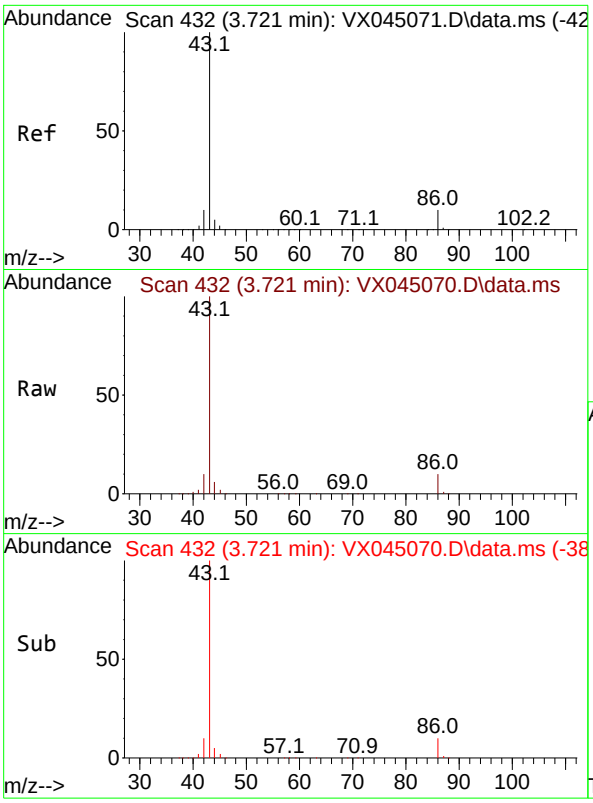


#22
Diisopropyl ether
Concen: 20.995 ug/l
RT: 3.763 min Scan# 439
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

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



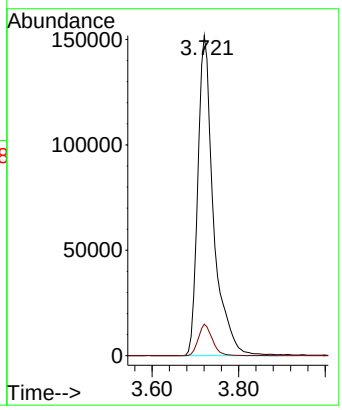


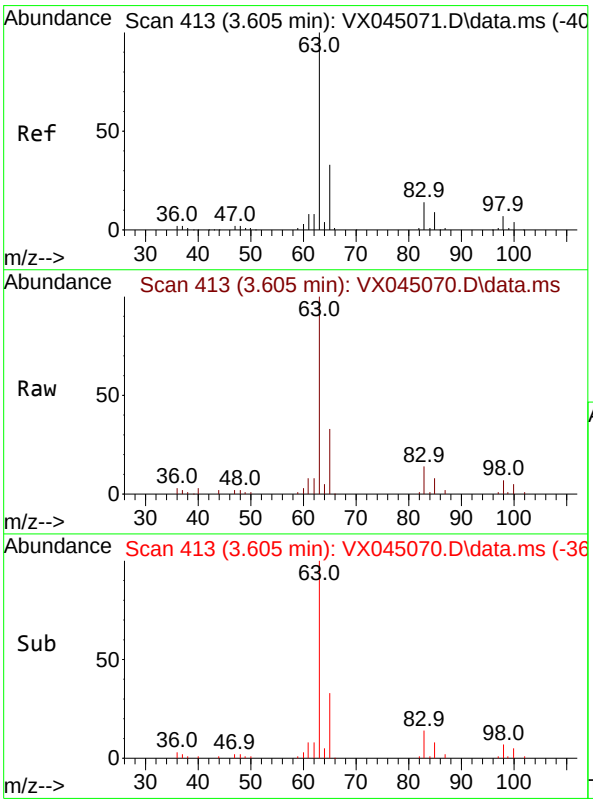
#23
Vinyl Acetate
Concen: 108.038 ug/l
RT: 3.721 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 381808

Ion	Ratio	Lower	Upper
43	100		
86	9.9	8.1	12.1

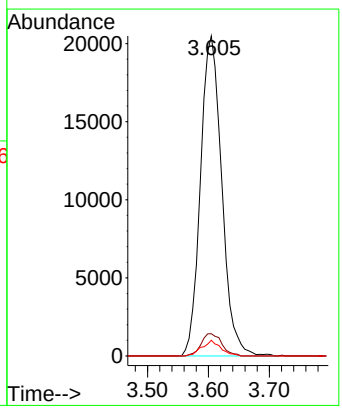


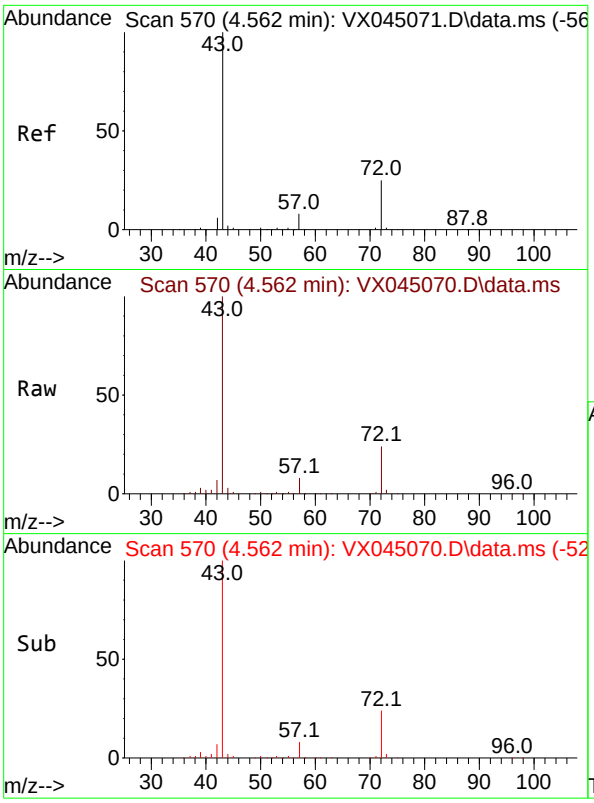


#24
1,1-Dichloroethane
Concen: 20.716 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

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



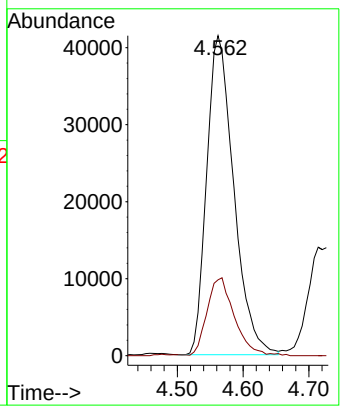


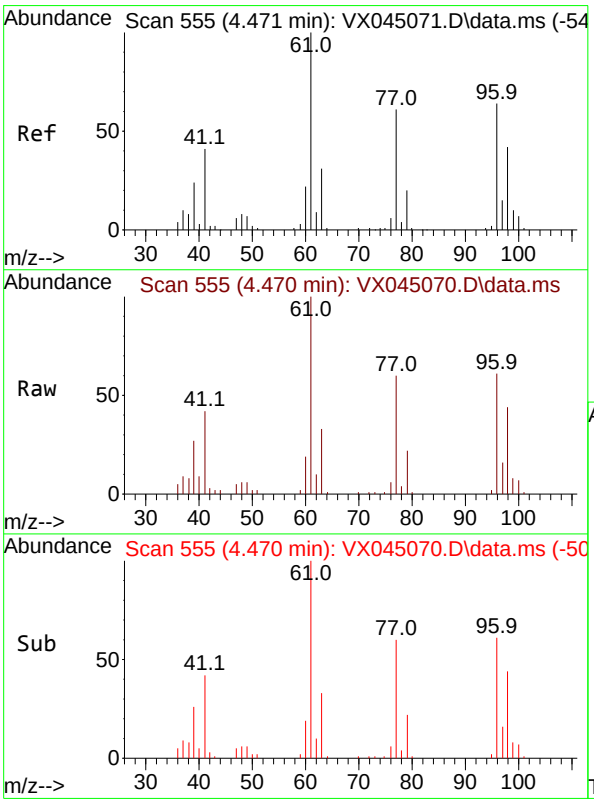
#25
2-Butanone
Concen: 124.449 ug/l
RT: 4.562 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 118713

Ion	Ratio	Lower	Upper
43	100		
72	23.5	20.0	30.0

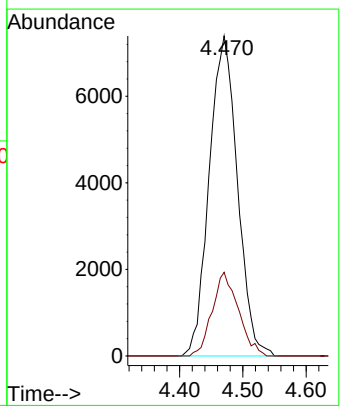


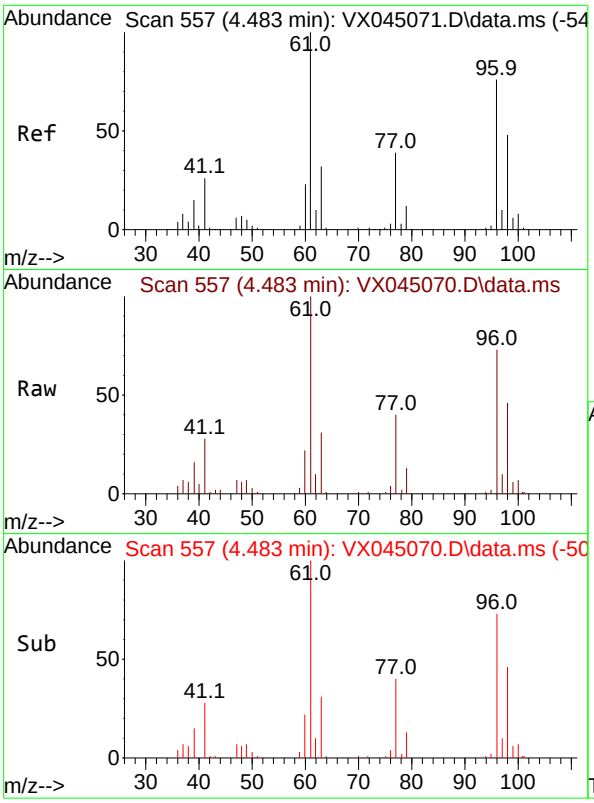


#26
2,2-Dichloropropane
Concen: 12.799 ug/l
RT: 4.470 min Scan# 555
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 77 Resp: 22886

Ion	Ratio	Lower	Upper
77	100		
97	24.2	12.4	37.0



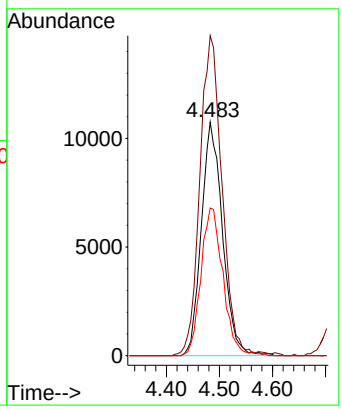


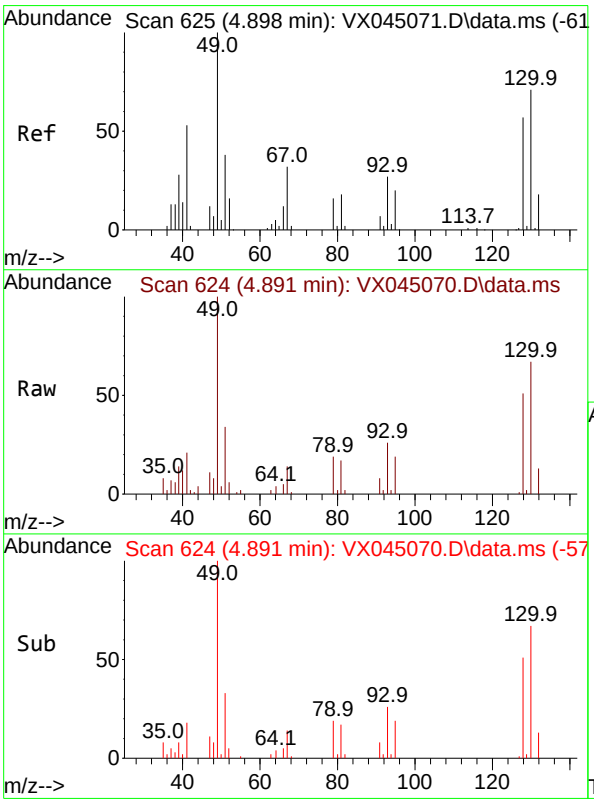
#27
cis-1,2-Dichloroethene
Concen: 20.065 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

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

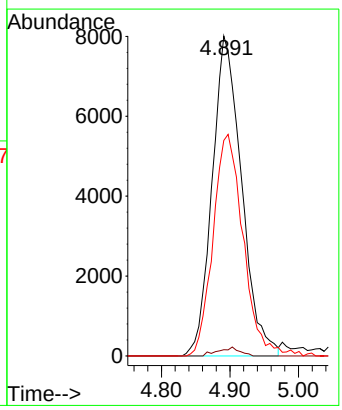


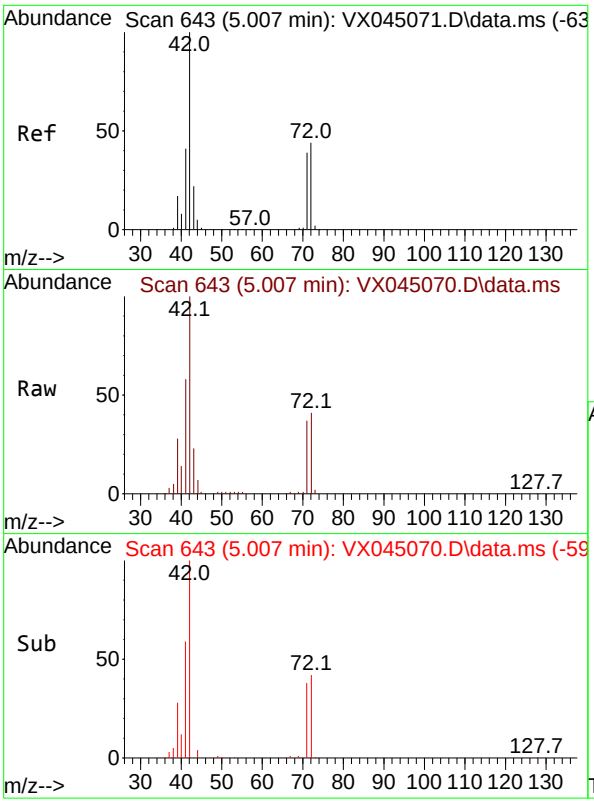


#28
Bromochloromethane
Concen: 20.579 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

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



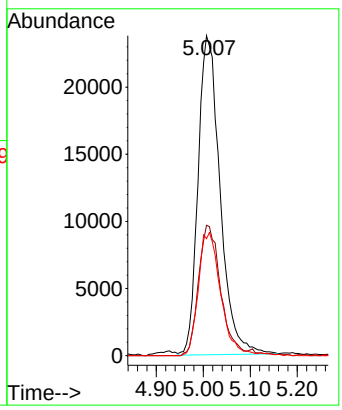


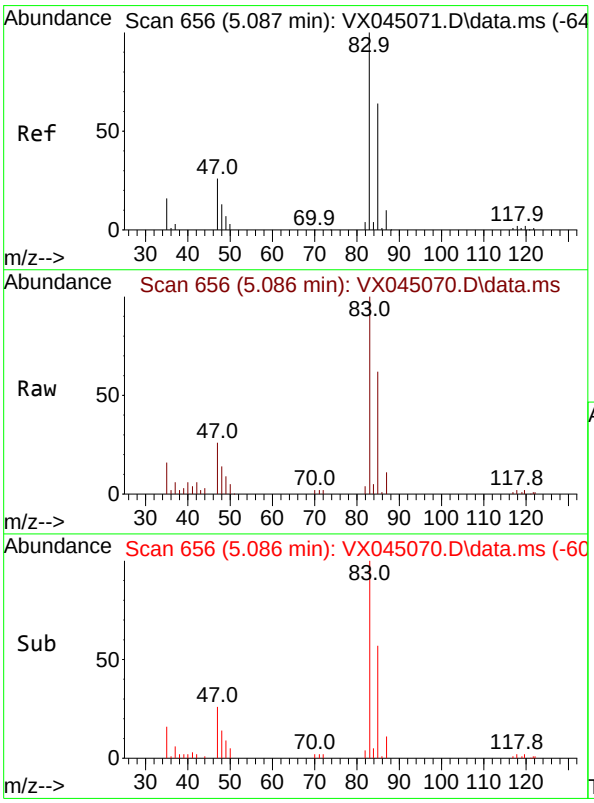
#29
Tetrahydrofuran
Concen: 122.519 ug/l
RT: 5.007 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

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

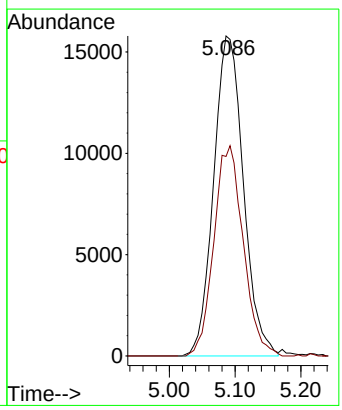


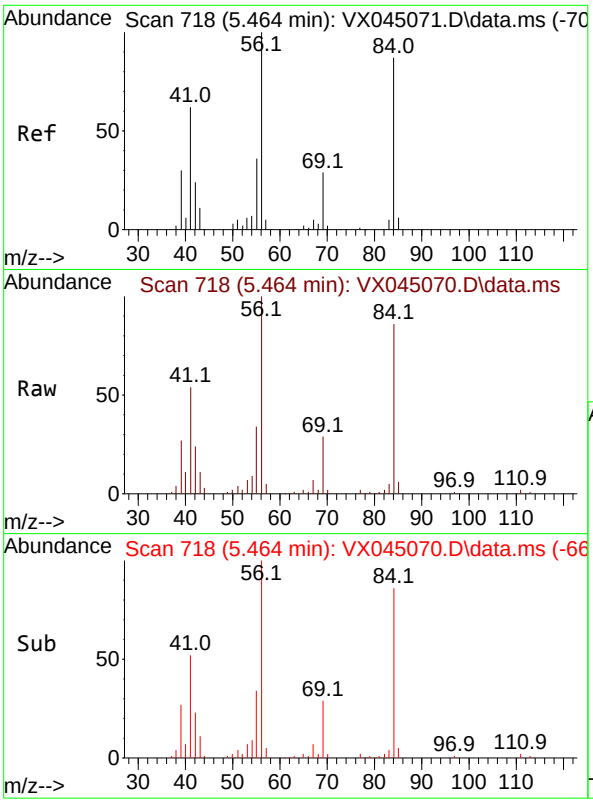


#30
Chloroform
Concen: 21.147 ug/l
RT: 5.086 min Scan# 656
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 83 Resp: 49751

Ion	Ratio	Lower	Upper
83	100		
85	62.3	51.4	77.2



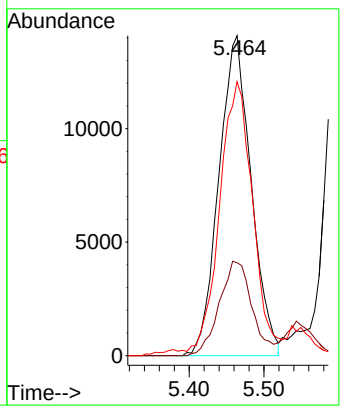


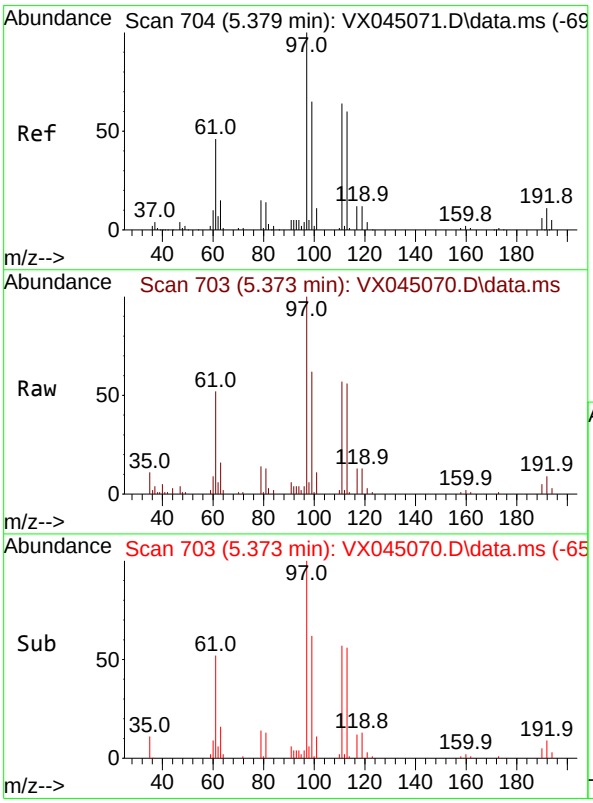
#31
Cyclohexane
Concen: 19.181 ug/l
RT: 5.464 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

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

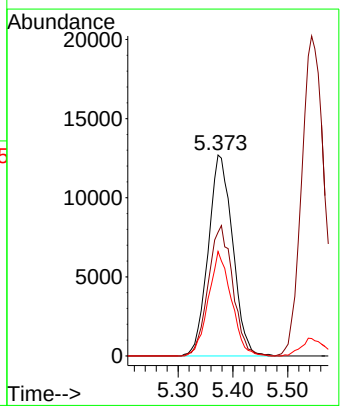


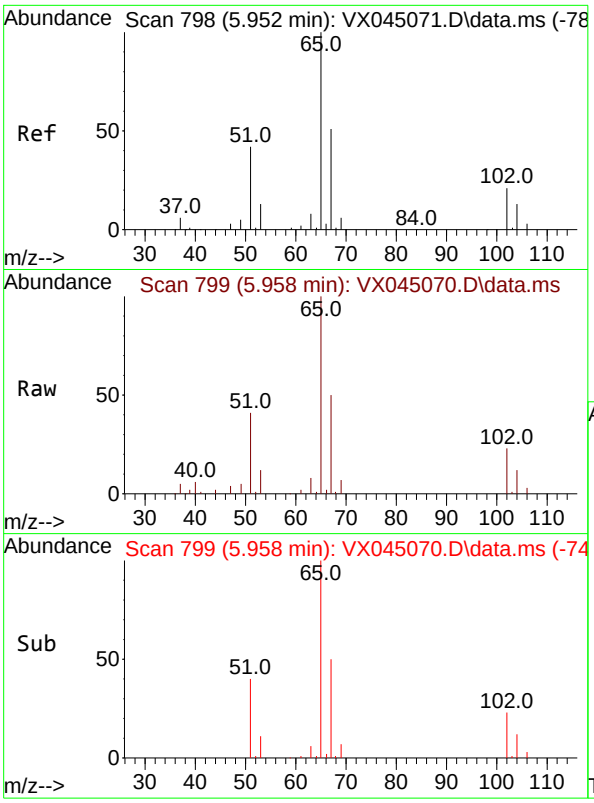


#32
1,1,1-Trichloroethane
Concen: 19.831 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

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



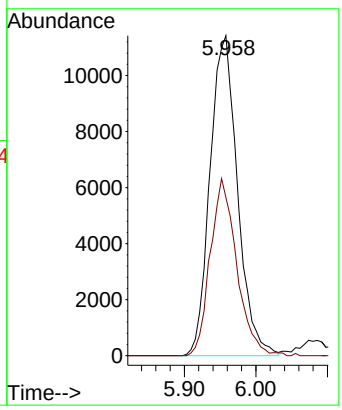


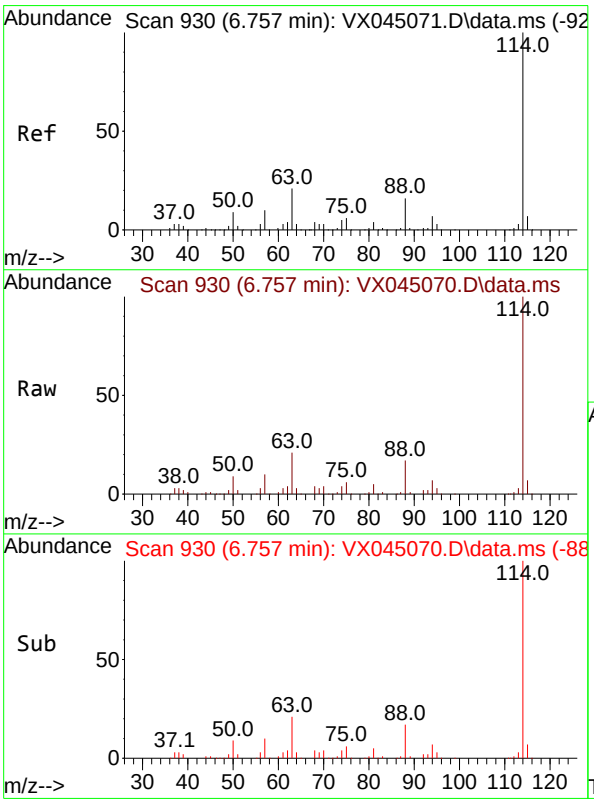
#33
1,2-Dichloroethane-d4
Concen: 21.221 ug/l
RT: 5.958 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 65 Resp: 30514

Ion	Ratio	Lower	Upper
65	100		
67	53.2	0.0	106.2

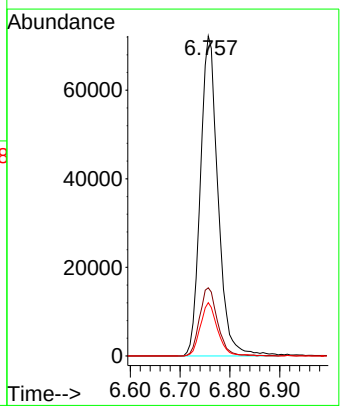


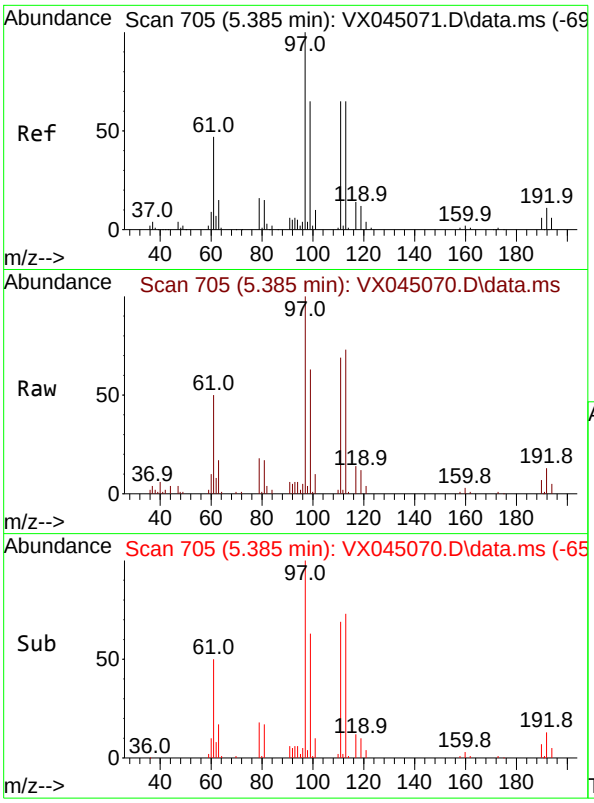


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

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



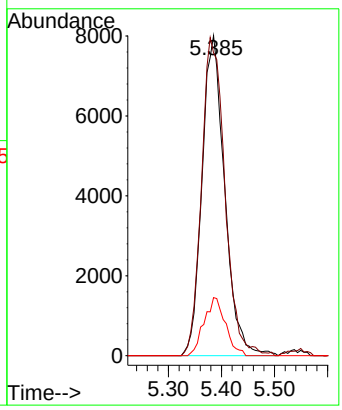


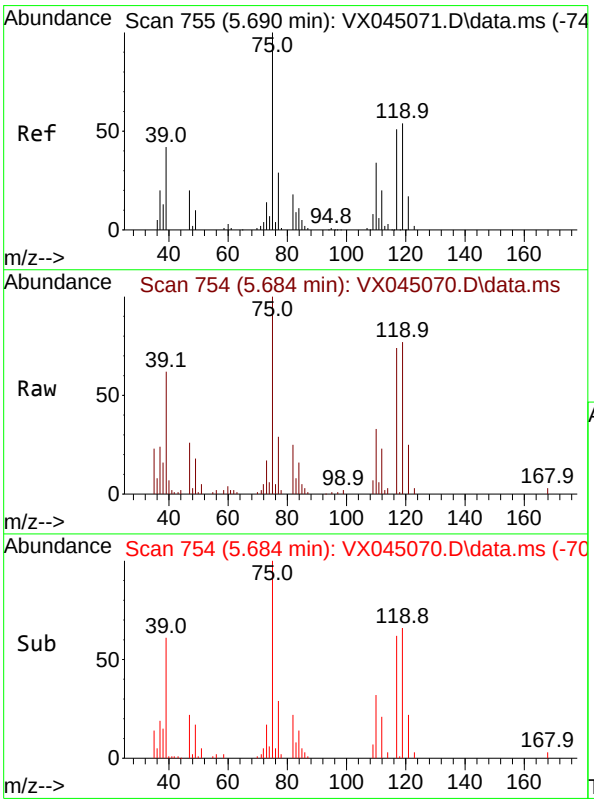
#35
Dibromofluoromethane
Concen: 20.473 ug/l
RT: 5.385 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

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

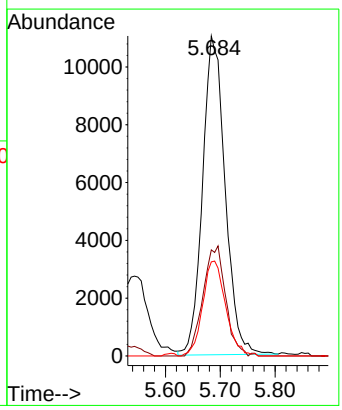


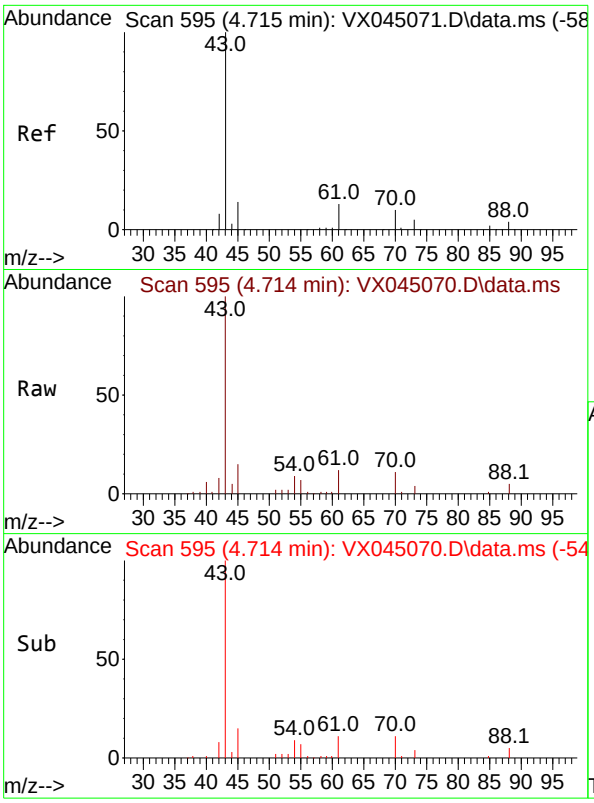


#36
1,1-Dichloropropene
Concen: 18.903 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

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



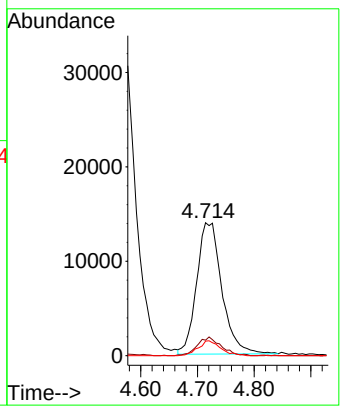


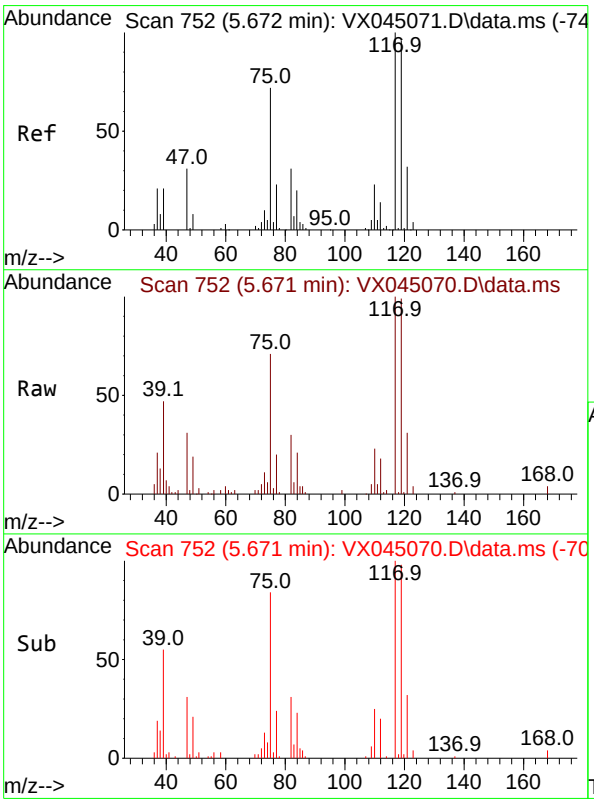
#37
Ethyl Acetate
Concen: 22.714 ug/l
RT: 4.714 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

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

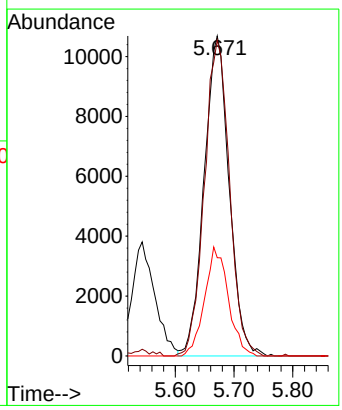


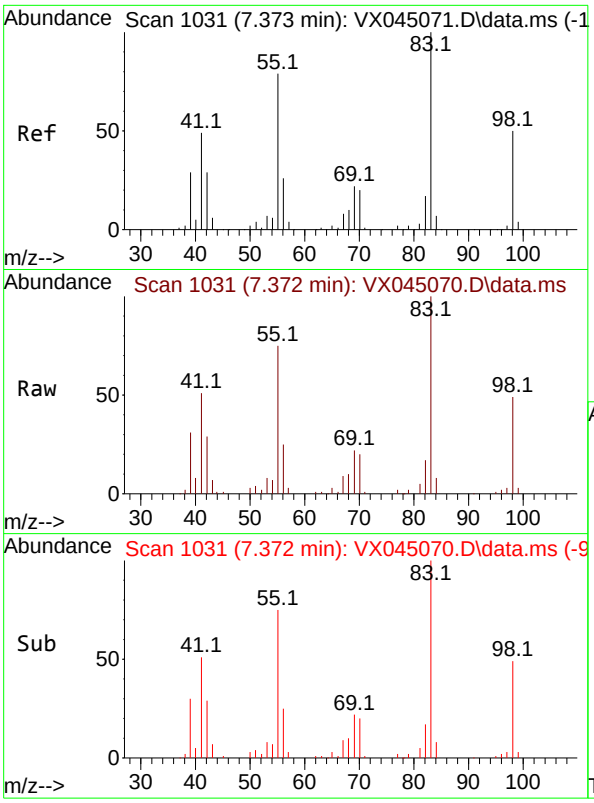


#38
Carbon Tetrachloride
Concen: 19.334 ug/l
RT: 5.671 min Scan# 752
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

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



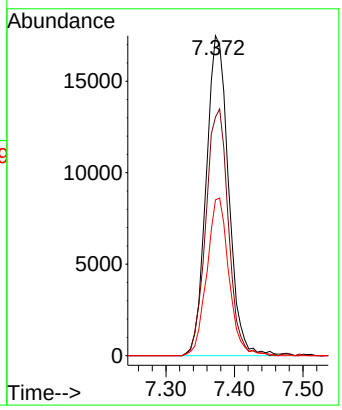


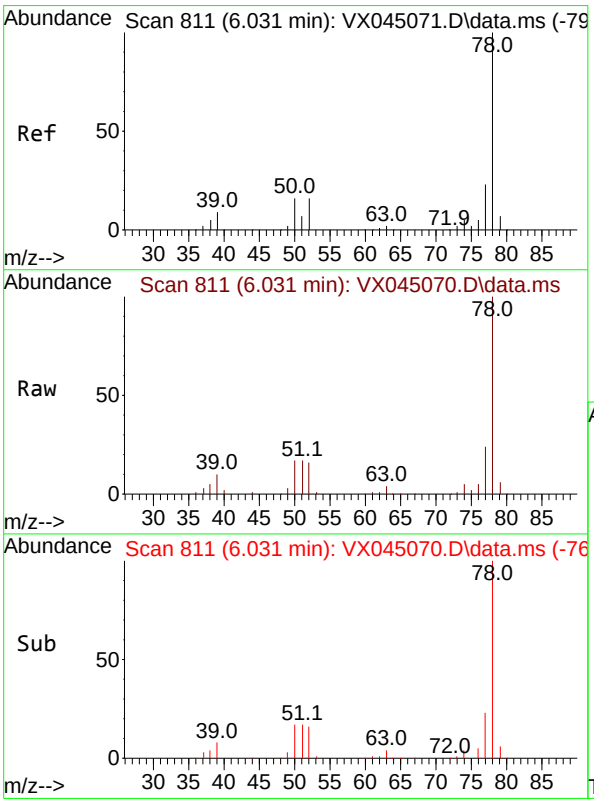
#39
Methylcyclohexane
Concen: 18.676 ug/l
RT: 7.372 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

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

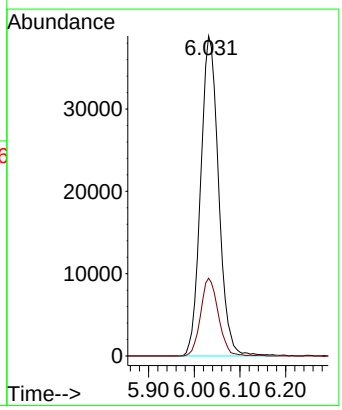


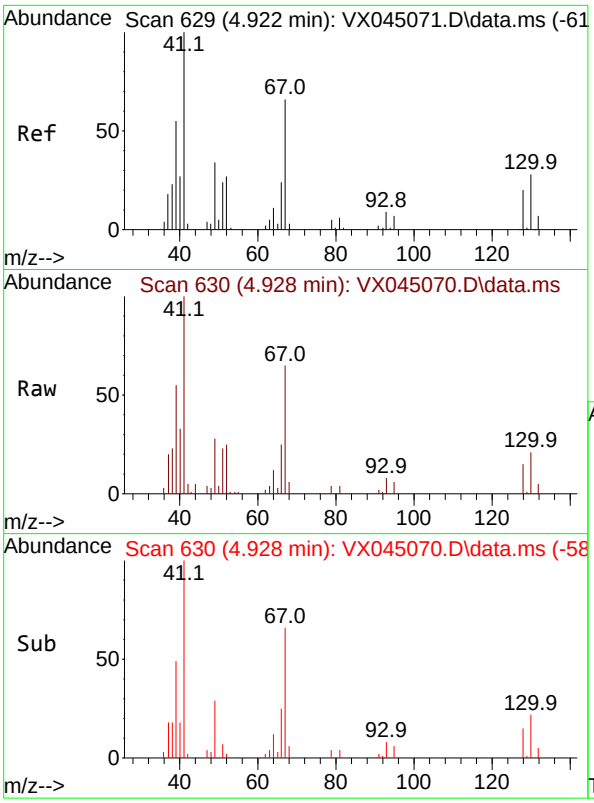


#40
Benzene
Concen: 20.298 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 78 Resp: 105787

Ion	Ratio	Lower	Upper
78	100		
77	24.3	18.8	28.2



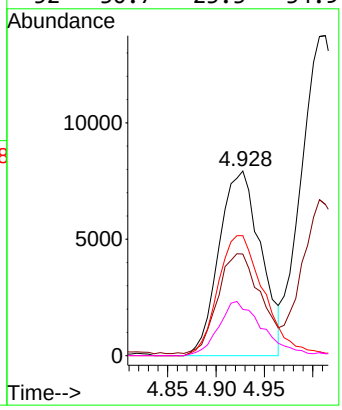


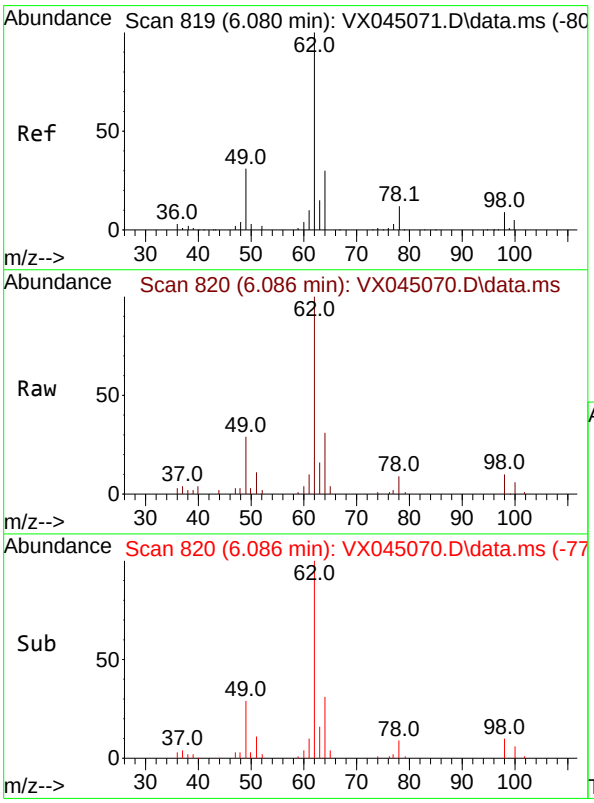
#41
Methacrylonitrile
Concen: 23.605 ug/l
RT: 4.928 min Scan# 6
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

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

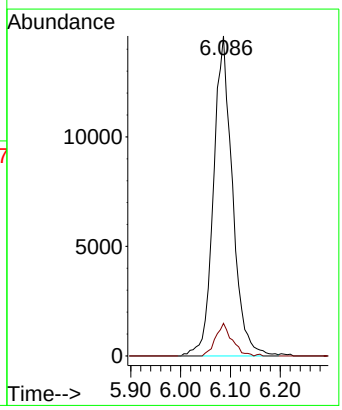


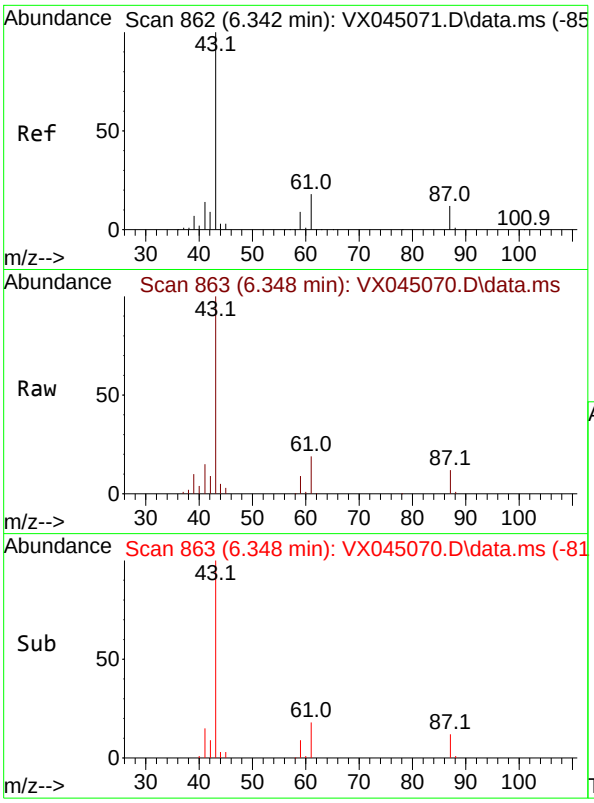


#42
1,2-Dichloroethane
Concen: 22.886 ug/l
RT: 6.086 min Scan# 820
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 62 Resp: 38653

Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	18.2



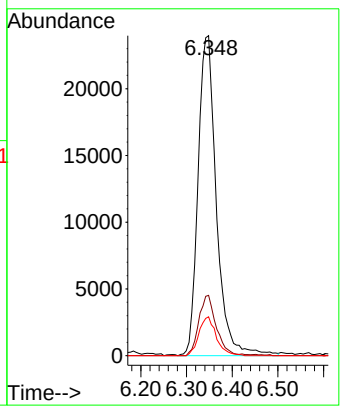


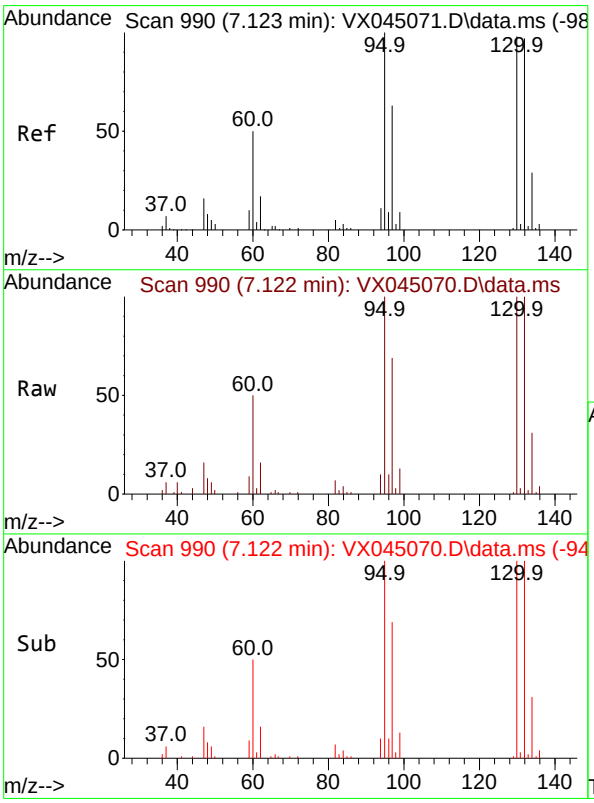
#43
Isopropyl Acetate
Concen: 22.094 ug/l
RT: 6.348 min Scan# 8
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

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

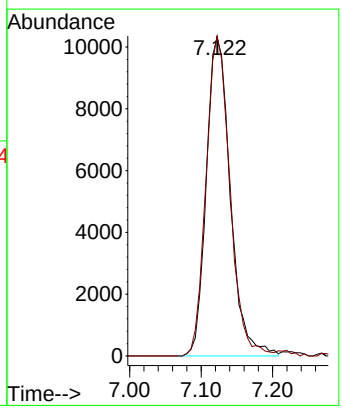


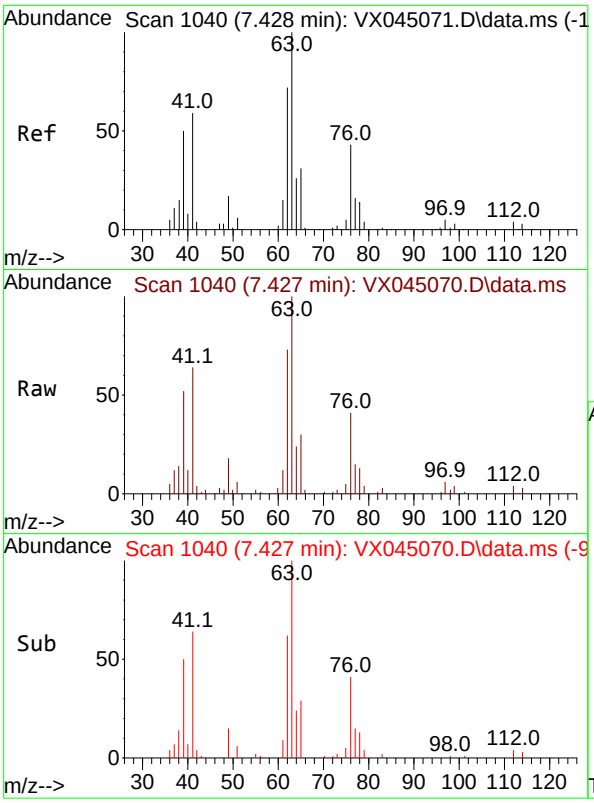


#44
Trichloroethene
Concen: 20.191 ug/l
RT: 7.122 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:130 Resp: 24052

Ion	Ratio	Lower	Upper
130	100		
95	100.3	0.0	205.0



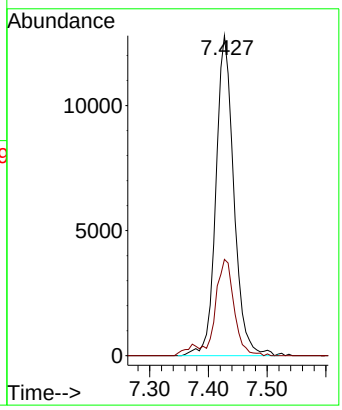


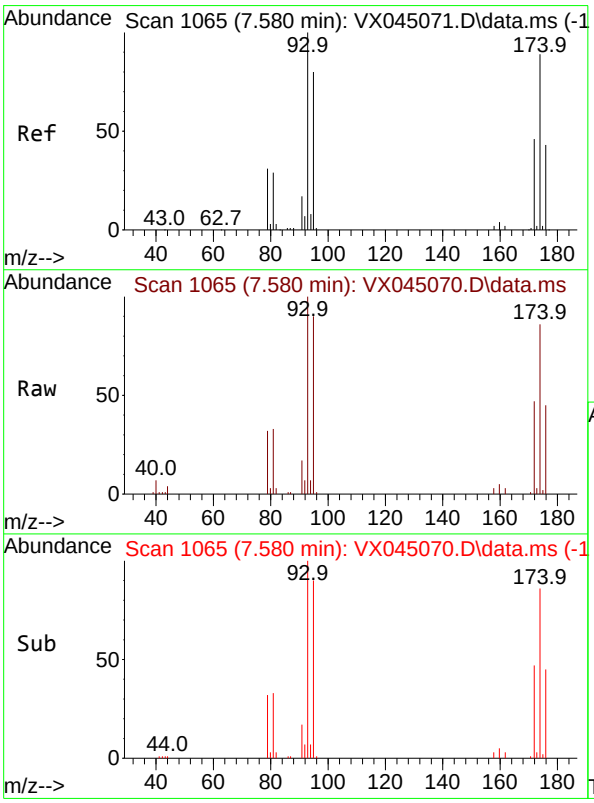
#45
1,2-Dichloropropane
Concen: 20.945 ug/l
RT: 7.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 63 Resp: 27128

Ion	Ratio	Lower	Upper
63	100		
65	30.1	24.7	37.1

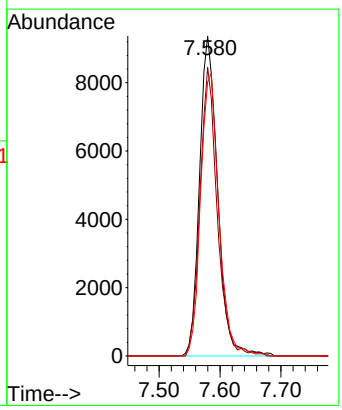


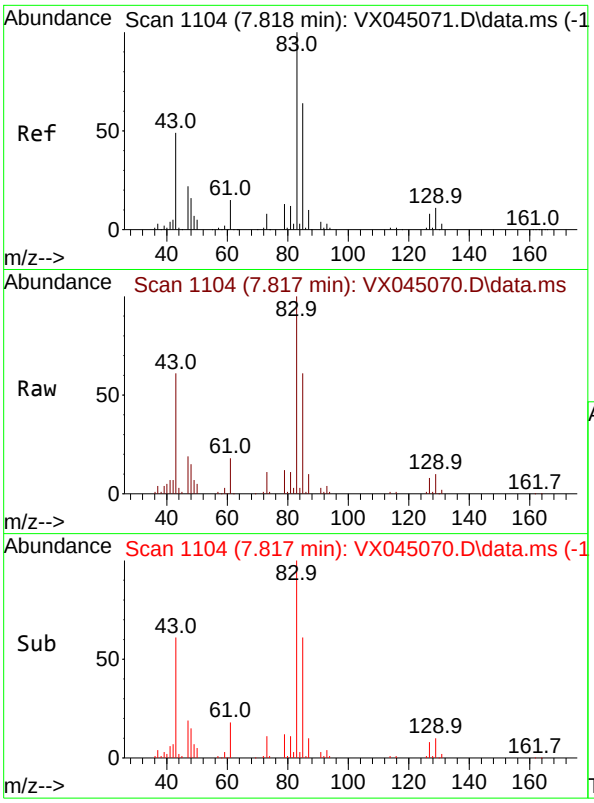


#46
Dibromomethane
Concen: 21.357 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

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



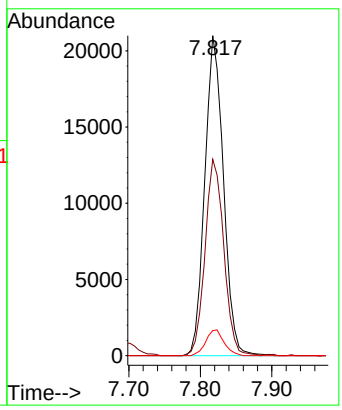


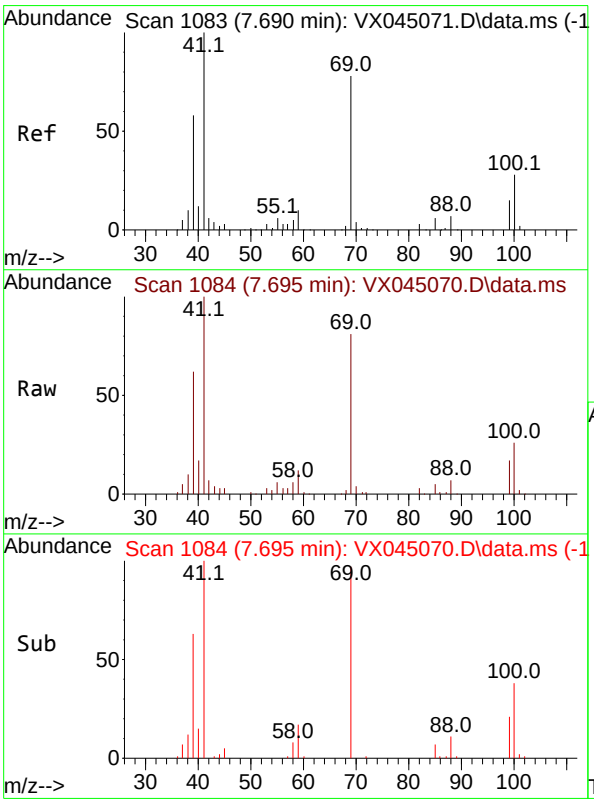
#47
Bromodichloromethane
Concen: 21.732 ug/l
RT: 7.817 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

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

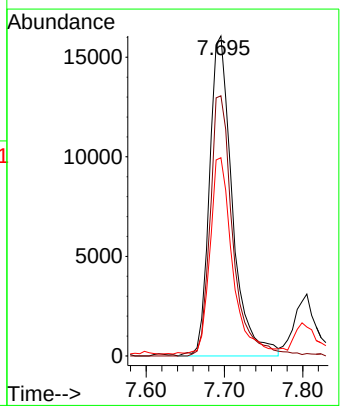


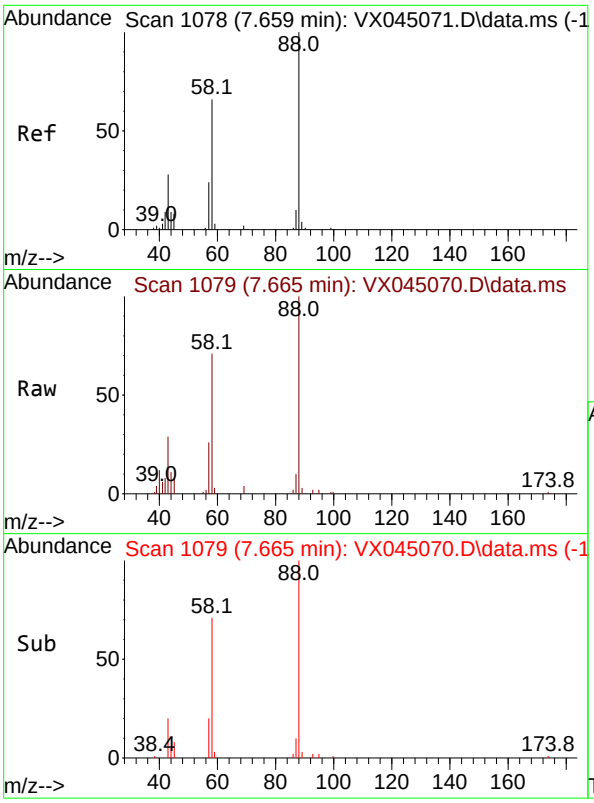


#48
Methyl methacrylate
Concen: 22.757 ug/l
RT: 7.695 min Scan# 1084
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

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



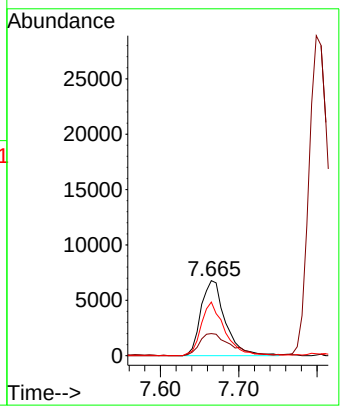


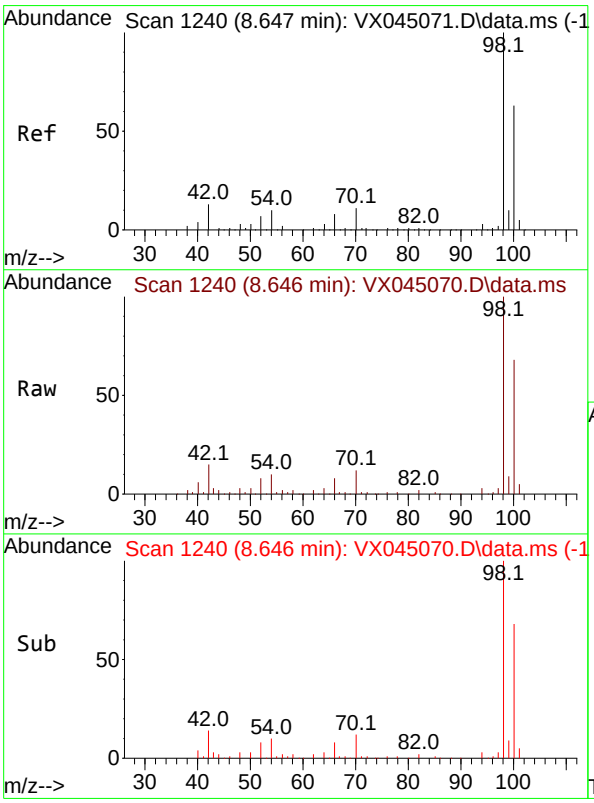
#49
1,4-Dioxane
Concen: 479.170 ug/l
RT: 7.665 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

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

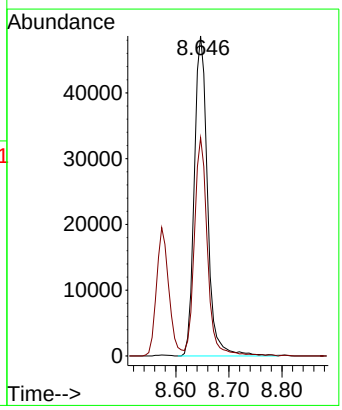


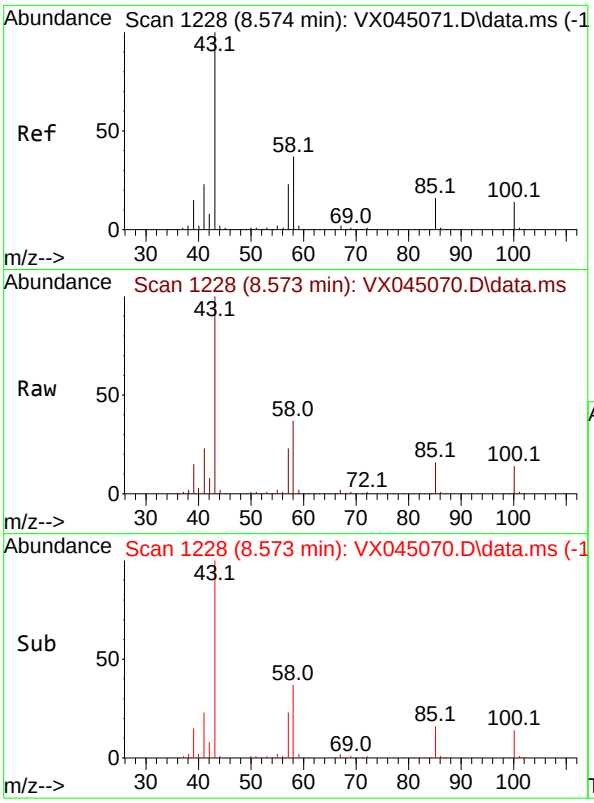


#50
Toluene-d8
Concen: 19.469 ug/l
RT: 8.646 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 98 Resp: 84516

Ion	Ratio	Lower	Upper
98	100		
100	67.2	52.0	78.0



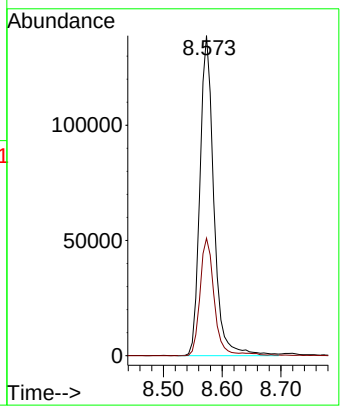


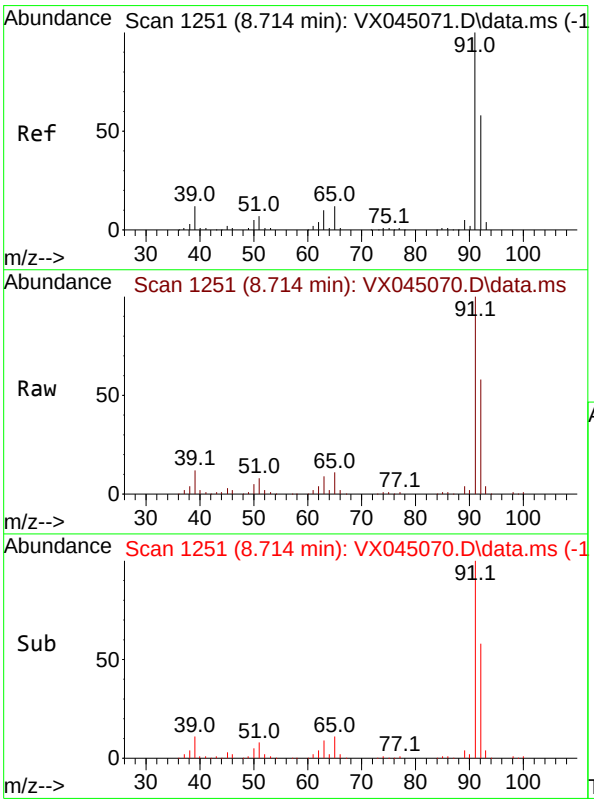
#51
4-Methyl-2-Pentanone
Concen: 124.081 ug/l
RT: 8.573 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 229615

Ion	Ratio	Lower	Upper
43	100		
58	37.5	29.2	43.8

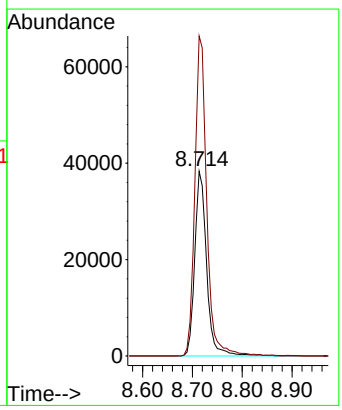


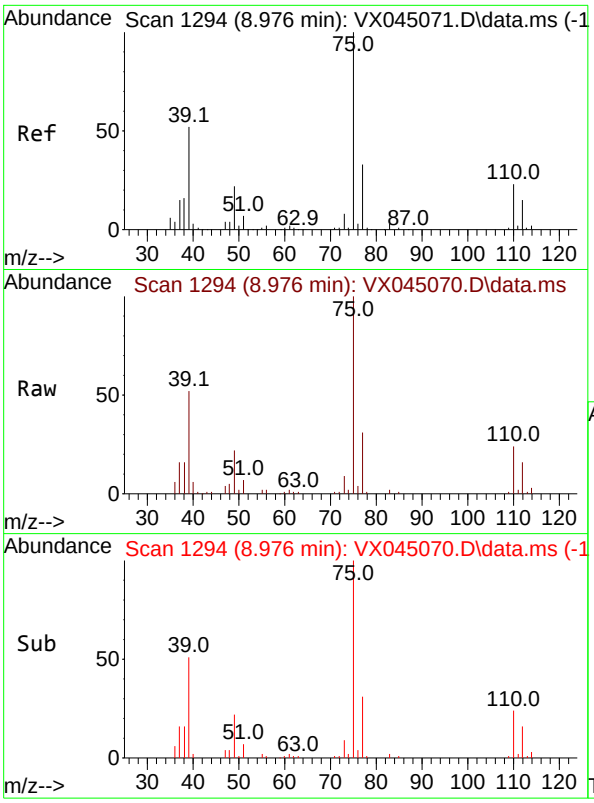


#52
Toluene
Concen: 20.463 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 92 Resp: 63326

Ion	Ratio	Lower	Upper
92	100		
91	173.7	138.9	208.3



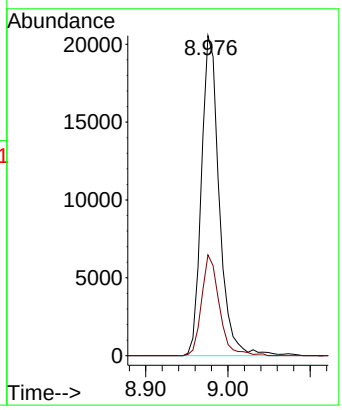


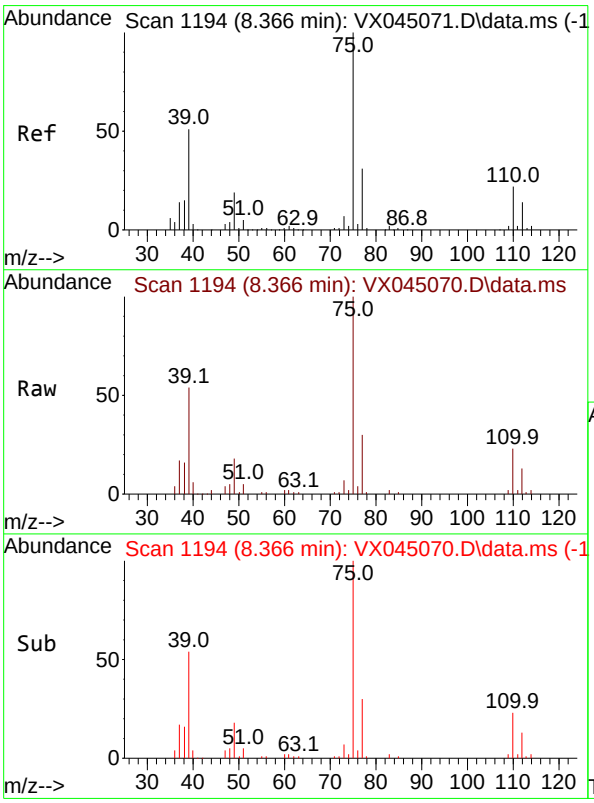
#53
t-1,3-Dichloropropene
Concen: 17.871 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 75 Resp: 30917

Ion	Ratio	Lower	Upper
75	100		
77	31.5	26.5	39.7

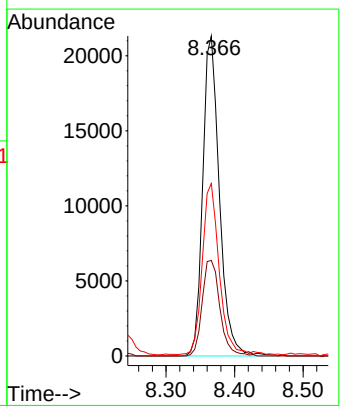


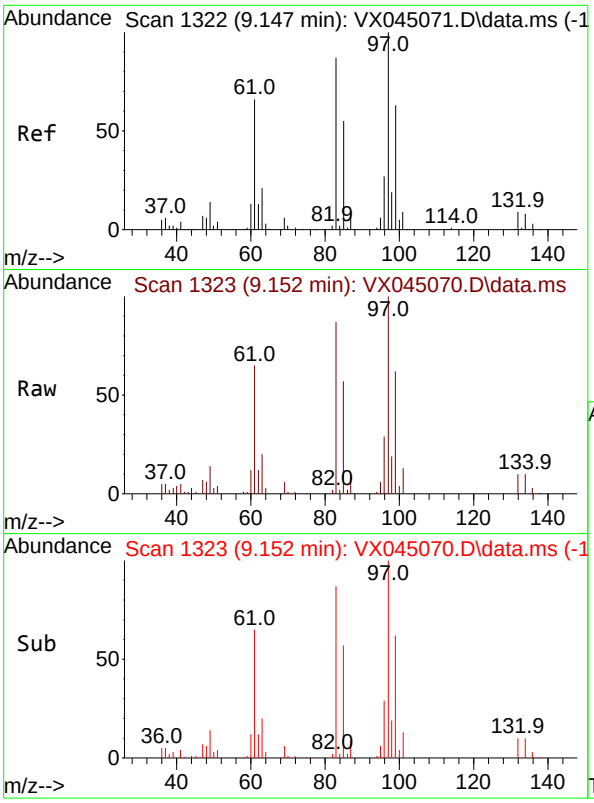


#54
cis-1,3-Dichloropropene
Concen: 18.675 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

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



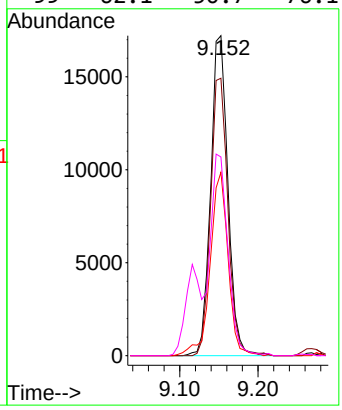


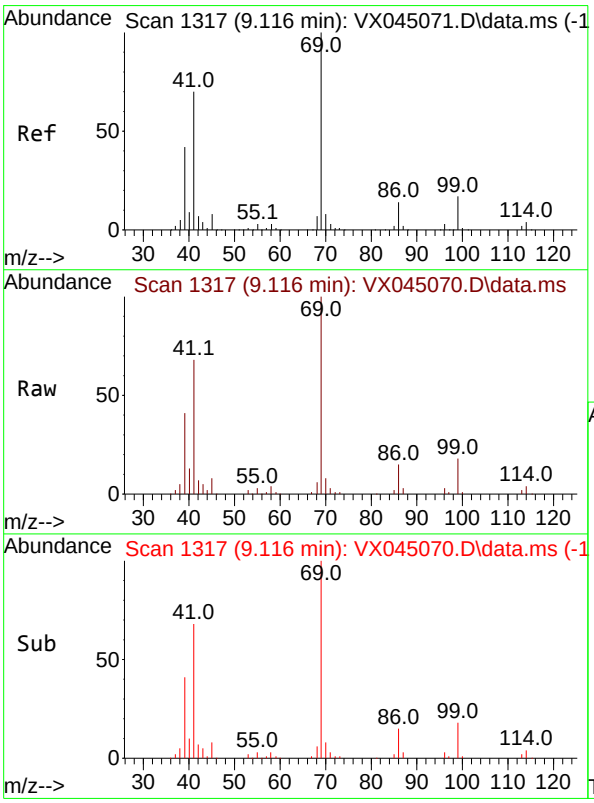
#55
1,1,2-Trichloroethane
Concen: 21.992 ug/l
RT: 9.152 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

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

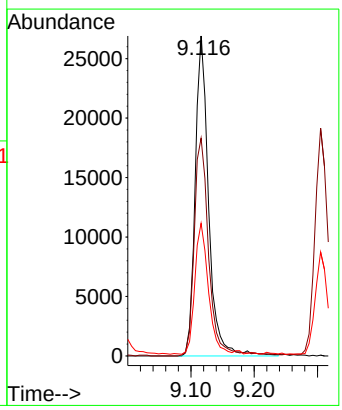


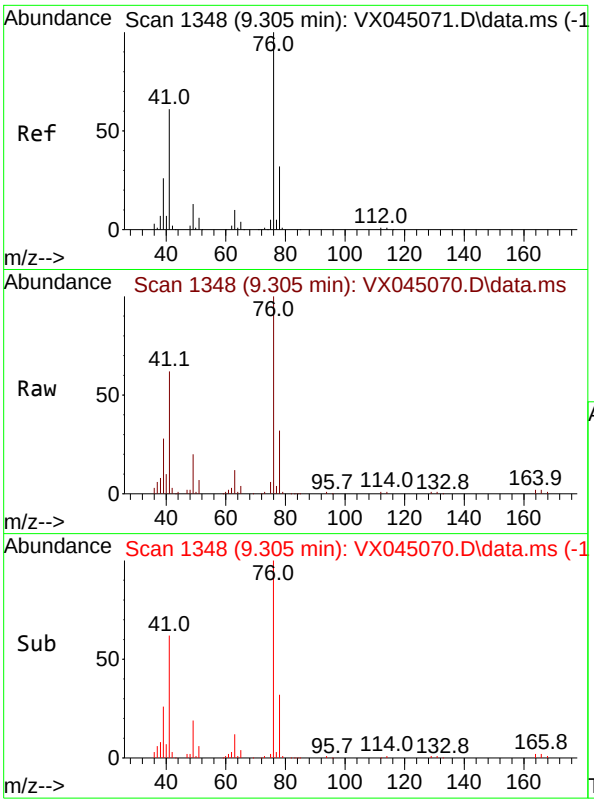


#56
Ethyl methacrylate
Concen: 20.791 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

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



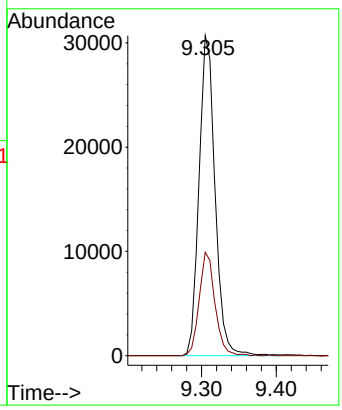


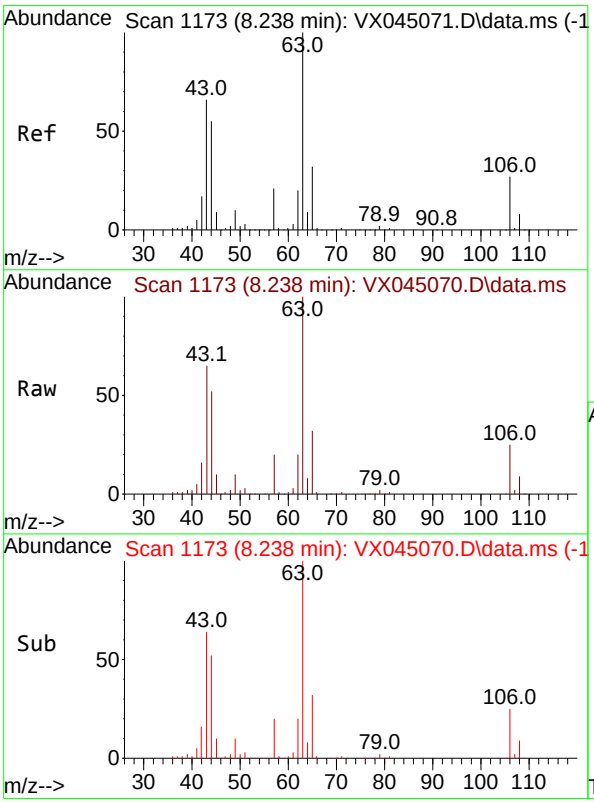
#57
1,3-Dichloropropane
Concen: 21.836 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 76 Resp: 45644

Ion	Ratio	Lower	Upper
76	100		
78	31.9	25.5	38.3

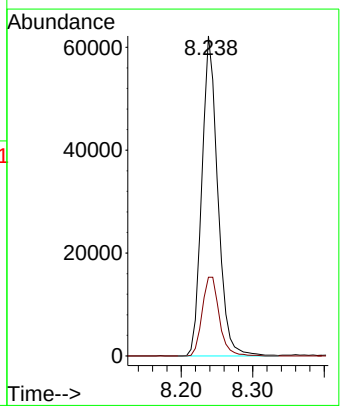


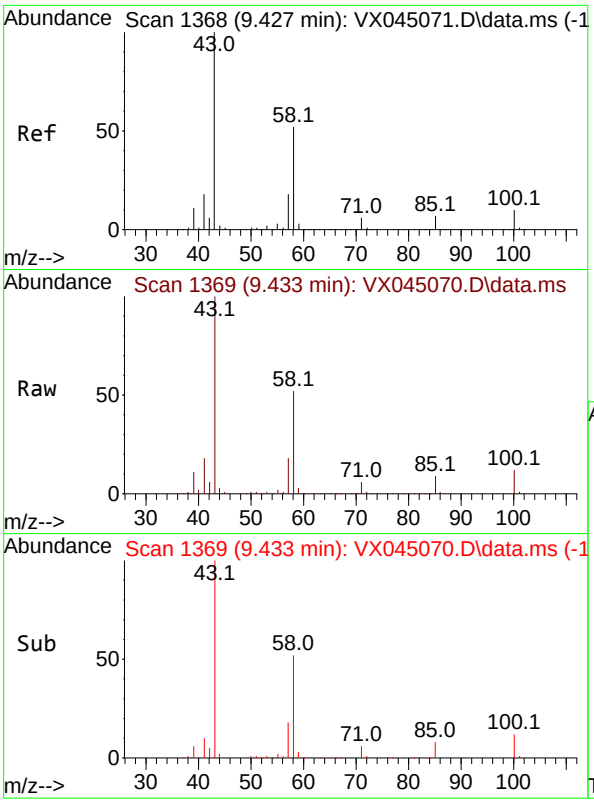


#58
2-Chloroethyl Vinyl ether
Concen: 102.342 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 63 Resp: 96311

Ion	Ratio	Lower	Upper
63	100		
106	26.4	21.5	32.3



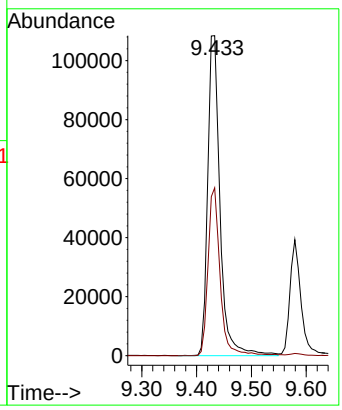


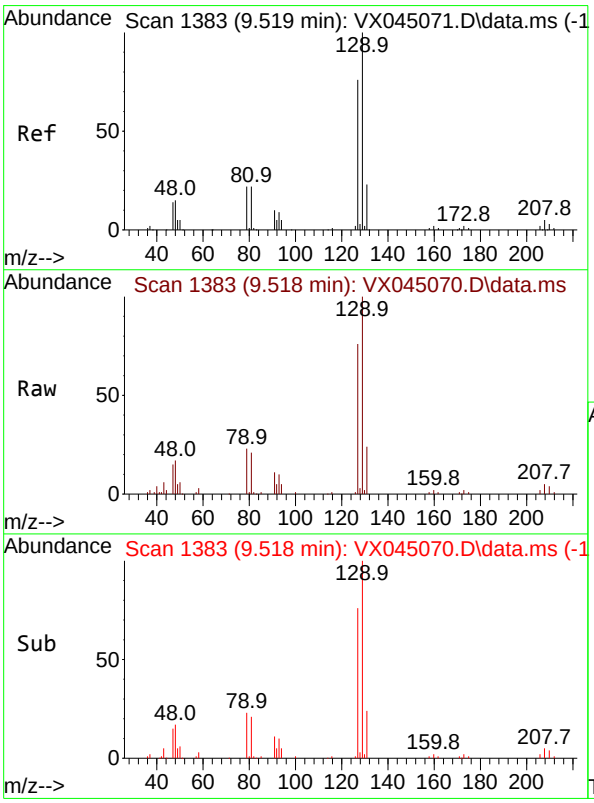
#59
2-Hexanone
Concen: 126.428 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 168768

Ion	Ratio	Lower	Upper
43	100		
58	51.6	25.9	77.6

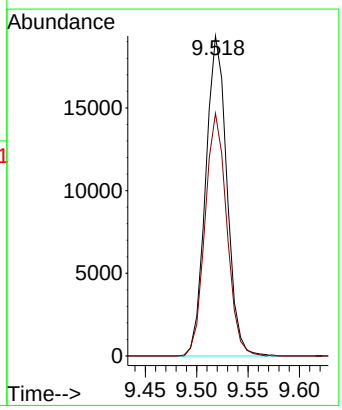


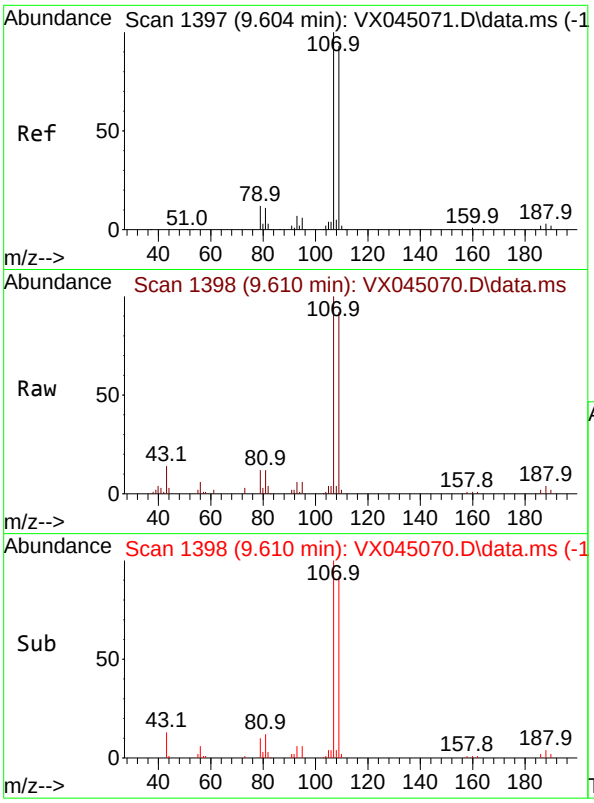


#60
Dibromochloromethane
Concen: 21.668 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:129 Resp: 27705

Ion	Ratio	Lower	Upper
129	100		
127	77.8	38.5	115.5



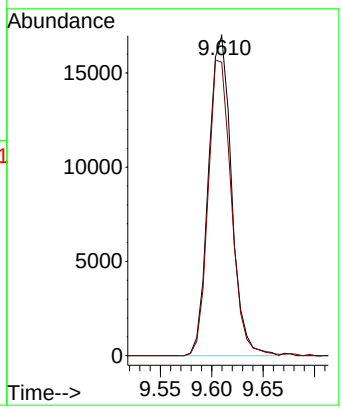


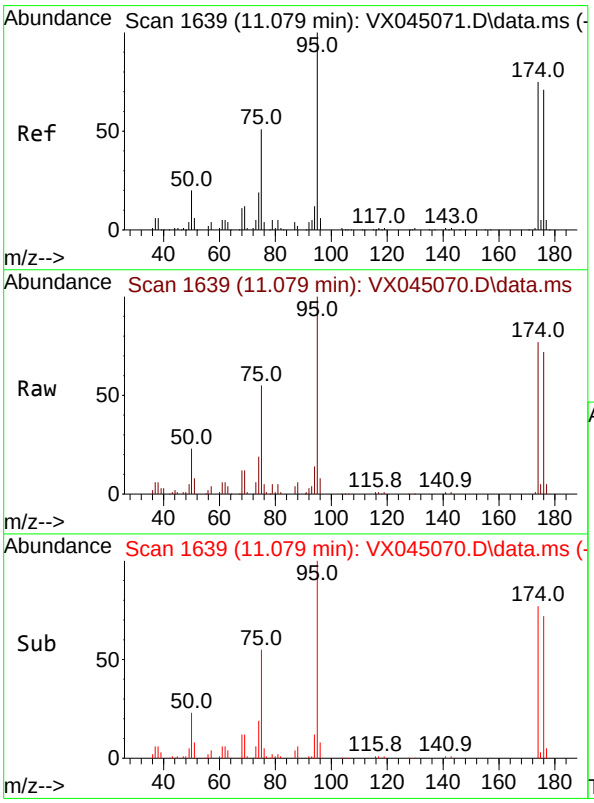
#61
1,2-Dibromoethane
Concen: 21.764 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:107 Resp: 26311

Ion	Ratio	Lower	Upper
107	100		
109	93.3	76.1	114.1

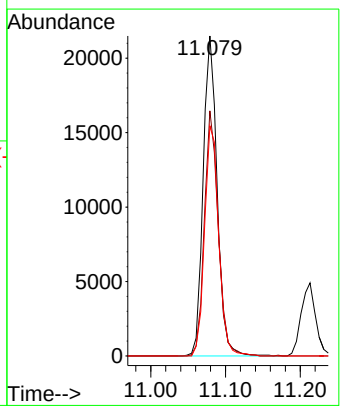


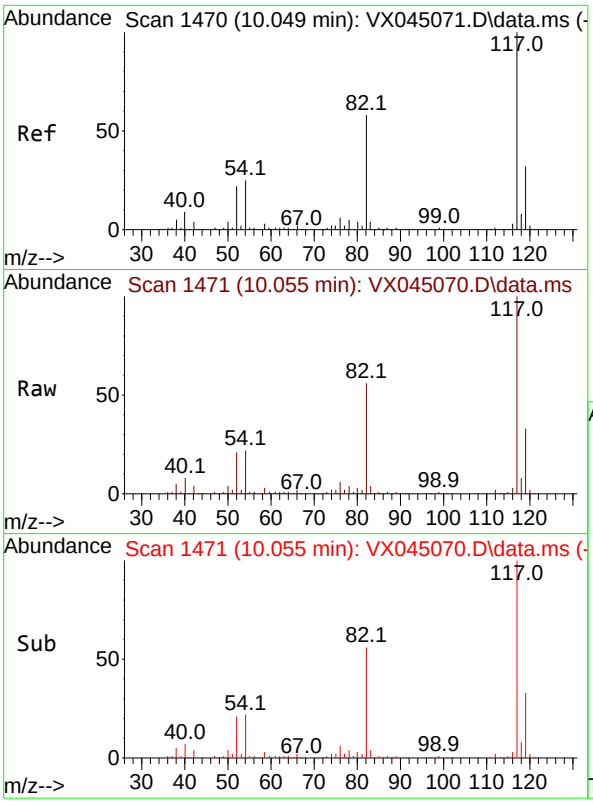


#62
4-Bromofluorobenzene
Concen: 19.215 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

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



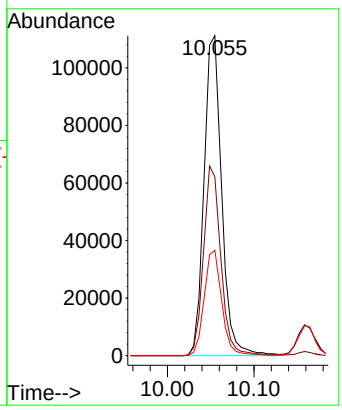


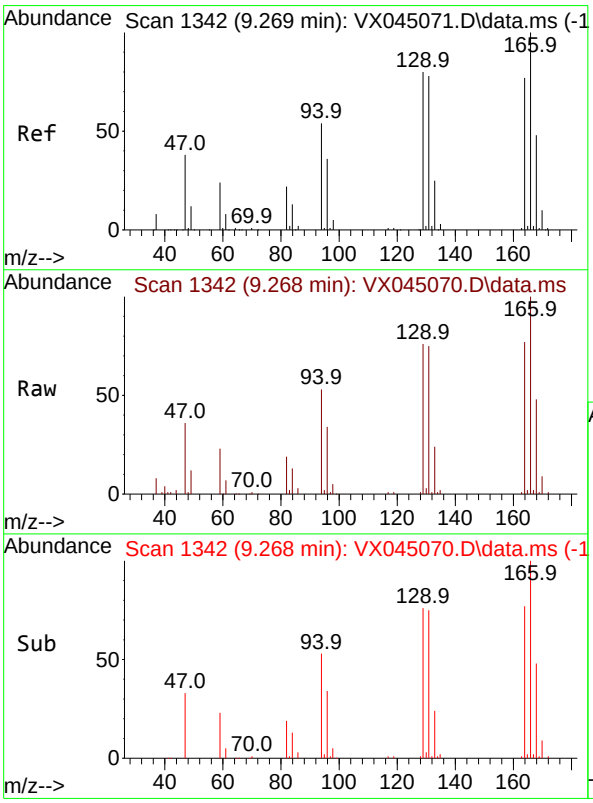
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

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

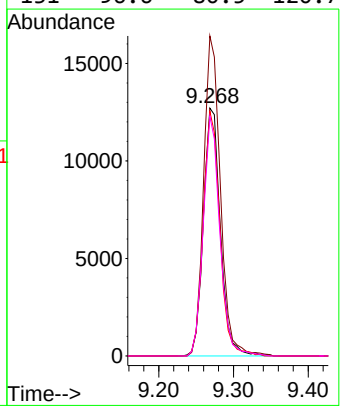


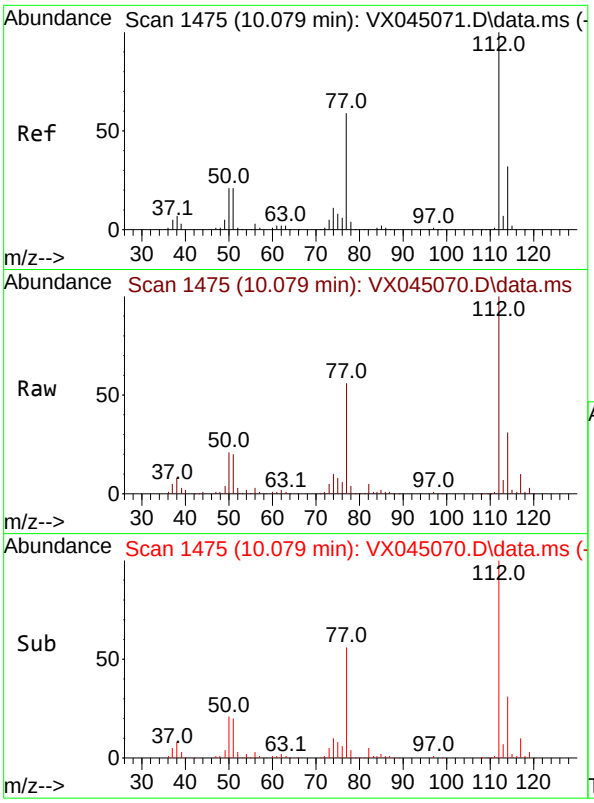


#64
Tetrachloroethene
Concen: 20.102 ug/l
RT: 9.268 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

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



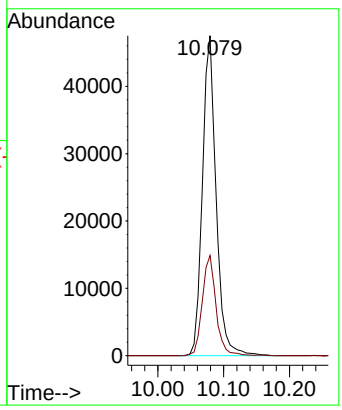


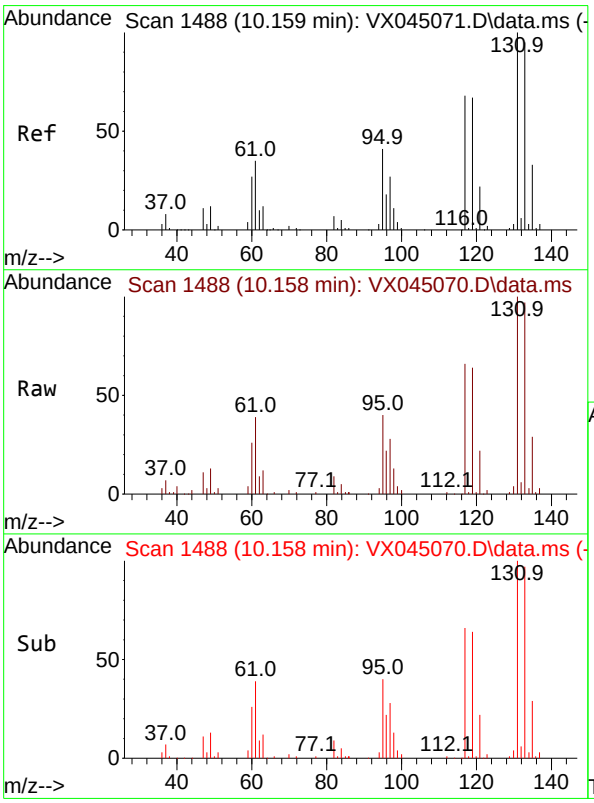
#65
Chlorobenzene
Concen: 20.316 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:112 Resp: 68777

Ion	Ratio	Lower	Upper
112	100		
114	31.3	26.0	39.0

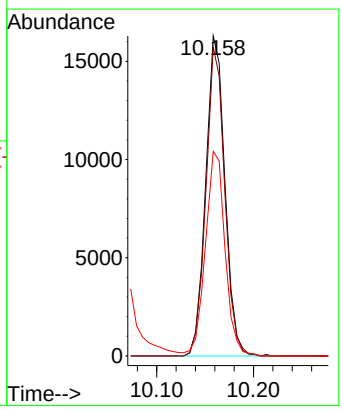


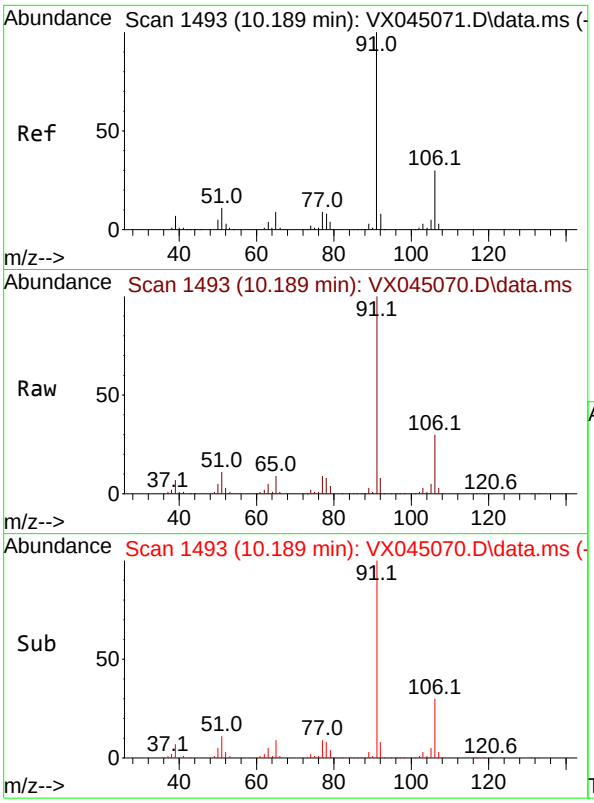


#66
1,1,1,2-Tetrachloroethane
Concen: 20.627 ug/l
RT: 10.158 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

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



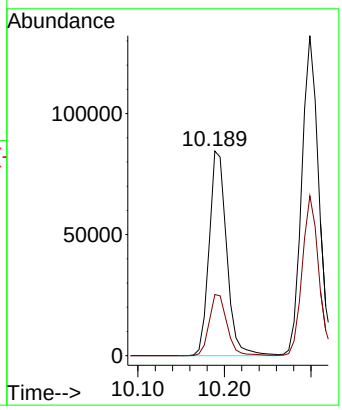


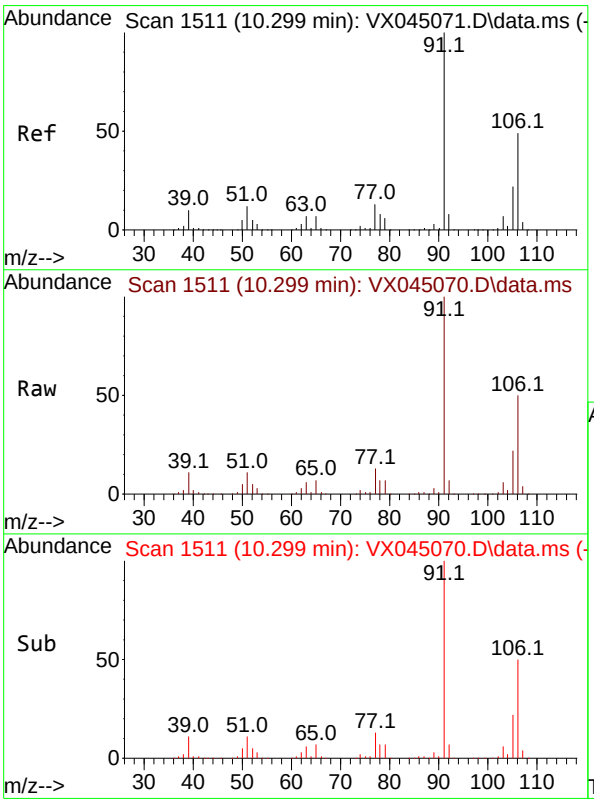
#67
Ethyl Benzene
Concen: 19.905 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 91 Resp: 119165

Ion	Ratio	Lower	Upper
91	100		
106	29.9	23.9	35.9

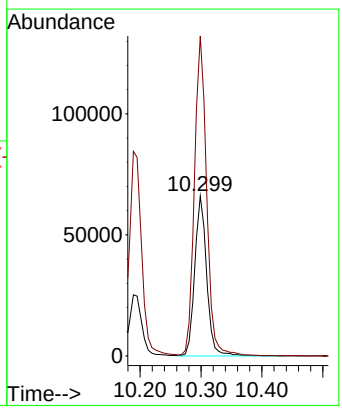


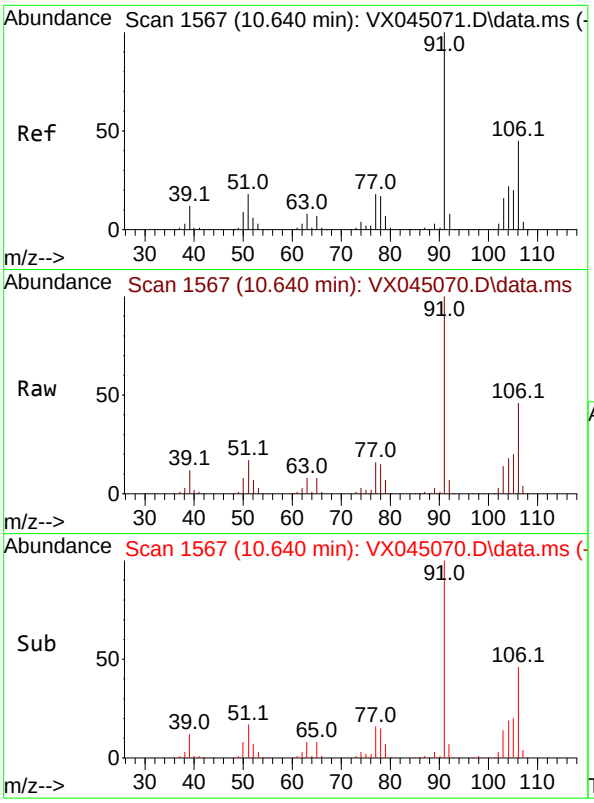


#68
m/p-Xylenes
Concen: 40.699 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:106 Resp: 89735

Ion	Ratio	Lower	Upper
106	100		
91	204.2	165.4	248.0



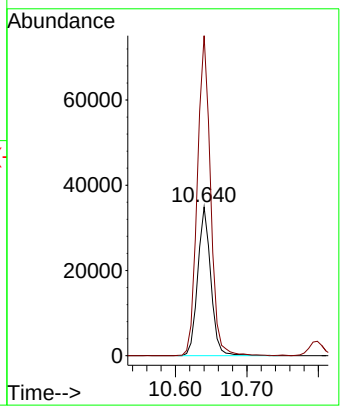


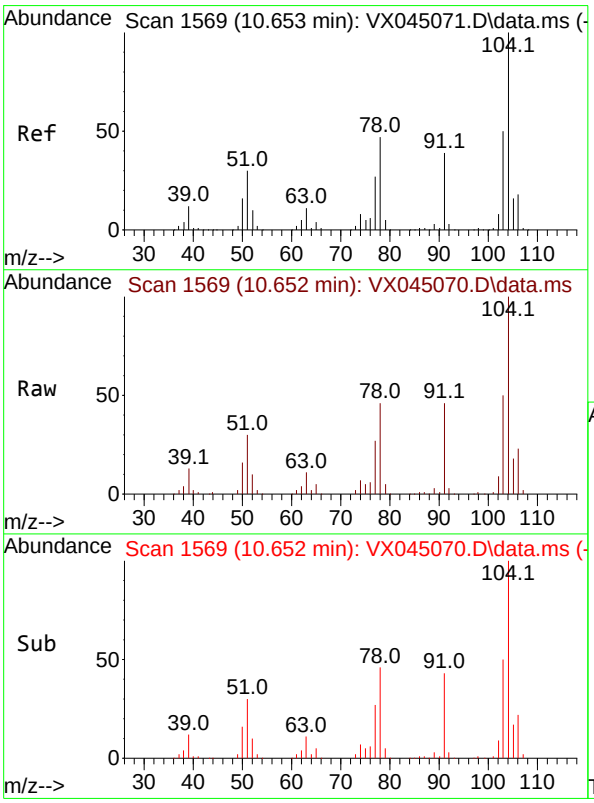
#69
o-Xylene
Concen: 20.018 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:106 Resp: 44281

Ion	Ratio	Lower	Upper
106	100		
91	216.8	109.9	329.6

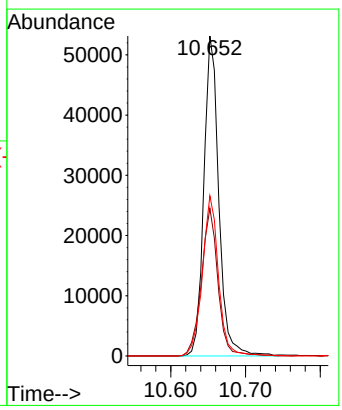


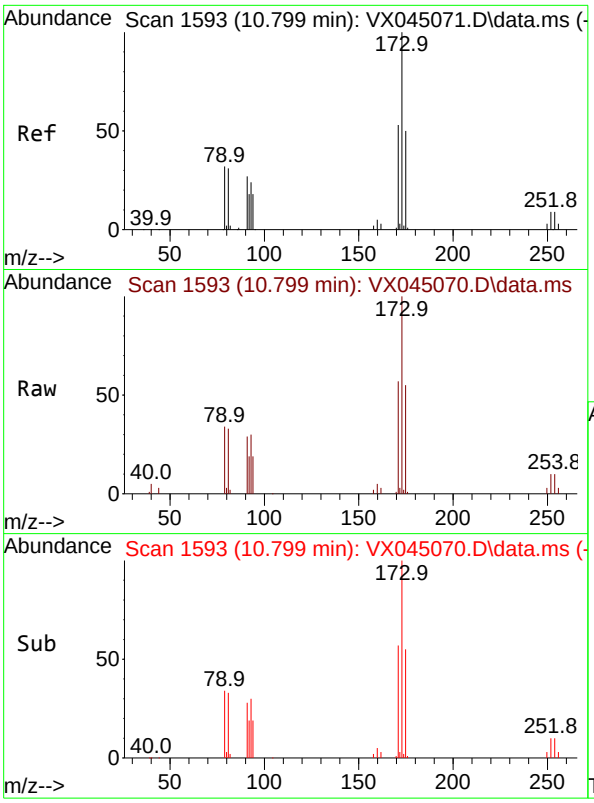


#70
Styrene
Concen: 20.767 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

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



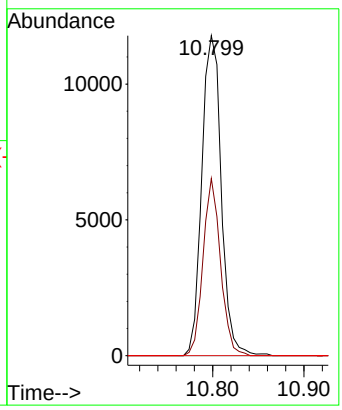


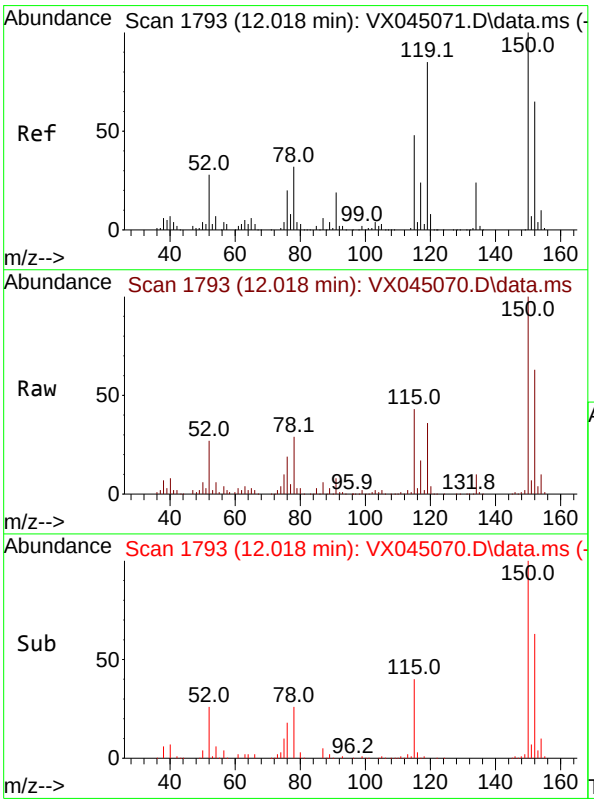
#71
Bromoform
Concen: 21.449 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

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

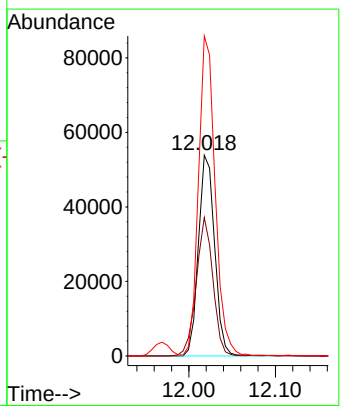


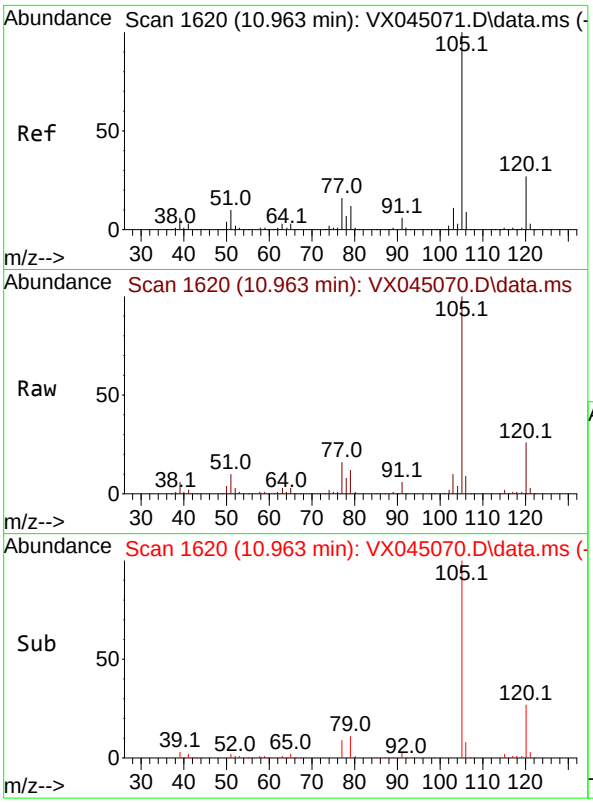


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

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



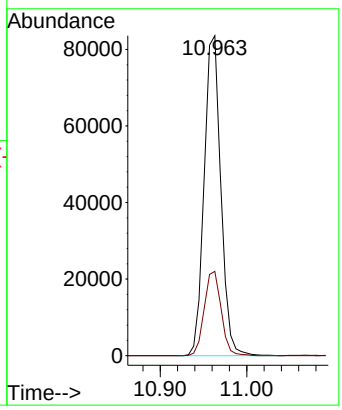


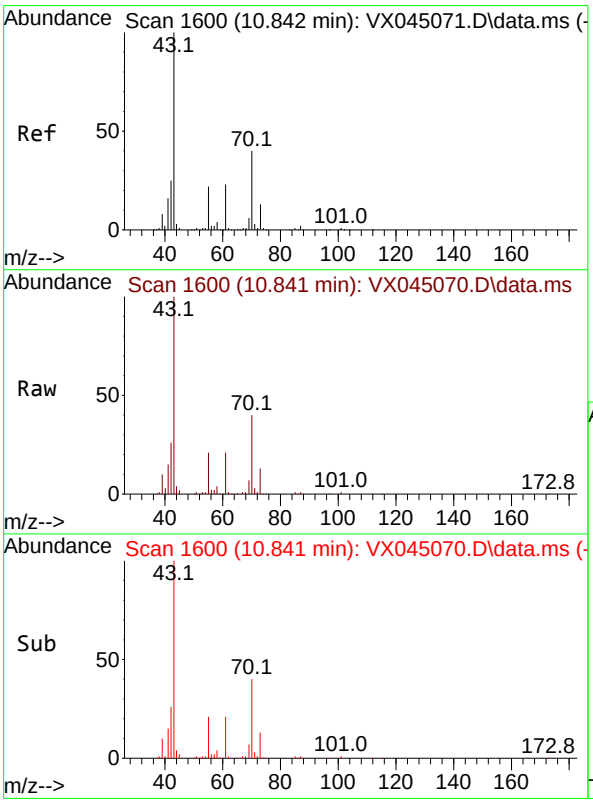
#73
Isopropylbenzene
Concen: 19.794 ug/l
RT: 10.963 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:105 Resp: 112099

Ion	Ratio	Lower	Upper
105	100		
120	26.7	13.2	39.5

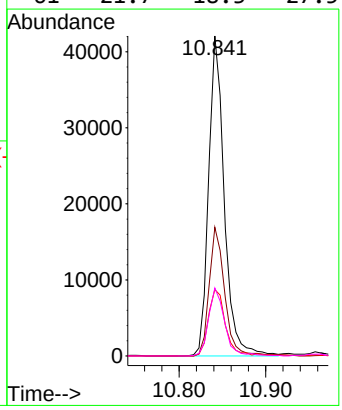


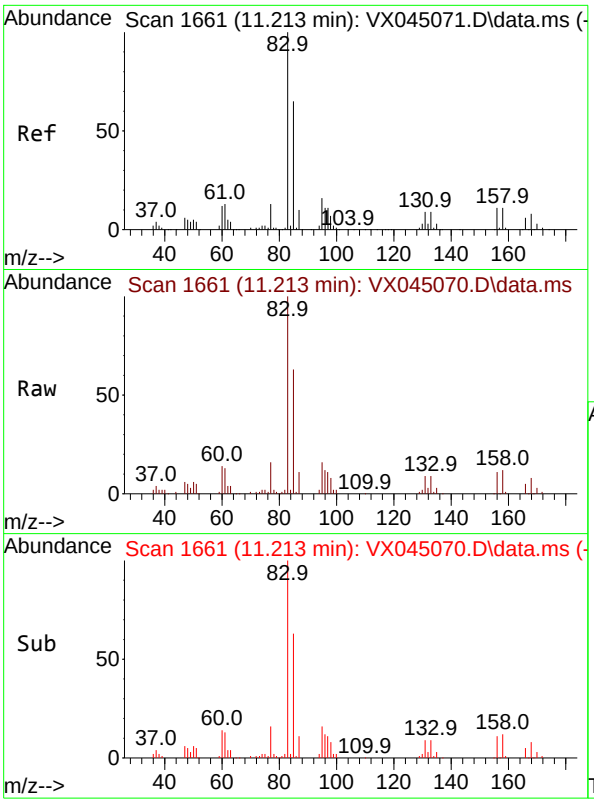


#74
N-amyl acetate
Concen: 20.606 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

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



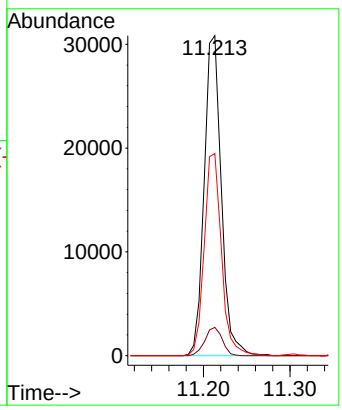


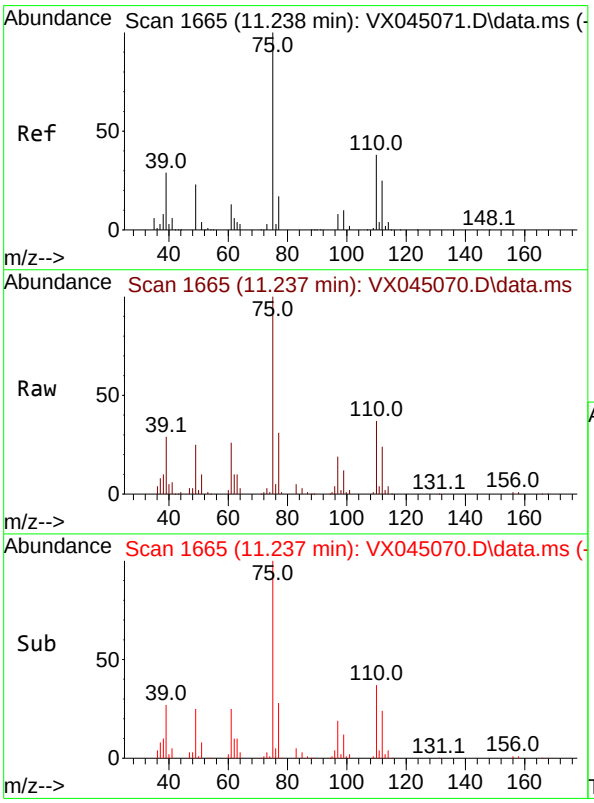
#75
1,1,2,2-Tetrachloroethane
Concen: 21.738 ug/l
RT: 11.213 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

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

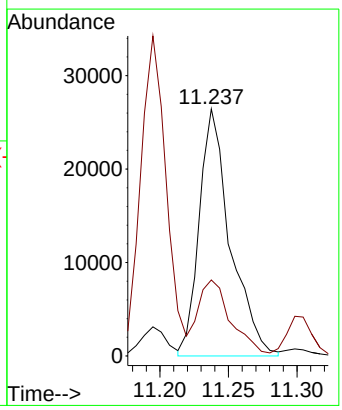


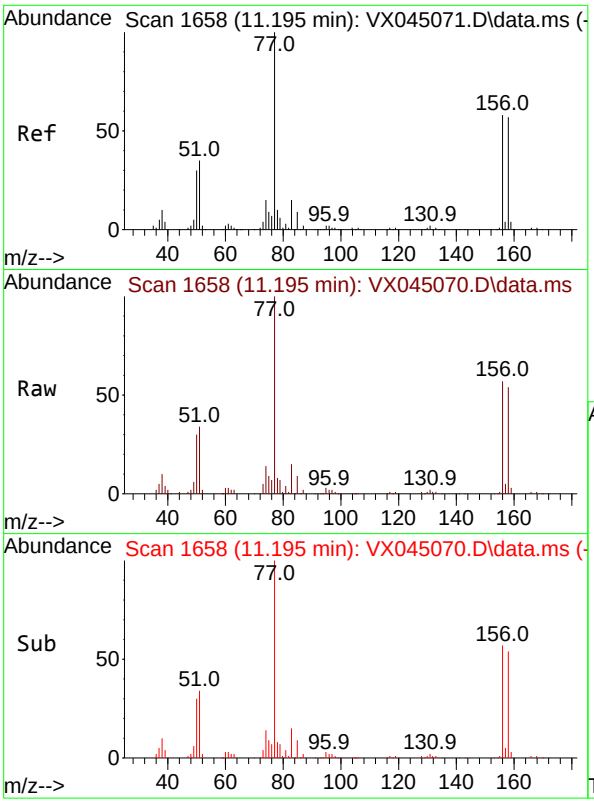


#76
1,2,3-Trichloropropane
Concen: 26.713 ug/l
RT: 11.237 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 75 Resp: 41754

Ion	Ratio	Lower	Upper
75	100		
77	32.5	20.7	62.1



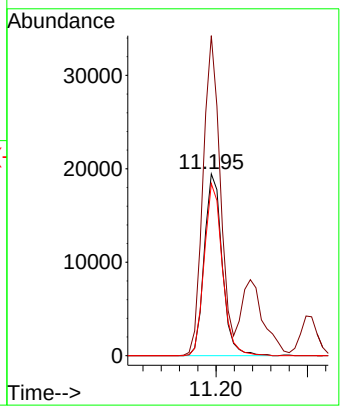


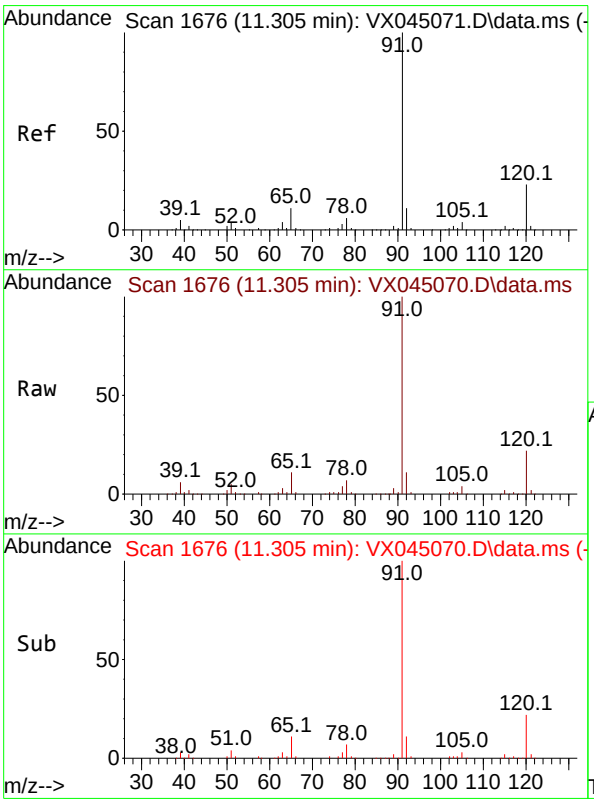
#77
Bromobenzene
Concen: 20.466 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

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

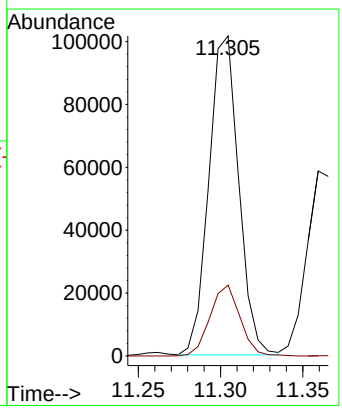


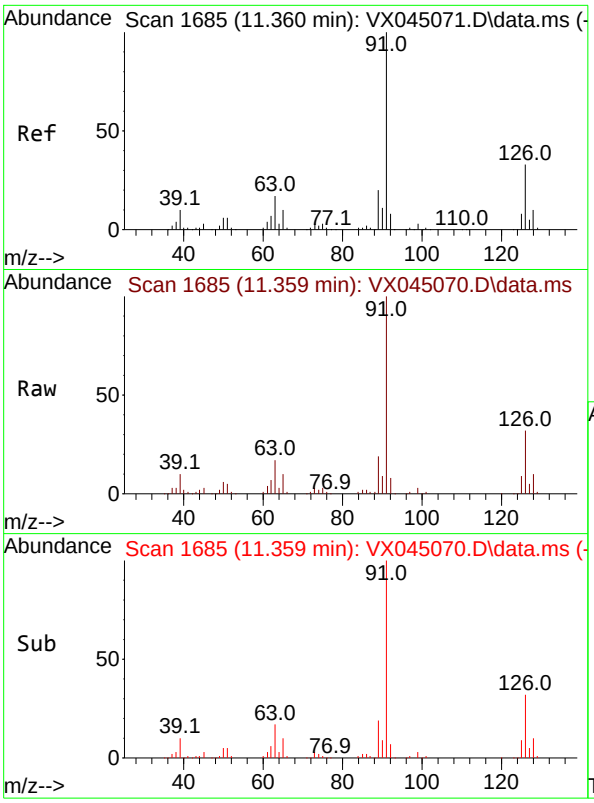


#78
n-propylbenzene
Concen: 19.641 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 91 Resp: 128284

Ion	Ratio	Lower	Upper
91	100		
120	22.3	11.2	33.6



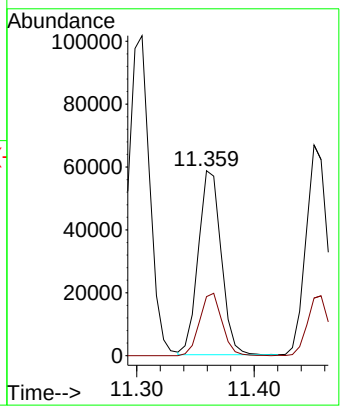


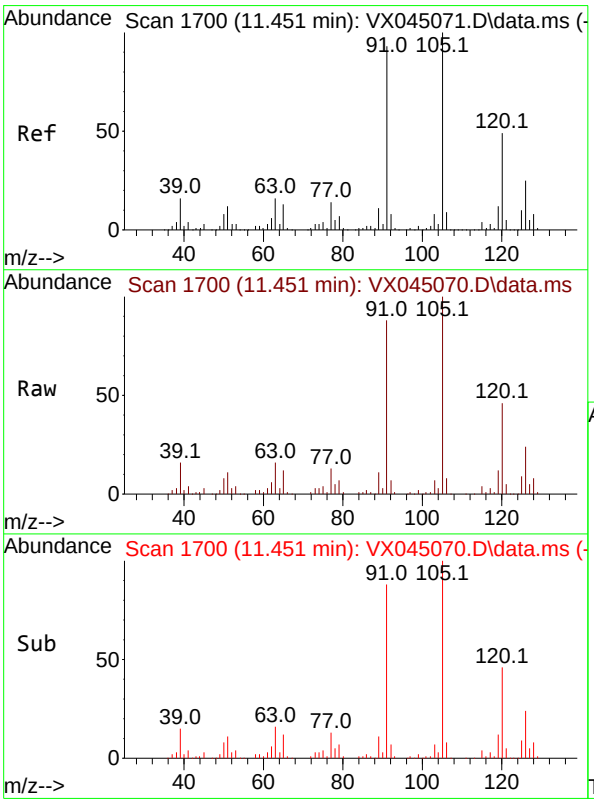
#79
2-Chlorotoluene
Concen: 19.775 ug/l
RT: 11.359 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 91 Resp: 79275

Ion	Ratio	Lower	Upper
91	100		
126	33.1	16.4	49.4

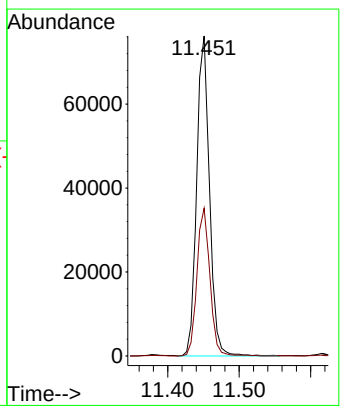


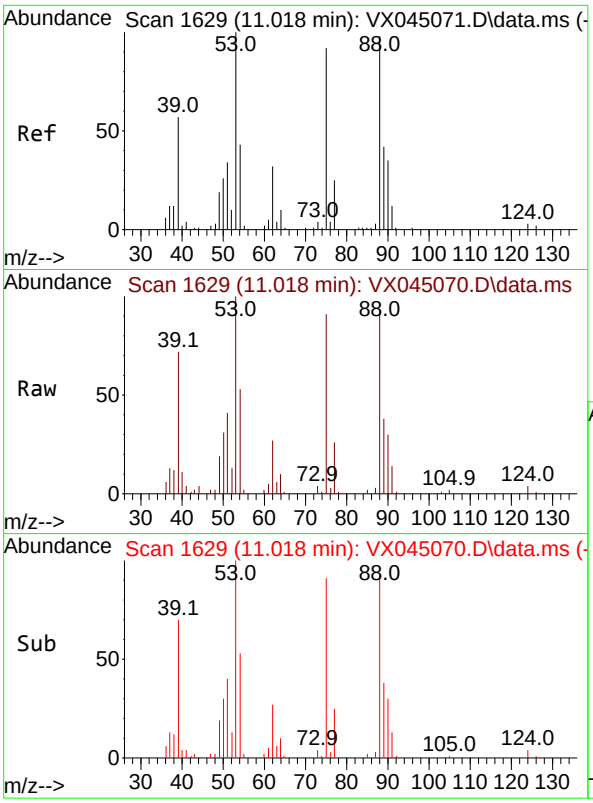


#80
1,3,5-Trimethylbenzene
Concen: 20.581 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:105 Resp: 94545

Ion	Ratio	Lower	Upper
105	100		
120	46.8	24.1	72.2



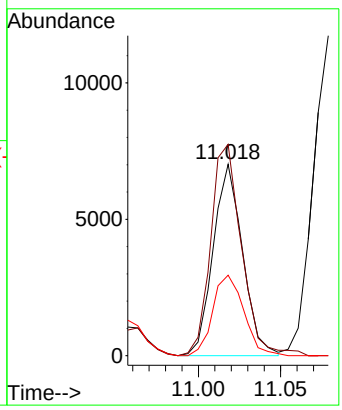


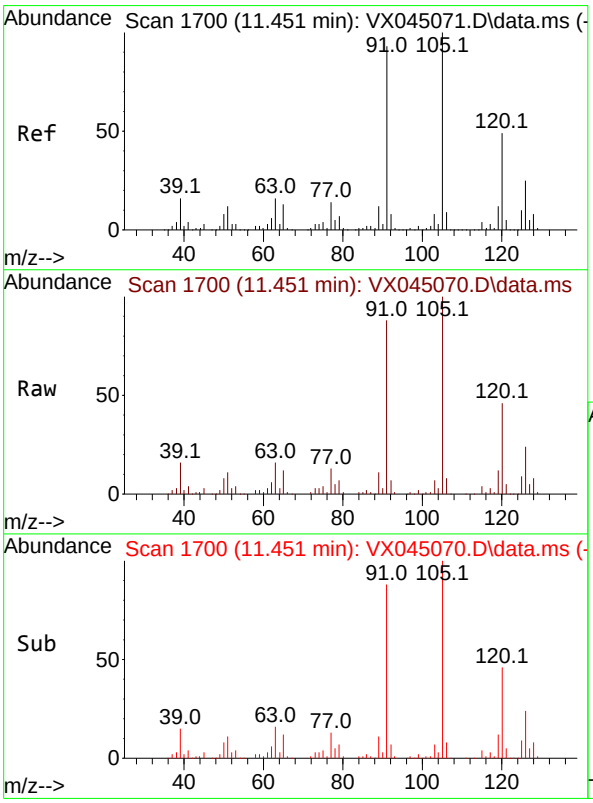
#81
trans-1,4-Dichloro-2-butene
Concen: 15.196 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

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

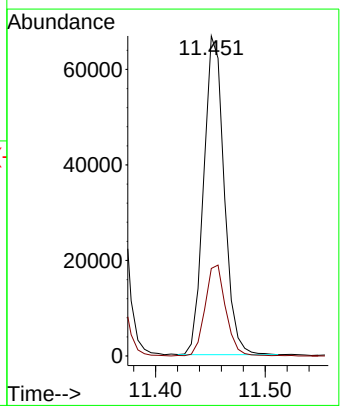


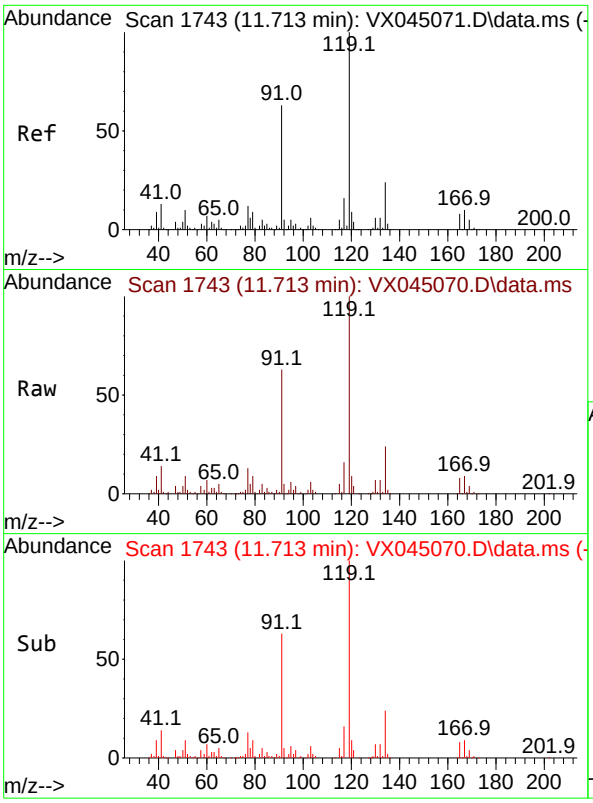


#82
4-Chlorotoluene
Concen: 19.443 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 91 Resp: 86281

Ion	Ratio	Lower	Upper
91	100		
126	29.1	14.1	42.4



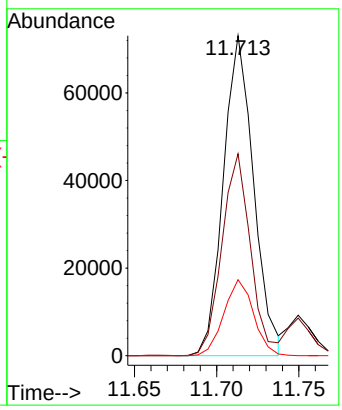


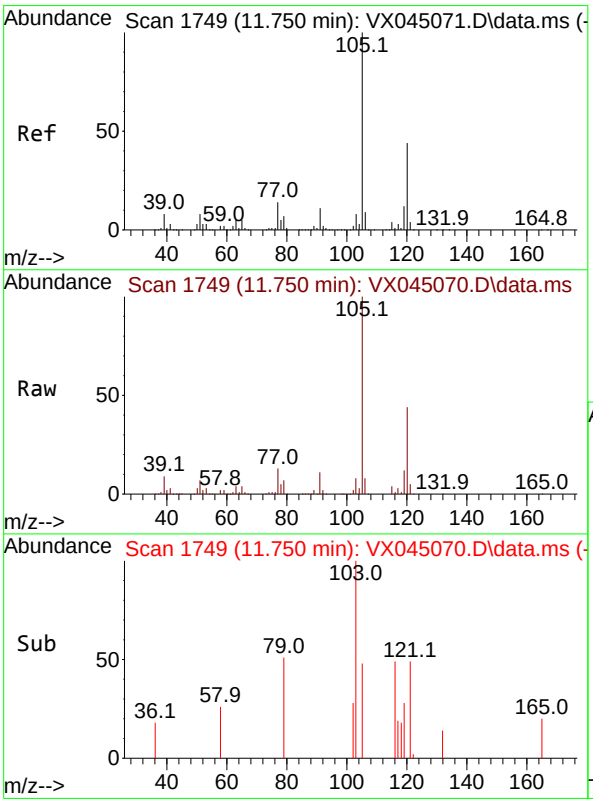
#83
tert-Butylbenzene
Concen: 20.159 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

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

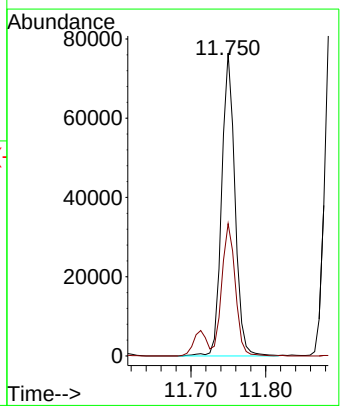


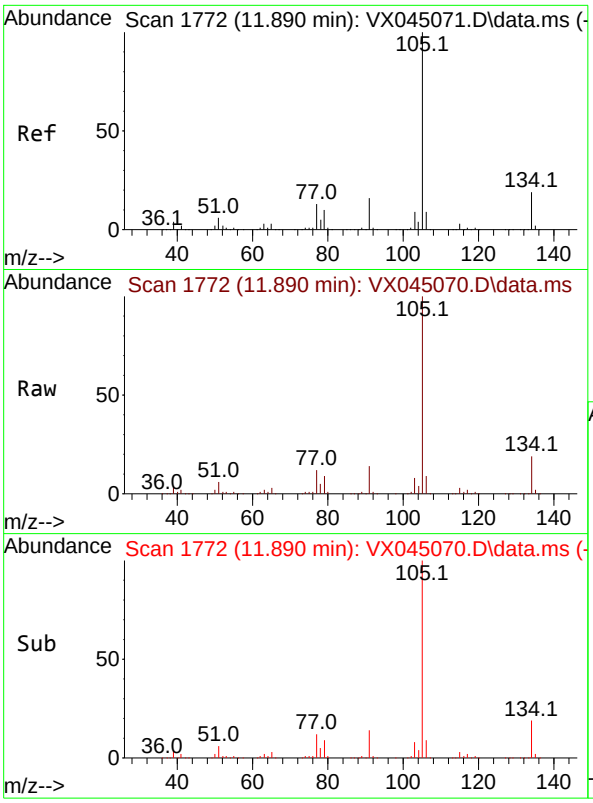


#84
1,2,4-Trimethylbenzene
Concen: 20.943 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:105 Resp: 94734

Ion	Ratio	Lower	Upper
105	100		
120	44.3	22.1	66.1



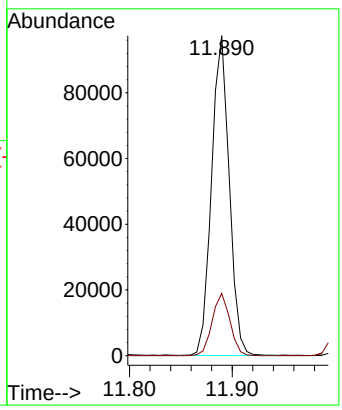


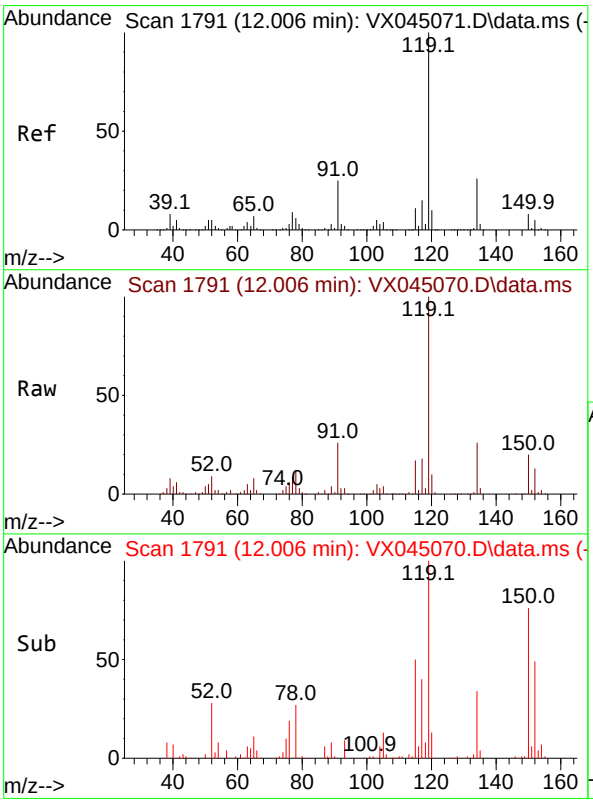
#85
sec-Butylbenzene
Concen: 20.160 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:105 Resp: 115953

Ion	Ratio	Lower	Upper
105	100		
134	19.6	9.8	29.4

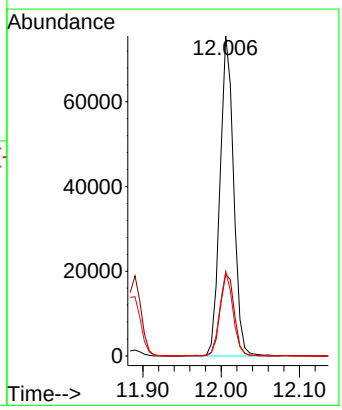


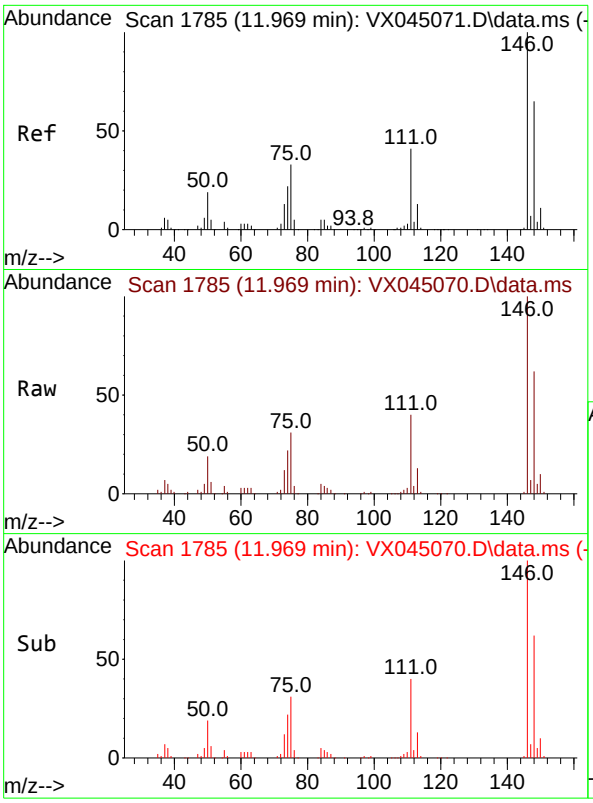


#86
p-Isopropyltoluene
Concen: 19.827 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

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



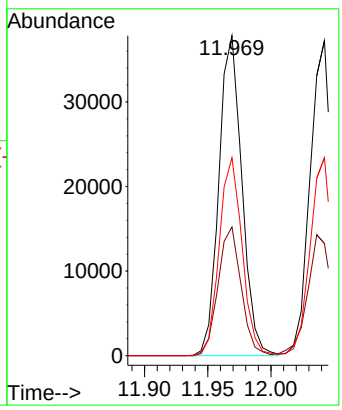


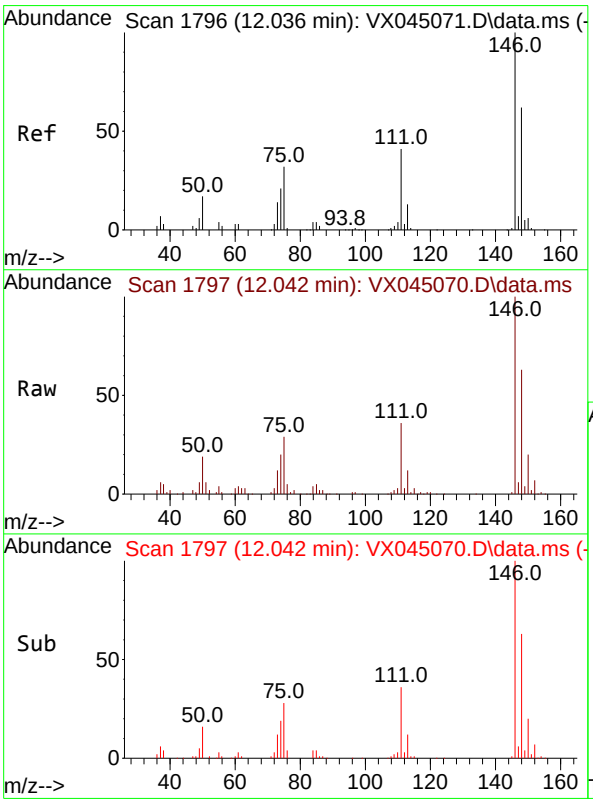
#87
1,3-Dichlorobenzene
Concen: 20.400 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

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

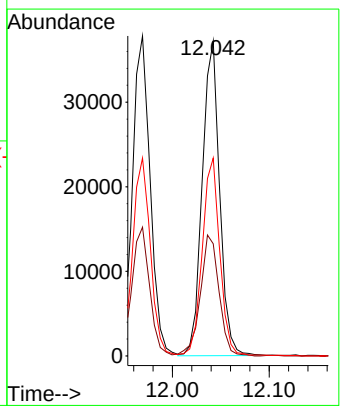


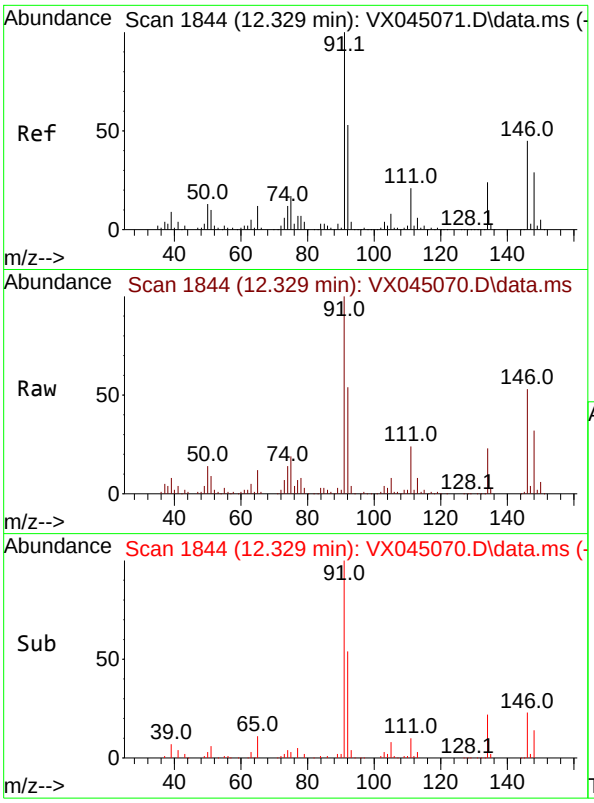


#88
1,4-Dichlorobenzene
Concen: 19.615 ug/l
RT: 12.042 min Scan# 1797
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

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



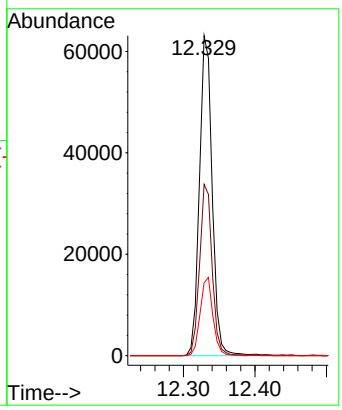


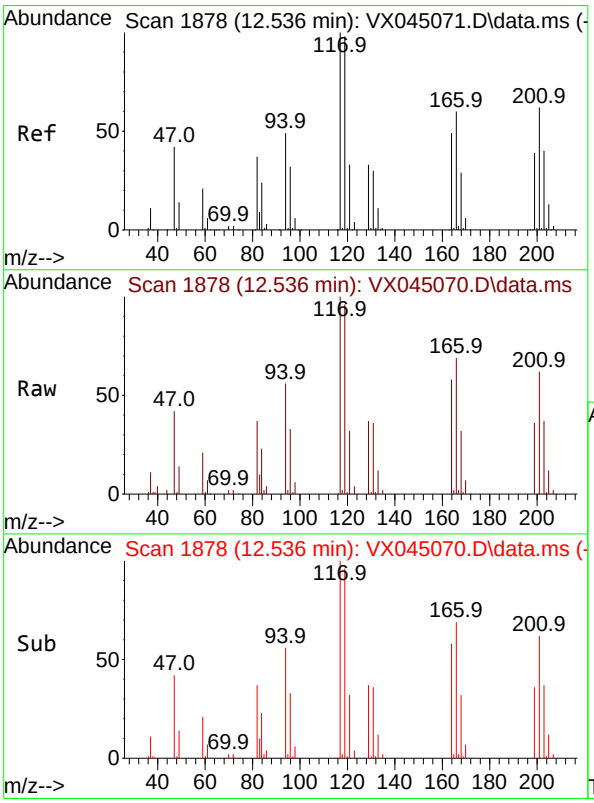
#89
n-Butylbenzene
Concen: 19.249 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

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

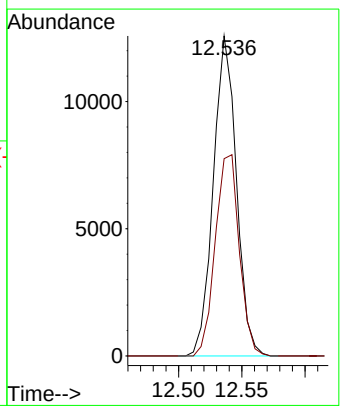


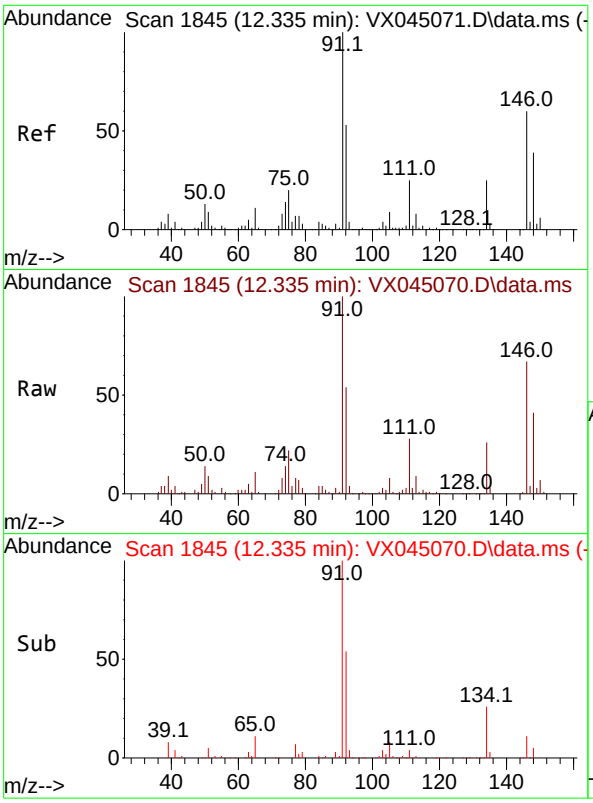


#90
Hexachloroethane
Concen: 18.483 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:117 Resp: 15919

Ion	Ratio	Lower	Upper
117	100		
201	65.6	31.9	95.9



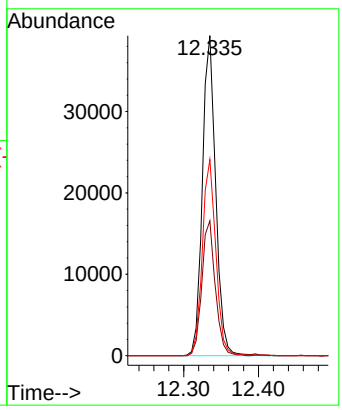


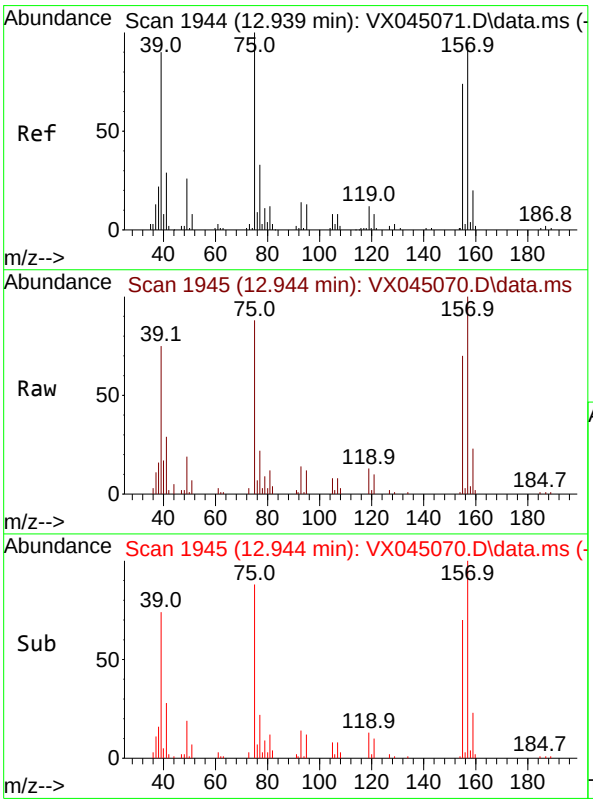
#91
1,2-Dichlorobenzene
Concen: 21.031 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

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

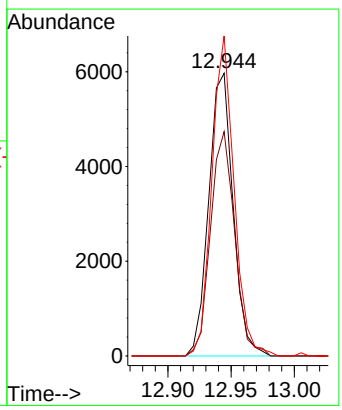


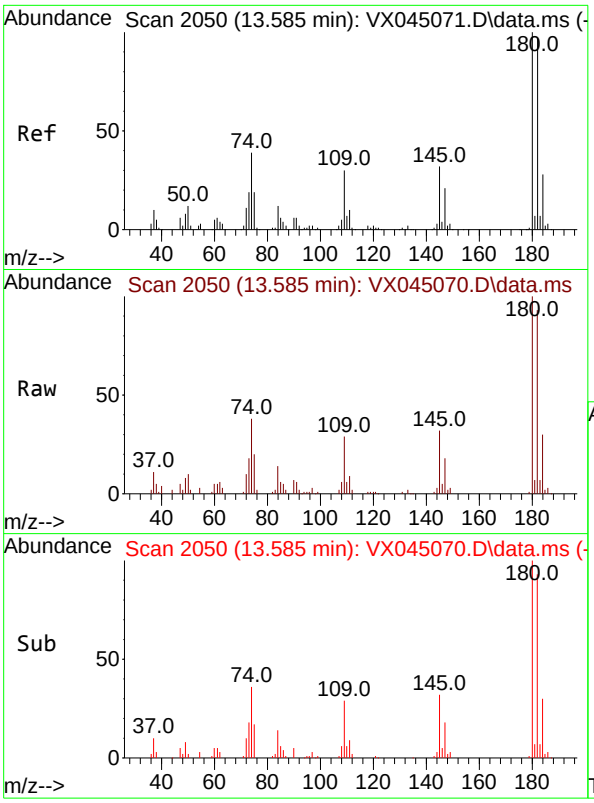


#92
1,2-Dibromo-3-Chloropropane
Concen: 22.119 ug/l
RT: 12.944 min Scan# 1945
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

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



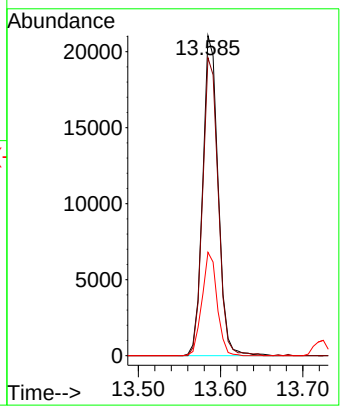


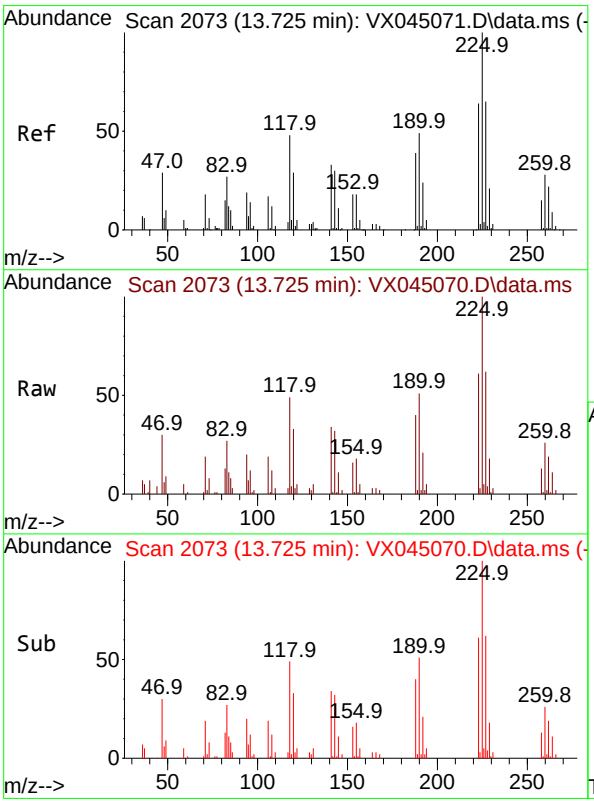
#93
1,2,4-Trichlorobenzene
Concen: 19.617 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

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

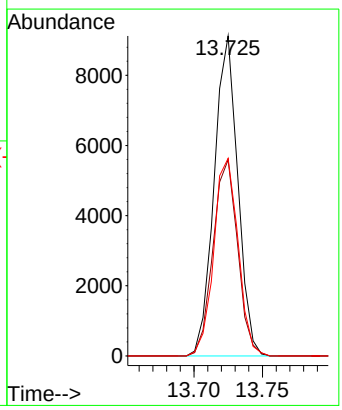


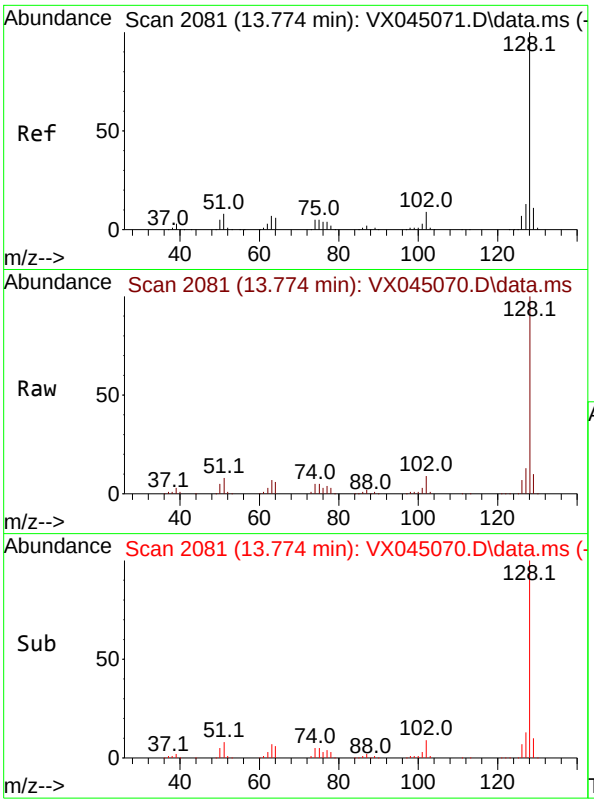


#94
Hexachlorobutadiene
Concen: 19.616 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

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



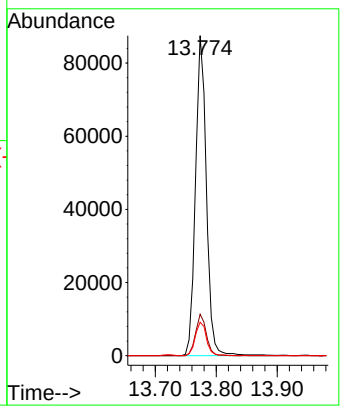


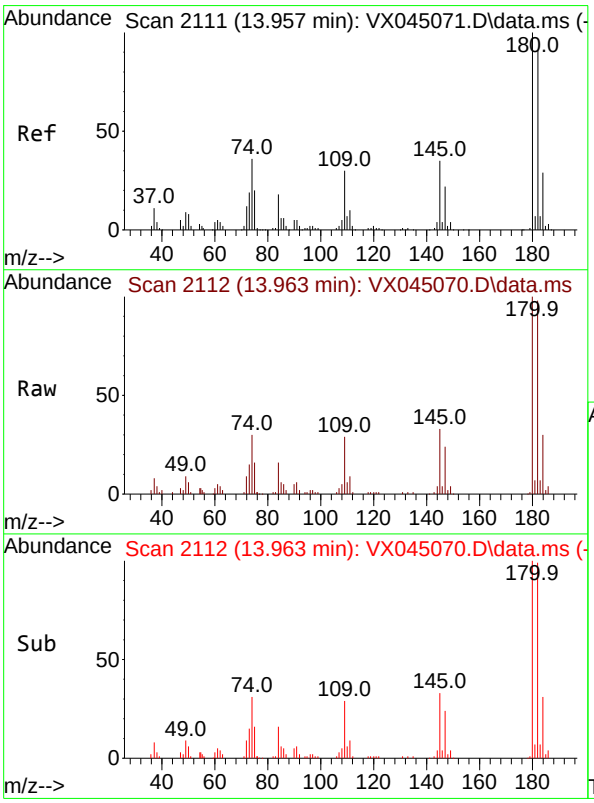
#95
Naphthalene
Concen: 21.279 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

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

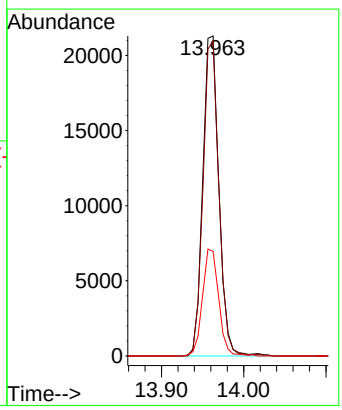




#96
1,2,3-Trichlorobenzene
Concen: 20.432 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

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

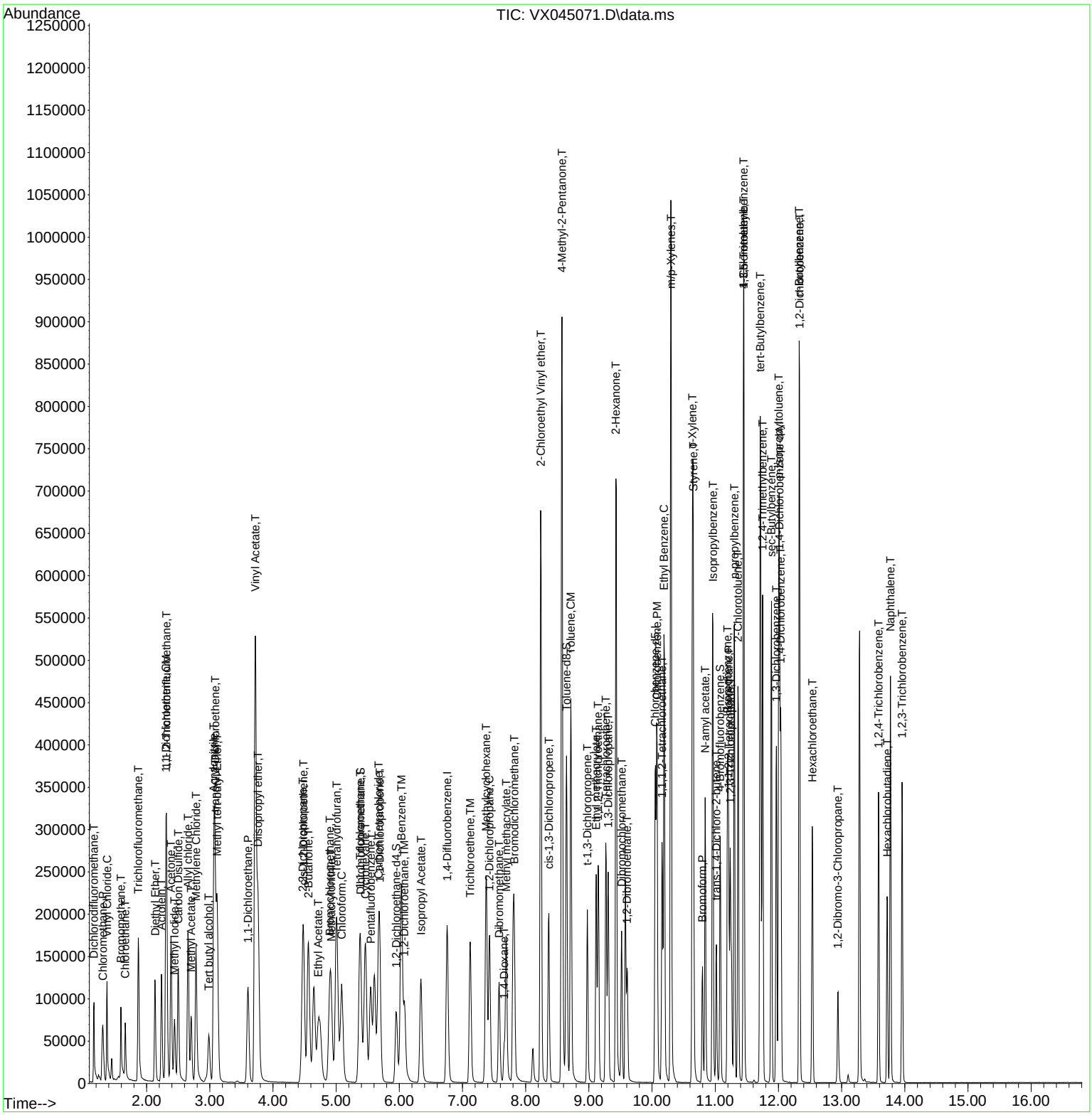
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

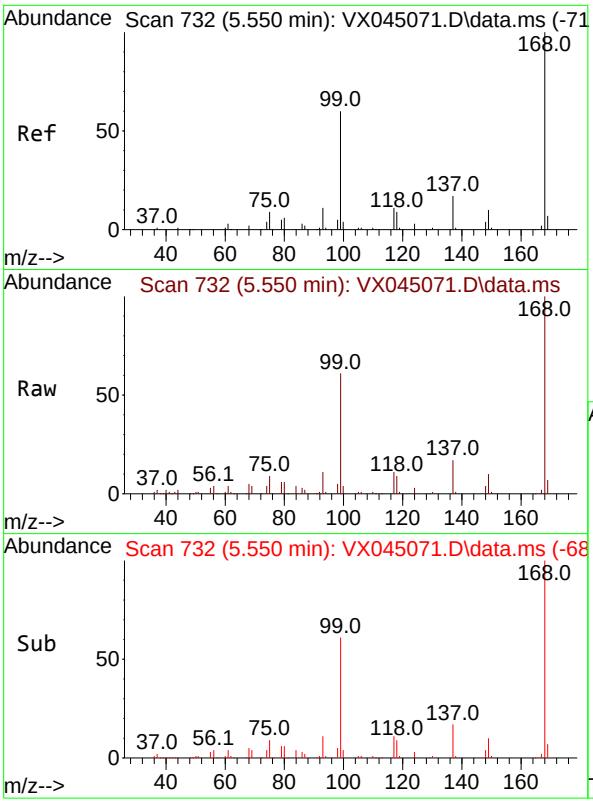
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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



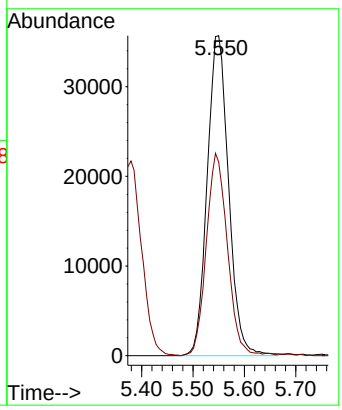


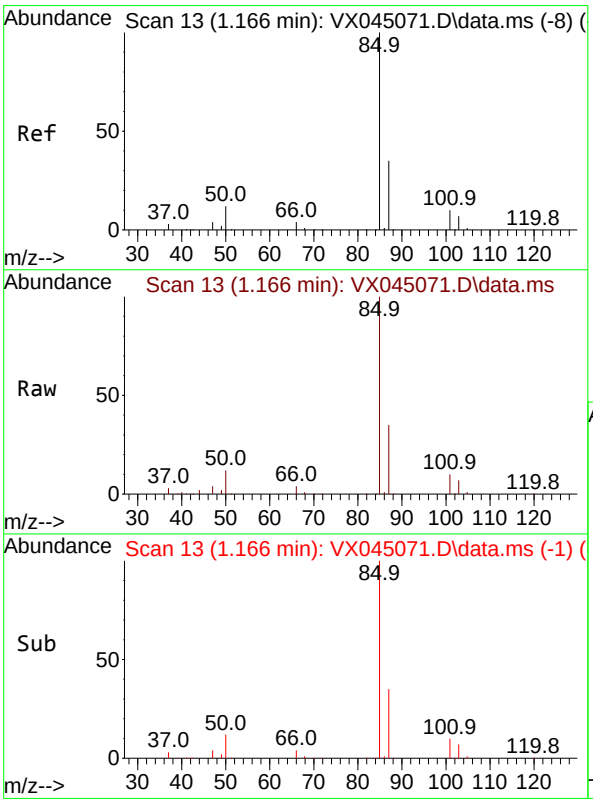
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:168 Resp: 103235

Ion	Ratio	Lower	Upper
168	100		
99	60.3	48.2	72.4

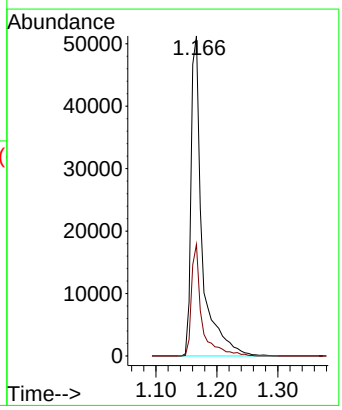


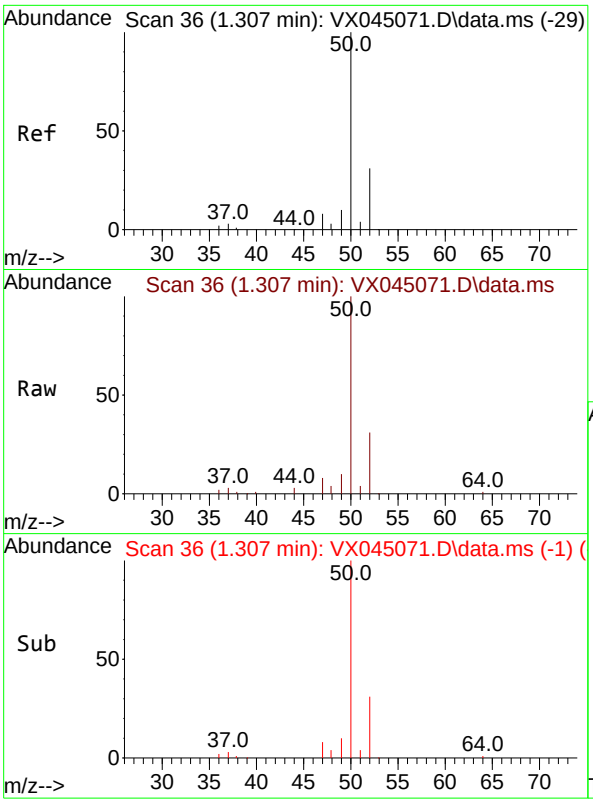


#2
Dichlorodifluoromethane
Concen: 45.502 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 85 Resp: 64743

Ion	Ratio	Lower	Upper
85	100		
87	34.9	17.4	52.3



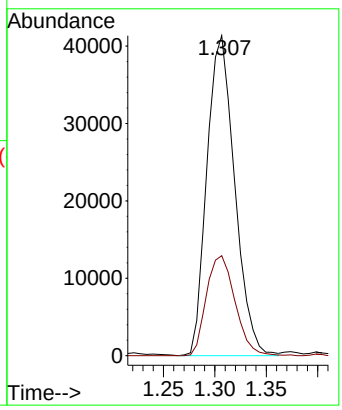


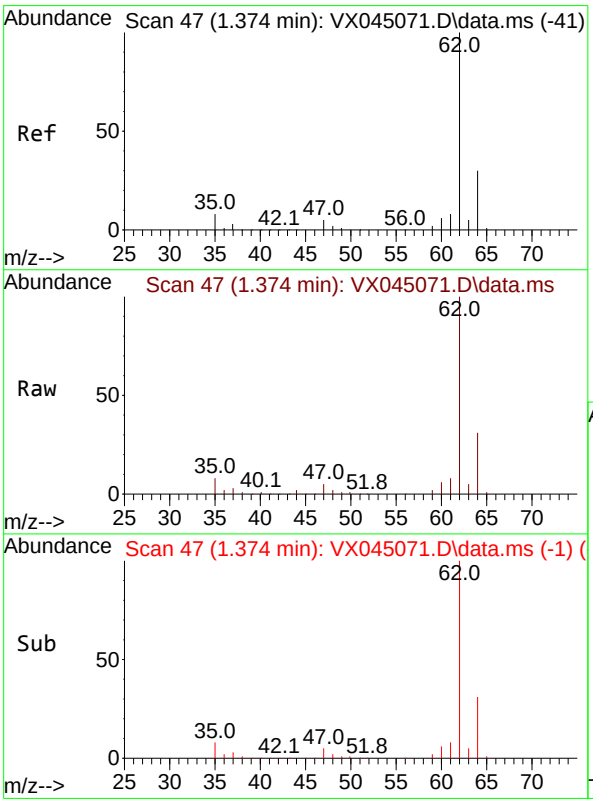
#3
Chloromethane
Concen: 44.894 ug/l
RT: 1.307 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 50 Resp: 77729

Ion	Ratio	Lower	Upper
50	100		
52	31.2	25.0	37.4

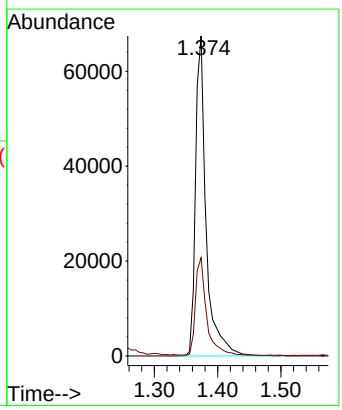


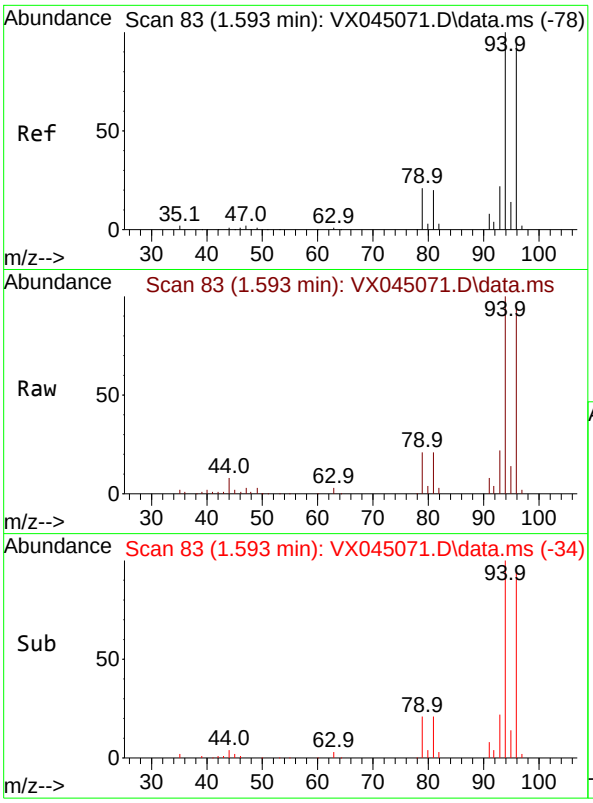


#4
Vinyl Chloride
Concen: 46.434 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 62 Resp: 78524

Ion	Ratio	Lower	Upper
62	100		
64	30.4	24.3	36.5



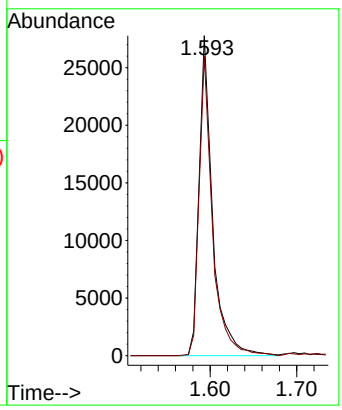


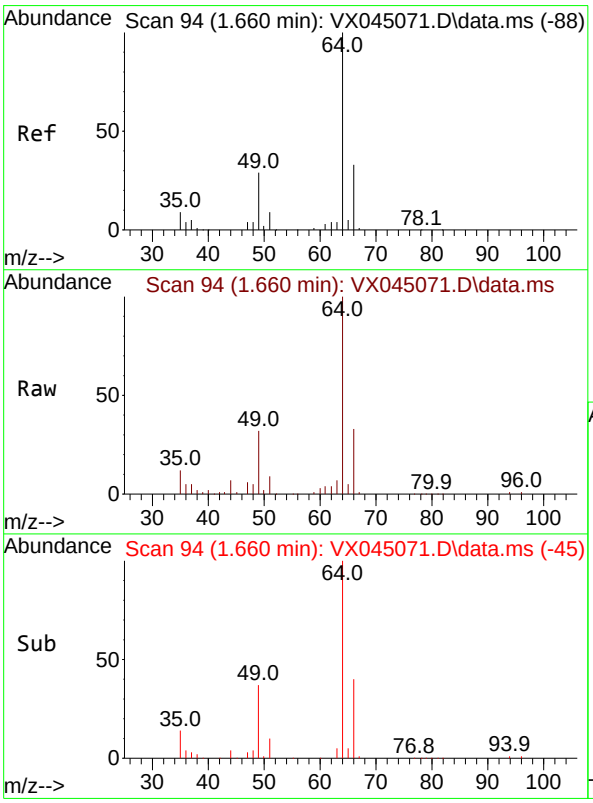
#5
Bromomethane
Concen: 57.066 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 94 Resp: 30169

Ion	Ratio	Lower	Upper
94	100		
96	93.7	75.0	112.4

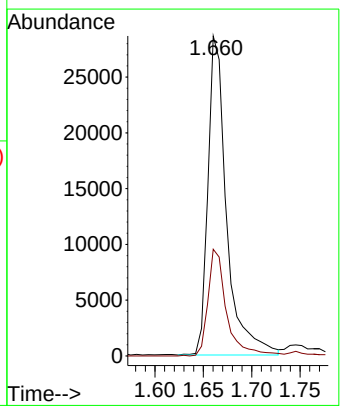


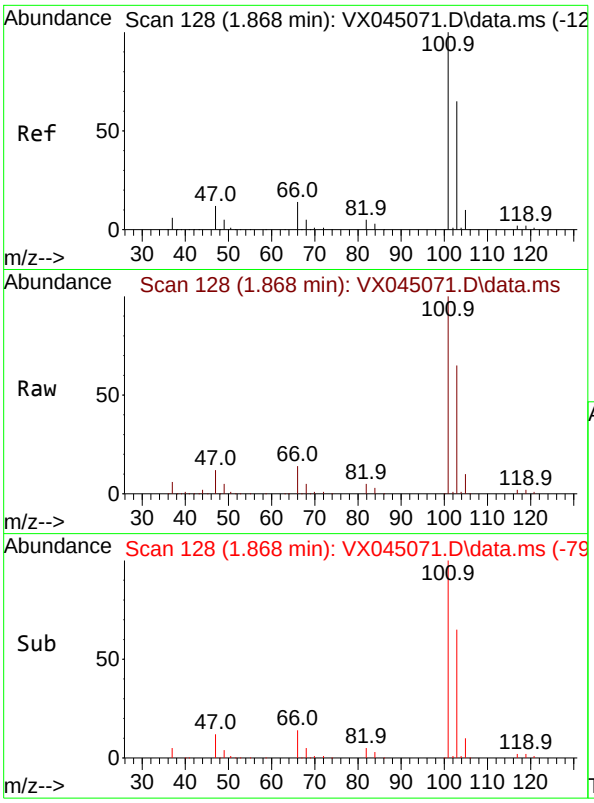


#6
Chloroethane
Concen: 59.750 ug/l
RT: 1.660 min Scan# 94
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 64 Resp: 38461

Ion	Ratio	Lower	Upper
64	100		
66	33.4	26.7	40.1



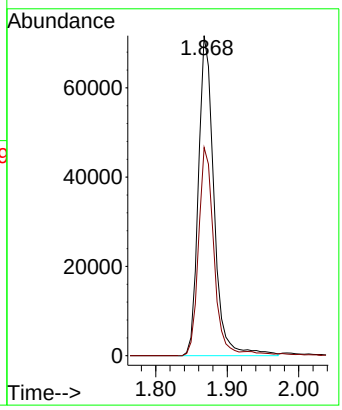


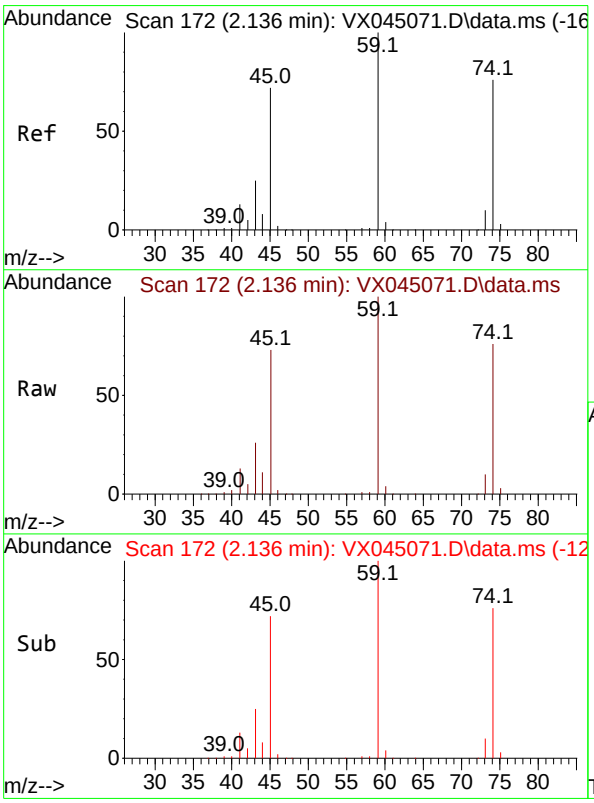
#7
Trichlorofluoromethane
Concen: 50.047 ug/l
RT: 1.868 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:101 Resp: 108411

Ion	Ratio	Lower	Upper
101	100		
103	65.1	52.1	78.1

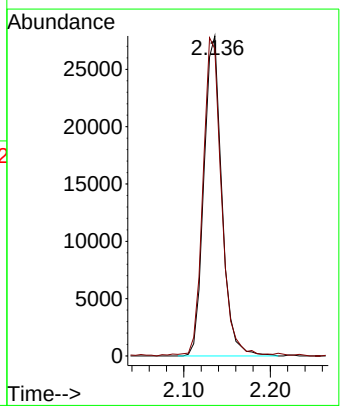


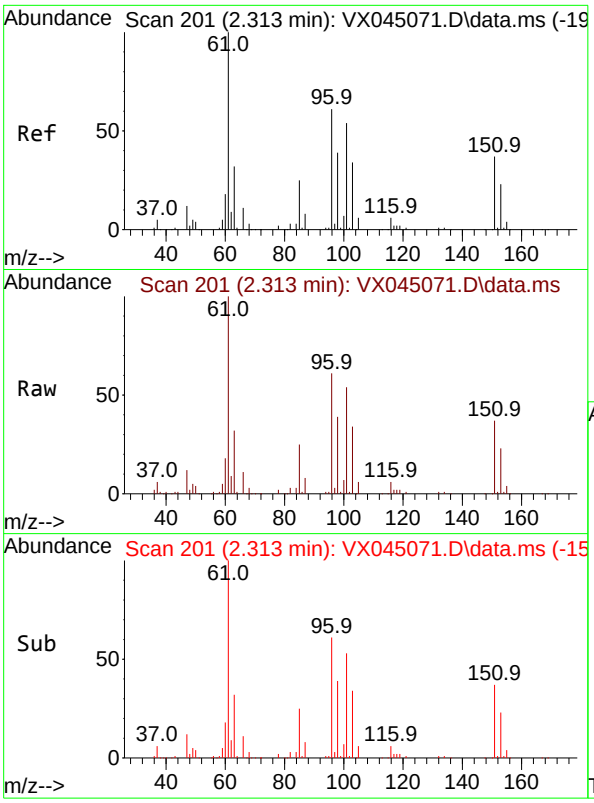


#8
Diethyl Ether
Concen: 50.814 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 74 Resp: 40001

Ion	Ratio	Lower	Upper
74	100		
45	103.0	51.5	154.5



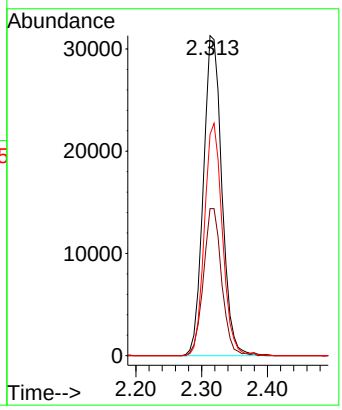


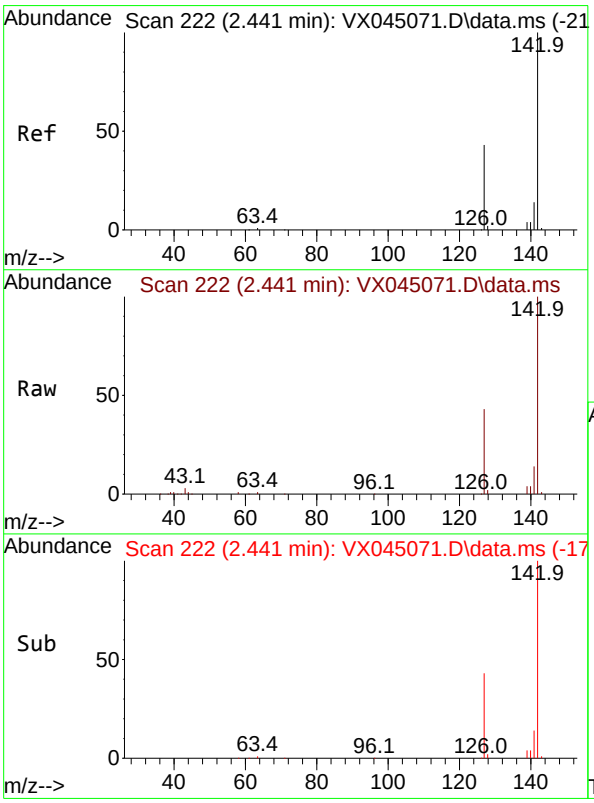
#9
1,1,2-Trichlorotrifluoroethane
Concen: 47.399 ug/l
RT: 2.313 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

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

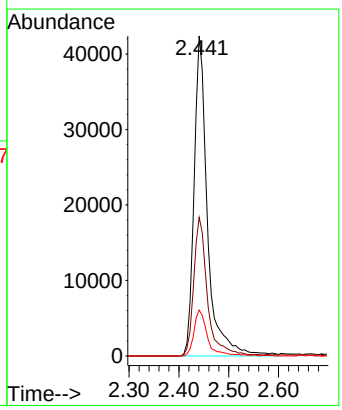


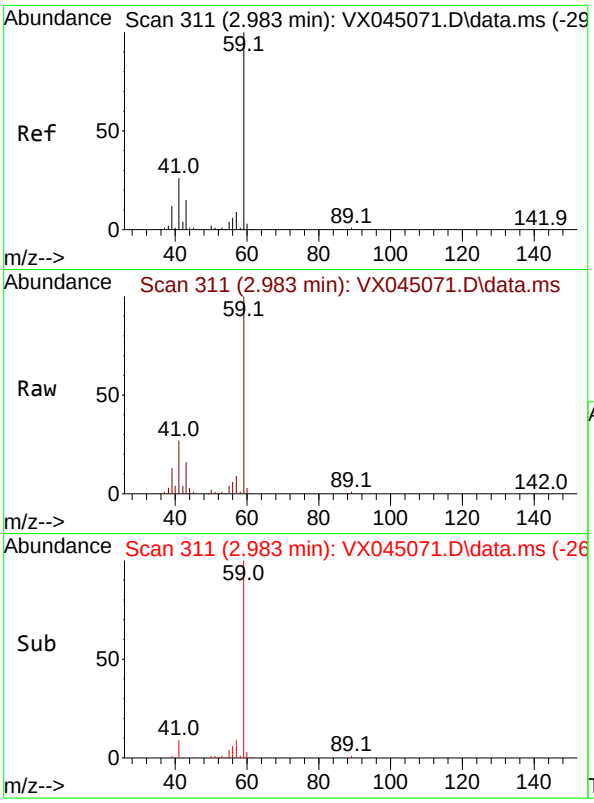


#10
Methyl Iodide
Concen: 47.854 ug/l
RT: 2.441 min Scan# 222
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

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



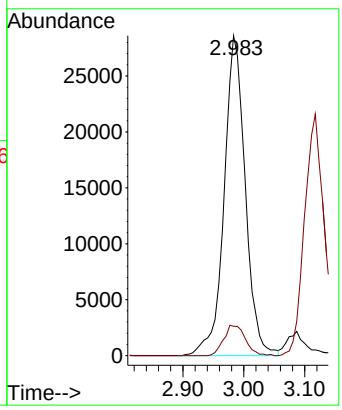


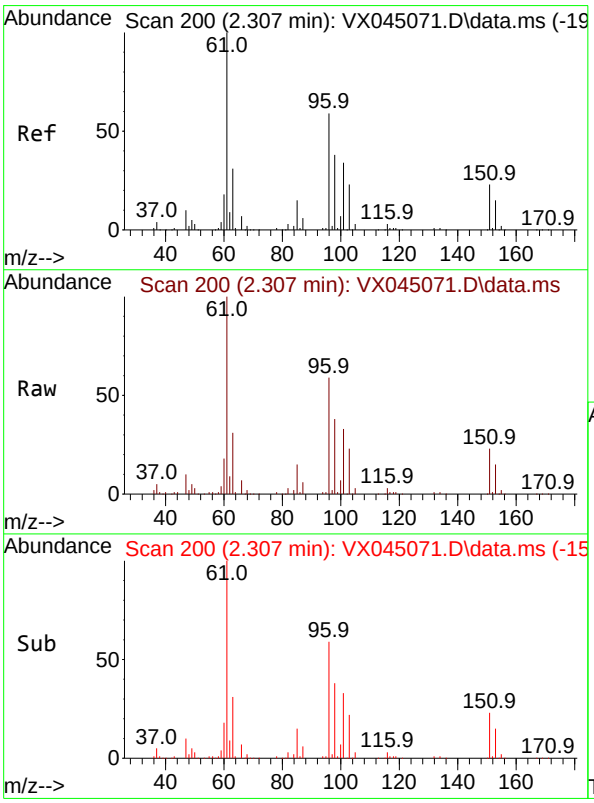
#11
Tert butyl alcohol
Concen: 247.496 ug/l
RT: 2.983 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 59 Resp: 69139

Ion	Ratio	Lower	Upper
59	100		
57	9.8	7.8	11.8

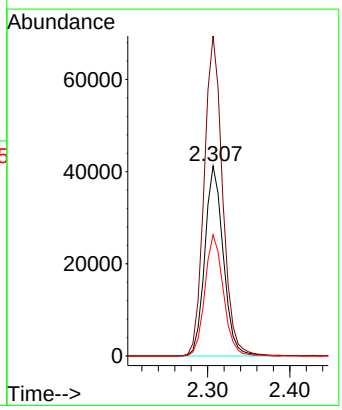


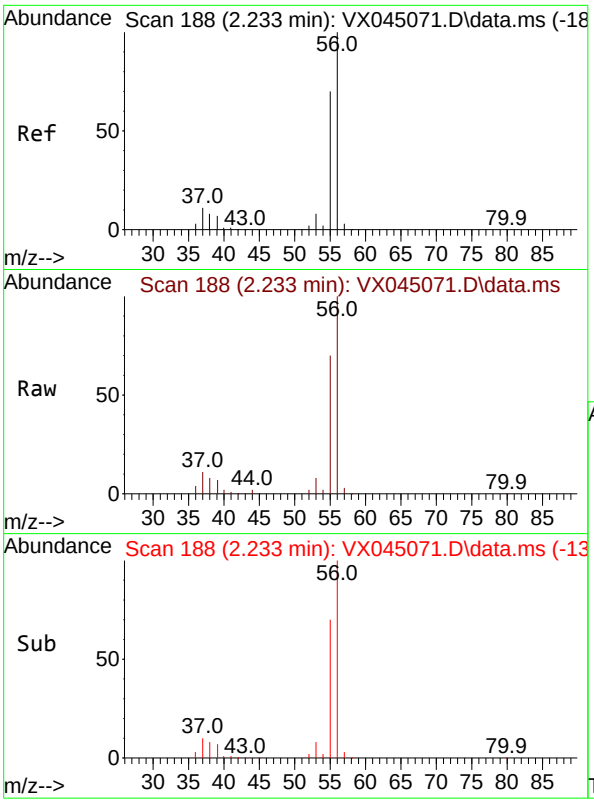


#12
1,1-Dichloroethene
Concen: 48.434 ug/l
RT: 2.307 min Scan# 200
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

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



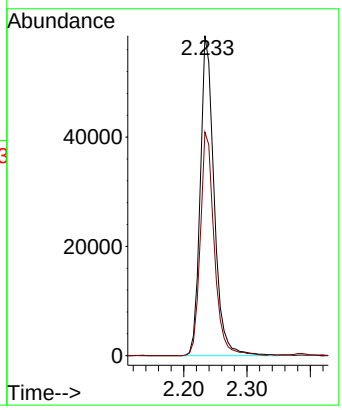


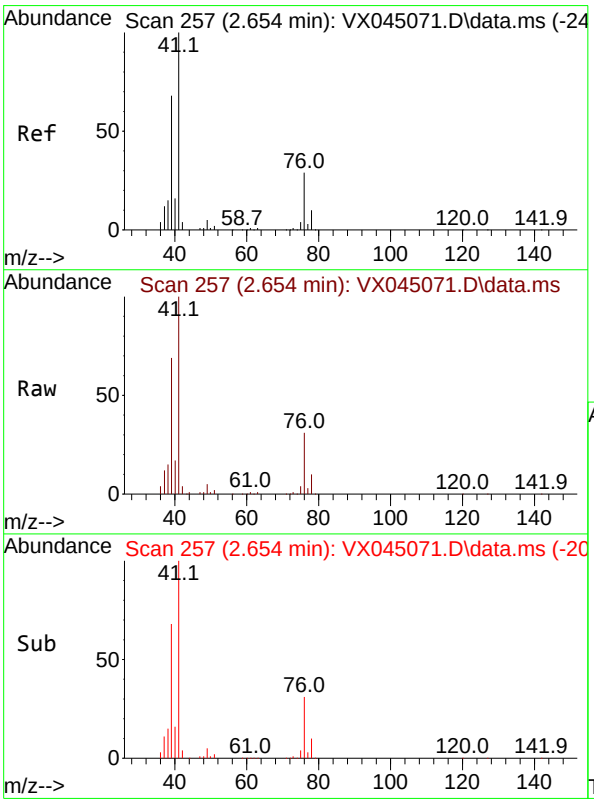
#13
Acrolein
Concen: 296.189 ug/l
RT: 2.233 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 56 Resp: 89603

Ion	Ratio	Lower	Upper
56	100		
55	70.3	56.2	84.4

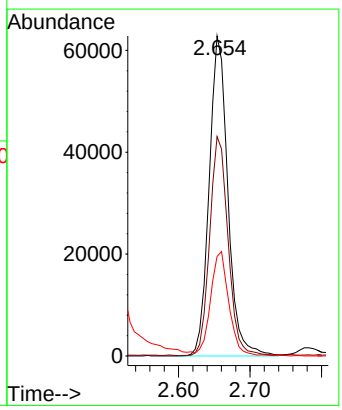


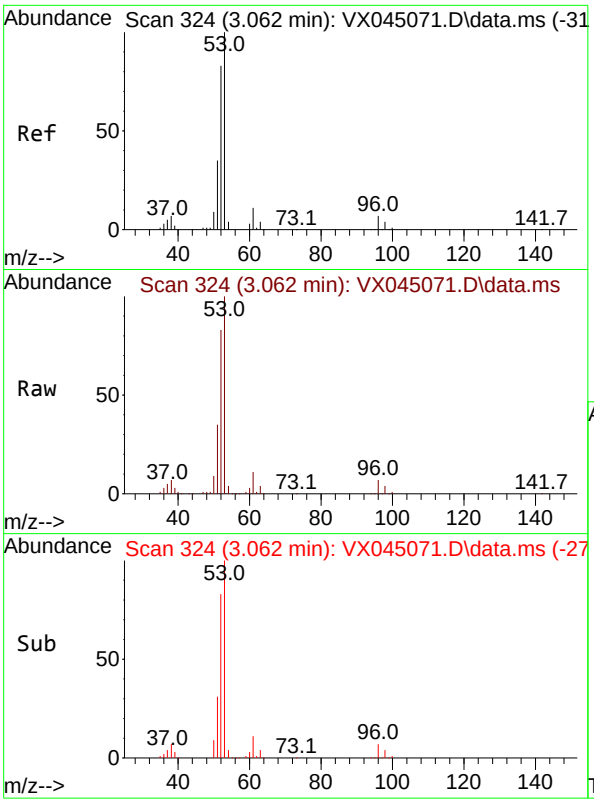


#14
Allyl chloride
Concen: 47.875 ug/l
RT: 2.654 min Scan# 257
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

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



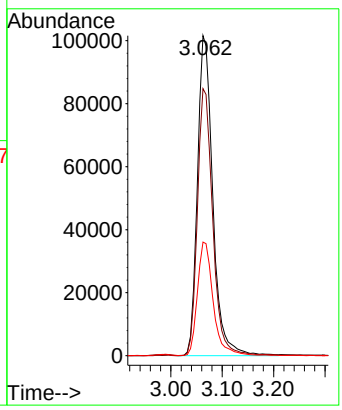


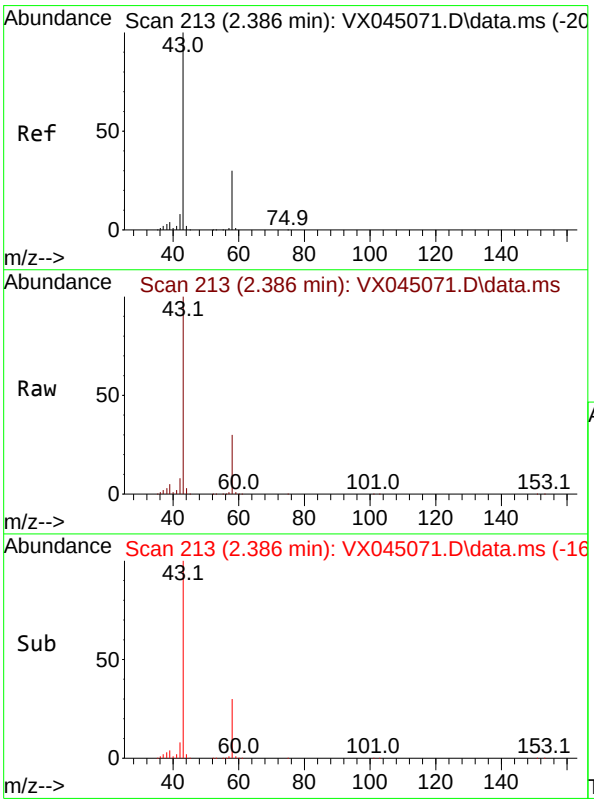
#15
Acrylonitrile
Concen: 278.519 ug/l
RT: 3.062 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

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

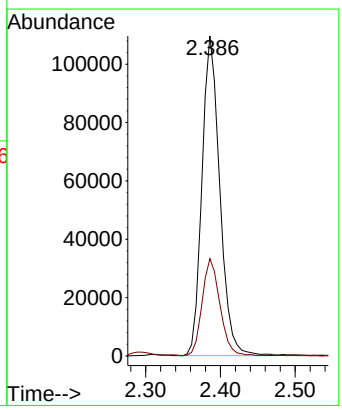


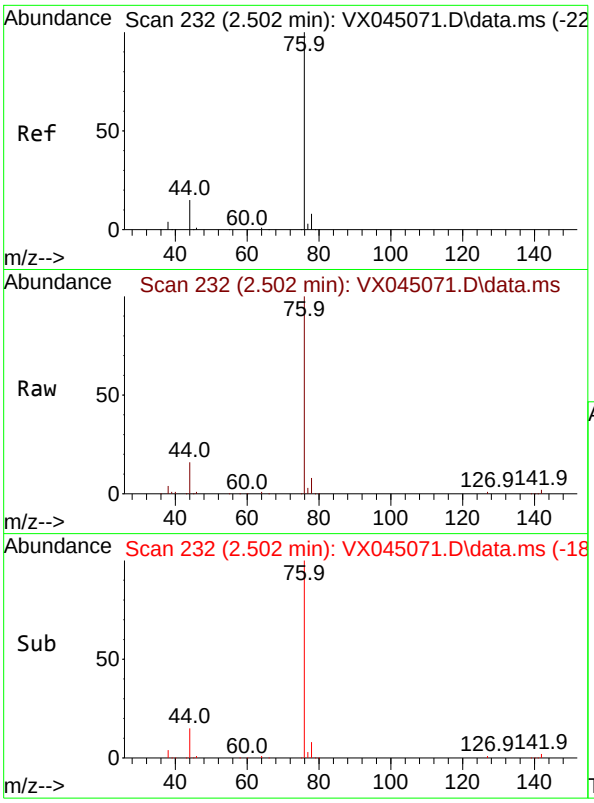


#16
Acetone
Concen: 289.130 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 43 Resp: 181429

Ion	Ratio	Lower	Upper
43	100		
58	30.3	24.2	36.4



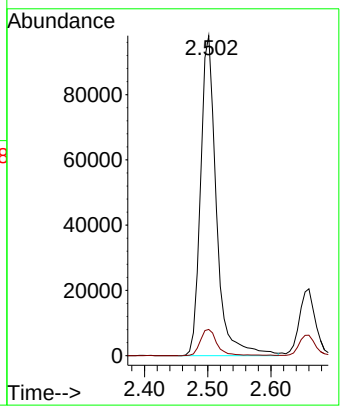


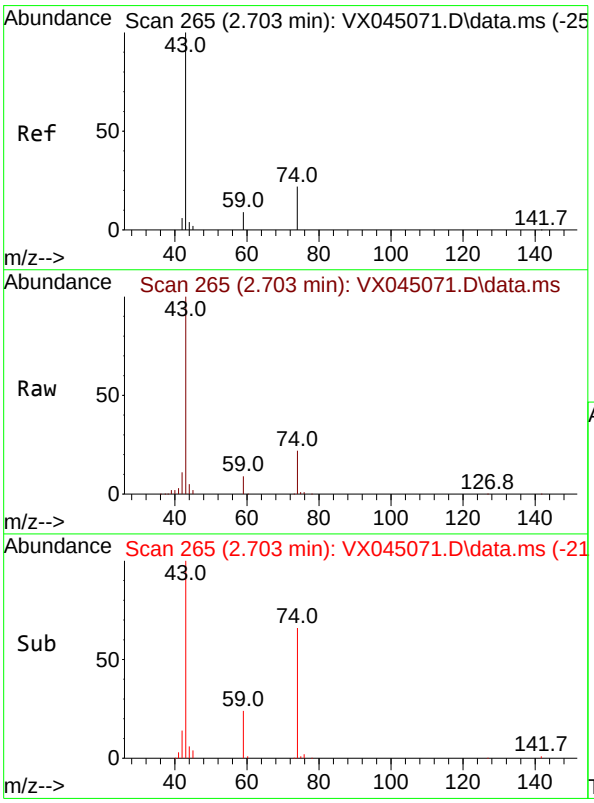
#17
Carbon Disulfide
Concen: 47.419 ug/l
RT: 2.502 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 76 Resp: 171353

Ion	Ratio	Lower	Upper
76	100		
78	8.2	6.6	9.8

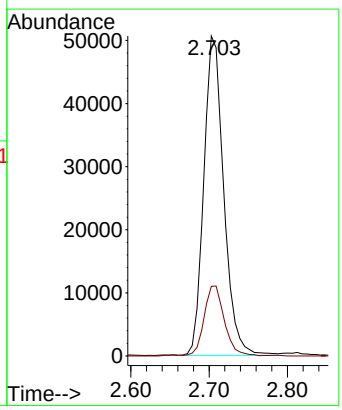


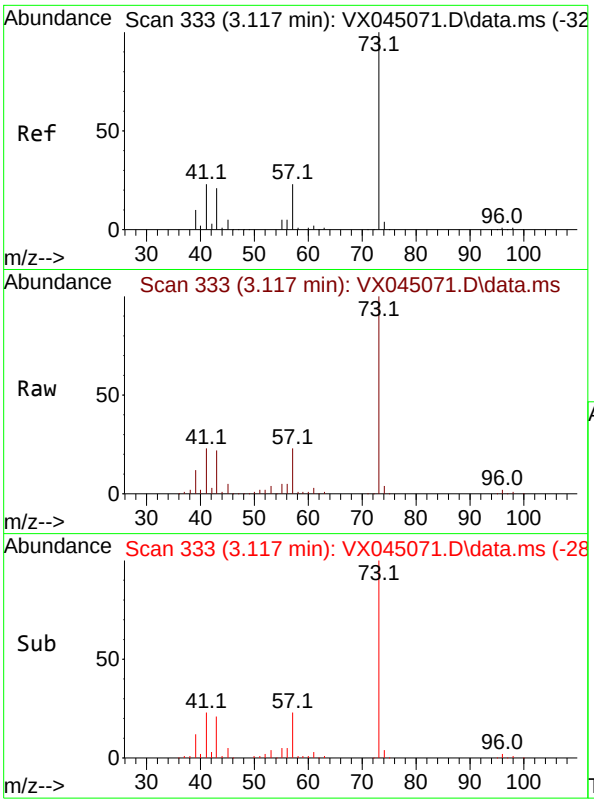


#18
Methyl Acetate
Concen: 47.359 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 43 Resp: 89508

Ion	Ratio	Lower	Upper
43	100		
74	21.8	17.4	26.2



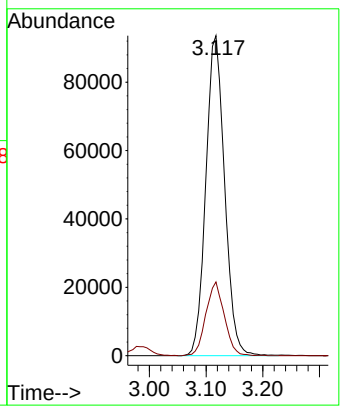


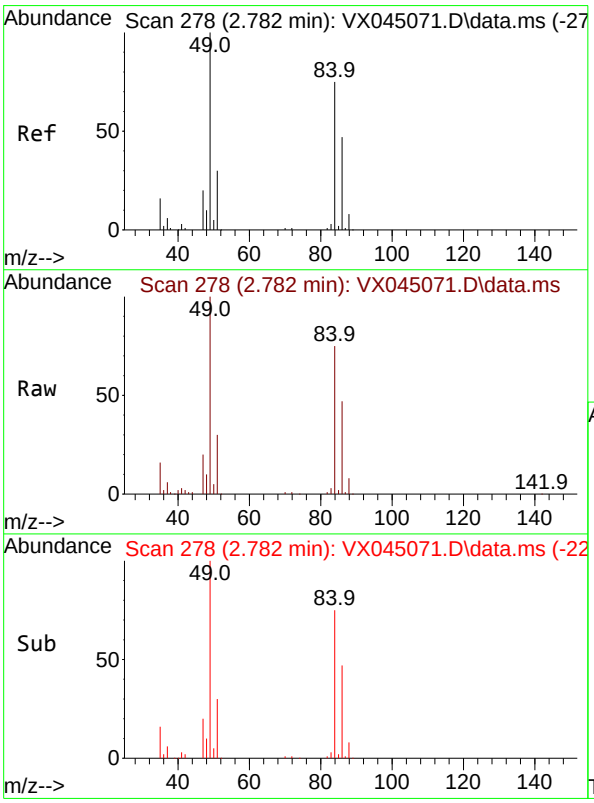
#19
Methyl tert-butyl Ether
Concen: 50.642 ug/l
RT: 3.117 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 73 Resp: 215043

Ion	Ratio	Lower	Upper
73	100		
57	23.1	18.5	27.7

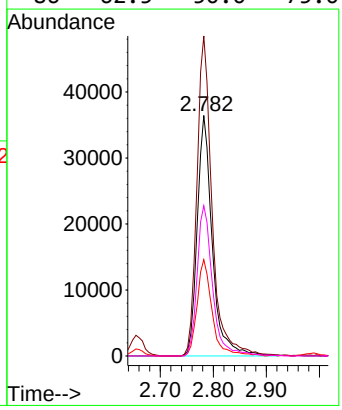


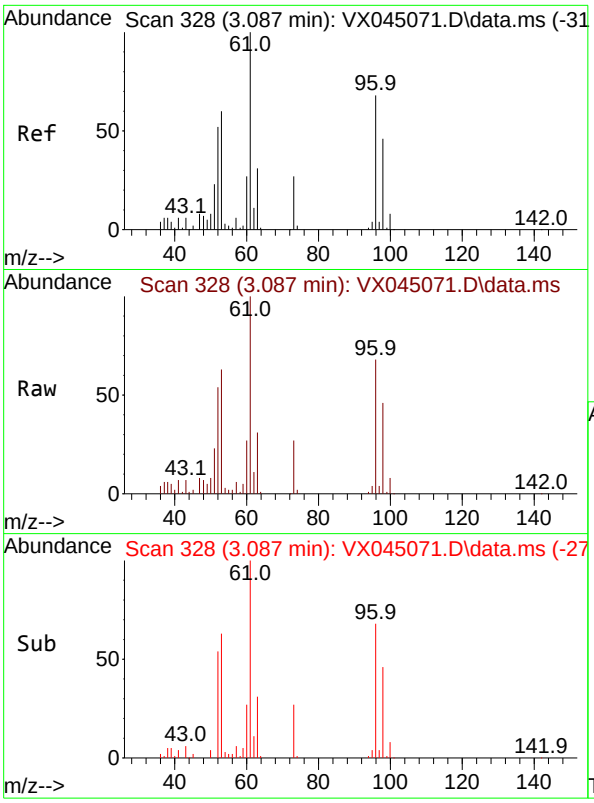


#20
Methylene Chloride
Concen: 48.500 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

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



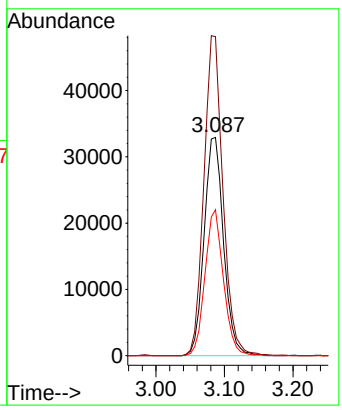


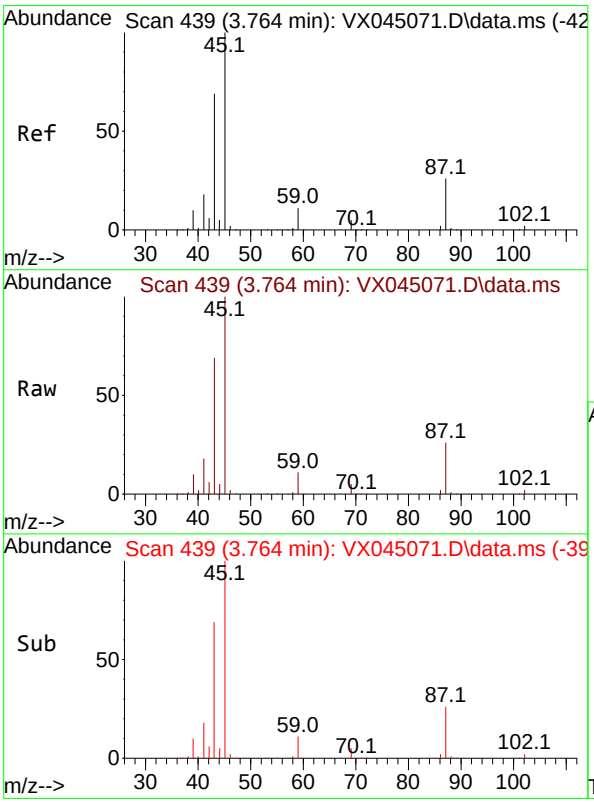
#21
trans-1,2-Dichloroethene
Concen: 49.832 ug/l
RT: 3.087 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

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

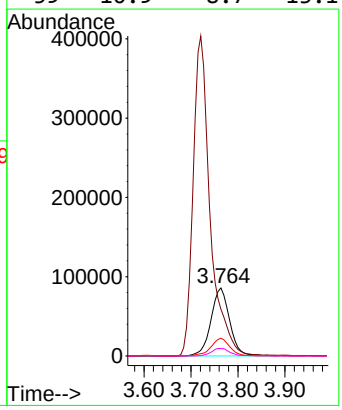


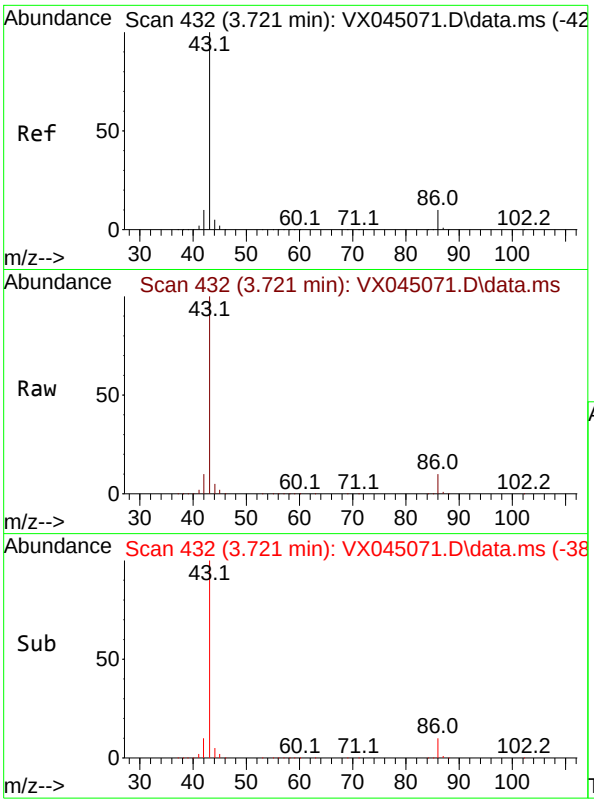


#22
Diisopropyl ether
Concen: 51.816 ug/l
RT: 3.764 min Scan# 439
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

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



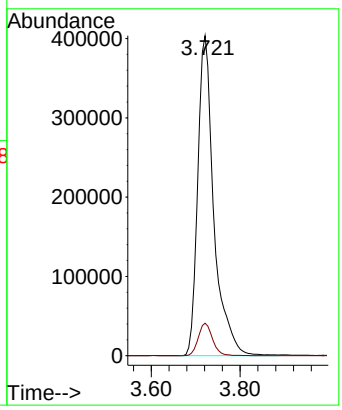


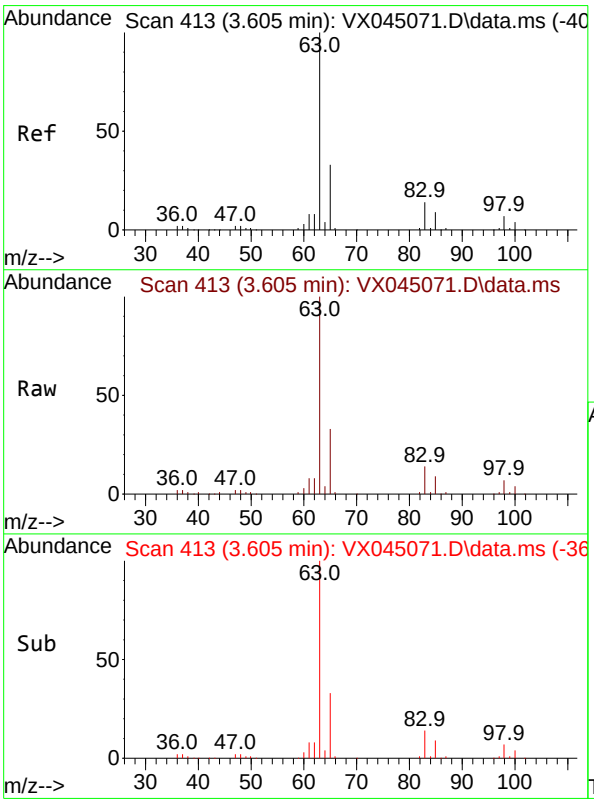
#23
Vinyl Acetate
Concen: 271.773 ug/l
RT: 3.721 min Scan# 4
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 1018631

Ion	Ratio	Lower	Upper
43	100		
86	10.1	8.1	12.1

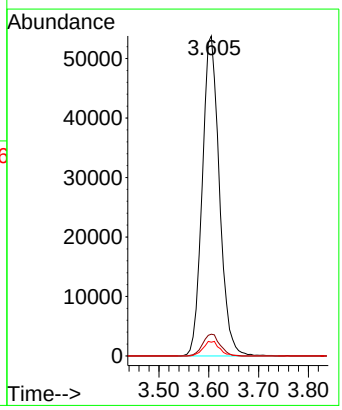


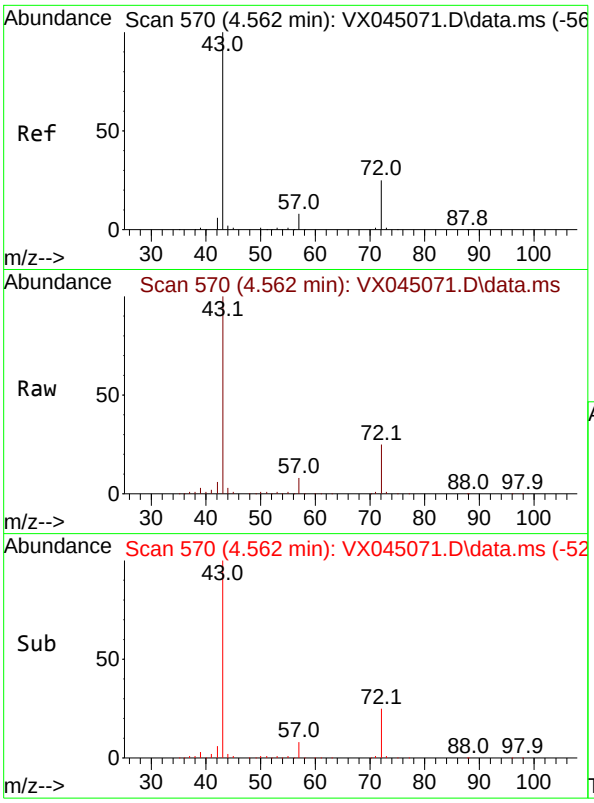


#24
1,1-Dichloroethane
Concen: 50.270 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

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



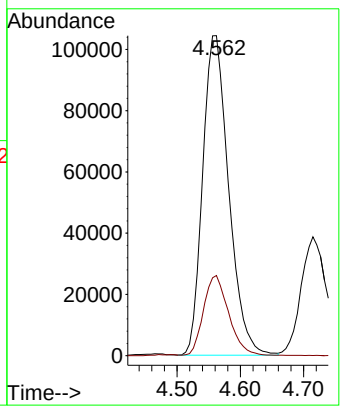


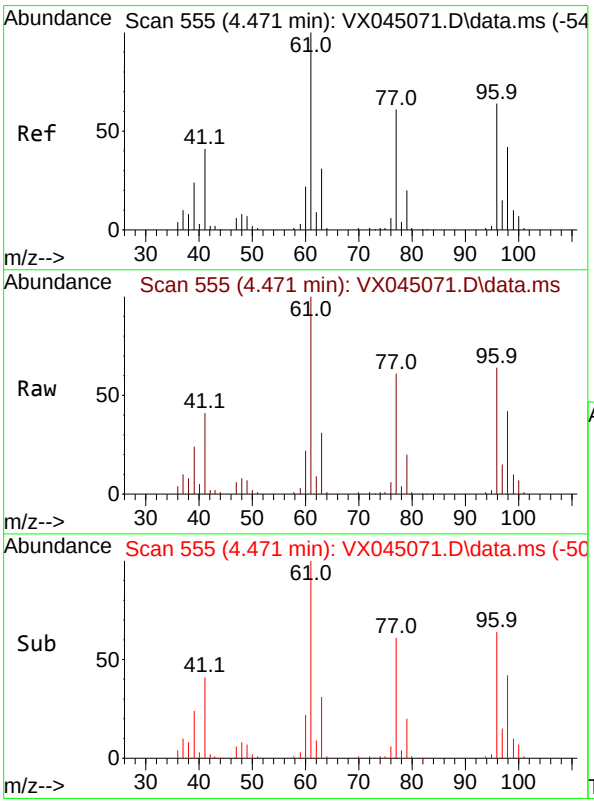
#25
2-Butanone
Concen: 295.330 ug/l
RT: 4.562 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 298785

Ion	Ratio	Lower	Upper
43	100		
72	25.0	20.0	30.0

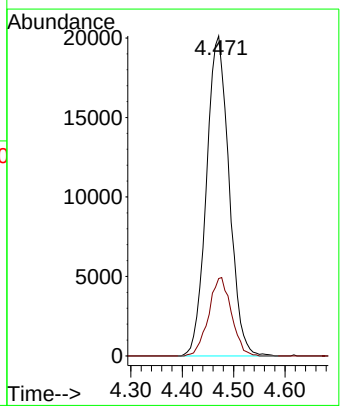


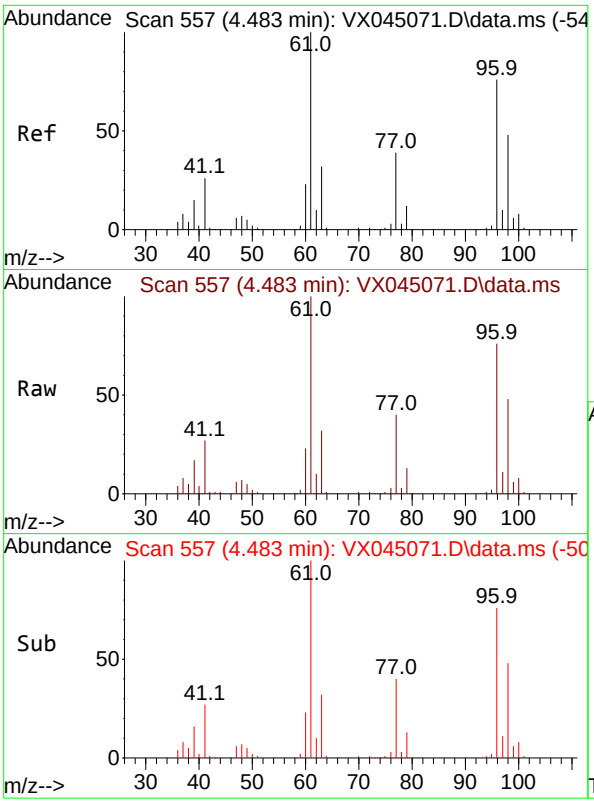


#26
2,2-Dichloropropane
Concen: 32.498 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 77 Resp: 61631

Ion	Ratio	Lower	Upper
77	100		
97	24.7	12.4	37.0



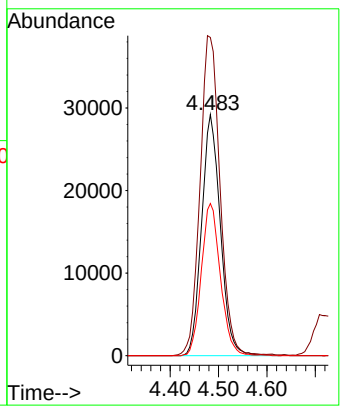


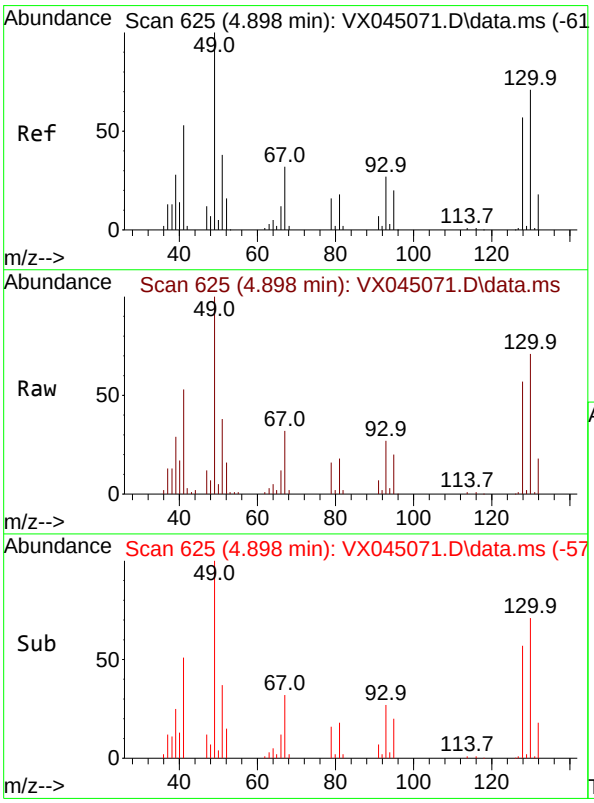
#27
cis-1,2-Dichloroethene
Concen: 49.955 ug/l
RT: 4.483 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

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

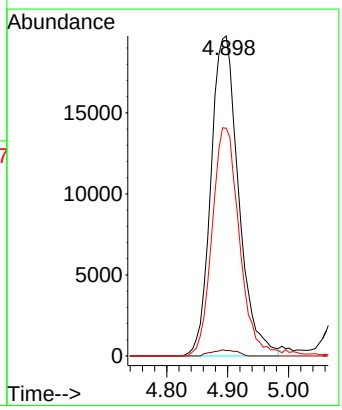


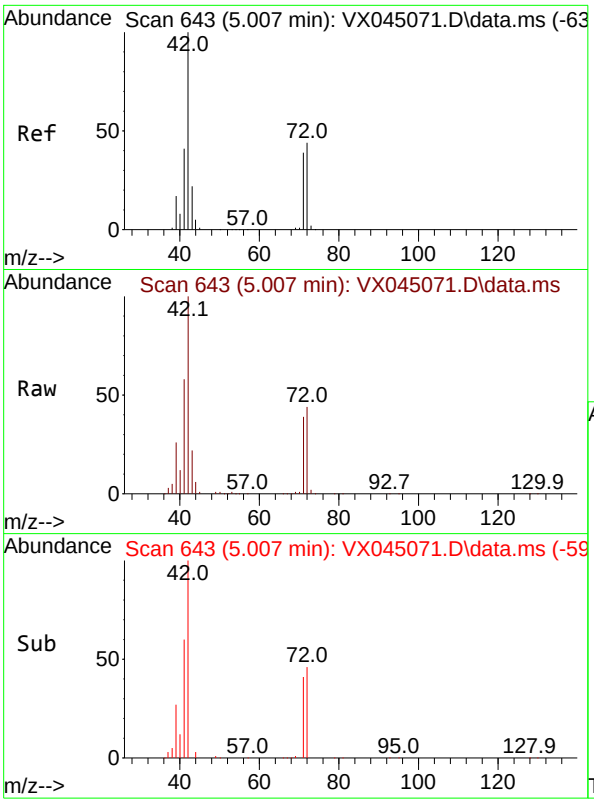


#28
Bromochloromethane
Concen: 50.643 ug/l
RT: 4.898 min Scan# 625
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

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



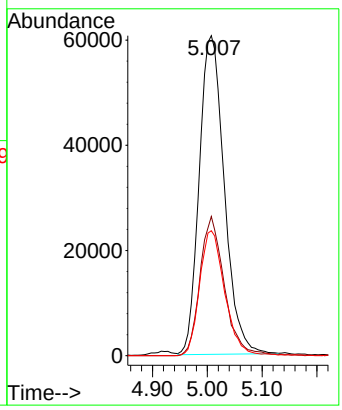


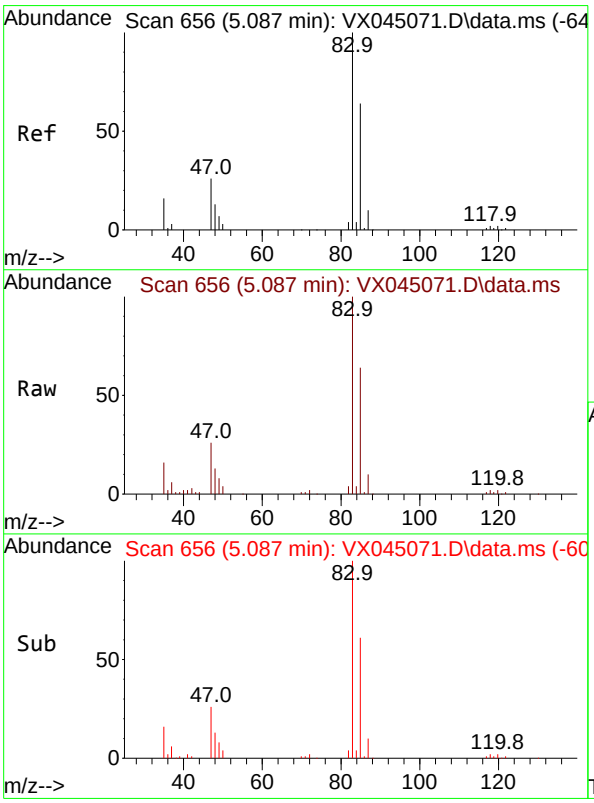
#29
Tetrahydrofuran
Concen: 287.345 ug/l
RT: 5.007 min Scan# 64
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

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

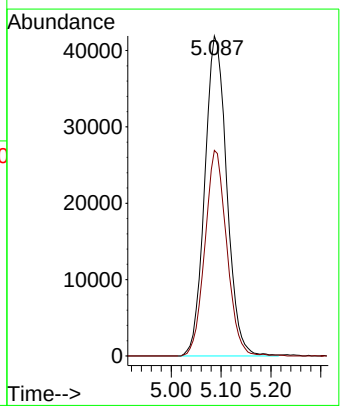


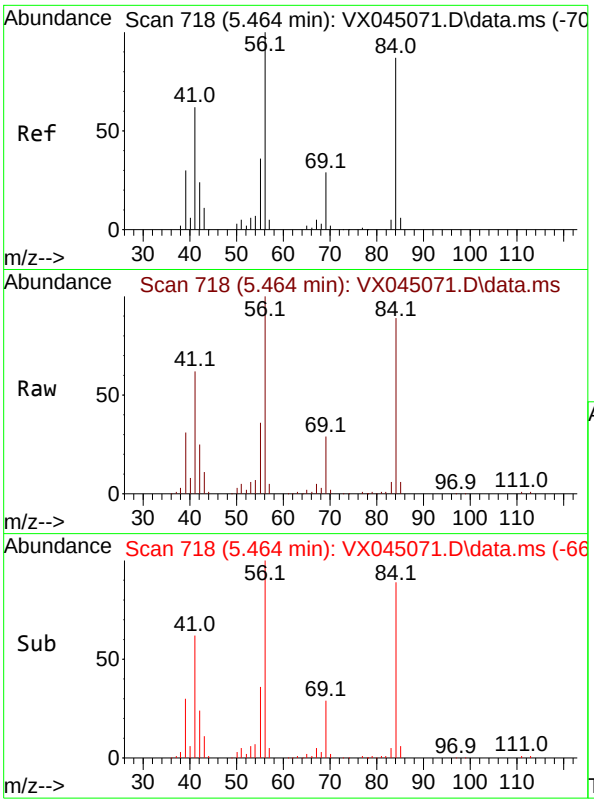


#30
Chloroform
Concen: 51.532 ug/l
RT: 5.087 min Scan# 656
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 83 Resp: 128581

Ion	Ratio	Lower	Upper
83	100		
85	64.3	51.4	77.2



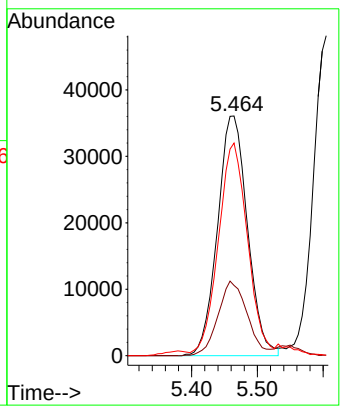


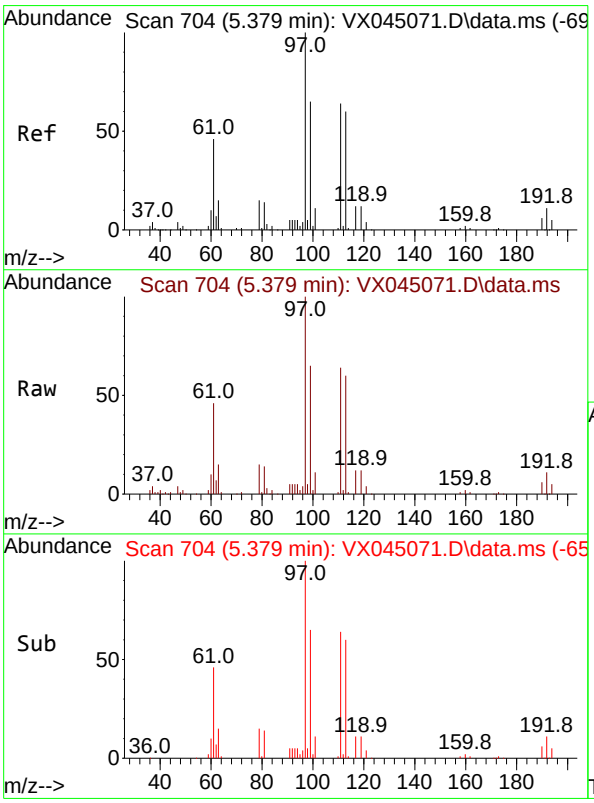
#31
Cyclohexane
Concen: 48.836 ug/l
RT: 5.464 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

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

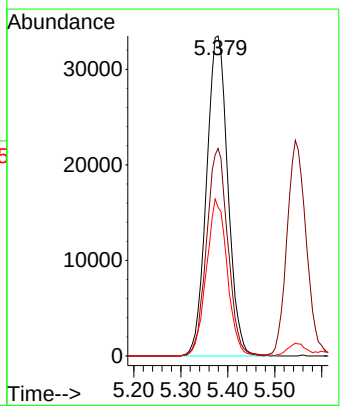


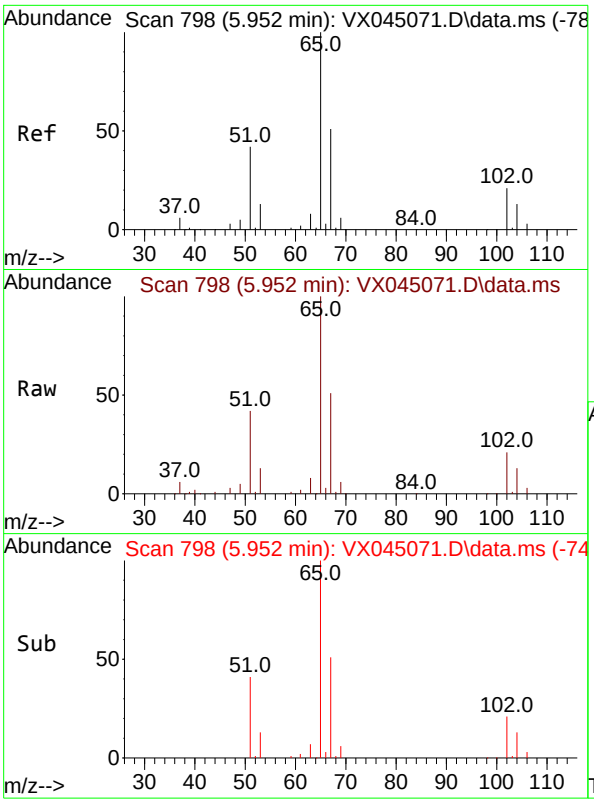


#32
1,1,1-Trichloroethane
Concen: 50.306 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

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



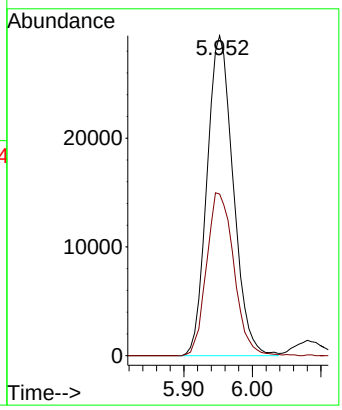


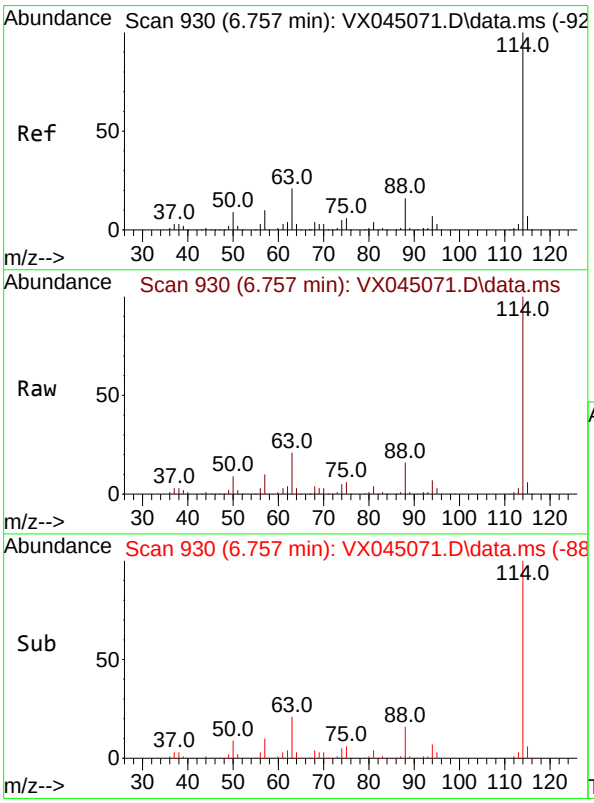
#33
1,2-Dichloroethane-d4
Concen: 51.250 ug/l
RT: 5.952 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 65 Resp: 78159

Ion	Ratio	Lower	Upper
65	100		
67	53.1	0.0	106.2

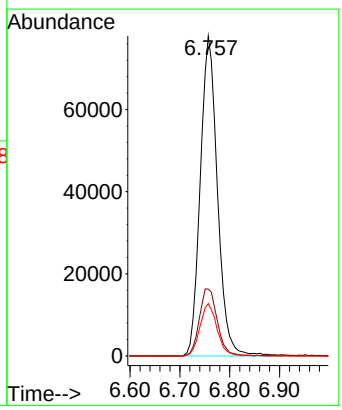


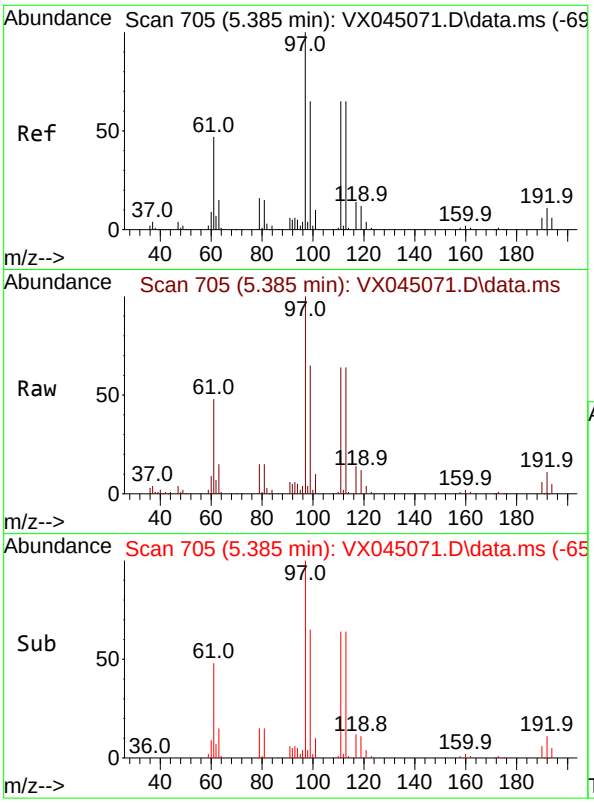


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

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



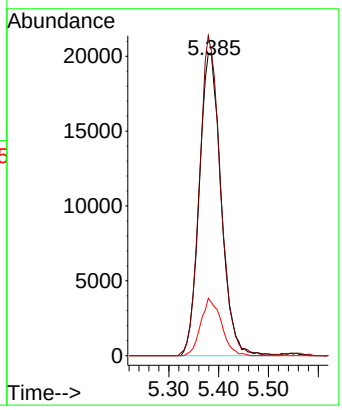


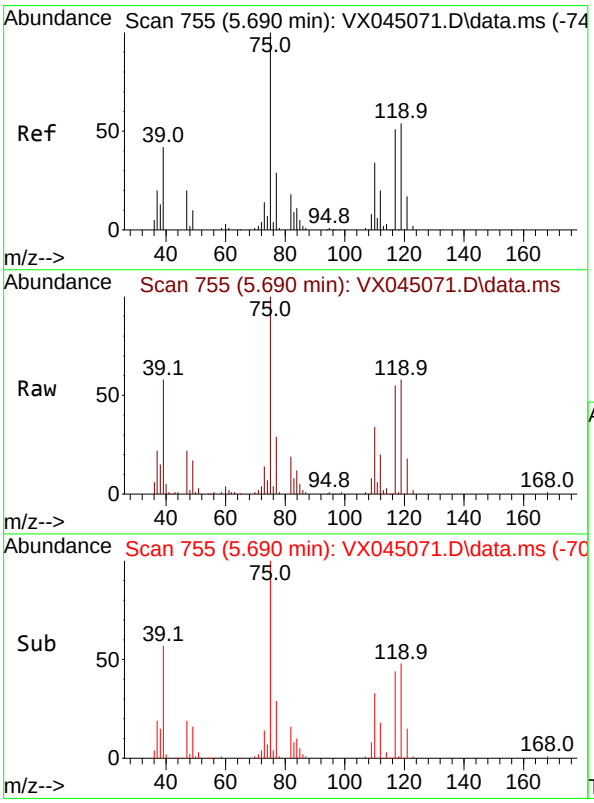
#35
Dibromofluoromethane
Concen: 50.346 ug/l
RT: 5.385 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

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

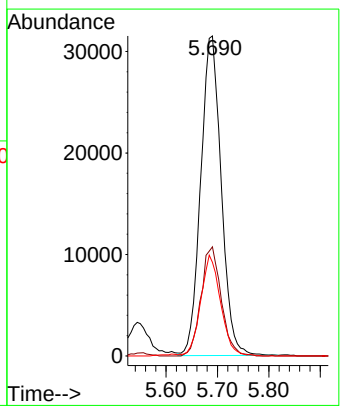


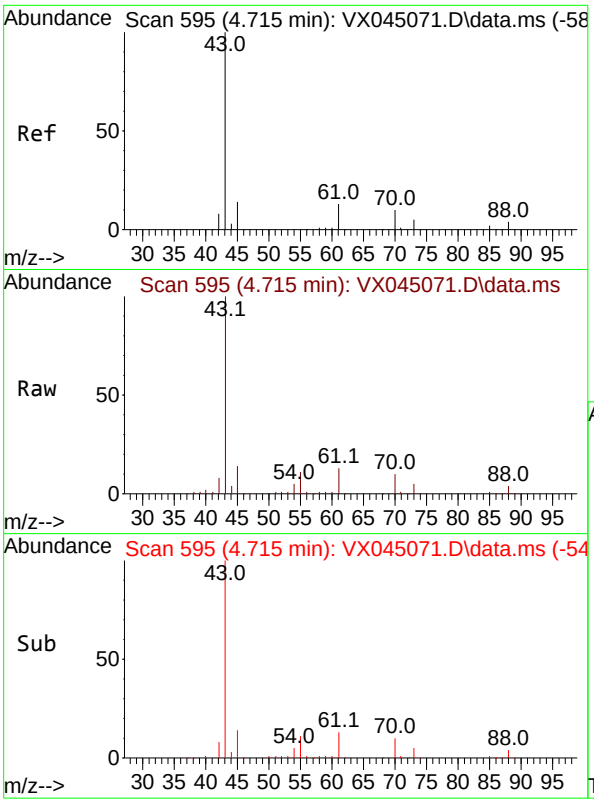


#36
1,1-Dichloropropene
Concen: 49.861 ug/l
RT: 5.690 min Scan# 755
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

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



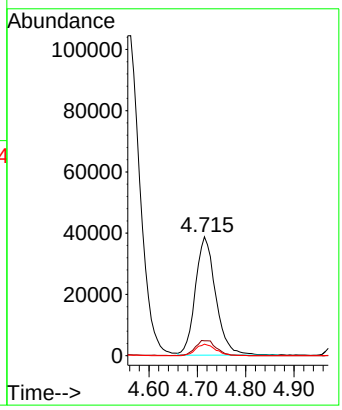


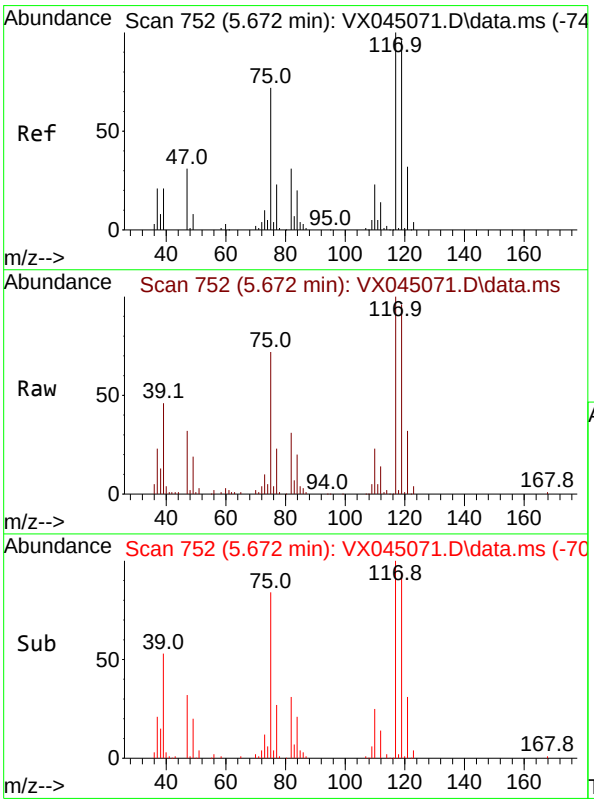
#37
Ethyl Acetate
Concen: 56.641 ug/l
RT: 4.715 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

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

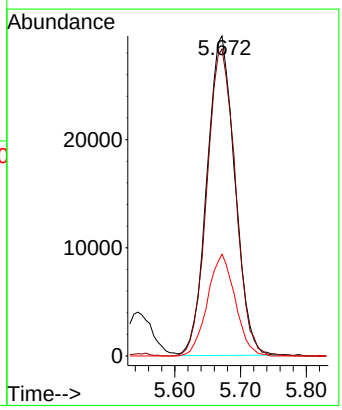


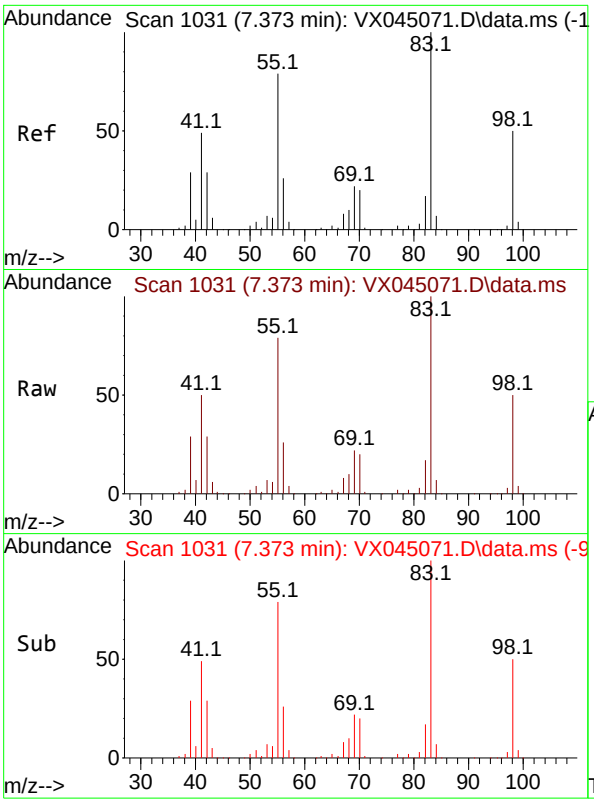


#38
Carbon Tetrachloride
Concen: 50.593 ug/l
RT: 5.672 min Scan# 752
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

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



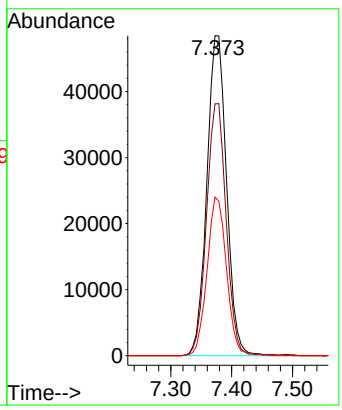


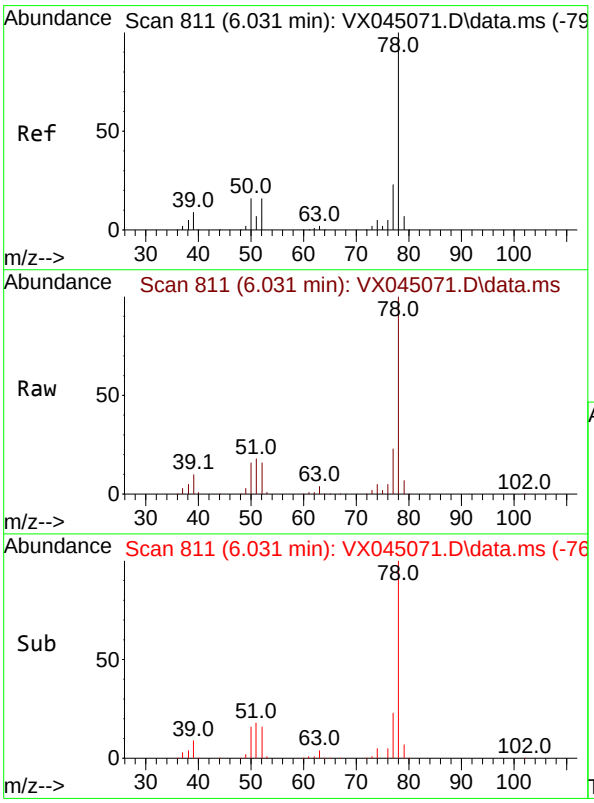
#39
Methylcyclohexane
Concen: 48.715 ug/l
RT: 7.373 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

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

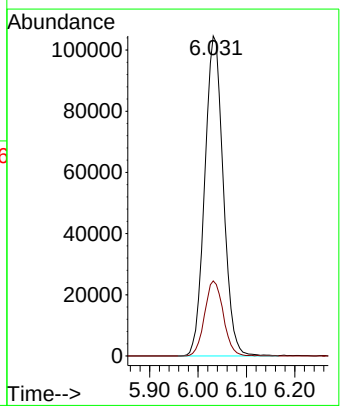


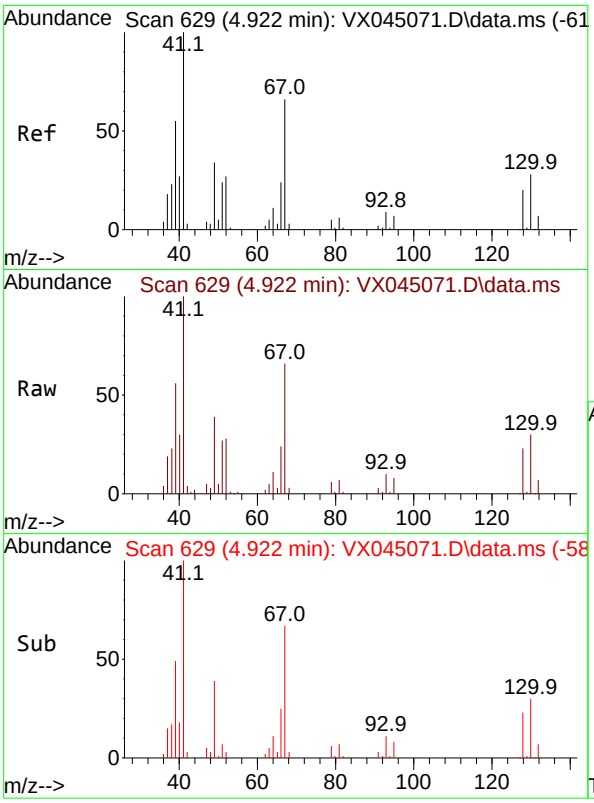


#40
Benzene
Concen: 50.925 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 78 Resp: 278802

Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.8	28.2



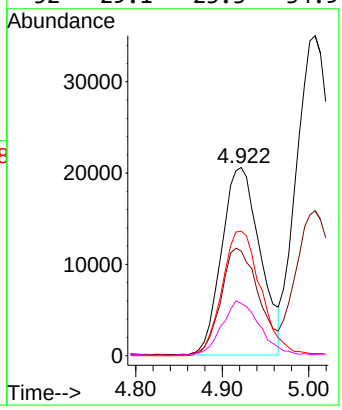


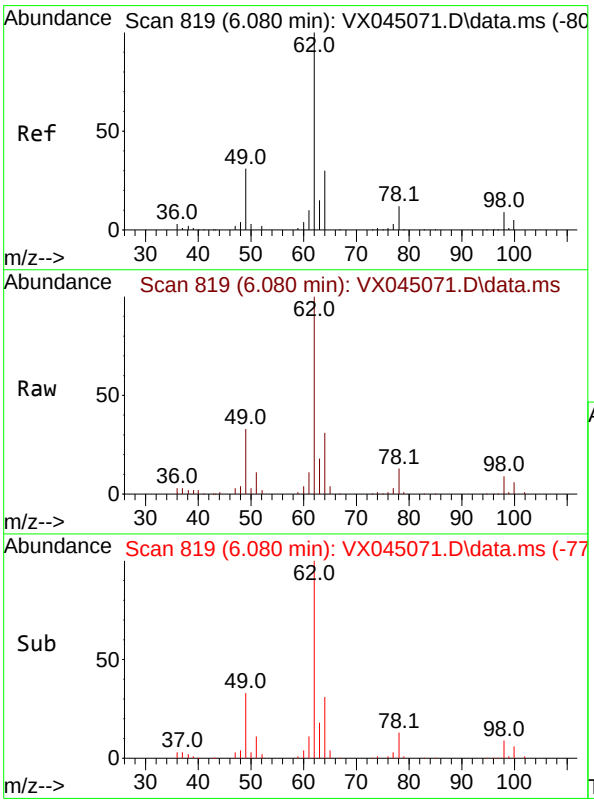
#41
Methacrylonitrile
Concen: 59.598 ug/l
RT: 4.922 min Scan# 6
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

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

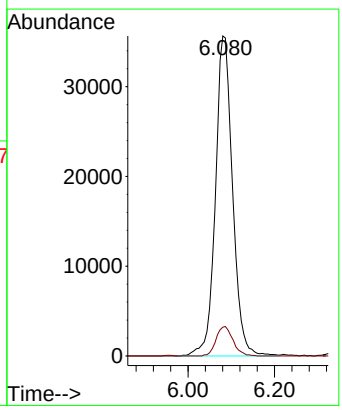


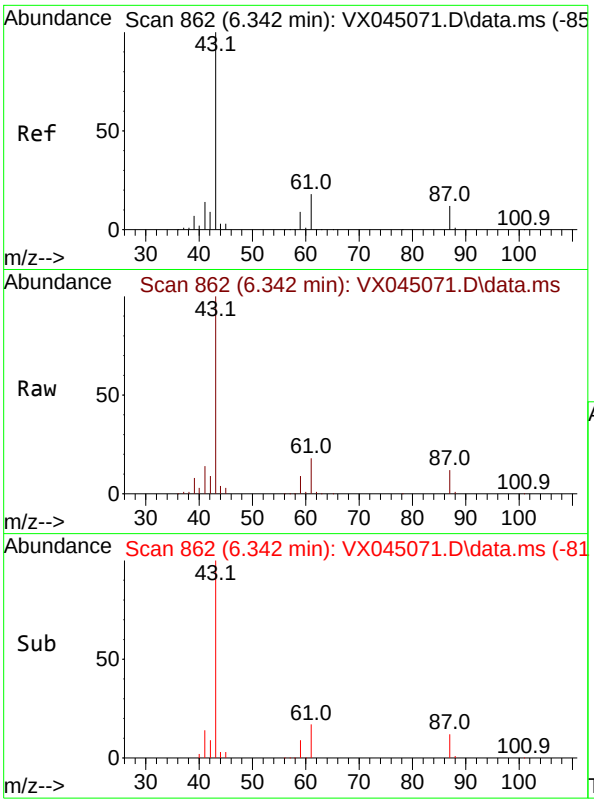


#42
1,2-Dichloroethane
Concen: 55.428 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 62 Resp: 98340

Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	18.2



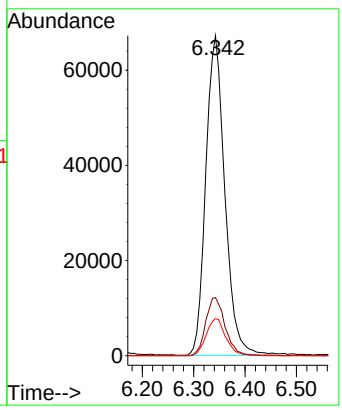


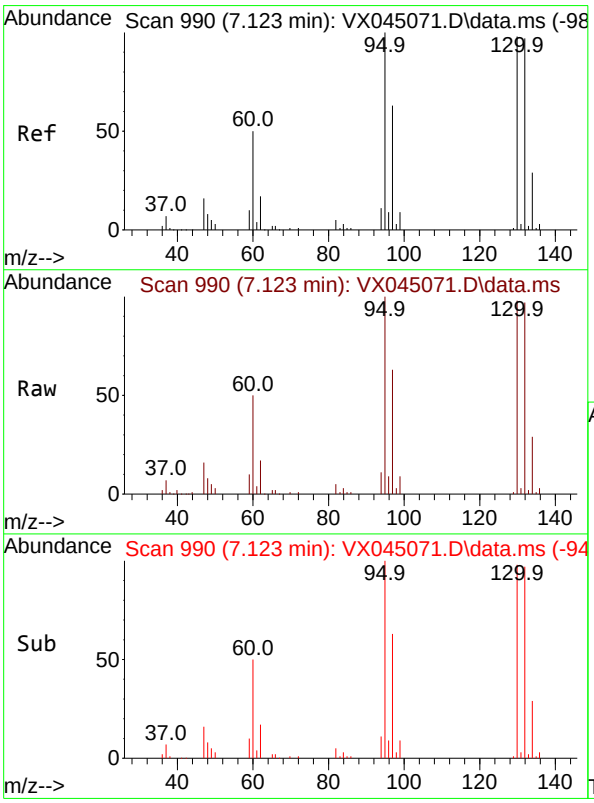
#43
Isopropyl Acetate
Concen: 54.544 ug/l
RT: 6.342 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

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

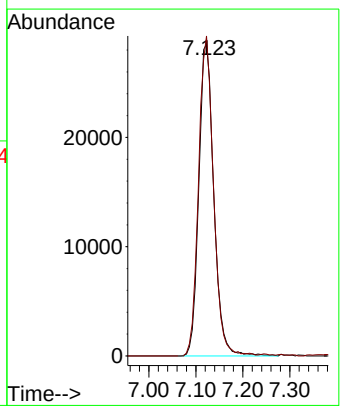


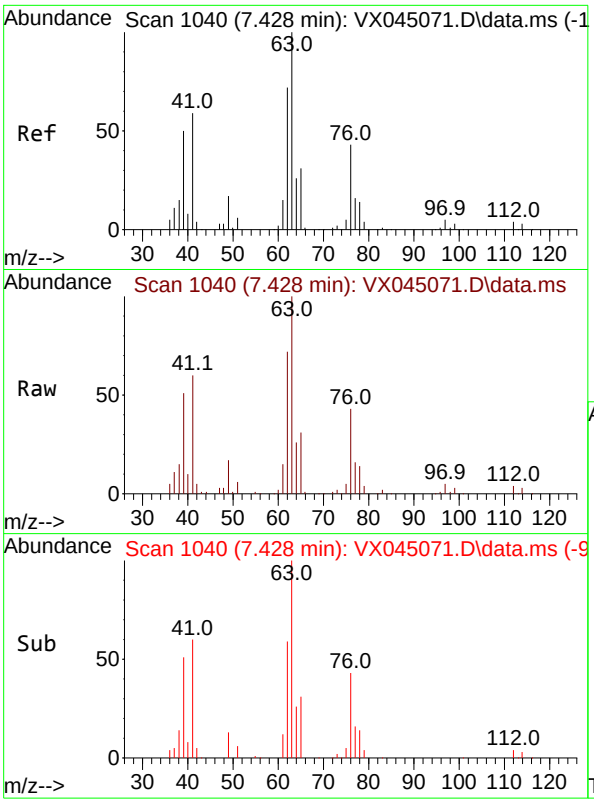


#44
Trichloroethene
Concen: 50.756 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:130 Resp: 63513

Ion	Ratio	Lower	Upper
130	100		
95	102.5	0.0	205.0



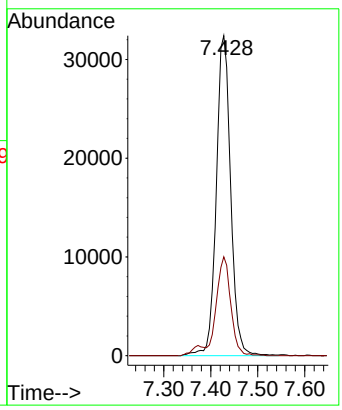


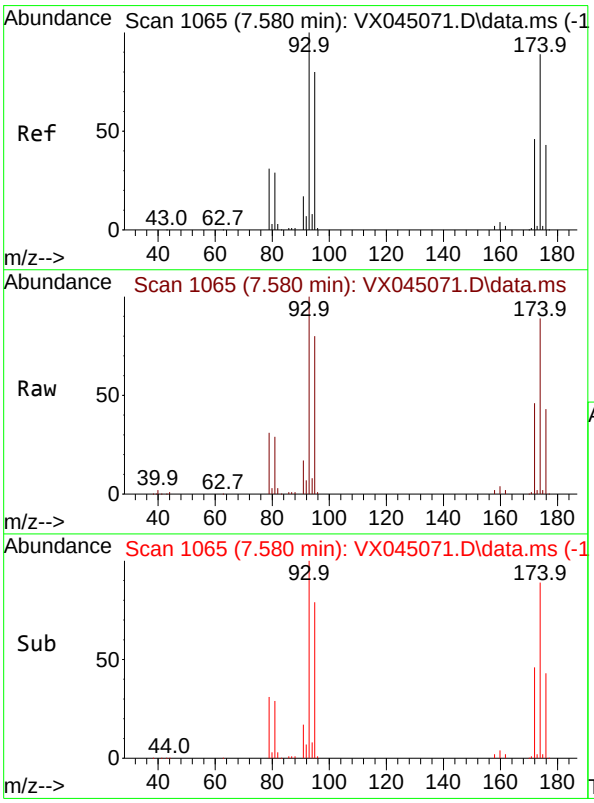
#45
1,2-Dichloropropane
Concen: 50.808 ug/l
RT: 7.428 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 63 Resp: 69128

Ion	Ratio	Lower	Upper
63	100		
65	30.9	24.7	37.1

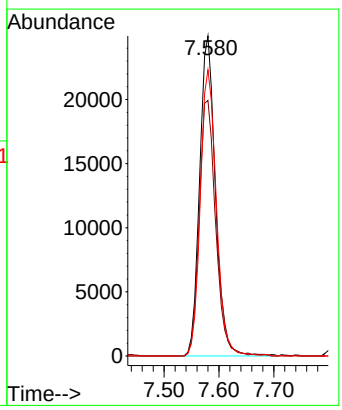


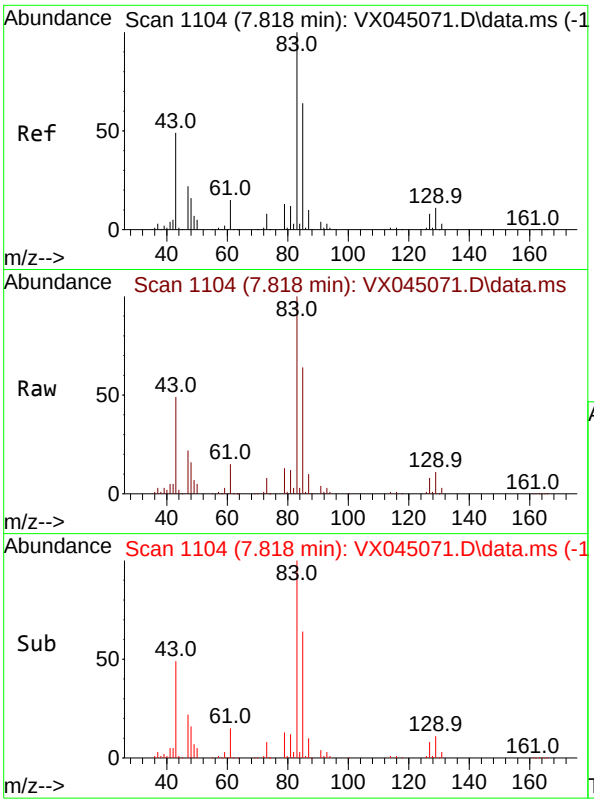


#46
Dibromomethane
Concen: 52.757 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

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



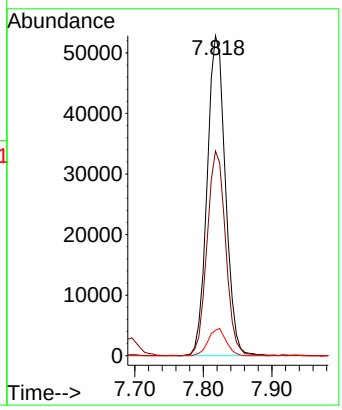


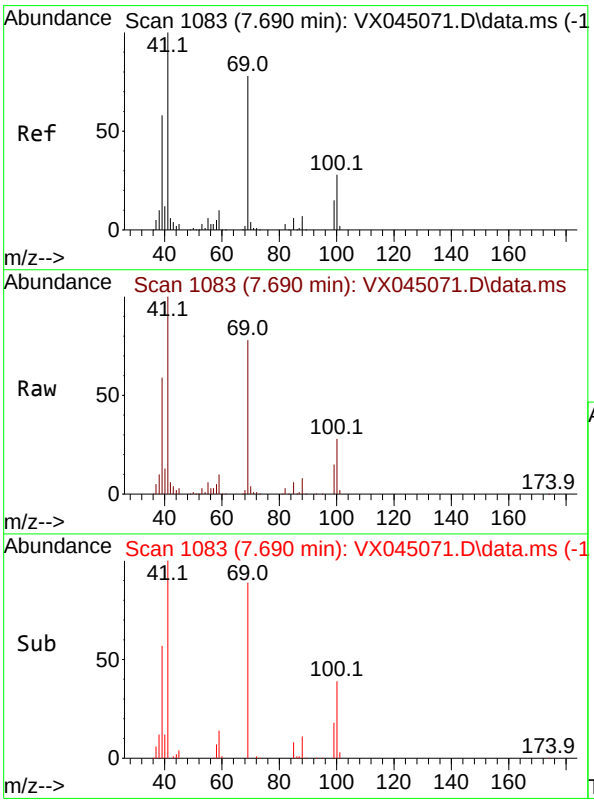
#47
Bromodichloromethane
Concen: 53.153 ug/l
RT: 7.818 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

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

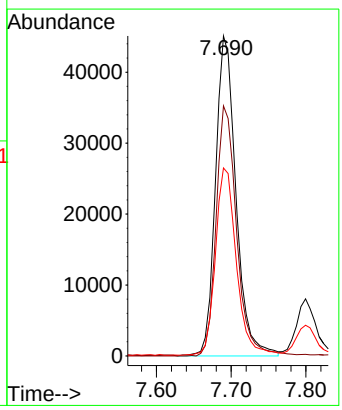


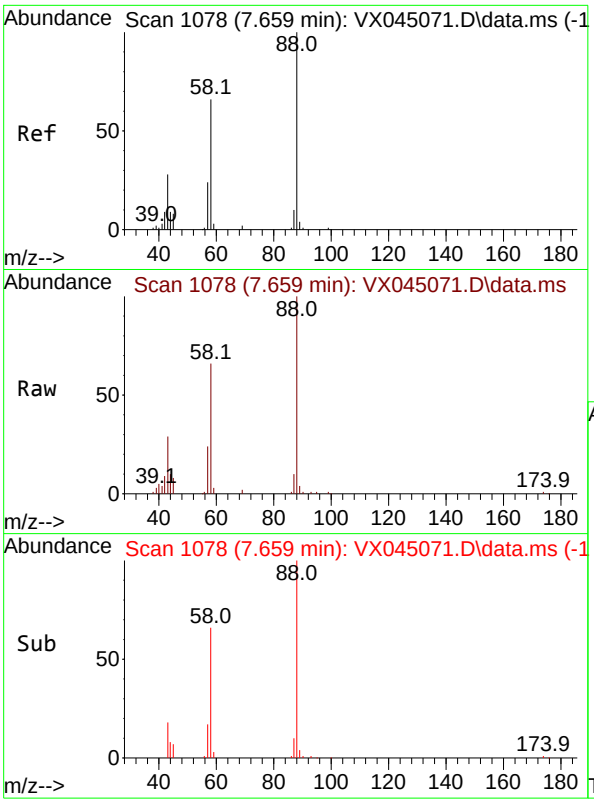


#48
Methyl methacrylate
Concen: 57.256 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

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



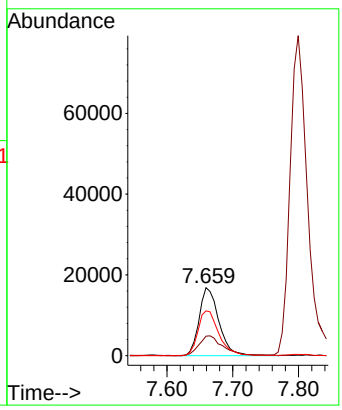


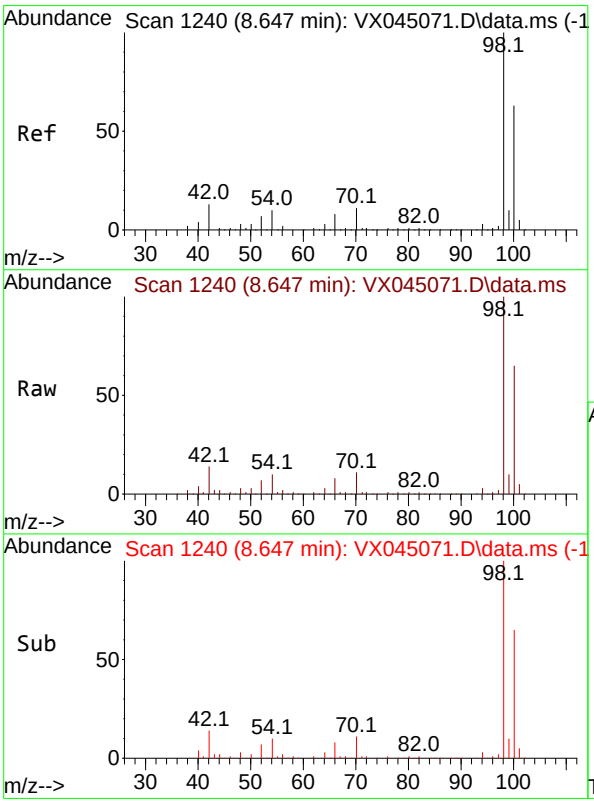
#49
1,4-Dioxane
Concen: 1095.003 ug/l
RT: 7.659 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

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

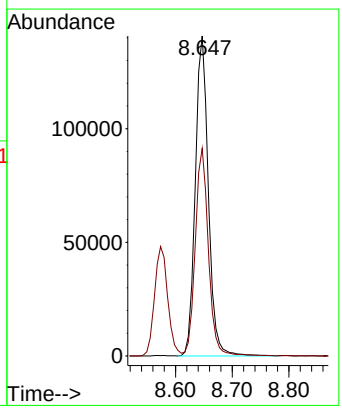


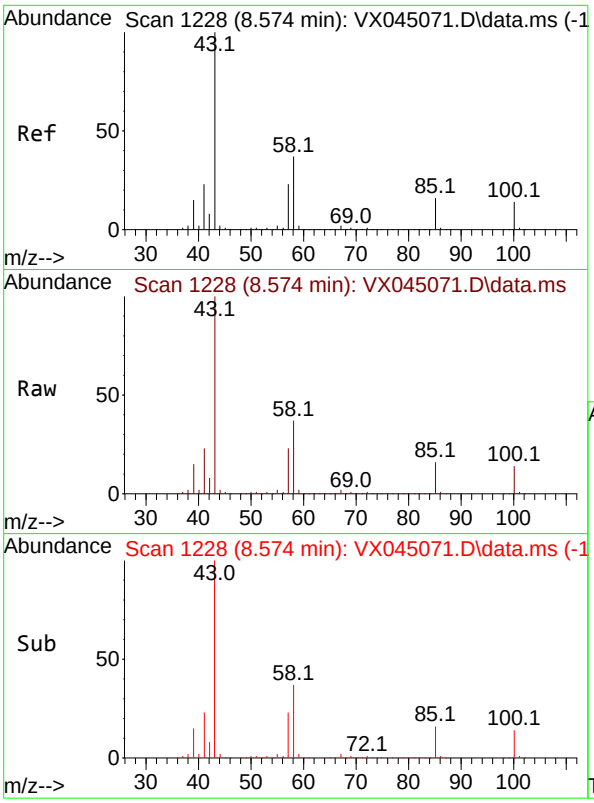


#50
Toluene-d8
Concen: 49.449 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 98 Resp: 225493

Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.0	78.0



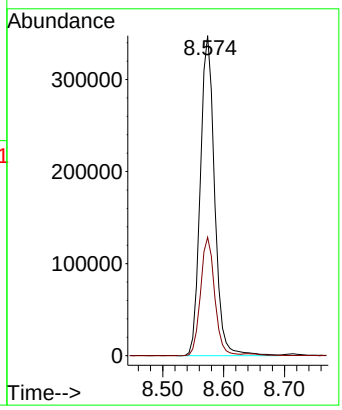


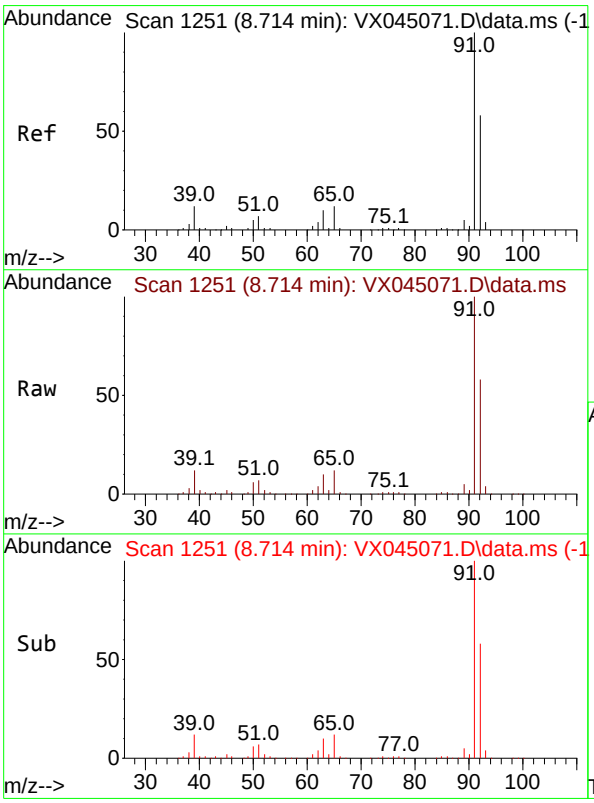
#51
4-Methyl-2-Pentanone
Concen: 292.570 ug/l
RT: 8.574 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 568737

Ion	Ratio	Lower	Upper
43	100		
58	36.5	29.2	43.8

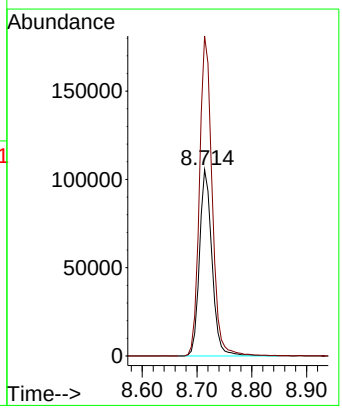


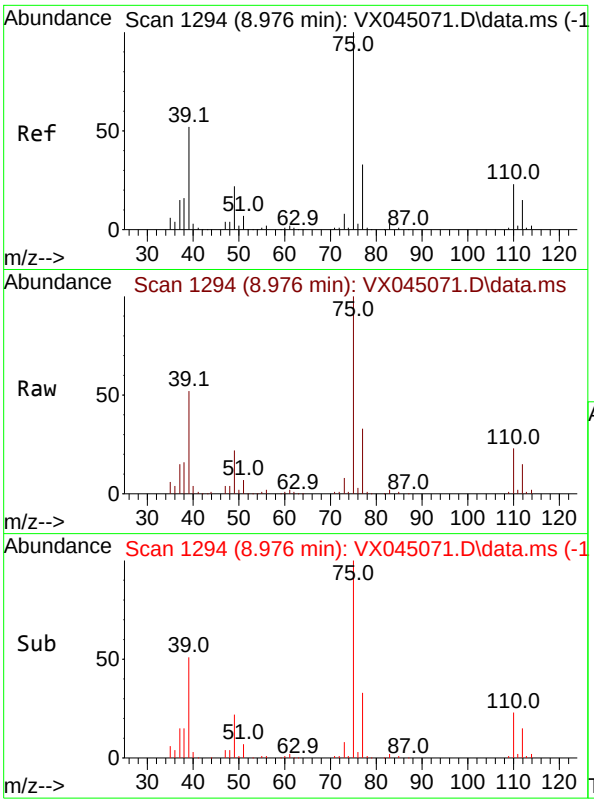


#52
Toluene
Concen: 51.505 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 92 Resp: 167431

Ion	Ratio	Lower	Upper
92	100		
91	173.6	138.9	208.3



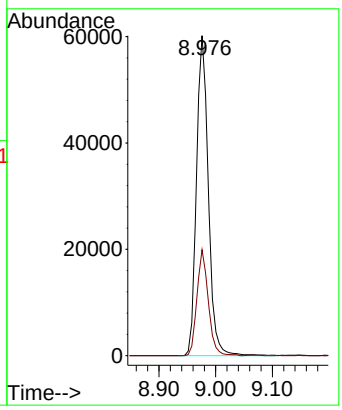


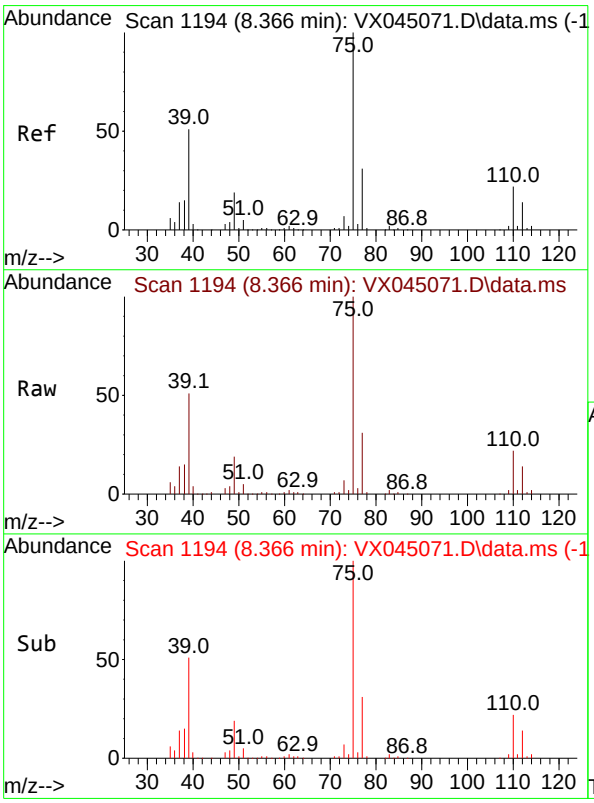
#53
t-1,3-Dichloropropene
Concen: 48.078 ug/l
RT: 8.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 75 Resp: 87373

Ion	Ratio	Lower	Upper
75	100		
77	33.1	26.5	39.7

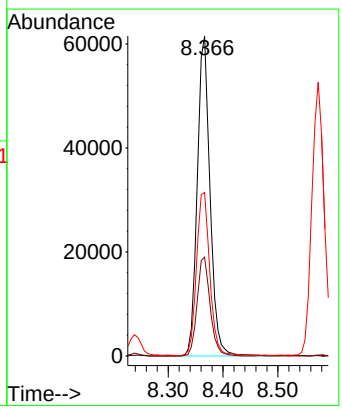


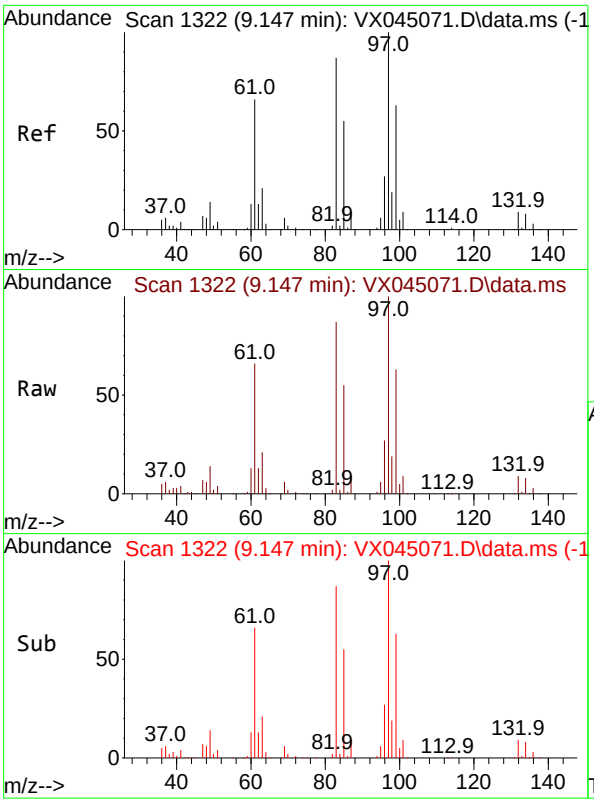


#54
cis-1,3-Dichloropropene
Concen: 49.079 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

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



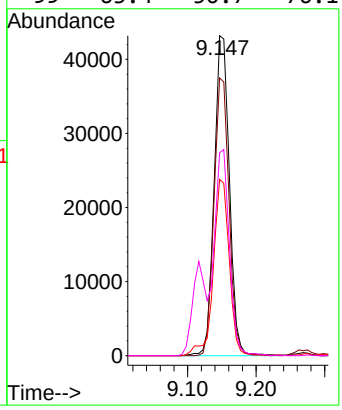


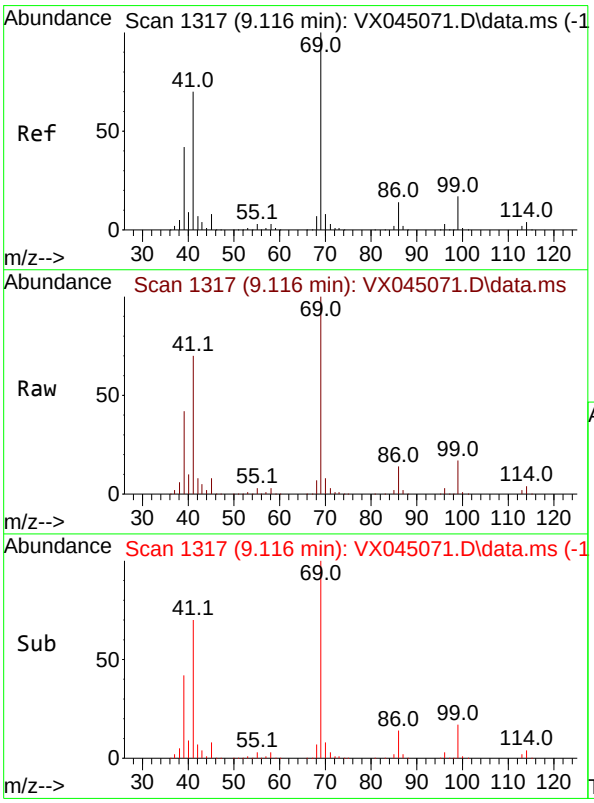
#55
1,1,2-Trichloroethane
Concen: 52.724 ug/l
RT: 9.147 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

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

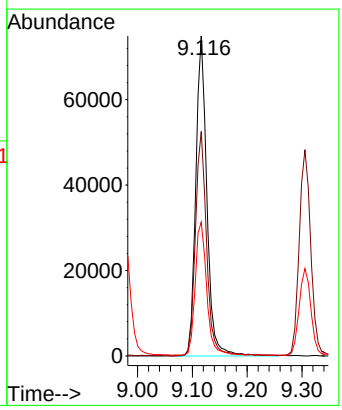


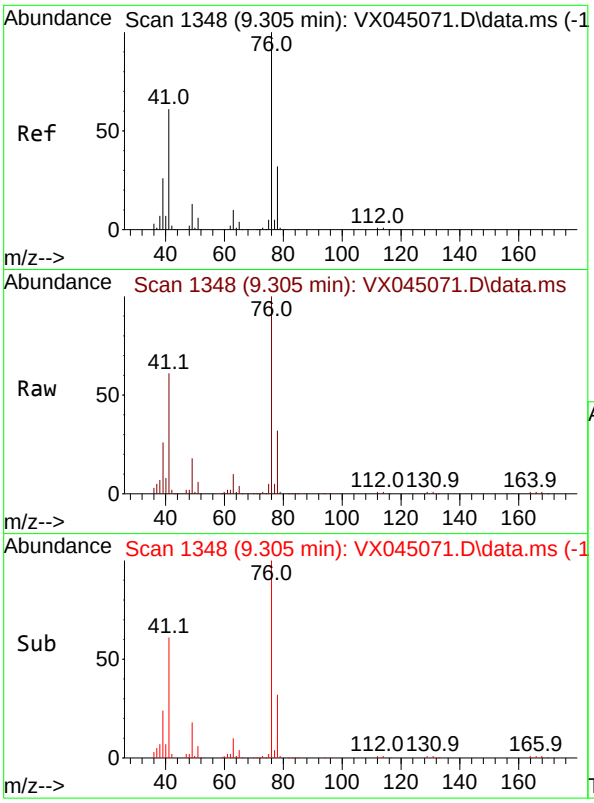


#56
Ethyl methacrylate
Concen: 52.724 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

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



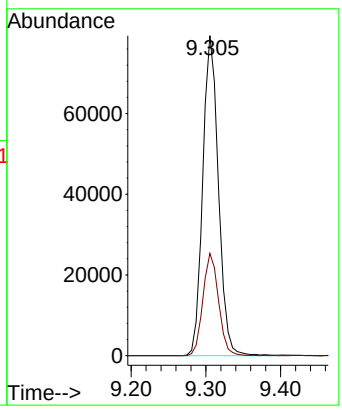


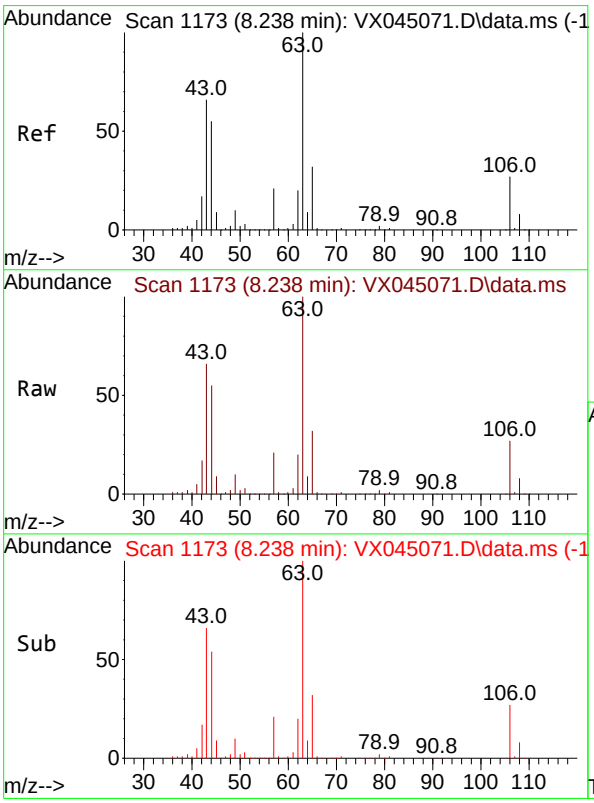
#57
1,3-Dichloropropane
Concen: 52.594 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 76 Resp: 115488

Ion	Ratio	Lower	Upper
76	100		
78	31.9	25.5	38.3

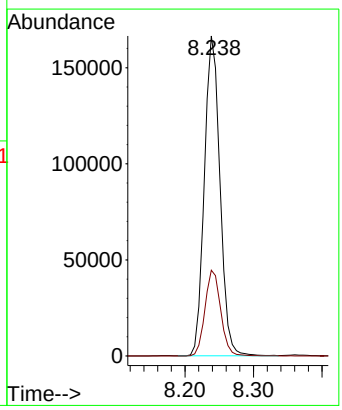


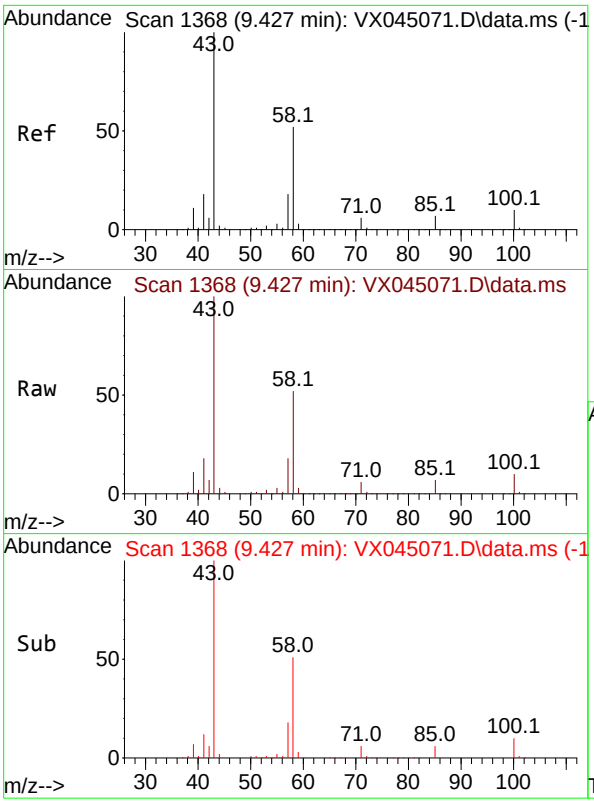


#58
2-Chloroethyl Vinyl ether
Concen: 267.612 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 63 Resp: 264555

Ion	Ratio	Lower	Upper
63	100		
106	26.9	21.5	32.3



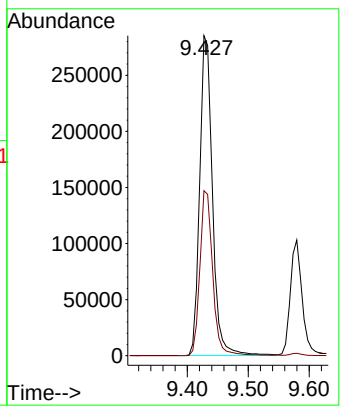


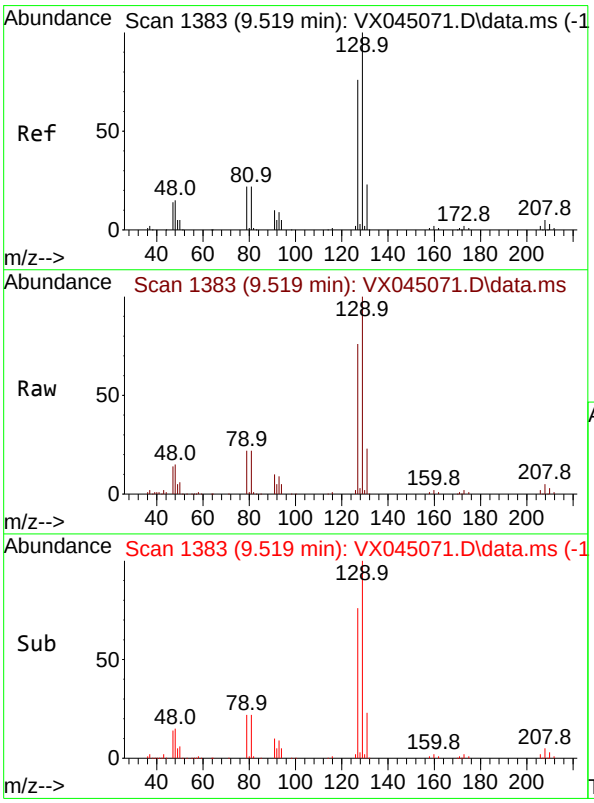
#59
2-Hexanone
Concen: 297.362 ug/l
RT: 9.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 416984

Ion	Ratio	Lower	Upper
43	100		
58	51.7	25.9	77.6

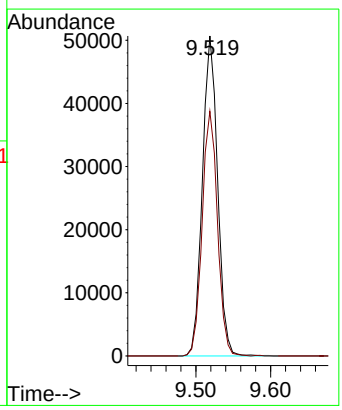


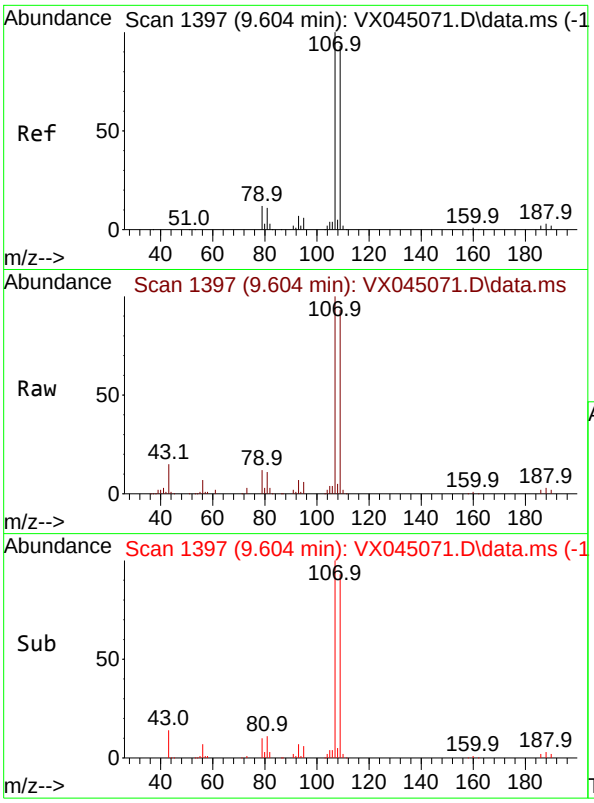


#60
Dibromochloromethane
Concen: 53.284 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:129 Resp: 71569

Ion	Ratio	Lower	Upper
129	100		
127	77.0	38.5	115.5



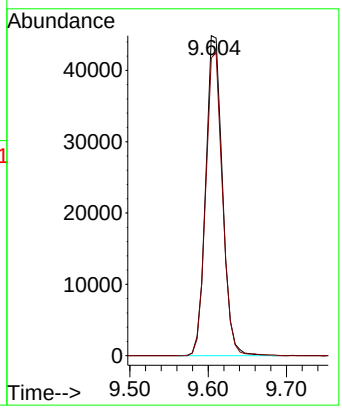


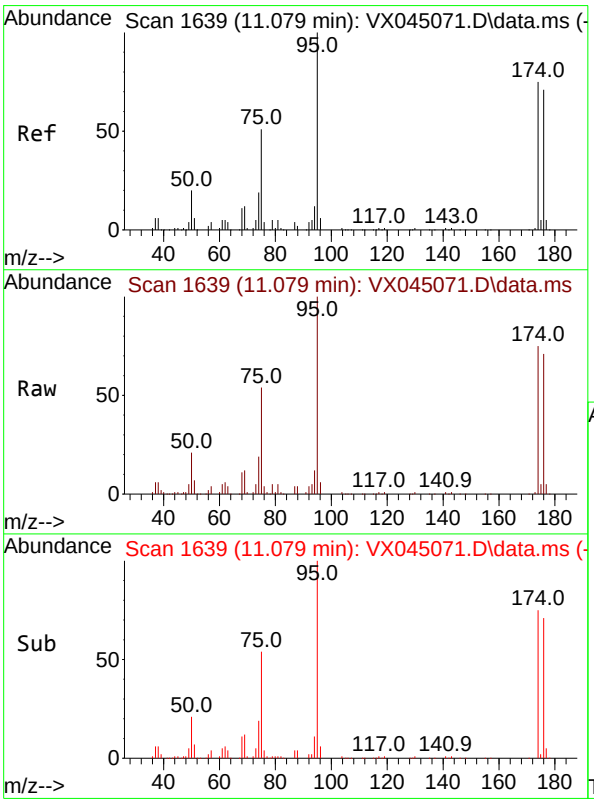
#61
1,2-Dibromoethane
Concen: 52.217 ug/l
RT: 9.604 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:107 Resp: 66312

Ion	Ratio	Lower	Upper
107	100		
109	95.1	76.1	114.1

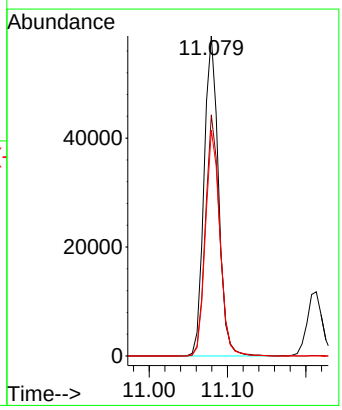


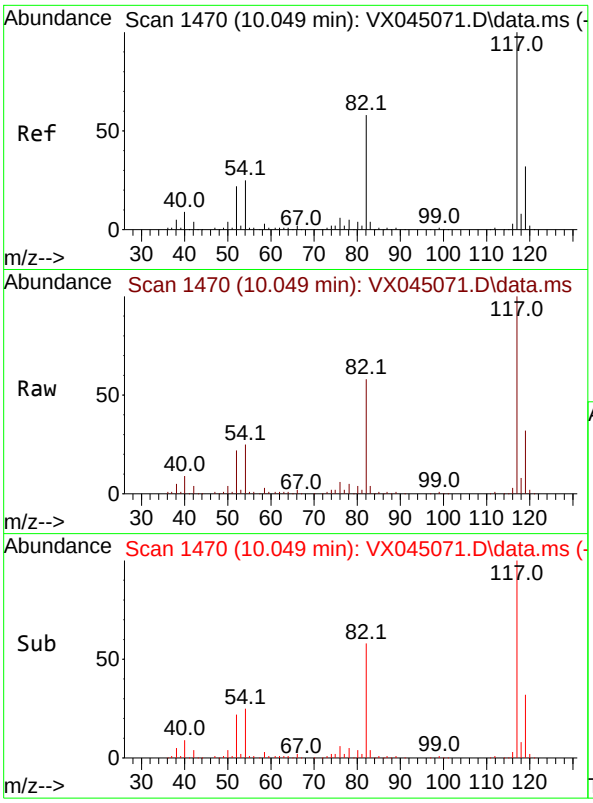


#62
4-Bromofluorobenzene
Concen: 49.212 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

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



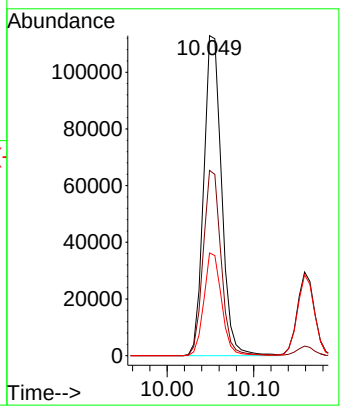


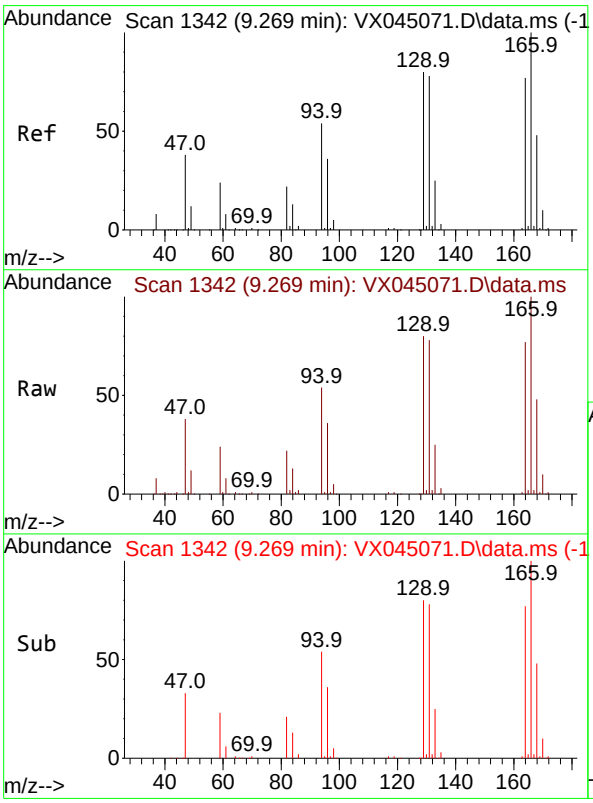
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

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

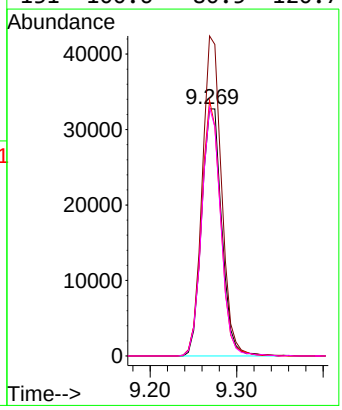


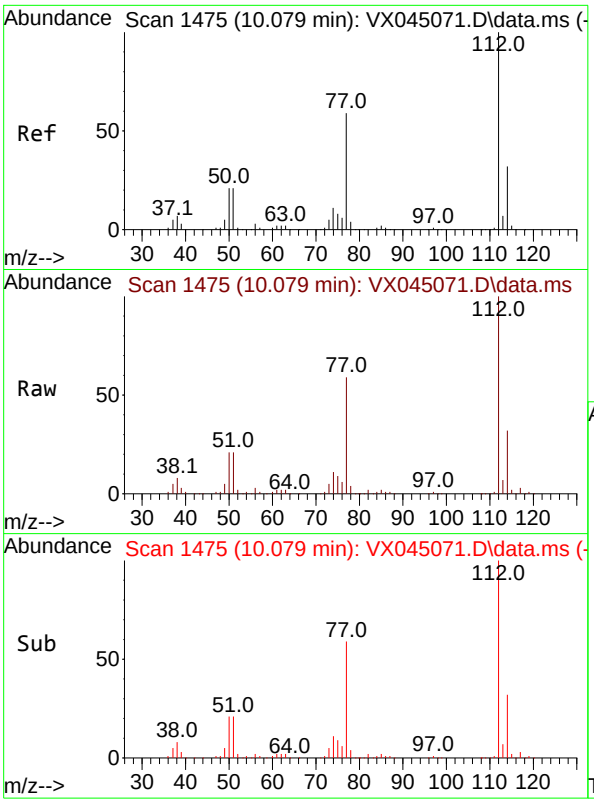


#64
Tetrachloroethene
Concen: 51.021 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

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



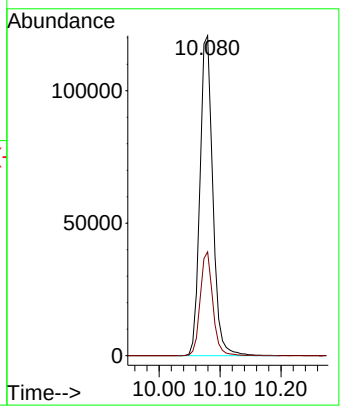


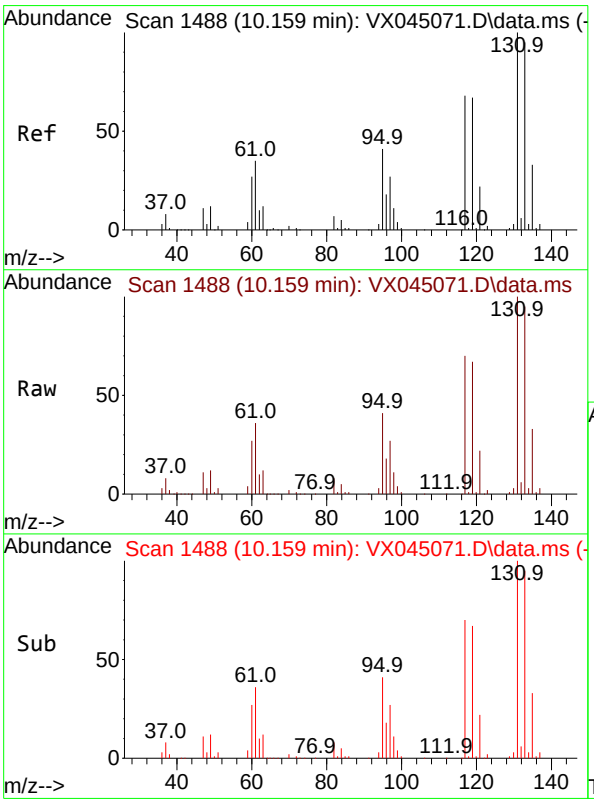
#65
Chlorobenzene
Concen: 50.853 ug/l
RT: 10.079 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:112 Resp: 176922

Ion	Ratio	Lower	Upper
112	100		
114	32.5	26.0	39.0

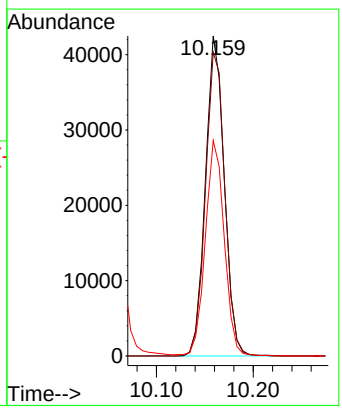


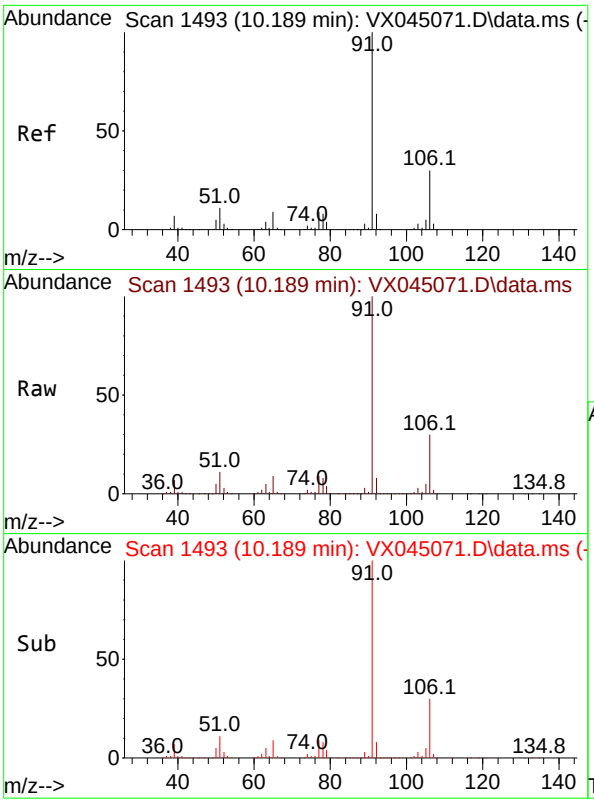


#66
1,1,1,2-Tetrachloroethane
Concen: 51.402 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

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



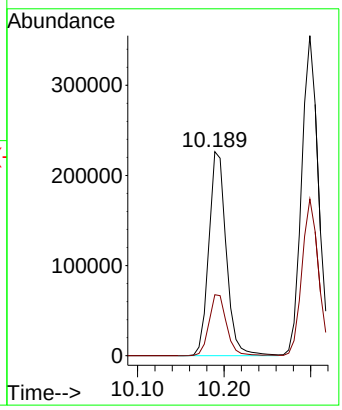


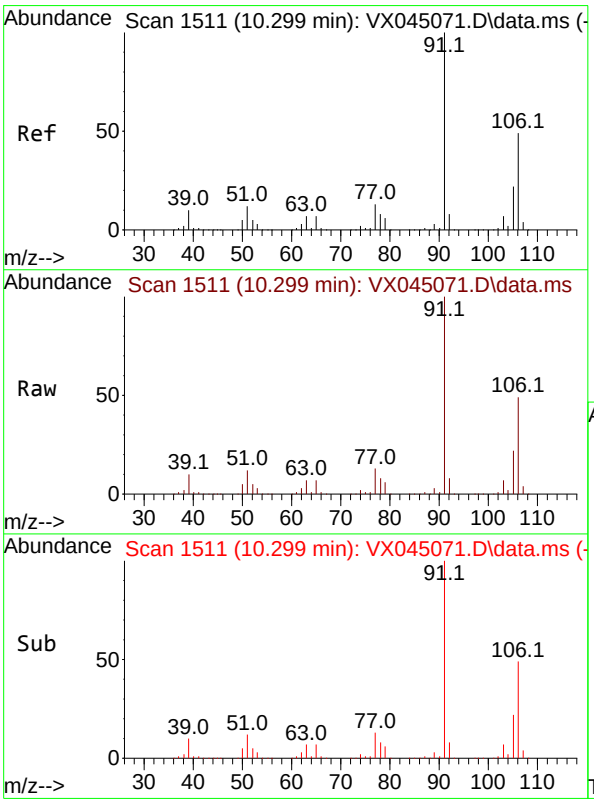
#67
Ethyl Benzene
Concen: 51.431 ug/l
RT: 10.189 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 91 Resp: 316427

Ion	Ratio	Lower	Upper
91	100		
106	29.9	23.9	35.9

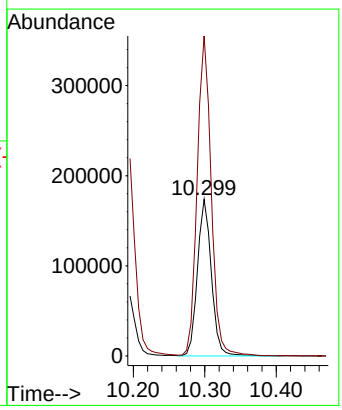


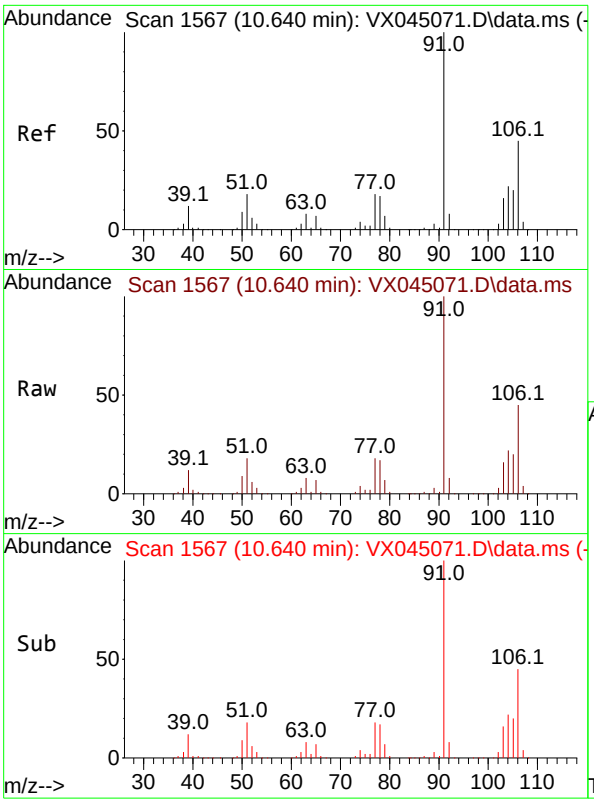


#68
m/p-Xylenes
Concen: 103.515 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:106 Resp: 234554

Ion	Ratio	Lower	Upper
106	100		
91	206.7	165.4	248.0



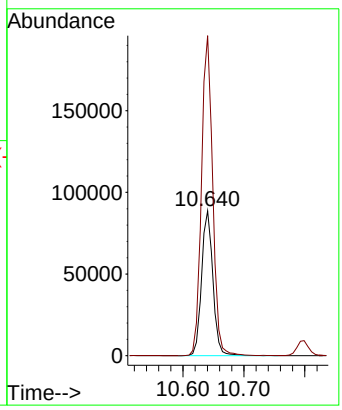


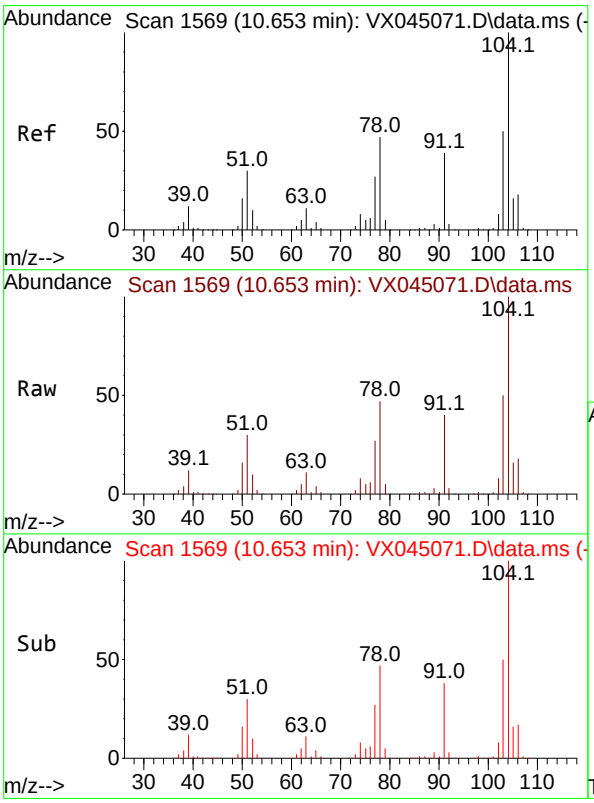
#69
o-Xylene
Concen: 50.341 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:106 Resp: 114440

Ion	Ratio	Lower	Upper
106	100		
91	219.7	109.9	329.6

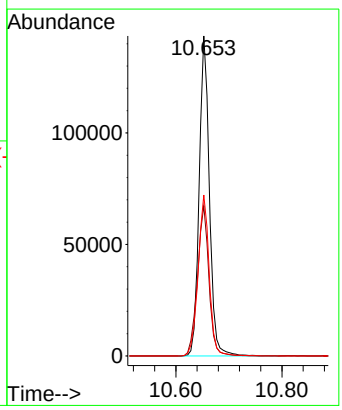


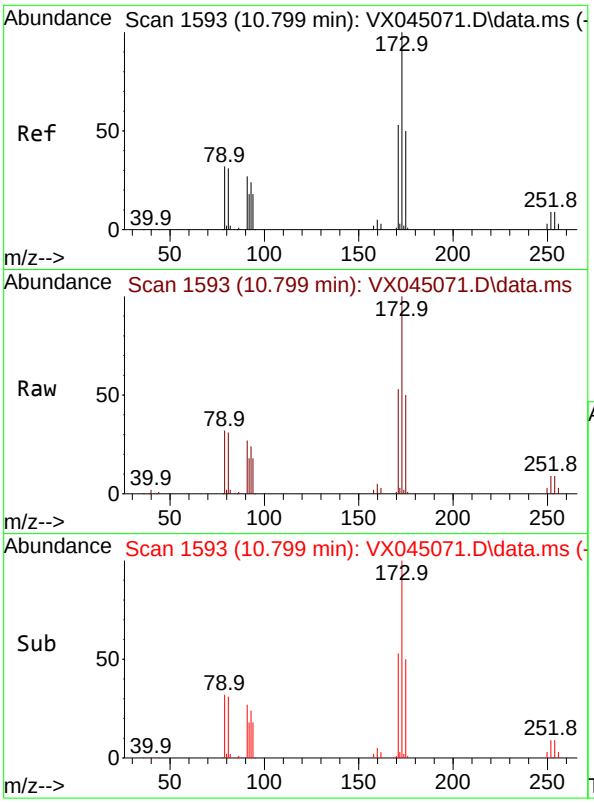


#70
Styrene
Concen: 52.387 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

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



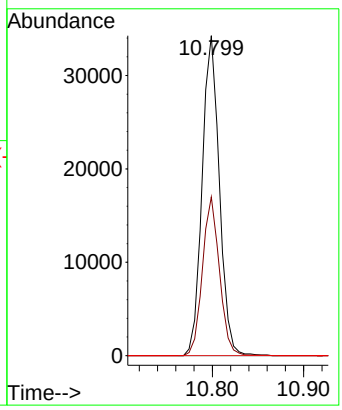


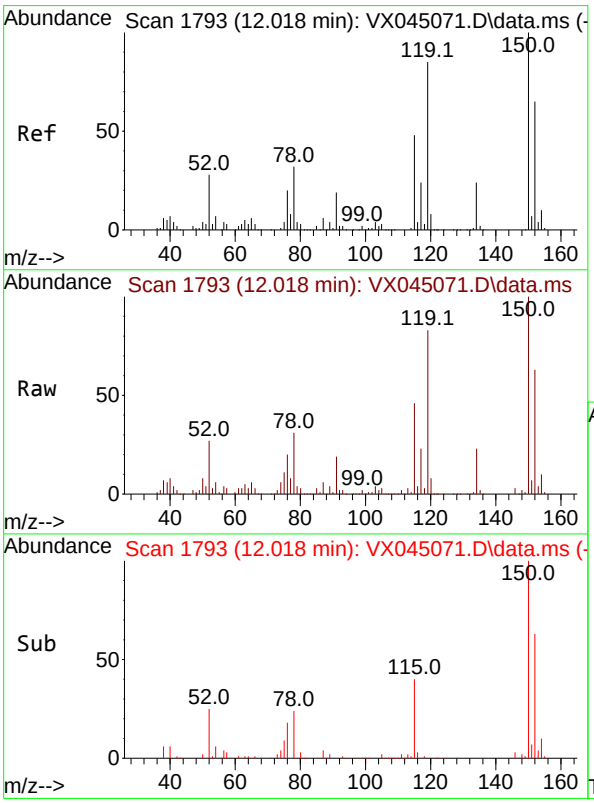
#71
Bromoform
Concen: 53.645 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

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

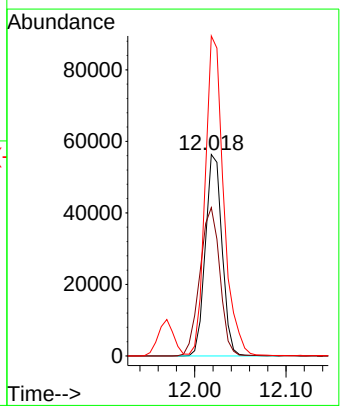


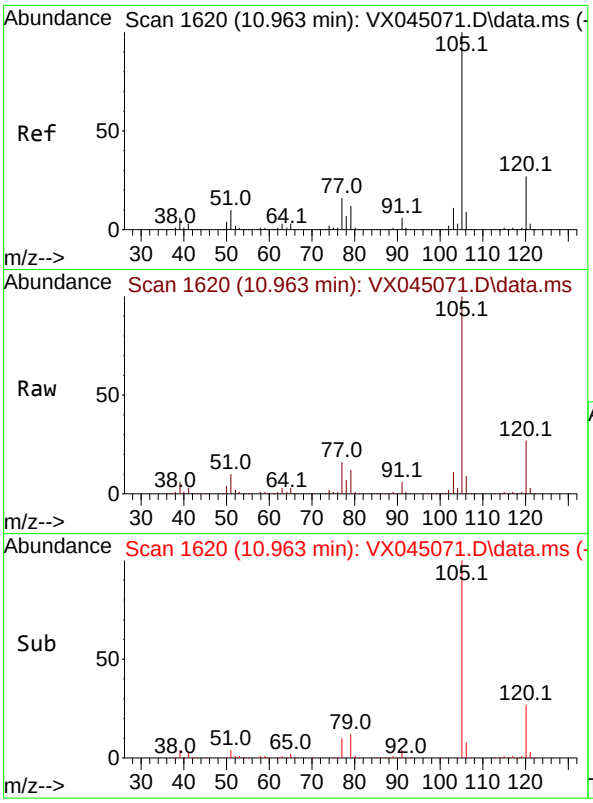


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

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



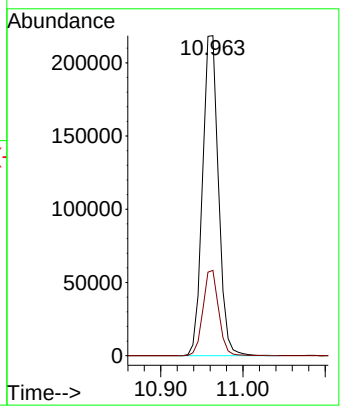


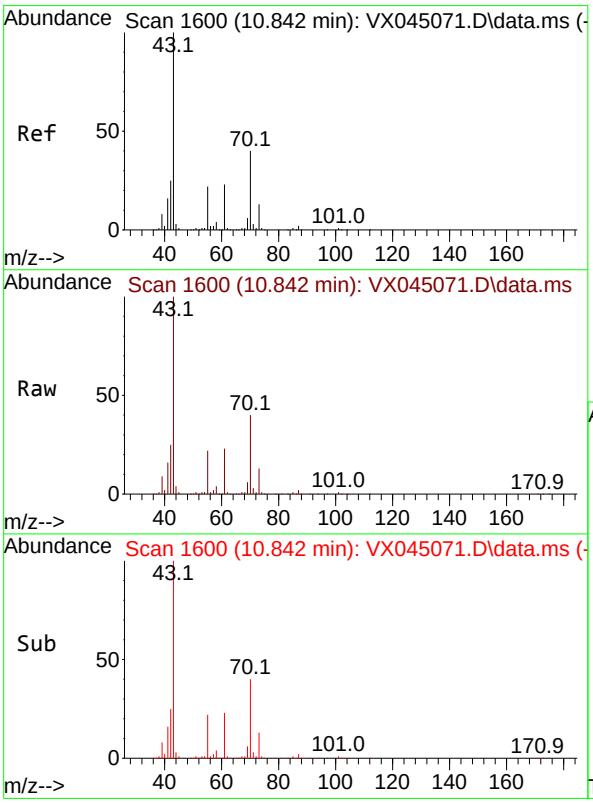
#73
Isopropylbenzene
Concen: 51.167 ug/l
RT: 10.963 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:105 Resp: 294694

Ion	Ratio	Lower	Upper
105	100		
120	26.3	13.2	39.5

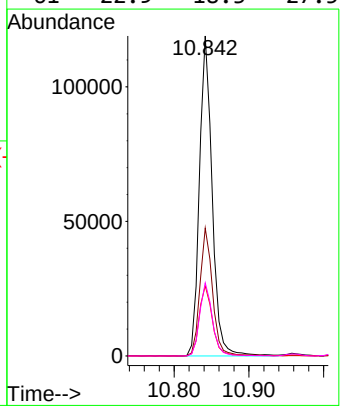


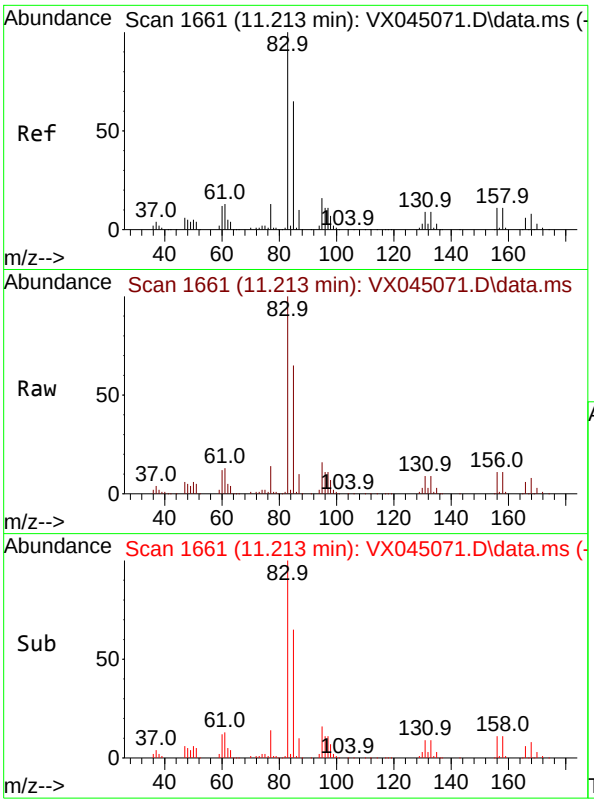


#74
N-amyl acetate
Concen: 53.881 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

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



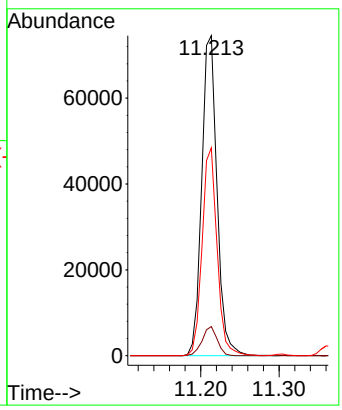


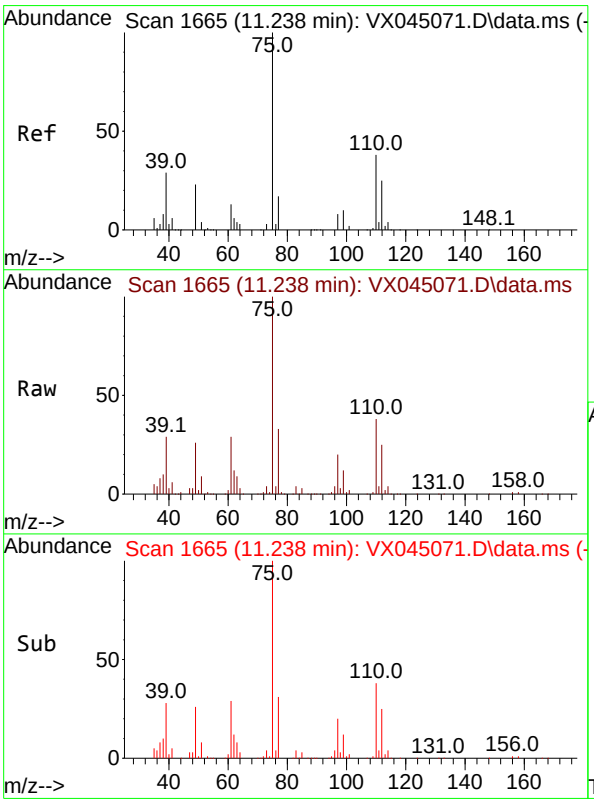
#75
1,1,2,2-Tetrachloroethane
Concen: 50.945 ug/l
RT: 11.213 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

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

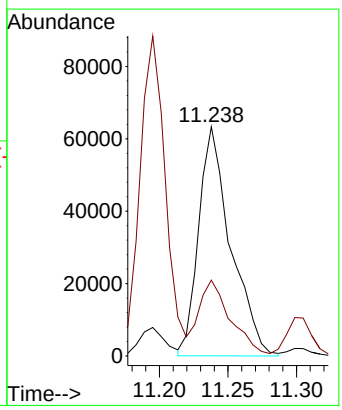


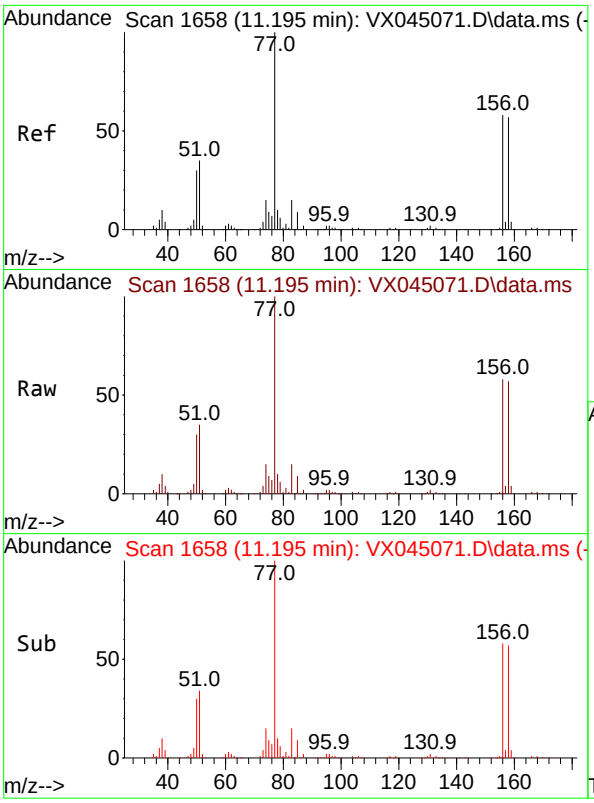


#76
1,2,3-Trichloropropane
Concen: 64.894 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 75 Resp: 103161

Ion	Ratio	Lower	Upper
75	100		
77	32.8	20.7	62.1



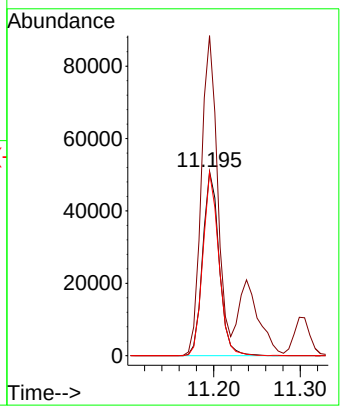


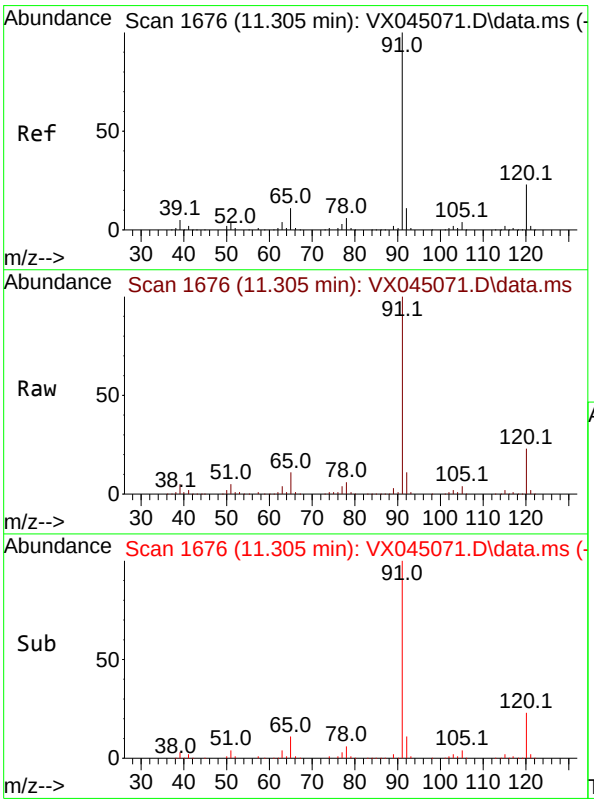
#77
Bromobenzene
Concen: 51.173 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

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

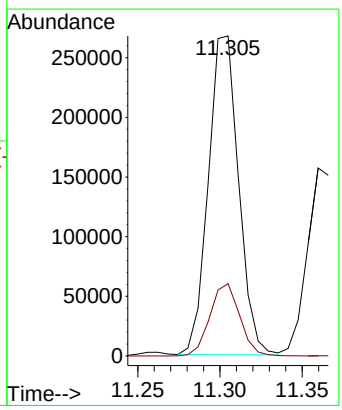


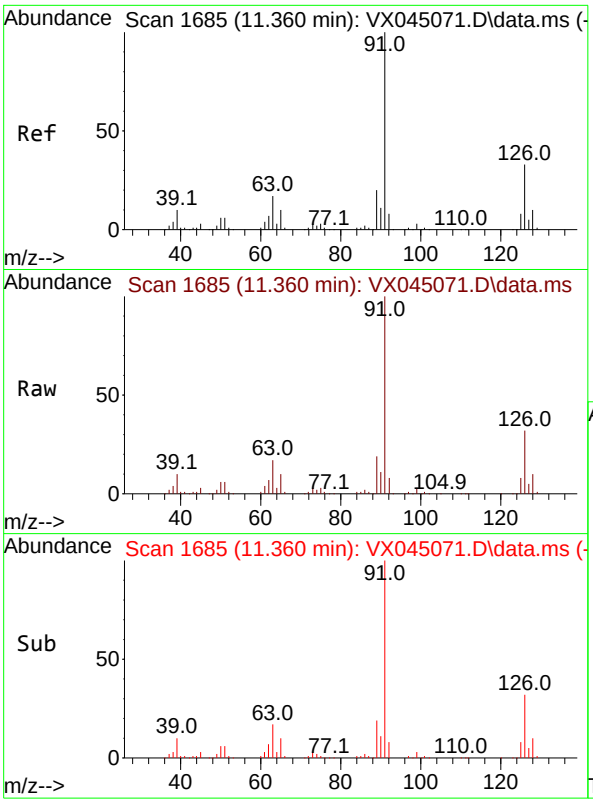


#78
n-propylbenzene
Concen: 51.546 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 91 Resp: 342399

Ion	Ratio	Lower	Upper
91	100		
120	22.4	11.2	33.6



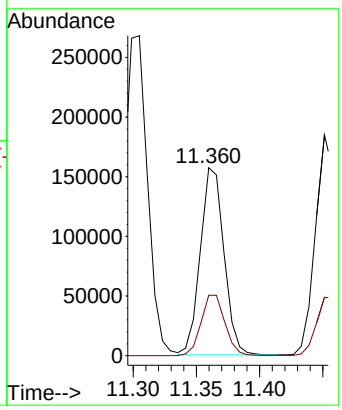


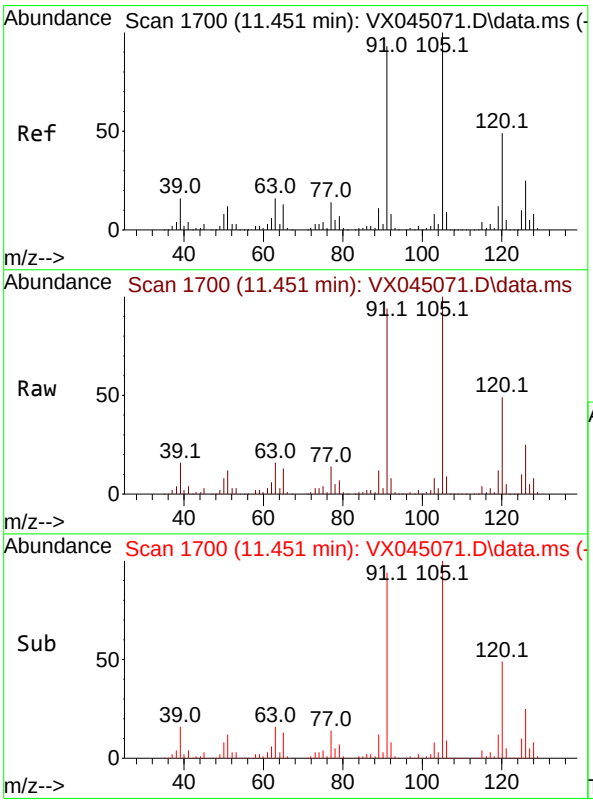
#79
2-Chlorotoluene
Concen: 50.154 ug/l
RT: 11.360 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 91 Resp: 204484

Ion	Ratio	Lower	Upper
91	100		
126	32.9	16.4	49.4

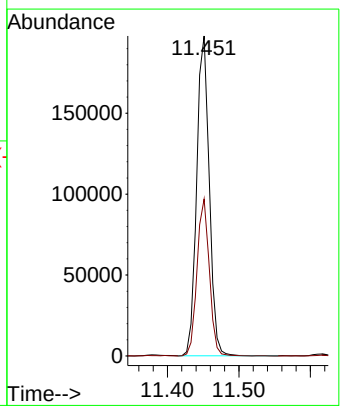


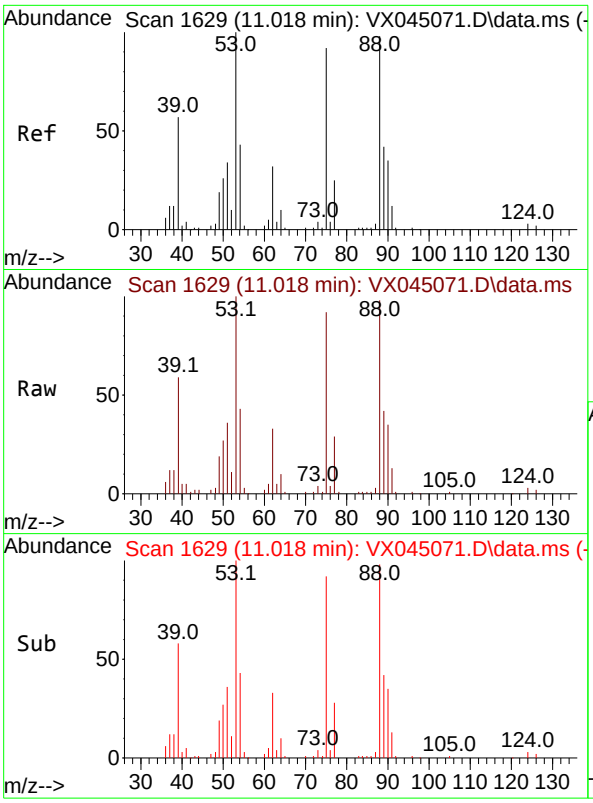


#80
1,3,5-Trimethylbenzene
Concen: 51.613 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:105 Resp: 241129

Ion	Ratio	Lower	Upper
105	100		
120	48.1	24.1	72.2



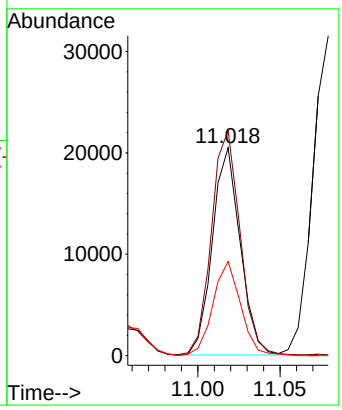


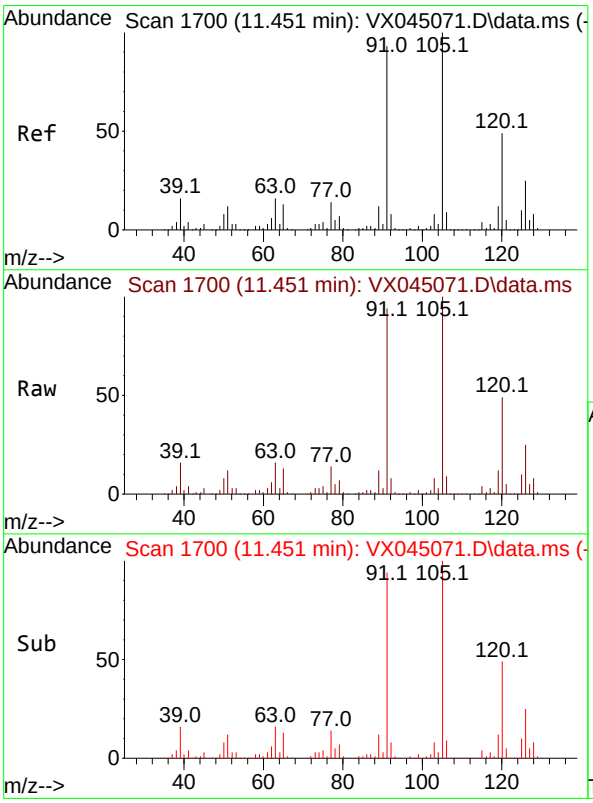
#81
trans-1,4-Dichloro-2-butene
Concen: 41.172 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

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

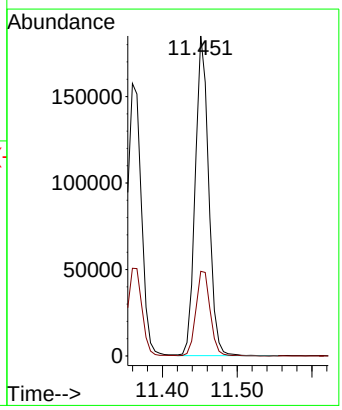


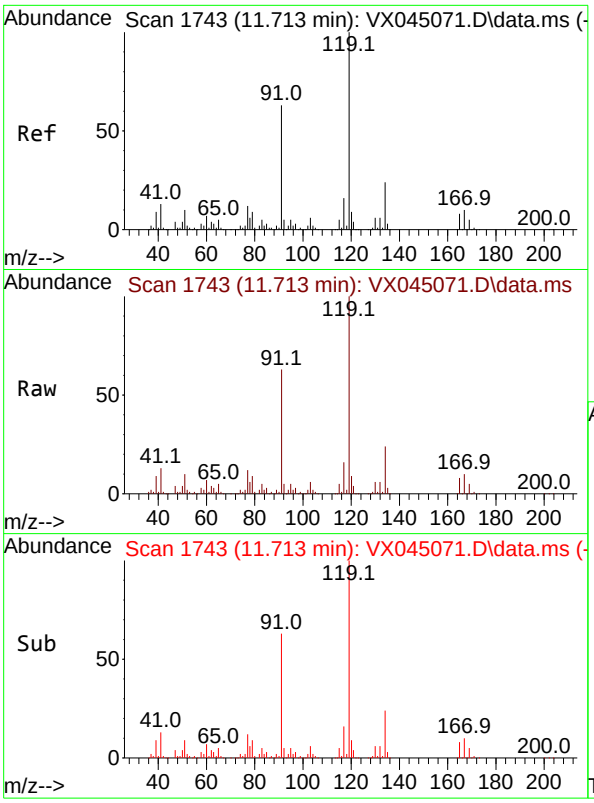


#82
4-Chlorotoluene
Concen: 51.072 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 91 Resp: 230493

Ion	Ratio	Lower	Upper
91	100		
126	28.3	14.1	42.4



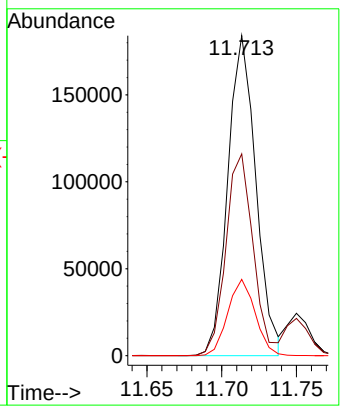


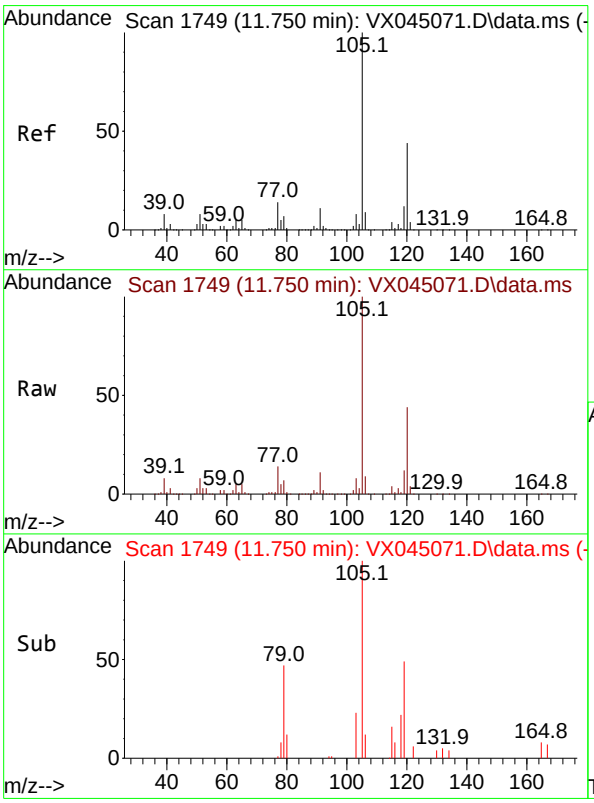
#83
tert-Butylbenzene
Concen: 50.895 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

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

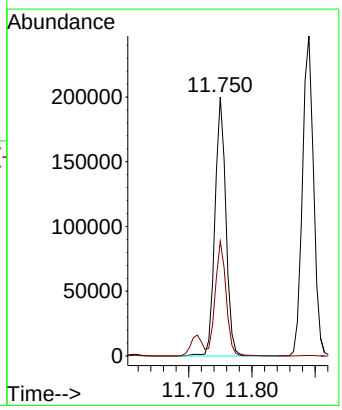


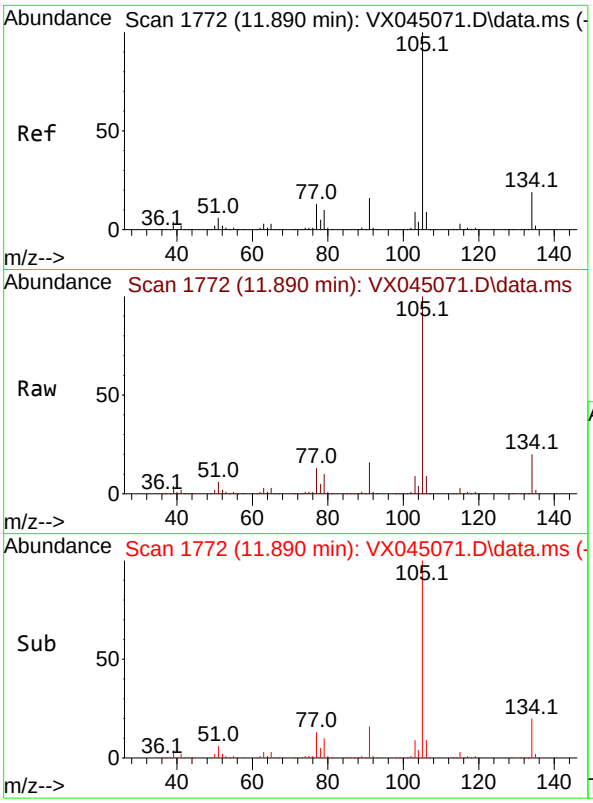


#84
1,2,4-Trimethylbenzene
Concen: 52.326 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:105 Resp: 240719

Ion	Ratio	Lower	Upper
105	100		
120	44.1	22.1	66.1



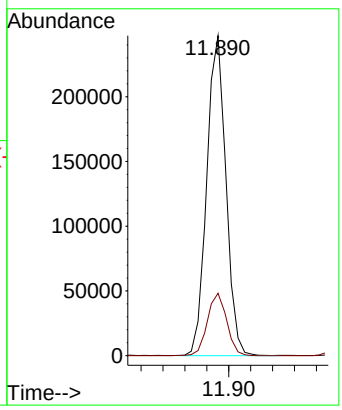


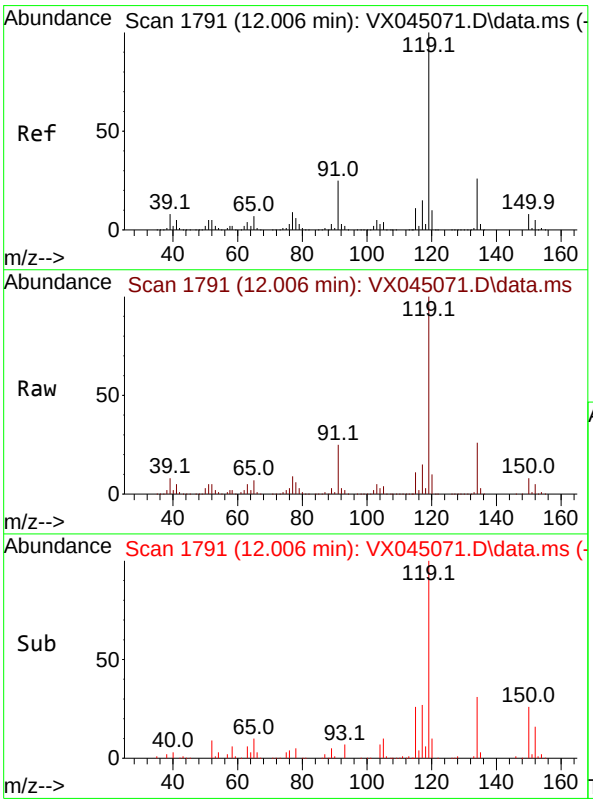
#85
sec-Butylbenzene
Concen: 51.353 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:105 Resp: 300393

Ion	Ratio	Lower	Upper
105	100		
134	19.6	9.8	29.4

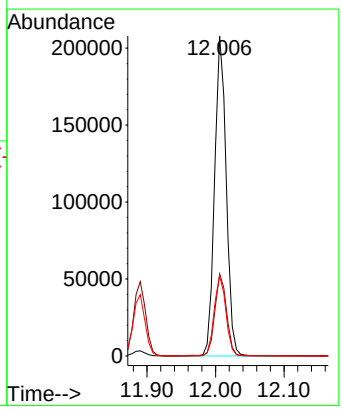


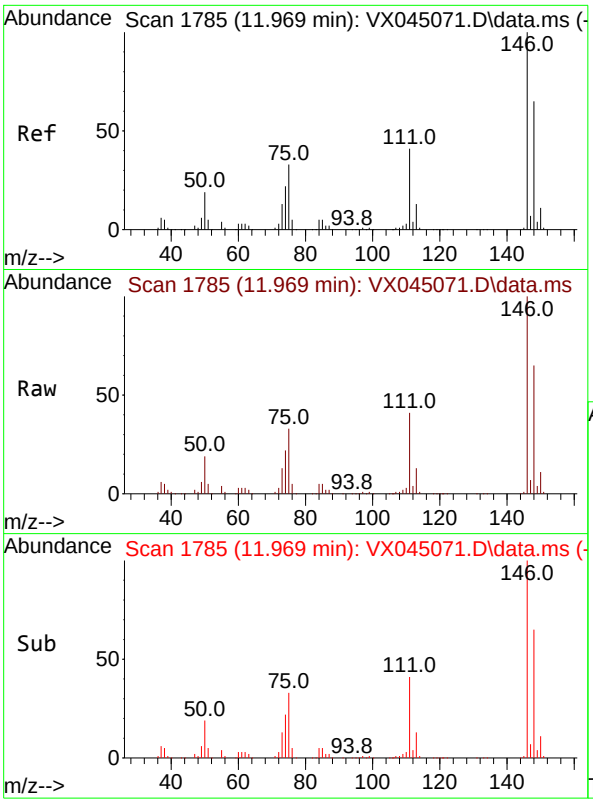


#86
p-Isopropyltoluene
Concen: 51.964 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

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



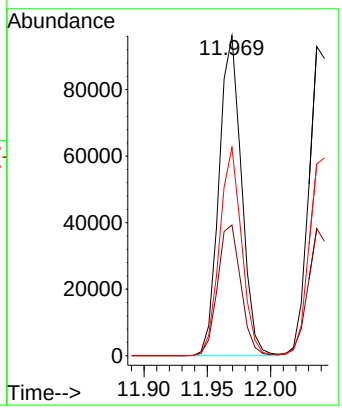


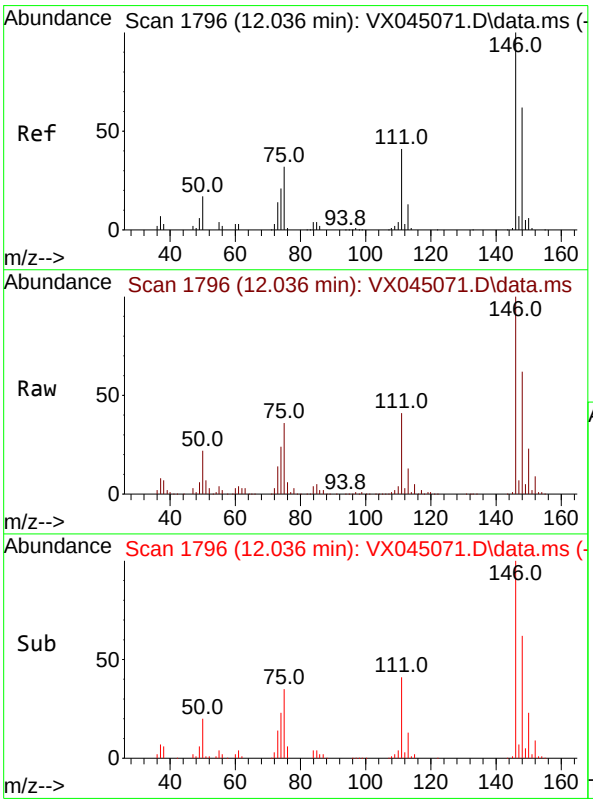
#87
1,3-Dichlorobenzene
Concen: 49.747 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

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

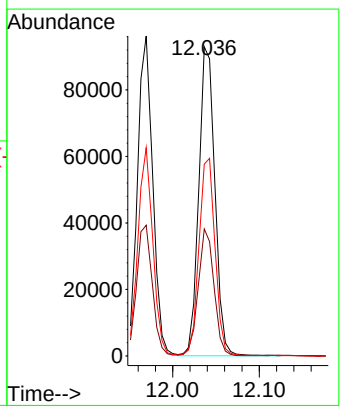


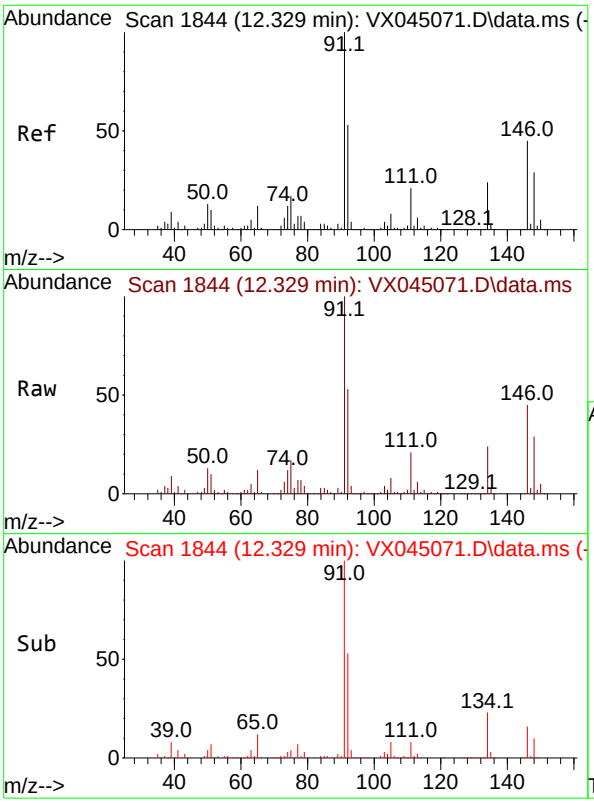


#88
1,4-Dichlorobenzene
Concen: 49.694 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

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



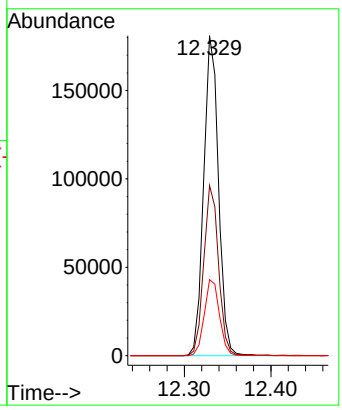


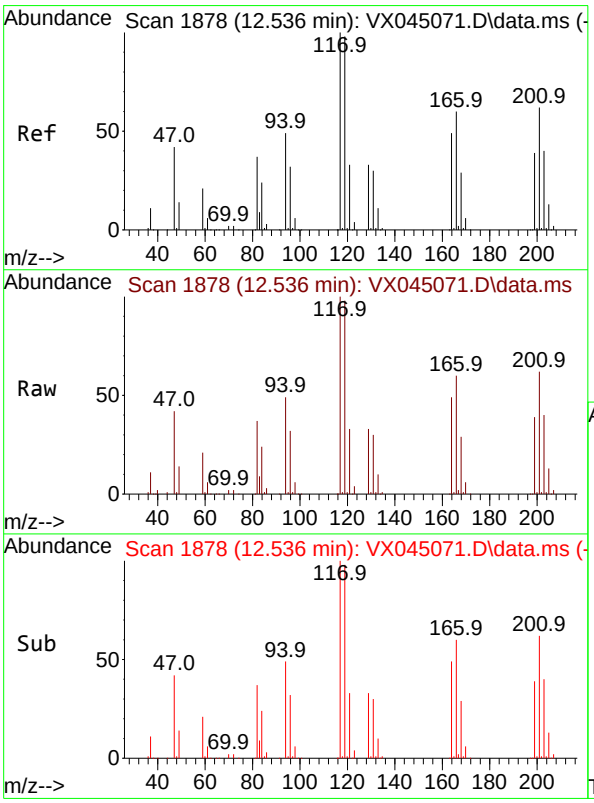
#89
n-Butylbenzene
Concen: 52.006 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

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

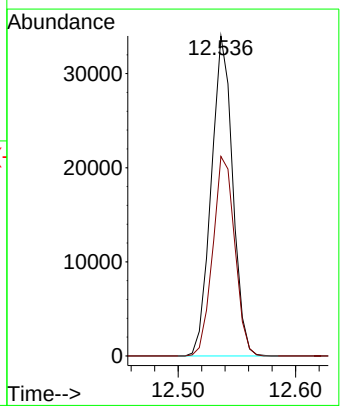


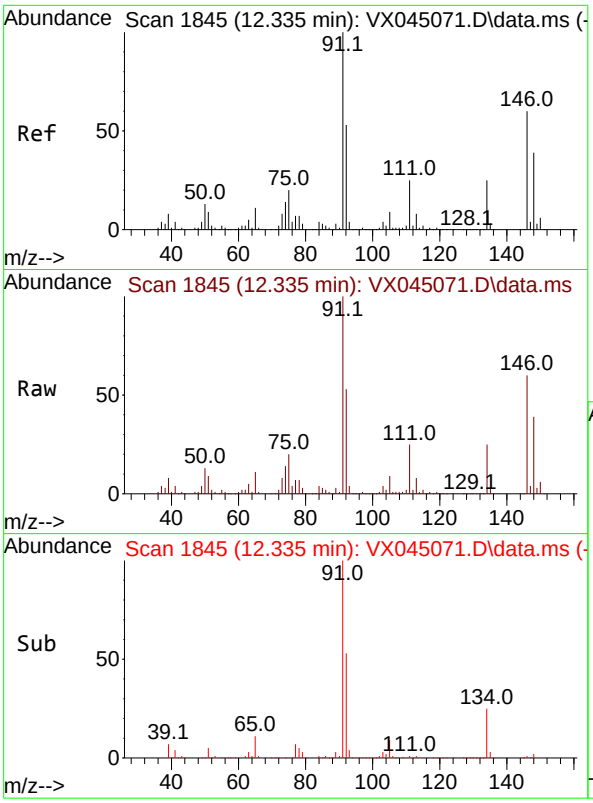


#90
Hexachloroethane
Concen: 49.188 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:117 Resp: 43086

Ion	Ratio	Lower	Upper
117	100		
201	63.9	31.9	95.9



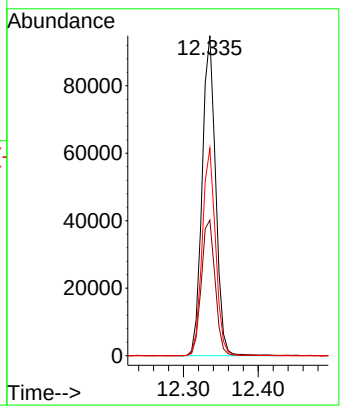


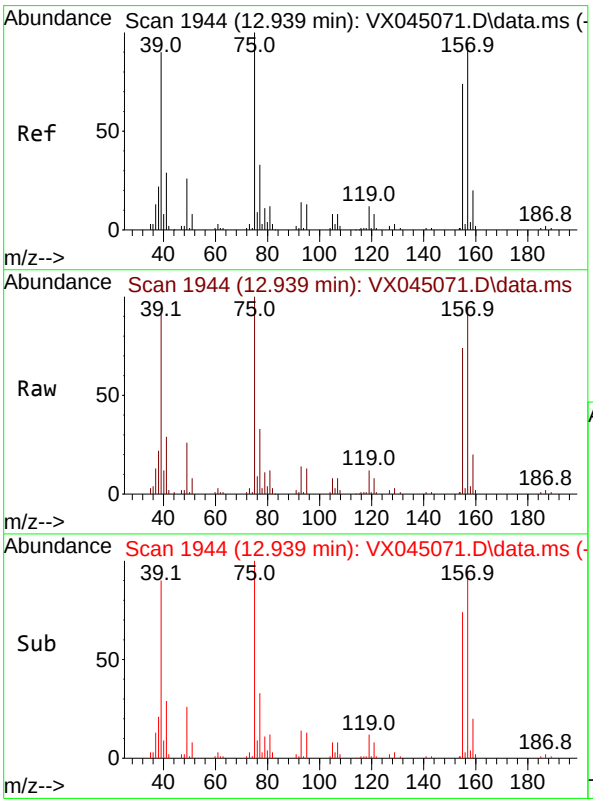
#91
1,2-Dichlorobenzene
Concen: 50.557 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

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

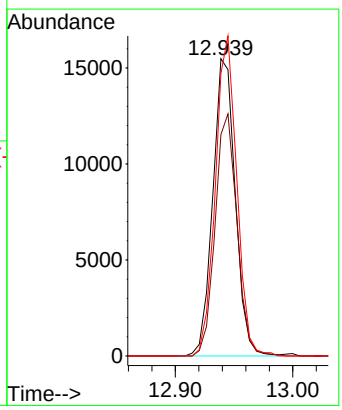


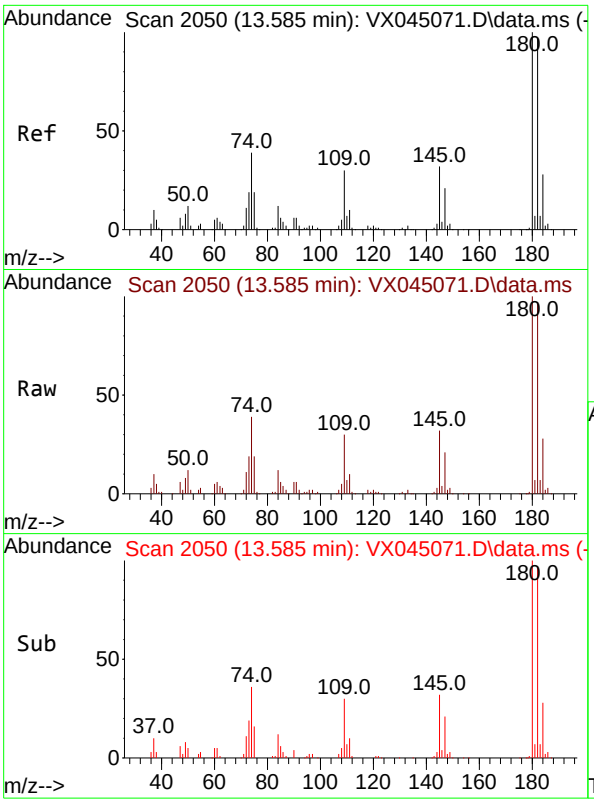


#92
1,2-Dibromo-3-Chloropropane
Concen: 56.123 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

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



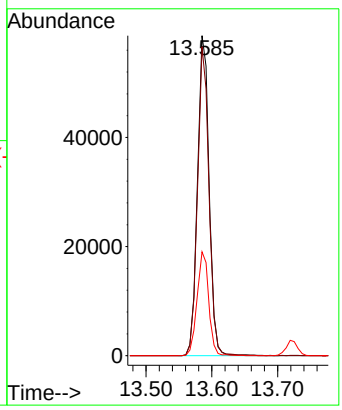


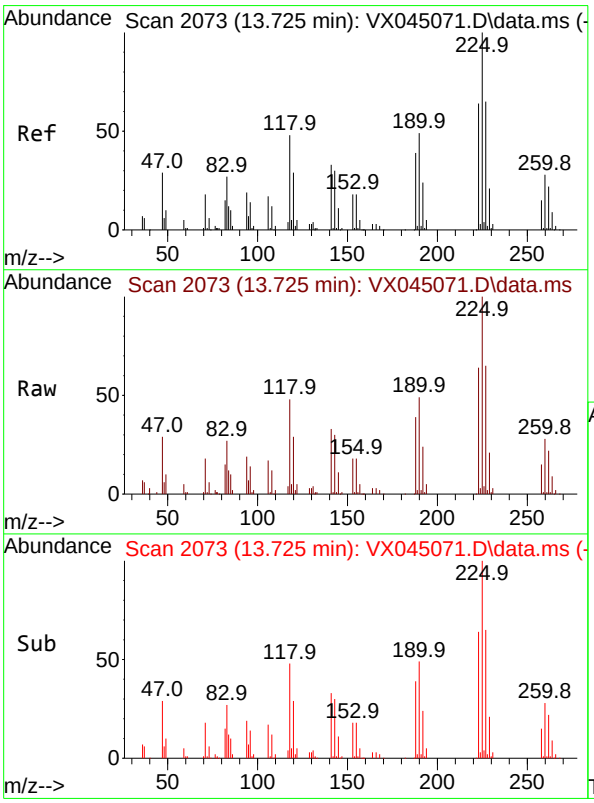
#93
1,2,4-Trichlorobenzene
Concen: 50.571 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

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

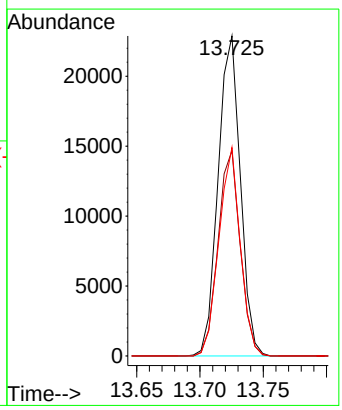


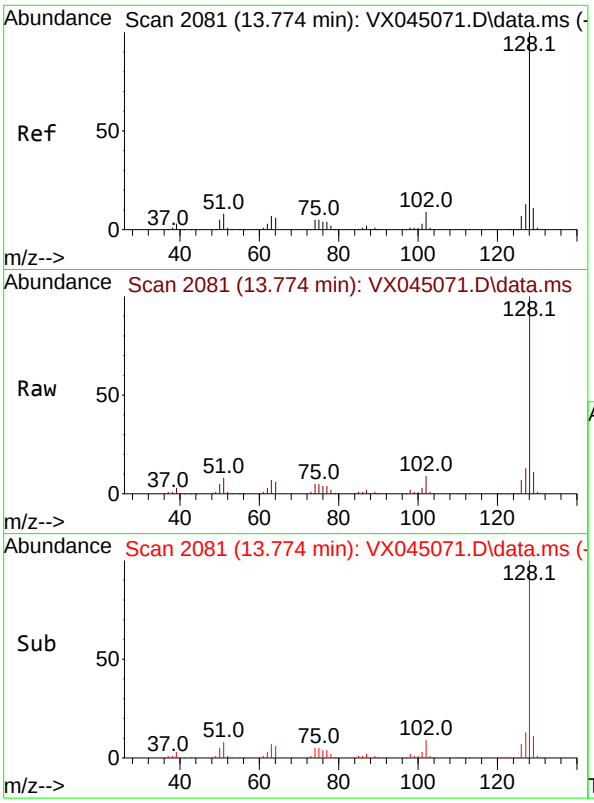


#94
Hexachlorobutadiene
Concen: 49.245 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

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



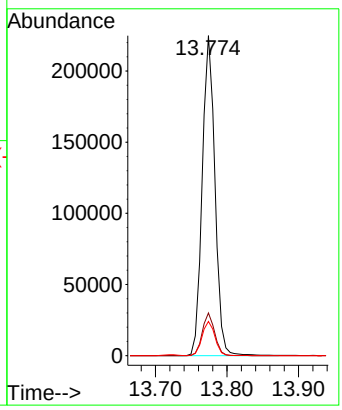


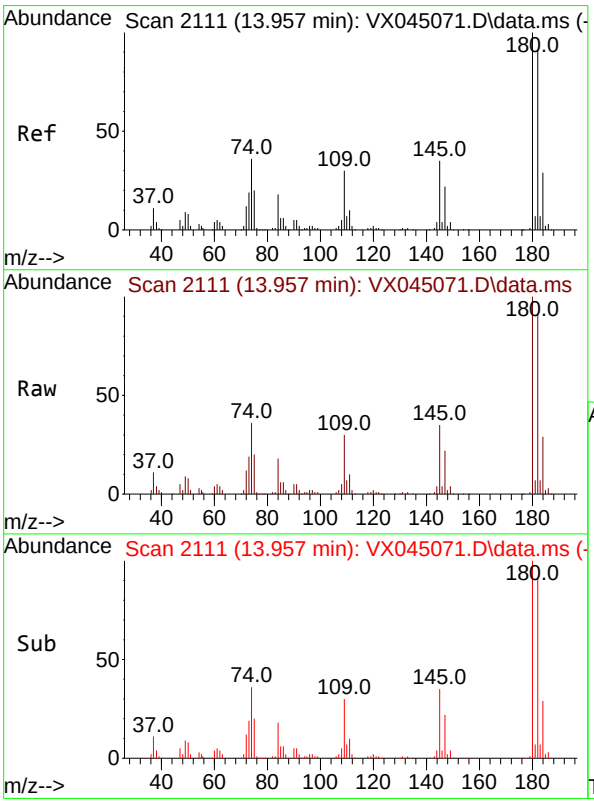
#95
Naphthalene
Concen: 53.700 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

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

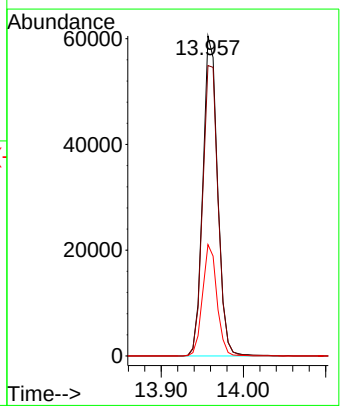




#96
1,2,3-Trichlorobenzene
Concen: 52.406 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

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

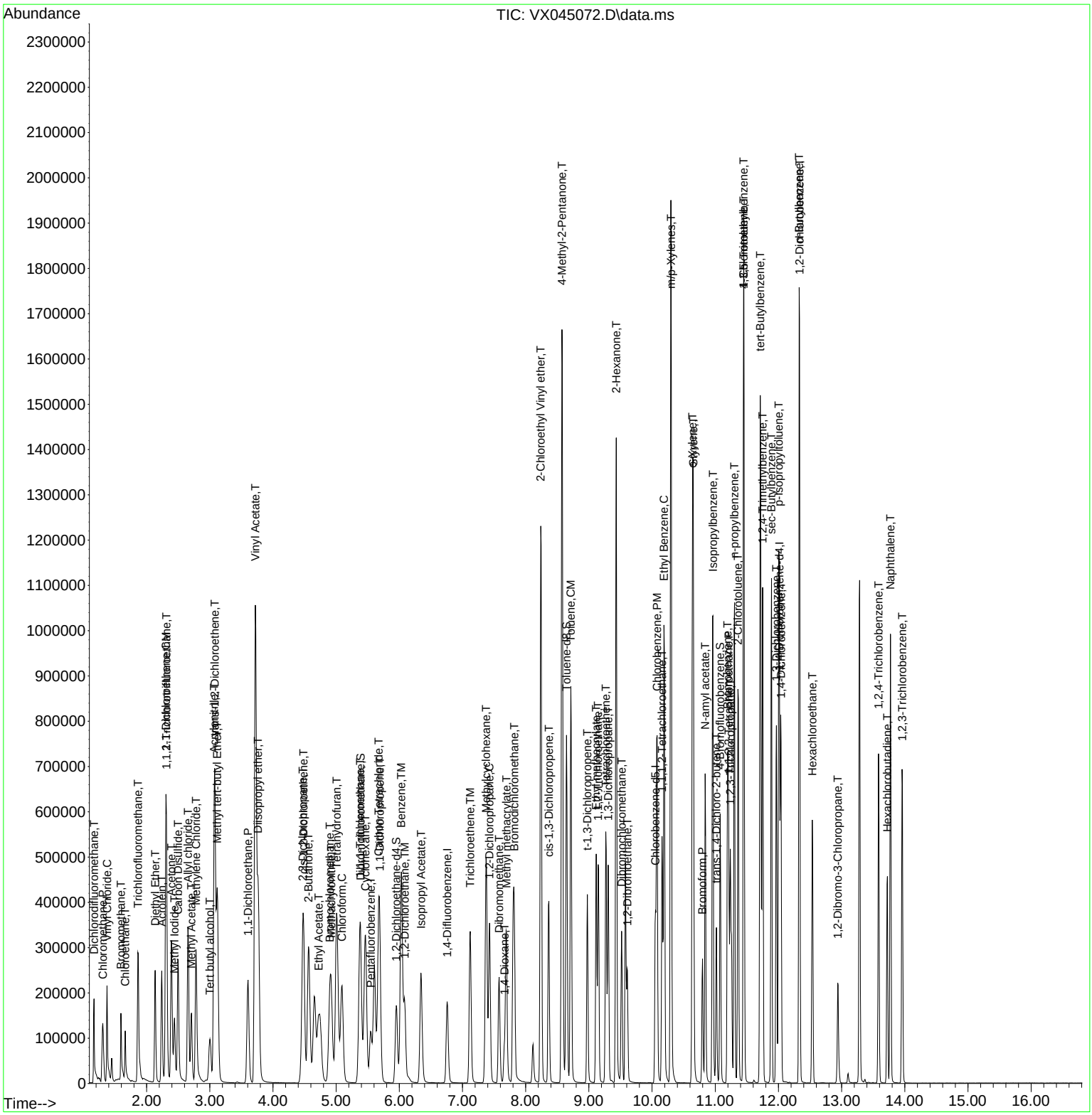
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

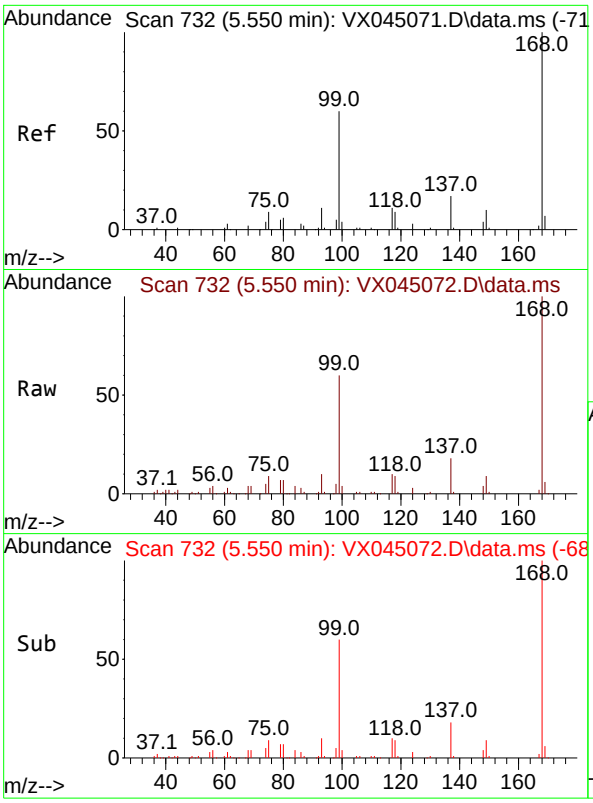
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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



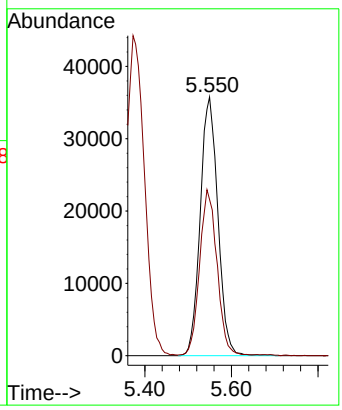


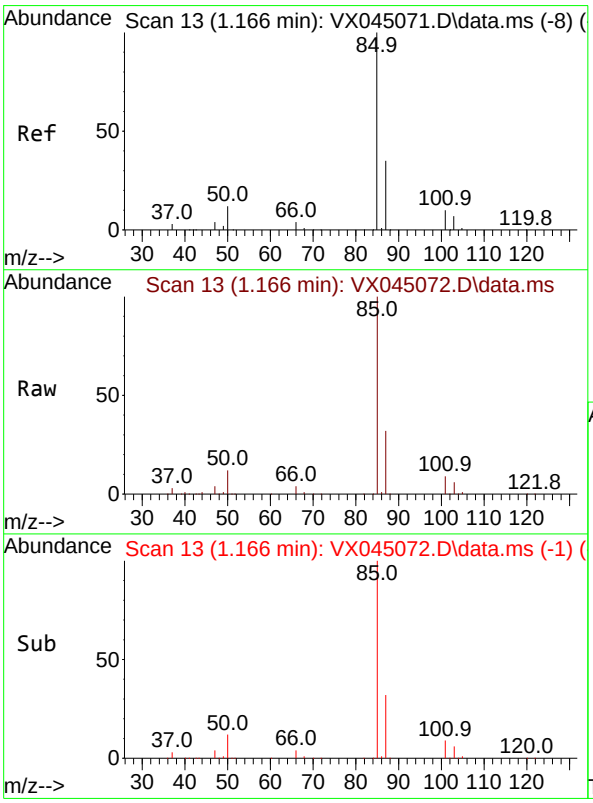
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:168 Resp: 101178

Ion	Ratio	Lower	Upper
168	100		
99	60.2	48.2	72.4

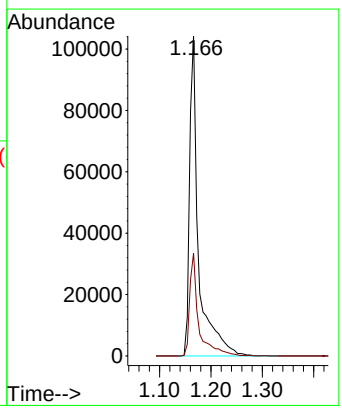


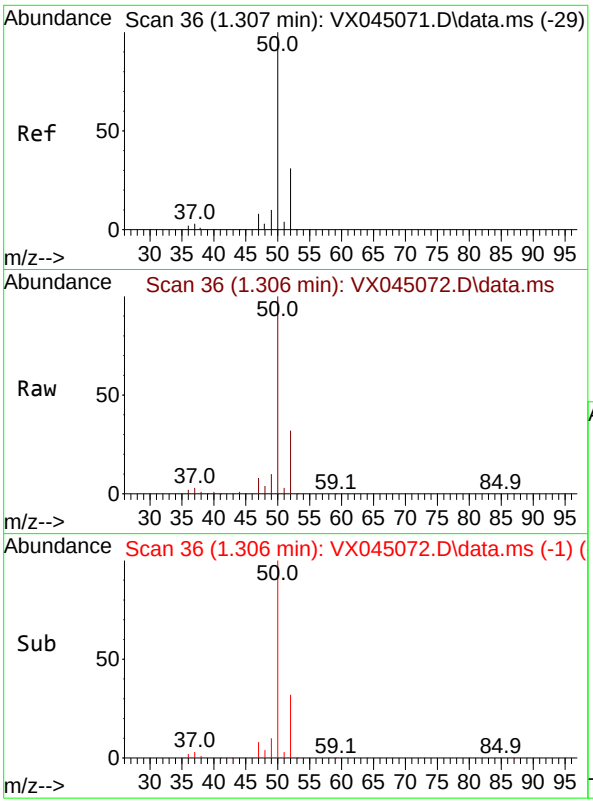


#2
Dichlorodifluoromethane
Concen: 90.869 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 85 Resp: 126718

Ion	Ratio	Lower	Upper
85	100		
87	32.1	17.4	52.3



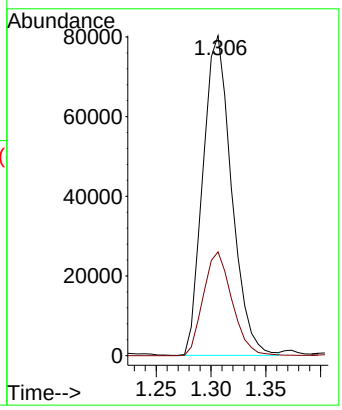


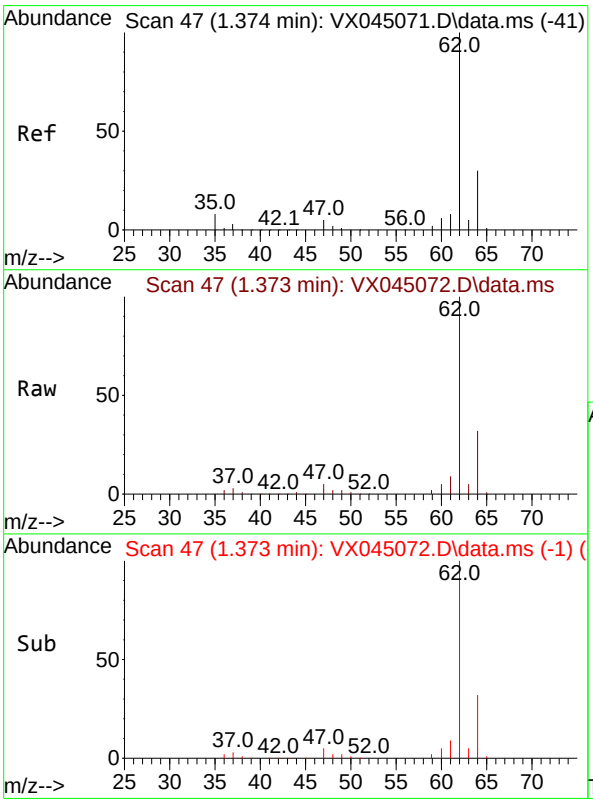
#3
Chloromethane
Concen: 85.936 ug/l
RT: 1.306 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 50 Resp: 145825

Ion	Ratio	Lower	Upper
50	100		
52	32.5	25.0	37.4

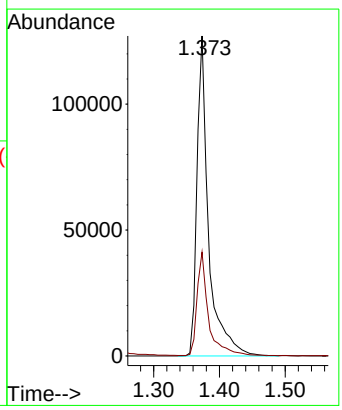


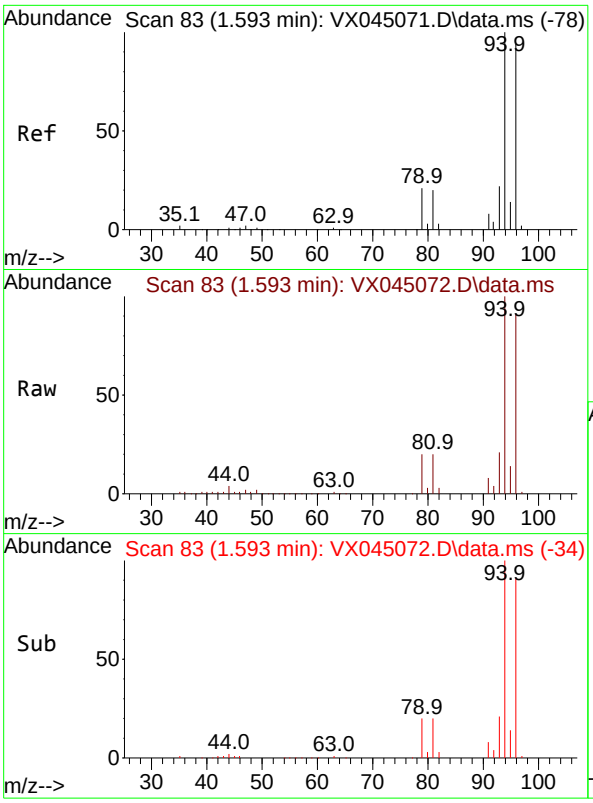


#4
Vinyl Chloride
Concen: 93.360 ug/l
RT: 1.373 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 62 Resp: 154734

Ion	Ratio	Lower	Upper
62	100		
64	32.4	24.3	36.5



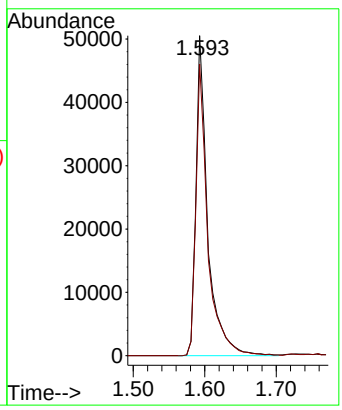


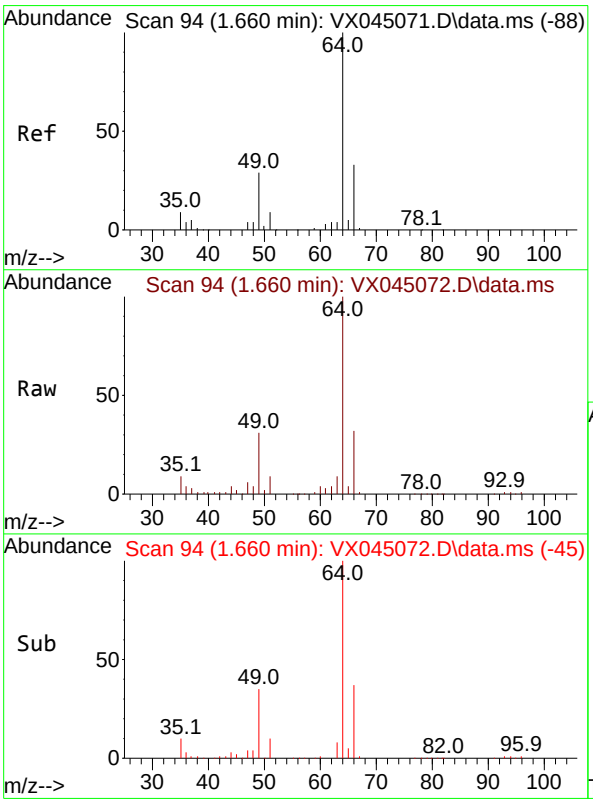
#5
Bromomethane
Concen: 110.980 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 94 Resp: 57503

Ion	Ratio	Lower	Upper
94	100		
96	91.2	75.0	112.4

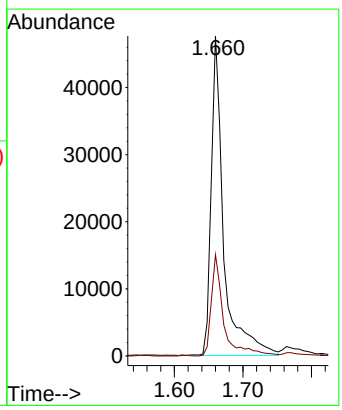


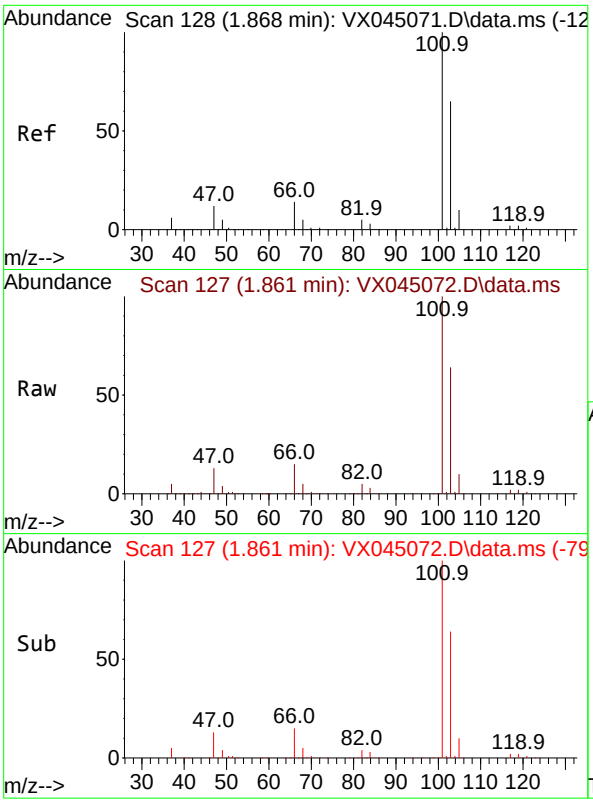


#6
Chloroethane
Concen: 95.351 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 64 Resp: 60155

Ion	Ratio	Lower	Upper
64	100		
66	31.7	26.7	40.1



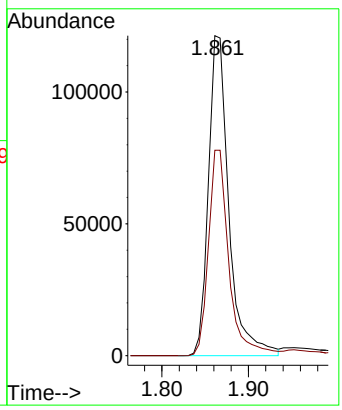


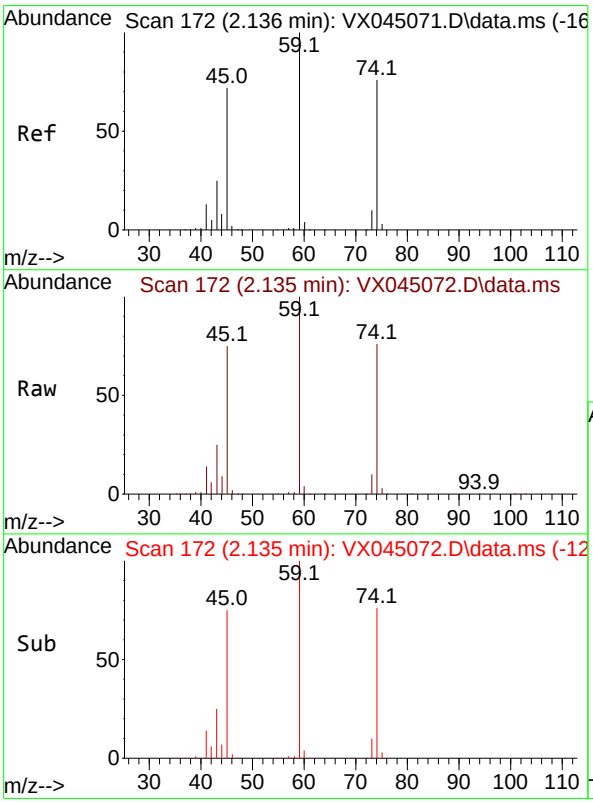
#7
Trichlorofluoromethane
Concen: 93.594 ug/l
RT: 1.861 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:101 Resp: 198701

Ion	Ratio	Lower	Upper
101	100		
103	64.2	52.1	78.1

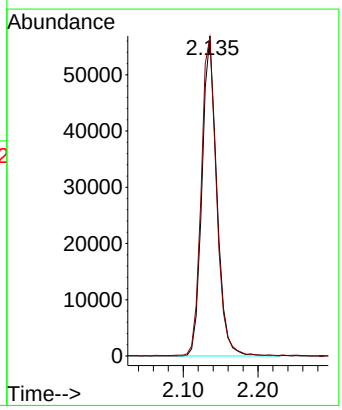


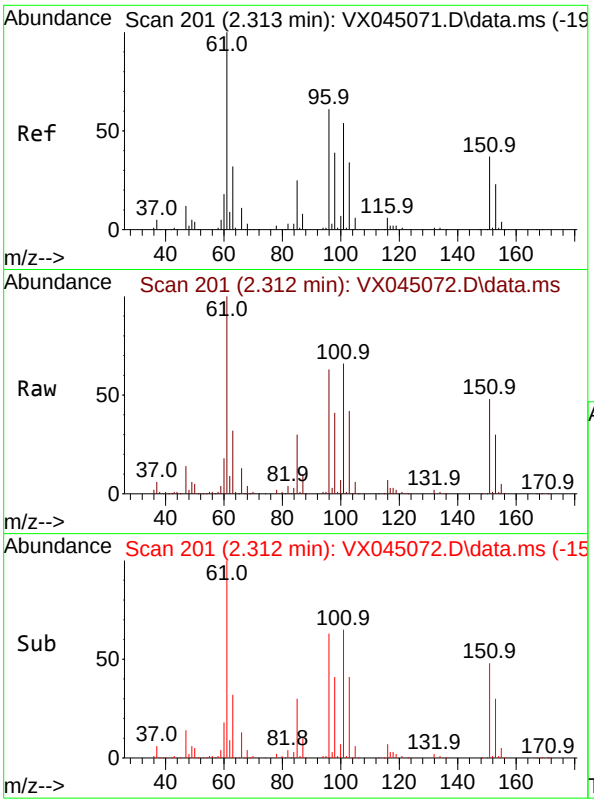


#8
Diethyl Ether
Concen: 101.441 ug/l
RT: 2.135 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 74 Resp: 78263

Ion	Ratio	Lower	Upper
74	100		
45	102.7	51.5	154.5



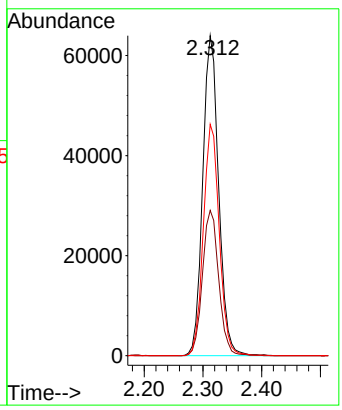


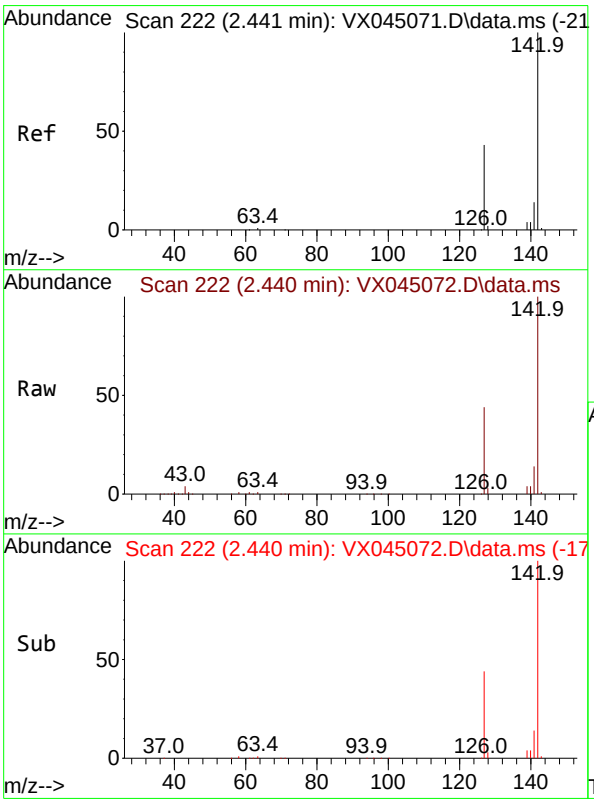
#9
1,1,2-Trichlorotrifluoroethane
Concen: 95.064 ug/l
RT: 2.312 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

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

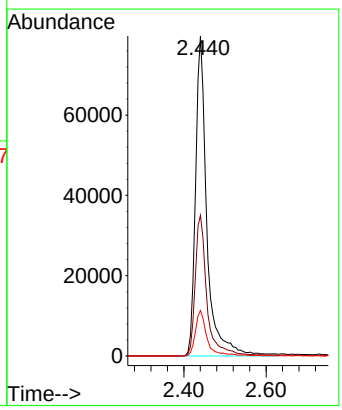


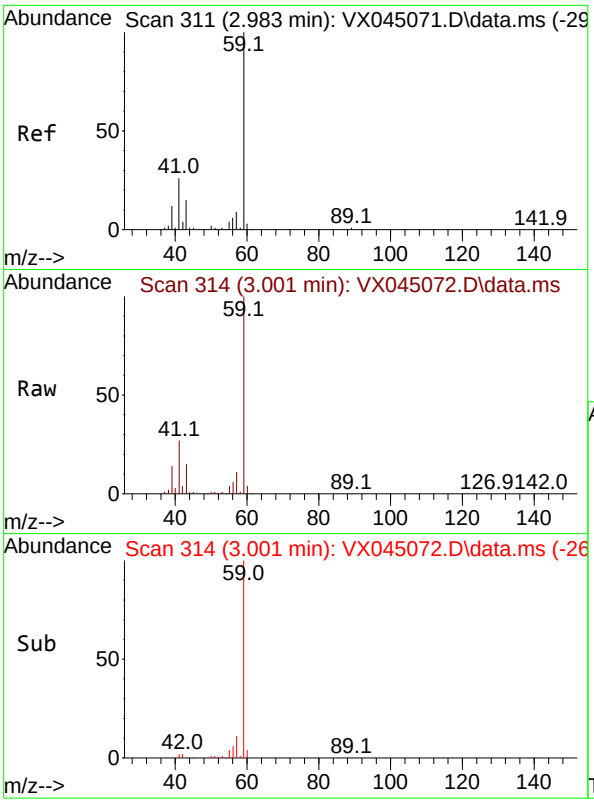


#10
Methyl Iodide
Concen: 94.425 ug/l
RT: 2.440 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

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



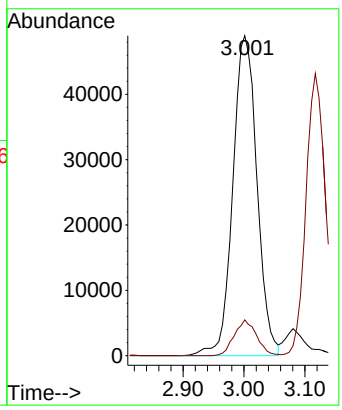


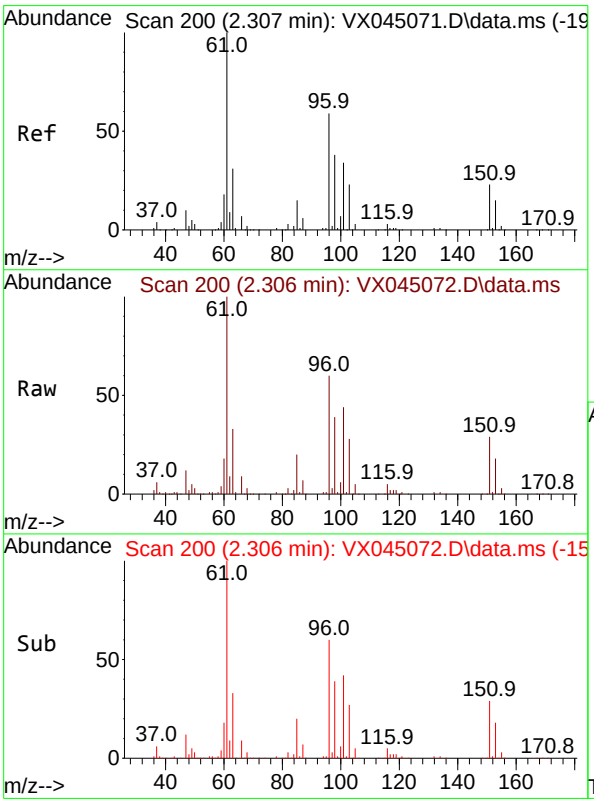
#11
Tert butyl alcohol
Concen: 493.141 ug/l
RT: 3.001 min Scan# 3
Delta R.T. 0.018 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 59 Resp: 135016

Ion	Ratio	Lower	Upper
59	100		
57	10.4	7.8	11.8

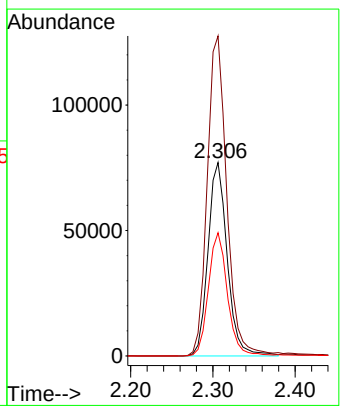


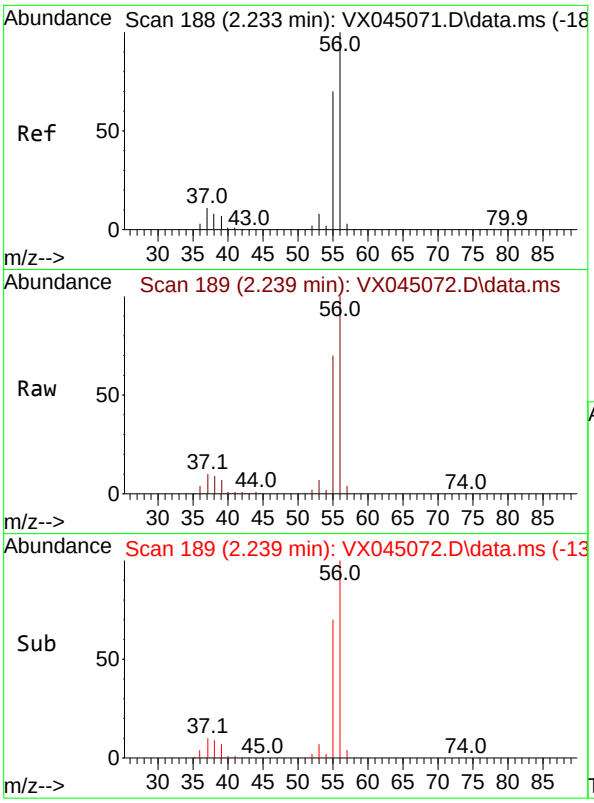


#12
1,1-Dichloroethene
Concen: 96.366 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

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



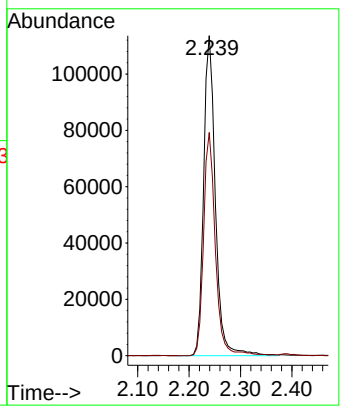


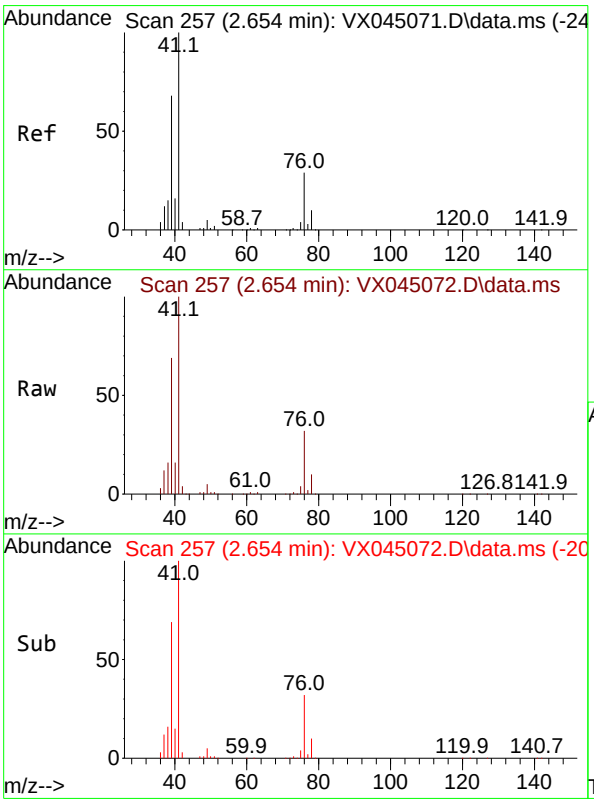
#13
Acrolein
Concen: 608.485 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 56 Resp: 180411

Ion	Ratio	Lower	Upper
56	100		
55	69.8	56.2	84.4

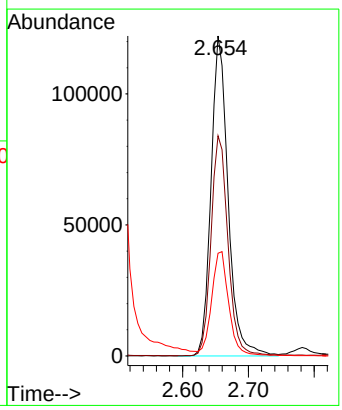


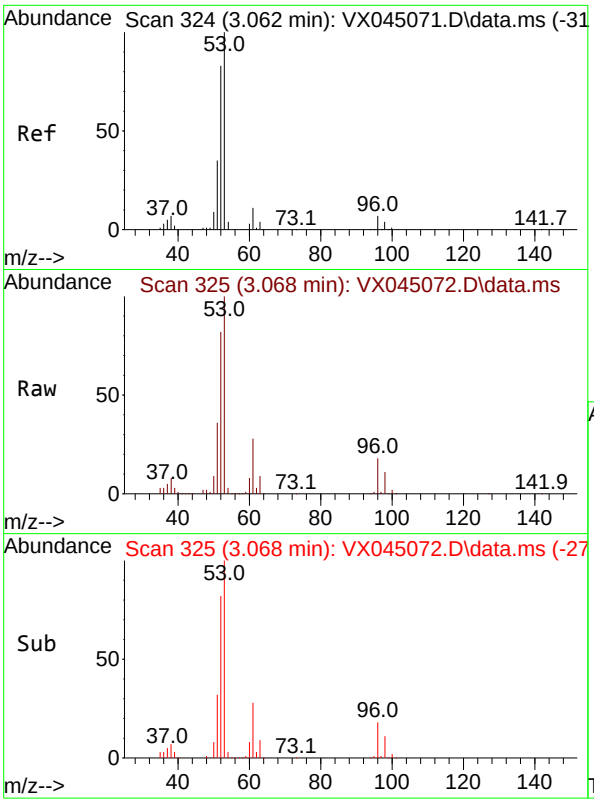


#14
Allyl chloride
Concen: 94.344 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

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



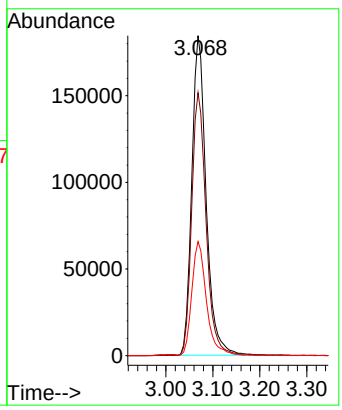


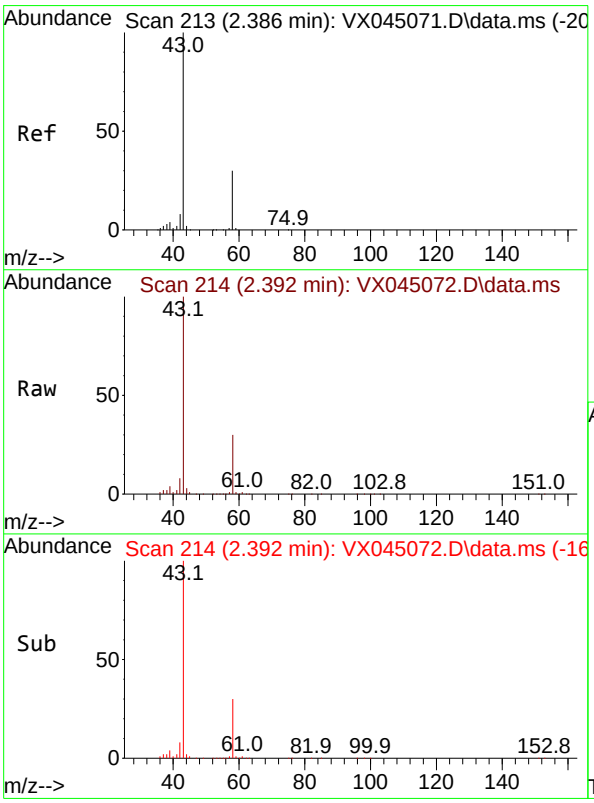
#15
Acrylonitrile
Concen: 526.749 ug/l
RT: 3.068 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

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

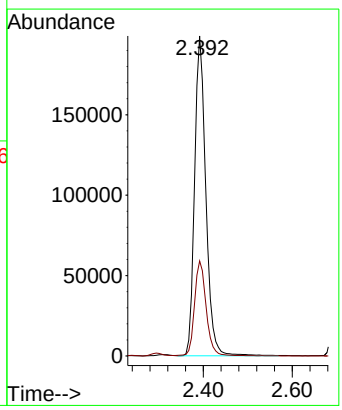


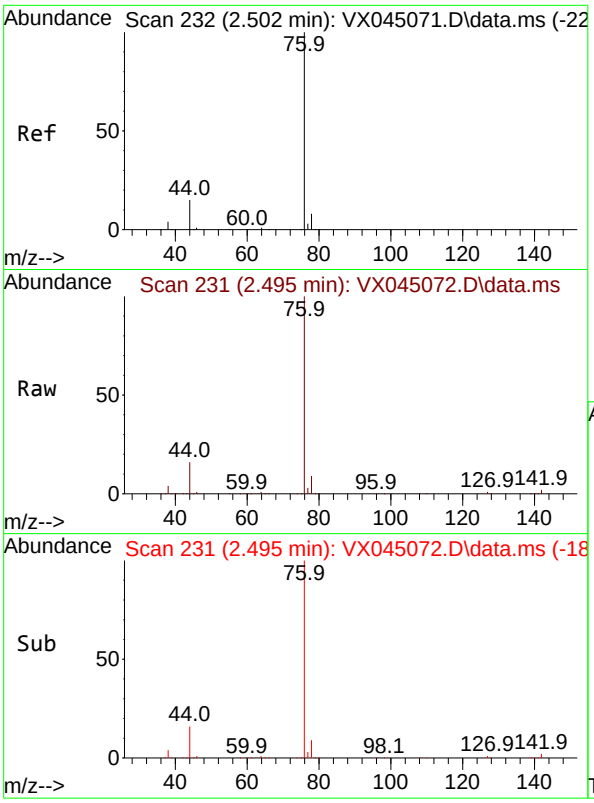


#16
Acetone
Concen: 566.991 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 43 Resp: 348698

Ion	Ratio	Lower	Upper
43	100		
58	29.7	24.2	36.4



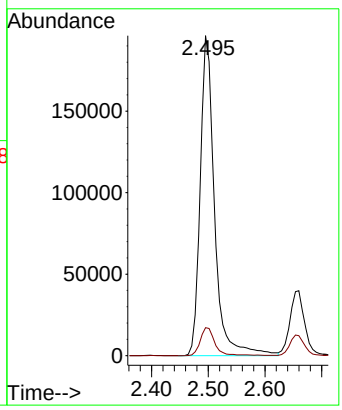


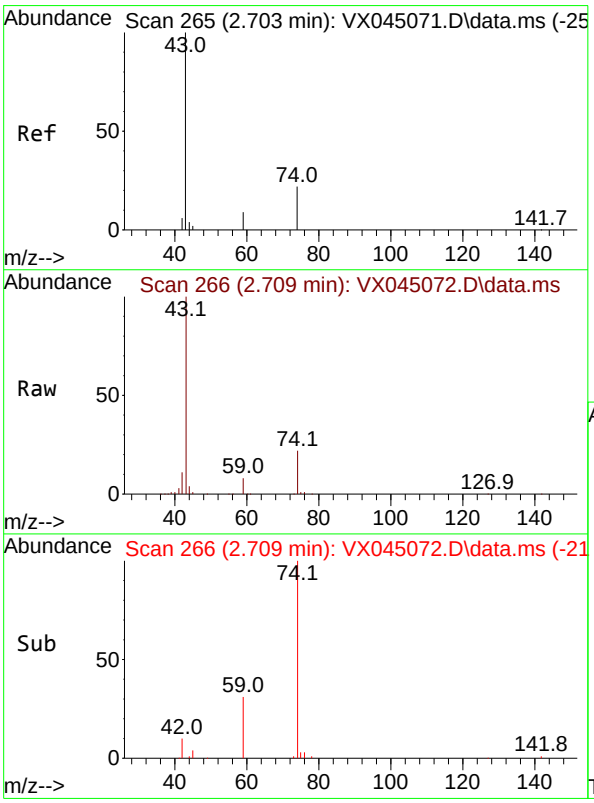
#17
Carbon Disulfide
Concen: 97.574 ug/l
RT: 2.495 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 76 Resp: 345572

Ion	Ratio	Lower	Upper
76	100		
78	8.7	6.6	9.8

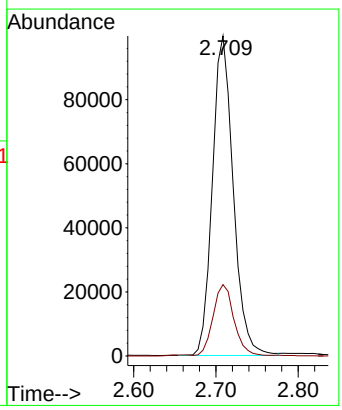


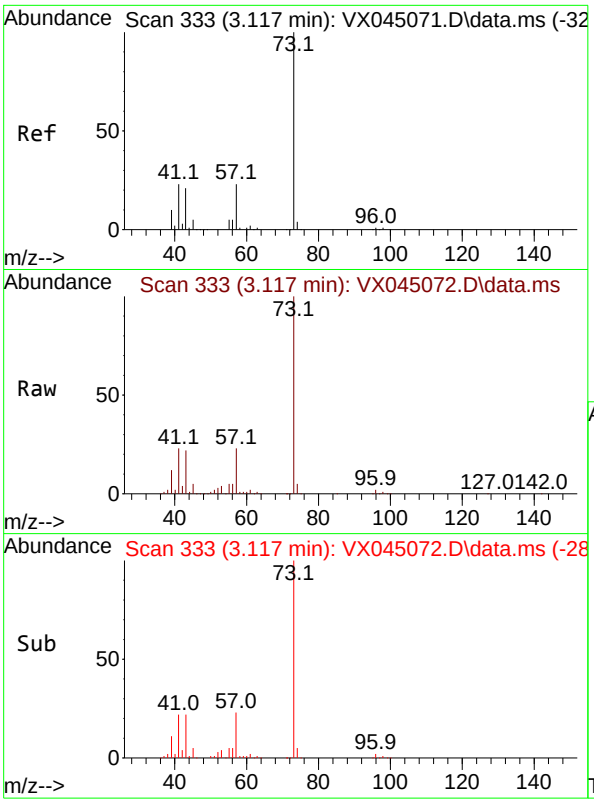


#18
Methyl Acetate
Concen: 94.899 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 43 Resp: 175784

Ion	Ratio	Lower	Upper
43	100		
74	22.7	17.4	26.2



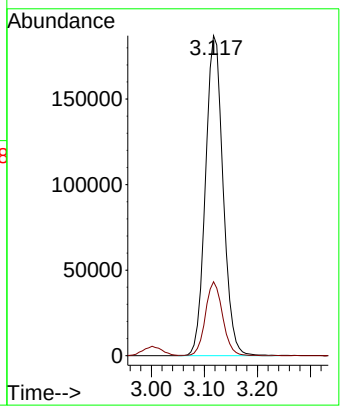


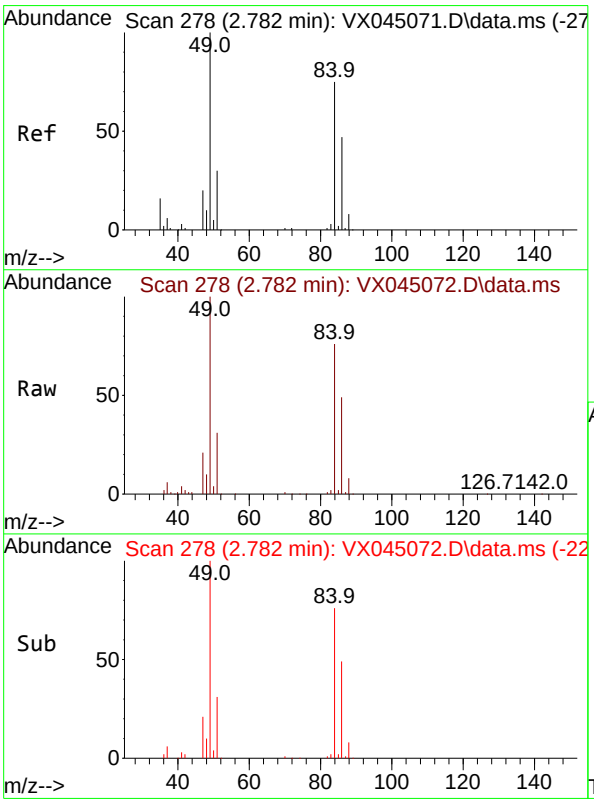
#19
Methyl tert-butyl Ether
Concen: 103.661 ug/l
RT: 3.117 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 73 Resp: 431413

Ion	Ratio	Lower	Upper
73	100		
57	23.0	18.5	27.7

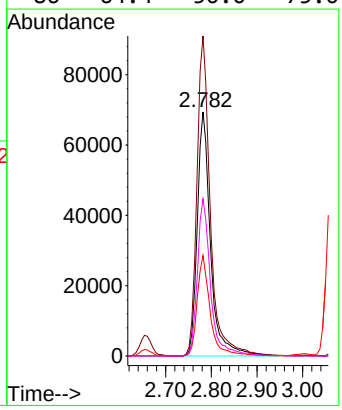


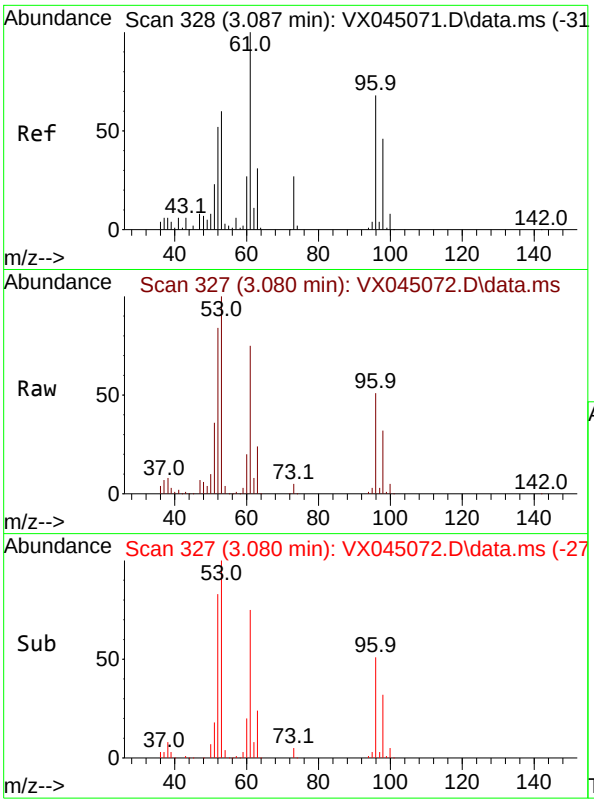


#20
Methylene Chloride
Concen: 96.381 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

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



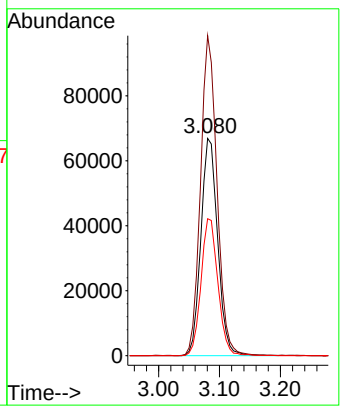


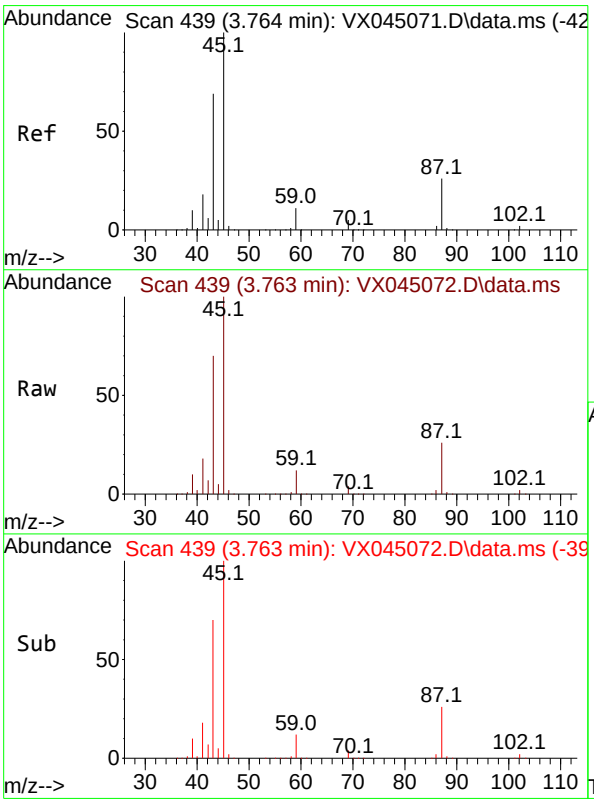
#21
trans-1,2-Dichloroethene
Concen: 100.164 ug/l
RT: 3.080 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

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

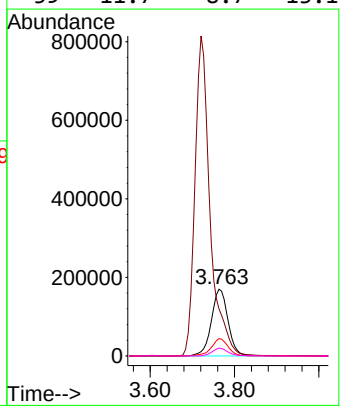


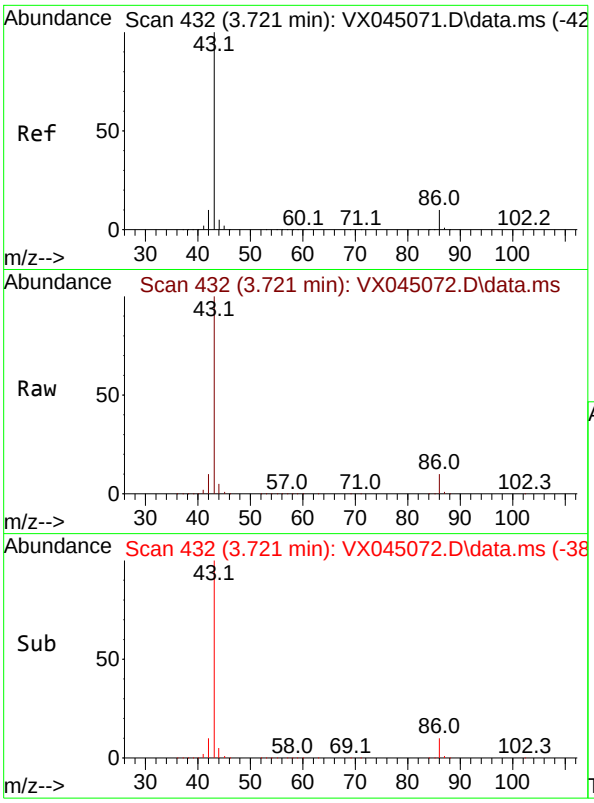


#22
Diisopropyl ether
Concen: 104.489 ug/l
RT: 3.763 min Scan# 439
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

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



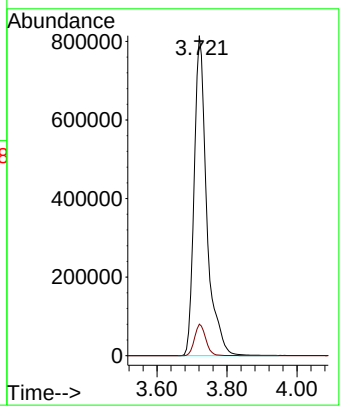


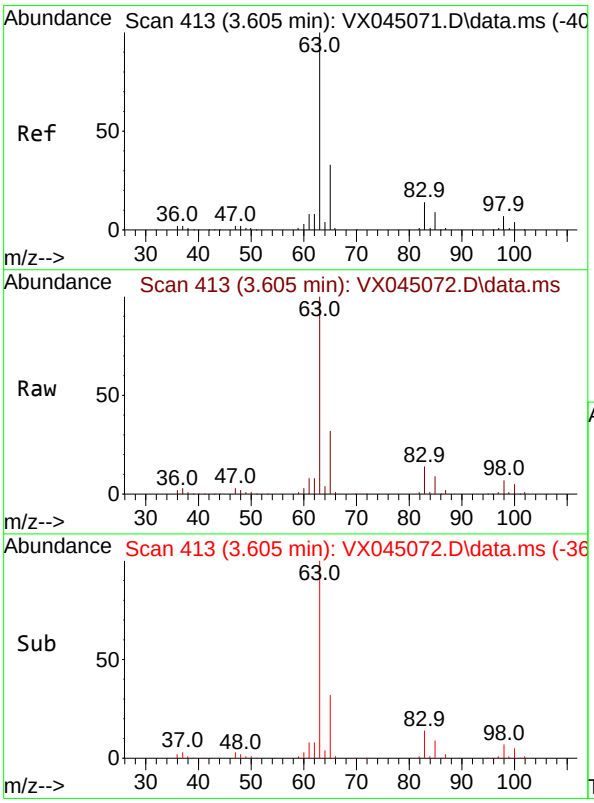
#23
Vinyl Acetate
Concen: 554.219 ug/l
RT: 3.721 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 2035880

Ion	Ratio	Lower	Upper
43	100		
86	9.9	8.1	12.1

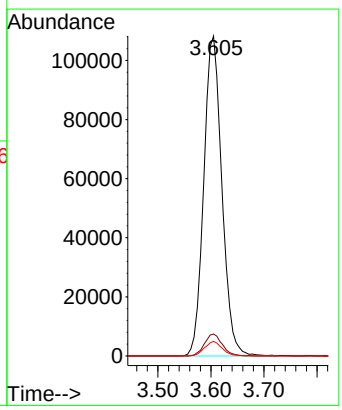


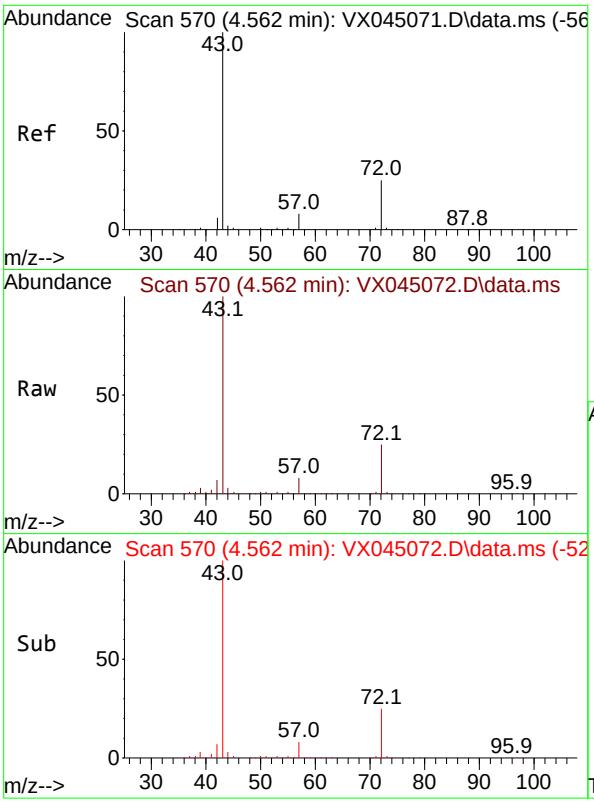


#24
1,1-Dichloroethane
Concen: 102.805 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

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



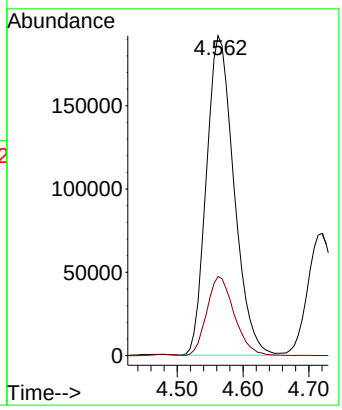


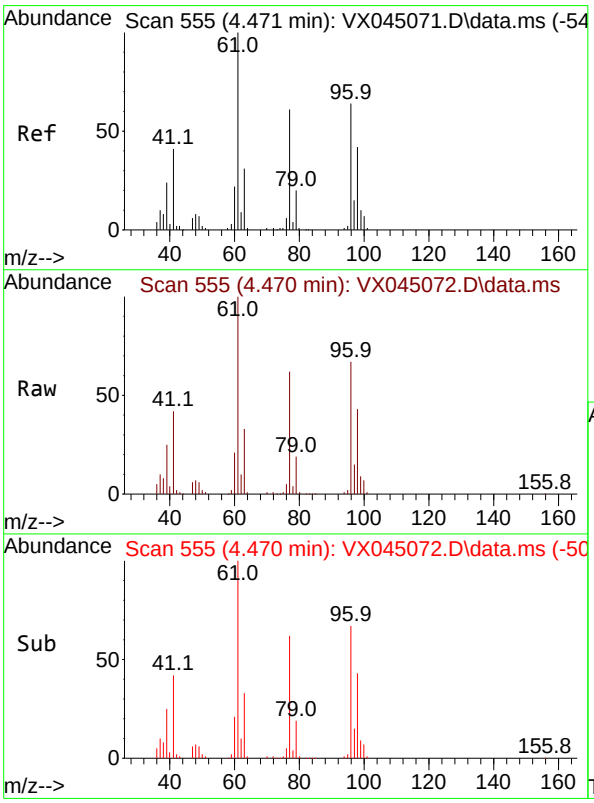
#25
2-Butanone
Concen: 563.952 ug/l
RT: 4.562 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 559182

Ion	Ratio	Lower	Upper
43	100		
72	24.6	20.0	30.0

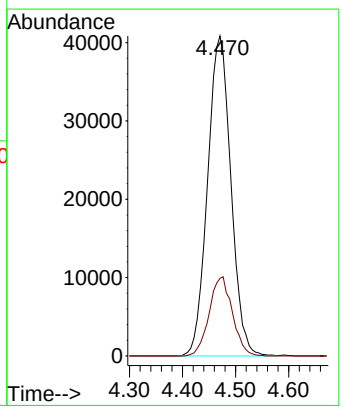


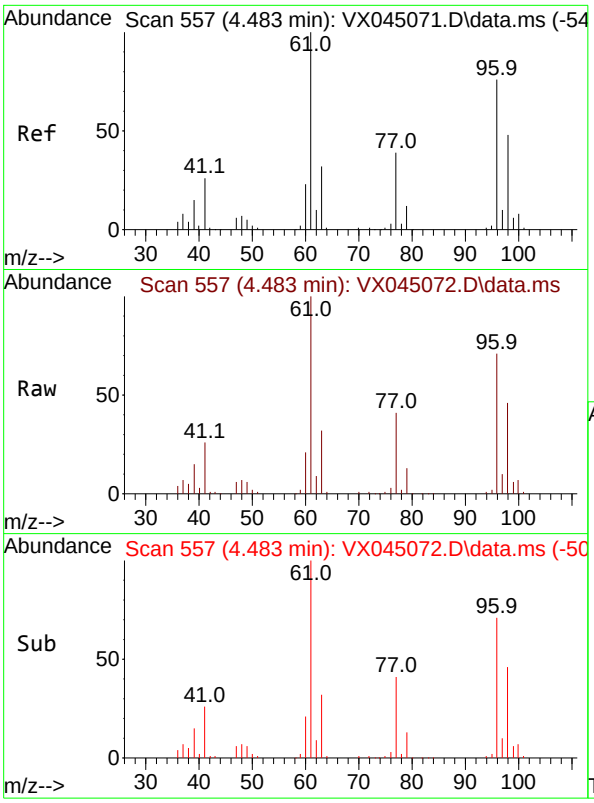


#26
2,2-Dichloropropane
Concen: 67.148 ug/l
RT: 4.470 min Scan# 555
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 77 Resp: 124805

Ion	Ratio	Lower	Upper
77	100		
97	24.6	12.4	37.0



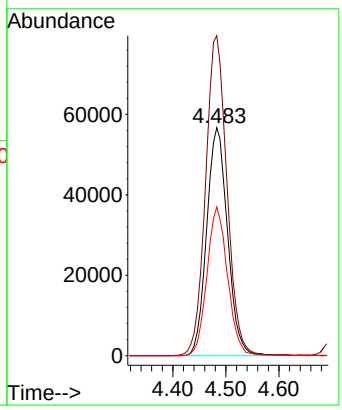


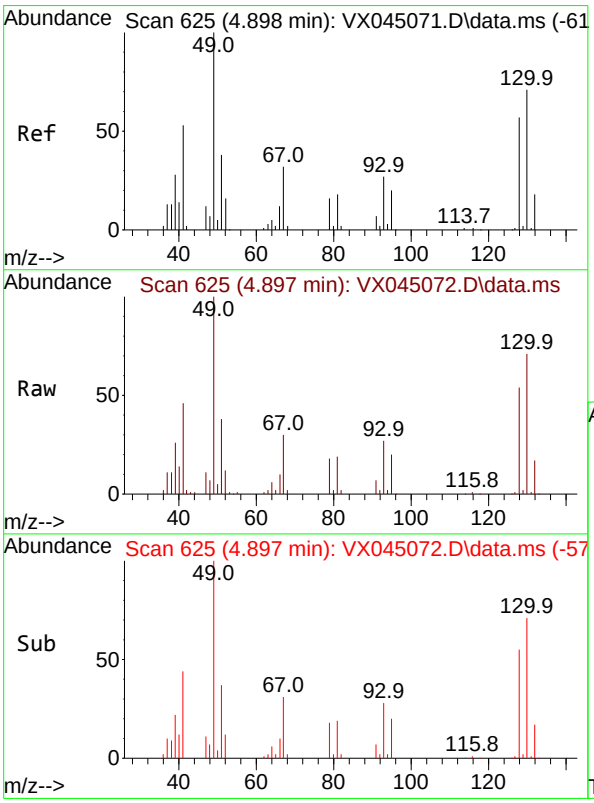
#27
cis-1,2-Dichloroethene
Concen: 100.568 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

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

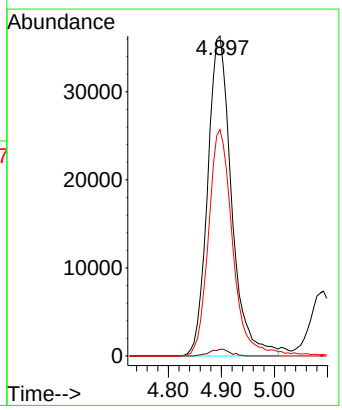


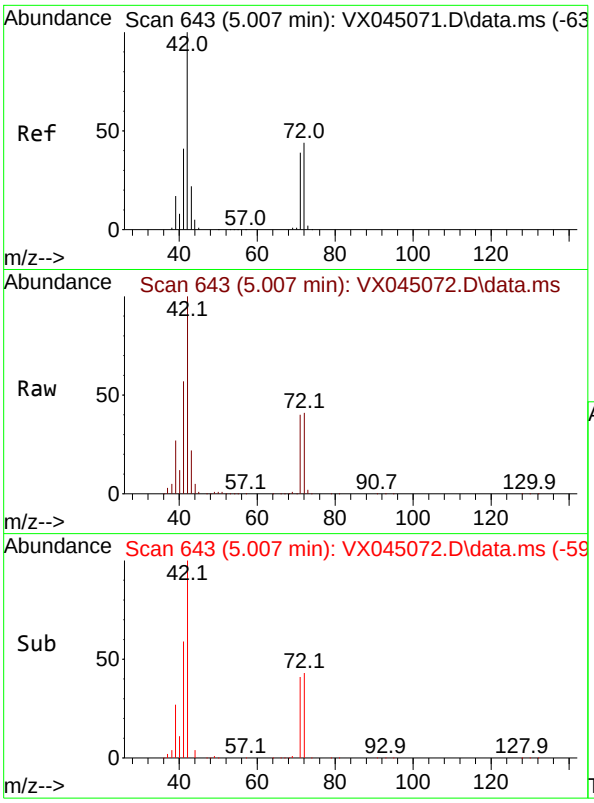


#28
Bromochloromethane
Concen: 94.428 ug/l
RT: 4.897 min Scan# 625
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

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



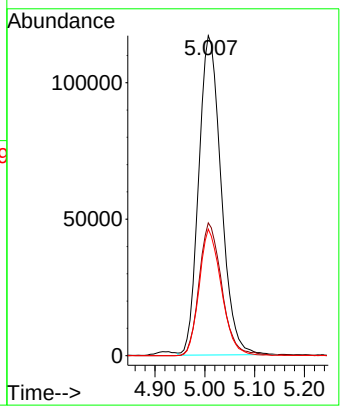


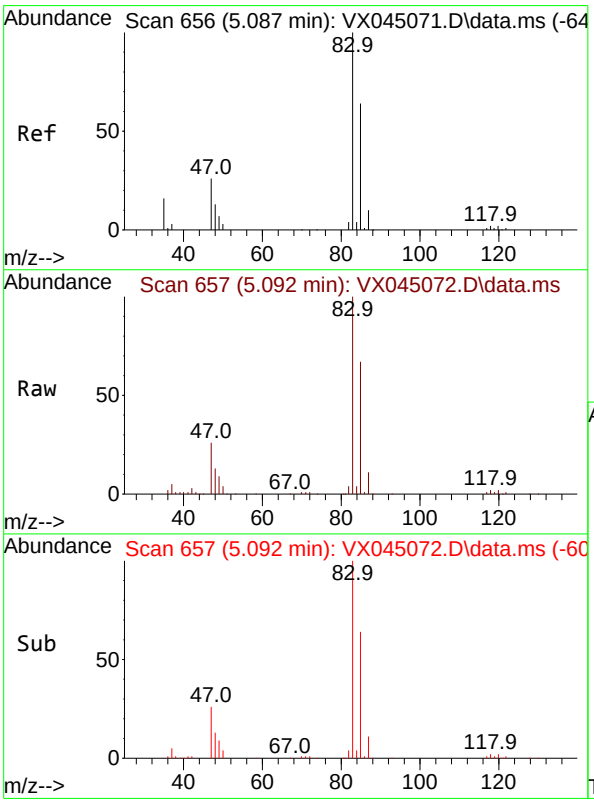
#29
Tetrahydrofuran
Concen: 556.465 ug/l
RT: 5.007 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

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

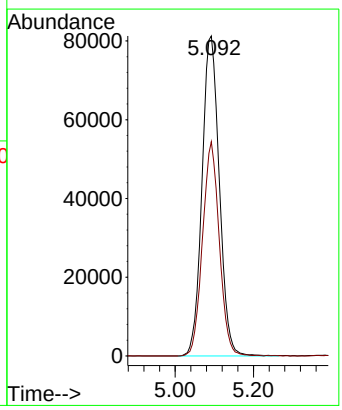


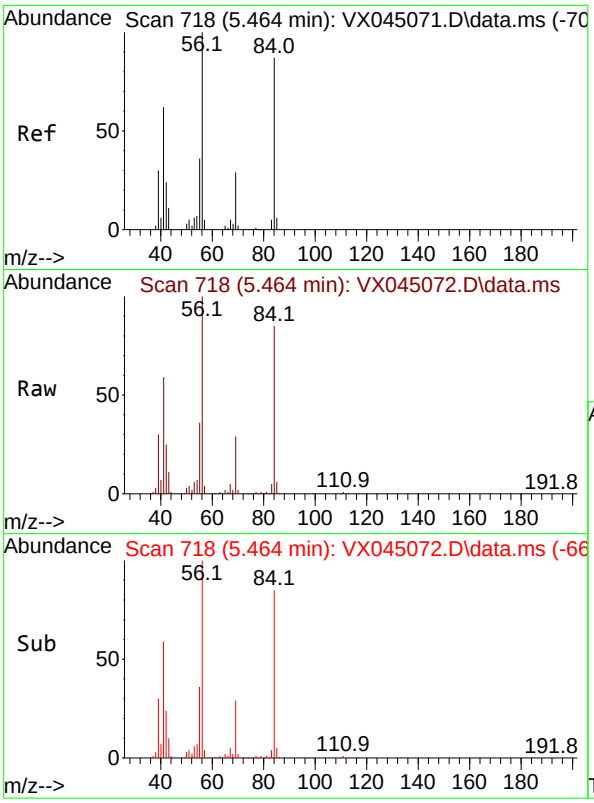


#30
Chloroform
Concen: 101.814 ug/l
RT: 5.092 min Scan# 657
Delta R.T. 0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 83 Resp: 248978

Ion	Ratio	Lower	Upper
83	100		
85	66.9	51.4	77.2



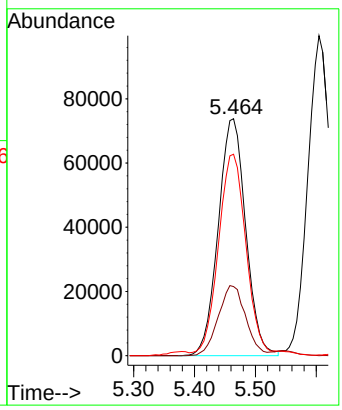


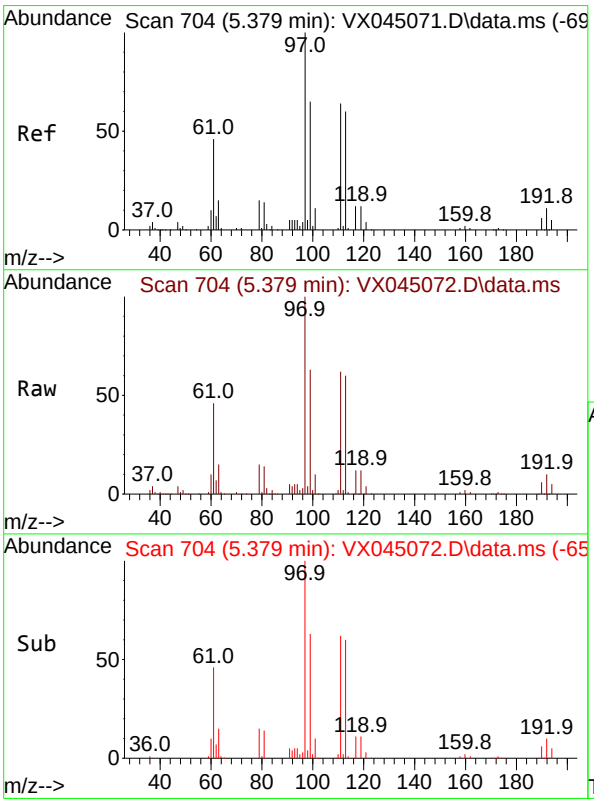
#31
Cyclohexane
Concen: 100.711 ug/l
RT: 5.464 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

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

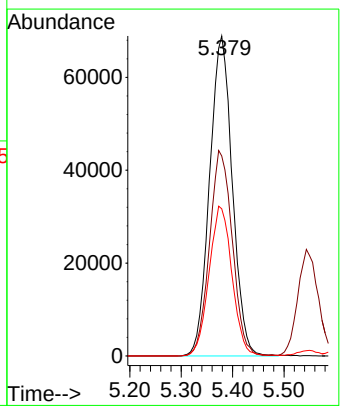


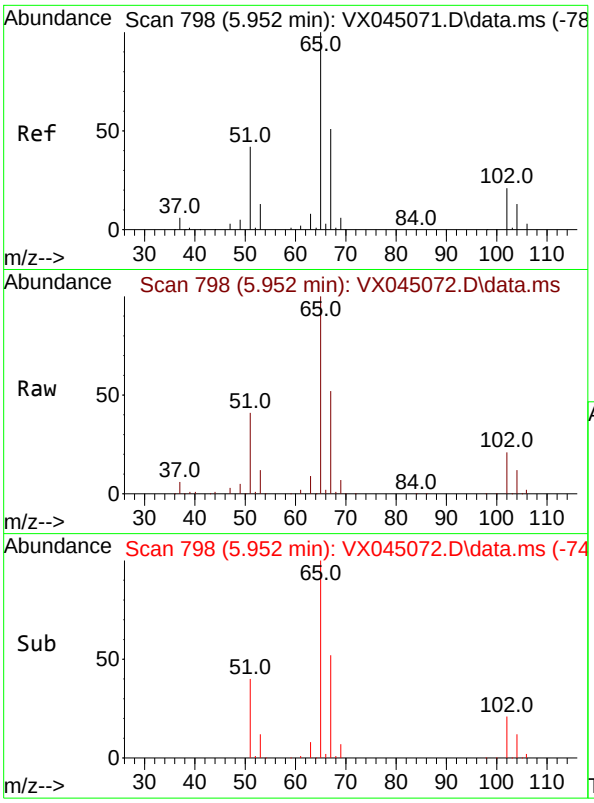


#32
1,1,1-Trichloroethane
Concen: 102.638 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

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



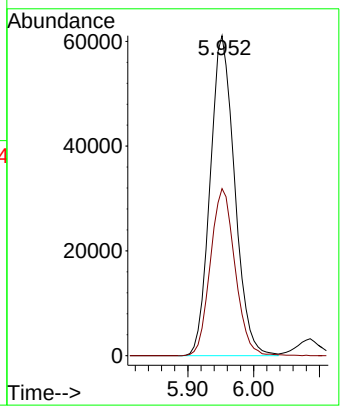


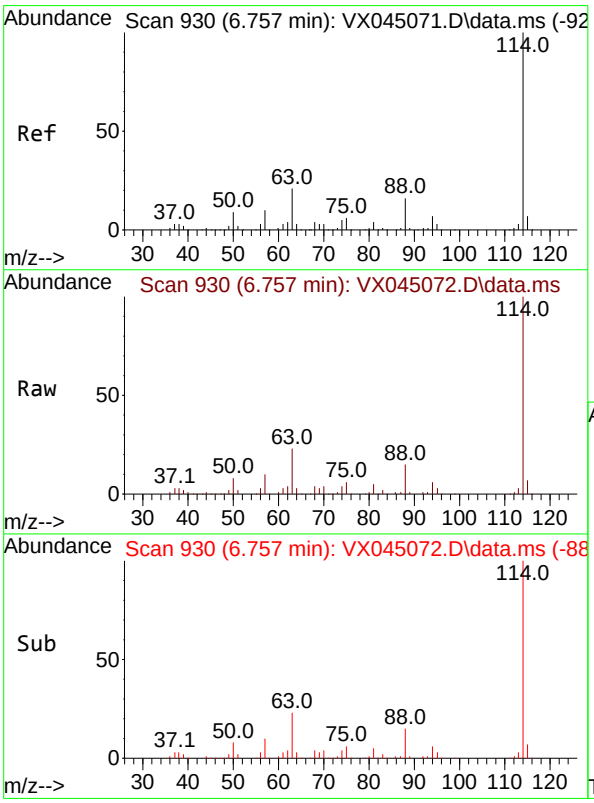
#33
1,2-Dichloroethane-d4
Concen: 106.011 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 65 Resp: 158452

Ion	Ratio	Lower	Upper
65	100		
67	52.5	0.0	106.2

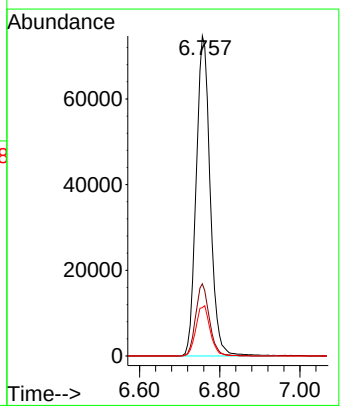


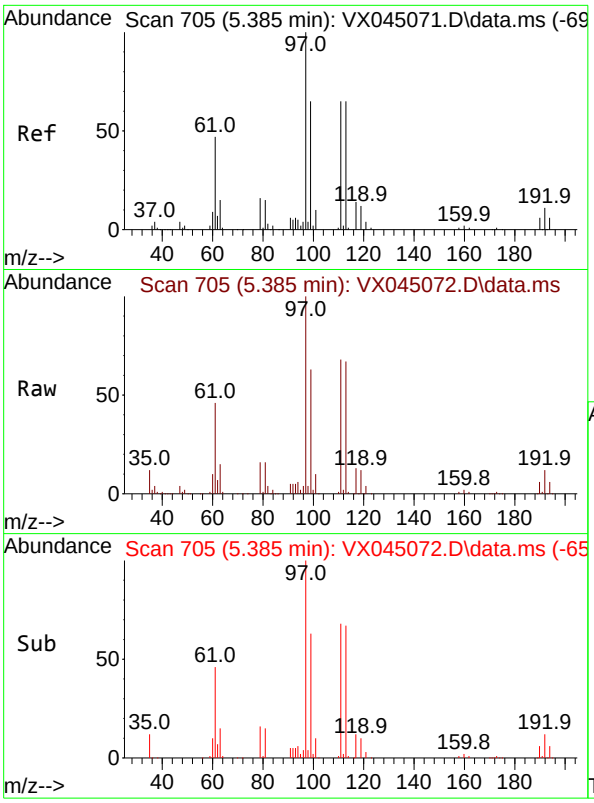


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

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



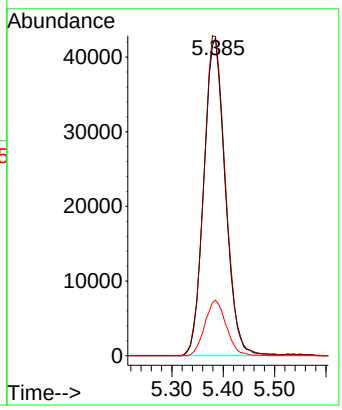


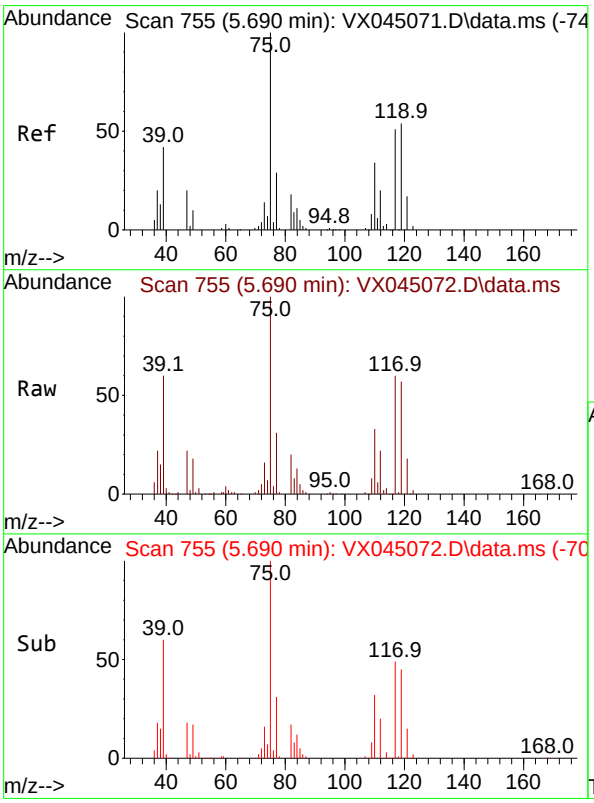
#35
Dibromofluoromethane
Concen: 104.110 ug/l
RT: 5.385 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

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

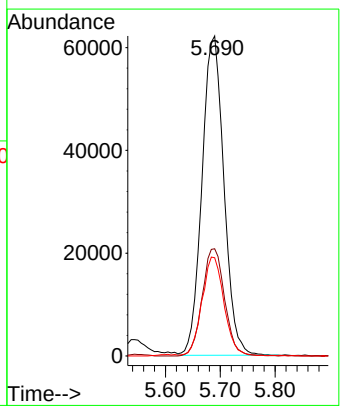


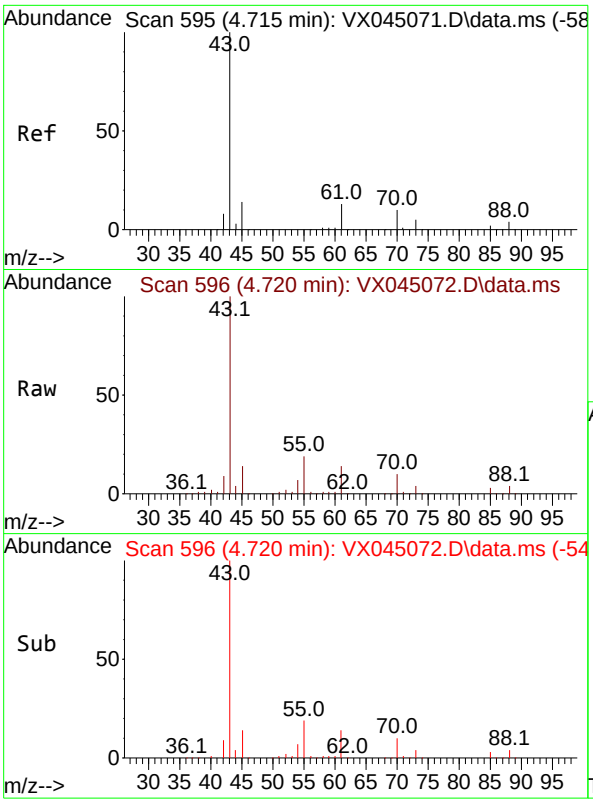


#36
1,1-Dichloropropene
Concen: 101.258 ug/l
RT: 5.690 min Scan# 755
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

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



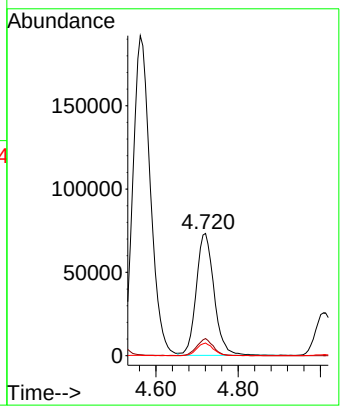


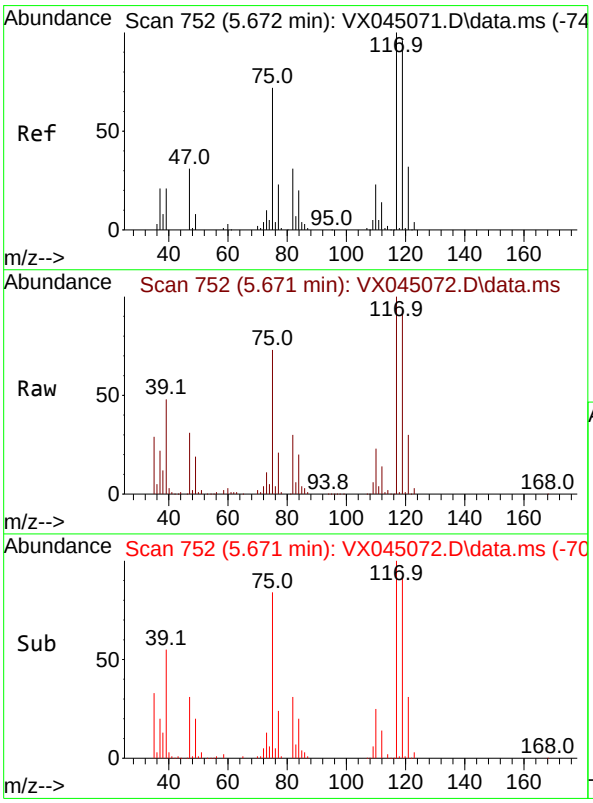
#37
Ethyl Acetate
Concen: 113.796 ug/l
RT: 4.720 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

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

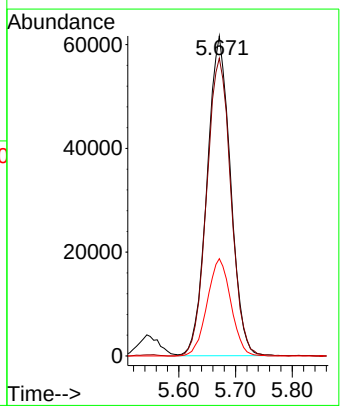


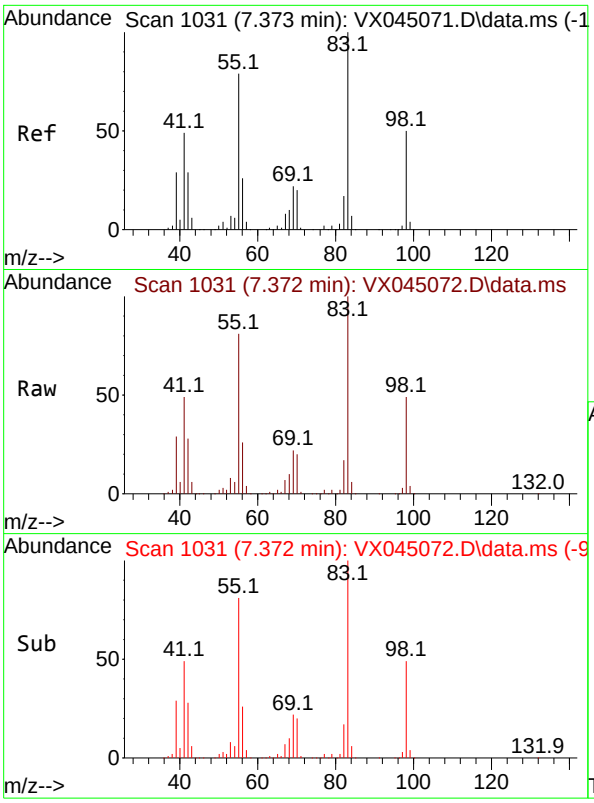


#38
Carbon Tetrachloride
Concen: 105.940 ug/l
RT: 5.671 min Scan# 752
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

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



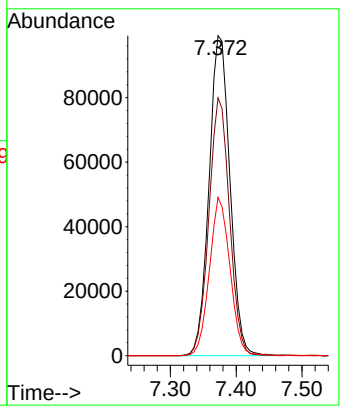


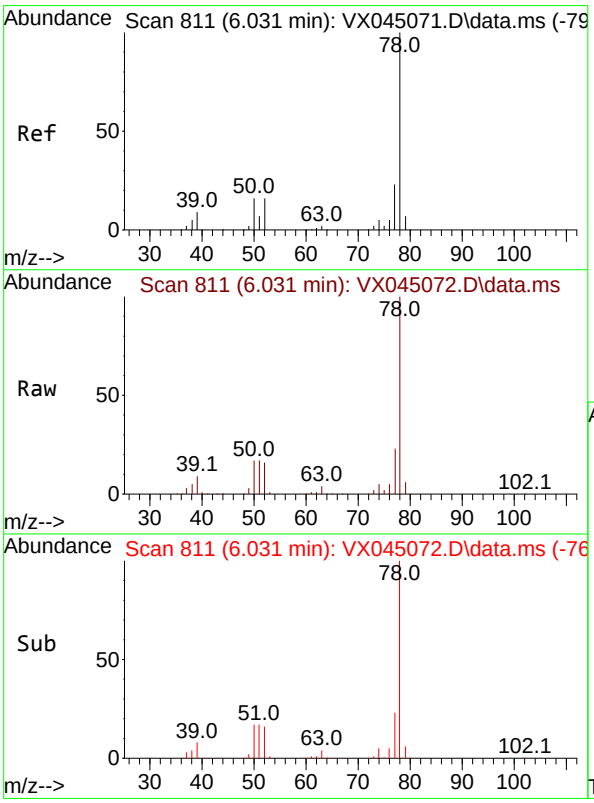
#39
Methylcyclohexane
Concen: 101.175 ug/l
RT: 7.372 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

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

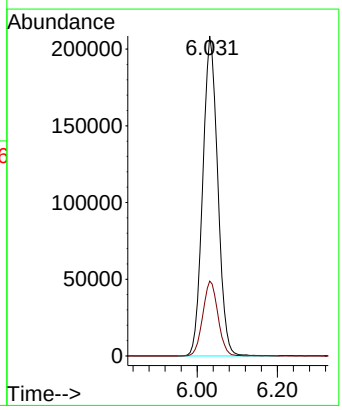


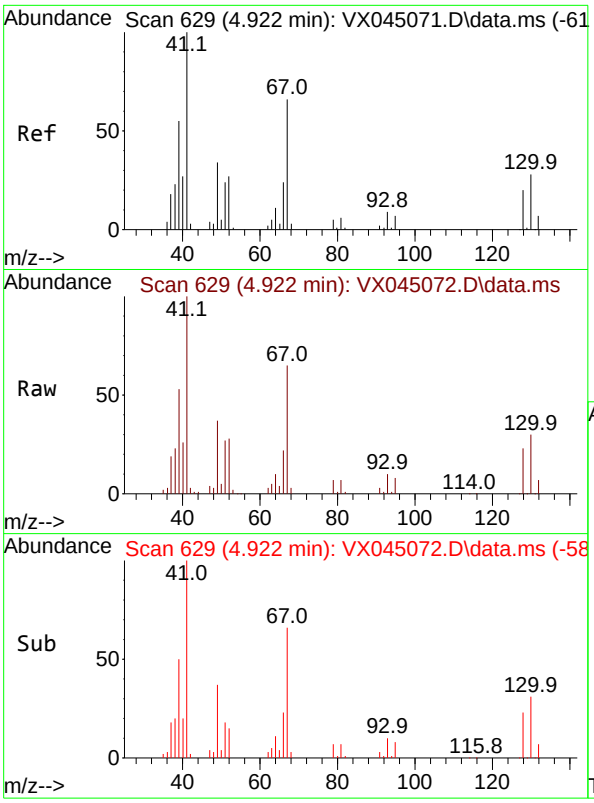


#40
Benzene
Concen: 101.908 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 78 Resp: 541974

Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.8	28.2



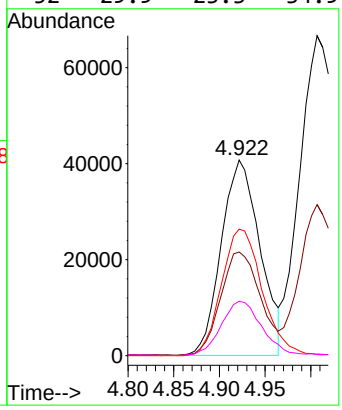


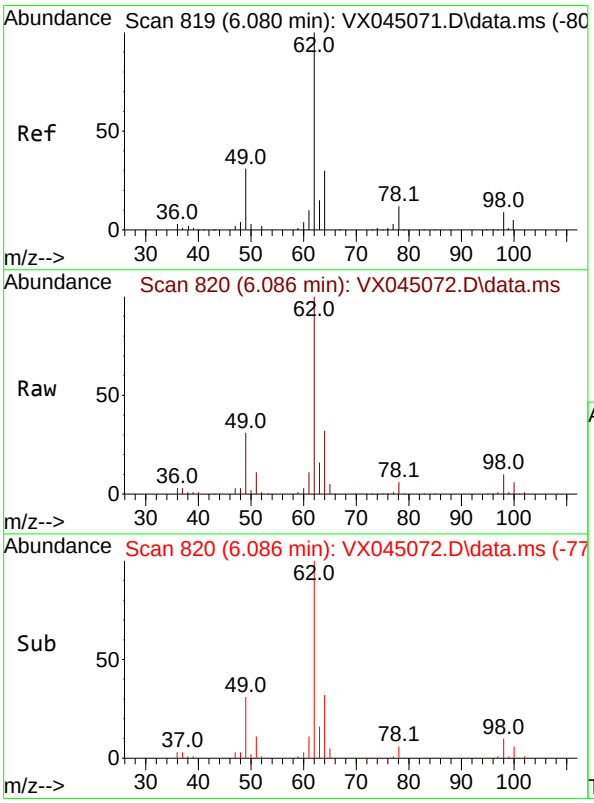
#41
Methacrylonitrile
Concen: 116.205 ug/l
RT: 4.922 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

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

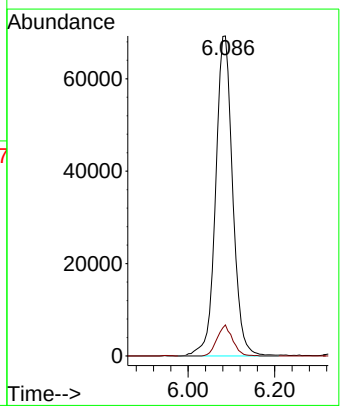


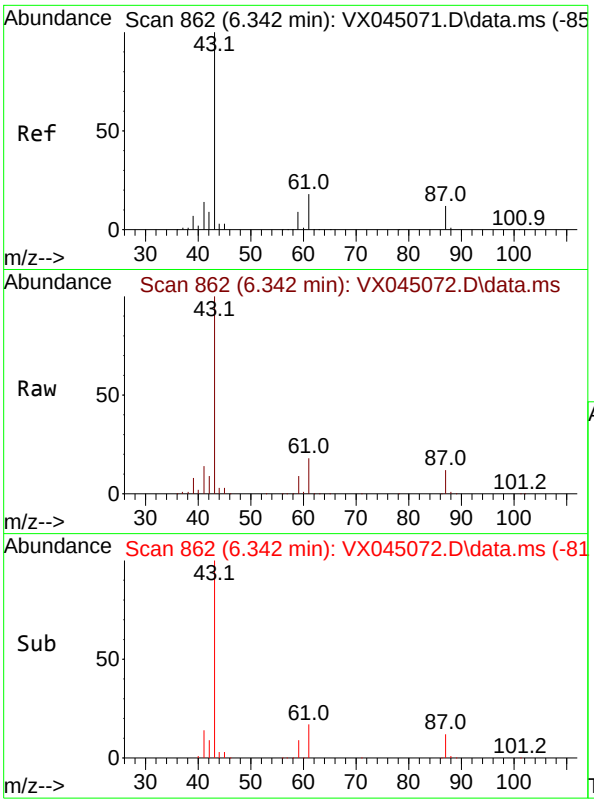


#42
1,2-Dichloroethane
Concen: 110.158 ug/l
RT: 6.086 min Scan# 820
Delta R.T. 0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 62 Resp: 189857

Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	18.2



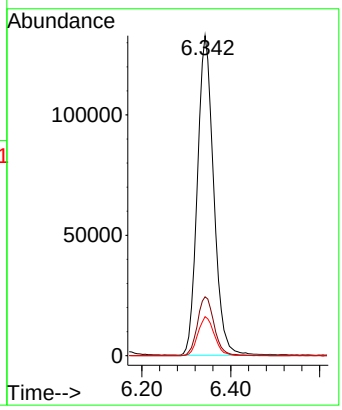


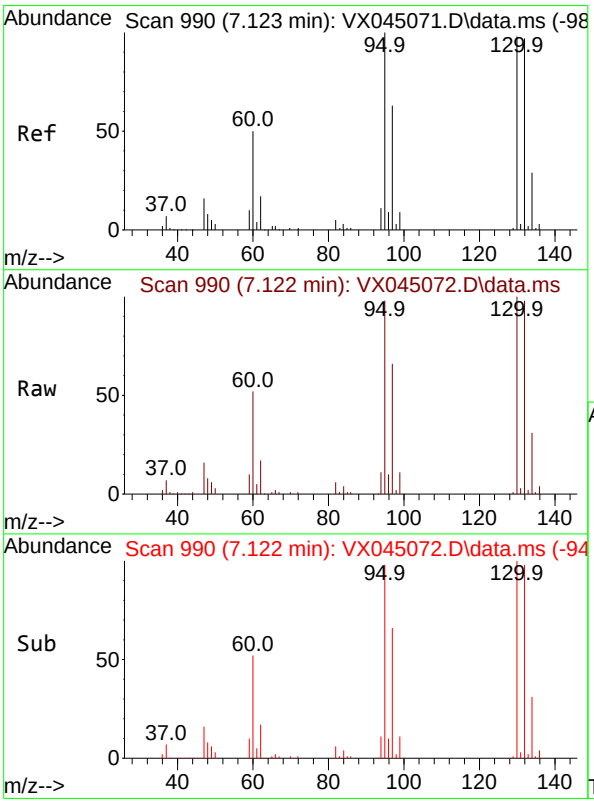
#43
Isopropyl Acetate
Concen: 109.806 ug/l
RT: 6.342 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

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

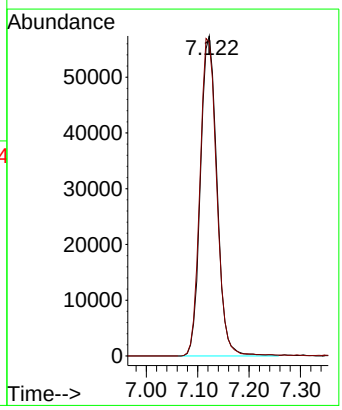


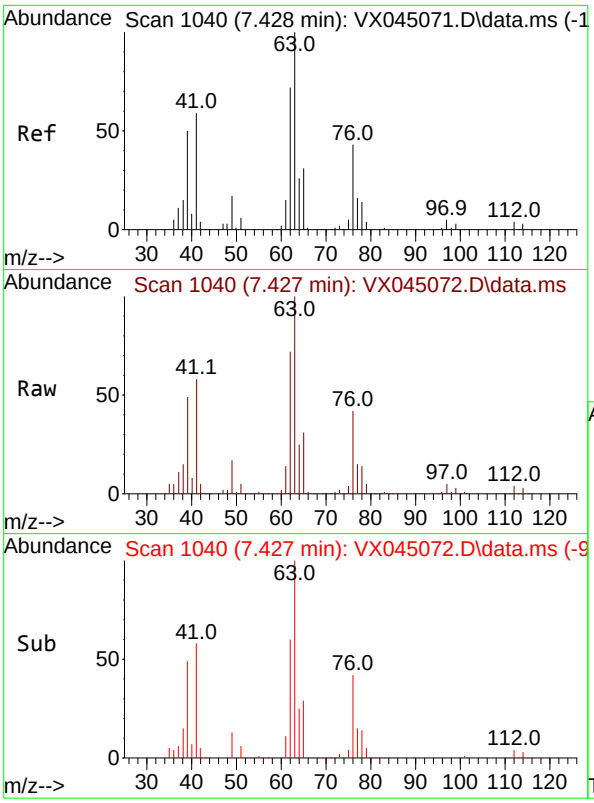


#44
Trichloroethene
Concen: 105.402 ug/l
RT: 7.122 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:130 Resp: 128124

Ion	Ratio	Lower	Upper
130	100		
95	98.1	0.0	205.0



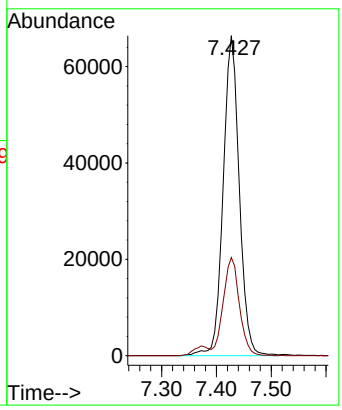


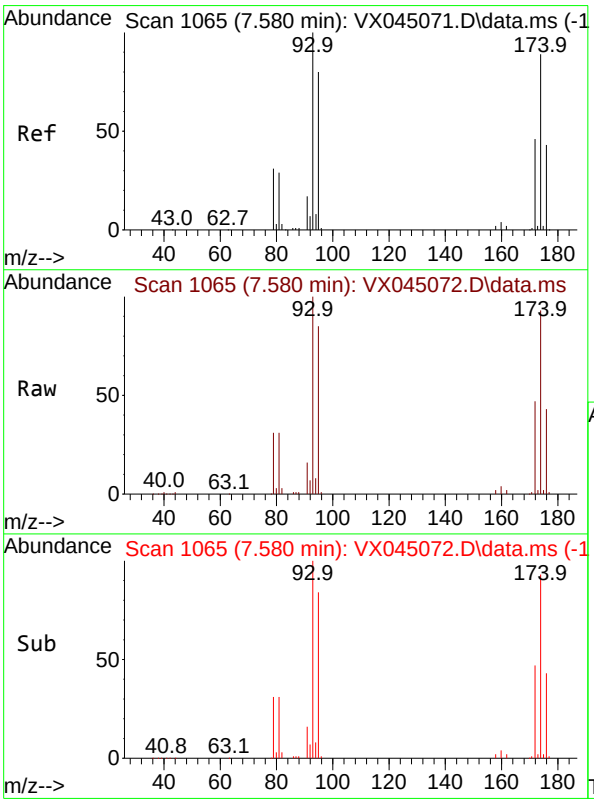
#45
1,2-Dichloropropane
Concen: 102.898 ug/l
RT: 7.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 63 Resp: 135997

Ion	Ratio	Lower	Upper
63	100		
65	30.7	24.7	37.1

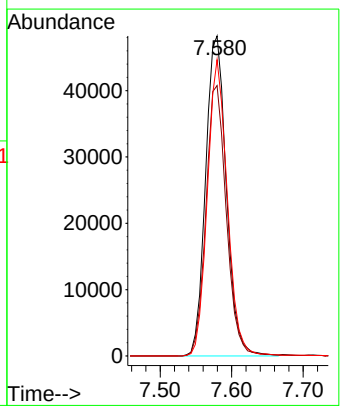


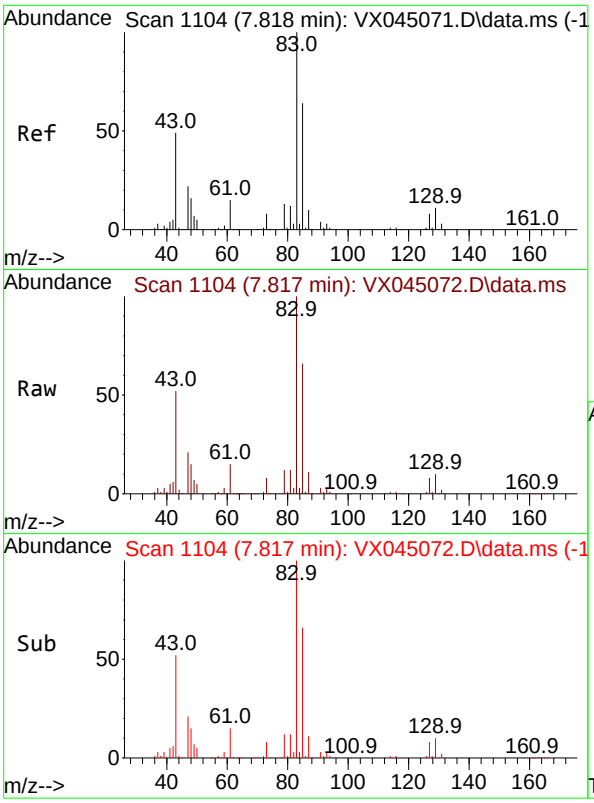


#46
Dibromomethane
Concen: 105.329 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

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



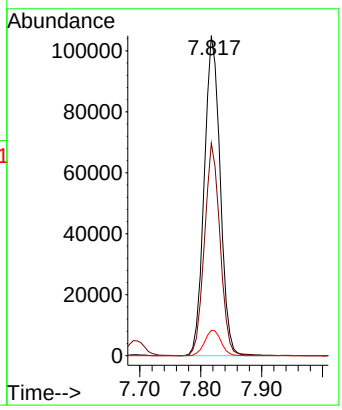


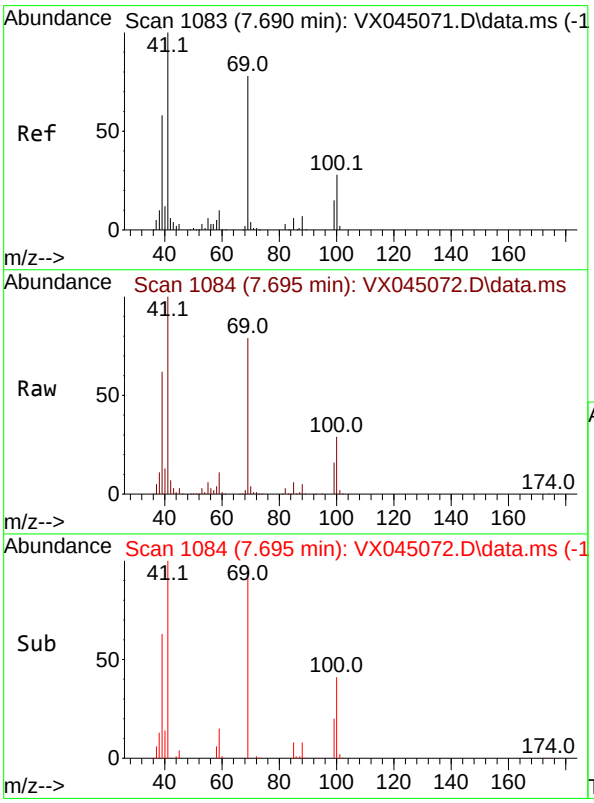
#47
Bromodichloromethane
Concen: 106.947 ug/l
RT: 7.817 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

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

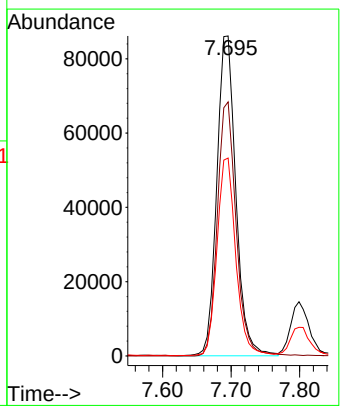


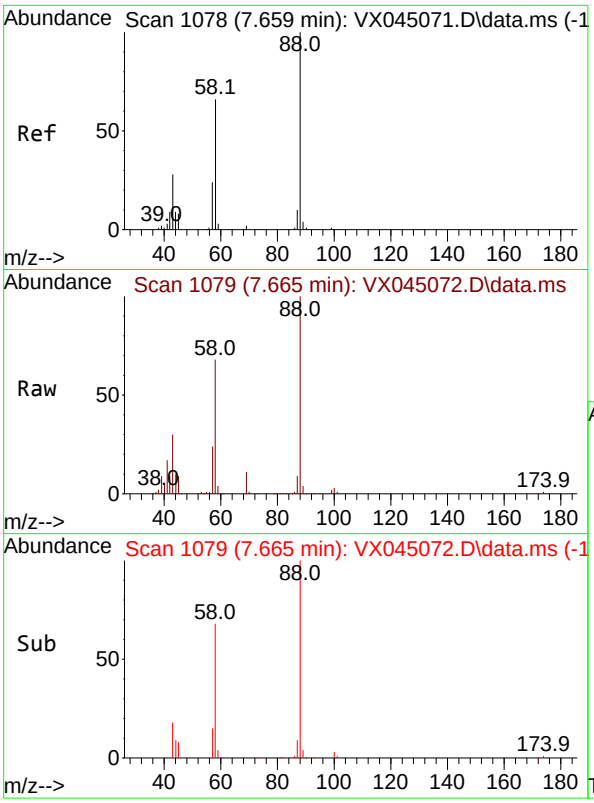


#48
Methyl methacrylate
Concen: 113.344 ug/l
RT: 7.695 min Scan# 1084
Delta R.T. 0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

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



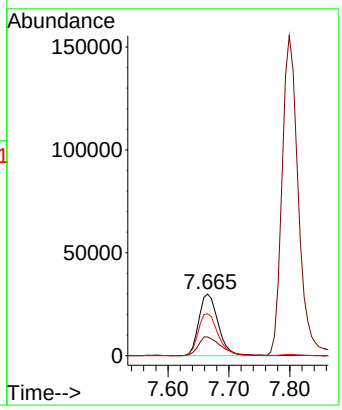


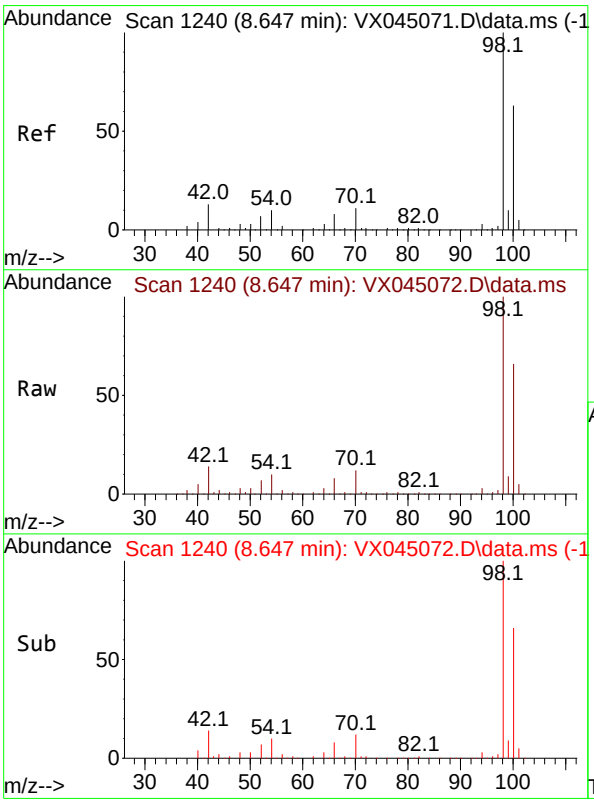
#49
1,4-Dioxane
Concen: 2132.314 ug/l
RT: 7.665 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

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

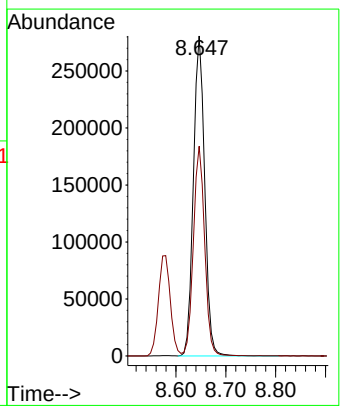


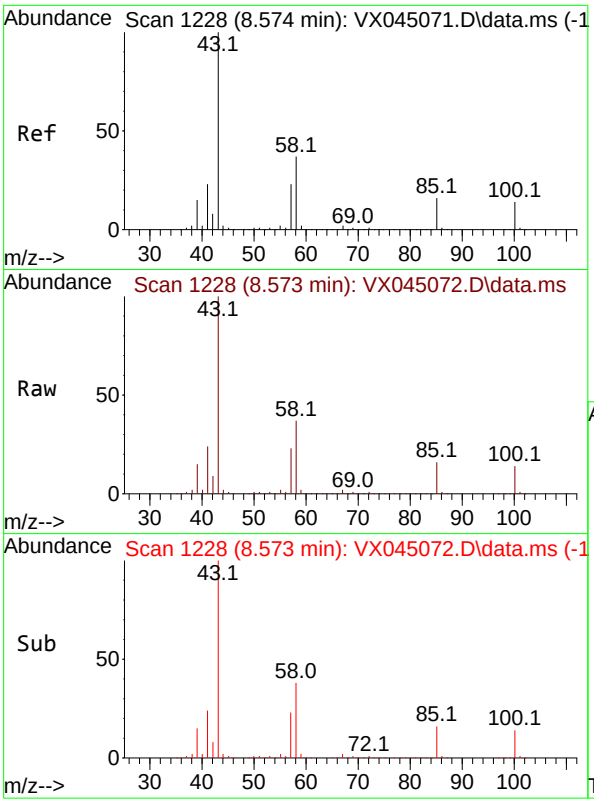


#50
Toluene-d8
Concen: 99.595 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 98 Resp: 441188

Ion	Ratio	Lower	Upper
98	100		
100	65.3	52.0	78.0



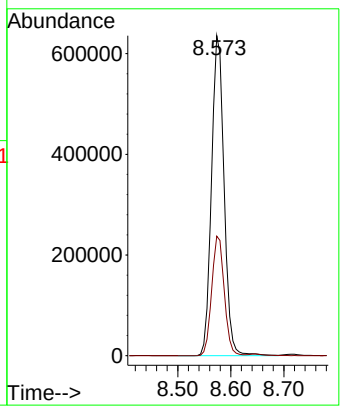


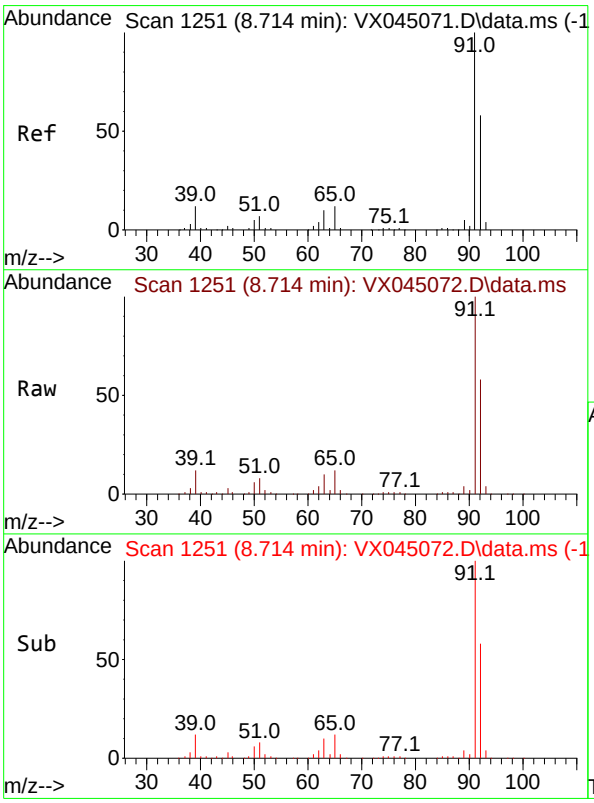
#51
4-Methyl-2-Pentanone
Concen: 555.050 ug/l
RT: 8.573 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 1048140

Ion	Ratio	Lower	Upper
43	100		
58	37.4	29.2	43.8

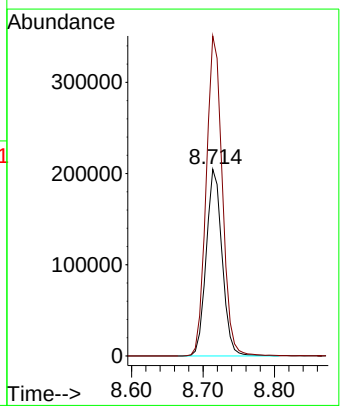


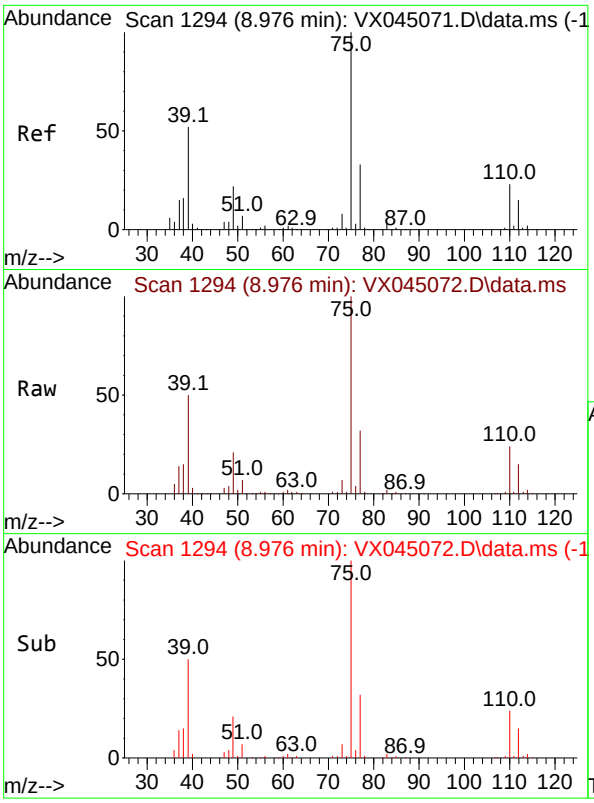


#52
Toluene
Concen: 100.178 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 92 Resp: 316349

Ion	Ratio	Lower	Upper
92	100		
91	173.2	138.9	208.3



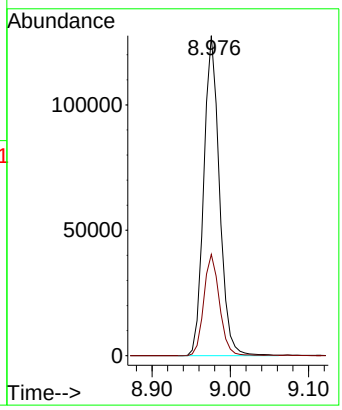


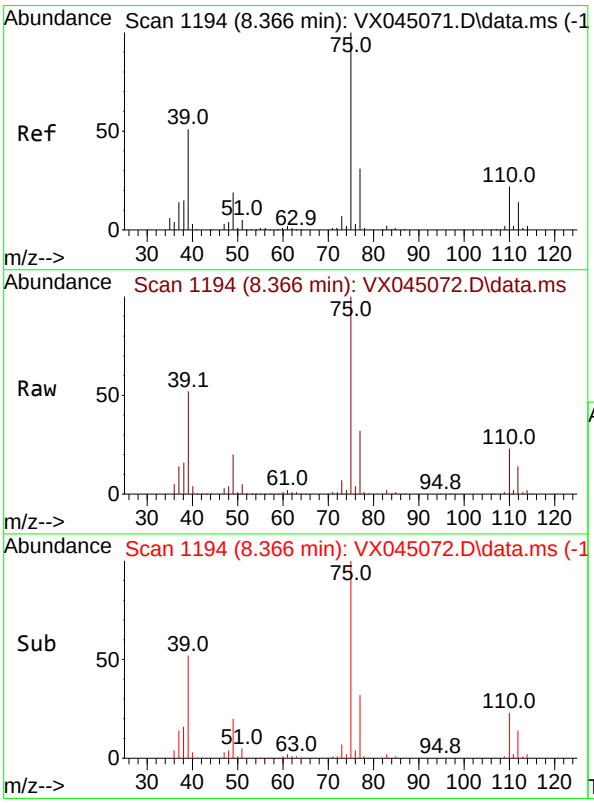
#53
t-1,3-Dichloropropene
Concen: 100.462 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 75 Resp: 177352

Ion	Ratio	Lower	Upper
75	100		
77	31.6	26.5	39.7

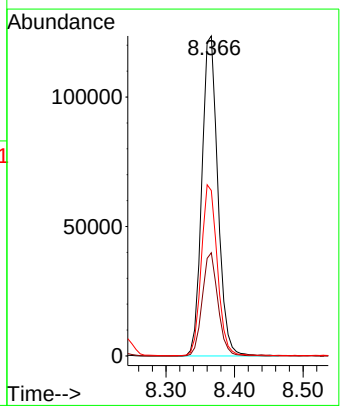


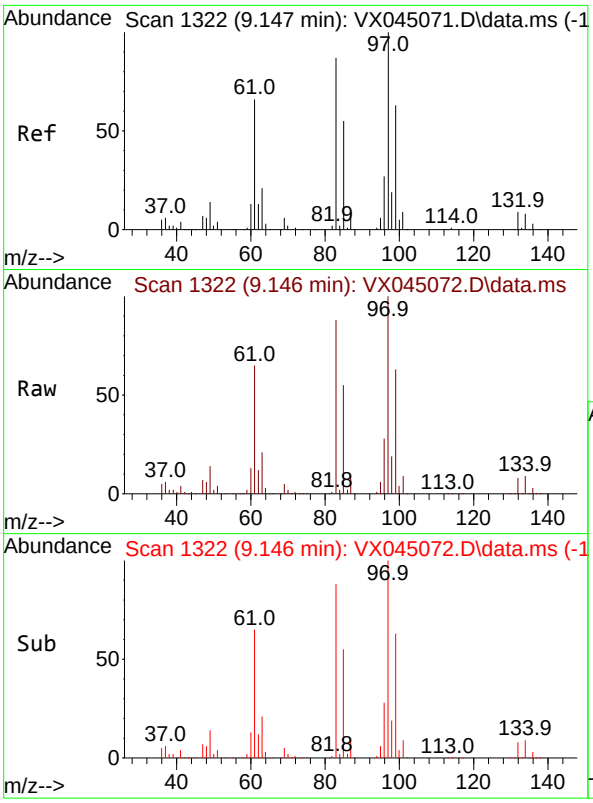


#54
cis-1,3-Dichloropropene
Concen: 101.815 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

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



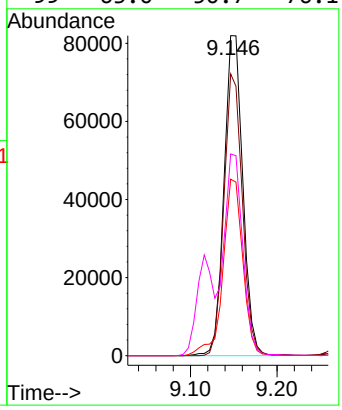


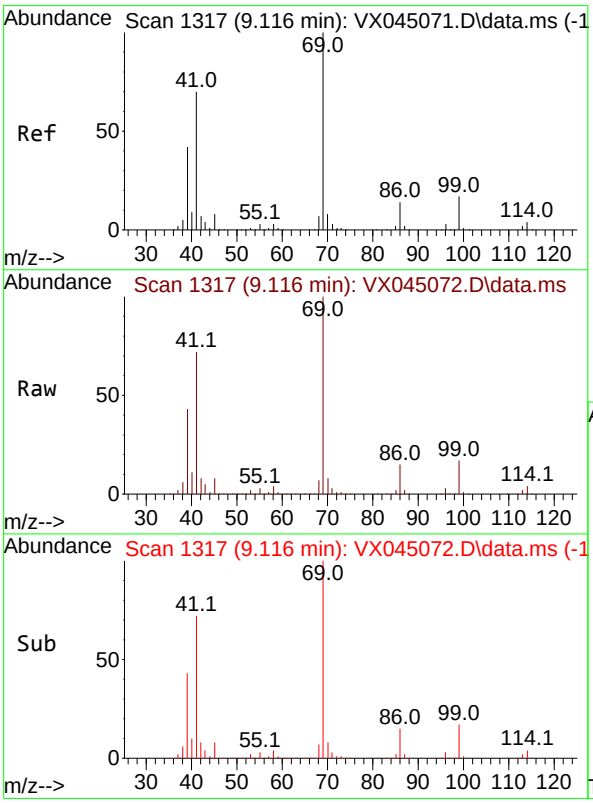
#55
1,1,2-Trichloroethane
Concen: 100.920 ug/l
RT: 9.146 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

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

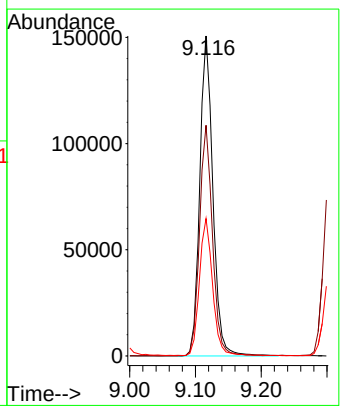


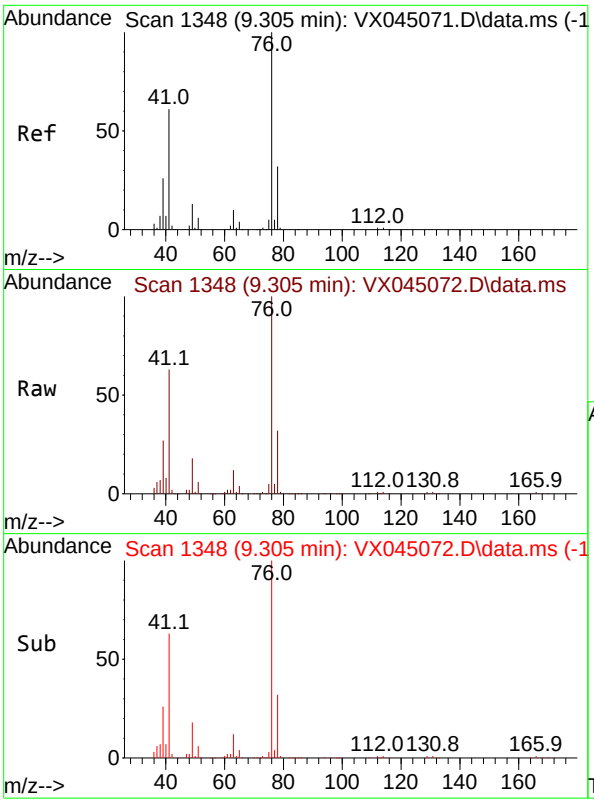


#56
Ethyl methacrylate
Concen: 106.744 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

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



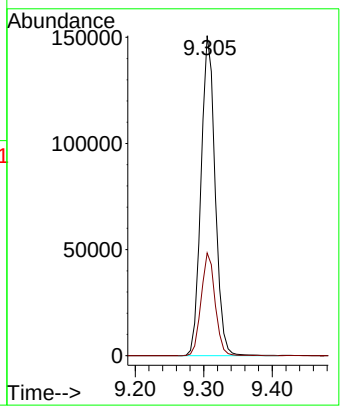


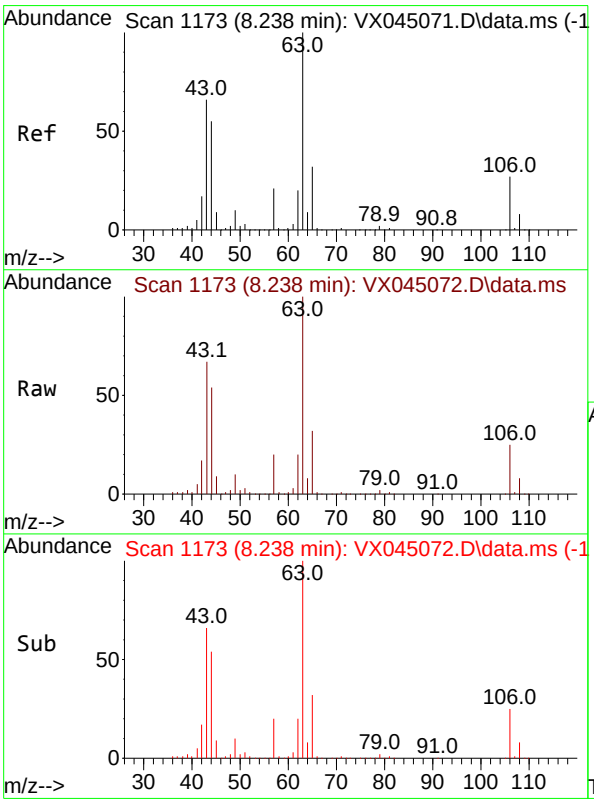
#57
1,3-Dichloropropane
Concen: 101.387 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 76 Resp: 216267

Ion	Ratio	Lower	Upper
76	100		
78	31.8	25.5	38.3

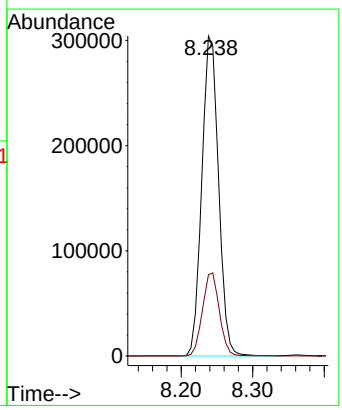


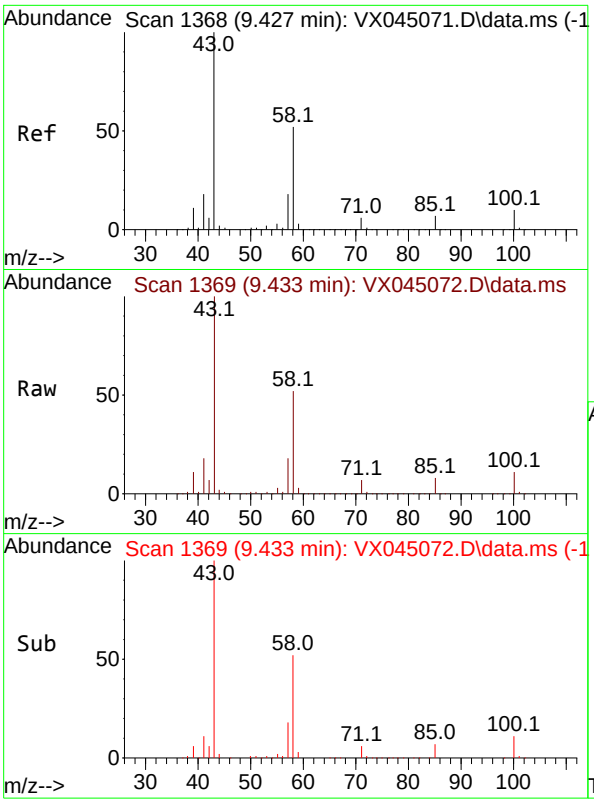


#58
2-Chloroethyl Vinyl ether
Concen: 514.987 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 63 Resp: 494551

Ion	Ratio	Lower	Upper
63	100		
106	26.1	21.5	32.3



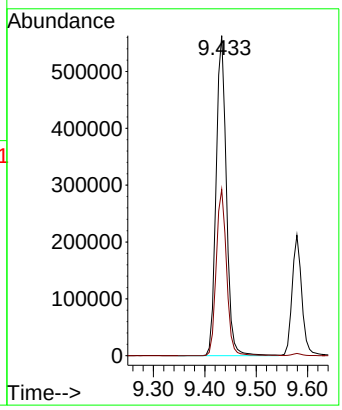


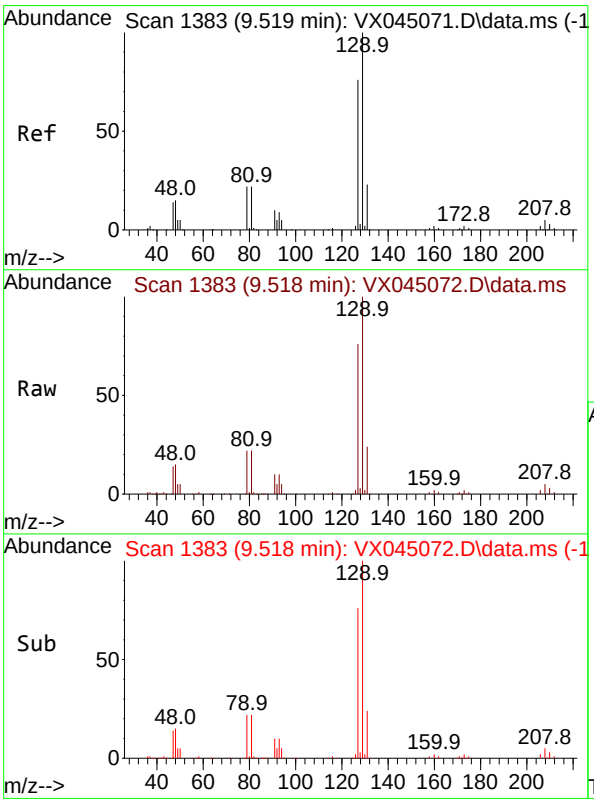
#59
2-Hexanone
Concen: 572.233 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 779492

Ion	Ratio	Lower	Upper
43	100		
58	52.2	25.9	77.6

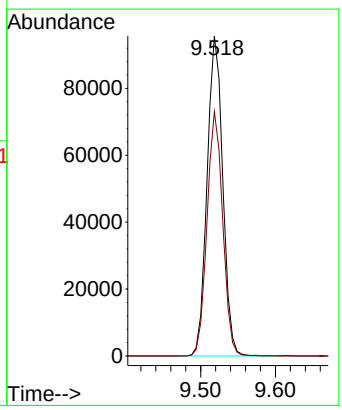


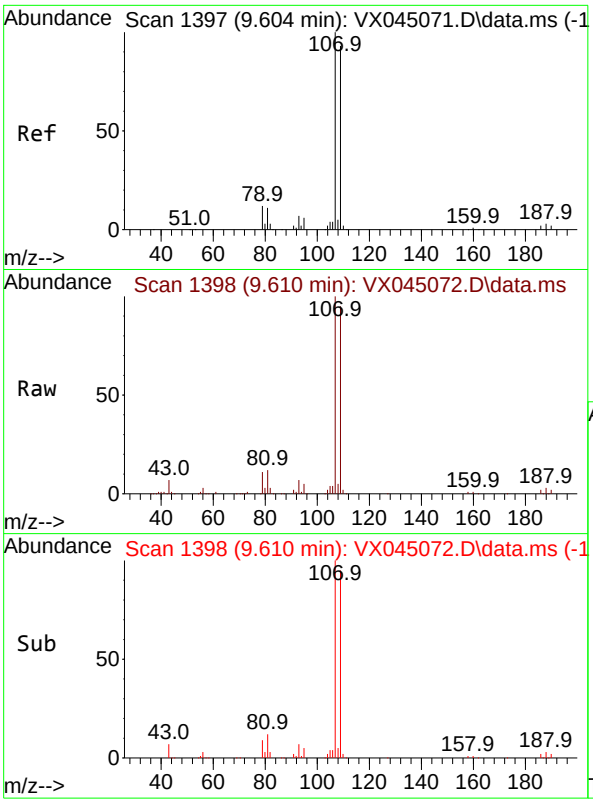


#60
Dibromochloromethane
Concen: 106.719 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:129 Resp: 139245

Ion	Ratio	Lower	Upper
129	100		
127	76.3	38.5	115.5



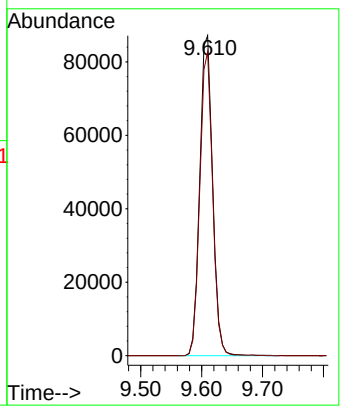


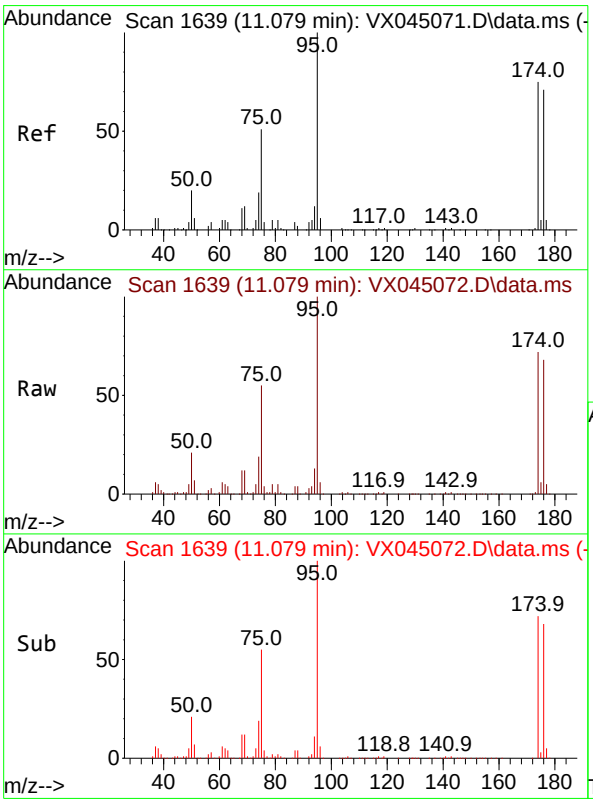
#61
1,2-Dibromoethane
Concen: 104.259 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:107 Resp: 128617

Ion	Ratio	Lower	Upper
107	100		
109	94.3	76.1	114.1

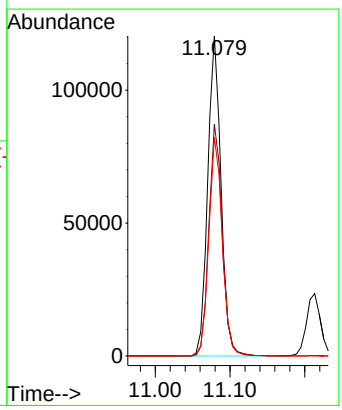


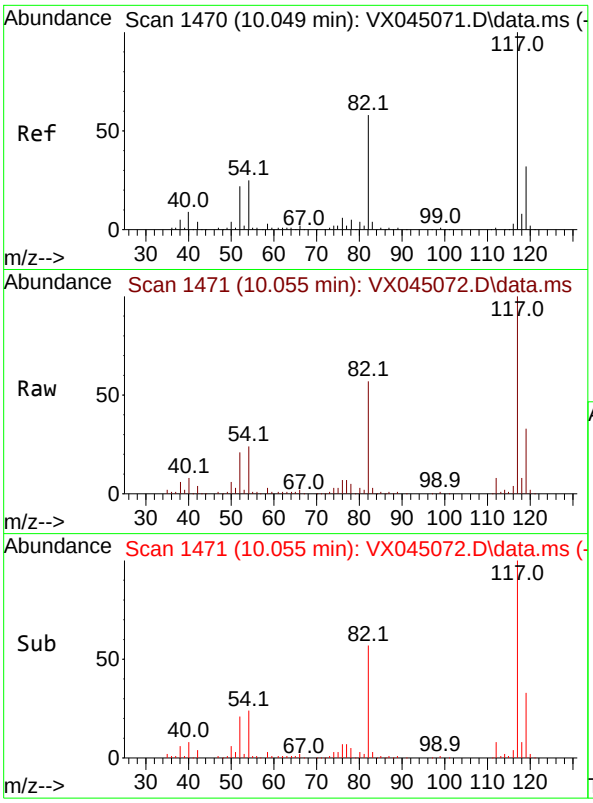


#62
4-Bromofluorobenzene
Concen: 100.365 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

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



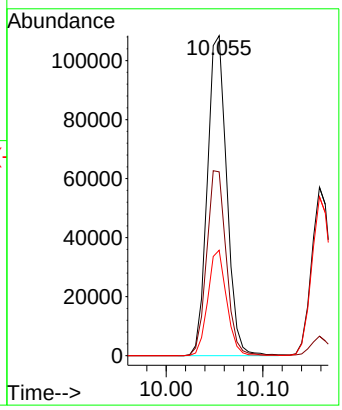


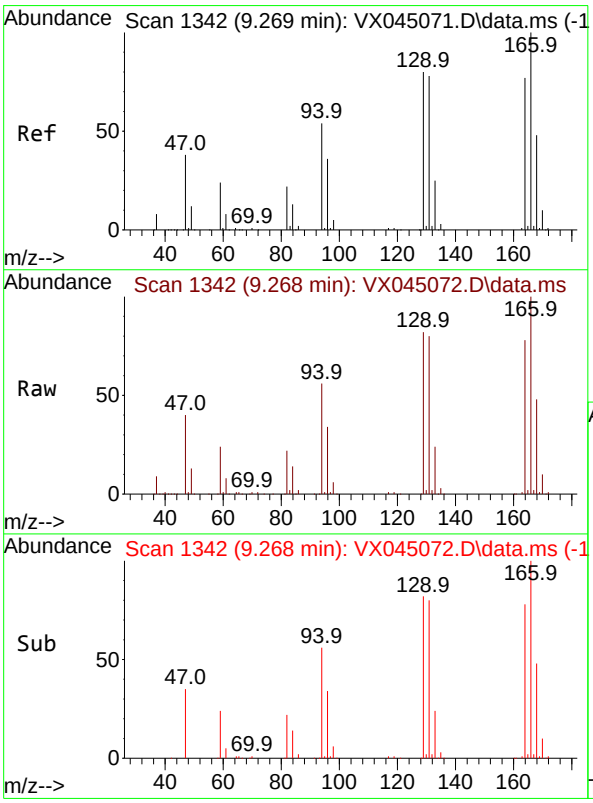
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

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

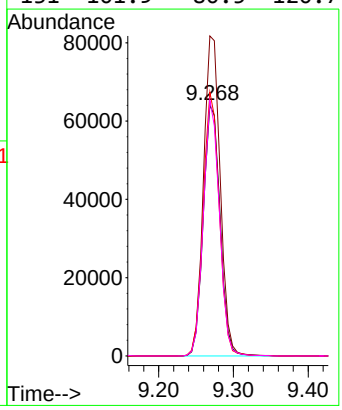


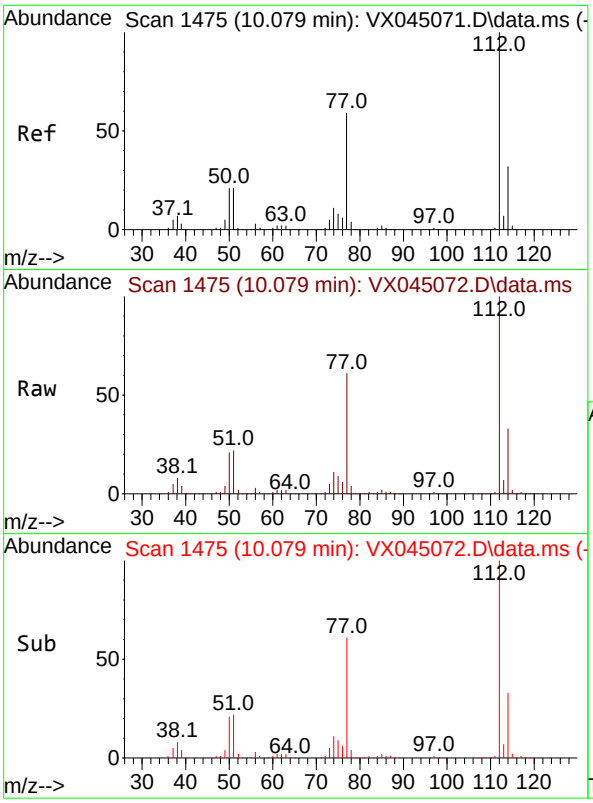


#64
Tetrachloroethene
Concen: 103.491 ug/l
RT: 9.268 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

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



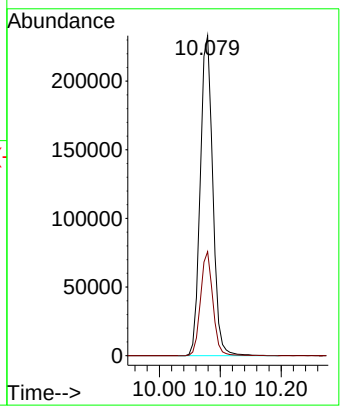


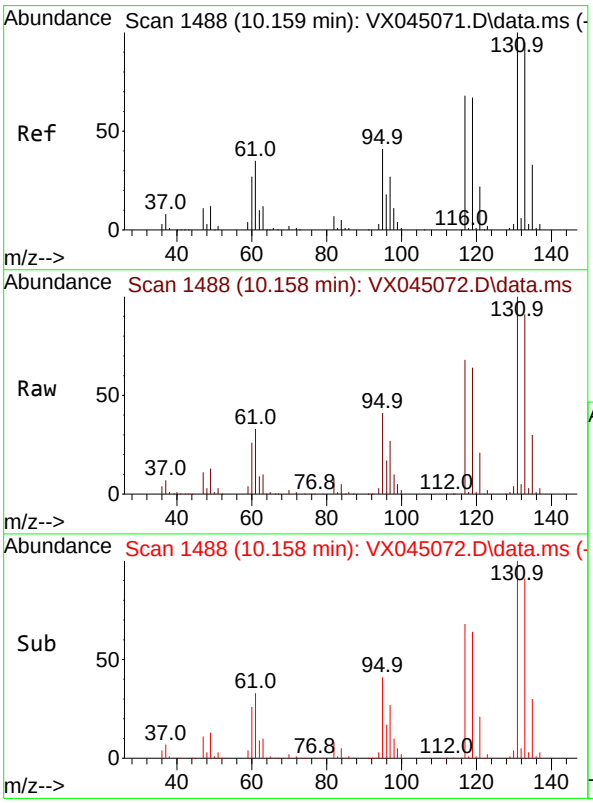
#65
Chlorobenzene
Concen: 102.456 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:112 Resp: 332473

Ion	Ratio	Lower	Upper
112	100		
114	32.5	26.0	39.0

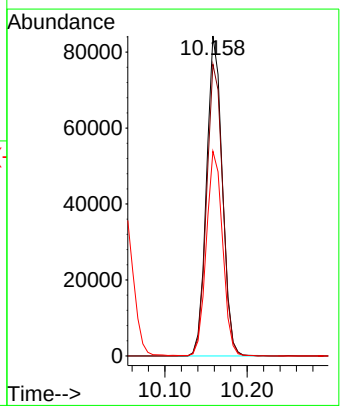


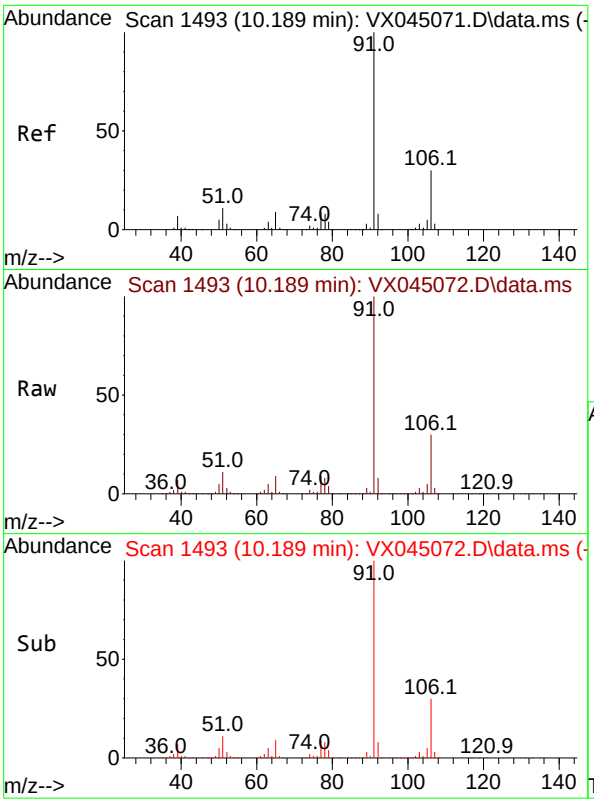


#66
1,1,1,2-Tetrachloroethane
Concen: 107.511 ug/l
RT: 10.158 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

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



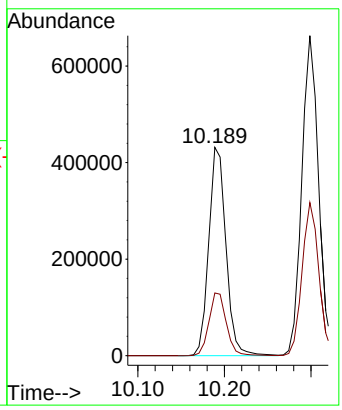


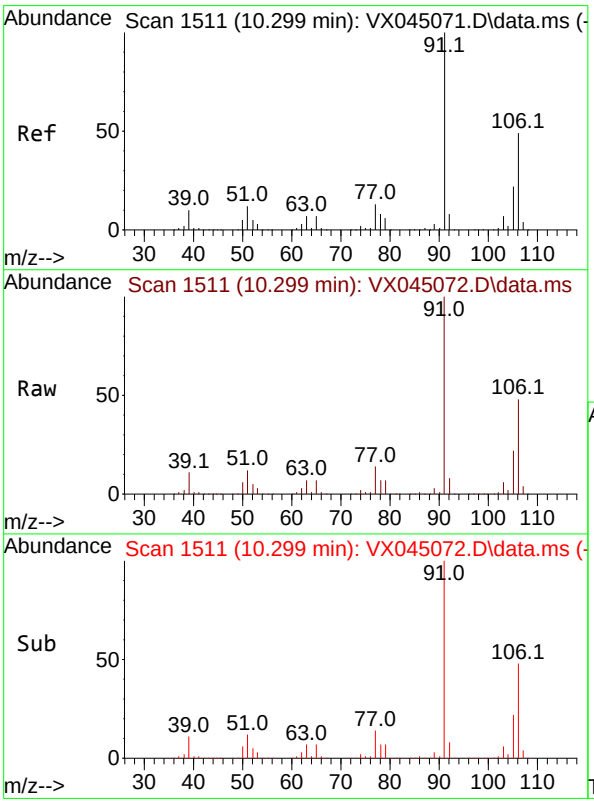
#67
Ethyl Benzene
Concen: 103.905 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 91 Resp: 596257

Ion	Ratio	Lower	Upper
91	100		
106	30.1	23.9	35.9

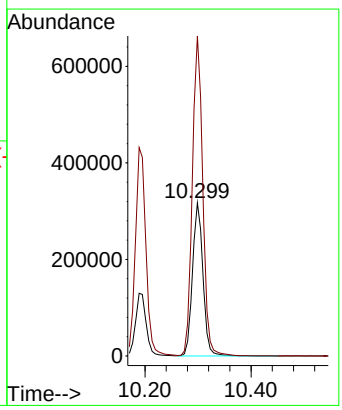


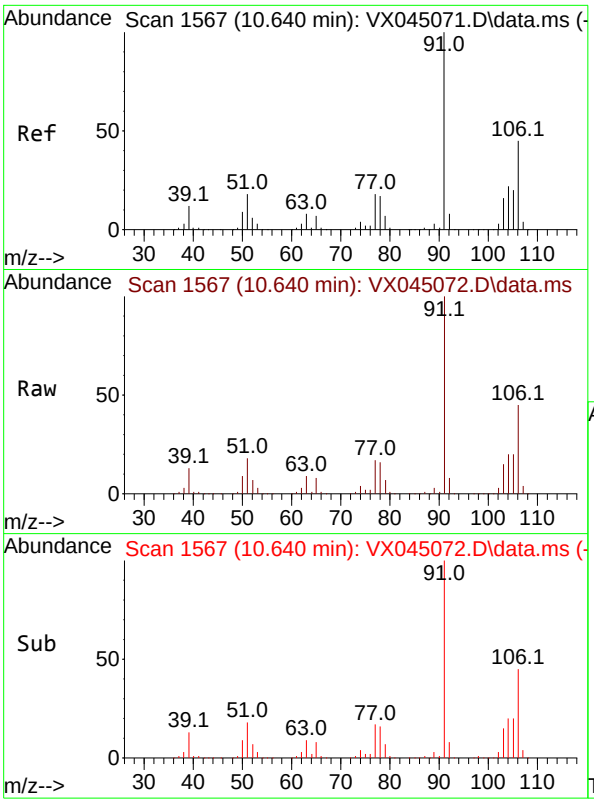


#68
m/p-Xylenes
Concen: 204.507 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:106 Resp: 432214

Ion	Ratio	Lower	Upper
106	100		
91	208.9	165.4	248.0



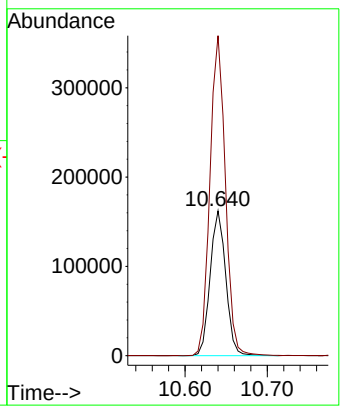


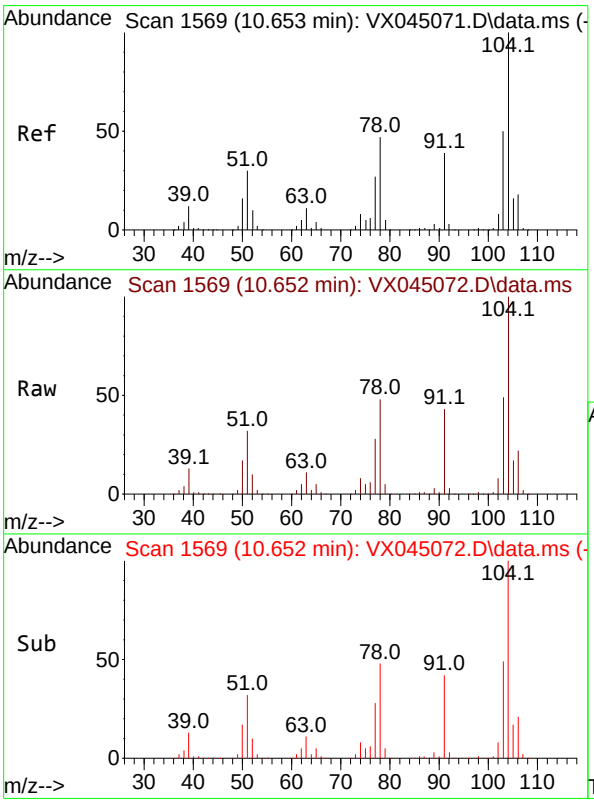
#69
o-Xylene
Concen: 100.849 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:106 Resp: 213835

Ion	Ratio	Lower	Upper
106	100		
91	218.2	109.9	329.6

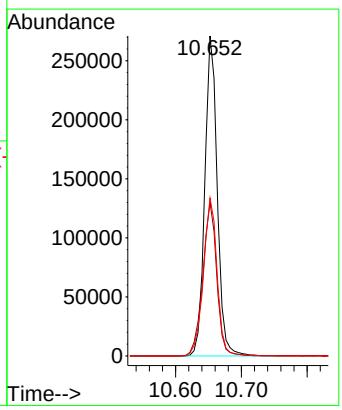


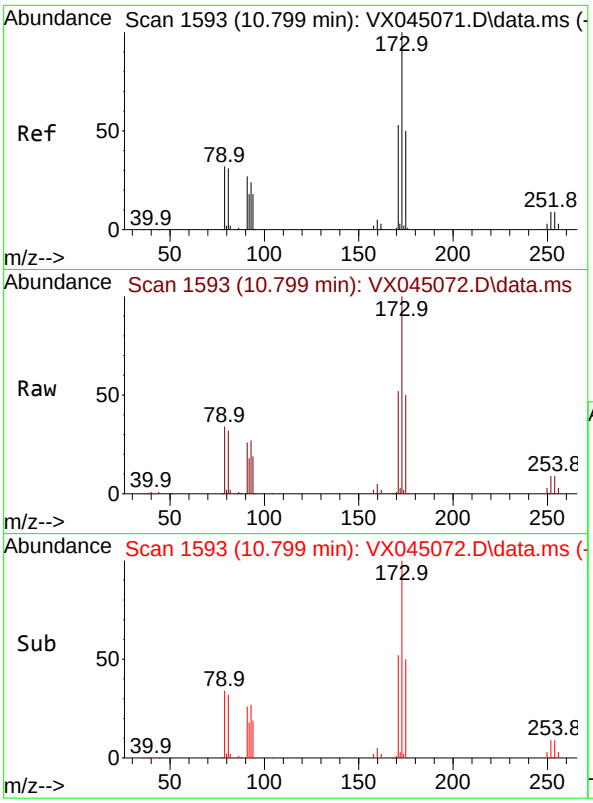


#70
Styrene
Concen: 104.948 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

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



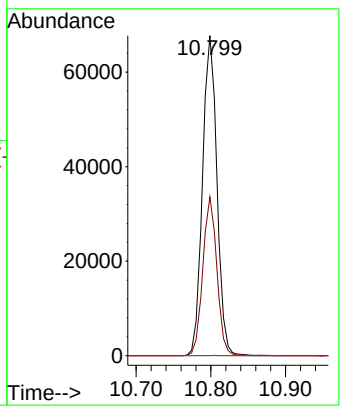


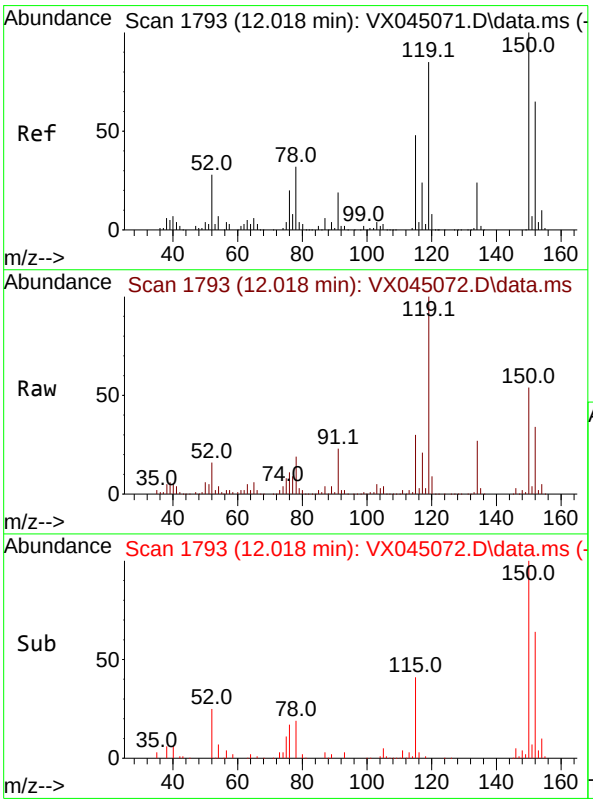
#71
Bromoform
Concen: 116.751 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

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#

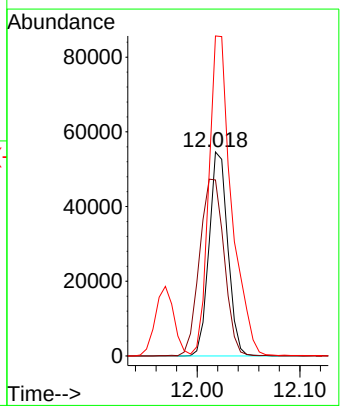


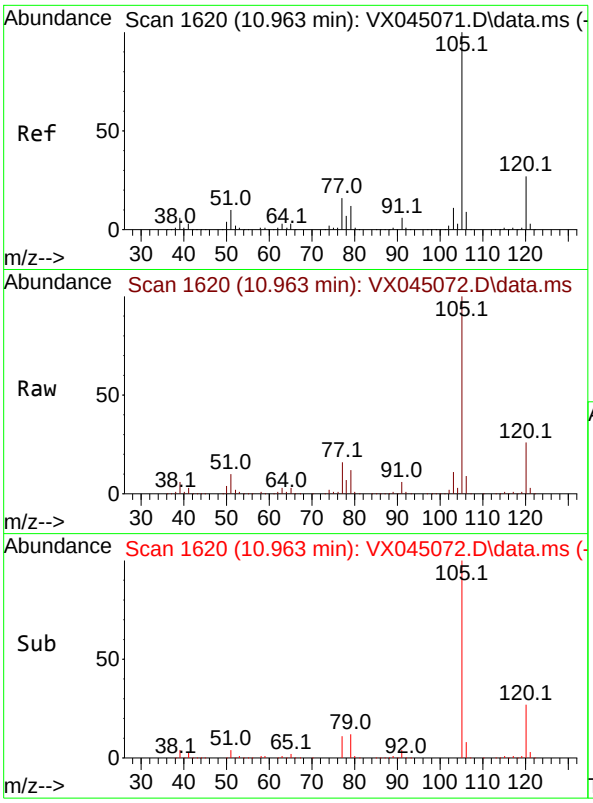


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

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



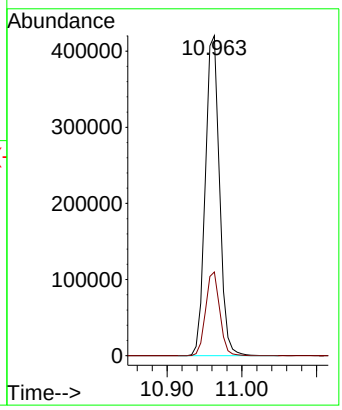


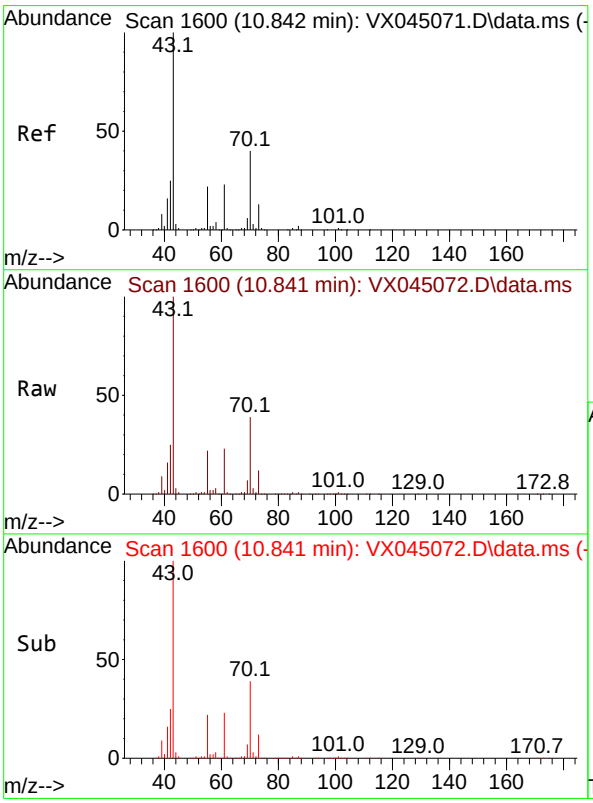
#73
Isopropylbenzene
Concen: 99.138 ug/l
RT: 10.963 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:105 Resp: 553533

Ion	Ratio	Lower	Upper
105	100		
120	26.0	13.2	39.5

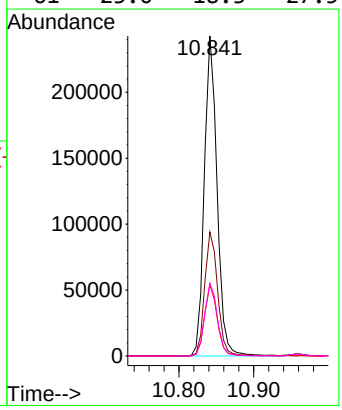


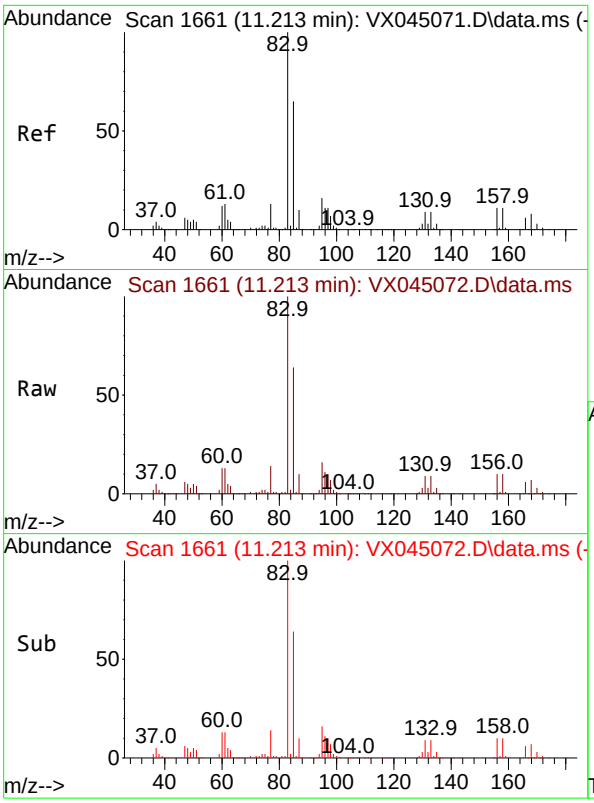


#74
N-amyl acetate
Concen: 113.277 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

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



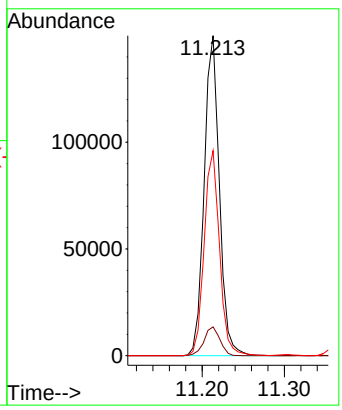


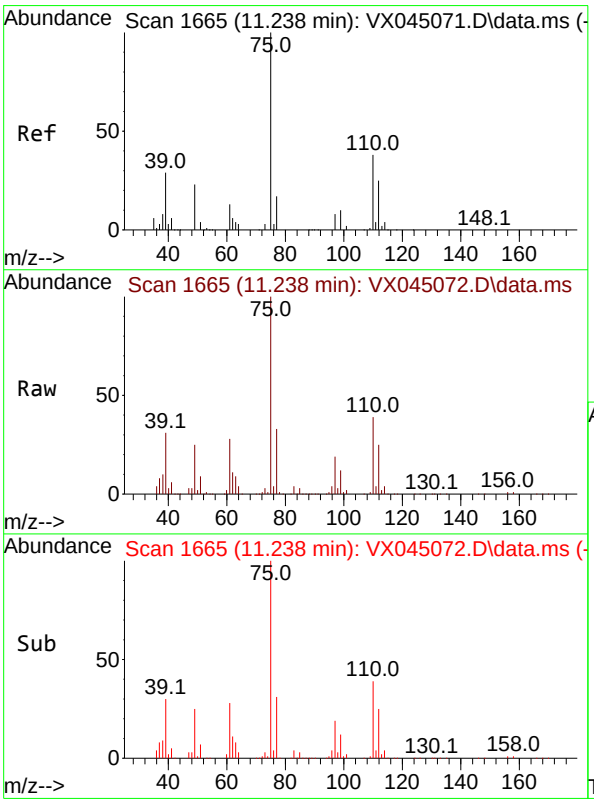
#75
1,1,2,2-Tetrachloroethane
Concen: 99.923 ug/l
RT: 11.213 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

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

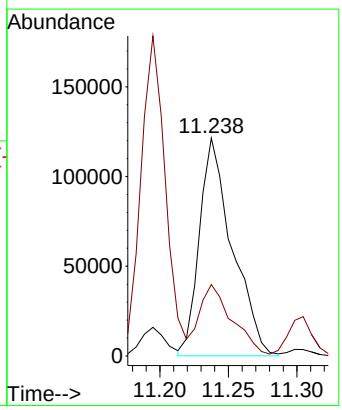


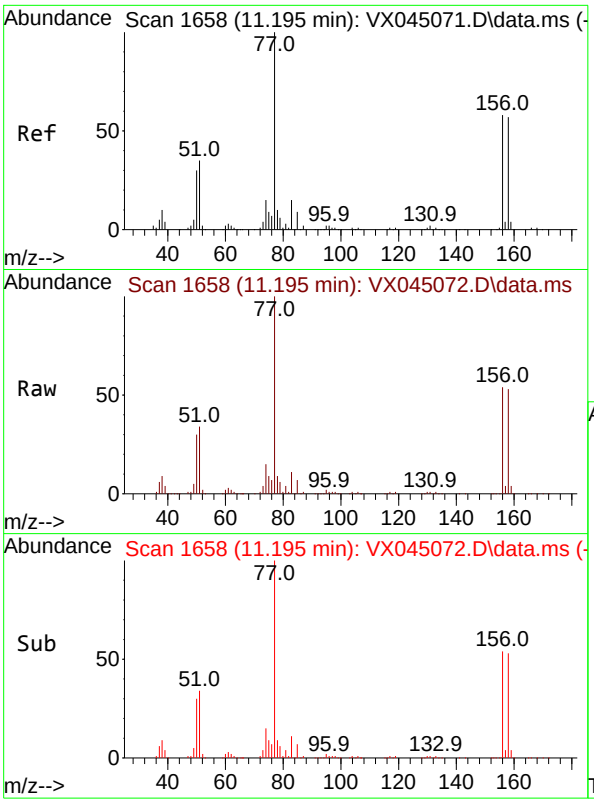


#76
1,2,3-Trichloropropane
Concen: 131.738 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 75 Resp: 203020

Ion	Ratio	Lower	Upper
75	100		
77	32.9	20.7	62.1



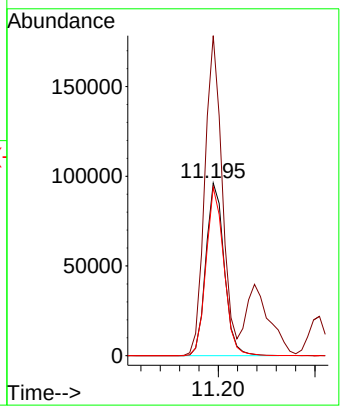


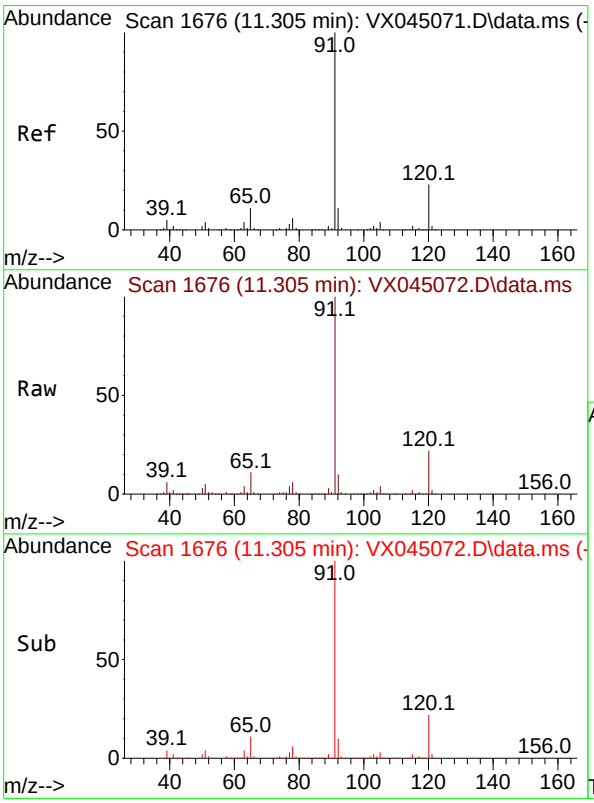
#77
Bromobenzene
Concen: 99.175 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

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

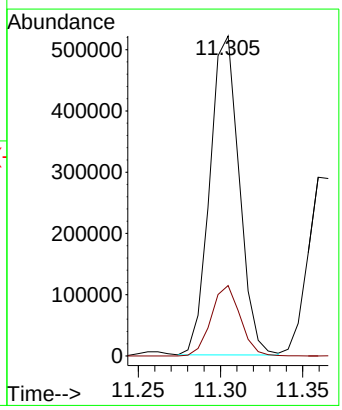


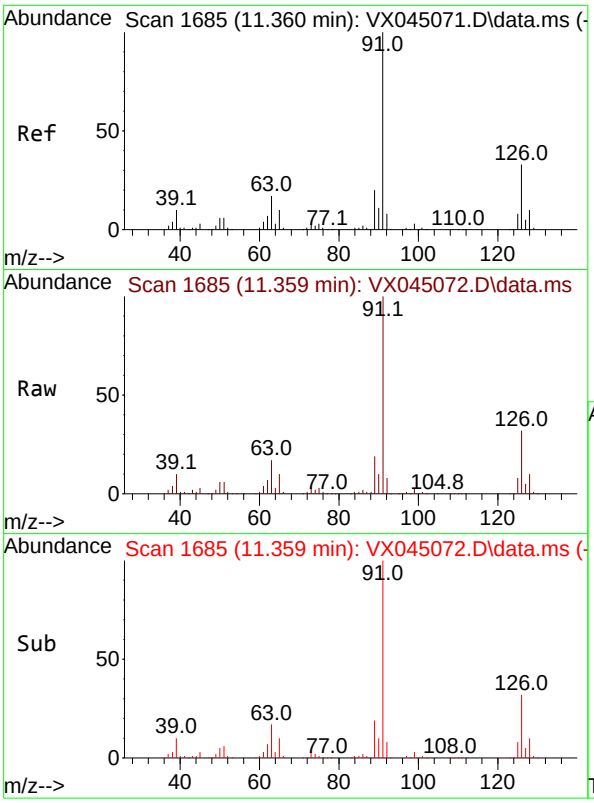


#78
n-propylbenzene
Concen: 100.758 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 91 Resp: 648835

Ion	Ratio	Lower	Upper
91	100		
120	21.8	11.2	33.6



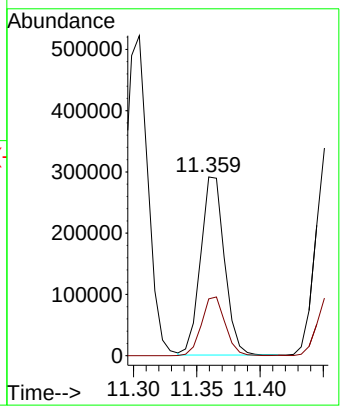


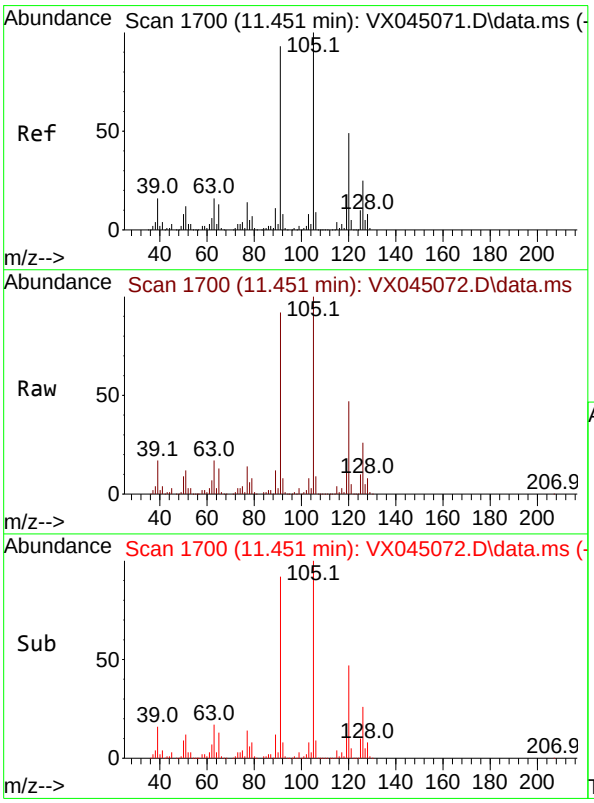
#79
2-Chlorotoluene
Concen: 96.825 ug/l
RT: 11.359 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 91 Resp: 382703

Ion	Ratio	Lower	Upper
91	100		
126	32.7	16.4	49.4

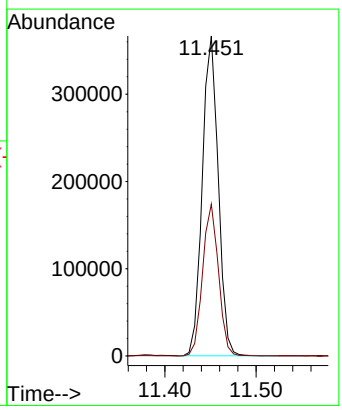


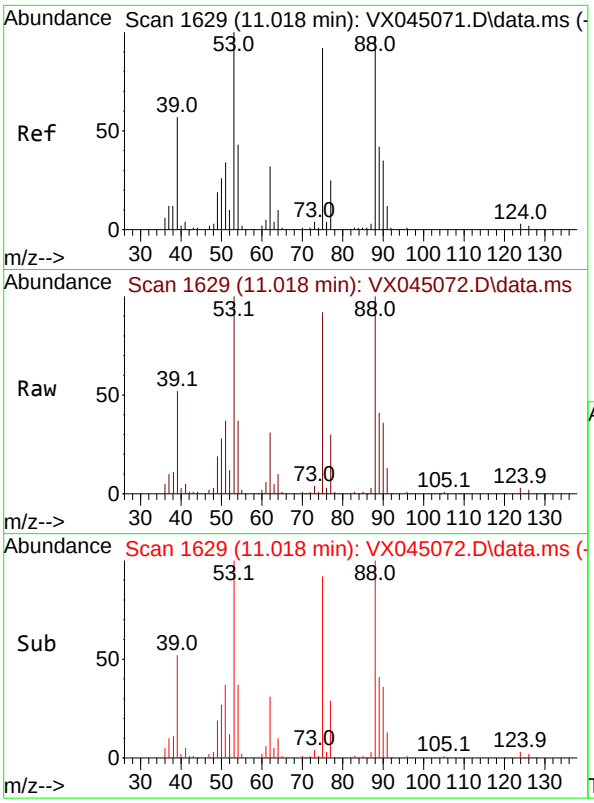


#80
1,3,5-Trimethylbenzene
Concen: 98.356 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:105 Resp: 445466

Ion	Ratio	Lower	Upper
105	100		
120	47.1	24.1	72.2



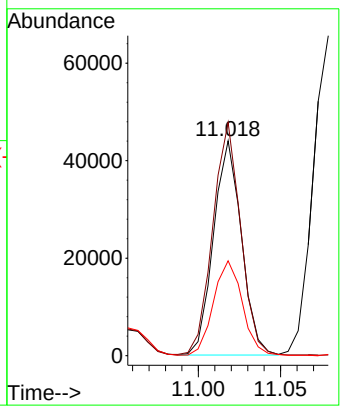


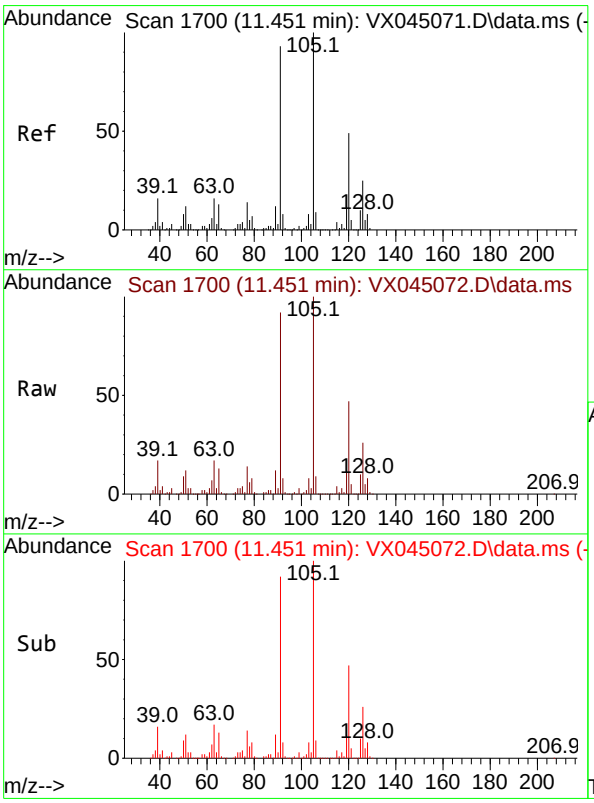
#81
trans-1,4-Dichloro-2-butene
Concen: 91.460 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

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

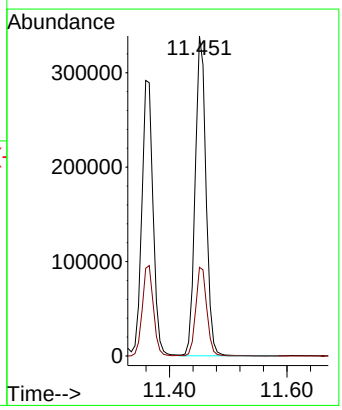


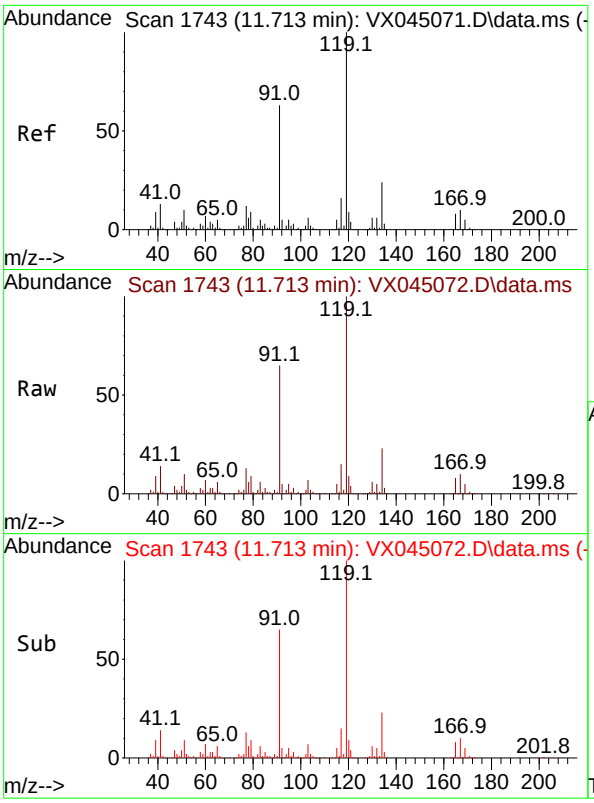


#82
4-Chlorotoluene
Concen: 99.168 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 91 Resp: 433881

Ion	Ratio	Lower	Upper
91	100		
126	28.2	14.1	42.4



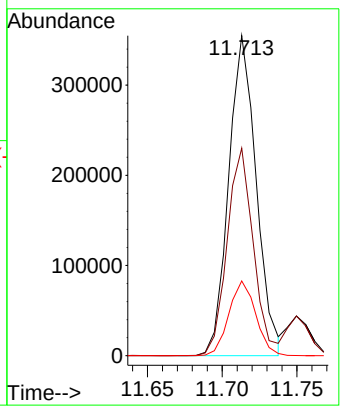


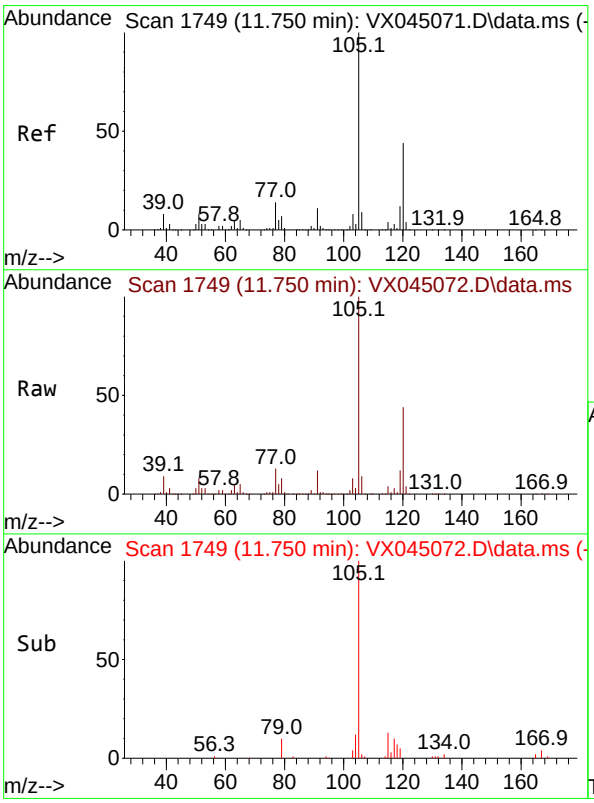
#83
tert-Butylbenzene
Concen: 99.288 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

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

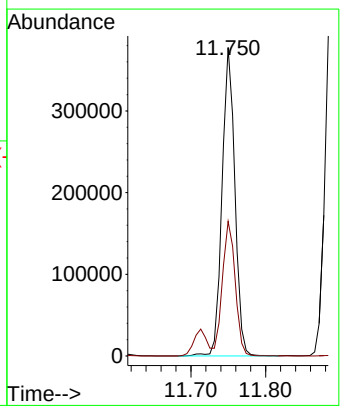


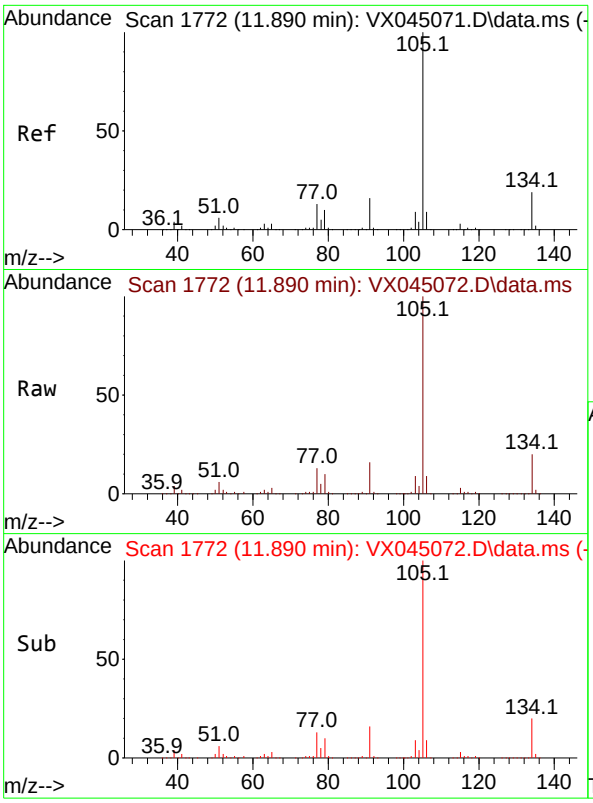


#84
1,2,4-Trimethylbenzene
Concen: 100.926 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:105 Resp: 450108

Ion	Ratio	Lower	Upper
105	100		
120	43.4	22.1	66.1



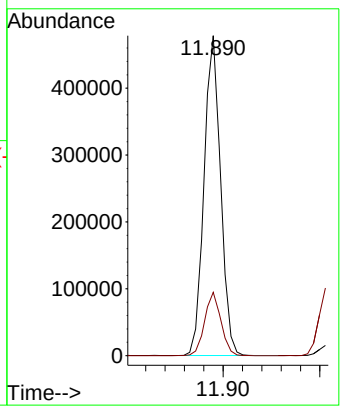


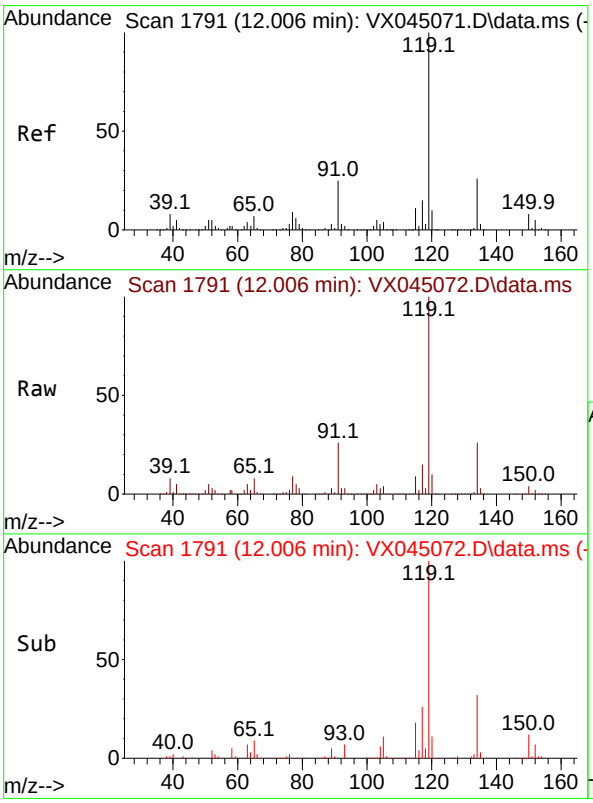
#85
sec-Butylbenzene
Concen: 100.517 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:105 Resp: 570006

Ion	Ratio	Lower	Upper
105	100		
134	19.6	9.8	29.4

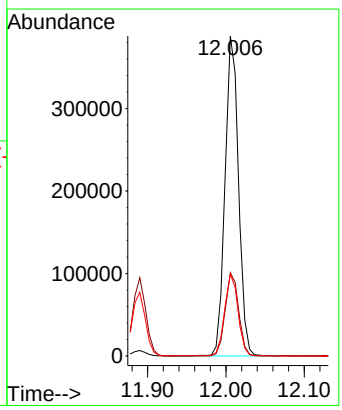


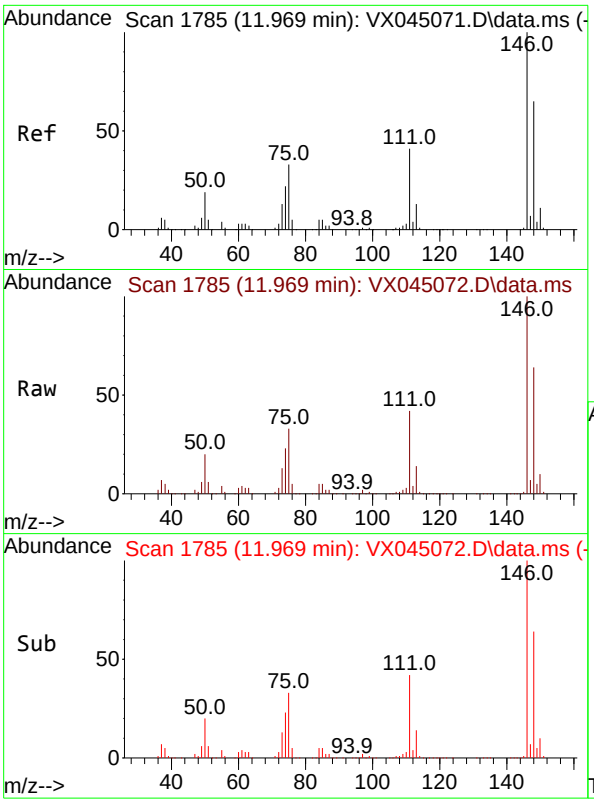


#86
p-Isopropyltoluene
Concen: 102.252 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

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



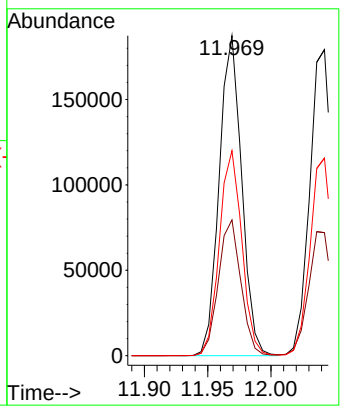


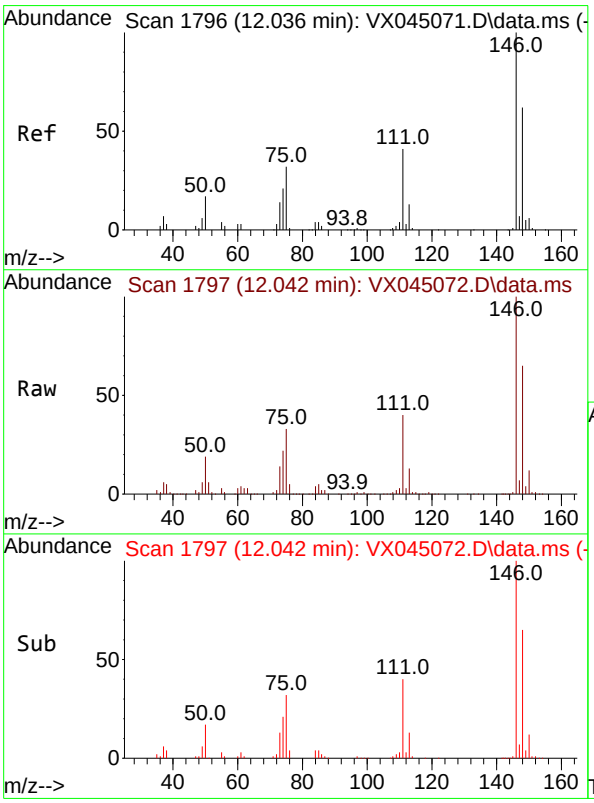
#87
1,3-Dichlorobenzene
Concen: 99.903 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

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

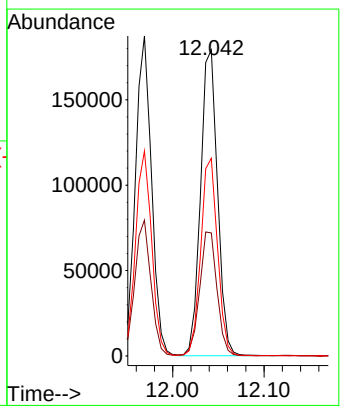


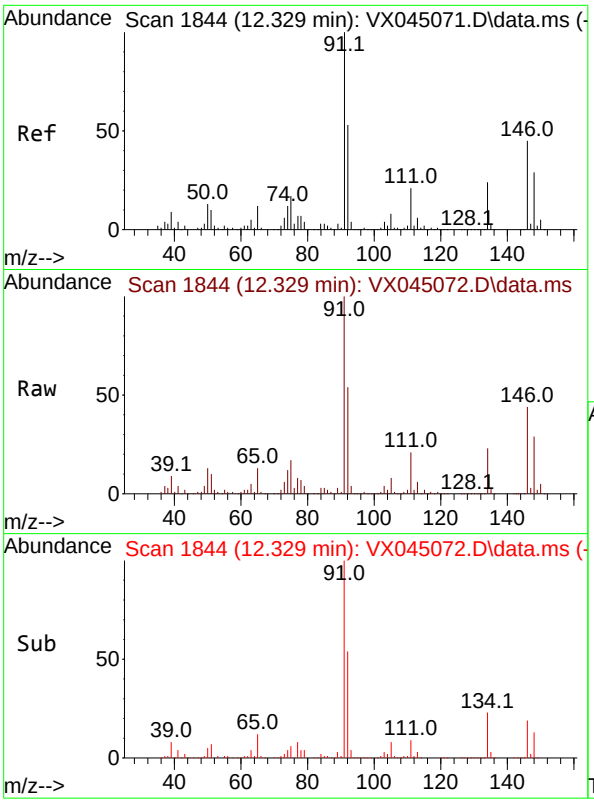


#88
1,4-Dichlorobenzene
Concen: 98.355 ug/l
RT: 12.042 min Scan# 1797
Delta R.T. 0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

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



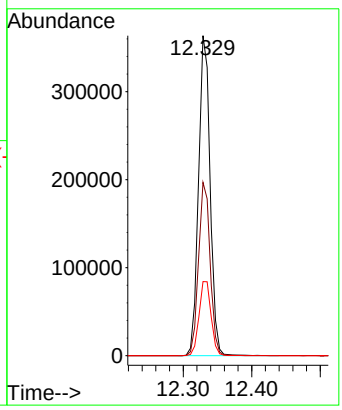


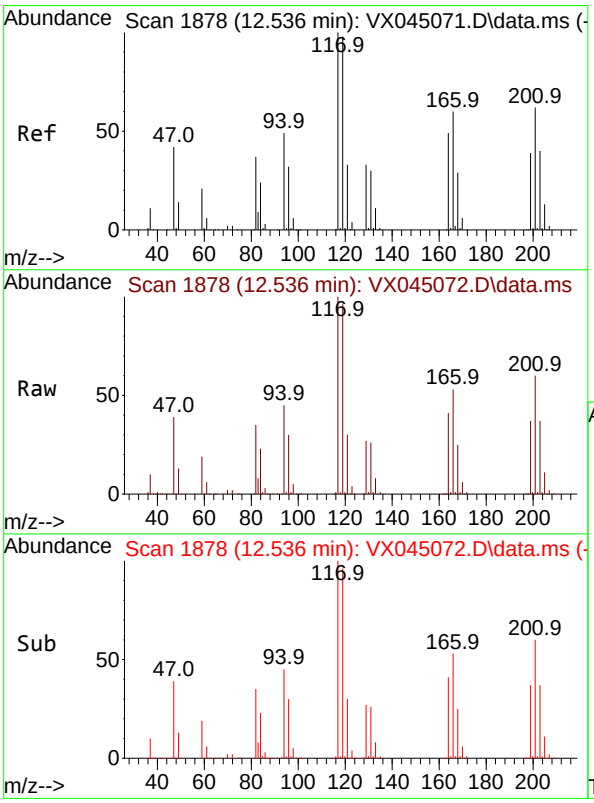
#89
n-Butylbenzene
Concen: 107.000 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

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

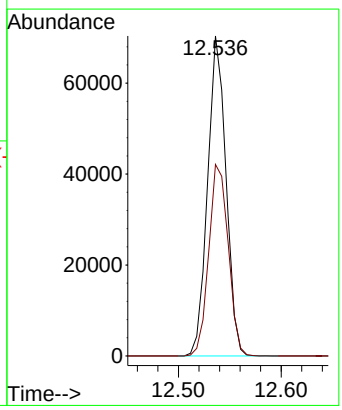


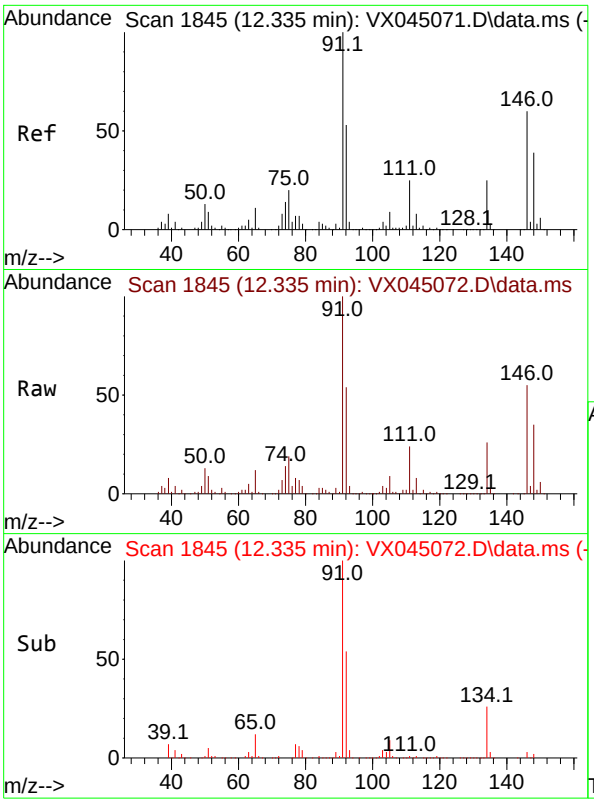


#90
Hexachloroethane
Concen: 102.980 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:117 Resp: 87448

Ion	Ratio	Lower	Upper
117	100		
201	63.4	31.9	95.9



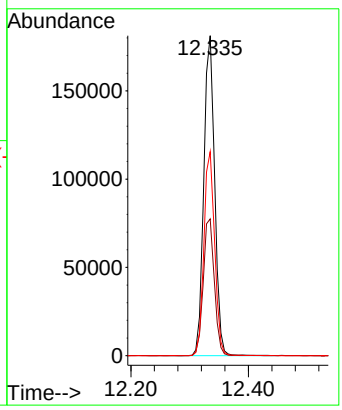


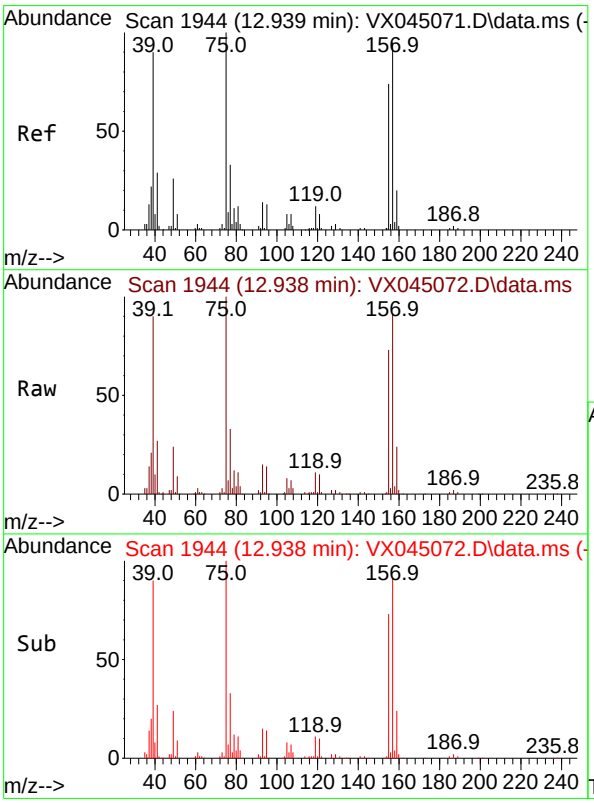
#91
1,2-Dichlorobenzene
Concen: 102.254 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

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

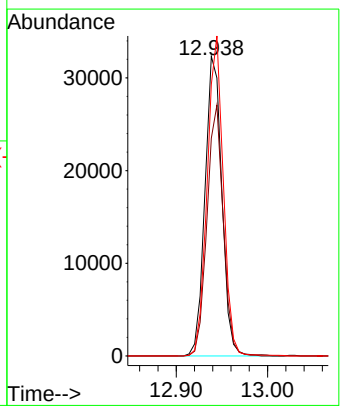


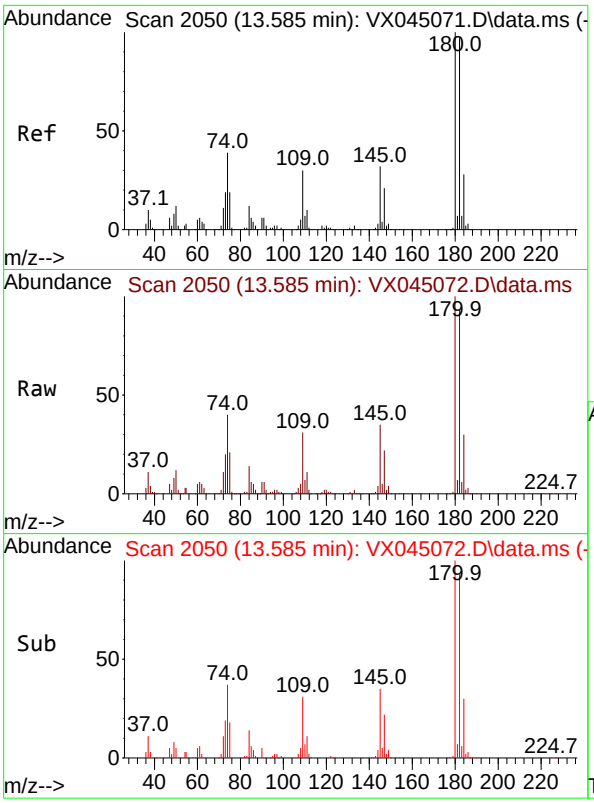


#92
1,2-Dibromo-3-Chloropropane
Concen: 116.296 ug/l
RT: 12.938 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

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



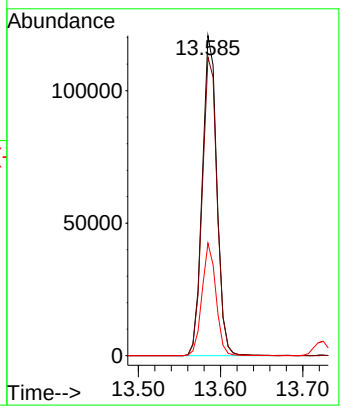


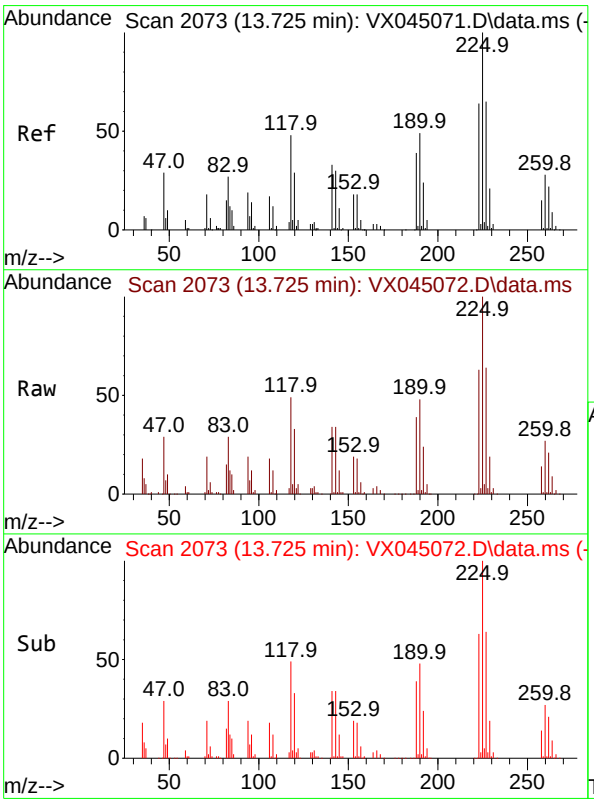
#93
1,2,4-Trichlorobenzene
Concen: 107.648 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

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

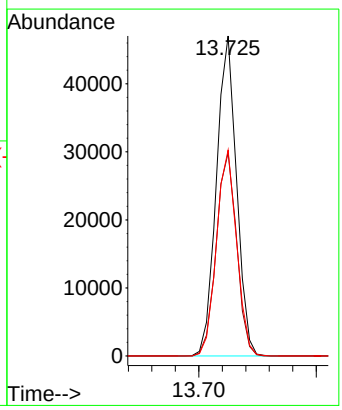


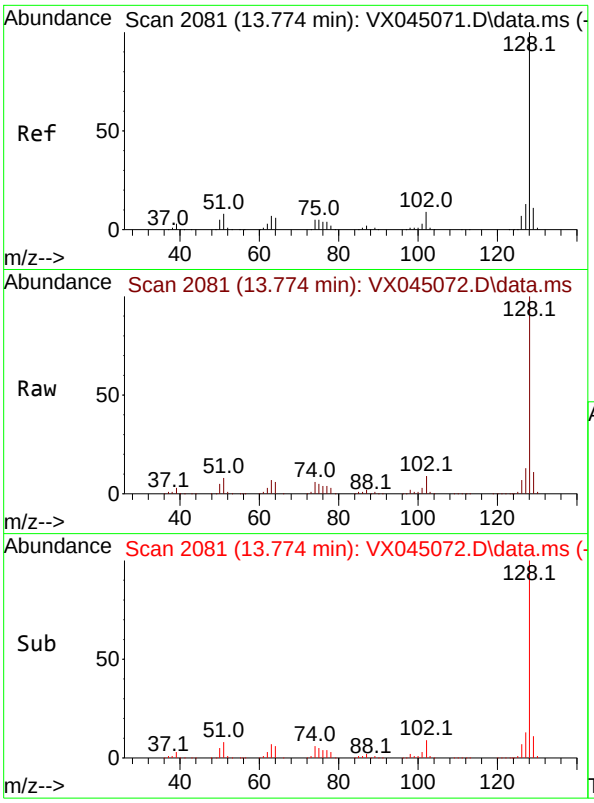


#94
Hexachlorobutadiene
Concen: 102.019 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

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



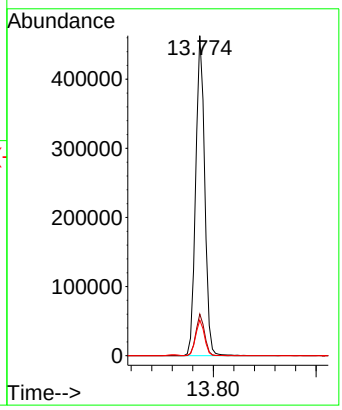


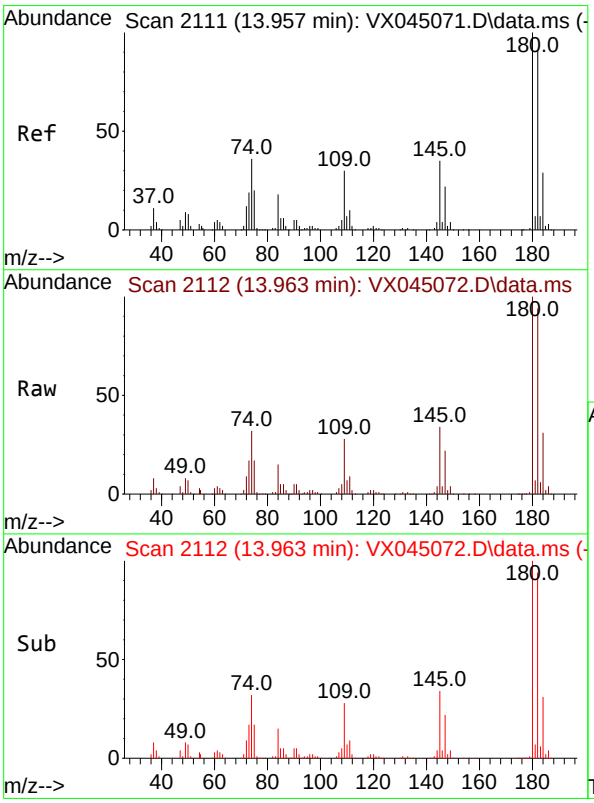
#95
Naphthalene
Concen: 112.593 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

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

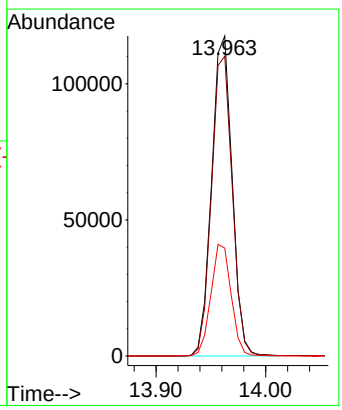




#96
1,2,3-Trichlorobenzene
Concen: 109.554 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

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

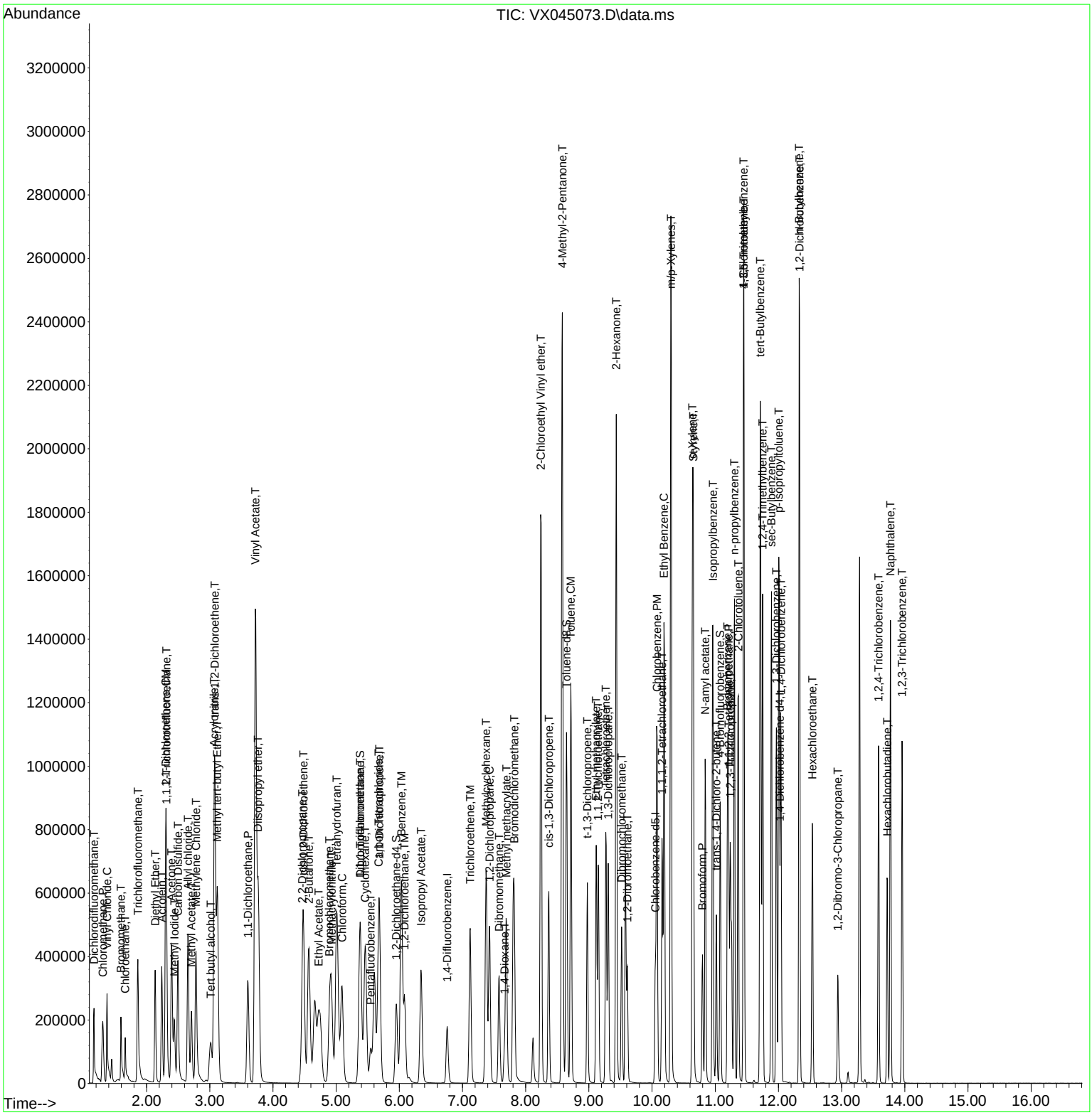
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

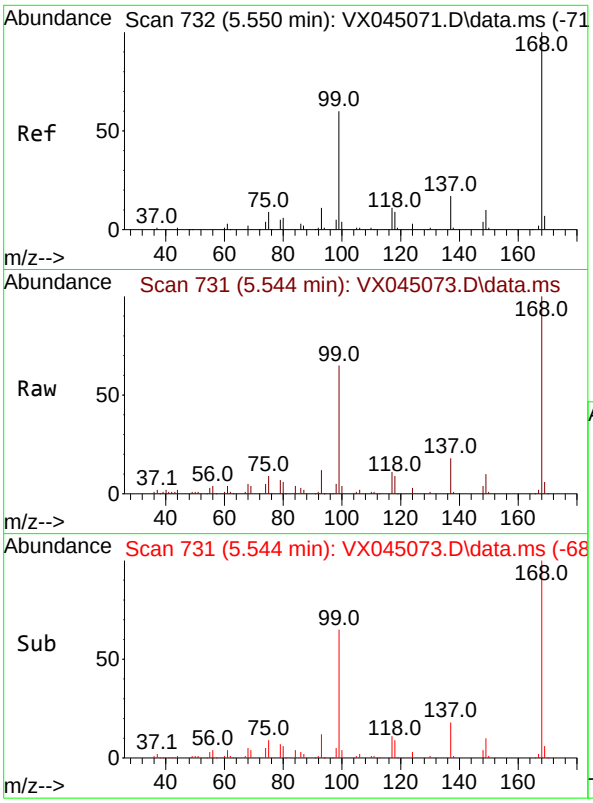
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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



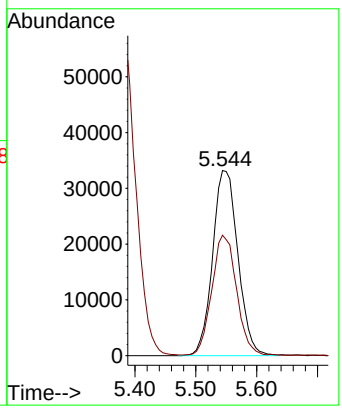


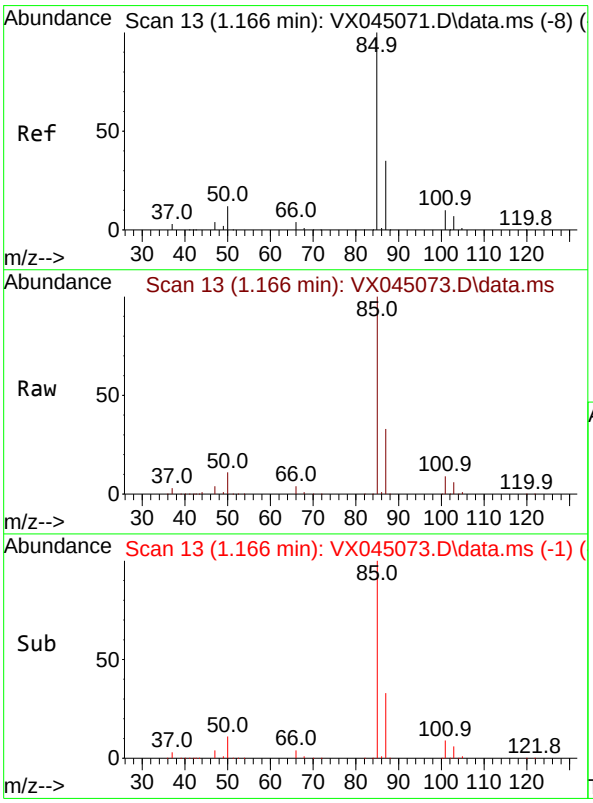
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:168 Resp: 95754

Ion	Ratio	Lower	Upper
168	100		
99	64.8	48.2	72.4

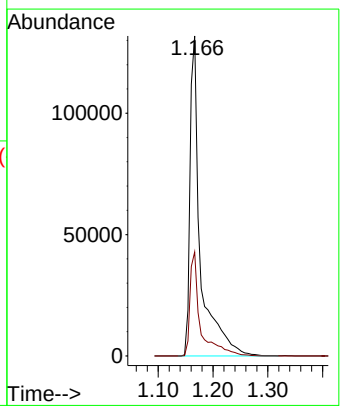


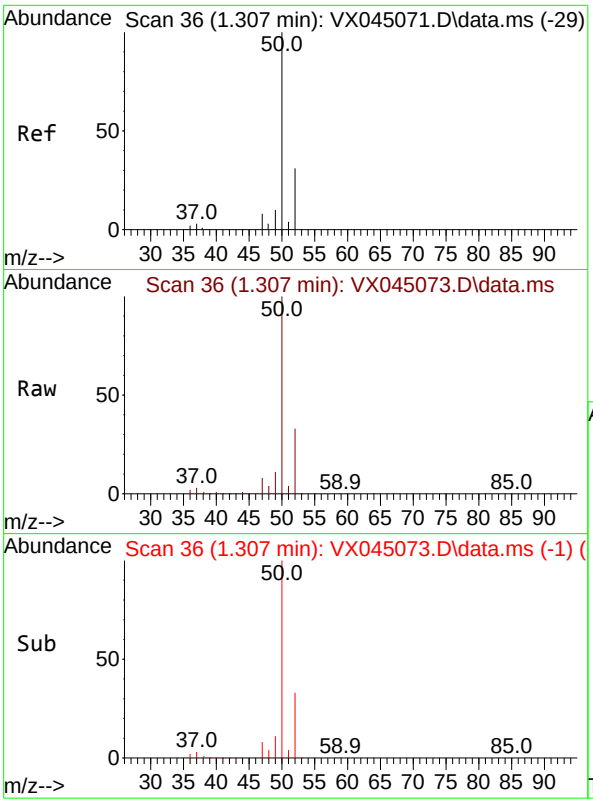


#2
Dichlorodifluoromethane
Concen: 132.067 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 85 Resp: 174297

Ion	Ratio	Lower	Upper
85	100		
87	32.5	17.4	52.3



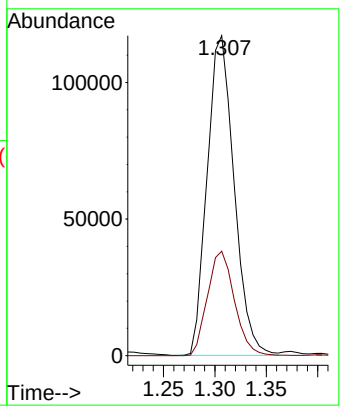


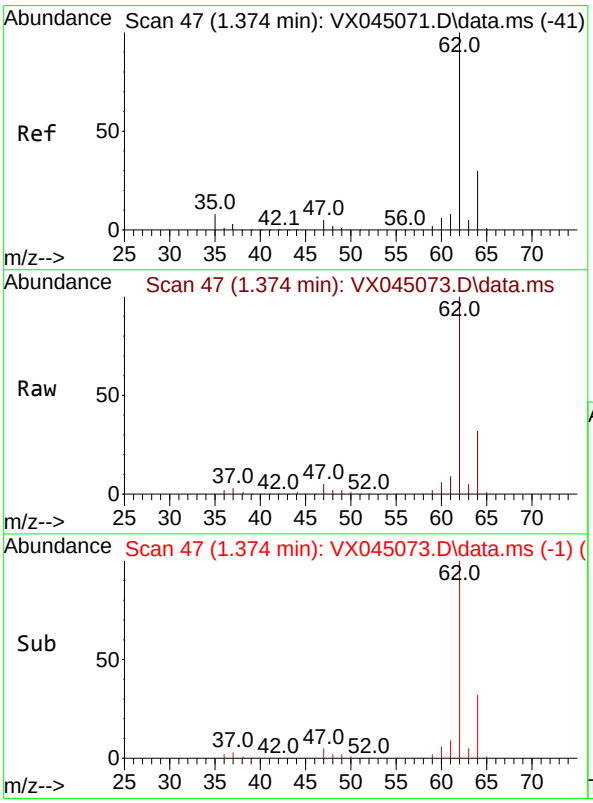
#3
Chloromethane
Concen: 133.072 ug/l
RT: 1.307 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 50 Resp: 213704

Ion	Ratio	Lower	Upper
50	100		
52	32.7	25.0	37.4

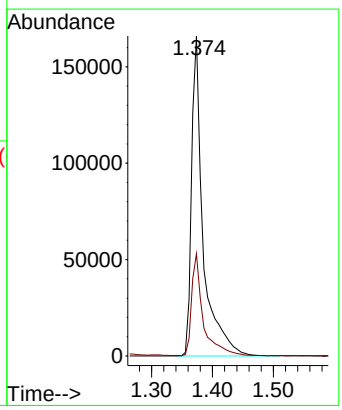


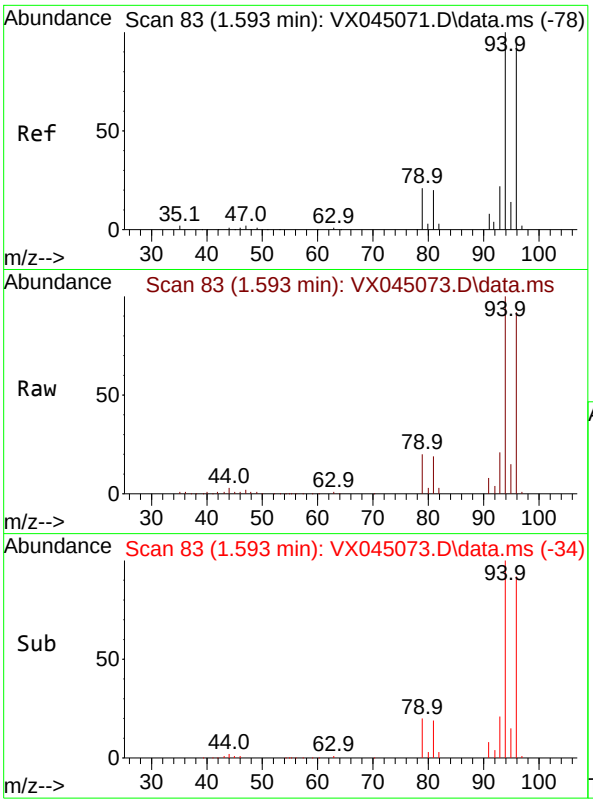


#4
Vinyl Chloride
Concen: 138.774 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 62 Resp: 217672

Ion	Ratio	Lower	Upper
62	100		
64	31.8	24.3	36.5



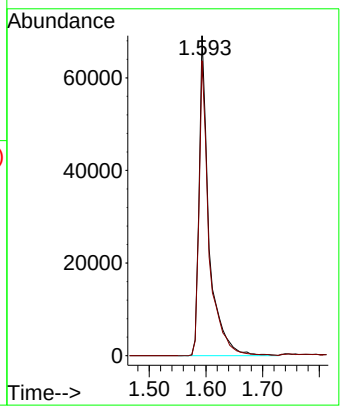


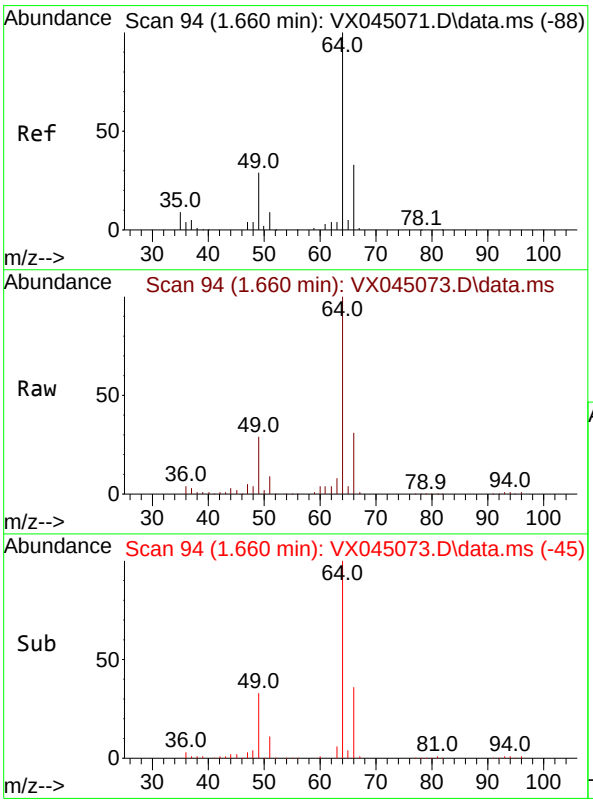
#5
Bromomethane
Concen: 170.379 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 94 Resp: 83547

Ion	Ratio	Lower	Upper
94	100		
96	92.2	75.0	112.4

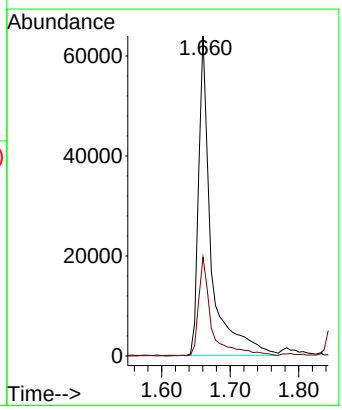


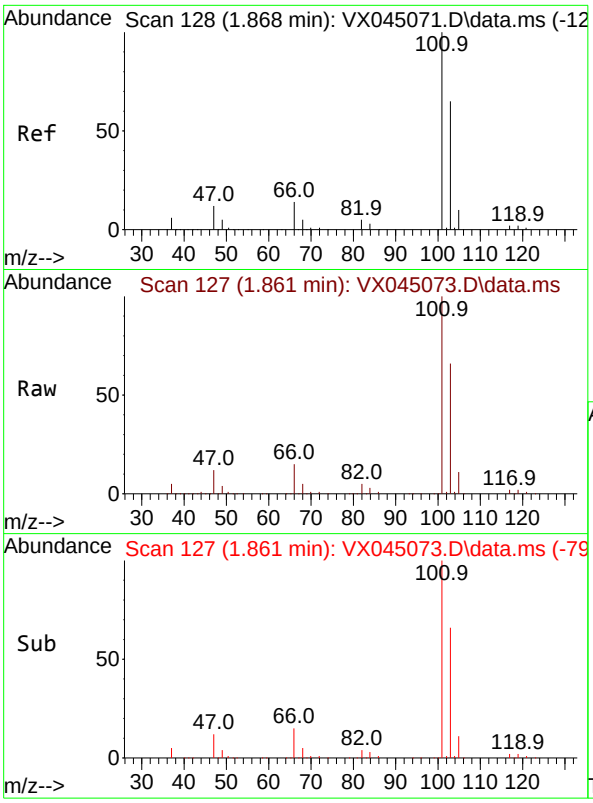


#6
Chloroethane
Concen: 137.509 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 64 Resp: 82101

Ion	Ratio	Lower	Upper
64	100		
66	30.8	26.7	40.1



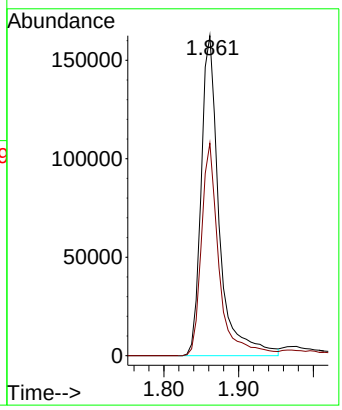


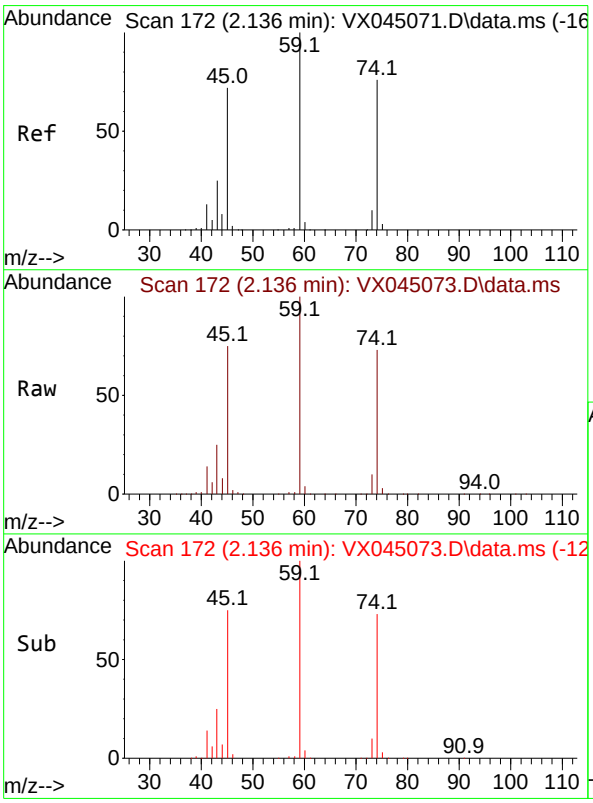
#7
Trichlorofluoromethane
Concen: 135.494 ug/l
RT: 1.861 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:101 Resp: 272235

Ion	Ratio	Lower	Upper
101	100		
103	66.4	52.1	78.1

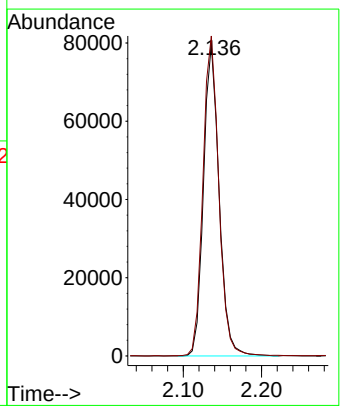


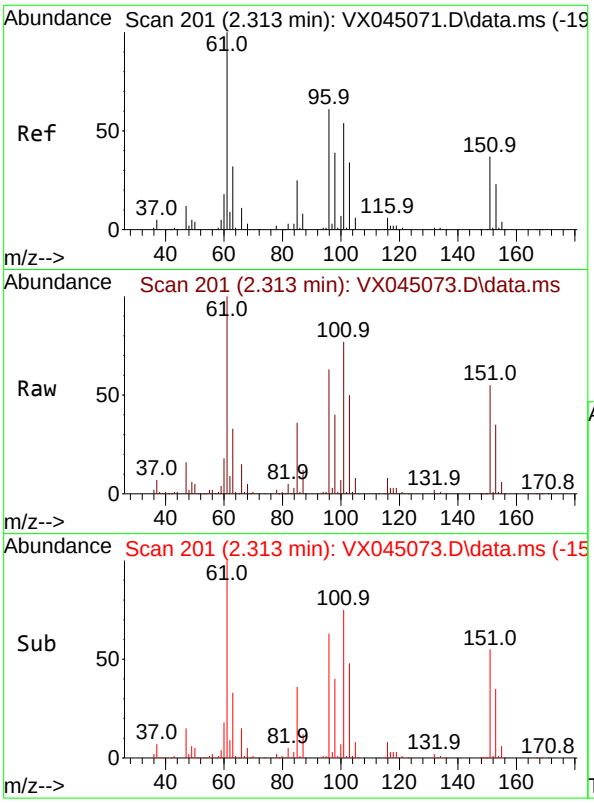


#8
Diethyl Ether
Concen: 150.660 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 74 Resp: 110005

Ion	Ratio	Lower	Upper
74	100		
45	104.9	51.5	154.5



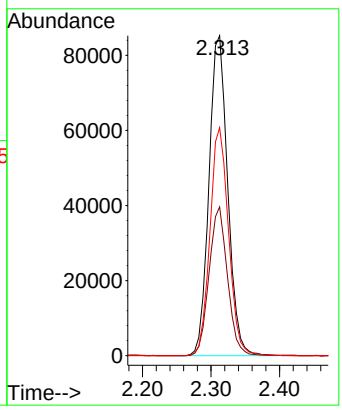


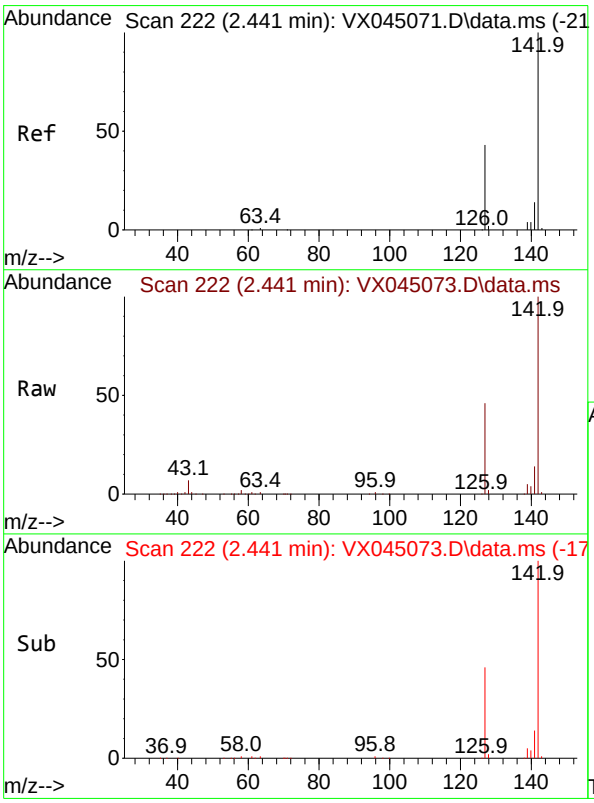
#9
1,1,2-Trichlorotrifluoroethane
Concen: 134.877 ug/l
RT: 2.313 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

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

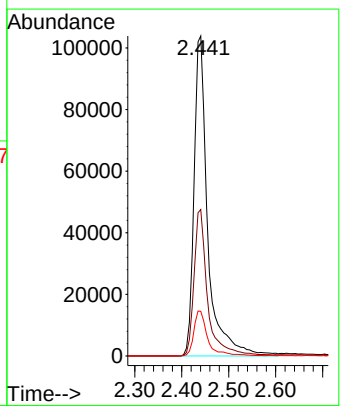


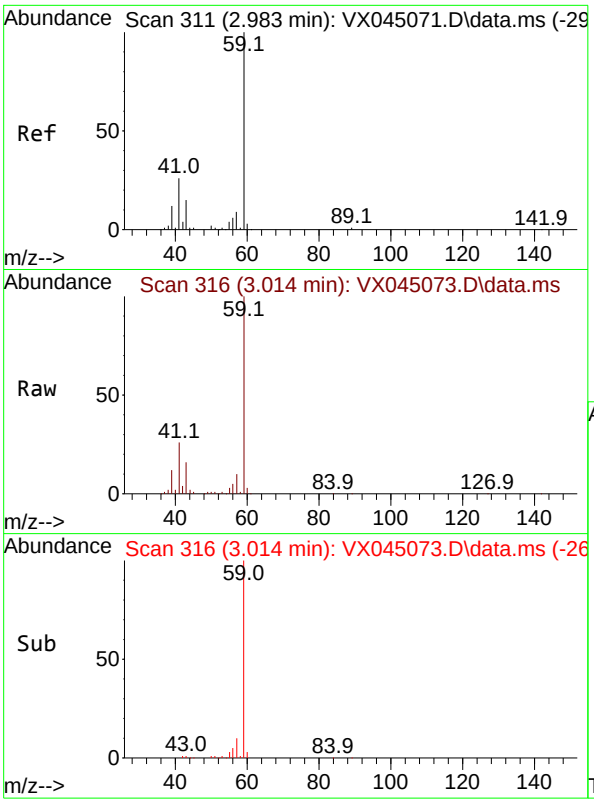


#10
Methyl Iodide
Concen: 138.059 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

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



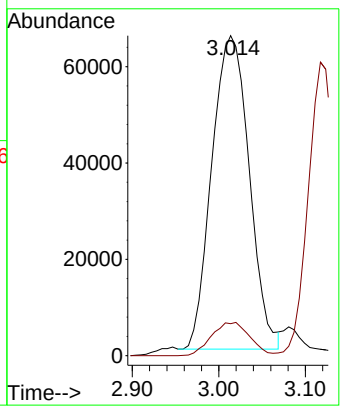


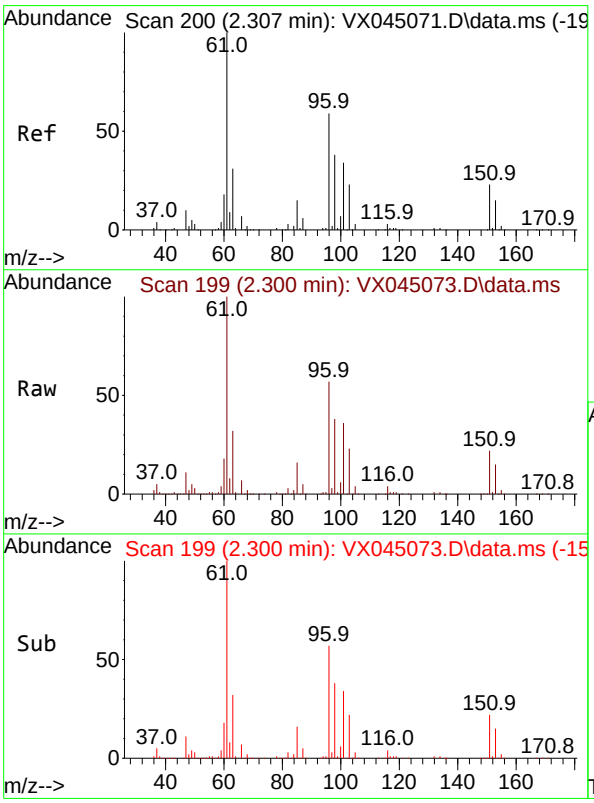
#11
Tert butyl alcohol
Concen: 754.176 ug/l
RT: 3.014 min Scan# 3
Delta R.T. 0.030 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 59 Resp: 195415

Ion	Ratio	Lower	Upper
59	100		
57	10.9	7.8	11.8

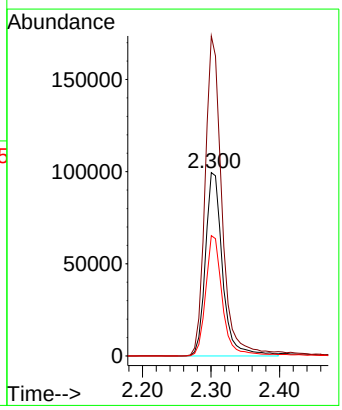


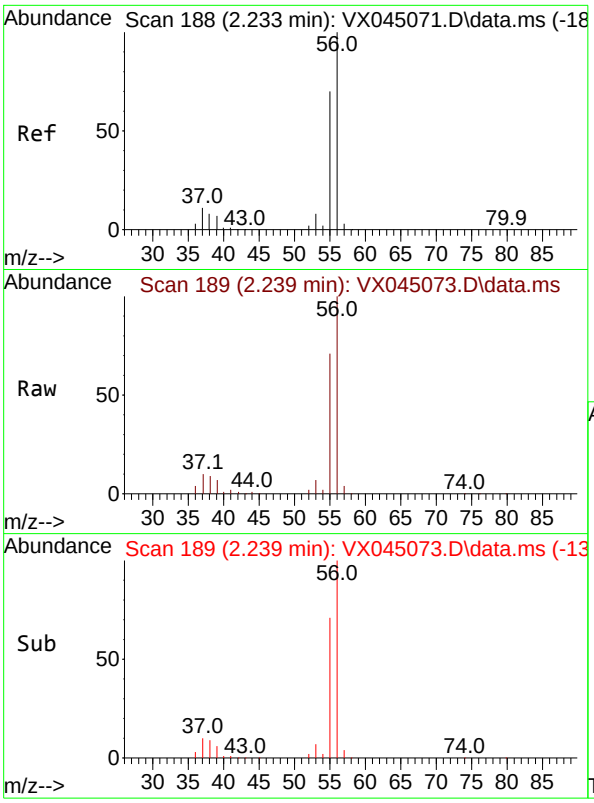


#12
1,1-Dichloroethene
Concen: 140.655 ug/l
RT: 2.300 min Scan# 199
Delta R.T. -0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

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



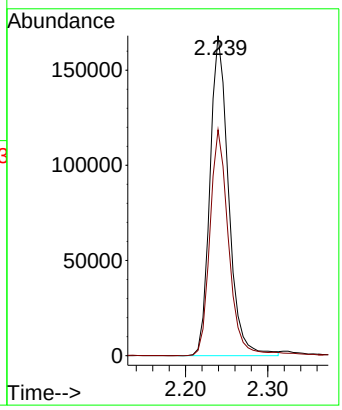


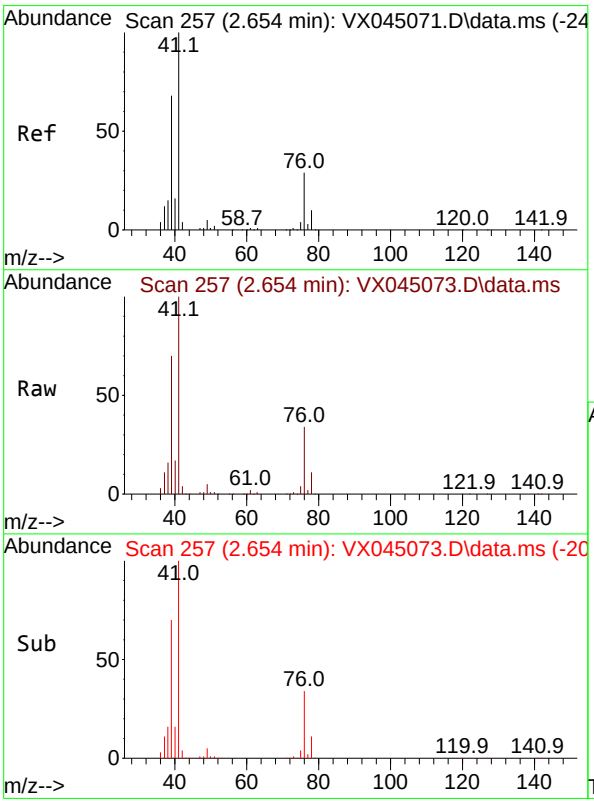
#13
Acrolein
Concen: 940.846 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 56 Resp: 263999

Ion	Ratio	Lower	Upper
56	100		
55	71.6	56.2	84.4

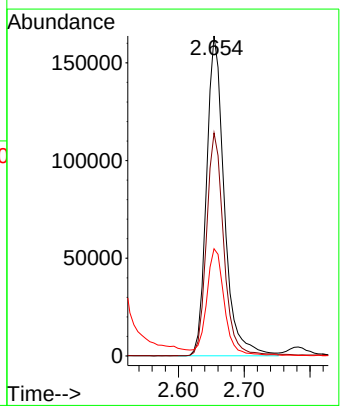


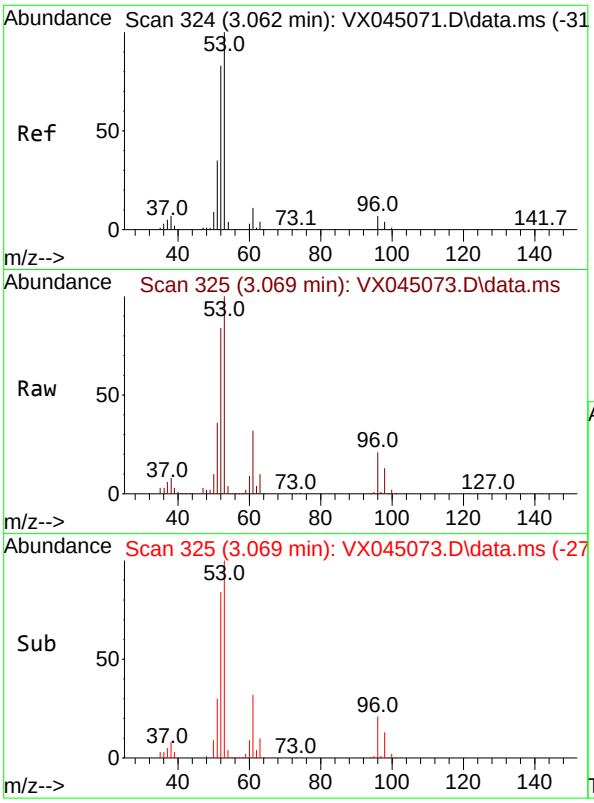


#14
Allyl chloride
Concen: 139.077 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

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



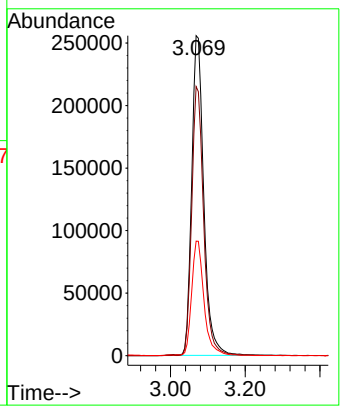


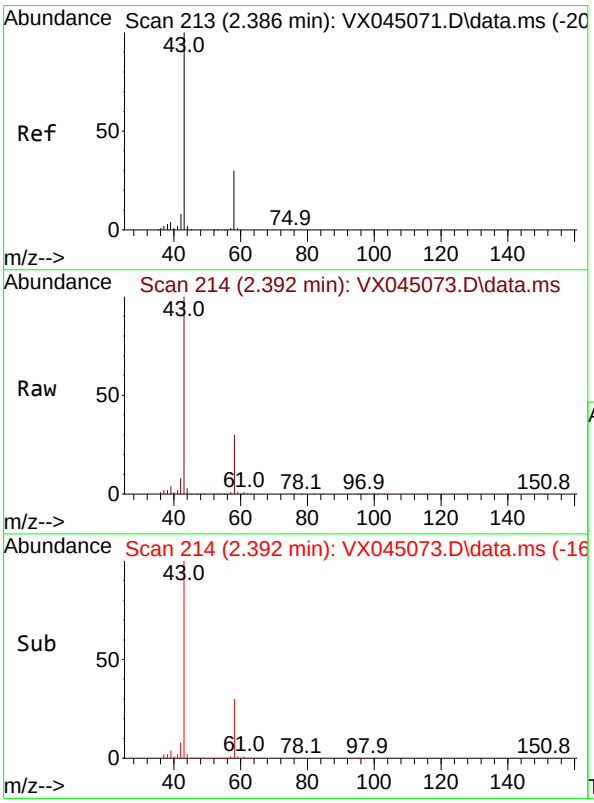
#15
Acrylonitrile
Concen: 813.990 ug/l
RT: 3.069 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

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

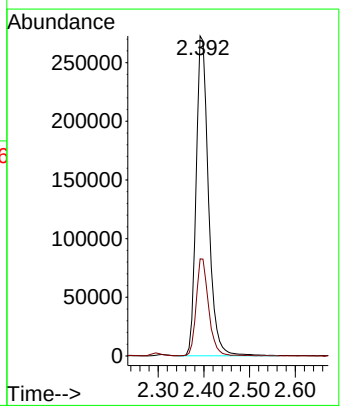


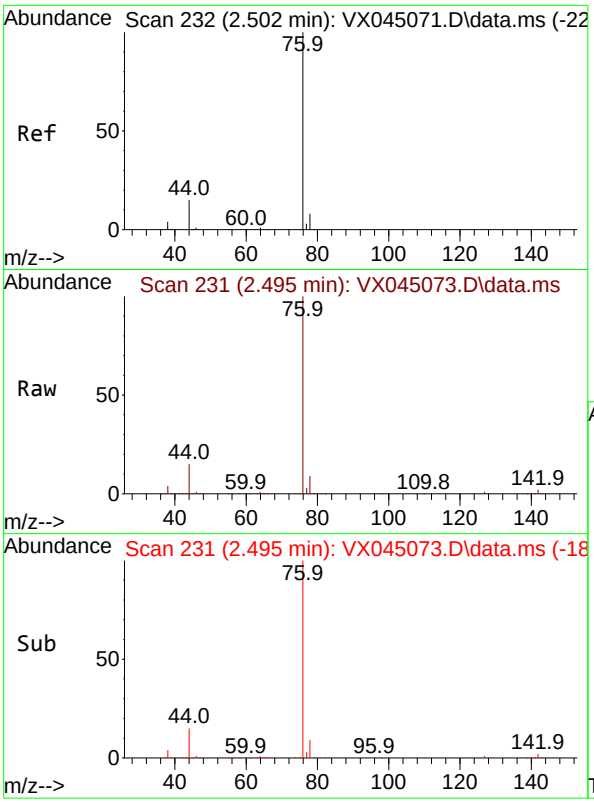


#16
Acetone
Concen: 879.387 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 43 Resp: 511828

Ion	Ratio	Lower	Upper
43	100		
58	30.3	24.2	36.4



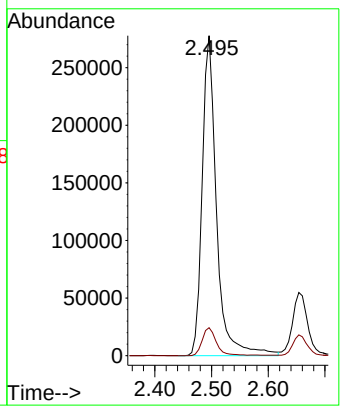


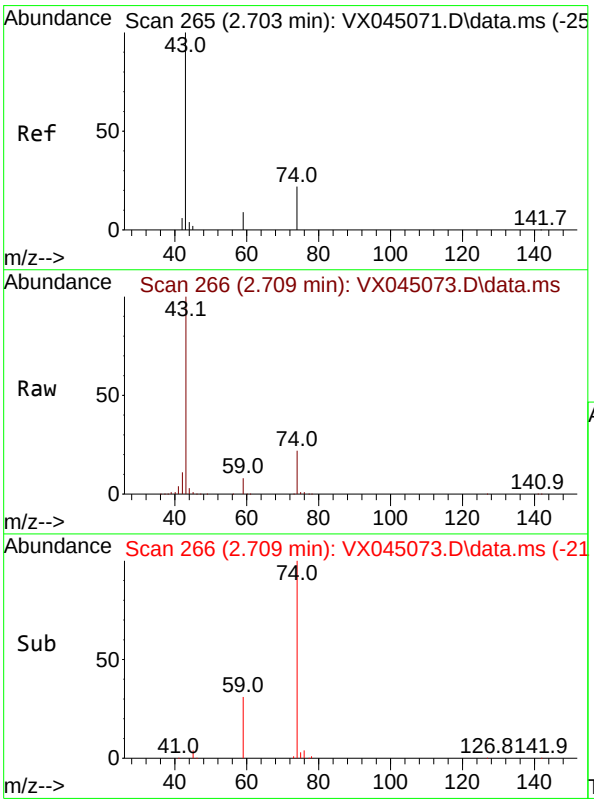
#17
Carbon Disulfide
Concen: 145.511 ug/l
RT: 2.495 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 76 Resp: 487720

Ion	Ratio	Lower	Upper
76	100		
78	8.8	6.6	9.8

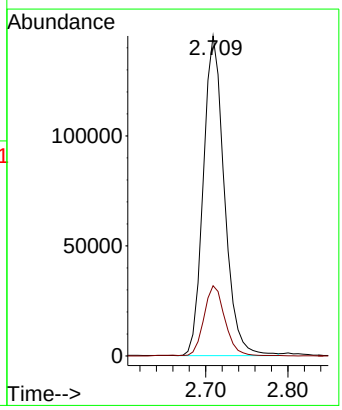


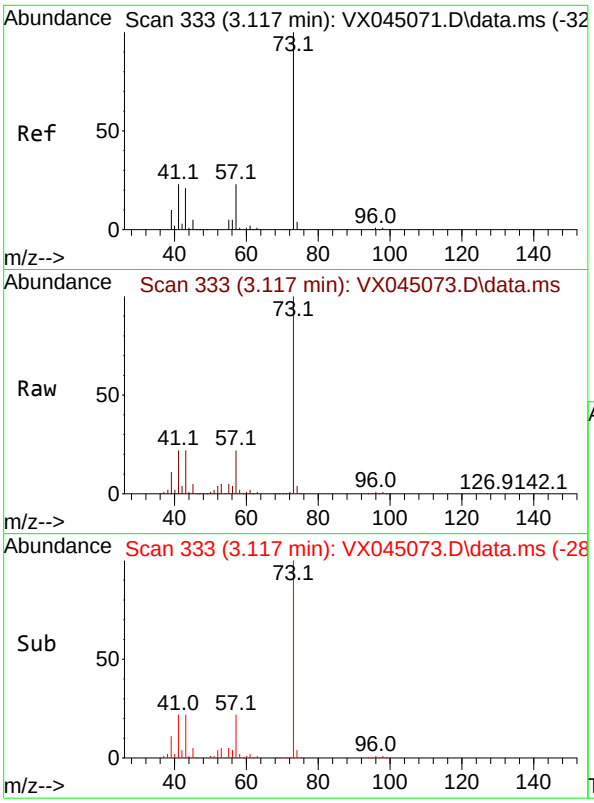


#18
Methyl Acetate
Concen: 147.347 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 43 Resp: 258303

Ion	Ratio	Lower	Upper
43	100		
74	22.0	17.4	26.2



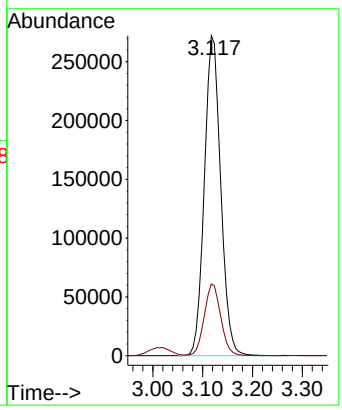


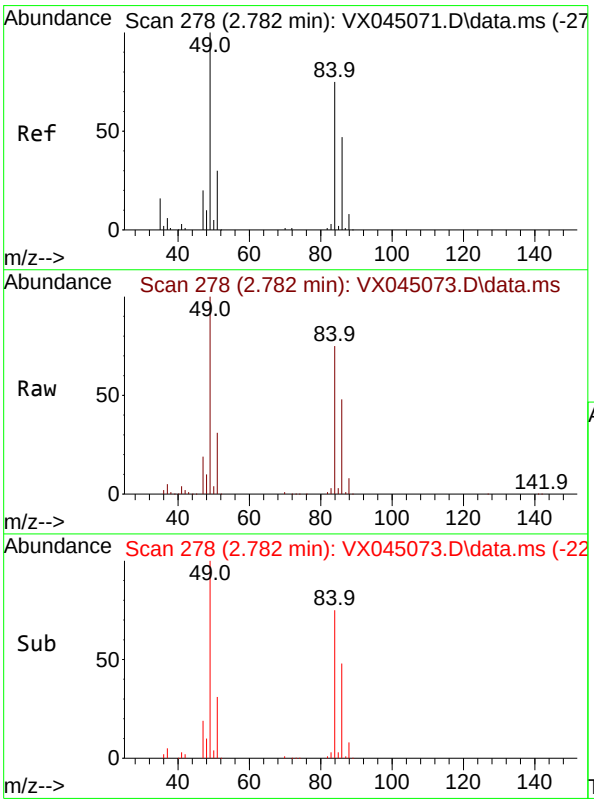
#19
Methyl tert-butyl Ether
Concen: 157.358 ug/l
RT: 3.117 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 73 Resp: 619778

Ion	Ratio	Lower	Upper
73	100		
57	22.4	18.5	27.7

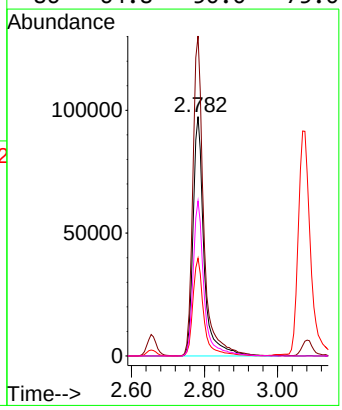


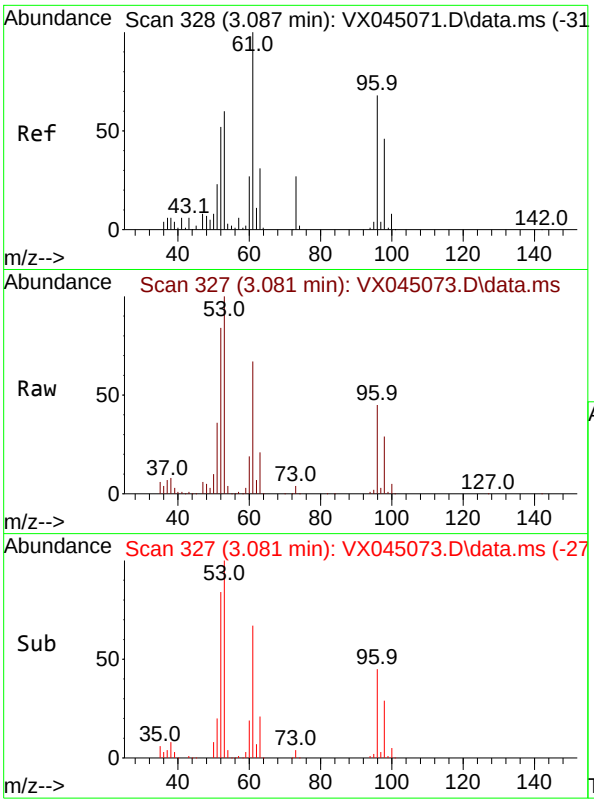


#20
Methylene Chloride
Concen: 147.198 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

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



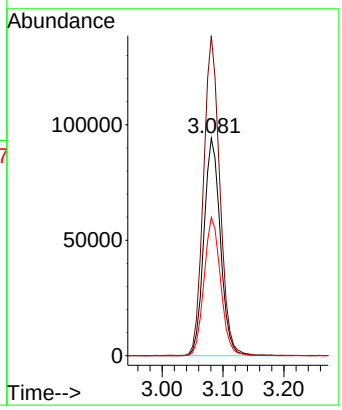


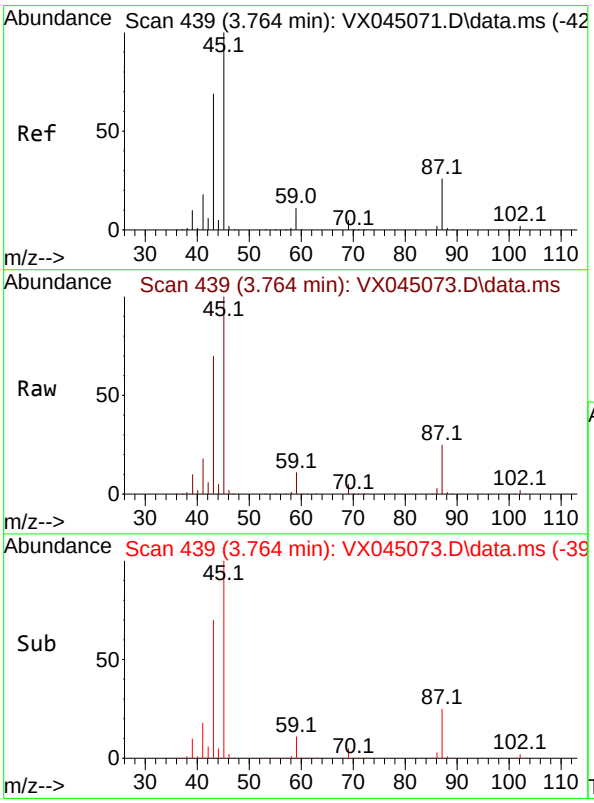
#21
trans-1,2-Dichloroethene
Concen: 146.027 ug/l
RT: 3.081 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

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

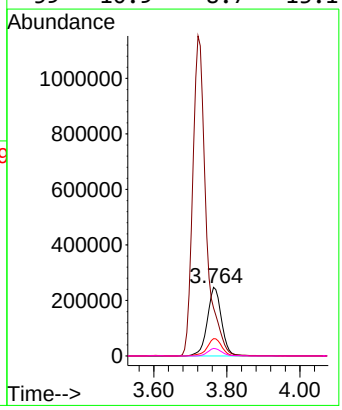


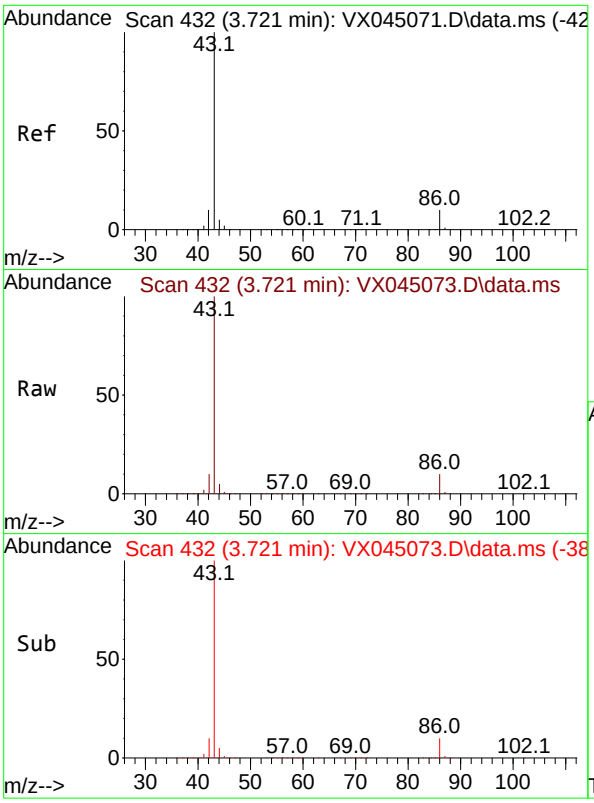


#22
Diisopropyl ether
Concen: 156.526 ug/l
RT: 3.764 min Scan# 439
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

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



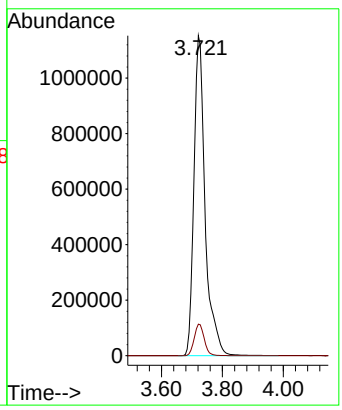


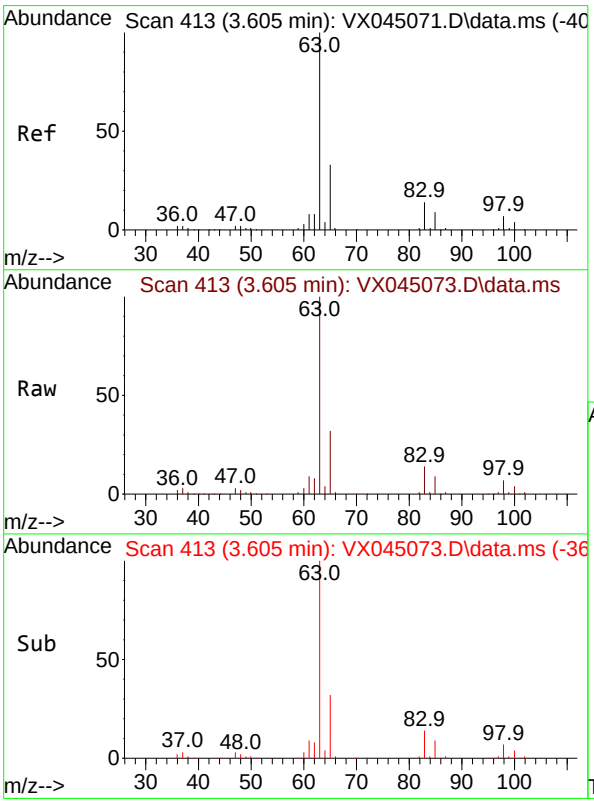
#23
Vinyl Acetate
Concen: 846.586 ug/l
RT: 3.721 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 2943150

Ion	Ratio	Lower	Upper
43	100		
86	9.8	8.1	12.1

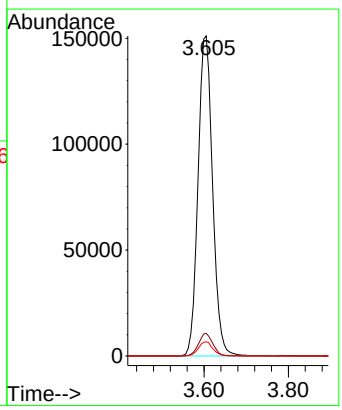


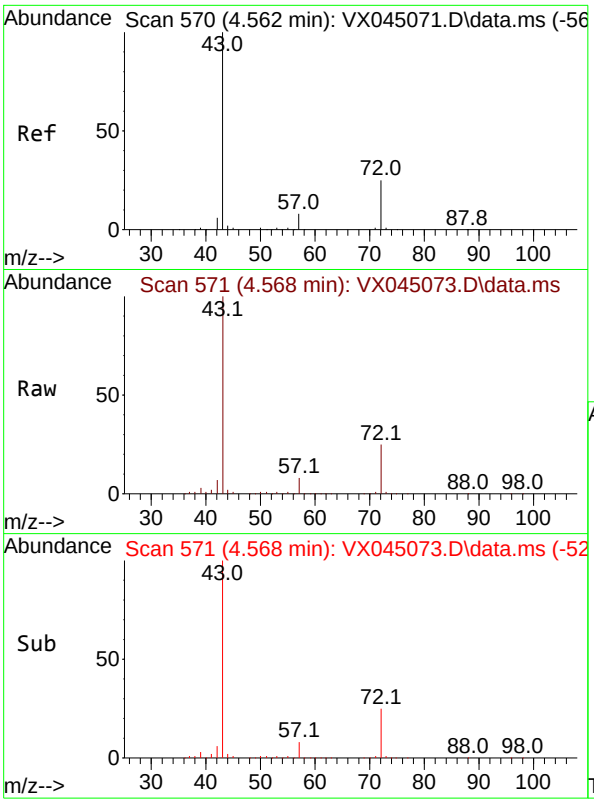


#24
1,1-Dichloroethane
Concen: 153.453 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

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



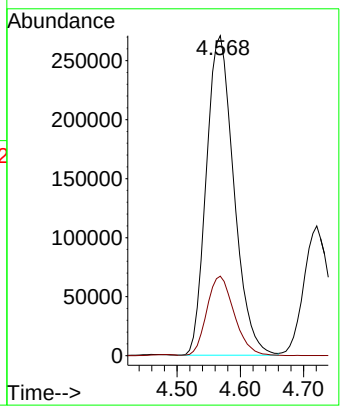


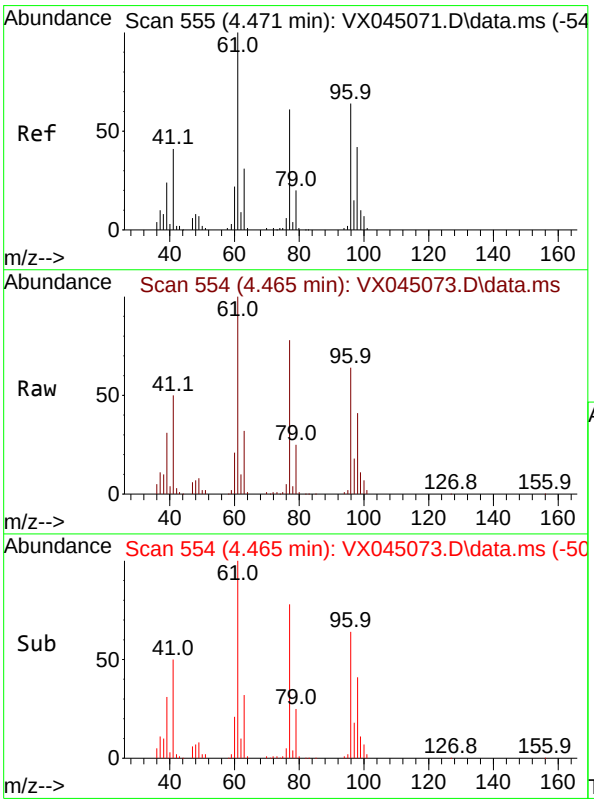
#25
2-Butanone
Concen: 872.239 ug/l
RT: 4.568 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 818497

Ion	Ratio	Lower	Upper
43	100		
72	24.7	20.0	30.0

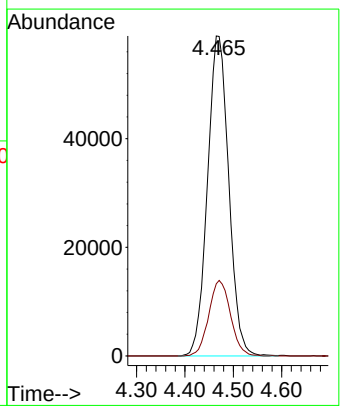


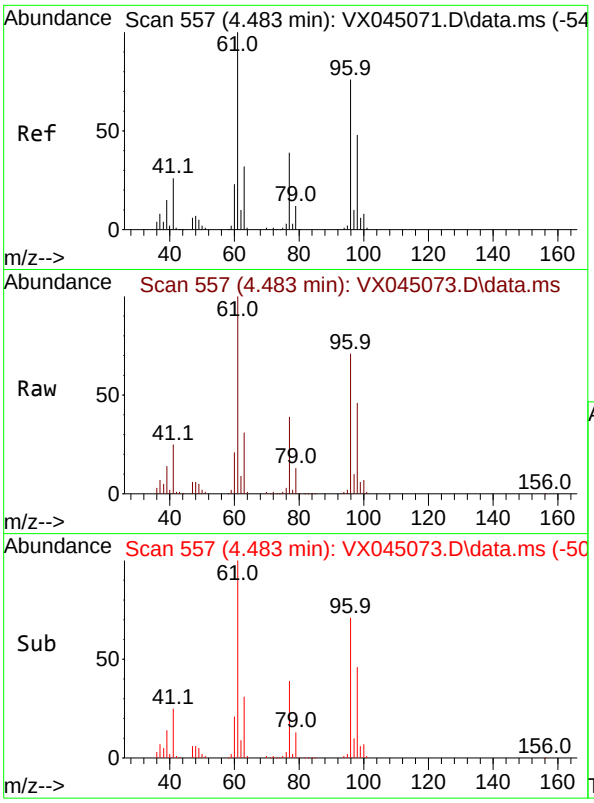


#26
2,2-Dichloropropane
Concen: 102.231 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 77 Resp: 179826

Ion	Ratio	Lower	Upper
77	100		
97	24.1	12.4	37.0



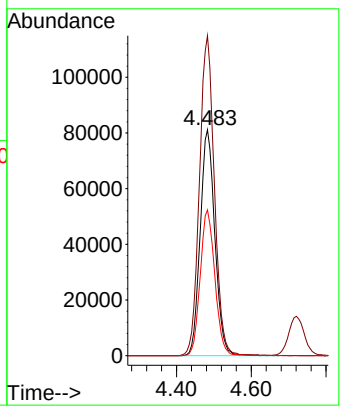


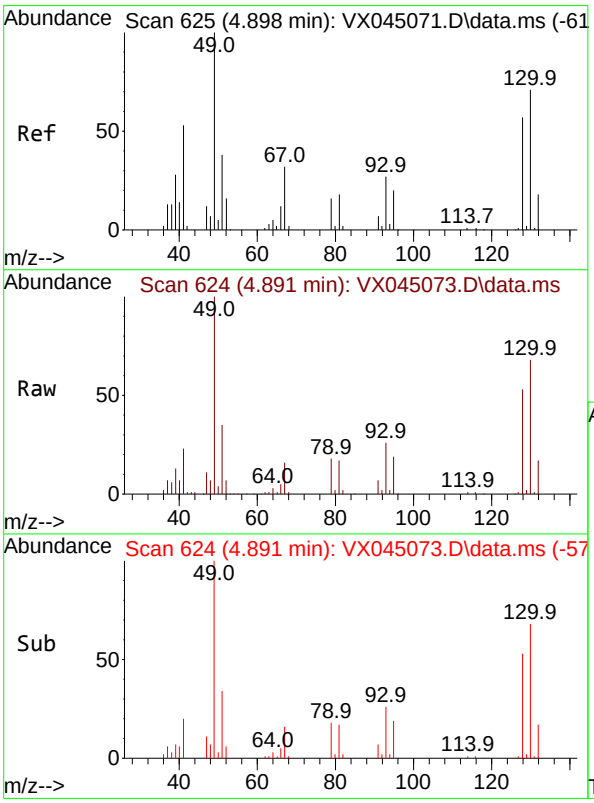
#27
cis-1,2-Dichloroethene
Concen: 151.205 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

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

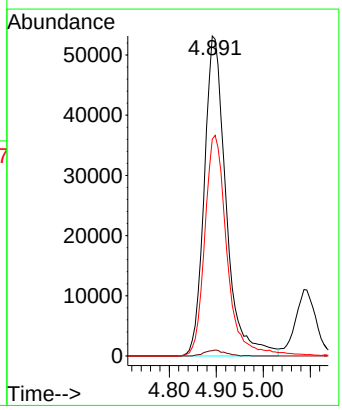


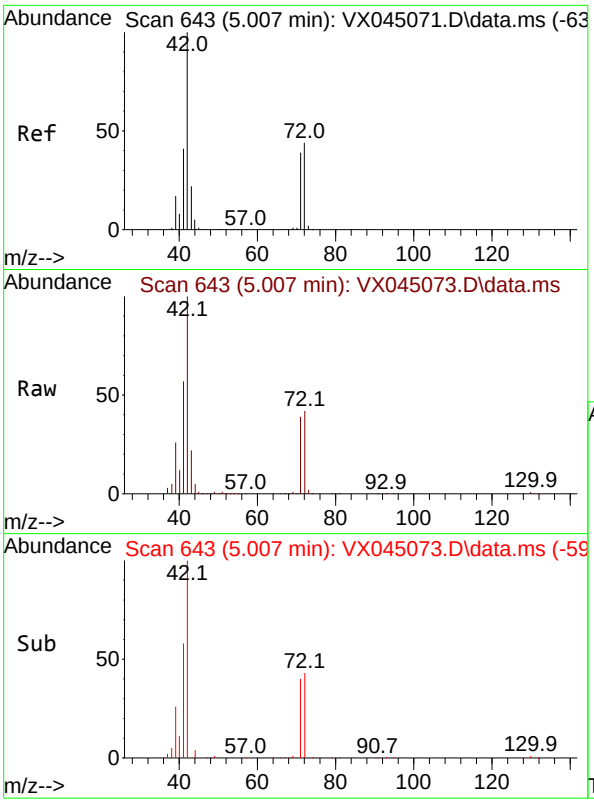


#28
Bromochloromethane
Concen: 150.105 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

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



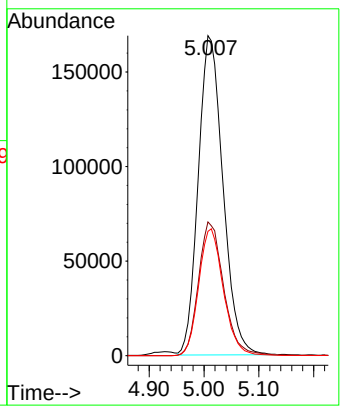


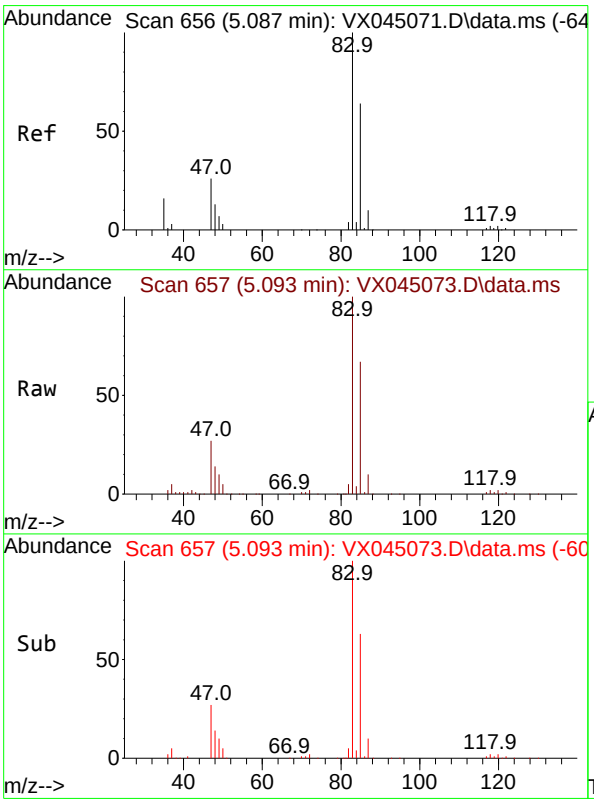
#29
Tetrahydrofuran
Concen: 850.174 ug/l
RT: 5.007 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

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

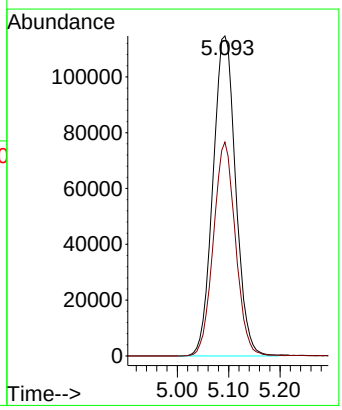


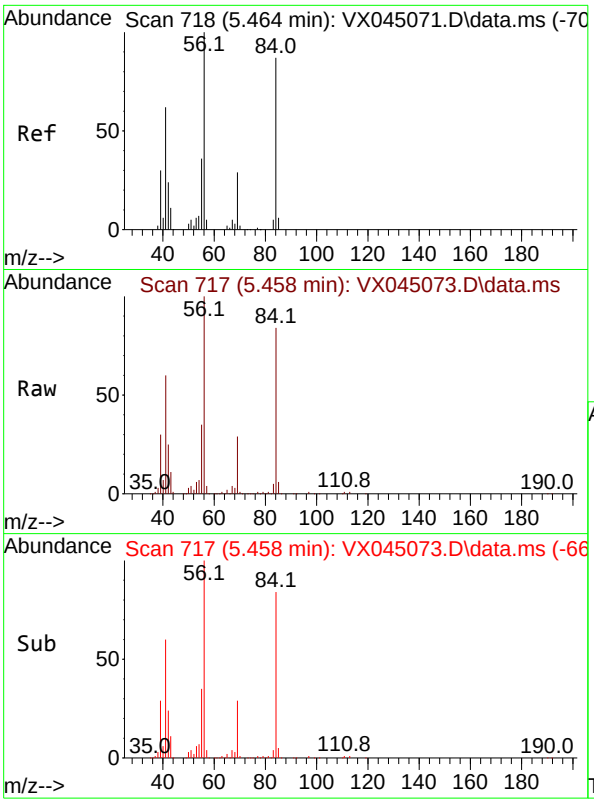


#30
Chloroform
Concen: 152.067 ug/l
RT: 5.093 min Scan# 657
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 83 Resp: 351934

Ion	Ratio	Lower	Upper
83	100		
85	66.9	51.4	77.2



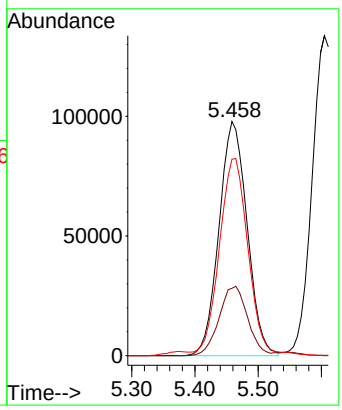


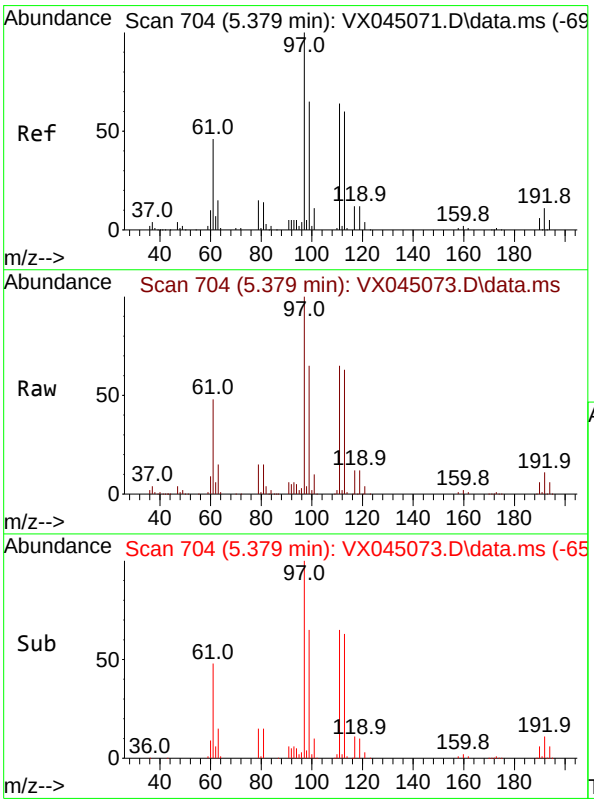
#31
Cyclohexane
Concen: 139.174 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

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

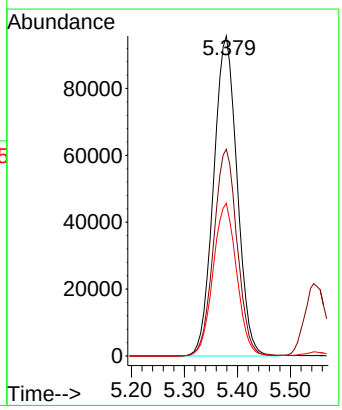


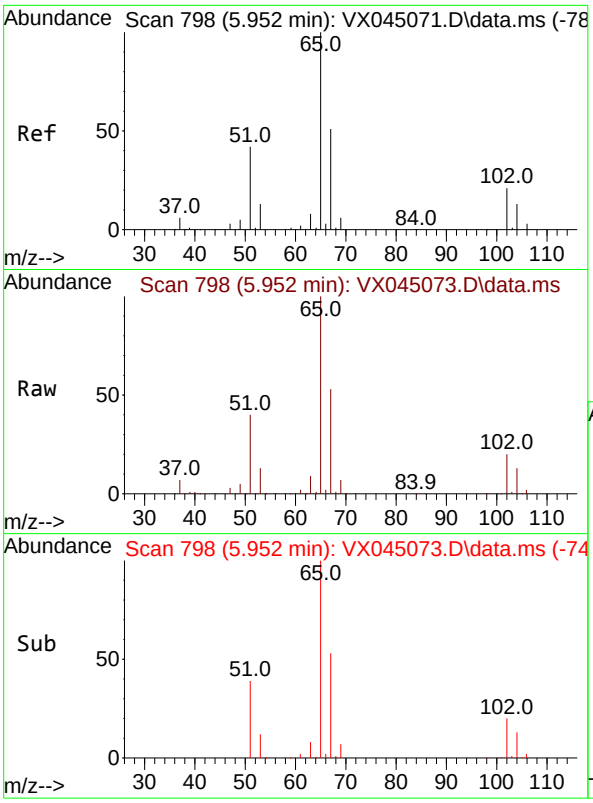


#32
1,1,1-Trichloroethane
Concen: 151.120 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

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



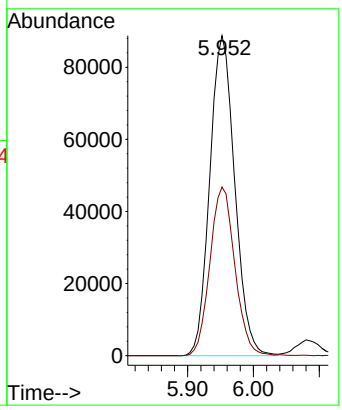


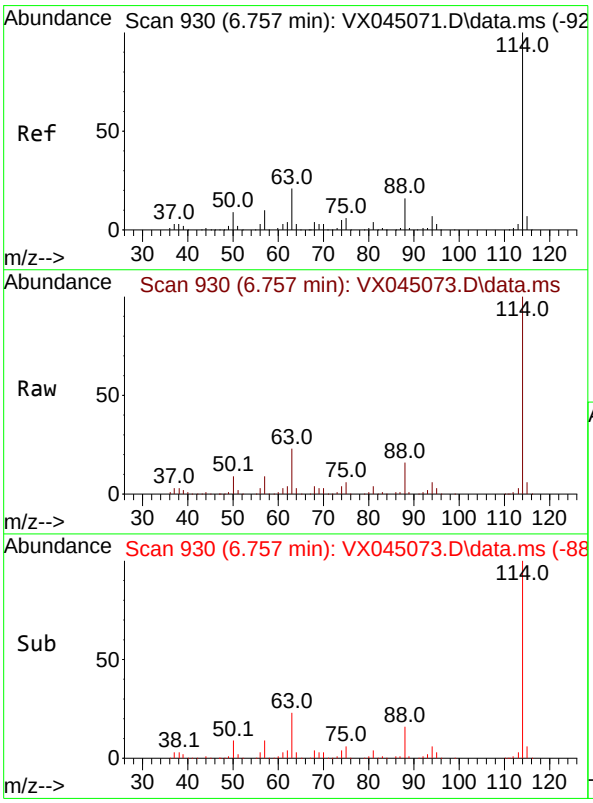
#33
1,2-Dichloroethane-d4
Concen: 165.865 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 65 Resp: 234624

Ion	Ratio	Lower	Upper
65	100		
67	52.7	0.0	106.2

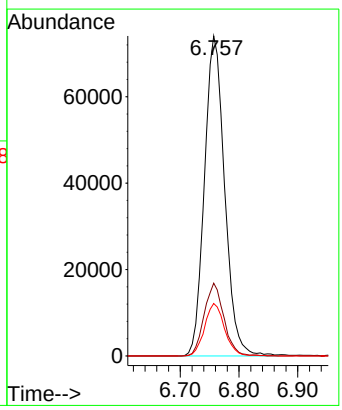


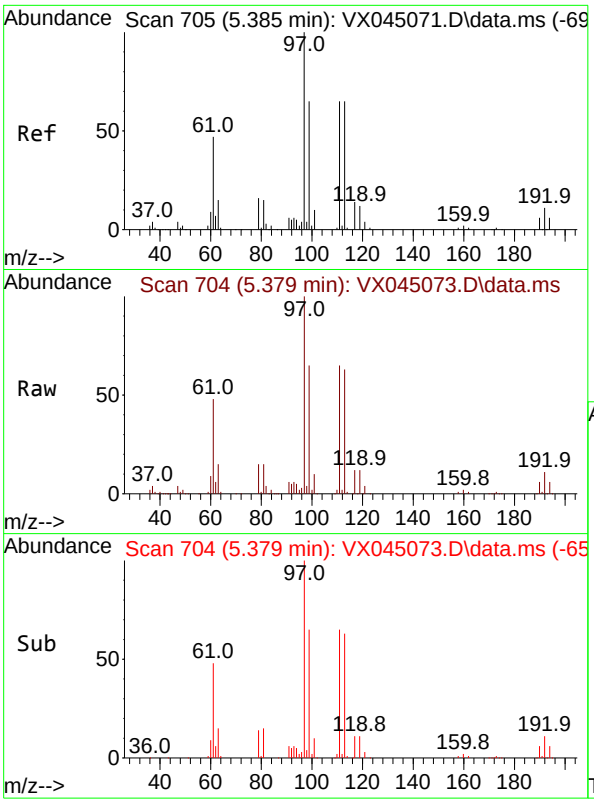


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

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



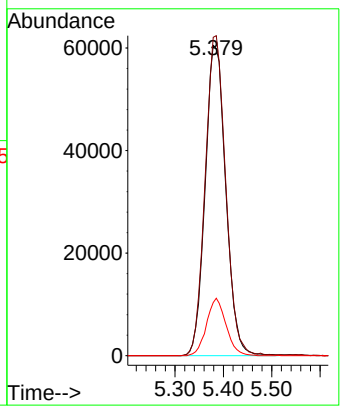


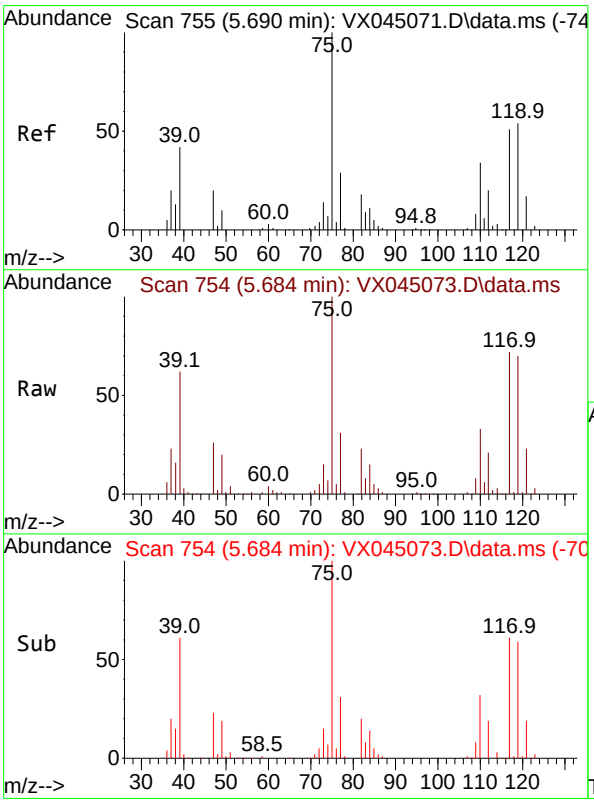
#35
Dibromofluoromethane
Concen: 155.359 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

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

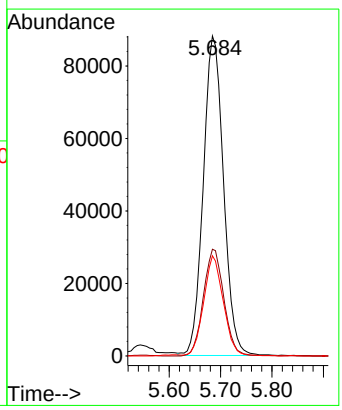


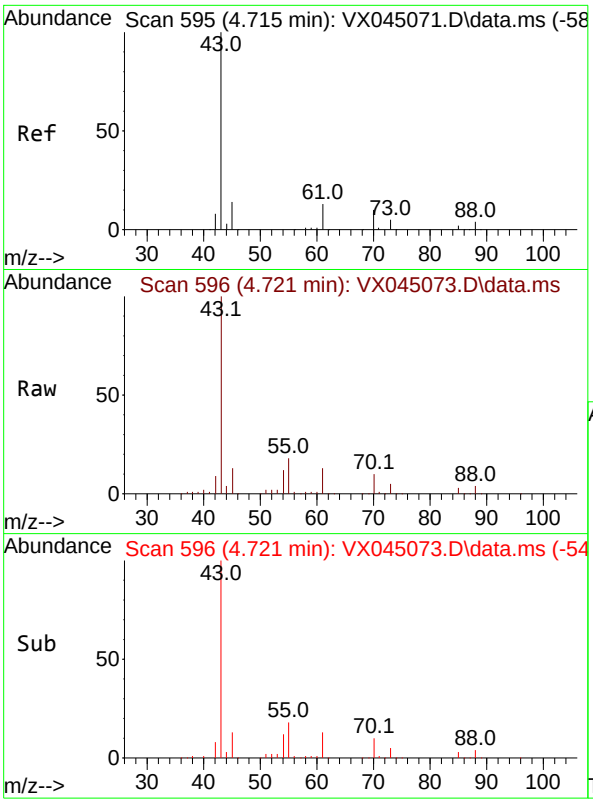


#36
1,1-Dichloropropene
Concen: 145.112 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

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



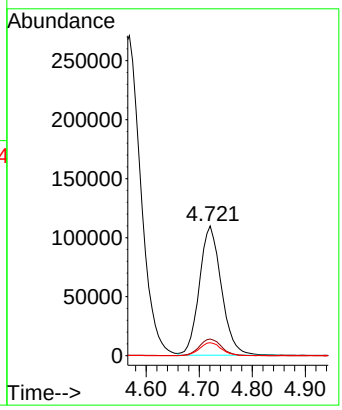


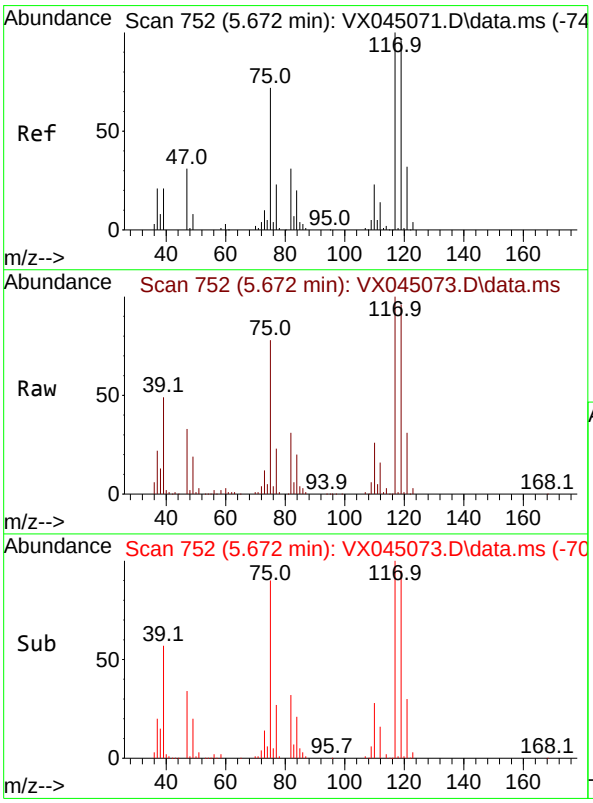
#37
Ethyl Acetate
Concen: 167.067 ug/l
RT: 4.721 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

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

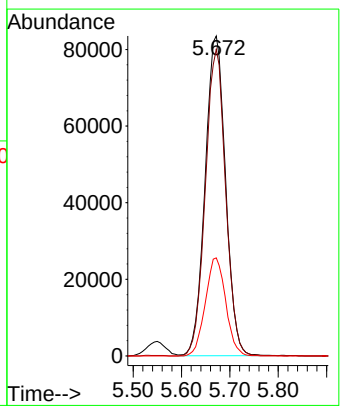


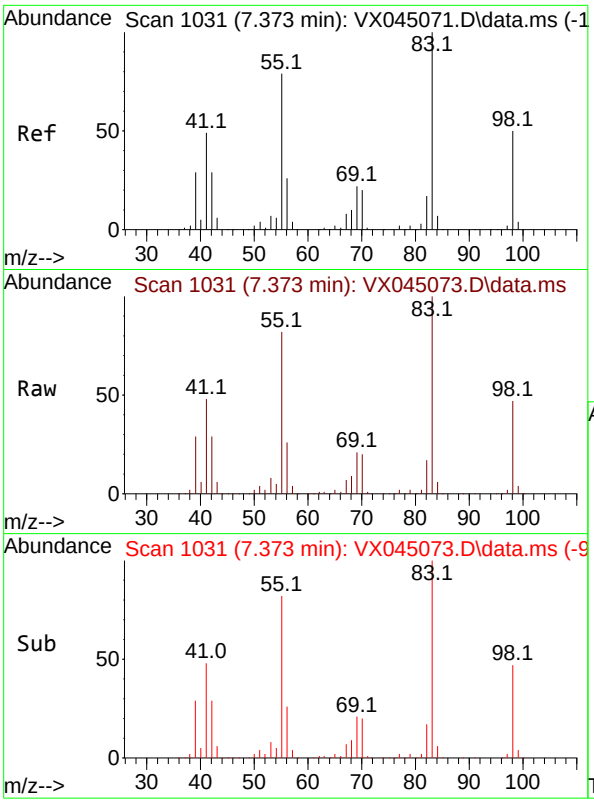


#38
Carbon Tetrachloride
Concen: 150.363 ug/l
RT: 5.672 min Scan# 752
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

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



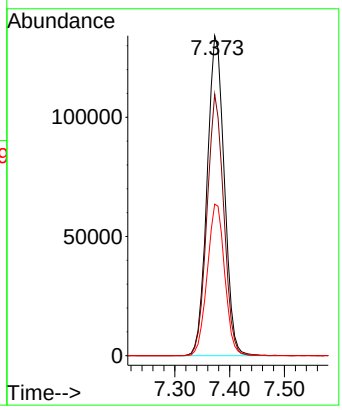


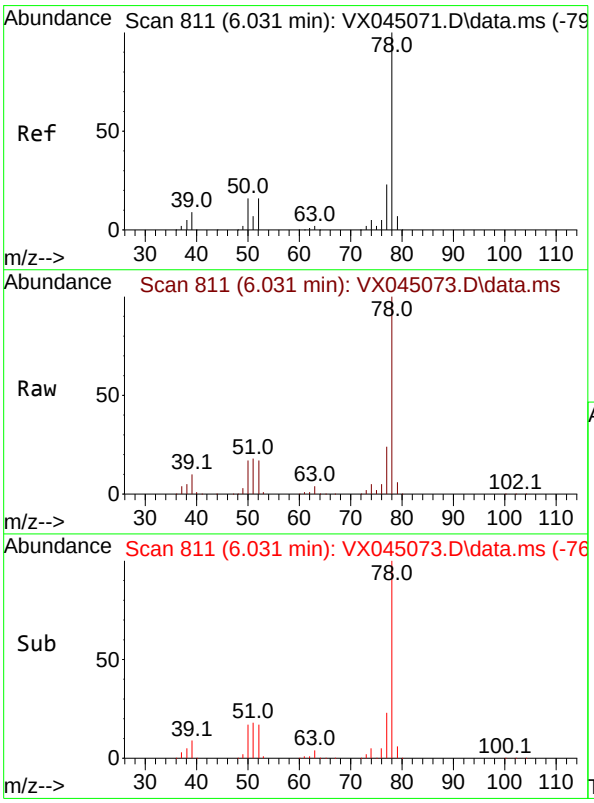
#39
Methylcyclohexane
Concen: 137.544 ug/l
RT: 7.373 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

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

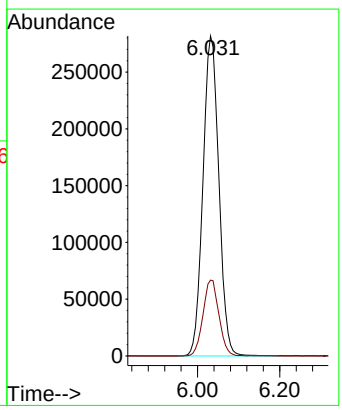


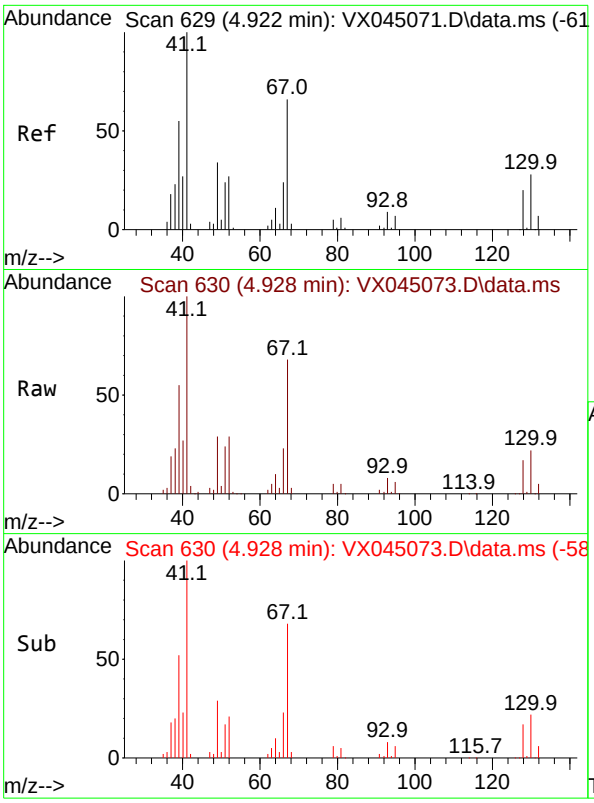


#40
Benzene
Concen: 145.368 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 78 Resp: 755854

Ion	Ratio	Lower	Upper
78	100		
77	23.7	18.8	28.2



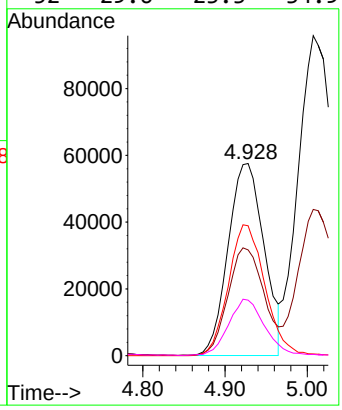


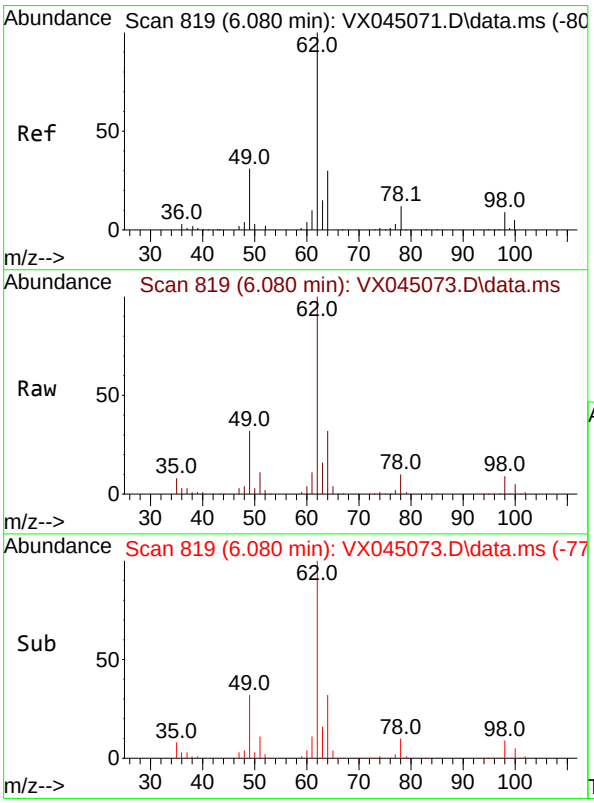
#41
Methacrylonitrile
Concen: 173.088 ug/l
RT: 4.928 min Scan# 6
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

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

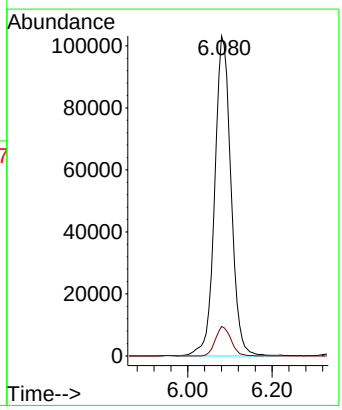


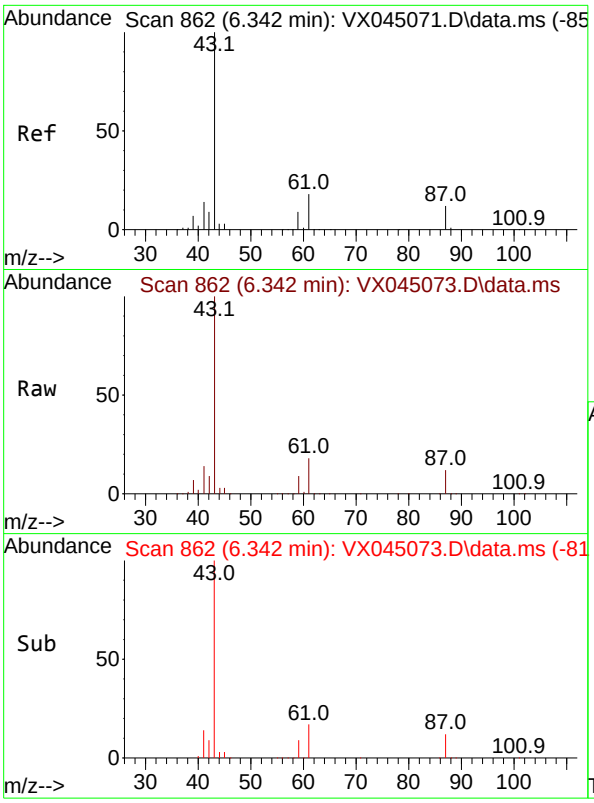


#42
1,2-Dichloroethane
Concen: 163.872 ug/l
RT: 6.080 min Scan# 819
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 62 Resp: 276129

Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	18.2



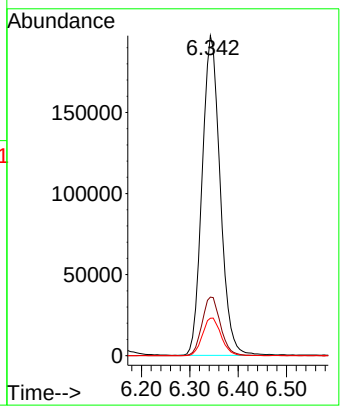


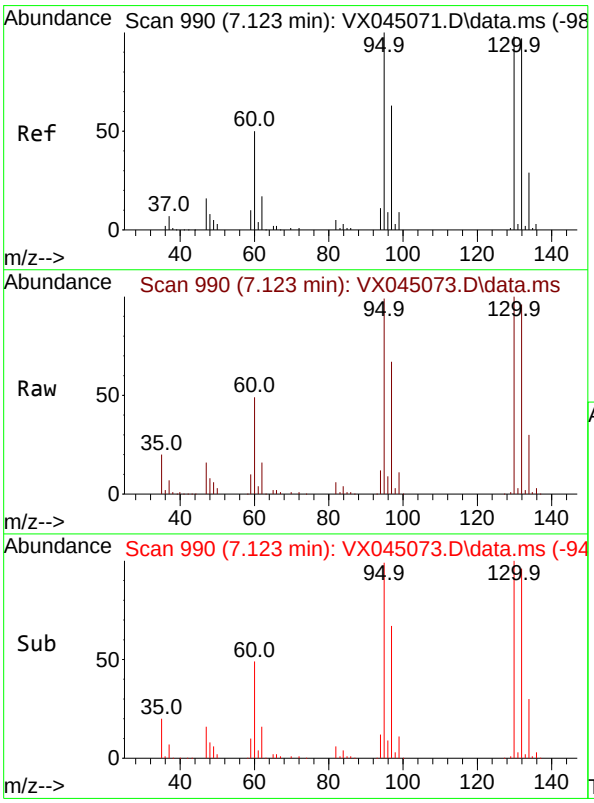
#43
Isopropyl Acetate
Concen: 169.804 ug/l
RT: 6.342 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

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

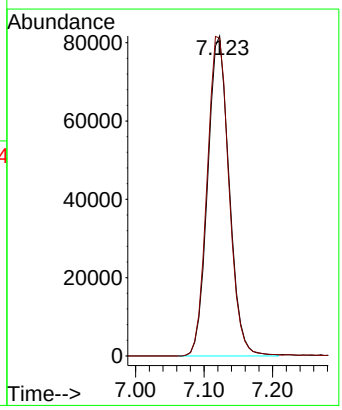


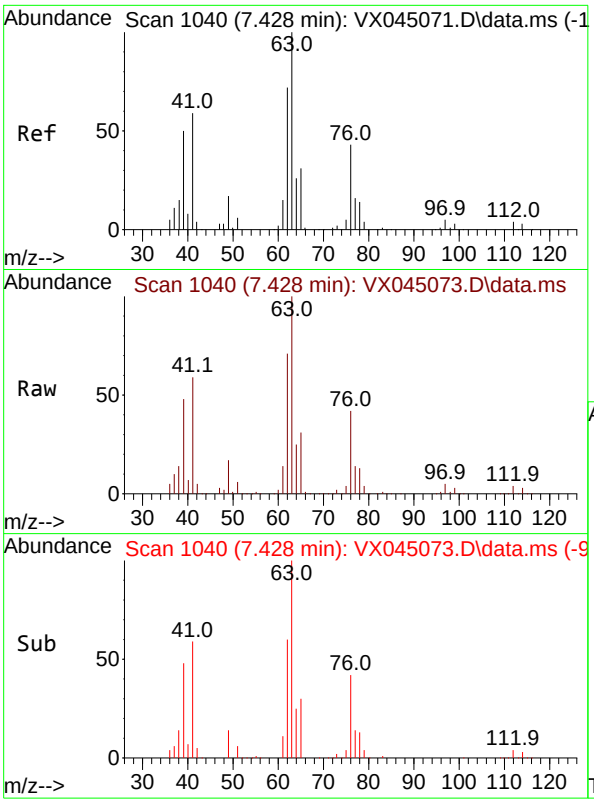


#44
Trichloroethene
Concen: 150.181 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:130 Resp: 178483

Ion	Ratio	Lower	Upper
130	100		
95	99.3	0.0	205.0



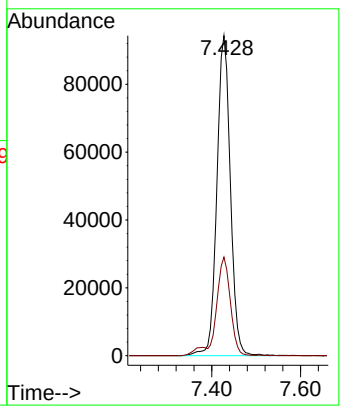


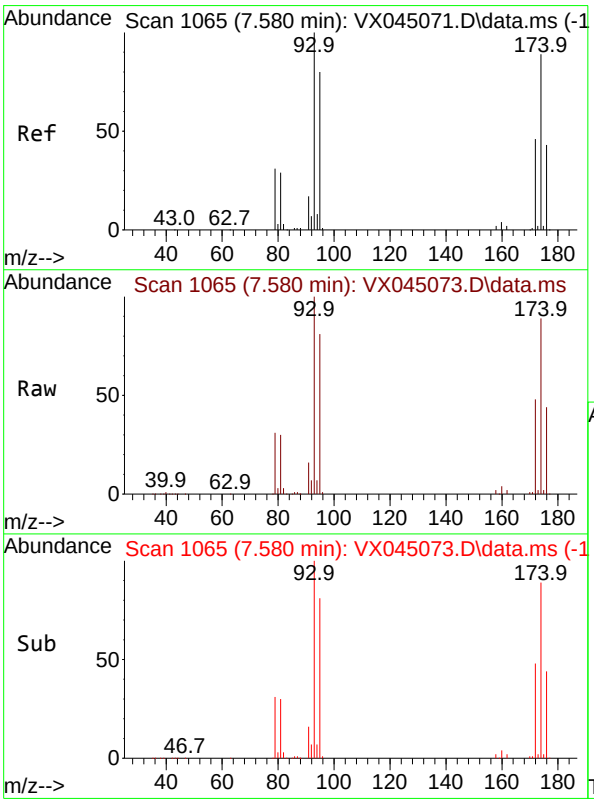
#45
1,2-Dichloropropane
Concen: 153.334 ug/l
RT: 7.428 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 63 Resp: 198135

Ion	Ratio	Lower	Upper
63	100		
65	30.8	24.7	37.1

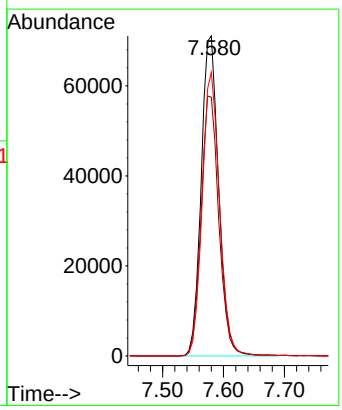


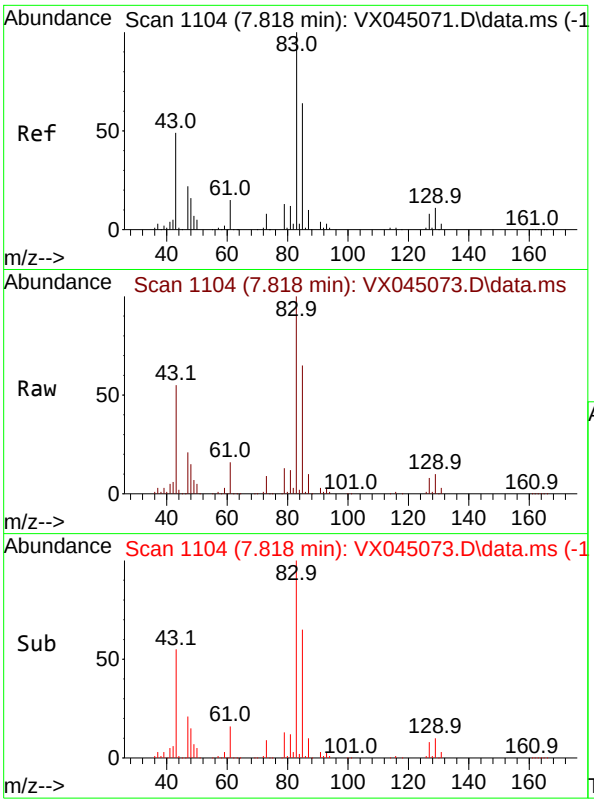


#46
Dibromomethane
Concen: 157.443 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

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



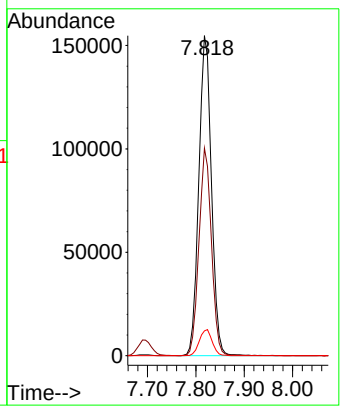


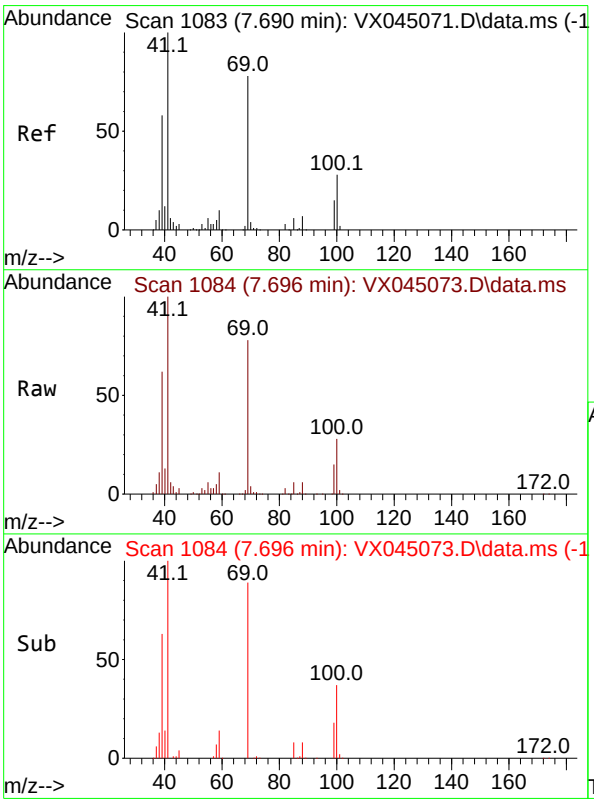
#47
Bromodichloromethane
Concen: 160.492 ug/l
RT: 7.818 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

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

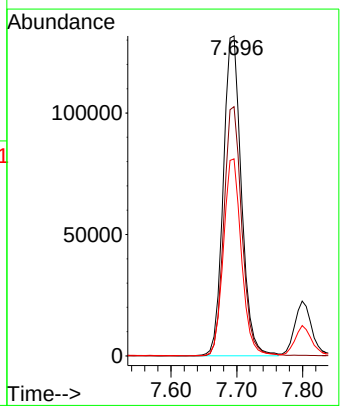


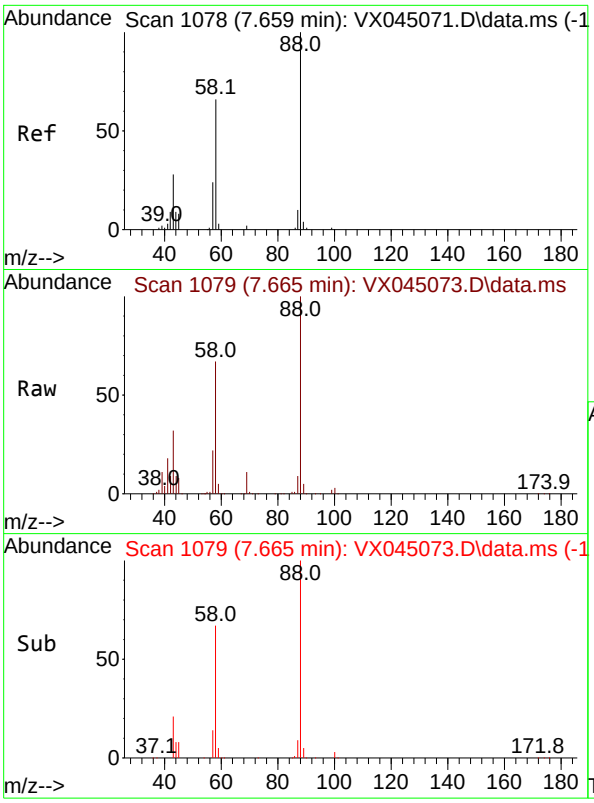


#48
Methyl methacrylate
Concen: 176.370 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

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



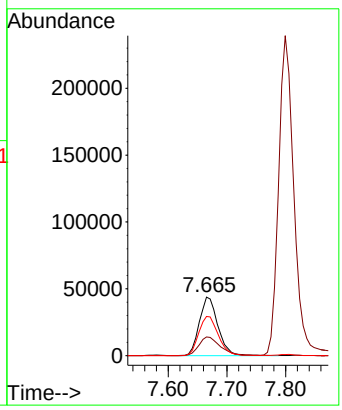


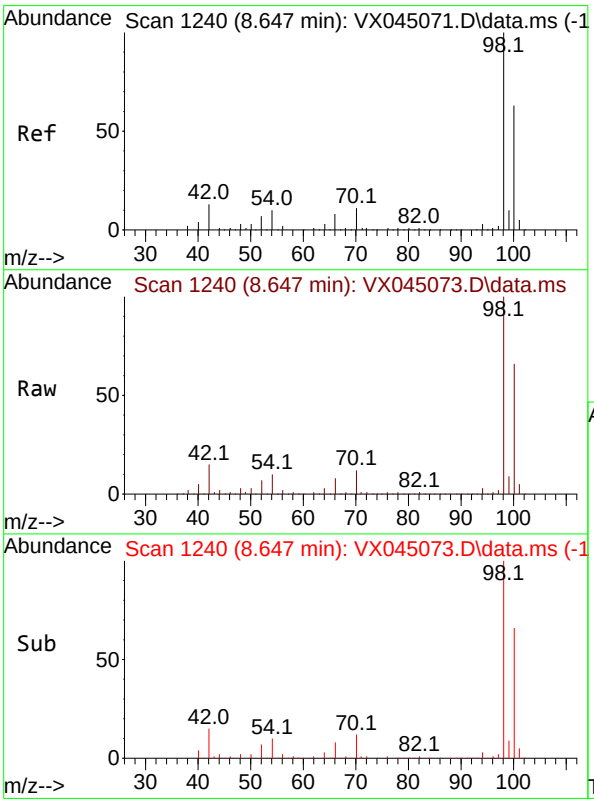
#49
1,4-Dioxane
Concen: 3166.423 ug/l
RT: 7.665 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

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

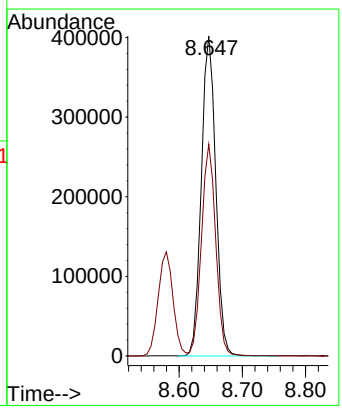


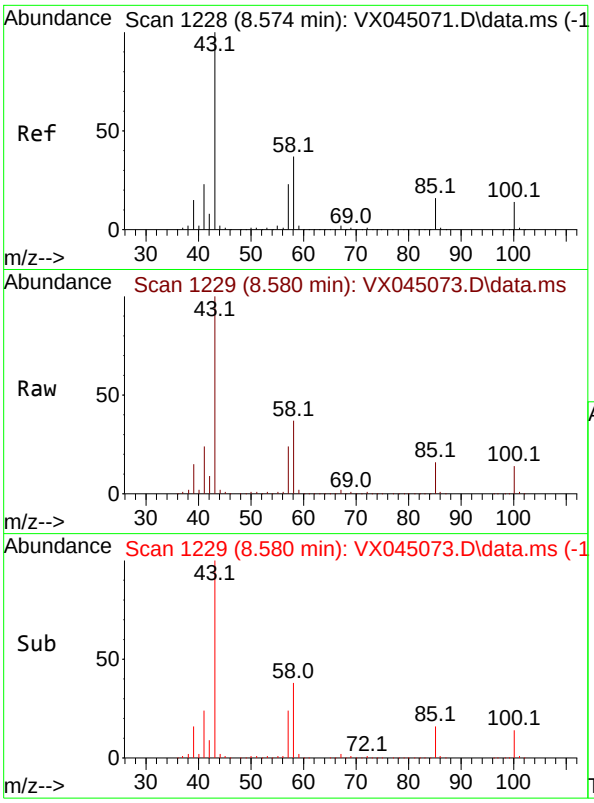


#50
Toluene-d8
Concen: 147.538 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 98 Resp: 638979

Ion	Ratio	Lower	Upper
98	100		
100	65.4	52.0	78.0



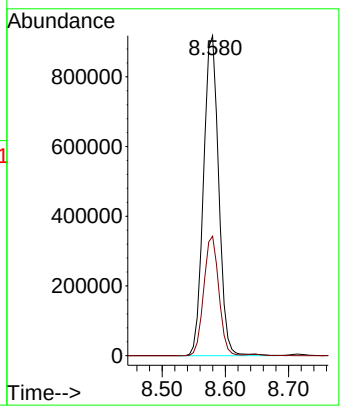


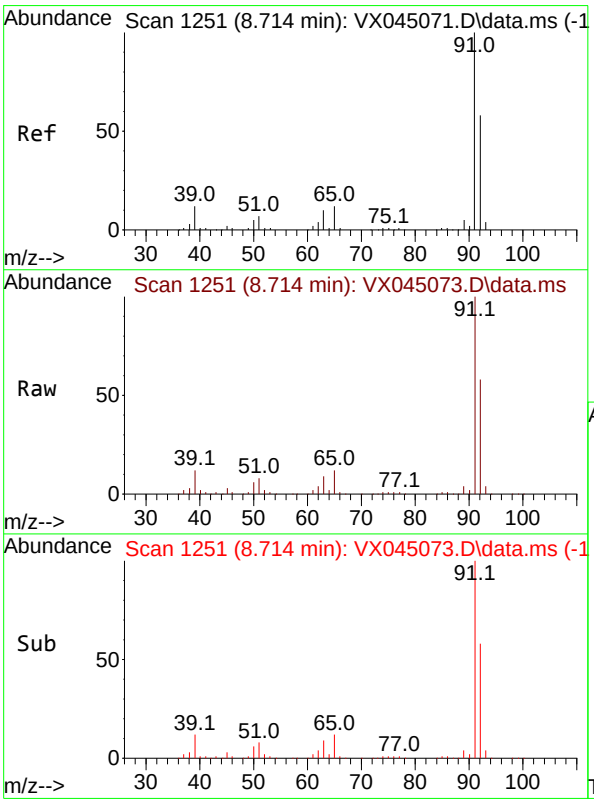
#51
4-Methyl-2-Pentanone
Concen: 832.051 ug/l
RT: 8.580 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 1536157

Ion	Ratio	Lower	Upper
43	100		
58	37.1	29.2	43.8

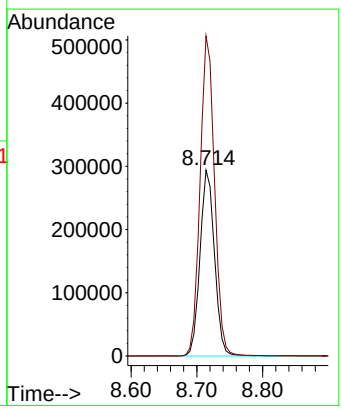


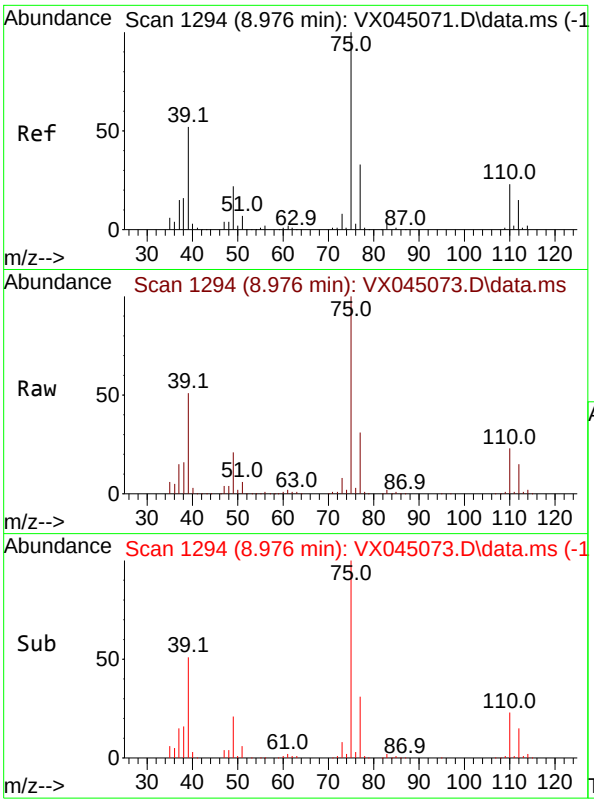


#52
Toluene
Concen: 145.321 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 92 Resp: 448664

Ion	Ratio	Lower	Upper
92	100		
91	172.3	138.9	208.3



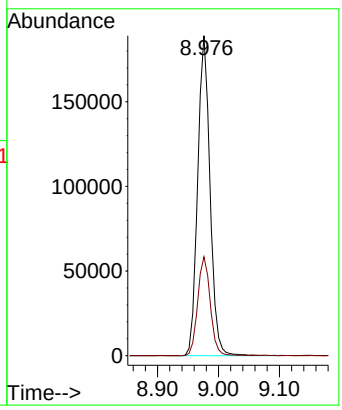


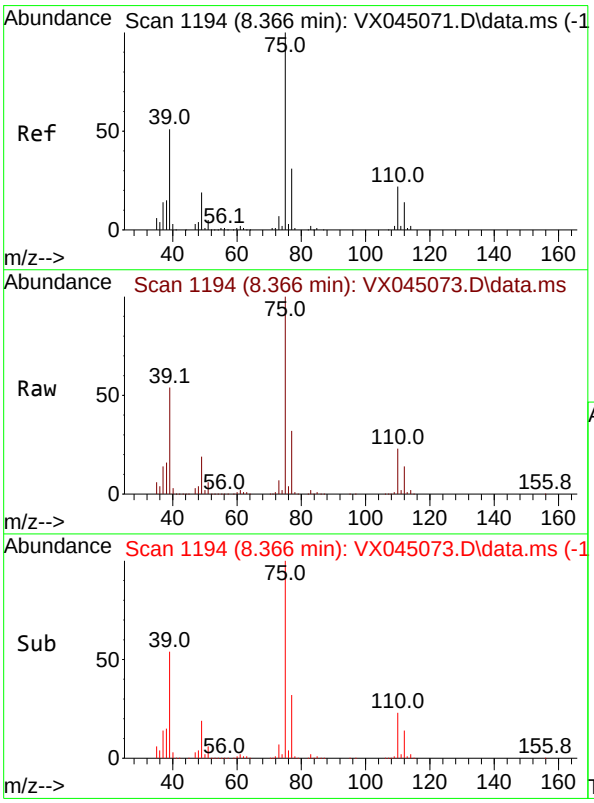
#53
t-1,3-Dichloropropene
Concen: 154.373 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 75 Resp: 266444

Ion	Ratio	Lower	Upper
75	100		
77	30.9	26.5	39.7

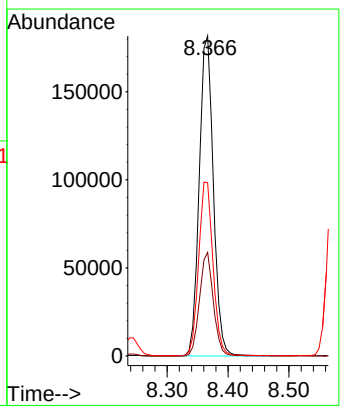


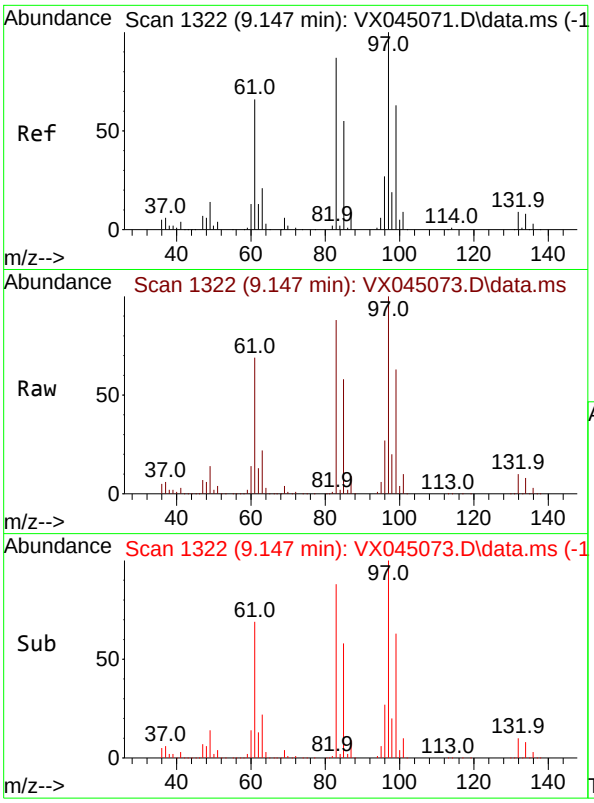


#54
cis-1,3-Dichloropropene
Concen: 152.117 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

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



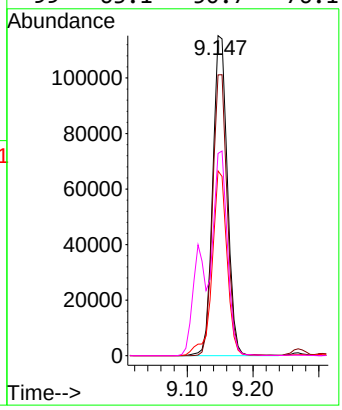


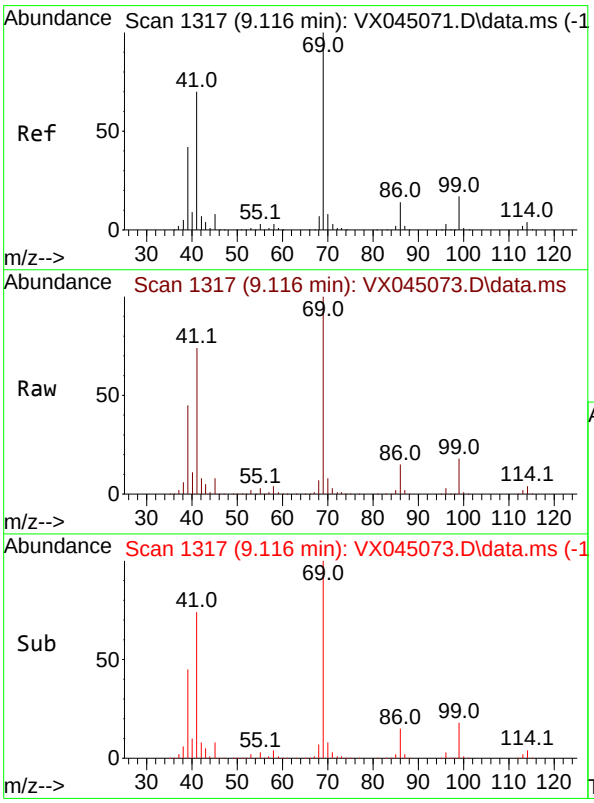
#55
1,1,2-Trichloroethane
Concen: 149.046 ug/l
RT: 9.147 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

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

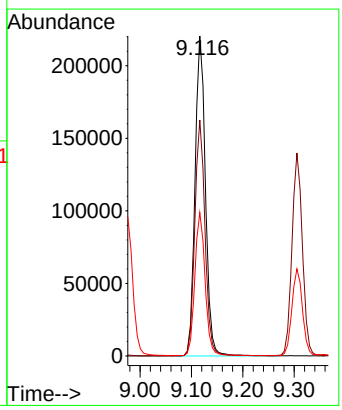


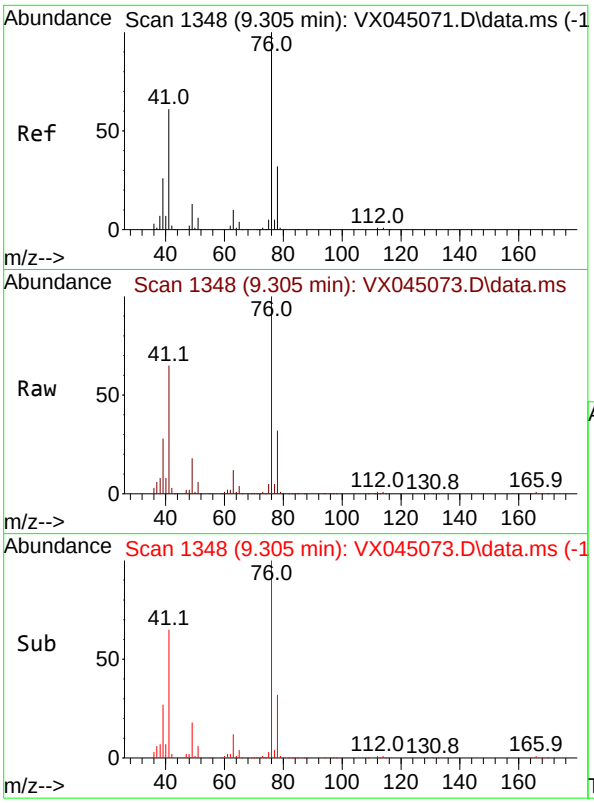


#56
Ethyl methacrylate
Concen: 162.631 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

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



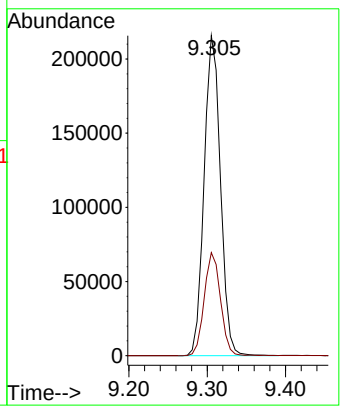


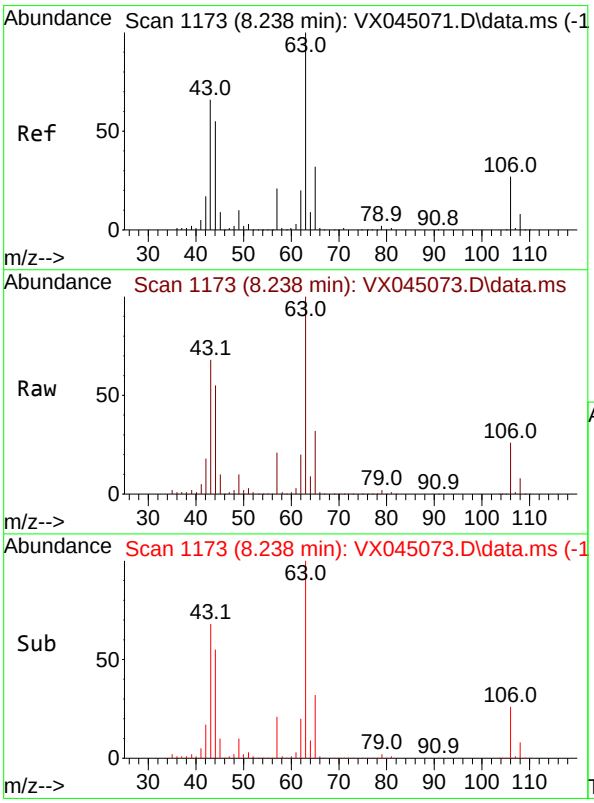
#57
1,3-Dichloropropane
Concen: 149.699 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 76 Resp: 312196

Ion	Ratio	Lower	Upper
76	100		
78	32.0	25.5	38.3

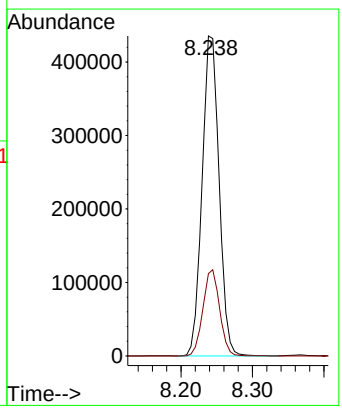


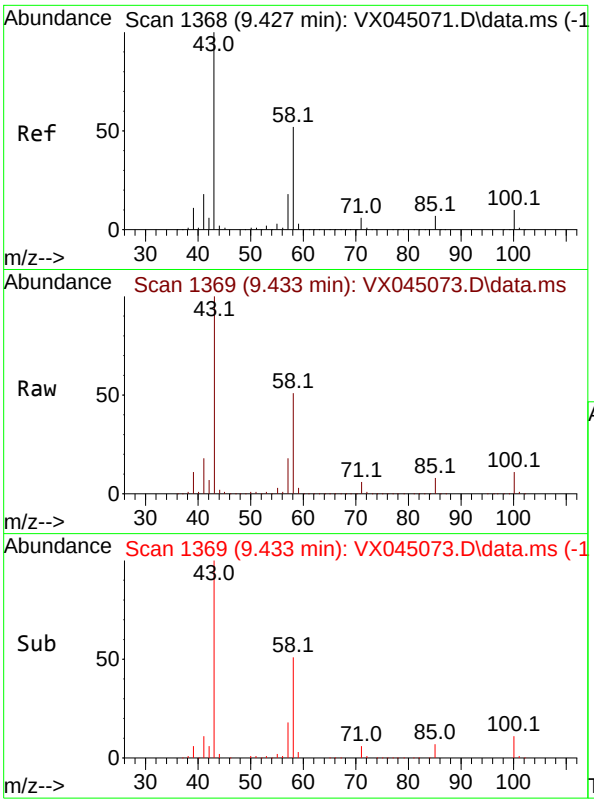


#58
2-Chloroethyl Vinyl ether
Concen: 764.019 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 63 Resp: 717328

Ion	Ratio	Lower	Upper
63	100		
106	26.5	21.5	32.3



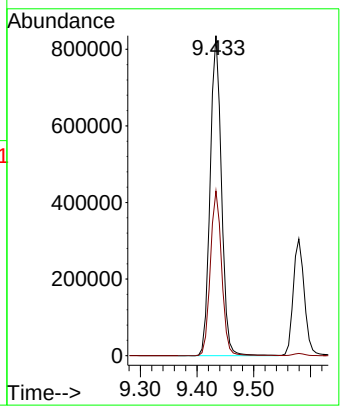


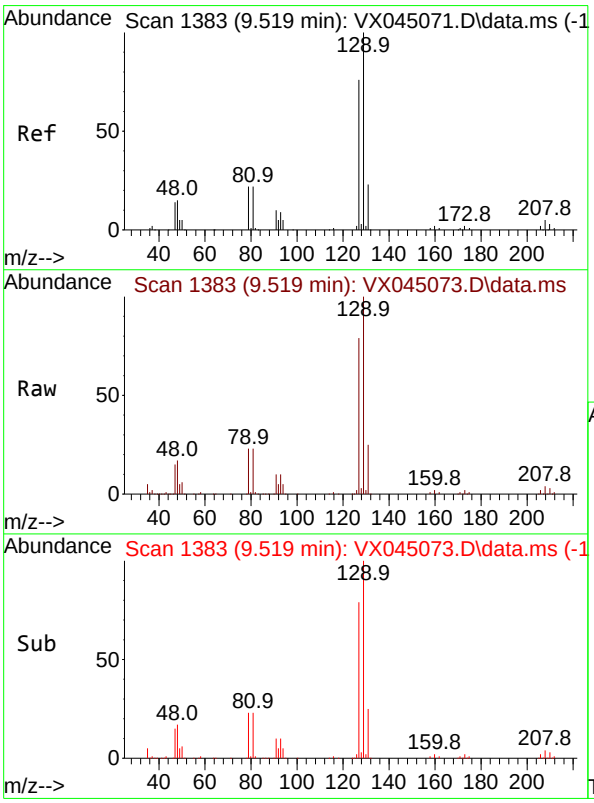
#59
2-Hexanone
Concen: 868.492 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 1156653

Ion	Ratio	Lower	Upper
43	100		
58	51.6	25.9	77.6

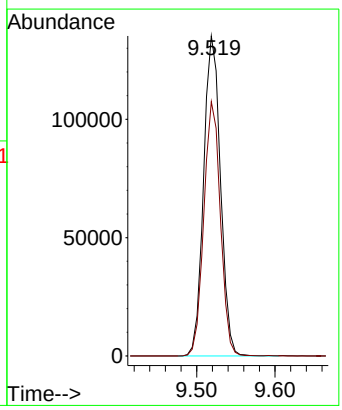


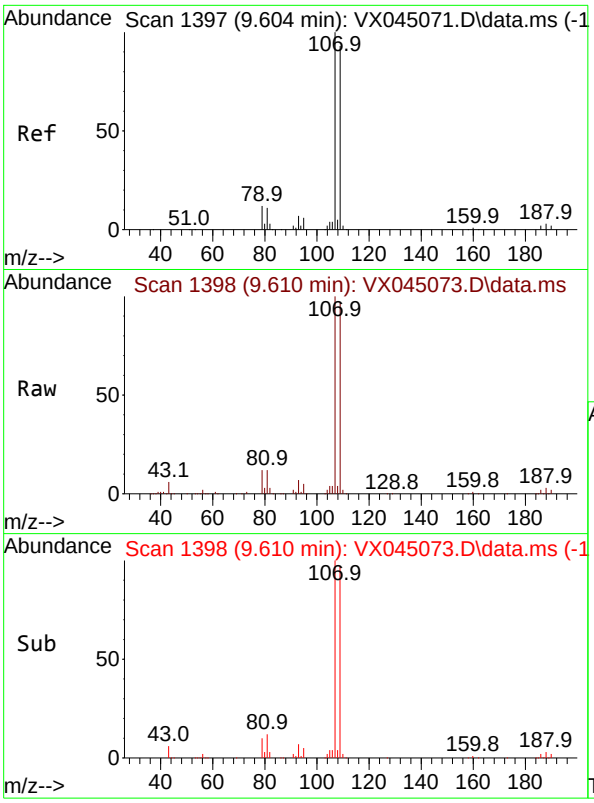


#60
Dibromochloromethane
Concen: 158.276 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:129 Resp: 201906

Ion	Ratio	Lower	Upper
129	100		
127	77.9	38.5	115.5



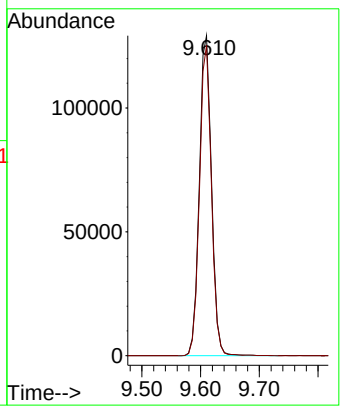


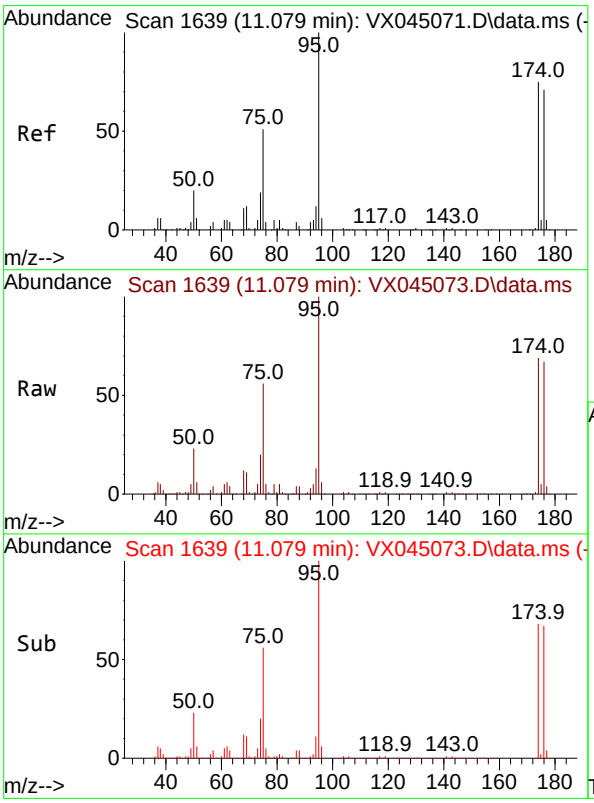
#61
1,2-Dibromoethane
Concen: 154.074 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:107 Resp: 185828

Ion	Ratio	Lower	Upper
107	100		
109	95.2	76.1	114.1

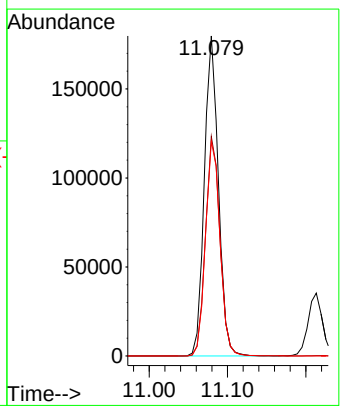


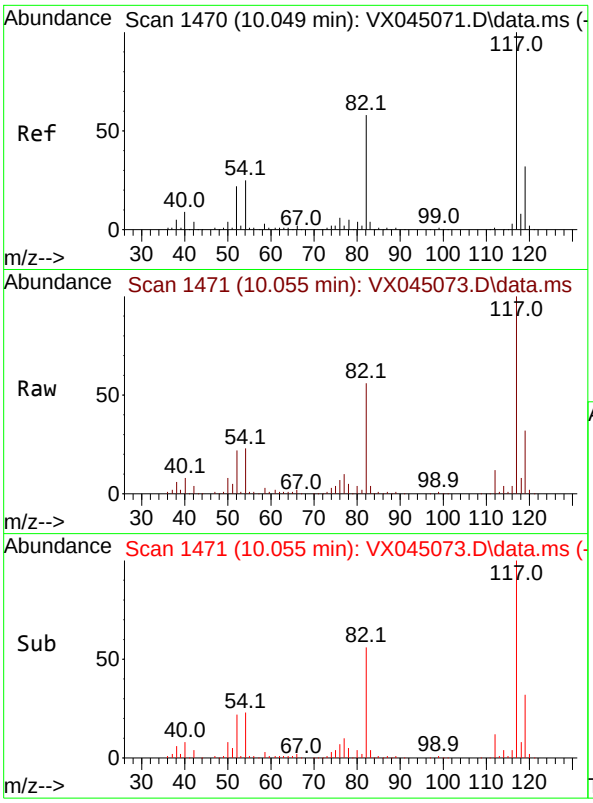


#62
4-Bromofluorobenzene
Concen: 154.420 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

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



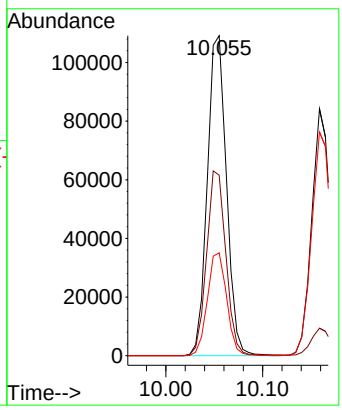


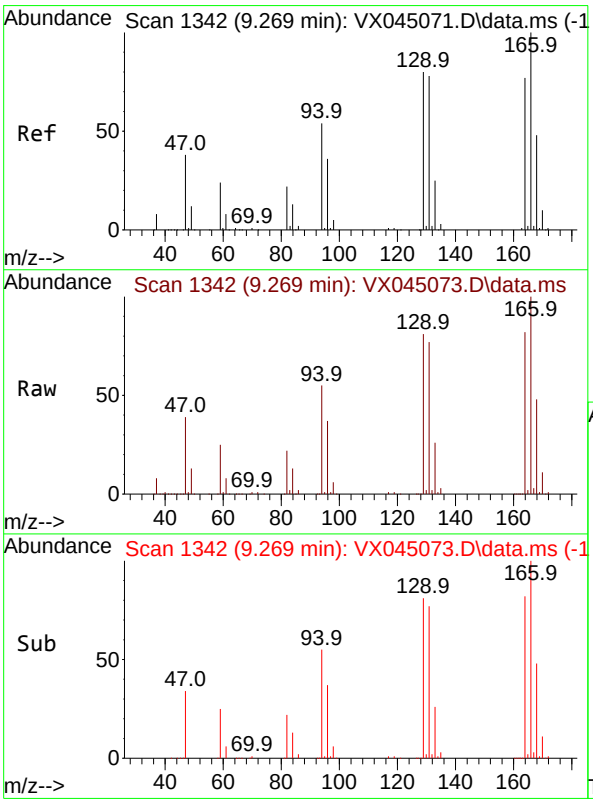
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

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

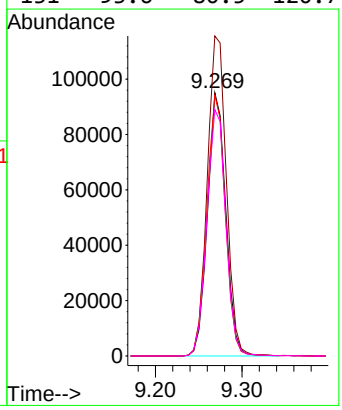


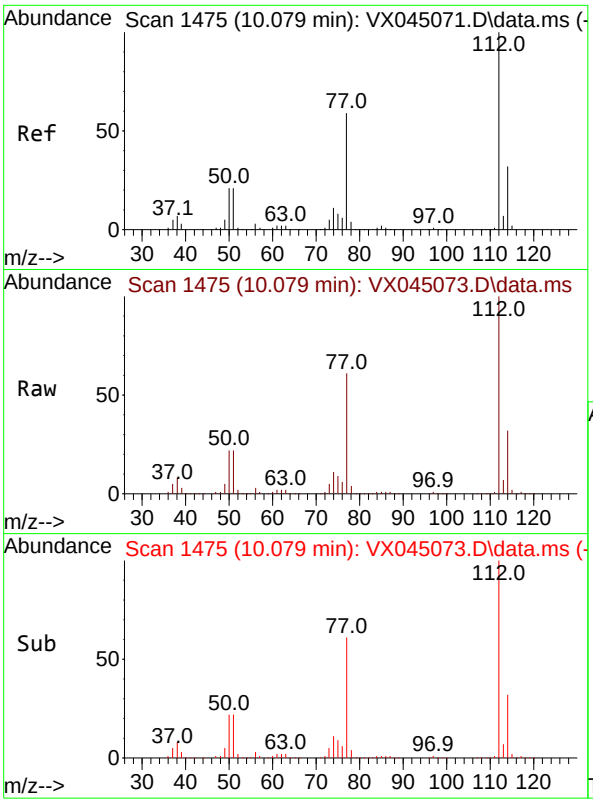


#64
Tetrachloroethene
Concen: 145.906 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

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



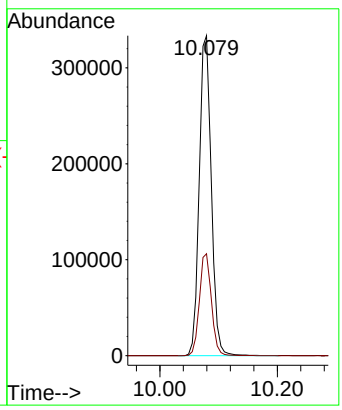


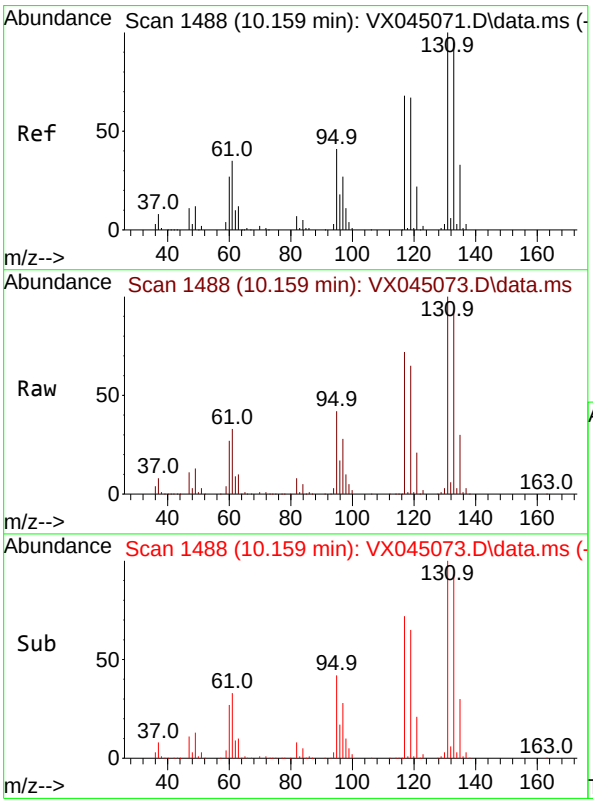
#65
Chlorobenzene
Concen: 146.096 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:112 Resp: 472117

Ion	Ratio	Lower	Upper
112	100		
114	31.9	26.0	39.0

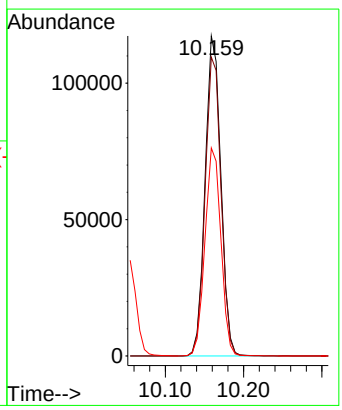


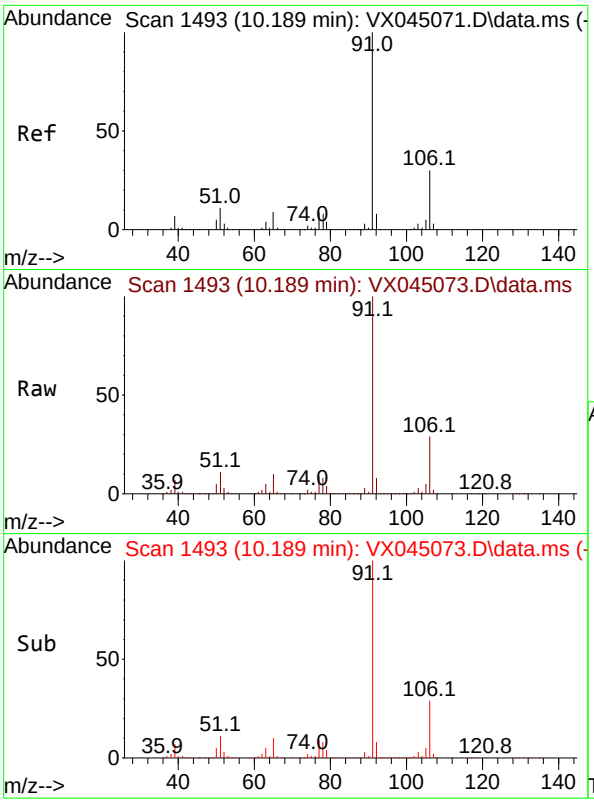


#66
1,1,1,2-Tetrachloroethane
Concen: 156.845 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

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



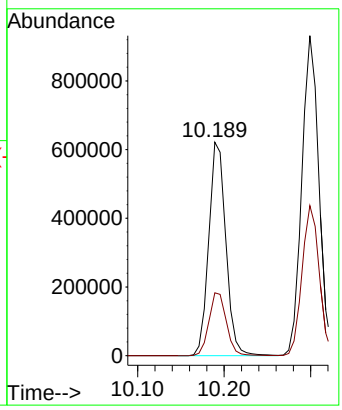


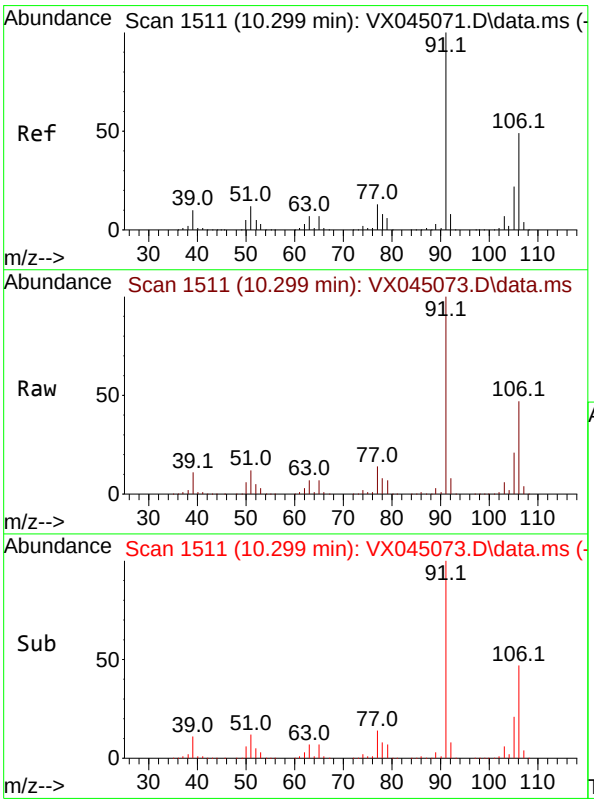
#67
Ethyl Benzene
Concen: 149.191 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 91 Resp: 852575

Ion	Ratio	Lower	Upper
91	100		
106	29.5	23.9	35.9

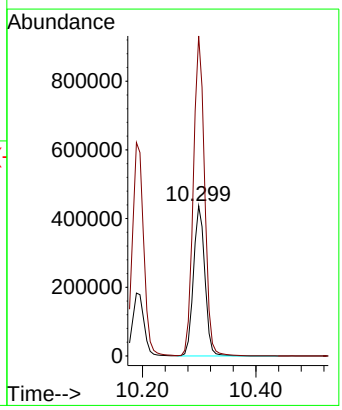


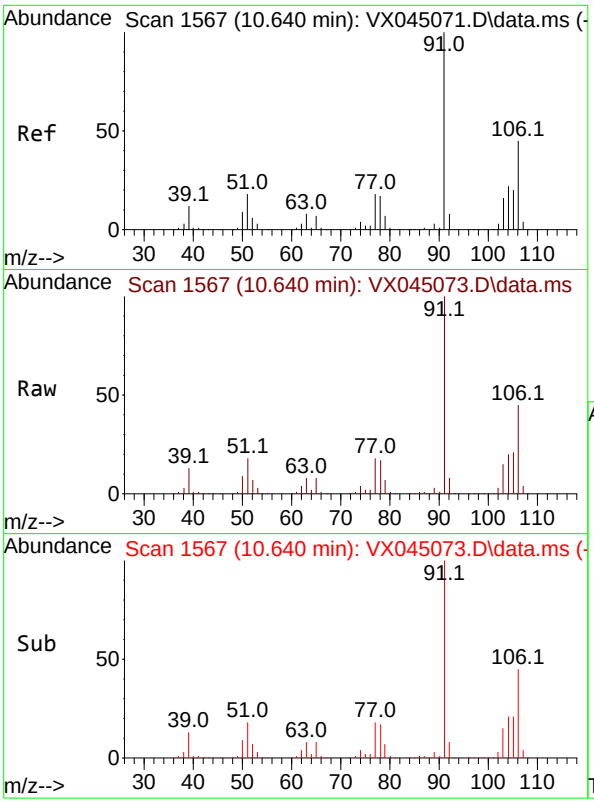


#68
m/p-Xylenes
Concen: 288.655 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:106 Resp: 607523

Ion	Ratio	Lower	Upper
106	100		
91	211.2	165.4	248.0



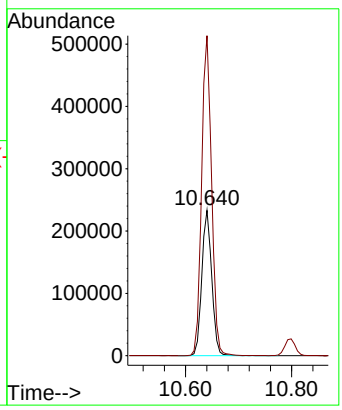


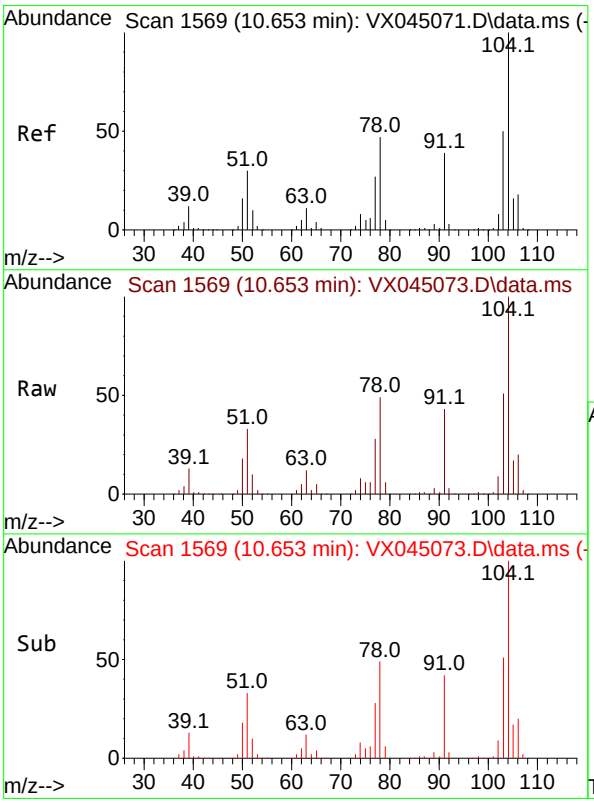
#69
o-Xylene
Concen: 143.259 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:106 Resp: 302495

Ion	Ratio	Lower	Upper
106	100		
91	221.3	109.9	329.6

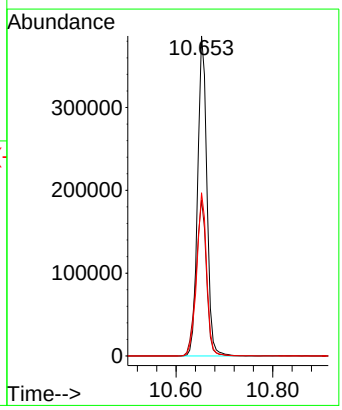


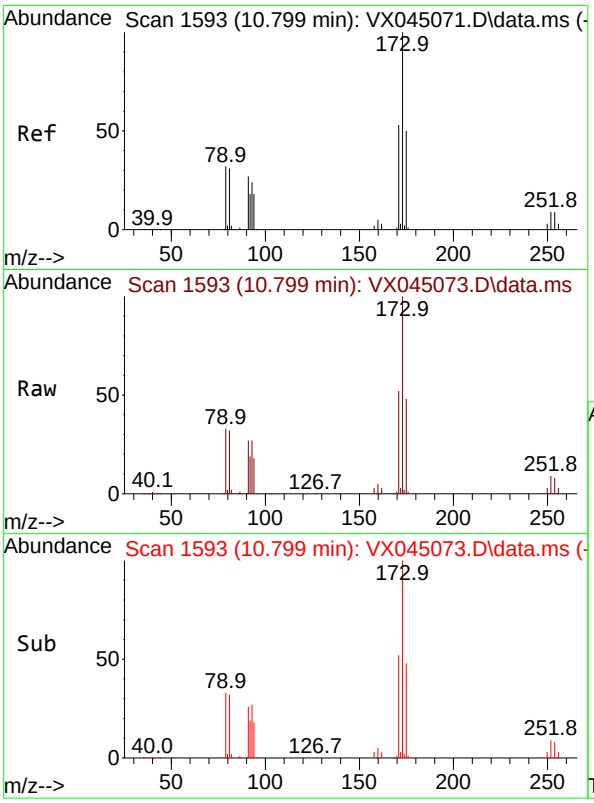


#70
Styrene
Concen: 150.979 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

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



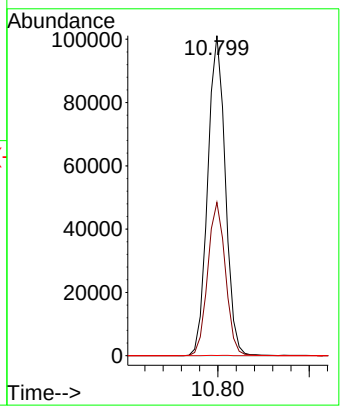


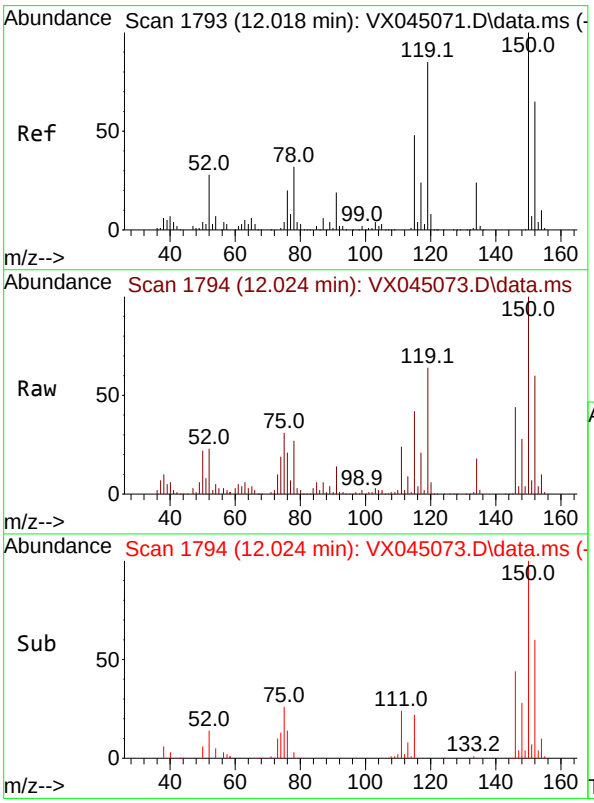
#71
Bromoform
Concen: 174.808 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

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#

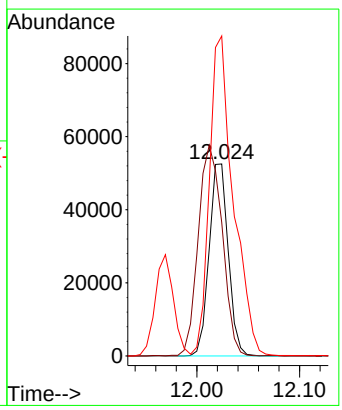


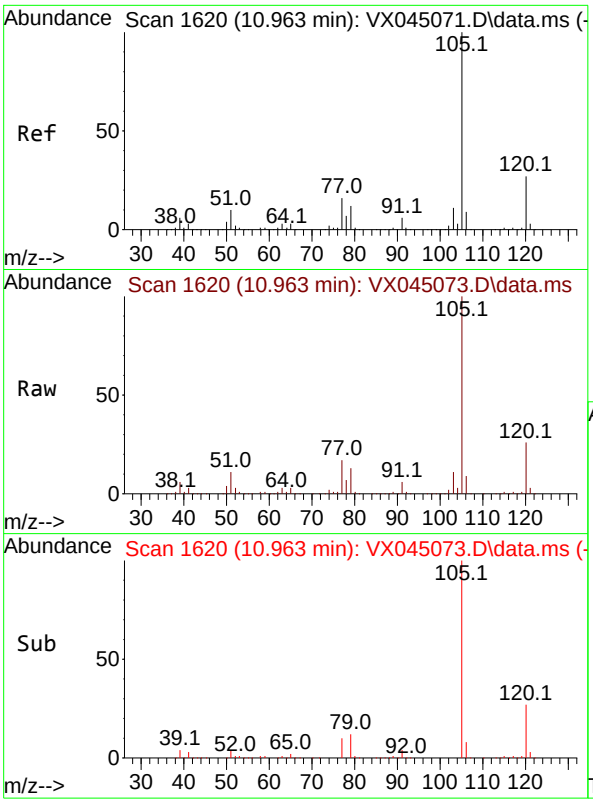


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

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



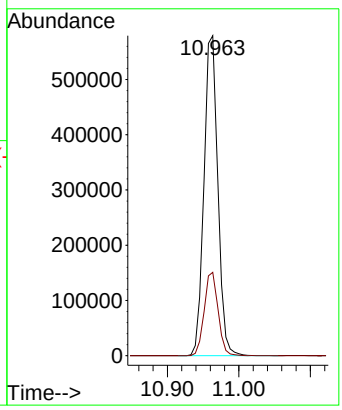


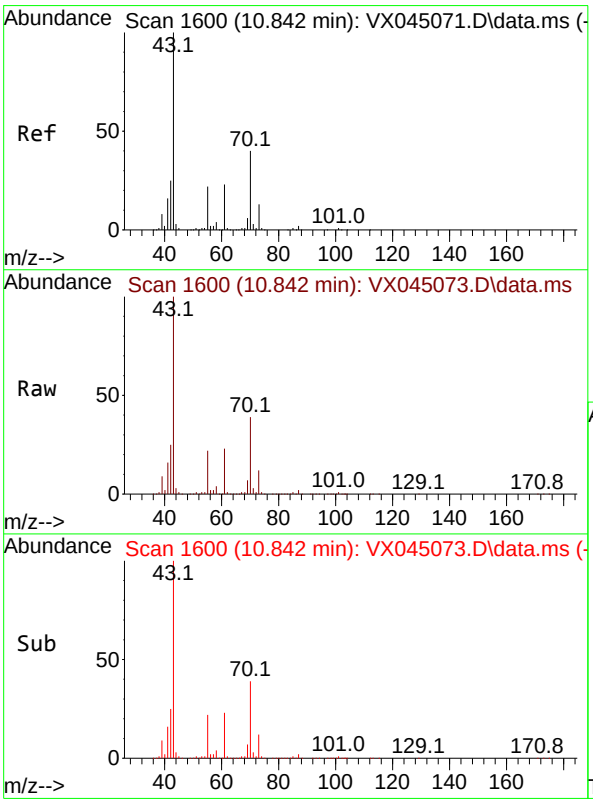
#73
Isopropylbenzene
Concen: 142.719 ug/l
RT: 10.963 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:105 Resp: 780706

Ion	Ratio	Lower	Upper
105	100		
120	26.0	13.2	39.5

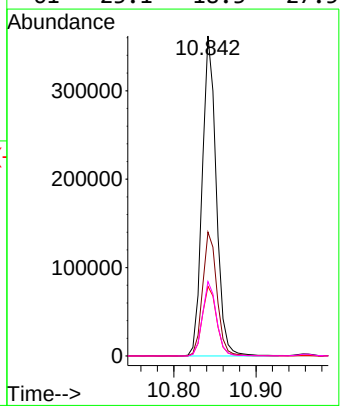


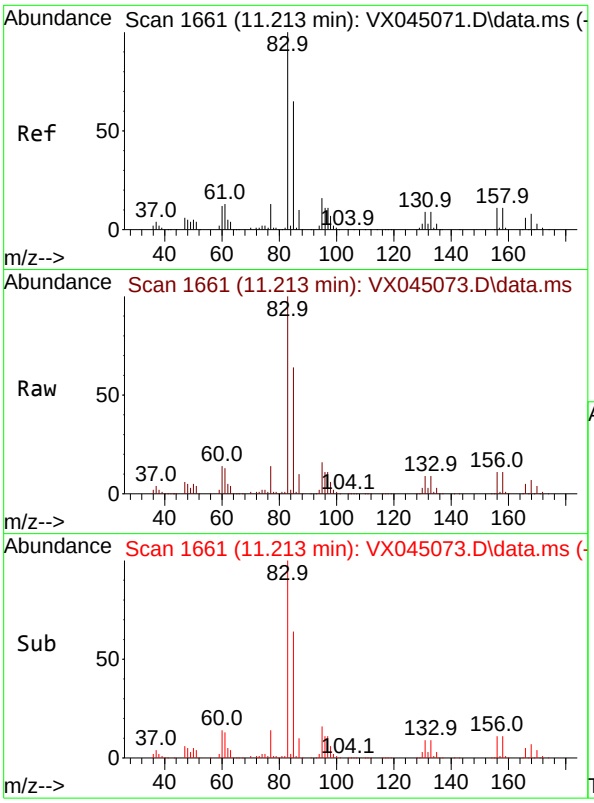


#74
N-amyl acetate
Concen: 173.042 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

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



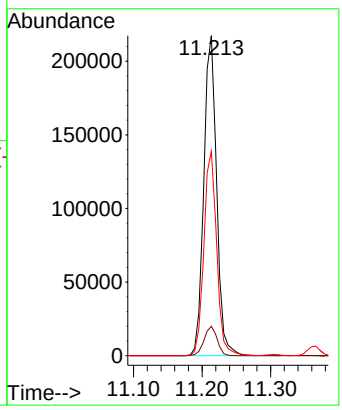


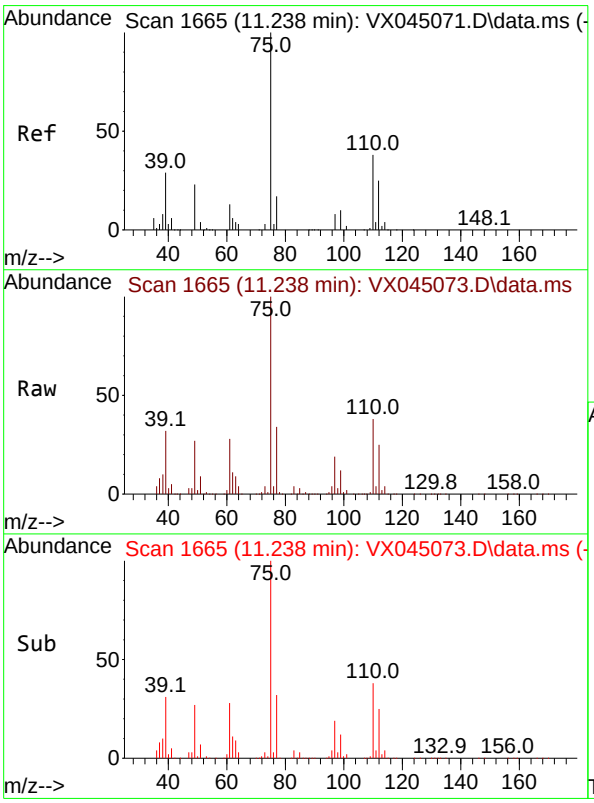
#75
1,1,2,2-Tetrachloroethane
Concen: 150.458 ug/l
RT: 11.213 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

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

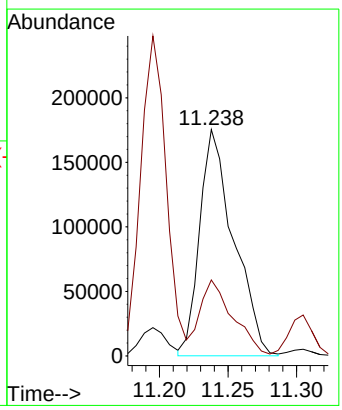


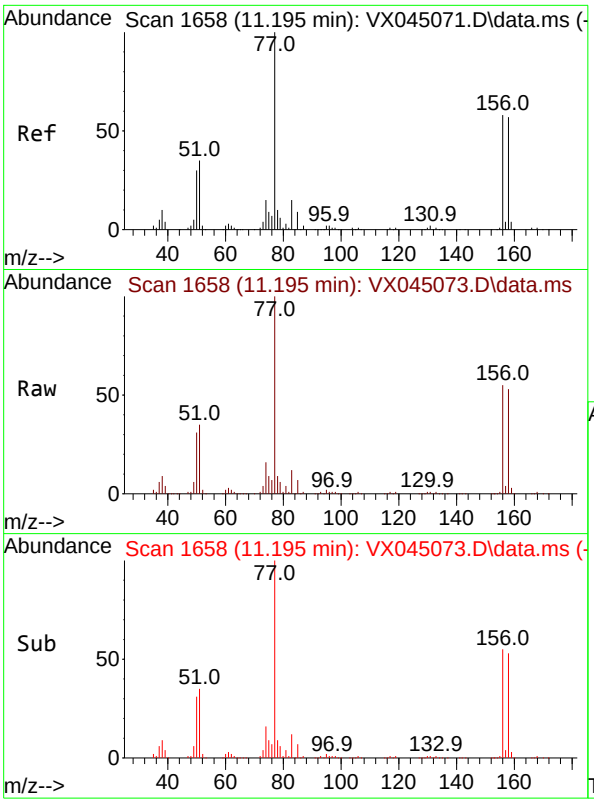


#76
1,2,3-Trichloropropane
Concen: 201.103 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 75 Resp: 303633

Ion	Ratio	Lower	Upper
75	100		
77	32.6	20.7	62.1



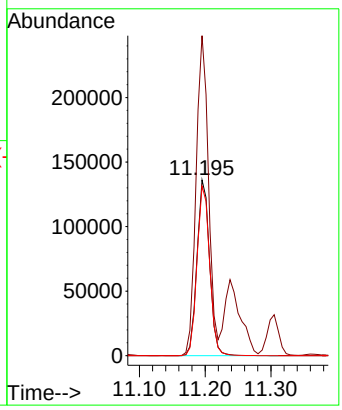


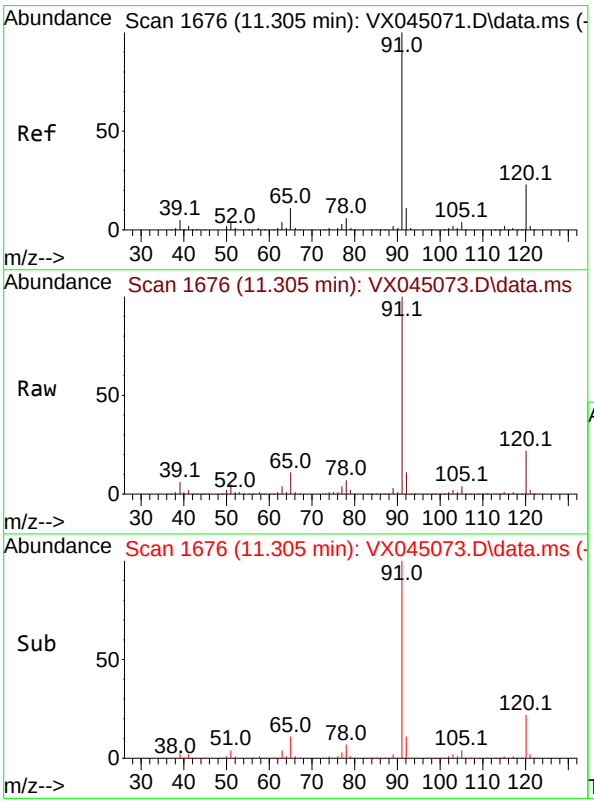
#77
Bromobenzene
Concen: 145.760 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

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

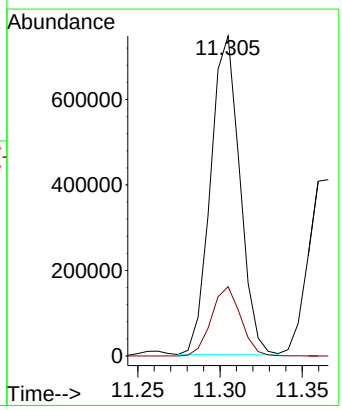


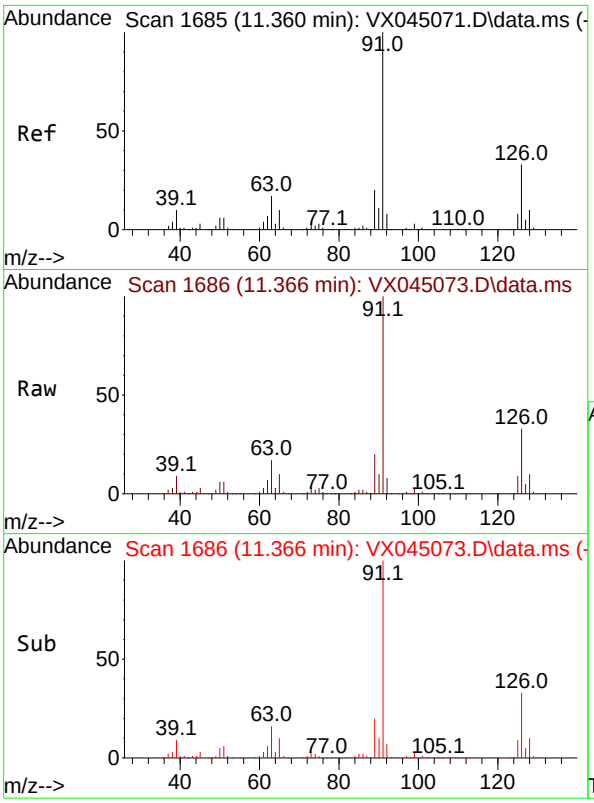


#78
n-propylbenzene
Concen: 146.395 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 91 Resp: 923593

Ion	Ratio	Lower	Upper
91	100		
120	21.8	11.2	33.6



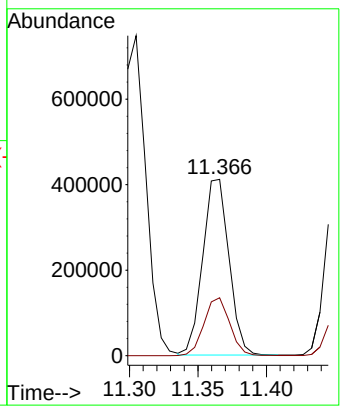


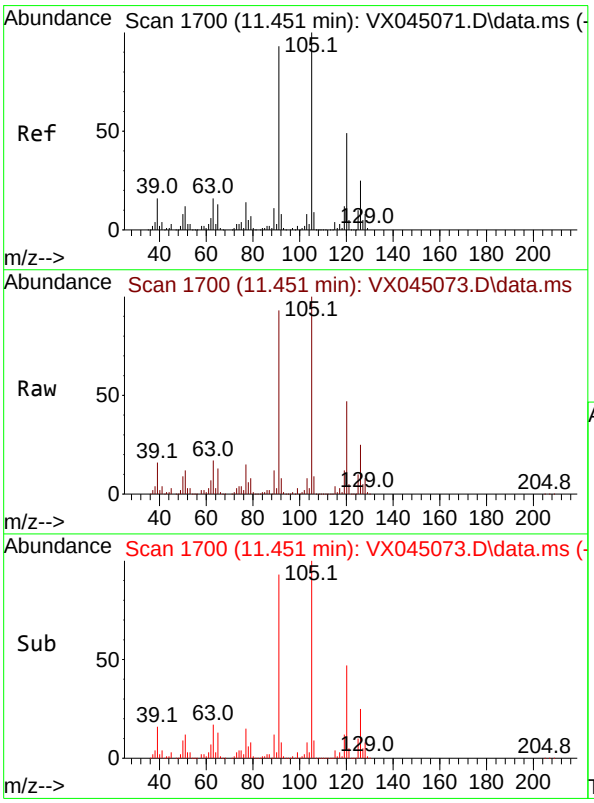
#79
2-Chlorotoluene
Concen: 141.695 ug/l
RT: 11.366 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 91 Resp: 548695

Ion	Ratio	Lower	Upper
91	100		
126	32.4	16.4	49.4

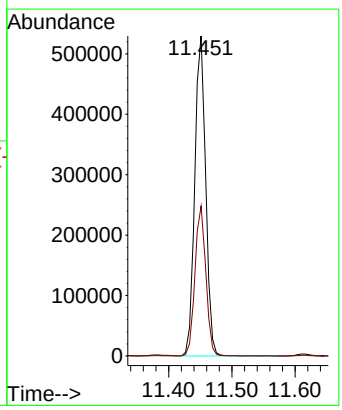


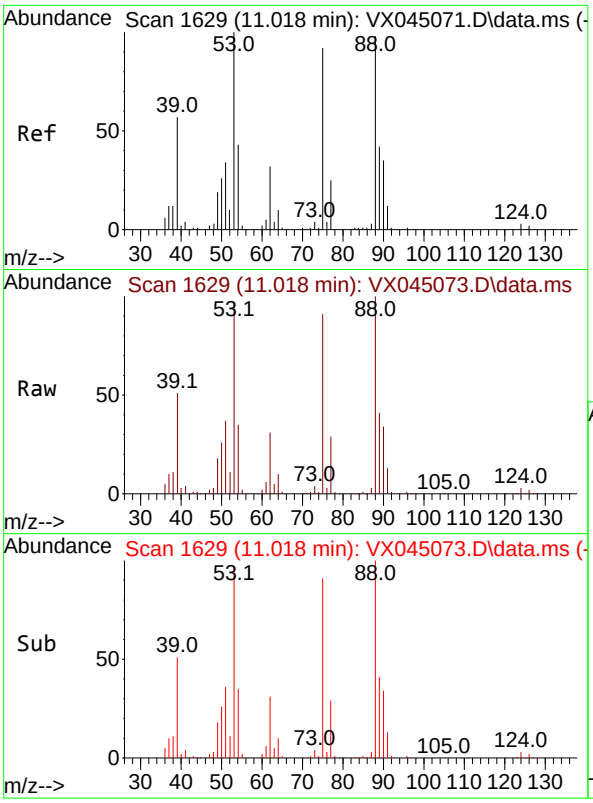


#80
1,3,5-Trimethylbenzene
Concen: 143.293 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:105 Resp: 635832

Ion	Ratio	Lower	Upper
105	100		
120	46.7	24.1	72.2



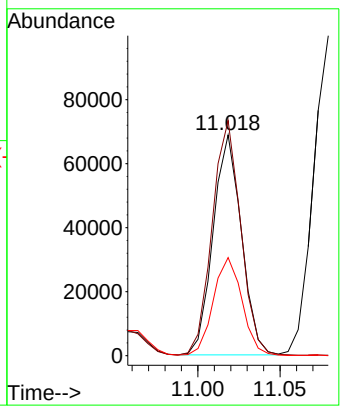


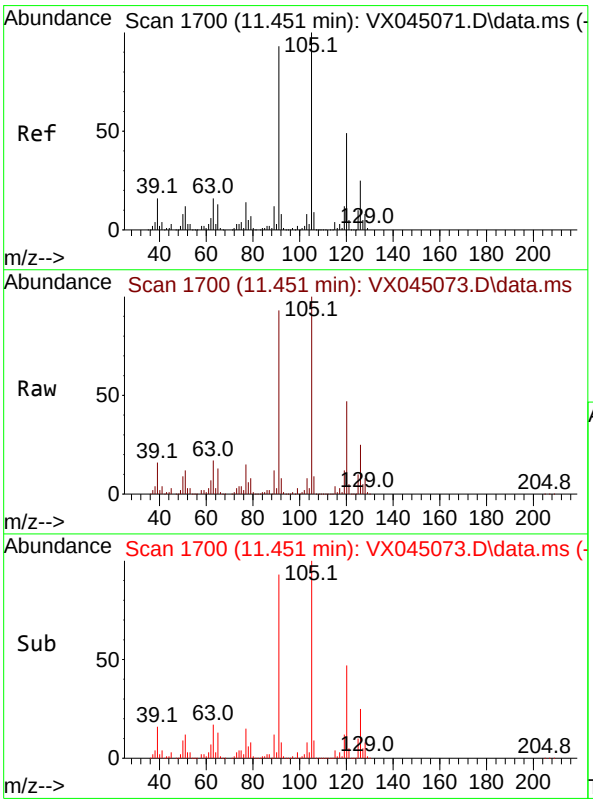
#81
trans-1,4-Dichloro-2-butene
Concen: 147.761 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

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

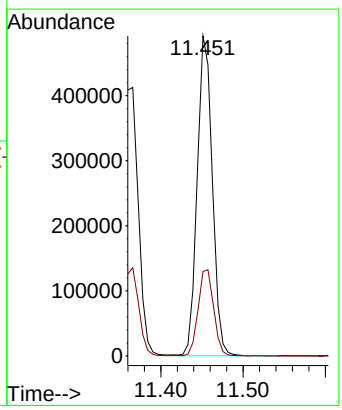


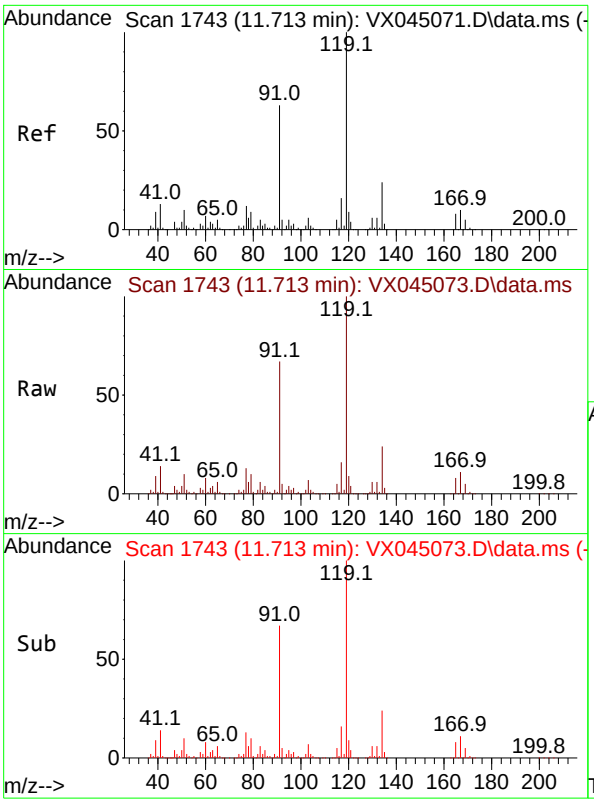


#82
4-Chlorotoluene
Concen: 146.464 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 91 Resp: 627816

Ion	Ratio	Lower	Upper
91	100		
126	27.8	14.1	42.4



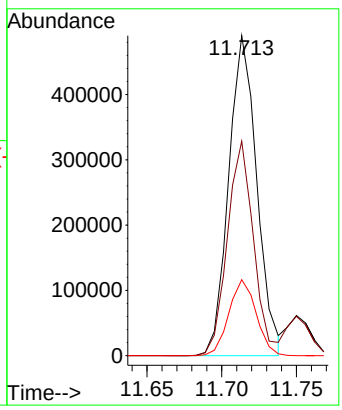


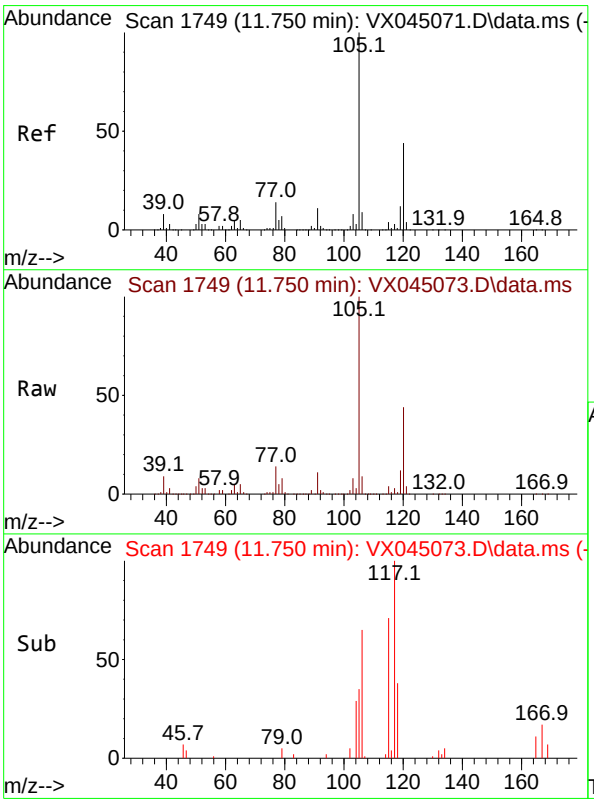
#83
tert-Butylbenzene
Concen: 142.974 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

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

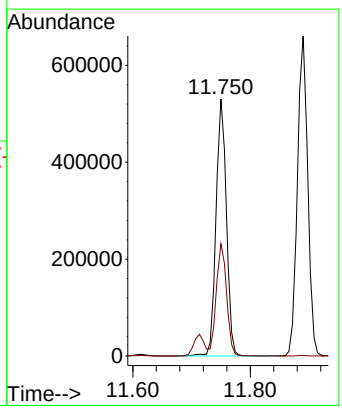


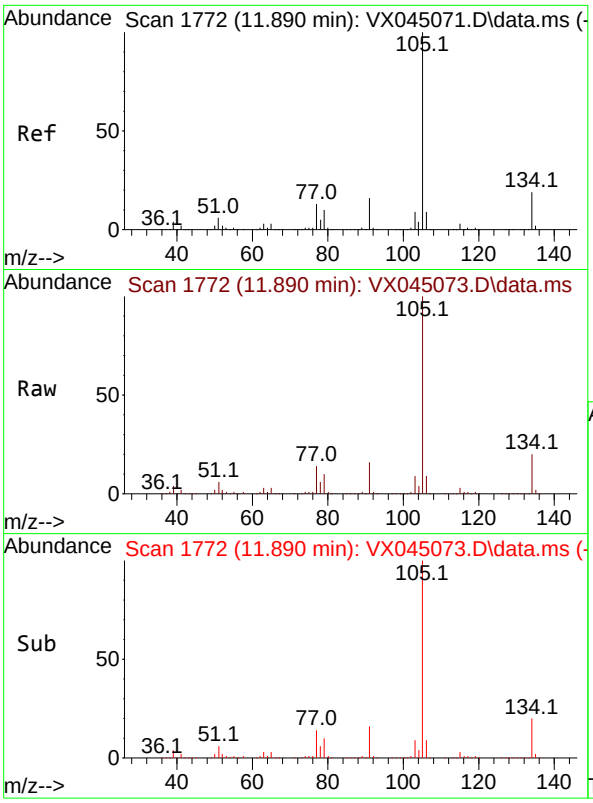


#84
1,2,4-Trimethylbenzene
Concen: 148.135 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:105 Resp: 647248

Ion	Ratio	Lower	Upper
105	100		
120	43.8	22.1	66.1



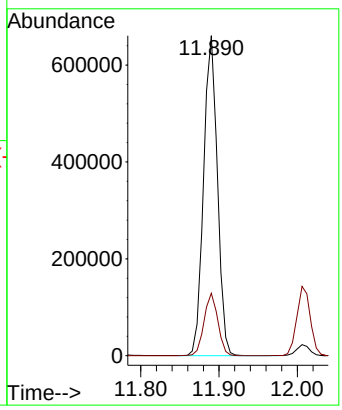


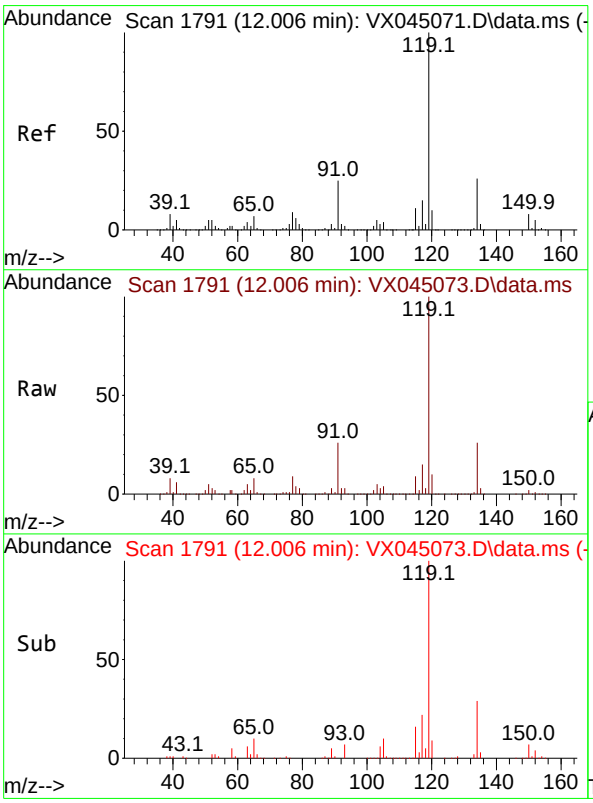
#85
sec-Butylbenzene
Concen: 145.383 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:105 Resp: 807713

Ion	Ratio	Lower	Upper
105	100		
134	19.4	9.8	29.4

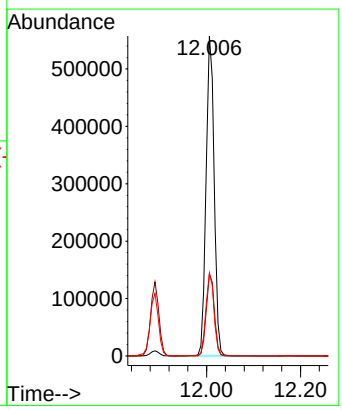


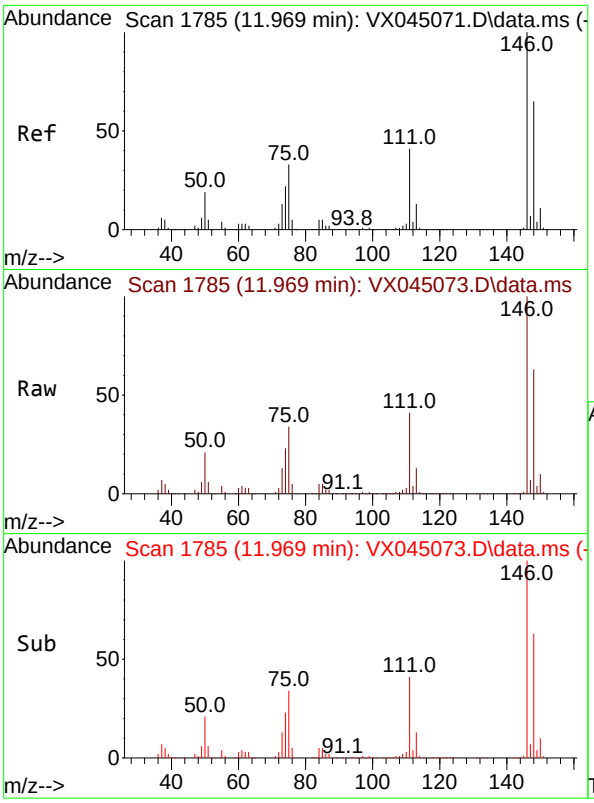


#86
p-Isopropyltoluene
Concen: 149.075 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

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



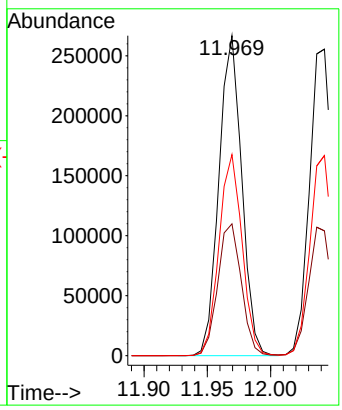


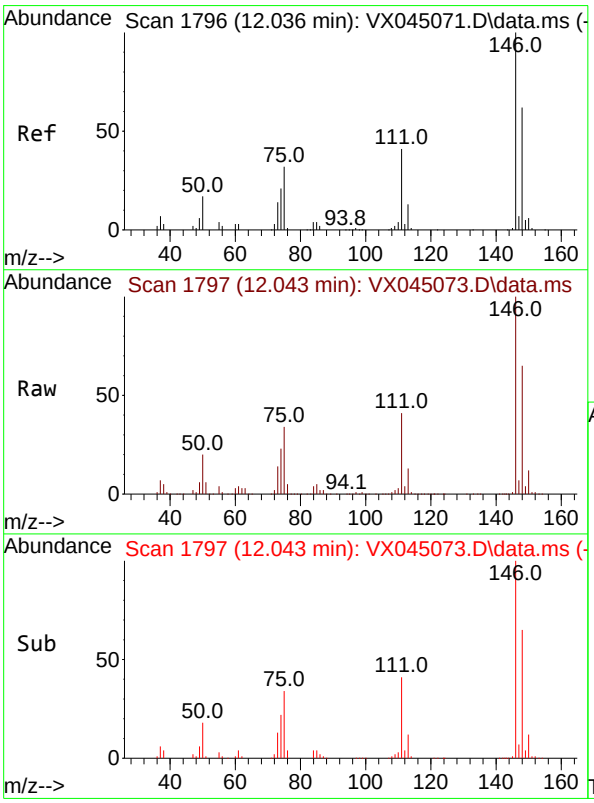
#87
1,3-Dichlorobenzene
Concen: 147.488 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

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

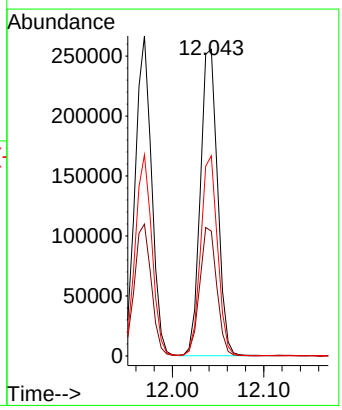


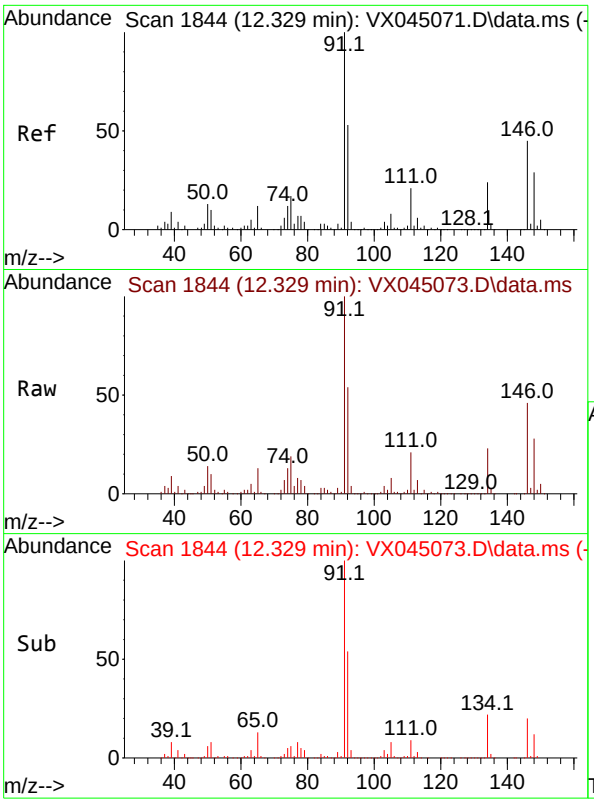


#88
1,4-Dichlorobenzene
Concen: 145.189 ug/l
RT: 12.043 min Scan# 1797
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

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



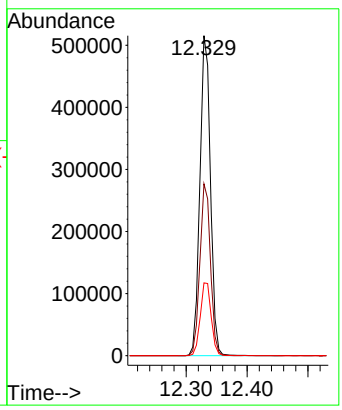


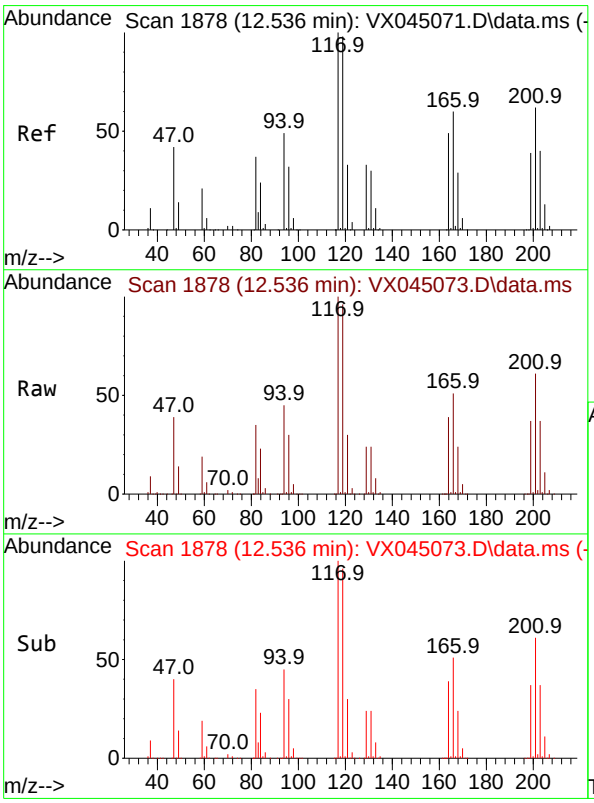
#89
n-Butylbenzene
Concen: 158.324 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

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

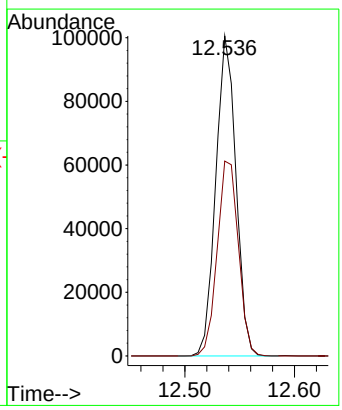


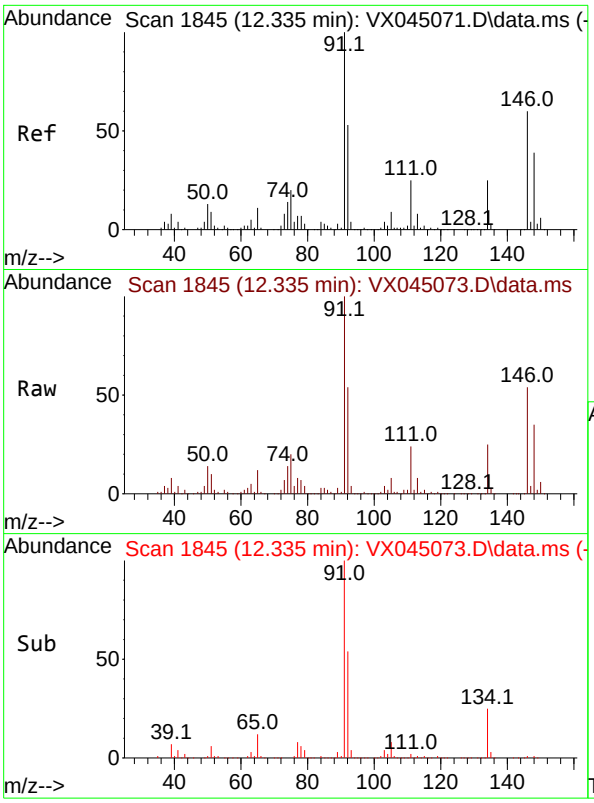


#90
Hexachloroethane
Concen: 154.554 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:117 Resp: 128582

Ion	Ratio	Lower	Upper
117	100		
201	64.2	31.9	95.9



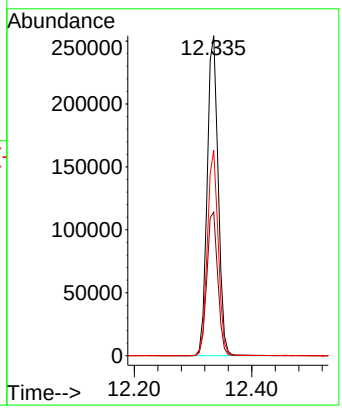


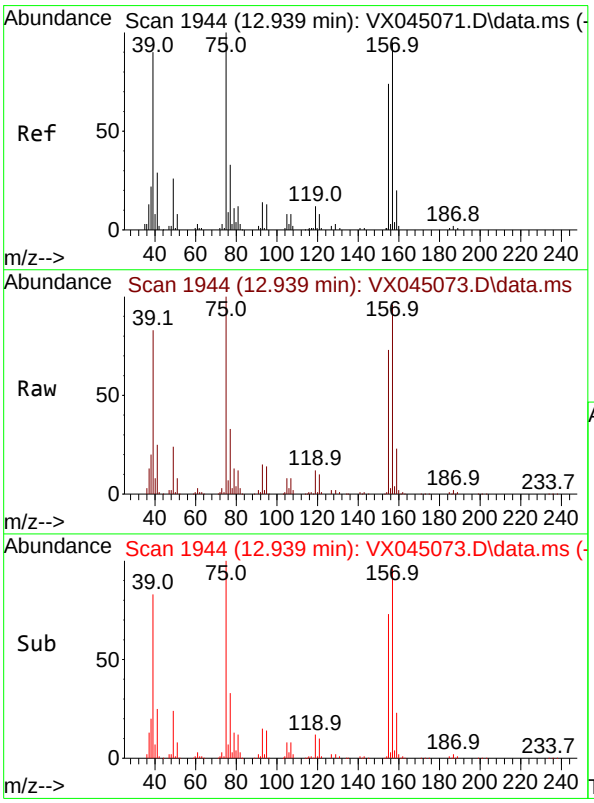
#91
1,2-Dichlorobenzene
Concen: 147.436 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

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

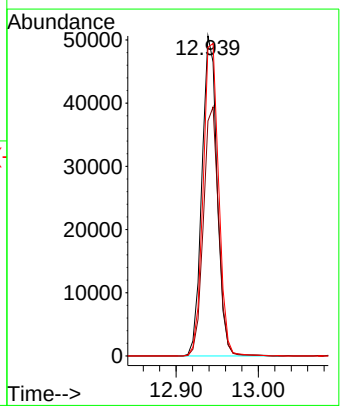


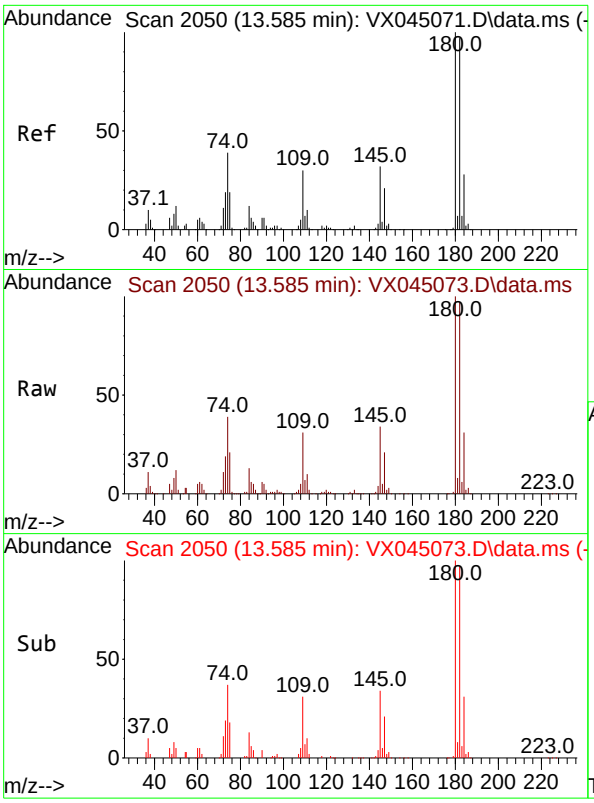


#92
1,2-Dibromo-3-Chloropropane
Concen: 186.240 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

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



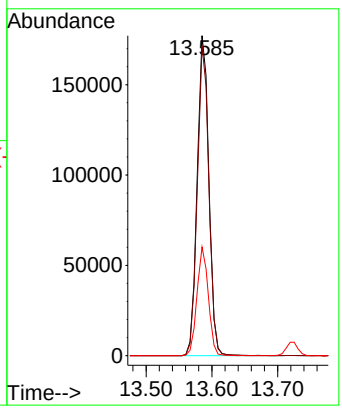


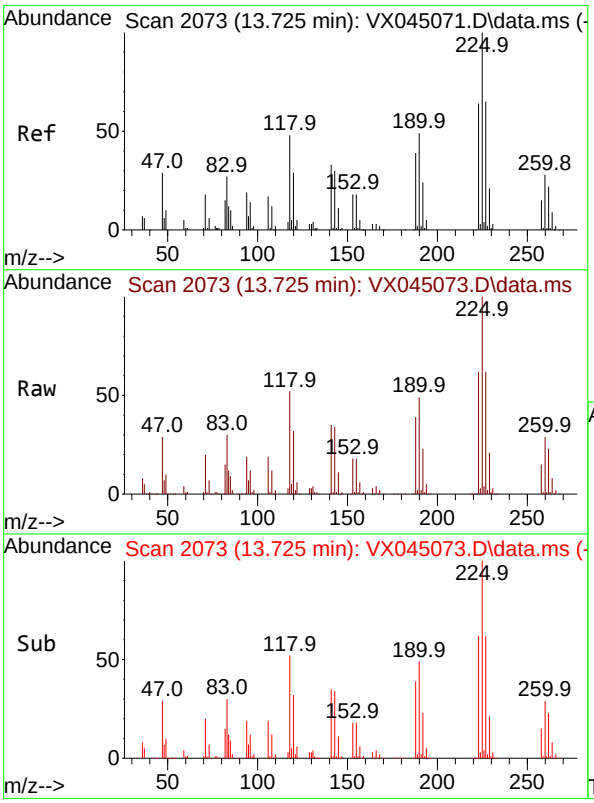
#93
1,2,4-Trichlorobenzene
Concen: 162.416 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

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

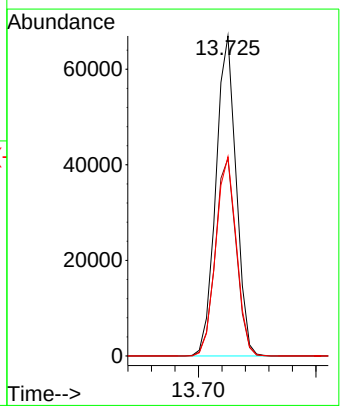


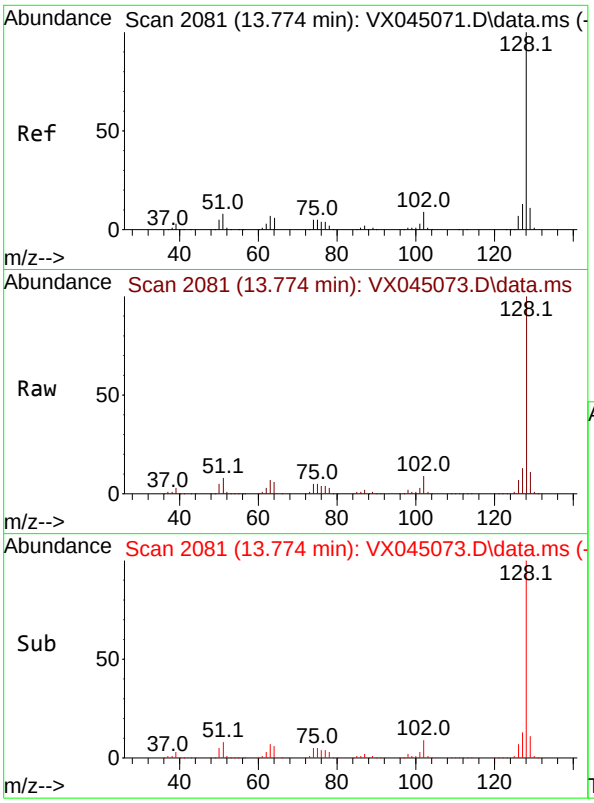


#94
Hexachlorobutadiene
Concen: 149.034 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

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



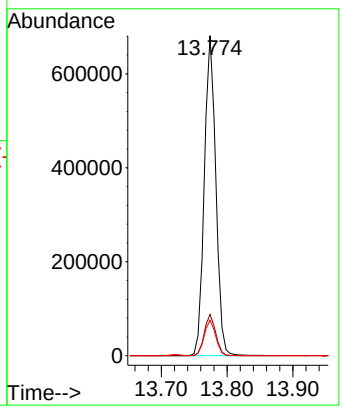


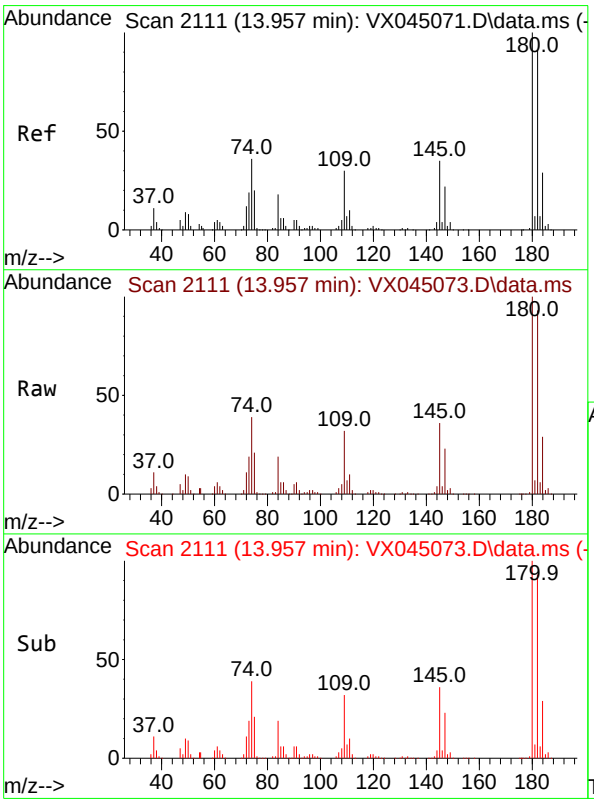
#95
Naphthalene
Concen: 168.538 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

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

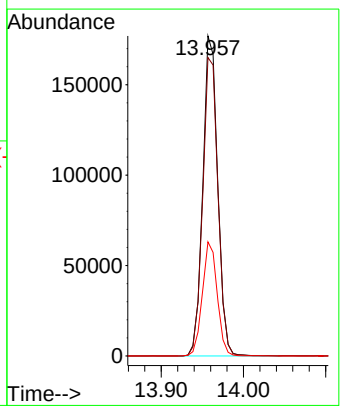




#96
1,2,3-Trichlorobenzene
Concen: 162.727 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

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)

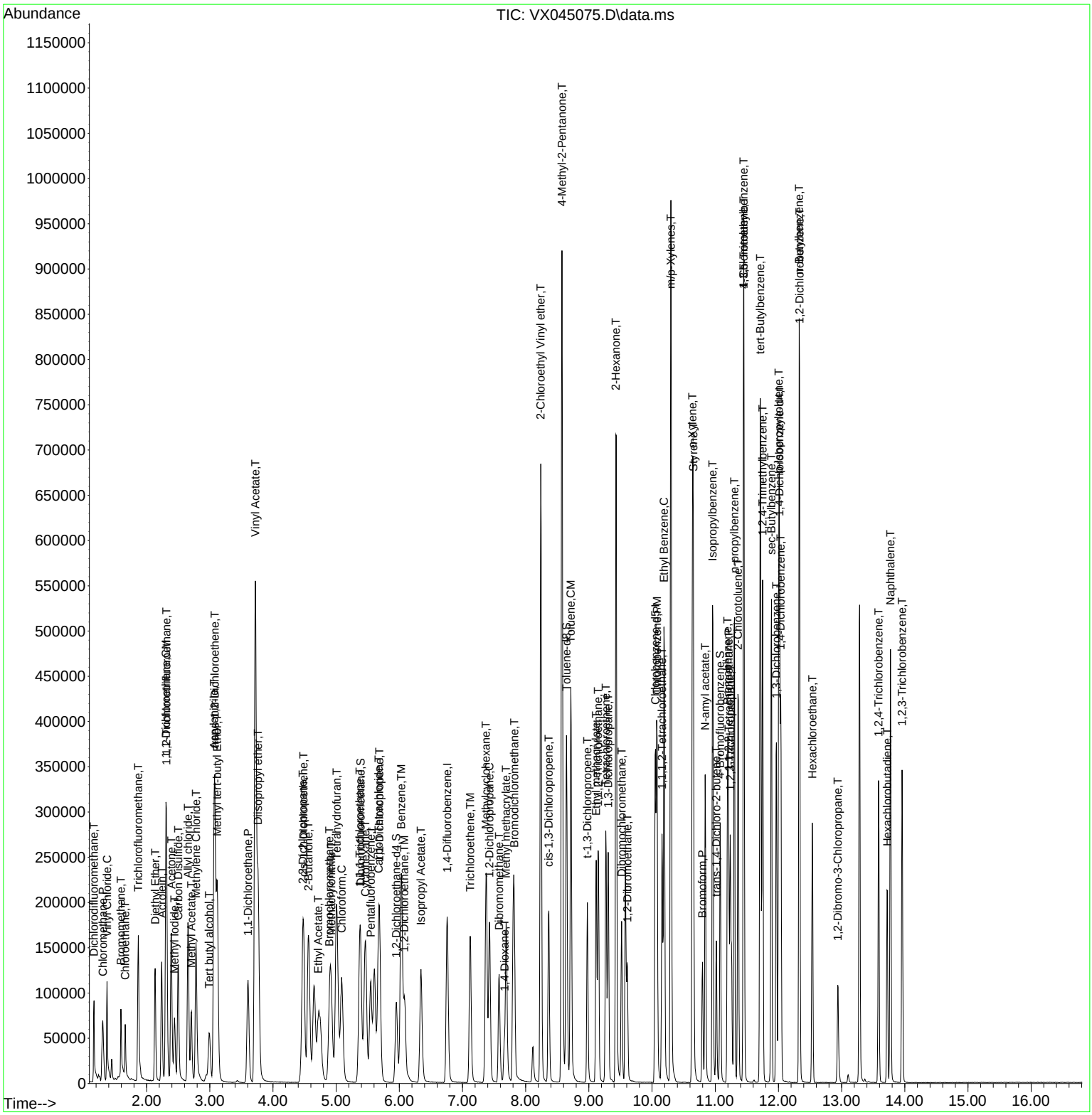
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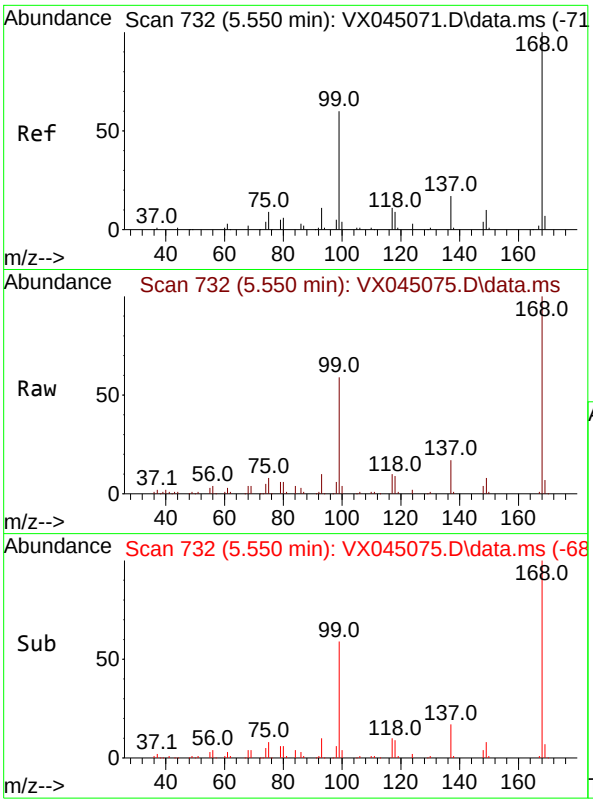
Quantitation Report (Not Reviewed)

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



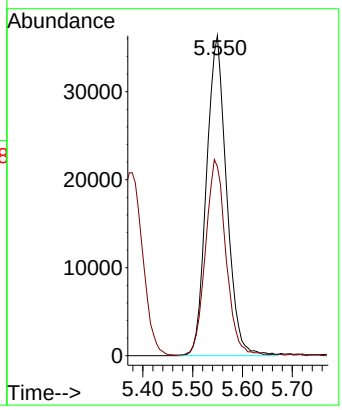


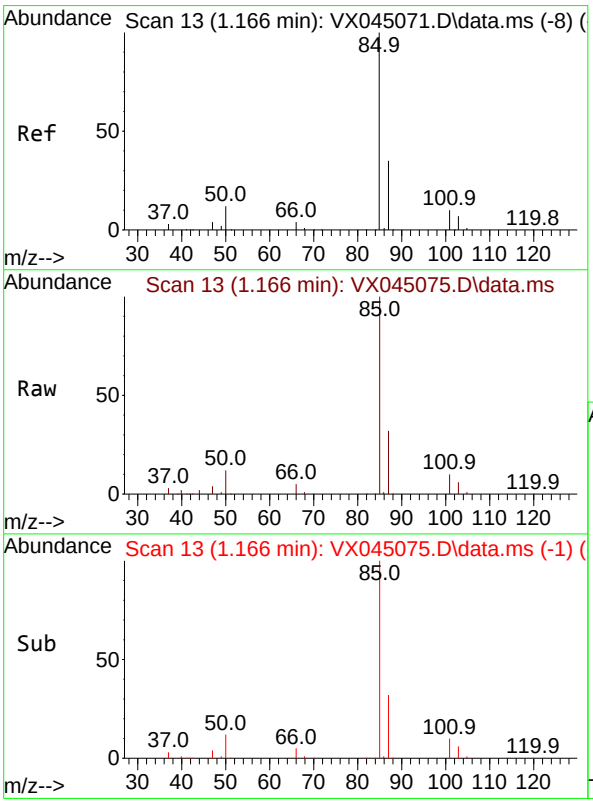
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion:168 Resp: 101603

Ion	Ratio	Lower	Upper
168	100		
99	58.9	48.2	72.4

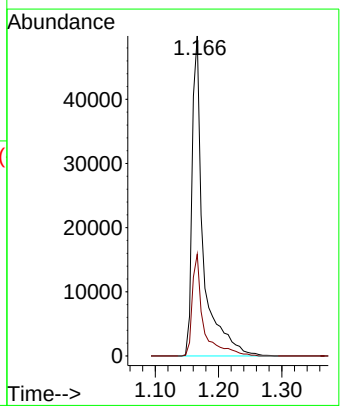


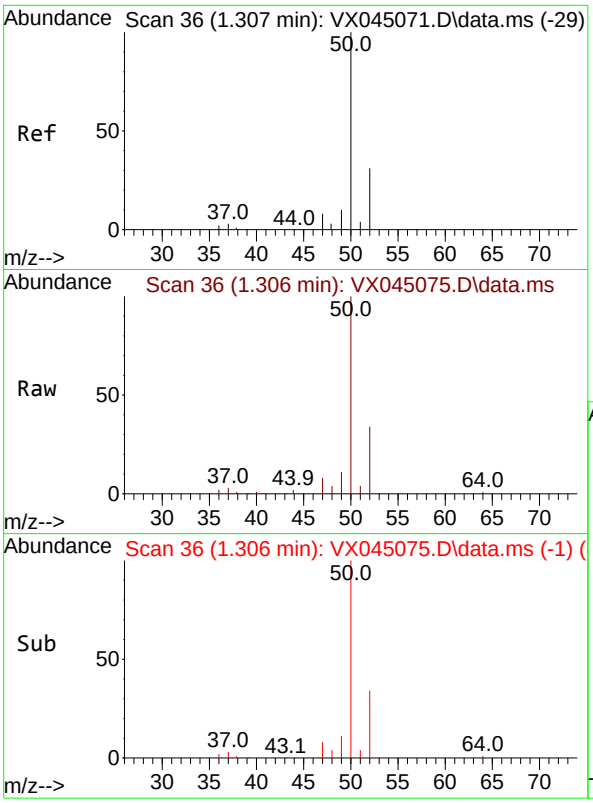


#2
Dichlorodifluoromethane
Concen: 47.933 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 85 Resp: 61303

Ion	Ratio	Lower	Upper
85	100		
87	31.8	17.4	52.3



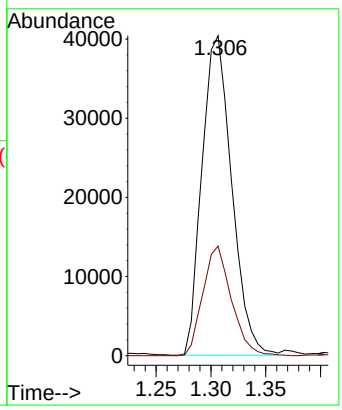


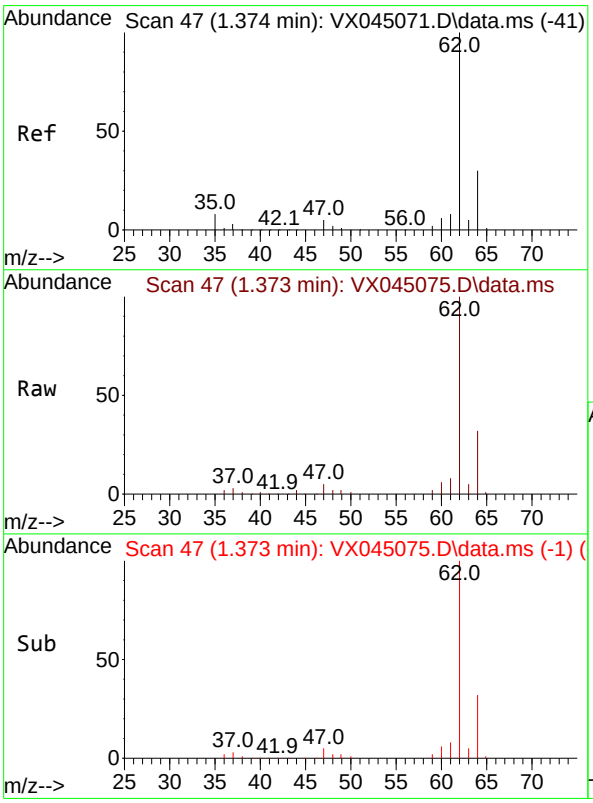
#3
Chloromethane
Concen: 48.696 ug/l
RT: 1.306 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion: 50 Resp: 76216

Ion	Ratio	Lower	Upper
50	100		
52	34.3	25.0	37.4

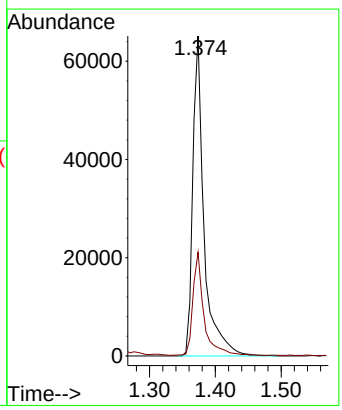


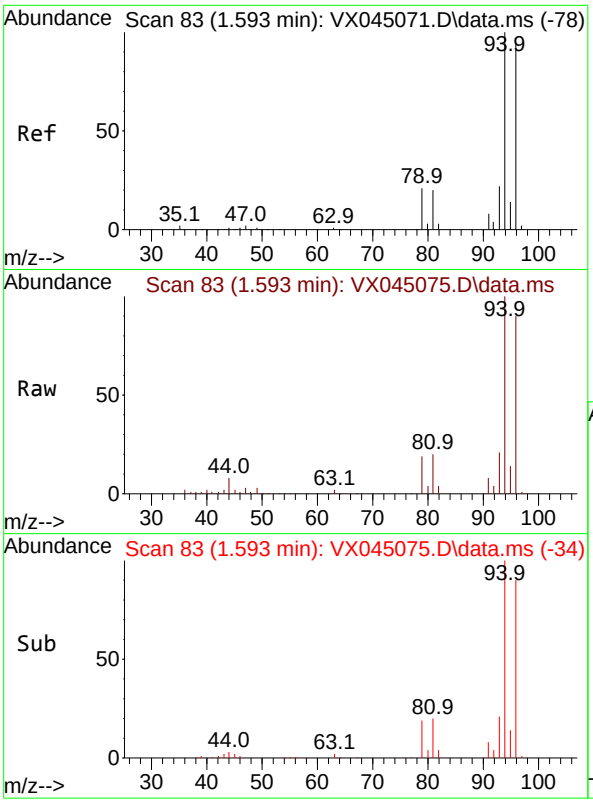


#4
Vinyl Chloride
Concen: 49.529 ug/l
RT: 1.373 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 62 Resp: 76901

Ion	Ratio	Lower	Upper
62	100		
64	32.2	24.3	36.5



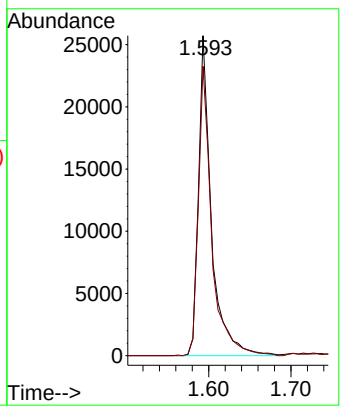


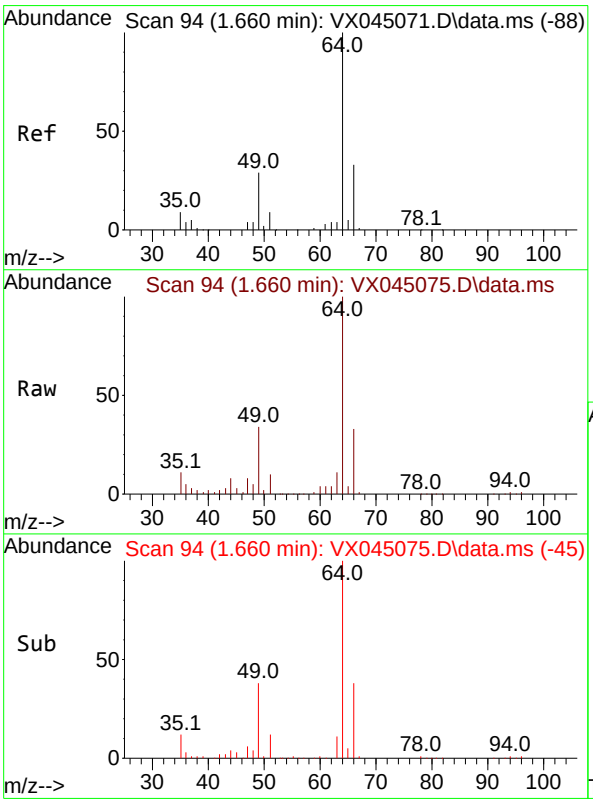
#5
Bromomethane
Concen: 46.190 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion: 94 Resp: 28193

Ion	Ratio	Lower	Upper
94	100		
96	90.5	75.0	112.4

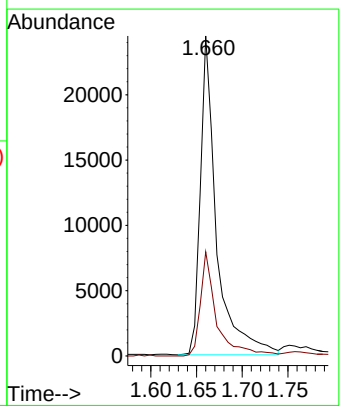


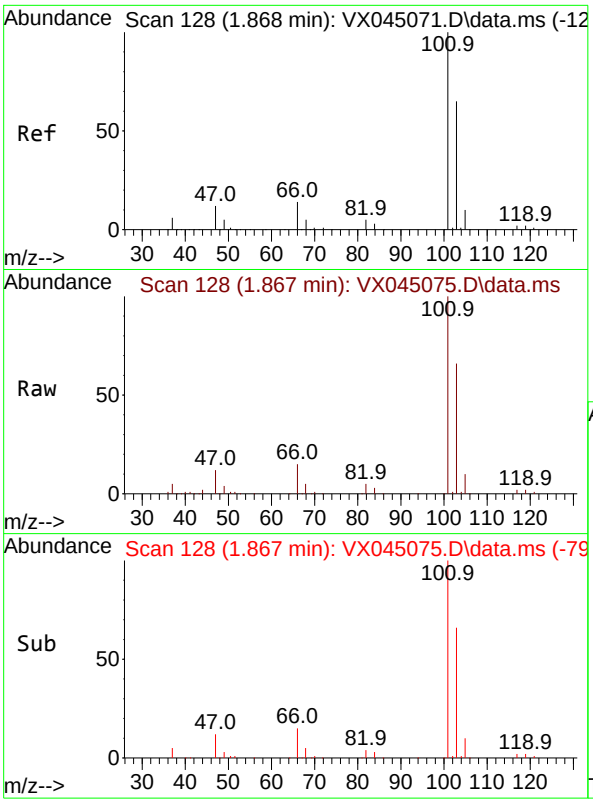


#6
Chloroethane
Concen: 41.948 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 64 Resp: 30042

Ion	Ratio	Lower	Upper
64	100		
66	32.6	26.7	40.1



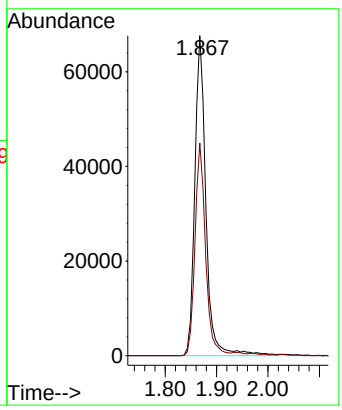


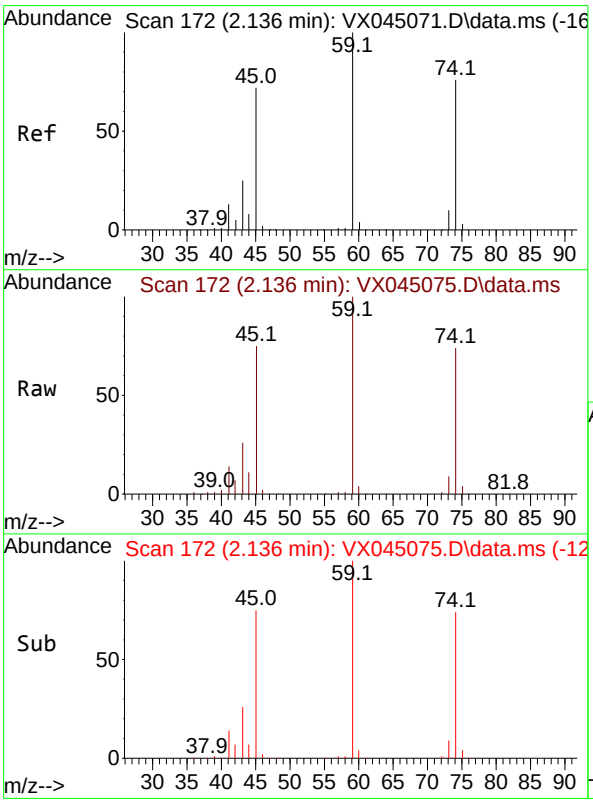
#7
Trichlorofluoromethane
Concen: 49.569 ug/l
RT: 1.867 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion:101 Resp: 101886

Ion	Ratio	Lower	Upper
101	100		
103	66.4	52.1	78.1

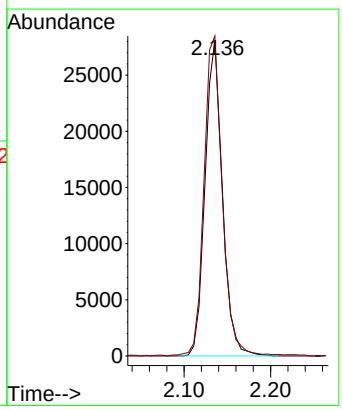


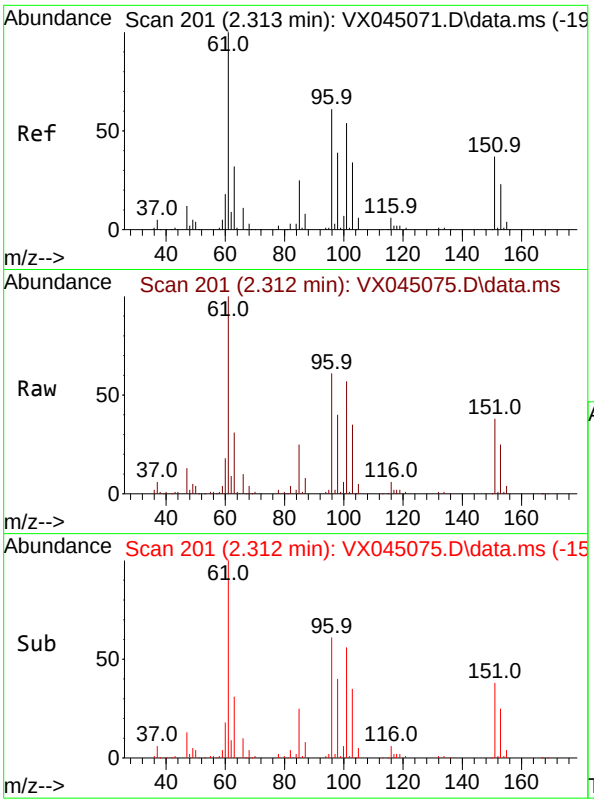


#8
Diethyl Ether
Concen: 48.651 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 74 Resp: 39113

Ion	Ratio	Lower	Upper
74	100		
45	107.2	51.5	154.5



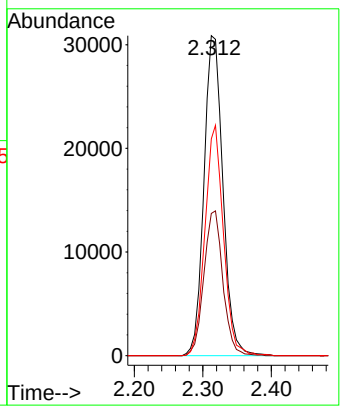


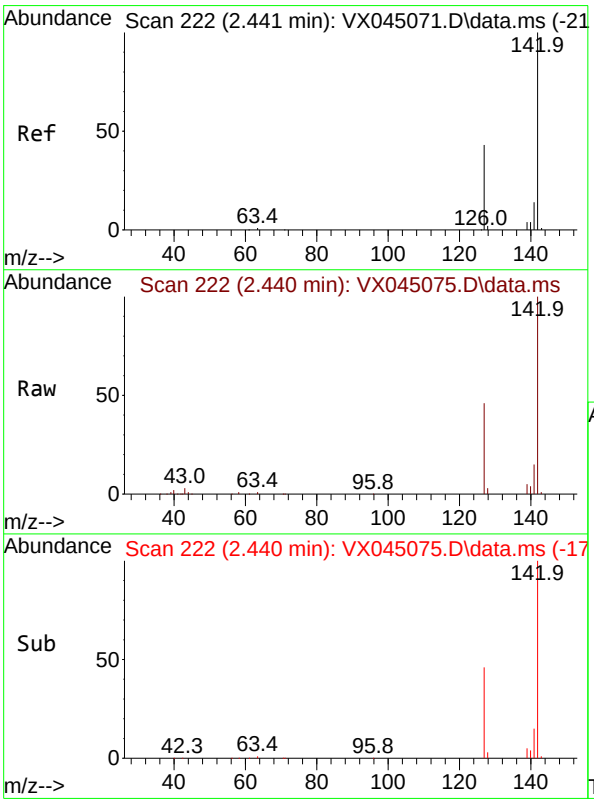
#9
1,1,2-Trichlorotrifluoroethane
Concen: 50.367 ug/l
RT: 2.312 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

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

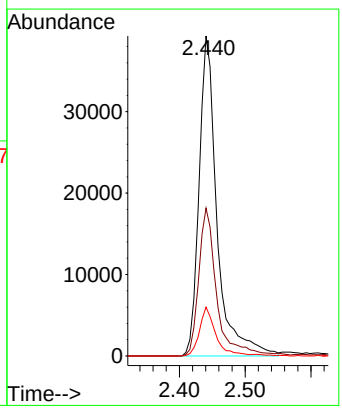


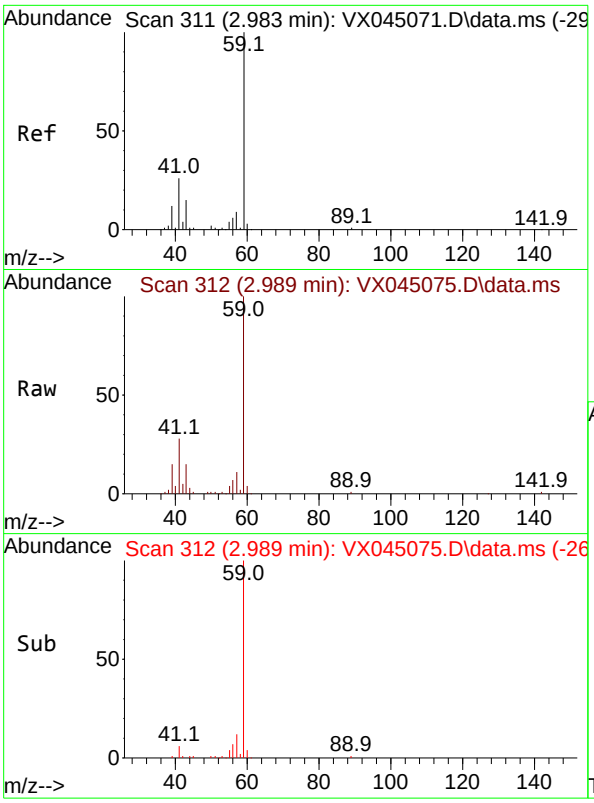


#10
Methyl Iodide
Concen: 50.541 ug/l
RT: 2.440 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

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



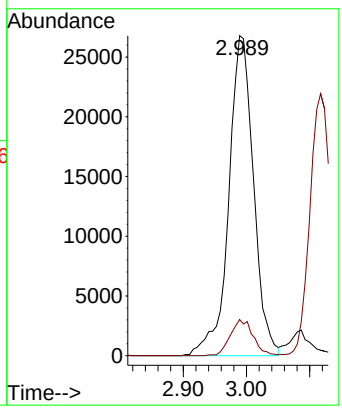


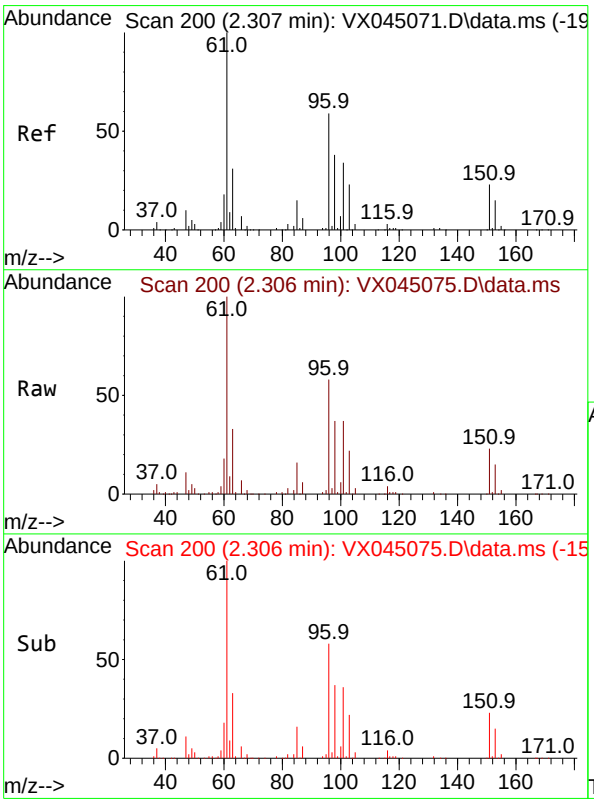
#11
Tert butyl alcohol
Concen: 238.577 ug/l
RT: 2.989 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion: 59 Resp: 73034

Ion	Ratio	Lower	Upper
59	100		
57	10.4	7.8	11.8

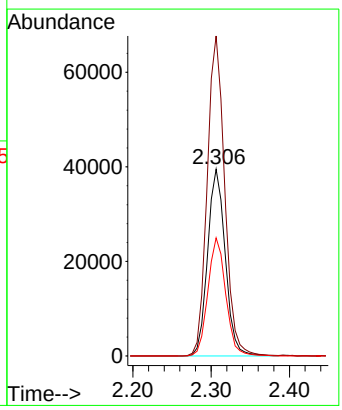


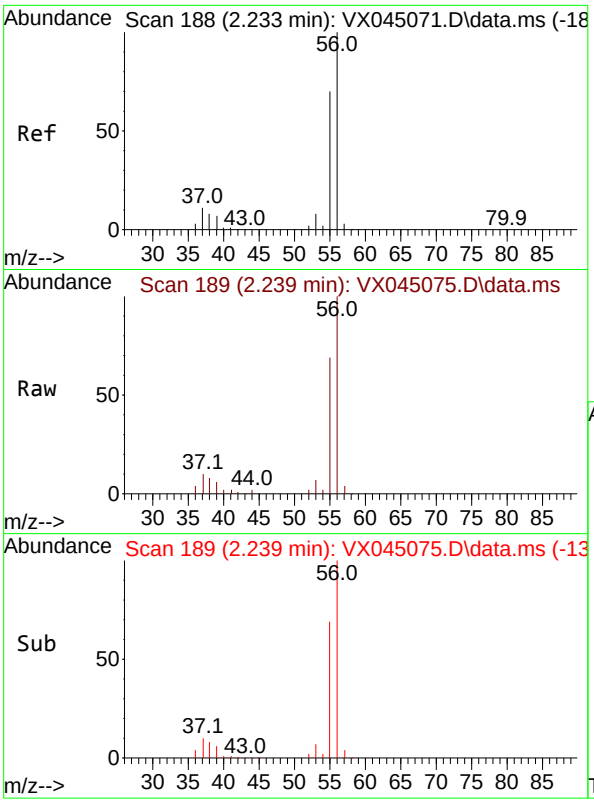


#12
1,1-Dichloroethene
Concen: 49.568 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

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



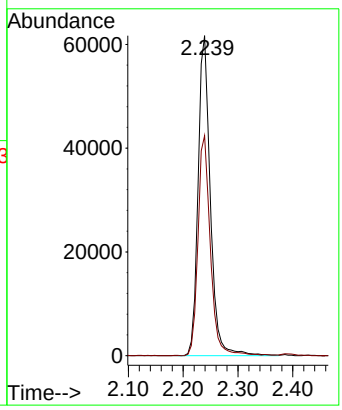


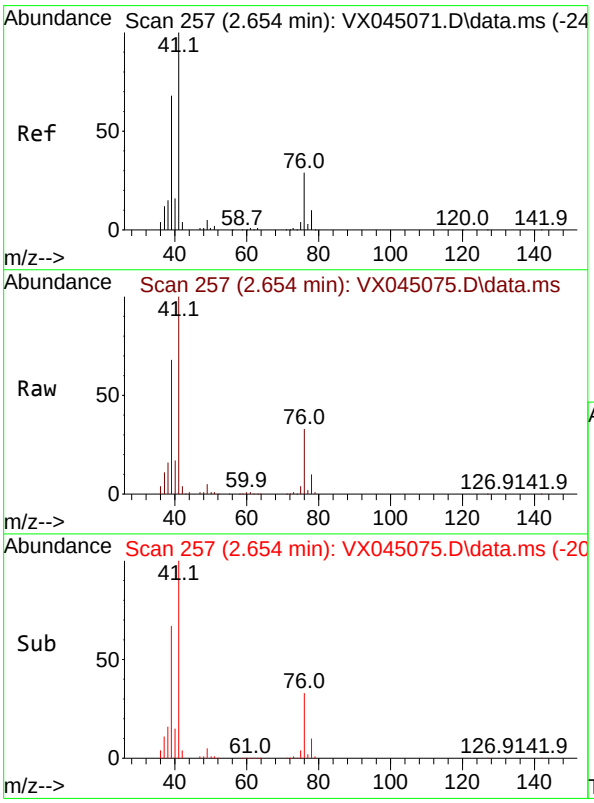
#13
Acrolein
Concen: 271.255 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion: 56 Resp: 95989

Ion	Ratio	Lower	Upper
56	100		
55	69.5	56.2	84.4

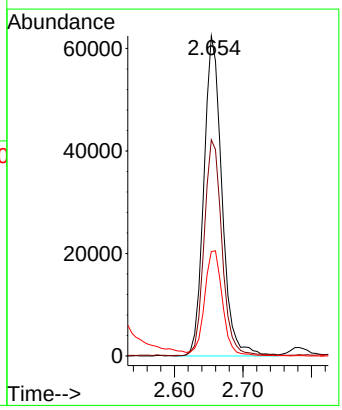


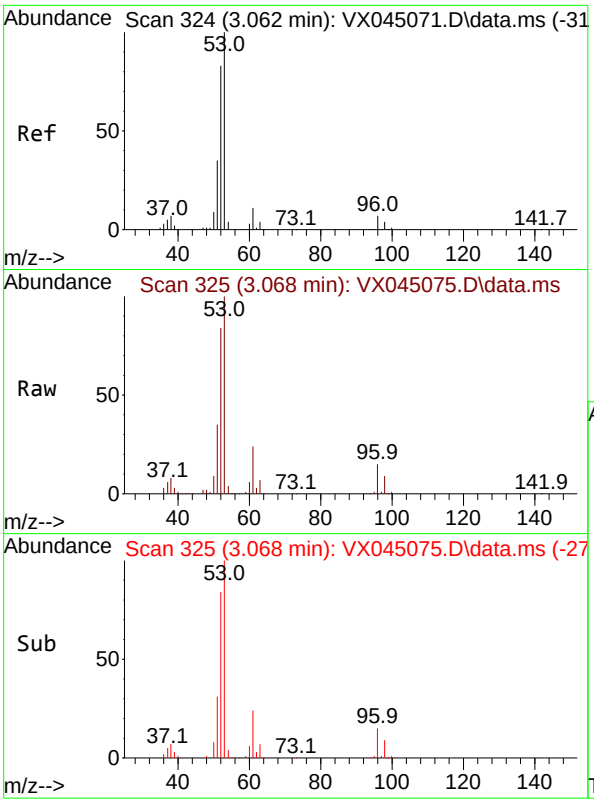


#14
Allyl chloride
Concen: 51.691 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

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



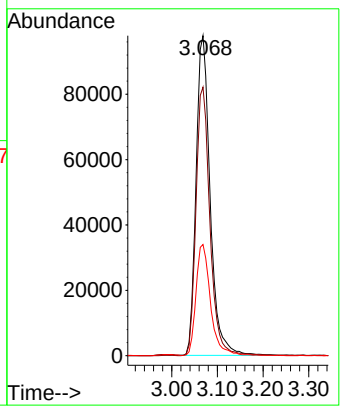


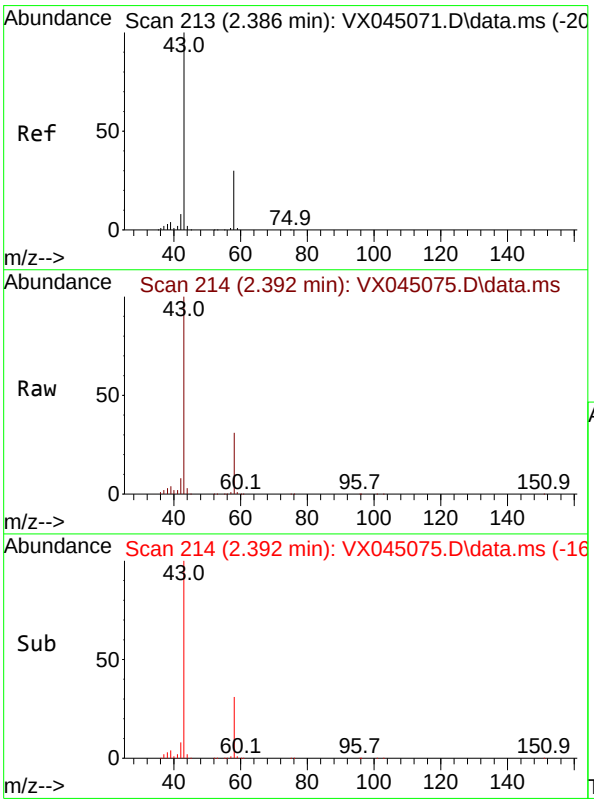
#15
Acrylonitrile
Concen: 255.479 ug/l
RT: 3.068 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

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

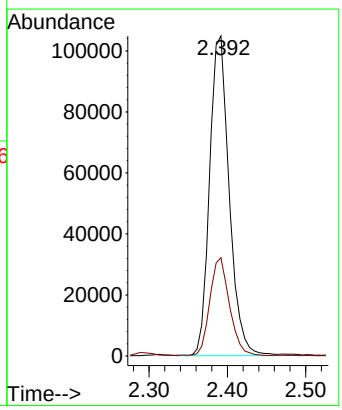


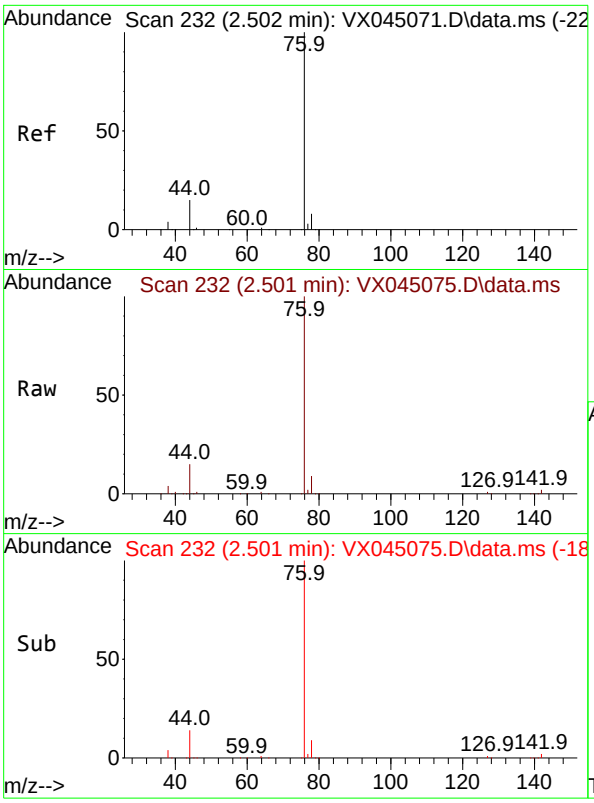


#16
Acetone
Concen: 242.877 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 43 Resp: 182119

Ion	Ratio	Lower	Upper
43	100		
58	30.5	24.2	36.4



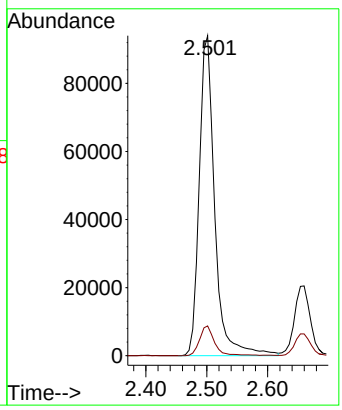


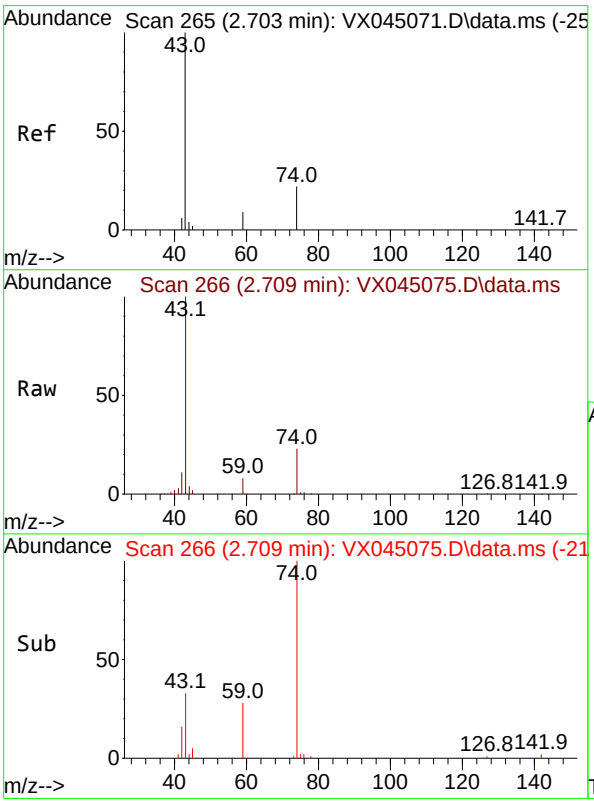
#17
Carbon Disulfide
Concen: 49.952 ug/l
RT: 2.501 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion: 76 Resp: 166105

Ion	Ratio	Lower	Upper
76	100		
78	9.3	6.6	9.8

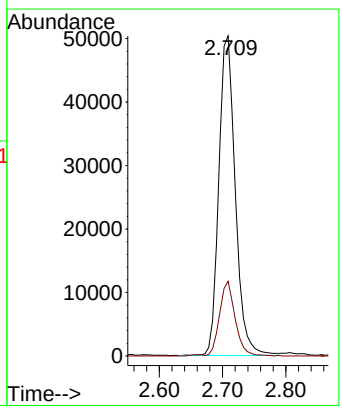


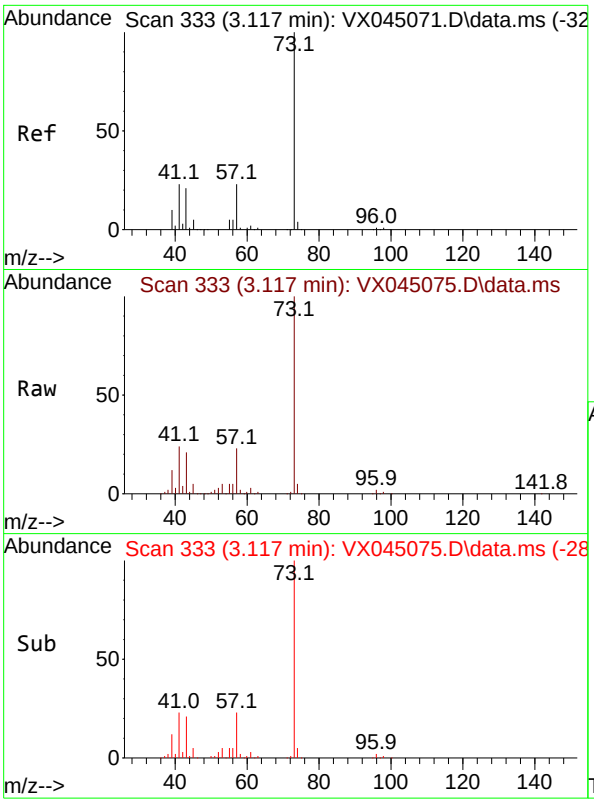


#18
Methyl Acetate
Concen: 50.312 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 43 Resp: 90756

Ion	Ratio	Lower	Upper
43	100		
74	22.1	17.4	26.2



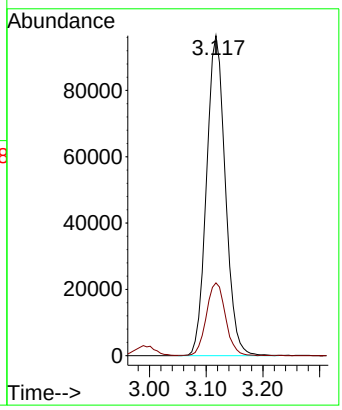


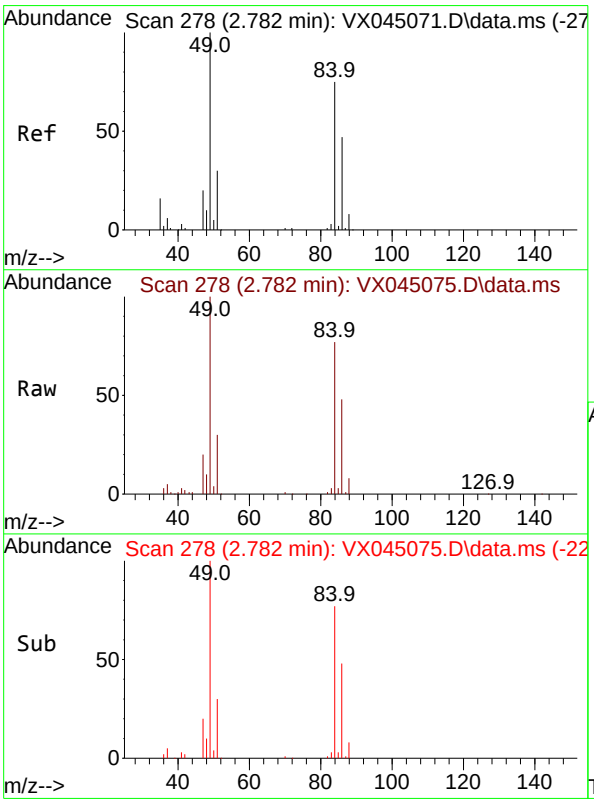
#19
Methyl tert-butyl Ether
Concen: 53.114 ug/l
RT: 3.117 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion: 73 Resp: 222475

Ion	Ratio	Lower	Upper
73	100		
57	22.7	18.5	27.7

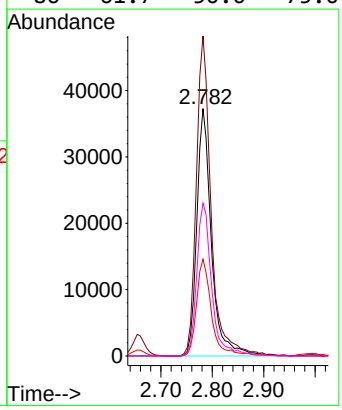


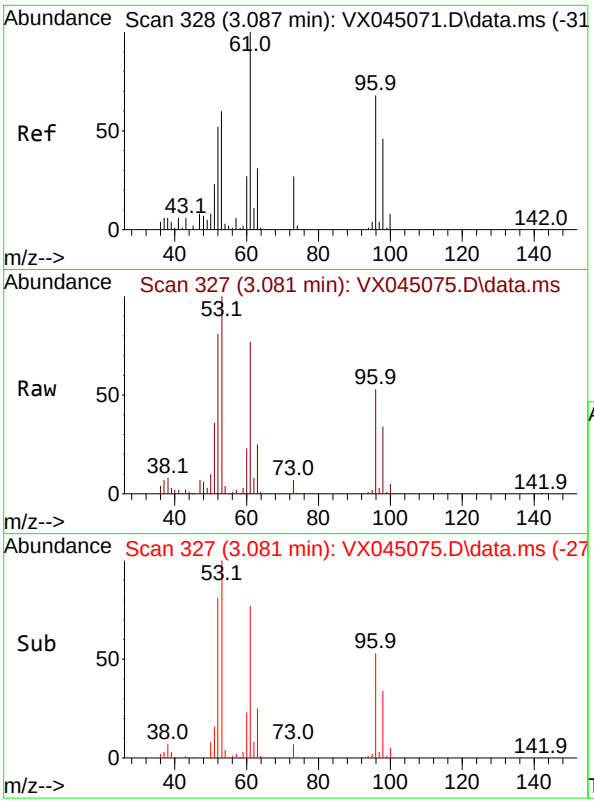


#20
Methylene Chloride
Concen: 49.639 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

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



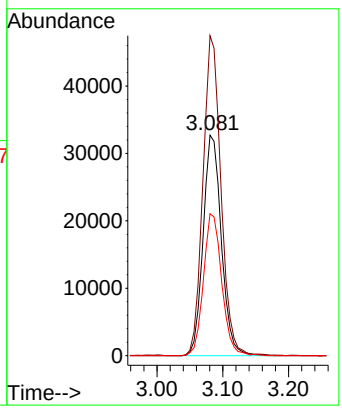


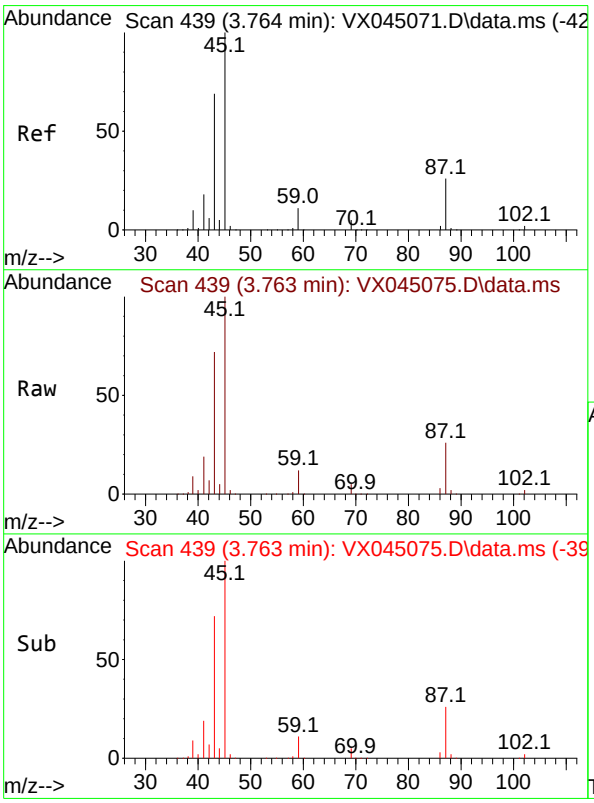
#21
trans-1,2-Dichloroethene
Concen: 51.172 ug/l
RT: 3.081 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

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

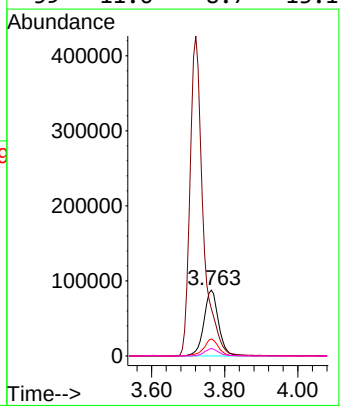


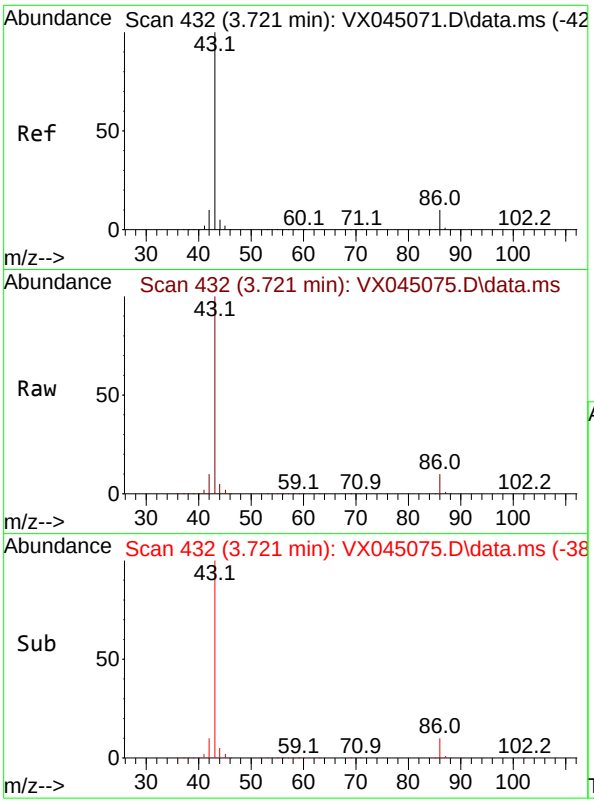


#22
Diisopropyl ether
Concen: 53.955 ug/l
RT: 3.763 min Scan# 439
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

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



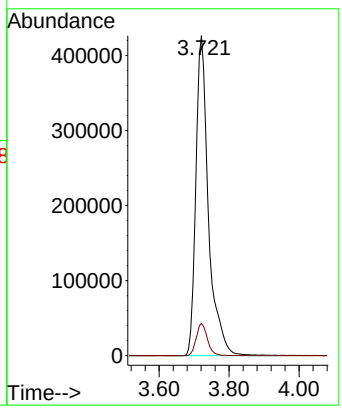


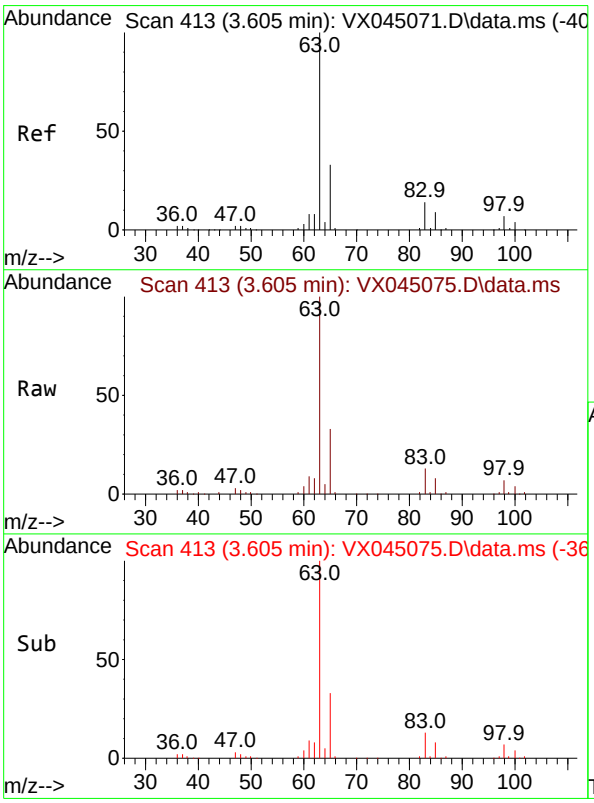
#23
Vinyl Acetate
Concen: 282.313 ug/l
RT: 3.721 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion: 43 Resp: 1064817

Ion	Ratio	Lower	Upper
43	100		
86	10.0	8.1	12.1

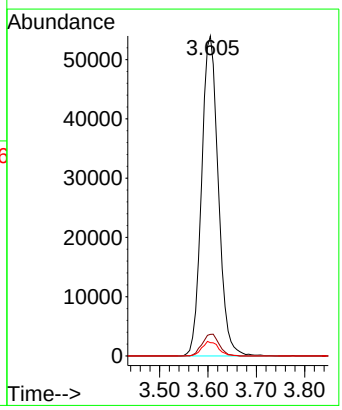


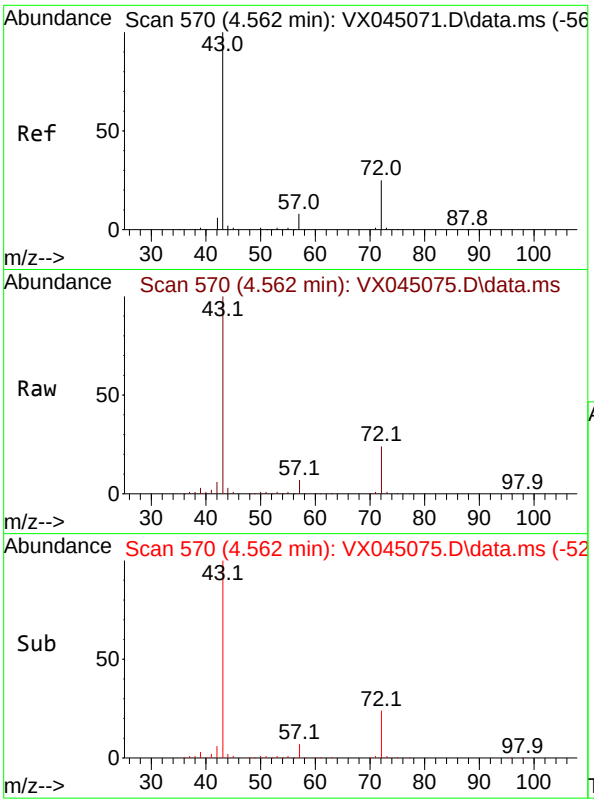


#24
1,1-Dichloroethane
Concen: 51.190 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

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



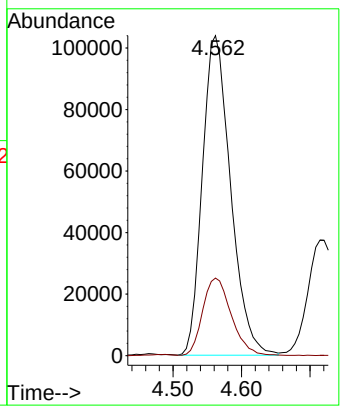


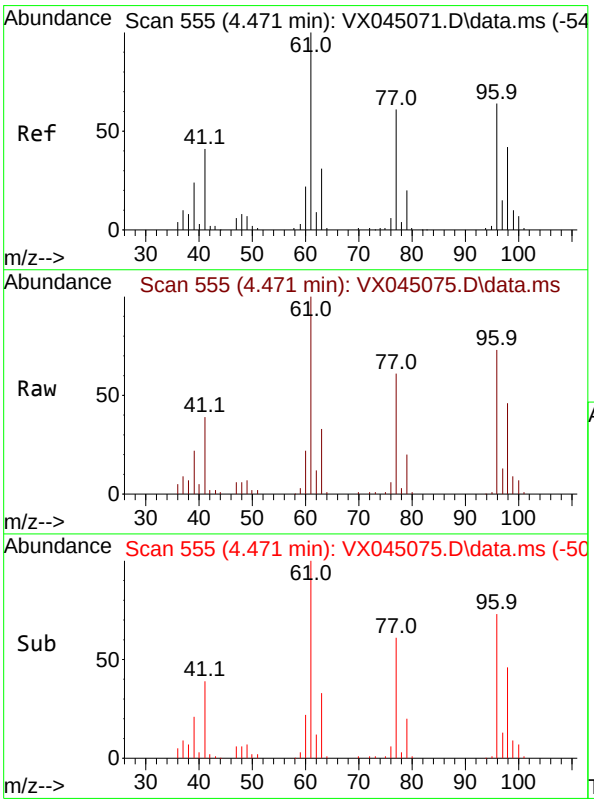
#25
2-Butanone
Concen: 264.040 ug/l
RT: 4.562 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion: 43 Resp: 298021

Ion	Ratio	Lower	Upper
43	100		
72	24.1	20.0	30.0

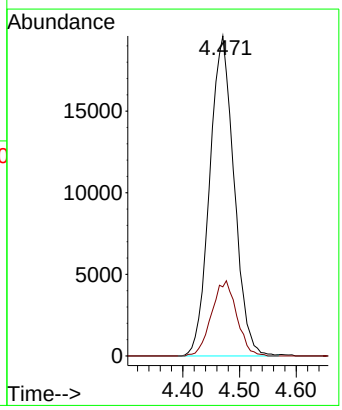


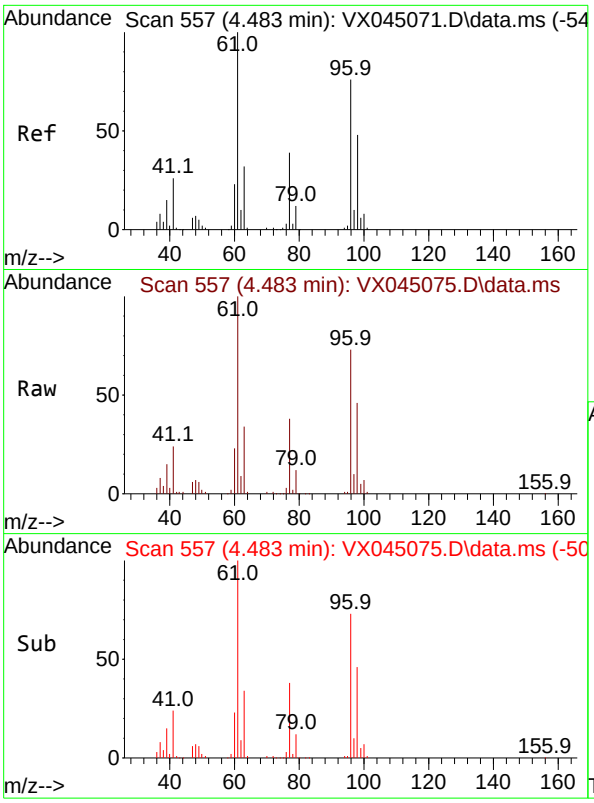


#26
2,2-Dichloropropane
Concen: 49.401 ug/l
RT: 4.471 min Scan# 555
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 77 Resp: 58694

Ion	Ratio	Lower	Upper
77	100		
97	24.2	12.4	37.0



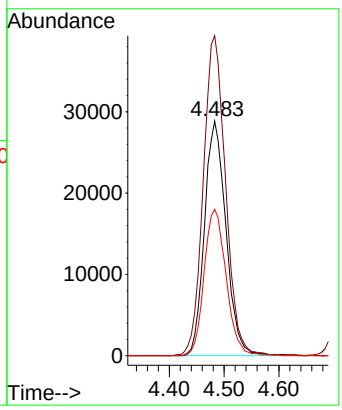


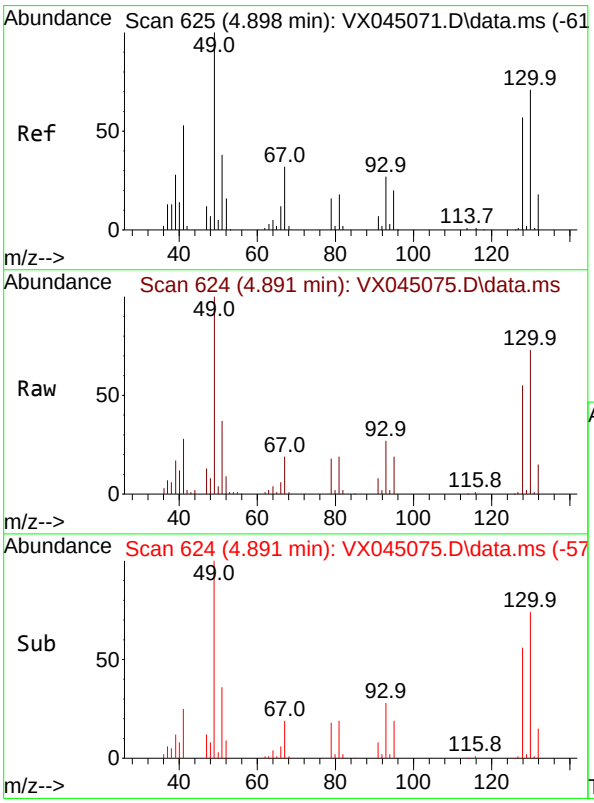
#27
cis-1,2-Dichloroethene
Concen: 51.606 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

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

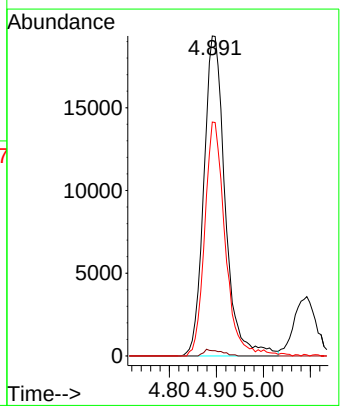


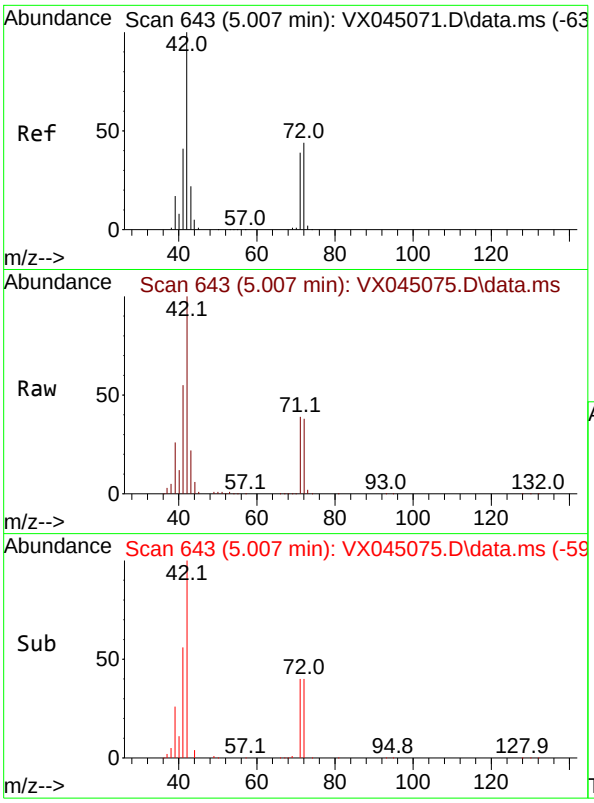


#28
Bromochloromethane
Concen: 50.399 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

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



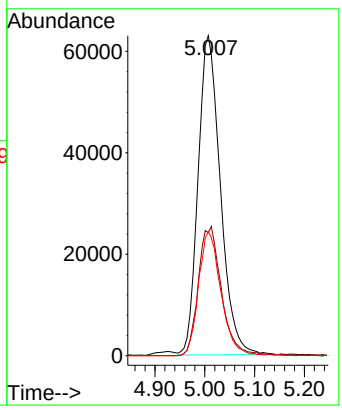


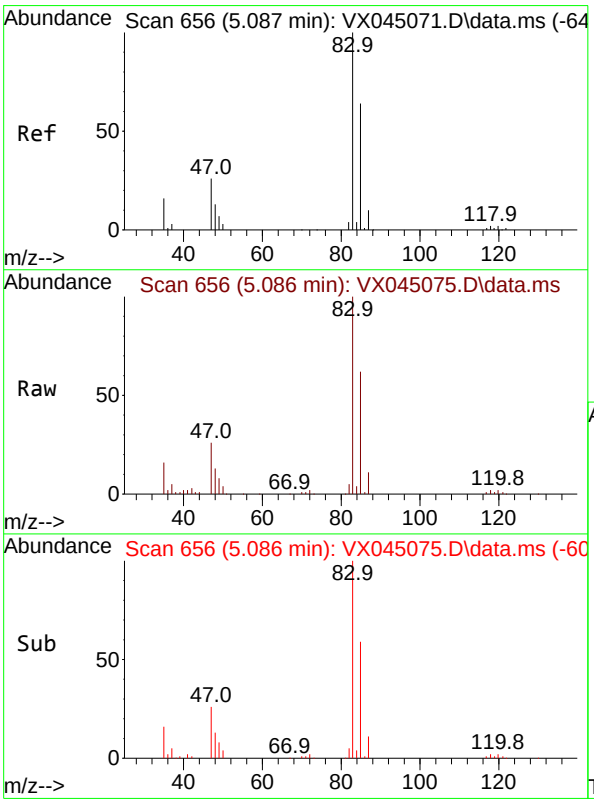
#29
Tetrahydrofuran
Concen: 258.277 ug/l
RT: 5.007 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

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

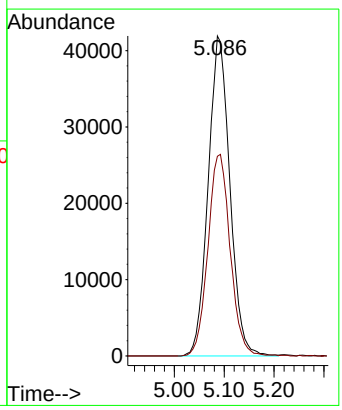


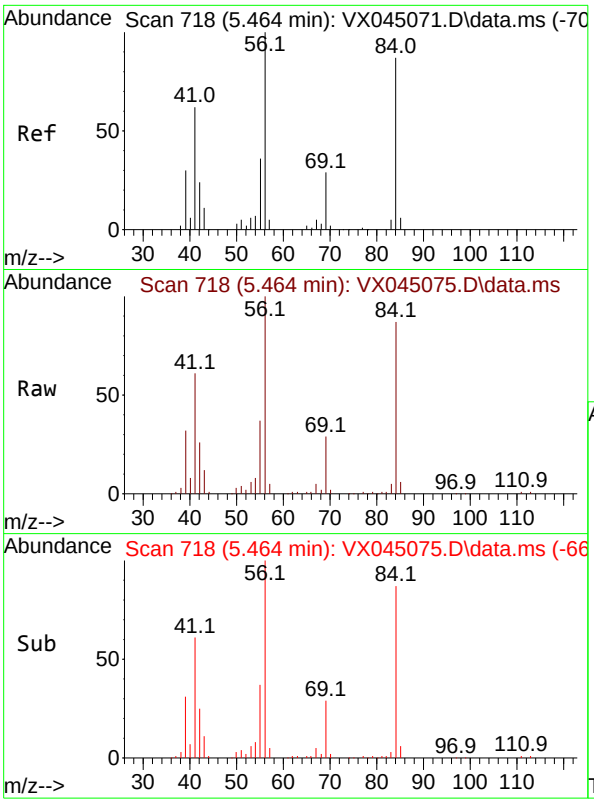


#30
Chloroform
Concen: 50.236 ug/l
RT: 5.086 min Scan# 656
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 83 Resp: 126437

Ion	Ratio	Lower	Upper
83	100		
85	62.4	51.4	77.2



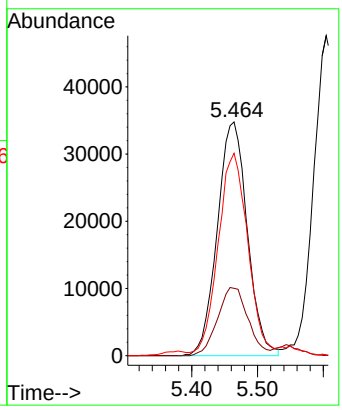


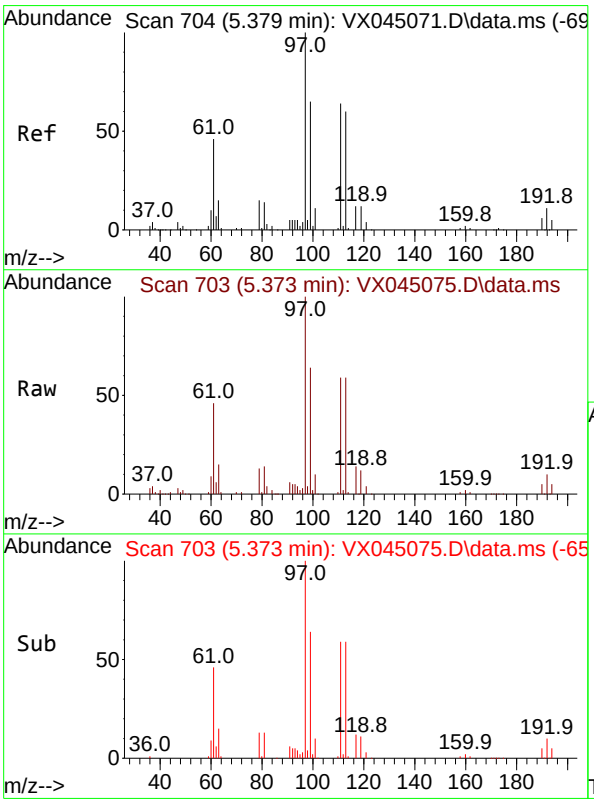
#31
Cyclohexane
Concen: 50.158 ug/l
RT: 5.464 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

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

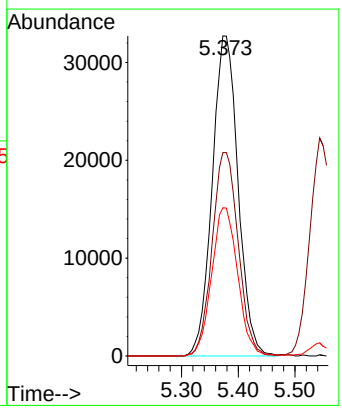


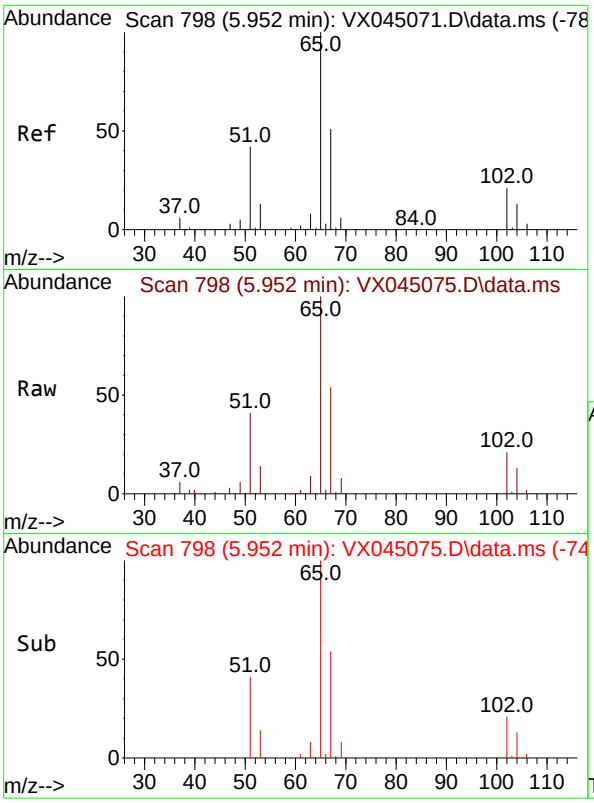


#32
1,1,1-Trichloroethane
Concen: 50.939 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.006 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

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



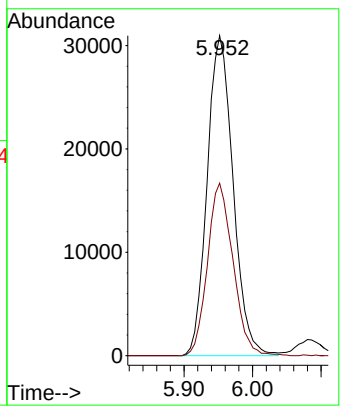


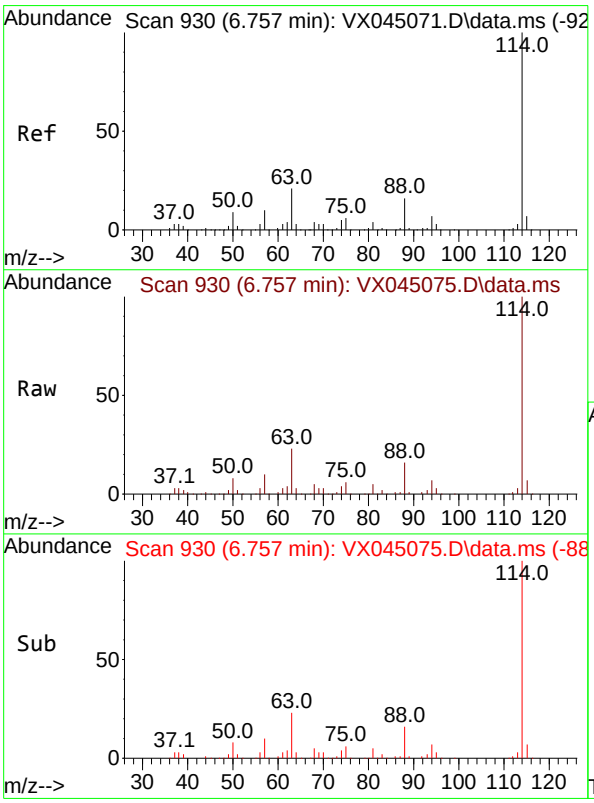
#33
1,2-Dichloroethane-d4
Concen: 50.297 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion: 65 Resp: 81288

Ion	Ratio	Lower	Upper
65	100		
67	53.1	0.0	106.2

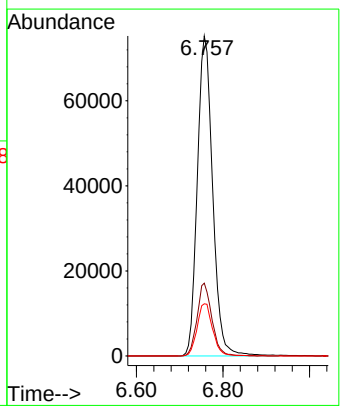


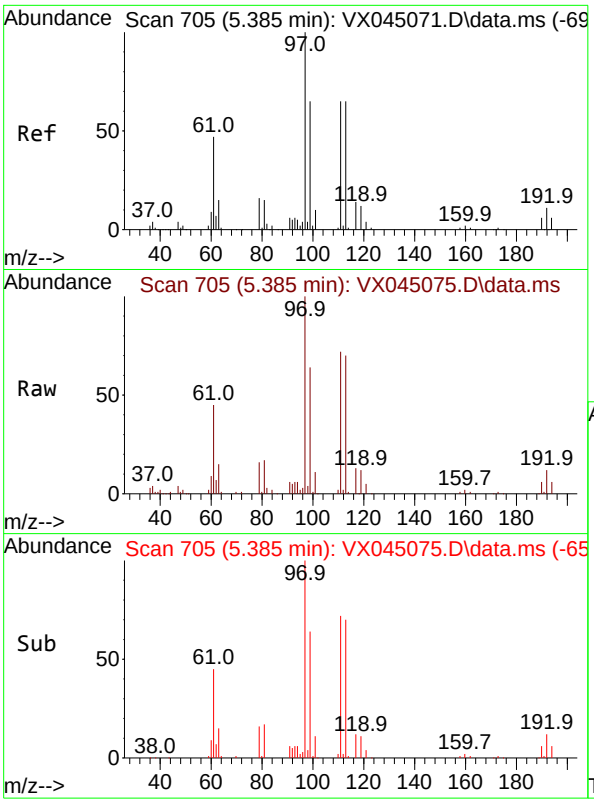


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

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



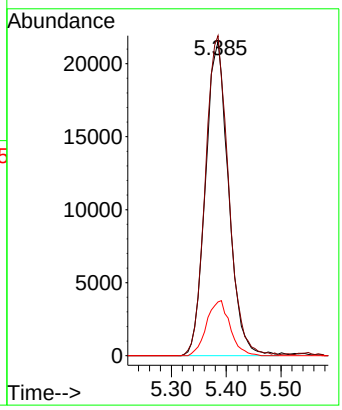


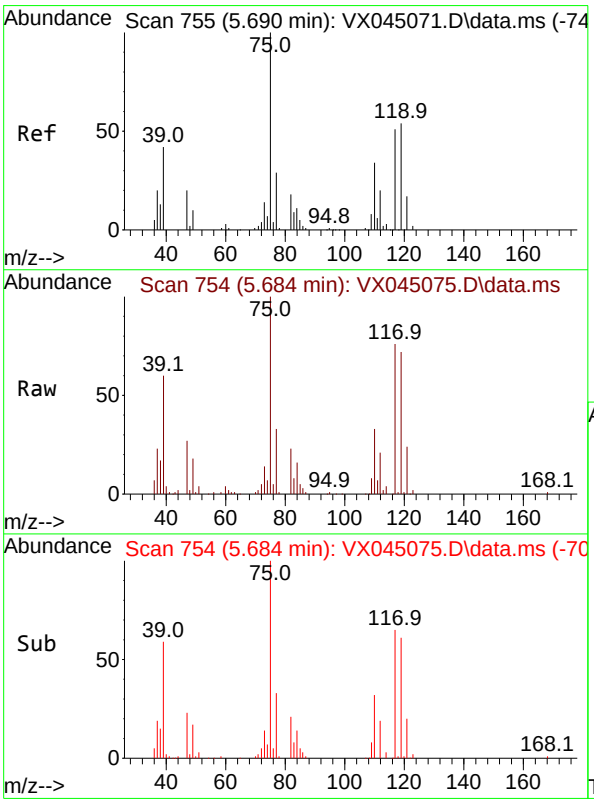
#35
Dibromofluoromethane
Concen: 50.841 ug/l
RT: 5.385 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

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

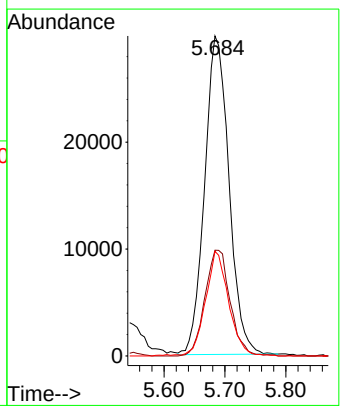


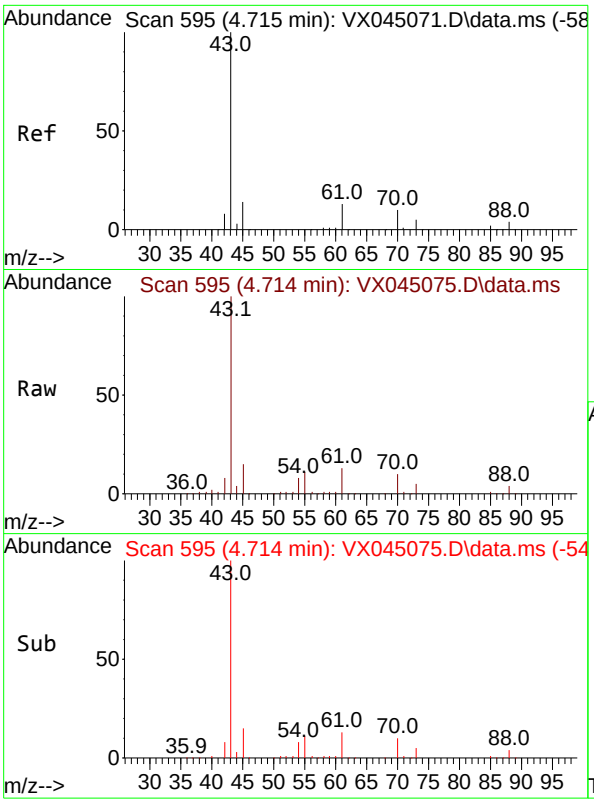


#36
1,1-Dichloropropene
Concen: 48.770 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

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



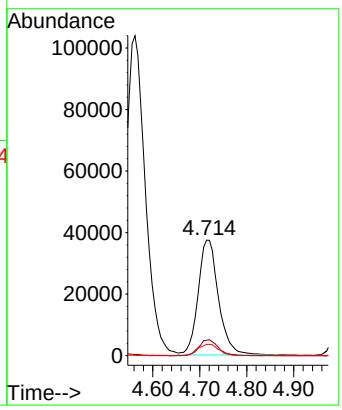


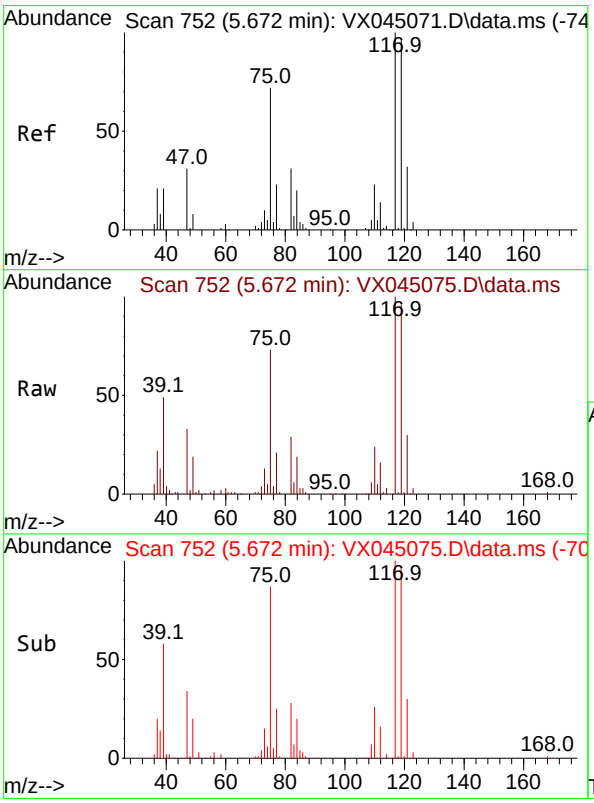
#37
Ethyl Acetate
Concen: 51.596 ug/l
RT: 4.714 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

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

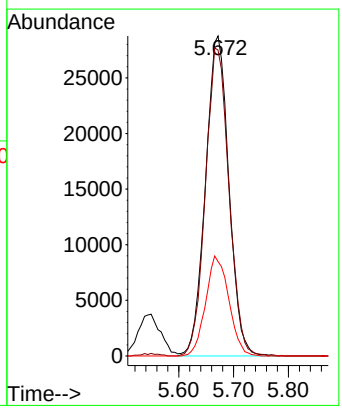


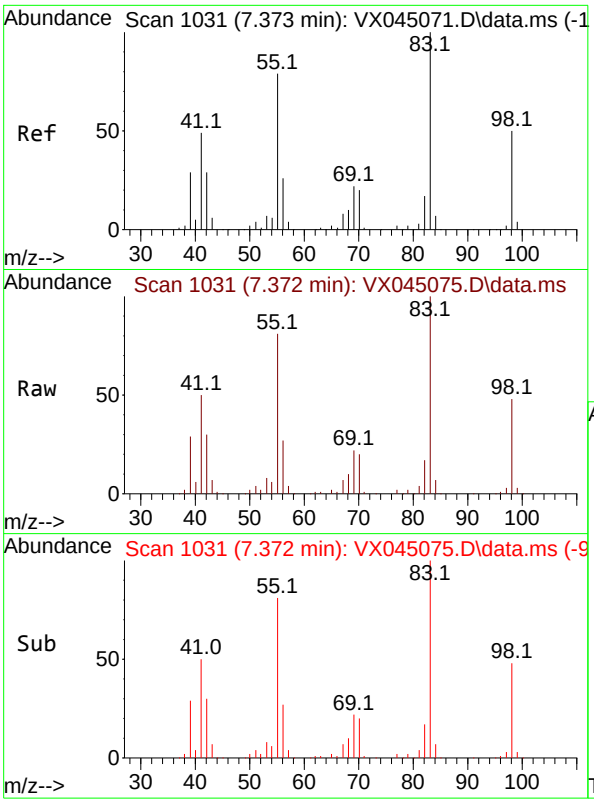


#38
Carbon Tetrachloride
Concen: 49.425 ug/l
RT: 5.672 min Scan# 752
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

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



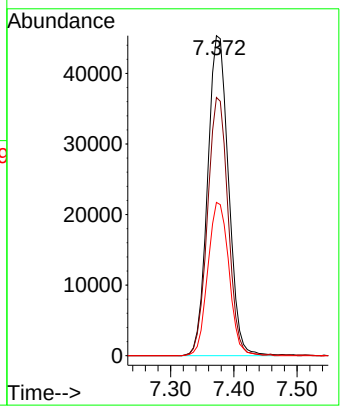


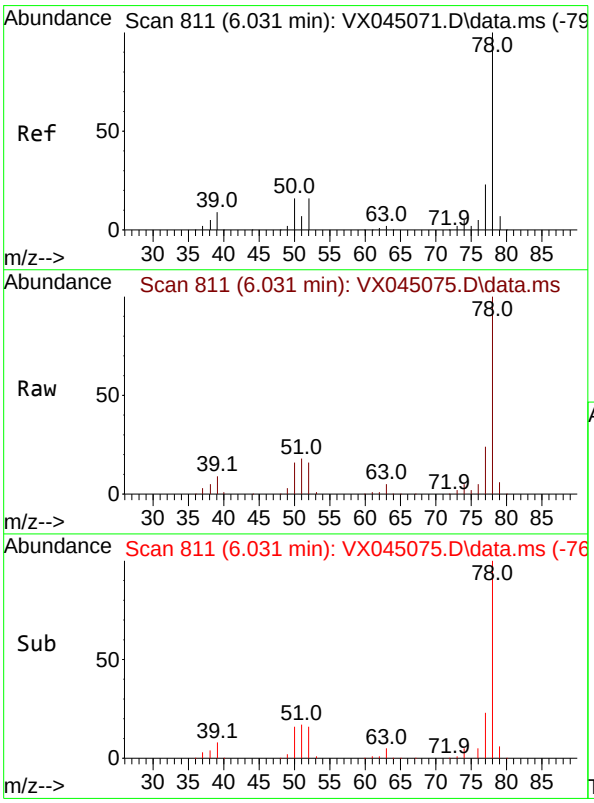
#39
Methylcyclohexane
Concen: 51.169 ug/l
RT: 7.372 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

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

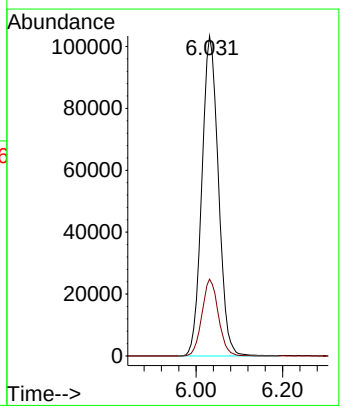


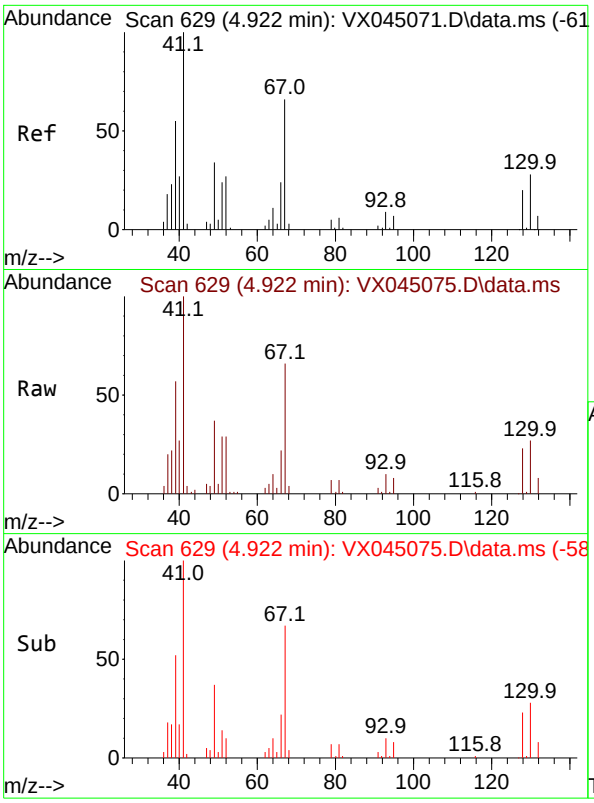


#40
Benzene
Concen: 51.195 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 78 Resp: 274206

Ion	Ratio	Lower	Upper
78	100		
77	24.0	18.8	28.2



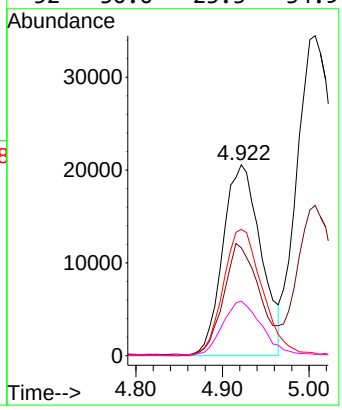


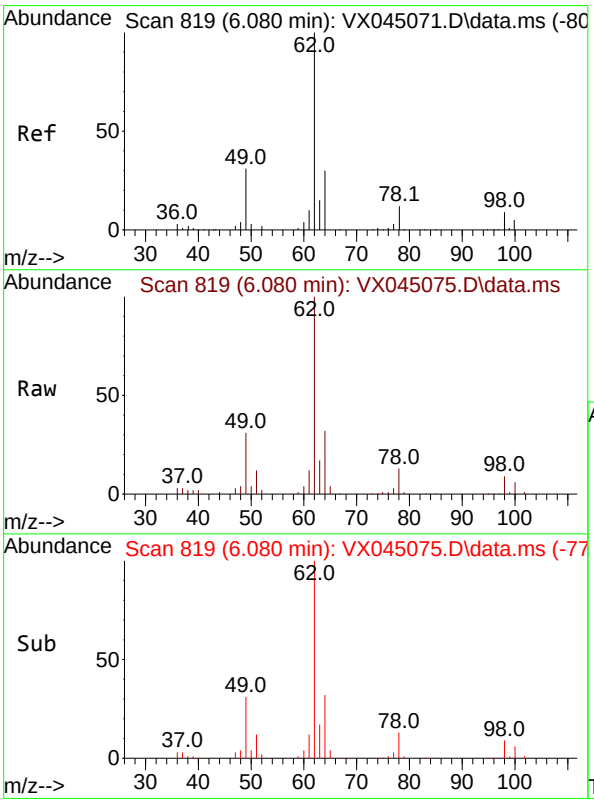
#41
Methacrylonitrile
Concen: 53.352 ug/l
RT: 4.922 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

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

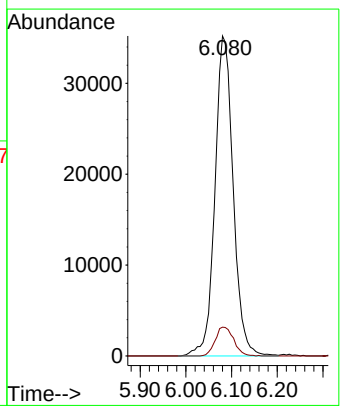


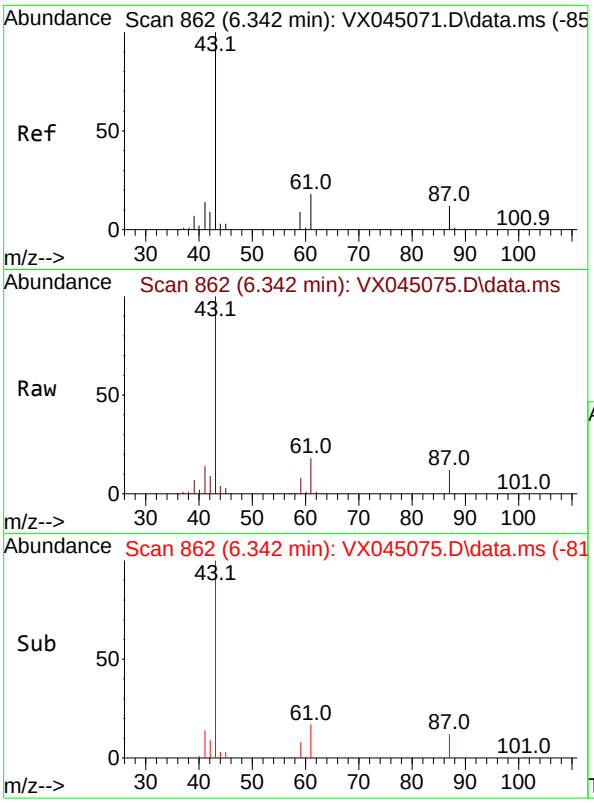


#42
1,2-Dichloroethane
Concen: 50.718 ug/l
RT: 6.080 min Scan# 819
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 62 Resp: 97821

Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	18.2



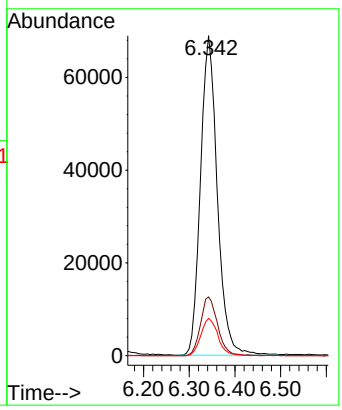


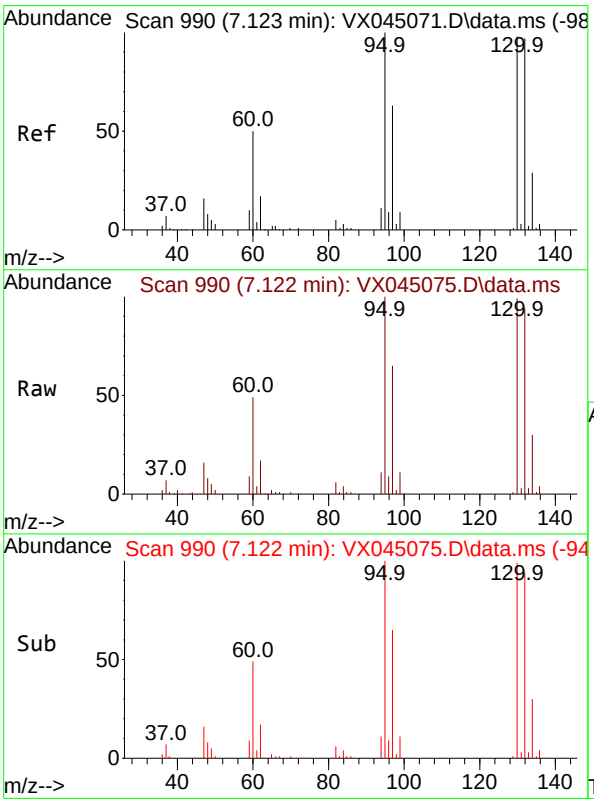
#43
Isopropyl Acetate
Concen: 54.452 ug/l
RT: 6.342 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

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

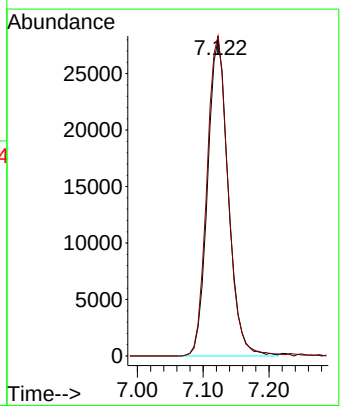


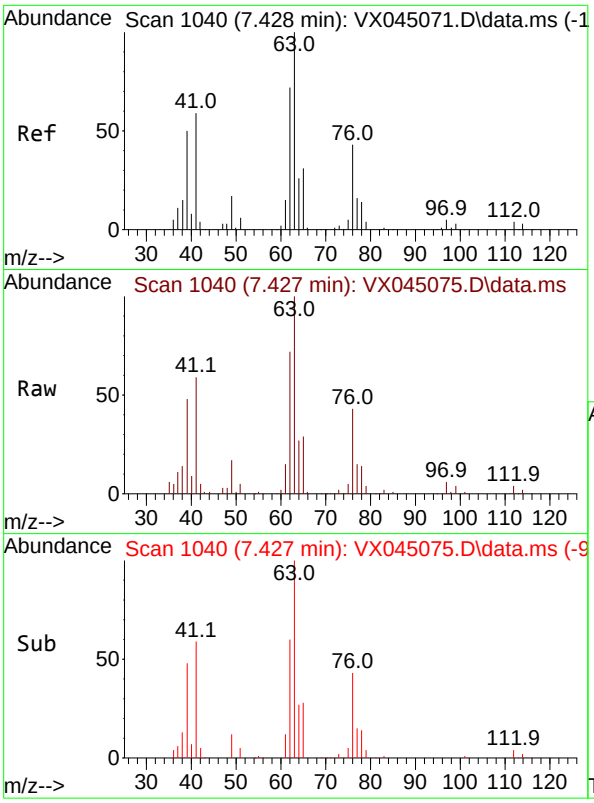


#44
Trichloroethene
Concen: 48.924 ug/l
RT: 7.122 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:130 Resp: 61530

Ion	Ratio	Lower	Upper
130	100		
95	101.1	0.0	205.0



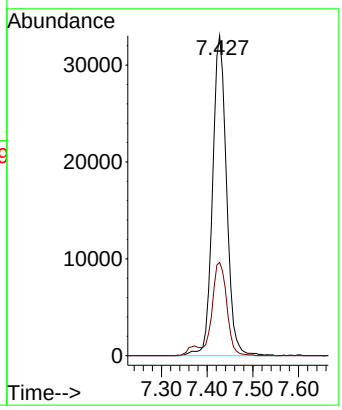


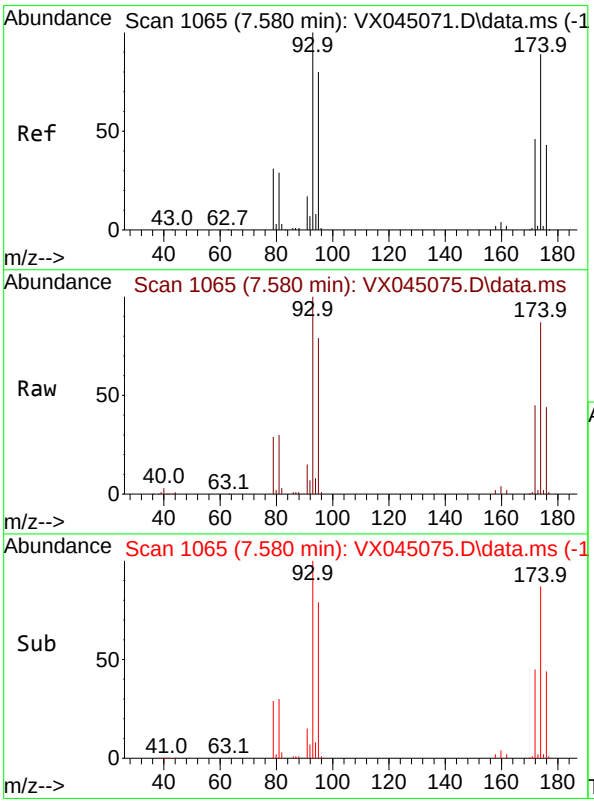
#45
1,2-Dichloropropane
Concen: 51.086 ug/l
RT: 7.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion: 63 Resp: 70350

Ion	Ratio	Lower	Upper
63	100		
65	29.2	24.7	37.1

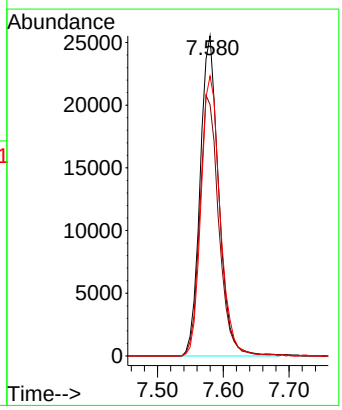


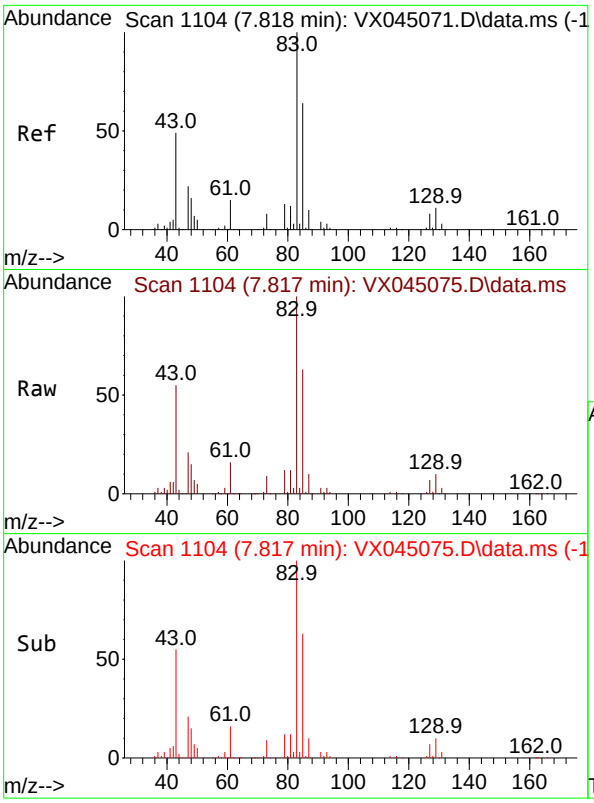


#46
Dibromomethane
Concen: 51.661 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

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



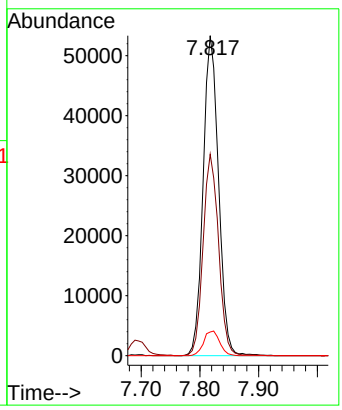


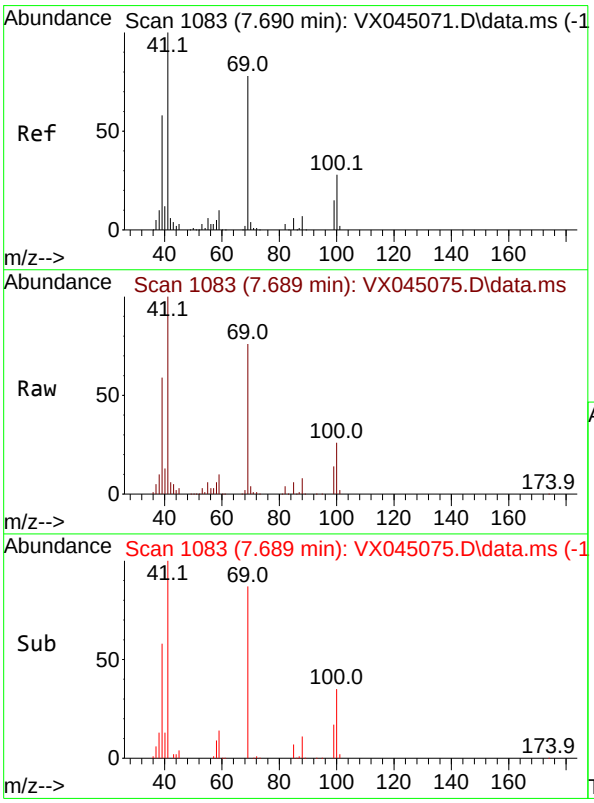
#47
Bromodichloromethane
Concen: 50.930 ug/l
RT: 7.817 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

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

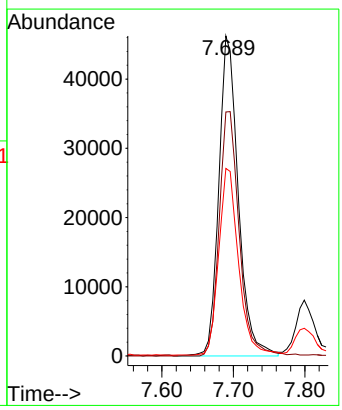


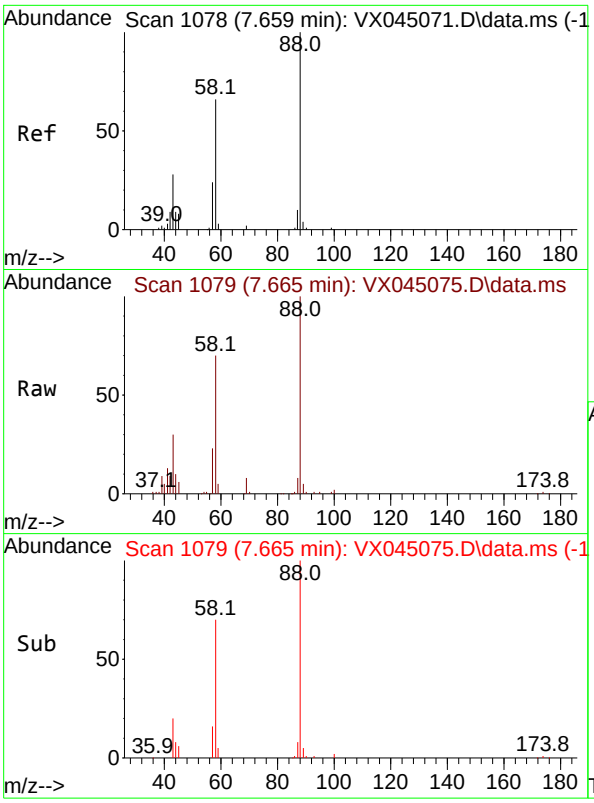


#48
Methyl methacrylate
Concen: 54.016 ug/l
RT: 7.689 min Scan# 1083
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

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



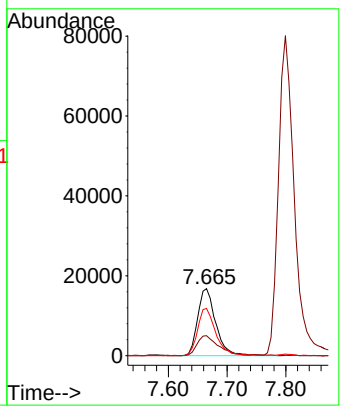


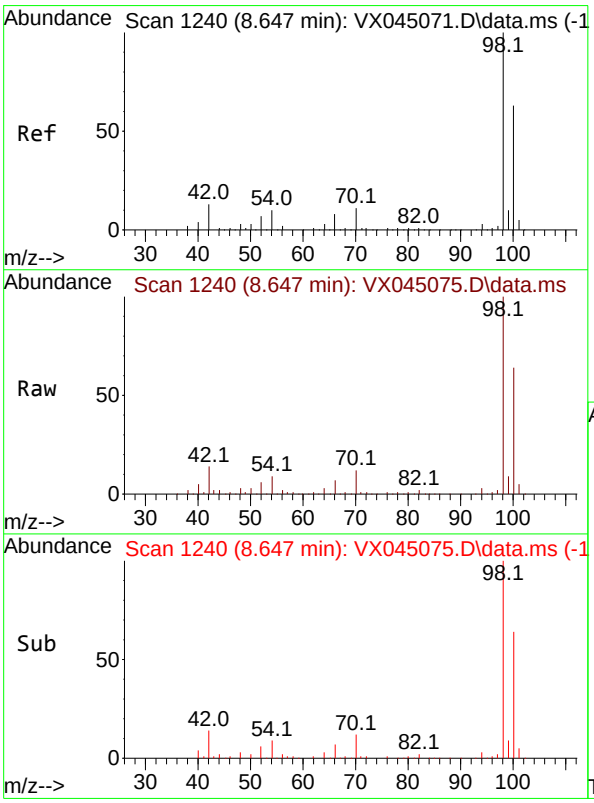
#49
1,4-Dioxane
Concen: 1049.007 ug/l
RT: 7.665 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

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

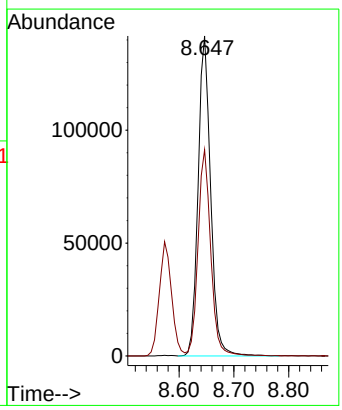


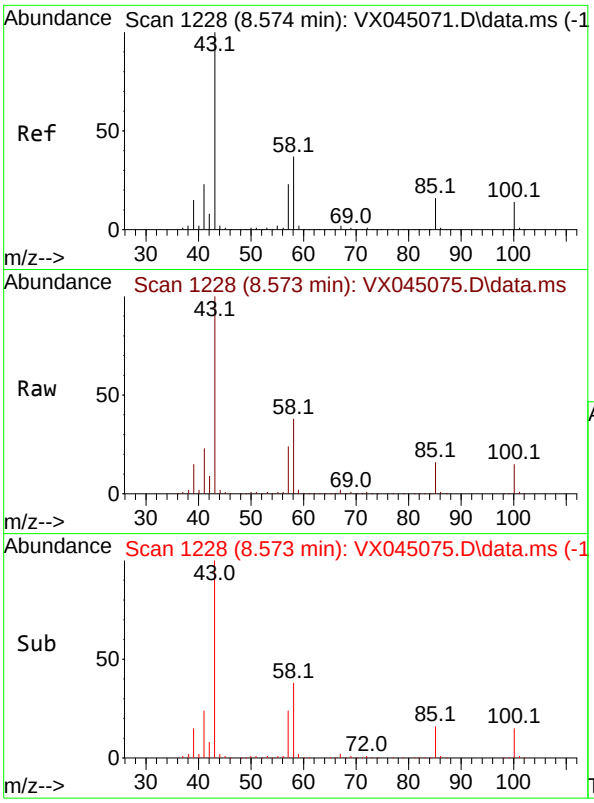


#50
Toluene-d8
Concen: 50.364 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 98 Resp: 225823

Ion	Ratio	Lower	Upper
98	100		
100	65.6	52.0	78.0



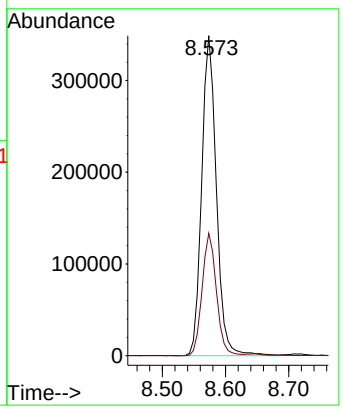


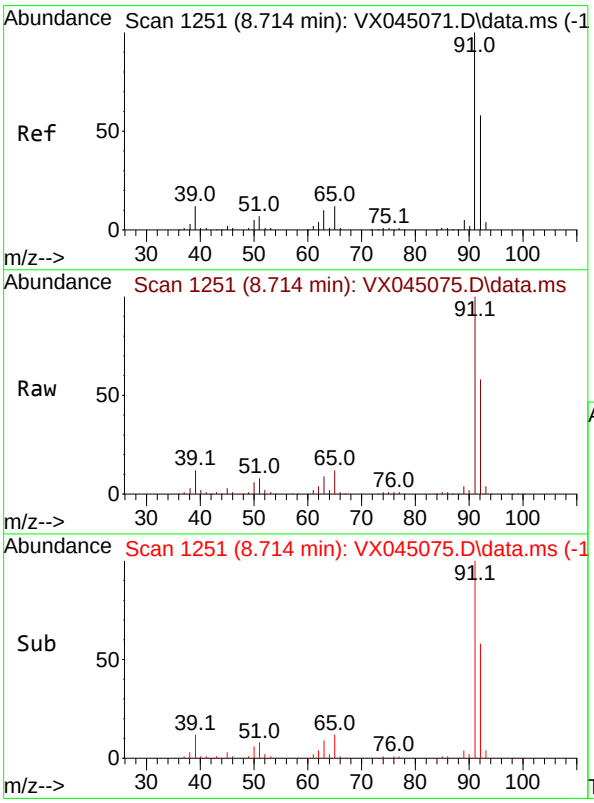
#51
4-Methyl-2-Pentanone
Concen: 259.995 ug/l
RT: 8.573 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion: 43 Resp: 564197

Ion	Ratio	Lower	Upper
43	100		
58	37.3	29.2	43.8

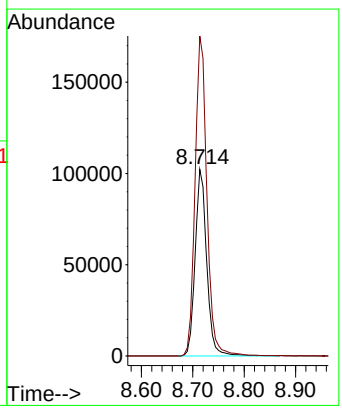


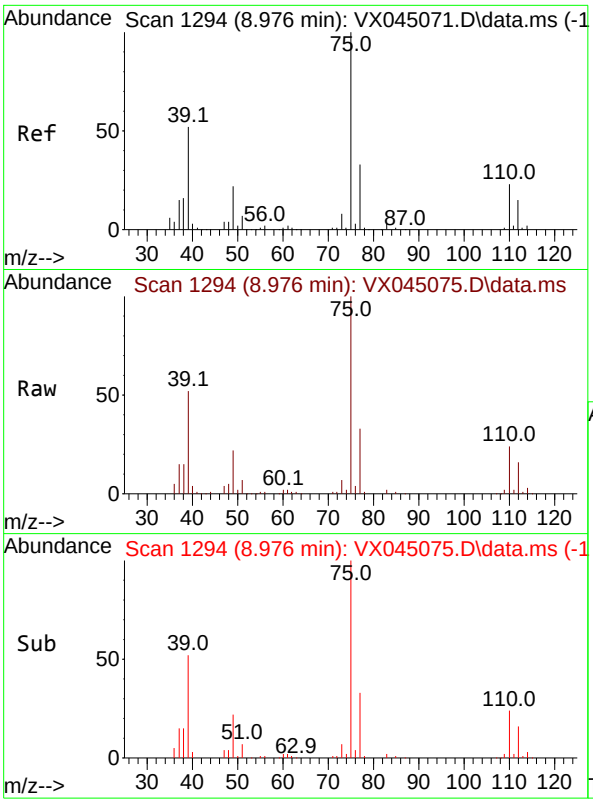


#52
Toluene
Concen: 51.020 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 92 Resp: 160331

Ion	Ratio	Lower	Upper
92	100		
91	175.1	138.9	208.3



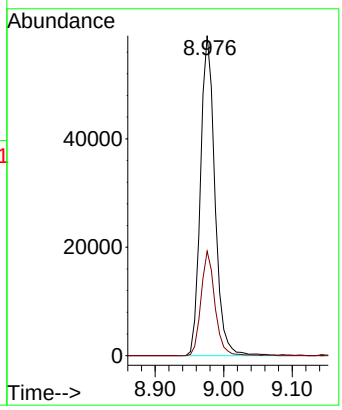


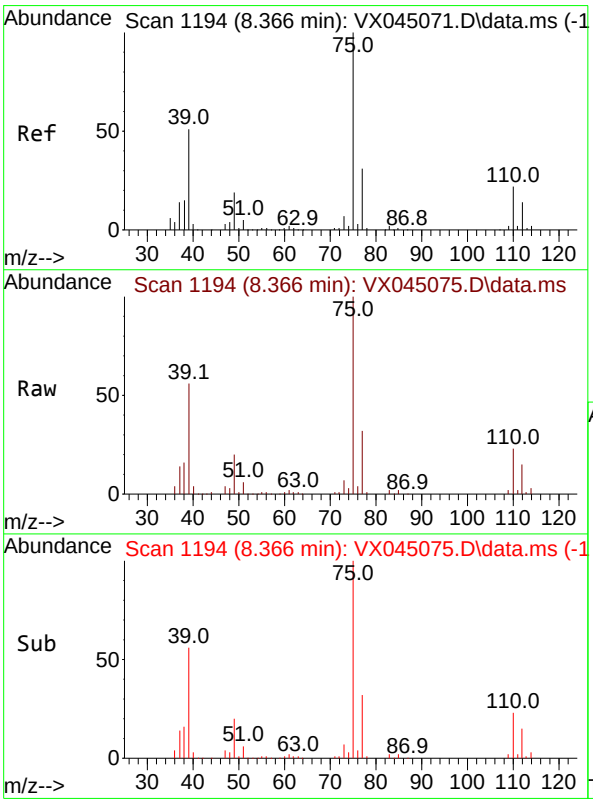
#53
t-1,3-Dichloropropene
Concen: 54.247 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion: 75 Resp: 86584

Ion	Ratio	Lower	Upper
75	100		
77	32.7	26.5	39.7

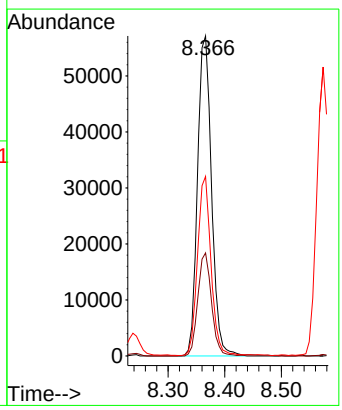


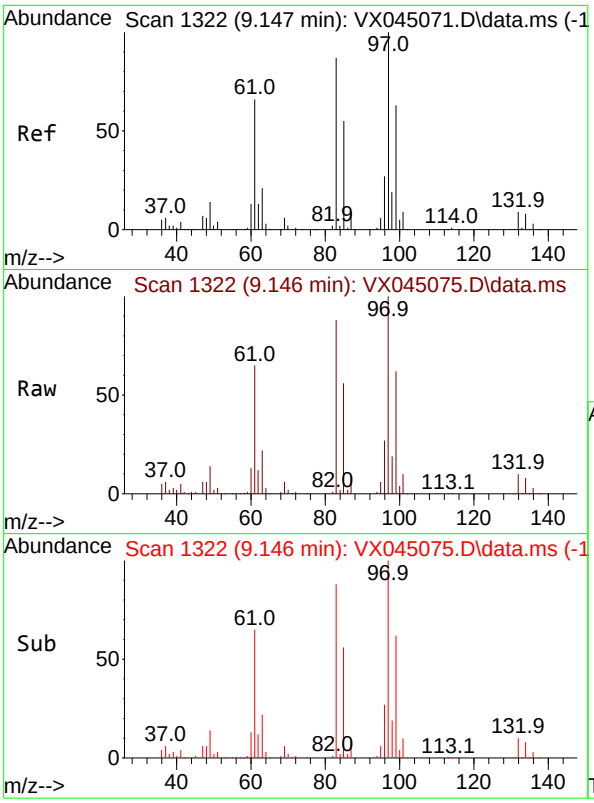


#54
cis-1,3-Dichloropropene
Concen: 52.732 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

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



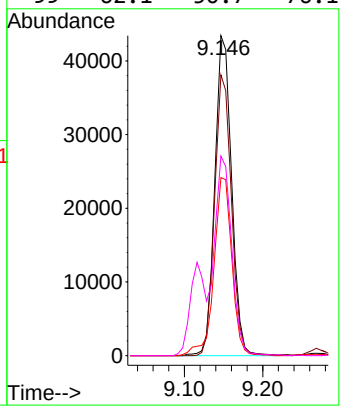


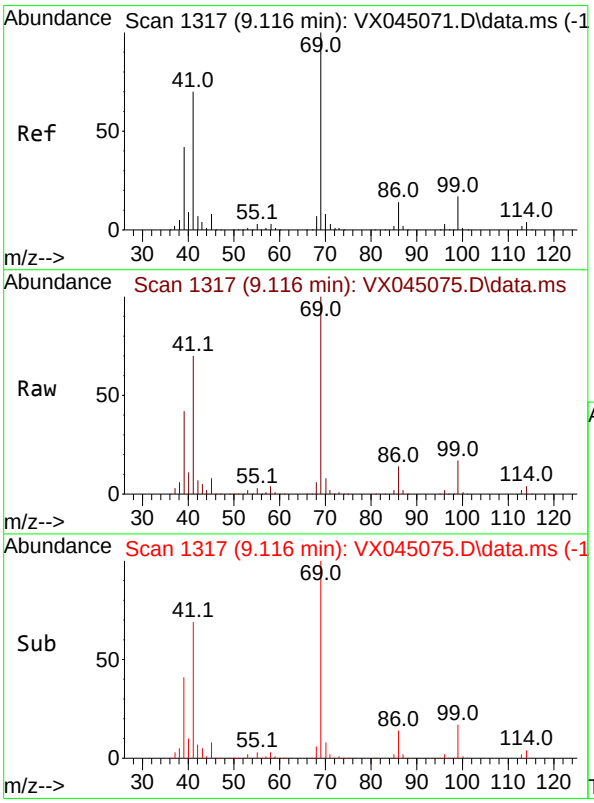
#55
1,1,2-Trichloroethane
Concen: 50.232 ug/l
RT: 9.146 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

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

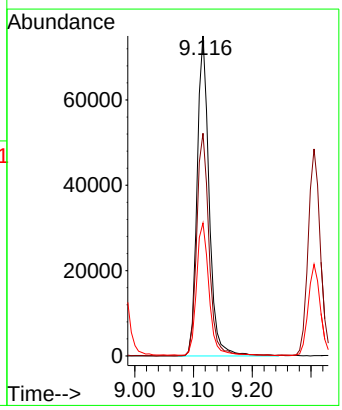


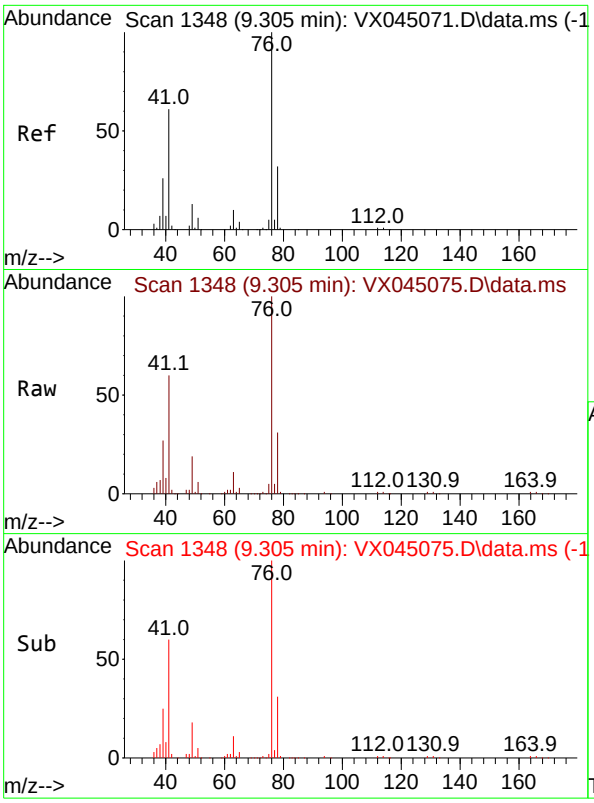


#56
Ethyl methacrylate
Concen: 54.109 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

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



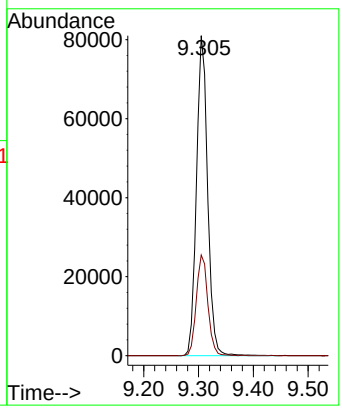


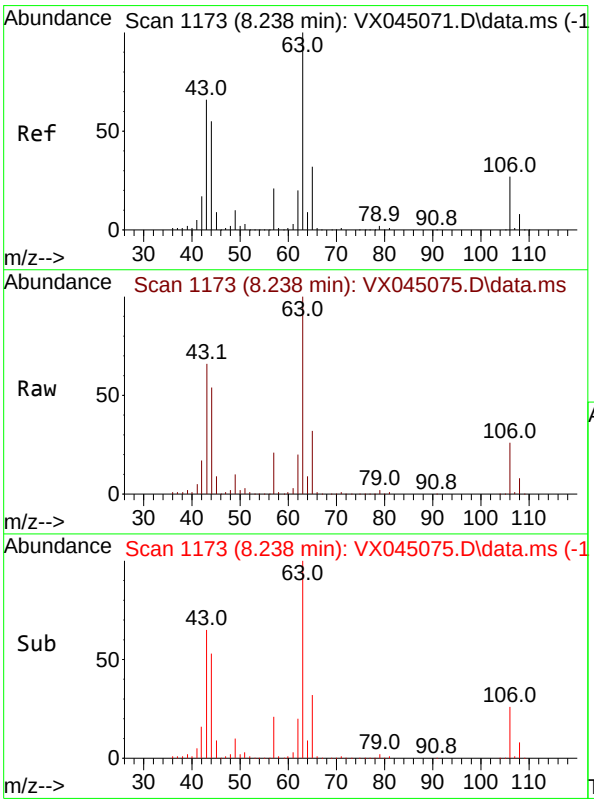
#57
1,3-Dichloropropane
Concen: 51.312 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion: 76 Resp: 114880

Ion	Ratio	Lower	Upper
76	100		
78	32.5	25.5	38.3

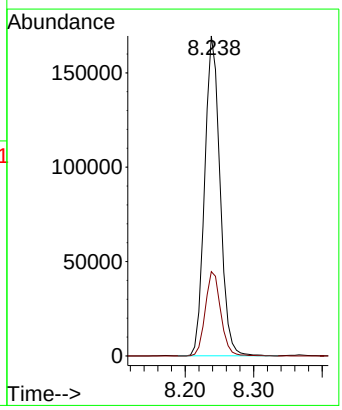


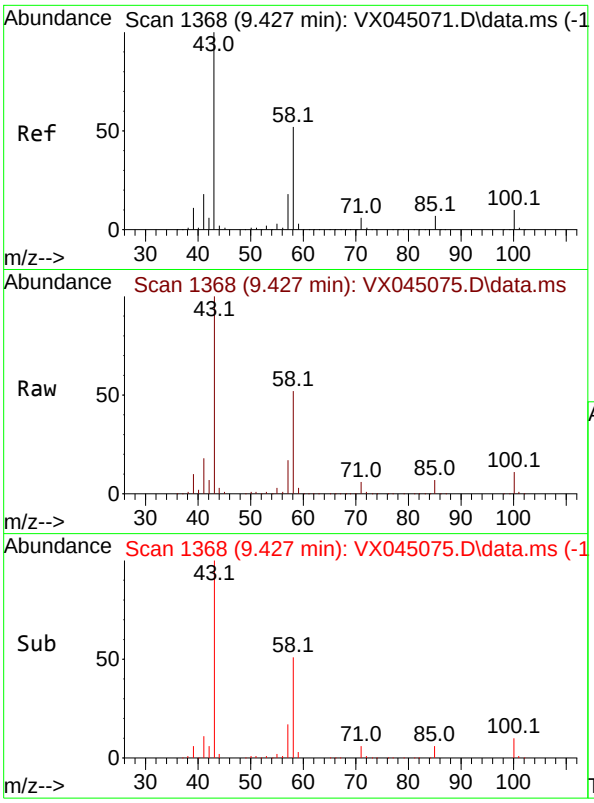


#58
2-Chloroethyl Vinyl ether
Concen: 275.557 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 63 Resp: 264335

Ion	Ratio	Lower	Upper
63	100		
106	26.5	21.5	32.3



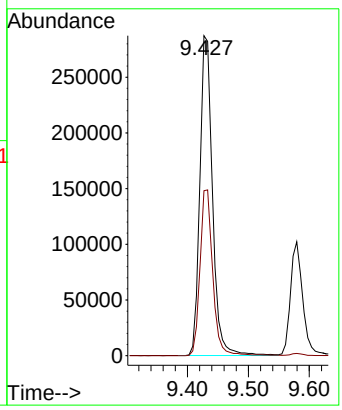


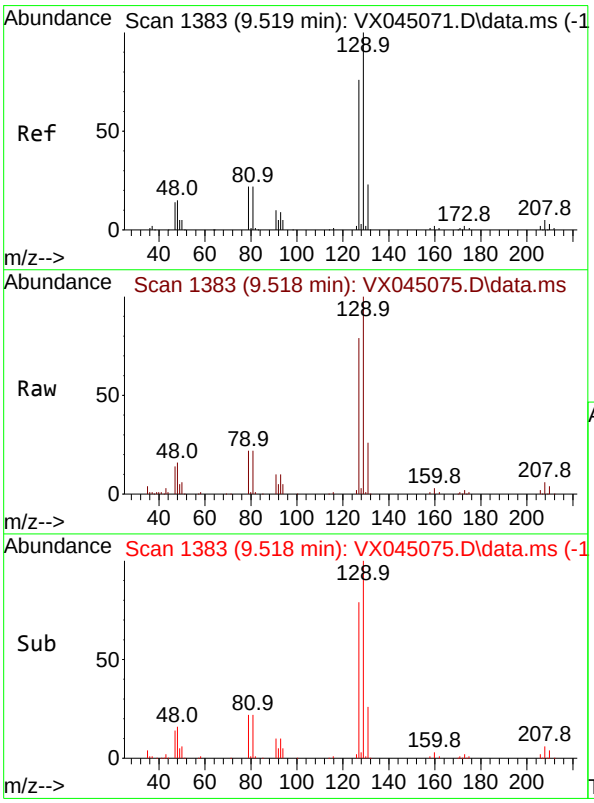
#59
2-Hexanone
Concen: 265.049 ug/l
RT: 9.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion: 43 Resp: 416731

Ion	Ratio	Lower	Upper
43	100		
58	52.2	25.9	77.6

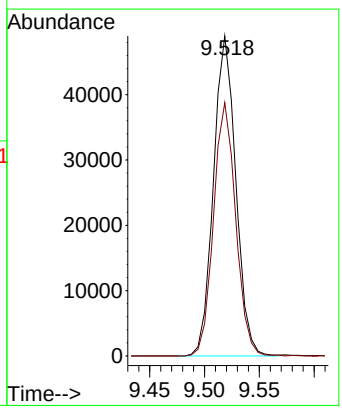


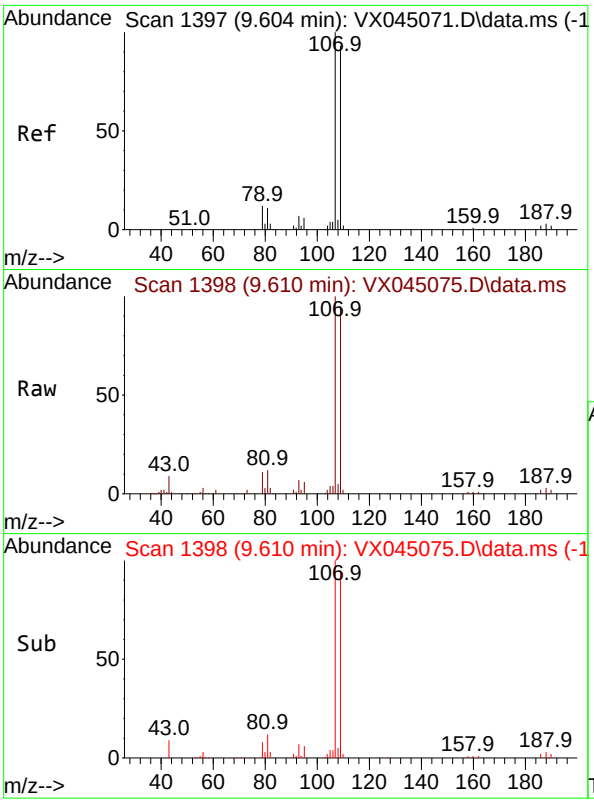


#60
Dibromochloromethane
Concen: 51.374 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:129 Resp: 69492

Ion	Ratio	Lower	Upper
129	100		
127	78.6	38.5	115.5



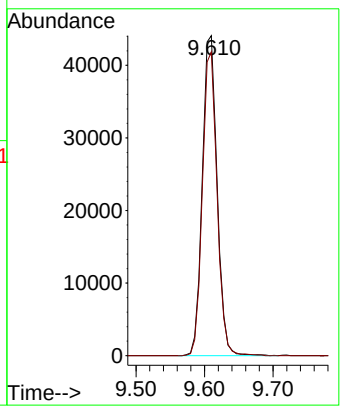


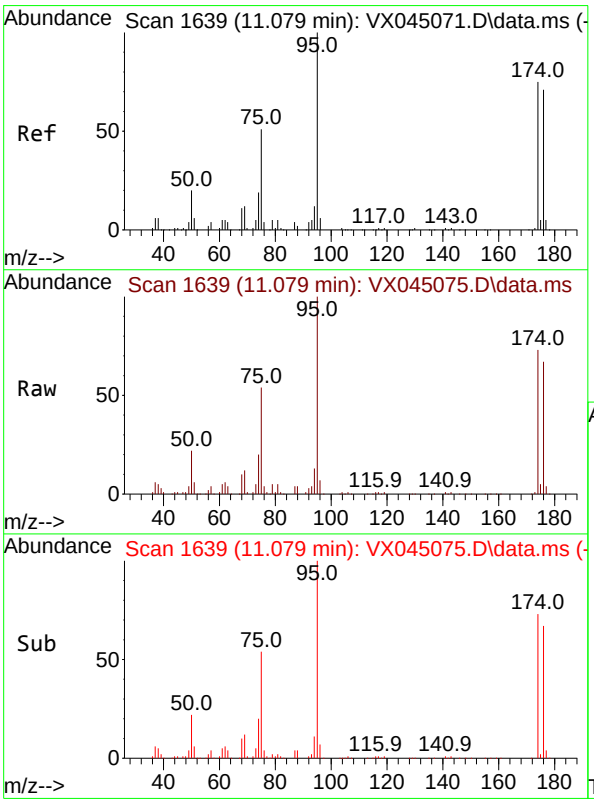
#61
1,2-Dibromoethane
Concen: 51.492 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion:107 Resp: 66501

Ion	Ratio	Lower	Upper
107	100		
109	93.8	76.1	114.1

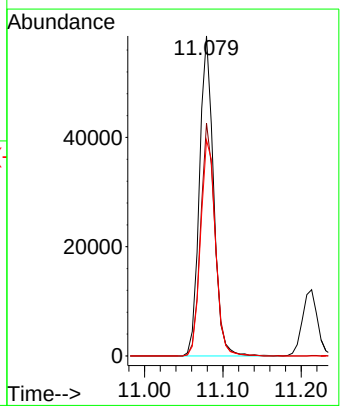


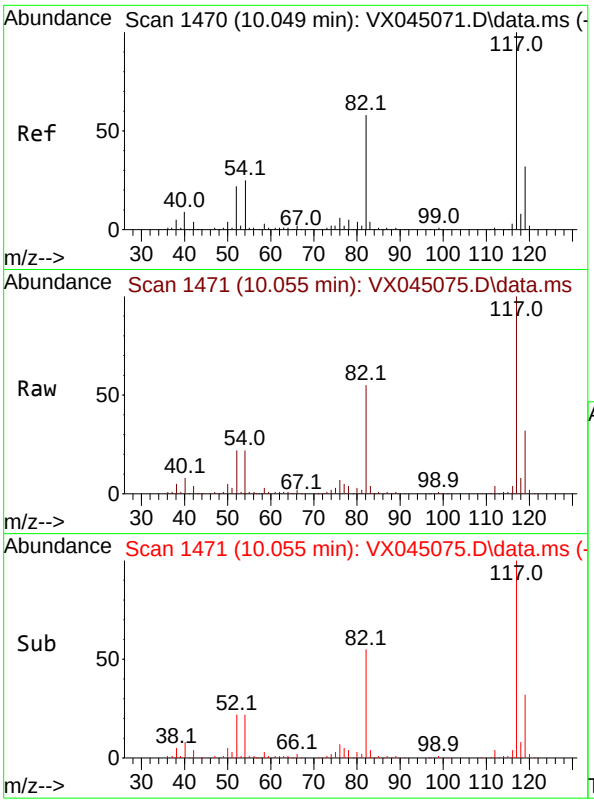


#62
4-Bromofluorobenzene
Concen: 49.240 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

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



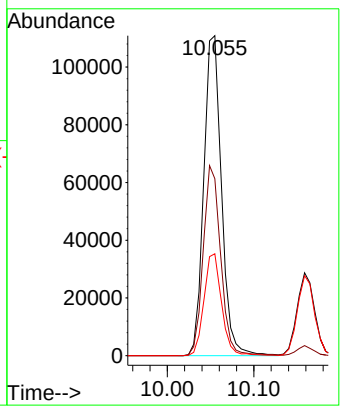


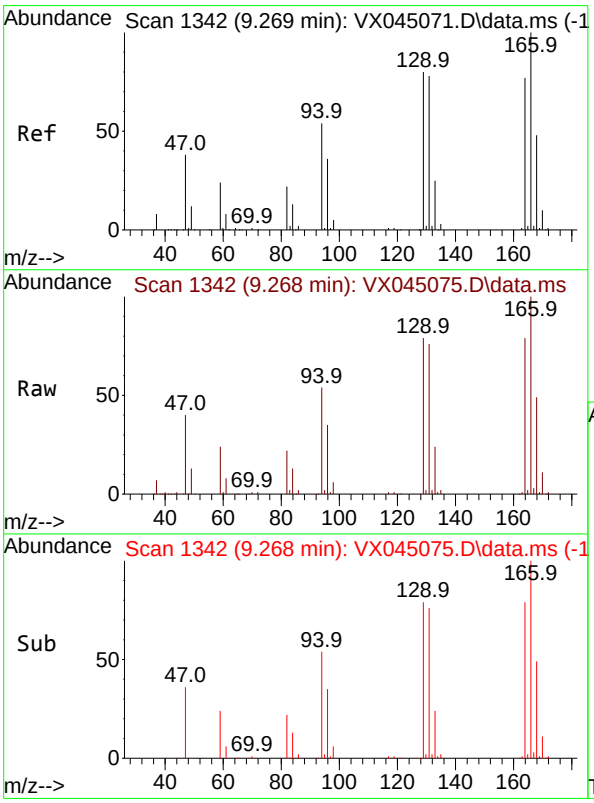
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

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

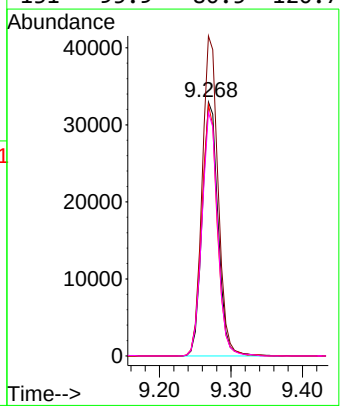


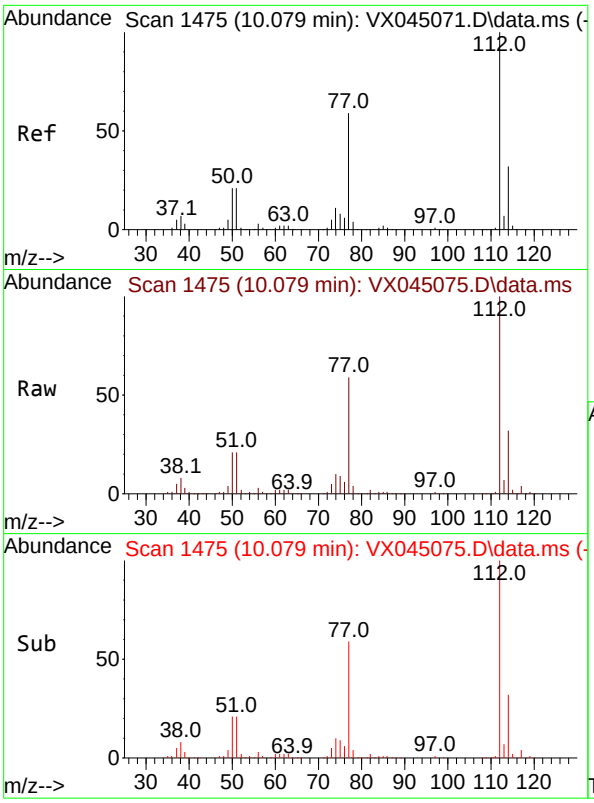


#64
Tetrachloroethene
Concen: 50.126 ug/l
RT: 9.268 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

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



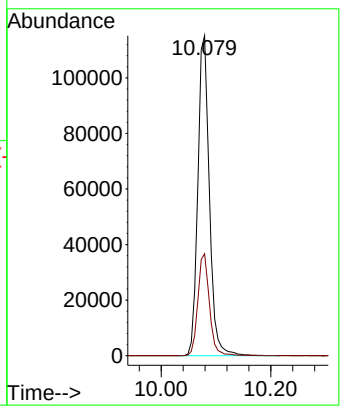


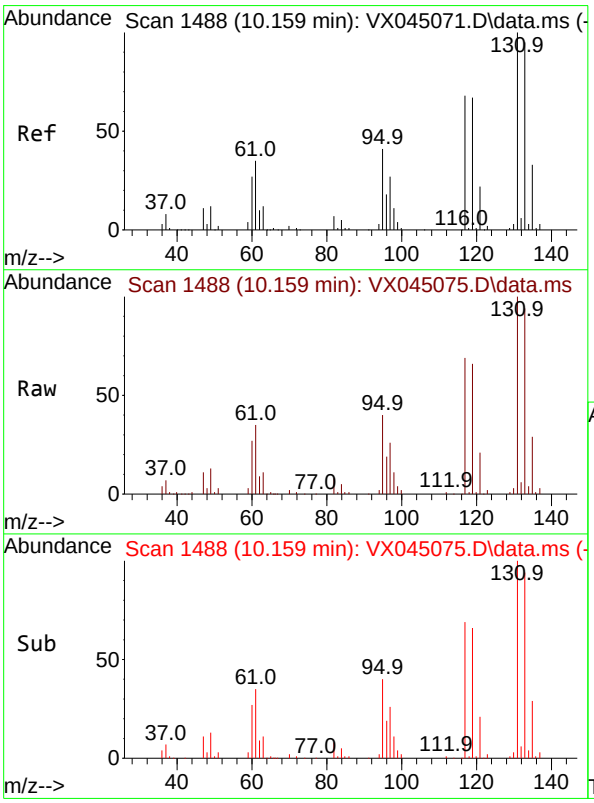
#65
Chlorobenzene
Concen: 50.580 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion:112 Resp: 168885

Ion	Ratio	Lower	Upper
112	100		
114	31.9	26.0	39.0

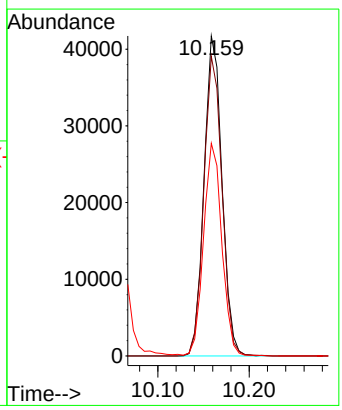


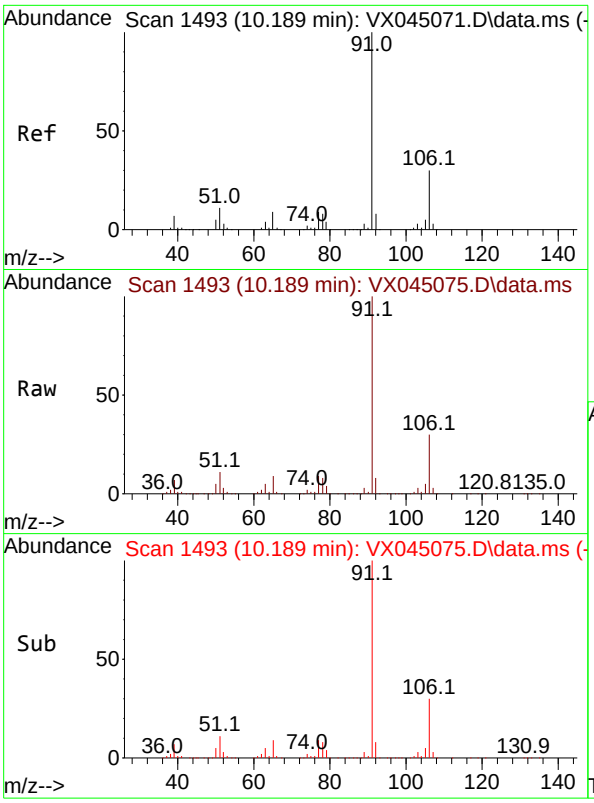


#66
1,1,1,2-Tetrachloroethane
Concen: 51.102 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

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



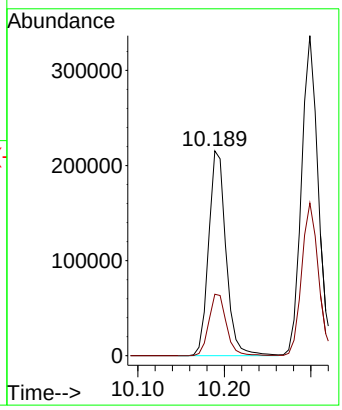


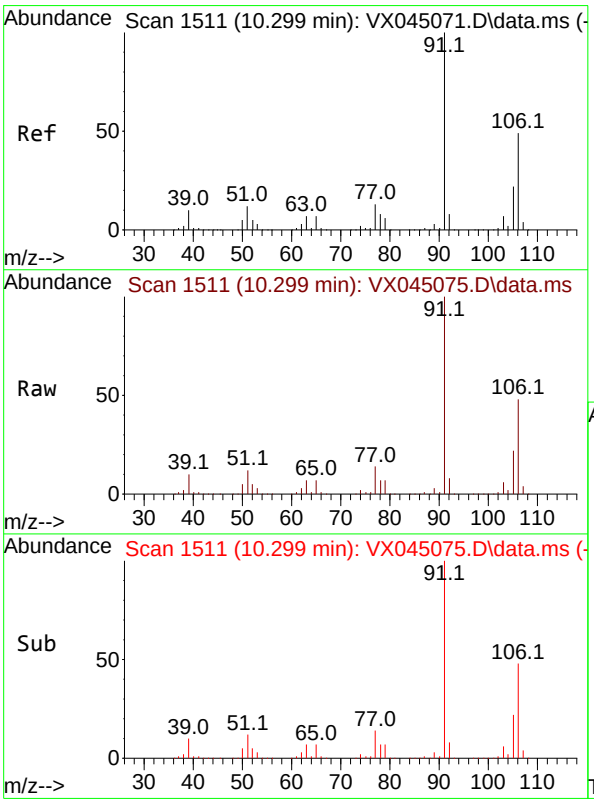
#67
Ethyl Benzene
Concen: 51.621 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion: 91 Resp: 300324

Ion	Ratio	Lower	Upper
91	100		
106	30.0	23.9	35.9

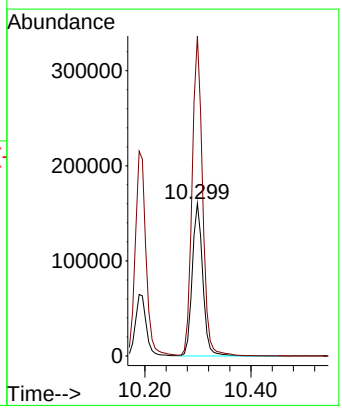


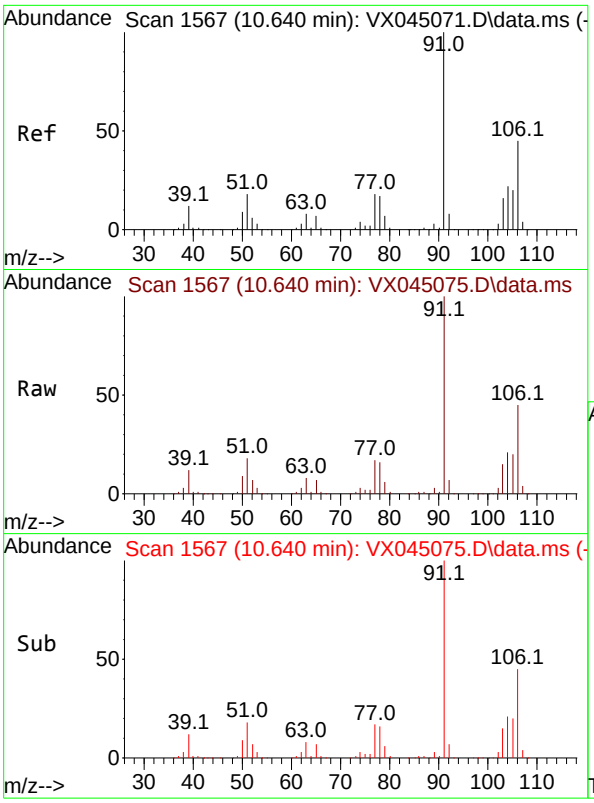


#68
m/p-Xylenes
Concen: 103.454 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:106 Resp: 220335

Ion	Ratio	Lower	Upper
106	100		
91	207.8	165.4	248.0



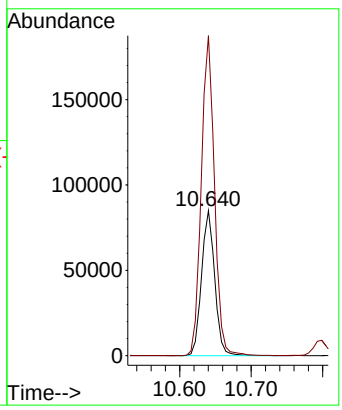


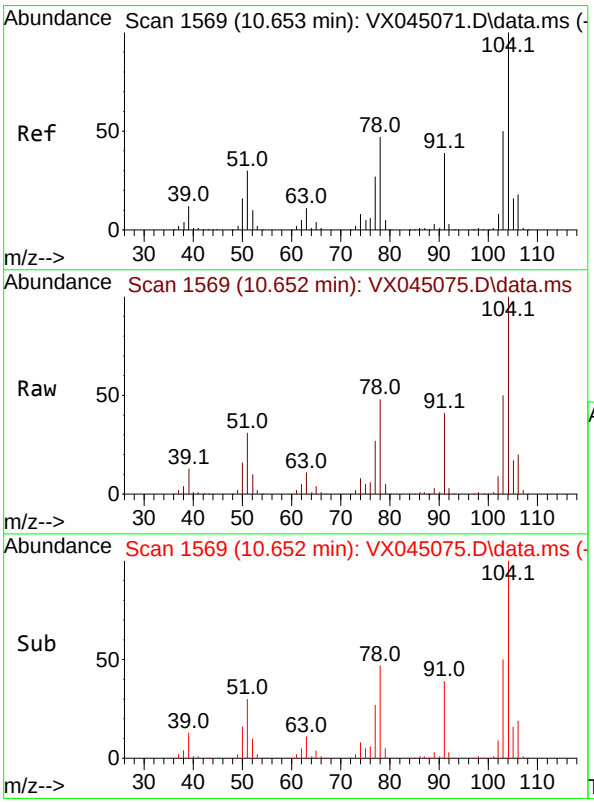
#69
o-Xylene
Concen: 50.668 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion:106 Resp: 108836

Ion	Ratio	Lower	Upper
106	100		
91	220.5	109.9	329.6

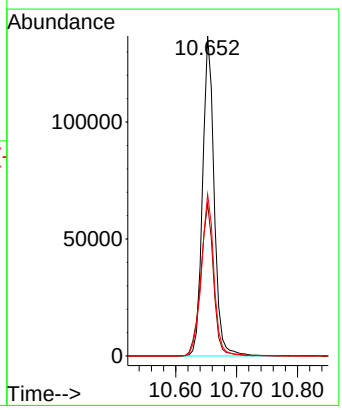


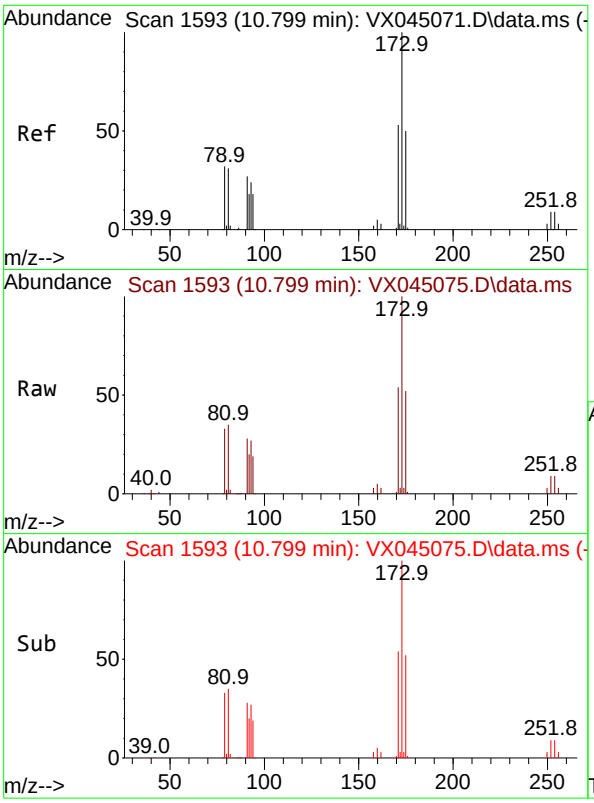


#70
Styrene
Concen: 52.177 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

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



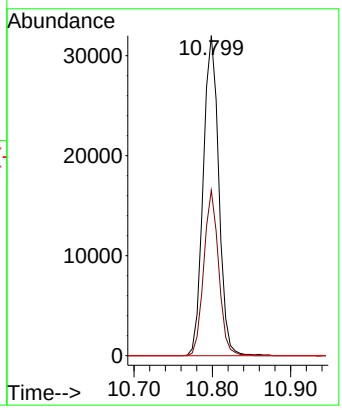


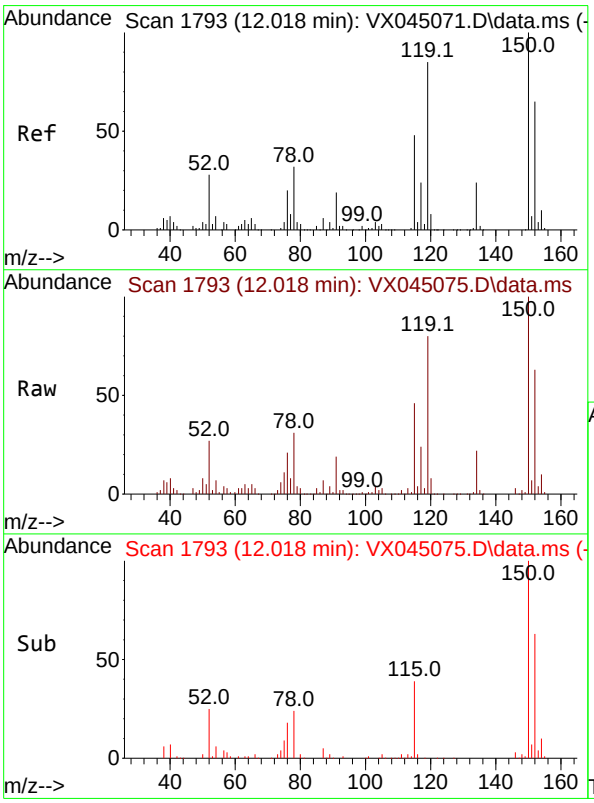
#71
Bromoform
Concen: 52.636 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

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

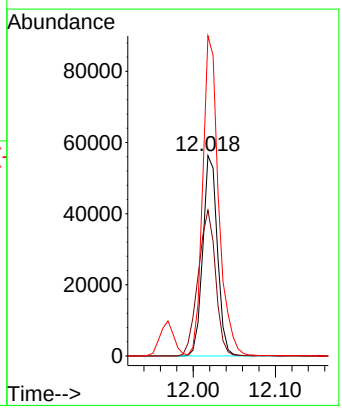


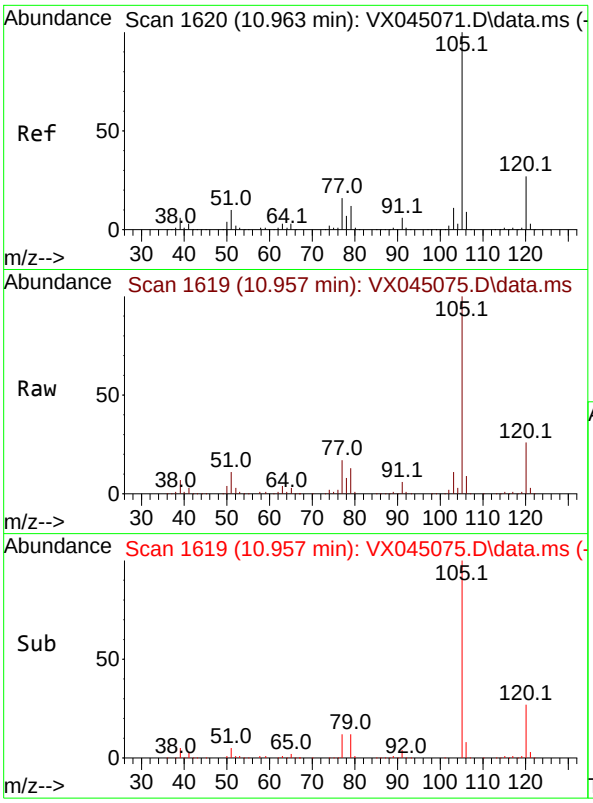


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

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



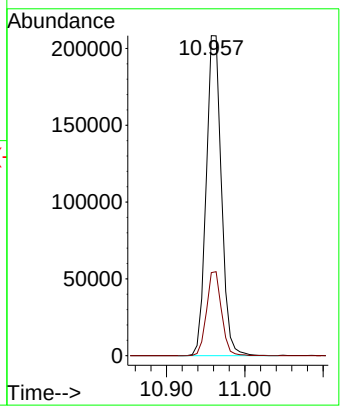


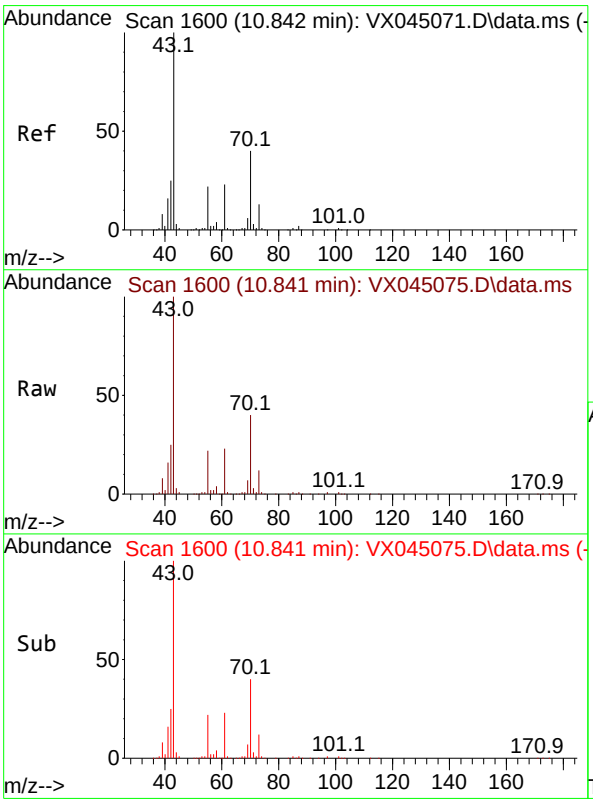
#73
Isopropylbenzene
Concen: 51.589 ug/l
RT: 10.957 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion:105 Resp: 279278

Ion	Ratio	Lower	Upper
105	100		
120	25.9	13.2	39.5

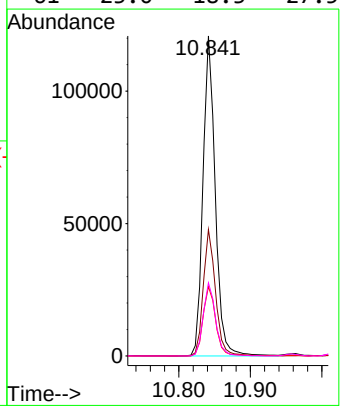


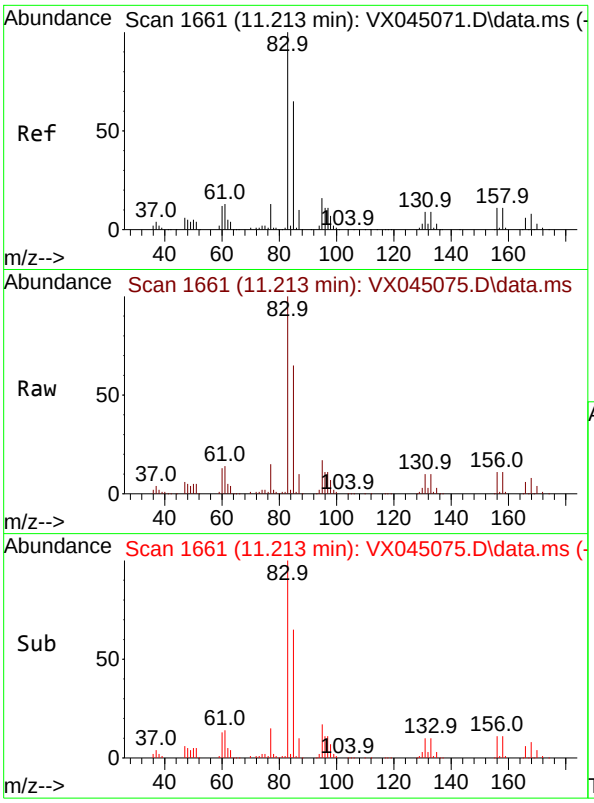


#74
N-amyl acetate
Concen: 56.851 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

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



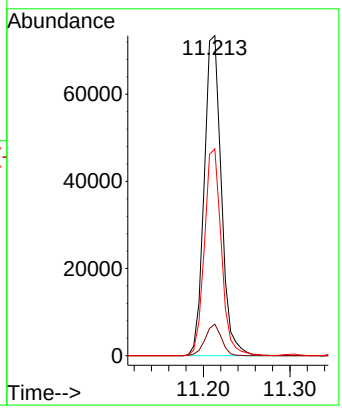


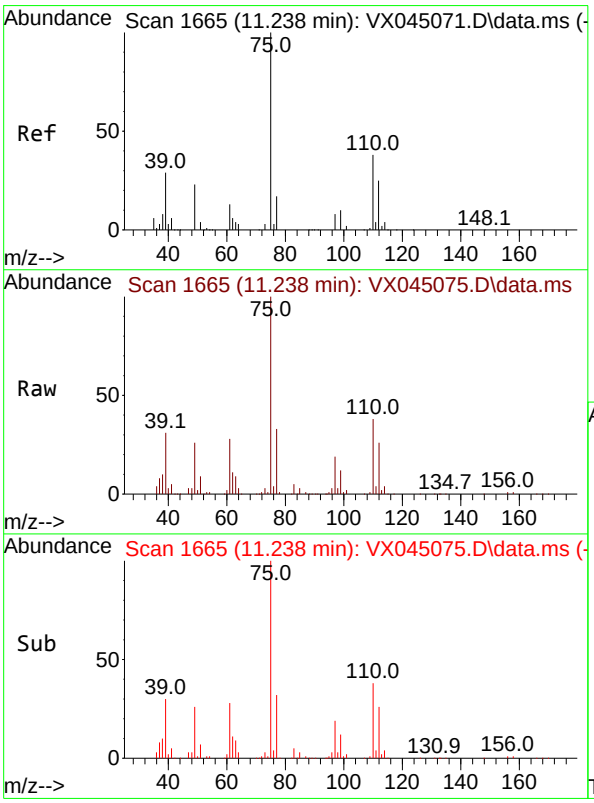
#75
1,1,2,2-Tetrachloroethane
Concen: 50.741 ug/l
RT: 11.213 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

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

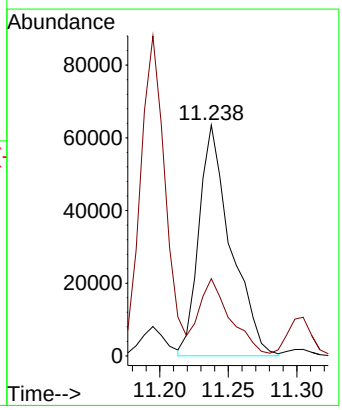


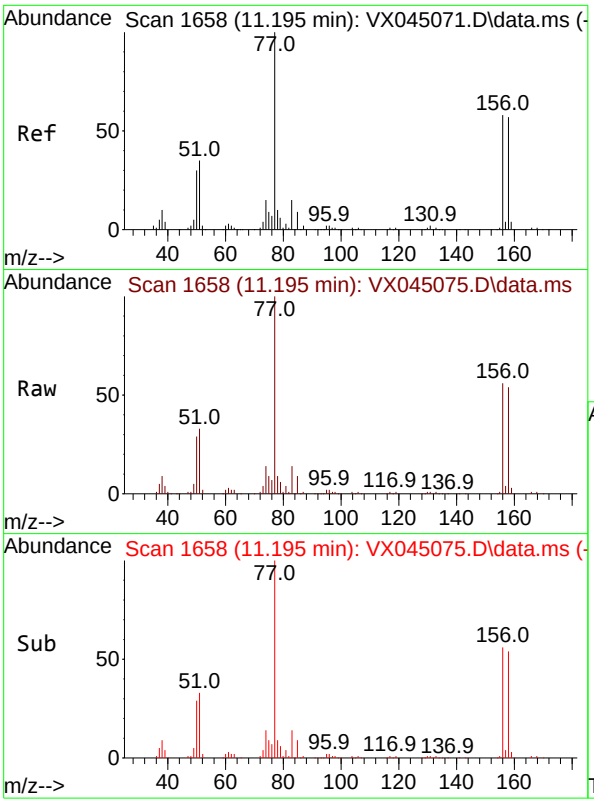


#76
1,2,3-Trichloropropane
Concen: 63.694 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 75 Resp: 102821

Ion	Ratio	Lower	Upper
75	100		
77	33.3	20.7	62.1



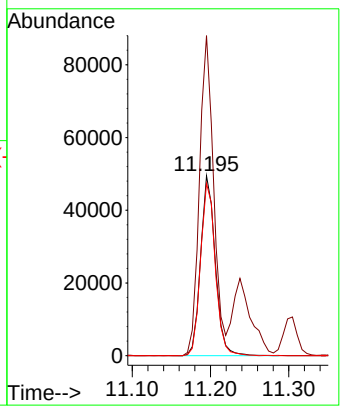


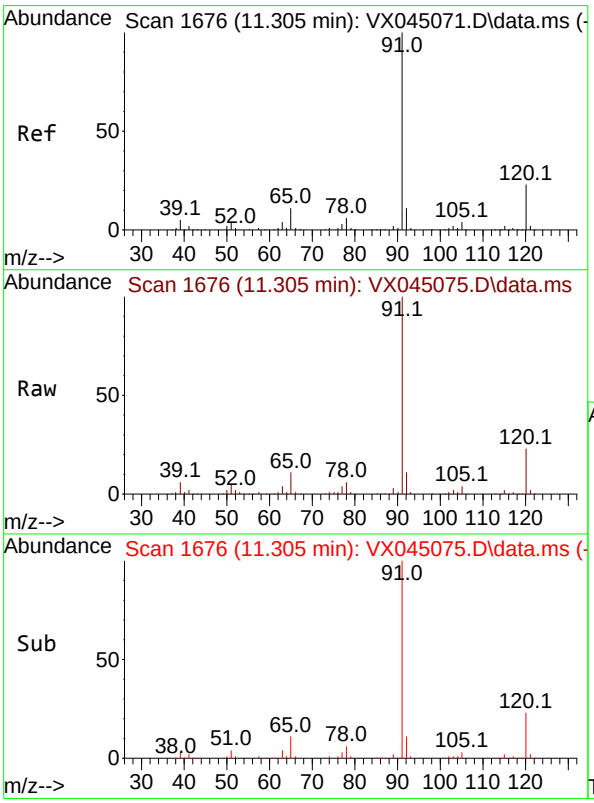
#77
Bromobenzene
Concen: 50.360 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

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

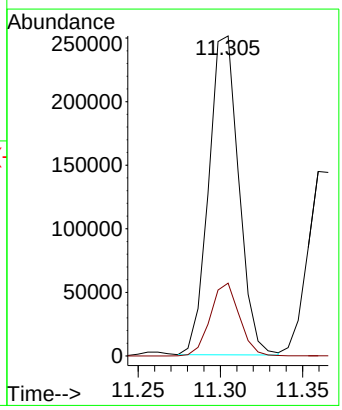


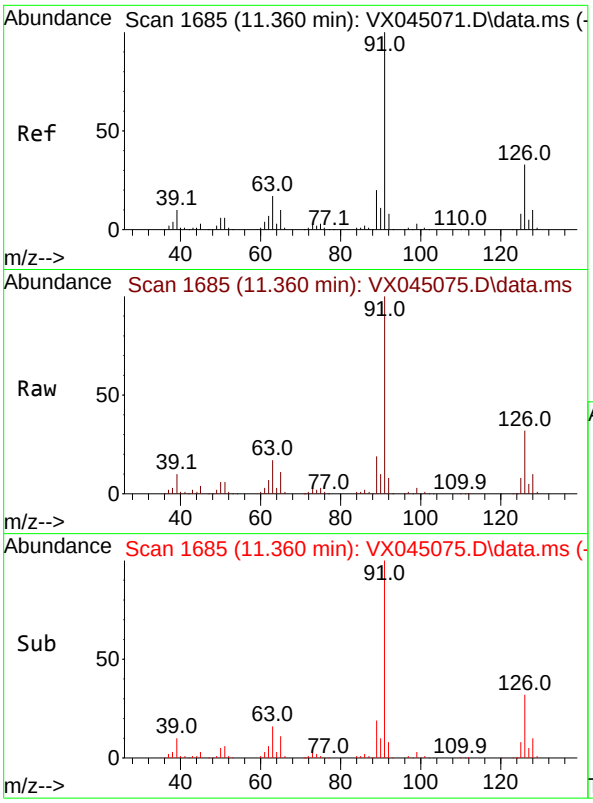


#78
n-propylbenzene
Concen: 52.203 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 91 Resp: 319235

Ion	Ratio	Lower	Upper
91	100		
120	22.2	11.2	33.6



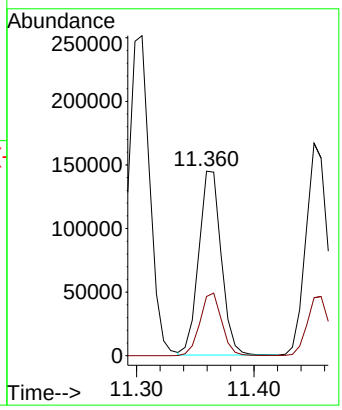


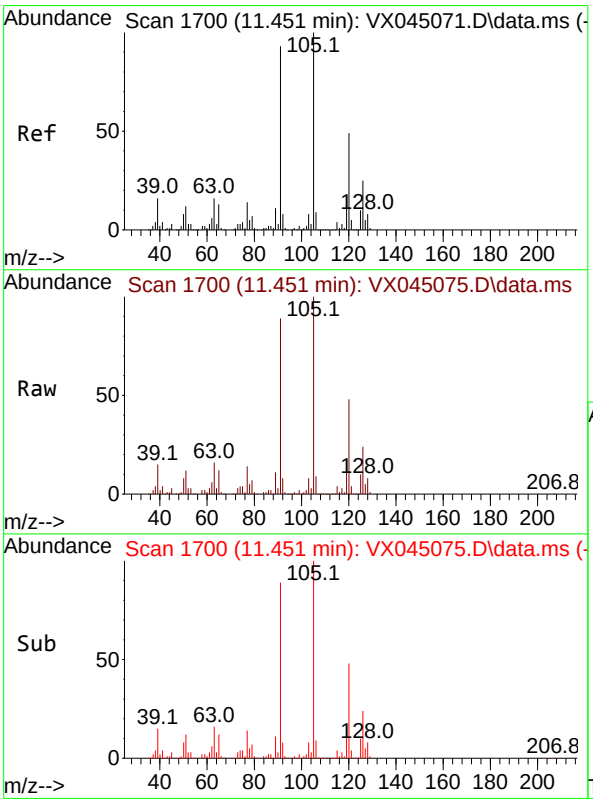
#79
2-Chlorotoluene
Concen: 49.338 ug/l
RT: 11.360 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion: 91 Resp: 192150

Ion	Ratio	Lower	Upper
91	100		
126	33.1	16.4	49.4

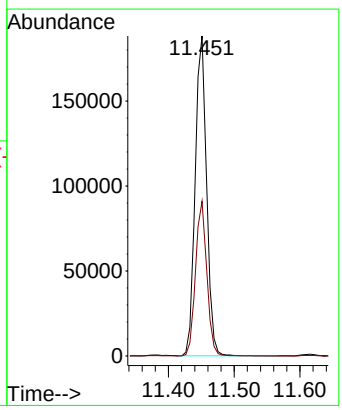


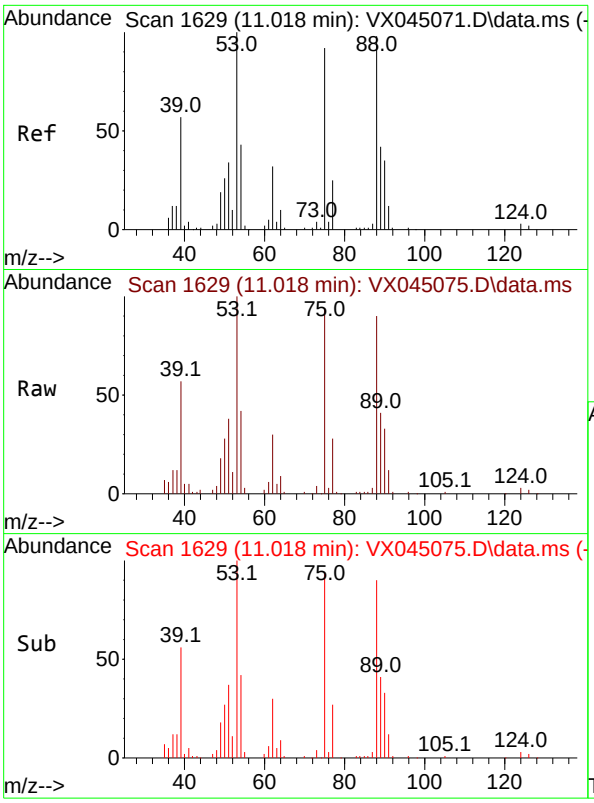


#80
1,3,5-Trimethylbenzene
Concen: 51.544 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:105 Resp: 225622

Ion	Ratio	Lower	Upper
105	100		
120	48.0	24.1	72.2



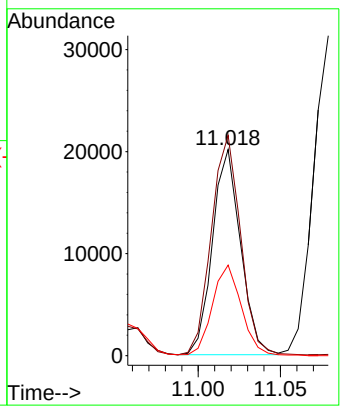


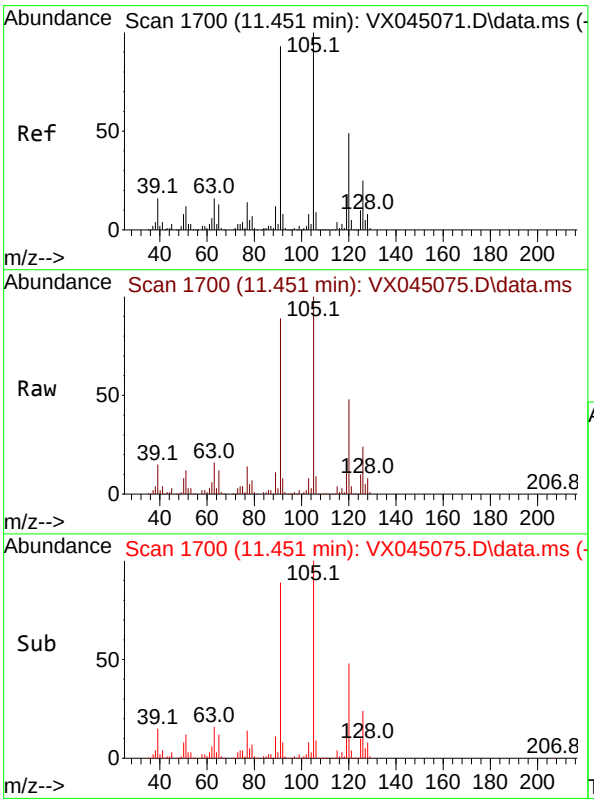
#81
trans-1,4-Dichloro-2-butene
Concen: 50.757 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

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

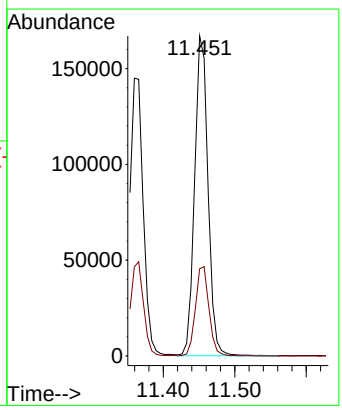


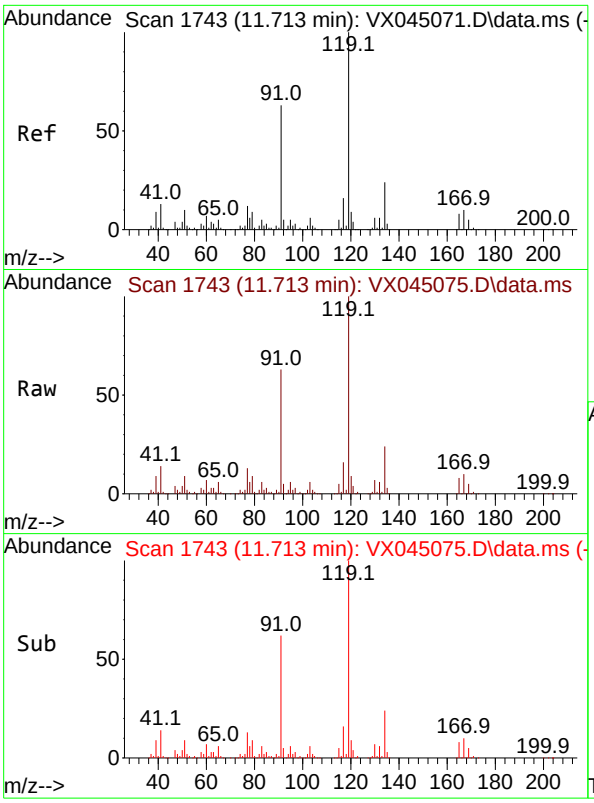


#82
4-Chlorotoluene
Concen: 51.009 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 91 Resp: 216511

Ion	Ratio	Lower	Upper
91	100		
126	28.3	14.1	42.4



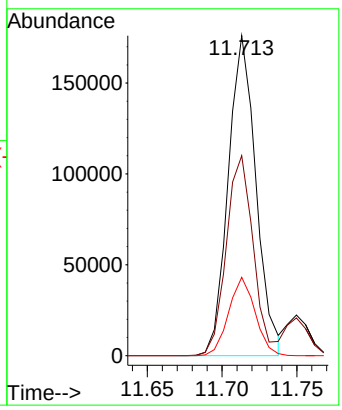


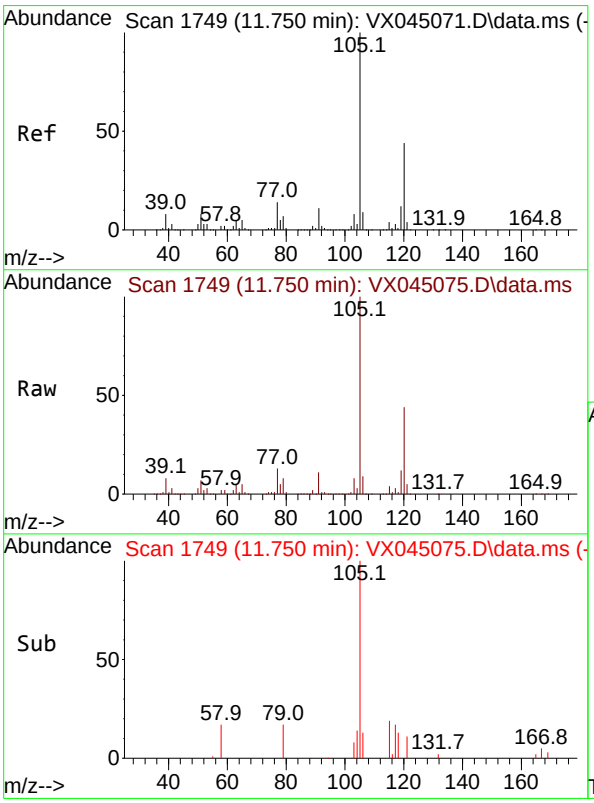
#83
tert-Butylbenzene
Concen: 50.552 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

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

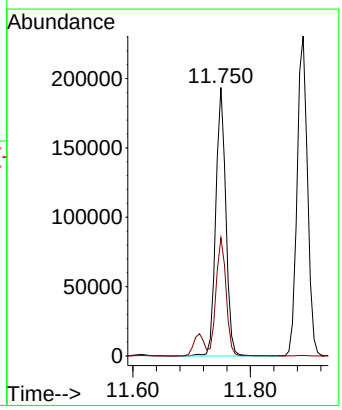


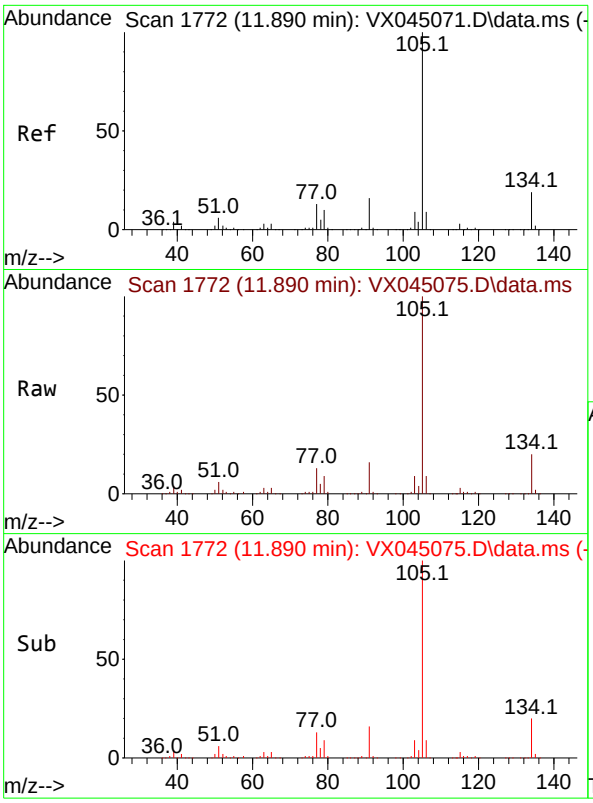


#84
1,2,4-Trimethylbenzene
Concen: 51.932 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:105 Resp: 228729

Ion	Ratio	Lower	Upper
105	100		
120	44.3	22.1	66.1



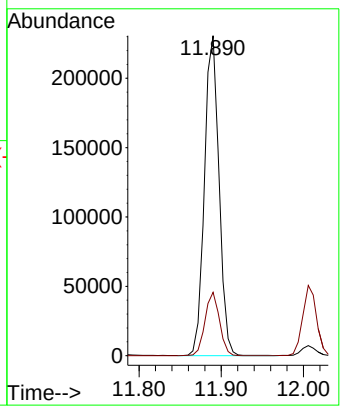


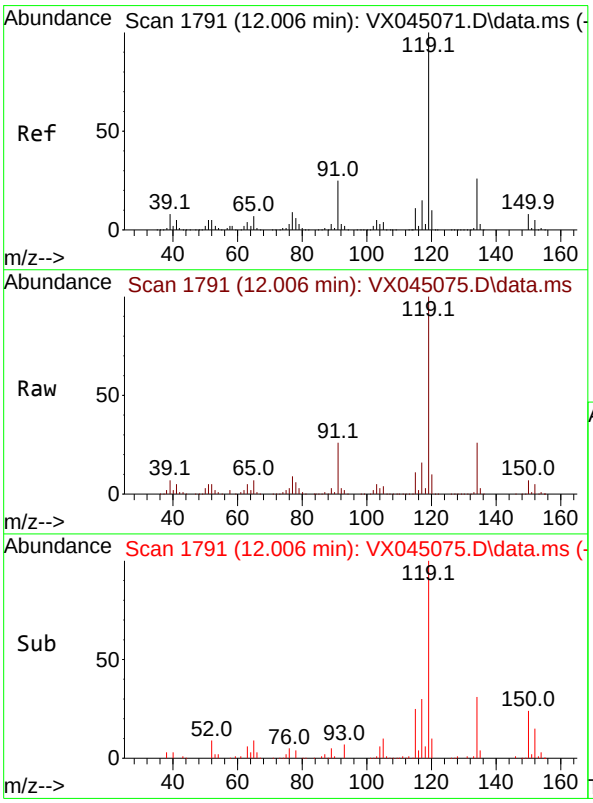
#85
sec-Butylbenzene
Concen: 52.703 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion:105 Resp: 283931

Ion	Ratio	Lower	Upper
105	100		
134	19.6	9.8	29.4

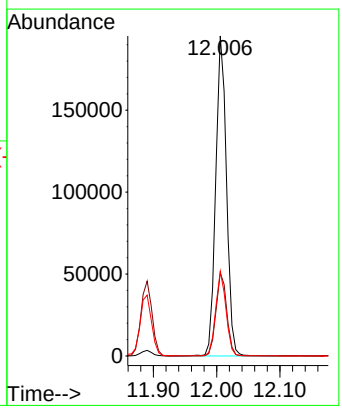


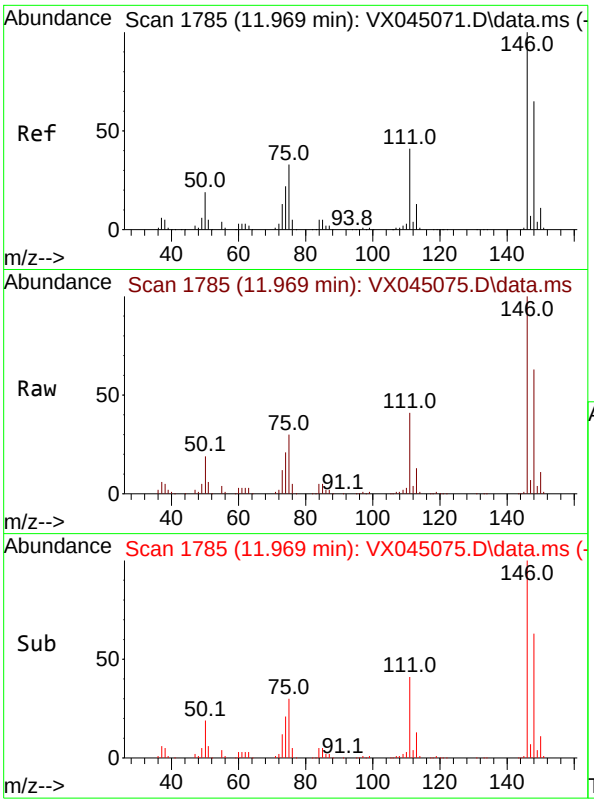


#86
p-Isopropyltoluene
Concen: 52.803 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

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



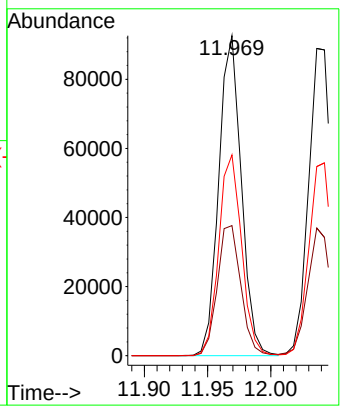


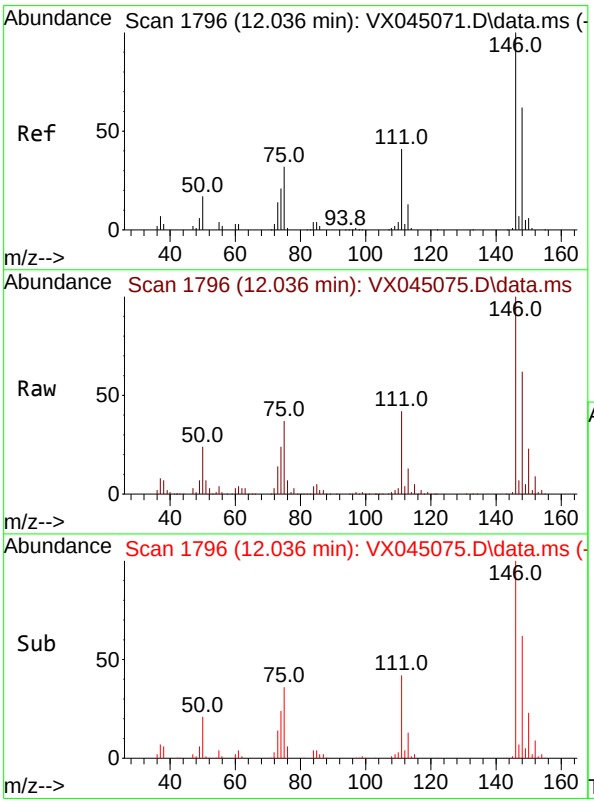
#87
1,3-Dichlorobenzene
Concen: 50.372 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

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

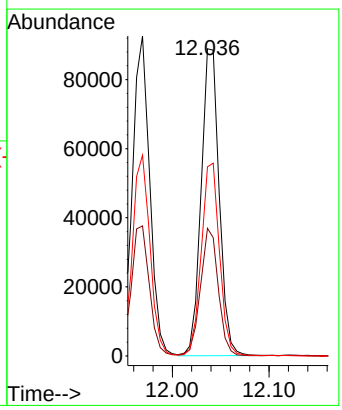


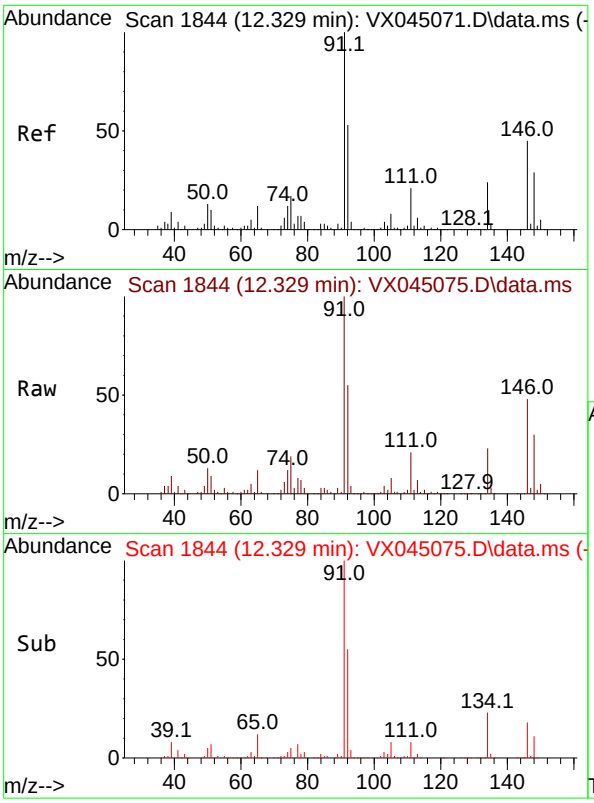


#88
1,4-Dichlorobenzene
Concen: 50.097 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

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



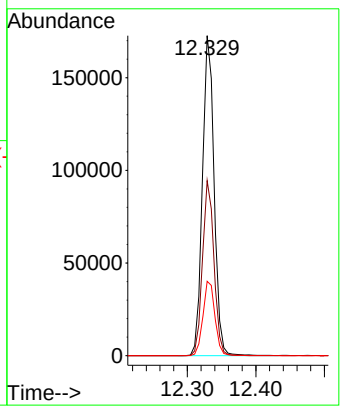


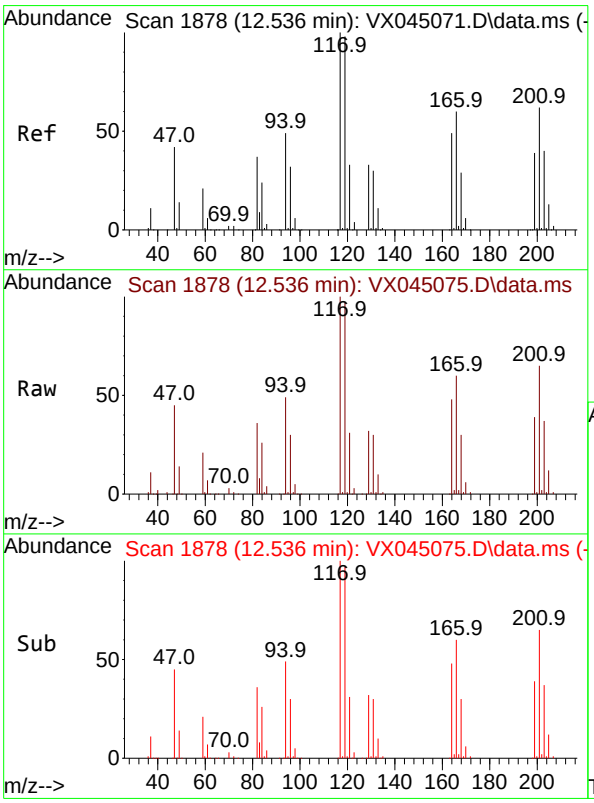
#89
n-Butylbenzene
Concen: 54.662 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

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

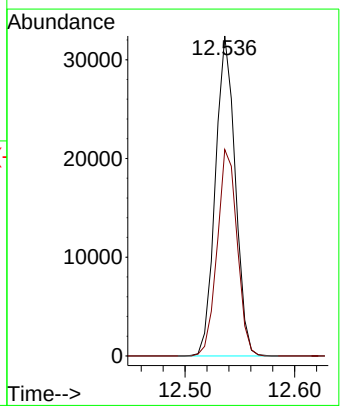


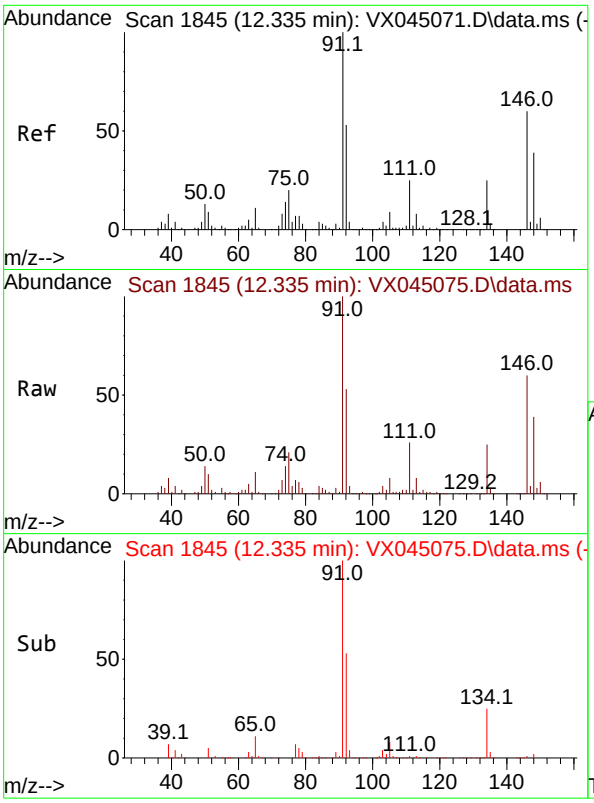


#90
Hexachloroethane
Concen: 51.866 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:117 Resp: 40844

Ion	Ratio	Lower	Upper
117	100		
201	64.7	31.9	95.9



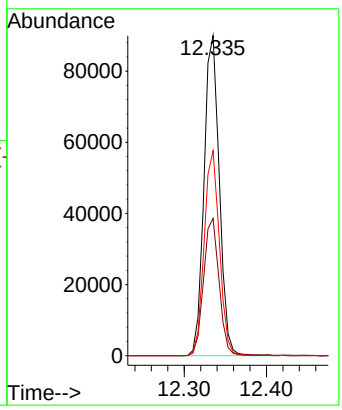


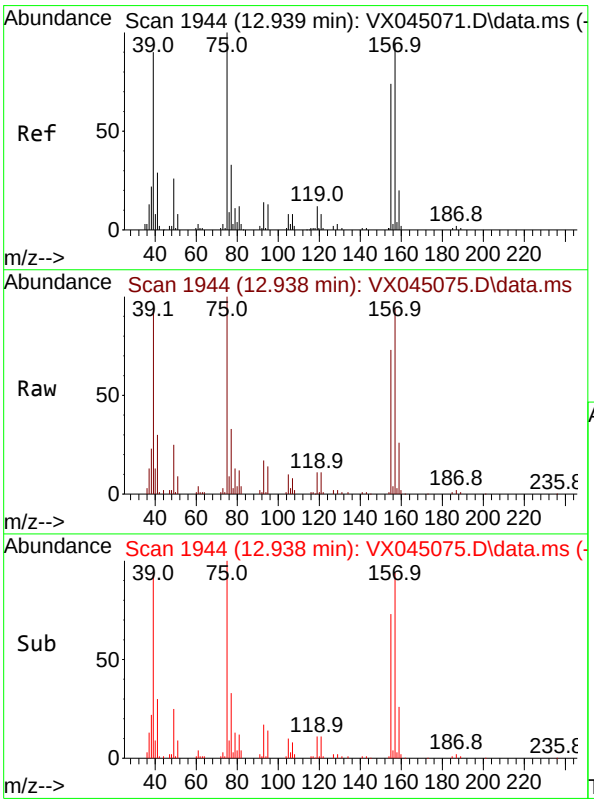
#91
1,2-Dichlorobenzene
Concen: 50.899 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

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

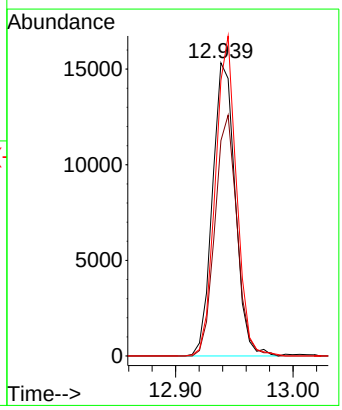


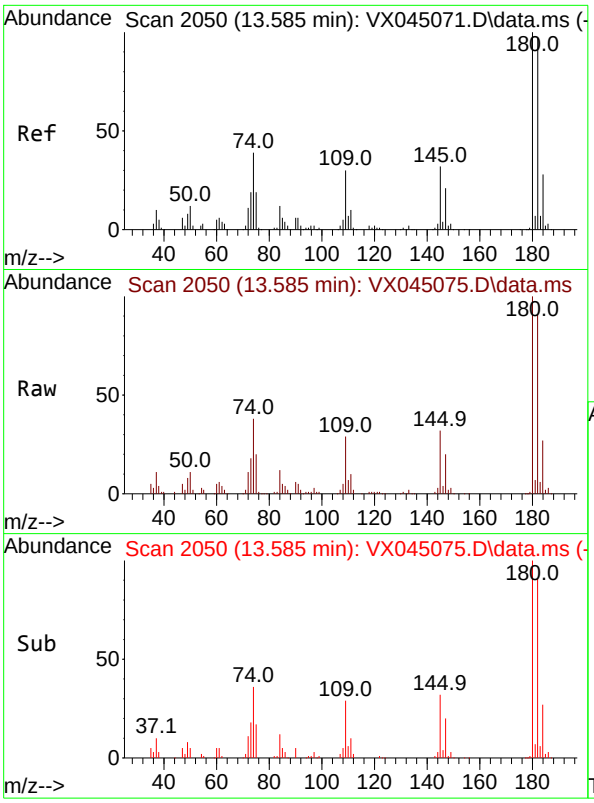


#92
1,2-Dibromo-3-Chloropropane
Concen: 53.199 ug/l
RT: 12.938 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

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



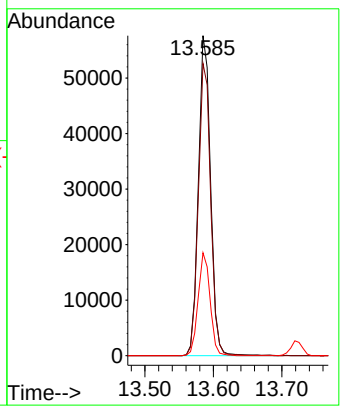


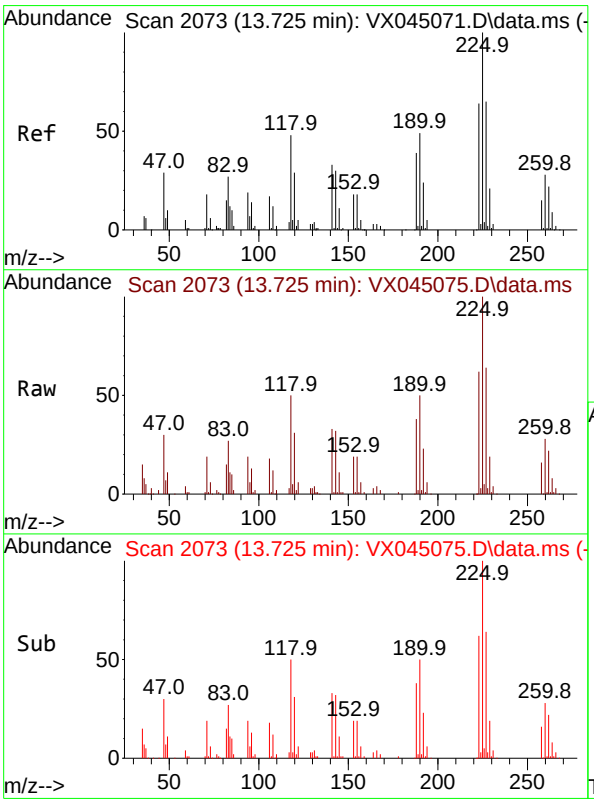
#93
1,2,4-Trichlorobenzene
Concen: 54.834 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

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

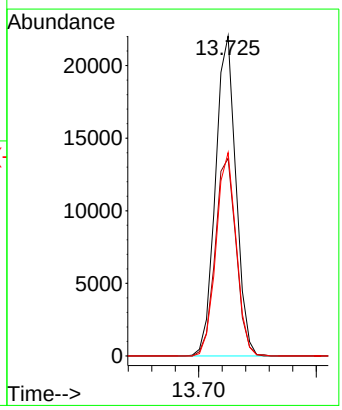


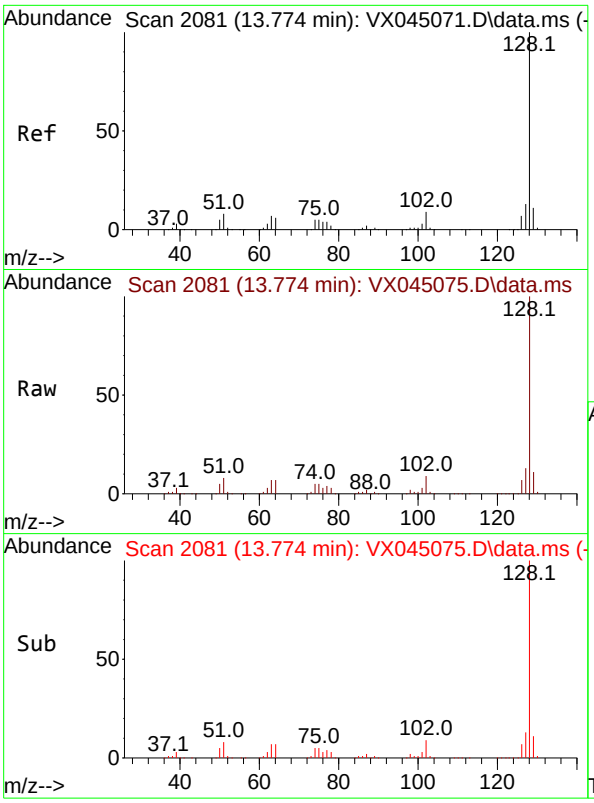


#94
Hexachlorobutadiene
Concen: 50.032 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

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



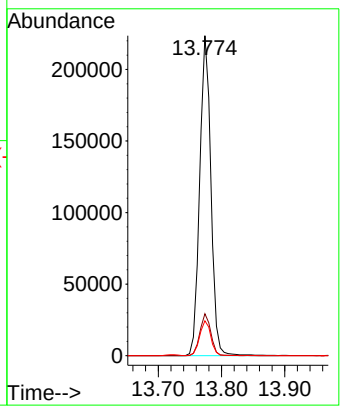


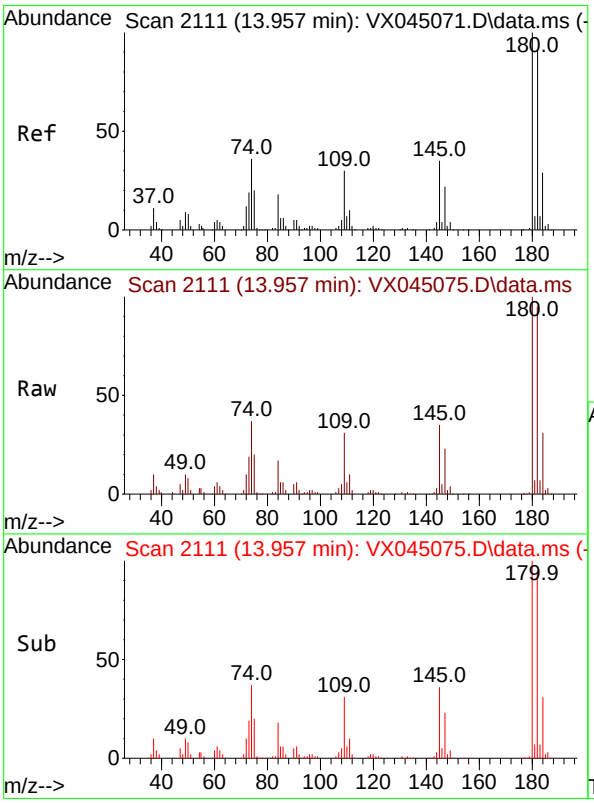
#95
Naphthalene
Concen: 55.163 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

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

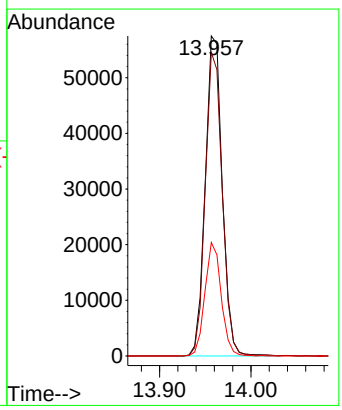




#96
1,2,3-Trichlorobenzene
Concen: 54.049 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

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\VX032125\
Data File : VX045375.D
Acq On : 21 Mar 2025 10:00
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 23:09:09 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	5.543	168	92791	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.750	114	160605	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	137508	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	63153	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	79413	53.804	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 107.600%			
35) Dibromofluoromethane	5.373	113	59186	55.112	ug/l	-0.01
Spiked Amount 50.000	Range 75 - 124		Recovery = 110.220%			
50) Toluene-d8	8.646	98	201541	51.765	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.540%			
62) 4-Bromofluorobenzene	11.079	95	70360	54.537	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 109.080%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	61468	52.626	ug/l	97
3) Chloromethane	1.306	50	63471	44.404	ug/l	95
4) Vinyl Chloride	1.373	62	64036	45.160	ug/l	98
5) Bromomethane	1.593	94	27995	50.221	ug/l	99
6) Chloroethane	1.660	64	30390	46.464	ug/l	97
7) Trichlorofluoromethane	1.867	101	96873	51.606	ug/l	98
8) Diethyl Ether	2.135	74	33633	45.807	ug/l	93
9) 1,1,2-Trichlorotrifluo...	2.312	101	64252	59.577	ug/l	99
10) Methyl Iodide	2.440	142	73240	54.343	ug/l	95
11) Tert butyl alcohol	2.989	59	63537	227.264	ug/l	98
12) 1,1-Dichloroethene	2.306	96	58618	51.410	ug/l	98
13) Acrolein	2.233	56	74499	230.519	ug/l	98
14) Allyl chloride	2.654	41	111653	55.012	ug/l	95
15) Acrylonitrile	3.062	53	200371	267.415	ug/l	100
16) Acetone	2.385	43	197839	288.897	ug/l	98
17) Carbon Disulfide	2.501	76	127332	41.928	ug/l	97
18) Methyl Acetate	2.702	43	115450	70.079	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	206541	53.992	ug/l	98
20) Methylene Chloride	2.782	84	68170	50.254	ug/l	98
21) trans-1,2-Dichloroethene	3.080	96	58005	51.494	ug/l	95
22) Diisopropyl ether	3.757	45	224386	54.361	ug/l	92
23) Vinyl Acetate	3.714	43	937999	272.307	ug/l	99
24) 1,1-Dichloroethane	3.598	63	123590	53.425	ug/l	100
25) 2-Butanone	4.556	43	282964	274.508	ug/l	97
26) 2,2-Dichloropropane	4.464	77	88812	81.849	ug/l	94
27) cis-1,2-Dichloroethene	4.476	96	74124	53.306	ug/l	93
28) Bromochloromethane	4.885	49	57779	52.401	ug/l	97
29) Tetrahydrofuran	5.001	42	176019	254.275	ug/l	99
30) Chloroform	5.080	83	126577	55.068	ug/l	98
31) Cyclohexane	5.458	56	102713	51.149	ug/l	95
32) 1,1,1-Trichloroethane	5.373	97	103105	55.539	ug/l	97
36) 1,1-Dichloropropene	5.683	75	79271	53.824	ug/l	99
37) Ethyl Acetate	4.708	43	102184	53.844	ug/l	100
38) Carbon Tetrachloride	5.665	117	87195	58.316	ug/l	99
39) Methylcyclohexane	7.372	83	100526	56.964	ug/l	98
40) Benzene	6.025	78	251470	54.071	ug/l	99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032125\
Data File : VX045375.D
Acq On : 21 Mar 2025 10:00
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 23:09:09 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	4.915	41	60824	59.274	ug/l		99
42) 1,2-Dichloroethane	6.080	62	99960	59.688	ug/l		98
43) Isopropyl Acetate	6.336	43	158796	56.586	ug/l		99
44) Trichloroethene	7.116	130	58470	53.543	ug/l		99
45) 1,2-Dichloropropane	7.421	63	64849	54.233	ug/l		97
46) Dibromomethane	7.573	93	49192	58.204	ug/l		97
47) Bromodichloromethane	7.817	83	98390	59.351	ug/l		99
48) Methyl methacrylate	7.689	41	83186	59.086	ug/l		94
49) 1,4-Dioxane	7.659	88	27870	938.459	ug/l		94
51) 4-Methyl-2-Pentanone	8.573	43	535400	284.145	ug/l		99
52) Toluene	8.713	92	151414	55.490	ug/l		99
53) t-1,3-Dichloropropene	8.976	75	86916	62.714	ug/l		95
54) cis-1,3-Dichloropropene	8.360	75	98708	61.078	ug/l		92
55) 1,1,2-Trichloroethane	9.146	97	61375	54.637	ug/l		98
56) Ethyl methacrylate	9.116	69	96944	56.775	ug/l		93
57) 1,3-Dichloropropane	9.305	76	106911	54.996	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.238	63	241784	290.277	ug/l		98
59) 2-Hexanone	9.427	43	394789	289.177	ug/l		98
60) Dibromochloromethane	9.518	129	69357	59.051	ug/l		99
61) 1,2-Dibromoethane	9.604	107	62209	55.474	ug/l		99
64) Tetrachloroethene	9.268	164	49823	56.573	ug/l		96
65) Chlorobenzene	10.073	112	163205	56.091	ug/l		100
66) 1,1,1,2-Tetrachloroethane	10.158	131	56003	57.796	ug/l		97
67) Ethyl Benzene	10.189	91	290458	57.291	ug/l		98
68) m/p-Xylenes	10.299	106	212125	114.295	ug/l		97
69) o-Xylene	10.640	106	103100	55.079	ug/l		96
70) Styrene	10.652	104	174503	57.615	ug/l		98
71) Bromoform	10.798	173	43497	59.529	ug/l	#	99
73) Isopropylbenzene	10.957	105	277512	56.299	ug/l		99
74) N-amyl acetate	10.841	43	130246	56.311	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.207	83	95947	53.043	ug/l		99
76) 1,2,3-Trichloropropane	11.237	75	102030	69.413	ug/l		85
77) Bromobenzene	11.195	156	62556	53.787	ug/l		96
78) n-propylbenzene	11.298	91	325584	58.471	ug/l		99
79) 2-Chlorotoluene	11.359	91	191329	53.953	ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	225866	56.669	ug/l		98
81) trans-1,4-Dichloro-2-b...	11.018	75	26280	61.185	ug/l		93
82) 4-Chlorotoluene	11.451	91	217941	56.390	ug/l		99
83) tert-Butylbenzene	11.713	119	225635	55.097	ug/l		97
84) 1,2,4-Trimethylbenzene	11.749	105	226630	56.511	ug/l		99
85) sec-Butylbenzene	11.890	105	290816	59.284	ug/l		99
86) p-Isopropyltoluene	12.006	119	235736	59.464	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	113122	54.523	ug/l		99
88) 1,4-Dichlorobenzene	12.036	146	113332	53.992	ug/l		98
89) n-Butylbenzene	12.329	91	216299	63.349	ug/l		99
90) Hexachloroethane	12.536	117	42009	58.585	ug/l		97
91) 1,2-Dichlorobenzene	12.335	146	113769	54.663	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.938	75	20643	58.578	ug/l		94
93) 1,2,4-Trichlorobenzene	13.585	180	69410	58.569	ug/l		98
94) Hexachlorobutadiene	13.725	225	30098	61.947	ug/l		99
95) Naphthalene	13.774	128	257595	56.574	ug/l		100
96) 1,2,3-Trichlorobenzene	13.962	180	73755	58.994	ug/l		97

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032125\
Data File : VX045375.D
Acq On : 21 Mar 2025 10:00
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 23:09:09 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

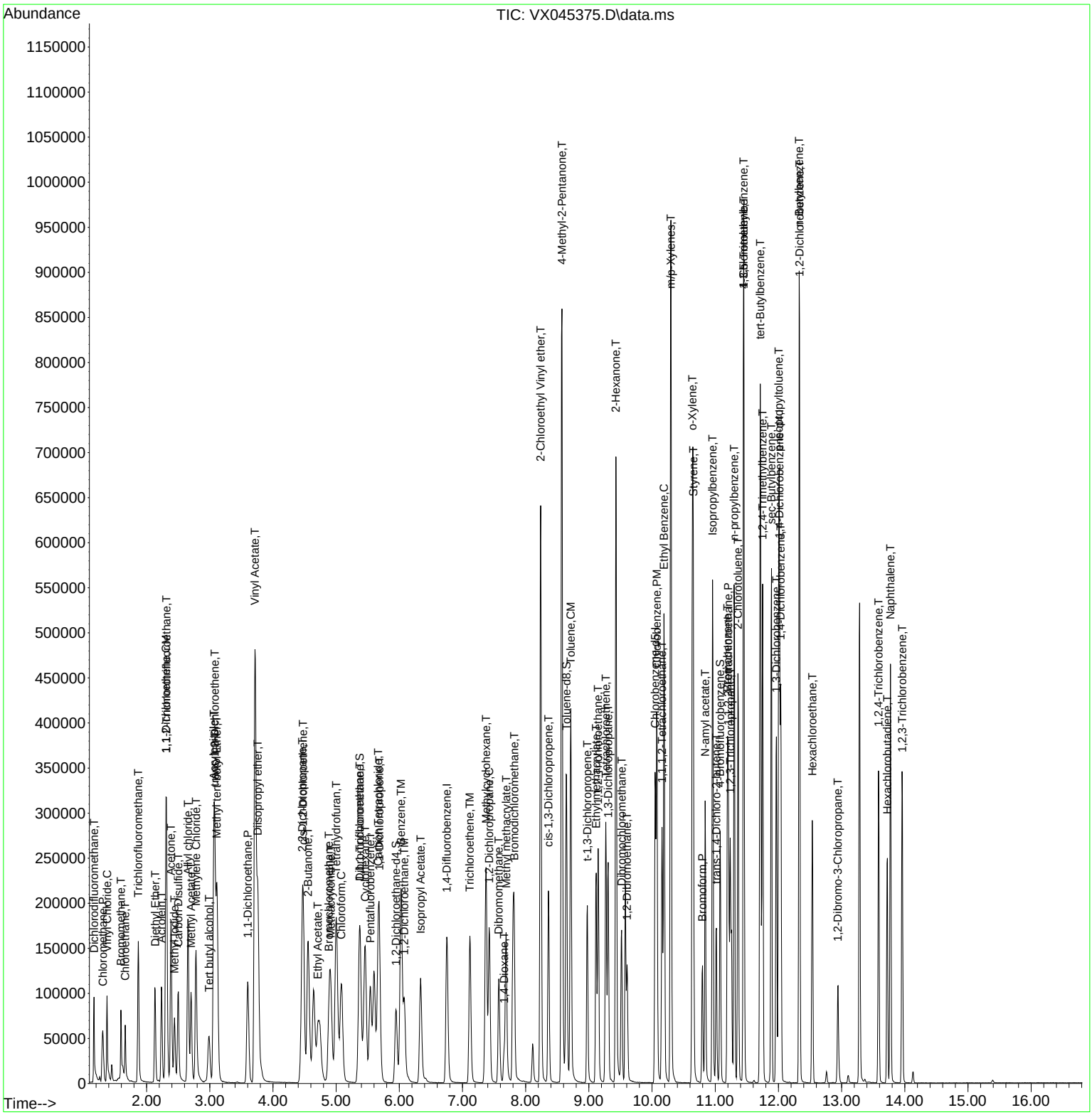
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

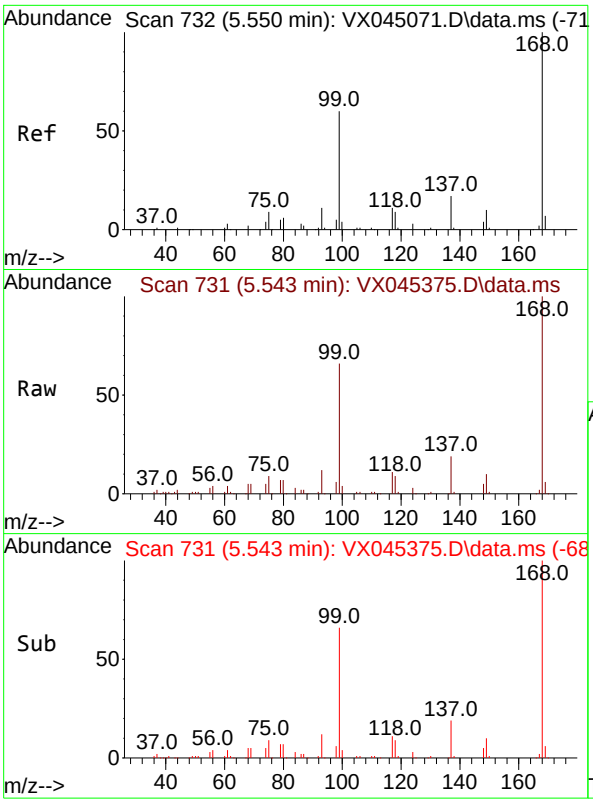
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032125\
Data File : VX045375.D
Acq On : 21 Mar 2025 10:00
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 23:09:09 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



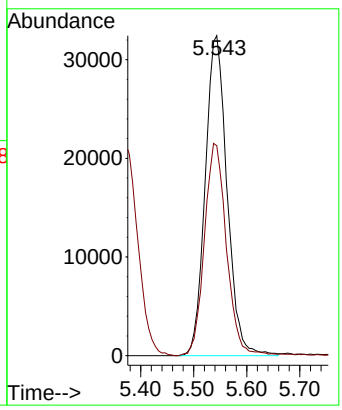


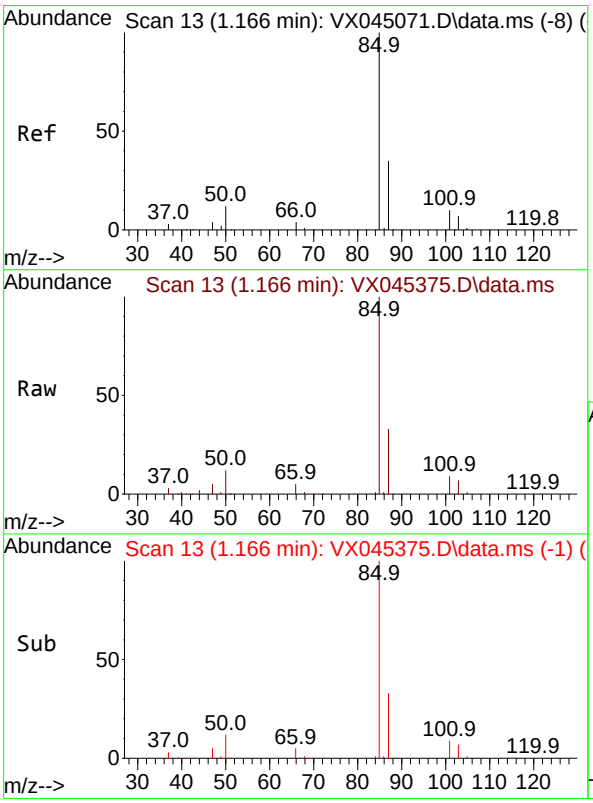
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.543 min Scan# 7
Delta R.T. -0.007 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:168 Resp: 92791

Ion	Ratio	Lower	Upper
168	100		
99	65.6	48.2	72.4

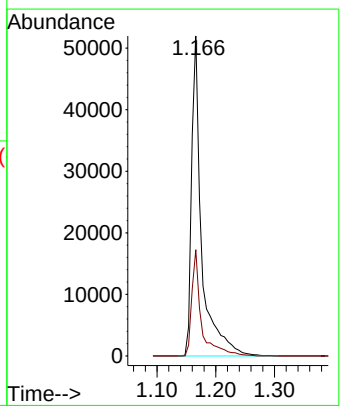


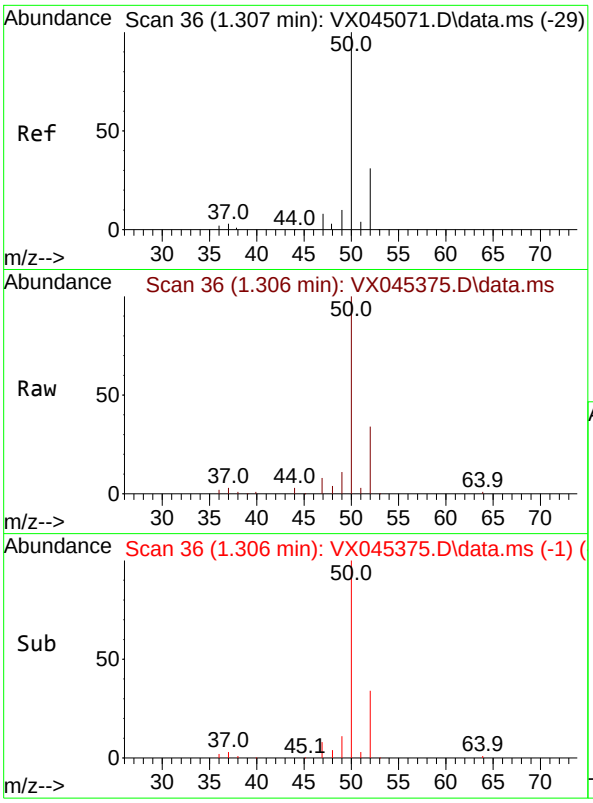


#2
Dichlorodifluoromethane
Concen: 52.626 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion: 85 Resp: 61468

Ion	Ratio	Lower	Upper
85	100		
87	33.2	17.4	52.3



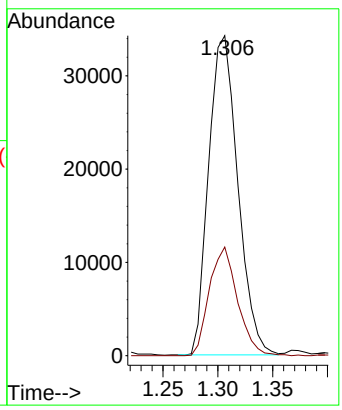


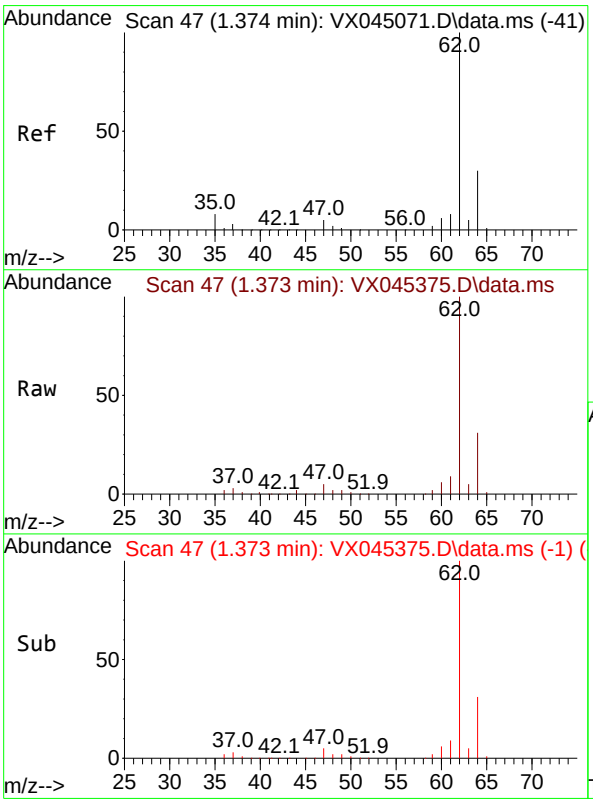
#3
Chloromethane
Concen: 44.404 ug/l
RT: 1.306 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 50 Resp: 63471

Ion	Ratio	Lower	Upper
50	100		
52	34.1	25.0	37.4

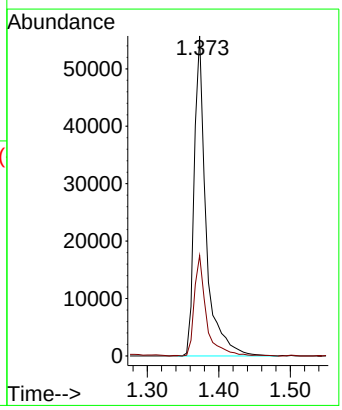


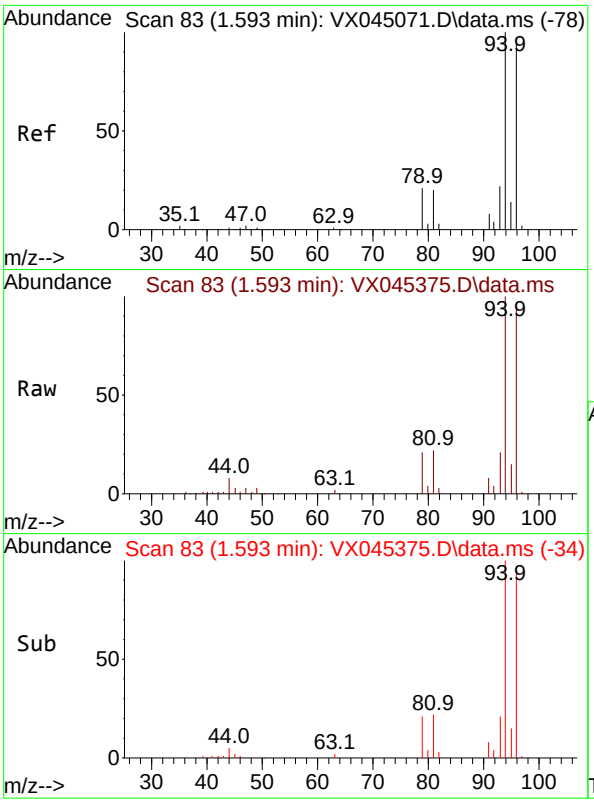


#4
Vinyl Chloride
Concen: 45.160 ug/l
RT: 1.373 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion: 62 Resp: 64036

Ion	Ratio	Lower	Upper
62	100		
64	31.4	24.3	36.5



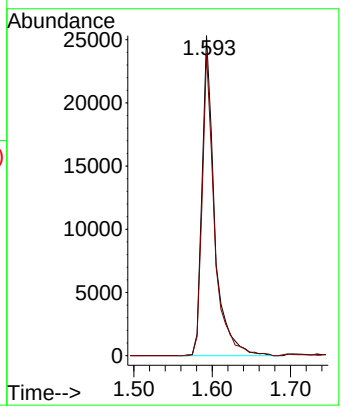


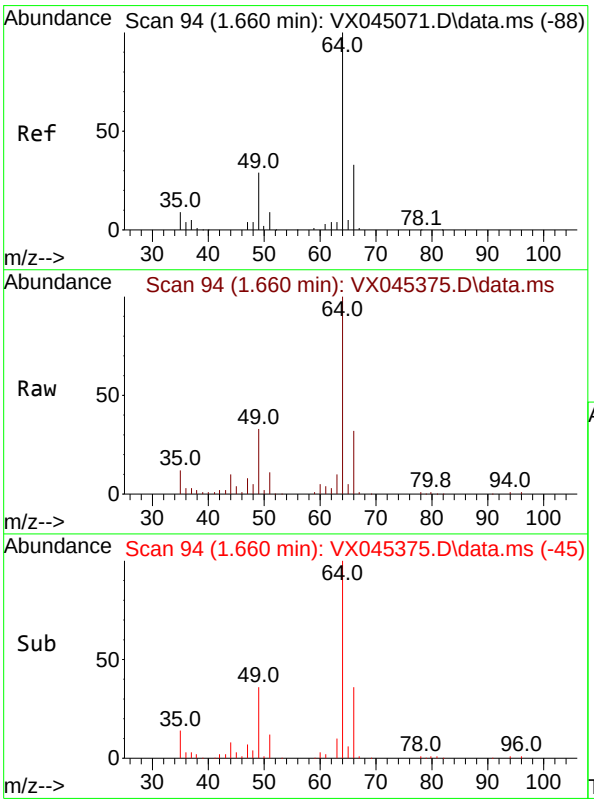
#5
Bromomethane
Concen: 50.221 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 94 Resp: 27995

Ion	Ratio	Lower	Upper
94	100		
96	94.5	75.0	112.4

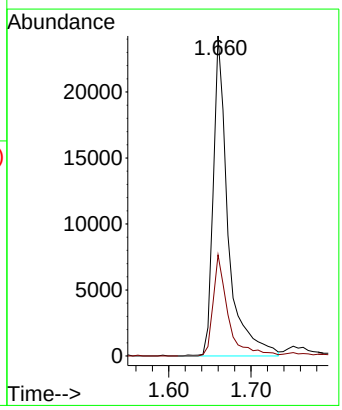


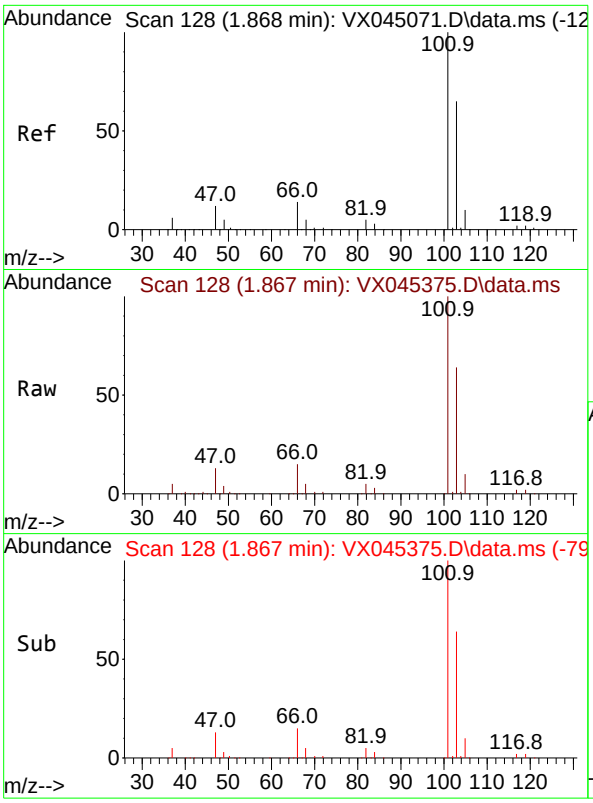


#6
Chloroethane
Concen: 46.464 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion: 64 Resp: 30390

Ion	Ratio	Lower	Upper
64	100		
66	31.6	26.7	40.1



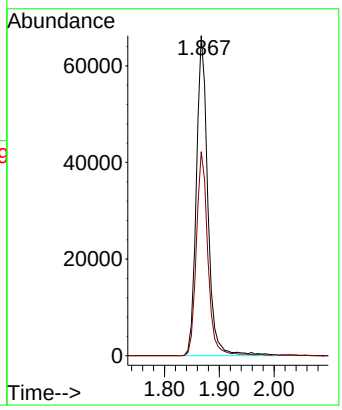


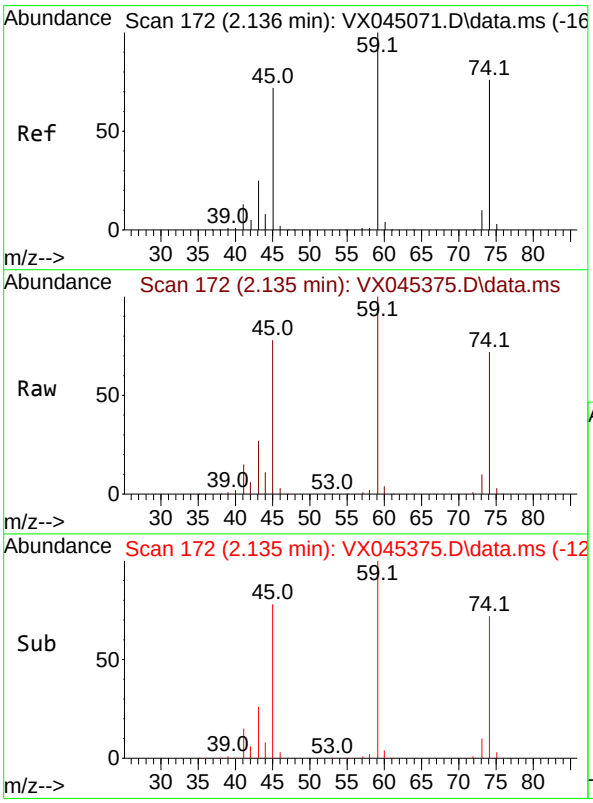
#7
Trichlorofluoromethane
Concen: 51.606 ug/l
RT: 1.867 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 96873

Ion	Ratio	Lower	Upper
101	100		
103	63.8	52.1	78.1

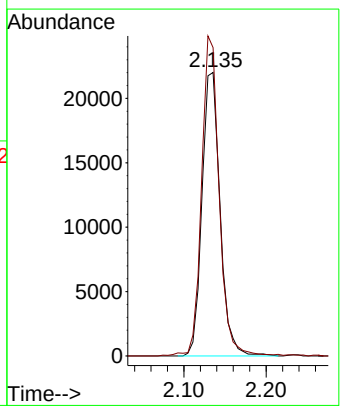


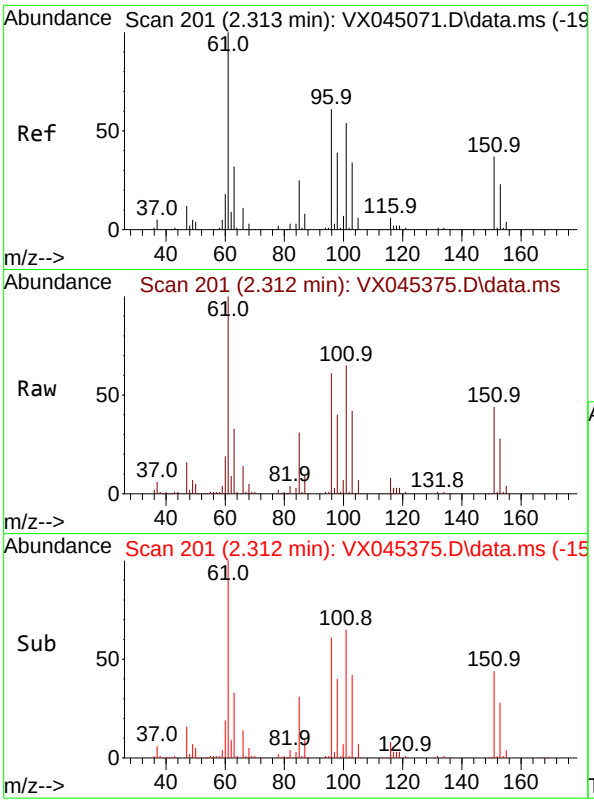


#8
Diethyl Ether
Concen: 45.807 ug/l
RT: 2.135 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion: 74 Resp: 33633

Ion	Ratio	Lower	Upper
74	100		
45	110.0	51.5	154.5



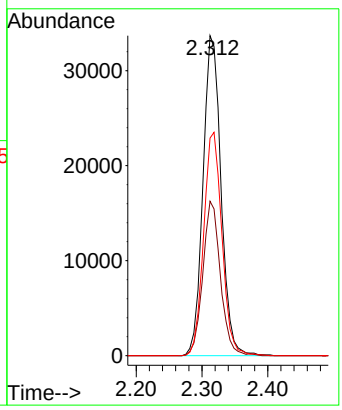


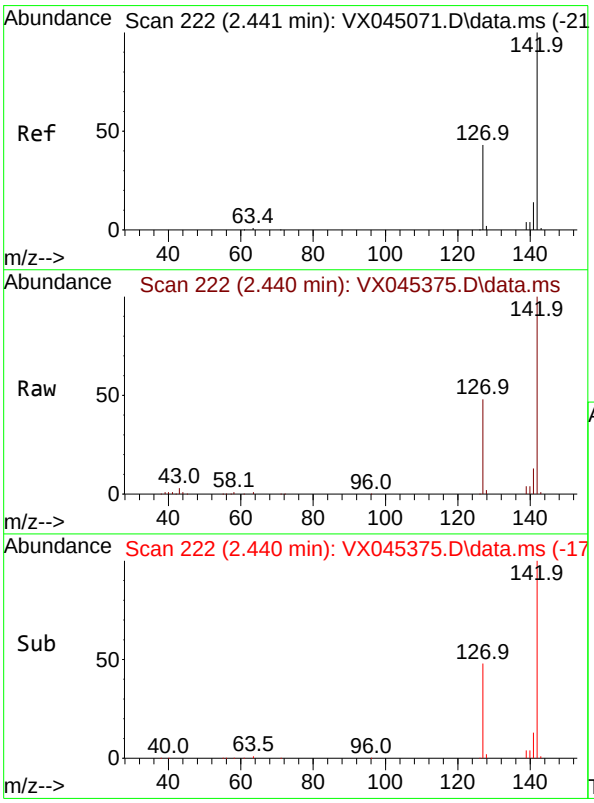
#9
1,1,2-Trichlorotrifluoroethane
Concen: 59.577 ug/l
RT: 2.312 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 64252

Ion	Ratio	Lower	Upper
101	100		
85	47.1	36.2	54.4
151	70.8	56.4	84.6

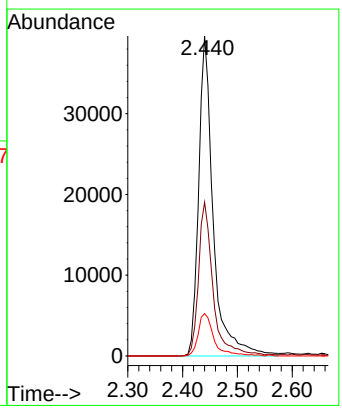


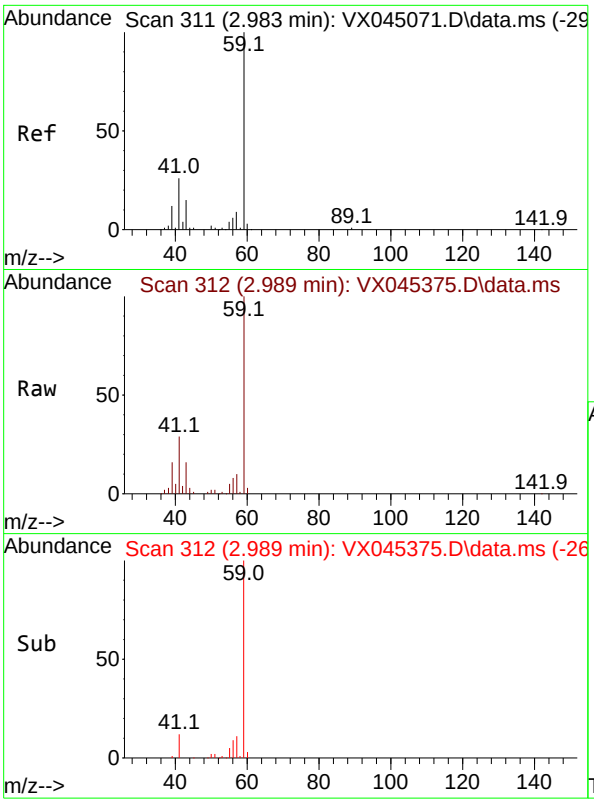


#10
Methyl Iodide
Concen: 54.343 ug/l
RT: 2.440 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion:142 Resp: 73240

Ion	Ratio	Lower	Upper
142	100		
127	48.4	35.4	53.2
141	14.4	11.6	17.4



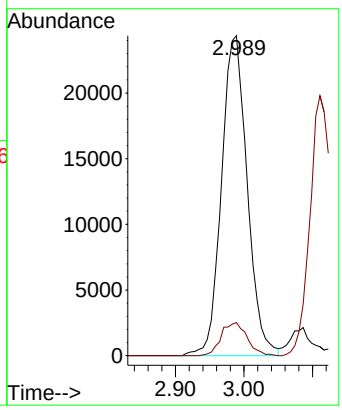


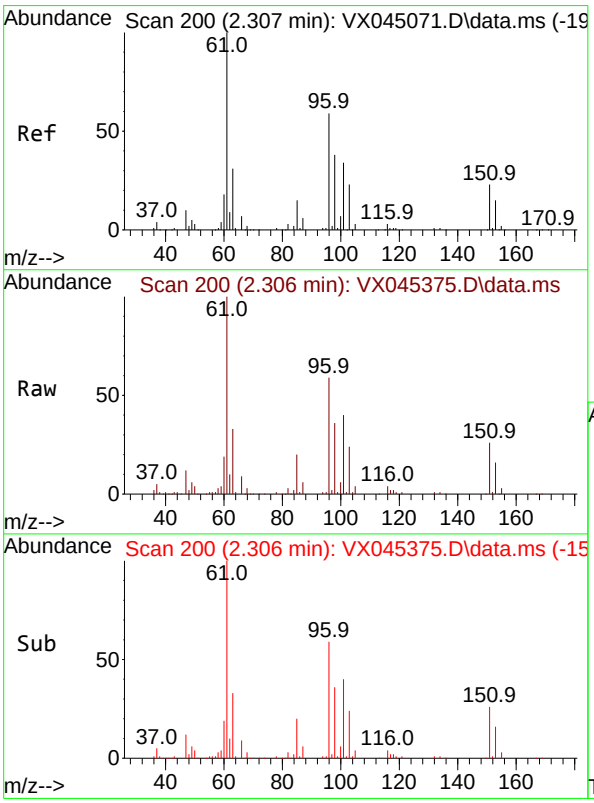
#11
Tert butyl alcohol
Concen: 227.264 ug/l
RT: 2.989 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 59 Resp: 63537

Ion	Ratio	Lower	Upper
59	100		
57	10.4	7.8	11.8

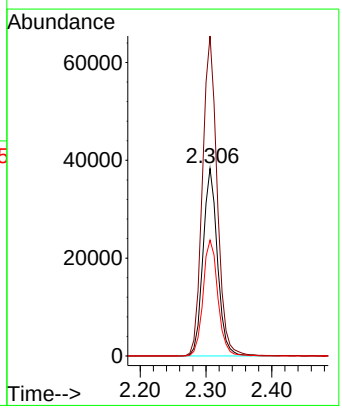


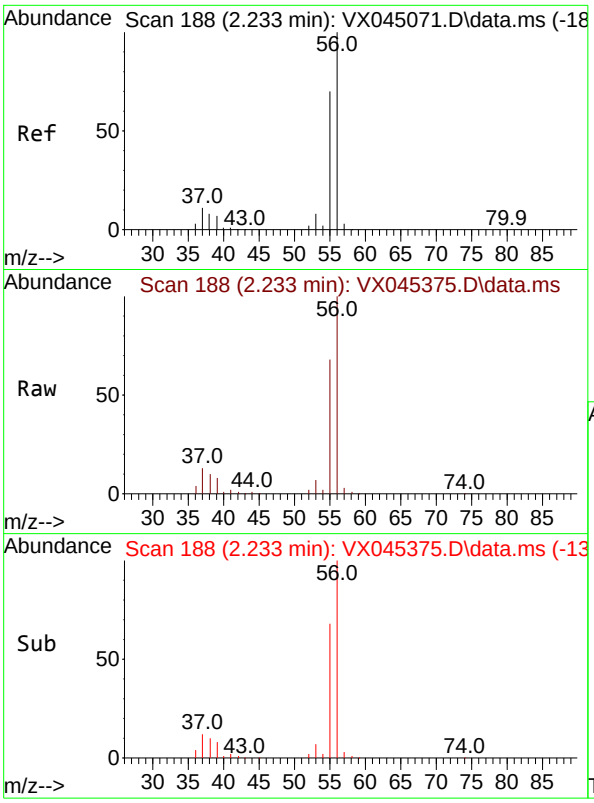


#12
1,1-Dichloroethene
Concen: 51.410 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion: 96 Resp: 58618

Ion	Ratio	Lower	Upper
96	100		
61	170.6	134.6	202.0
98	61.7	51.0	76.6



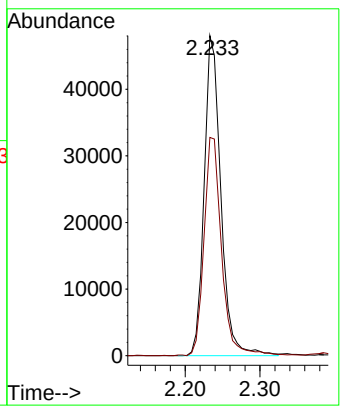


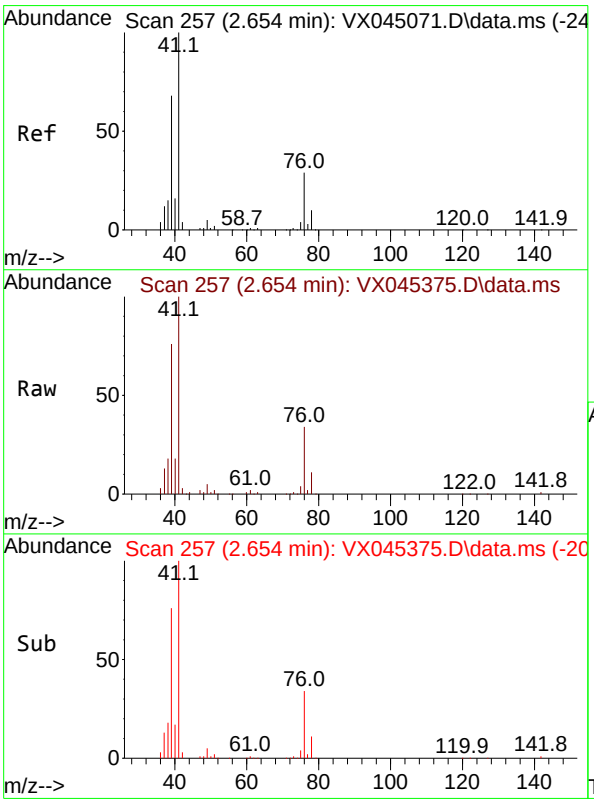
#13
Acrolein
Concen: 230.519 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 56 Resp: 74499

Ion	Ratio	Lower	Upper
56	100		
55	72.0	56.2	84.4

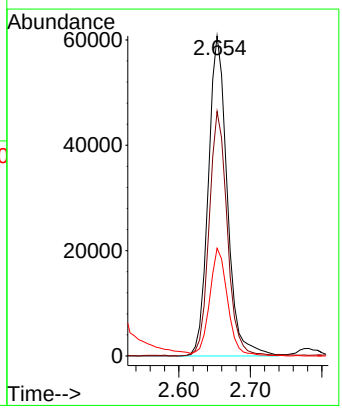


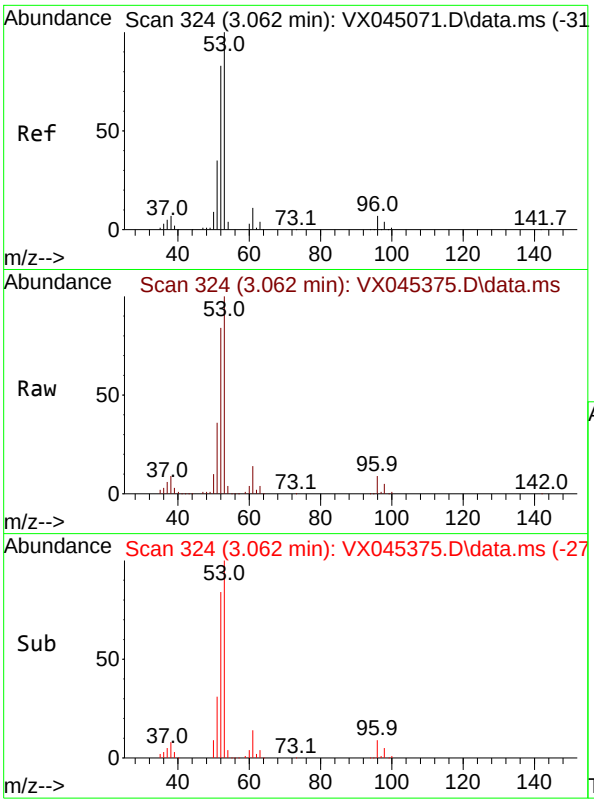


#14
Allyl chloride
Concen: 55.012 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion: 41 Resp: 111653

Ion	Ratio	Lower	Upper
41	100		
39	73.2	53.8	80.8
76	32.0	25.2	37.8



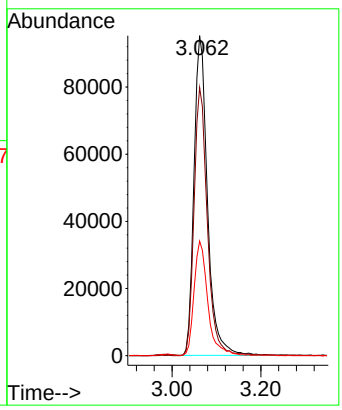


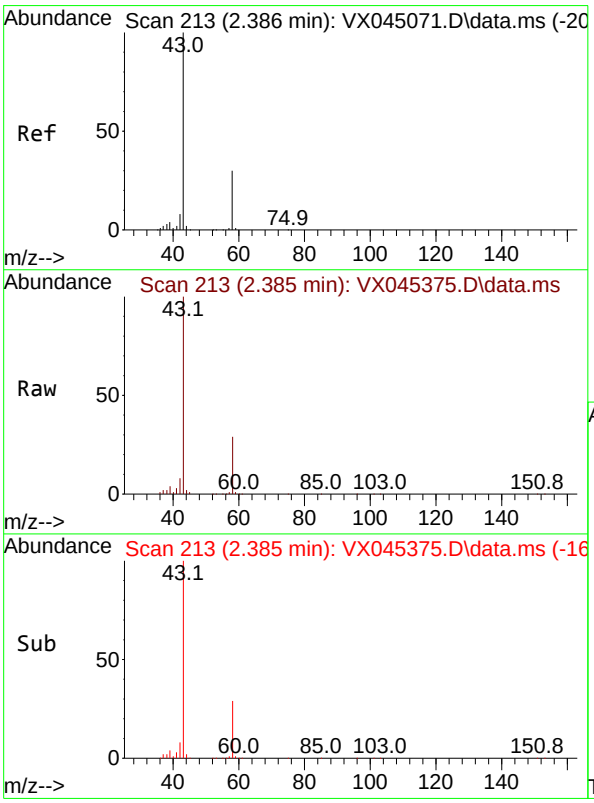
#15
Acrylonitrile
Concen: 267.415 ug/l
RT: 3.062 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 53 Resp: 200371

Ion	Ratio	Lower	Upper
53	100		
52	82.9	66.2	99.2
51	36.4	29.0	43.4

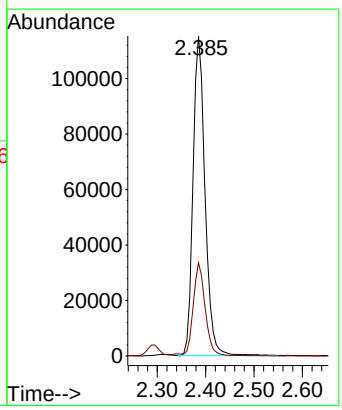


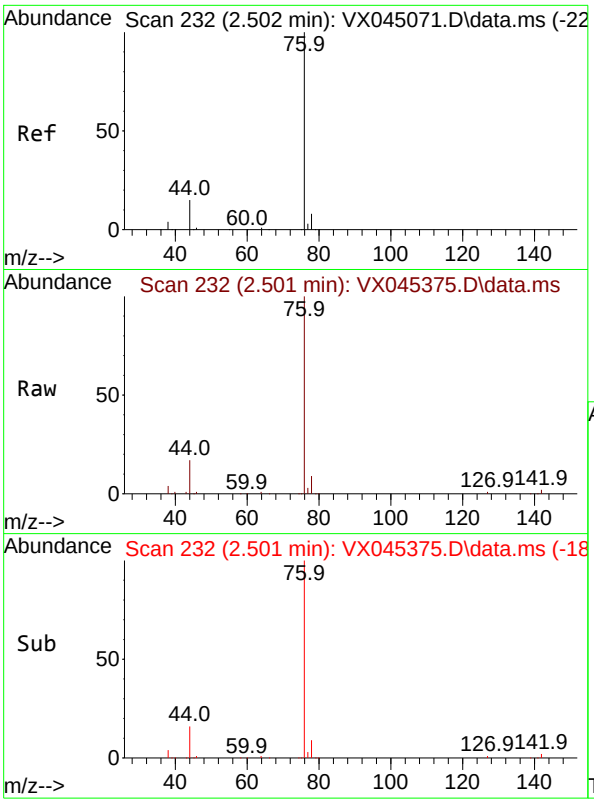


#16
Acetone
Concen: 288.897 ug/l
RT: 2.385 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion: 43 Resp: 197839

Ion	Ratio	Lower	Upper
43	100		
58	29.2	24.2	36.4



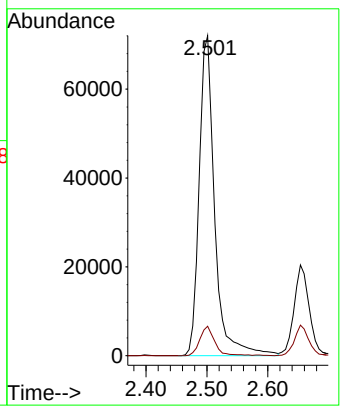


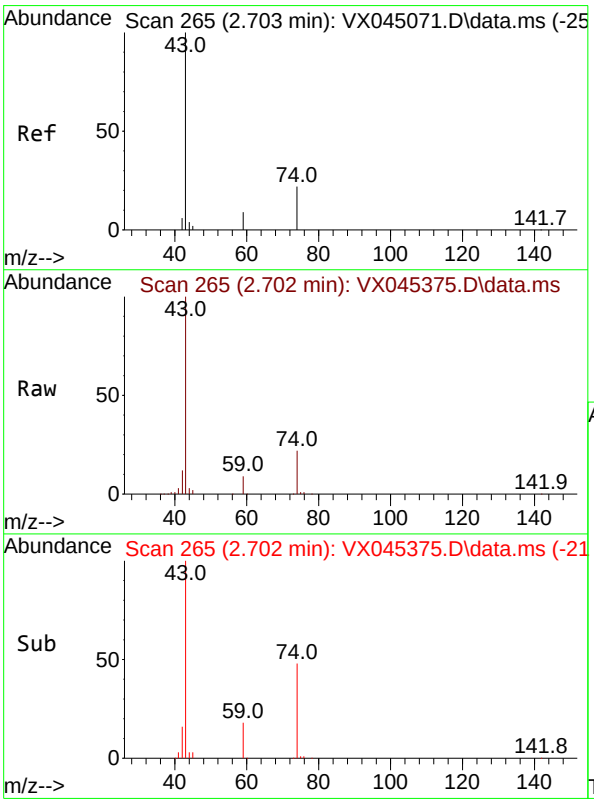
#17
Carbon Disulfide
Concen: 41.928 ug/l
RT: 2.501 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 127332

Ion	Ratio	Lower	Upper
76	100		
78	9.2	6.6	9.8

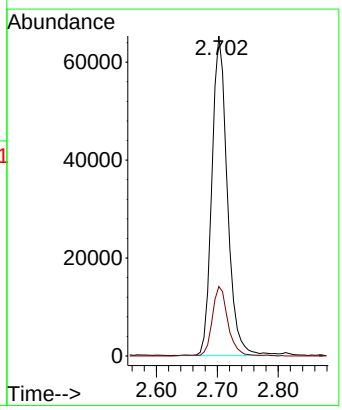


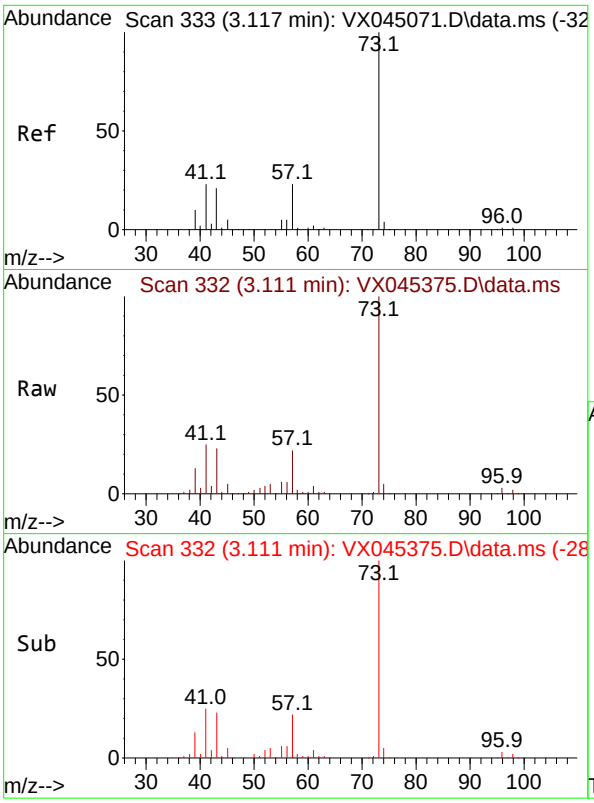


#18
Methyl Acetate
Concen: 70.079 ug/l
RT: 2.702 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion: 43 Resp: 115450

Ion	Ratio	Lower	Upper
43	100		
74	21.1	17.4	26.2



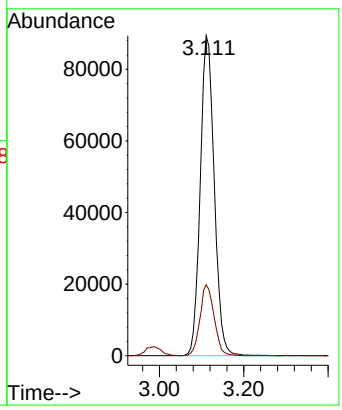


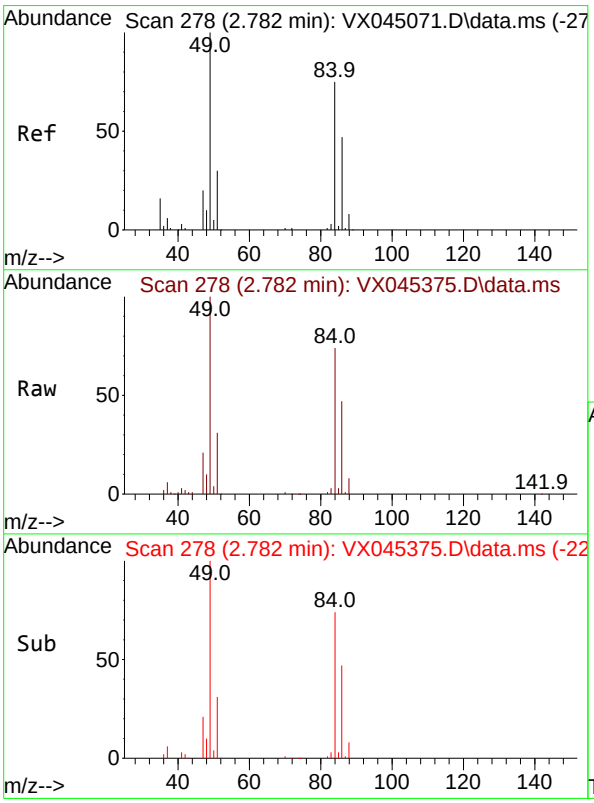
#19
Methyl tert-butyl Ether
Concen: 53.992 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.007 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 73 Resp: 206541

Ion	Ratio	Lower	Upper
73	100		
57	22.1	18.5	27.7

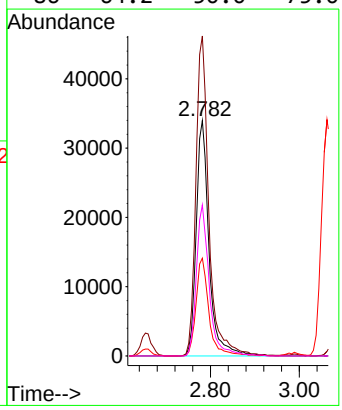


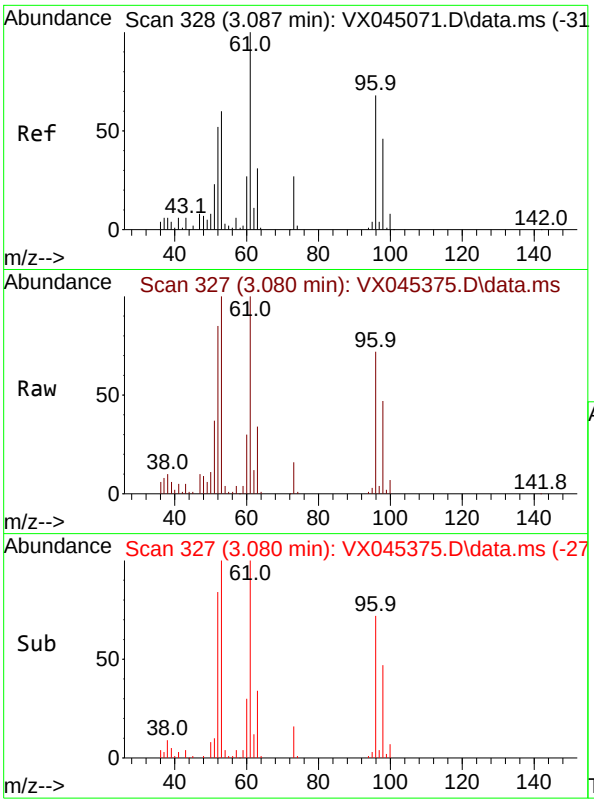


#20
Methylene Chloride
Concen: 50.254 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion: 84 Resp: 68170

Ion	Ratio	Lower	Upper
84	100		
49	136.0	106.5	159.7
51	41.5	32.1	48.1
86	64.2	50.0	75.0



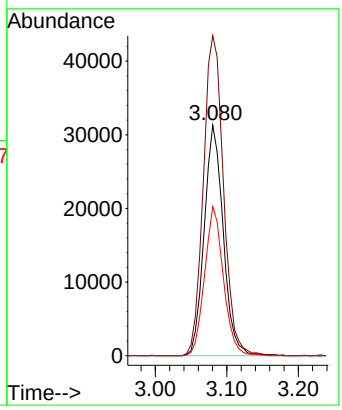


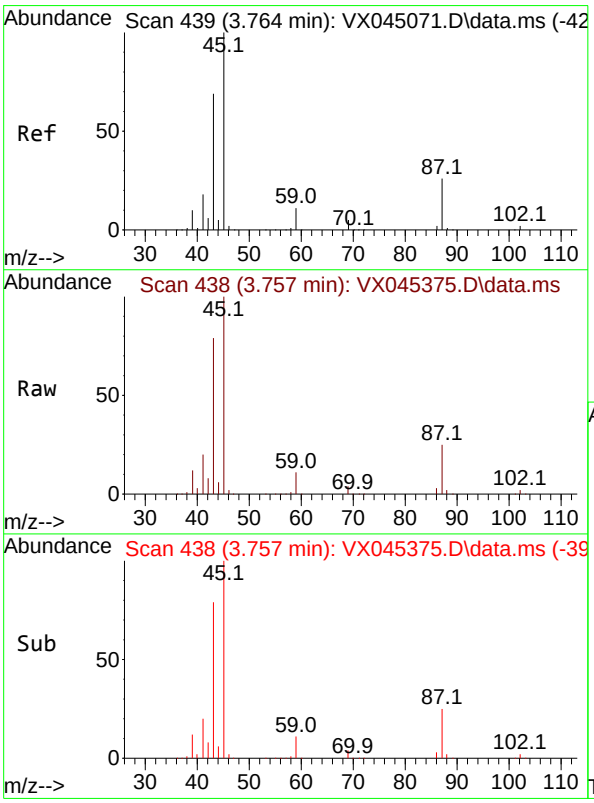
#21
trans-1,2-Dichloroethene
Concen: 51.494 ug/l
RT: 3.080 min Scan# 3
Delta R.T. -0.007 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 96 Resp: 58005

Ion	Ratio	Lower	Upper
96	100		
61	138.8	117.0	175.4
98	64.6	53.4	80.2

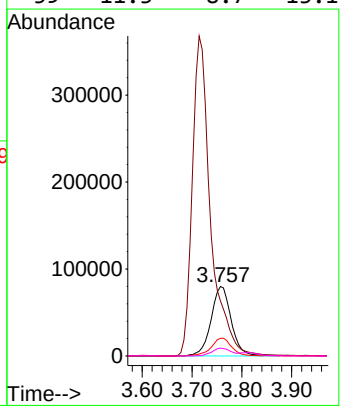


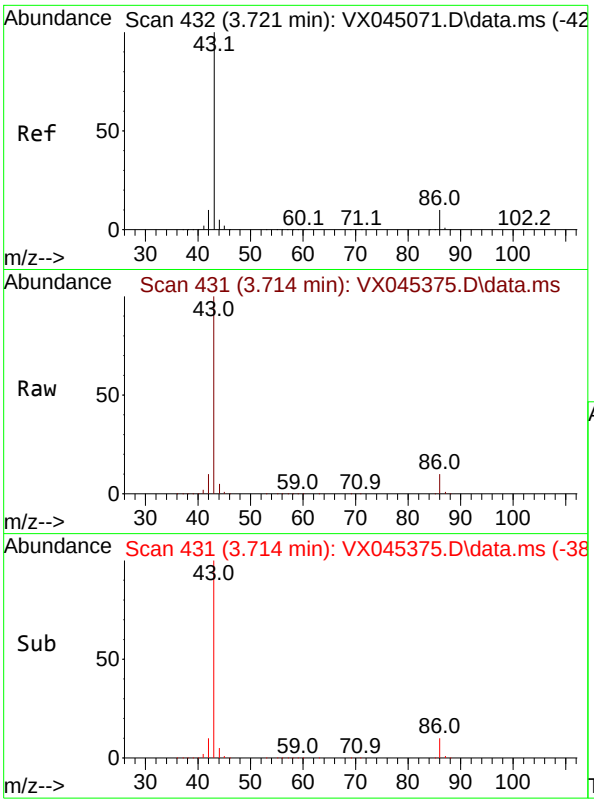


#22
Diisopropyl ether
Concen: 54.361 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.007 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion: 45 Resp: 224386

Ion	Ratio	Lower	Upper
45	100		
43	78.4	54.9	82.3
87	25.4	21.0	31.4
59	11.3	8.7	13.1



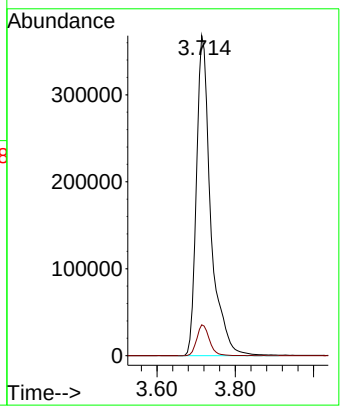


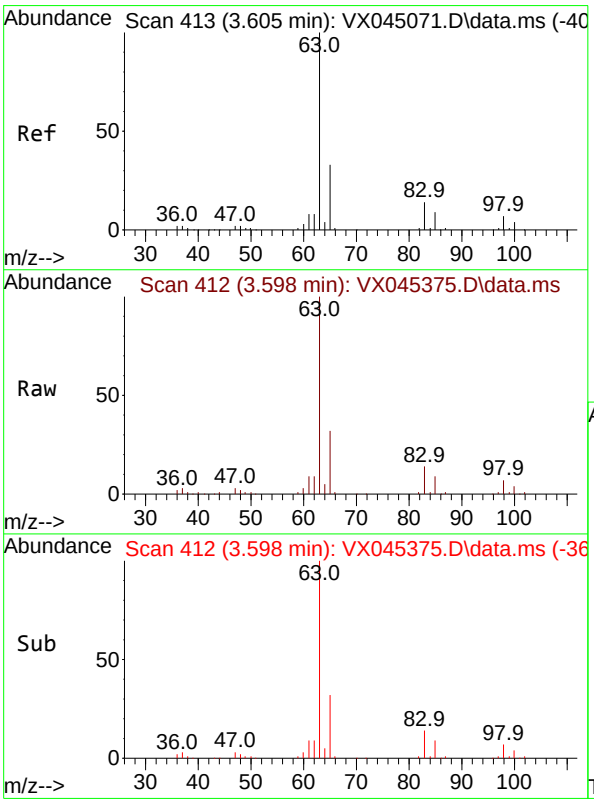
#23
Vinyl Acetate
Concen: 272.307 ug/l
RT: 3.714 min Scan# 4
Delta R.T. -0.007 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 937999

Ion	Ratio	Lower	Upper
43	100		
86	9.7	8.1	12.1

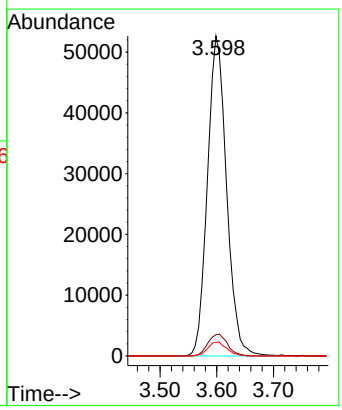


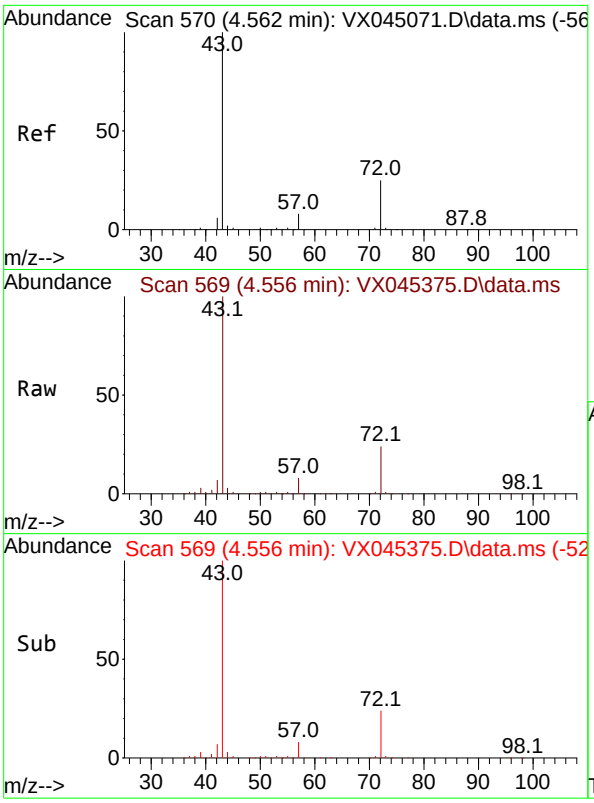


#24
1,1-Dichloroethane
Concen: 53.425 ug/l
RT: 3.598 min Scan# 412
Delta R.T. -0.007 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion: 63 Resp: 123590

Ion	Ratio	Lower	Upper
63	100		
98	6.6	3.4	10.2
100	4.2	2.1	6.5



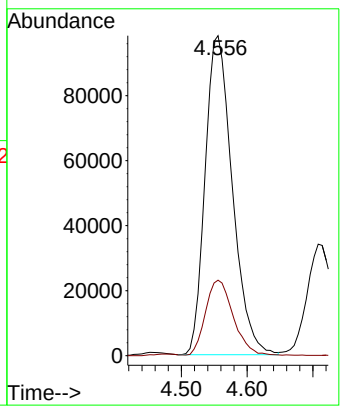


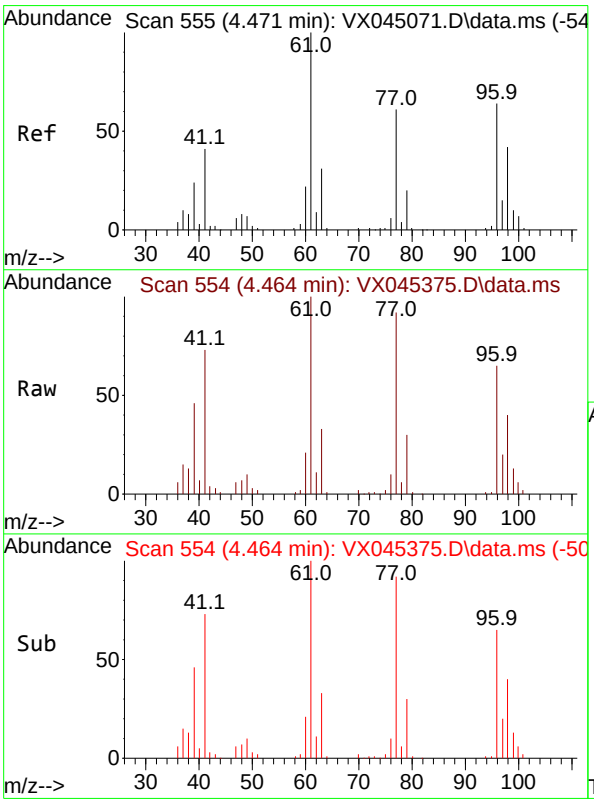
#25
2-Butanone
Concen: 274.508 ug/l
RT: 4.556 min Scan# 5
Delta R.T. -0.007 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 282964

Ion	Ratio	Lower	Upper
43	100		
72	23.4	20.0	30.0

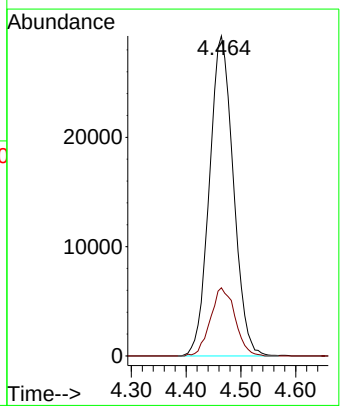


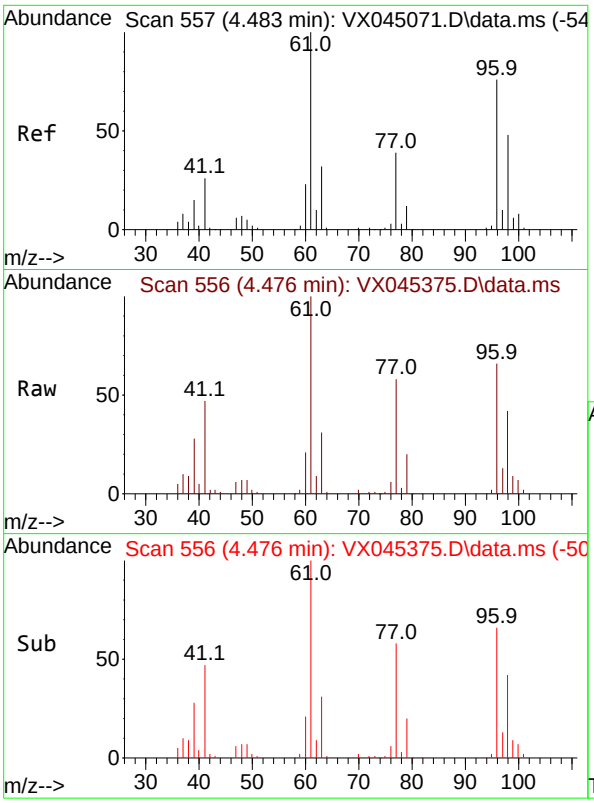


#26
2,2-Dichloropropane
Concen: 81.849 ug/l
RT: 4.464 min Scan# 554
Delta R.T. -0.007 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion: 77 Resp: 88812

Ion	Ratio	Lower	Upper
77	100		
97	21.9	12.4	37.0



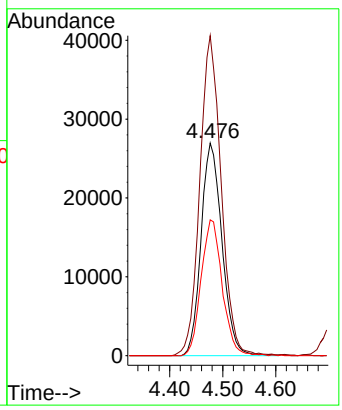


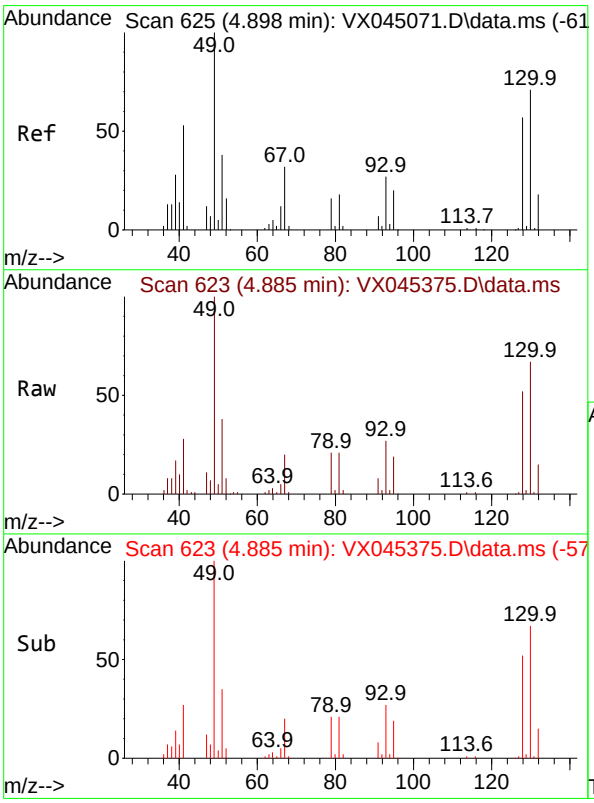
#27
cis-1,2-Dichloroethene
Concen: 53.306 ug/l
RT: 4.476 min Scan# 5
Delta R.T. -0.007 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 96 Resp: 74124

Ion	Ratio	Lower	Upper
96	100		
61	153.3	0.0	283.2
98	64.2	0.0	128.0

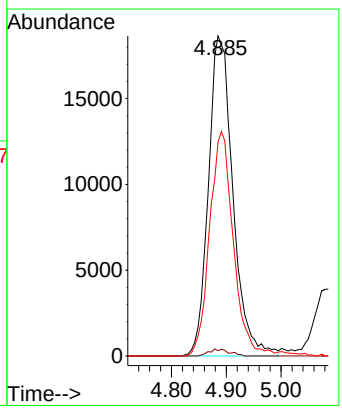


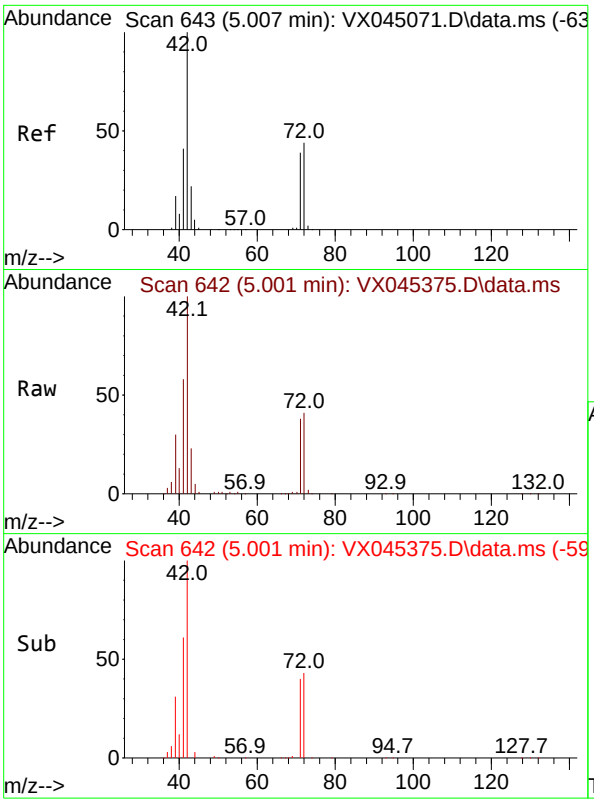


#28
Bromochloromethane
Concen: 52.401 ug/l
RT: 4.885 min Scan# 623
Delta R.T. -0.013 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion: 49 Resp: 57779

Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.4
130	67.9	56.1	84.1



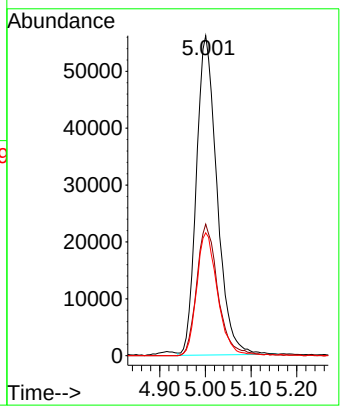


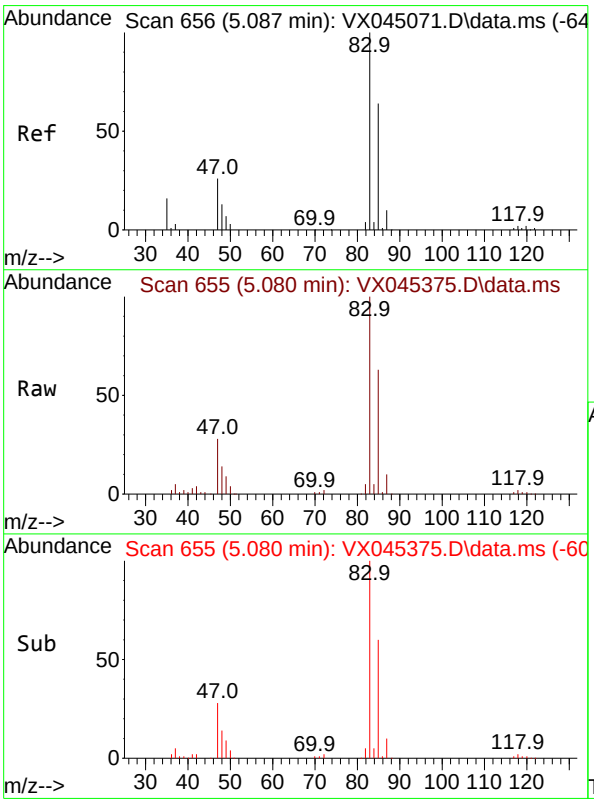
#29
Tetrahydrofuran
Concen: 254.275 ug/l
RT: 5.001 min Scan# 64
Delta R.T. -0.007 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 42 Resp: 176019

Ion	Ratio	Lower	Upper
42	100		
72	42.0	34.1	51.1
71	38.9	31.4	47.0

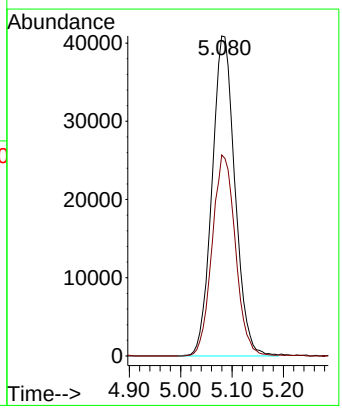


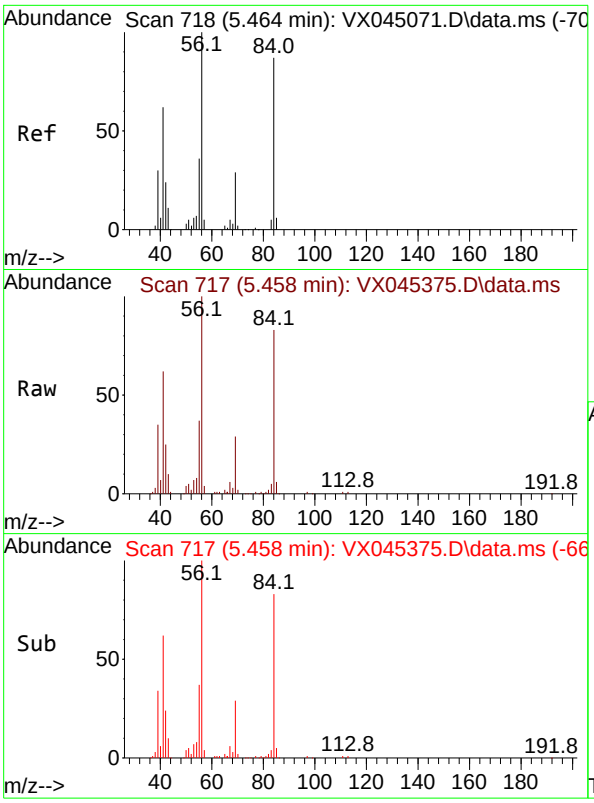


#30
Chloroform
Concen: 55.068 ug/l
RT: 5.080 min Scan# 655
Delta R.T. -0.007 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion: 83 Resp: 126577

Ion	Ratio	Lower	Upper
83	100		
85	62.8	51.4	77.2



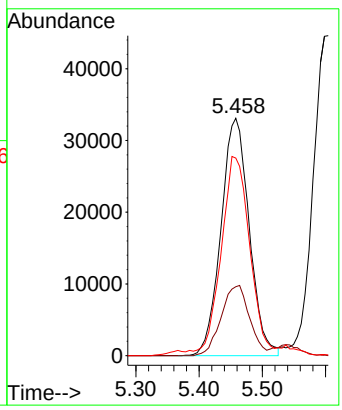


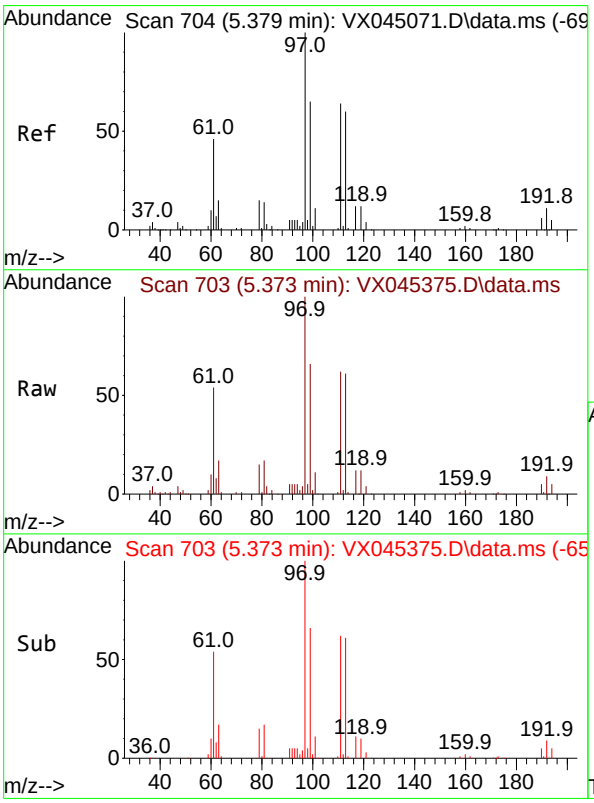
#31
Cyclohexane
Concen: 51.149 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.007 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 56 Resp: 102713

Ion	Ratio	Lower	Upper
56	100		
69	29.0	23.4	35.2
84	81.0	69.4	104.2

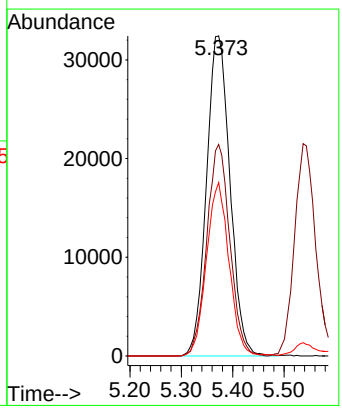


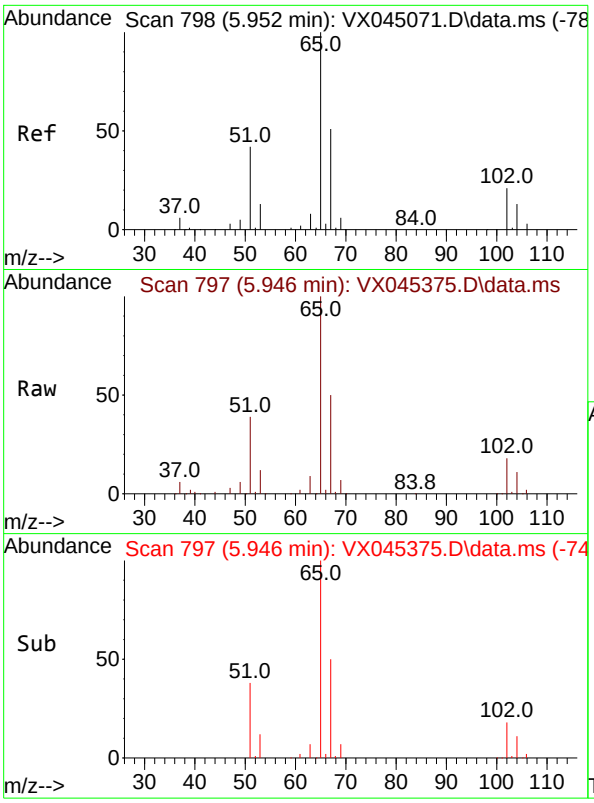


#32
1,1,1-Trichloroethane
Concen: 55.539 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.007 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion: 97 Resp: 103105

Ion	Ratio	Lower	Upper
97	100		
99	64.8	51.6	77.4
61	52.2	38.4	57.6



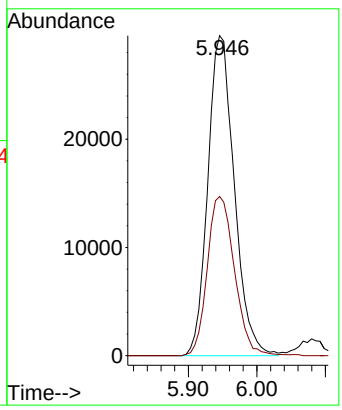


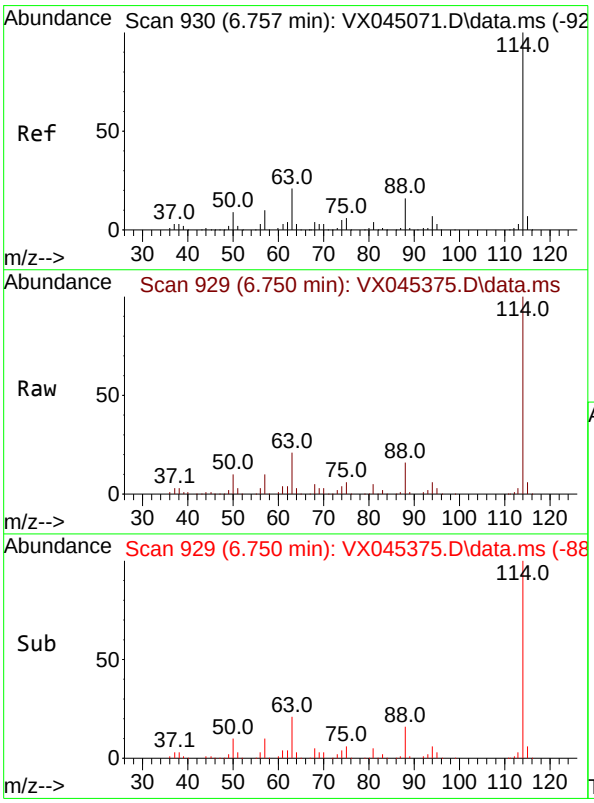
#33
1,2-Dichloroethane-d4
Concen: 53.804 ug/l
RT: 5.946 min Scan# 7
Delta R.T. -0.007 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 65 Resp: 79413

Ion	Ratio	Lower	Upper
65	100		
67	51.2	0.0	106.2

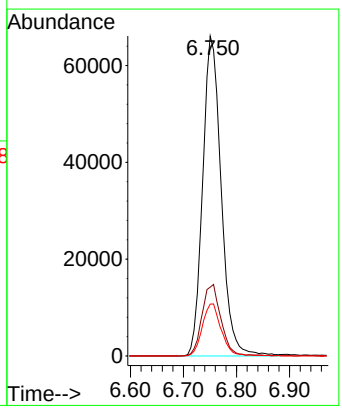


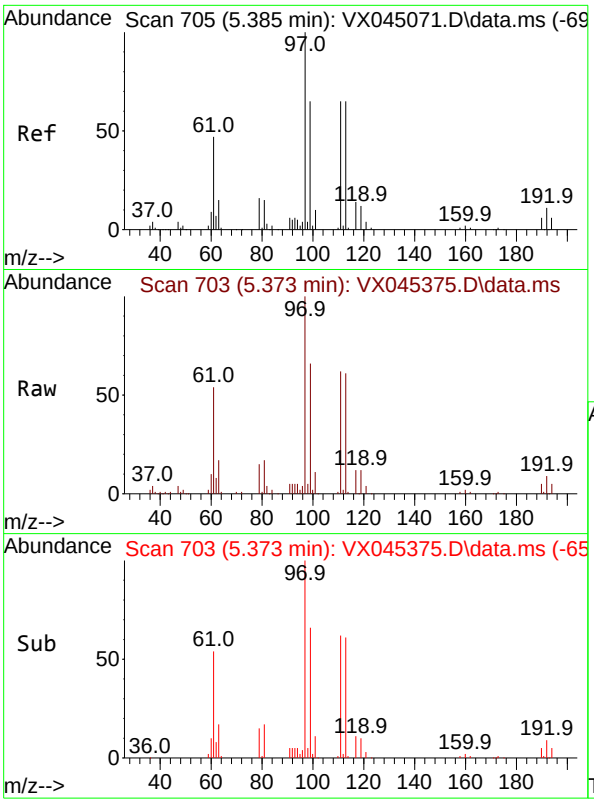


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.750 min Scan# 929
Delta R.T. -0.007 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion:114 Resp: 160605

Ion	Ratio	Lower	Upper
114	100		
63	21.5	0.0	41.8
88	16.2	0.0	32.8



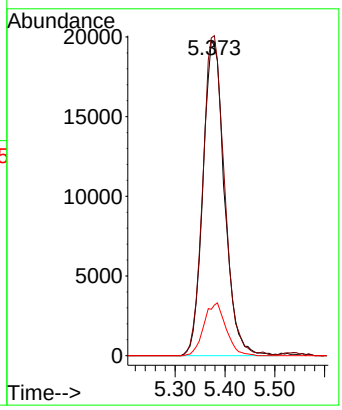


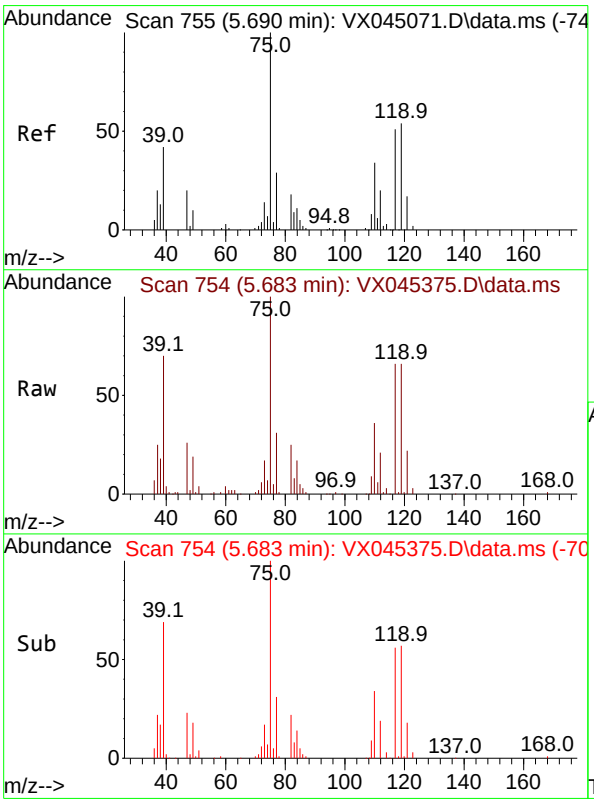
#35
Dibromofluoromethane
Concen: 55.112 ug/l
RT: 5.373 min Scan# 7
Delta R.T. -0.013 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:113 Resp: 59186

Ion	Ratio	Lower	Upper
113	100		
111	102.4	81.8	122.6
192	17.2	14.3	21.5

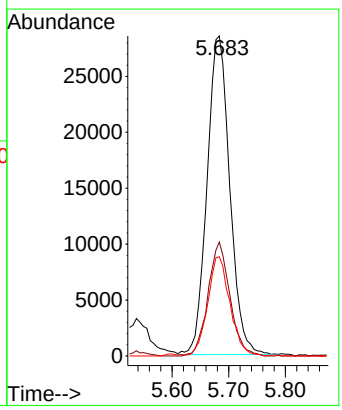


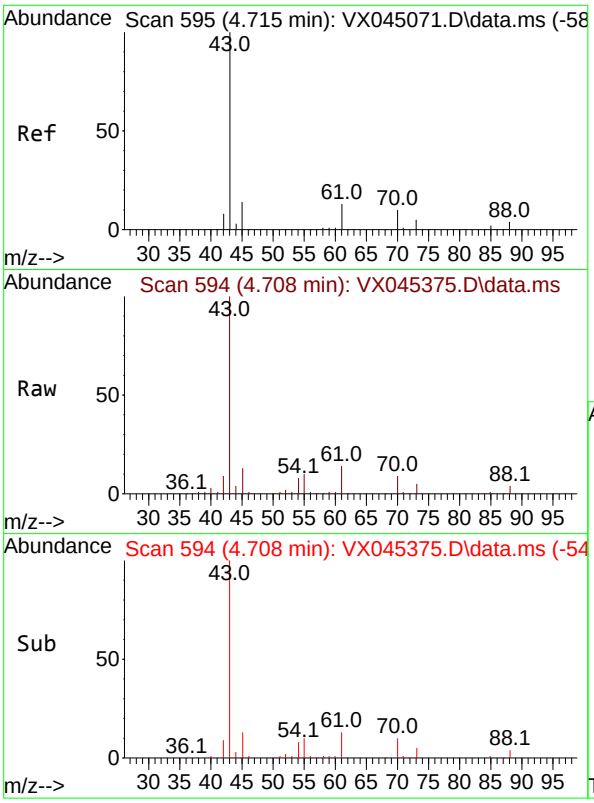


#36
1,1-Dichloropropene
Concen: 53.824 ug/l
RT: 5.683 min Scan# 754
Delta R.T. -0.007 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion: 75 Resp: 79271

Ion	Ratio	Lower	Upper
75	100		
110	34.4	16.9	50.6
77	30.6	24.5	36.7



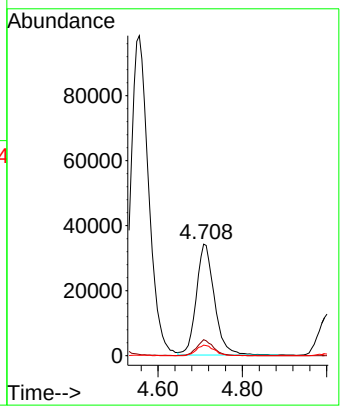


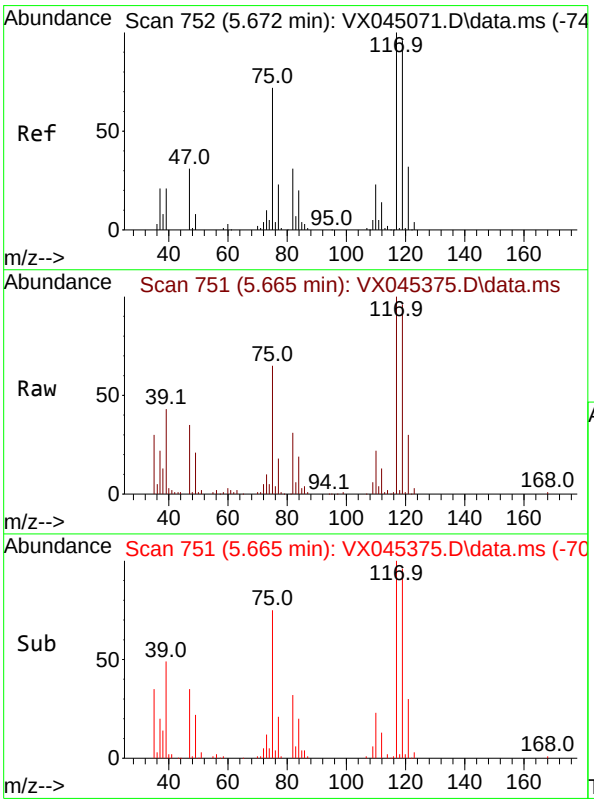
#37
Ethyl Acetate
Concen: 53.844 ug/l
RT: 4.708 min Scan# 5
Delta R.T. -0.007 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 102184

Ion	Ratio	Lower	Upper
43	100		
61	13.4	10.8	16.2
70	9.4	7.7	11.5

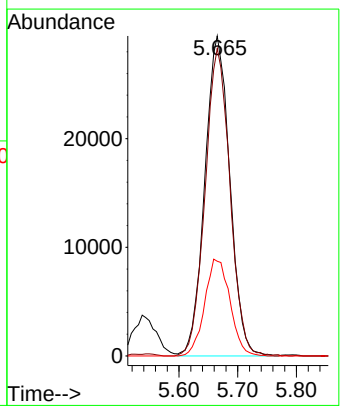


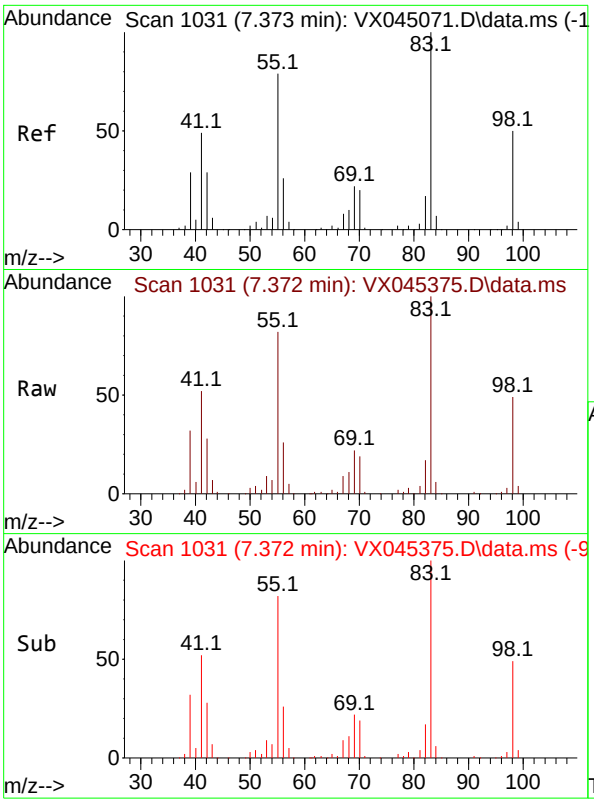


#38
Carbon Tetrachloride
Concen: 58.316 ug/l
RT: 5.665 min Scan# 751
Delta R.T. -0.007 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion:117 Resp: 87195

Ion	Ratio	Lower	Upper
117	100		
119	95.8	76.7	115.1
121	29.6	25.5	38.3



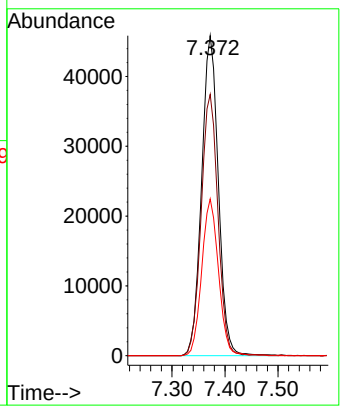


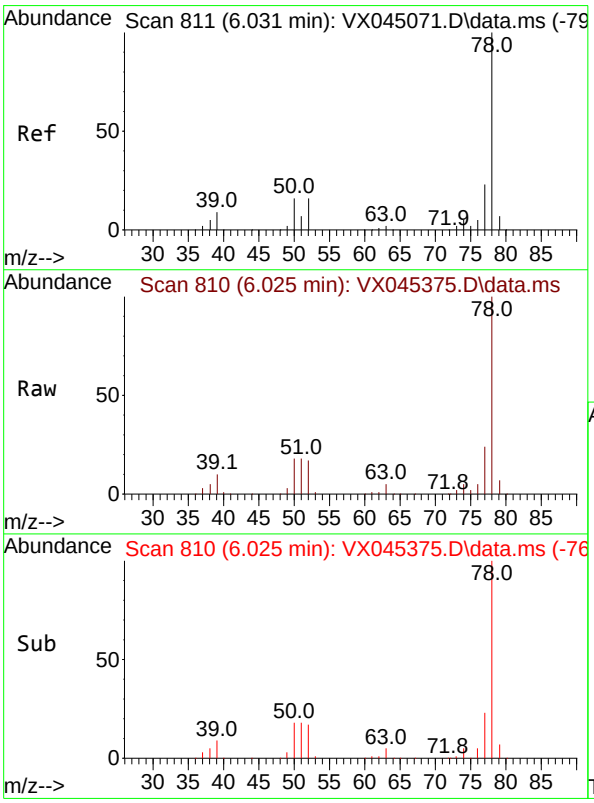
#39
Methylcyclohexane
Concen: 56.964 ug/l
RT: 7.372 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 100526

Ion	Ratio	Lower	Upper
83	100		
55	81.6	63.0	94.4
98	49.0	39.7	59.5

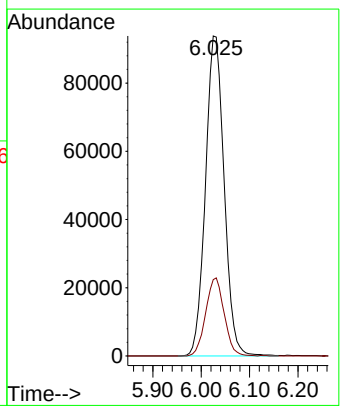


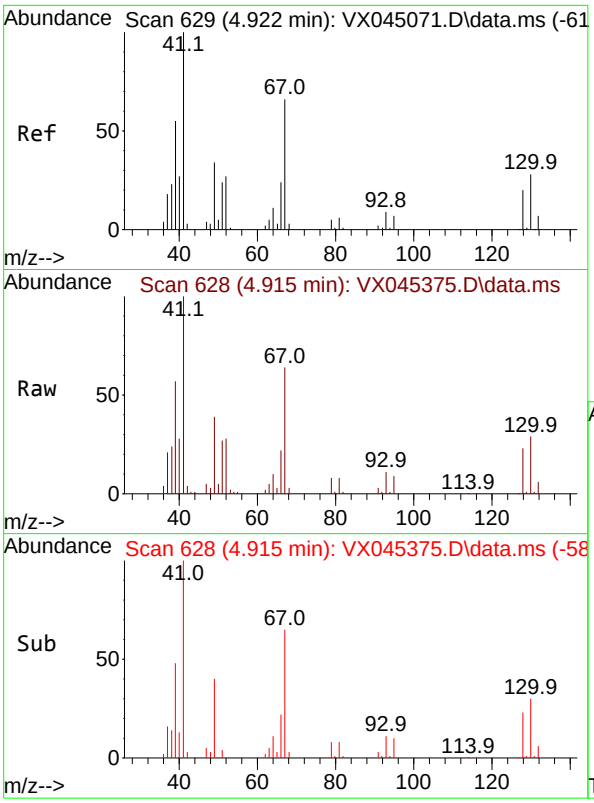


#40
Benzene
Concen: 54.071 ug/l
RT: 6.025 min Scan# 810
Delta R.T. -0.007 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion: 78 Resp: 251470

Ion	Ratio	Lower	Upper
78	100		
77	23.9	18.8	28.2



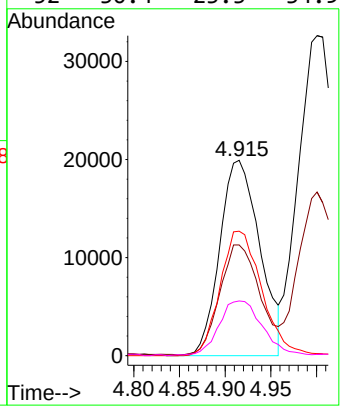


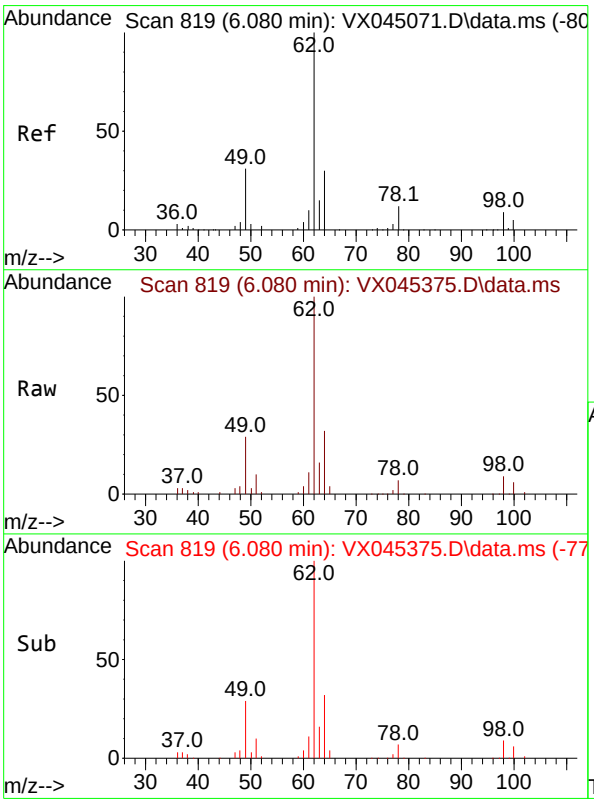
#41
Methacrylonitrile
Concen: 59.274 ug/l
RT: 4.915 min Scan# 6
Delta R.T. -0.007 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 41 Resp: 60824

Ion	Ratio	Lower	Upper
41	100		
39	56.3	44.6	67.0
67	66.6	53.9	80.9
52	30.4	23.3	34.9

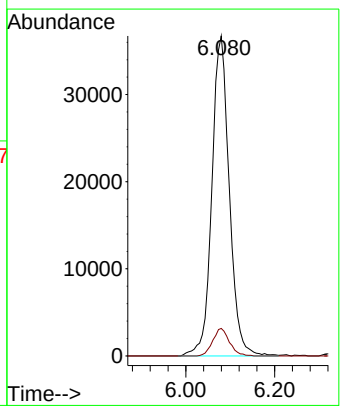


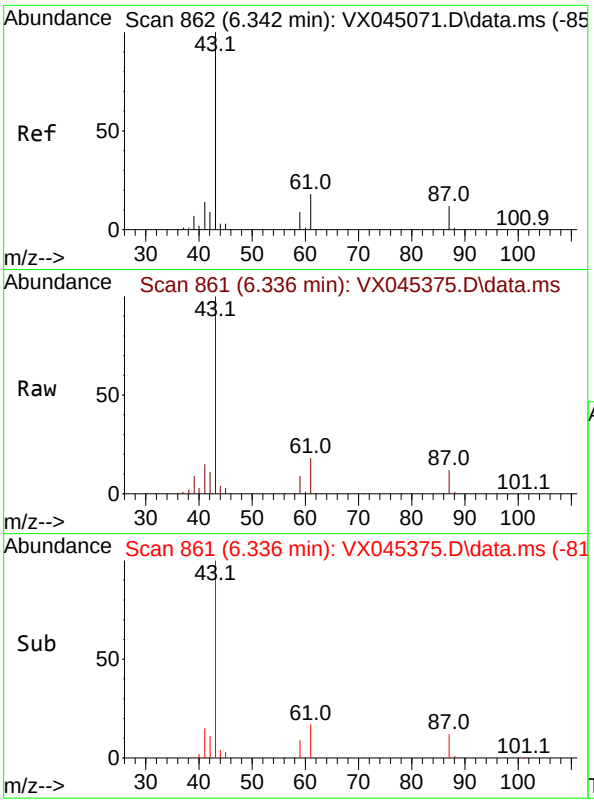


#42
1,2-Dichloroethane
Concen: 59.688 ug/l
RT: 6.080 min Scan# 819
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion: 62 Resp: 99960

Ion	Ratio	Lower	Upper
62	100		
98	8.2	0.0	18.2



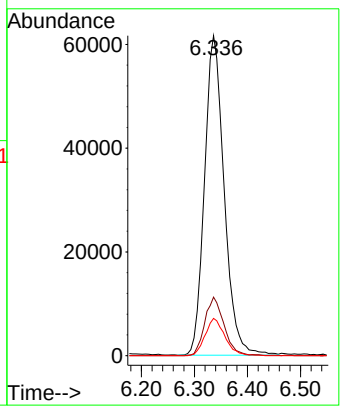


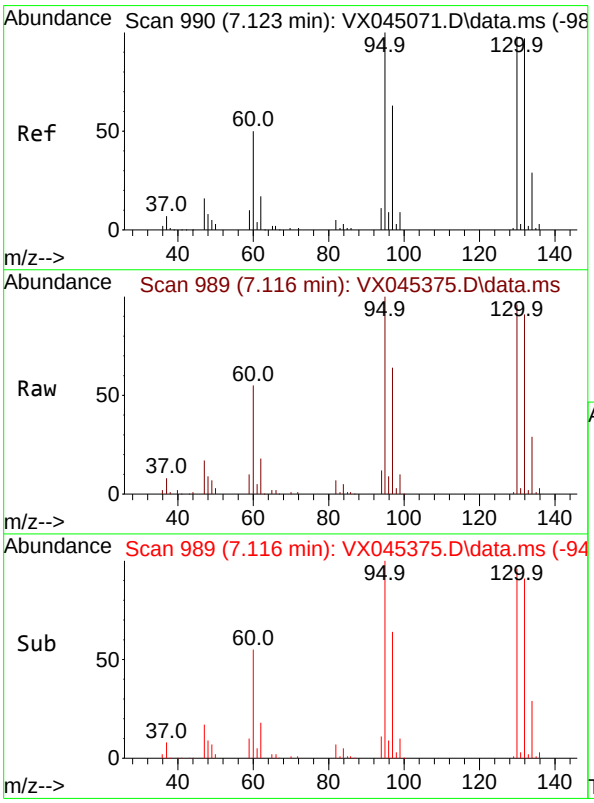
#43
Isopropyl Acetate
Concen: 56.586 ug/l
RT: 6.336 min Scan# 8
Delta R.T. -0.007 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 158796

Ion	Ratio	Lower	Upper
43	100		
61	18.0	14.9	22.3
87	11.7	9.4	14.2

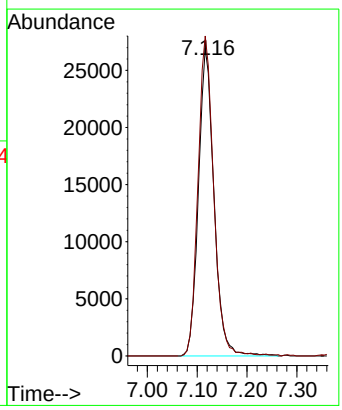


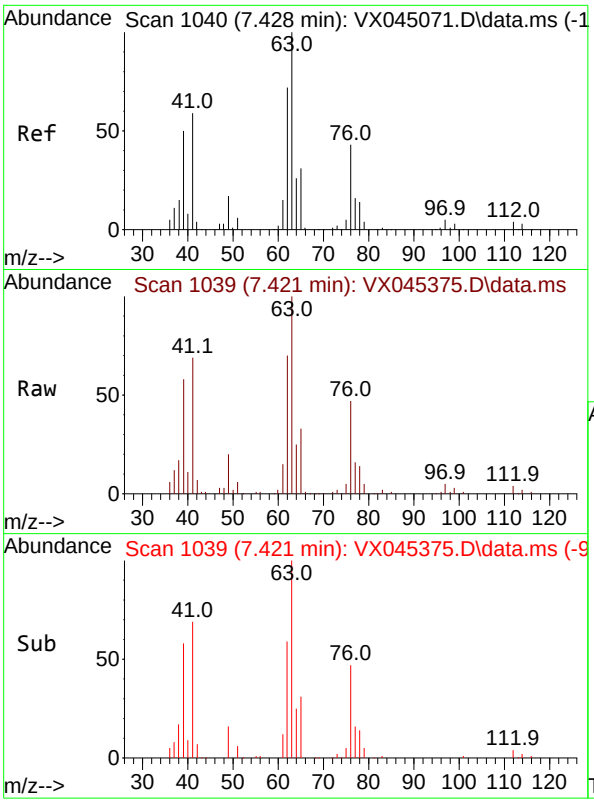


#44
Trichloroethene
Concen: 53.543 ug/l
RT: 7.116 min Scan# 989
Delta R.T. -0.007 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion:130 Resp: 58470

Ion	Ratio	Lower	Upper
130	100		
95	104.0	0.0	205.0



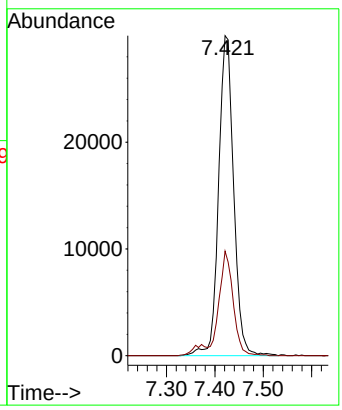


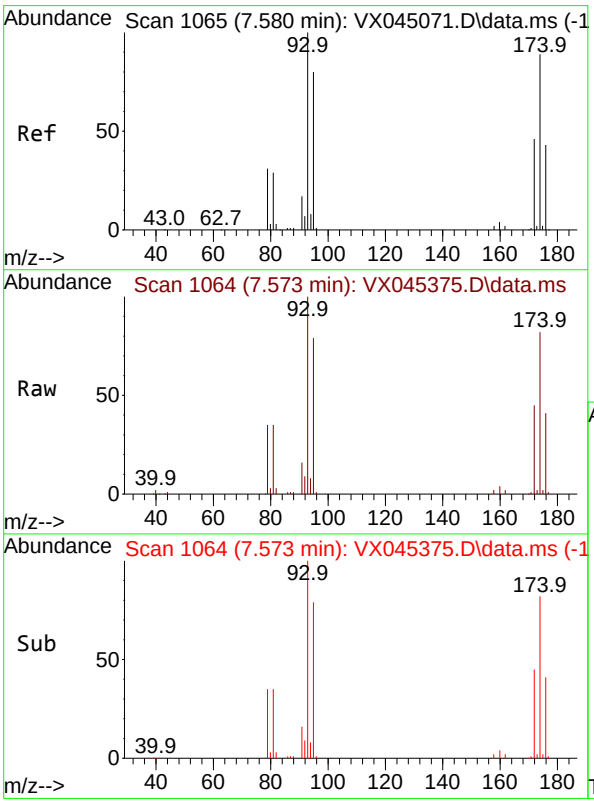
#45
1,2-Dichloropropane
Concen: 54.233 ug/l
RT: 7.421 min Scan# 1
Delta R.T. -0.007 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 63 Resp: 64849

Ion	Ratio	Lower	Upper
63	100		
65	32.6	24.7	37.1

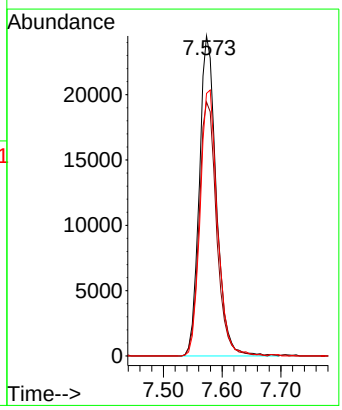


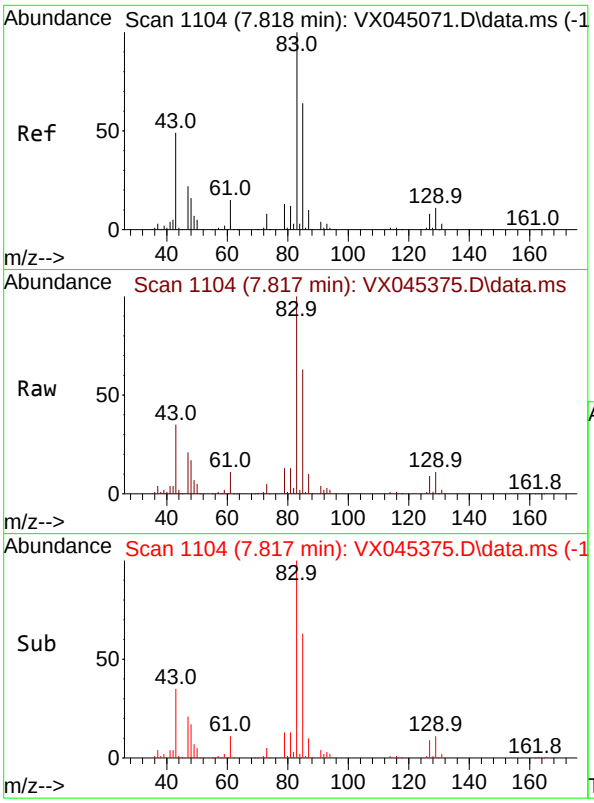


#46
Dibromomethane
Concen: 58.204 ug/l
RT: 7.573 min Scan# 1064
Delta R.T. -0.007 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion: 93 Resp: 49192

Ion	Ratio	Lower	Upper
93	100		
95	81.3	65.8	98.8
174	85.1	72.2	108.2



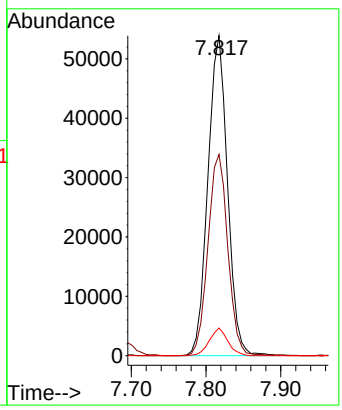


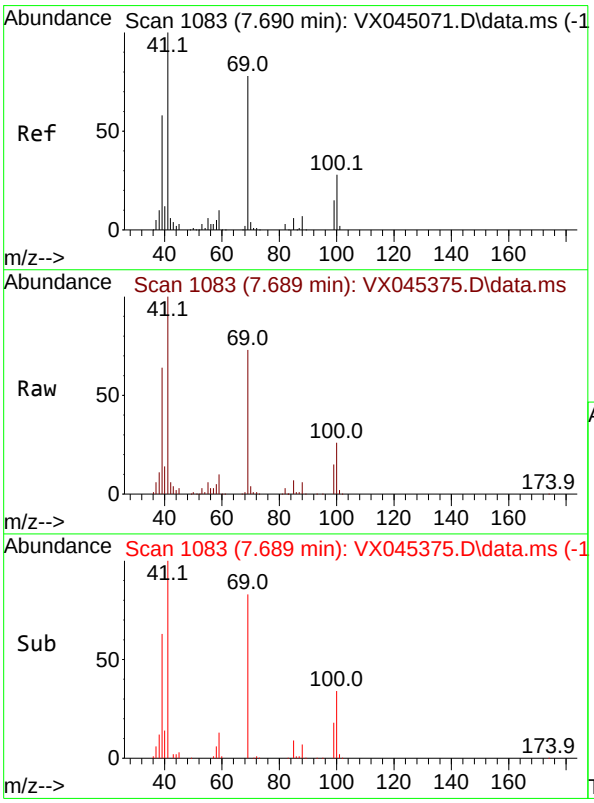
#47
Bromodichloromethane
Concen: 59.351 ug/l
RT: 7.817 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 98390

Ion	Ratio	Lower	Upper
83	100		
85	62.9	51.1	76.7
127	8.6	6.4	9.6

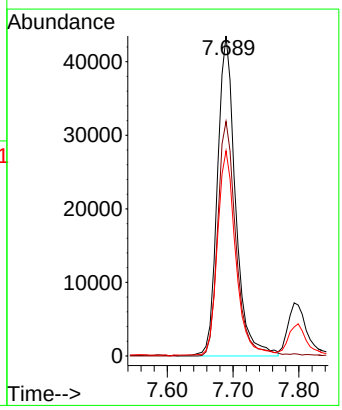


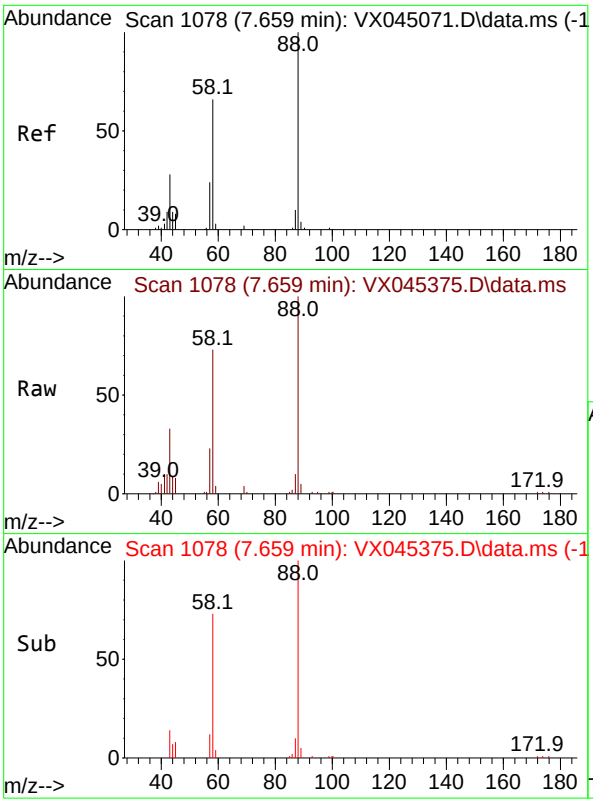


#48
Methyl methacrylate
Concen: 59.086 ug/l
RT: 7.689 min Scan# 1083
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion: 41 Resp: 83186

Ion	Ratio	Lower	Upper
41	100		
69	73.9	63.0	94.6
39	63.9	47.5	71.3



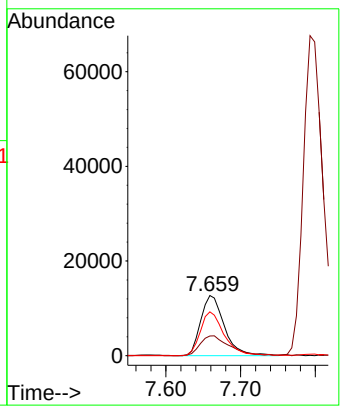


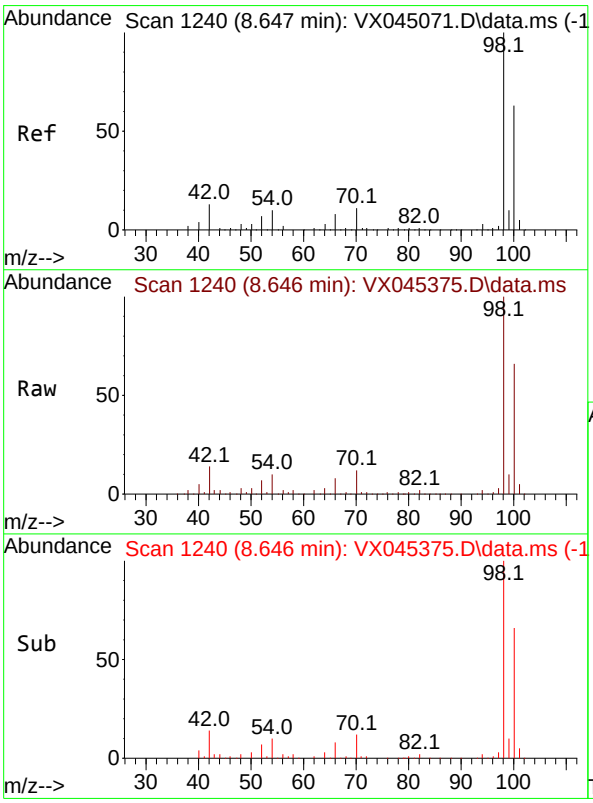
#49
1,4-Dioxane
Concen: 938.459 ug/l
RT: 7.659 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 88 Resp: 27870

Ion	Ratio	Lower	Upper
88	100		
43	41.4	28.7	43.1
58	73.8	55.8	83.8

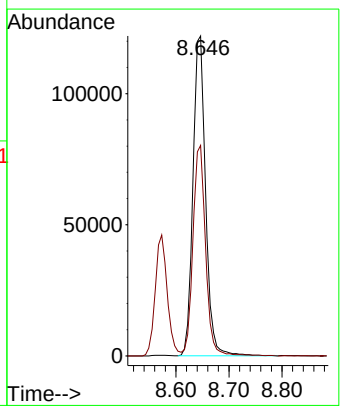


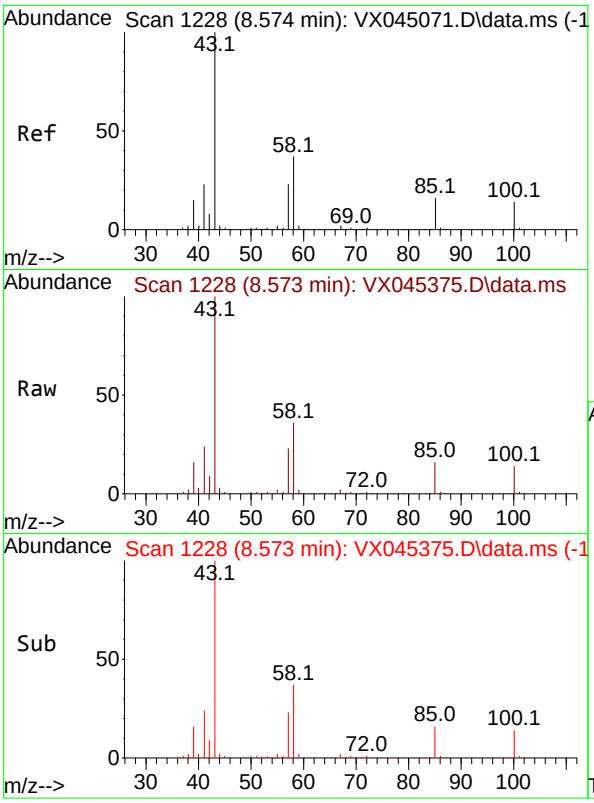


#50
Toluene-d8
Concen: 51.765 ug/l
RT: 8.646 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion: 98 Resp: 201541

Ion	Ratio	Lower	Upper
98	100		
100	65.7	52.0	78.0



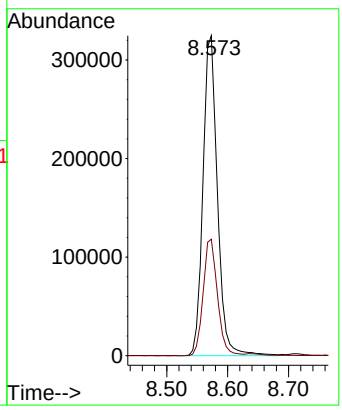


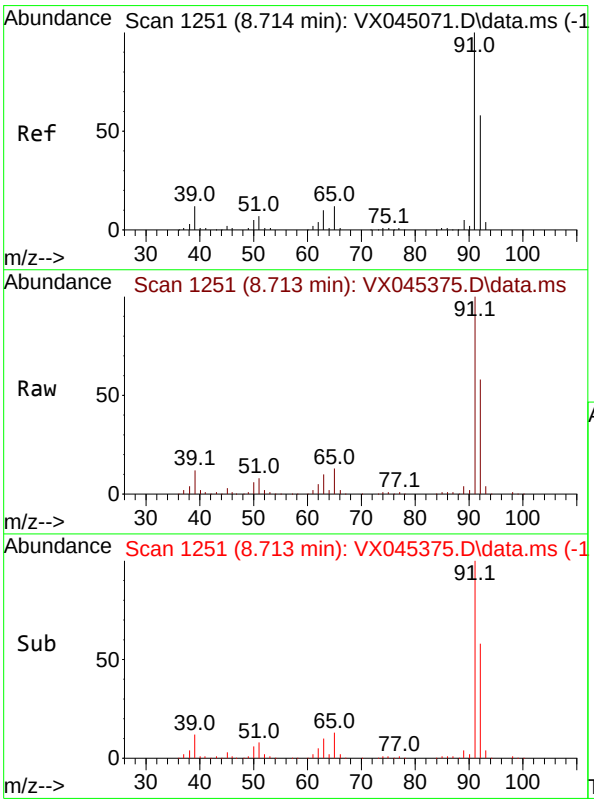
#51
4-Methyl-2-Pentanone
Concen: 284.145 ug/l
RT: 8.573 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 535400

Ion	Ratio	Lower	Upper
43	100		
58	36.2	29.2	43.8

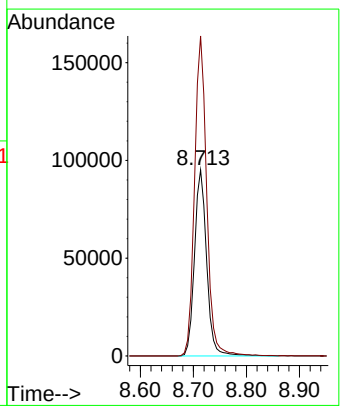


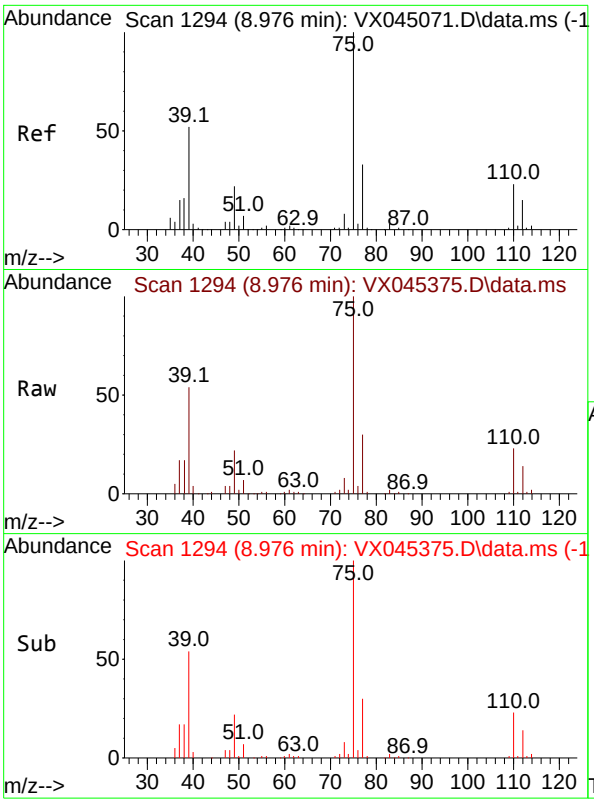


#52
Toluene
Concen: 55.490 ug/l
RT: 8.713 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion: 92 Resp: 151414

Ion	Ratio	Lower	Upper
92	100		
91	171.7	138.9	208.3



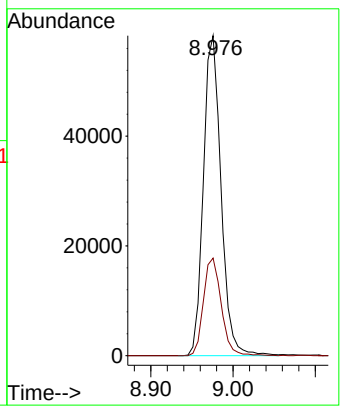


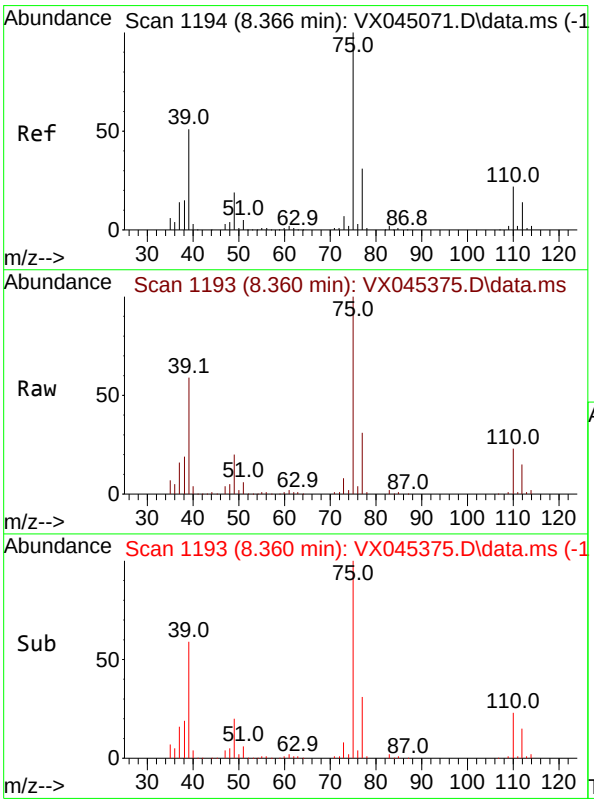
#53
t-1,3-Dichloropropene
Concen: 62.714 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 86916

Ion	Ratio	Lower	Upper
75	100		
77	30.5	26.5	39.7

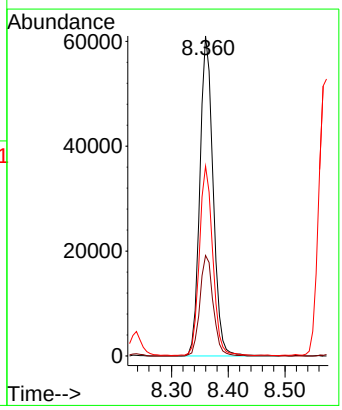


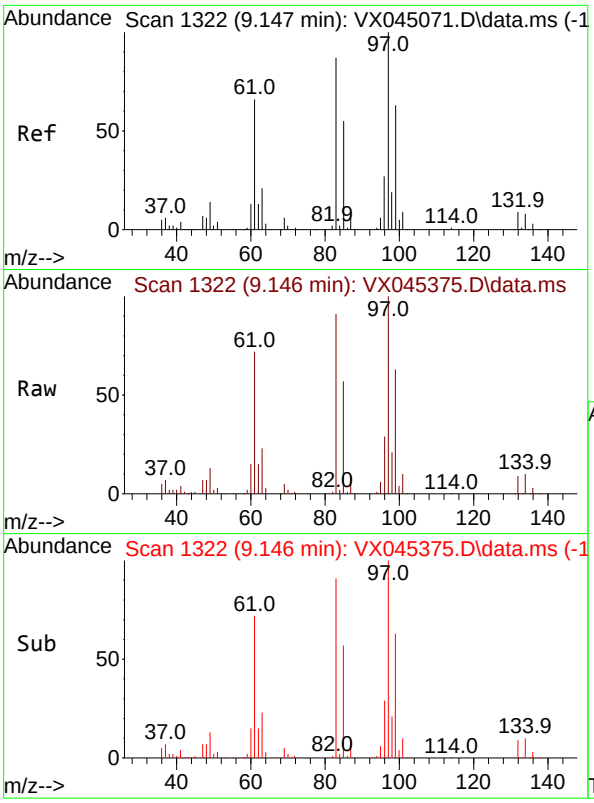


#54
cis-1,3-Dichloropropene
Concen: 61.078 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. -0.007 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion: 75 Resp: 98708

Ion	Ratio	Lower	Upper
75	100		
77	31.4	24.7	37.1
39	59.2	40.7	61.1



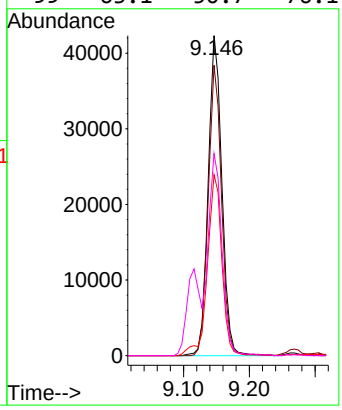


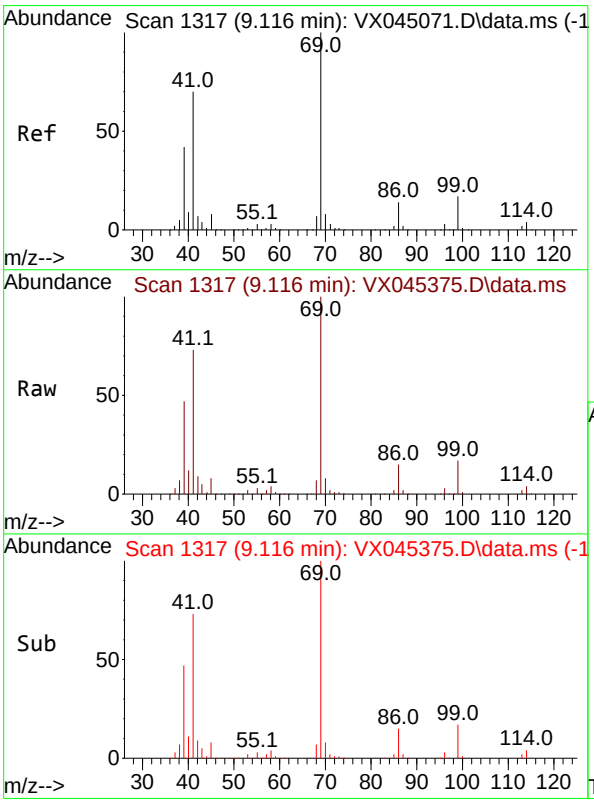
#55
1,1,2-Trichloroethane
Concen: 54.637 ug/l
RT: 9.146 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 97 Resp: 61375

Ion	Ratio	Lower	Upper
97	100		
83	90.8	69.4	104.2
85	56.5	44.1	66.1
99	63.1	50.7	76.1

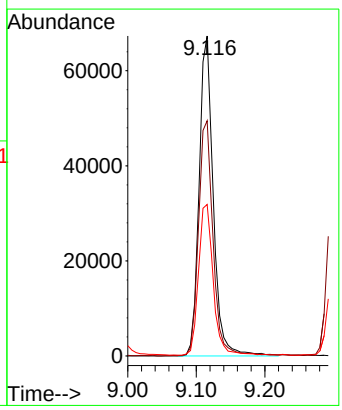


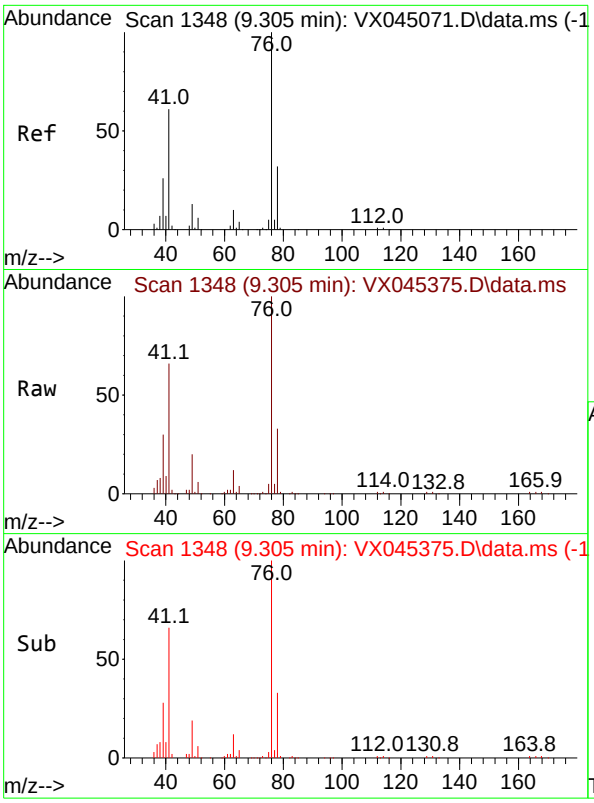


#56
Ethyl methacrylate
Concen: 56.775 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion: 69 Resp: 96944

Ion	Ratio	Lower	Upper
69	100		
41	75.9	57.0	85.4
39	49.0	34.2	51.4



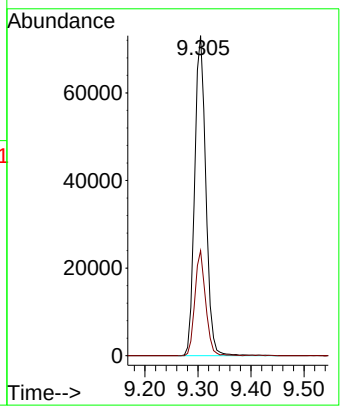


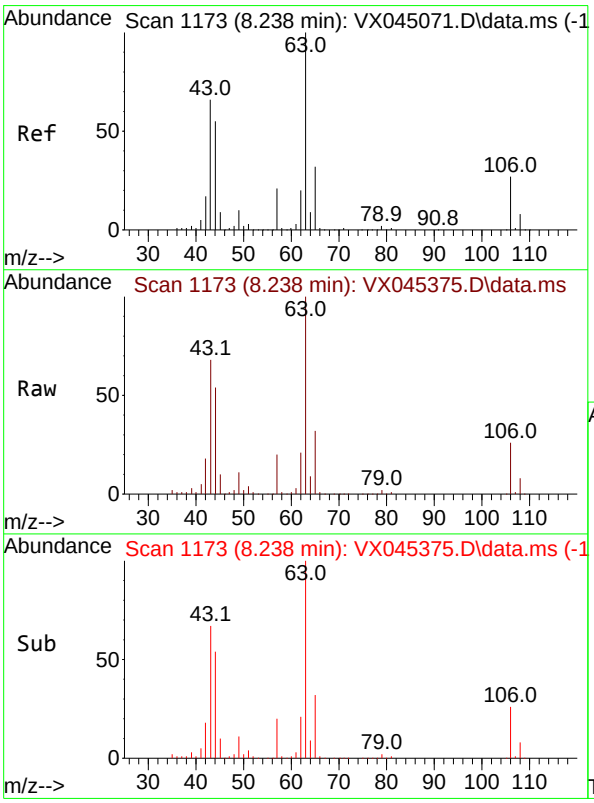
#57
1,3-Dichloropropane
Concen: 54.996 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 106911

Ion	Ratio	Lower	Upper
76	100		
78	31.5	25.5	38.3

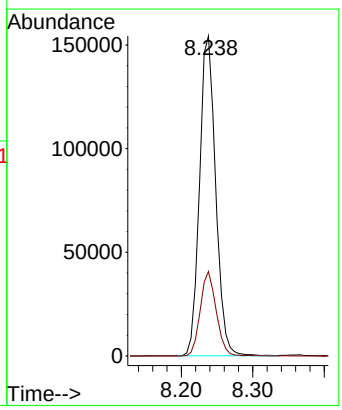


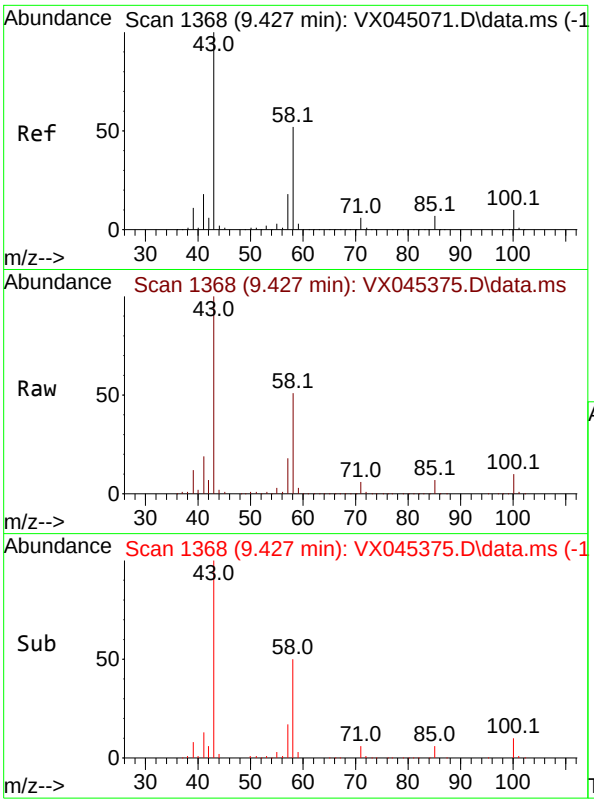


#58
2-Chloroethyl Vinyl ether
Concen: 290.277 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion: 63 Resp: 241784

Ion	Ratio	Lower	Upper
63	100		
106	26.1	21.5	32.3



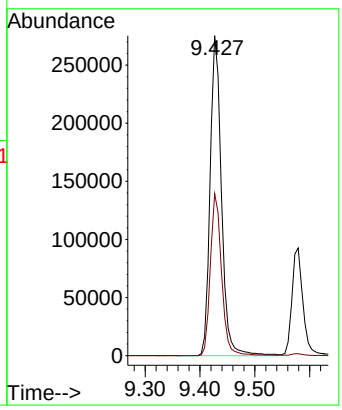


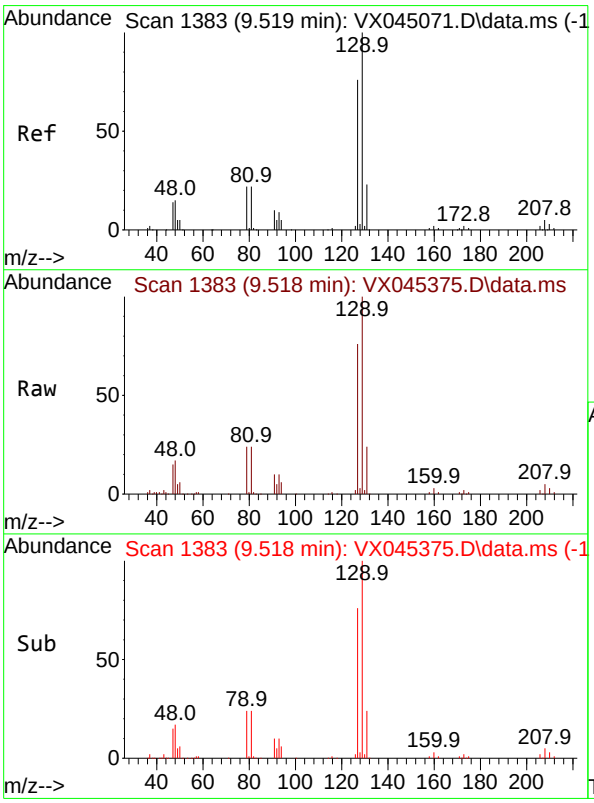
#59
2-Hexanone
Concen: 289.177 ug/l
RT: 9.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 394789

Ion	Ratio	Lower	Upper
43	100		
58	50.2	25.9	77.6

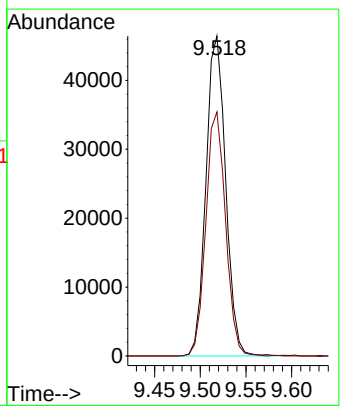


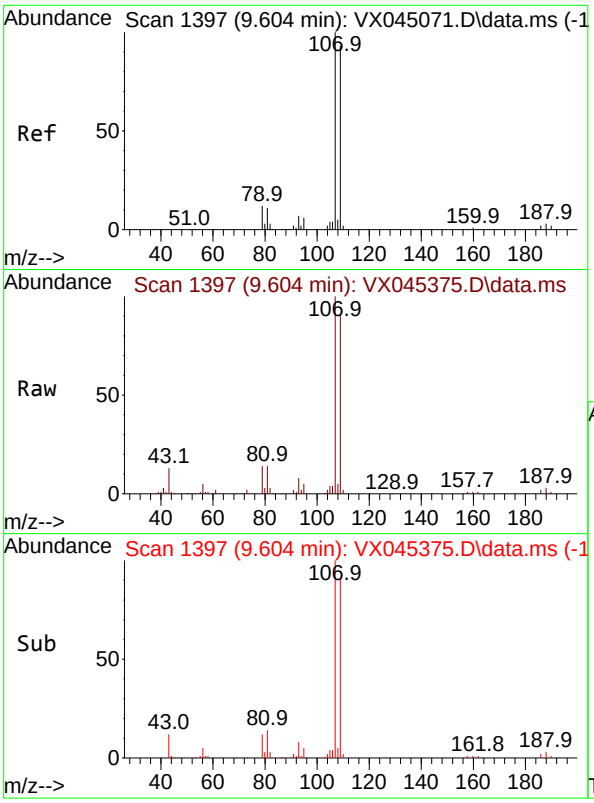


#60
Dibromochloromethane
Concen: 59.051 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion:129 Resp: 69357

Ion	Ratio	Lower	Upper
129	100		
127	76.3	38.5	115.5



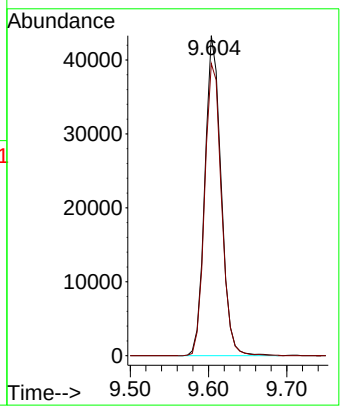


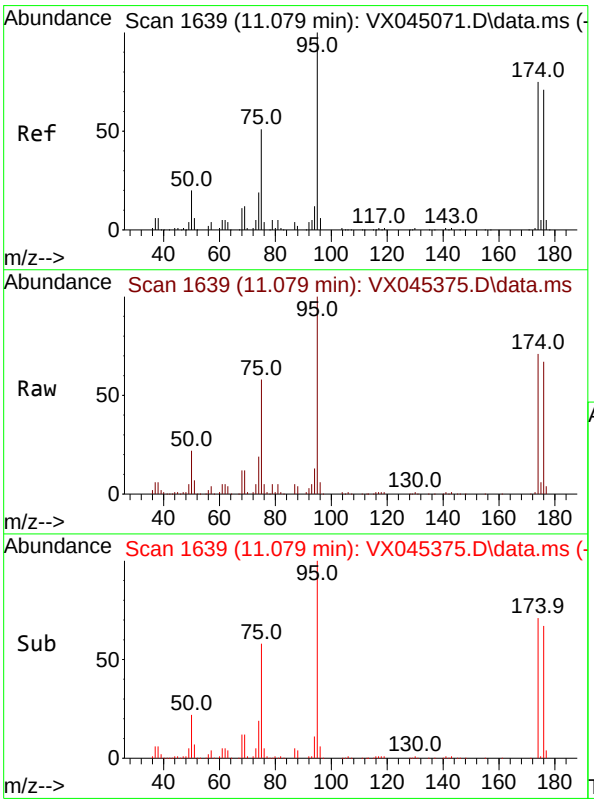
#61
1,2-Dibromoethane
Concen: 55.474 ug/l
RT: 9.604 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:107 Resp: 62209

Ion	Ratio	Lower	Upper
107	100		
109	94.4	76.1	114.1

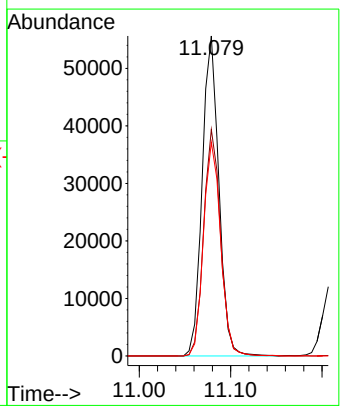


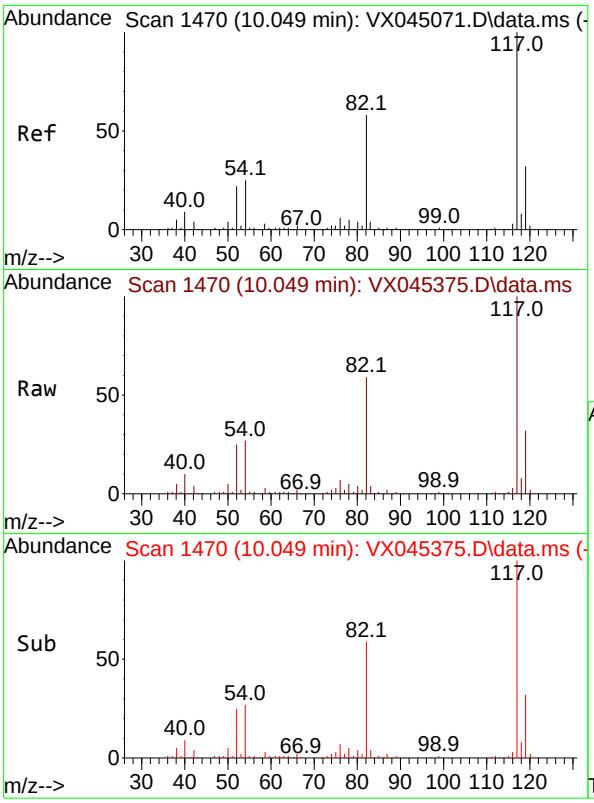


#62
4-Bromofluorobenzene
Concen: 54.537 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion: 95 Resp: 70360

Ion	Ratio	Lower	Upper
95	100		
174	71.3	0.0	148.2
176	68.7	0.0	141.4



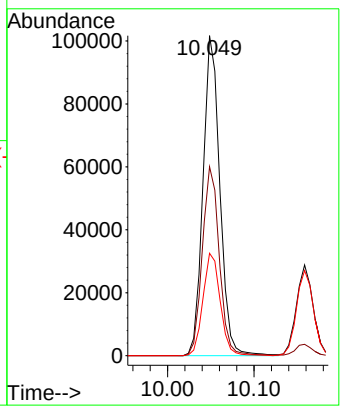


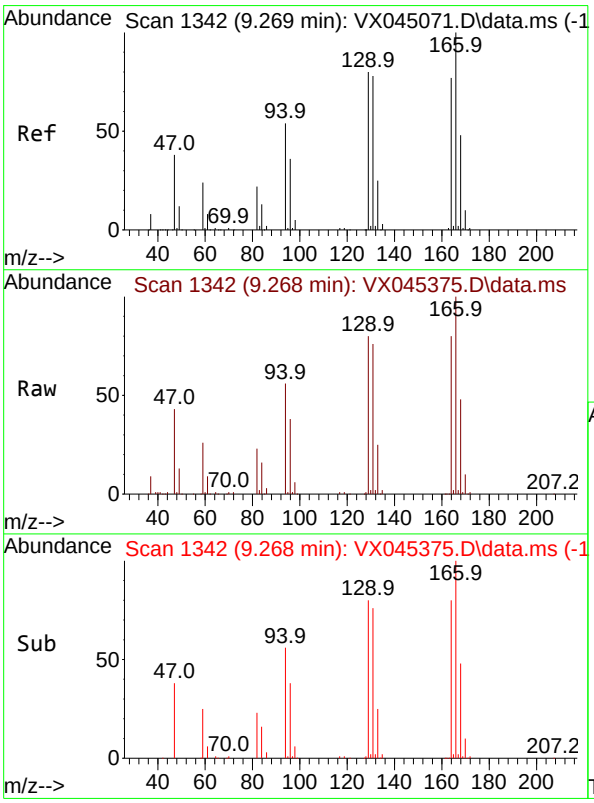
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:117 Resp: 137508

Ion	Ratio	Lower	Upper
117	100		
82	59.1	46.3	69.5
119	32.0	25.7	38.5

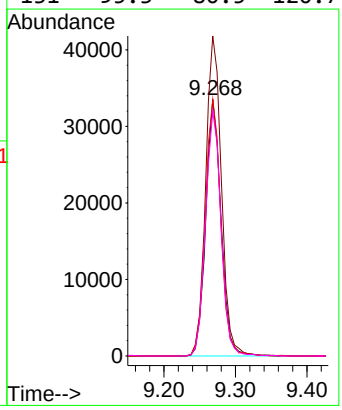


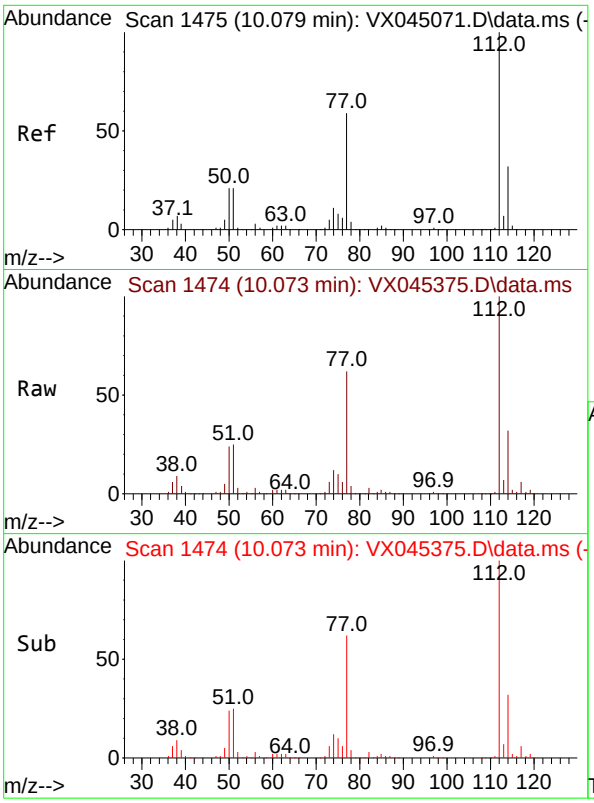


#64
Tetrachloroethene
Concen: 56.573 ug/l
RT: 9.268 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion:164 Resp: 49823

Ion	Ratio	Lower	Upper
164	100		
166	124.7	103.6	155.4
129	100.1	82.7	124.1
131	95.3	80.5	120.7



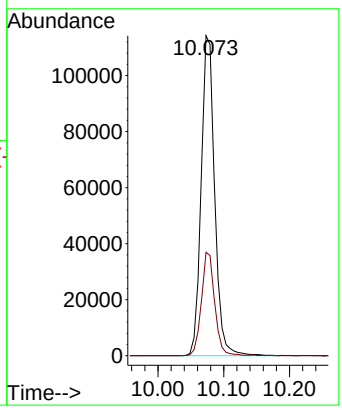


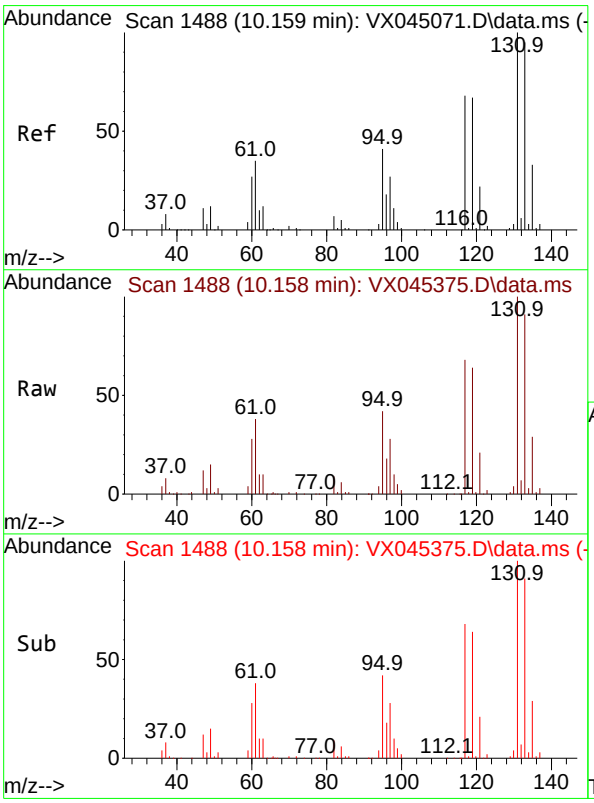
#65
Chlorobenzene
Concen: 56.091 ug/l
RT: 10.073 min Scan# 14
Delta R.T. -0.007 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:112 Resp: 163205

Ion	Ratio	Lower	Upper
112	100		
114	32.3	26.0	39.0

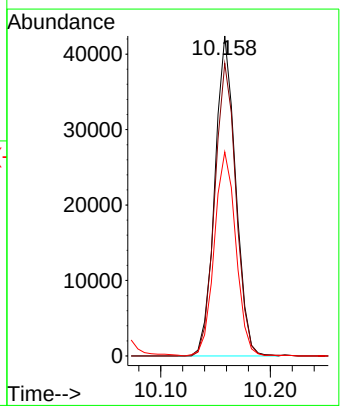


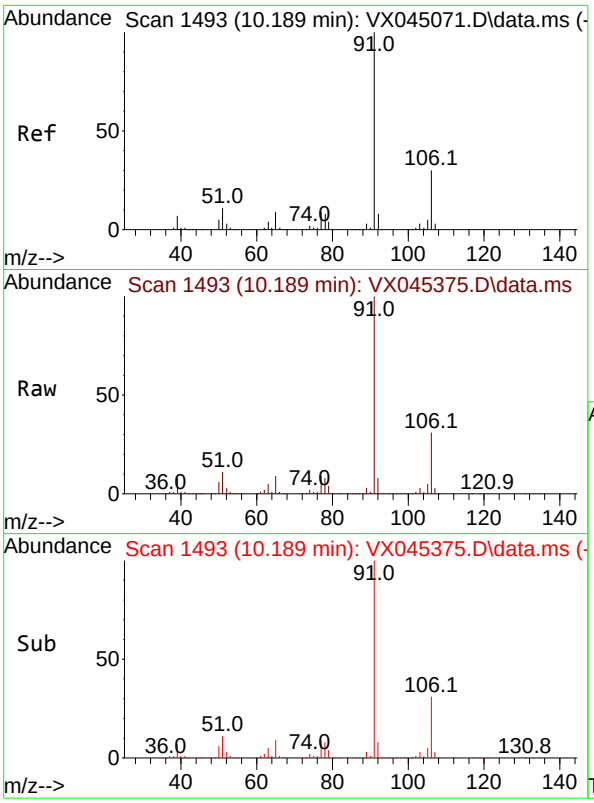


#66
1,1,1,2-Tetrachloroethane
Concen: 57.796 ug/l
RT: 10.158 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion:131 Resp: 56003

Ion	Ratio	Lower	Upper
131	100		
133	93.3	48.6	145.9
119	66.0	33.9	101.7



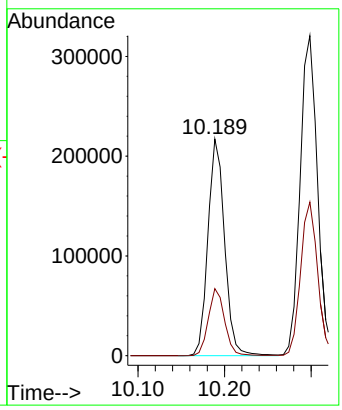


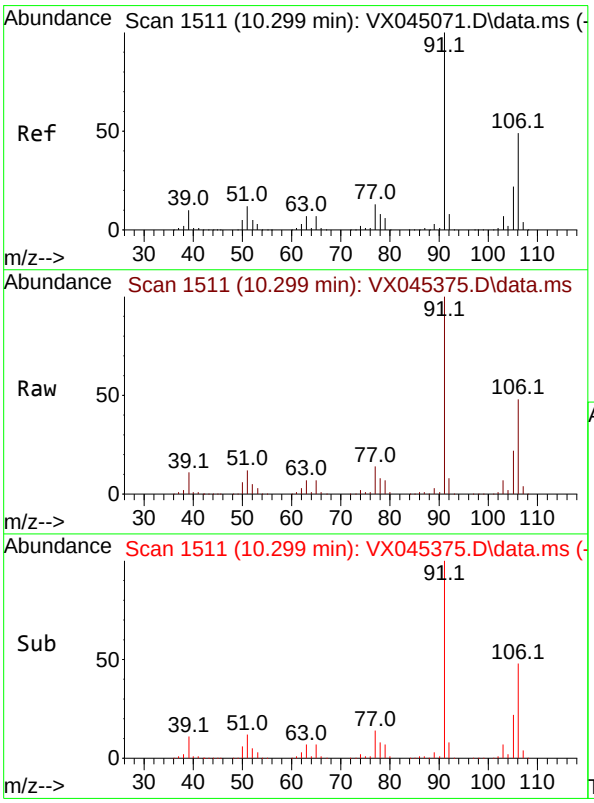
#67
Ethyl Benzene
Concen: 57.291 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 290458

Ion	Ratio	Lower	Upper
91	100		
106	30.9	23.9	35.9

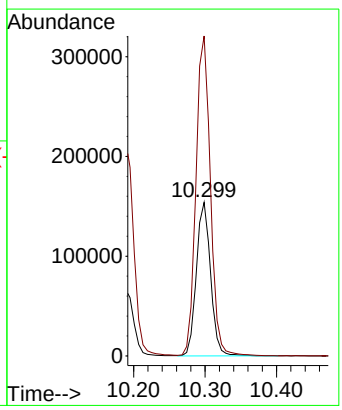


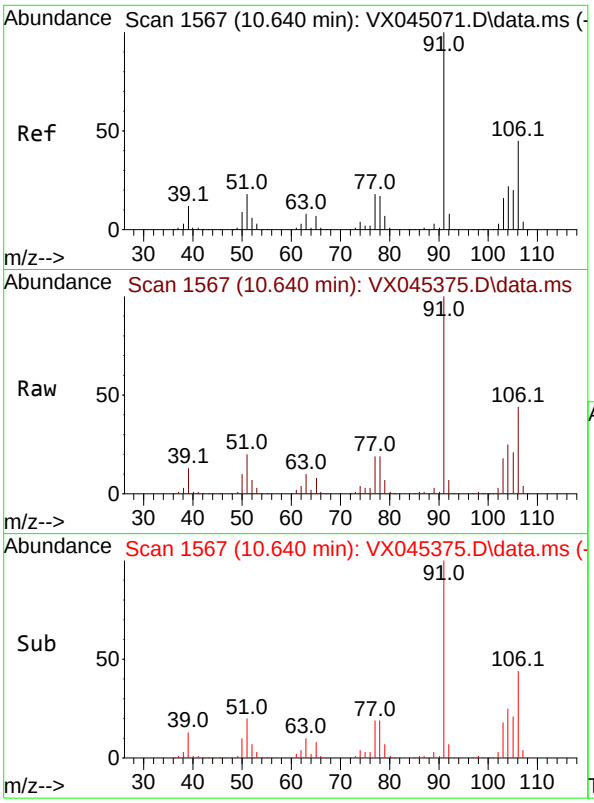


#68
m/p-Xylenes
Concen: 114.295 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion:106 Resp: 212125

Ion	Ratio	Lower	Upper
106	100		
91	212.1	165.4	248.0



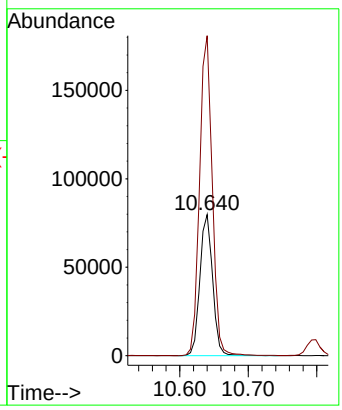


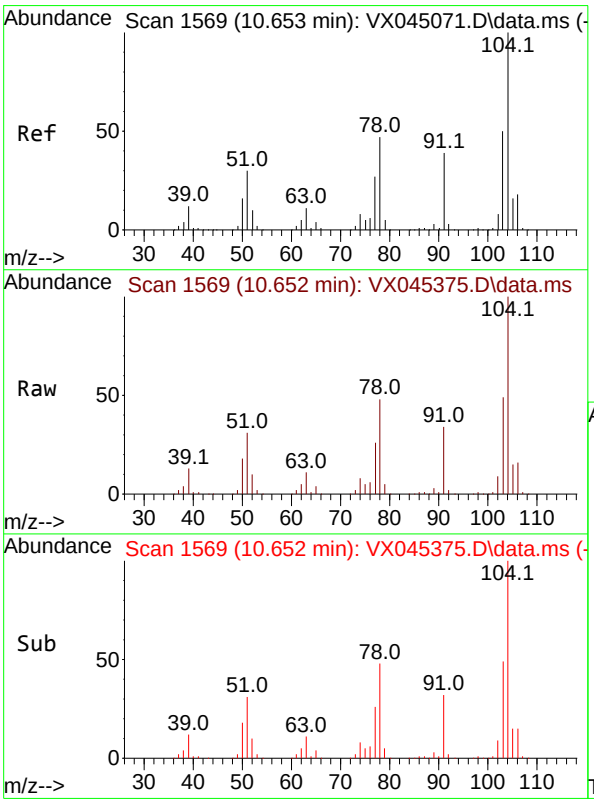
#69
o-Xylene
Concen: 55.079 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:106 Resp: 103100

Ion	Ratio	Lower	Upper
106	100		
91	226.2	109.9	329.6

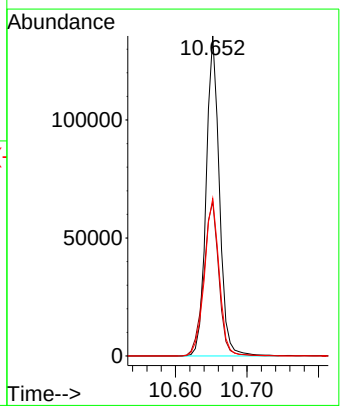


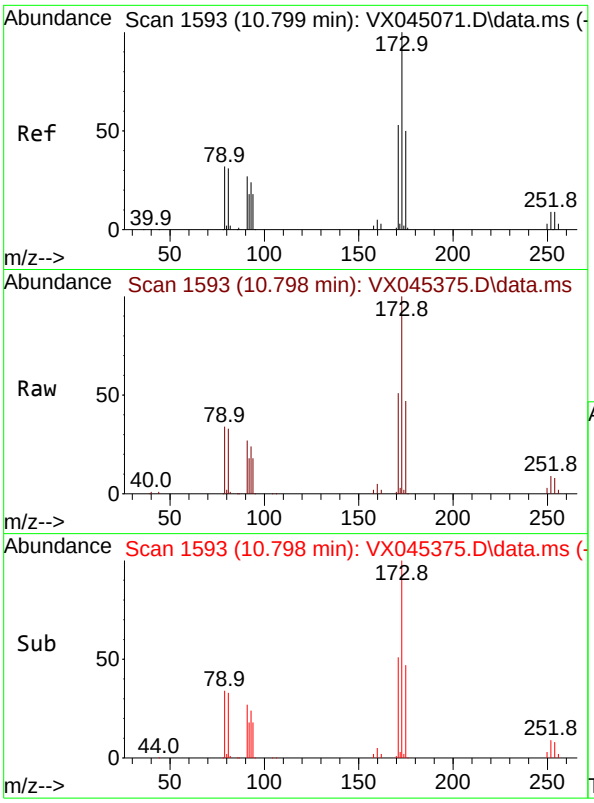


#70
Styrene
Concen: 57.615 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion:104 Resp: 174503

Ion	Ratio	Lower	Upper
104	100		
78	54.9	42.2	63.4
103	54.9	43.8	65.8



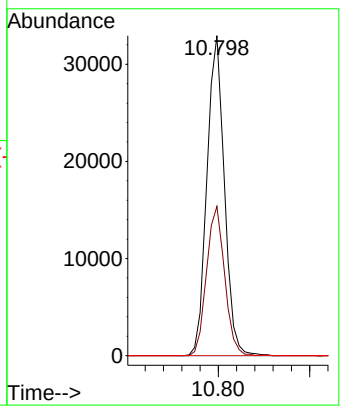


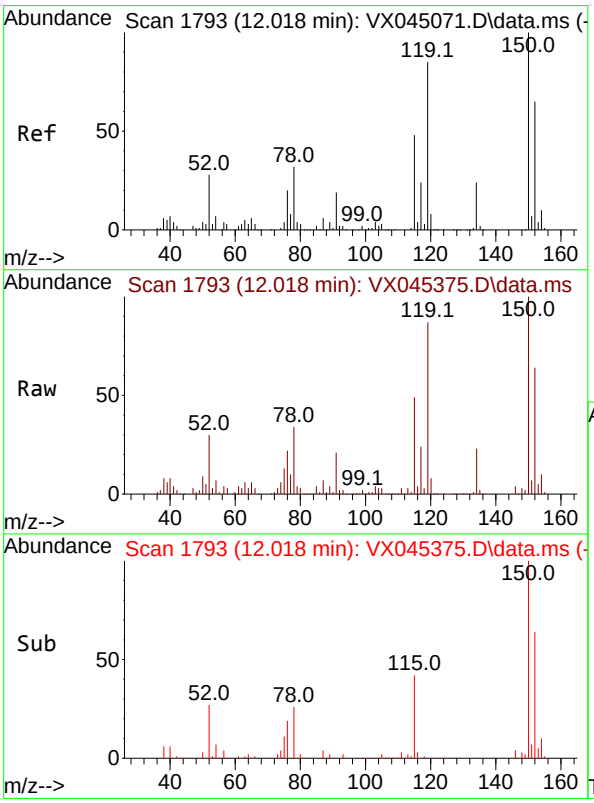
#71
Bromoform
Concen: 59.529 ug/l
RT: 10.798 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:173 Resp: 43497

Ion	Ratio	Lower	Upper
173	100		
175	48.4	24.6	73.6
254	0.0	0.0	0.0

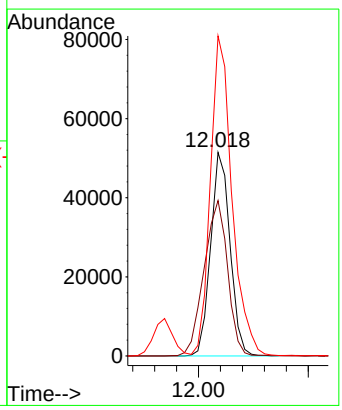


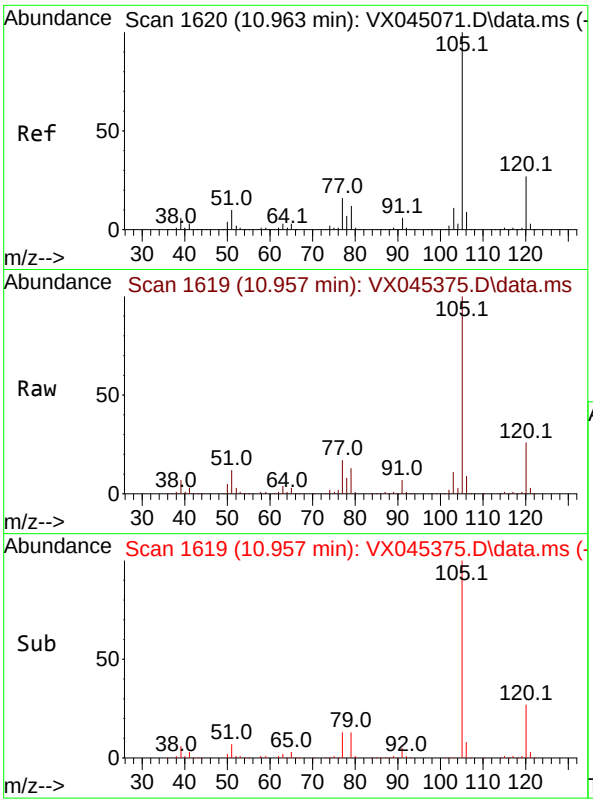


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion:152 Resp: 63153

Ion	Ratio	Lower	Upper
152	100		
115	92.9	44.2	132.6
150	176.1	0.0	349.0



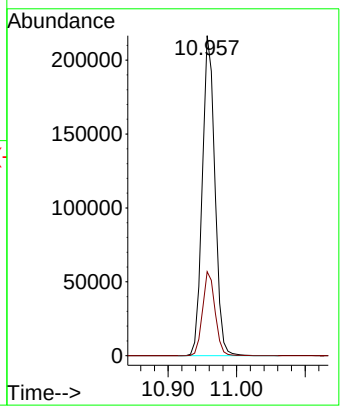


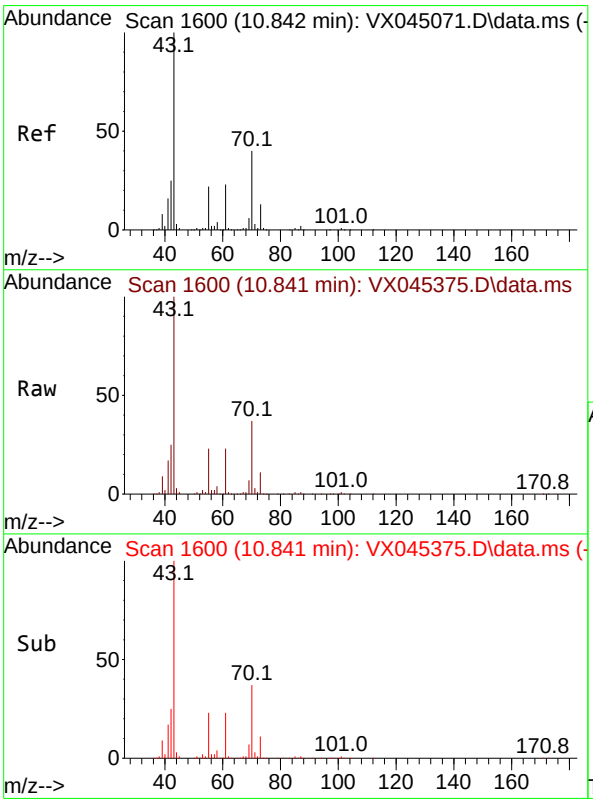
#73
Isopropylbenzene
Concen: 56.299 ug/l
RT: 10.957 min Scan# 1
Delta R.T. -0.007 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:105 Resp: 277512

Ion	Ratio	Lower	Upper
105	100		
120	26.0	13.2	39.5

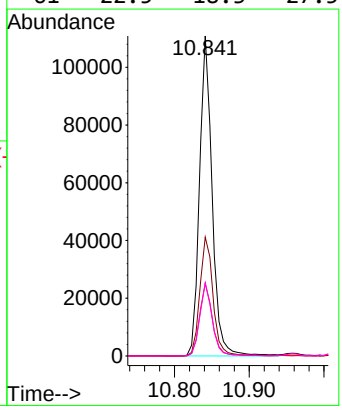


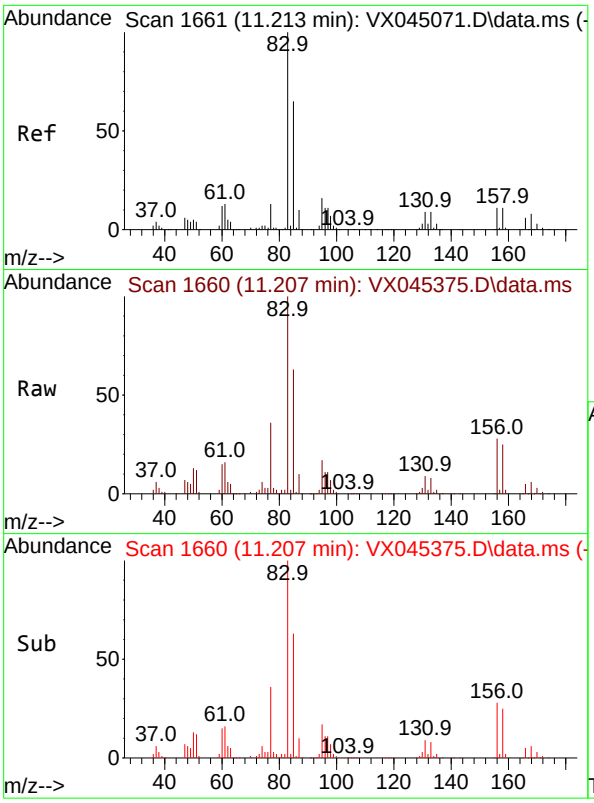


#74
N-amyl acetate
Concen: 56.311 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion: 43 Resp: 130246

Ion	Ratio	Lower	Upper
43	100		
70	39.1	31.8	47.6
55	23.2	18.3	27.5
61	22.5	18.3	27.5



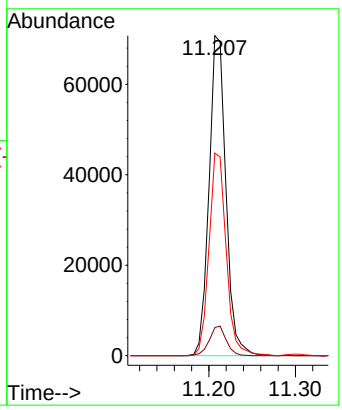


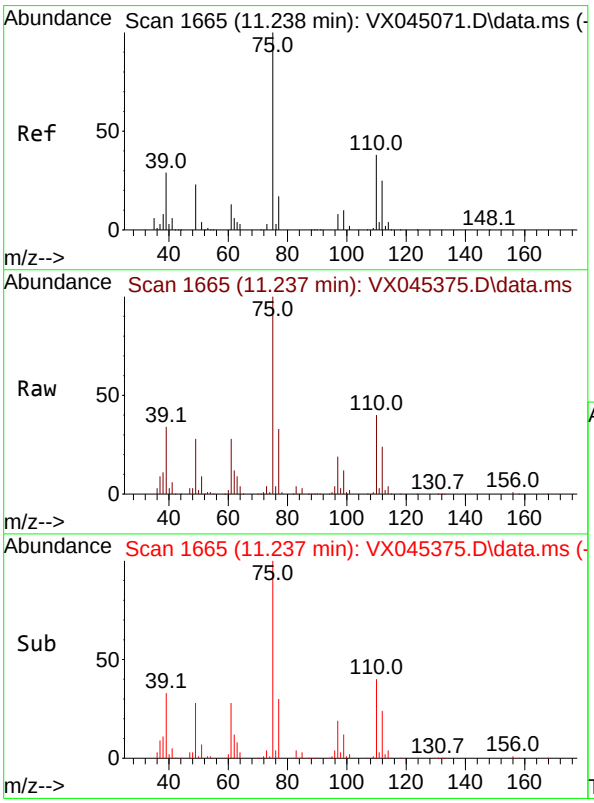
#75
1,1,2,2-Tetrachloroethane
Concen: 53.043 ug/l
RT: 11.207 min Scan# 1
Delta R.T. -0.007 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 95947

Ion	Ratio	Lower	Upper
83	100		
131	9.3	4.5	13.4
85	64.1	31.7	95.1

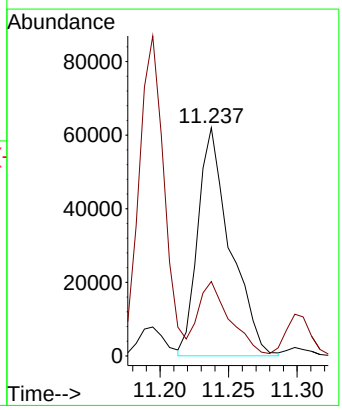


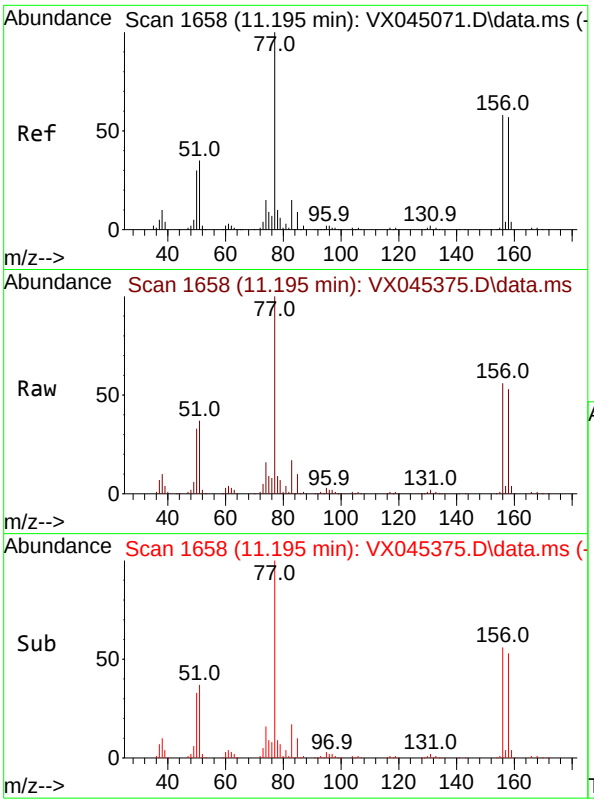


#76
1,2,3-Trichloropropane
Concen: 69.413 ug/l
RT: 11.237 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion: 75 Resp: 102030

Ion	Ratio	Lower	Upper
75	100		
77	32.1	20.7	62.1



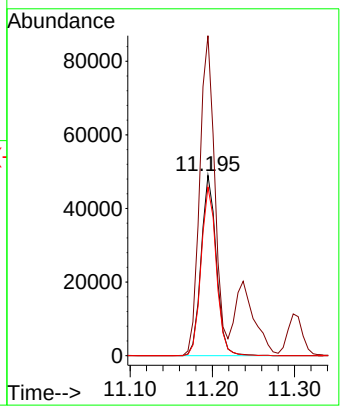


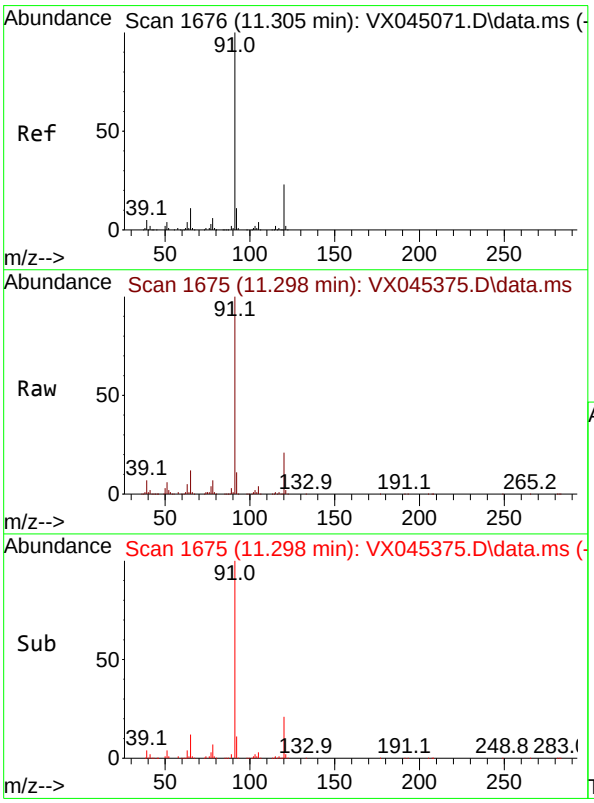
#77
Bromobenzene
Concen: 53.787 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:156 Resp: 62556

Ion	Ratio	Lower	Upper
156	100		
77	177.8	85.8	257.4
158	94.3	48.4	145.2

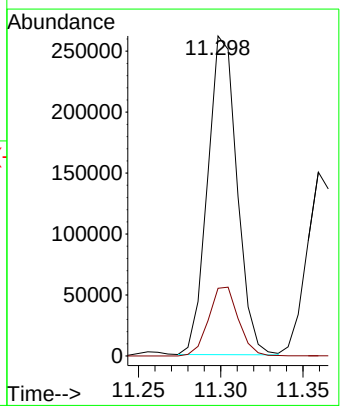


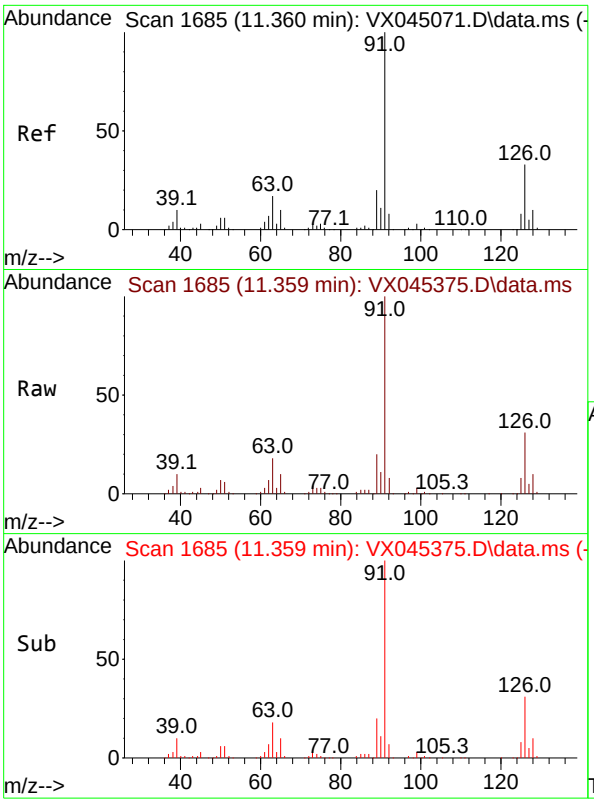


#78
n-propylbenzene
Concen: 58.471 ug/l
RT: 11.298 min Scan# 1675
Delta R.T. -0.007 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion: 91 Resp: 325584

Ion	Ratio	Lower	Upper
91	100		
120	21.9	11.2	33.6



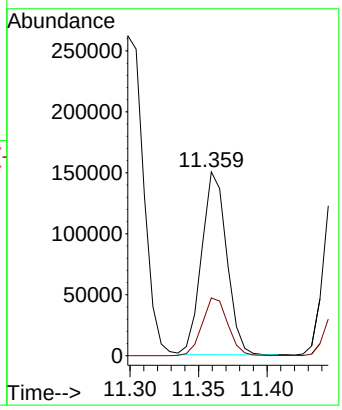


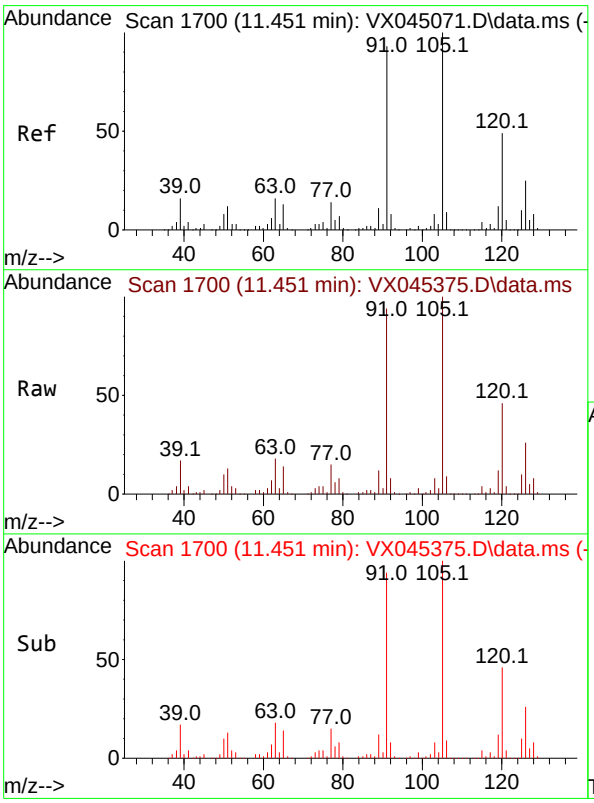
#79
2-Chlorotoluene
Concen: 53.953 ug/l
RT: 11.359 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 191329

Ion	Ratio	Lower	Upper
91	100		
126	32.4	16.4	49.4

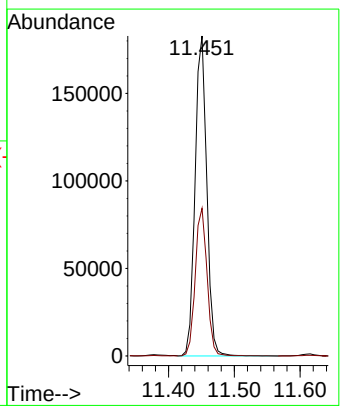


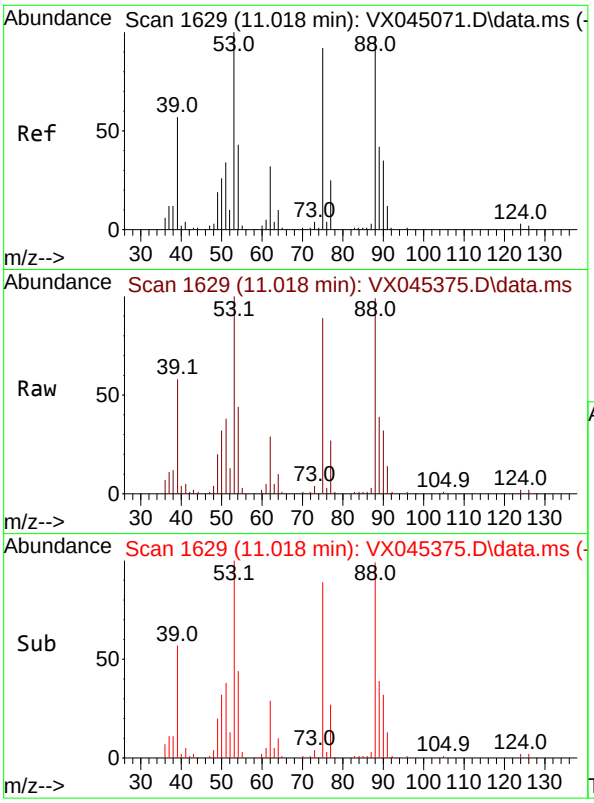


#80
1,3,5-Trimethylbenzene
Concen: 56.669 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion:105 Resp: 225866

Ion	Ratio	Lower	Upper
105	100		
120	46.6	24.1	72.2



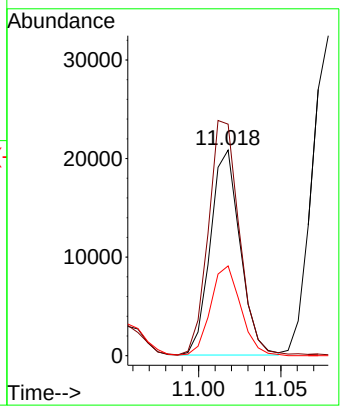


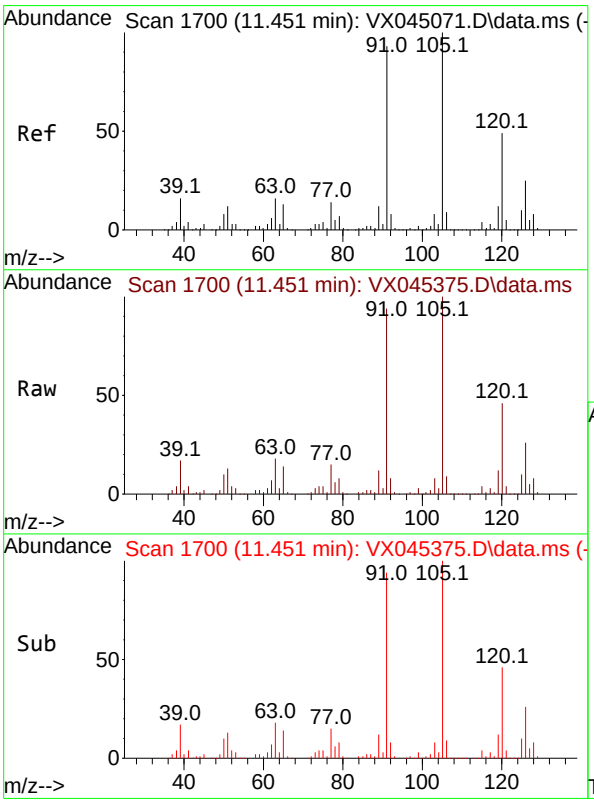
#81
trans-1,4-Dichloro-2-butene
Concen: 61.185 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 26280

Ion	Ratio	Lower	Upper
75	100		
53	120.0	88.5	132.7
89	44.4	36.2	54.4

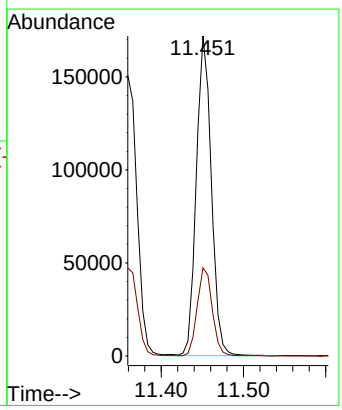


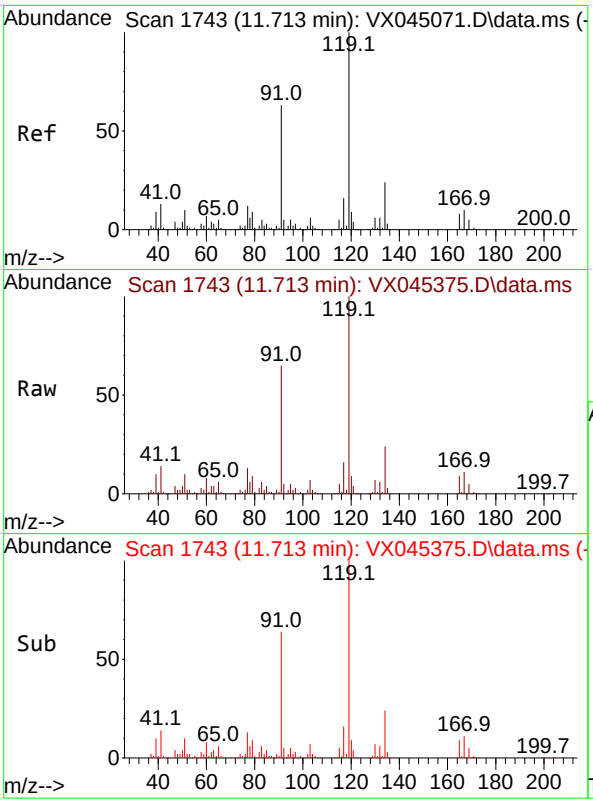


#82
4-Chlorotoluene
Concen: 56.390 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion: 91 Resp: 217941

Ion	Ratio	Lower	Upper
91	100		
126	27.8	14.1	42.4



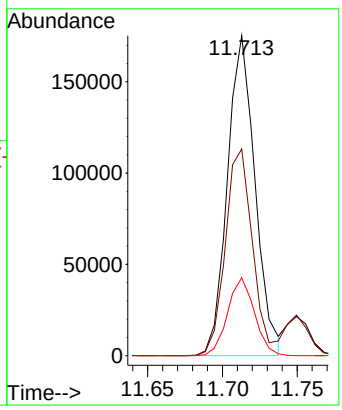


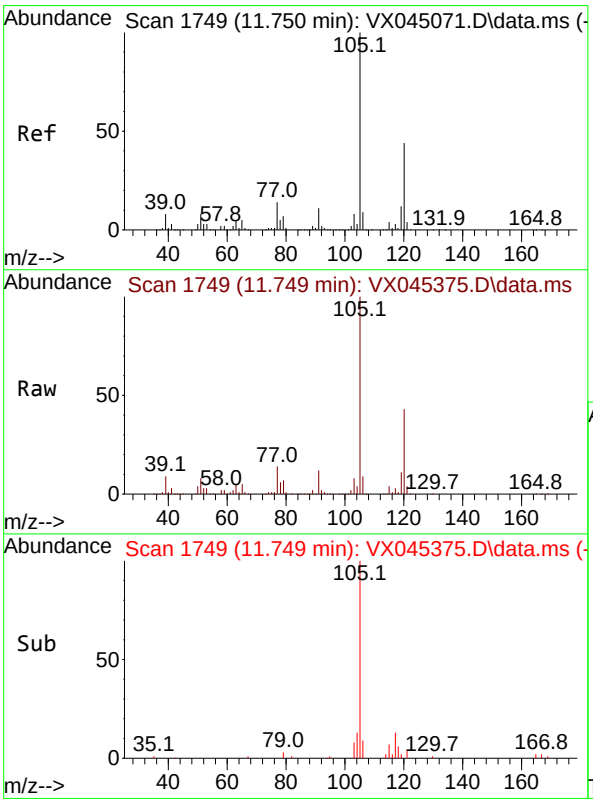
#83
tert-Butylbenzene
Concen: 55.097 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:119 Resp: 225635

Ion	Ratio	Lower	Upper
119	100		
91	63.9	30.7	92.1
134	23.6	11.7	35.0

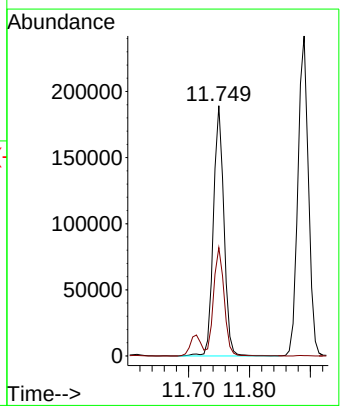


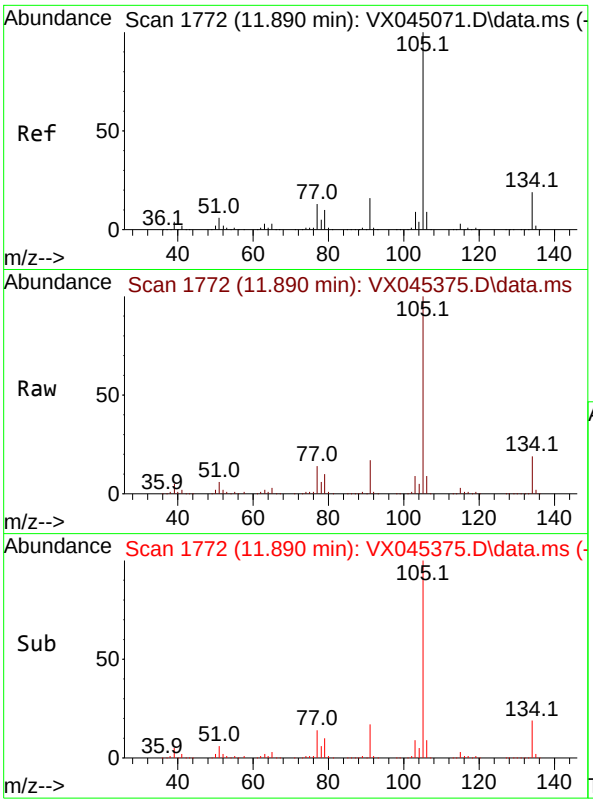


#84
1,2,4-Trimethylbenzene
Concen: 56.511 ug/l
RT: 11.749 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion:105 Resp: 226630

Ion	Ratio	Lower	Upper
105	100		
120	43.8	22.1	66.1



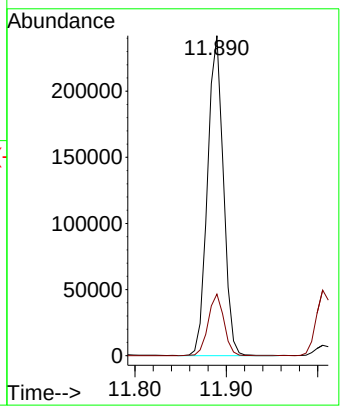


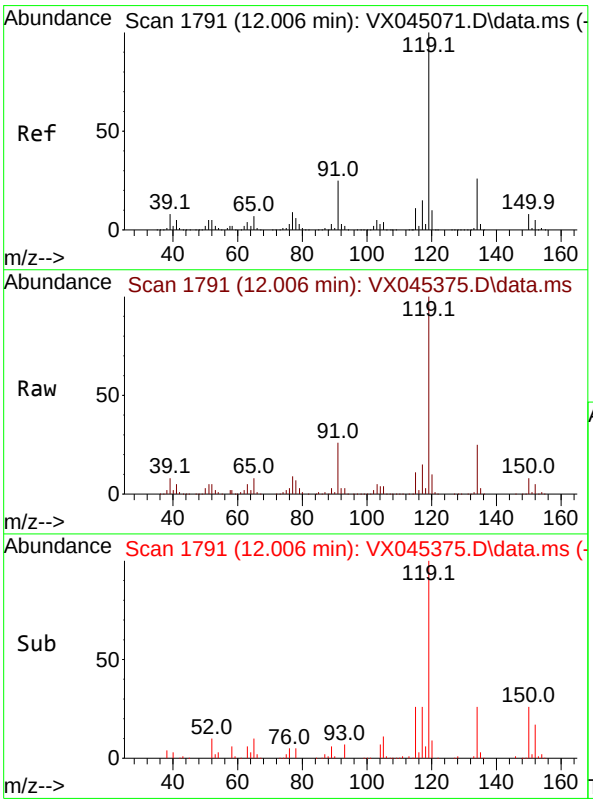
#85
sec-Butylbenzene
Concen: 59.284 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:105 Resp: 290816

Ion	Ratio	Lower	Upper
105	100		
134	19.1	9.8	29.4

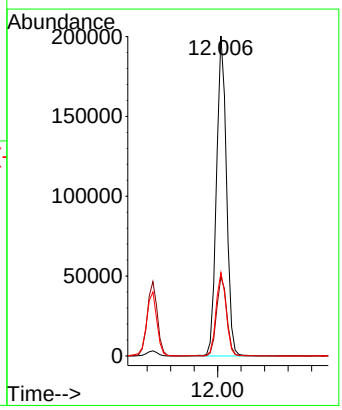


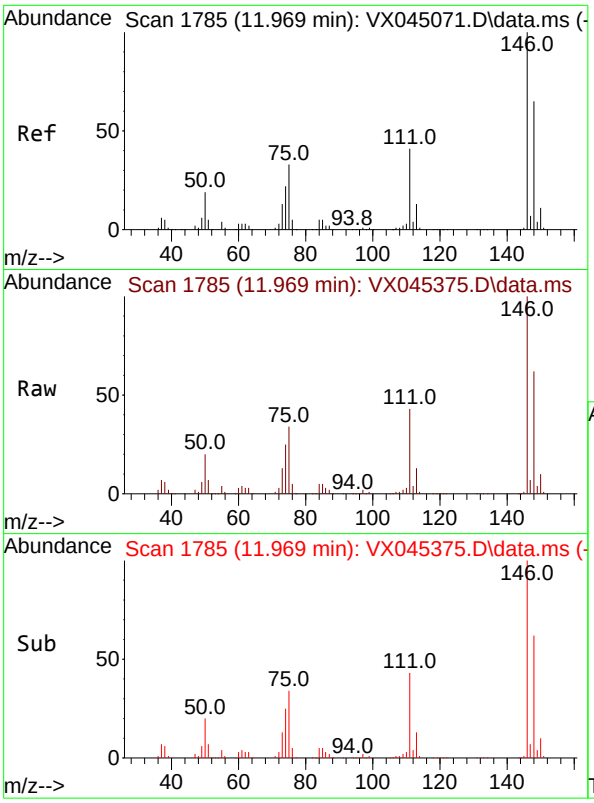


#86
p-Isopropyltoluene
Concen: 59.464 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion:119 Resp: 235736

Ion	Ratio	Lower	Upper
119	100		
134	25.2	12.9	38.6
91	26.3	12.7	38.0



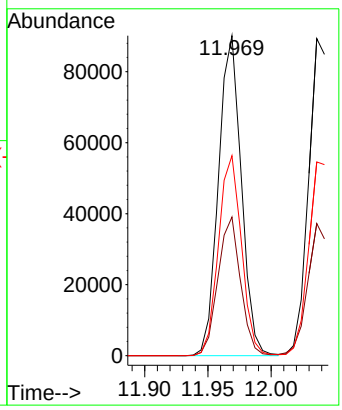


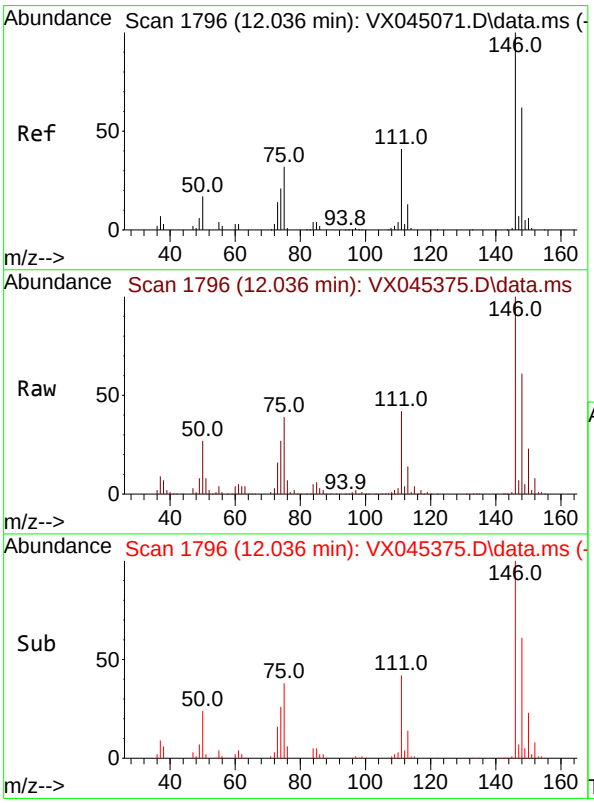
#87
1,3-Dichlorobenzene
Concen: 54.523 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:146 Resp: 113122

Ion	Ratio	Lower	Upper
146	100		
111	42.9	21.1	63.4
148	62.9	31.9	95.7

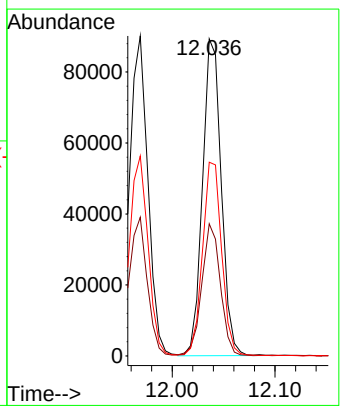


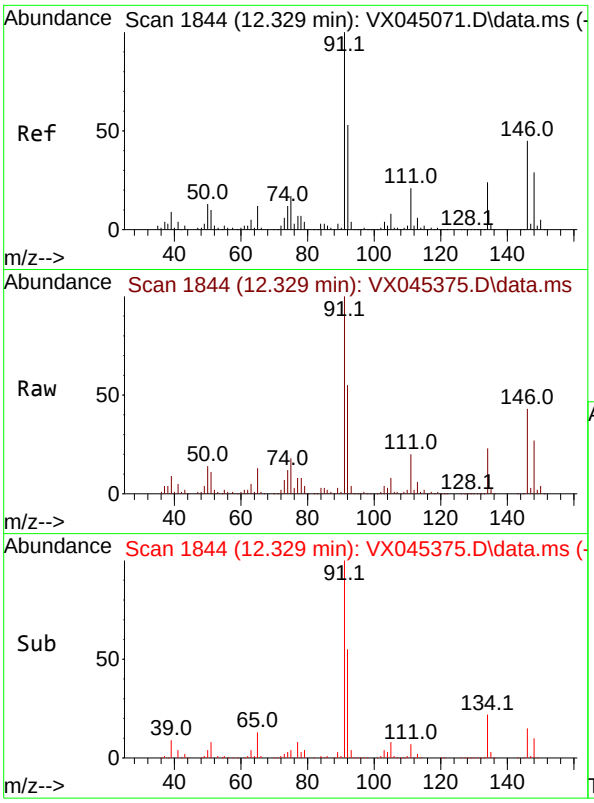


#88
1,4-Dichlorobenzene
Concen: 53.992 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion:146 Resp: 113332

Ion	Ratio	Lower	Upper
146	100		
111	41.3	20.2	60.5
148	62.4	31.9	95.9



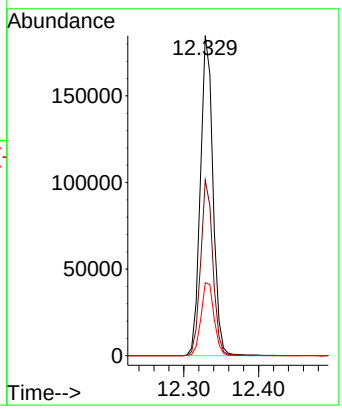


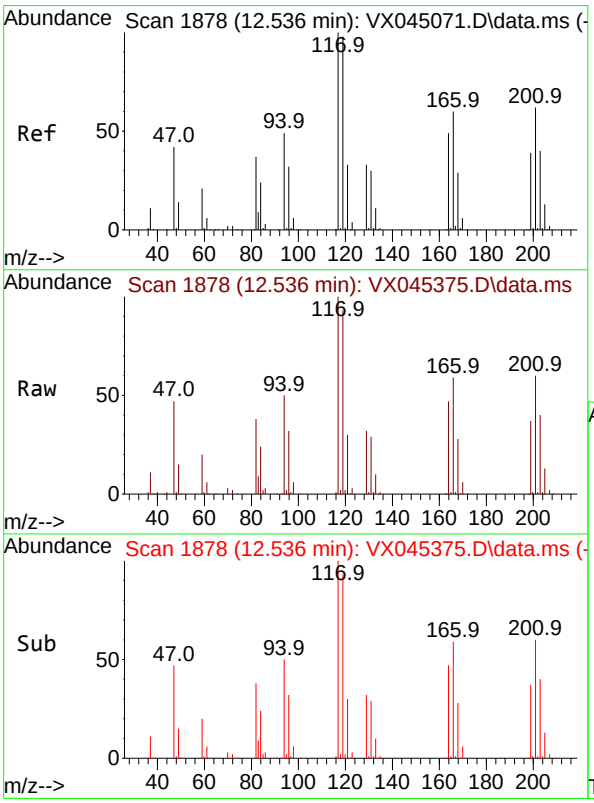
#89
n-Butylbenzene
Concen: 63.349 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 216299

Ion	Ratio	Lower	Upper
91	100		
92	53.4	26.7	80.0
134	23.7	12.2	36.6

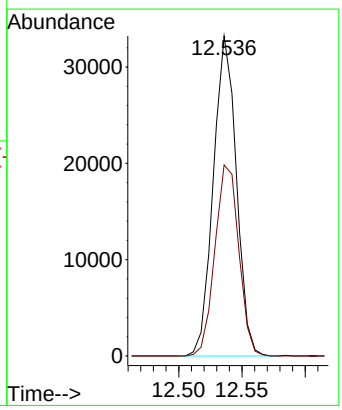


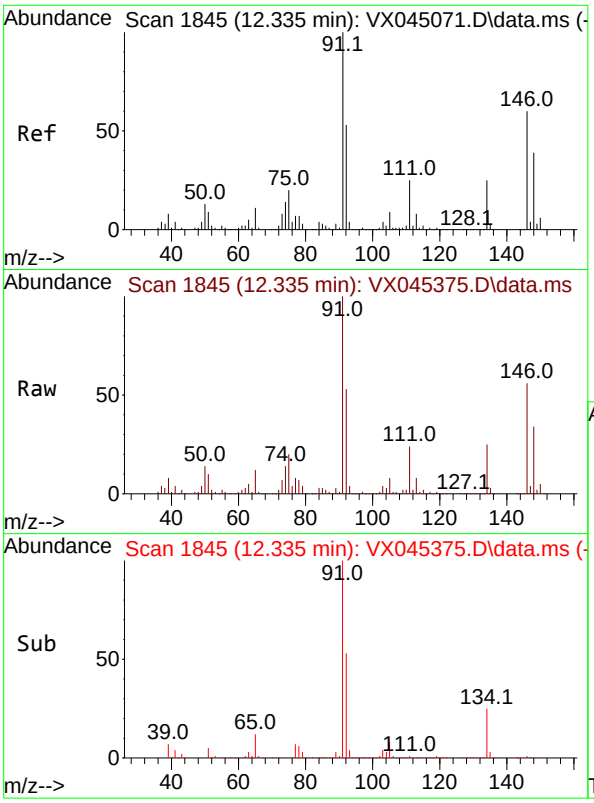


#90
Hexachloroethane
Concen: 58.585 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion:117 Resp: 42009

Ion	Ratio	Lower	Upper
117	100		
201	61.9	31.9	95.9



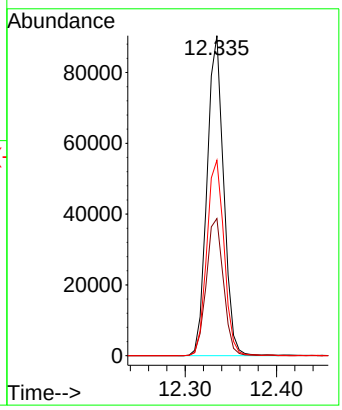


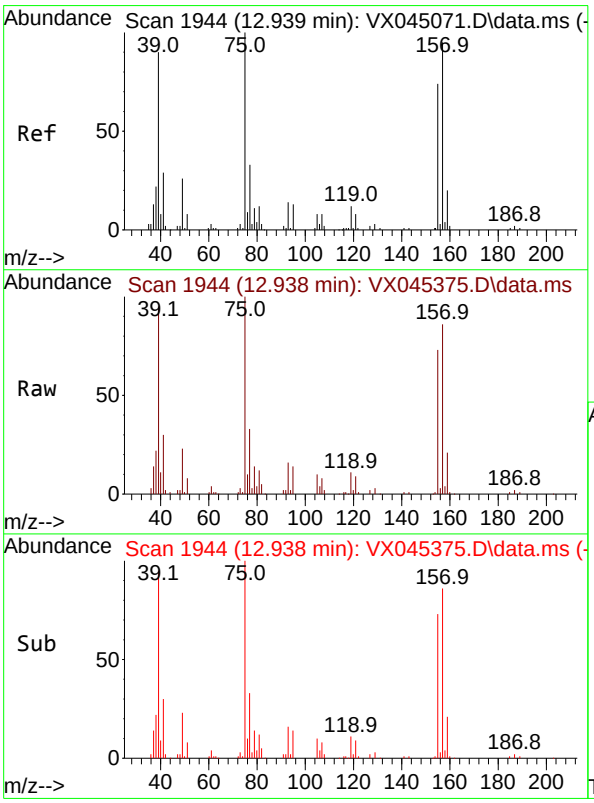
#91
1,2-Dichlorobenzene
Concen: 54.663 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:146 Resp: 113769

Ion	Ratio	Lower	Upper
146	100		
111	44.2	21.6	65.0
148	63.5	31.9	95.9

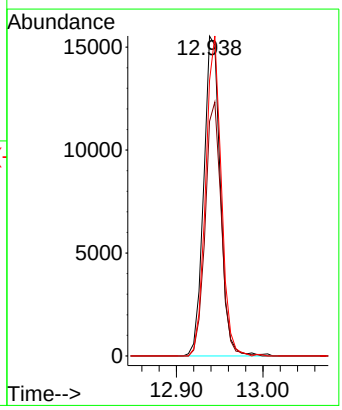


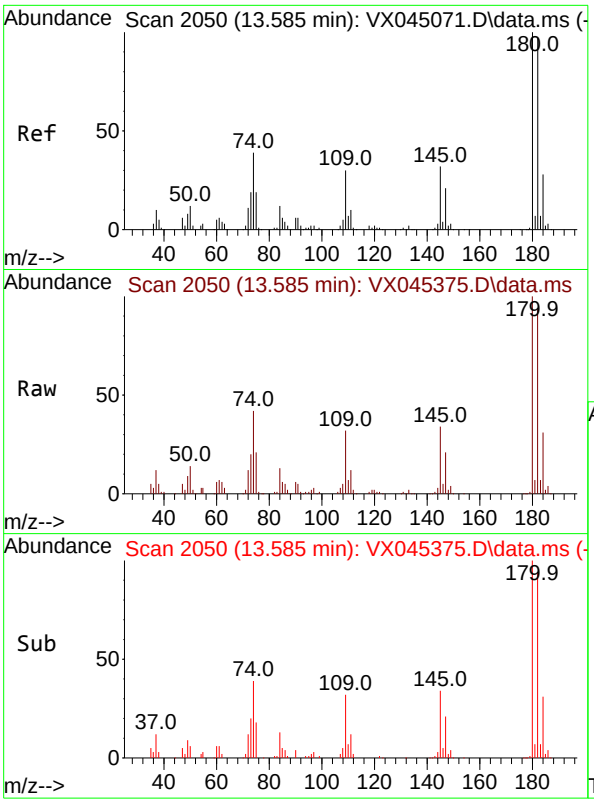


#92
1,2-Dibromo-3-Chloropropane
Concen: 58.578 ug/l
RT: 12.938 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion: 75 Resp: 20643

Ion	Ratio	Lower	Upper
75	100		
155	77.0	39.6	118.7
157	94.2	51.1	153.4



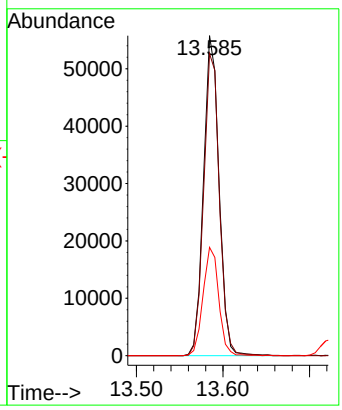


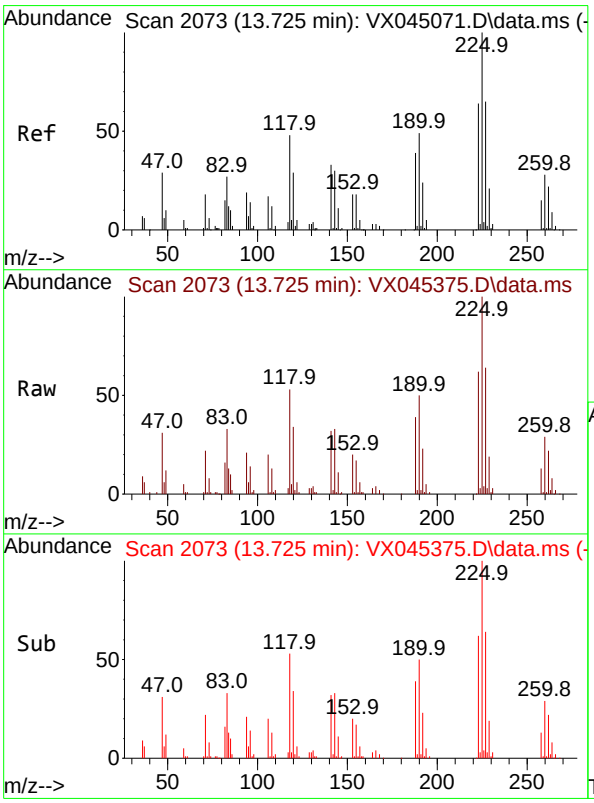
#93
1,2,4-Trichlorobenzene
Concen: 58.569 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:180 Resp: 69410

Ion	Ratio	Lower	Upper
180	100		
182	95.9	47.3	141.9
145	34.3	16.3	48.9

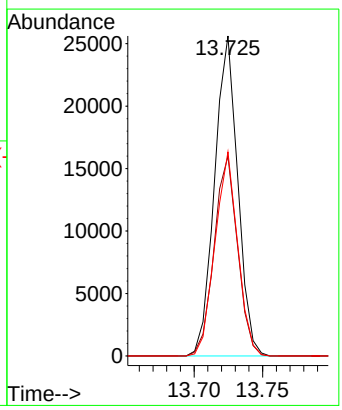


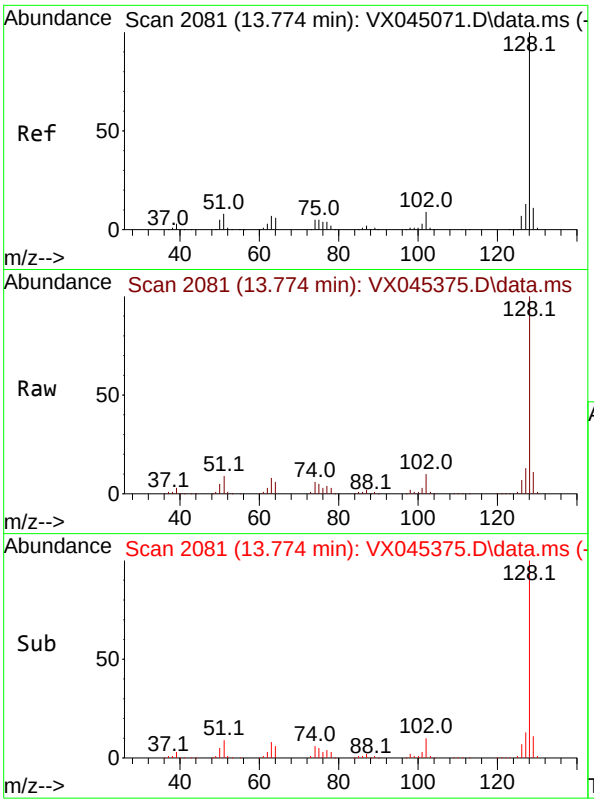


#94
Hexachlorobutadiene
Concen: 61.947 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion:225 Resp: 30098

Ion	Ratio	Lower	Upper
225	100		
223	63.1	31.9	95.7
227	62.5	31.4	94.0



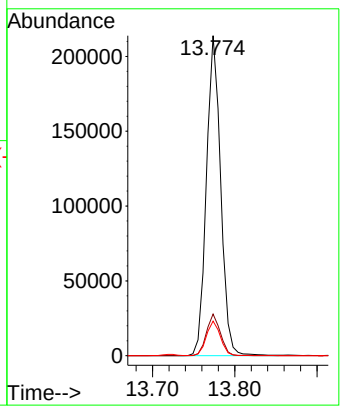


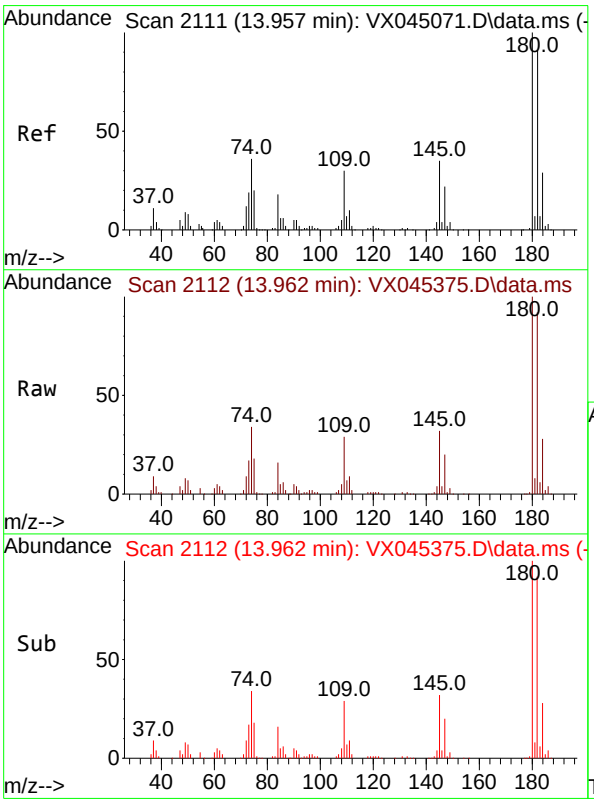
#95
Naphthalene
Concen: 56.574 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:128 Resp: 257595

Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.3	15.5
129	10.7	8.7	13.1

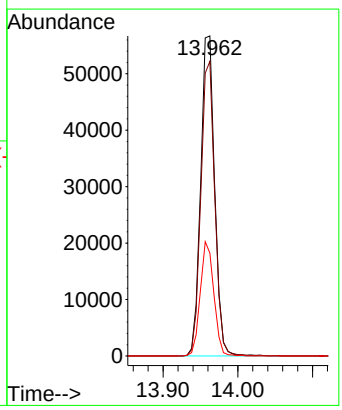




#96
1,2,3-Trichlorobenzene
Concen: 58.994 ug/l
RT: 13.962 min Scan# 2112
Delta R.T. 0.006 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion:180 Resp: 73755

Ion	Ratio	Lower	Upper
180	100		
182	91.8	47.5	142.6
145	34.6	17.0	50.9



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032125\
Data File : VX045378.D
Acq On : 21 Mar 2025 11:15
Operator : JC/MD
Sample : VX0321WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Quant Time: Mar 21 23:11:04 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	96755	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	172413	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	151575	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	67294	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	84283	54.764	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 109.520%			
35) Dibromofluoromethane	5.379	113	62362	54.092	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 108.180%			
50) Toluene-d8	8.647	98	214191	51.247	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.500%			
62) 4-Bromofluorobenzene	11.079	95	75709	54.664	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 109.320%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	21480	17.637	ug/l	98
3) Chloromethane	1.307	50	22820	15.311	ug/l	97
4) Vinyl Chloride	1.374	62	22773	15.402	ug/l	97
5) Bromomethane	1.593	94	10588	18.216	ug/l	97
6) Chloroethane	1.666	64	13149	19.280	ug/l	90
7) Trichlorofluoromethane	1.874	101	35122	17.944	ug/l	99
8) Diethyl Ether	2.136	74	12753	16.658	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.319	101	23148	20.585	ug/l	99
10) Methyl Iodide	2.447	142	25952	18.467	ug/l	95
11) Tert butyl alcohol	2.977	59	23822	81.717	ug/l	99
12) 1,1-Dichloroethene	2.313	96	21513	18.095	ug/l	98
13) Acrolein	2.233	56	21483	63.751	ug/l	99
14) Allyl chloride	2.660	41	41510	19.614	ug/l	95
15) Acrylonitrile	3.062	53	77525	99.226	ug/l	99
16) Acetone	2.386	43	71194	99.703	ug/l	96
17) Carbon Disulfide	2.502	76	44077	13.919	ug/l	97
18) Methyl Acetate	2.703	43	44730	26.039	ug/l	100
19) Methyl tert-butyl Ether	3.117	73	76764	19.245	ug/l	99
20) Methylene Chloride	2.782	84	26573	18.787	ug/l	98
21) trans-1,2-Dichloroethene	3.087	96	21498	18.303	ug/l	91
22) Diisopropyl ether	3.763	45	82977	19.279	ug/l	93
23) Vinyl Acetate	3.721	43	341214	94.998	ug/l	97
24) 1,1-Dichloroethane	3.605	63	46682	19.353	ug/l	99
25) 2-Butanone	4.556	43	110748	103.037	ug/l	97
26) 2,2-Dichloropropane	4.471	77	31567	27.900	ug/l	95
27) cis-1,2-Dichloroethene	4.483	96	28067	19.357	ug/l	95
28) Bromochloromethane	4.897	49	19780	17.204	ug/l	97
29) Tetrahydrofuran	5.007	42	69505	96.293	ug/l	99
30) Chloroform	5.086	83	48407	20.197	ug/l	99
31) Cyclohexane	5.458	56	38272	18.278	ug/l	95
32) 1,1,1-Trichloroethane	5.379	97	39203	20.252	ug/l	97
36) 1,1-Dichloropropene	5.690	75	30230	19.120	ug/l	99
37) Ethyl Acetate	4.715	43	40284	19.773	ug/l	98
38) Carbon Tetrachloride	5.672	117	32250	20.091	ug/l	98
39) Methylcyclohexane	7.379	83	36277	19.149	ug/l	99
40) Benzene	6.031	78	95825	19.193	ug/l	96

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032125\
Data File : VX045378.D
Acq On : 21 Mar 2025 11:15
Operator : JC/MD
Sample : VX0321WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Quant Time: Mar 21 23:11:04 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	23213	21.072	ug/l		99
42) 1,2-Dichloroethane	6.086	62	38881	21.626	ug/l		97
43) Isopropyl Acetate	6.342	43	59503	19.752	ug/l		98
44) Trichloroethene	7.123	130	21906	18.686	ug/l		100
45) 1,2-Dichloropropane	7.434	63	24666	19.215	ug/l		96
46) Dibromomethane	7.580	93	18645	20.550	ug/l		97
47) Bromodichloromethane	7.818	83	36796	20.676	ug/l		97
48) Methyl methacrylate	7.690	41	31076	20.561	ug/l		93
49) 1,4-Dioxane	7.659	88	11706	367.178	ug/l		98
51) 4-Methyl-2-Pentanone	8.574	43	217755	107.651	ug/l		98
52) Toluene	8.714	92	58017	19.806	ug/l		98
53) t-1,3-Dichloropropene	8.976	75	29944	20.126	ug/l		98
54) cis-1,3-Dichloropropene	8.366	75	34903	20.118	ug/l		91
55) 1,1,2-Trichloroethane	9.153	97	24624	20.419	ug/l		96
56) Ethyl methacrylate	9.116	69	36468	19.895	ug/l		92
57) 1,3-Dichloropropane	9.305	76	41844	20.051	ug/l		98
58) 2-Chloroethyl Vinyl ether	8.238	63	82742	92.534	ug/l		99
59) 2-Hexanone	9.427	43	156185	106.568	ug/l		98
60) Dibromochloromethane	9.519	129	26419	20.953	ug/l		100
61) 1,2-Dibromoethane	9.610	107	24108	20.026	ug/l		98
64) Tetrachloroethene	9.275	164	19136	19.712	ug/l		95
65) Chlorobenzene	10.079	112	62607	19.520	ug/l		98
66) 1,1,1,2-Tetrachloroethane	10.159	131	20934	19.599	ug/l		99
67) Ethyl Benzene	10.189	91	111231	19.903	ug/l		99
68) m/p-Xylenes	10.299	106	81773	39.971	ug/l		96
69) o-Xylene	10.640	106	40780	19.764	ug/l		97
70) Styrene	10.652	104	67582	20.243	ug/l		98
71) Bromoform	10.799	173	16152	20.054	ug/l	#	98
73) Isopropylbenzene	10.957	105	106888	20.350	ug/l		99
74) N-amyl acetate	10.841	43	48367	19.624	ug/l		98
75) 1,1,2,2-Tetrachloroethane	11.207	83	39325	20.402	ug/l		100
76) 1,2,3-Trichloropropane	11.238	75	38768	24.752	ug/l		88
77) Bromobenzene	11.195	156	24014	19.377	ug/l		96
78) n-propylbenzene	11.299	91	122726	20.684	ug/l		97
79) 2-Chlorotoluene	11.360	91	75398	19.953	ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	88815	20.912	ug/l		98
81) trans-1,4-Dichloro-2-b...	11.018	75	8915	19.479	ug/l		85
82) 4-Chlorotoluene	11.451	91	83886	20.369	ug/l		100
83) tert-Butylbenzene	11.713	119	88650	20.315	ug/l		97
84) 1,2,4-Trimethylbenzene	11.750	105	88039	20.602	ug/l		97
85) sec-Butylbenzene	11.890	105	111484	21.328	ug/l		99
86) p-Isopropyltoluene	12.006	119	87777	20.779	ug/l		98
87) 1,3-Dichlorobenzene	11.969	146	42267	19.118	ug/l		99
88) 1,4-Dichlorobenzene	12.042	146	43137	19.286	ug/l		98
89) n-Butylbenzene	12.329	91	75986	20.885	ug/l		99
90) Hexachloroethane	12.536	117	15167	19.850	ug/l		97
91) 1,2-Dichlorobenzene	12.335	146	43534	19.630	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	7492	19.952	ug/l		91
93) 1,2,4-Trichlorobenzene	13.585	180	23239	18.403	ug/l		98
94) Hexachlorobutadiene	13.725	225	10353	19.997	ug/l		98
95) Naphthalene	13.774	128	90512	18.655	ug/l		100
96) 1,2,3-Trichlorobenzene	13.963	180	24680	18.526	ug/l		99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032125\
Data File : VX045378.D
Acq On : 21 Mar 2025 11:15
Operator : JC/MD
Sample : VX0321WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Quant Time: Mar 21 23:11:04 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

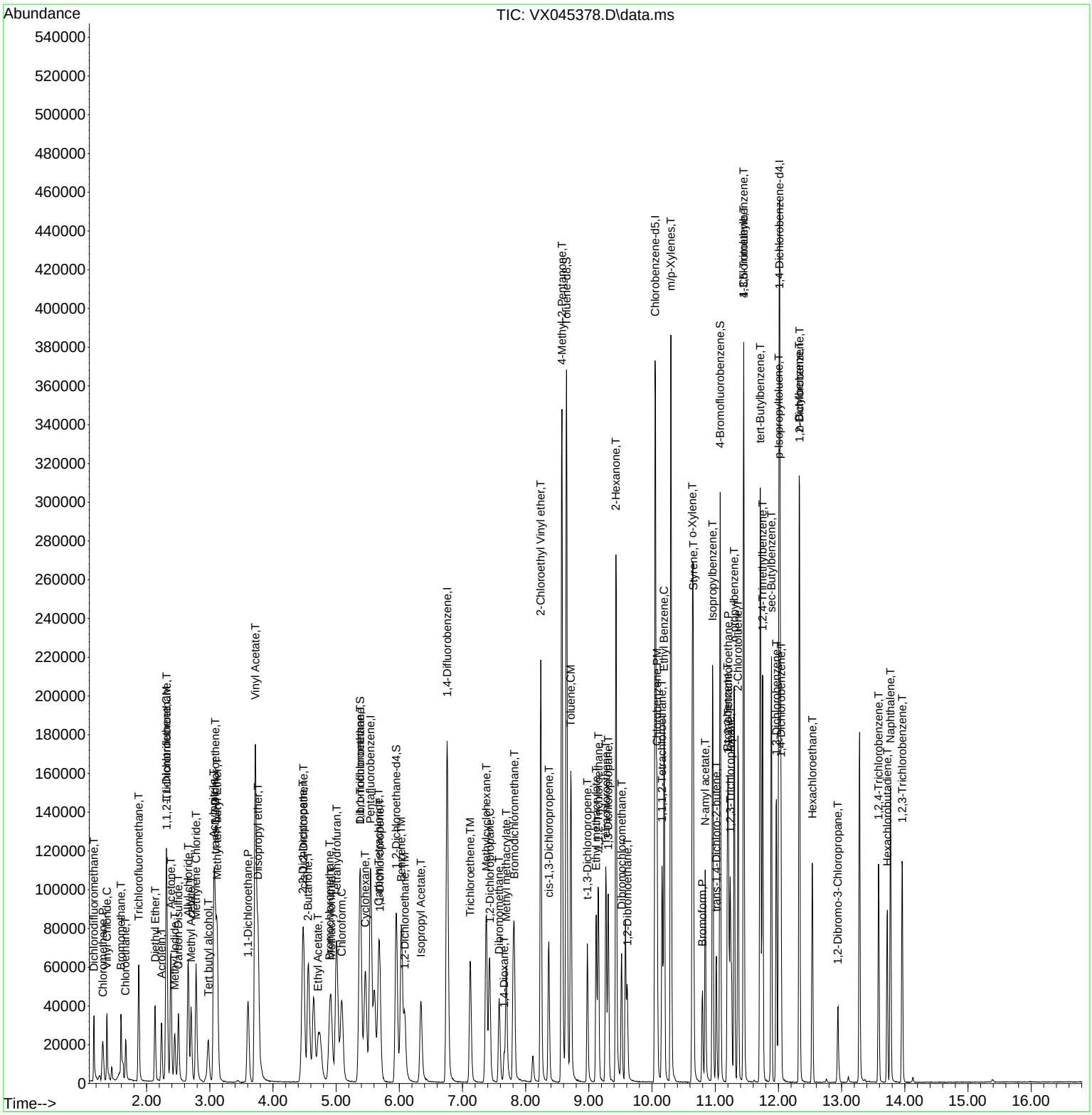
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

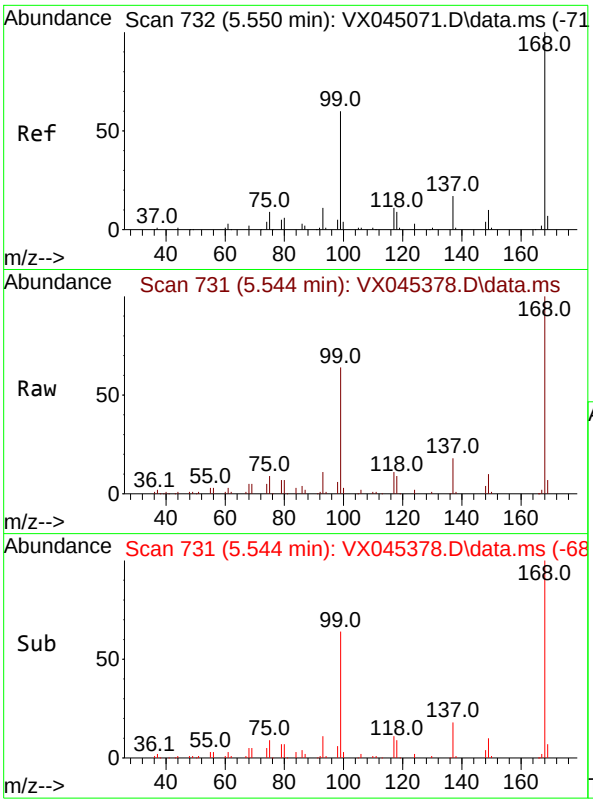
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032125\
Data File : VX045378.D
Acq On : 21 Mar 2025 11:15
Operator : JC/MD
Sample : VX0321WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Quant Time: Mar 21 23:11:04 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



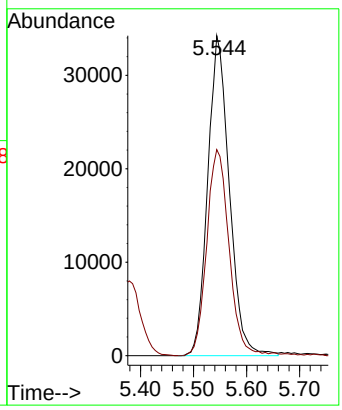


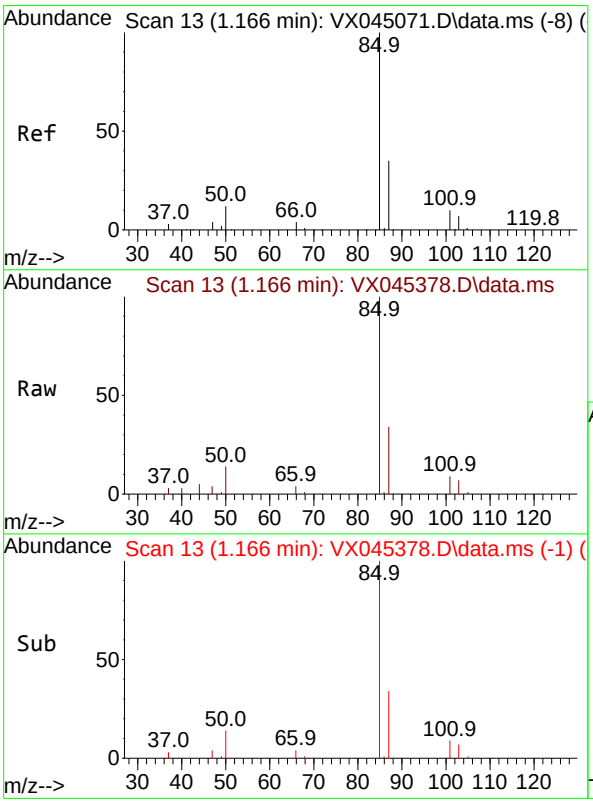
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Tgt Ion:168 Resp: 96755

Ion	Ratio	Lower	Upper
168	100		
99	64.4	48.2	72.4

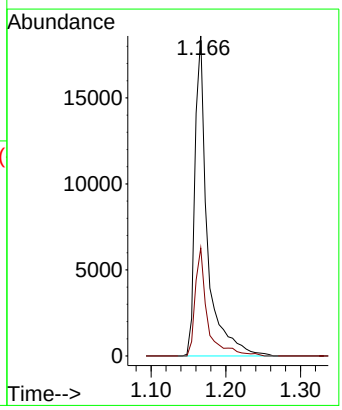


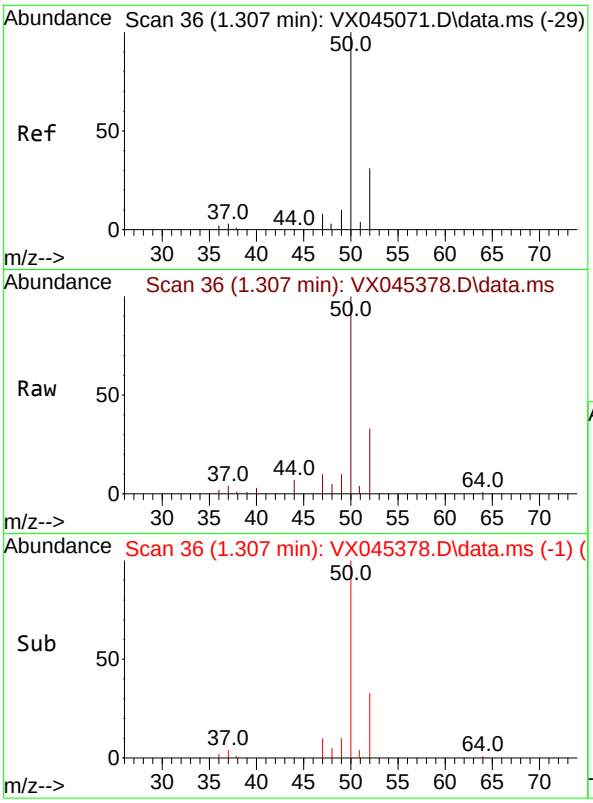


#2
Dichlorodifluoromethane
Concen: 17.637 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion: 85 Resp: 21480

Ion	Ratio	Lower	Upper
85	100		
87	33.7	17.4	52.3



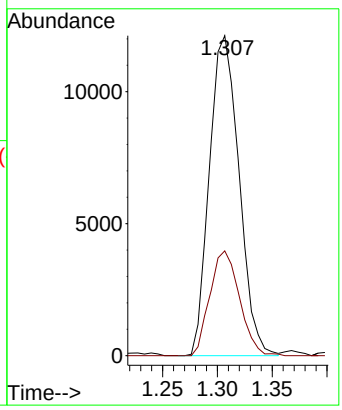


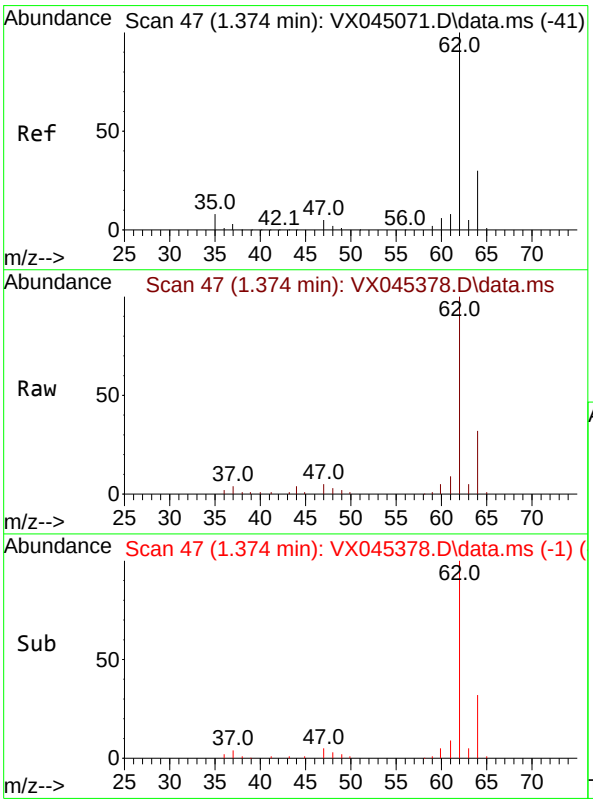
#3
Chloromethane
Concen: 15.311 ug/l
RT: 1.307 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Tgt Ion: 50 Resp: 22820

Ion	Ratio	Lower	Upper
50	100		
52	32.8	25.0	37.4

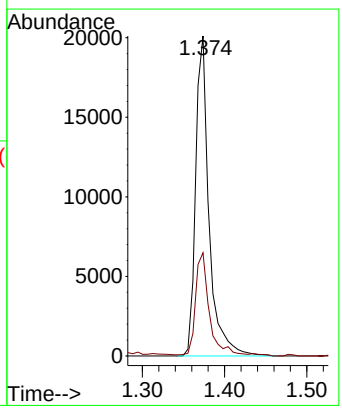


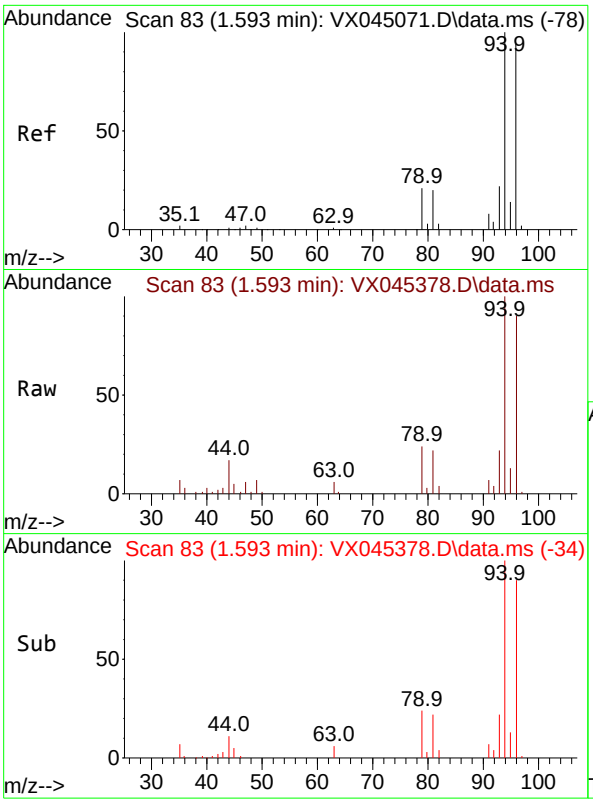


#4
Vinyl Chloride
Concen: 15.402 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion: 62 Resp: 22773

Ion	Ratio	Lower	Upper
62	100		
64	32.2	24.3	36.5



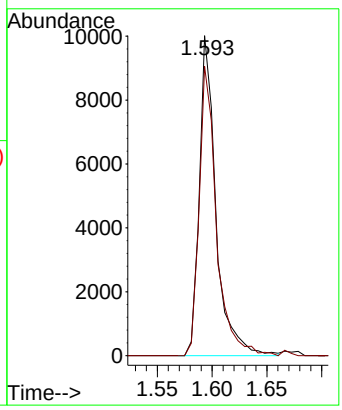


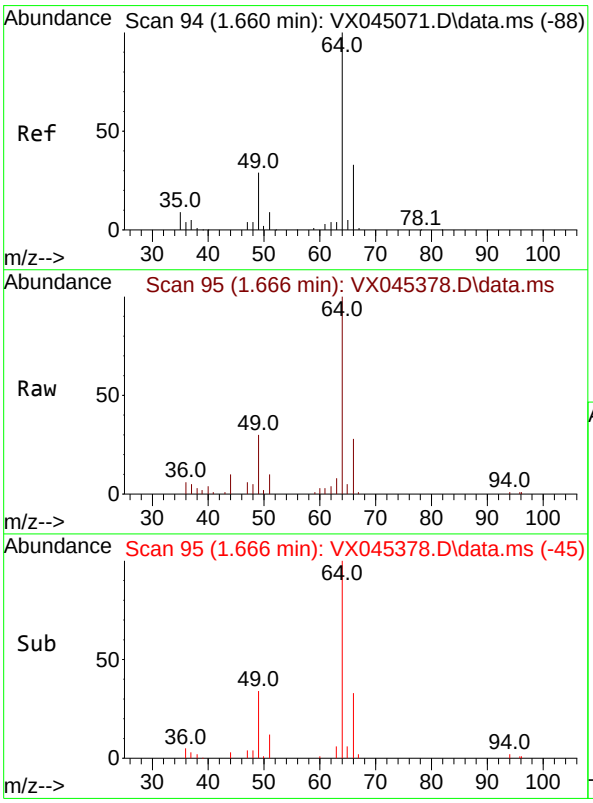
#5
Bromomethane
Concen: 18.216 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Tgt Ion: 94 Resp: 10588

Ion	Ratio	Lower	Upper
94	100		
96	90.4	75.0	112.4

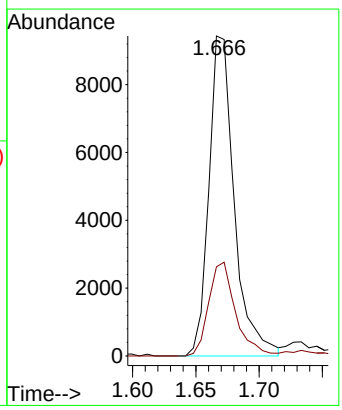


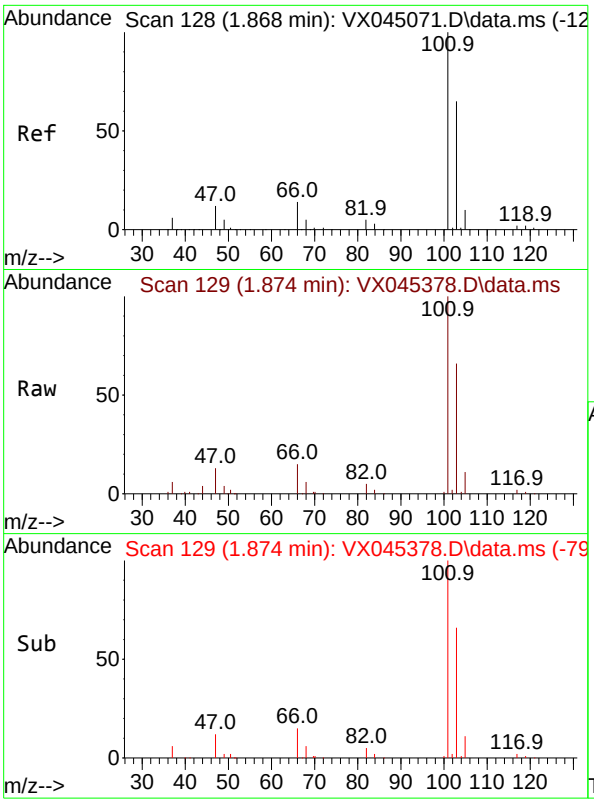


#6
Chloroethane
Concen: 19.280 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.006 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion: 64 Resp: 13149

Ion	Ratio	Lower	Upper
64	100		
66	27.9	26.7	40.1



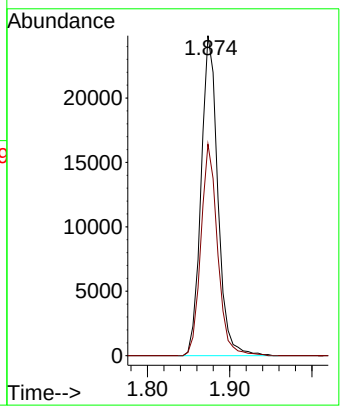


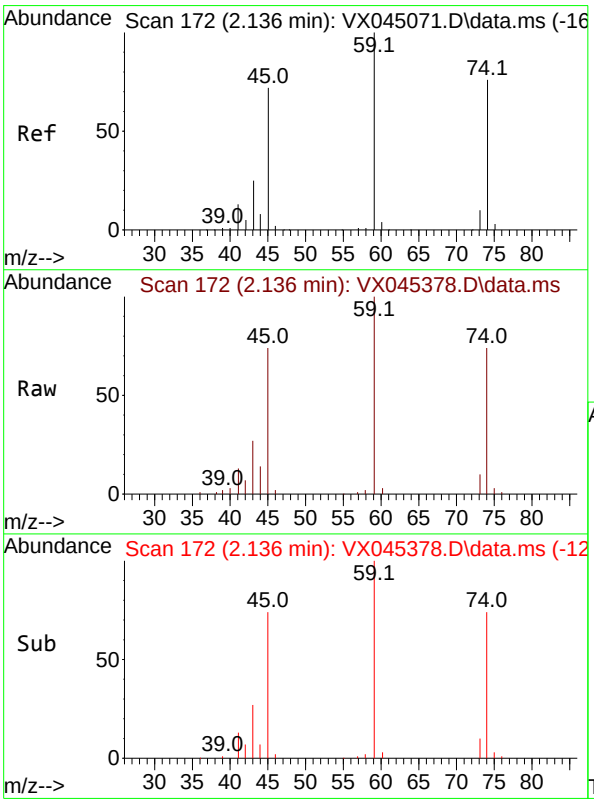
#7
Trichlorofluoromethane
Concen: 17.944 ug/l
RT: 1.874 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Tgt Ion:101 Resp: 35122

Ion	Ratio	Lower	Upper
101	100		
103	66.1	52.1	78.1

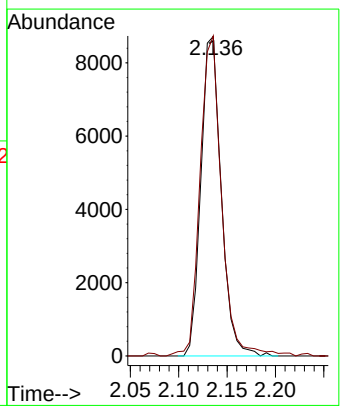


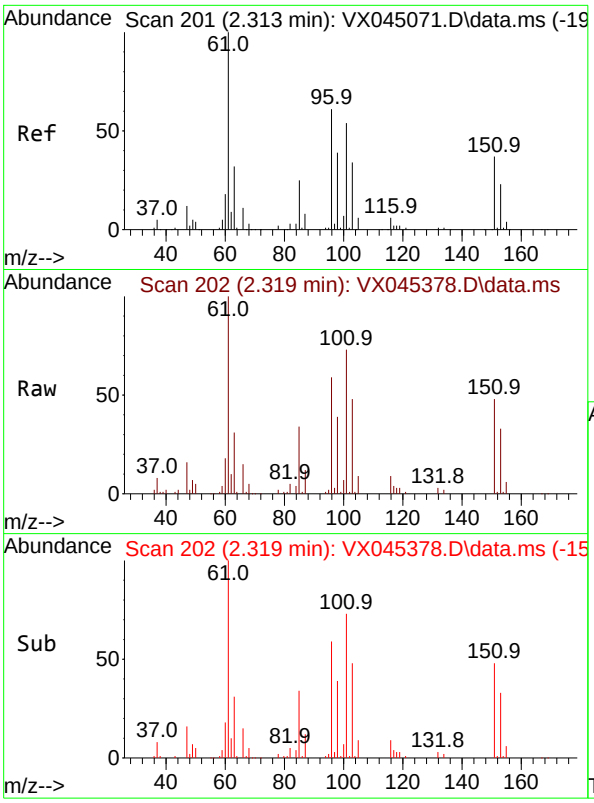


#8
Diethyl Ether
Concen: 16.658 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion: 74 Resp: 12753

Ion	Ratio	Lower	Upper
74	100		
45	105.9	51.5	154.5



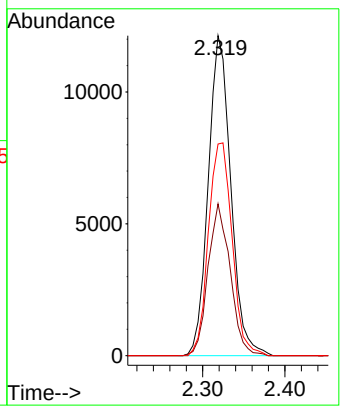


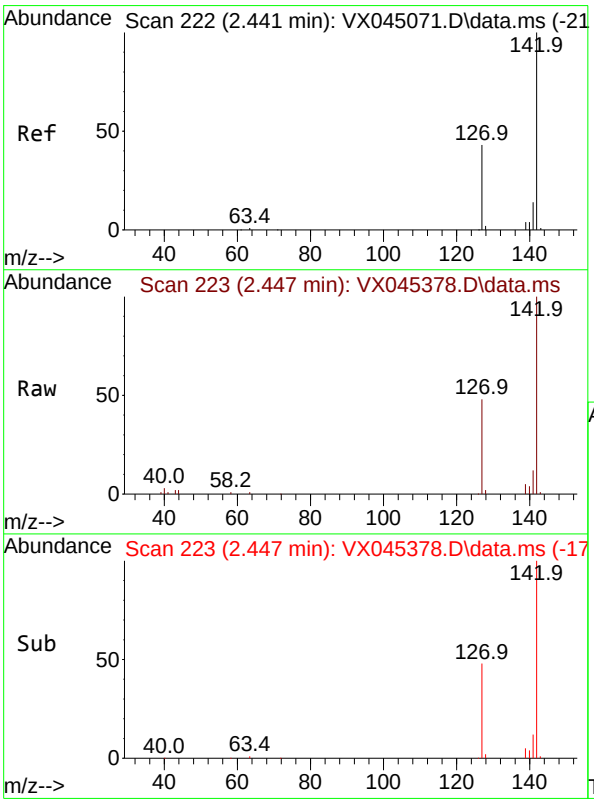
#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.585 ug/l
RT: 2.319 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Tgt Ion:101 Resp: 23148

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

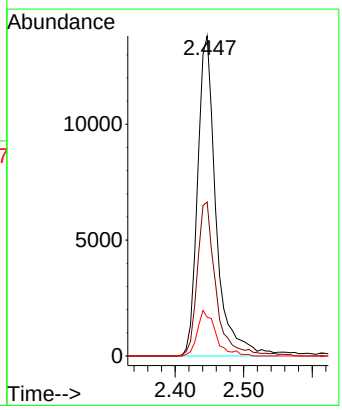


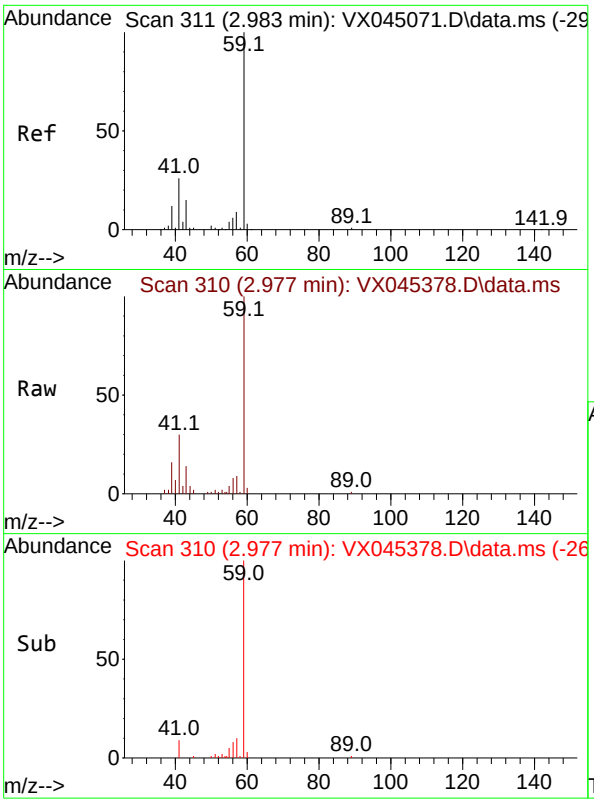


#10
Methyl Iodide
Concen: 18.467 ug/l
RT: 2.447 min Scan# 223
Delta R.T. 0.006 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion:142 Resp: 25952

Ion	Ratio	Lower	Upper
142	100		
127	48.5	35.4	53.2
141	14.2	11.6	17.4



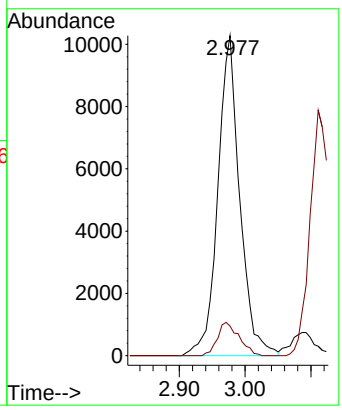


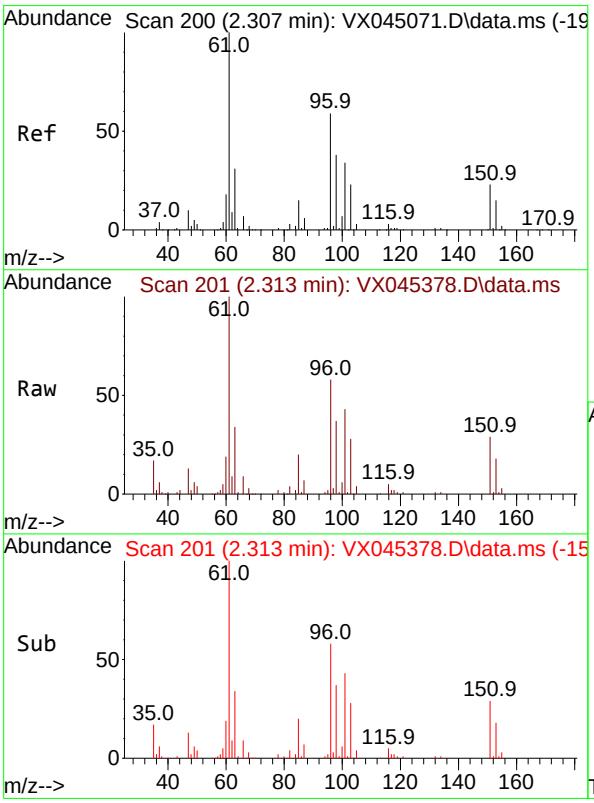
#11
Tert butyl alcohol
Concen: 81.717 ug/l
RT: 2.977 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Tgt Ion: 59 Resp: 23822

Ion	Ratio	Lower	Upper
59	100		
57	10.3	7.8	11.8

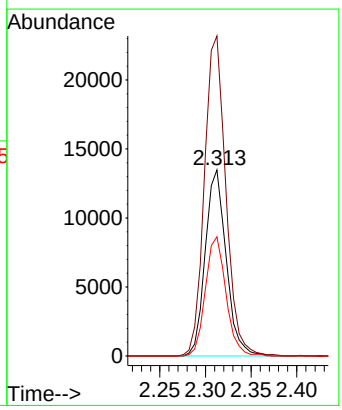


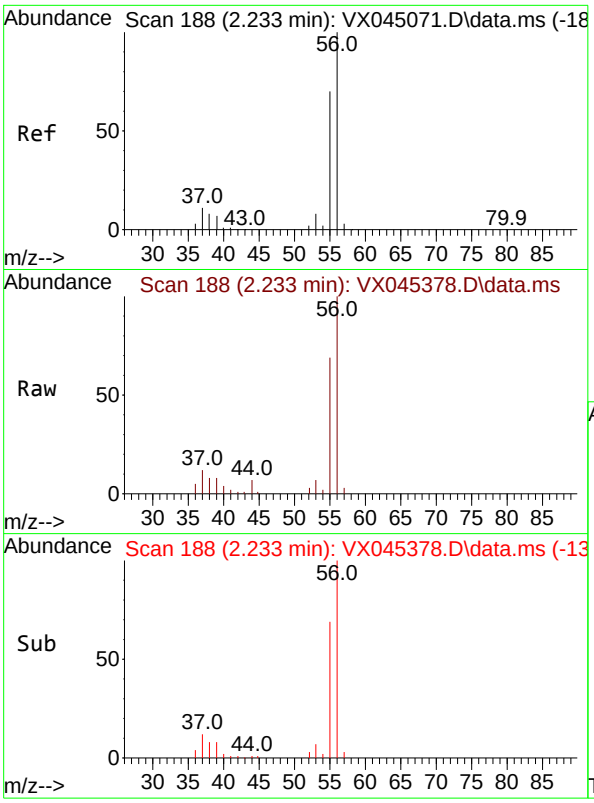


#12
1,1-Dichloroethene
Concen: 18.095 ug/l
RT: 2.313 min Scan# 201
Delta R.T. 0.006 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion: 96 Resp: 21513

Ion	Ratio	Lower	Upper
96	100		
61	171.9	134.6	202.0
98	64.1	51.0	76.6



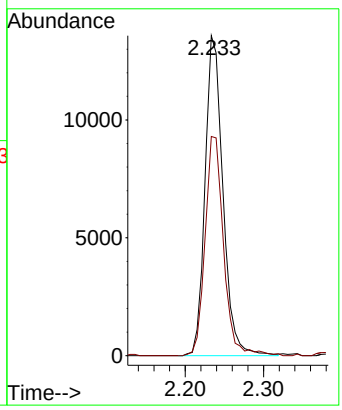


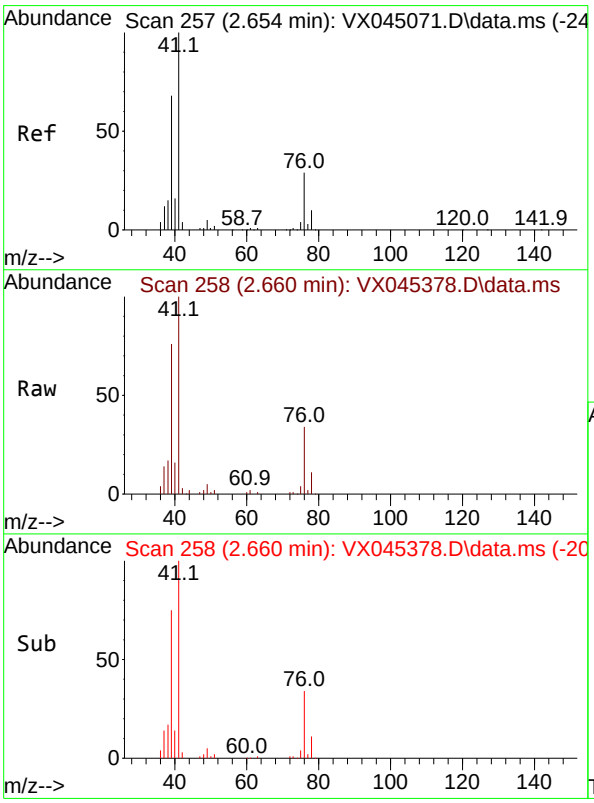
#13
Acrolein
Concen: 63.751 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Tgt Ion: 56 Resp: 21483

Ion	Ratio	Lower	Upper
56	100		
55	70.9	56.2	84.4

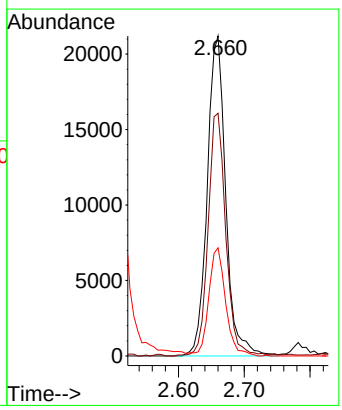


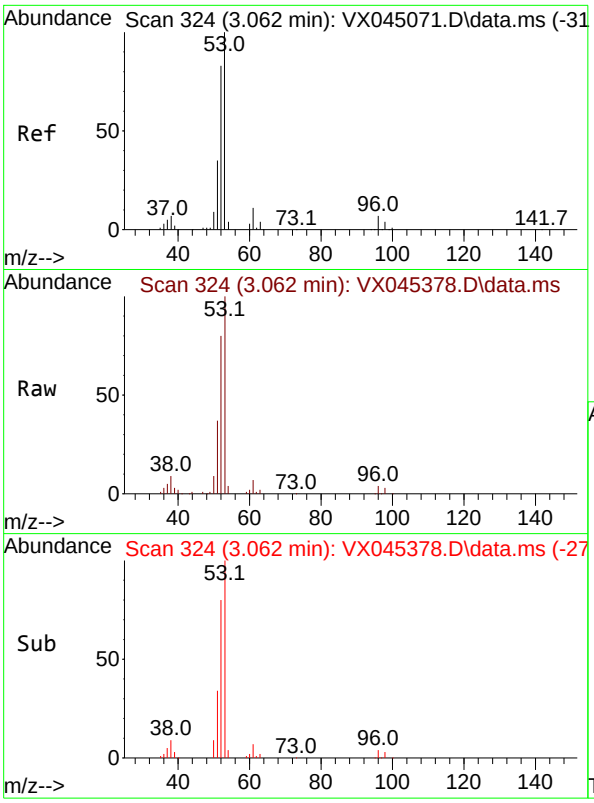


#14
Allyl chloride
Concen: 19.614 ug/l
RT: 2.660 min Scan# 258
Delta R.T. 0.006 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion: 41 Resp: 41510

Ion	Ratio	Lower	Upper
41	100		
39	72.3	53.8	80.8
76	30.6	25.2	37.8



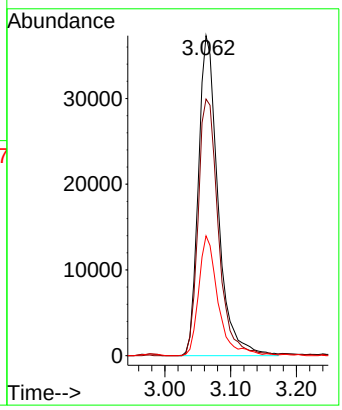


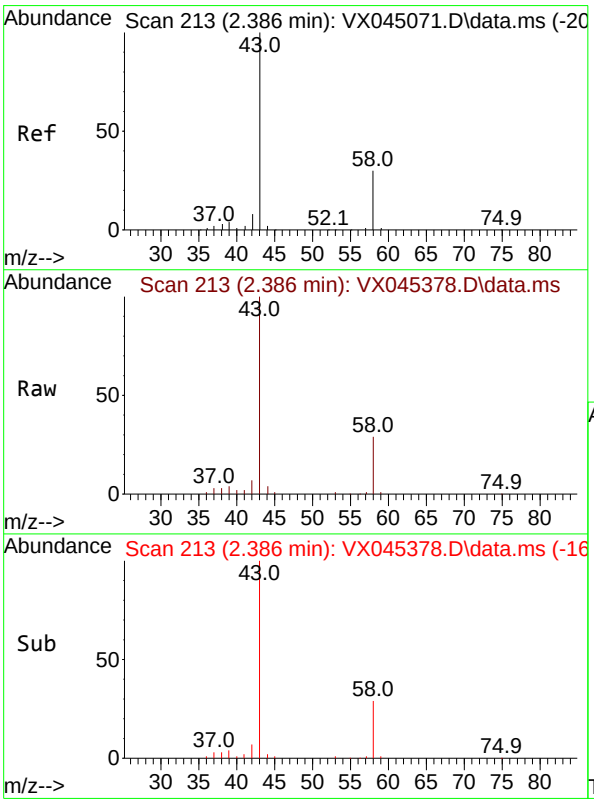
#15
Acrylonitrile
Concen: 99.226 ug/l
RT: 3.062 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Tgt Ion: 53 Resp: 77525

Ion	Ratio	Lower	Upper
53	100		
52	82.5	66.2	99.2
51	37.0	29.0	43.4

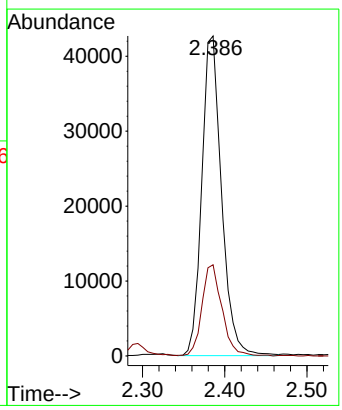


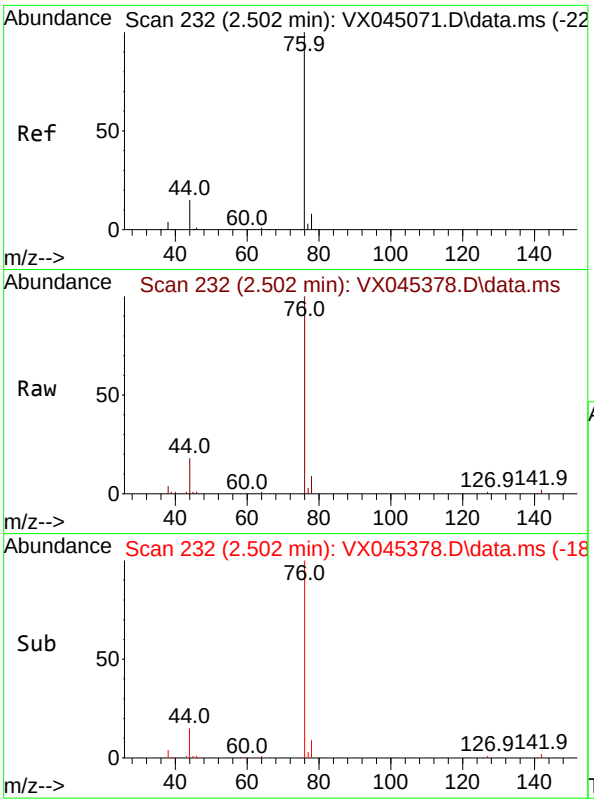


#16
Acetone
Concen: 99.703 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion: 43 Resp: 71194

Ion	Ratio	Lower	Upper
43	100		
58	28.4	24.2	36.4



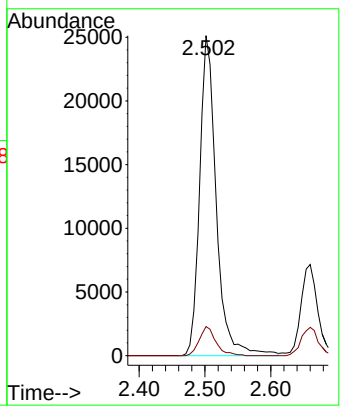


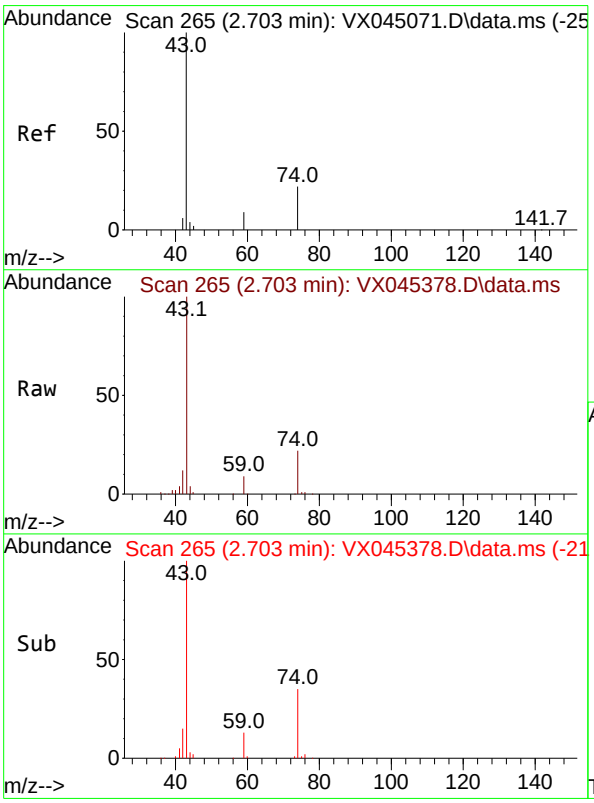
#17
Carbon Disulfide
Concen: 13.919 ug/l
RT: 2.502 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Tgt Ion: 76 Resp: 44077

Ion	Ratio	Lower	Upper
76	100		
78	9.1	6.6	9.8

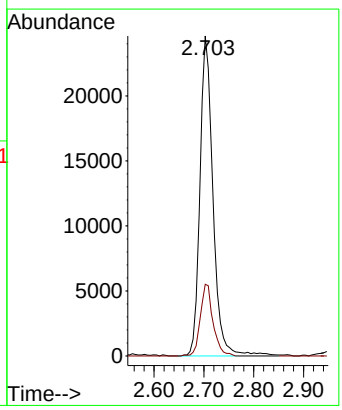


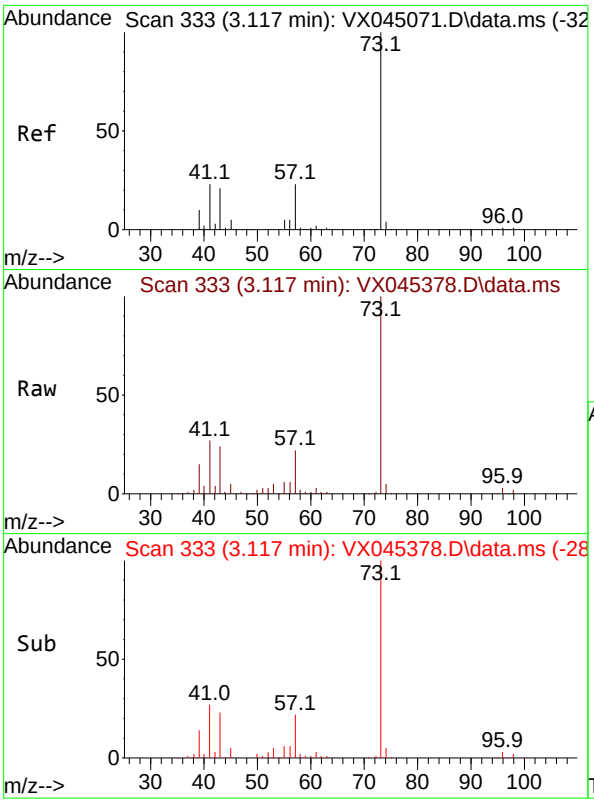


#18
Methyl Acetate
Concen: 26.039 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion: 43 Resp: 44730

Ion	Ratio	Lower	Upper
43	100		
74	21.8	17.4	26.2



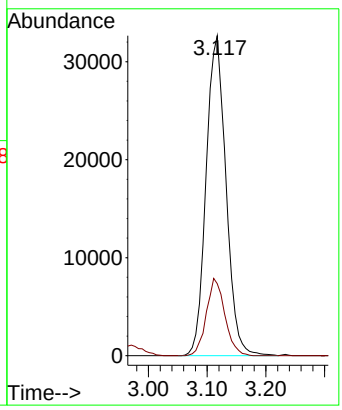


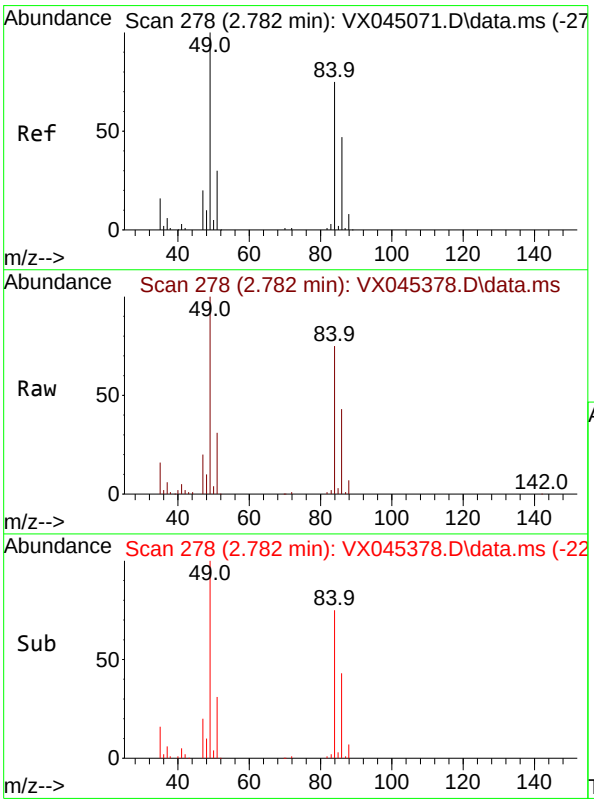
#19
Methyl tert-butyl Ether
Concen: 19.245 ug/l
RT: 3.117 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Tgt Ion: 73 Resp: 76764

Ion	Ratio	Lower	Upper
73	100		
57	22.5	18.5	27.7

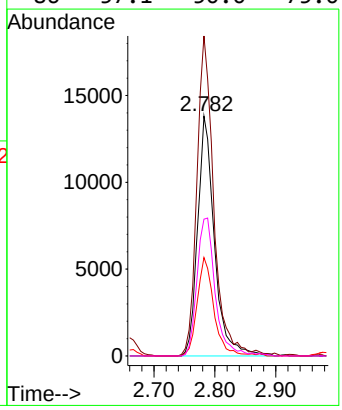


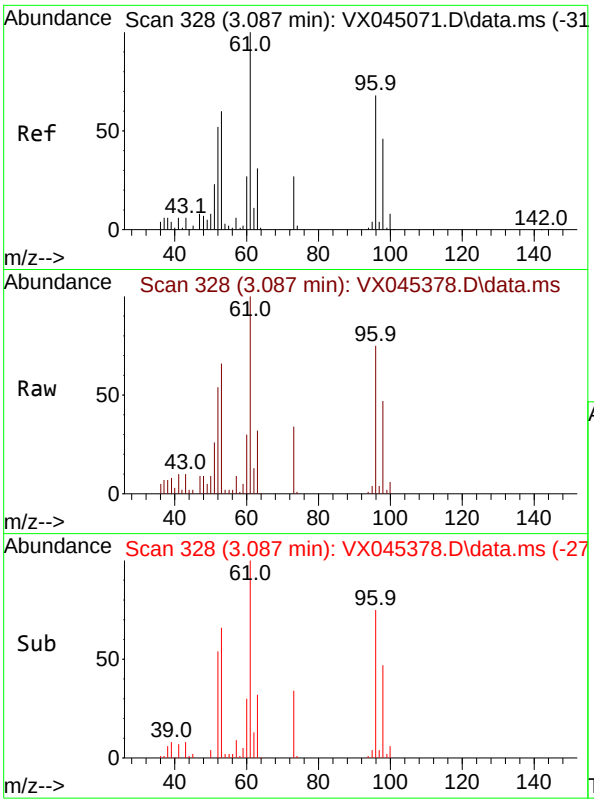


#20
Methylene Chloride
Concen: 18.787 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion: 84 Resp: 26573

Ion	Ratio	Lower	Upper
84	100		
49	133.4	106.5	159.7
51	41.0	32.1	48.1
86	57.1	50.0	75.0



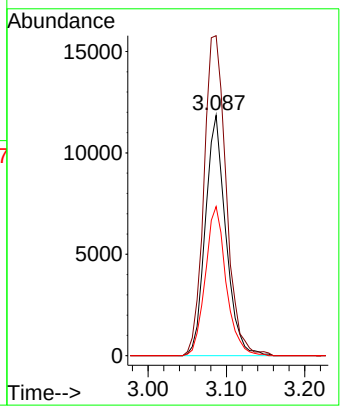


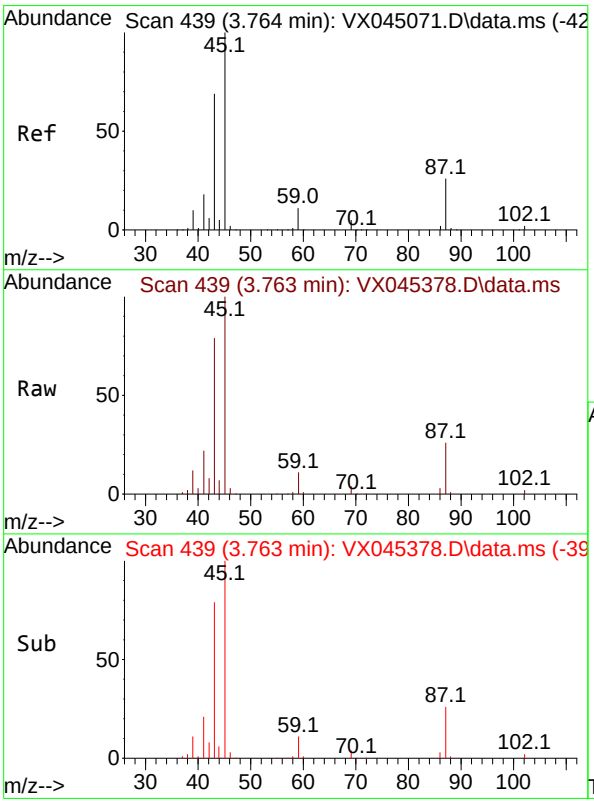
#21
trans-1,2-Dichloroethene
Concen: 18.303 ug/l
RT: 3.087 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Tgt Ion: 96 Resp: 21498

Ion	Ratio	Lower	Upper
96	100		
61	133.1	117.0	175.4
98	62.0	53.4	80.2

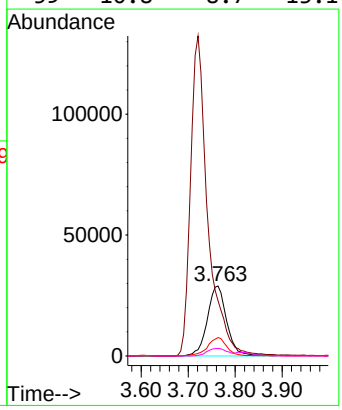


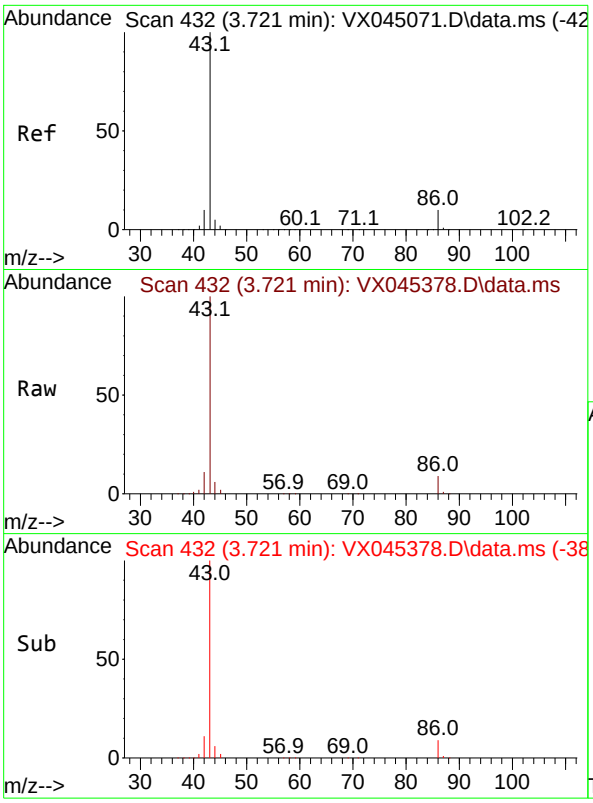


#22
Diisopropyl ether
Concen: 19.279 ug/l
RT: 3.763 min Scan# 439
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion: 45 Resp: 82977

Ion	Ratio	Lower	Upper
45	100		
43	77.9	54.9	82.3
87	26.3	21.0	31.4
59	10.8	8.7	13.1



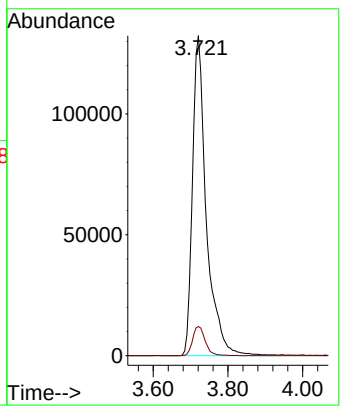


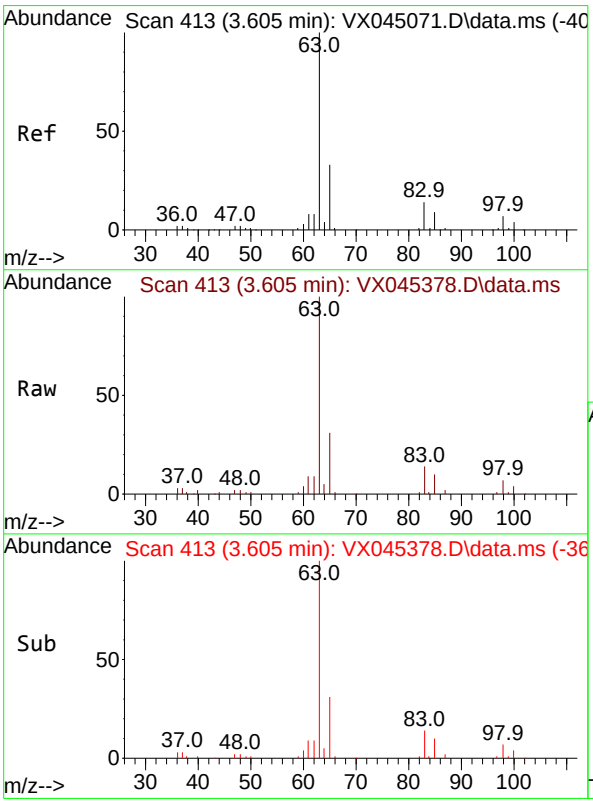
#23
Vinyl Acetate
Concen: 94.998 ug/l
RT: 3.721 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Tgt Ion: 43 Resp: 341214

Ion	Ratio	Lower	Upper
43	100		
86	9.1	8.1	12.1

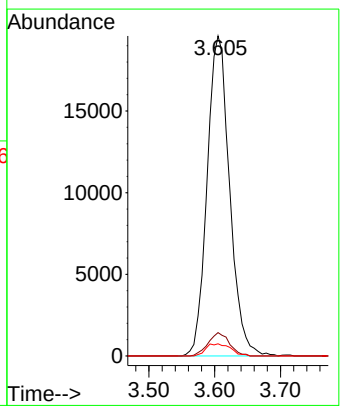


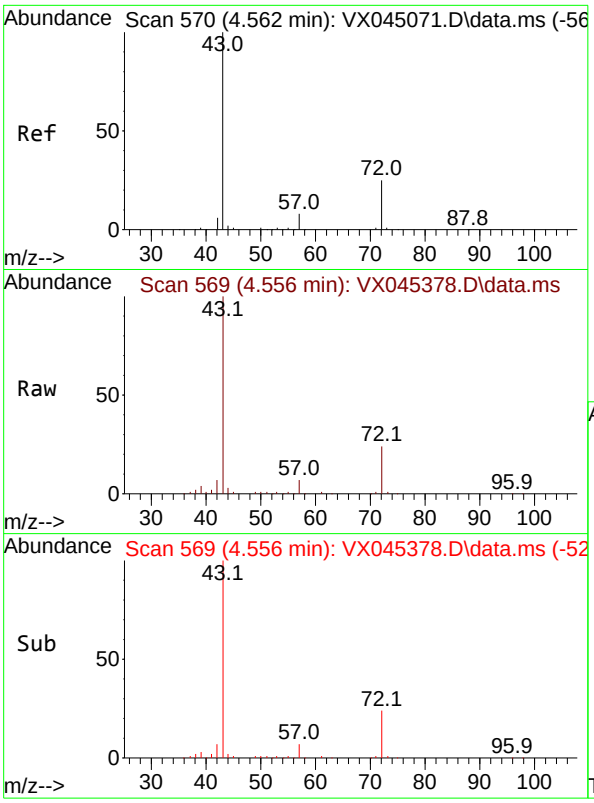


#24
1,1-Dichloroethane
Concen: 19.353 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion: 63 Resp: 46682

Ion	Ratio	Lower	Upper
63	100		
98	7.3	3.4	10.2
100	3.8	2.1	6.5



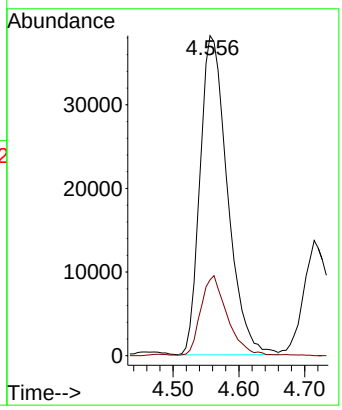


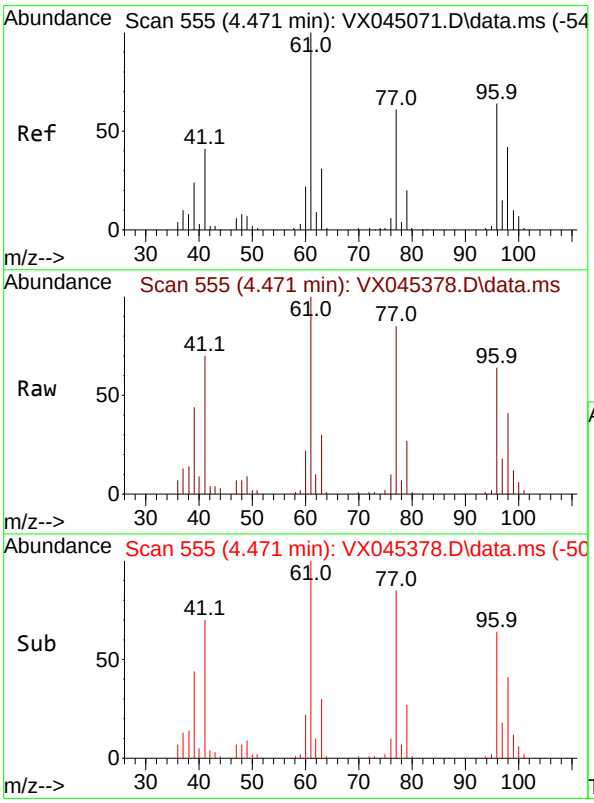
#25
2-Butanone
Concen: 103.037 ug/l
RT: 4.556 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Tgt Ion: 43 Resp: 110748

Ion	Ratio	Lower	Upper
43	100		
72	23.6	20.0	30.0

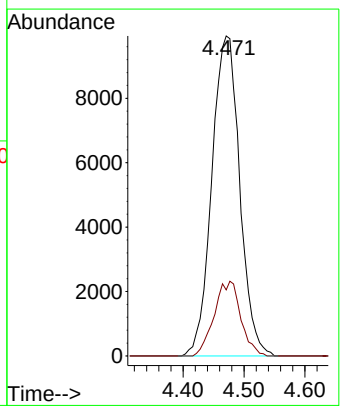


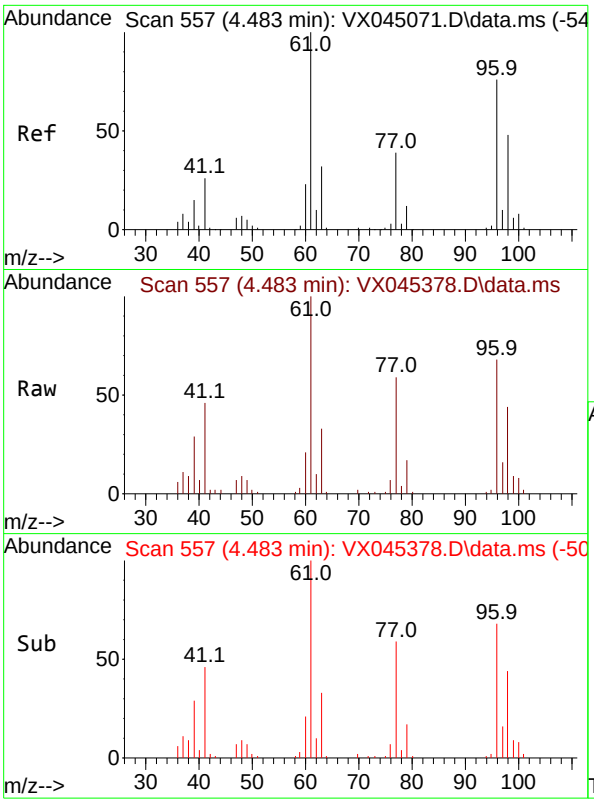


#26
2,2-Dichloropropane
Concen: 27.900 ug/l
RT: 4.471 min Scan# 555
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion: 77 Resp: 31567

Ion	Ratio	Lower	Upper
77	100		
97	22.2	12.4	37.0



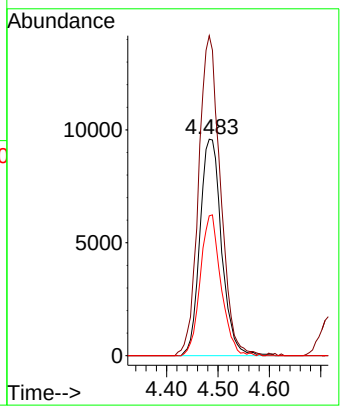


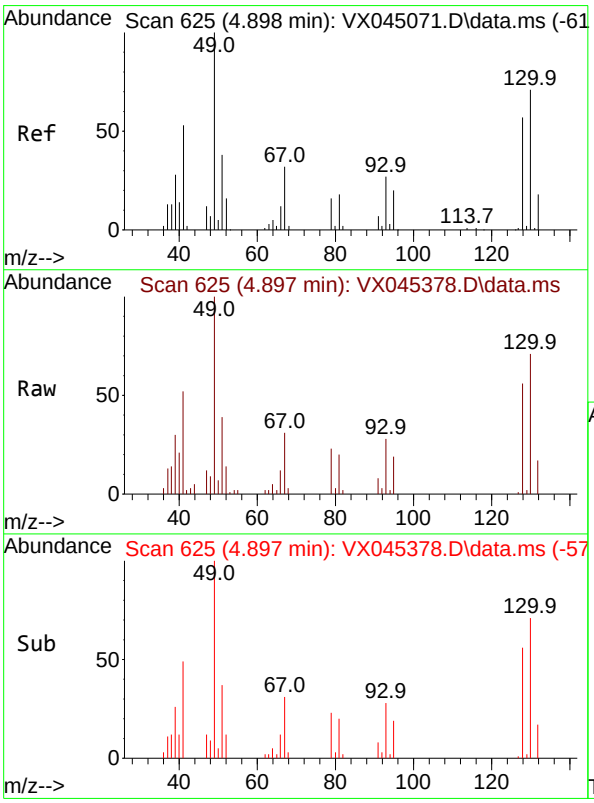
#27
cis-1,2-Dichloroethene
Concen: 19.357 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Tgt Ion: 96 Resp: 28067

Ion	Ratio	Lower	Upper
96	100		
61	148.8	0.0	283.2
98	62.1	0.0	128.0

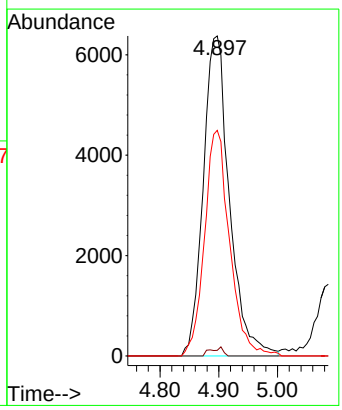


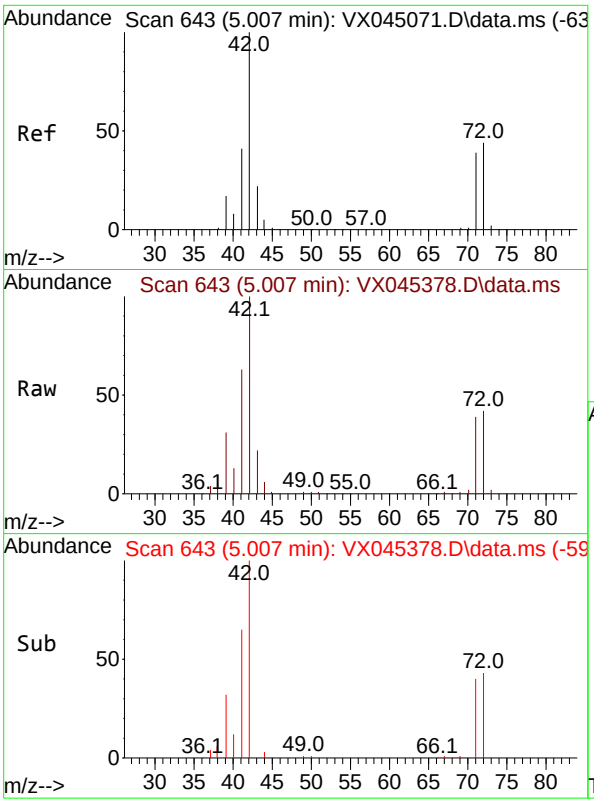


#28
Bromochloromethane
Concen: 17.204 ug/l
RT: 4.897 min Scan# 625
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion: 49 Resp: 19780

Ion	Ratio	Lower	Upper
49	100		
129	1.3	0.0	3.4
130	67.6	56.1	84.1



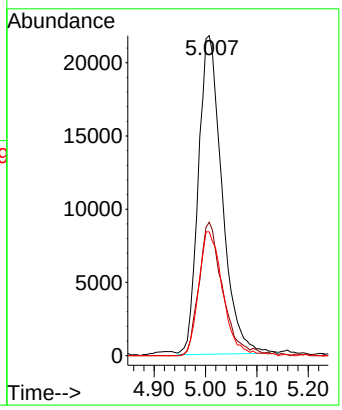


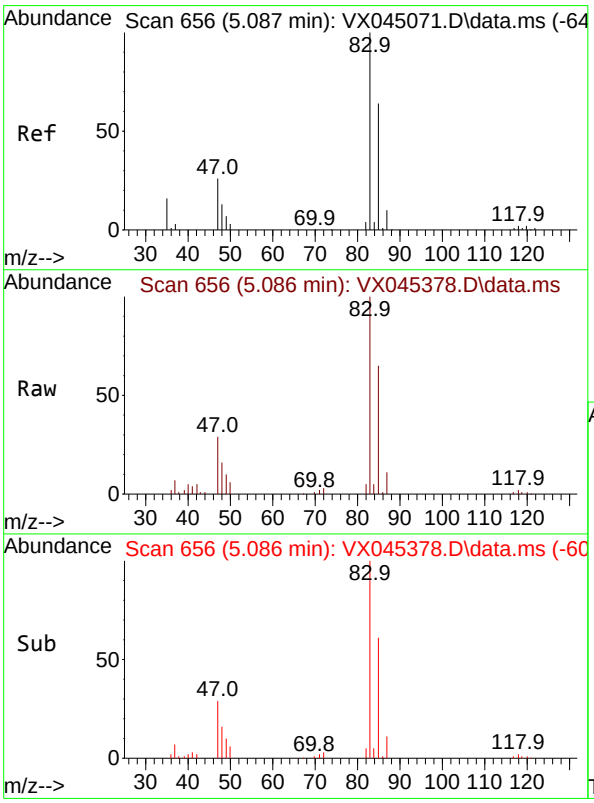
#29
Tetrahydrofuran
Concen: 96.293 ug/l
RT: 5.007 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Tgt Ion: 42 Resp: 69505

Ion	Ratio	Lower	Upper
42	100		
72	42.5	34.1	51.1
71	39.8	31.4	47.0

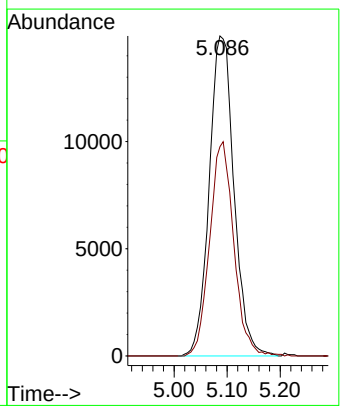


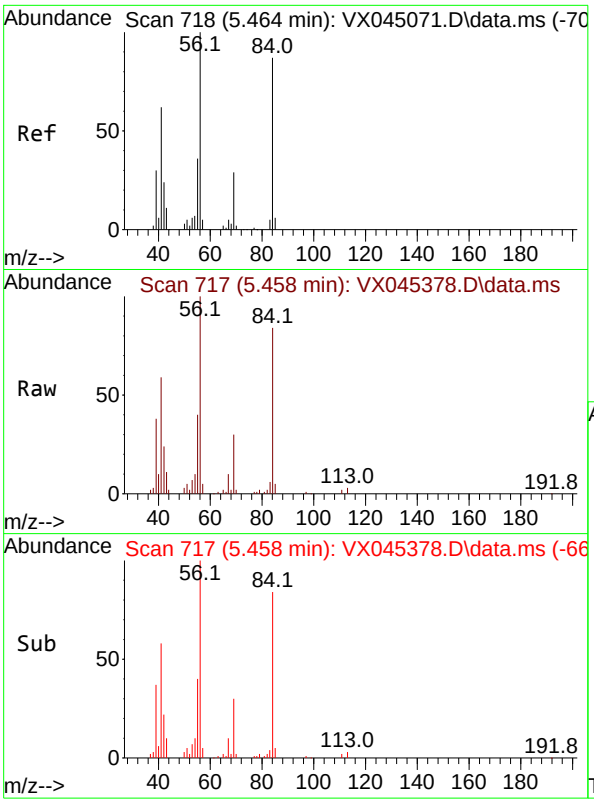


#30
Chloroform
Concen: 20.197 ug/l
RT: 5.086 min Scan# 656
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion: 83 Resp: 48407

Ion	Ratio	Lower	Upper
83	100		
85	65.4	51.4	77.2



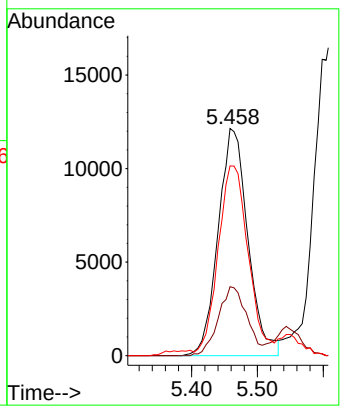


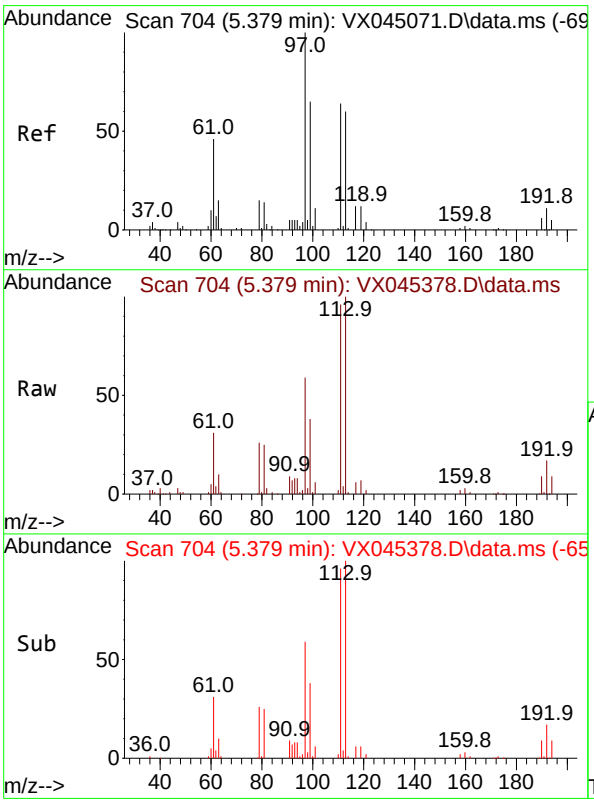
#31
Cyclohexane
Concen: 18.278 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Tgt Ion: 56 Resp: 38272

Ion	Ratio	Lower	Upper
56	100		
69	30.4	23.4	35.2
84	81.7	69.4	104.2

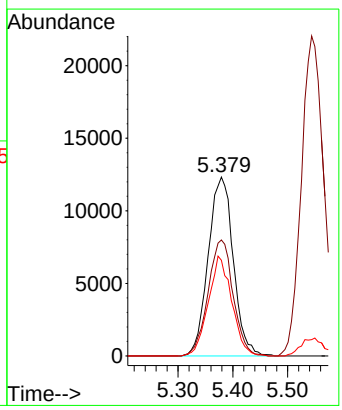


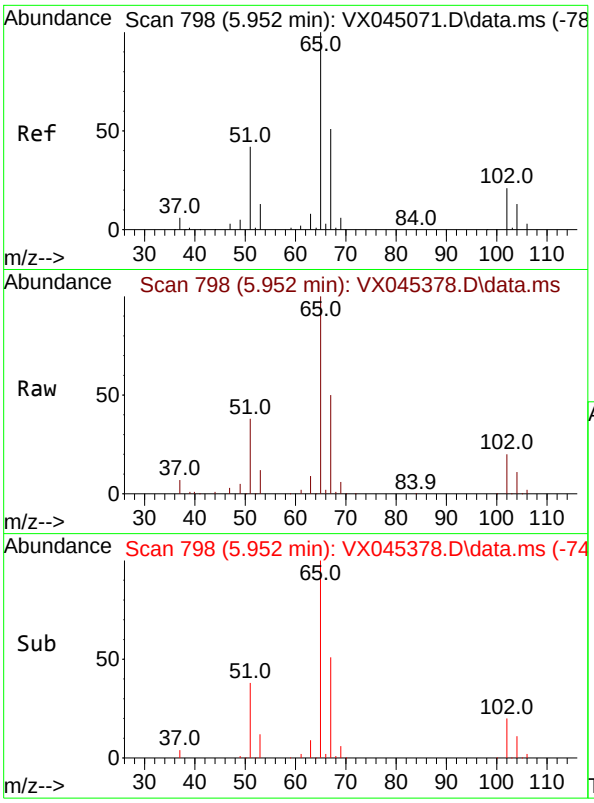


#32
1,1,1-Trichloroethane
Concen: 20.252 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion: 97 Resp: 39203

Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.6	77.4
61	52.1	38.4	57.6



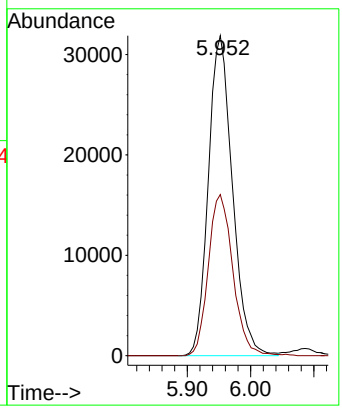


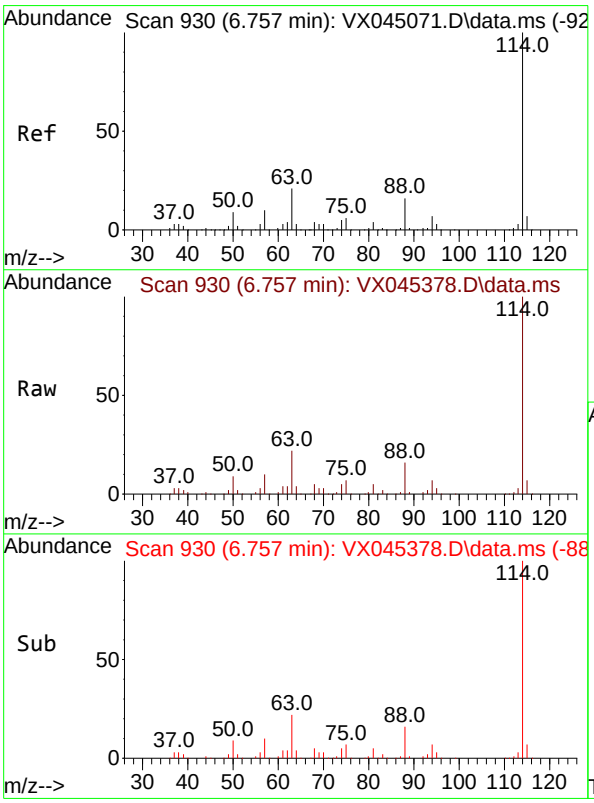
#33
1,2-Dichloroethane-d4
Concen: 54.764 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Tgt Ion: 65 Resp: 84283

Ion	Ratio	Lower	Upper
65	100		
67	51.5	0.0	106.2

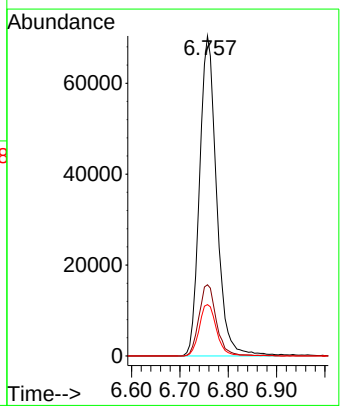


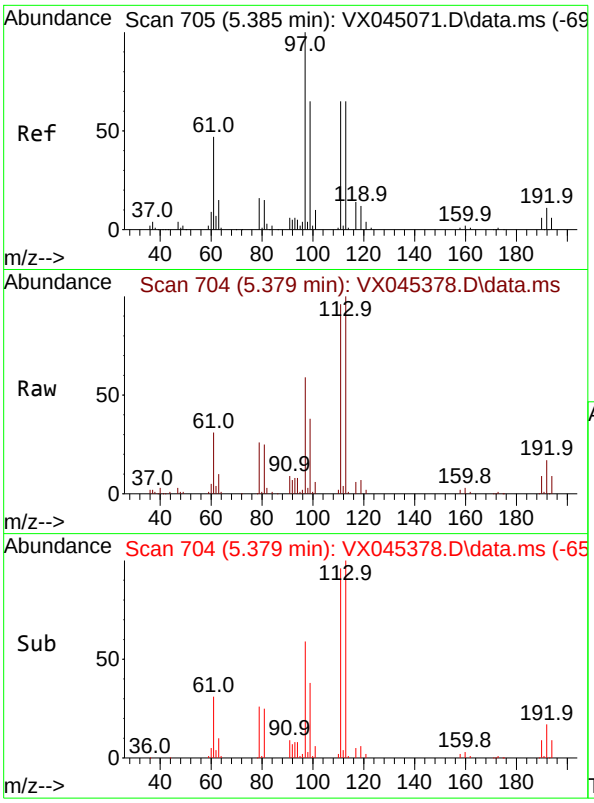


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion:114 Resp: 172413

Ion	Ratio	Lower	Upper
114	100		
63	22.2	0.0	41.8
88	16.0	0.0	32.8



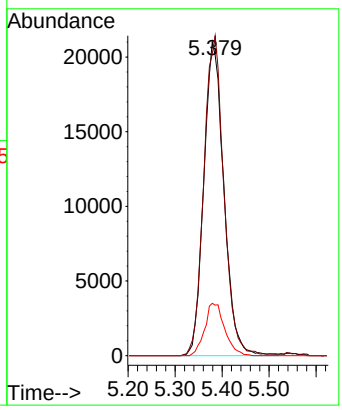


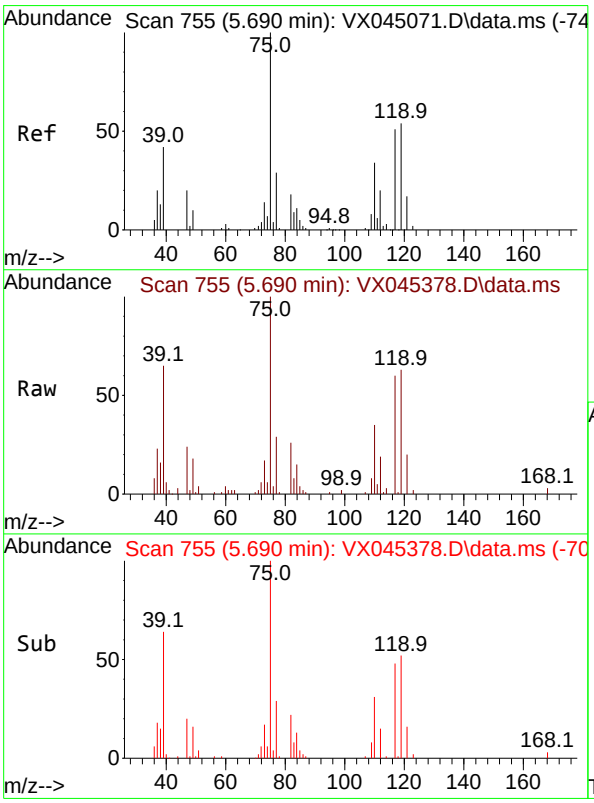
#35
Dibromofluoromethane
Concen: 54.092 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Tgt Ion:113 Resp: 62362

Ion	Ratio	Lower	Upper
113	100		
111	101.5	81.8	122.6
192	16.6	14.3	21.5

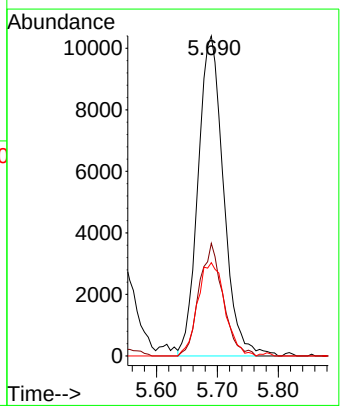


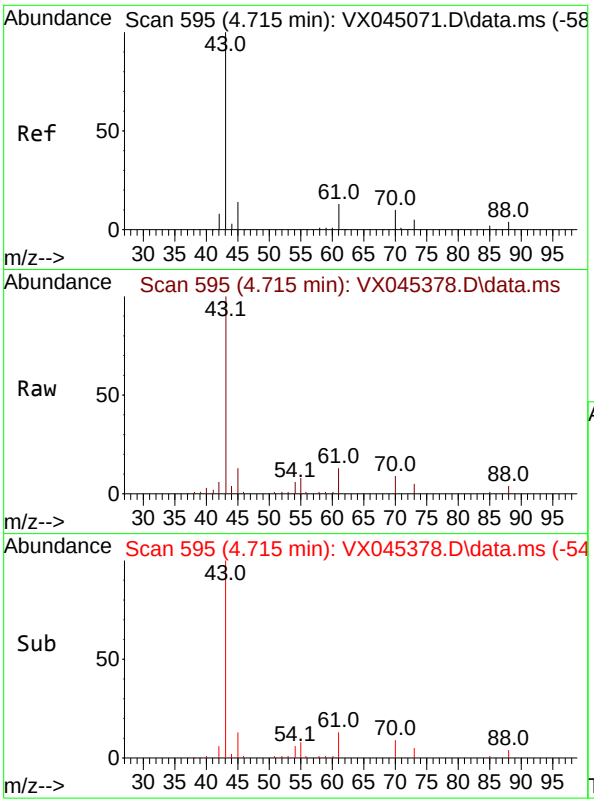


#36
1,1-Dichloropropene
Concen: 19.120 ug/l
RT: 5.690 min Scan# 755
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion: 75 Resp: 30230

Ion	Ratio	Lower	Upper
75	100		
110	32.9	16.9	50.6
77	31.1	24.5	36.7



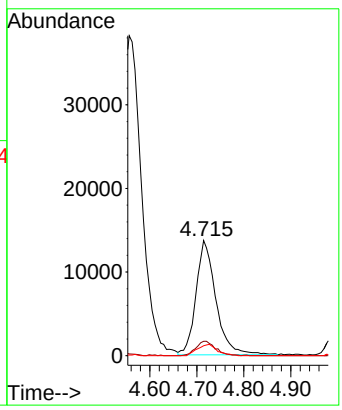


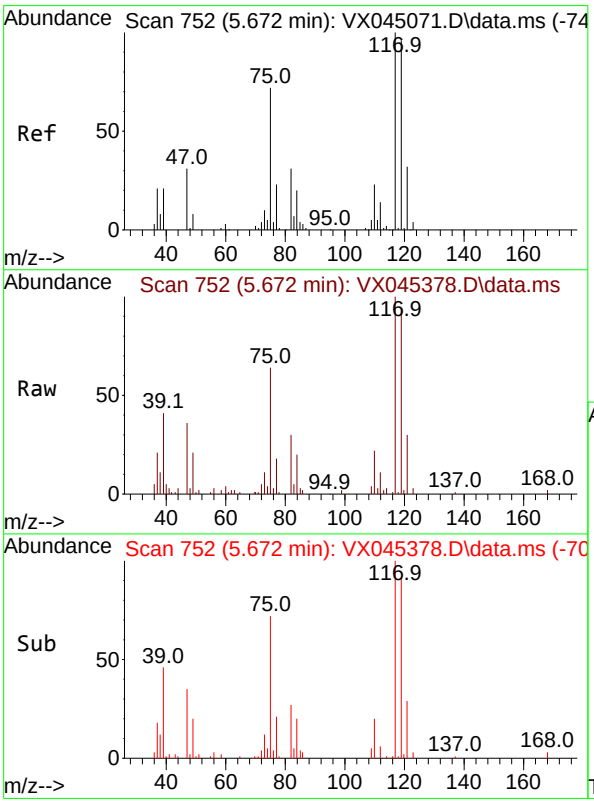
#37
Ethyl Acetate
Concen: 19.773 ug/l
RT: 4.715 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Tgt Ion: 43 Resp: 40284

Ion	Ratio	Lower	Upper
43	100		
61	12.4	10.8	16.2
70	9.8	7.7	11.5

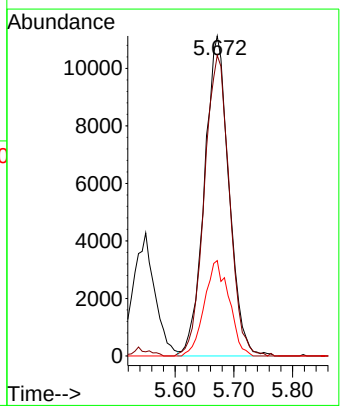


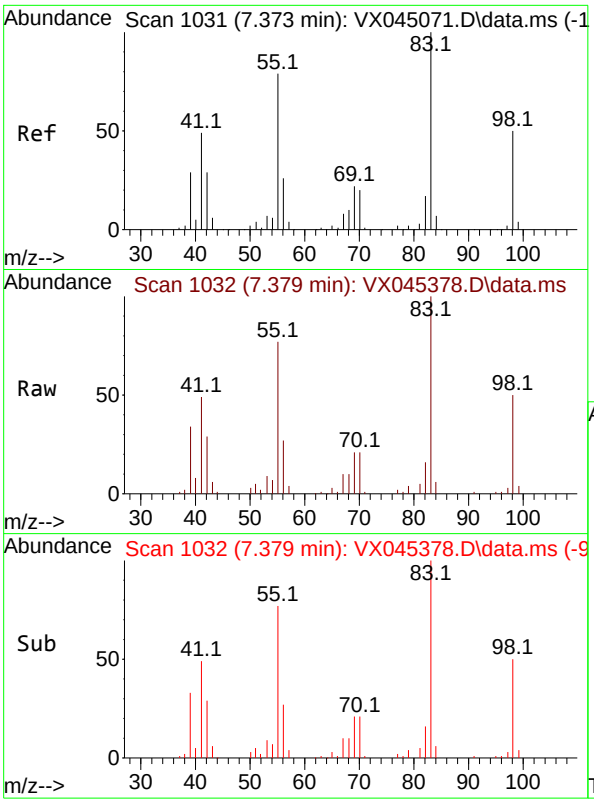


#38
Carbon Tetrachloride
Concen: 20.091 ug/l
RT: 5.672 min Scan# 752
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion:117 Resp: 32250

Ion	Ratio	Lower	Upper
117	100		
119	93.9	76.7	115.1
121	29.8	25.5	38.3



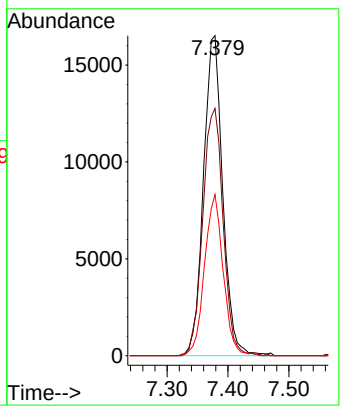


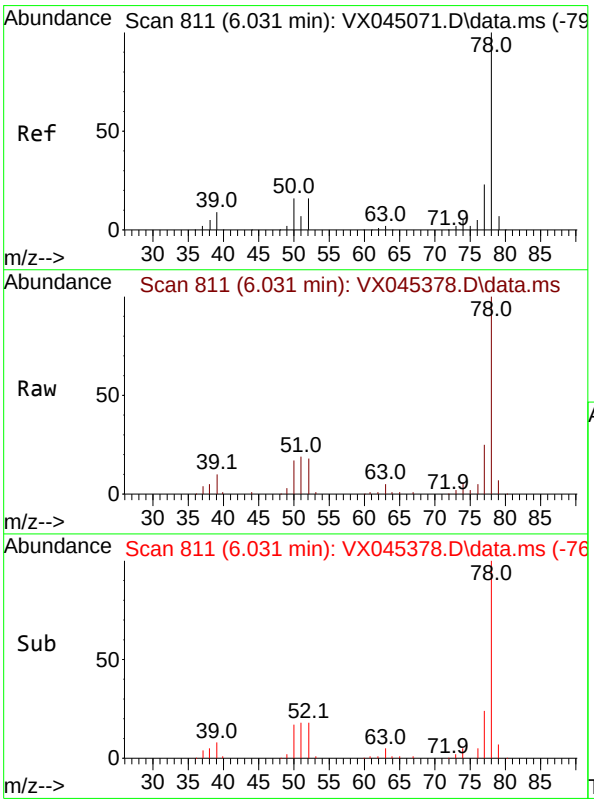
#39
Methylcyclohexane
Concen: 19.149 ug/l
RT: 7.379 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Tgt Ion: 83 Resp: 36277

Ion	Ratio	Lower	Upper
83	100		
55	77.3	63.0	94.4
98	50.4	39.7	59.5

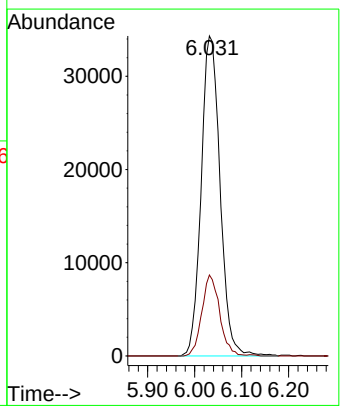


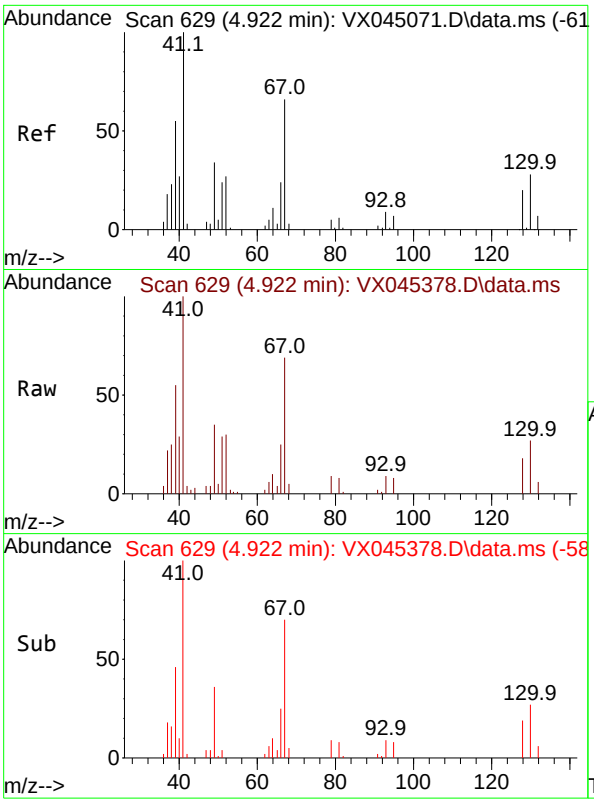


#40
Benzene
Concen: 19.193 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion: 78 Resp: 95825

Ion	Ratio	Lower	Upper
78	100		
77	25.3	18.8	28.2



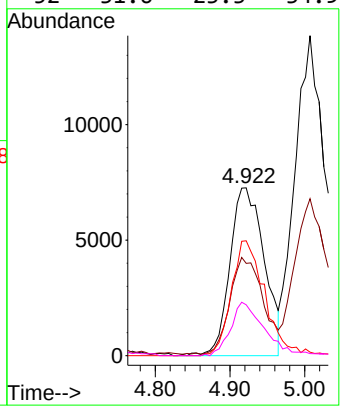


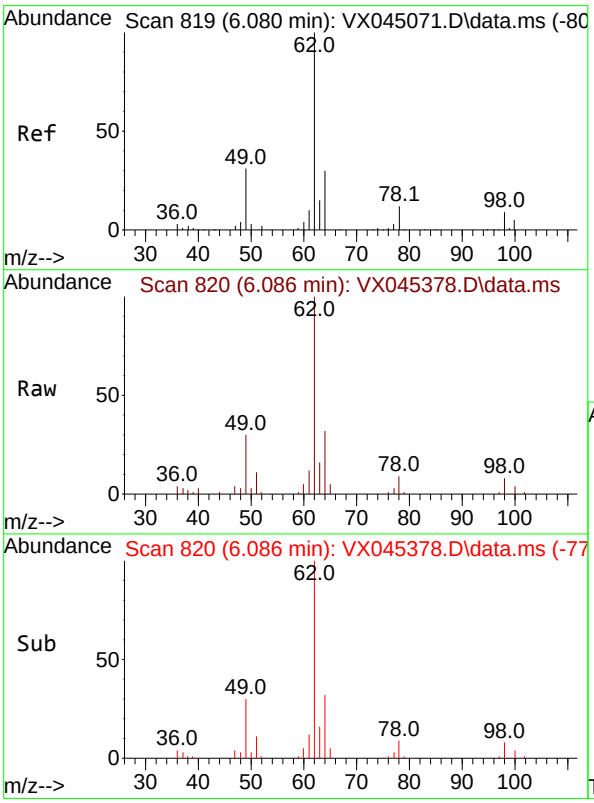
#41
Methacrylonitrile
Concen: 21.072 ug/l
RT: 4.922 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Tgt Ion: 41 Resp: 23213

Ion	Ratio	Lower	Upper
41	100		
39	55.6	44.6	67.0
67	67.4	53.9	80.9
52	31.6	23.3	34.9

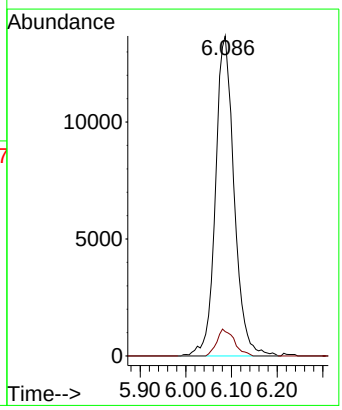


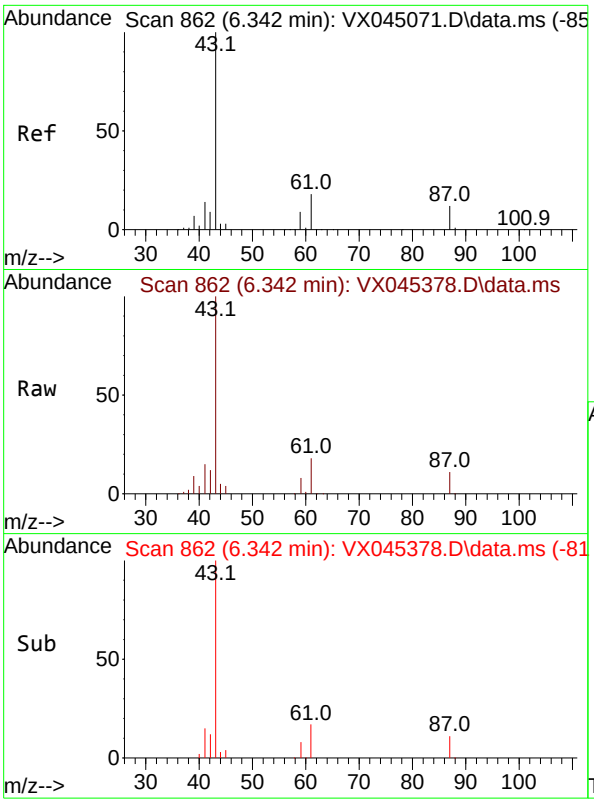


#42
1,2-Dichloroethane
Concen: 21.626 ug/l
RT: 6.086 min Scan# 820
Delta R.T. 0.006 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion: 62 Resp: 38881

Ion	Ratio	Lower	Upper
62	100		
98	7.9	0.0	18.2



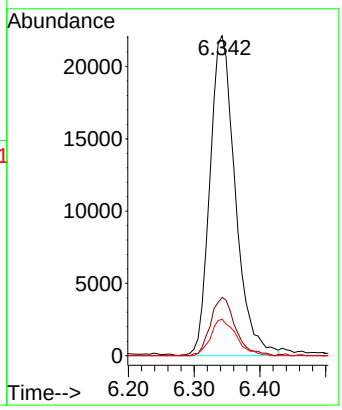


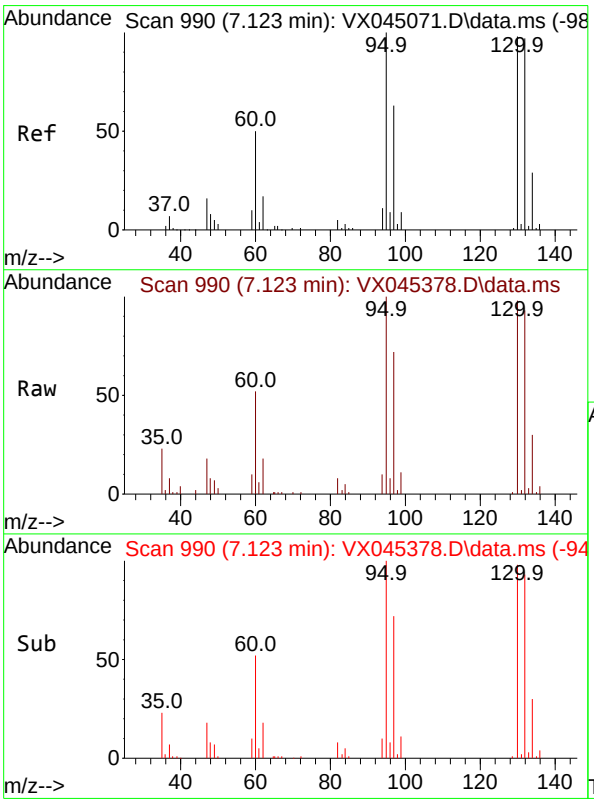
#43
Isopropyl Acetate
Concen: 19.752 ug/l
RT: 6.342 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Tgt Ion: 43 Resp: 59503

Ion	Ratio	Lower	Upper
43	100		
61	17.8	14.9	22.3
87	11.4	9.4	14.2

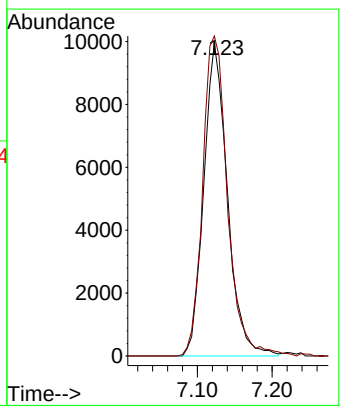


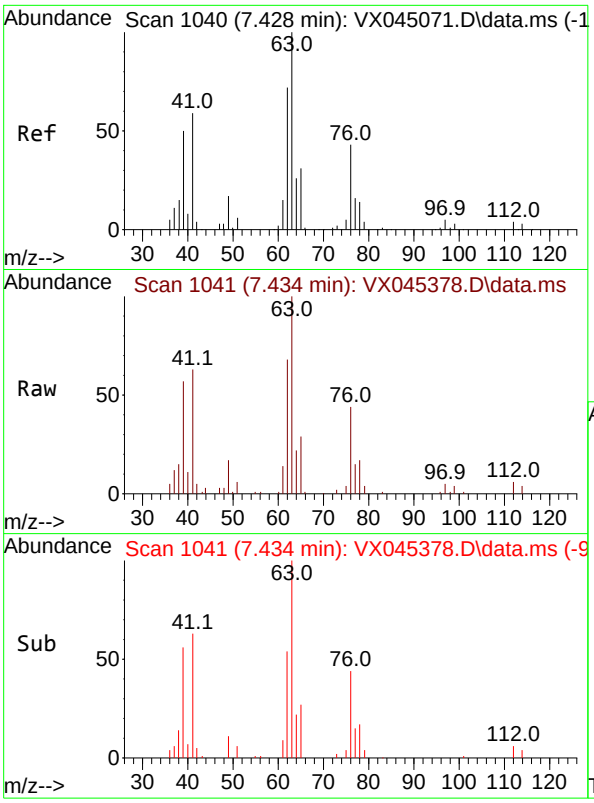


#44
Trichloroethene
Concen: 18.686 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion:130 Resp: 21906

Ion	Ratio	Lower	Upper
130	100		
95	102.3	0.0	205.0



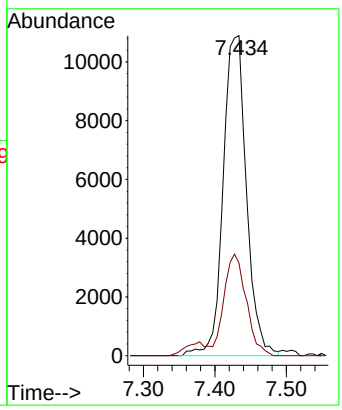


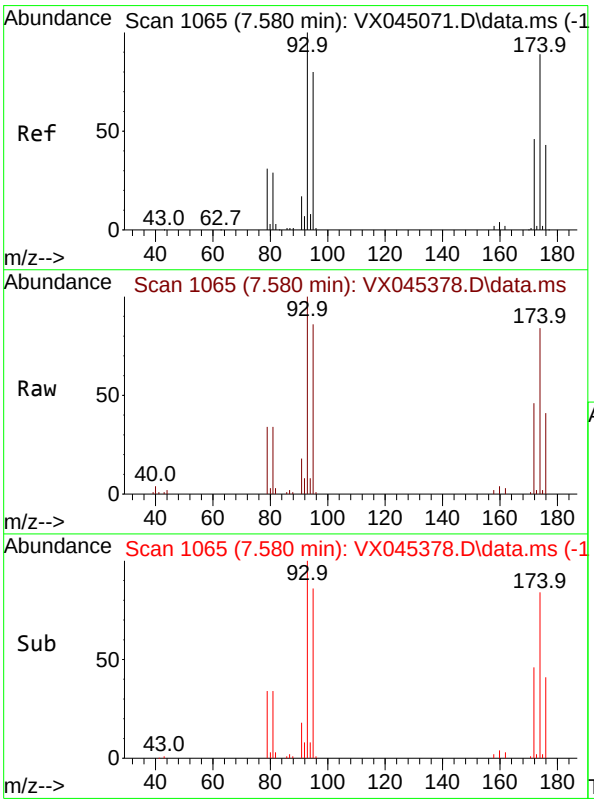
#45
1,2-Dichloropropane
Concen: 19.215 ug/l
RT: 7.434 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Tgt Ion: 63 Resp: 24666

Ion	Ratio	Lower	Upper
63	100		
65	28.9	24.7	37.1

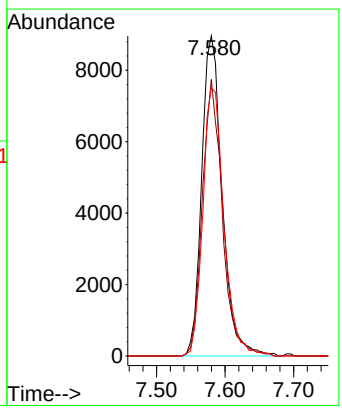


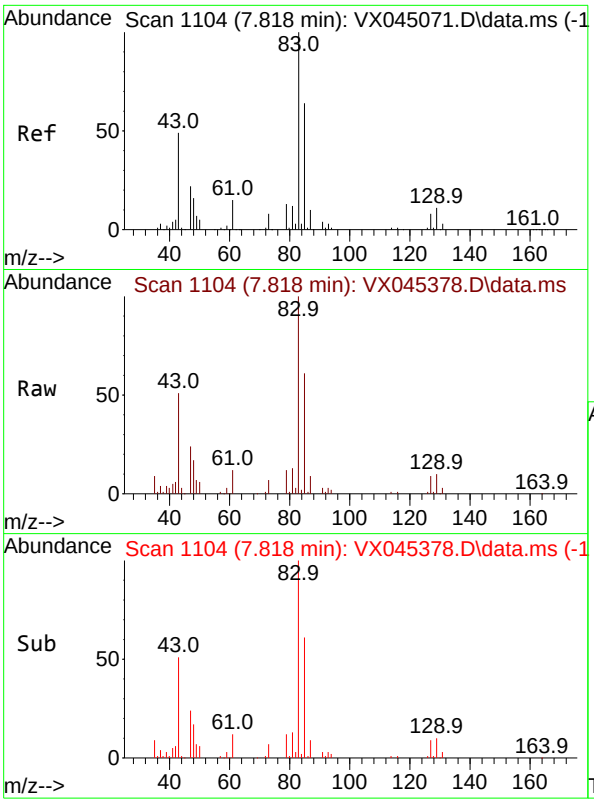


#46
Dibromomethane
Concen: 20.550 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion: 93 Resp: 18645

Ion	Ratio	Lower	Upper
93	100		
95	84.2	65.8	98.8
174	86.1	72.2	108.2



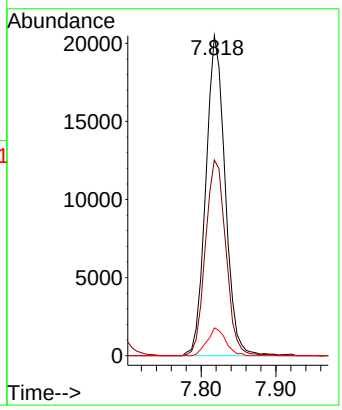


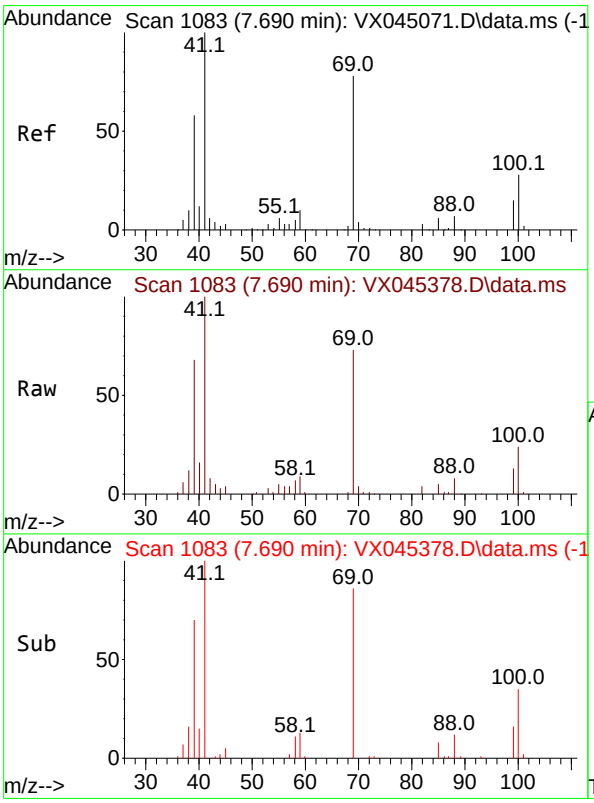
#47
Bromodichloromethane
Concen: 20.676 ug/l
RT: 7.818 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Tgt Ion: 83 Resp: 36796

Ion	Ratio	Lower	Upper
83	100		
85	61.1	51.1	76.7
127	8.7	6.4	9.6

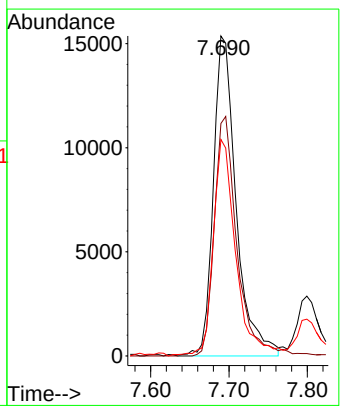


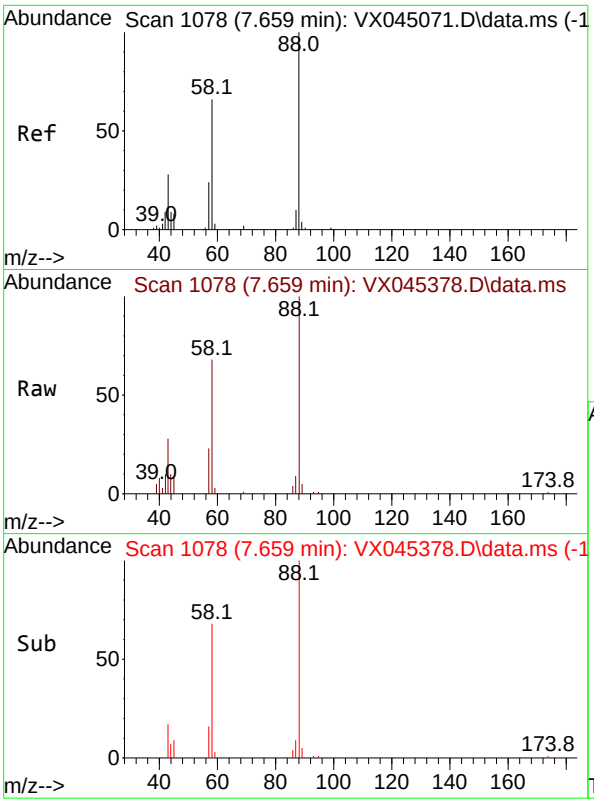


#48
Methyl methacrylate
Concen: 20.561 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion: 41 Resp: 31076

Ion	Ratio	Lower	Upper
41	100		
69	75.2	63.0	94.6
39	67.1	47.5	71.3



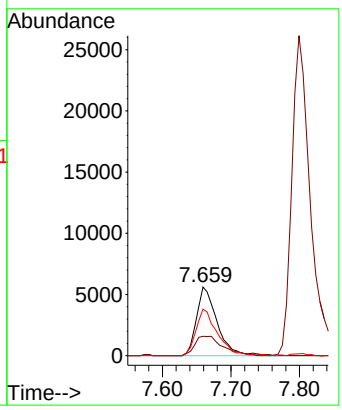


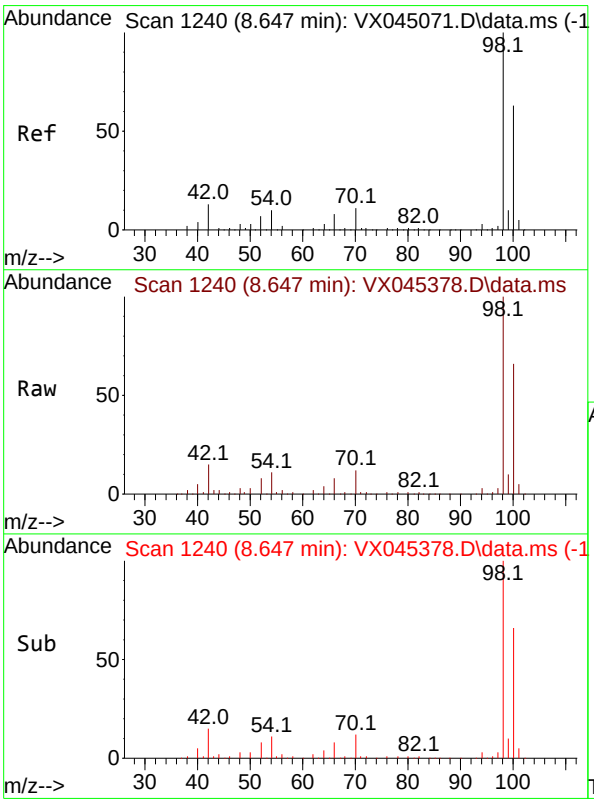
#49
1,4-Dioxane
Concen: 367.178 ug/l
RT: 7.659 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Tgt Ion: 88 Resp: 11706

Ion	Ratio	Lower	Upper
88	100		
43	38.3	28.7	43.1
58	69.5	55.8	83.8

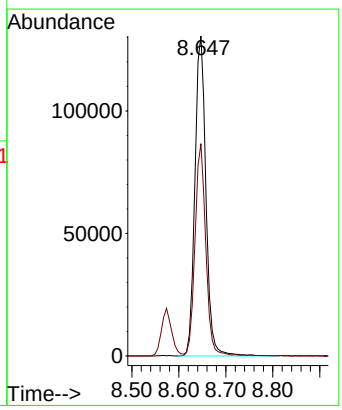


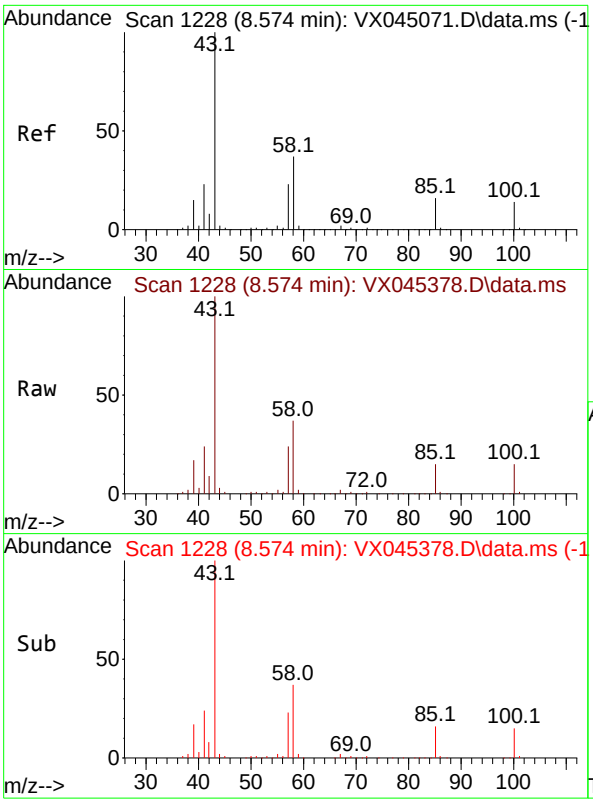


#50
Toluene-d8
Concen: 51.247 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion: 98 Resp: 214191

Ion	Ratio	Lower	Upper
98	100		
100	64.9	52.0	78.0



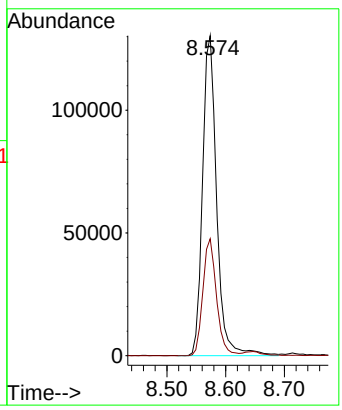


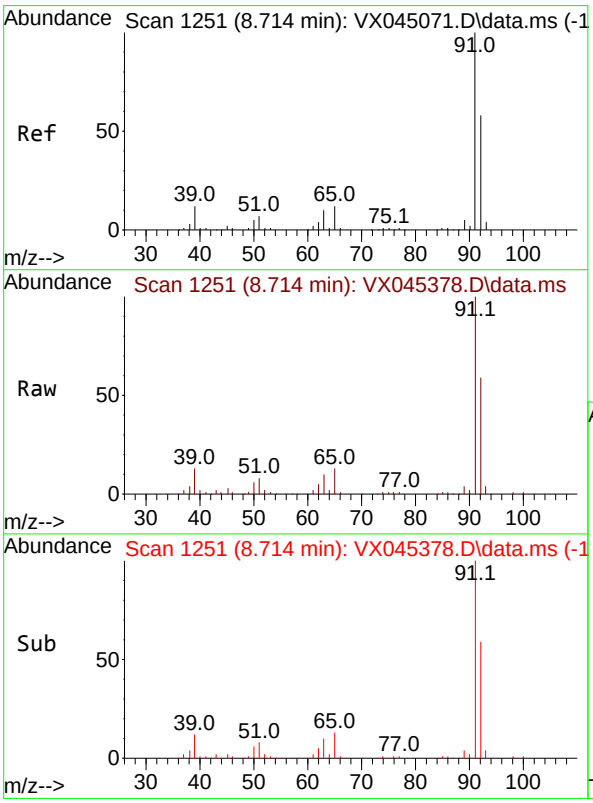
#51
4-Methyl-2-Pentanone
Concen: 107.651 ug/l
RT: 8.574 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Tgt Ion: 43 Resp: 217755

Ion	Ratio	Lower	Upper
43	100		
58	35.3	29.2	43.8

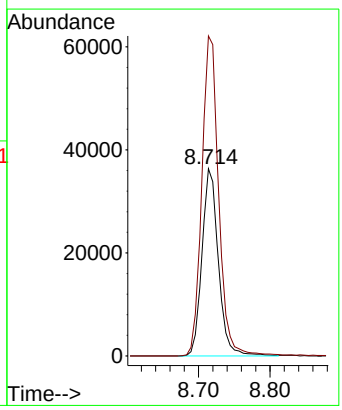


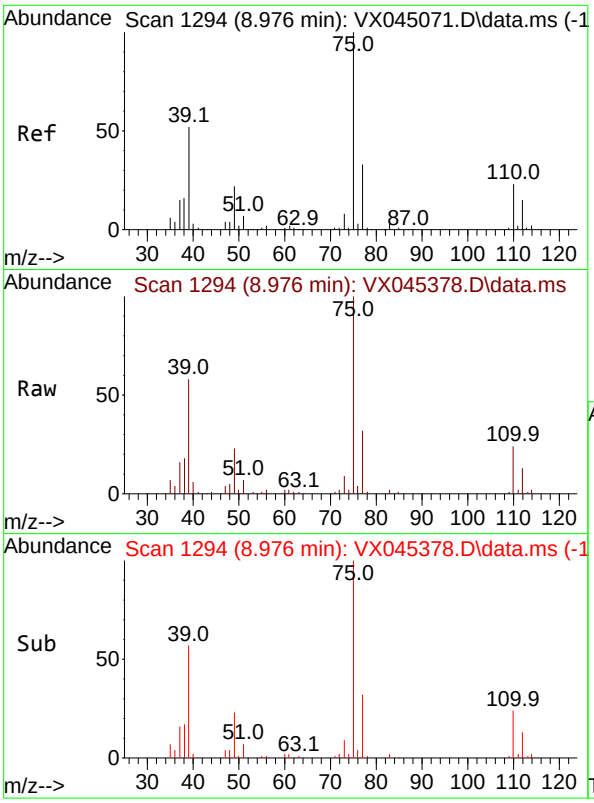


#52
Toluene
Concen: 19.806 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion: 92 Resp: 58017

Ion	Ratio	Lower	Upper
92	100		
91	176.9	138.9	208.3



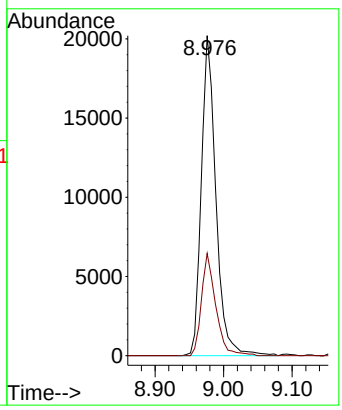


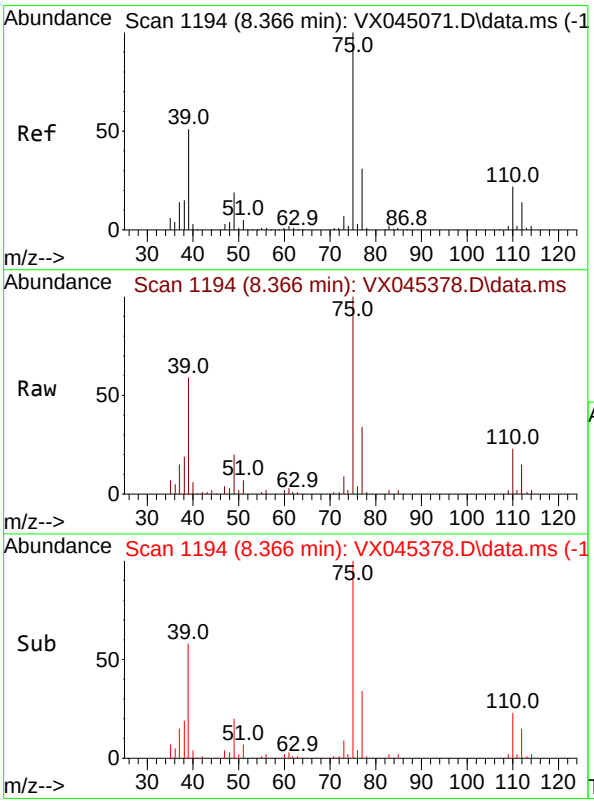
#53
t-1,3-Dichloropropene
Concen: 20.126 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Tgt Ion: 75 Resp: 29944

Ion	Ratio	Lower	Upper
75	100		
77	31.9	26.5	39.7

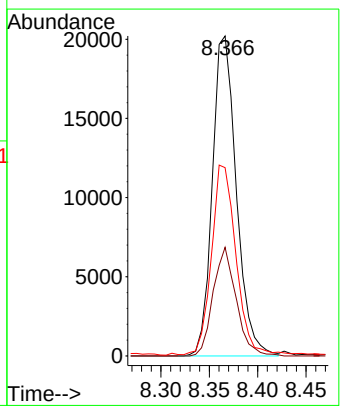


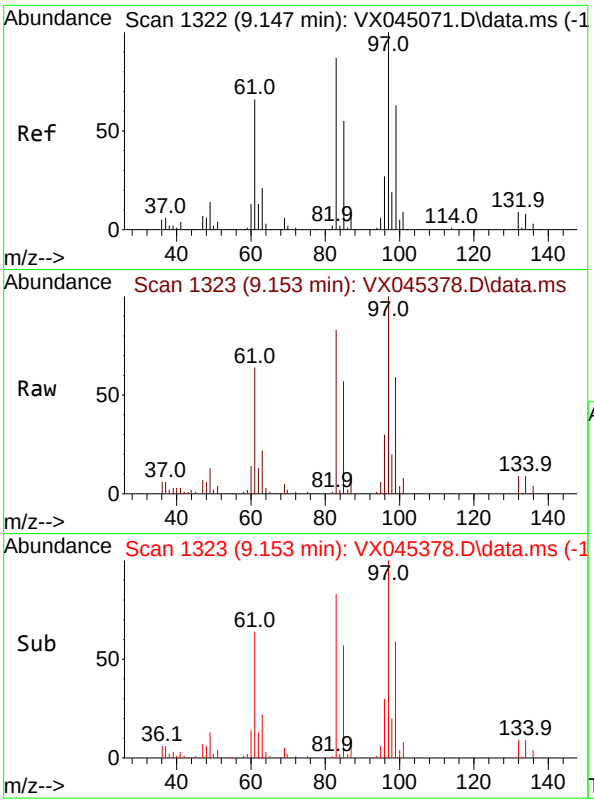


#54
cis-1,3-Dichloropropene
Concen: 20.118 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion: 75 Resp: 34903

Ion	Ratio	Lower	Upper
75	100		
77	33.9	24.7	37.1
39	58.4	40.7	61.1



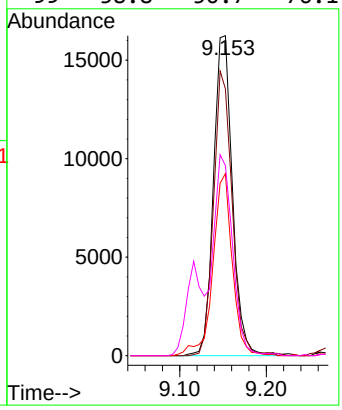


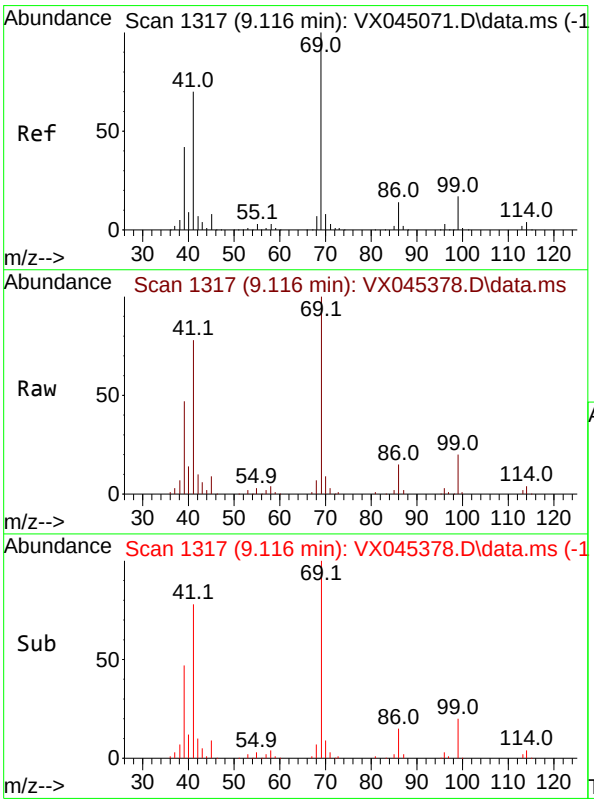
#55
1,1,2-Trichloroethane
Concen: 20.419 ug/l
RT: 9.153 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Tgt Ion: 97 Resp: 24624

Ion	Ratio	Lower	Upper
97	100		
83	83.4	69.4	104.2
85	56.9	44.1	66.1
99	58.8	50.7	76.1

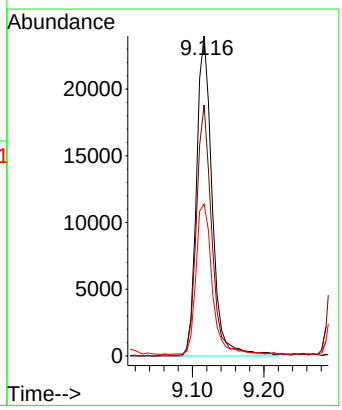


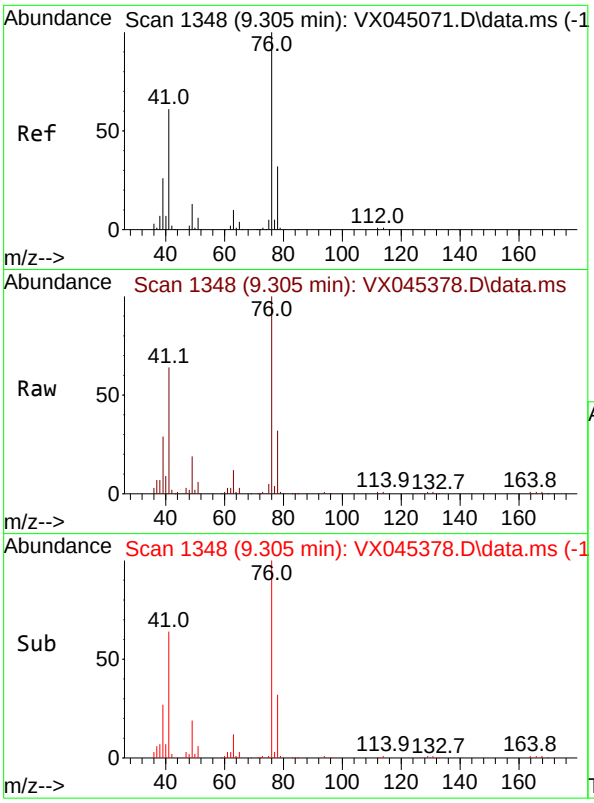


#56
Ethyl methacrylate
Concen: 19.895 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion: 69 Resp: 36468

Ion	Ratio	Lower	Upper
69	100		
41	75.9	57.0	85.4
39	49.7	34.2	51.4



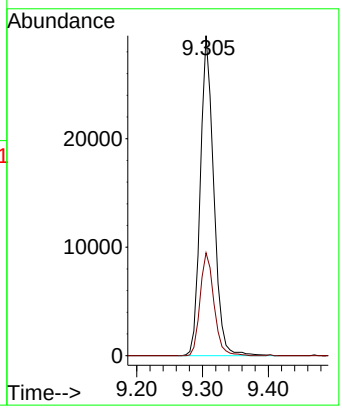


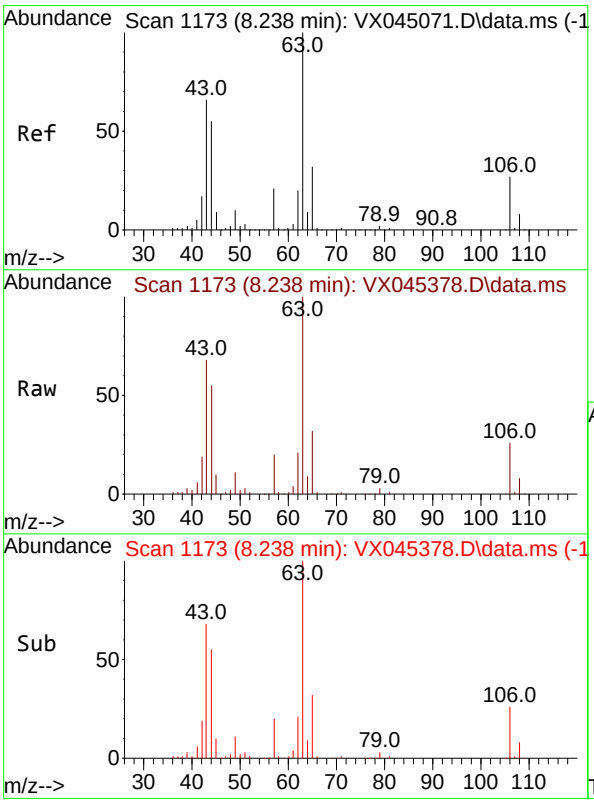
#57
1,3-Dichloropropane
Concen: 20.051 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Tgt Ion: 76 Resp: 41844

Ion	Ratio	Lower	Upper
76	100		
78	33.1	25.5	38.3

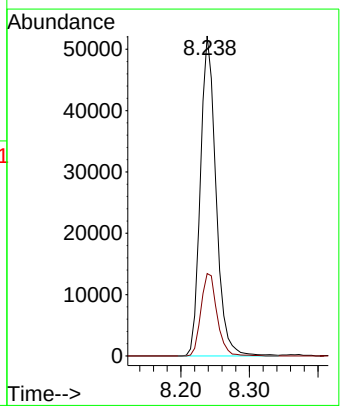


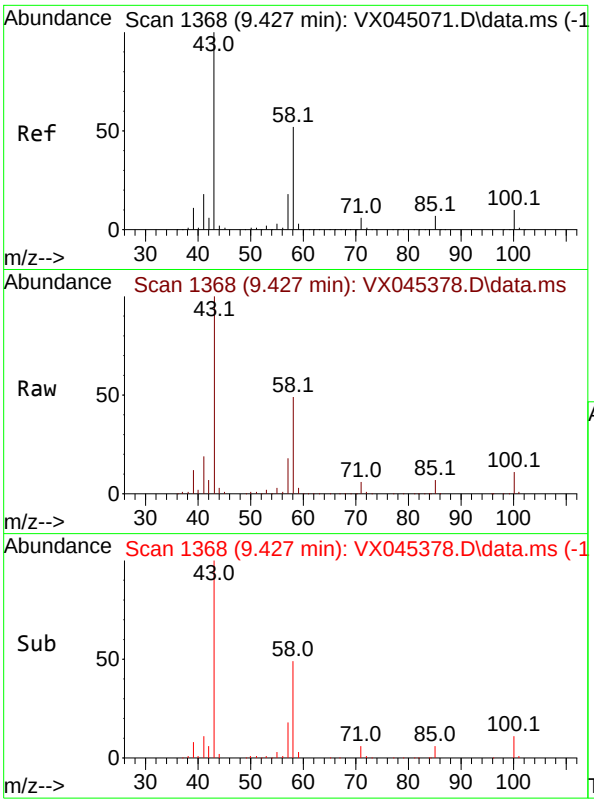


#58
2-Chloroethyl Vinyl ether
Concen: 92.534 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion: 63 Resp: 82742

Ion	Ratio	Lower	Upper
63	100		
106	26.5	21.5	32.3



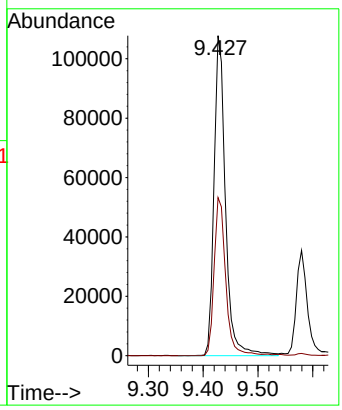


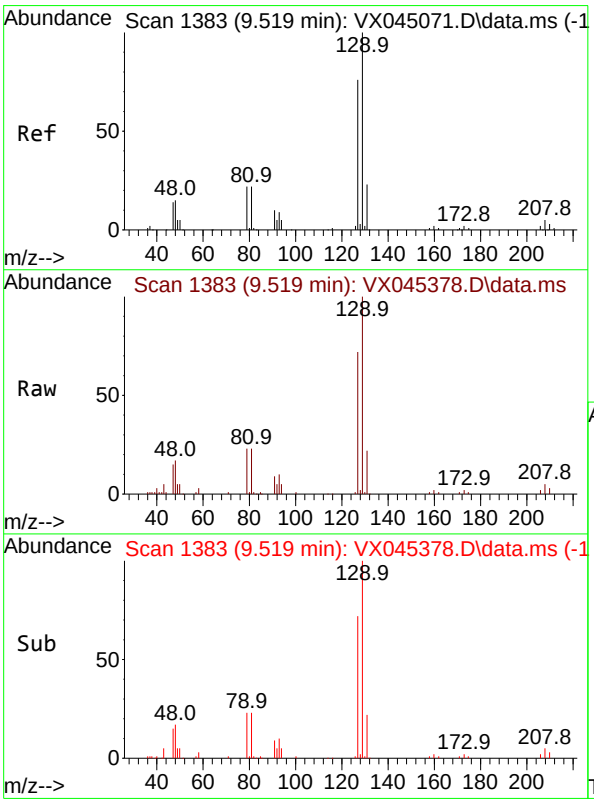
#59
2-Hexanone
Concen: 106.568 ug/l
RT: 9.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Tgt Ion: 43 Resp: 156185

Ion	Ratio	Lower	Upper
43	100		
58	50.4	25.9	77.6

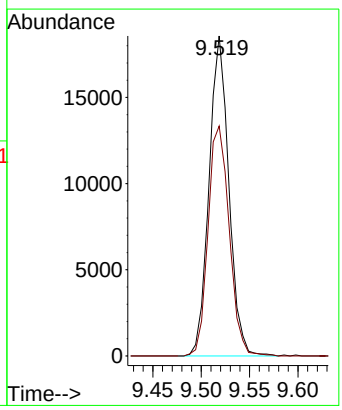


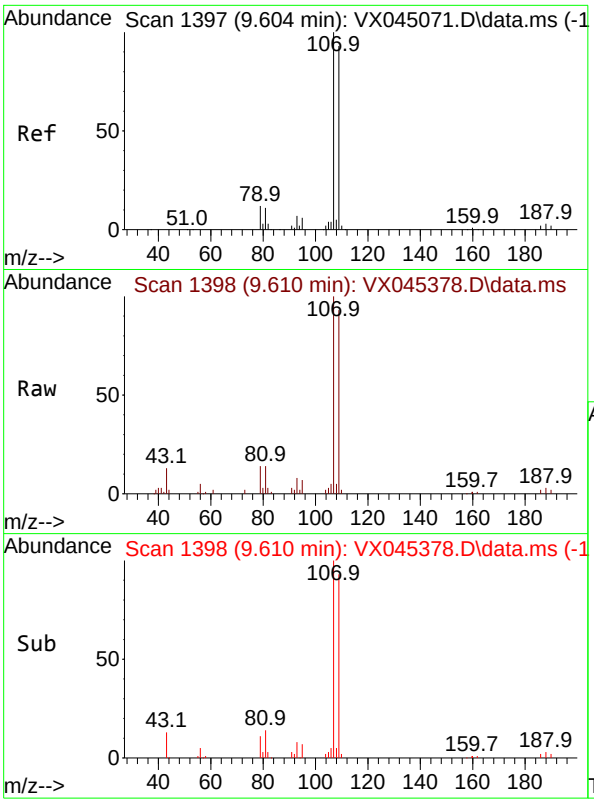


#60
Dibromochloromethane
Concen: 20.953 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion:129 Resp: 26419

Ion	Ratio	Lower	Upper
129	100		
127	76.8	38.5	115.5



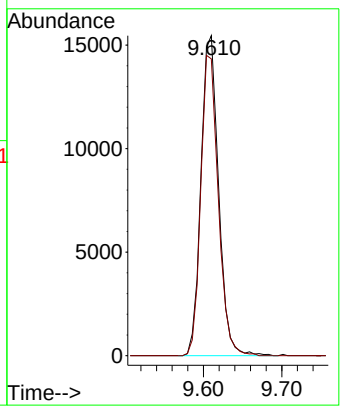


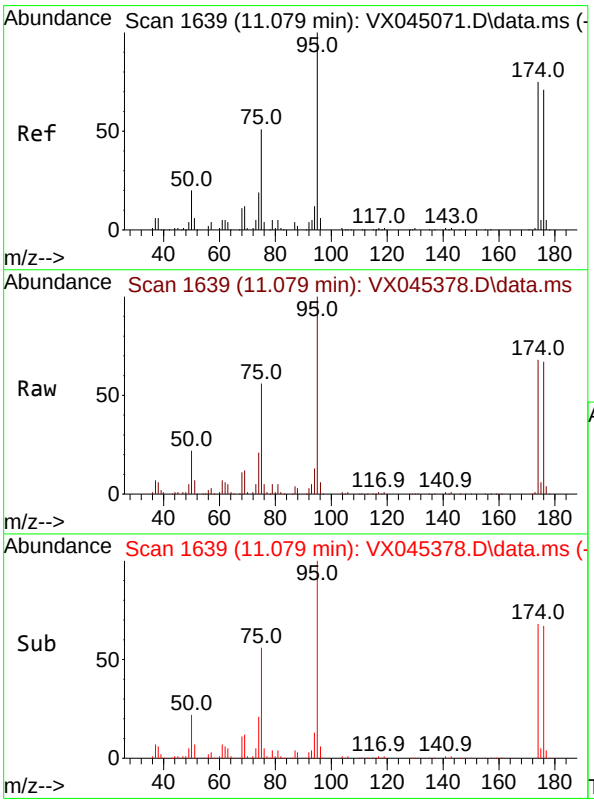
#61
1,2-Dibromoethane
Concen: 20.026 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Tgt Ion:107 Resp: 24108

Ion	Ratio	Lower	Upper
107	100		
109	93.2	76.1	114.1

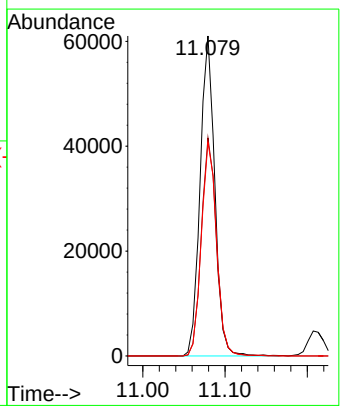


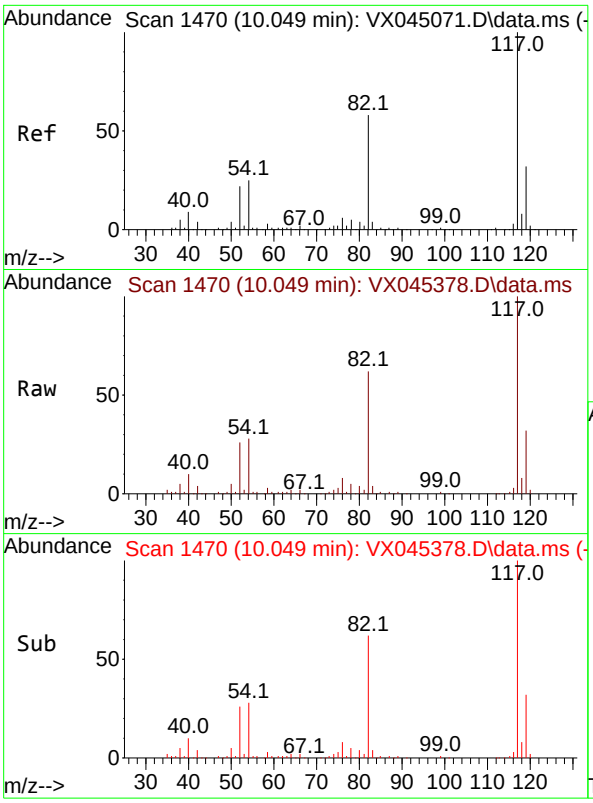


#62
4-Bromofluorobenzene
Concen: 54.664 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion: 95 Resp: 75709

Ion	Ratio	Lower	Upper
95	100		
174	69.4	0.0	148.2
176	69.3	0.0	141.4



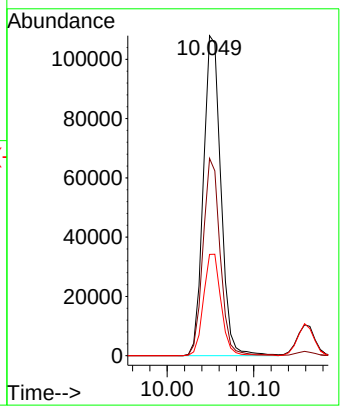


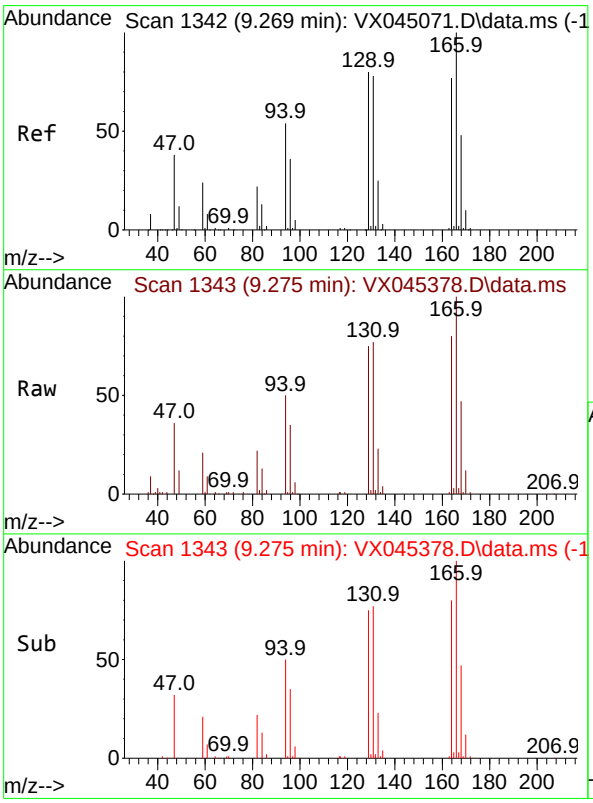
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Tgt Ion:117 Resp: 151575

Ion	Ratio	Lower	Upper
117	100		
82	61.7	46.3	69.5
119	31.7	25.7	38.5

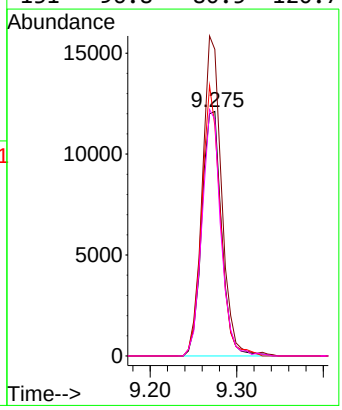


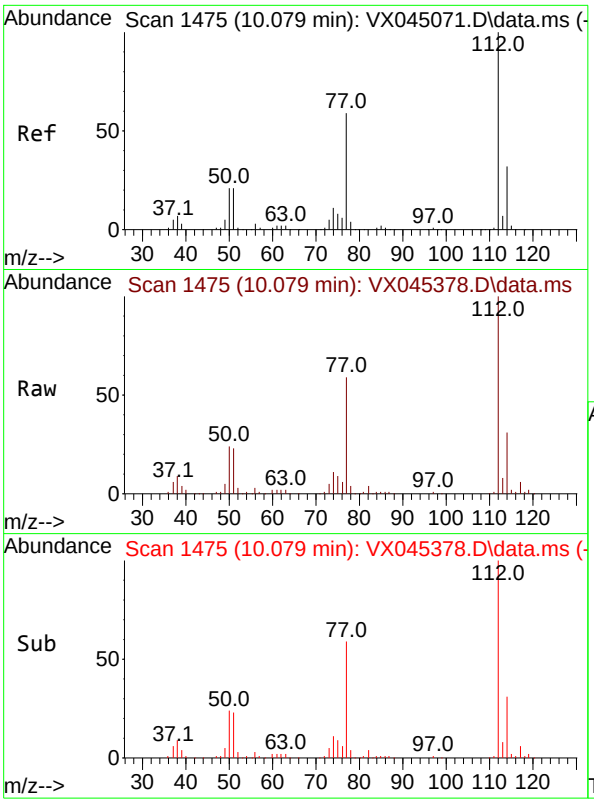


#64
Tetrachloroethene
Concen: 19.712 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.006 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion:164 Resp: 19136

Ion	Ratio	Lower	Upper
164	100		
166	125.4	103.6	155.4
129	94.1	82.7	124.1
131	96.8	80.5	120.7



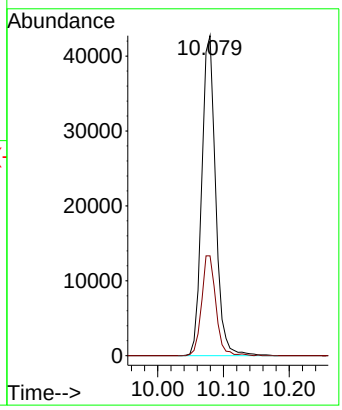


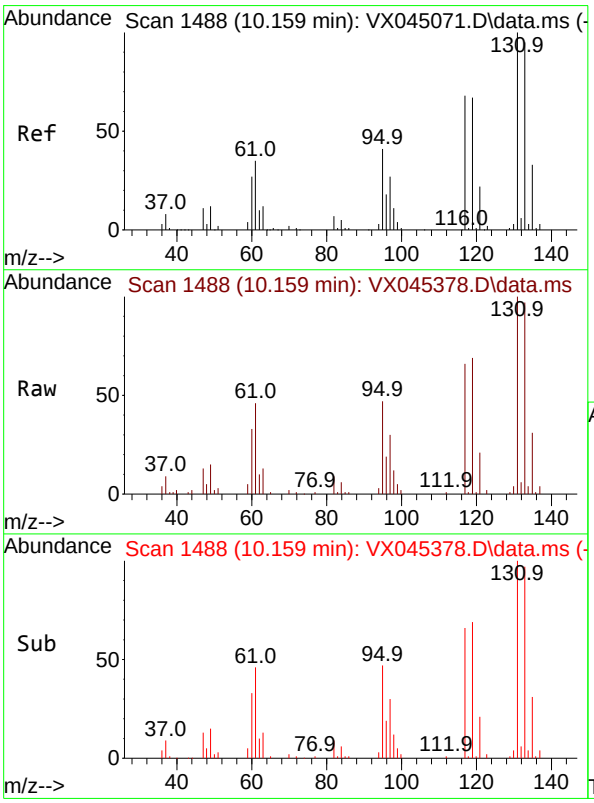
#65
Chlorobenzene
Concen: 19.520 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Tgt Ion:112 Resp: 62607

Ion	Ratio	Lower	Upper
112	100		
114	31.2	26.0	39.0

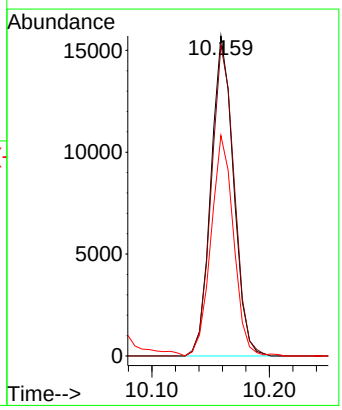


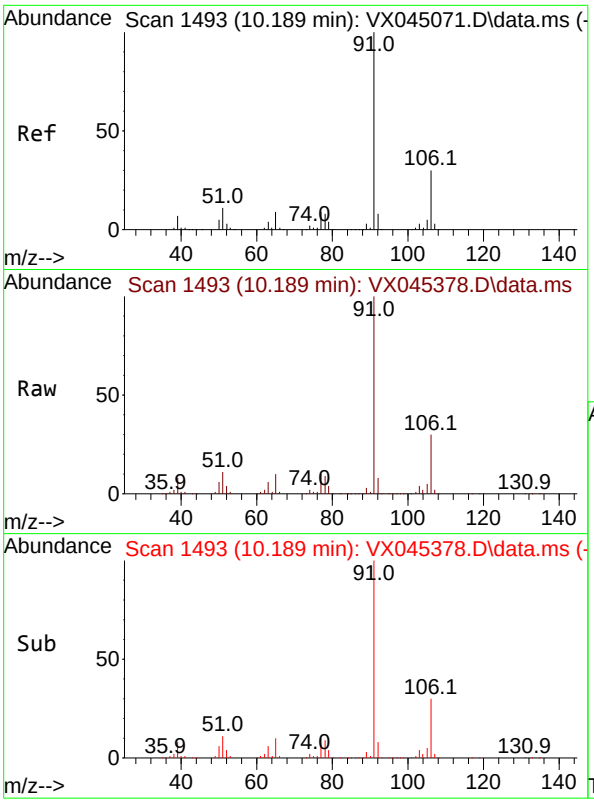


#66
1,1,1,2-Tetrachloroethane
Concen: 19.599 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion:131 Resp: 20934

Ion	Ratio	Lower	Upper
131	100		
133	98.8	48.6	145.9
119	68.9	33.9	101.7



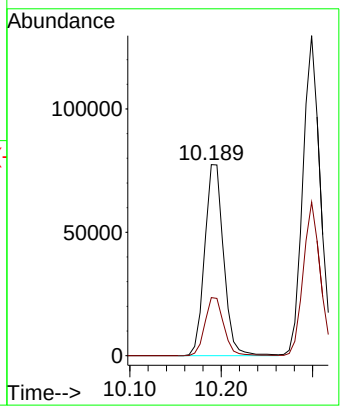


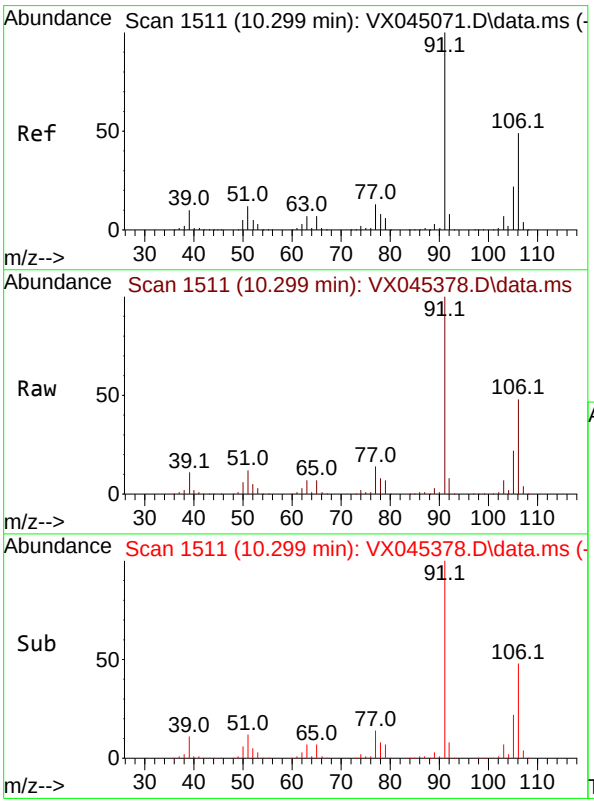
#67
Ethyl Benzene
Concen: 19.903 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Tgt Ion: 91 Resp: 111231

Ion	Ratio	Lower	Upper
91	100		
106	30.4	23.9	35.9

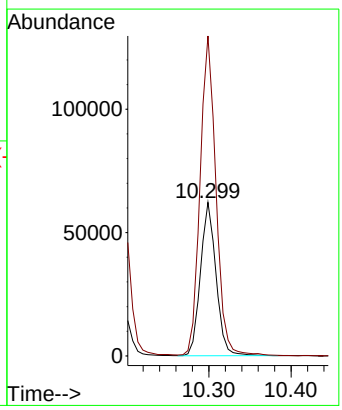


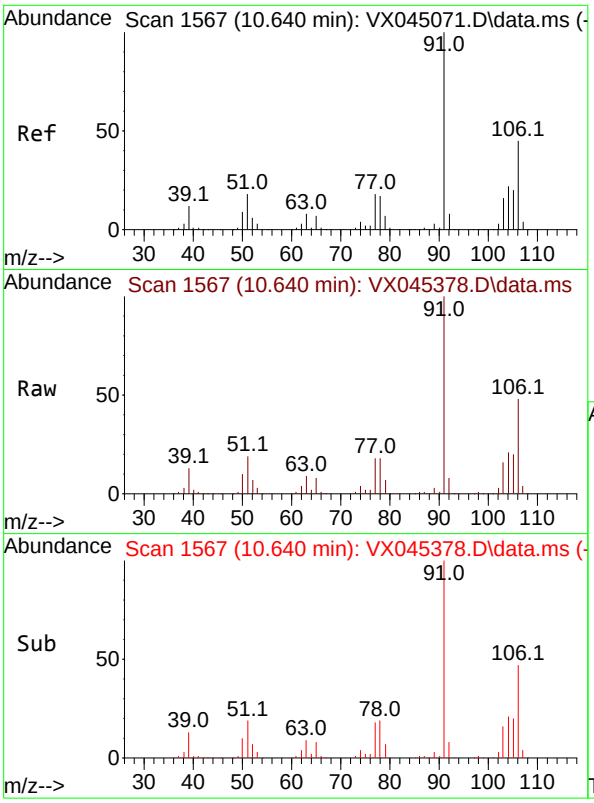


#68
m/p-Xylenes
Concen: 39.971 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion:106 Resp: 81773

Ion	Ratio	Lower	Upper
106	100		
91	213.2	165.4	248.0



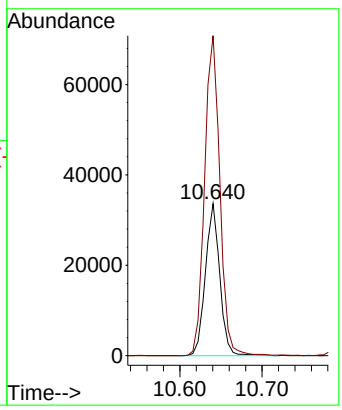


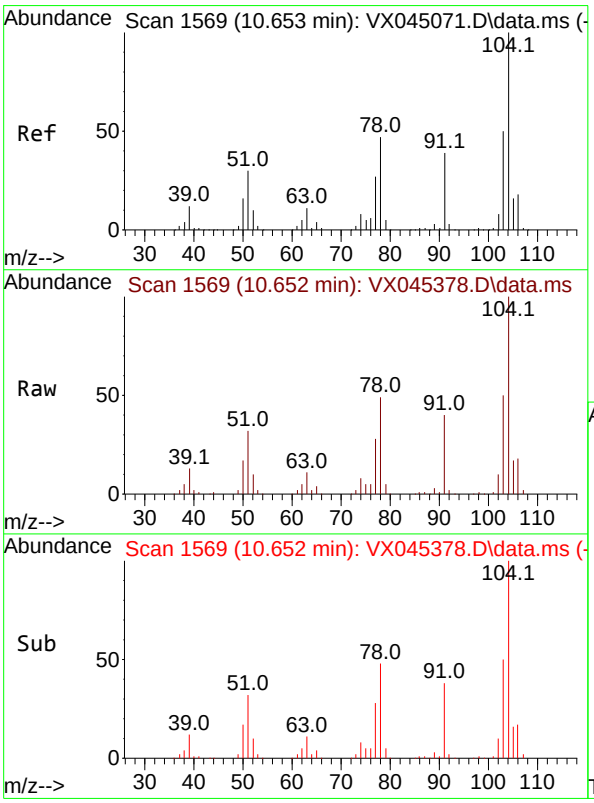
#69
o-Xylene
Concen: 19.764 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Tgt Ion:106 Resp: 40780

Ion	Ratio	Lower	Upper
106	100		
91	223.9	109.9	329.6

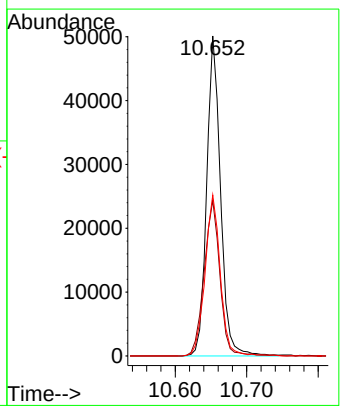


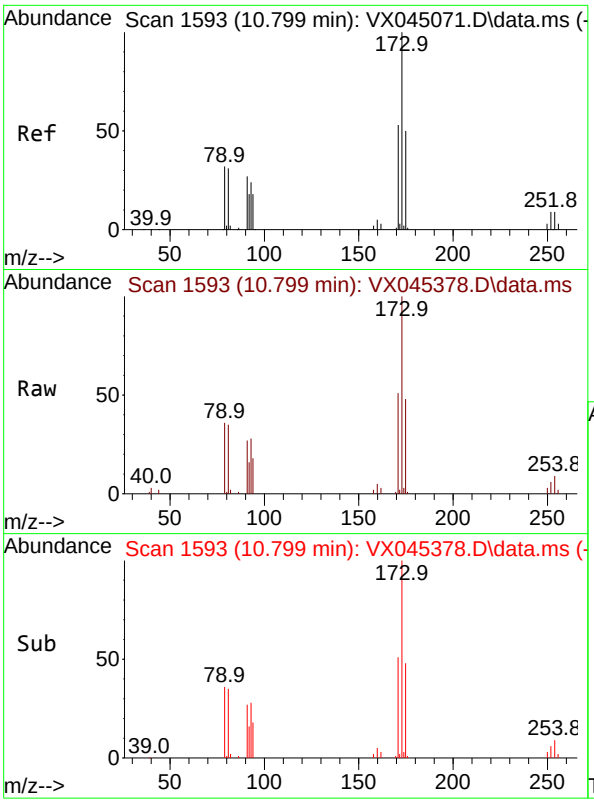


#70
Styrene
Concen: 20.243 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion:104 Resp: 67582

Ion	Ratio	Lower	Upper
104	100		
78	55.1	42.2	63.4
103	55.5	43.8	65.8



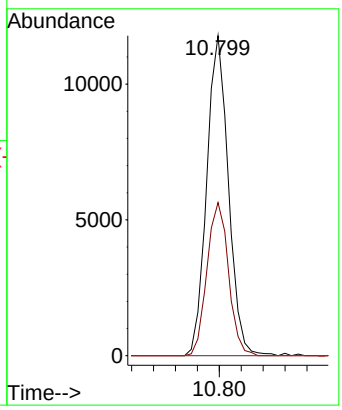


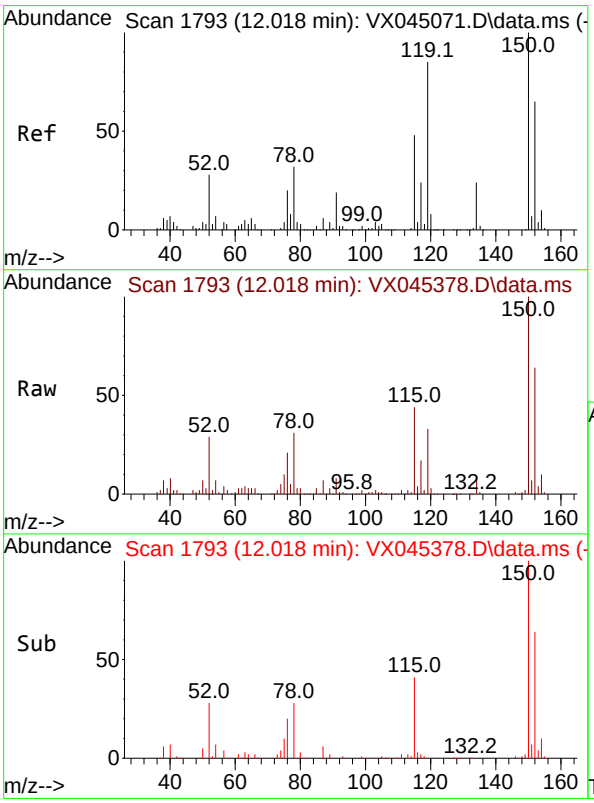
#71
Bromoform
Concen: 20.054 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Tgt Ion:173 Resp: 16152

Ion	Ratio	Lower	Upper
173	100		
175	47.6	24.6	73.6
254	0.0	0.0	0.0

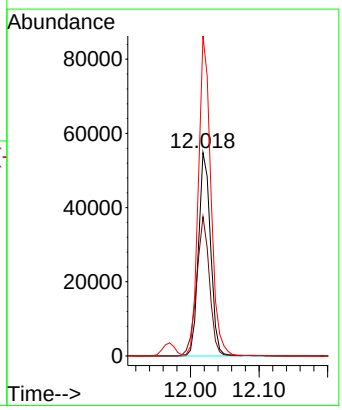


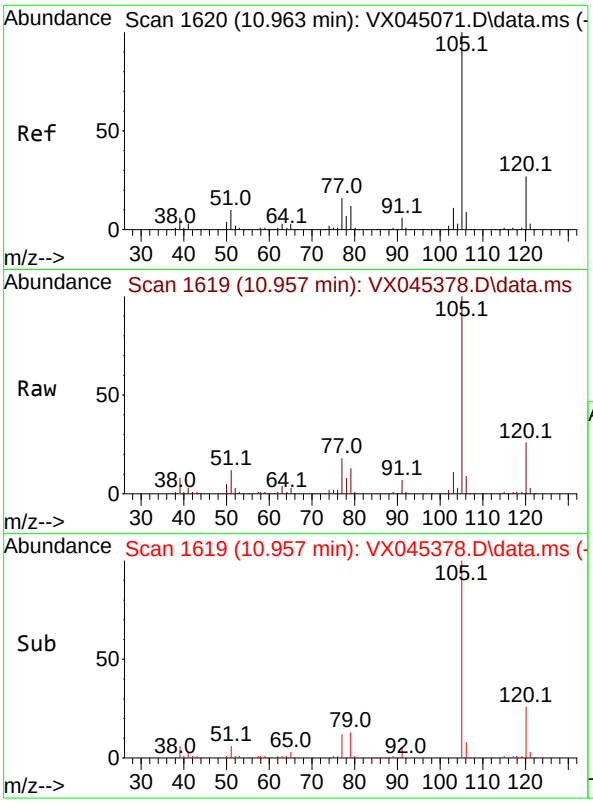


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion:152 Resp: 67294

Ion	Ratio	Lower	Upper
152	100		
115	73.2	44.2	132.6
150	162.4	0.0	349.0



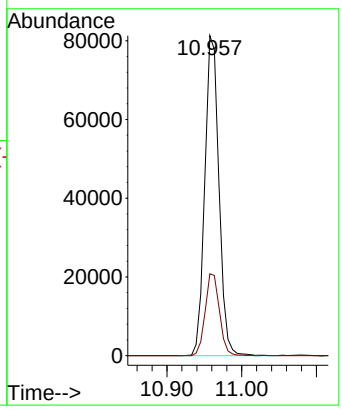


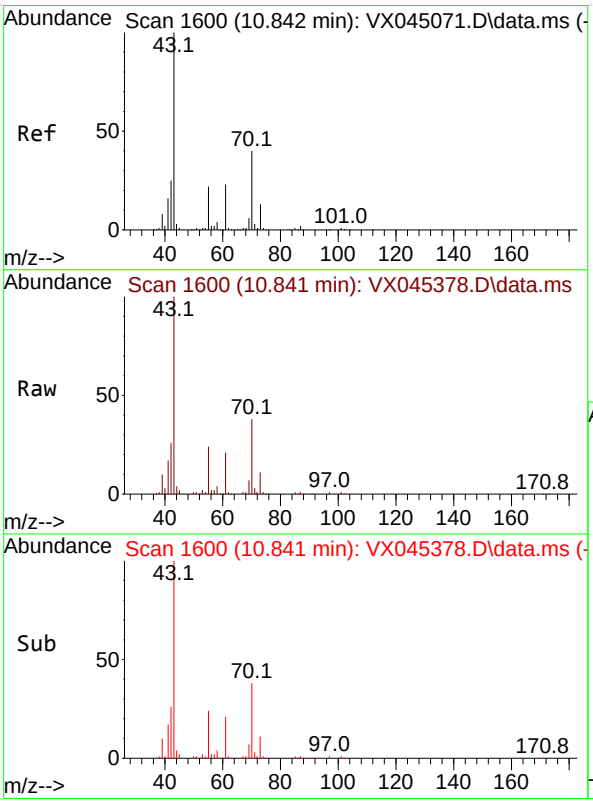
#73
Isopropylbenzene
Concen: 20.350 ug/l
RT: 10.957 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Tgt Ion:105 Resp: 106888

Ion	Ratio	Lower	Upper
105	100		
120	25.9	13.2	39.5

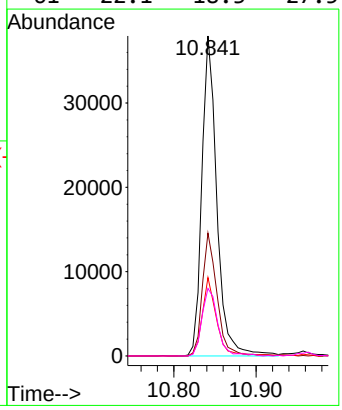


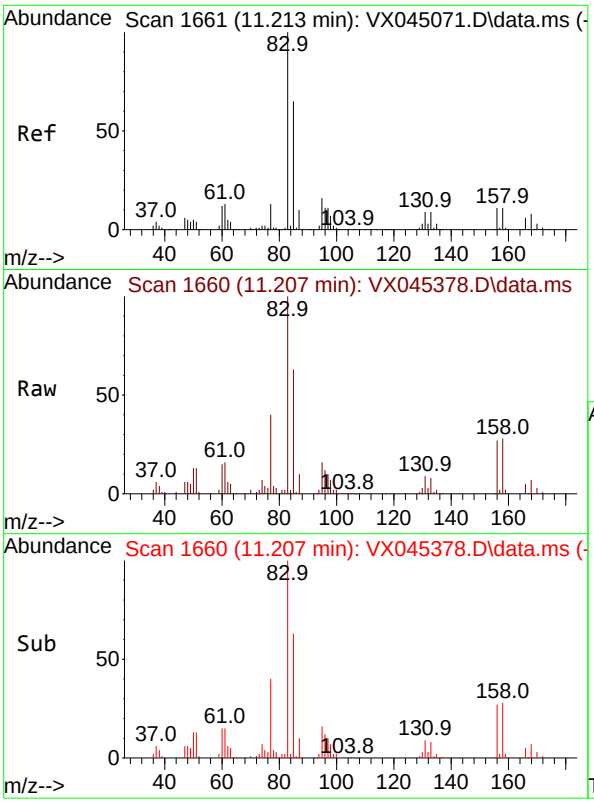


#74
N-amyl acetate
Concen: 19.624 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion: 43 Resp: 48367

Ion	Ratio	Lower	Upper
43	100		
70	37.5	31.8	47.6
55	23.3	18.3	27.5
61	22.1	18.3	27.5



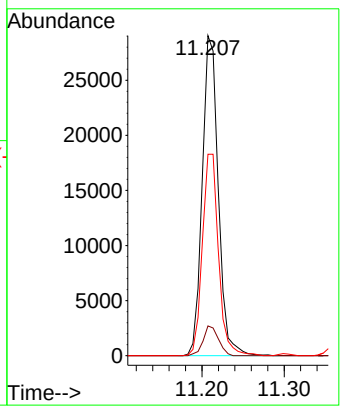


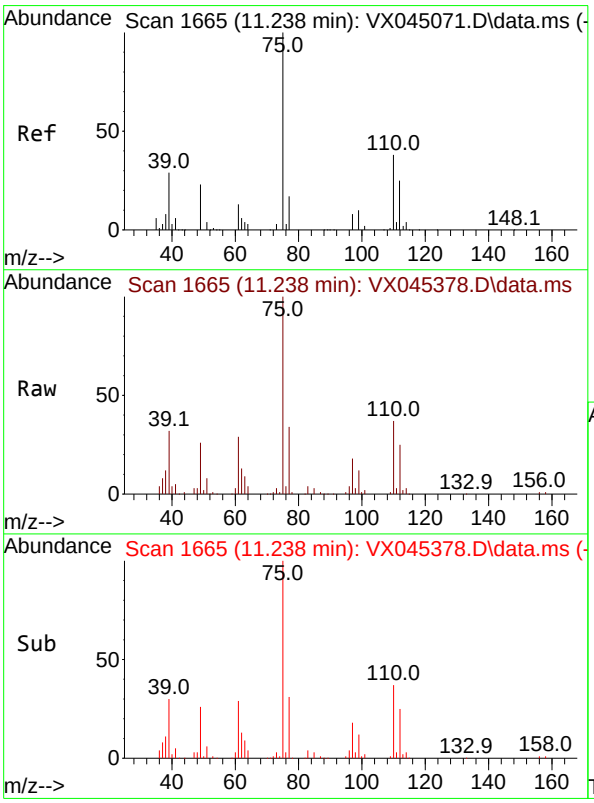
#75
1,1,2,2-Tetrachloroethane
Concen: 20.402 ug/l
RT: 11.207 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Tgt Ion: 83 Resp: 39325

Ion	Ratio	Lower	Upper
83	100		
131	8.9	4.5	13.4
85	63.5	31.7	95.1

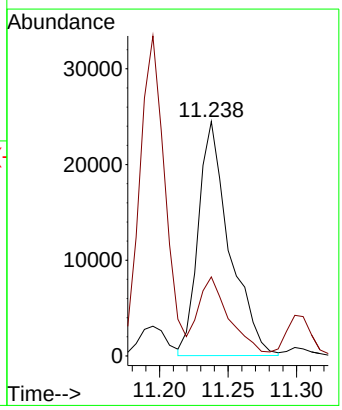


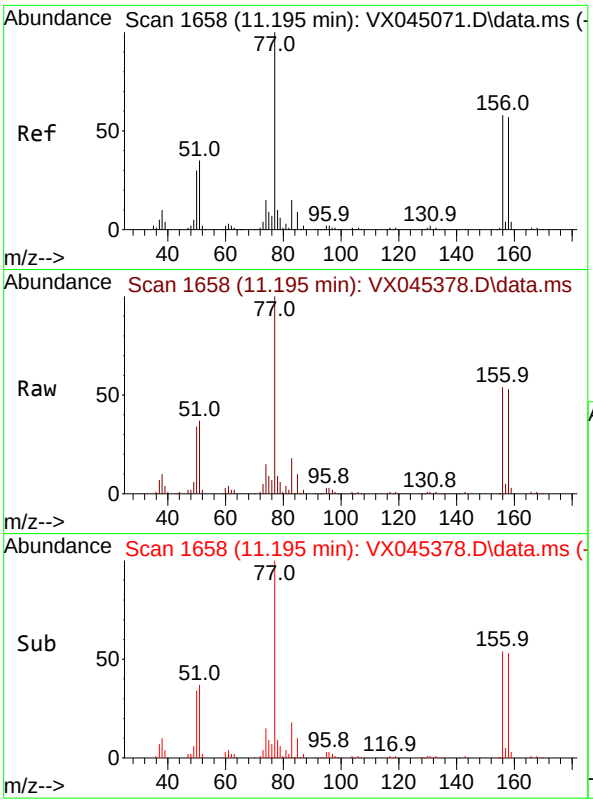


#76
1,2,3-Trichloropropane
Concen: 24.752 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion: 75 Resp: 38768

Ion	Ratio	Lower	Upper
75	100		
77	33.8	20.7	62.1



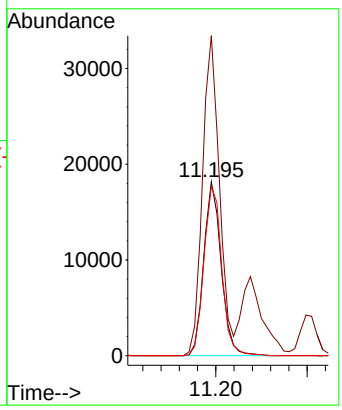


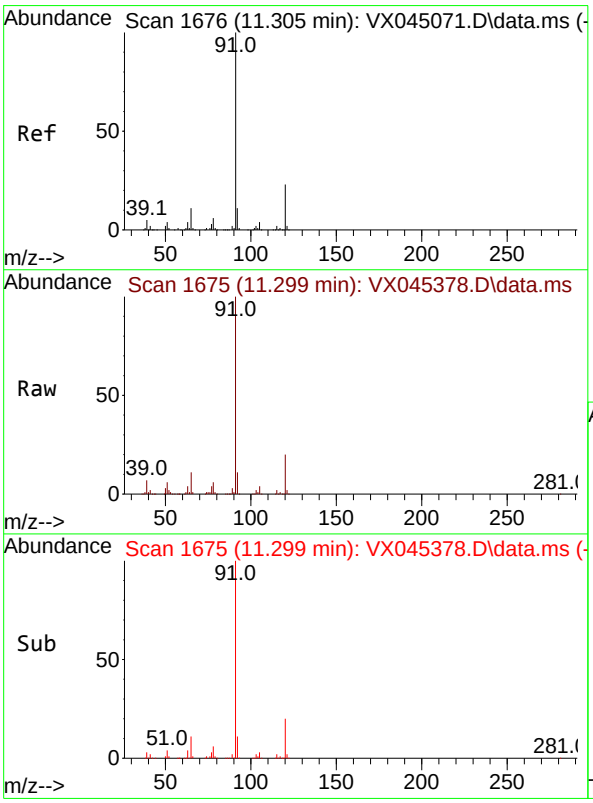
#77
Bromobenzene
Concen: 19.377 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Tgt Ion:156 Resp: 24014

Ion	Ratio	Lower	Upper
156	100		
77	178.7	85.8	257.4
158	99.3	48.4	145.2

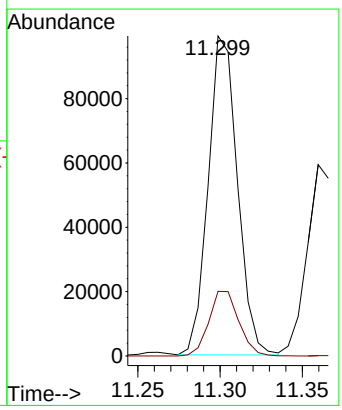


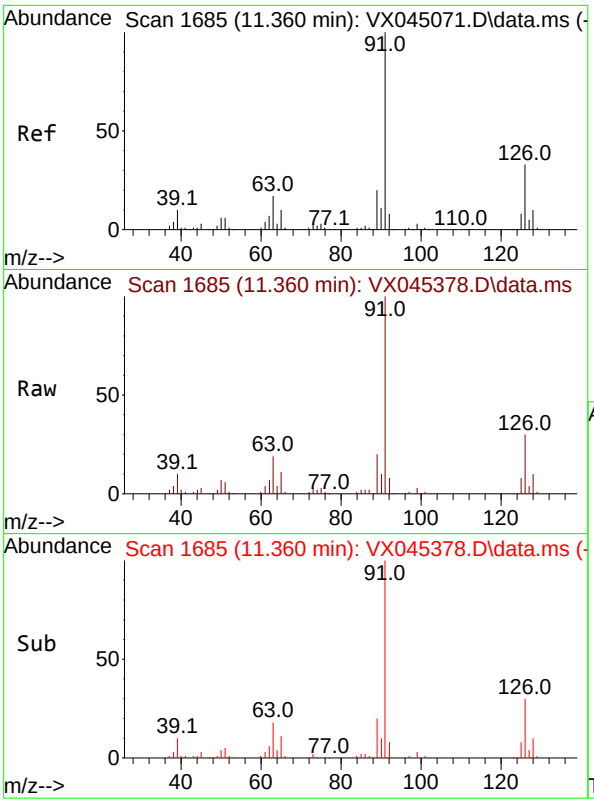


#78
n-propylbenzene
Concen: 20.684 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. -0.006 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion: 91 Resp: 122726

Ion	Ratio	Lower	Upper
91	100		
120	20.8	11.2	33.6



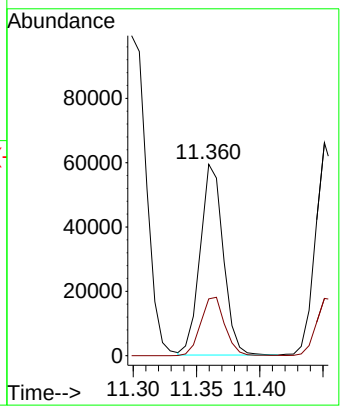


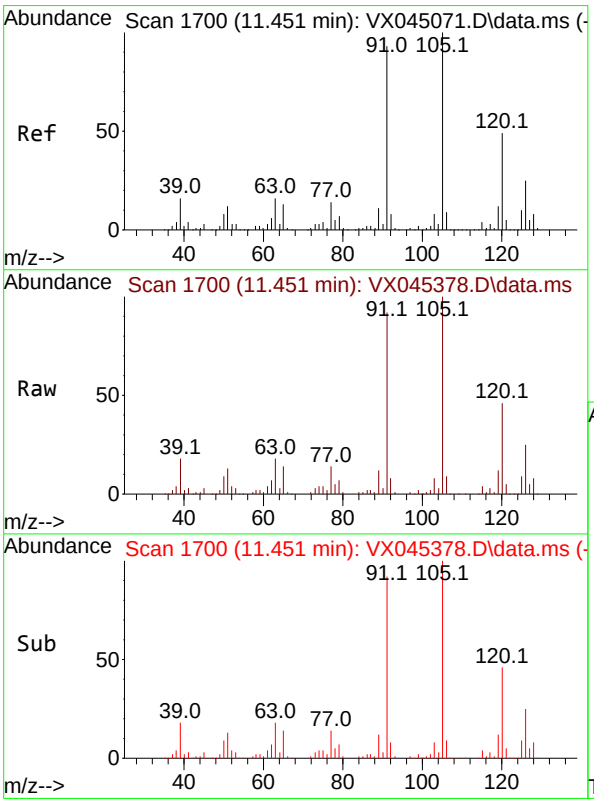
#79
2-Chlorotoluene
Concen: 19.953 ug/l
RT: 11.360 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Tgt Ion: 91 Resp: 75398

Ion	Ratio	Lower	Upper
91	100		
126	32.1	16.4	49.4

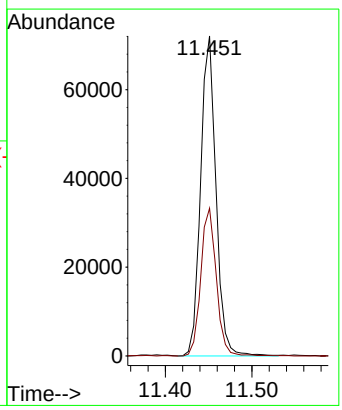


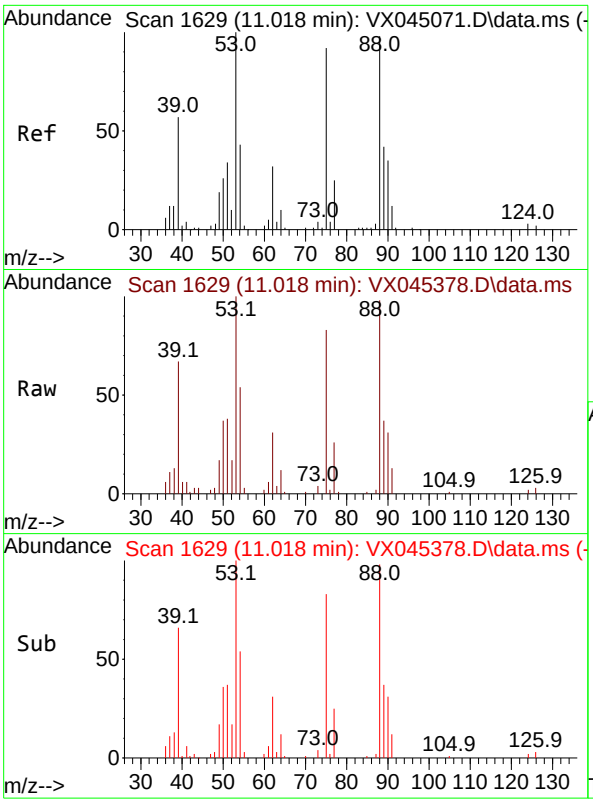


#80
1,3,5-Trimethylbenzene
Concen: 20.912 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion:105 Resp: 88815

Ion	Ratio	Lower	Upper
105	100		
120	46.7	24.1	72.2



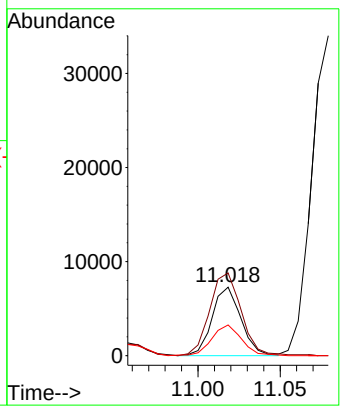


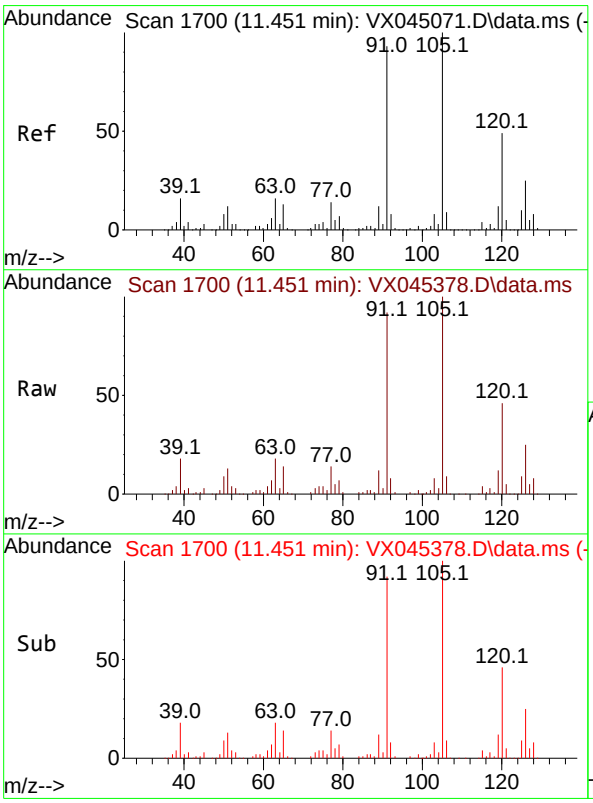
#81
trans-1,4-Dichloro-2-butene
Concen: 19.479 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Tgt Ion: 75 Resp: 8915

Ion	Ratio	Lower	Upper
75	100		
53	132.4	88.5	132.7
89	46.3	36.2	54.4

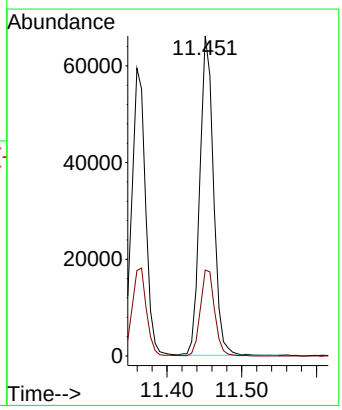


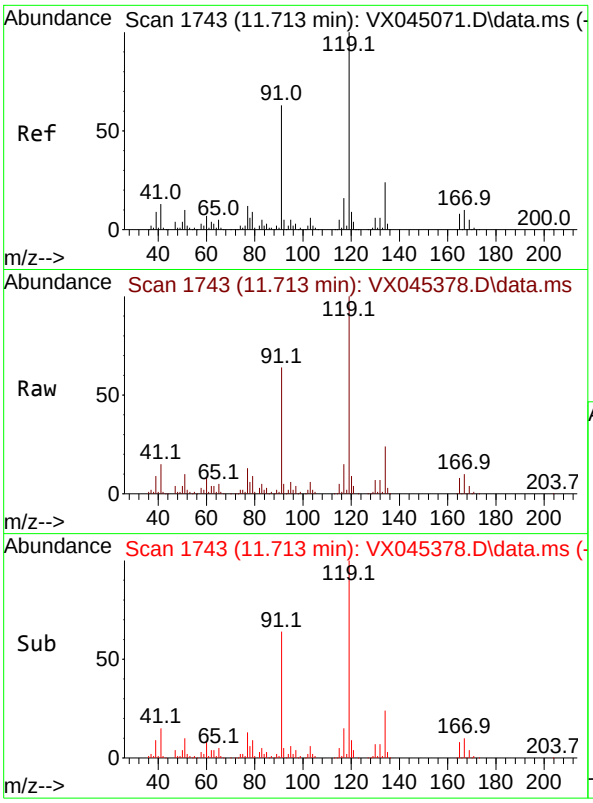


#82
4-Chlorotoluene
Concen: 20.369 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion: 91 Resp: 83886

Ion	Ratio	Lower	Upper
91	100		
126	28.2	14.1	42.4



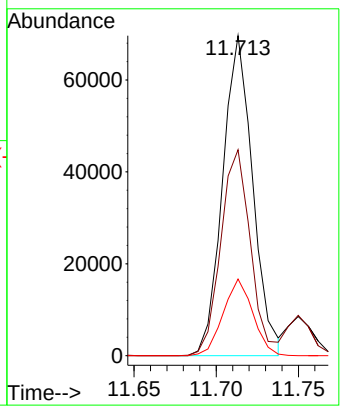


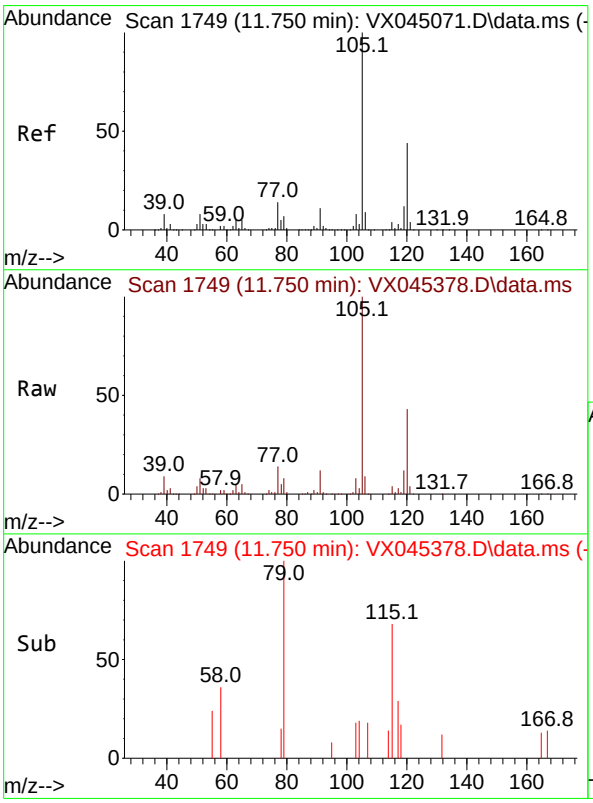
#83
tert-Butylbenzene
Concen: 20.315 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Tgt Ion:119 Resp: 88650

Ion	Ratio	Lower	Upper
119	100		
91	63.9	30.7	92.1
134	23.7	11.7	35.0

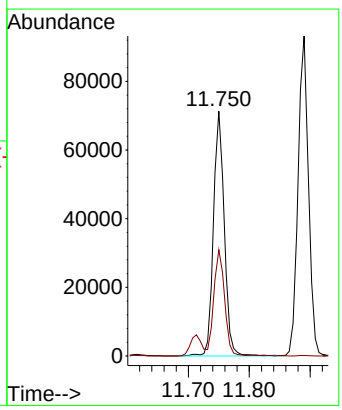


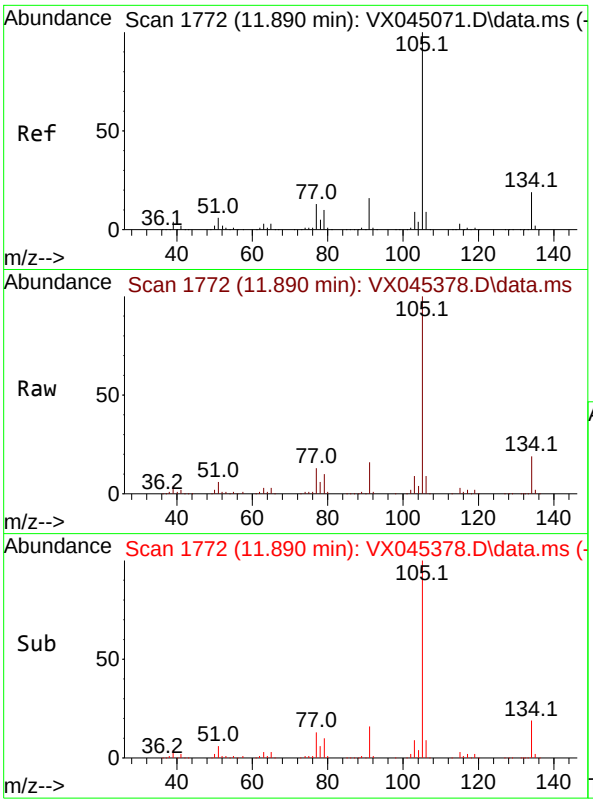


#84
1,2,4-Trimethylbenzene
Concen: 20.602 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion:105 Resp: 88039

Ion	Ratio	Lower	Upper
105	100		
120	41.9	22.1	66.1



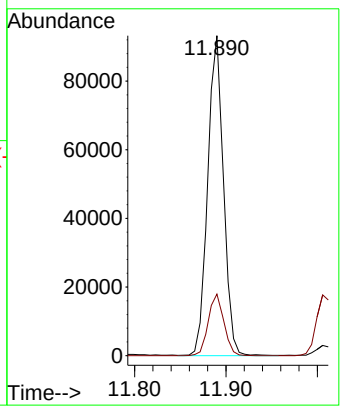


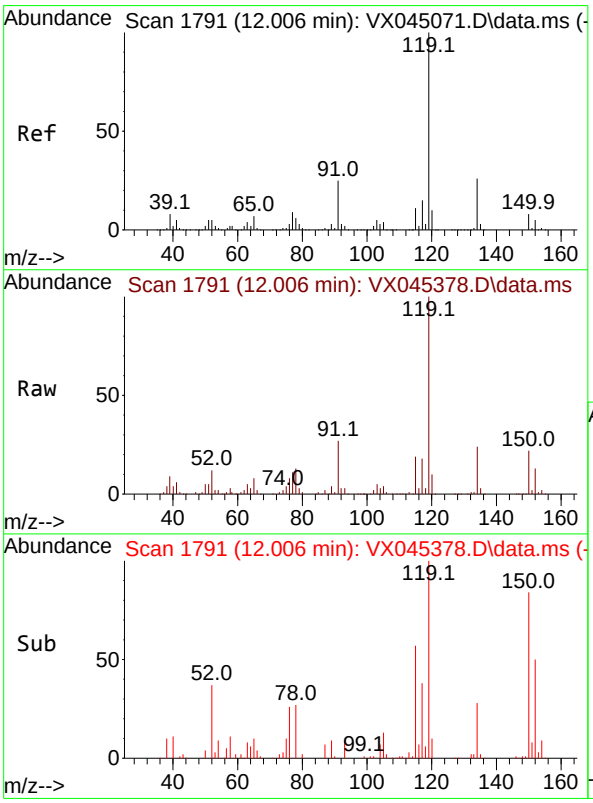
#85
sec-Butylbenzene
Concen: 21.328 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Tgt Ion:105 Resp: 111484

Ion	Ratio	Lower	Upper
105	100		
134	19.1	9.8	29.4

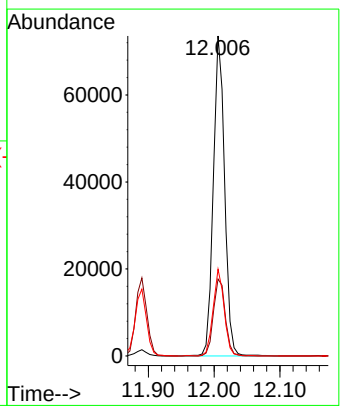


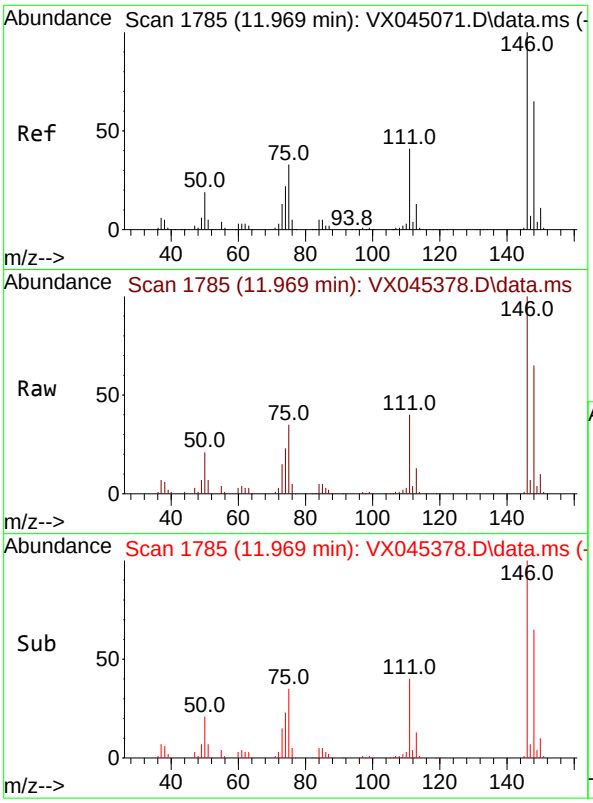


#86
p-Isopropyltoluene
Concen: 20.779 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion:119 Resp: 87777

Ion	Ratio	Lower	Upper
119	100		
134	25.2	12.9	38.6
91	26.5	12.7	38.0



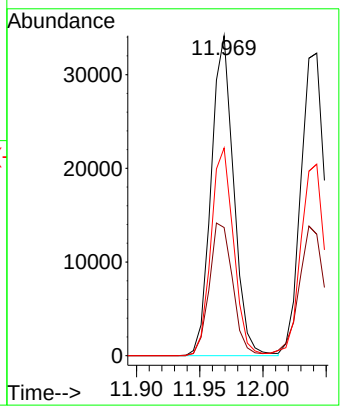


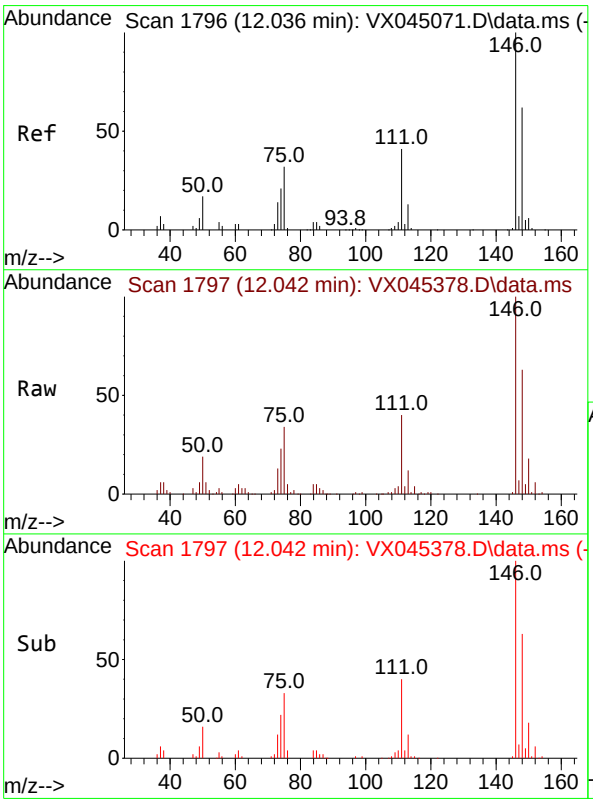
#87
1,3-Dichlorobenzene
Concen: 19.118 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Tgt Ion:146 Resp: 42267

Ion	Ratio	Lower	Upper
146	100		
111	42.9	21.1	63.4
148	65.1	31.9	95.7

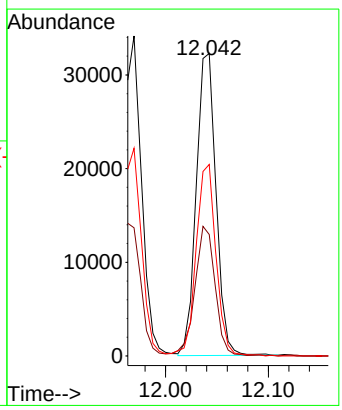


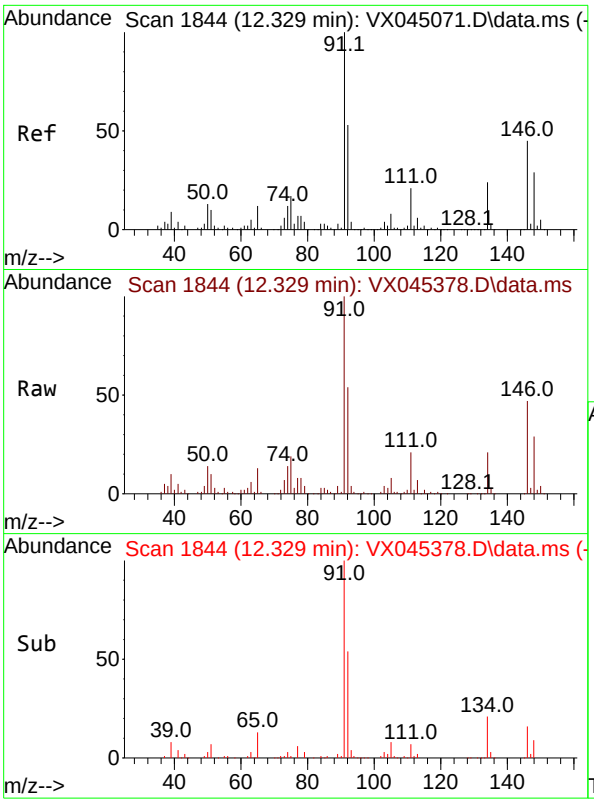


#88
1,4-Dichlorobenzene
Concen: 19.286 ug/l
RT: 12.042 min Scan# 1797
Delta R.T. 0.006 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion:146 Resp: 43137

Ion	Ratio	Lower	Upper
146	100		
111	43.5	20.2	60.5
148	64.2	31.9	95.9



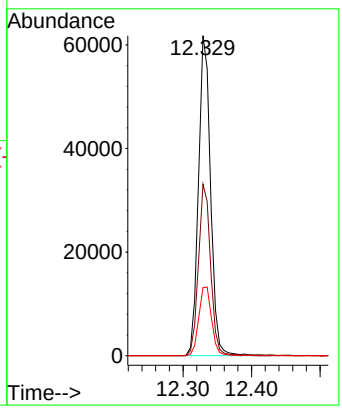


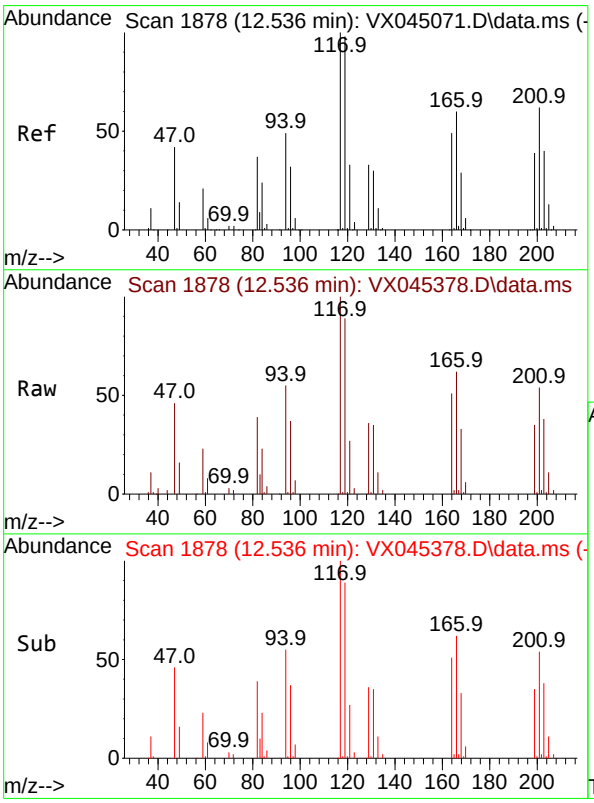
#89
n-Butylbenzene
Concen: 20.885 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Tgt Ion: 91 Resp: 75986

Ion	Ratio	Lower	Upper
91	100		
92	53.6	26.7	80.0
134	22.7	12.2	36.6

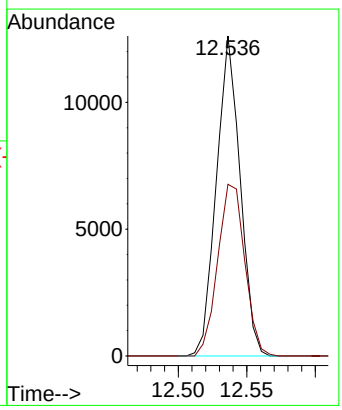


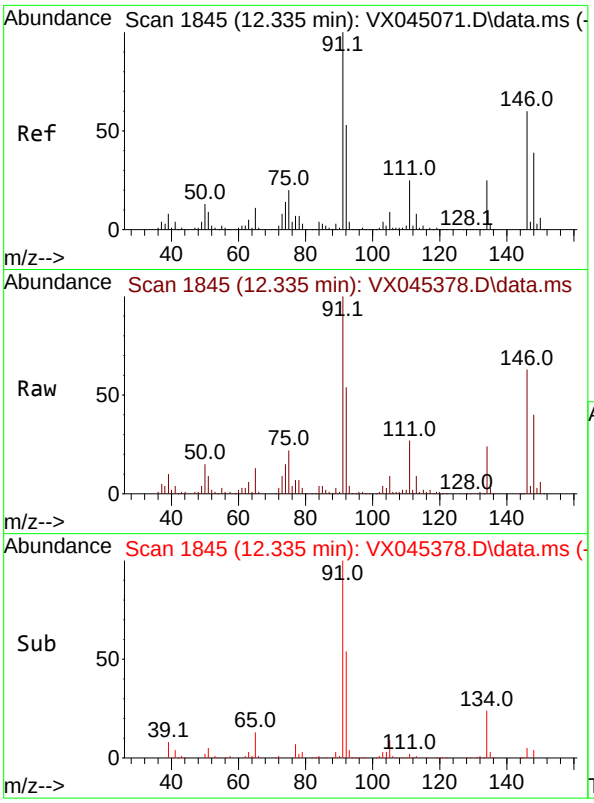


#90
Hexachloroethane
Concen: 19.850 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion:117 Resp: 15167

Ion	Ratio	Lower	Upper
117	100		
201	61.4	31.9	95.9



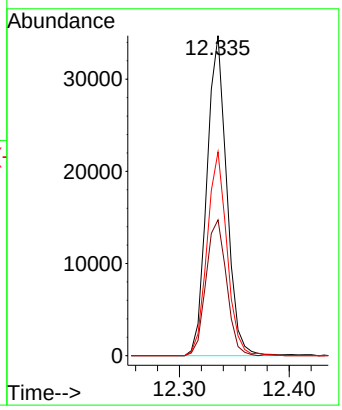


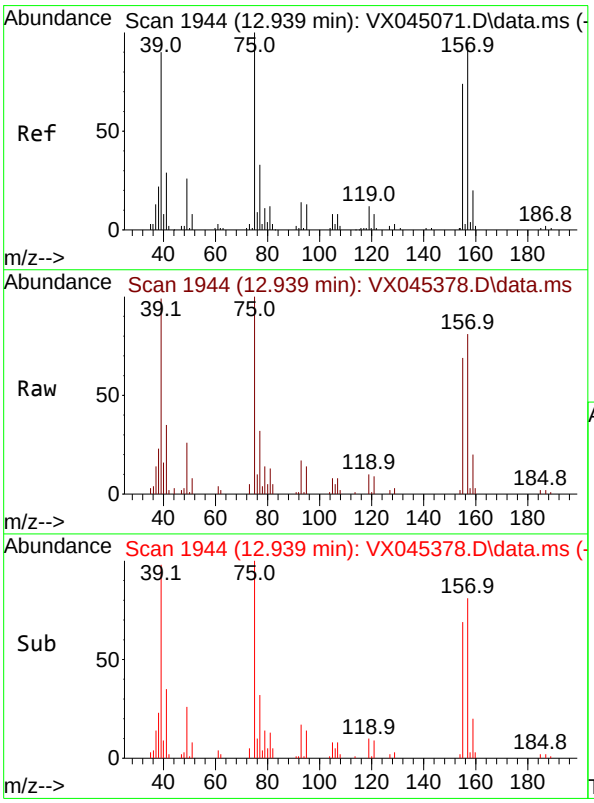
#91
1,2-Dichlorobenzene
Concen: 19.630 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Tgt Ion:146 Resp: 43534

Ion	Ratio	Lower	Upper
146	100		
111	43.9	21.6	65.0
148	64.0	31.9	95.9

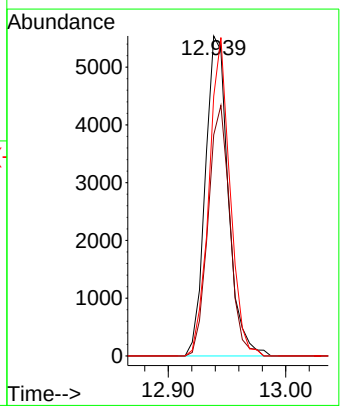


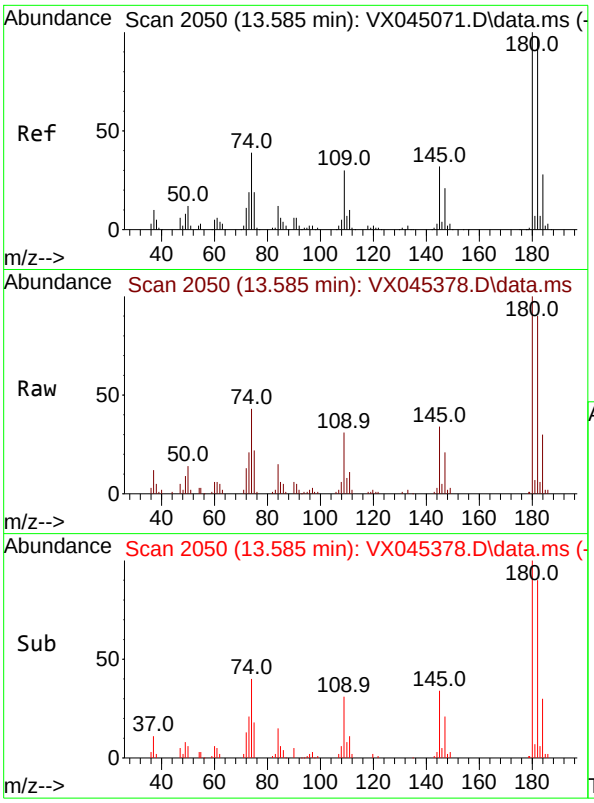


#92
1,2-Dibromo-3-Chloropropane
Concen: 19.952 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion: 75 Resp: 7492

Ion	Ratio	Lower	Upper
75	100		
155	74.4	39.6	118.7
157	91.2	51.1	153.4



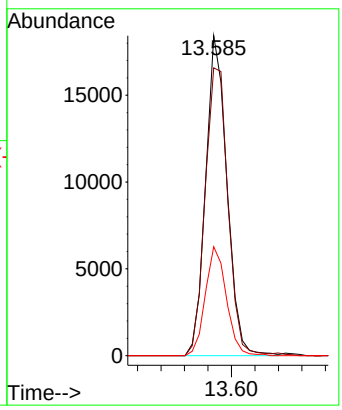


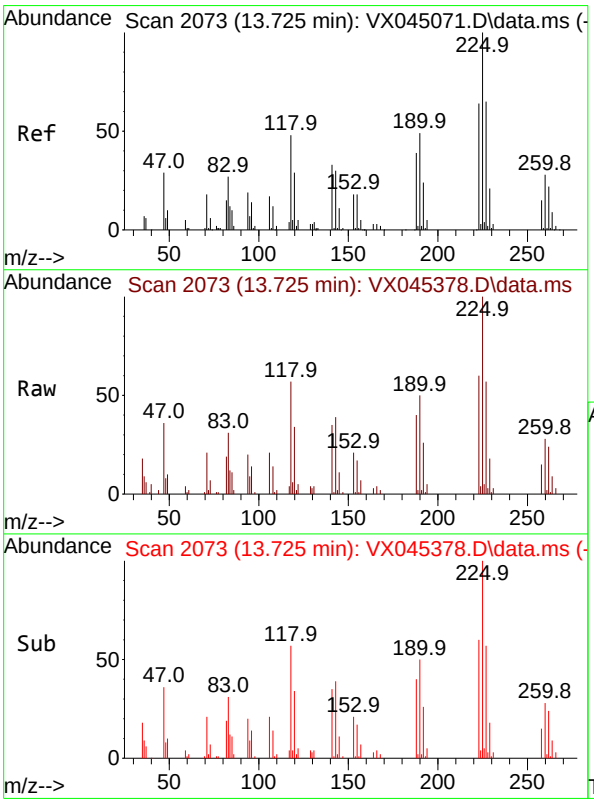
#93
1,2,4-Trichlorobenzene
Concen: 18.403 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Tgt Ion:180 Resp: 23239

Ion	Ratio	Lower	Upper
180	100		
182	96.9	47.3	141.9
145	33.7	16.3	48.9

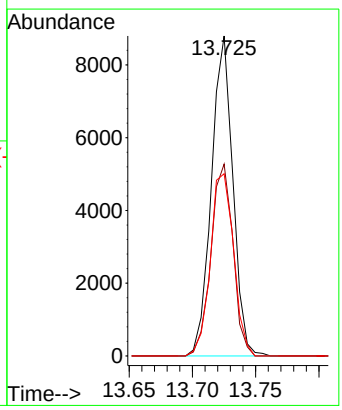


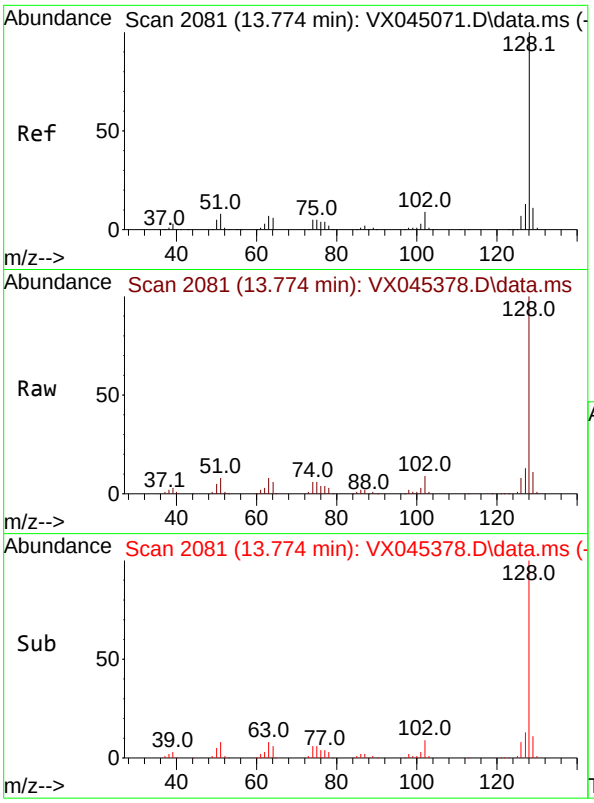


#94
Hexachlorobutadiene
Concen: 19.997 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion:225 Resp: 10353

Ion	Ratio	Lower	Upper
225	100		
223	61.4	31.9	95.7
227	61.9	31.4	94.0



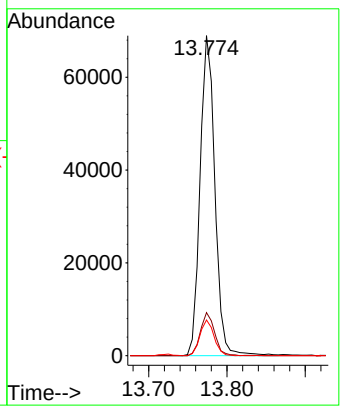


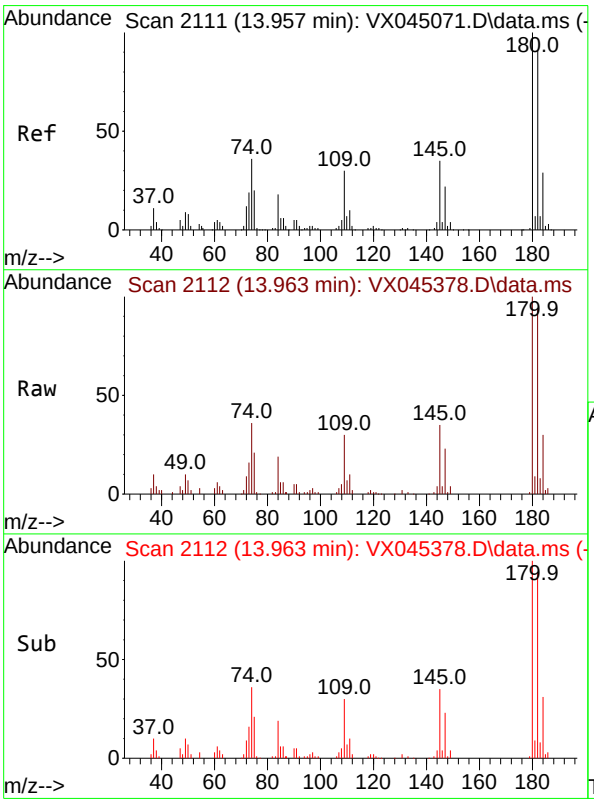
#95
Naphthalene
Concen: 18.655 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Tgt Ion:128 Resp: 90512

Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.3	15.5
129	10.6	8.7	13.1

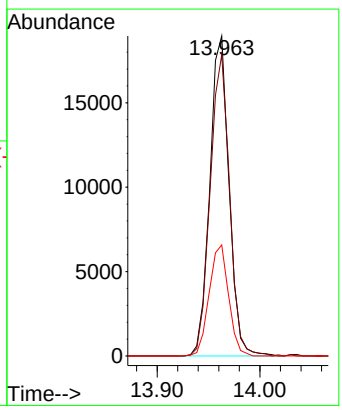




#96
1,2,3-Trichlorobenzene
Concen: 18.526 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.006 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion:180 Resp: 24680

Ion	Ratio	Lower	Upper
180	100		
182	95.0	47.5	142.6
145	35.1	17.0	50.9



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032125\
Data File : VX045401.D
Acq On : 21 Mar 2025 20:41
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Quant Time: Mar 22 02:54:13 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	74853	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	134934	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	115975	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	53641	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	65462	54.980	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 109.960%			
35) Dibromofluoromethane	5.379	113	48269	53.497	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.000%			
50) Toluene-d8	8.647	98	161646	49.417	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.840%			
62) 4-Bromofluorobenzene	11.079	95	56960	52.550	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 105.100%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	44493	47.221	ug/l	96
3) Chloromethane	1.307	50	49810	43.198	ug/l	99
4) Vinyl Chloride	1.374	62	50137	43.831	ug/l	98
5) Bromomethane	1.593	94	22345	49.692	ug/l	100
6) Chloroethane	1.660	64	23804	45.116	ug/l	98
7) Trichlorofluoromethane	1.868	101	74964	49.505	ug/l	99
8) Diethyl Ether	2.136	74	28674	48.412	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.313	101	47964	55.132	ug/l	99
10) Methyl Iodide	2.441	142	59117	54.375	ug/l	94
11) Tert butyl alcohol	2.989	59	48799	216.377	ug/l	98
12) 1,1-Dichloroethene	2.307	96	46209	50.239	ug/l	95
13) Acrolein	2.239	56	65119	249.782	ug/l	99
14) Allyl chloride	2.654	41	90404	55.217	ug/l	94
15) Acrylonitrile	3.062	53	163717	270.857	ug/l	99
16) Acetone	2.386	43	150609	272.633	ug/l	94
17) Carbon Disulfide	2.502	76	93735	38.262	ug/l	98
18) Methyl Acetate	2.703	43	98631	74.217	ug/l	100
19) Methyl tert-butyl Ether	3.117	73	176330	57.141	ug/l	99
20) Methylene Chloride	2.782	84	56599	51.722	ug/l	99
21) trans-1,2-Dichloroethene	3.087	96	47043	51.770	ug/l	98
22) Diisopropyl ether	3.764	45	190414	57.185	ug/l	97
23) Vinyl Acetate	3.721	43	785465	282.670	ug/l	98
24) 1,1-Dichloroethane	3.599	63	103230	55.318	ug/l	99
25) 2-Butanone	4.562	43	235908	283.702	ug/l	99
26) 2,2-Dichloropropane	4.471	77	60745	69.398	ug/l	97
27) cis-1,2-Dichloroethene	4.483	96	60830	54.229	ug/l	94
28) Bromochloromethane	4.891	49	51351	57.732	ug/l	99
29) Tetrahydrofuran	5.007	42	150362	269.265	ug/l	100
30) Chloroform	5.087	83	108341	58.430	ug/l	97
31) Cyclohexane	5.465	56	78351	48.368	ug/l	98
32) 1,1,1-Trichloroethane	5.373	97	85762	57.268	ug/l	97
36) 1,1-Dichloropropene	5.684	75	66133	53.446	ug/l	99
37) Ethyl Acetate	4.715	43	87199	54.690	ug/l	99
38) Carbon Tetrachloride	5.672	117	70522	56.138	ug/l	97
39) Methylcyclohexane	7.373	83	76690	51.725	ug/l	96
40) Benzene	6.031	78	210474	53.866	ug/l	99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032125\
Data File : VX045401.D
Acq On : 21 Mar 2025 20:41
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Quant Time: Mar 22 02:54:13 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	51712	59.981 ug/l		98
42) 1,2-Dichloroethane	6.080	62	86759	61.661 ug/l		97
43) Isopropyl Acetate	6.342	43	135762	57.582 ug/l		98
44) Trichloroethene	7.123	130	49047	53.459 ug/l		96
45) 1,2-Dichloropropane	7.428	63	55501	55.246 ug/l		96
46) Dibromomethane	7.580	93	41450	58.374 ug/l		96
47) Bromodichloromethane	7.818	83	82269	59.068 ug/l		99
48) Methyl methacrylate	7.690	41	69727	58.949 ug/l		94
49) 1,4-Dioxane	7.665	88	24595	985.741 ug/l		95
51) 4-Methyl-2-Pentanone	8.574	43	463190	292.590 ug/l		99
52) Toluene	8.714	92	126198	55.048 ug/l		100
53) t-1,3-Dichloropropene	8.976	75	68896	59.170 ug/l		94
54) cis-1,3-Dichloropropene	8.360	75	79164	58.304 ug/l	#	88
55) 1,1,2-Trichloroethane	9.147	97	52975	56.131 ug/l		99
56) Ethyl methacrylate	9.116	69	83667	58.321 ug/l		93
57) 1,3-Dichloropropane	9.305	76	91764	56.184 ug/l		99
58) 2-Chloroethyl Vinyl ether	8.238	63	229112	327.394 ug/l		98
59) 2-Hexanone	9.427	43	338175	294.834 ug/l		98
60) Dibromochloromethane	9.519	129	57002	57.765 ug/l		99
61) 1,2-Dibromoethane	9.604	107	53600	56.890 ug/l		98
64) Tetrachloroethene	9.269	164	39719	53.474 ug/l		96
65) Chlorobenzene	10.080	112	132438	53.968 ug/l		98
66) 1,1,1,2-Tetrachloroethane	10.159	131	45778	56.016 ug/l		99
67) Ethyl Benzene	10.189	91	239507	56.012 ug/l		98
68) m/p-Xylenes	10.299	106	175085	111.853 ug/l		96
69) o-Xylene	10.640	106	85276	54.016 ug/l		94
70) Styrene	10.653	104	145711	57.041 ug/l		97
71) Bromoform	10.799	173	35721	57.963 ug/l	#	97
73) Isopropylbenzene	10.957	105	227633	54.369 ug/l		99
74) N-amyl acetate	10.842	43	110444	56.217 ug/l		98
75) 1,1,2,2-Tetrachloroethane	11.213	83	83518	54.359 ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	85428	68.425 ug/l		86
77) Bromobenzene	11.195	156	51333	51.964 ug/l		96
78) n-propylbenzene	11.299	91	262384	55.477 ug/l		98
79) 2-Chlorotoluene	11.360	91	160491	53.282 ug/l		98
80) 1,3,5-Trimethylbenzene	11.451	105	183136	54.096 ug/l		98
81) trans-1,4-Dichloro-2-b...	11.018	75	18639	51.090 ug/l	#	83
82) 4-Chlorotoluene	11.451	91	179417	54.654 ug/l		99
83) tert-Butylbenzene	11.713	119	186344	53.572 ug/l		96
84) 1,2,4-Trimethylbenzene	11.750	105	187934	55.172 ug/l		98
85) sec-Butylbenzene	11.890	105	230317	55.276 ug/l		100
86) p-Isopropyltoluene	12.006	119	188467	55.971 ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	93653	53.143 ug/l		99
88) 1,4-Dichlorobenzene	12.036	146	93536	52.463 ug/l		99
89) n-Butylbenzene	12.329	91	166636	57.458 ug/l		99
90) Hexachloroethane	12.536	117	32352	53.118 ug/l		98
91) 1,2-Dichlorobenzene	12.335	146	95638	54.100 ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	17831	59.571 ug/l		92
93) 1,2,4-Trichlorobenzene	13.585	180	57341	56.965 ug/l		98
94) Hexachlorobutadiene	13.725	225	22756	55.141 ug/l		98
95) Naphthalene	13.774	128	219620	56.787 ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	58600	55.183 ug/l		98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032125\
Data File : VX045401.D
Acq On : 21 Mar 2025 20:41
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Quant Time: Mar 22 02:54:13 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

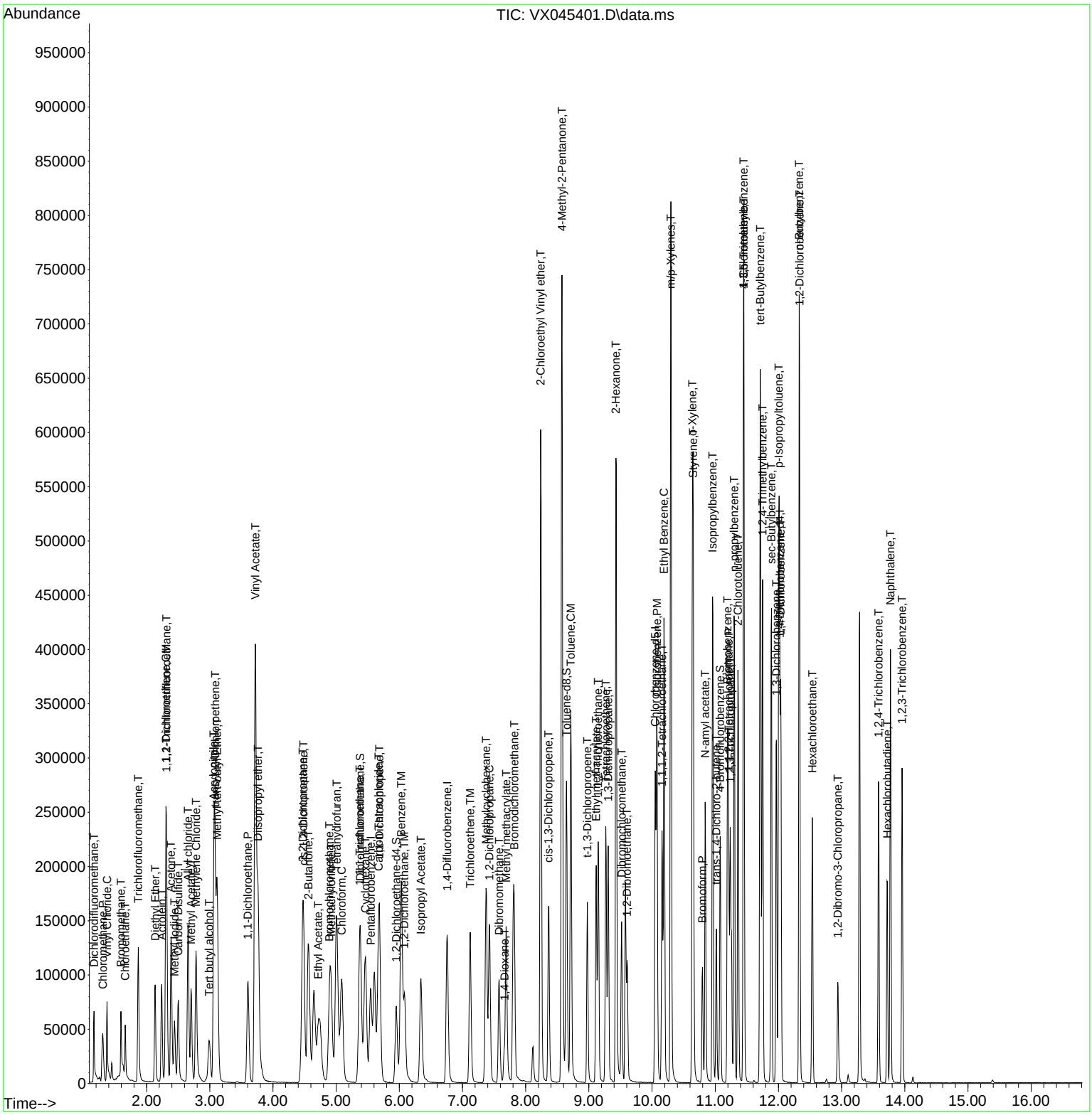
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

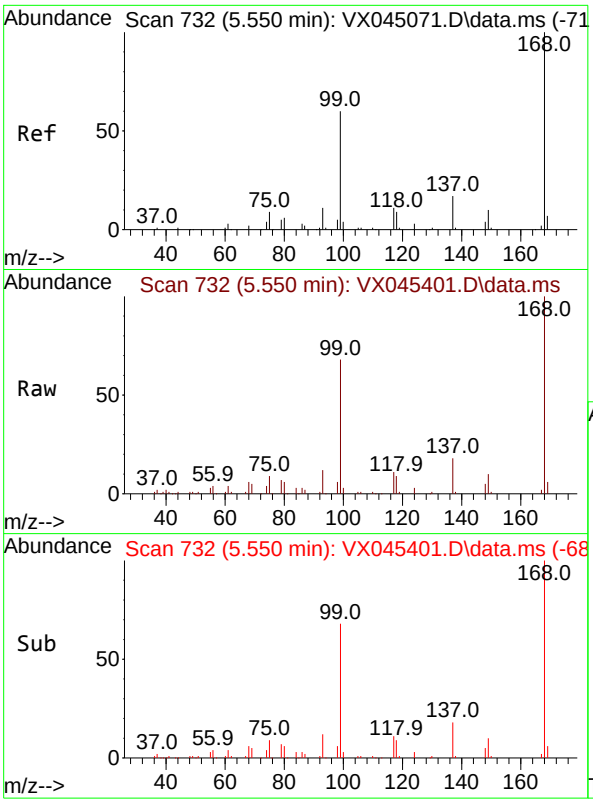
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VX045401.D
Acq On : 21 Mar 2025 20:41
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Quant Time: Mar 22 02:54:13 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



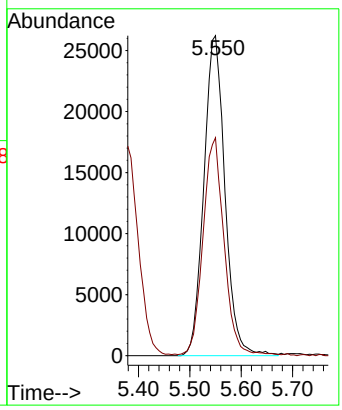


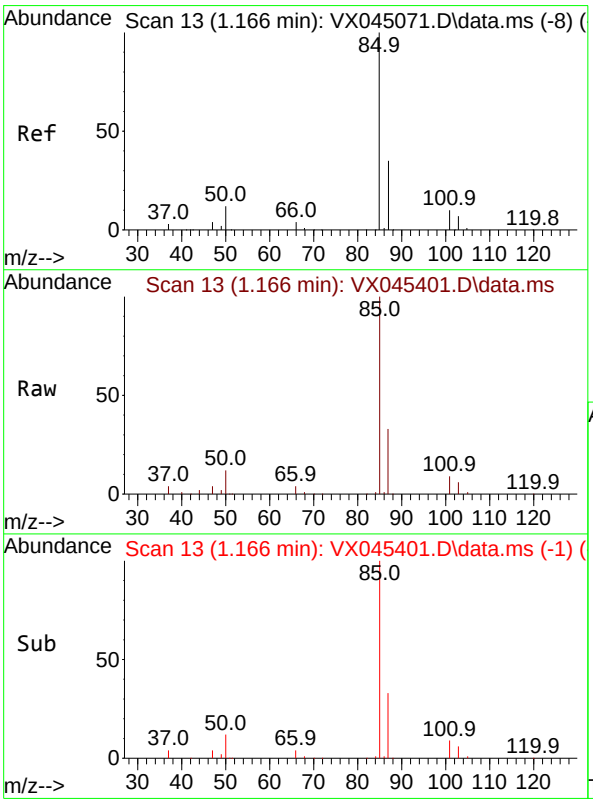
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:168 Resp: 74853

Ion	Ratio	Lower	Upper
168	100		
99	67.7	48.2	72.4

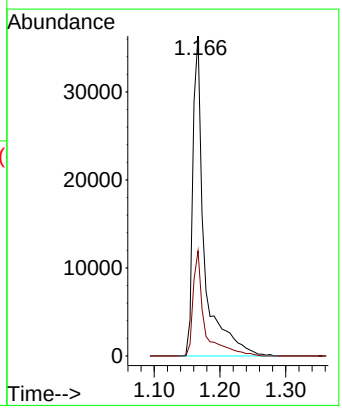


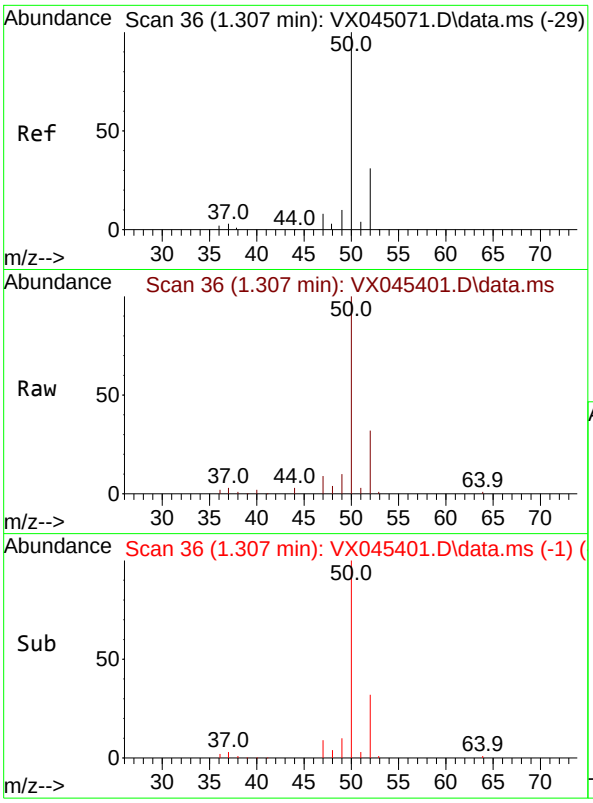


#2
Dichlorodifluoromethane
Concen: 47.221 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion: 85 Resp: 44493

Ion	Ratio	Lower	Upper
85	100		
87	32.9	17.4	52.3



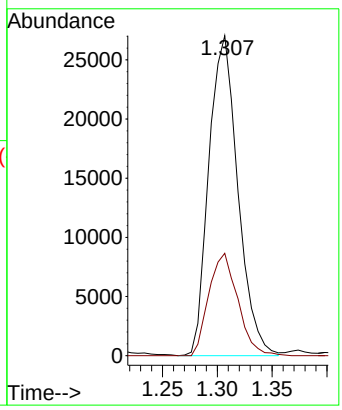


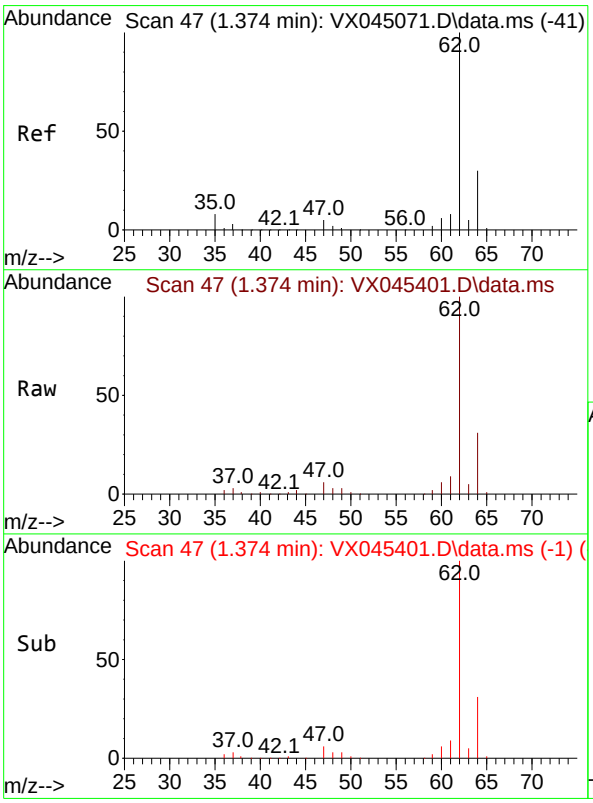
#3
Chloromethane
Concen: 43.198 ug/l
RT: 1.307 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 50 Resp: 49810

Ion	Ratio	Lower	Upper
50	100		
52	32.0	25.0	37.4

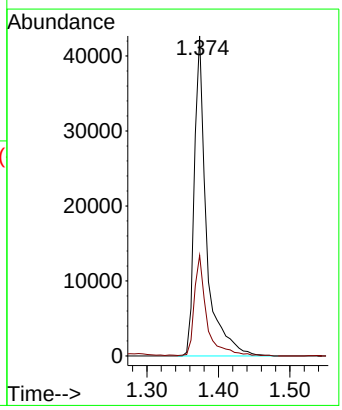


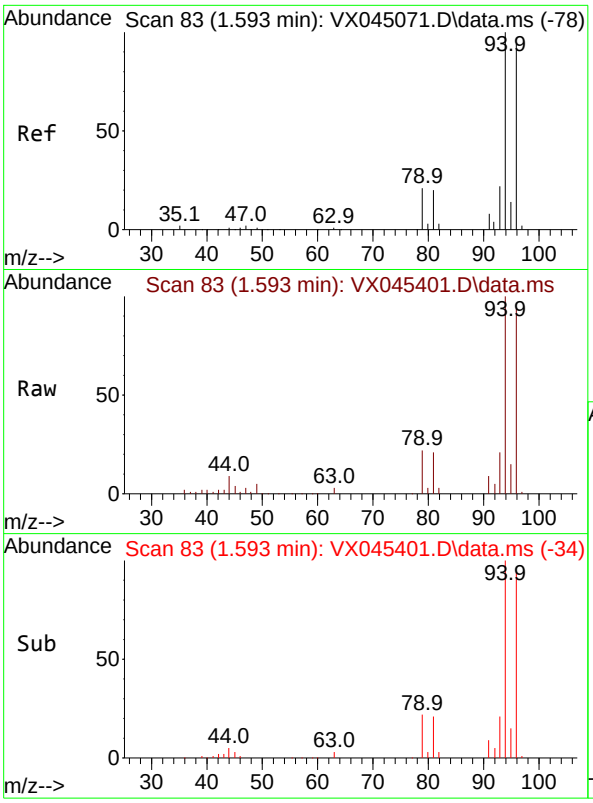


#4
Vinyl Chloride
Concen: 43.831 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion: 62 Resp: 50137

Ion	Ratio	Lower	Upper
62	100		
64	31.4	24.3	36.5



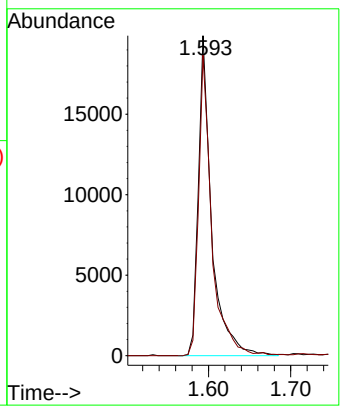


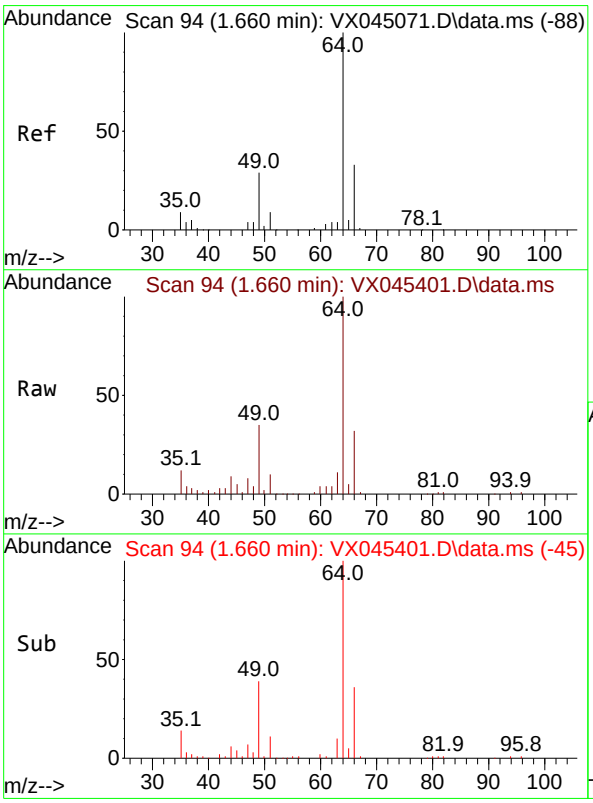
#5
Bromomethane
Concen: 49.692 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 94 Resp: 22345

Ion	Ratio	Lower	Upper
94	100		
96	93.9	75.0	112.4

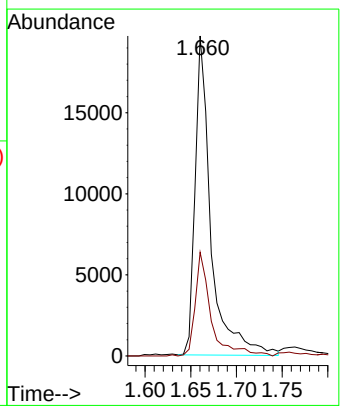


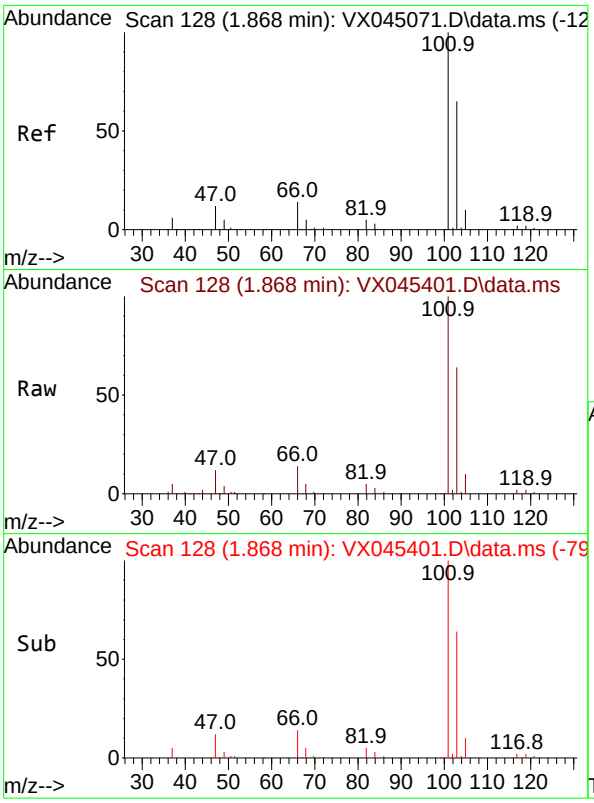


#6
Chloroethane
Concen: 45.116 ug/l
RT: 1.660 min Scan# 94
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion: 64 Resp: 23804

Ion	Ratio	Lower	Upper
64	100		
66	32.5	26.7	40.1



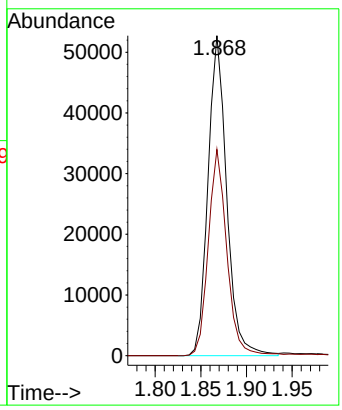


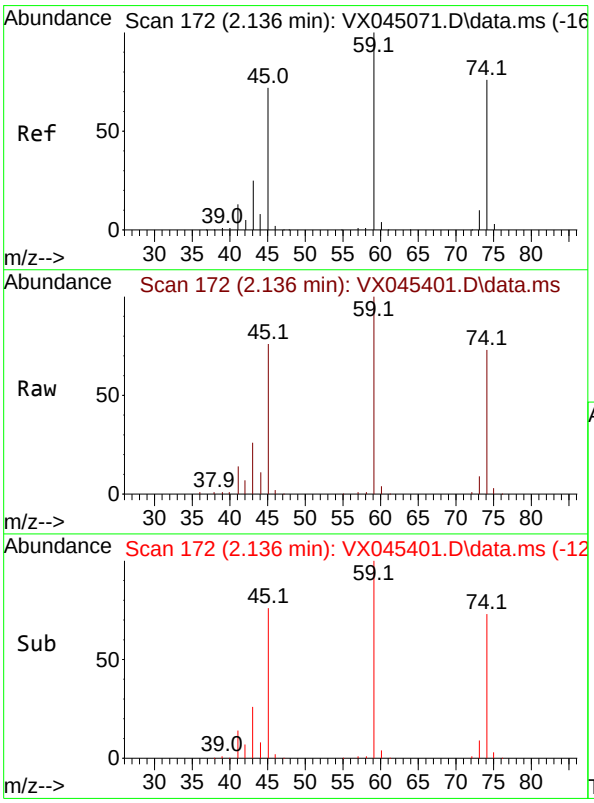
#7
Trichlorofluoromethane
Concen: 49.505 ug/l
RT: 1.868 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:101 Resp: 74964

Ion	Ratio	Lower	Upper
101	100		
103	64.5	52.1	78.1

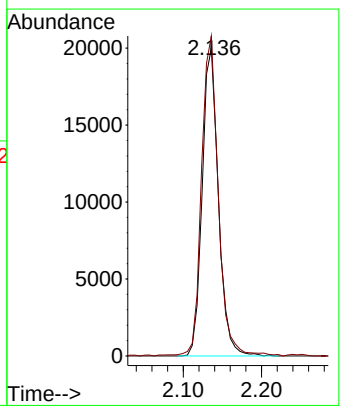


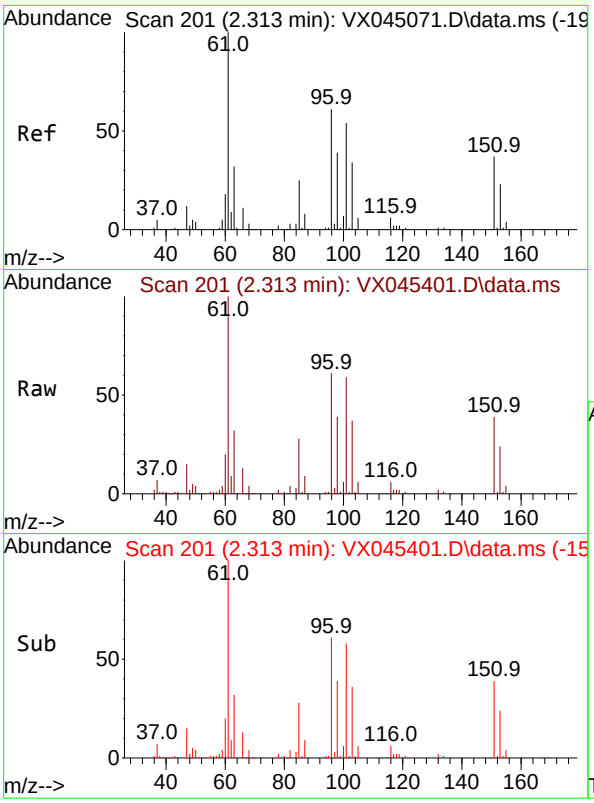


#8
Diethyl Ether
Concen: 48.412 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion: 74 Resp: 28674

Ion	Ratio	Lower	Upper
74	100		
45	108.2	51.5	154.5



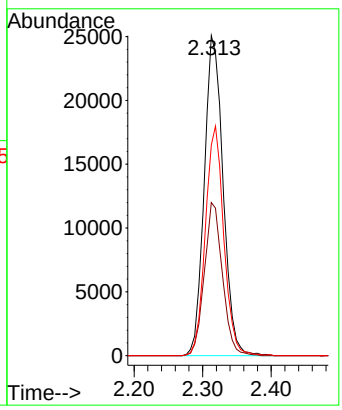


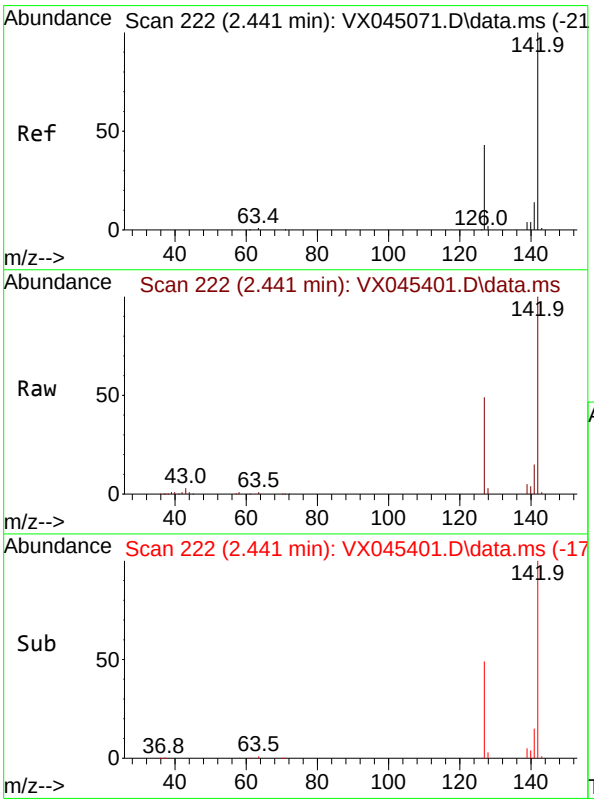
#9
1,1,2-Trichlorotrifluoroethane
Concen: 55.132 ug/l
RT: 2.313 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:101 Resp: 47964

Ion	Ratio	Lower	Upper
101	100		
85	46.1	36.2	54.4
151	70.1	56.4	84.6

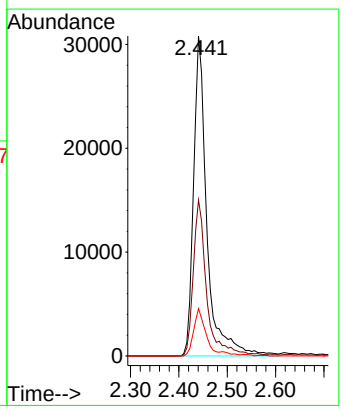


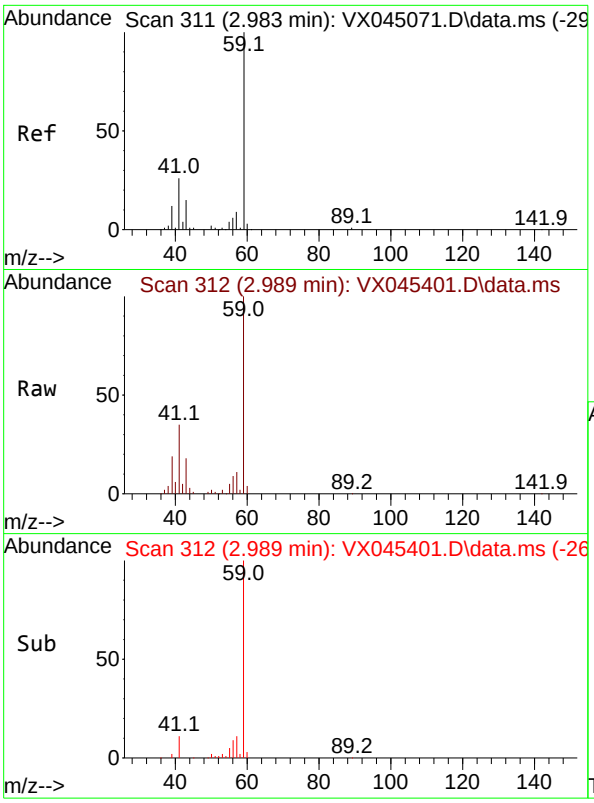


#10
Methyl Iodide
Concen: 54.375 ug/l
RT: 2.441 min Scan# 222
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion:142 Resp: 59117

Ion	Ratio	Lower	Upper
142	100		
127	49.0	35.4	53.2
141	14.1	11.6	17.4



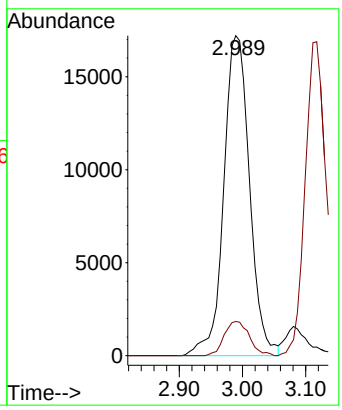


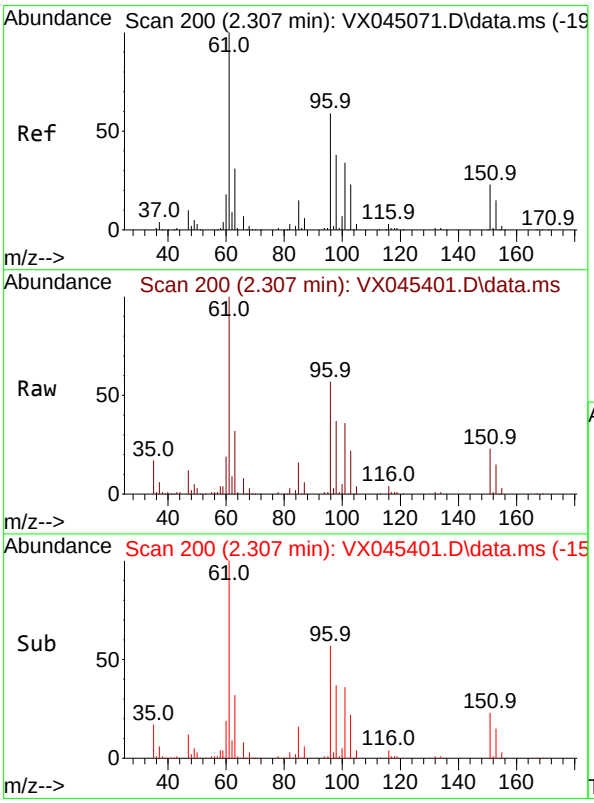
#11
Tert butyl alcohol
Concen: 216.377 ug/l
RT: 2.989 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 59 Resp: 48799

Ion	Ratio	Lower	Upper
59	100		
57	10.4	7.8	11.8

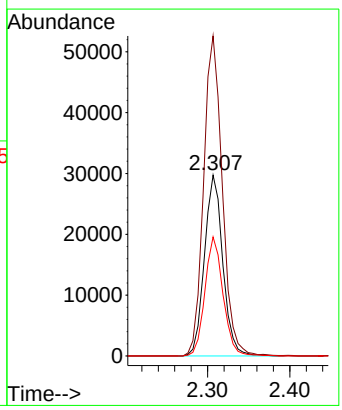


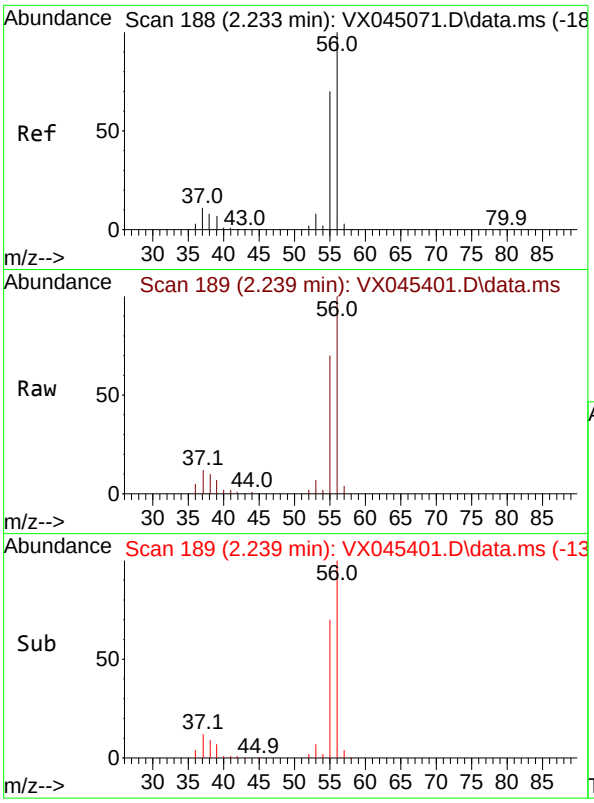


#12
1,1-Dichloroethene
Concen: 50.239 ug/l
RT: 2.307 min Scan# 200
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion: 96 Resp: 46209

Ion	Ratio	Lower	Upper
96	100		
61	177.0	134.6	202.0
98	65.8	51.0	76.6



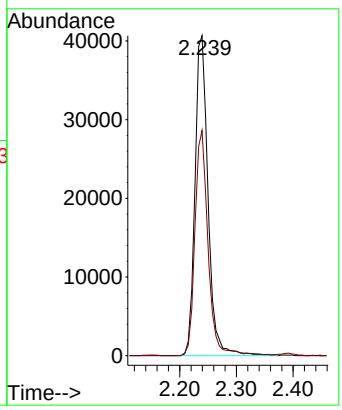


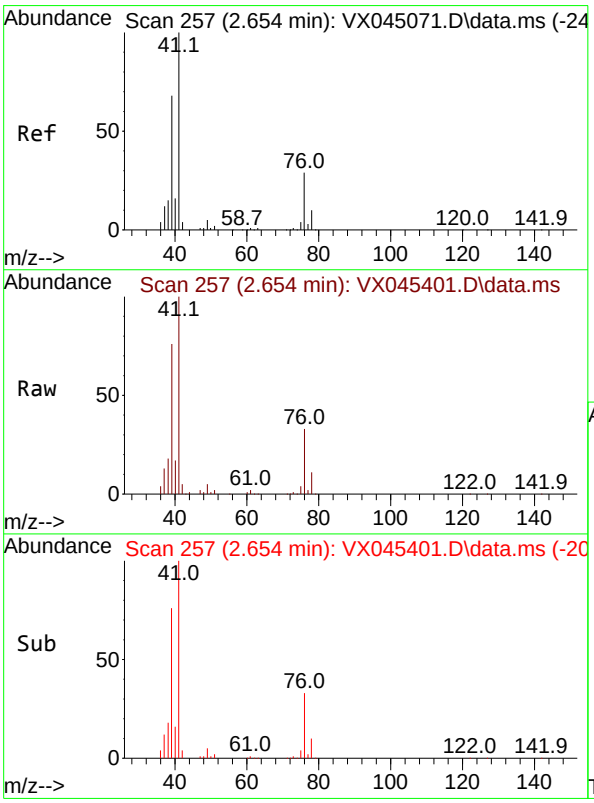
#13
Acrolein
Concen: 249.782 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 56 Resp: 65119

Ion	Ratio	Lower	Upper
56	100		
55	70.9	56.2	84.4

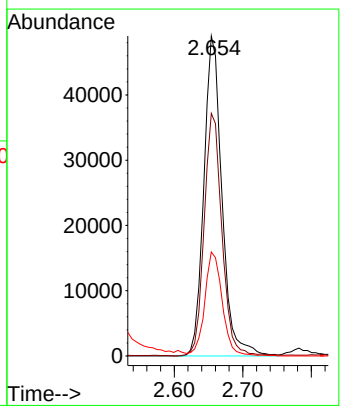


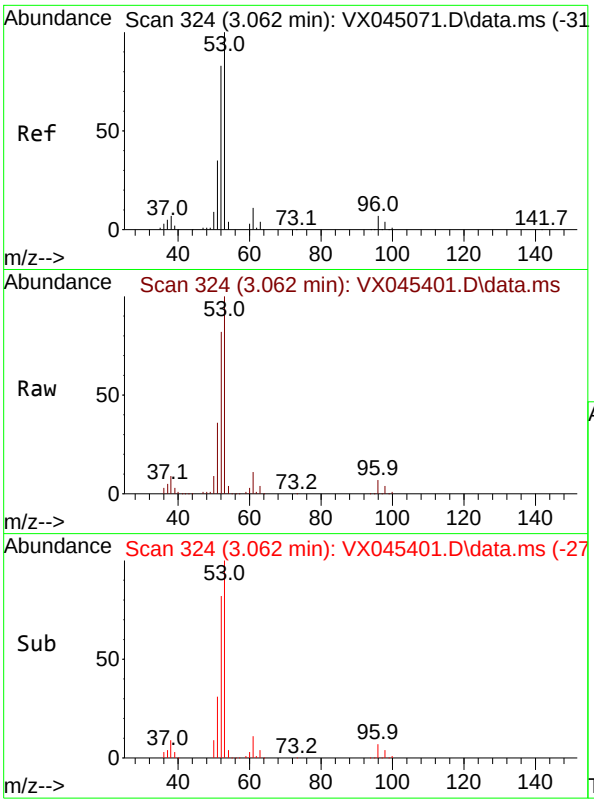


#14
Allyl chloride
Concen: 55.217 ug/l
RT: 2.654 min Scan# 257
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion: 41 Resp: 90404

Ion	Ratio	Lower	Upper
41	100		
39	74.4	53.8	80.8
76	31.6	25.2	37.8



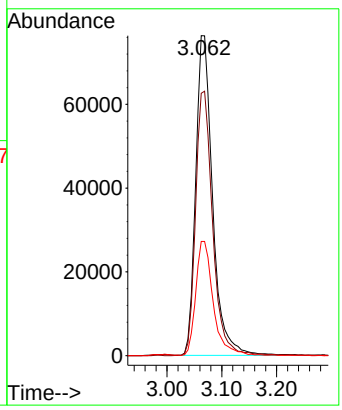


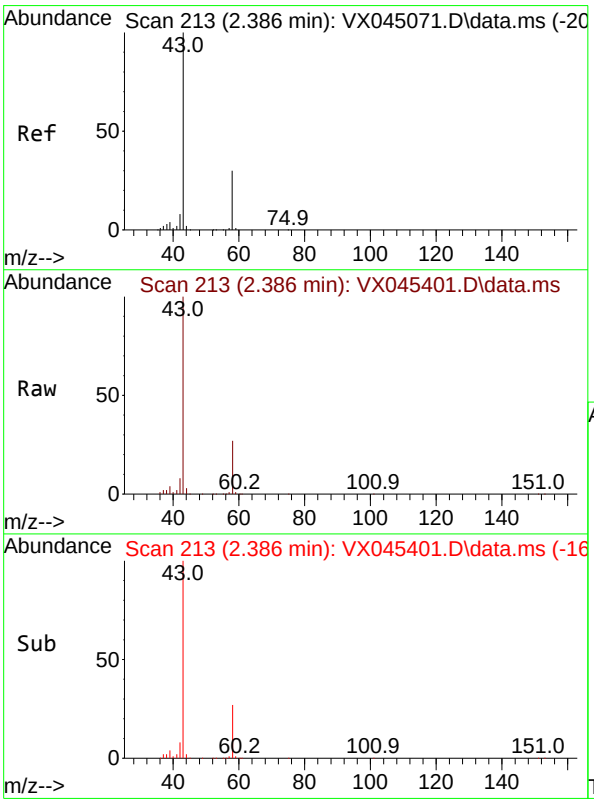
#15
Acrylonitrile
Concen: 270.857 ug/l
RT: 3.062 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 53 Resp: 163717

Ion	Ratio	Lower	Upper
53	100		
52	84.0	66.2	99.2
51	36.7	29.0	43.4

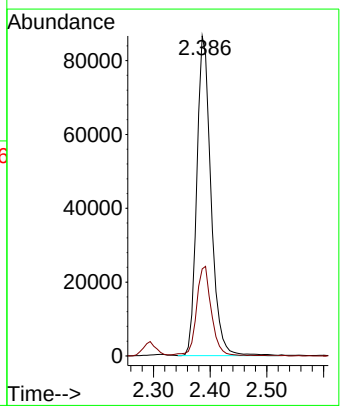


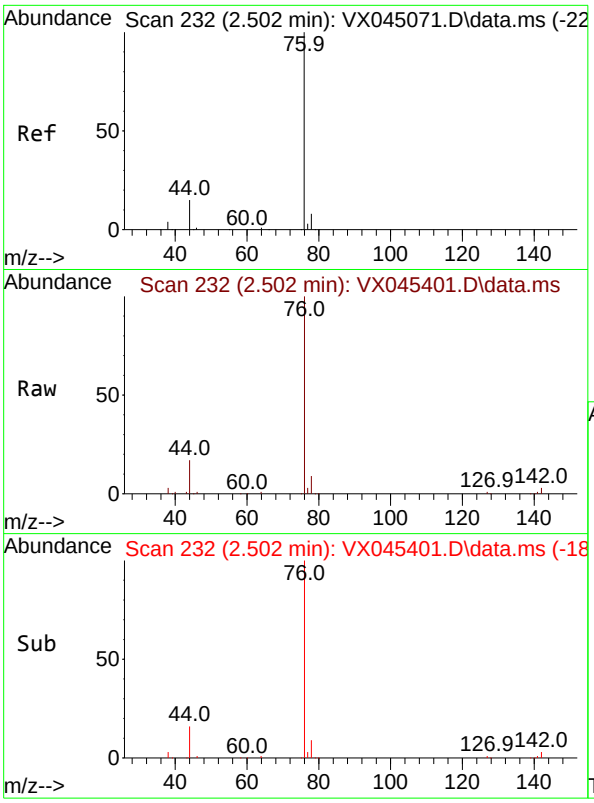


#16
Acetone
Concen: 272.633 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion: 43 Resp: 150609

Ion	Ratio	Lower	Upper
43	100		
58	27.1	24.2	36.4



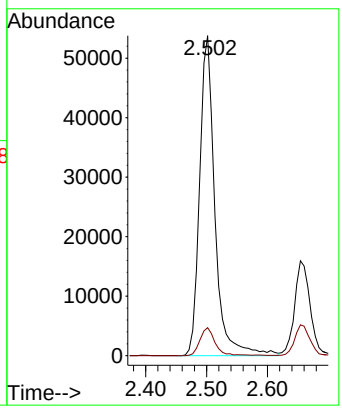


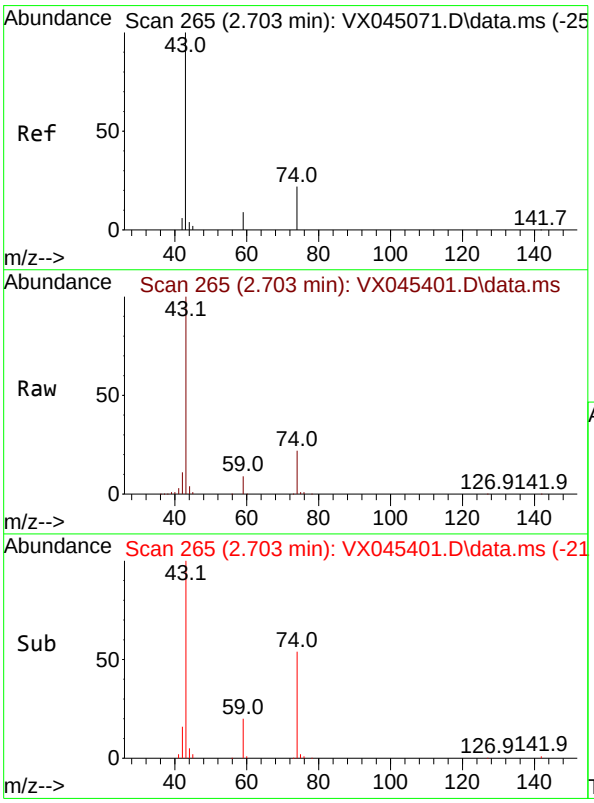
#17
Carbon Disulfide
Concen: 38.262 ug/l
RT: 2.502 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 76 Resp: 93735

Ion	Ratio	Lower	Upper
76	100		
78	8.7	6.6	9.8

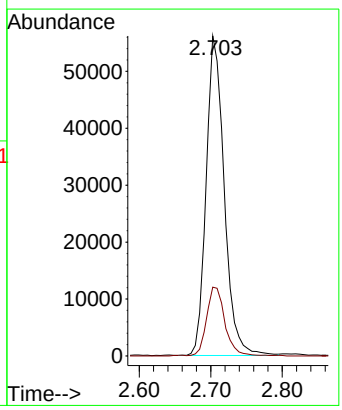


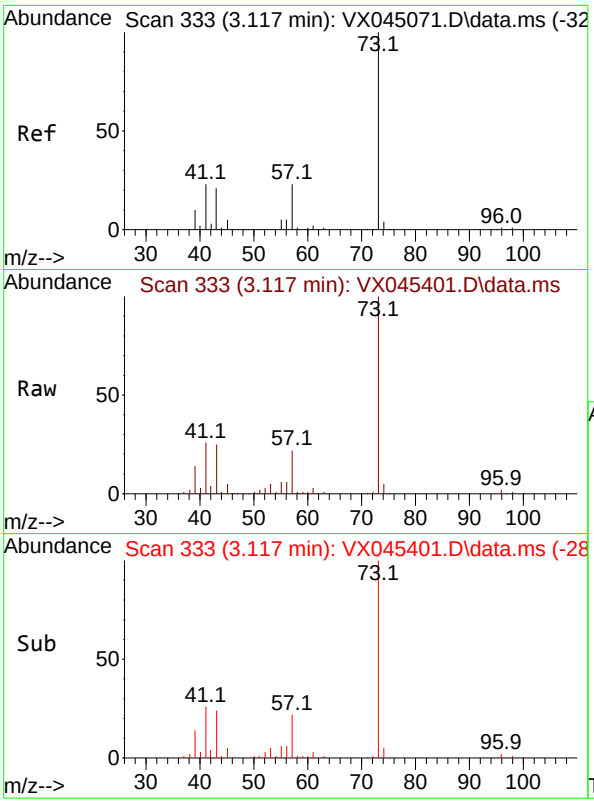


#18
Methyl Acetate
Concen: 74.217 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion: 43 Resp: 98631

Ion	Ratio	Lower	Upper
43	100		
74	21.9	17.4	26.2



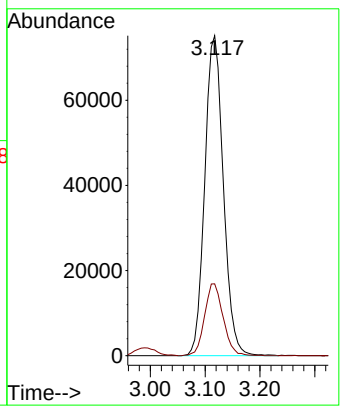


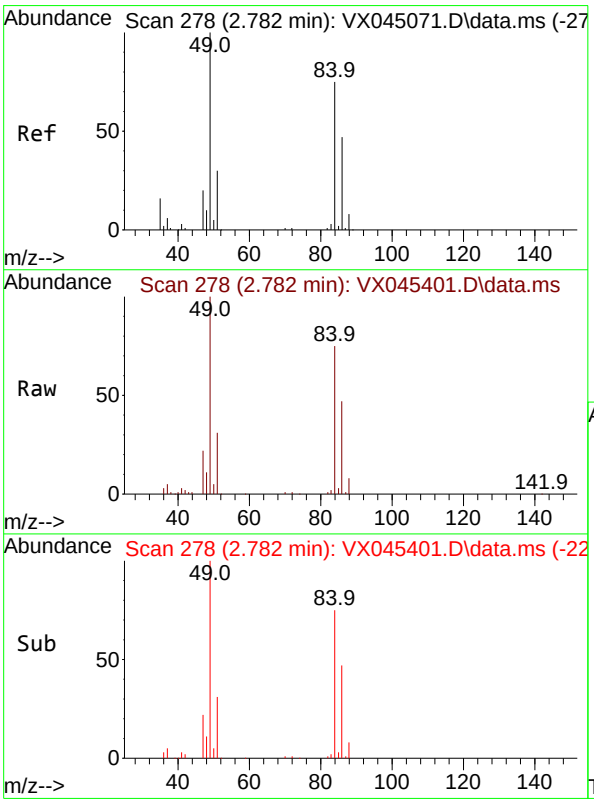
#19
Methyl tert-butyl Ether
Concen: 57.141 ug/l
RT: 3.117 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 73 Resp: 176330

Ion	Ratio	Lower	Upper
73	100		
57	22.5	18.5	27.7

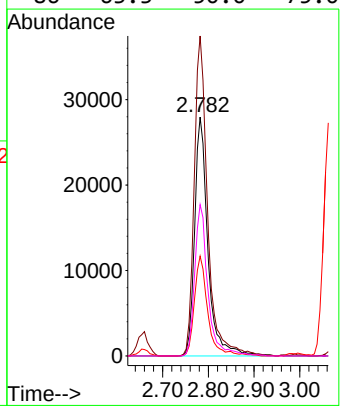


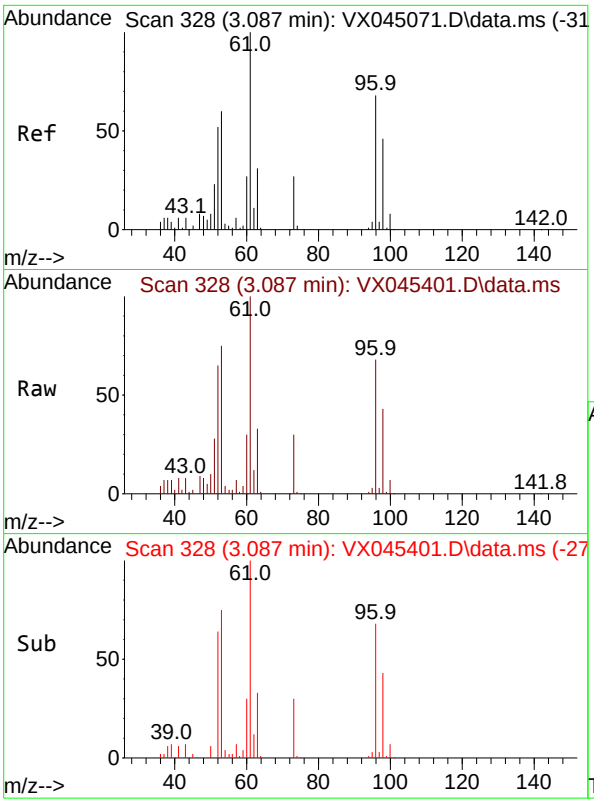


#20
Methylene Chloride
Concen: 51.722 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion: 84 Resp: 56599

Ion	Ratio	Lower	Upper
84	100		
49	133.9	106.5	159.7
51	41.8	32.1	48.1
86	63.3	50.0	75.0



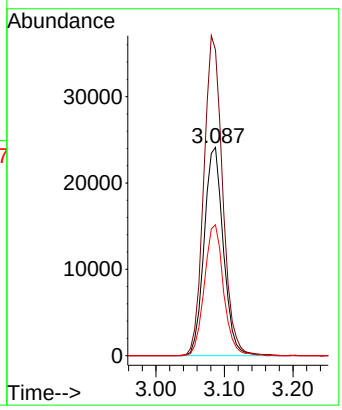


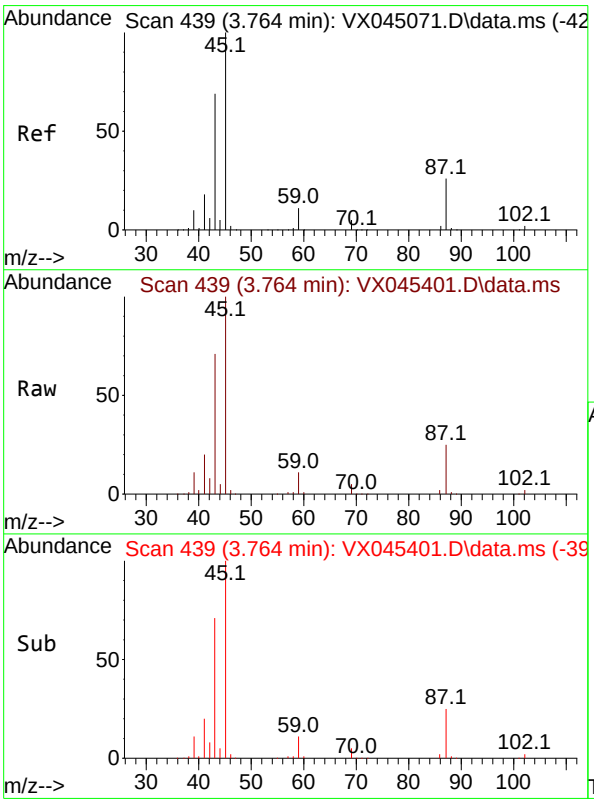
#21
trans-1,2-Dichloroethene
Concen: 51.770 ug/l
RT: 3.087 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 96 Resp: 47043

Ion	Ratio	Lower	Upper
96	100		
61	146.8	117.0	175.4
98	62.8	53.4	80.2

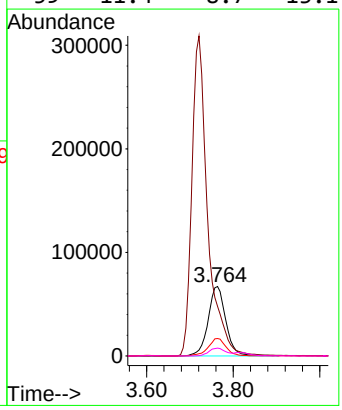


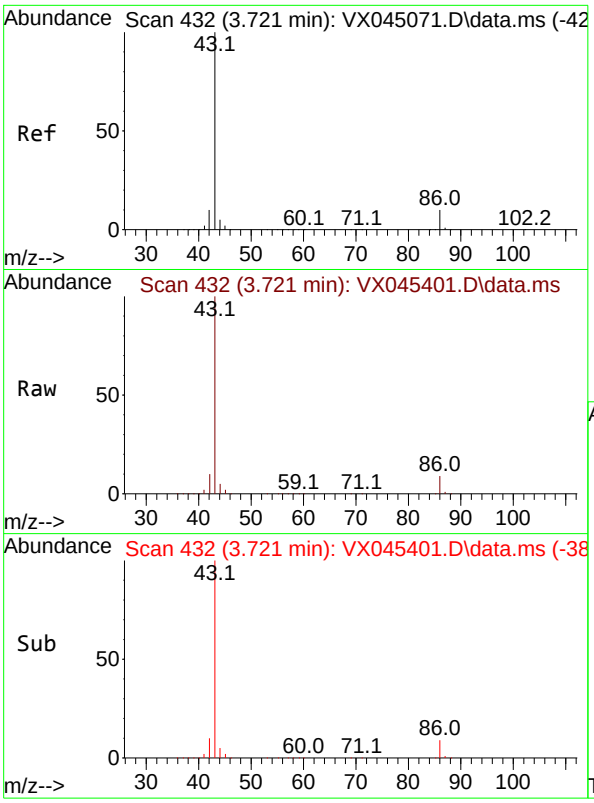


#22
Diisopropyl ether
Concen: 57.185 ug/l
RT: 3.764 min Scan# 439
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion: 45 Resp: 190414

Ion	Ratio	Lower	Upper
45	100		
43	71.1	54.9	82.3
87	25.0	21.0	31.4
59	11.4	8.7	13.1



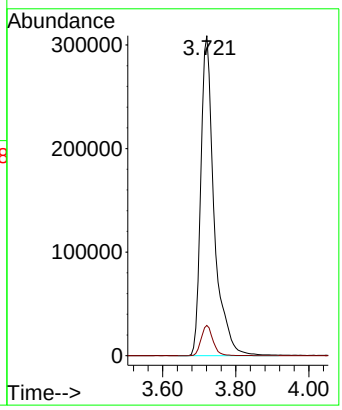


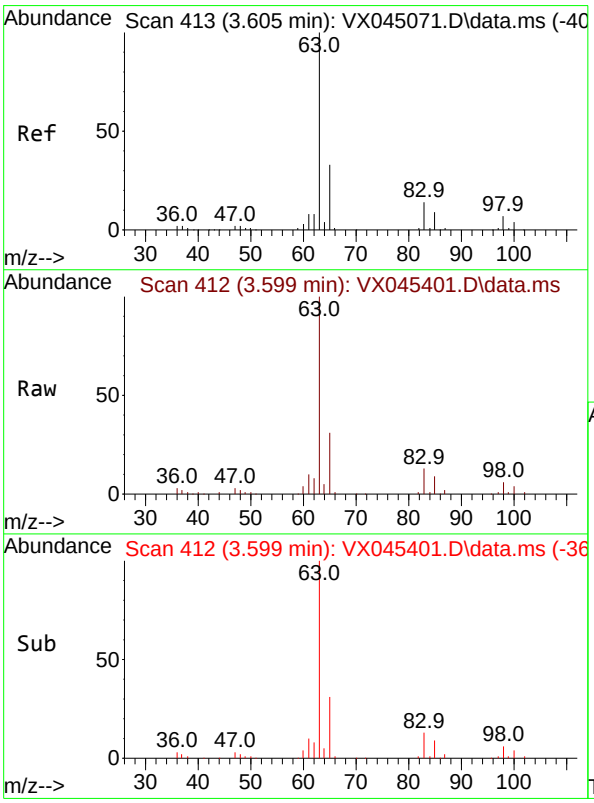
#23
Vinyl Acetate
Concen: 282.670 ug/l
RT: 3.721 min Scan# 4
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 785465

Ion	Ratio	Lower	Upper
43	100		
86	9.5	8.1	12.1

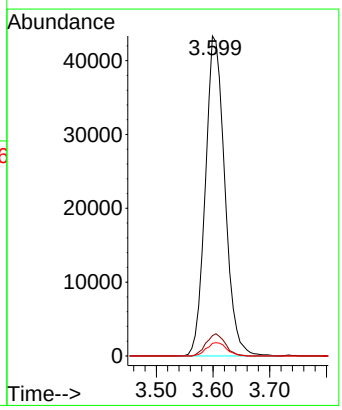


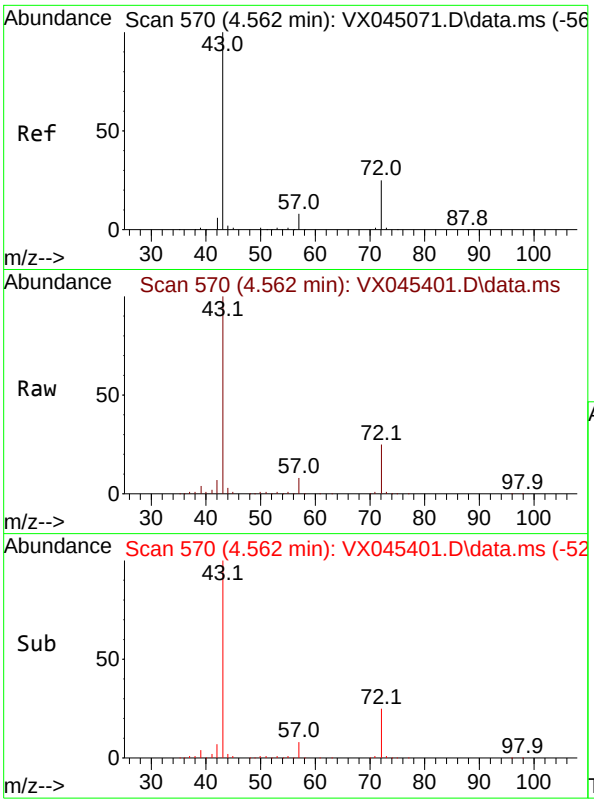


#24
1,1-Dichloroethane
Concen: 55.318 ug/l
RT: 3.599 min Scan# 412
Delta R.T. -0.006 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion: 63 Resp: 103230

Ion	Ratio	Lower	Upper
63	100		
98	6.4	3.4	10.2
100	4.0	2.1	6.5



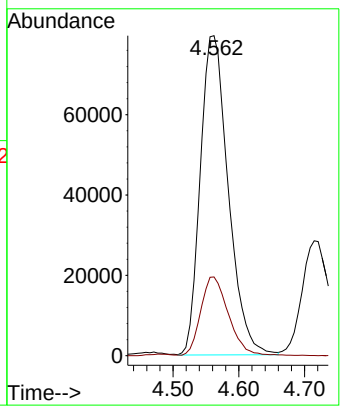


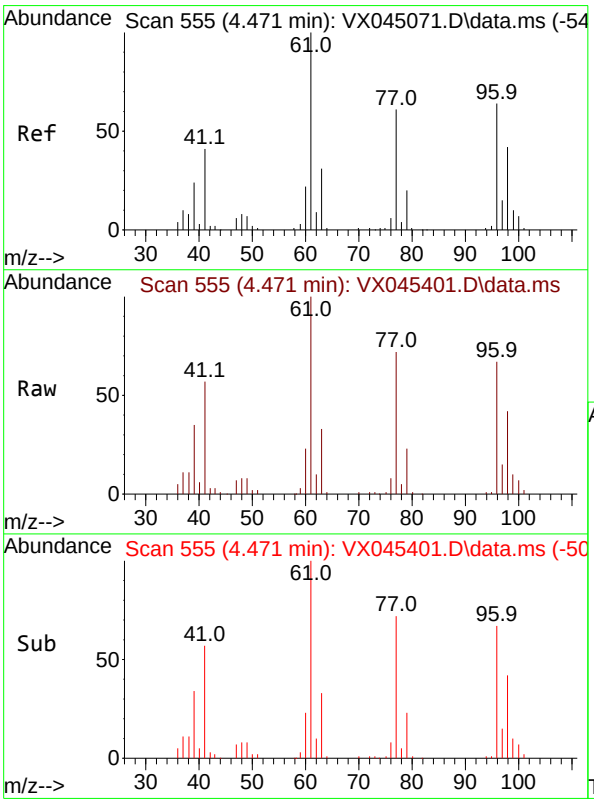
#25
2-Butanone
Concen: 283.702 ug/l
RT: 4.562 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 235908

Ion	Ratio	Lower	Upper
43	100		
72	24.5	20.0	30.0

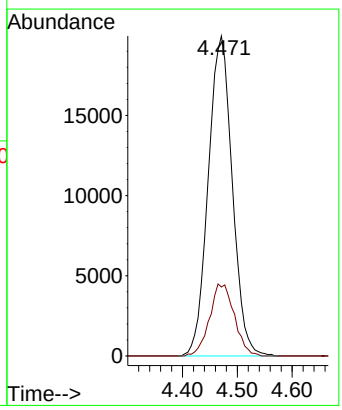


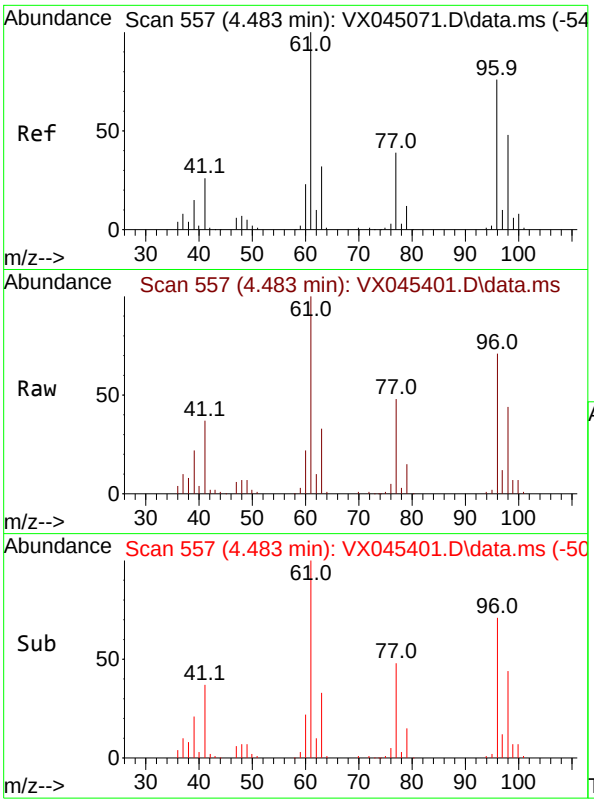


#26
2,2-Dichloropropane
Concen: 69.398 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion: 77 Resp: 60745

Ion	Ratio	Lower	Upper
77	100		
97	23.2	12.4	37.0



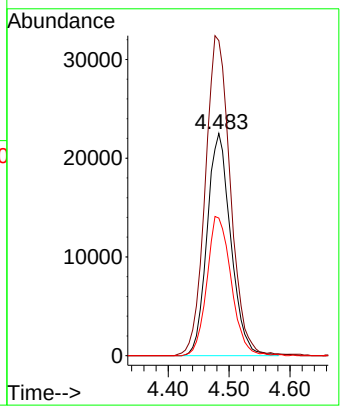


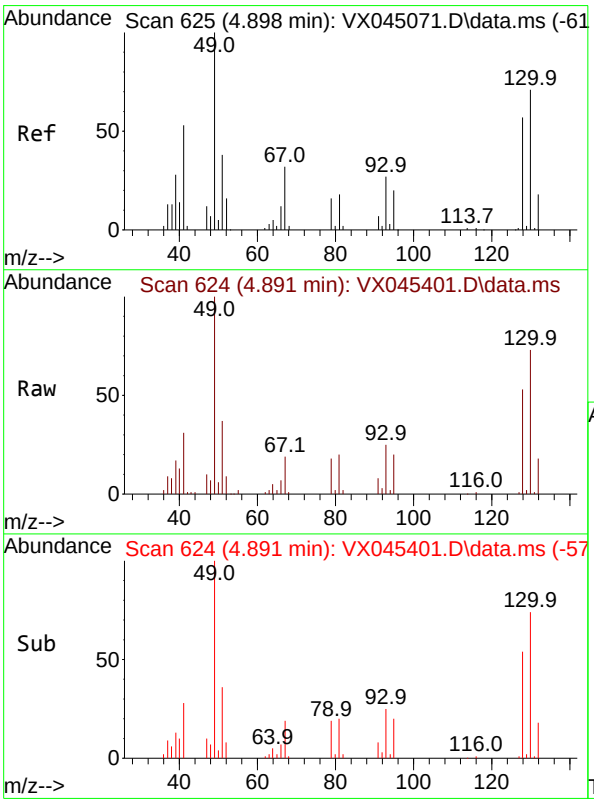
#27
cis-1,2-Dichloroethene
Concen: 54.229 ug/l
RT: 4.483 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 96 Resp: 60830

Ion	Ratio	Lower	Upper
96	100		
61	152.5	0.0	283.2
98	64.3	0.0	128.0

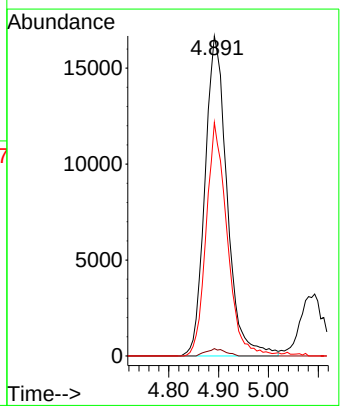


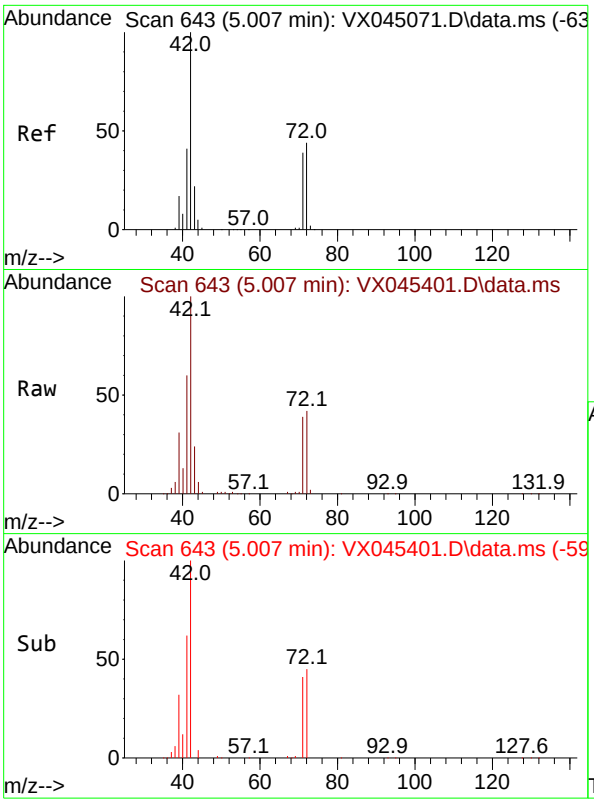


#28
Bromochloromethane
Concen: 57.732 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion: 49 Resp: 51351

Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	3.4
130	69.3	56.1	84.1



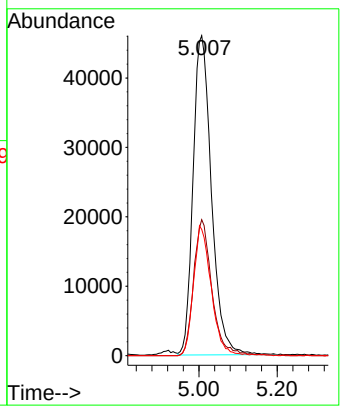


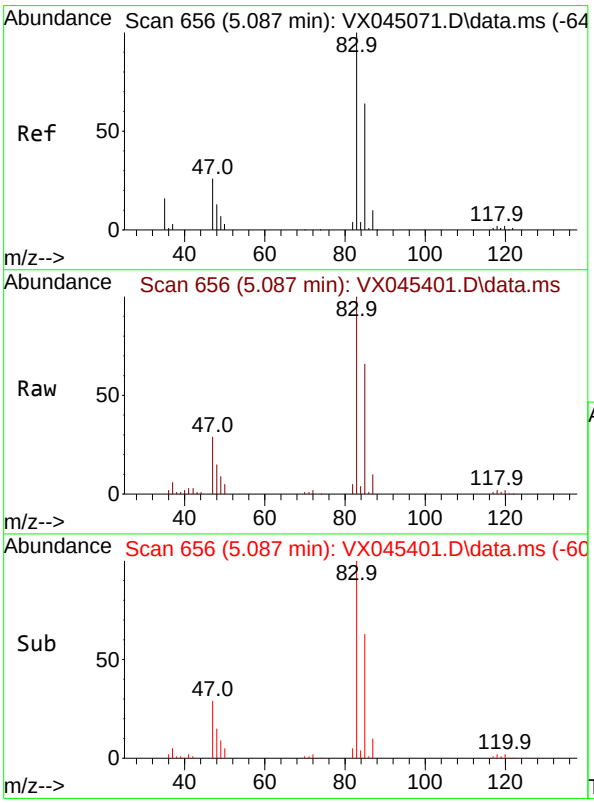
#29
Tetrahydrofuran
Concen: 269.265 ug/l
RT: 5.007 min Scan# 64
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 42 Resp: 150362

Ion	Ratio	Lower	Upper
42	100		
72	42.6	34.1	51.1
71	39.1	31.4	47.0

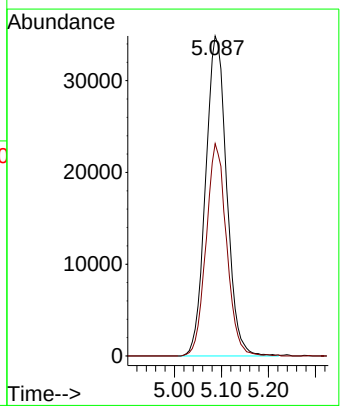


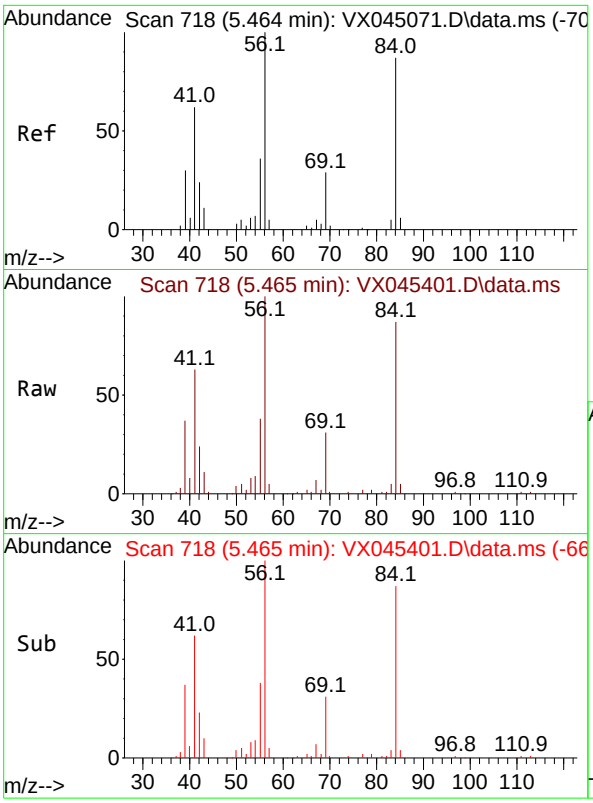


#30
Chloroform
Concen: 58.430 ug/l
RT: 5.087 min Scan# 656
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion: 83 Resp: 108341

Ion	Ratio	Lower	Upper
83	100		
85	66.4	51.4	77.2



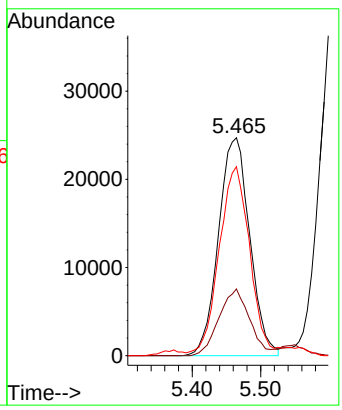


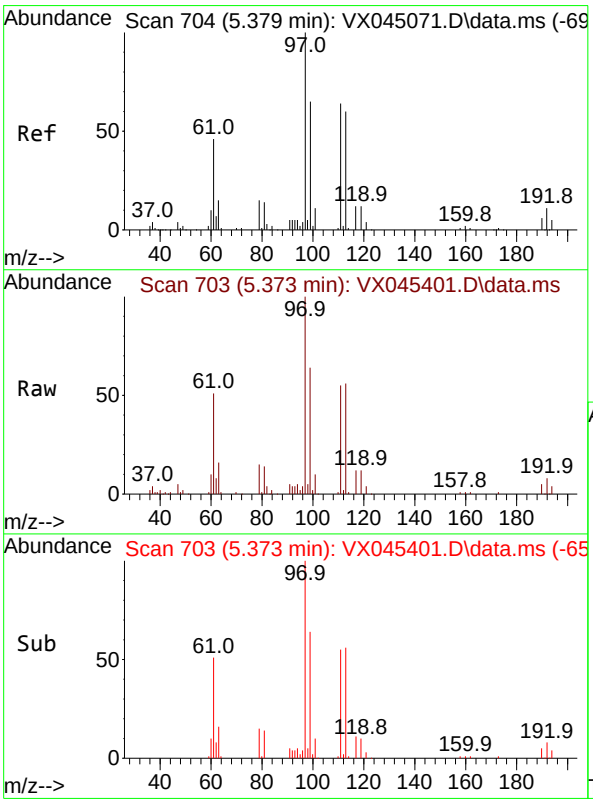
#31
Cyclohexane
Concen: 48.368 ug/l
RT: 5.465 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 56 Resp: 78351

Ion	Ratio	Lower	Upper
56	100		
69	30.6	23.4	35.2
84	85.0	69.4	104.2

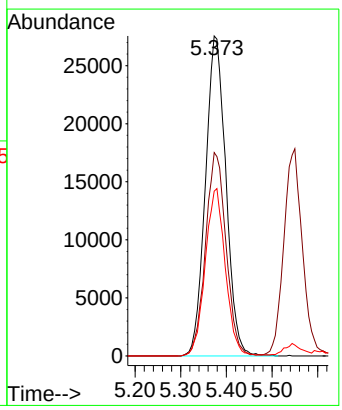


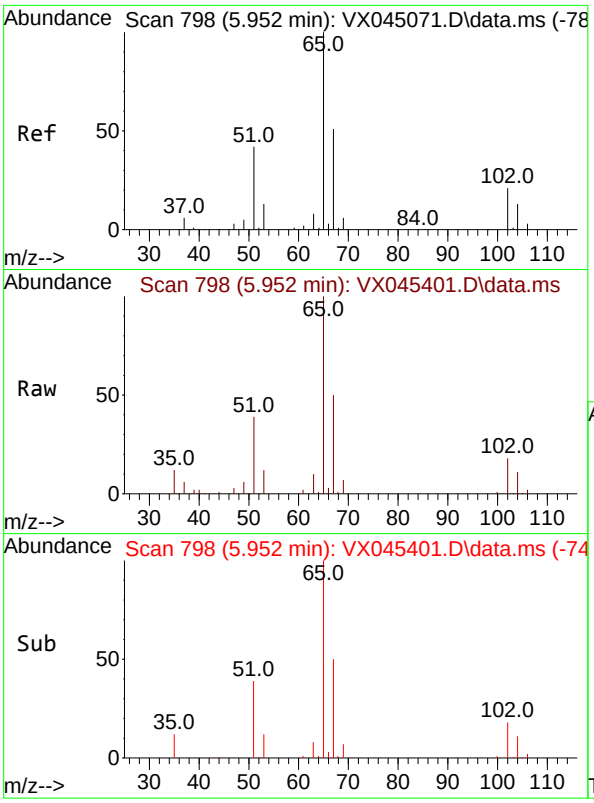


#32
1,1,1-Trichloroethane
Concen: 57.268 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.006 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion: 97 Resp: 85762

Ion	Ratio	Lower	Upper
97	100		
99	63.7	51.6	77.4
61	51.4	38.4	57.6



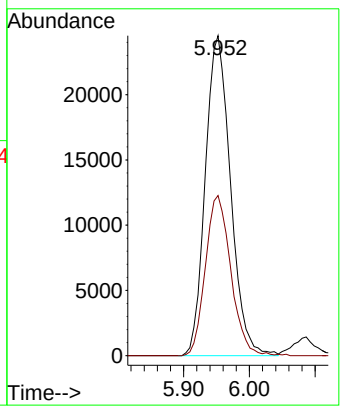


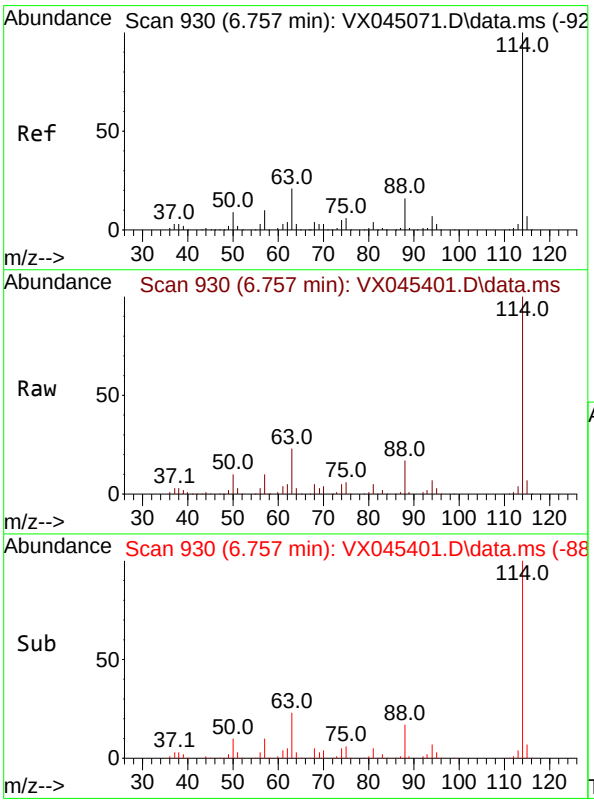
#33
1,2-Dichloroethane-d4
Concen: 54.980 ug/l
RT: 5.952 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 65 Resp: 65462

Ion	Ratio	Lower	Upper
65	100		
67	50.3	0.0	106.2

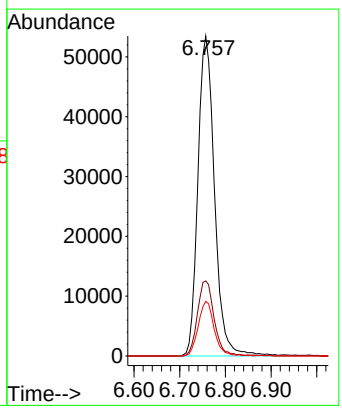


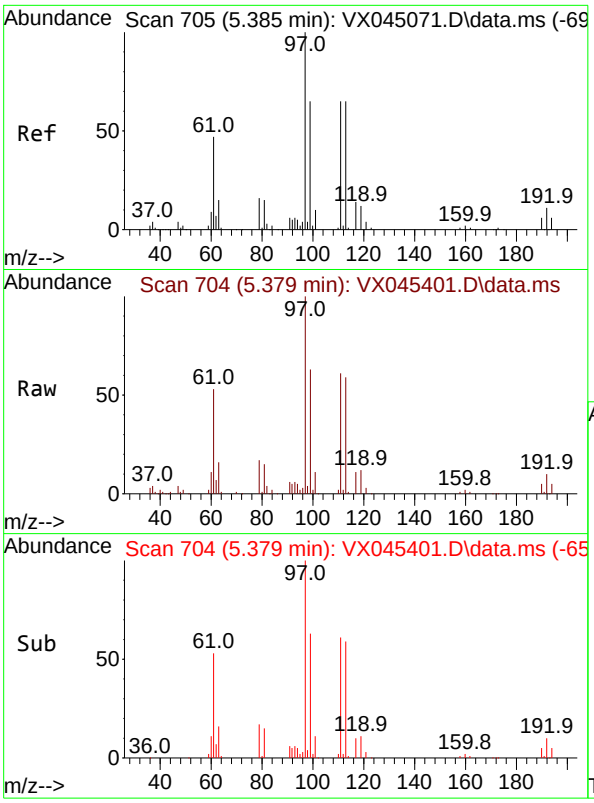


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion:114 Resp: 134934

Ion	Ratio	Lower	Upper
114	100		
63	23.5	0.0	41.8
88	17.1	0.0	32.8



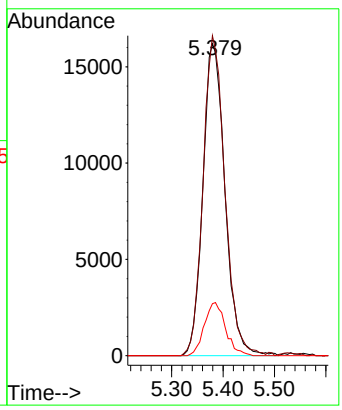


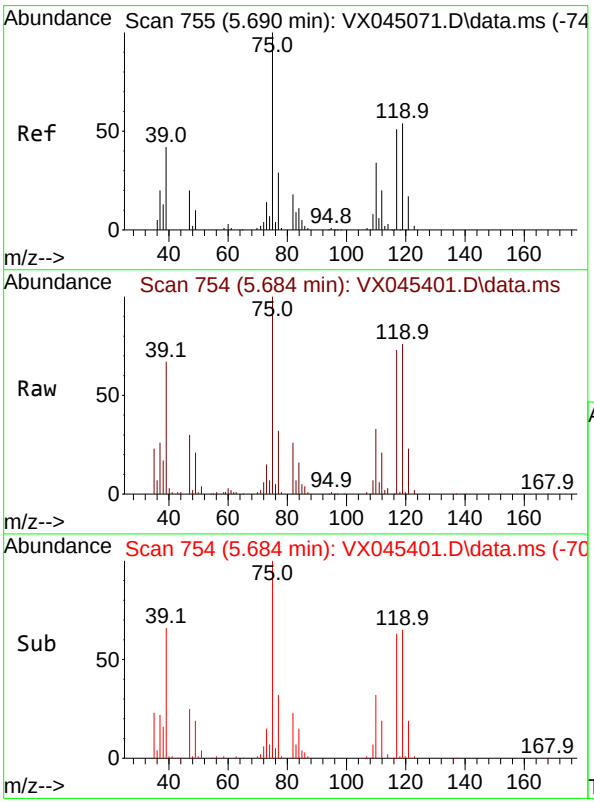
#35
Dibromofluoromethane
Concen: 53.497 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:113 Resp: 48269

Ion	Ratio	Lower	Upper
113	100		
111	101.4	81.8	122.6
192	16.4	14.3	21.5

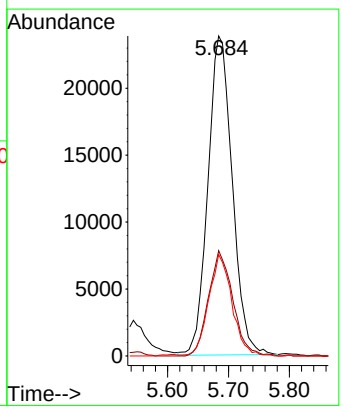


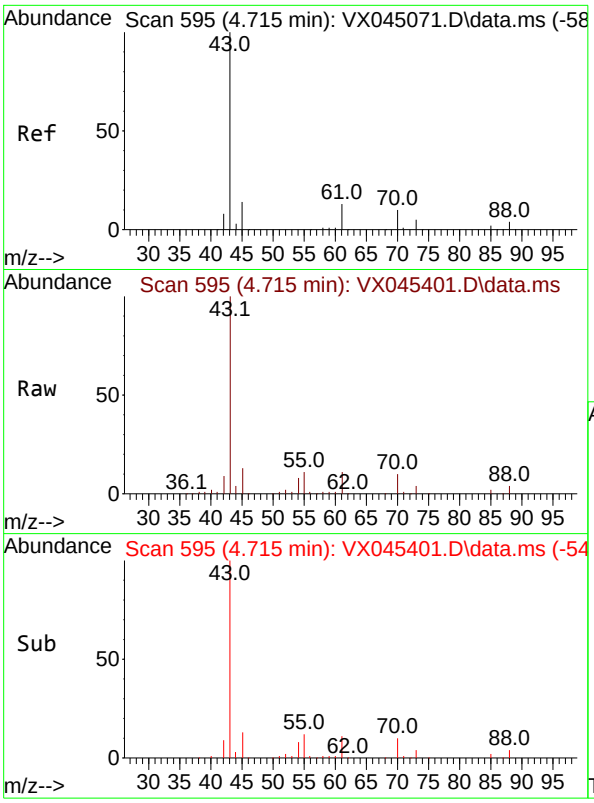


#36
1,1-Dichloropropene
Concen: 53.446 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion: 75 Resp: 66133

Ion	Ratio	Lower	Upper
75	100		
110	32.9	16.9	50.6
77	30.4	24.5	36.7



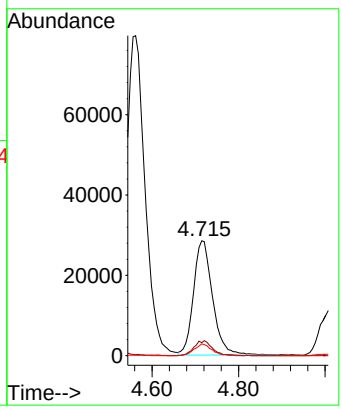


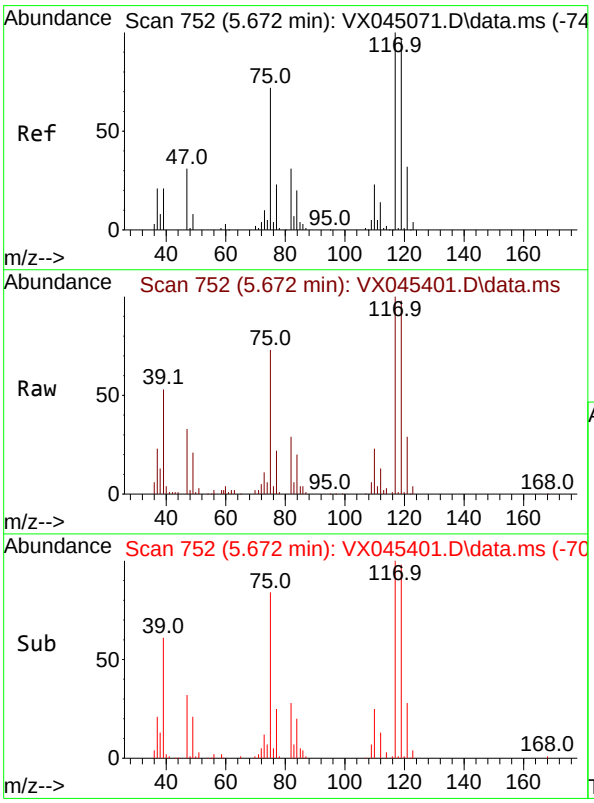
#37
Ethyl Acetate
Concen: 54.690 ug/l
RT: 4.715 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 87199

Ion	Ratio	Lower	Upper
43	100		
61	12.7	10.8	16.2
70	9.4	7.7	11.5

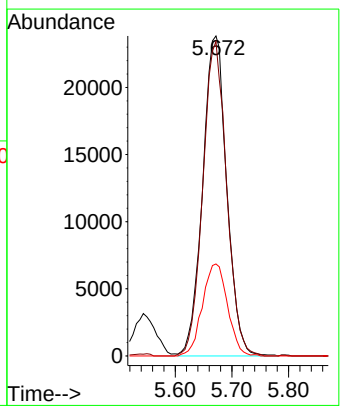


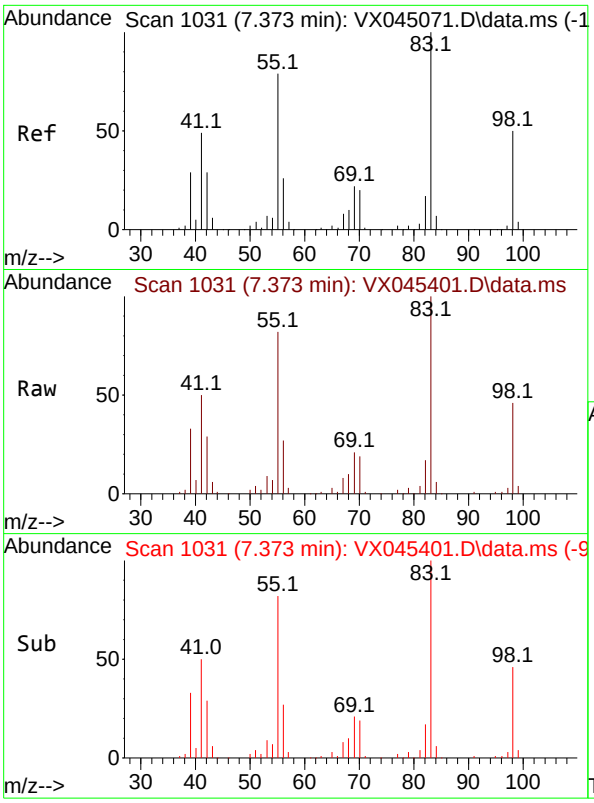


#38
Carbon Tetrachloride
Concen: 56.138 ug/l
RT: 5.672 min Scan# 752
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion:117 Resp: 70522

Ion	Ratio	Lower	Upper
117	100		
119	98.3	76.7	115.1
121	28.8	25.5	38.3



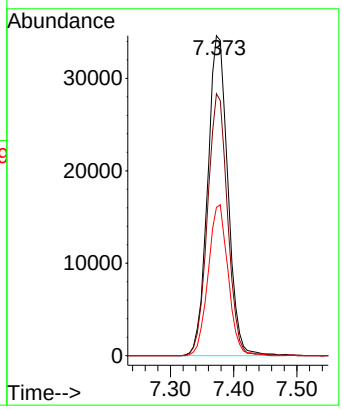


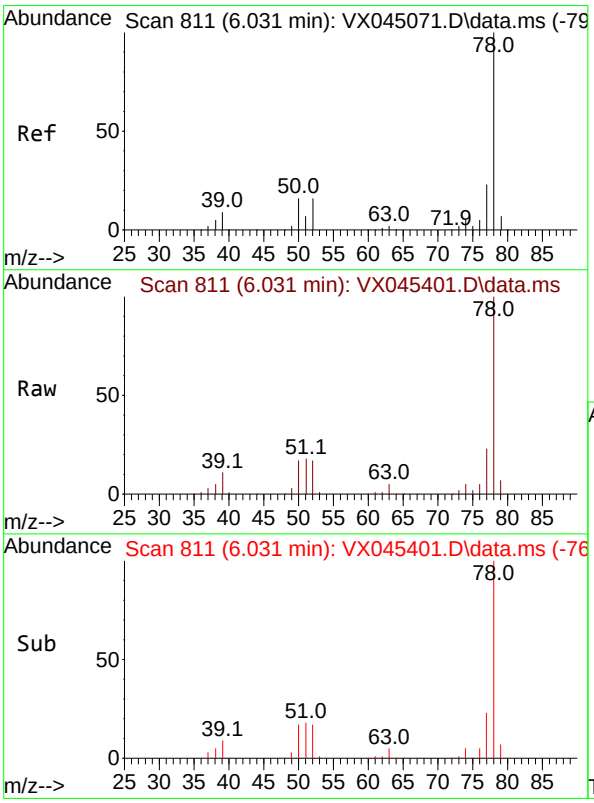
#39
Methylcyclohexane
Concen: 51.725 ug/l
RT: 7.373 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 76690

Ion	Ratio	Lower	Upper
83	100		
55	81.8	63.0	94.4
98	46.4	39.7	59.5

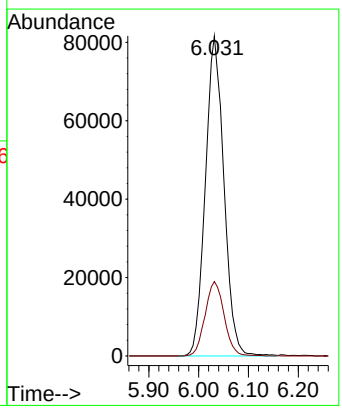


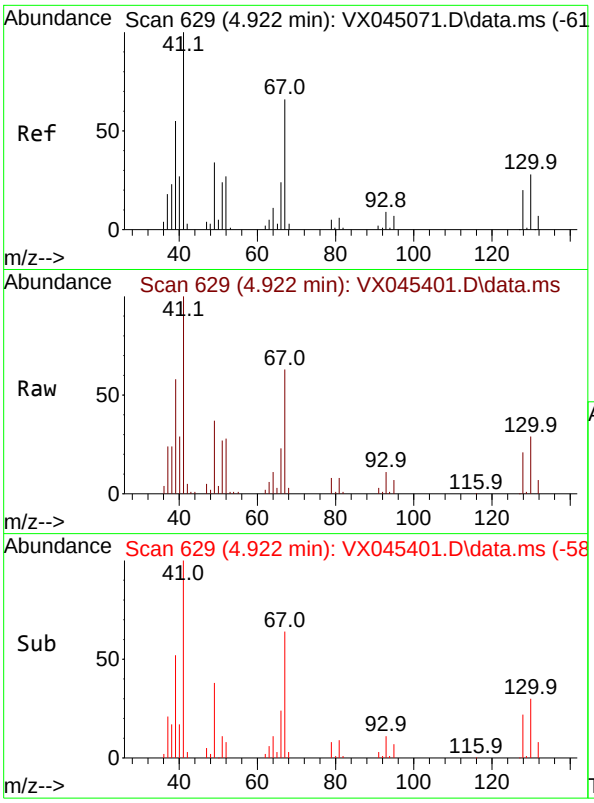


#40
Benzene
Concen: 53.866 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion: 78 Resp: 210474

Ion	Ratio	Lower	Upper
78	100		
77	23.2	18.8	28.2



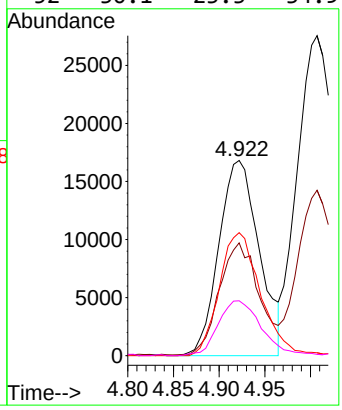


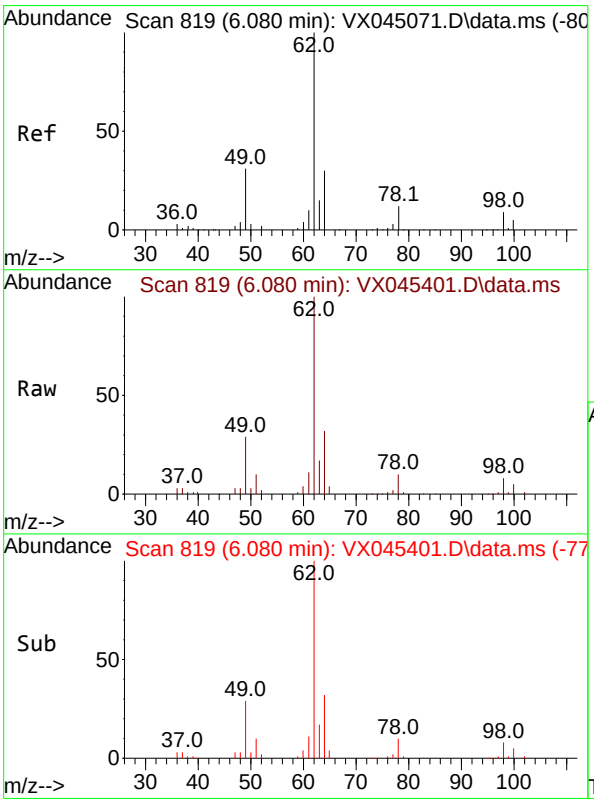
#41
Methacrylonitrile
Concen: 59.981 ug/l
RT: 4.922 min Scan# 6
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 41 Resp: 51712

Ion	Ratio	Lower	Upper
41	100		
39	56.6	44.6	67.0
67	64.4	53.9	80.9
52	30.1	23.3	34.9

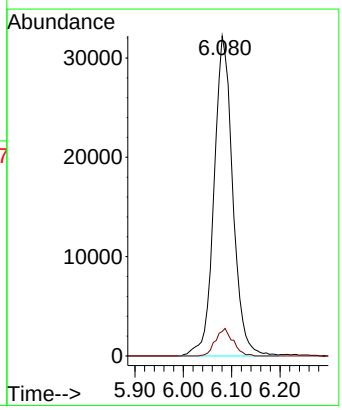


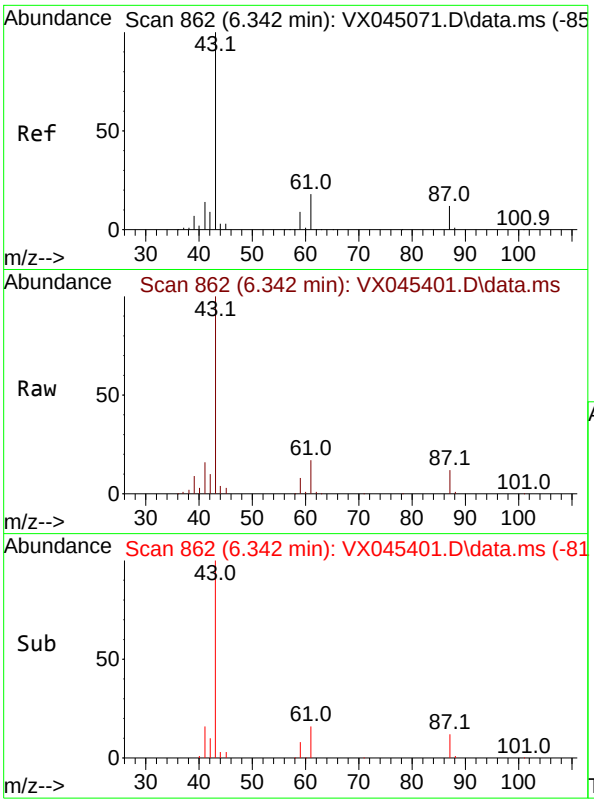


#42
1,2-Dichloroethane
Concen: 61.661 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion: 62 Resp: 86759

Ion	Ratio	Lower	Upper
62	100		
98	8.0	0.0	18.2



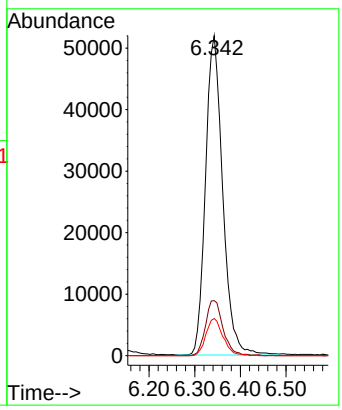


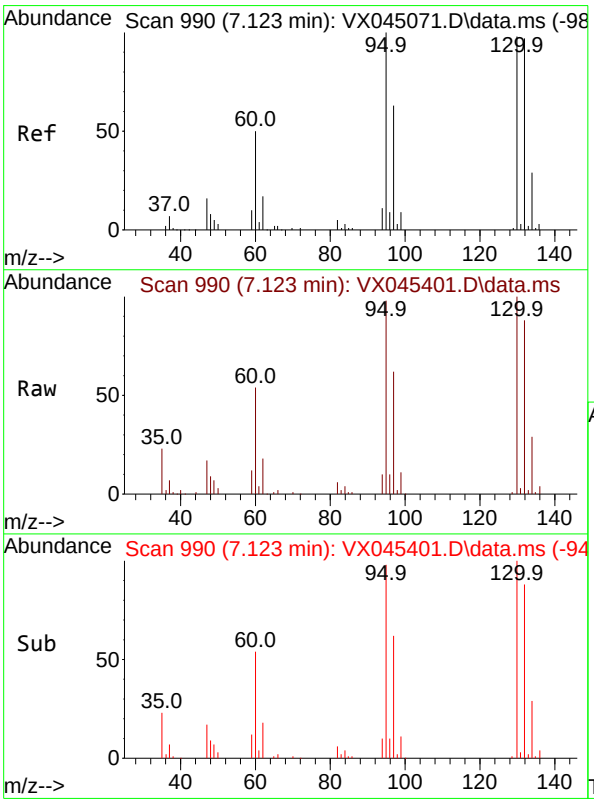
#43
Isopropyl Acetate
Concen: 57.582 ug/l
RT: 6.342 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 135762

Ion	Ratio	Lower	Upper
43	100		
61	17.6	14.9	22.3
87	11.5	9.4	14.2

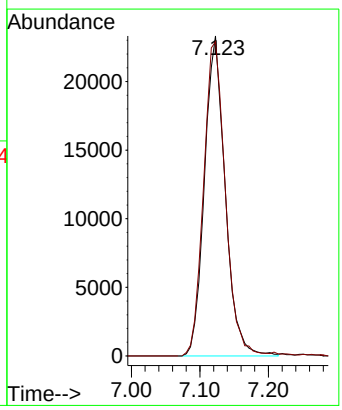


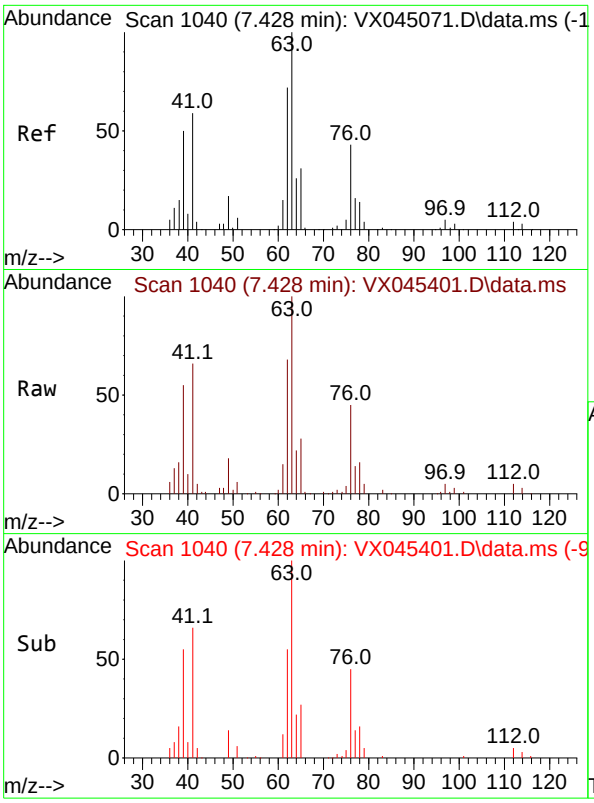


#44
Trichloroethene
Concen: 53.459 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion:130 Resp: 49047

Ion	Ratio	Lower	Upper
130	100		
95	98.2	0.0	205.0



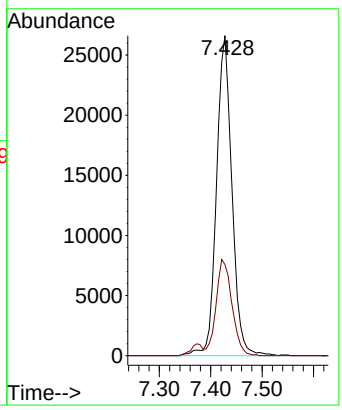


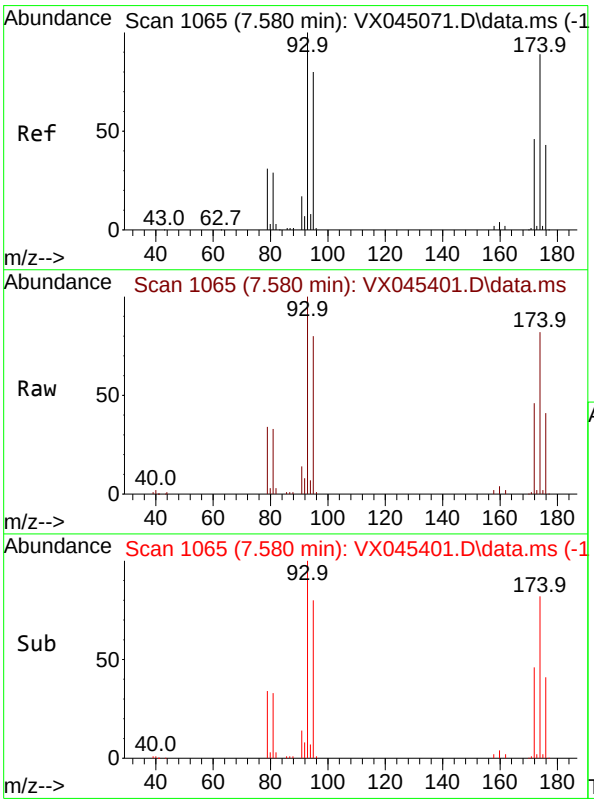
#45
1,2-Dichloropropane
Concen: 55.246 ug/l
RT: 7.428 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 63 Resp: 55501

Ion	Ratio	Lower	Upper
63	100		
65	28.5	24.7	37.1

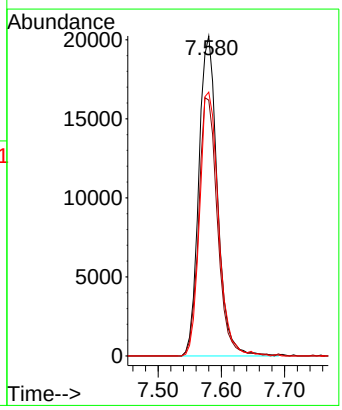


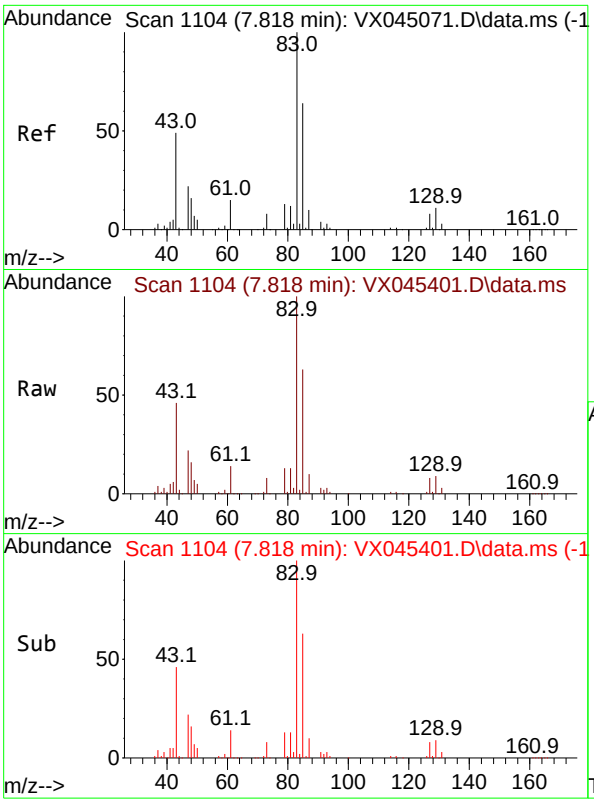


#46
Dibromomethane
Concen: 58.374 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion: 93 Resp: 41450

Ion	Ratio	Lower	Upper
93	100		
95	81.5	65.8	98.8
174	83.9	72.2	108.2



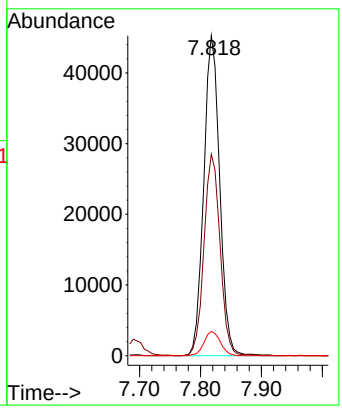


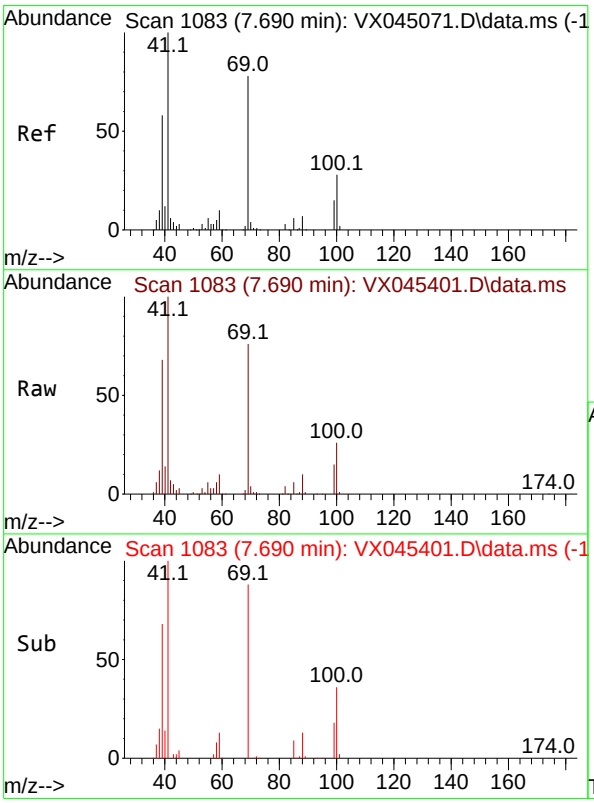
#47
Bromodichloromethane
Concen: 59.068 ug/l
RT: 7.818 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 82269

Ion	Ratio	Lower	Upper
83	100		
85	63.0	51.1	76.7
127	7.6	6.4	9.6

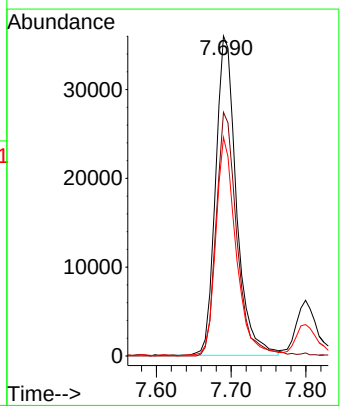


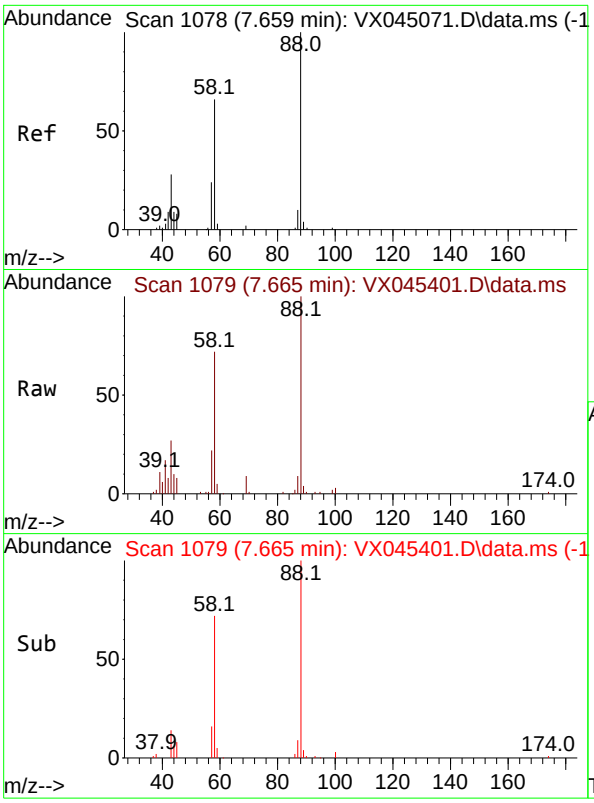


#48
Methyl methacrylate
Concen: 58.949 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion: 41 Resp: 69727

Ion	Ratio	Lower	Upper
41	100		
69	76.1	63.0	94.6
39	67.2	47.5	71.3



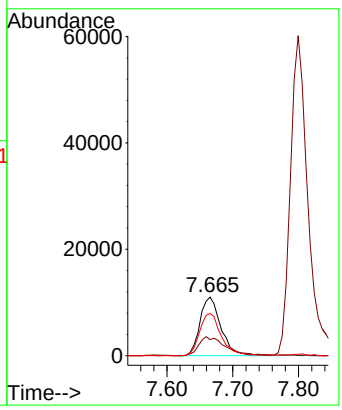


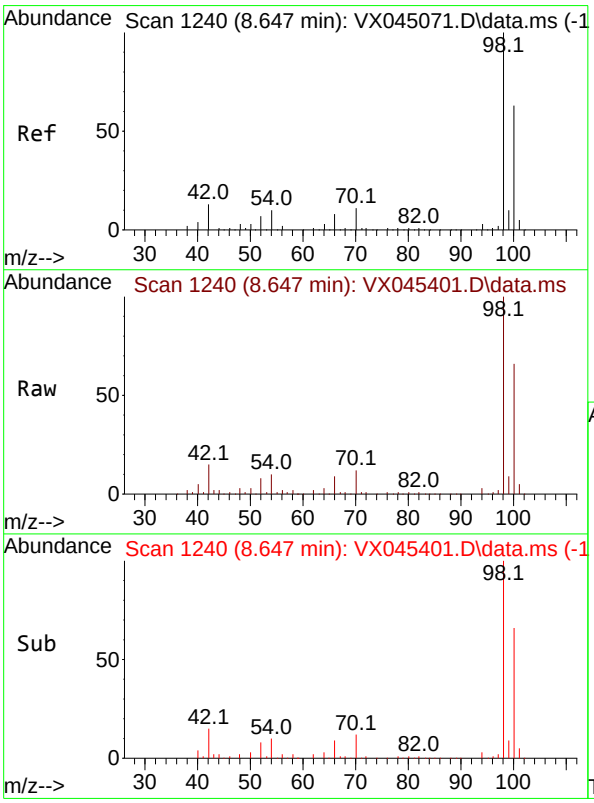
#49
1,4-Dioxane
Concen: 985.741 ug/l
RT: 7.665 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 88 Resp: 24595

Ion	Ratio	Lower	Upper
88	100		
43	39.6	28.7	43.1
58	73.7	55.8	83.8

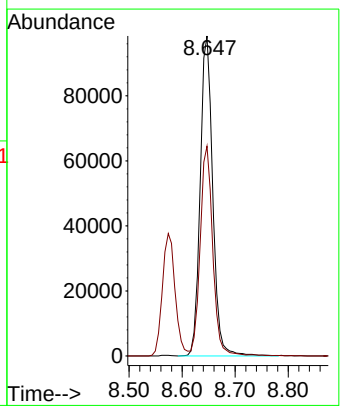


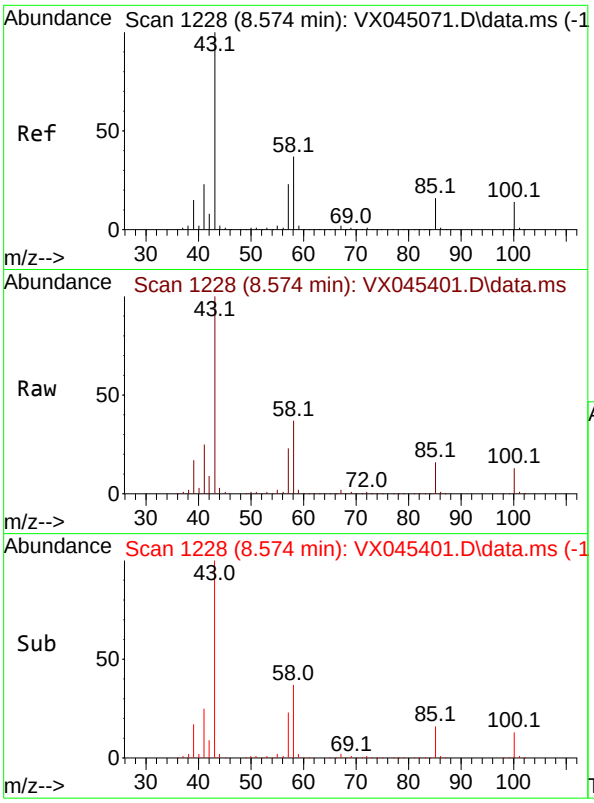


#50
Toluene-d8
Concen: 49.417 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion: 98 Resp: 161646

Ion	Ratio	Lower	Upper
98	100		
100	65.7	52.0	78.0



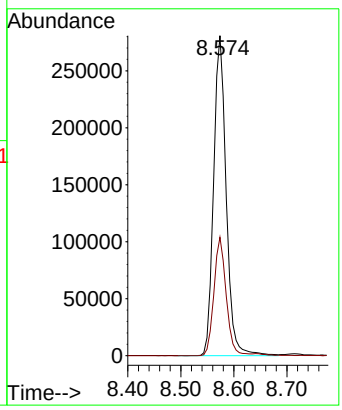


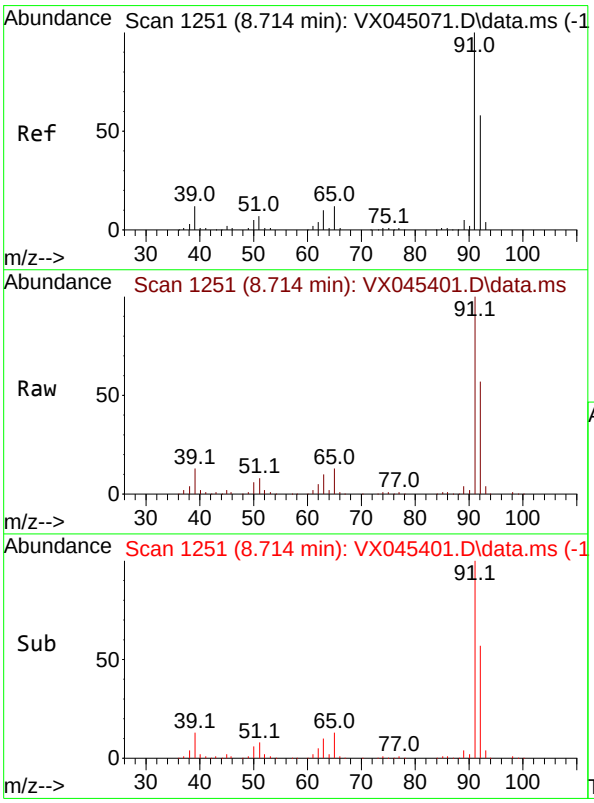
#51
4-Methyl-2-Pentanone
Concen: 292.590 ug/l
RT: 8.574 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 463190

Ion	Ratio	Lower	Upper
43	100		
58	36.0	29.2	43.8

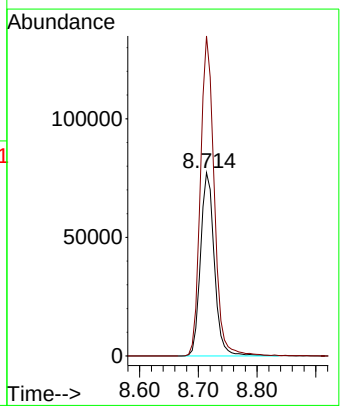


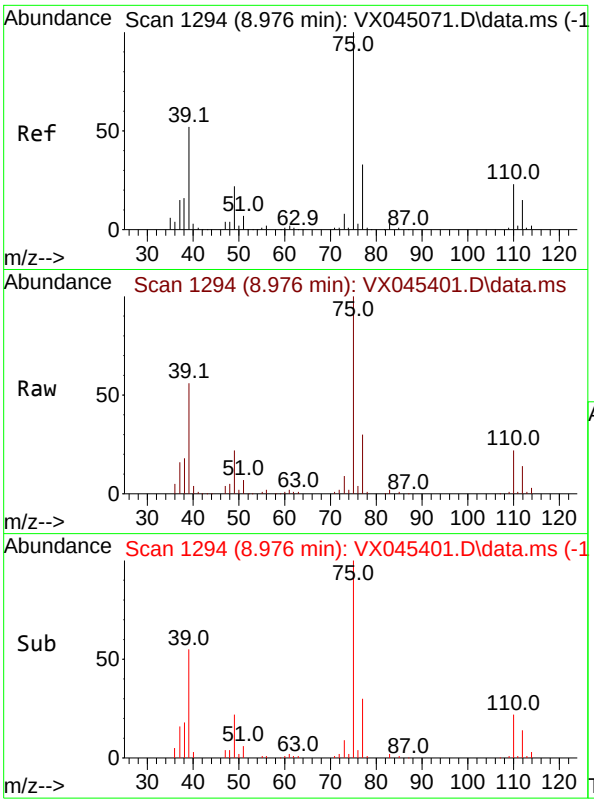


#52
Toluene
Concen: 55.048 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion: 92 Resp: 126198

Ion	Ratio	Lower	Upper
92	100		
91	173.9	138.9	208.3



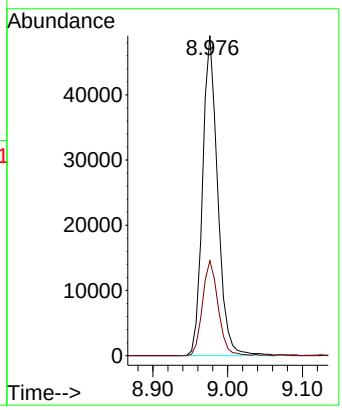


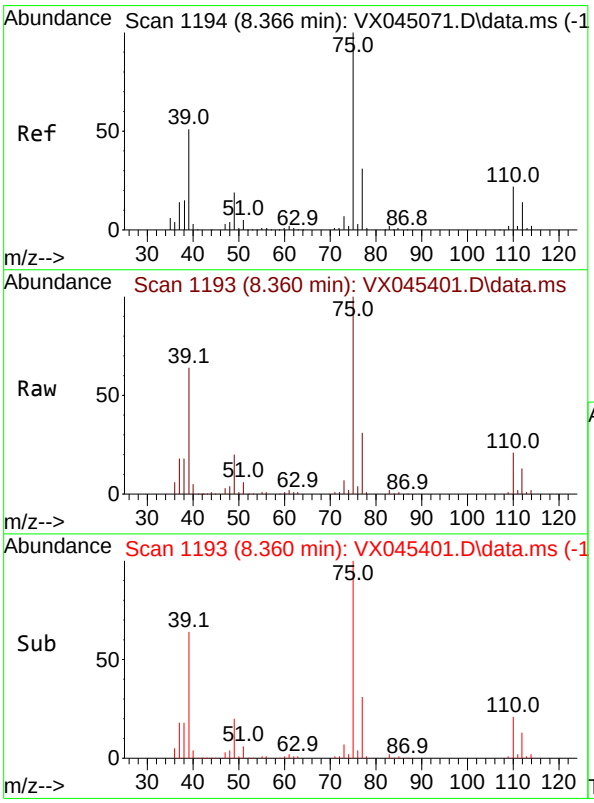
#53
t-1,3-Dichloropropene
Concen: 59.170 ug/l
RT: 8.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 68896

Ion	Ratio	Lower	Upper
75	100		
77	29.7	26.5	39.7

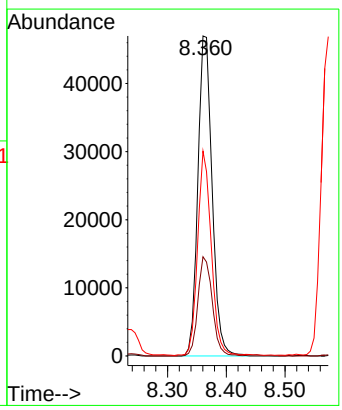


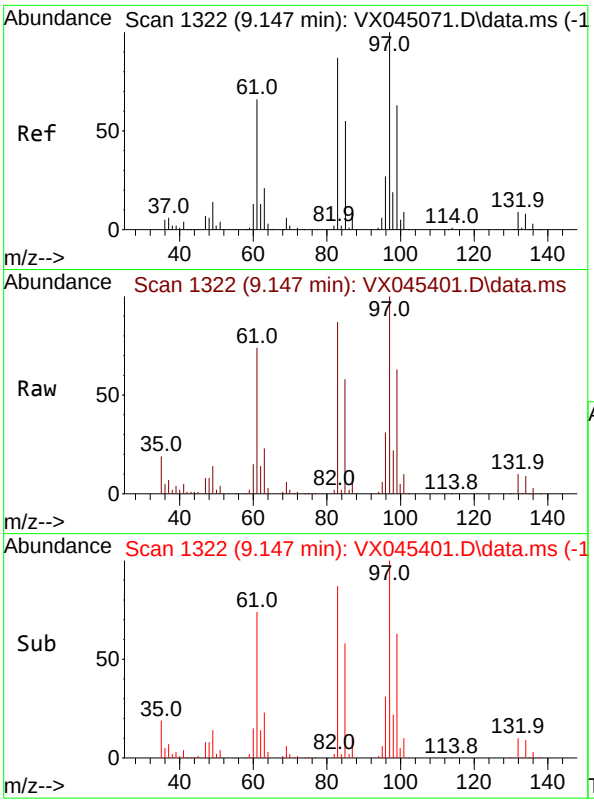


#54
cis-1,3-Dichloropropene
Concen: 58.304 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. -0.006 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion: 75 Resp: 79164

Ion	Ratio	Lower	Upper
75	100		
77	31.0	24.7	37.1
39	63.8	40.7	61.1#



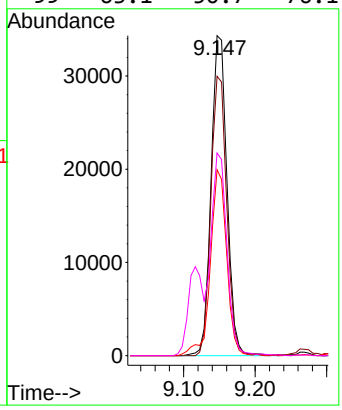


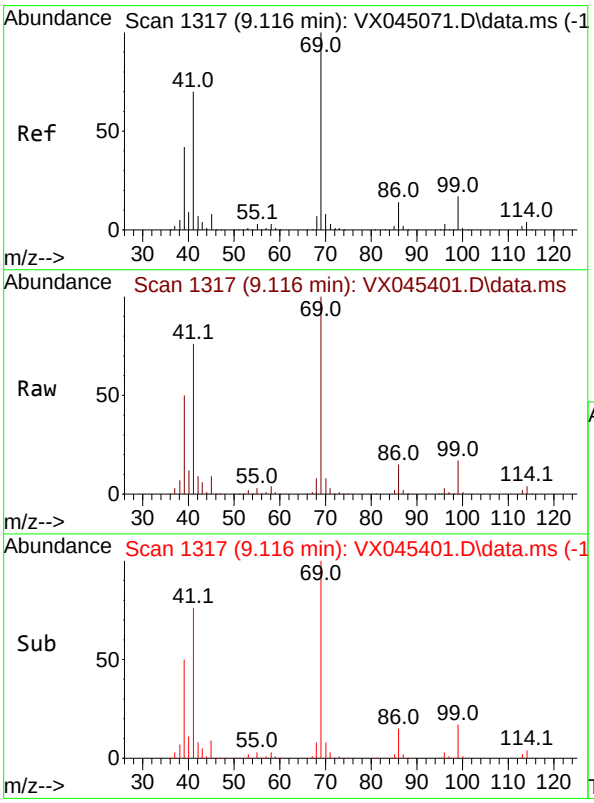
#55
1,1,2-Trichloroethane
Concen: 56.131 ug/l
RT: 9.147 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 97 Resp: 52975

Ion	Ratio	Lower	Upper
97	100		
83	87.3	69.4	104.2
85	58.1	44.1	66.1
99	63.1	50.7	76.1

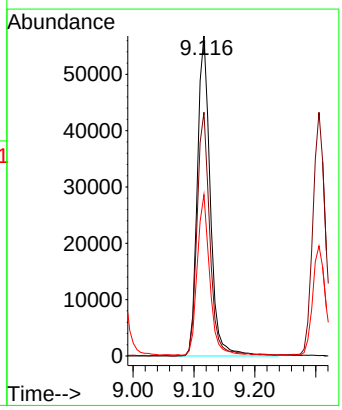


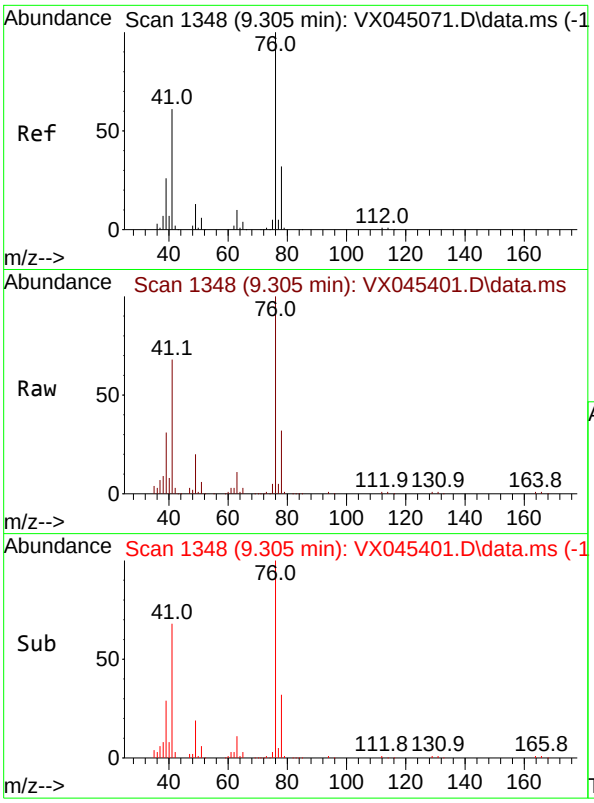


#56
Ethyl methacrylate
Concen: 58.321 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion: 69 Resp: 83667

Ion	Ratio	Lower	Upper
69	100		
41	75.7	57.0	85.4
39	48.9	34.2	51.4



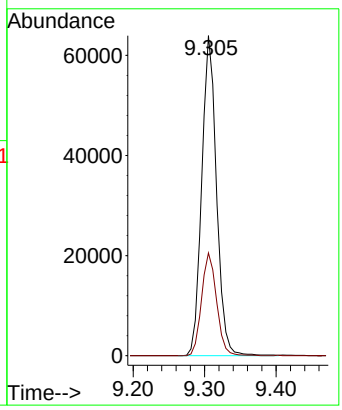


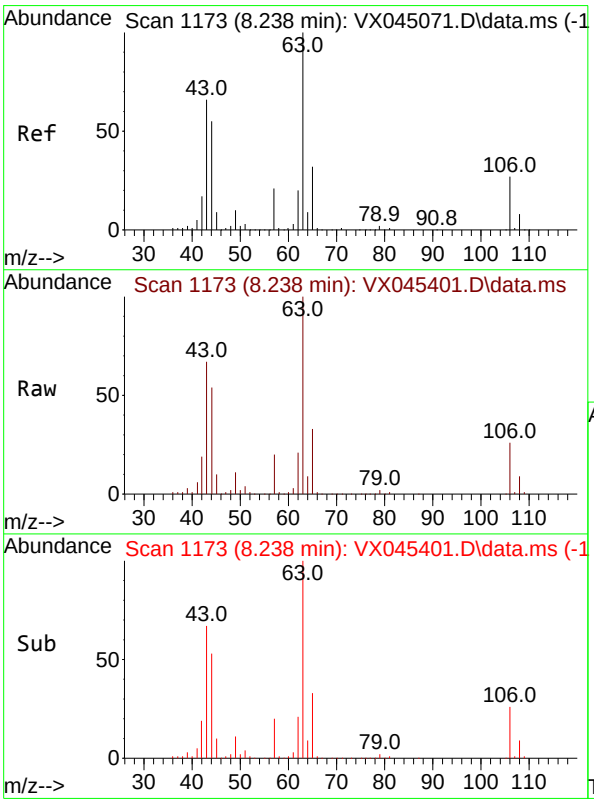
#57
1,3-Dichloropropane
Concen: 56.184 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 76 Resp: 91764

Ion	Ratio	Lower	Upper
76	100		
78	32.6	25.5	38.3

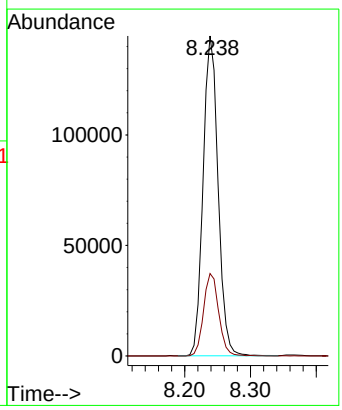


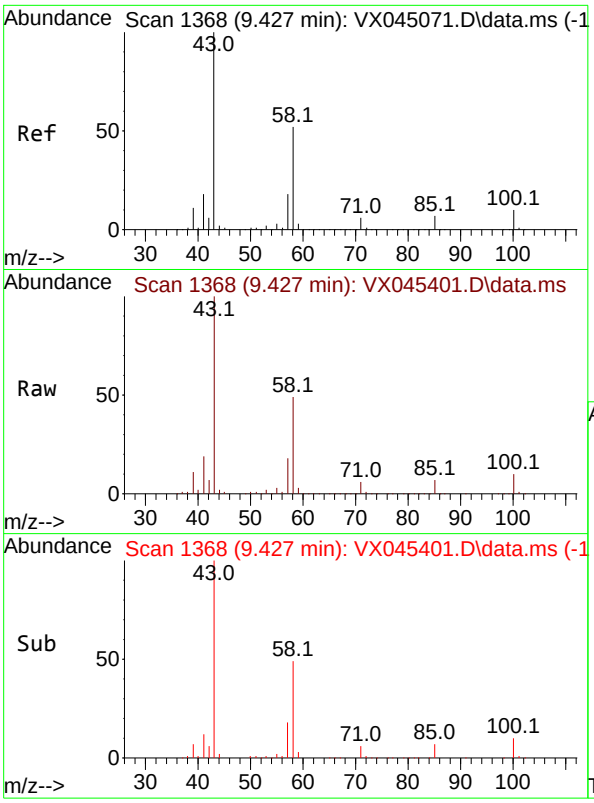


#58
2-Chloroethyl Vinyl ether
Concen: 327.394 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion: 63 Resp: 229112

Ion	Ratio	Lower	Upper
63	100		
106	26.1	21.5	32.3



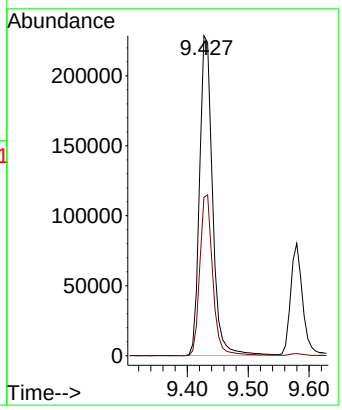


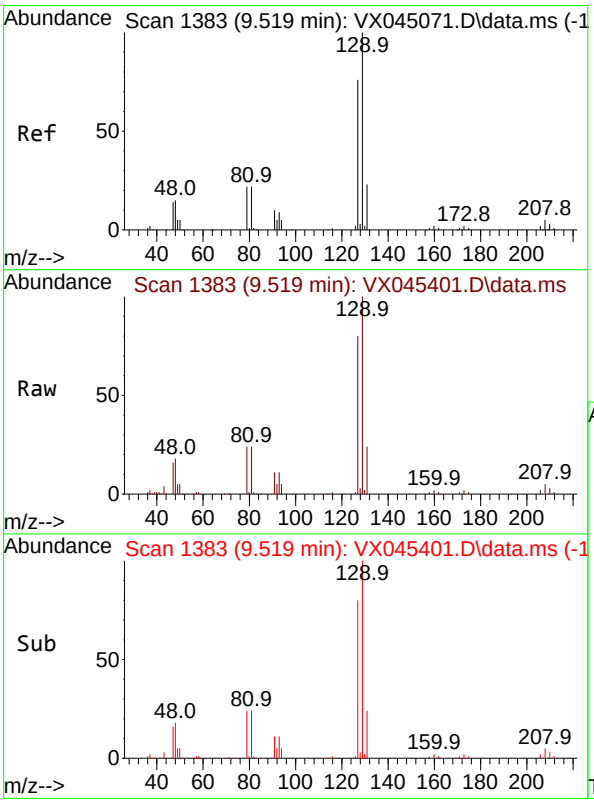
#59
2-Hexanone
Concen: 294.834 ug/l
RT: 9.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 338175

Ion	Ratio	Lower	Upper
43	100		
58	50.4	25.9	77.6

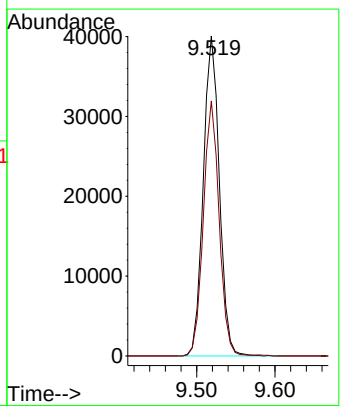


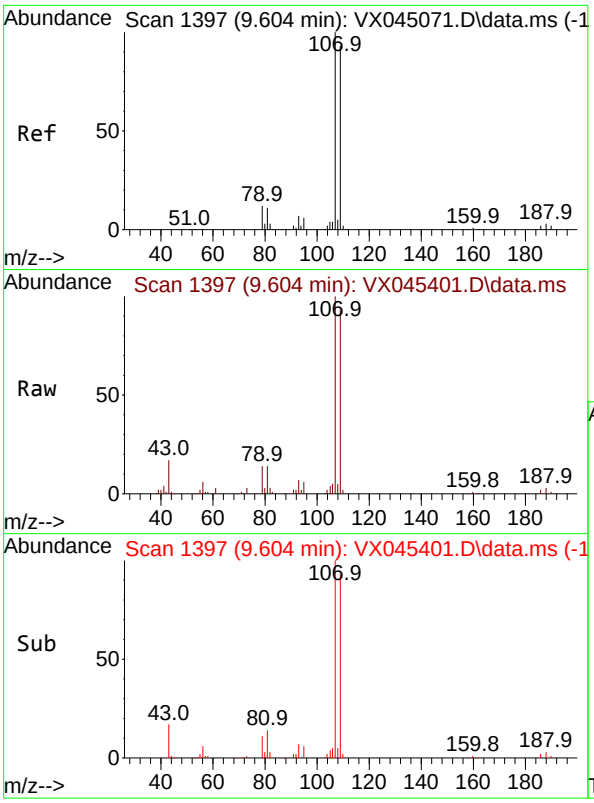


#60
Dibromochloromethane
Concen: 57.765 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion:129 Resp: 57002

Ion	Ratio	Lower	Upper
129	100		
127	78.2	38.5	115.5



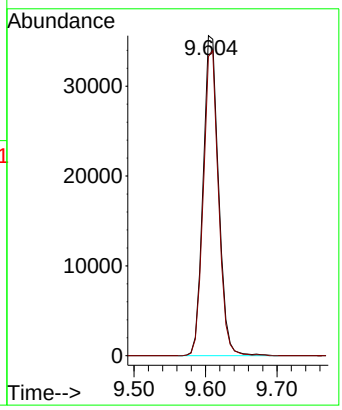


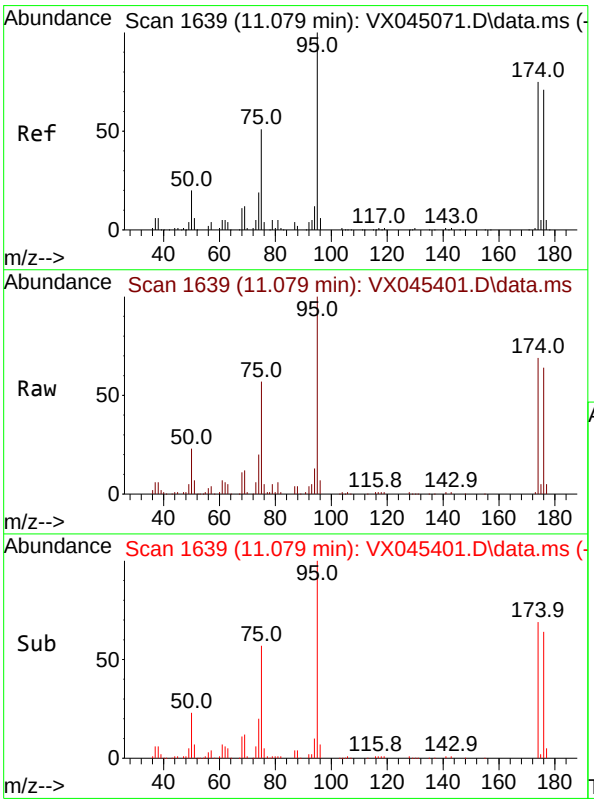
#61
1,2-Dibromoethane
Concen: 56.890 ug/l
RT: 9.604 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:107 Resp: 53600

Ion	Ratio	Lower	Upper
107	100		
109	93.3	76.1	114.1

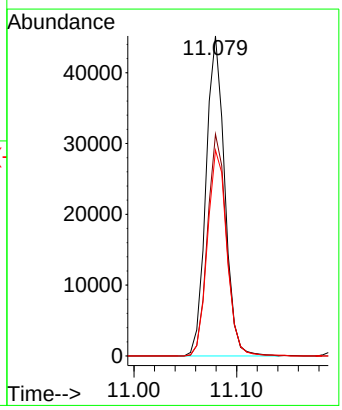


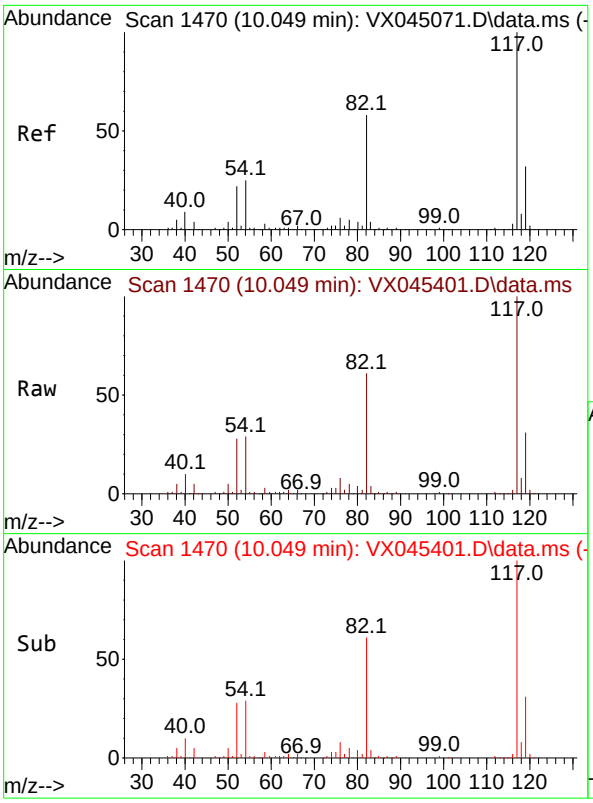


#62
4-Bromofluorobenzene
Concen: 52.550 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion: 95 Resp: 56960

Ion	Ratio	Lower	Upper
95	100		
174	70.5	0.0	148.2
176	66.9	0.0	141.4



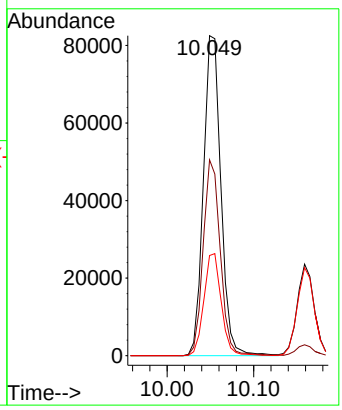


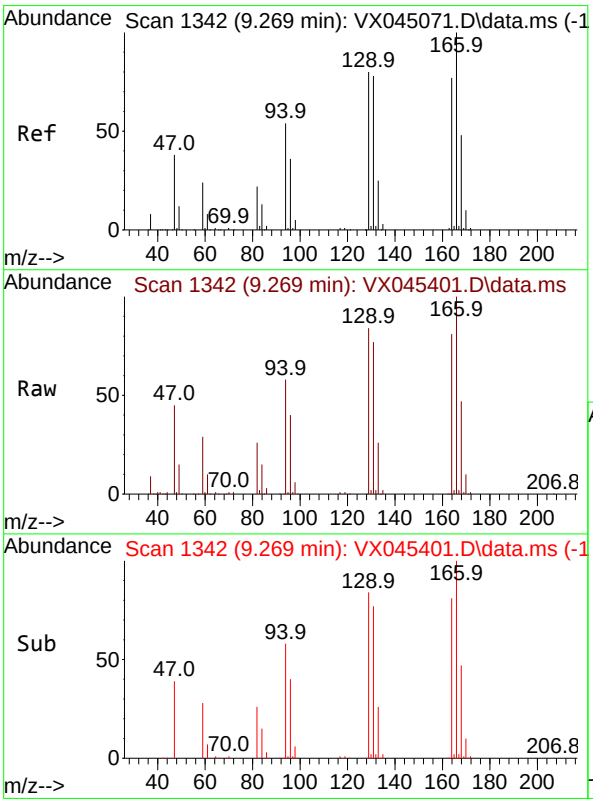
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:117 Resp: 115975

Ion	Ratio	Lower	Upper
117	100		
82	61.2	46.3	69.5
119	31.3	25.7	38.5

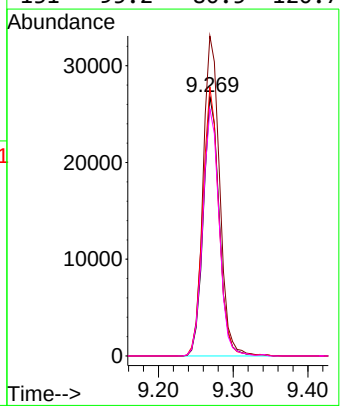


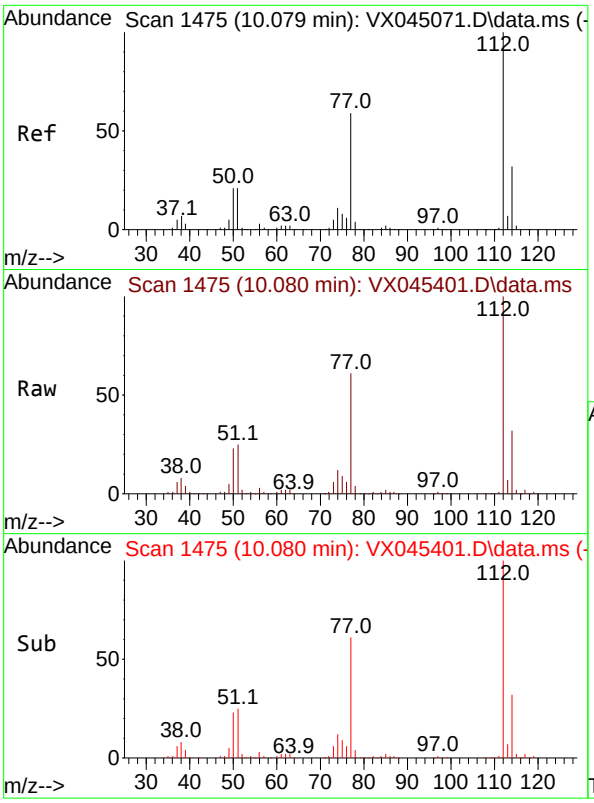


#64
Tetrachloroethene
Concen: 53.474 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion:164 Resp: 39719

Ion	Ratio	Lower	Upper
164	100		
166	123.4	103.6	155.4
129	103.8	82.7	124.1
131	95.2	80.5	120.7



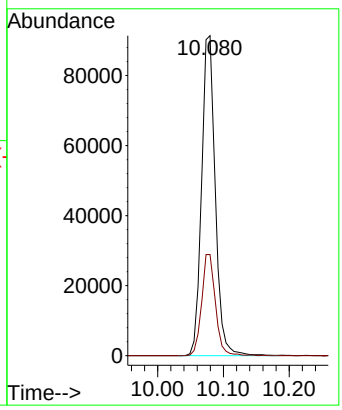


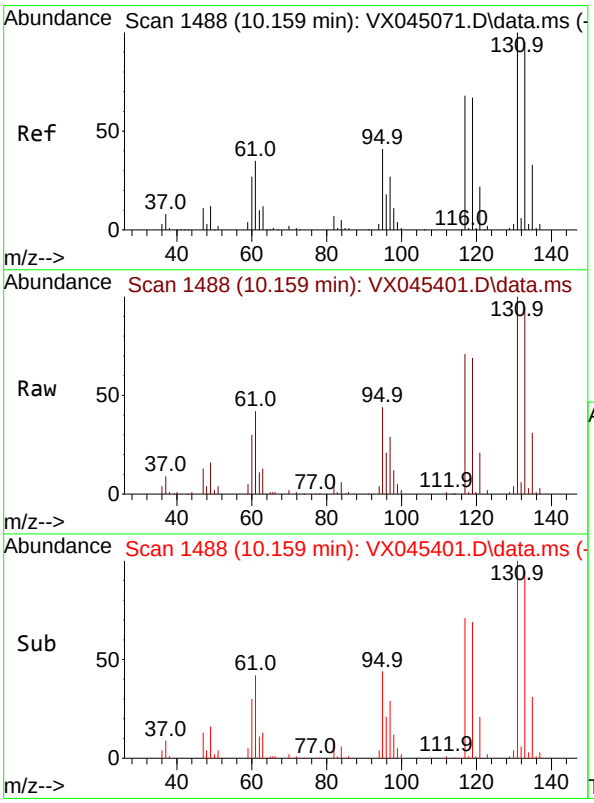
#65
Chlorobenzene
Concen: 53.968 ug/l
RT: 10.080 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:112 Resp: 132438

Ion	Ratio	Lower	Upper
112	100		
114	31.6	26.0	39.0

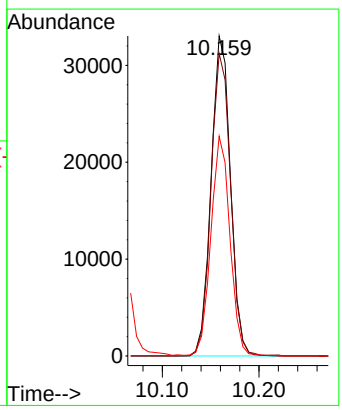


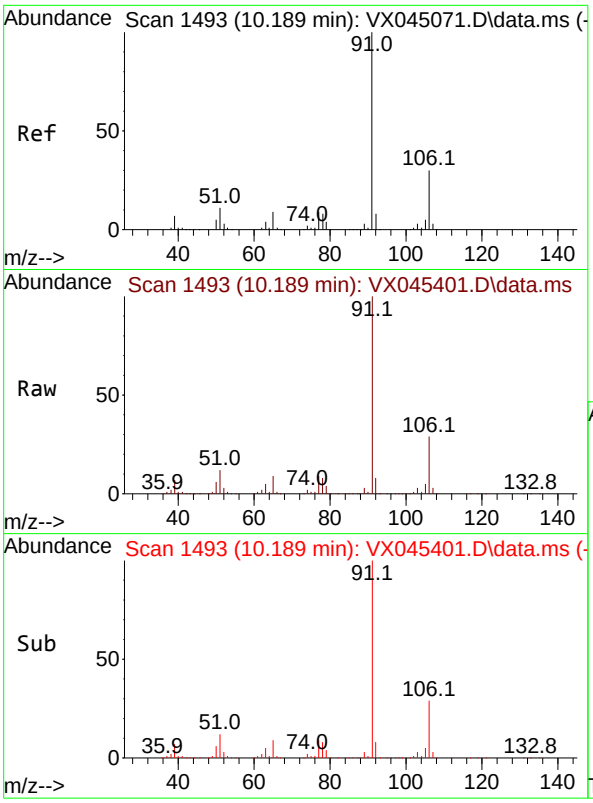


#66
1,1,1,2-Tetrachloroethane
Concen: 56.016 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion:131 Resp: 45778

Ion	Ratio	Lower	Upper
131	100		
133	95.8	48.6	145.9
119	67.9	33.9	101.7



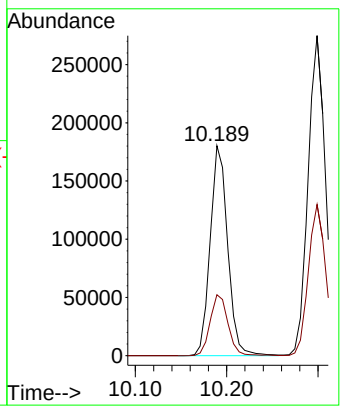


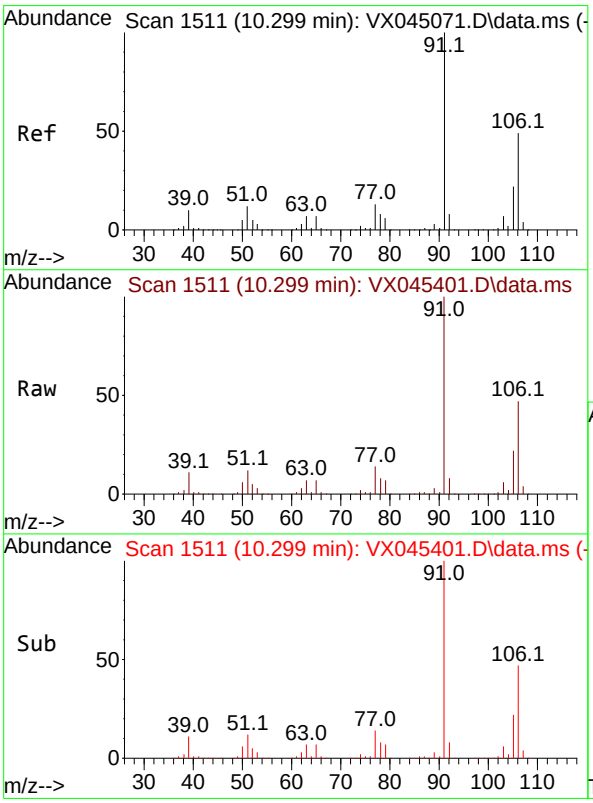
#67
Ethyl Benzene
Concen: 56.012 ug/l
RT: 10.189 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 239507

Ion	Ratio	Lower	Upper
91	100		
106	29.0	23.9	35.9

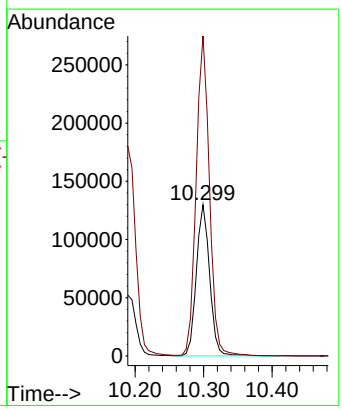


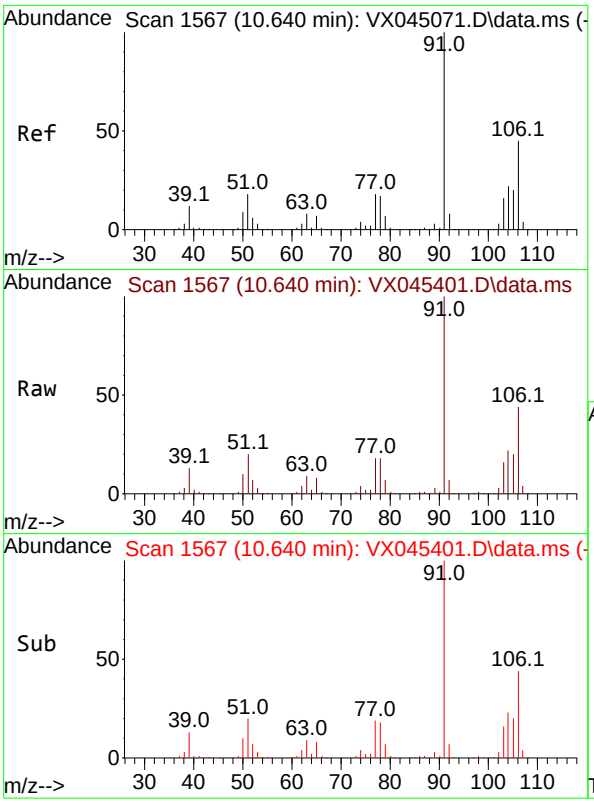


#68
m/p-Xylenes
Concen: 111.853 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion:106 Resp: 175085

Ion	Ratio	Lower	Upper
106	100		
91	212.3	165.4	248.0



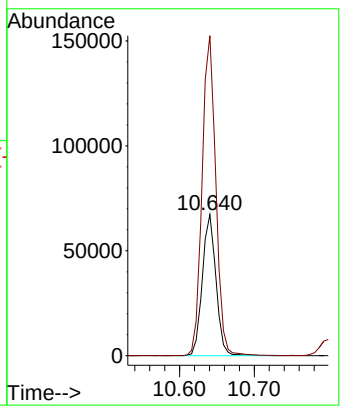


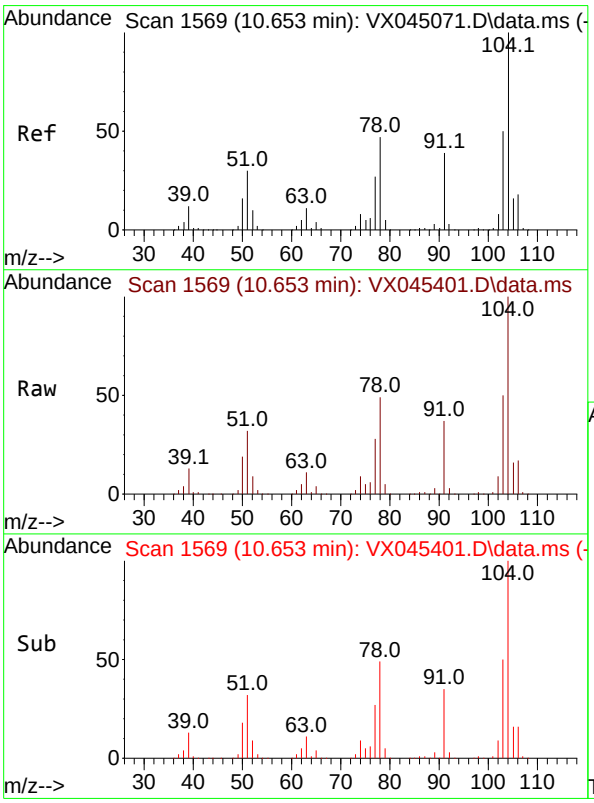
#69
o-Xylene
Concen: 54.016 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:106 Resp: 85276

Ion	Ratio	Lower	Upper
106	100		
91	228.7	109.9	329.6

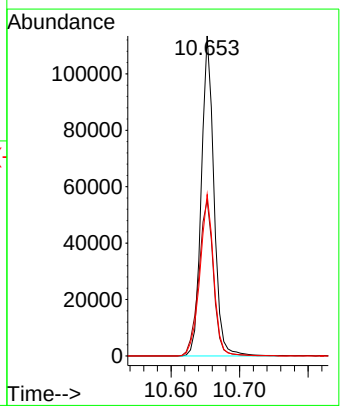


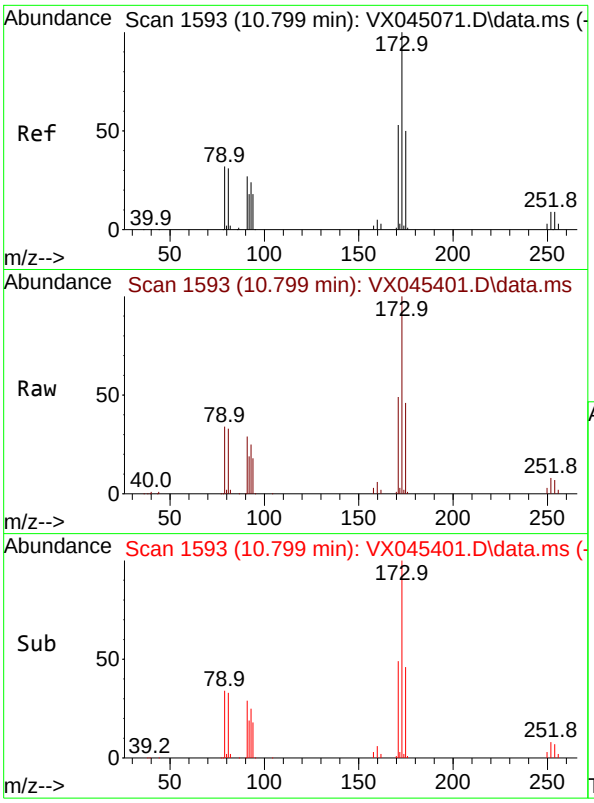


#70
Styrene
Concen: 57.041 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion:104 Resp: 145711

Ion	Ratio	Lower	Upper
104	100		
78	56.4	42.2	63.4
103	55.2	43.8	65.8



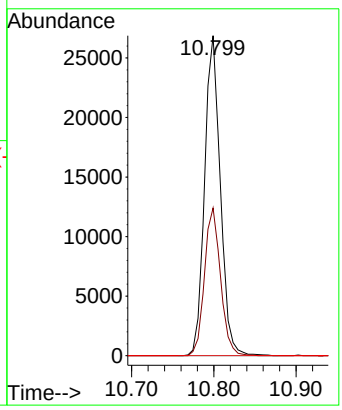


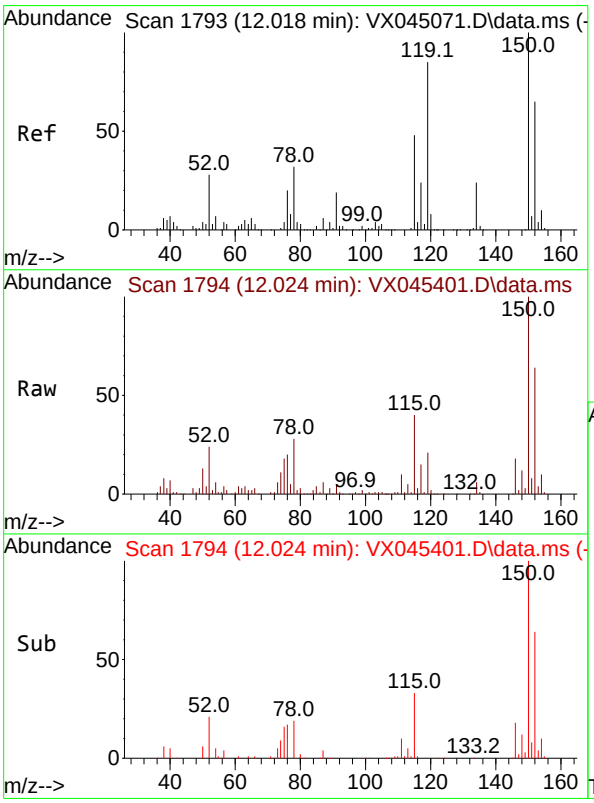
#71
Bromoform
Concen: 57.963 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:173 Resp: 35721

Ion	Ratio	Lower	Upper
173	100		
175	47.1	24.6	73.6
254	0.0	0.0	0.0

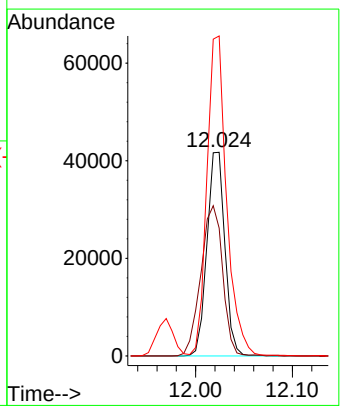


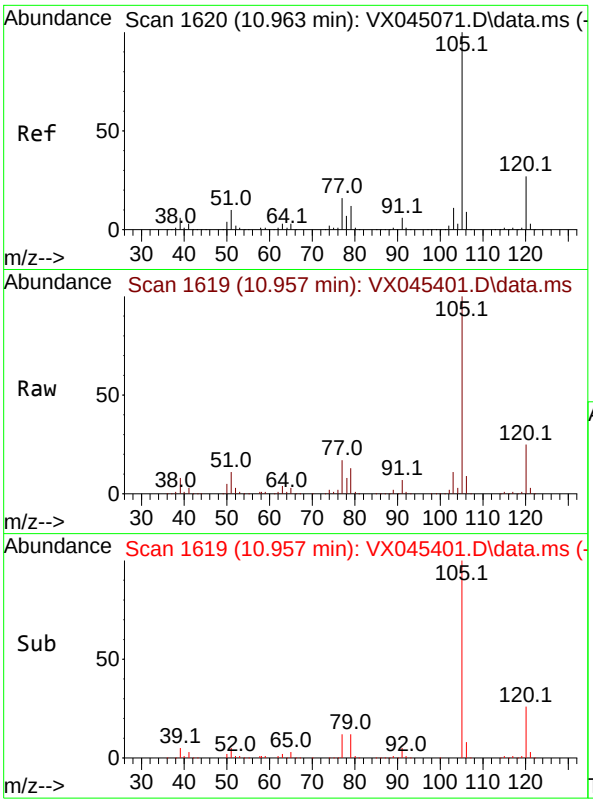


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion:152 Resp: 53641

Ion	Ratio	Lower	Upper
152	100		
115	90.2	44.2	132.6
150	173.0	0.0	349.0



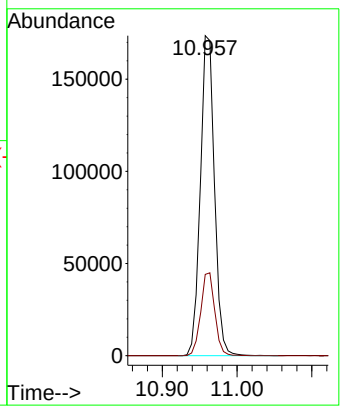


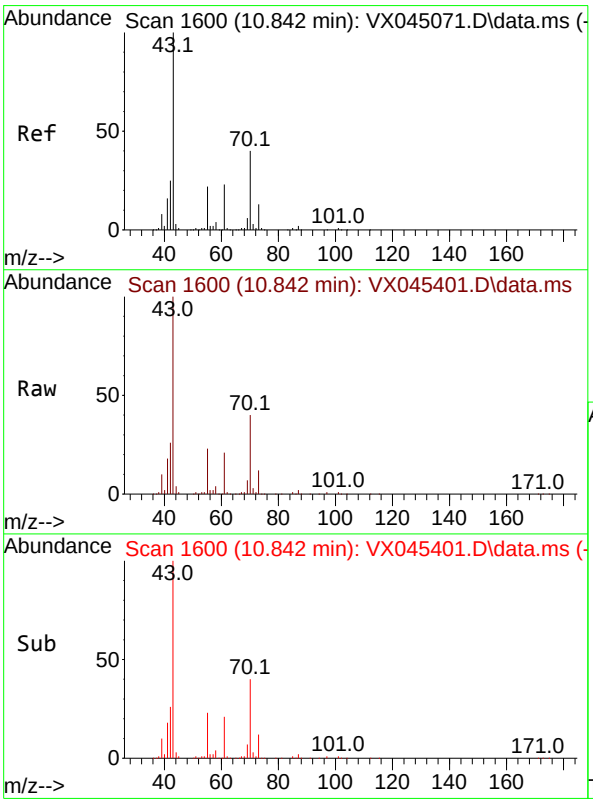
#73
Isopropylbenzene
Concen: 54.369 ug/l
RT: 10.957 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:105 Resp: 227633

Ion	Ratio	Lower	Upper
105	100		
120	25.8	13.2	39.5

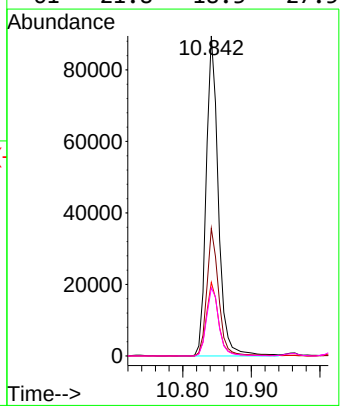


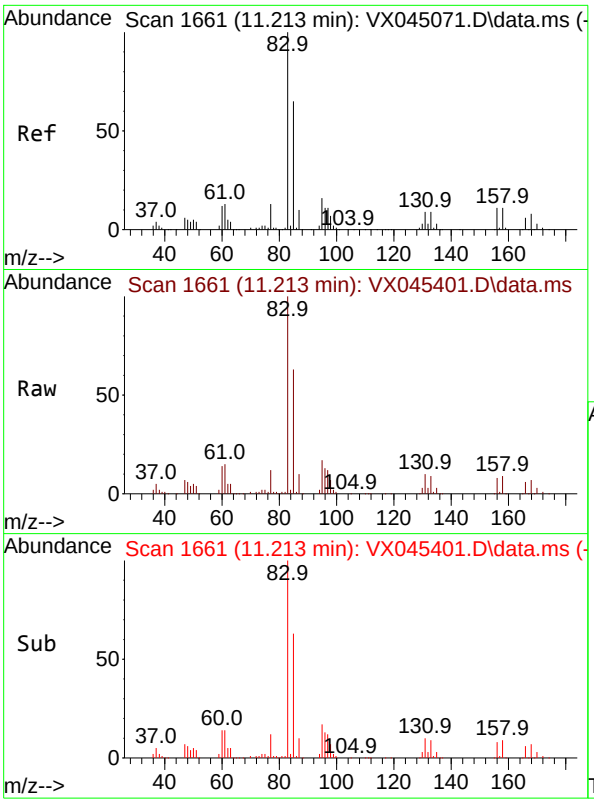


#74
N-amyl acetate
Concen: 56.217 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion: 43 Resp: 110444

Ion	Ratio	Lower	Upper
43	100		
70	38.6	31.8	47.6
55	23.2	18.3	27.5
61	21.8	18.3	27.5



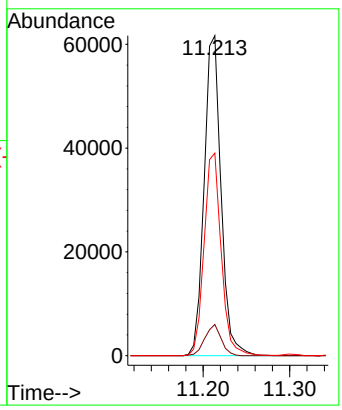


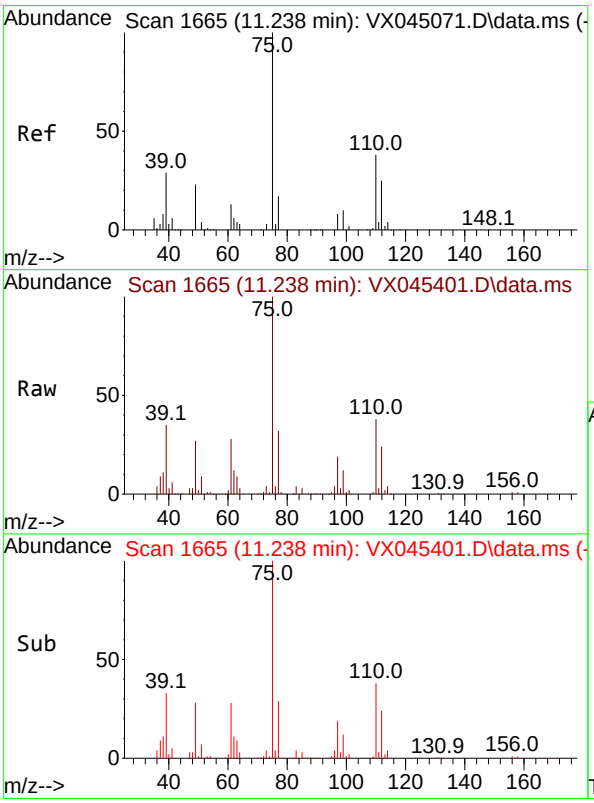
#75
1,1,2,2-Tetrachloroethane
Concen: 54.359 ug/l
RT: 11.213 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 83518

Ion	Ratio	Lower	Upper
83	100		
131	9.5	4.5	13.4
85	64.3	31.7	95.1

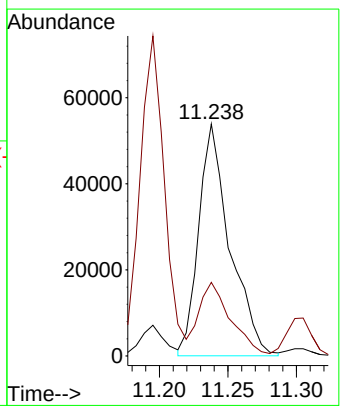


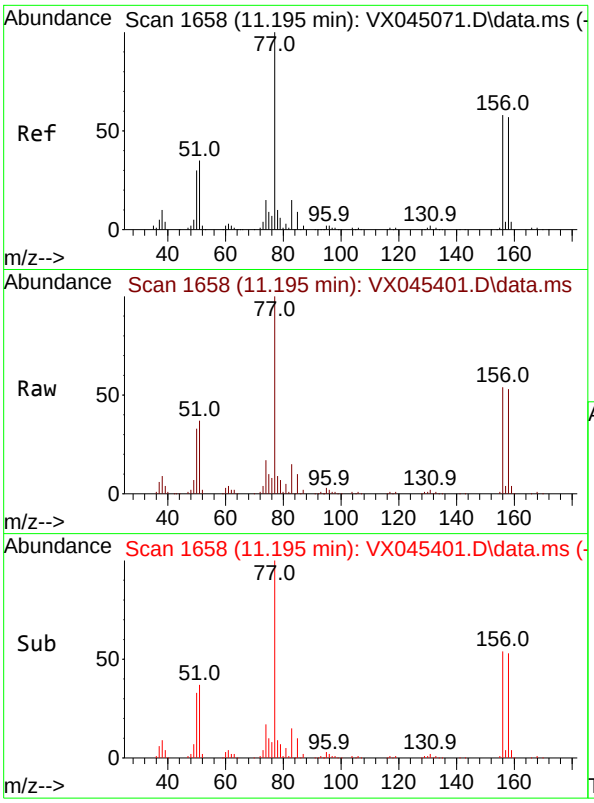


#76
1,2,3-Trichloropropane
Concen: 68.425 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion: 75 Resp: 85428

Ion	Ratio	Lower	Upper
75	100		
77	32.5	20.7	62.1



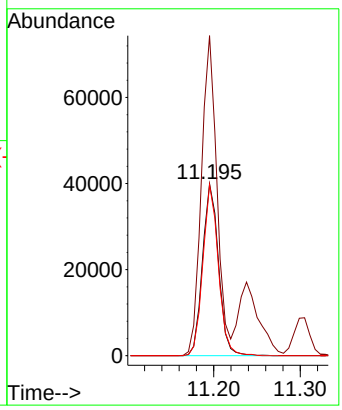


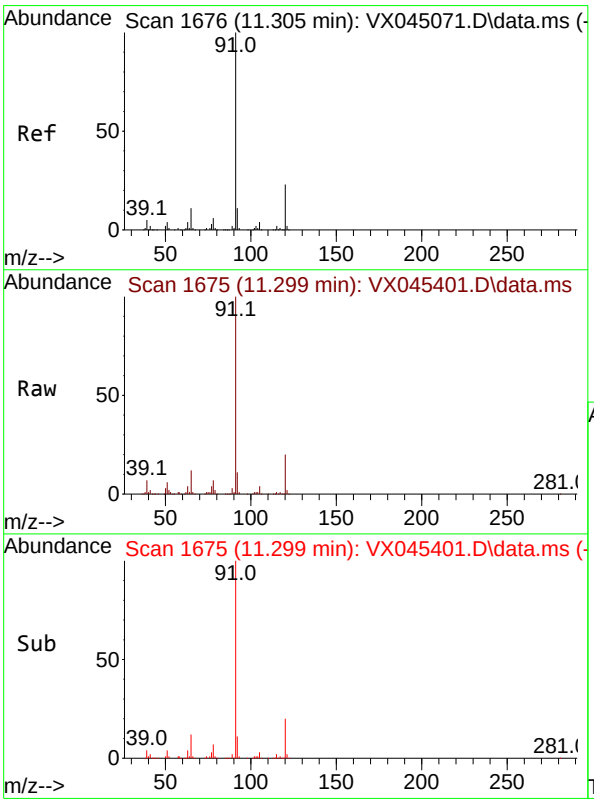
#77
Bromobenzene
Concen: 51.964 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:156 Resp: 51333

Ion	Ratio	Lower	Upper
156	100		
77	180.5	85.8	257.4
158	96.3	48.4	145.2

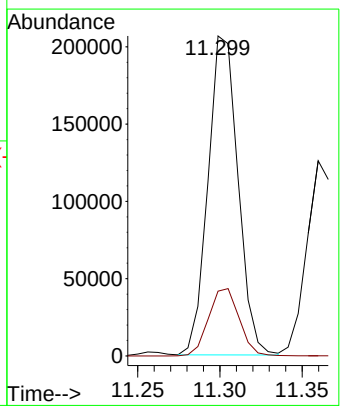


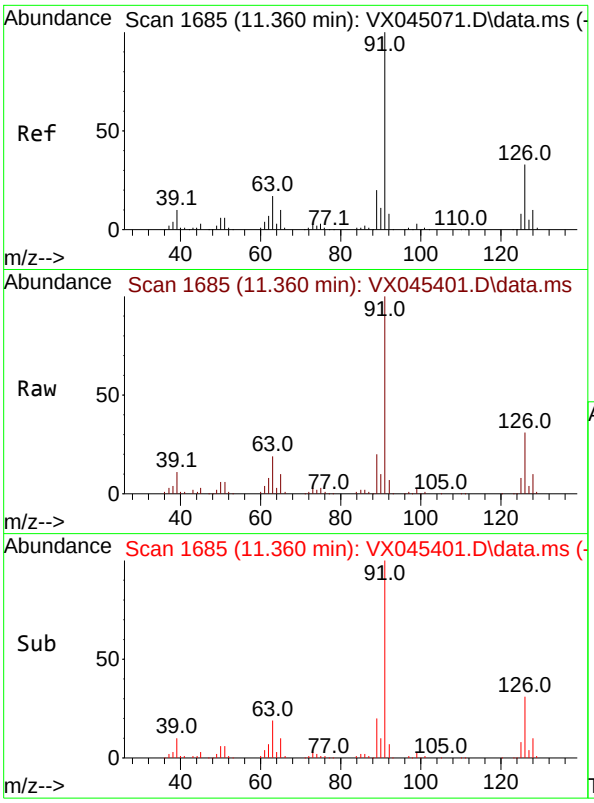


#78
n-propylbenzene
Concen: 55.477 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. -0.006 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion: 91 Resp: 262384

Ion	Ratio	Lower	Upper
91	100		
120	21.6	11.2	33.6



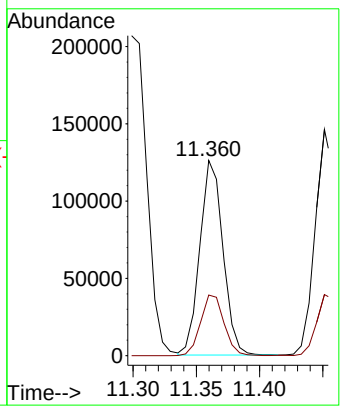


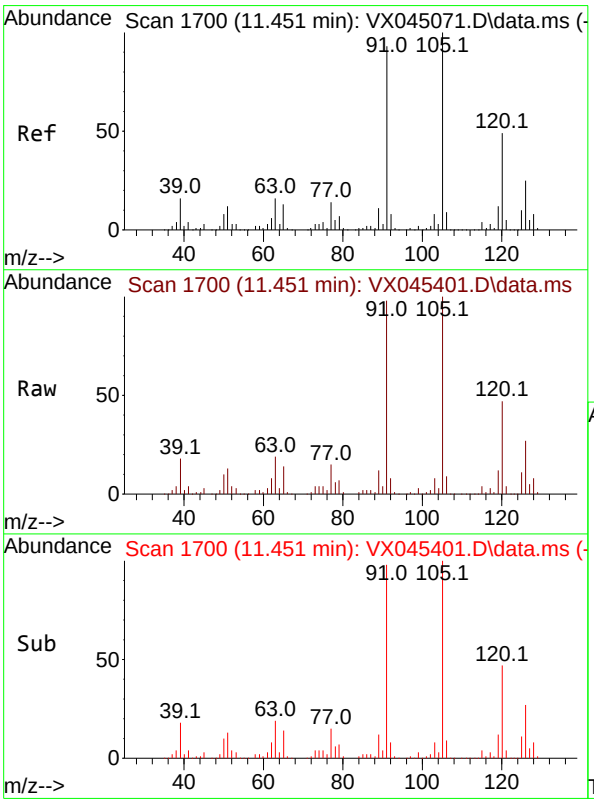
#79
2-Chlorotoluene
Concen: 53.282 ug/l
RT: 11.360 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 160491

Ion	Ratio	Lower	Upper
91	100		
126	31.7	16.4	49.4

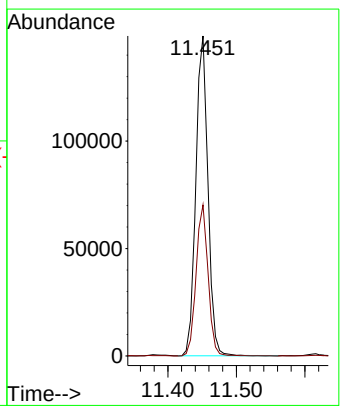


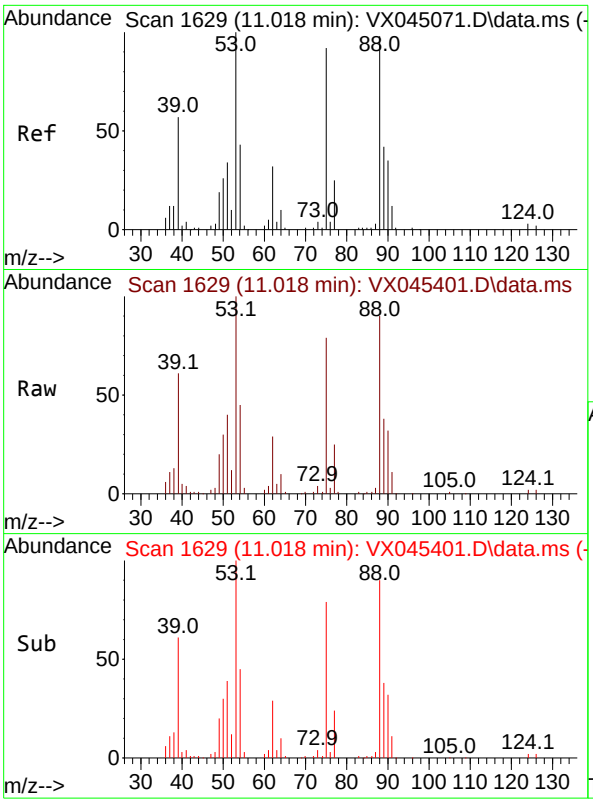


#80
1,3,5-Trimethylbenzene
Concen: 54.096 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion:105 Resp: 183136

Ion	Ratio	Lower	Upper
105	100		
120	47.0	24.1	72.2



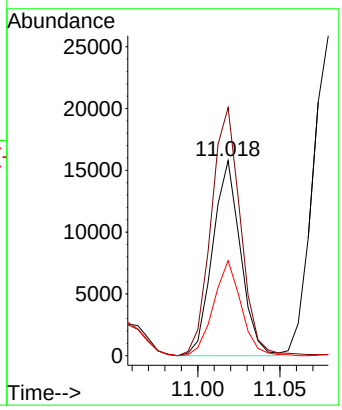


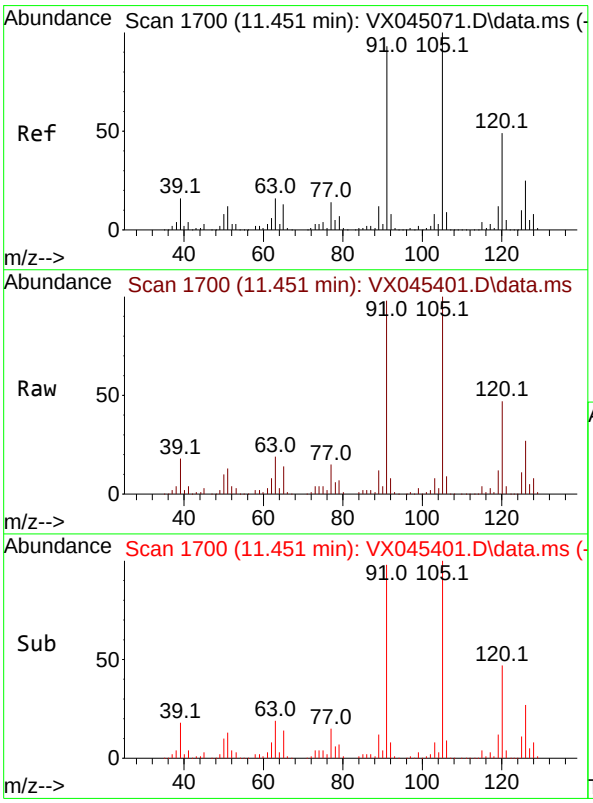
#81
trans-1,4-Dichloro-2-butene
Concen: 51.090 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 18639

Ion	Ratio	Lower	Upper
75	100		
53	134.3	88.5	132.7#
89	47.9	36.2	54.4

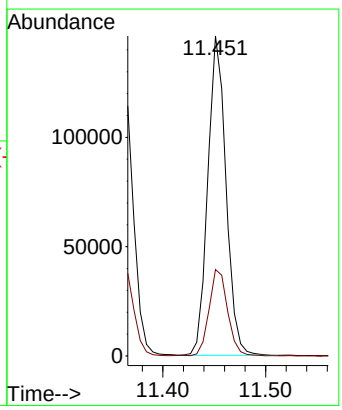


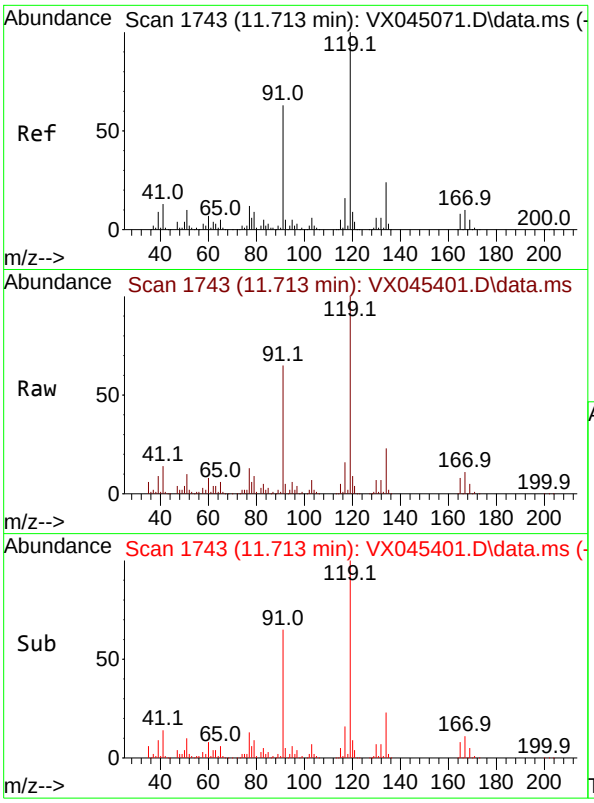


#82
4-Chlorotoluene
Concen: 54.654 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion: 91 Resp: 179417

Ion	Ratio	Lower	Upper
91	100		
126	27.8	14.1	42.4



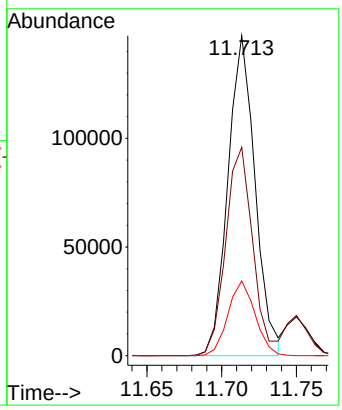


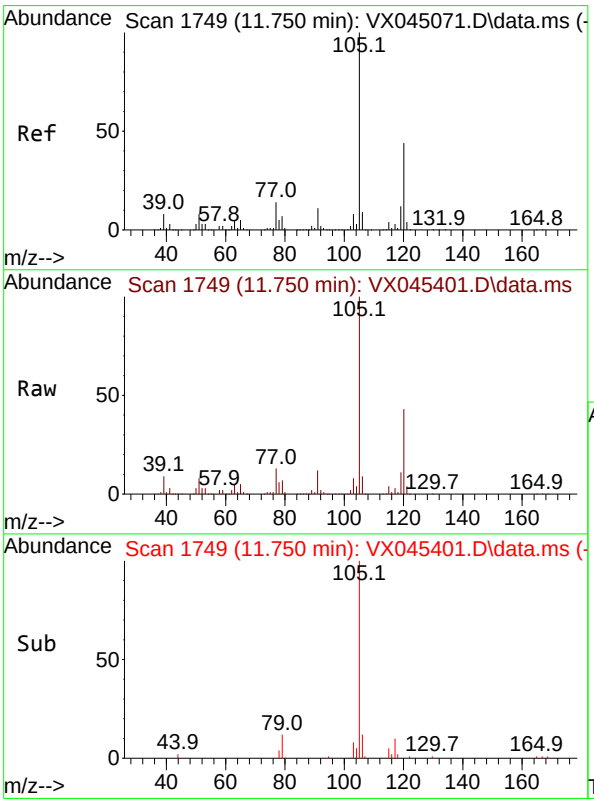
#83
tert-Butylbenzene
Concen: 53.572 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:119 Resp: 186344

Ion	Ratio	Lower	Upper
119	100		
91	65.3	30.7	92.1
134	23.3	11.7	35.0

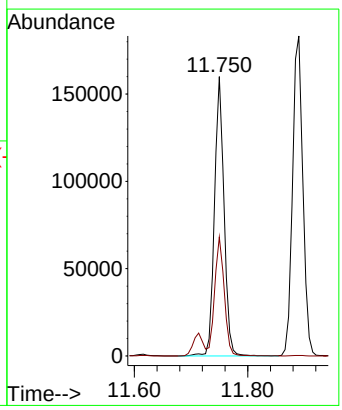


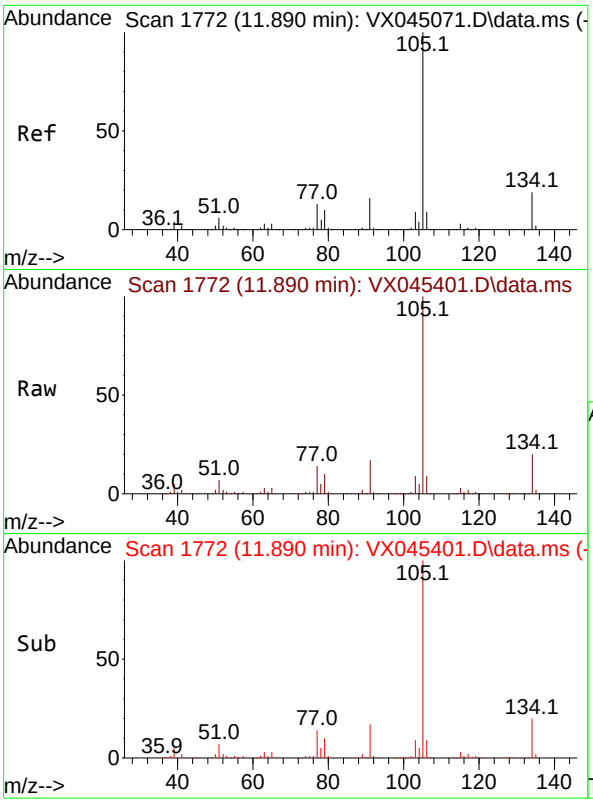


#84
1,2,4-Trimethylbenzene
Concen: 55.172 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion:105 Resp: 187934

Ion	Ratio	Lower	Upper
105	100		
120	43.0	22.1	66.1



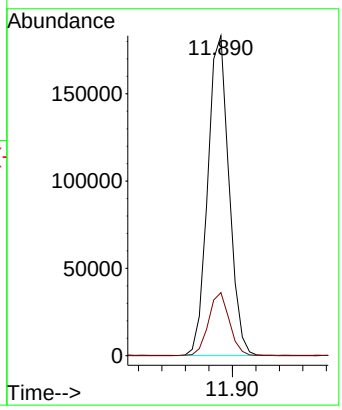


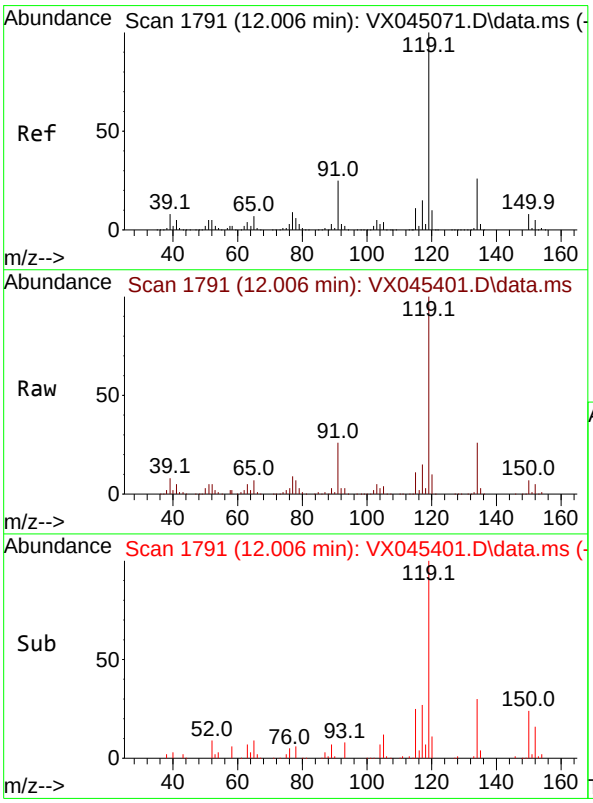
#85
sec-Butylbenzene
Concen: 55.276 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:105 Resp: 230317

Ion	Ratio	Lower	Upper
105	100		
134	19.5	9.8	29.4

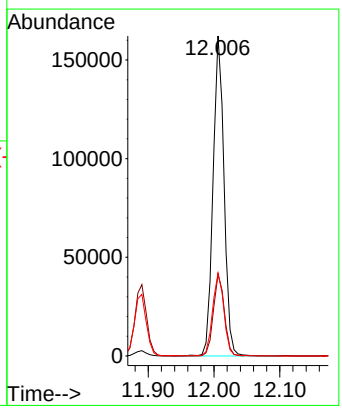


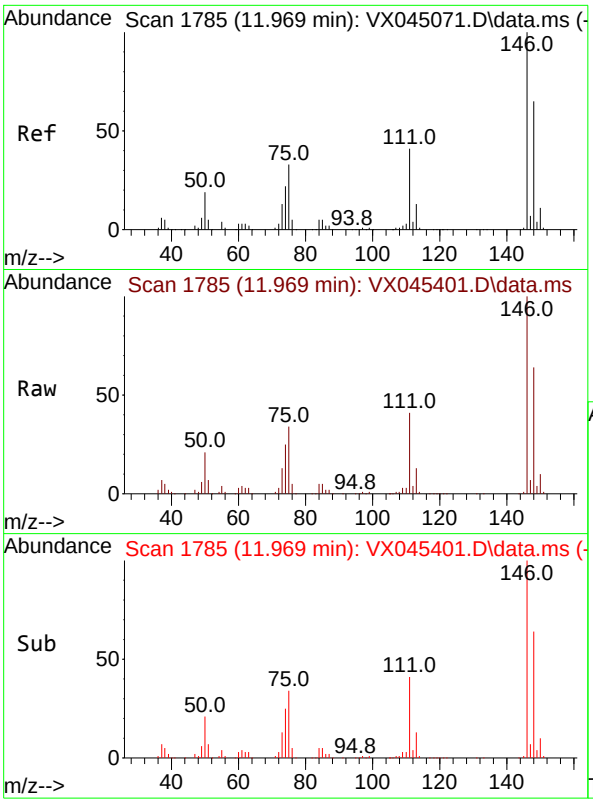


#86
p-Isopropyltoluene
Concen: 55.971 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion:119 Resp: 188467

Ion	Ratio	Lower	Upper
119	100		
134	25.4	12.9	38.6
91	26.5	12.7	38.0



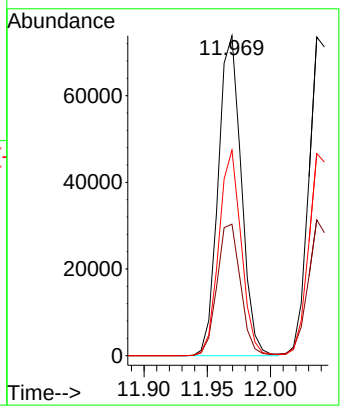


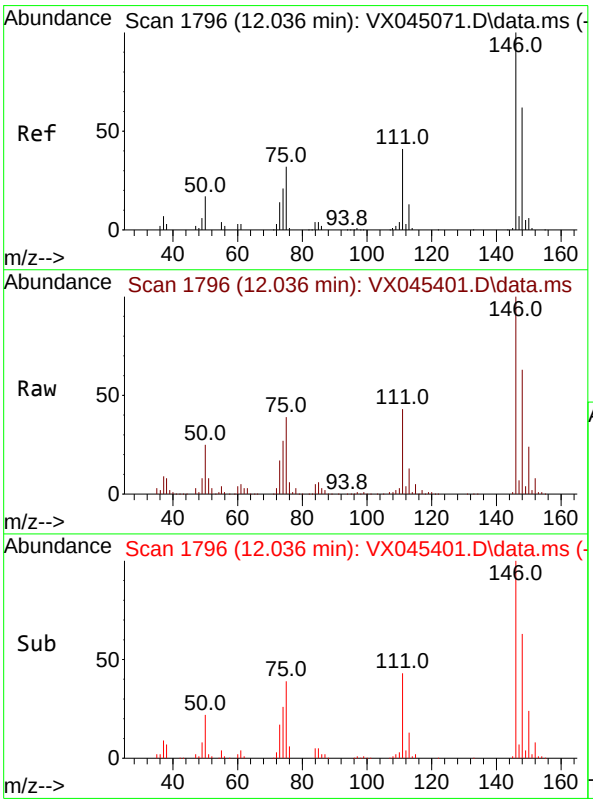
#87
1,3-Dichlorobenzene
Concen: 53.143 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:146 Resp: 93653

Ion	Ratio	Lower	Upper
146	100		
111	41.9	21.1	63.4
148	62.3	31.9	95.7

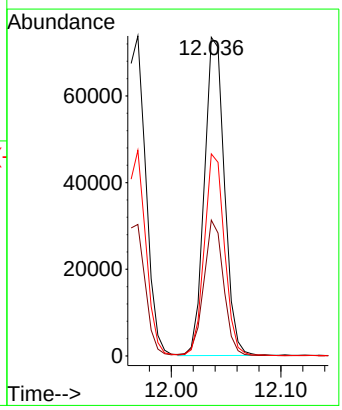


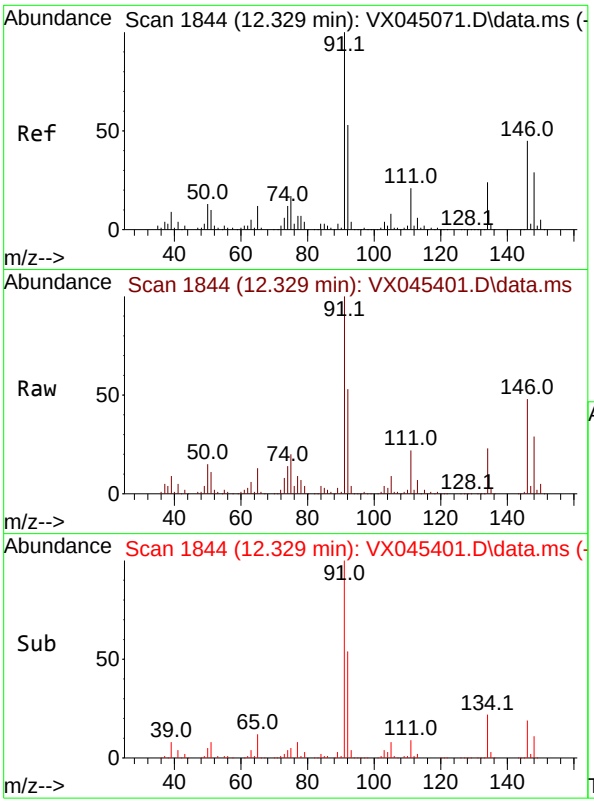


#88
1,4-Dichlorobenzene
Concen: 52.463 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion:146 Resp: 93536

Ion	Ratio	Lower	Upper
146	100		
111	42.0	20.2	60.5
148	64.0	31.9	95.9



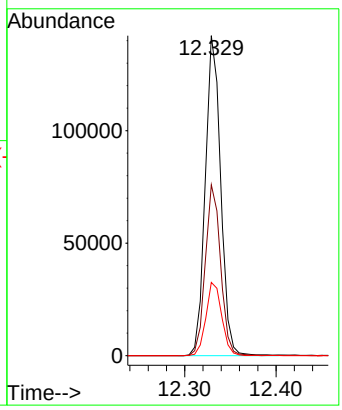


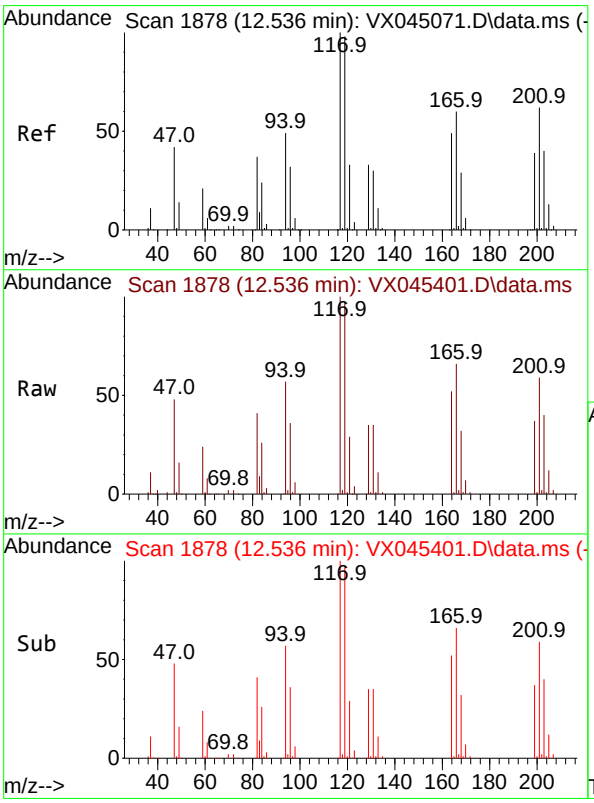
#89
n-Butylbenzene
Concen: 57.458 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 166636

Ion	Ratio	Lower	Upper
91	100		
92	53.1	26.7	80.0
134	23.5	12.2	36.6

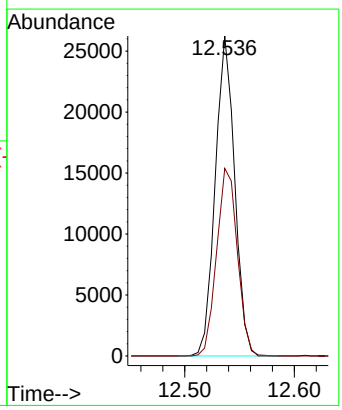


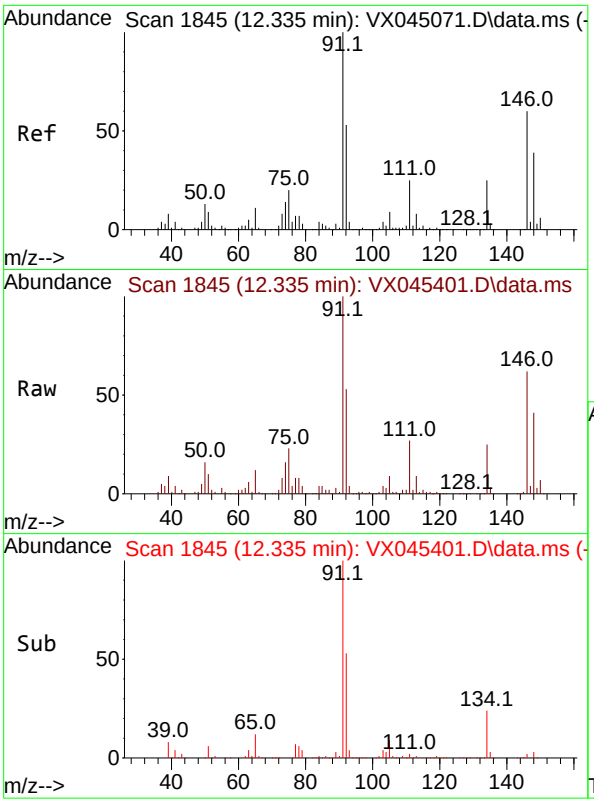


#90
Hexachloroethane
Concen: 53.118 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion:117 Resp: 32352

Ion	Ratio	Lower	Upper
117	100		
201	62.4	31.9	95.9



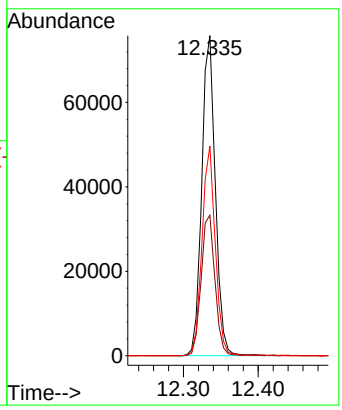


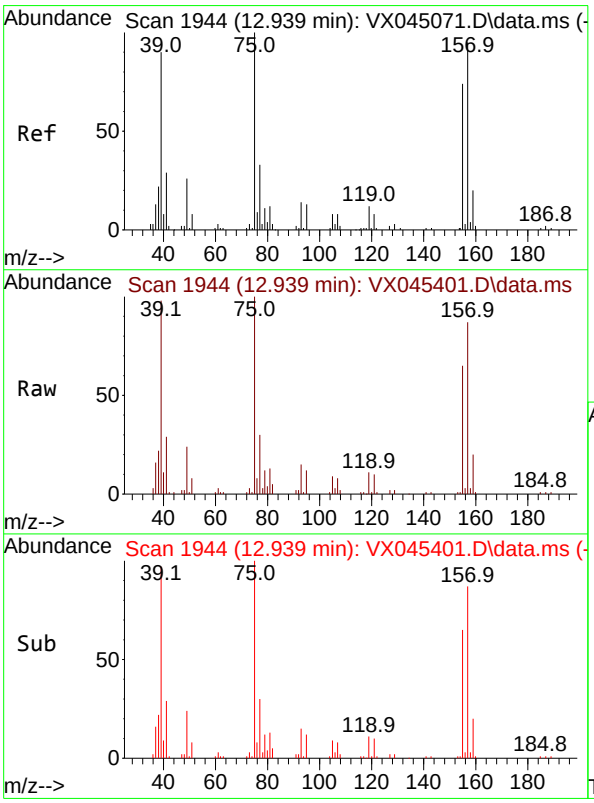
#91
1,2-Dichlorobenzene
Concen: 54.100 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:146 Resp: 95638

Ion	Ratio	Lower	Upper
146	100		
111	44.9	21.6	65.0
148	63.9	31.9	95.9

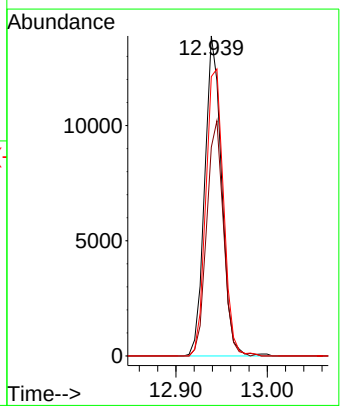


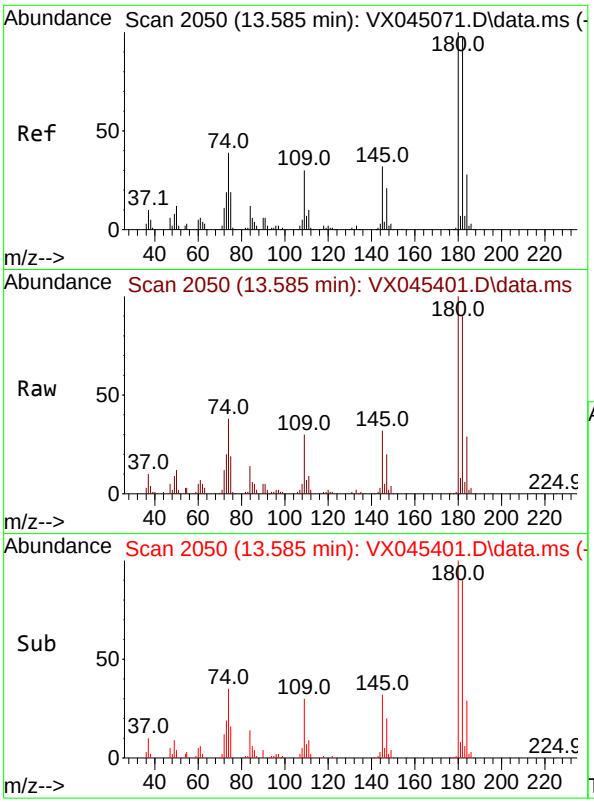


#92
1,2-Dibromo-3-Chloropropane
Concen: 59.571 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion: 75 Resp: 17831

Ion	Ratio	Lower	Upper
75	100		
155	72.9	39.6	118.7
157	93.6	51.1	153.4



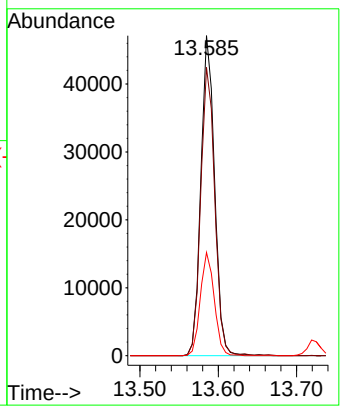


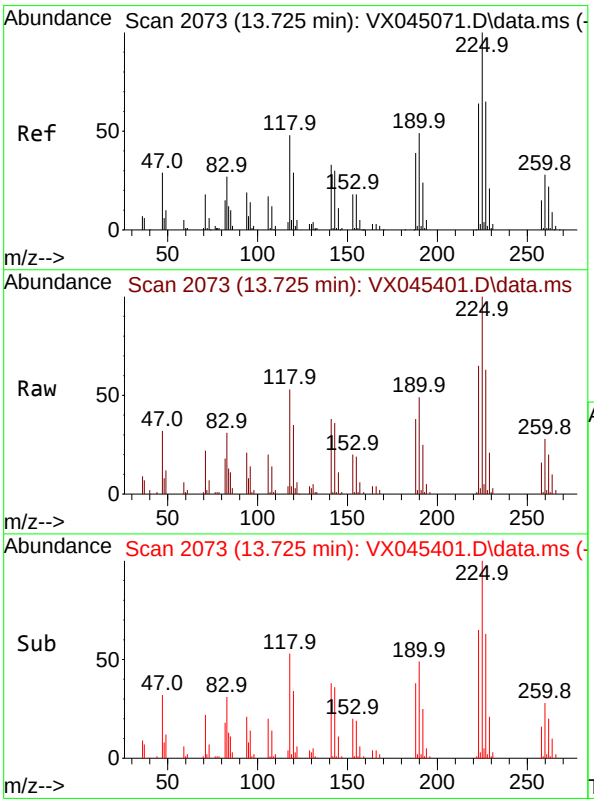
#93
1,2,4-Trichlorobenzene
Concen: 56.965 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:180 Resp: 57341

Ion	Ratio	Lower	Upper
180	100		
182	92.1	47.3	141.9
145	32.7	16.3	48.9

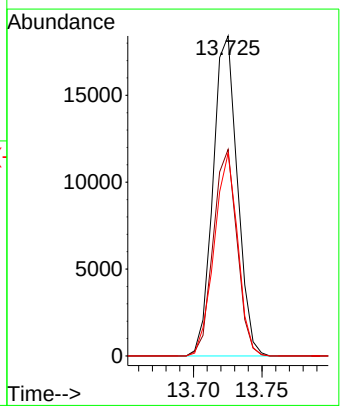


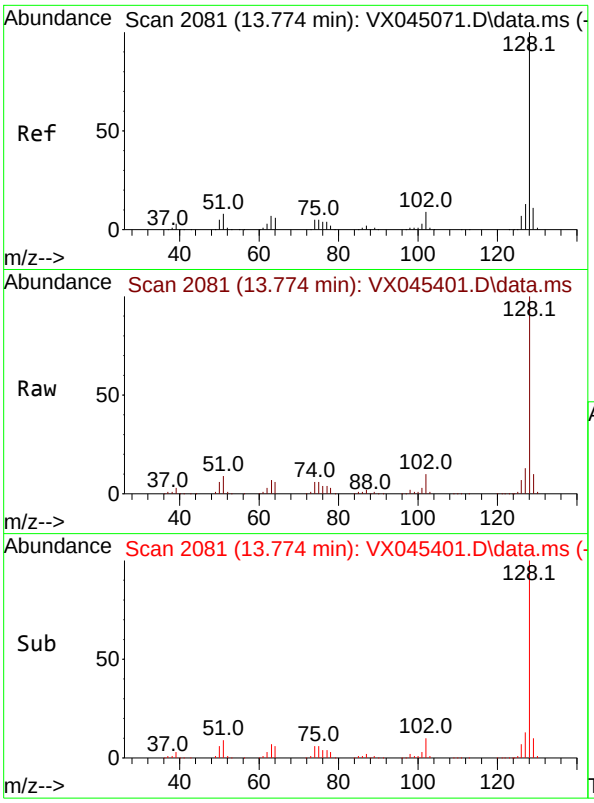


#94
Hexachlorobutadiene
Concen: 55.141 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion:225 Resp: 22756

Ion	Ratio	Lower	Upper
225	100		
223	62.9	31.9	95.7
227	61.1	31.4	94.0



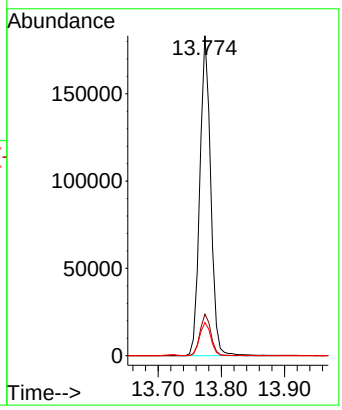


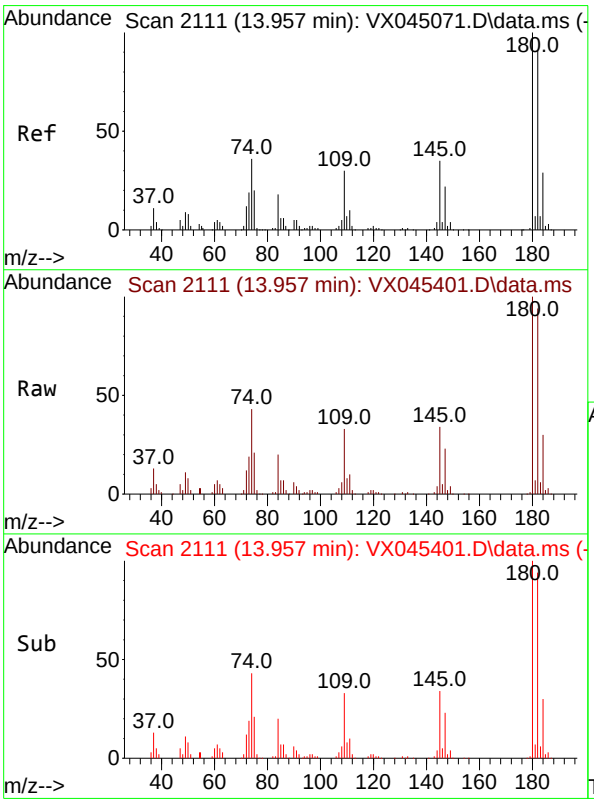
#95
Naphthalene
Concen: 56.787 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:128 Resp: 219620

Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.3	15.5
129	10.7	8.7	13.1

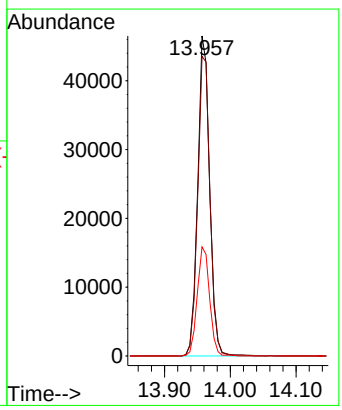




#96
1,2,3-Trichlorobenzene
Concen: 55.183 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion:180 Resp: 58600

Ion	Ratio	Lower	Upper
180	100		
182	96.4	47.5	142.6
145	35.3	17.0	50.9



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032425\
Data File : VX045403.D
Acq On : 24 Mar 2025 10:26
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 25 01:28:16 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	98391	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	170340	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	144708	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	64628	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	75306	48.117	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 96.240%			
35) Dibromofluoromethane	5.379	113	56135	49.284	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.560%			
50) Toluene-d8	8.647	98	187729	45.462	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 90.920%			
62) 4-Bromofluorobenzene	11.079	95	65383	47.783	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 95.560%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	62625	50.565	ug/l	96
3) Chloromethane	1.307	50	62418	41.182	ug/l	98
4) Vinyl Chloride	1.374	62	62972	41.882	ug/l	95
5) Bromomethane	1.593	94	28155	47.634	ug/l	99
6) Chloroethane	1.666	64	35892	51.753	ug/l	98
7) Trichlorofluoromethane	1.874	101	99188	49.832	ug/l	98
8) Diethyl Ether	2.130	74	35100	45.084	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.319	101	66712	58.338	ug/l	99
10) Methyl Iodide	2.441	142	74307	51.996	ug/l	94
11) Tert butyl alcohol	2.977	59	71702	241.872	ug/l	98
12) 1,1-Dichloroethene	2.306	96	60615	50.136	ug/l	92
13) Acrolein	2.233	56	111943	326.666	ug/l	100
14) Allyl chloride	2.654	41	116693	54.223	ug/l	95
15) Acrylonitrile	3.062	53	206556	259.979	ug/l	99
16) Acetone	2.386	43	187392	258.067	ug/l	99
17) Carbon Disulfide	2.502	76	129889	40.336	ug/l	98
18) Methyl Acetate	2.703	43	122057	69.873	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	218127	53.776	ug/l	98
20) Methylene Chloride	2.782	84	70296	48.871	ug/l	99
21) trans-1,2-Dichloroethene	3.087	96	59539	49.847	ug/l	96
22) Diisopropyl ether	3.757	45	234378	53.549	ug/l	92
23) Vinyl Acetate	3.715	43	964923	264.180	ug/l	99
24) 1,1-Dichloroethane	3.599	63	130048	53.017	ug/l	99
25) 2-Butanone	4.556	43	292735	267.823	ug/l	98
26) 2,2-Dichloropropane	4.465	77	94481	82.118	ug/l	95
27) cis-1,2-Dichloroethene	4.477	96	76700	52.019	ug/l	94
28) Bromochloromethane	4.891	49	53919	46.117	ug/l	99
29) Tetrahydrofuran	5.001	42	183356	249.799	ug/l	99
30) Chloroform	5.086	83	131250	53.851	ug/l	100
31) Cyclohexane	5.458	56	104318	48.992	ug/l	98
32) 1,1,1-Trichloroethane	5.379	97	109872	55.816	ug/l	99
36) 1,1-Dichloropropene	5.684	75	82702	52.945	ug/l	99
37) Ethyl Acetate	4.708	43	107097	53.208	ug/l	98
38) Carbon Tetrachloride	5.666	117	92357	58.238	ug/l	99
39) Methylcyclohexane	7.373	83	103251	55.164	ug/l	95
40) Benzene	6.031	78	258600	52.427	ug/l	97

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032425\
Data File : VX045403.D
Acq On : 24 Mar 2025 10:26
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 25 01:28:16 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)
41) Methacrylonitrile	4.916	41	63126	58.001	ug/l		99
42) 1,2-Dichloroethane	6.080	62	103184	58.092	ug/l		97
43) Isopropyl Acetate	6.336	43	169827	57.059	ug/l		98
44) Trichloroethene	7.123	130	60771	52.469	ug/l		99
45) 1,2-Dichloropropane	7.421	63	67603	53.305	ug/l		98
46) Dibromomethane	7.580	93	50529	56.369	ug/l		97
47) Bromodichloromethane	7.818	83	101926	57.970	ug/l		99
48) Methyl methacrylate	7.690	41	84700	56.723	ug/l		95
49) 1,4-Dioxane	7.659	88	29575	938.957	ug/l		94
51) 4-Methyl-2-Pentanone	8.574	43	554783	277.605	ug/l		99
52) Toluene	8.714	92	153991	53.210	ug/l		99
53) t-1,3-Dichloropropene	8.976	75	89057	60.587	ug/l		100
54) cis-1,3-Dichloropropene	8.360	75	102470	59.782	ug/l		93
55) 1,1,2-Trichloroethane	9.147	97	64187	53.875	ug/l		97
56) Ethyl methacrylate	9.116	69	101110	55.830	ug/l		94
57) 1,3-Dichloropropane	9.305	76	109349	53.035	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.238	63	252770	286.123	ug/l		99
59) 2-Hexanone	9.427	43	400903	276.873	ug/l		99
60) Dibromochloromethane	9.519	129	72850	58.480	ug/l		99
61) 1,2-Dibromoethane	9.604	107	64133	53.921	ug/l		99
64) Tetrachloroethene	9.269	164	52101	56.216	ug/l		98
65) Chlorobenzene	10.079	112	165385	54.012	ug/l		100
66) 1,1,1,2-Tetrachloroethane	10.159	131	59131	57.988	ug/l		96
67) Ethyl Benzene	10.189	91	299330	56.103	ug/l		99
68) m/p-Xylenes	10.299	106	213687	109.407	ug/l		96
69) o-Xylene	10.640	106	106263	53.945	ug/l		97
70) Styrene	10.653	104	176650	55.422	ug/l		97
71) Bromoform	10.799	173	45434	59.086	ug/l	#	98
73) Isopropylbenzene	10.957	105	283497	56.200	ug/l		99
74) N-amyl acetate	10.842	43	132802	56.106	ug/l		98
75) 1,1,2,2-Tetrachloroethane	11.207	83	96450	52.104	ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	104448	69.437	ug/l		85
77) Bromobenzene	11.195	156	62802	52.766	ug/l		96
78) n-propylbenzene	11.299	91	330384	57.979	ug/l		99
79) 2-Chlorotoluene	11.360	91	194929	53.714	ug/l		100
80) 1,3,5-Trimethylbenzene	11.451	105	229097	56.168	ug/l		98
81) trans-1,4-Dichloro-2-b...	11.018	75	27106	61.668	ug/l		94
82) 4-Chlorotoluene	11.451	91	221752	56.066	ug/l		99
83) tert-Butylbenzene	11.713	119	233086	55.618	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	231302	56.359	ug/l		97
85) sec-Butylbenzene	11.890	105	292270	58.220	ug/l		100
86) p-Isopropyltoluene	12.006	119	238364	58.755	ug/l		98
87) 1,3-Dichlorobenzene	11.969	146	114188	53.780	ug/l		99
88) 1,4-Dichlorobenzene	12.036	146	112591	52.415	ug/l		99
89) n-Butylbenzene	12.329	91	214146	61.287	ug/l		99
90) Hexachloroethane	12.536	117	42701	58.191	ug/l		97
91) 1,2-Dichlorobenzene	12.335	146	113894	53.474	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	21135	58.606	ug/l		91
93) 1,2,4-Trichlorobenzene	13.585	180	69323	57.160	ug/l		99
94) Hexachlorobutadiene	13.725	225	29635	59.602	ug/l		98
95) Naphthalene	13.774	128	254316	54.579	ug/l		100
96) 1,2,3-Trichlorobenzene	13.963	180	71277	55.710	ug/l		98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032425\
Data File : VX045403.D
Acq On : 24 Mar 2025 10:26
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 25 01:28:16 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

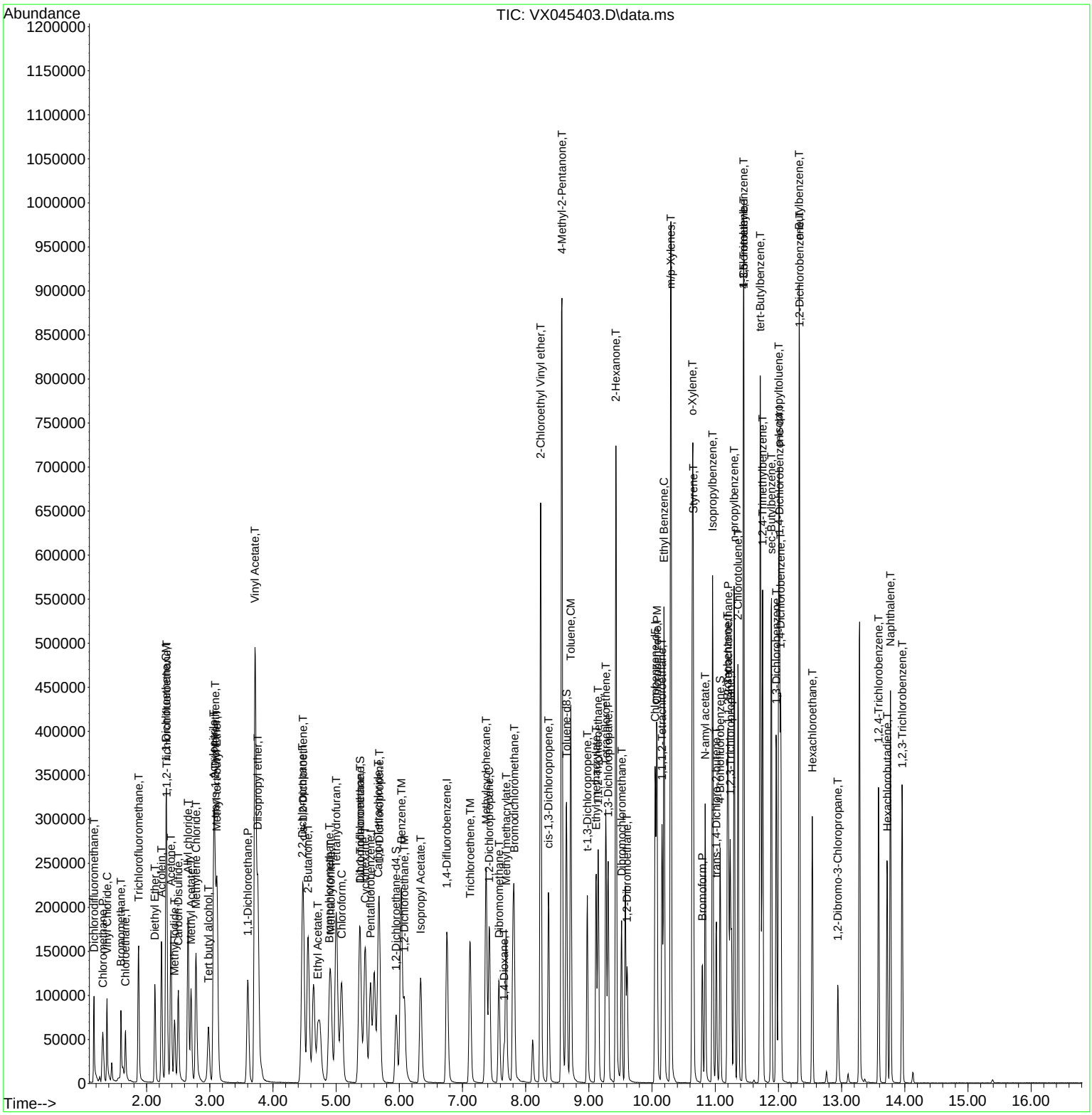
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

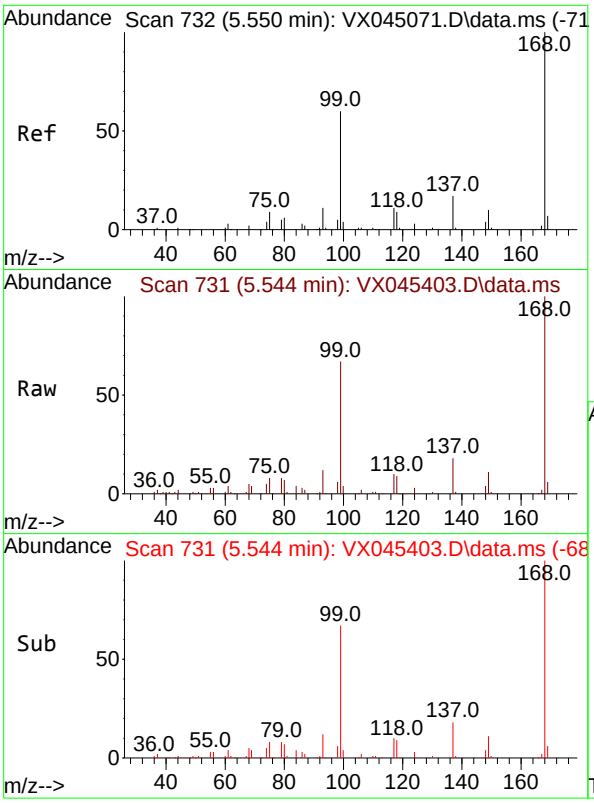
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032425\
Data File : VX045403.D
Acq On : 24 Mar 2025 10:26
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 25 01:28:16 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



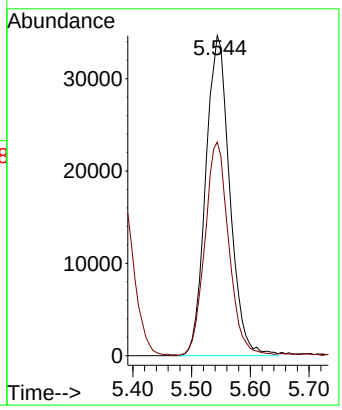


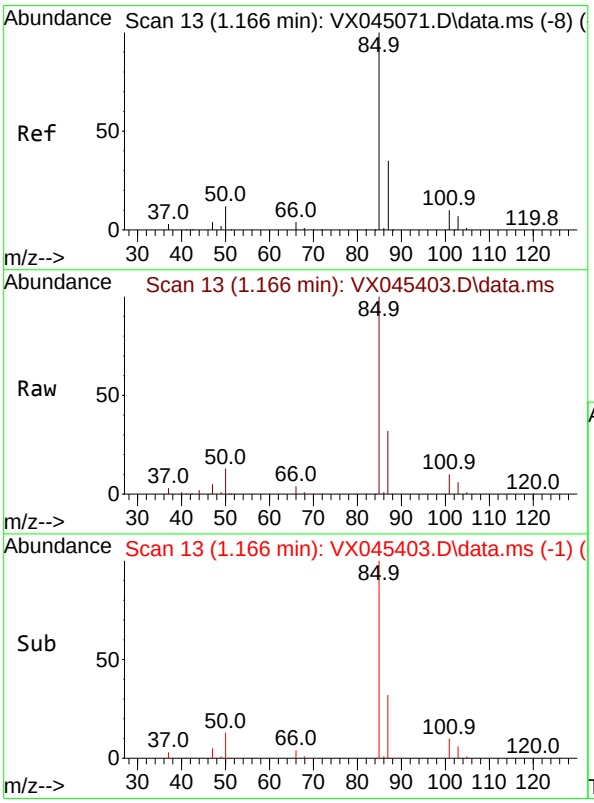
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045403.D
Acq: 24 Mar 2025 10:26

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:168 Resp: 98391

Ion	Ratio	Lower	Upper
168	100		
99	66.6	48.2	72.4

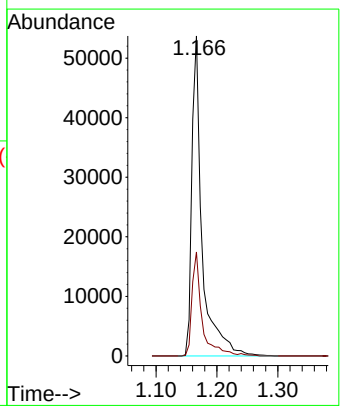


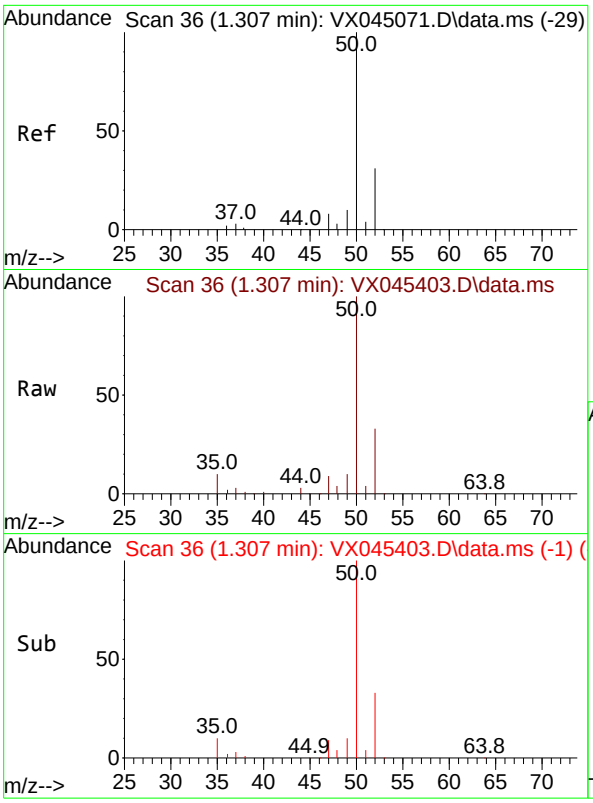


#2
Dichlorodifluoromethane
Concen: 50.565 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX045403.D
Acq: 24 Mar 2025 10:26

Tgt Ion: 85 Resp: 62625

Ion	Ratio	Lower	Upper
85	100		
87	32.5	17.4	52.3



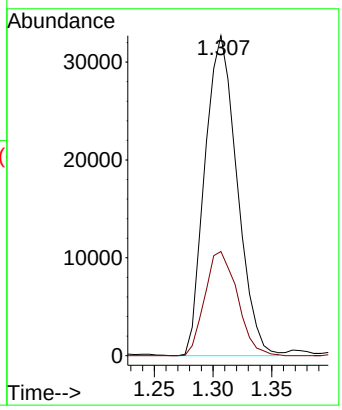


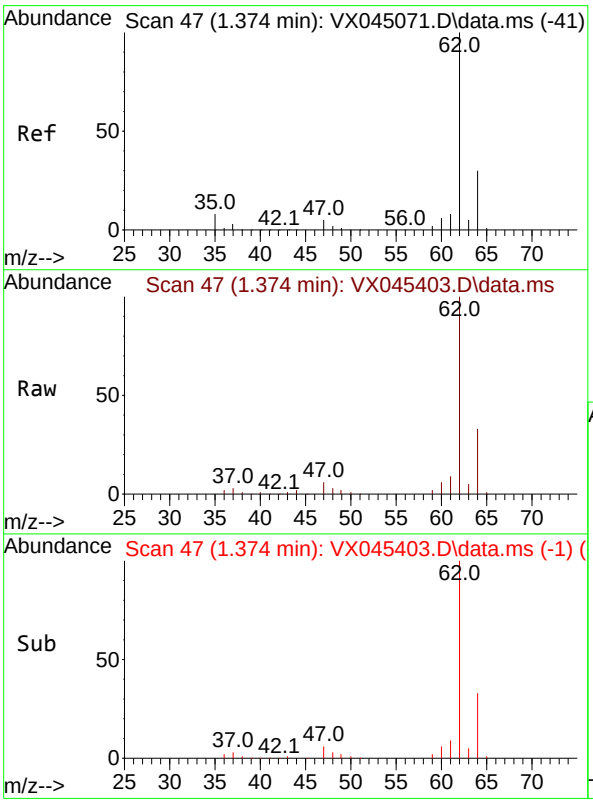
#3
Chloromethane
Concen: 41.182 ug/l
RT: 1.307 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045403.D
Acq: 24 Mar 2025 10:26

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 50 Resp: 62418

Ion	Ratio	Lower	Upper
50	100		
52	32.6	25.0	37.4

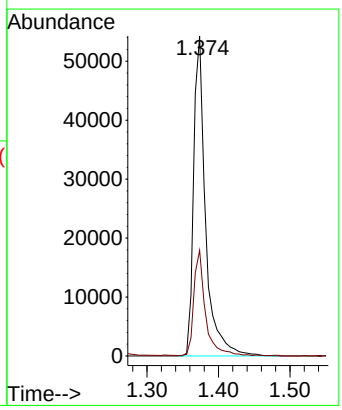


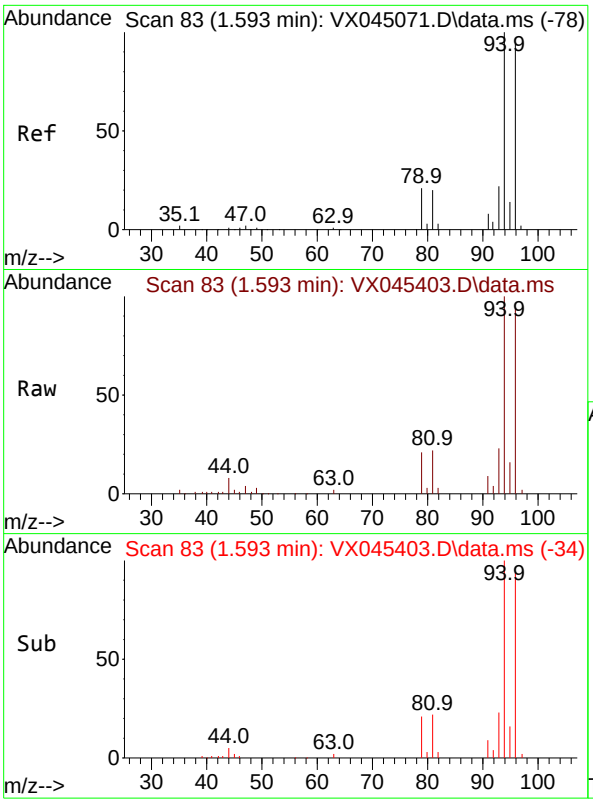


#4
Vinyl Chloride
Concen: 41.882 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX045403.D
Acq: 24 Mar 2025 10:26

Tgt Ion: 62 Resp: 62972

Ion	Ratio	Lower	Upper
62	100		
64	32.9	24.3	36.5



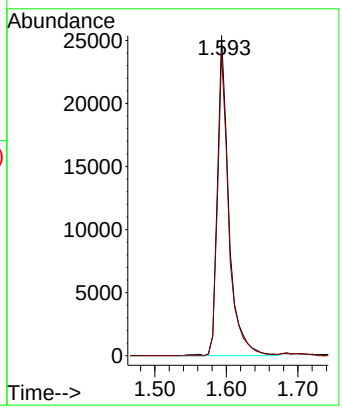


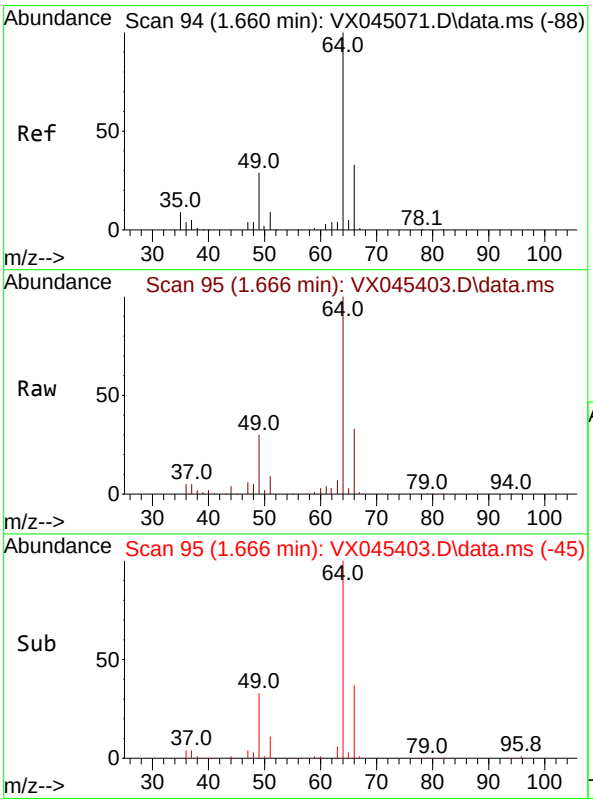
#5
Bromomethane
Concen: 47.634 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045403.D
Acq: 24 Mar 2025 10:26

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 94 Resp: 28155

Ion	Ratio	Lower	Upper
94	100		
96	94.5	75.0	112.4

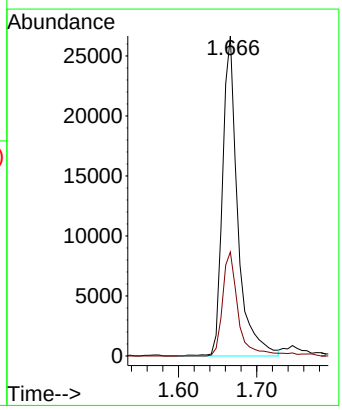


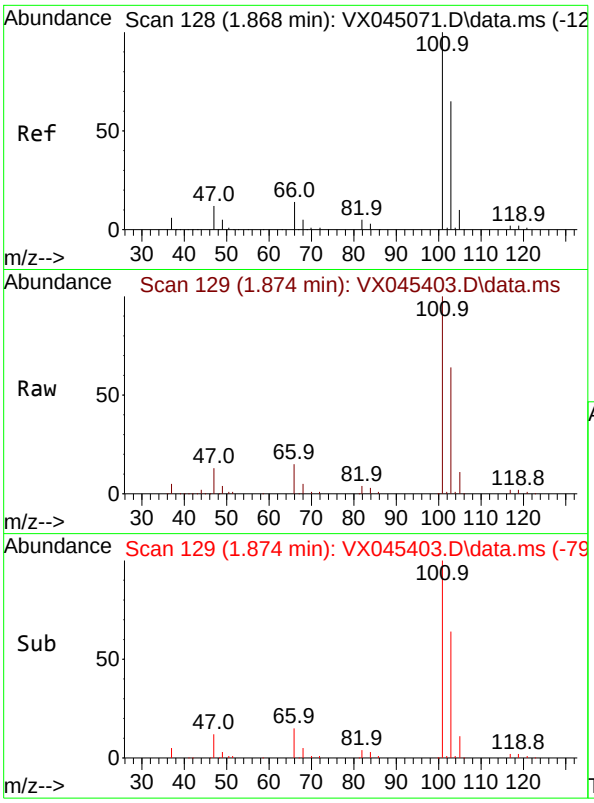


#6
Chloroethane
Concen: 51.753 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.006 min
Lab File: VX045403.D
Acq: 24 Mar 2025 10:26

Tgt Ion: 64 Resp: 35892

Ion	Ratio	Lower	Upper
64	100		
66	32.5	26.7	40.1



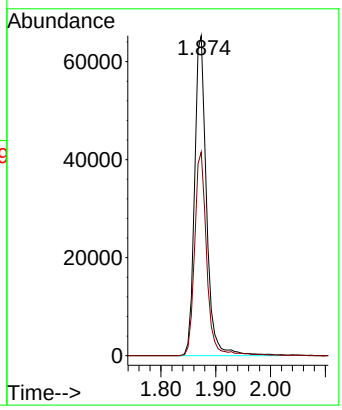


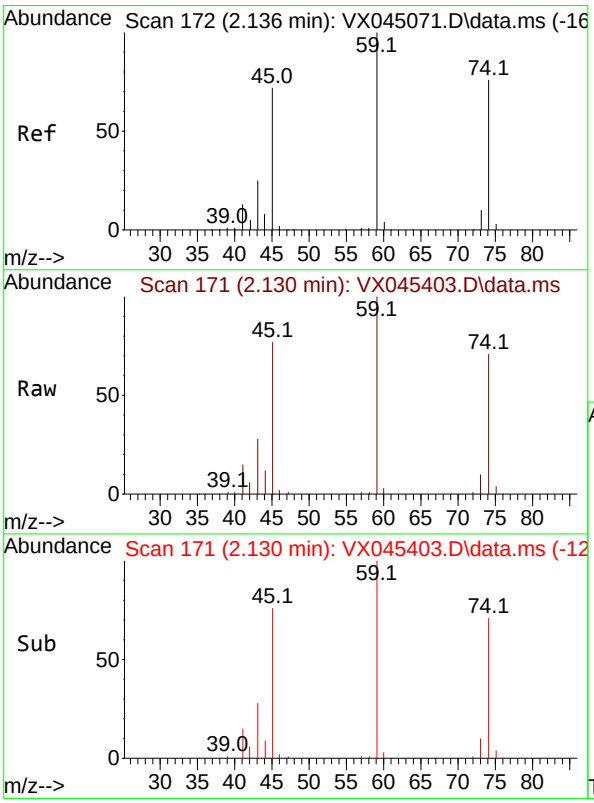
#7
Trichlorofluoromethane
Concen: 49.832 ug/l
RT: 1.874 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045403.D
Acq: 24 Mar 2025 10:26

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 99188

Ion	Ratio	Lower	Upper
101	100		
103	63.7	52.1	78.1

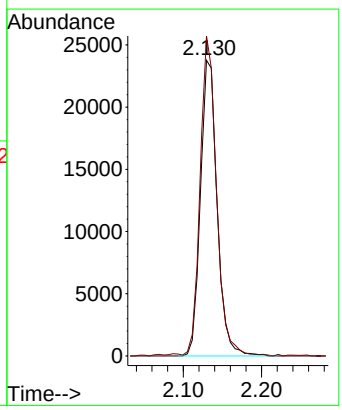


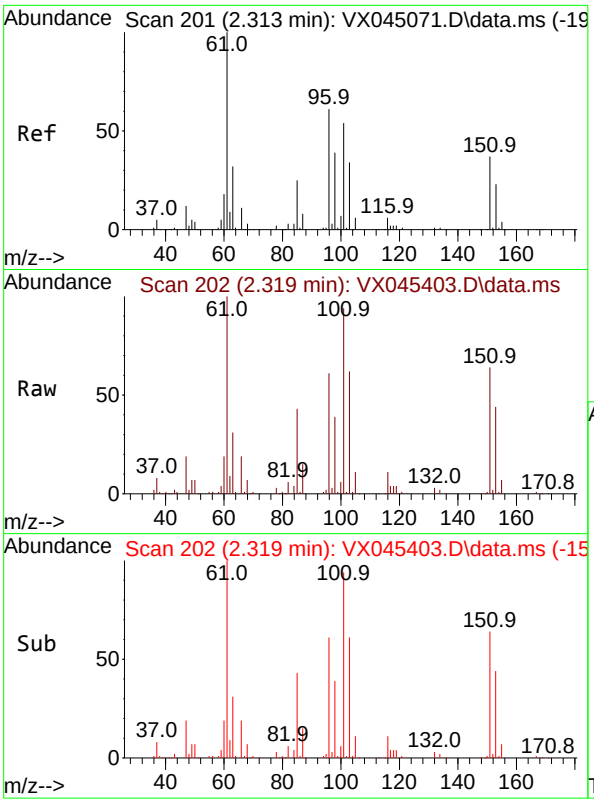


#8
Diethyl Ether
Concen: 45.084 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX045403.D
Acq: 24 Mar 2025 10:26

Tgt Ion: 74 Resp: 35100

Ion	Ratio	Lower	Upper
74	100		
45	106.8	51.5	154.5



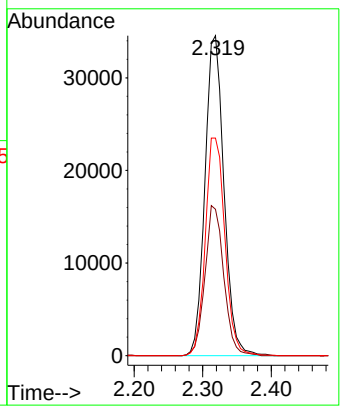


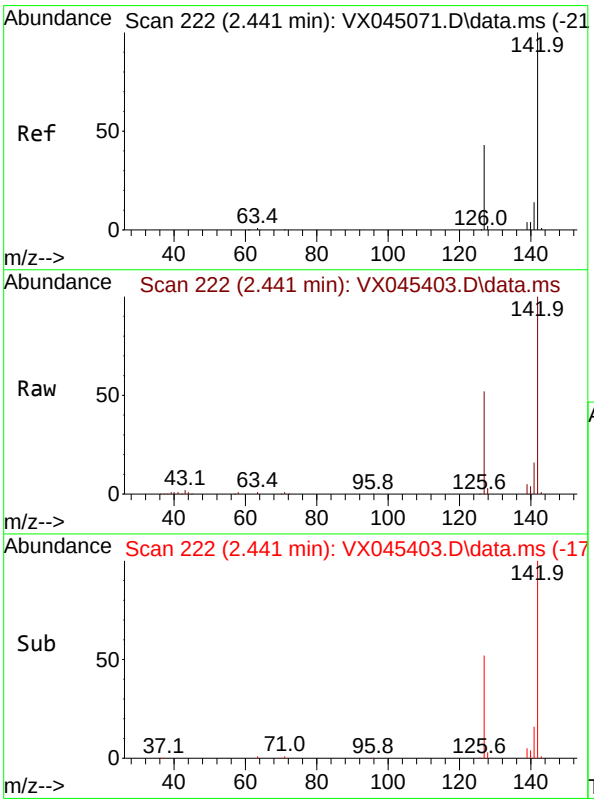
#9
1,1,2-Trichlorotrifluoroethane
Concen: 58.338 ug/l
RT: 2.319 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX045403.D
Acq: 24 Mar 2025 10:26

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 66712

Ion	Ratio	Lower	Upper
101	100		
85	46.5	36.2	54.4
151	70.1	56.4	84.6

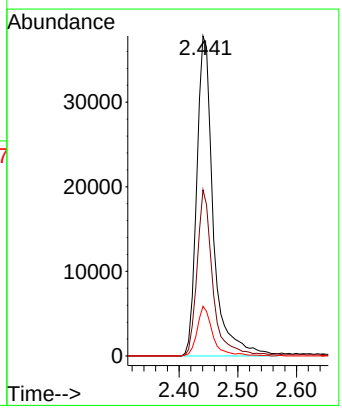


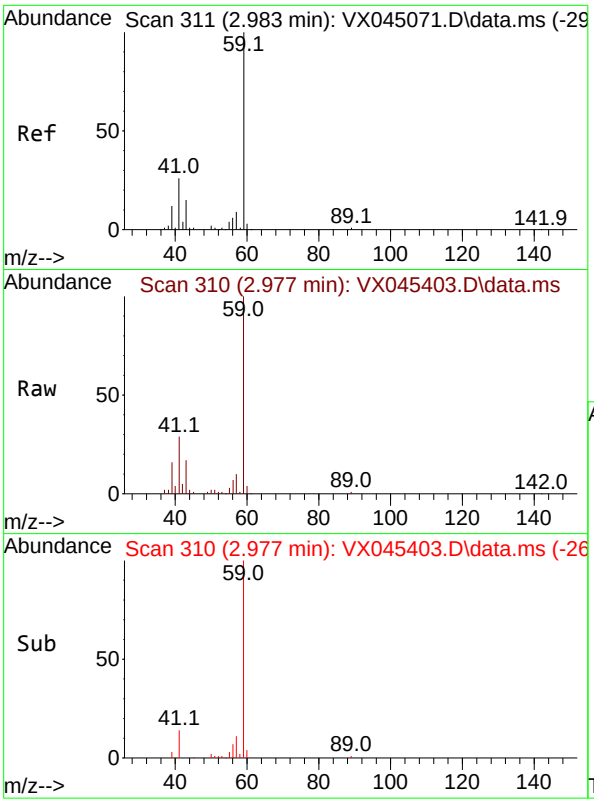


#10
Methyl Iodide
Concen: 51.996 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX045403.D
Acq: 24 Mar 2025 10:26

Tgt Ion:142 Resp: 74307

Ion	Ratio	Lower	Upper
142	100		
127	49.1	35.4	53.2
141	14.7	11.6	17.4



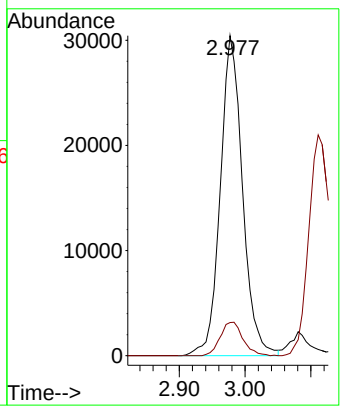


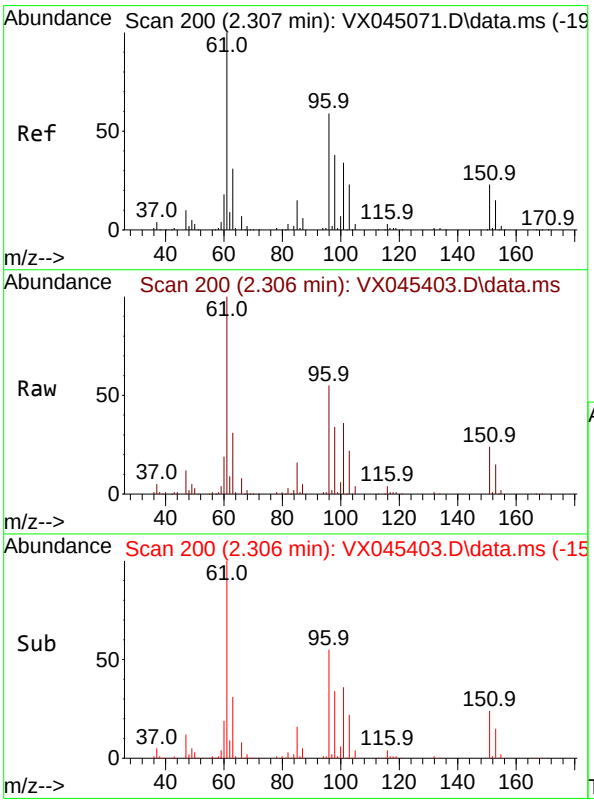
#11
Tert butyl alcohol
Concen: 241.872 ug/l
RT: 2.977 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045403.D
Acq: 24 Mar 2025 10:26

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 59 Resp: 71702

Ion	Ratio	Lower	Upper
59	100		
57	10.7	7.8	11.8

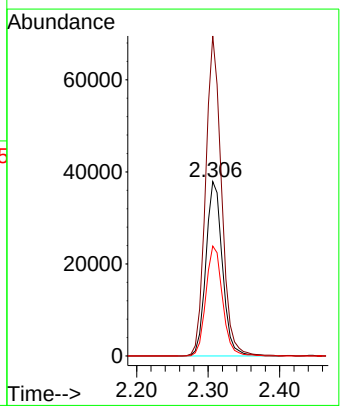


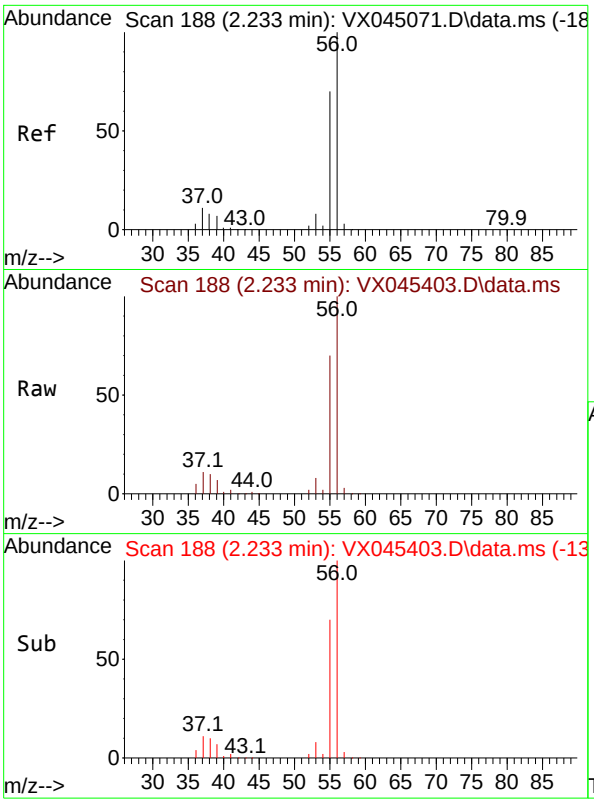


#12
1,1-Dichloroethene
Concen: 50.136 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX045403.D
Acq: 24 Mar 2025 10:26

Tgt Ion: 96 Resp: 60615

Ion	Ratio	Lower	Upper
96	100		
61	183.5	134.6	202.0
98	63.1	51.0	76.6



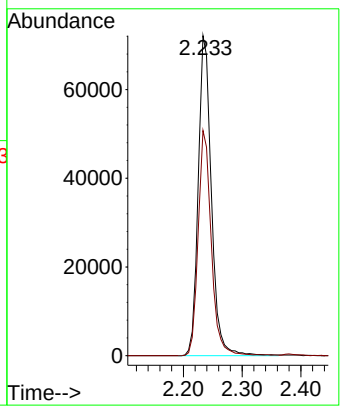


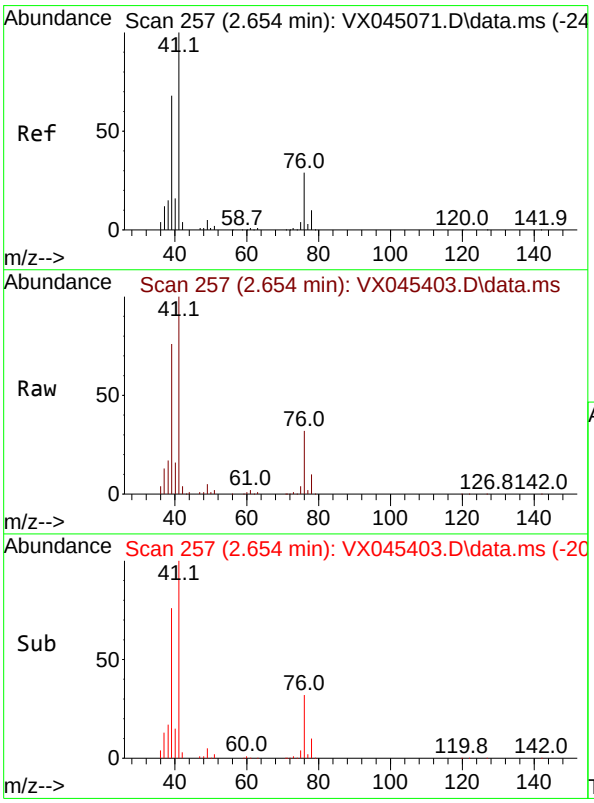
#13
Acrolein
Concen: 326.666 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045403.D
Acq: 24 Mar 2025 10:26

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 56 Resp: 111943

Ion	Ratio	Lower	Upper
56	100		
55	70.5	56.2	84.4

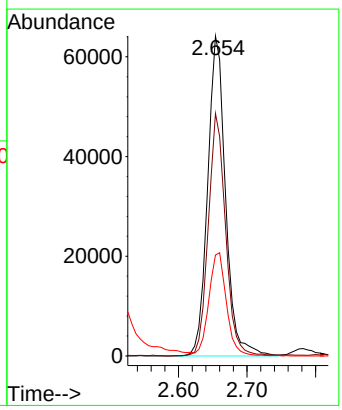


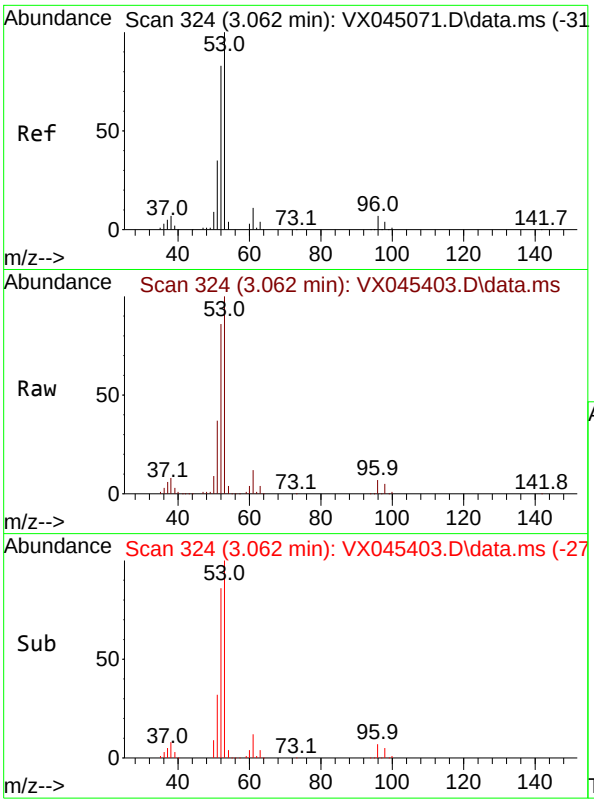


#14
Allyl chloride
Concen: 54.223 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX045403.D
Acq: 24 Mar 2025 10:26

Tgt Ion: 41 Resp: 116693

Ion	Ratio	Lower	Upper
41	100		
39	73.2	53.8	80.8
76	31.7	25.2	37.8



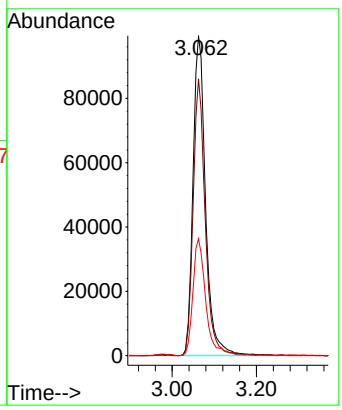


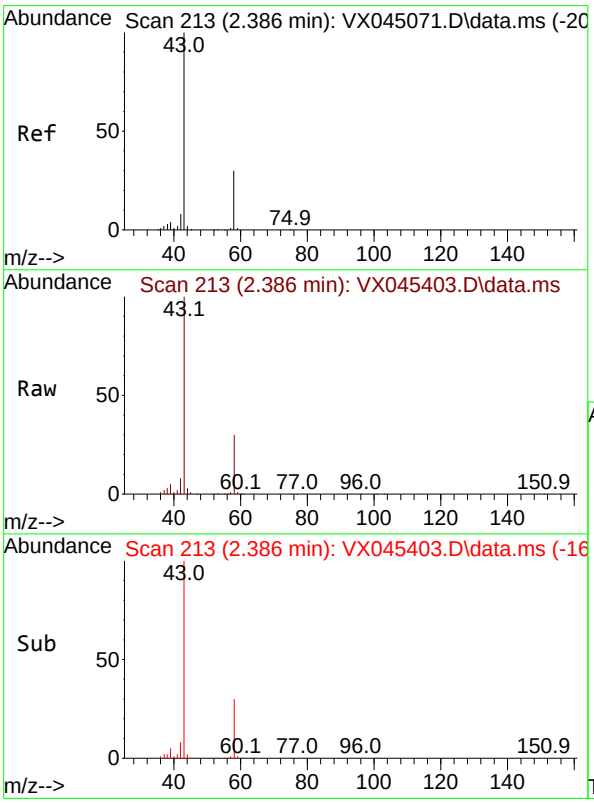
#15
Acrylonitrile
Concen: 259.979 ug/l
RT: 3.062 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045403.D
Acq: 24 Mar 2025 10:26

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 53 Resp: 206556

Ion	Ratio	Lower	Upper
53	100		
52	83.2	66.2	99.2
51	37.1	29.0	43.4

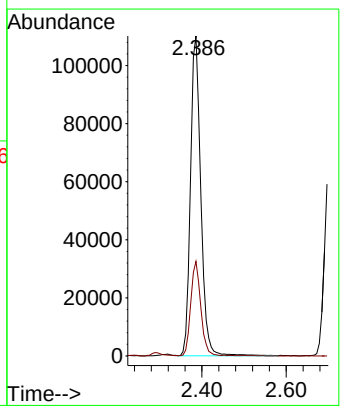


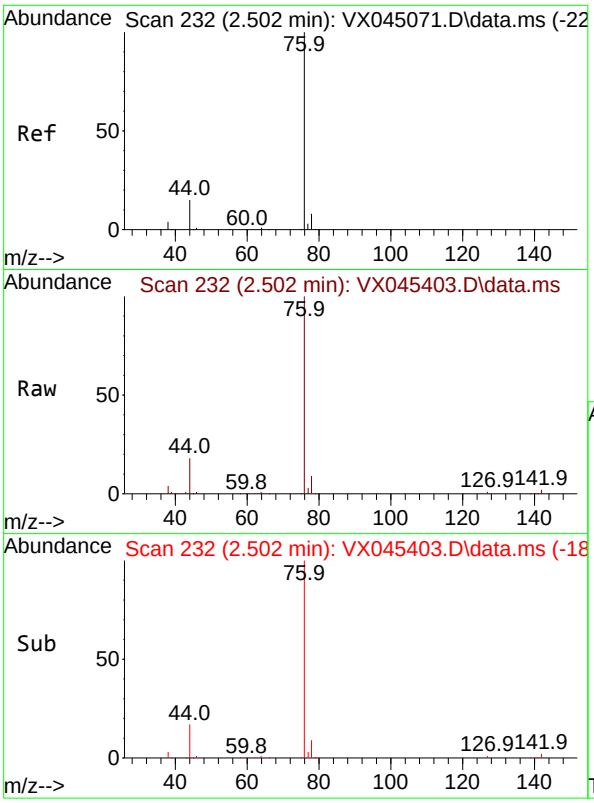


#16
Acetone
Concen: 258.067 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX045403.D
Acq: 24 Mar 2025 10:26

Tgt Ion: 43 Resp: 187392

Ion	Ratio	Lower	Upper
43	100		
58	29.6	24.2	36.4



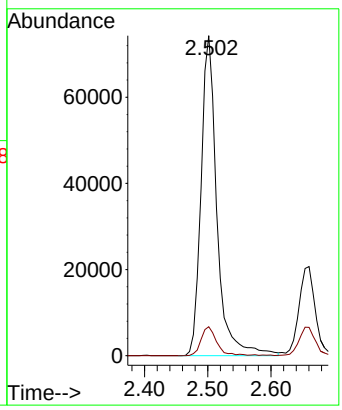


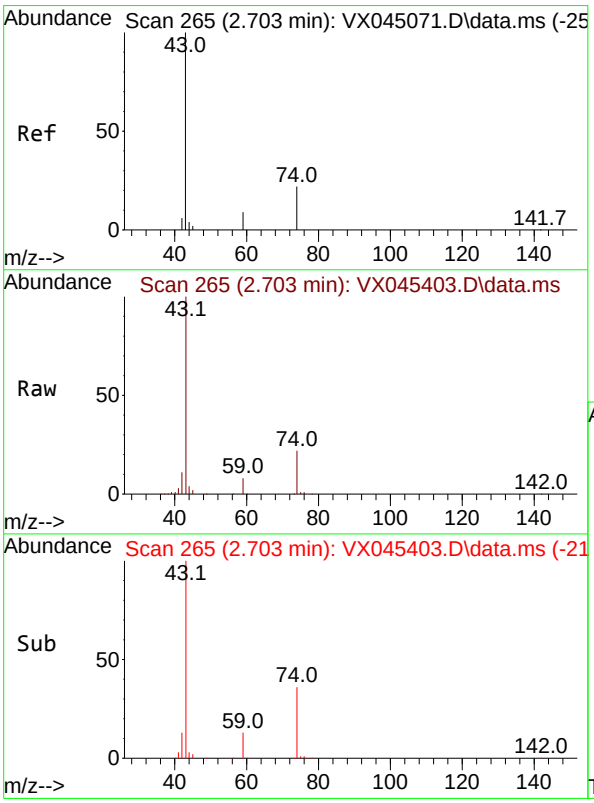
#17
Carbon Disulfide
Concen: 40.336 ug/l
RT: 2.502 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045403.D
Acq: 24 Mar 2025 10:26

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 129889

Ion	Ratio	Lower	Upper
76	100		
78	9.0	6.6	9.8

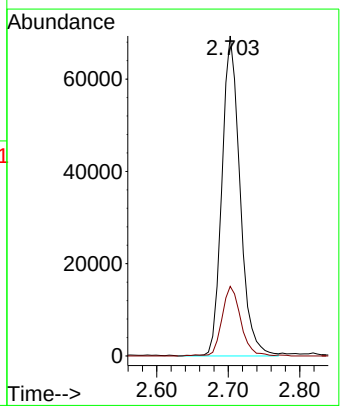


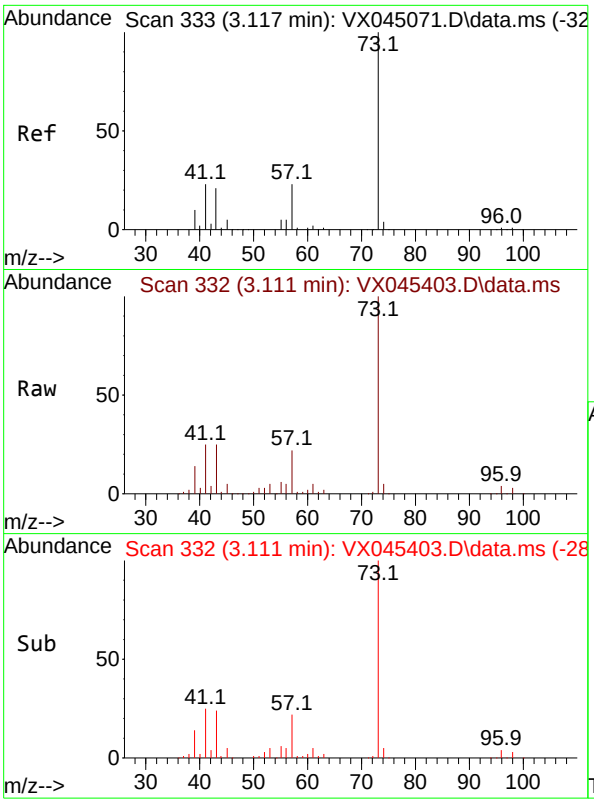


#18
Methyl Acetate
Concen: 69.873 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX045403.D
Acq: 24 Mar 2025 10:26

Tgt Ion: 43 Resp: 122057

Ion	Ratio	Lower	Upper
43	100		
74	22.5	17.4	26.2



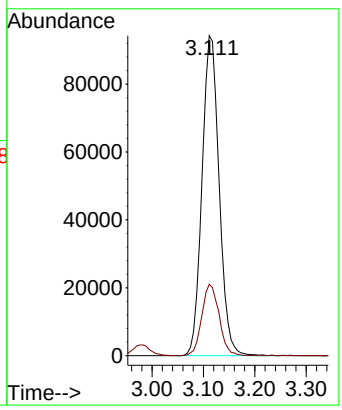


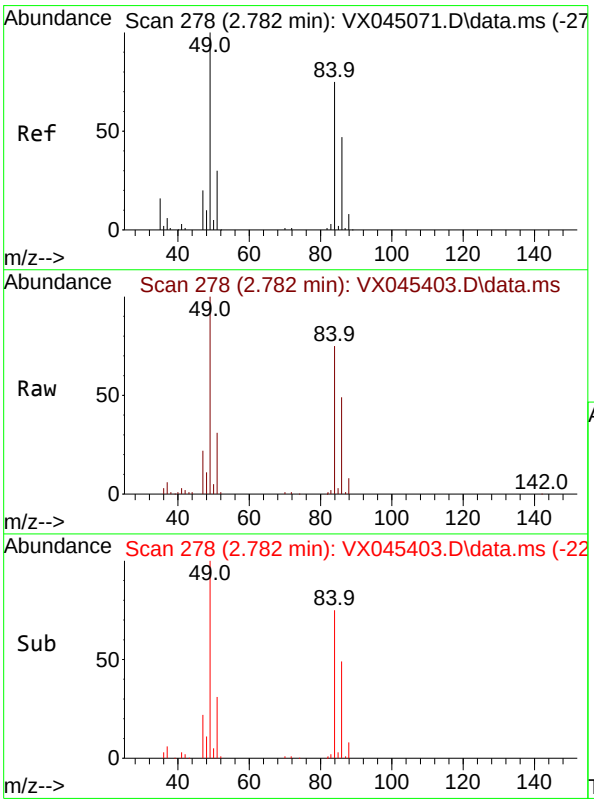
#19
Methyl tert-butyl Ether
Concen: 53.776 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045403.D
Acq: 24 Mar 2025 10:26

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 73 Resp: 218127

Ion	Ratio	Lower	Upper
73	100		
57	22.3	18.5	27.7

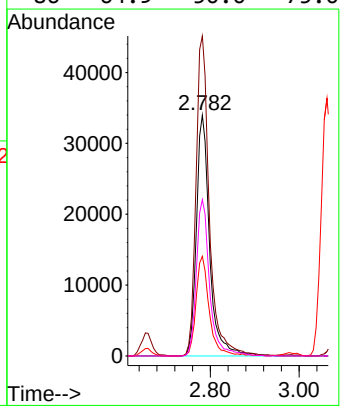


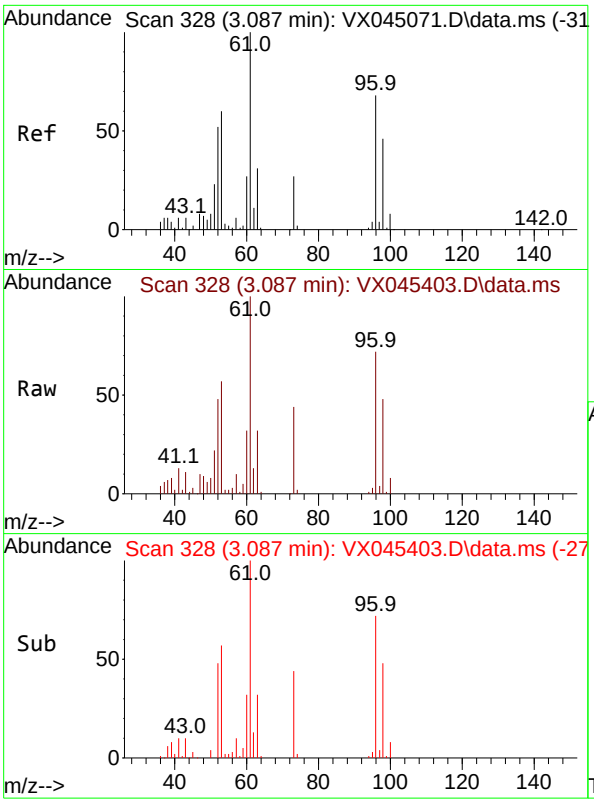


#20
Methylene Chloride
Concen: 48.871 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX045403.D
Acq: 24 Mar 2025 10:26

Tgt Ion: 84 Resp: 70296

Ion	Ratio	Lower	Upper
84	100		
49	132.9	106.5	159.7
51	41.4	32.1	48.1
86	64.9	50.0	75.0



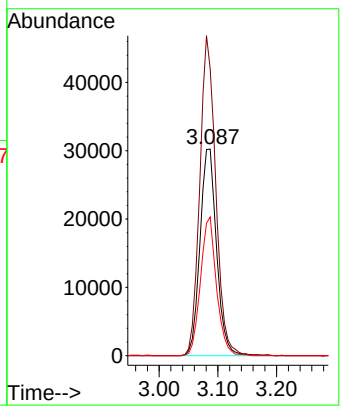


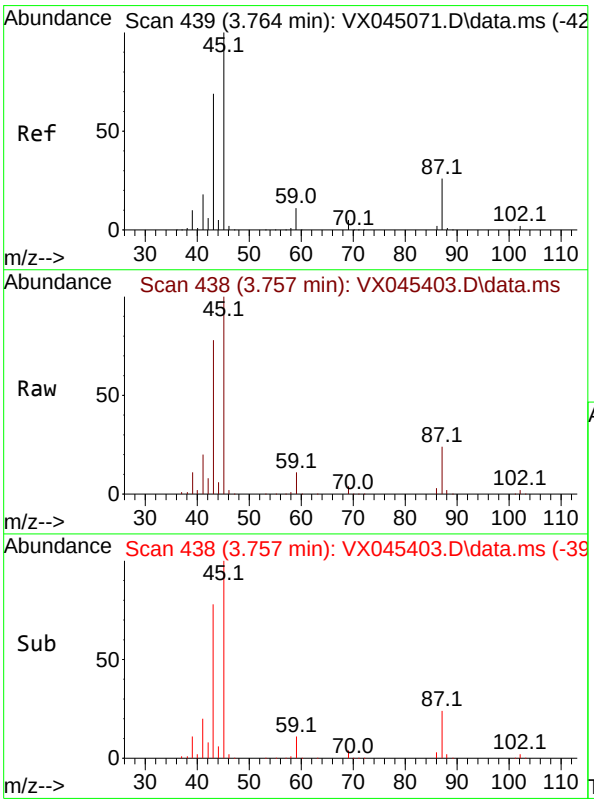
#21
trans-1,2-Dichloroethene
Concen: 49.847 ug/l
RT: 3.087 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045403.D
Acq: 24 Mar 2025 10:26

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 96 Resp: 59539

Ion	Ratio	Lower	Upper
96	100		
61	138.8	117.0	175.4
98	67.2	53.4	80.2

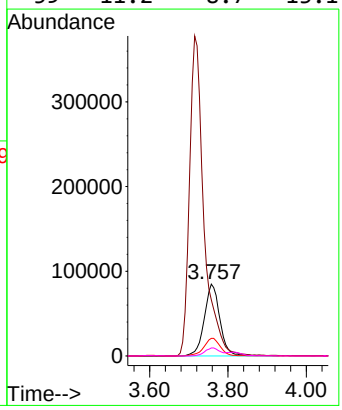


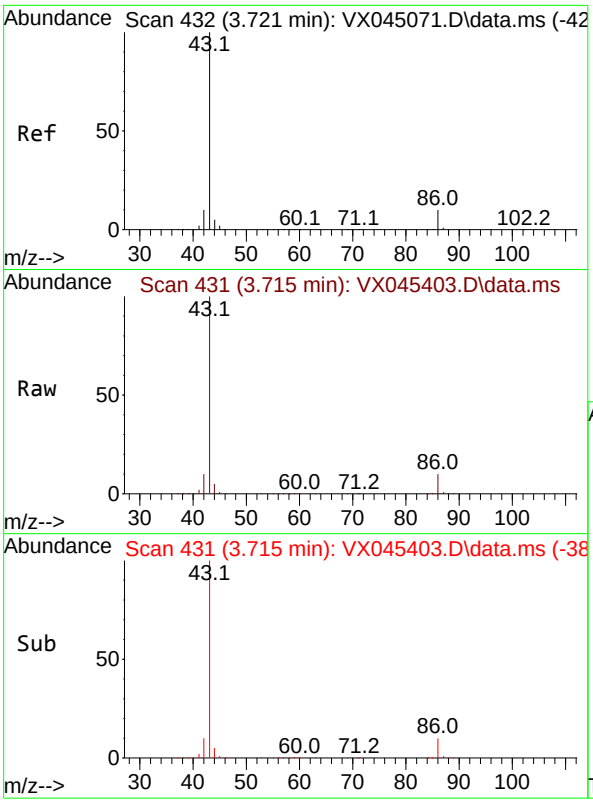


#22
Diisopropyl ether
Concen: 53.549 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.006 min
Lab File: VX045403.D
Acq: 24 Mar 2025 10:26

Tgt Ion: 45 Resp: 234378

Ion	Ratio	Lower	Upper
45	100		
43	77.4	54.9	82.3
87	24.5	21.0	31.4
59	11.2	8.7	13.1



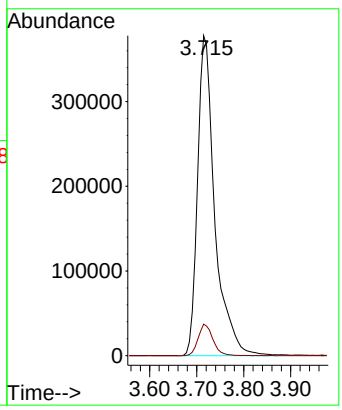


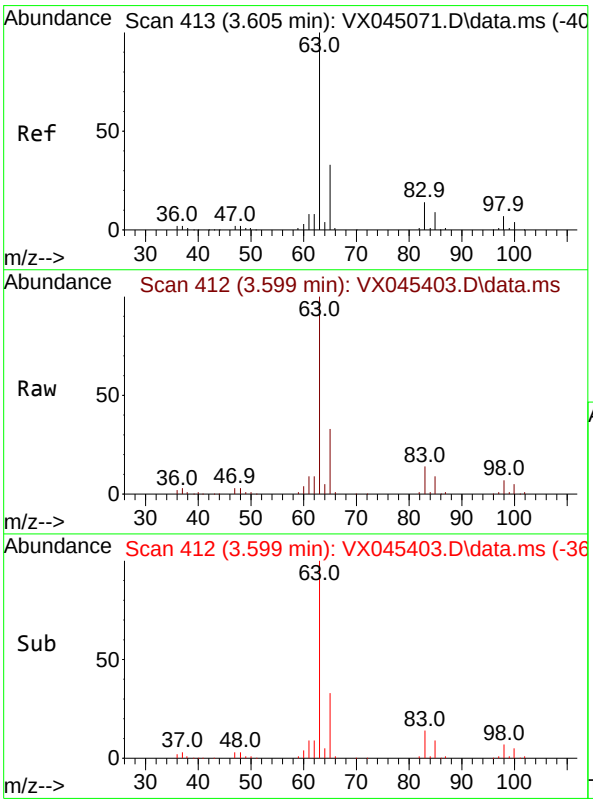
#23
Vinyl Acetate
Concen: 264.180 ug/l
RT: 3.715 min Scan# 4
Delta R.T. -0.006 min
Lab File: VX045403.D
Acq: 24 Mar 2025 10:26

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 964923

Ion	Ratio	Lower	Upper
43	100		
86	9.9	8.1	12.1

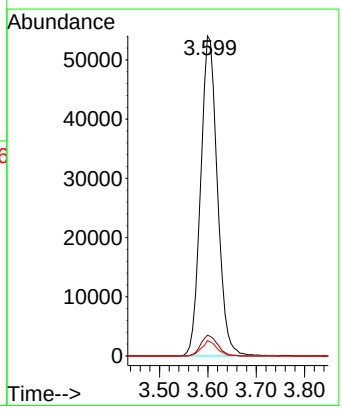


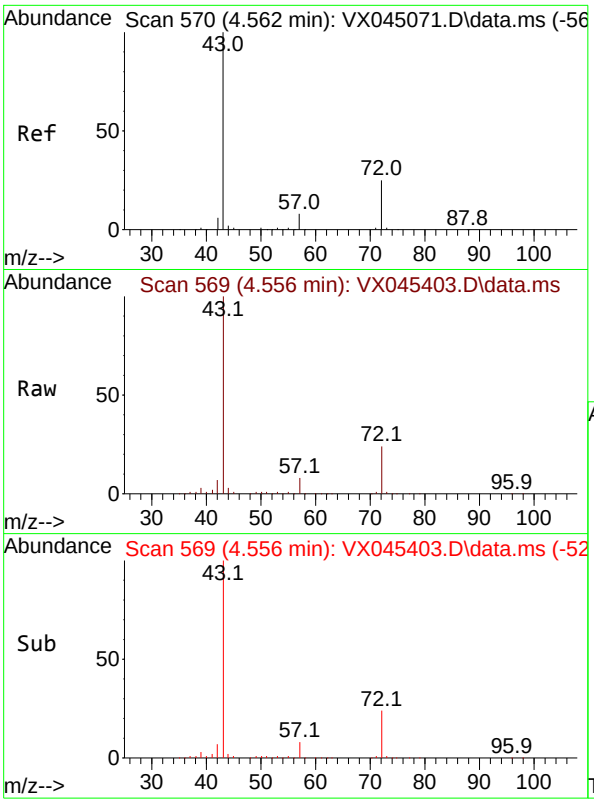


#24
1,1-Dichloroethane
Concen: 53.017 ug/l
RT: 3.599 min Scan# 412
Delta R.T. -0.006 min
Lab File: VX045403.D
Acq: 24 Mar 2025 10:26

Tgt Ion: 63 Resp: 130048

Ion	Ratio	Lower	Upper
63	100		
98	6.5	3.4	10.2
100	4.8	2.1	6.5



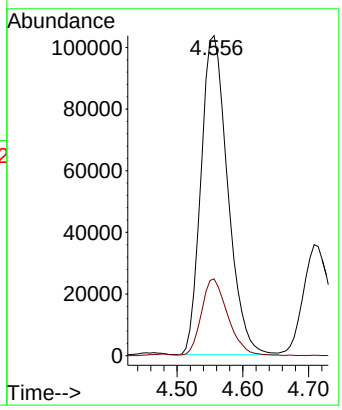


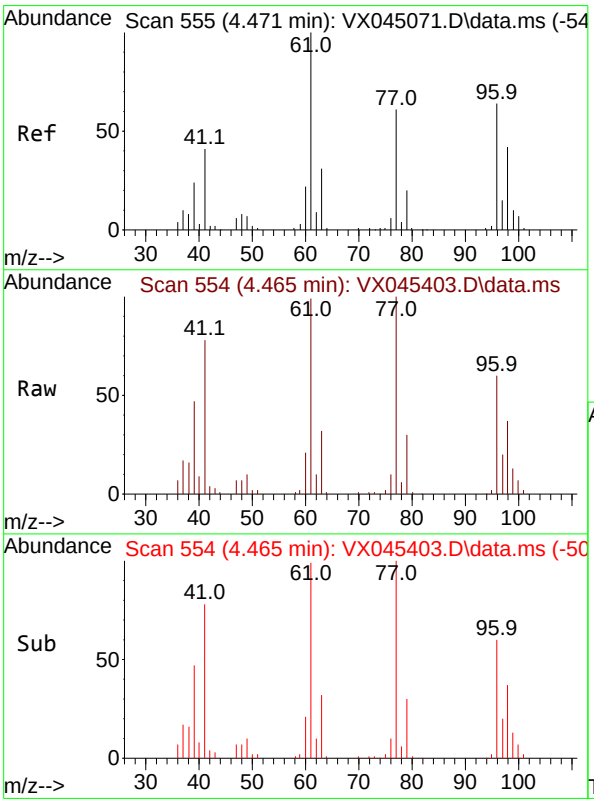
#25
2-Butanone
Concen: 267.823 ug/l
RT: 4.556 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX045403.D
Acq: 24 Mar 2025 10:26

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 292735

Ion	Ratio	Lower	Upper
43	100		
72	23.9	20.0	30.0

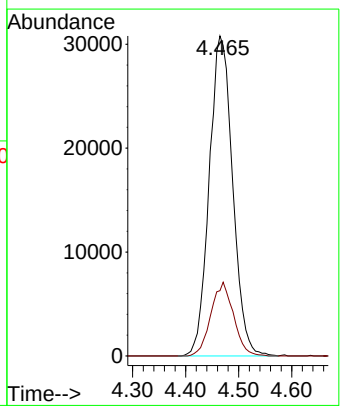


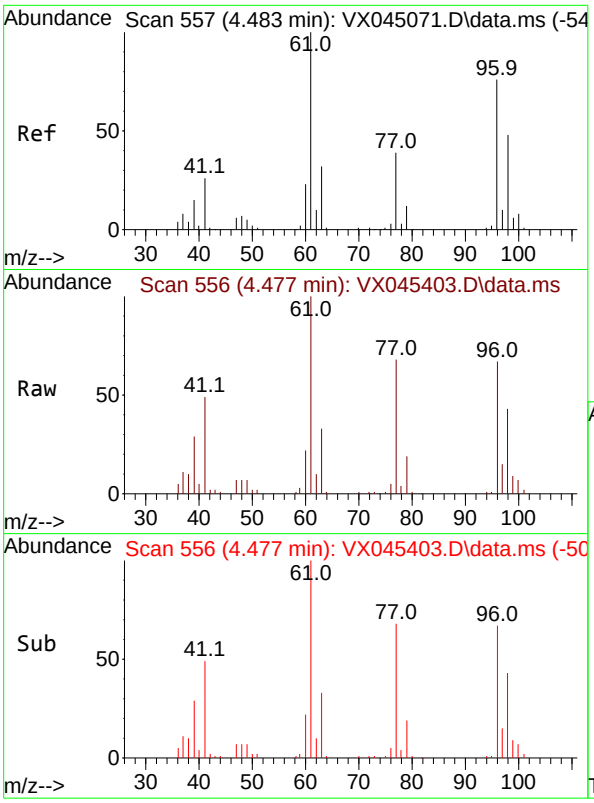


#26
2,2-Dichloropropane
Concen: 82.118 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.006 min
Lab File: VX045403.D
Acq: 24 Mar 2025 10:26

Tgt Ion: 77 Resp: 94481

Ion	Ratio	Lower	Upper
77	100		
97	22.3	12.4	37.0



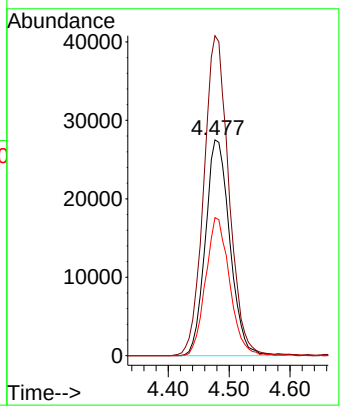


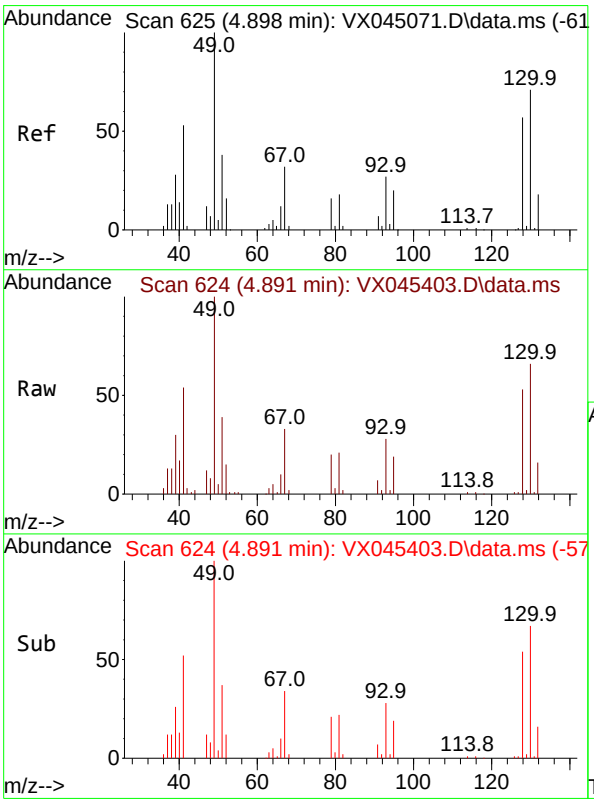
#27
cis-1,2-Dichloroethene
Concen: 52.019 ug/l
RT: 4.477 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX045403.D
Acq: 24 Mar 2025 10:26

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 96 Resp: 76700

Ion	Ratio	Lower	Upper
96	100		
61	151.9	0.0	283.2
98	63.0	0.0	128.0

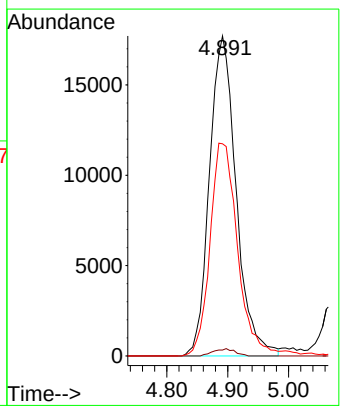


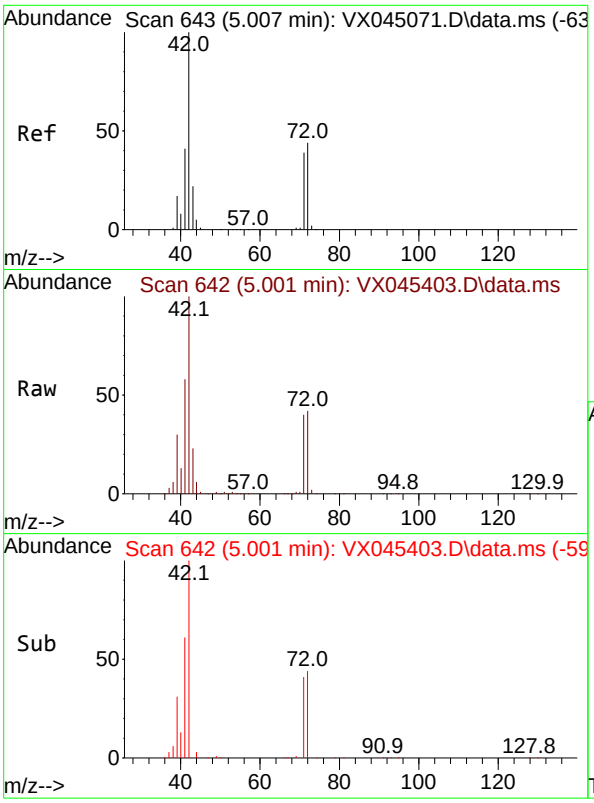


#28
Bromochloromethane
Concen: 46.117 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX045403.D
Acq: 24 Mar 2025 10:26

Tgt Ion: 49 Resp: 53919

Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.4
130	69.3	56.1	84.1



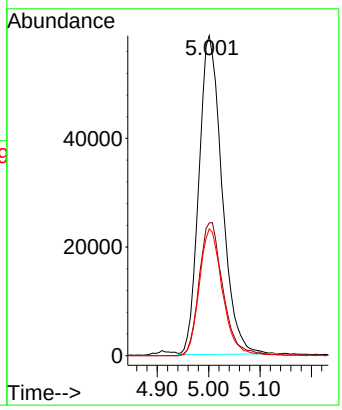


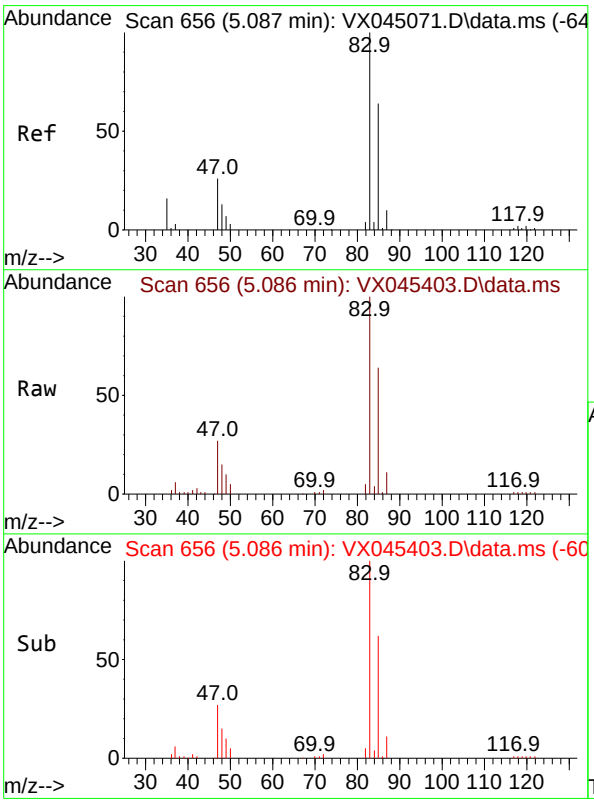
#29
Tetrahydrofuran
Concen: 249.799 ug/l
RT: 5.001 min Scan# 64
Delta R.T. -0.006 min
Lab File: VX045403.D
Acq: 24 Mar 2025 10:26

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 42 Resp: 183356

Ion	Ratio	Lower	Upper
42	100		
72	43.2	34.1	51.1
71	39.8	31.4	47.0

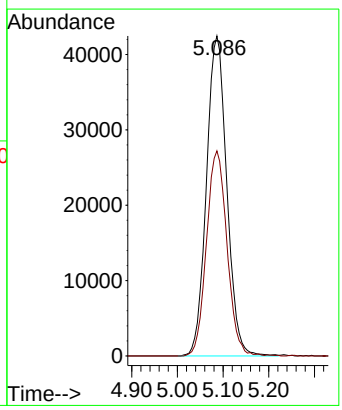


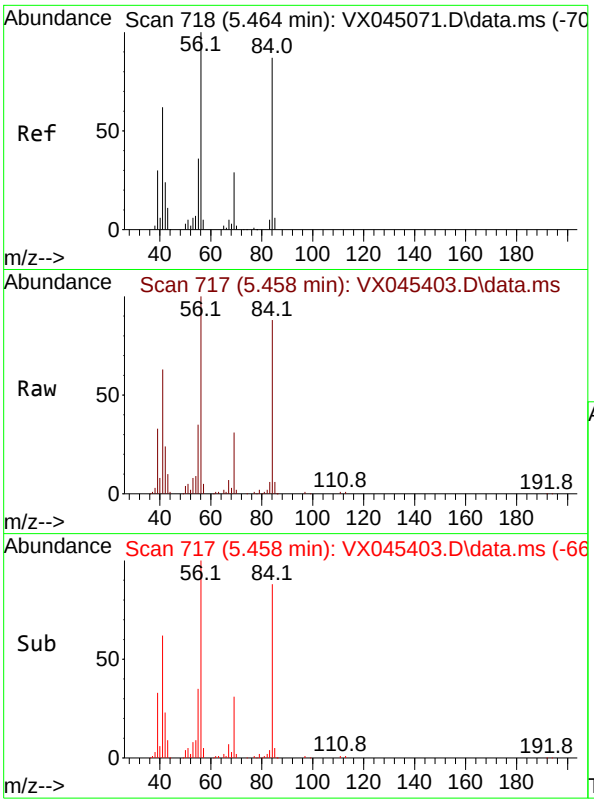


#30
Chloroform
Concen: 53.851 ug/l
RT: 5.086 min Scan# 656
Delta R.T. -0.000 min
Lab File: VX045403.D
Acq: 24 Mar 2025 10:26

Tgt Ion: 83 Resp: 131250

Ion	Ratio	Lower	Upper
83	100		
85	64.1	51.4	77.2



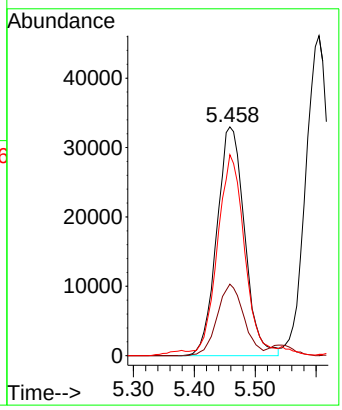


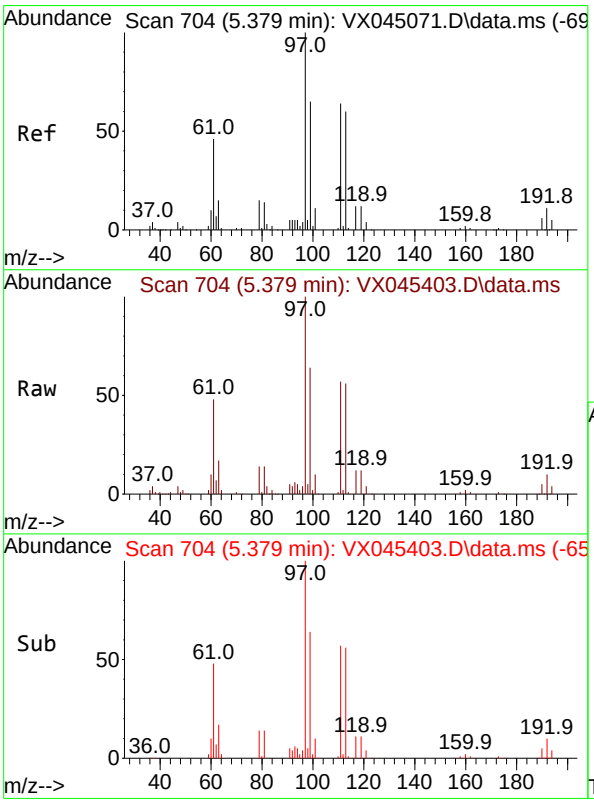
#31
Cyclohexane
Concen: 48.992 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045403.D
Acq: 24 Mar 2025 10:26

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 56 Resp: 104318

Ion	Ratio	Lower	Upper
56	100		
69	31.3	23.4	35.2
84	85.9	69.4	104.2

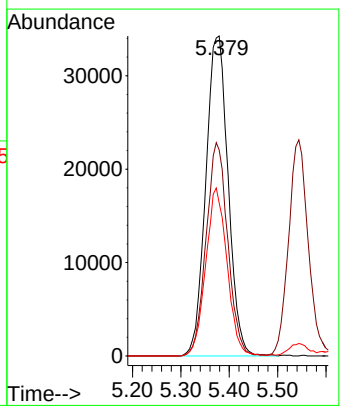


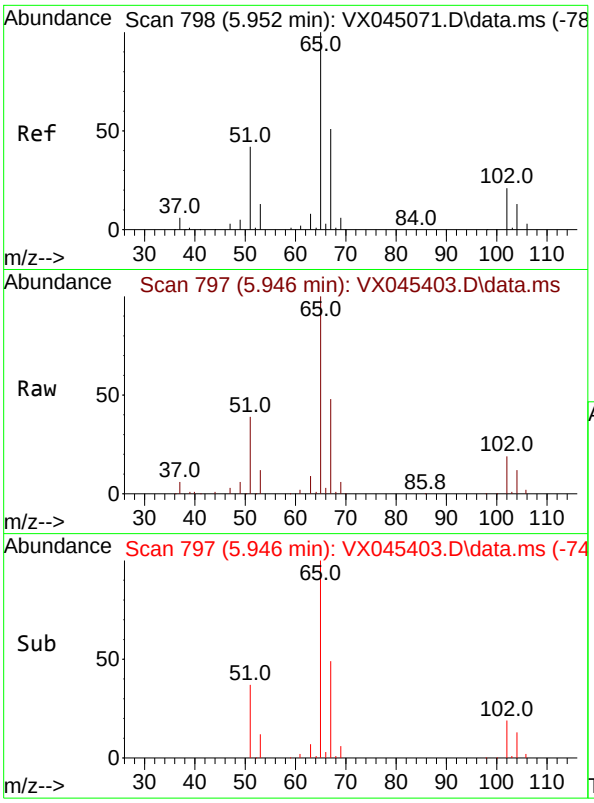


#32
1,1,1-Trichloroethane
Concen: 55.816 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX045403.D
Acq: 24 Mar 2025 10:26

Tgt Ion: 97 Resp: 109872

Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.6	77.4
61	50.2	38.4	57.6



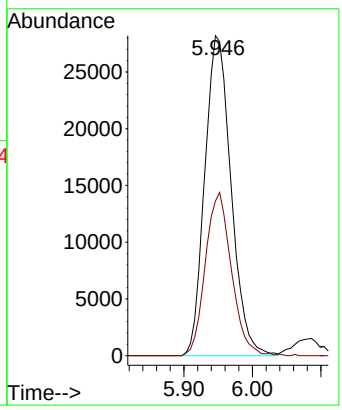


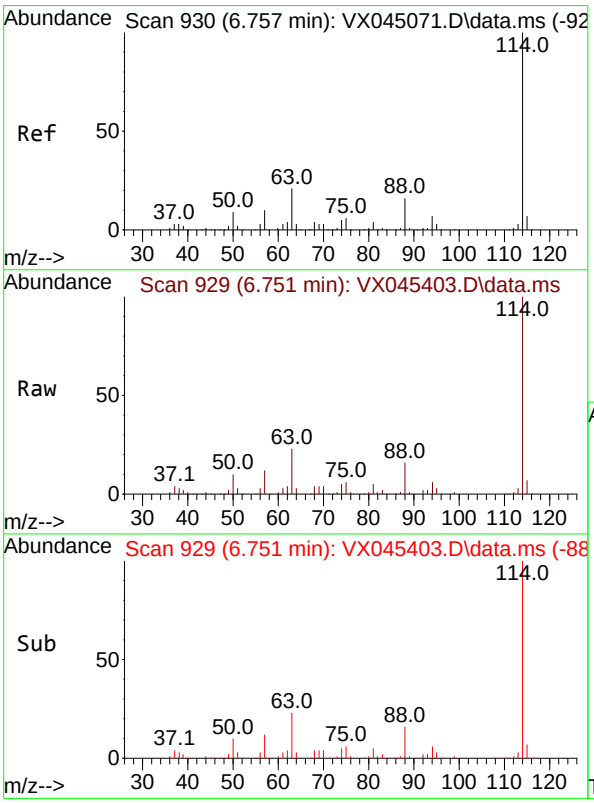
#33
1,2-Dichloroethane-d4
Concen: 48.117 ug/l
RT: 5.946 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045403.D
Acq: 24 Mar 2025 10:26

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 65 Resp: 75306

Ion	Ratio	Lower	Upper
65	100		
67	50.5	0.0	106.2

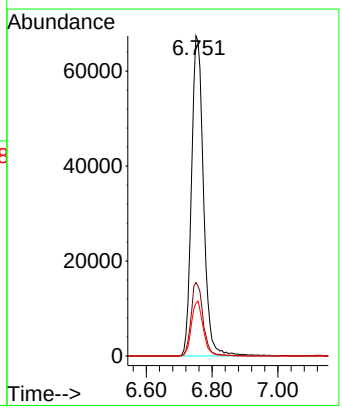


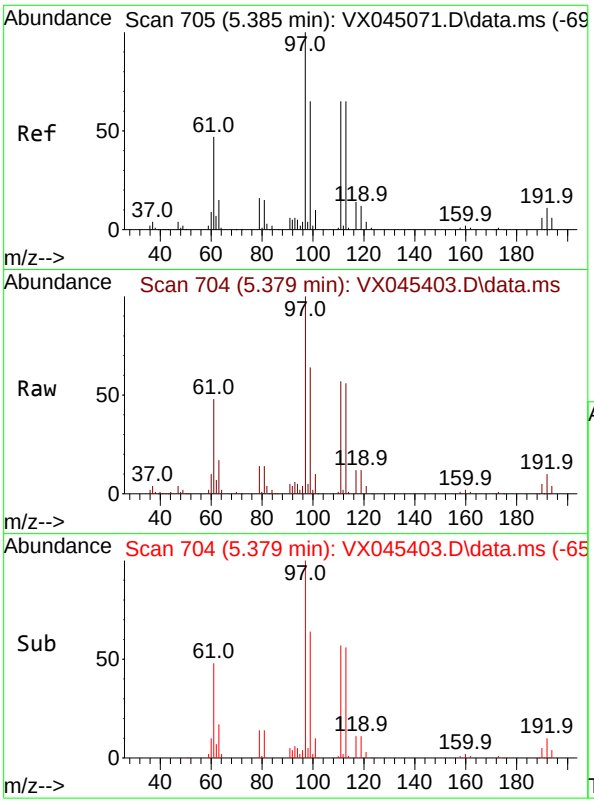


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 929
Delta R.T. -0.006 min
Lab File: VX045403.D
Acq: 24 Mar 2025 10:26

Tgt Ion:114 Resp: 170340

Ion	Ratio	Lower	Upper
114	100		
63	22.9	0.0	41.8
88	16.5	0.0	32.8



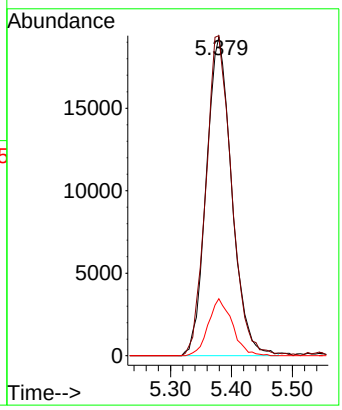


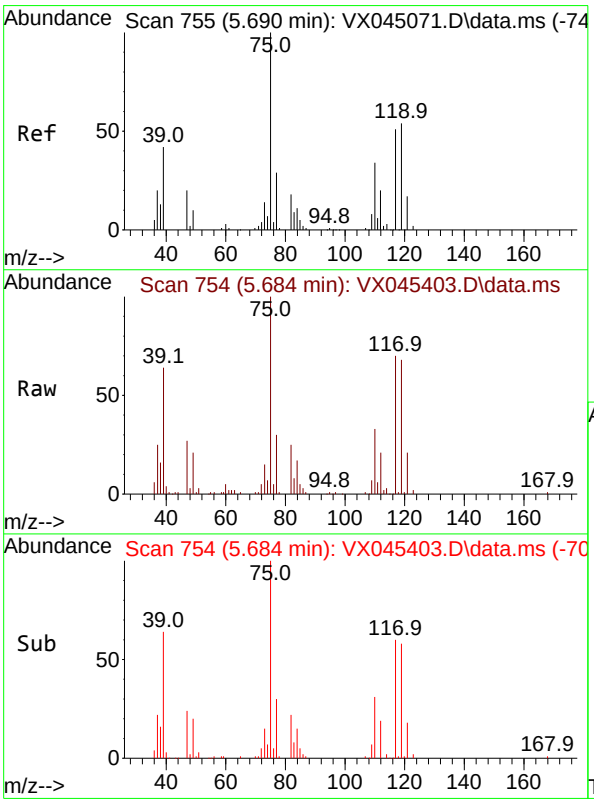
#35
Dibromofluoromethane
Concen: 49.284 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045403.D
Acq: 24 Mar 2025 10:26

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:113 Resp: 56135

Ion	Ratio	Lower	Upper
113	100		
111	101.4	81.8	122.6
192	16.8	14.3	21.5

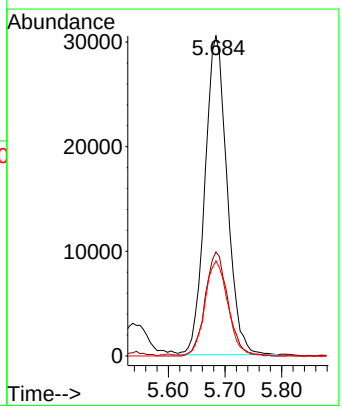


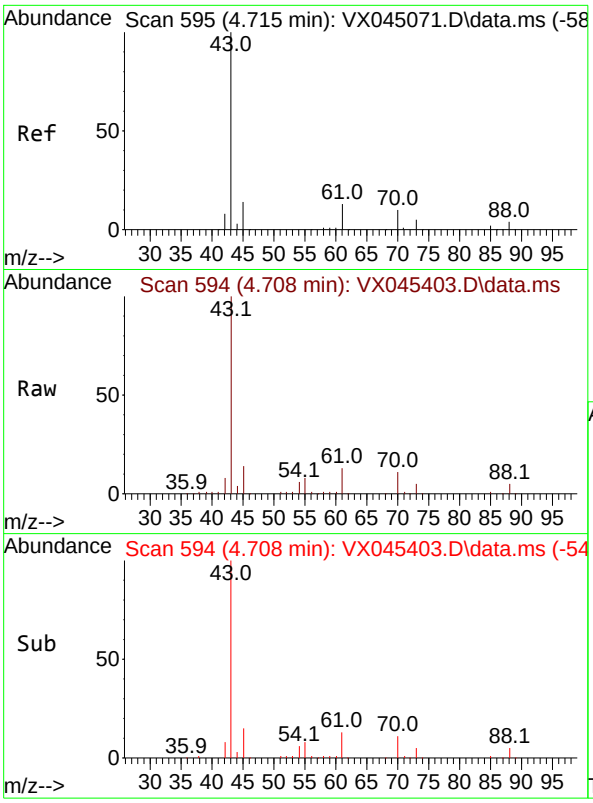


#36
1,1-Dichloropropene
Concen: 52.945 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX045403.D
Acq: 24 Mar 2025 10:26

Tgt Ion: 75 Resp: 82702

Ion	Ratio	Lower	Upper
75	100		
110	33.4	16.9	50.6
77	30.9	24.5	36.7



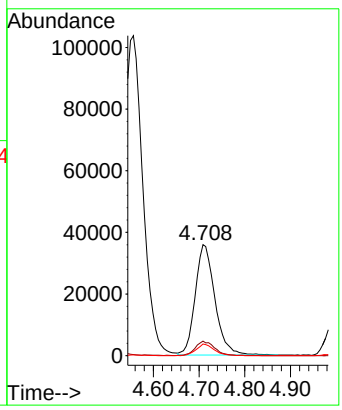


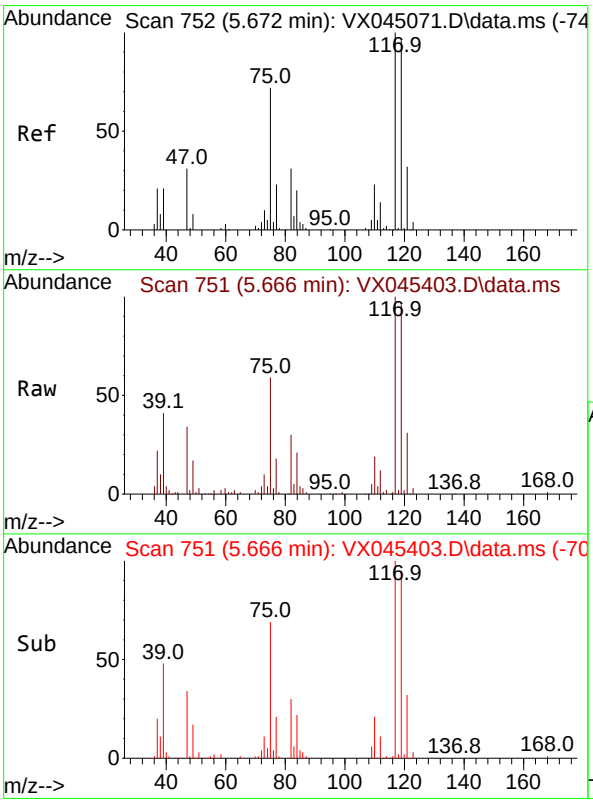
#37
Ethyl Acetate
Concen: 53.208 ug/l
RT: 4.708 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX045403.D
Acq: 24 Mar 2025 10:26

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 107097

Ion	Ratio	Lower	Upper
43	100		
61	12.4	10.8	16.2
70	9.7	7.7	11.5

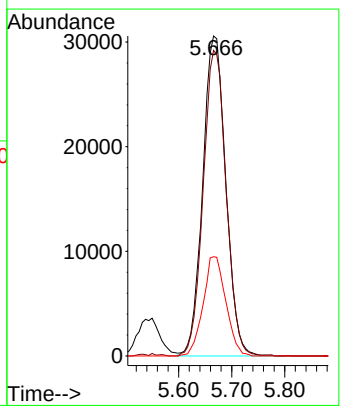


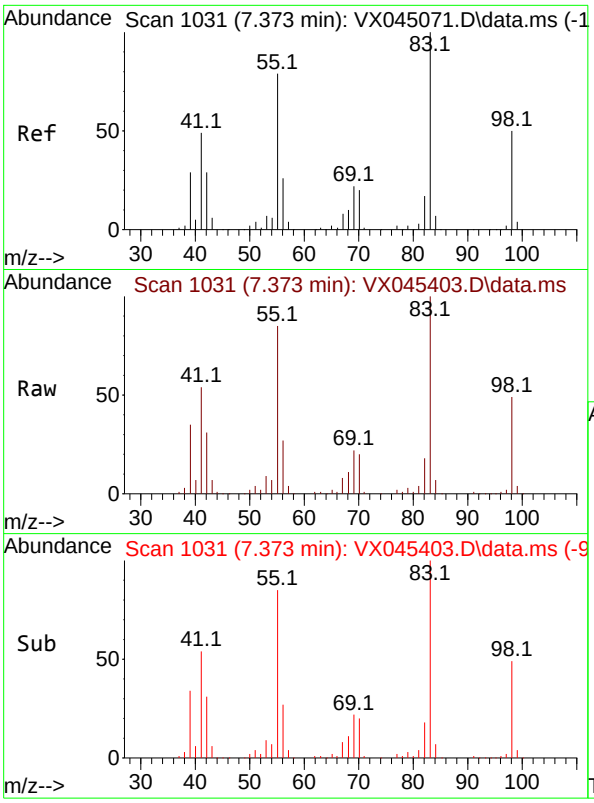


#38
Carbon Tetrachloride
Concen: 58.238 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX045403.D
Acq: 24 Mar 2025 10:26

Tgt Ion:117 Resp: 92357

Ion	Ratio	Lower	Upper
117	100		
119	95.5	76.7	115.1
121	31.0	25.5	38.3



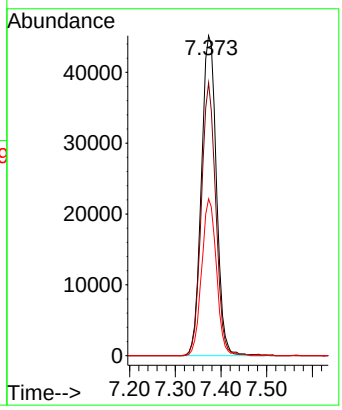


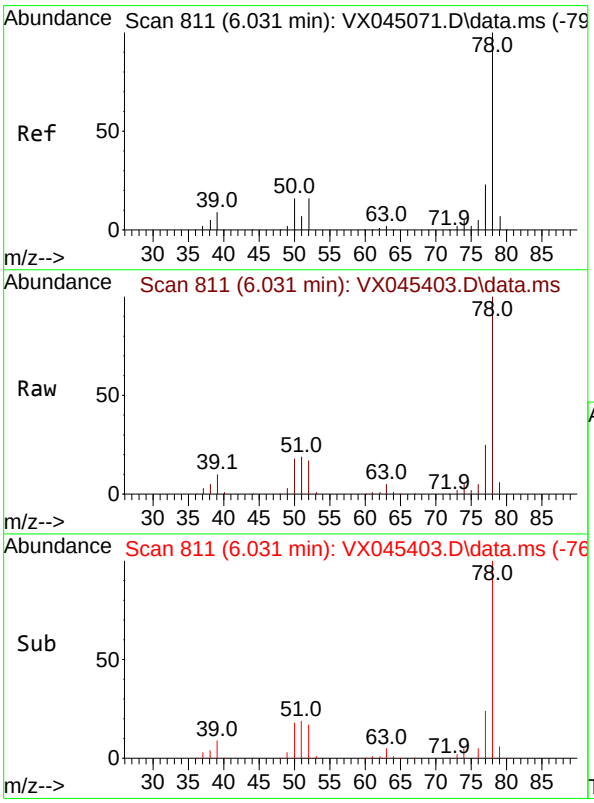
#39
Methylcyclohexane
Concen: 55.164 ug/l
RT: 7.373 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045403.D
Acq: 24 Mar 2025 10:26

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 103251

Ion	Ratio	Lower	Upper
83	100		
55	85.3	63.0	94.4
98	49.0	39.7	59.5

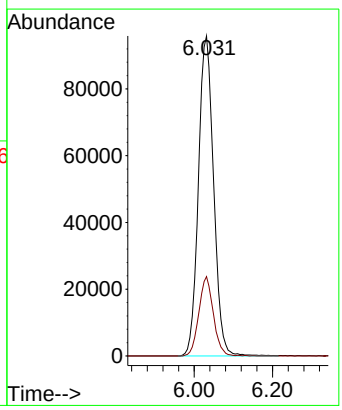


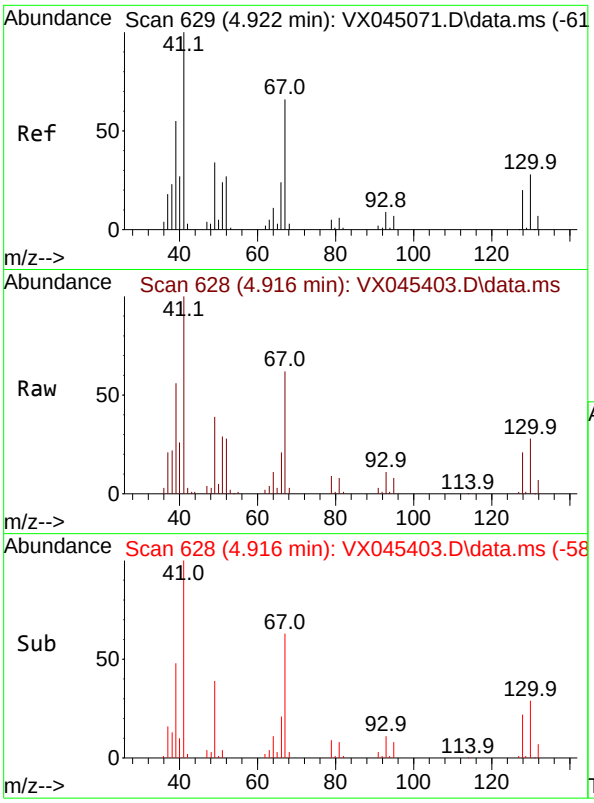


#40
Benzene
Concen: 52.427 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX045403.D
Acq: 24 Mar 2025 10:26

Tgt Ion: 78 Resp: 258600

Ion	Ratio	Lower	Upper
78	100		
77	24.8	18.8	28.2



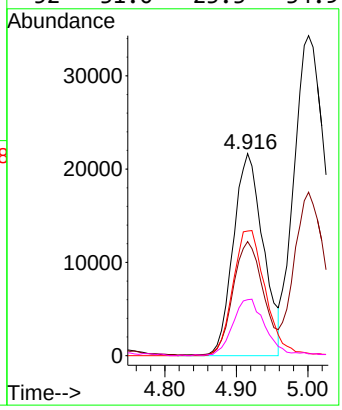


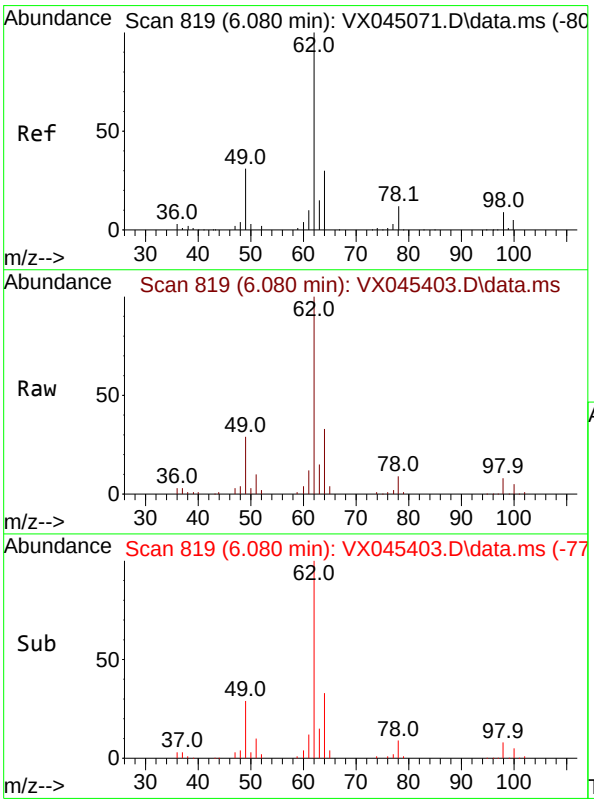
#41
Methacrylonitrile
Concen: 58.001 ug/l
RT: 4.916 min Scan# 6
Delta R.T. -0.006 min
Lab File: VX045403.D
Acq: 24 Mar 2025 10:26

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 41 Resp: 63126

Ion	Ratio	Lower	Upper
41	100		
39	56.9	44.6	67.0
67	67.3	53.9	80.9
52	31.0	23.3	34.9

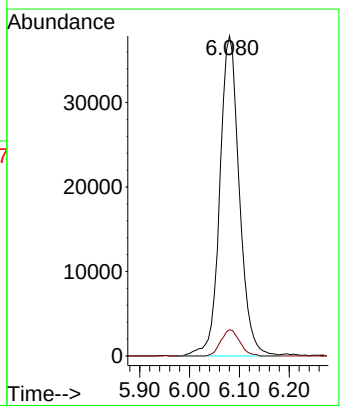


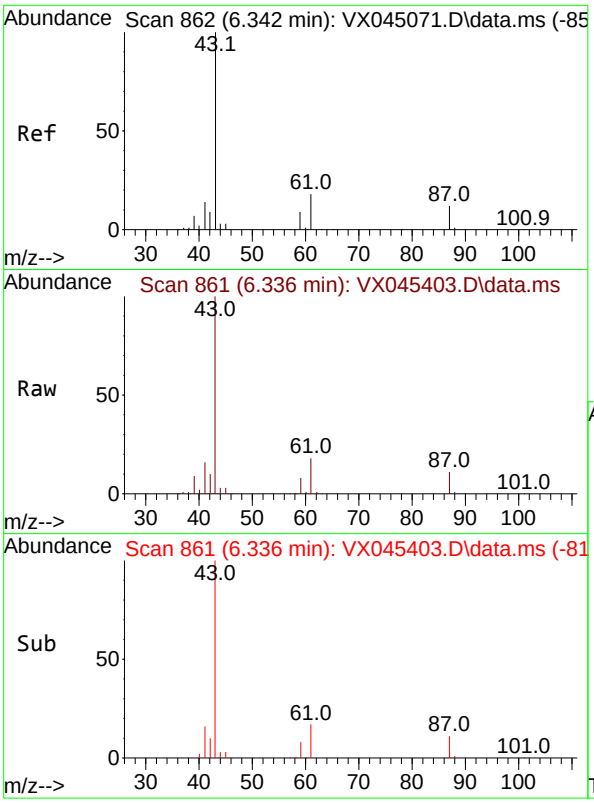


#42
1,2-Dichloroethane
Concen: 58.092 ug/l
RT: 6.080 min Scan# 819
Delta R.T. -0.000 min
Lab File: VX045403.D
Acq: 24 Mar 2025 10:26

Tgt Ion: 62 Resp: 103184

Ion	Ratio	Lower	Upper
62	100		
98	7.9	0.0	18.2



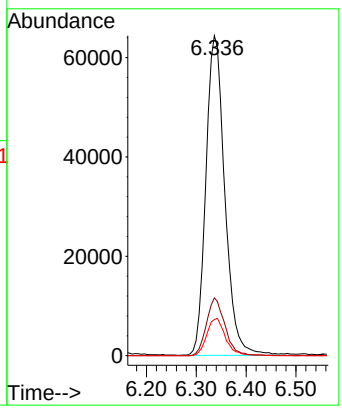


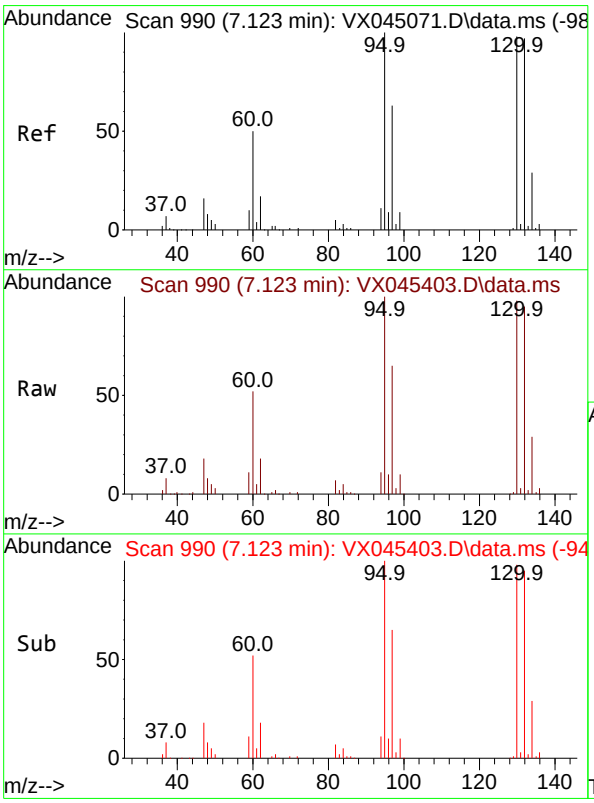
#43
Isopropyl Acetate
Concen: 57.059 ug/l
RT: 6.336 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX045403.D
Acq: 24 Mar 2025 10:26

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 169827

Ion	Ratio	Lower	Upper
43	100		
61	17.7	14.9	22.3
87	11.5	9.4	14.2

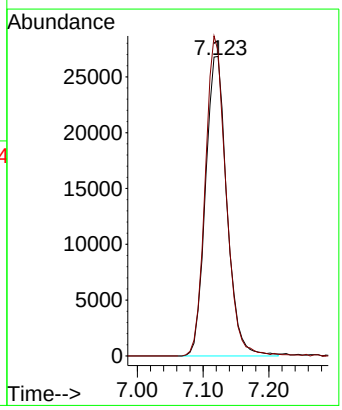


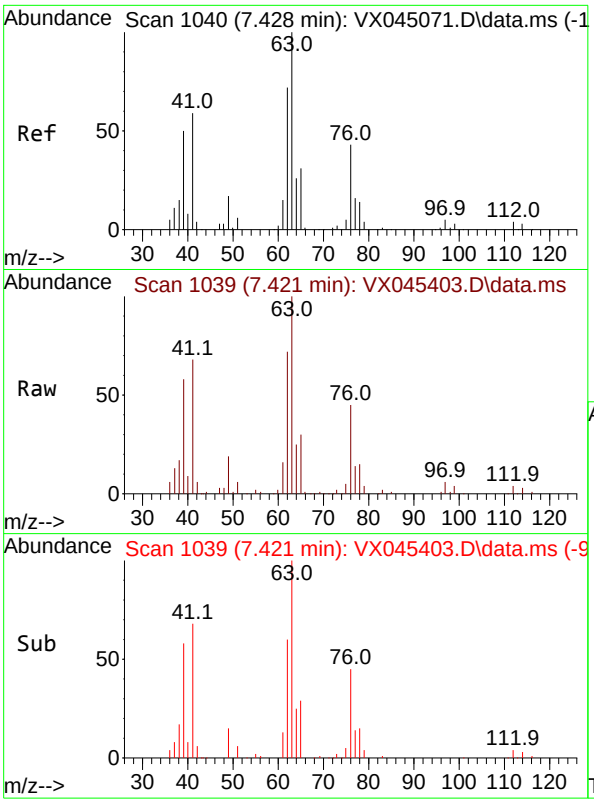


#44
Trichloroethene
Concen: 52.469 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX045403.D
Acq: 24 Mar 2025 10:26

Tgt Ion:130 Resp: 60771

Ion	Ratio	Lower	Upper
130	100		
95	101.8	0.0	205.0



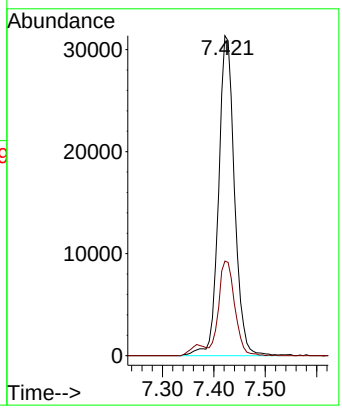


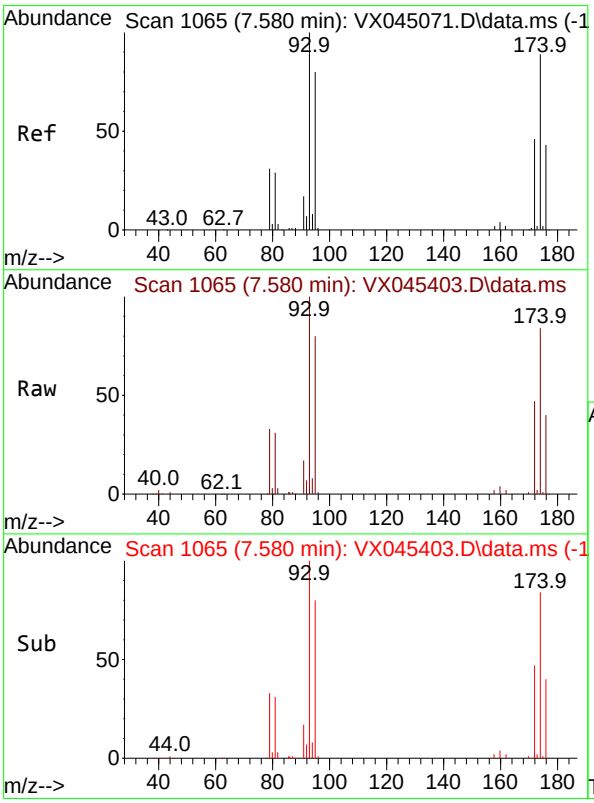
#45
1,2-Dichloropropane
Concen: 53.305 ug/l
RT: 7.421 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045403.D
Acq: 24 Mar 2025 10:26

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 63 Resp: 67603

Ion	Ratio	Lower	Upper
63	100		
65	29.6	24.7	37.1

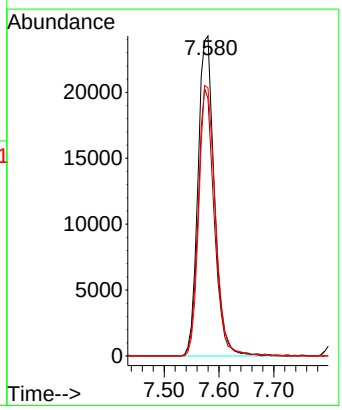


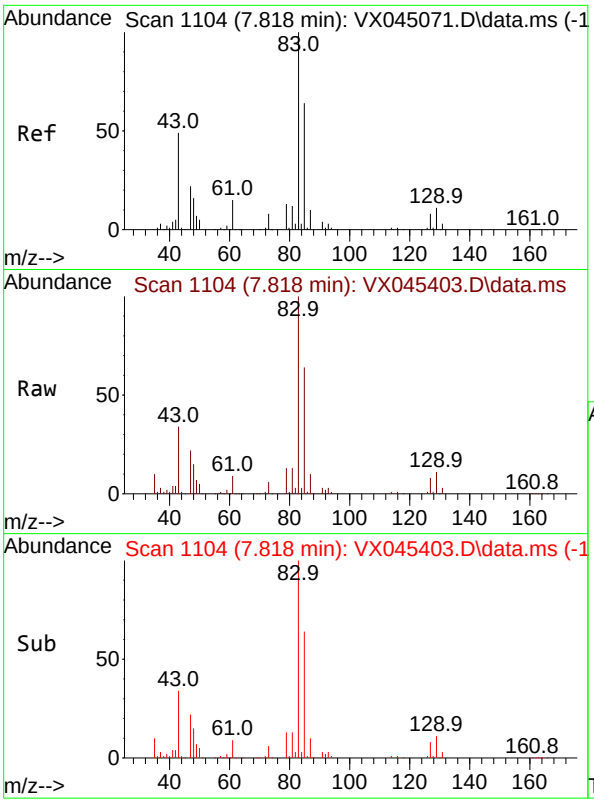


#46
Dibromomethane
Concen: 56.369 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VX045403.D
Acq: 24 Mar 2025 10:26

Tgt Ion: 93 Resp: 50529

Ion	Ratio	Lower	Upper
93	100		
95	81.9	65.8	98.8
174	85.1	72.2	108.2



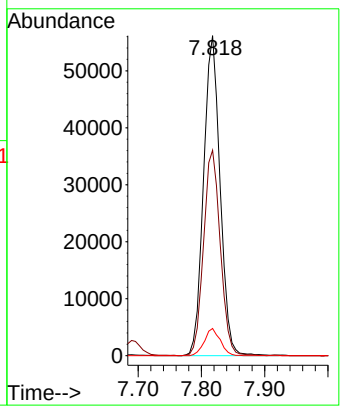


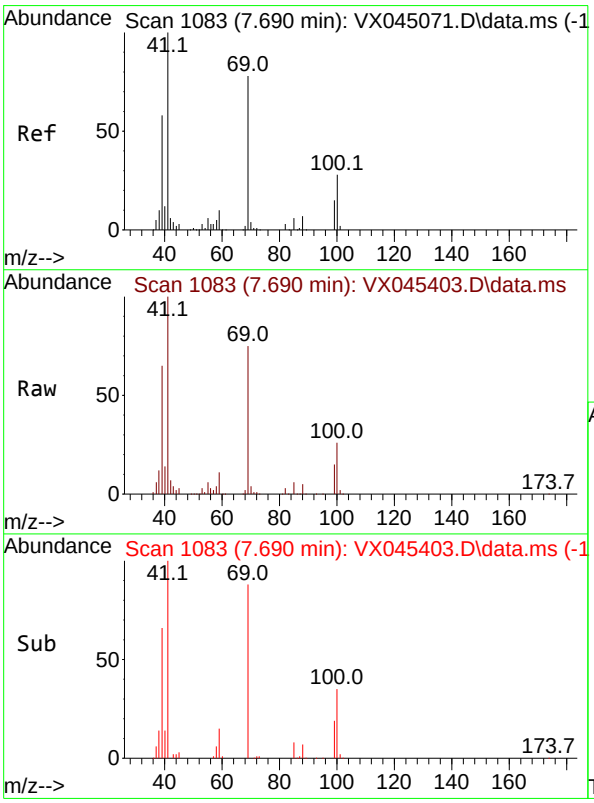
#47
Bromodichloromethane
Concen: 57.970 ug/l
RT: 7.818 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045403.D
Acq: 24 Mar 2025 10:26

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 101926

Ion	Ratio	Lower	Upper
83	100		
85	64.2	51.1	76.7
127	8.5	6.4	9.6

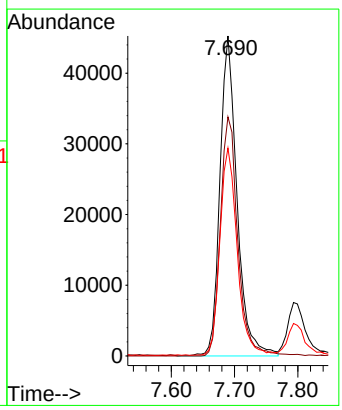


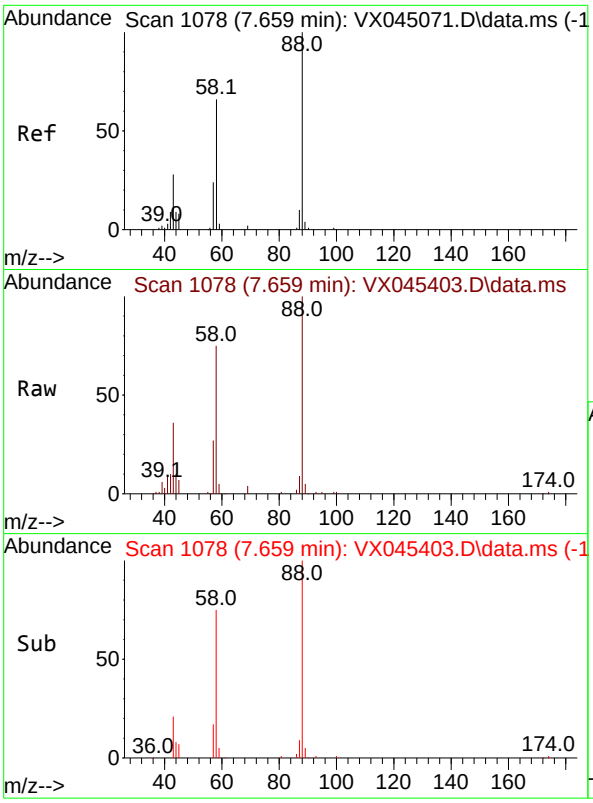


#48
Methyl methacrylate
Concen: 56.723 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. -0.000 min
Lab File: VX045403.D
Acq: 24 Mar 2025 10:26

Tgt Ion: 41 Resp: 84700

Ion	Ratio	Lower	Upper
41	100		
69	76.6	63.0	94.6
39	65.5	47.5	71.3



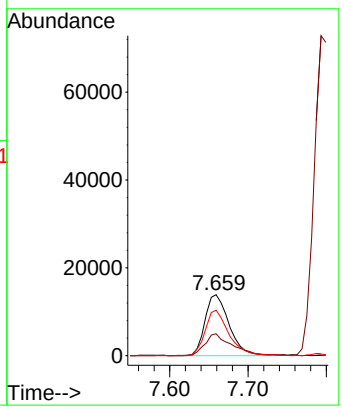


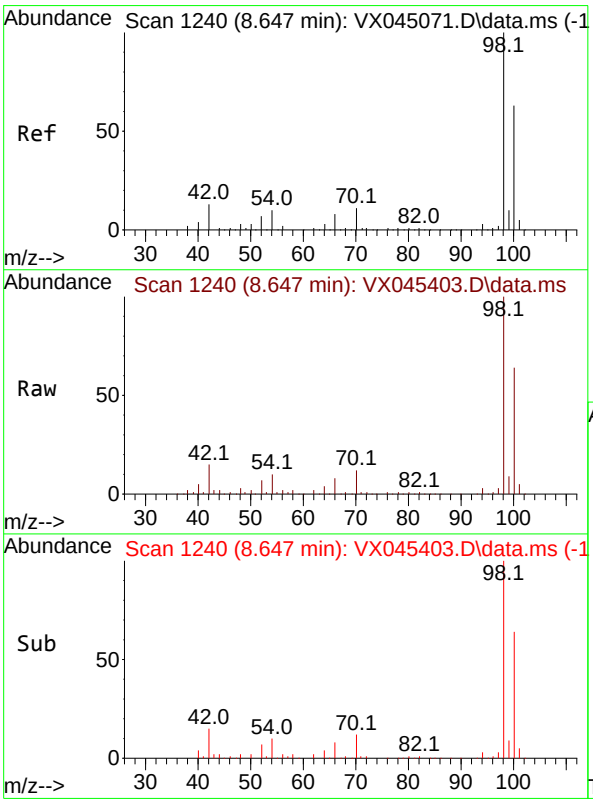
#49
1,4-Dioxane
Concen: 938.957 ug/l
RT: 7.659 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045403.D
Acq: 24 Mar 2025 10:26

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 88 Resp: 29575

Ion	Ratio	Lower	Upper
88	100		
43	41.2	28.7	43.1
58	73.9	55.8	83.8

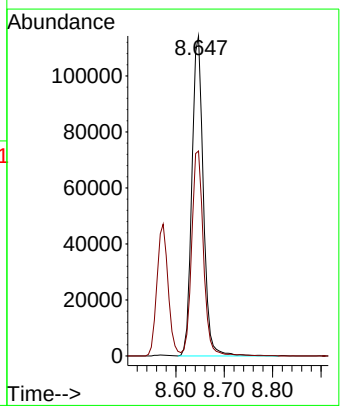


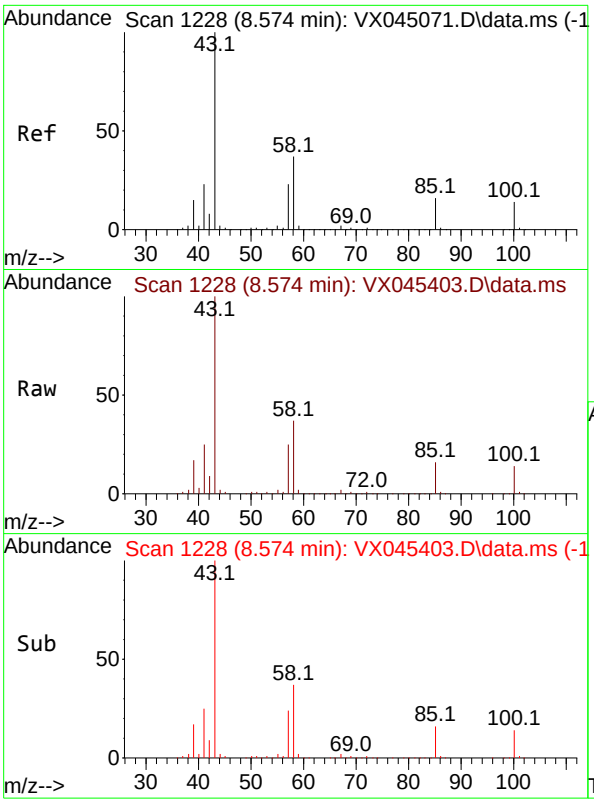


#50
Toluene-d8
Concen: 45.462 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045403.D
Acq: 24 Mar 2025 10:26

Tgt Ion: 98 Resp: 187729

Ion	Ratio	Lower	Upper
98	100		
100	65.9	52.0	78.0



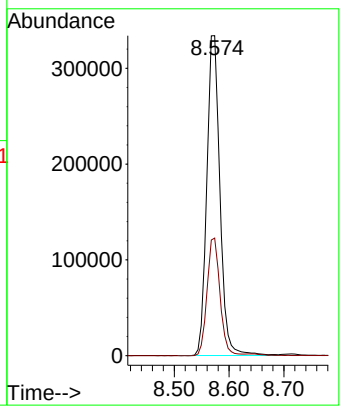


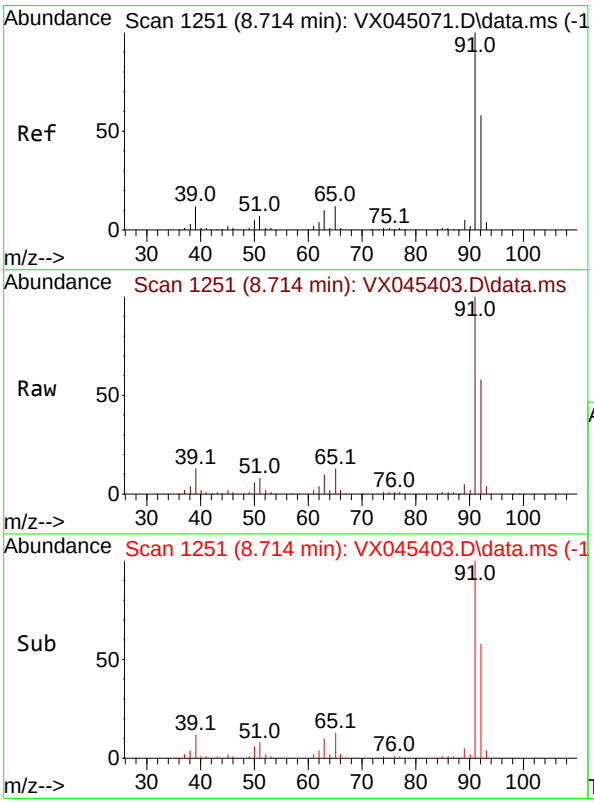
#51
4-Methyl-2-Pentanone
Concen: 277.605 ug/l
RT: 8.574 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045403.D
Acq: 24 Mar 2025 10:26

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 554783

Ion	Ratio	Lower	Upper
43	100		
58	36.1	29.2	43.8

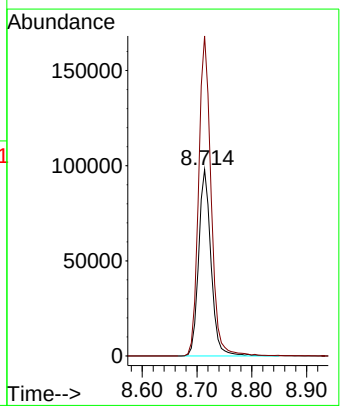


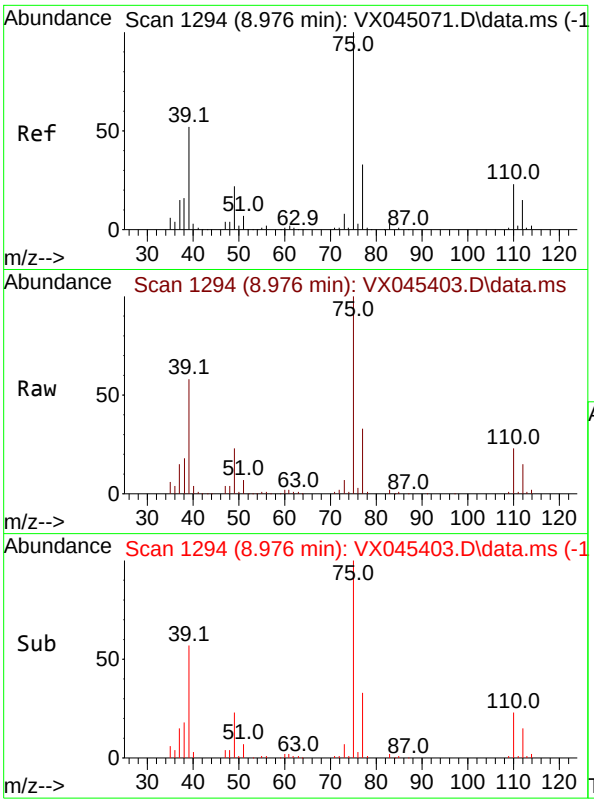


#52
Toluene
Concen: 53.210 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX045403.D
Acq: 24 Mar 2025 10:26

Tgt Ion: 92 Resp: 153991

Ion	Ratio	Lower	Upper
92	100		
91	172.6	138.9	208.3



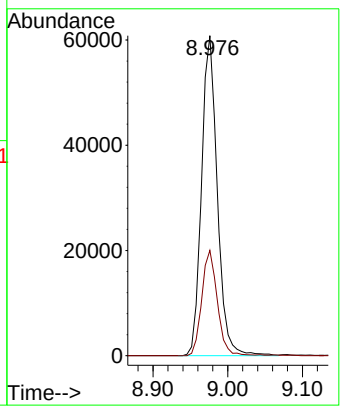


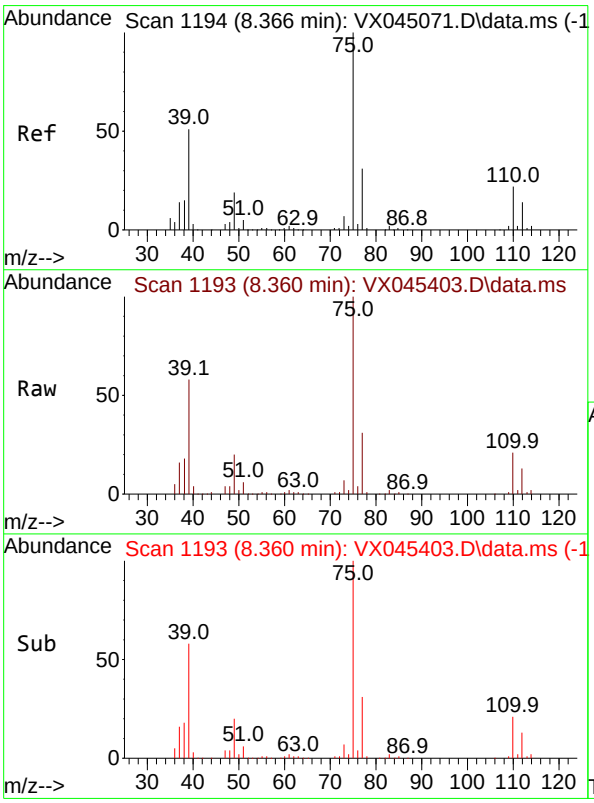
#53
t-1,3-Dichloropropene
Concen: 60.587 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045403.D
Acq: 24 Mar 2025 10:26

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 89057

Ion	Ratio	Lower	Upper
75	100		
77	32.9	26.5	39.7

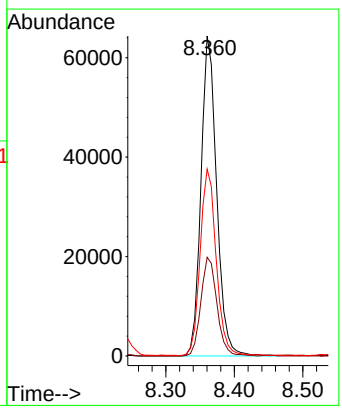


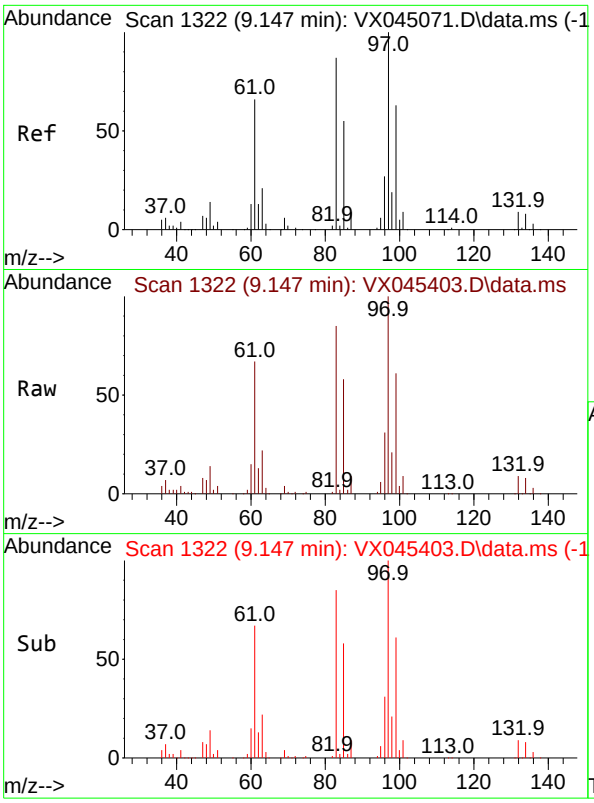


#54
cis-1,3-Dichloropropene
Concen: 59.782 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. -0.006 min
Lab File: VX045403.D
Acq: 24 Mar 2025 10:26

Tgt Ion: 75 Resp: 102470

Ion	Ratio	Lower	Upper
75	100		
77	30.9	24.7	37.1
39	58.3	40.7	61.1



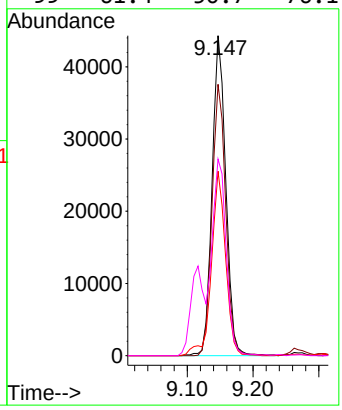


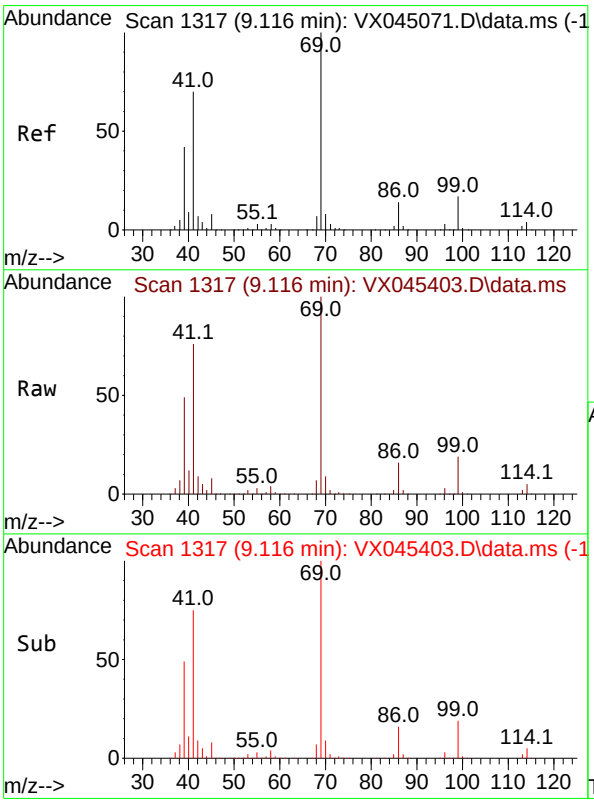
#55
1,1,2-Trichloroethane
Concen: 53.875 ug/l
RT: 9.147 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045403.D
Acq: 24 Mar 2025 10:26

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 97 Resp: 64187

Ion	Ratio	Lower	Upper
97	100		
83	84.8	69.4	104.2
85	57.6	44.1	66.1
99	61.4	50.7	76.1

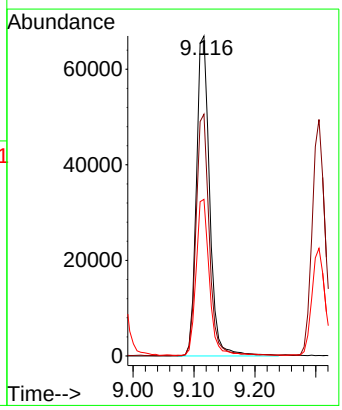


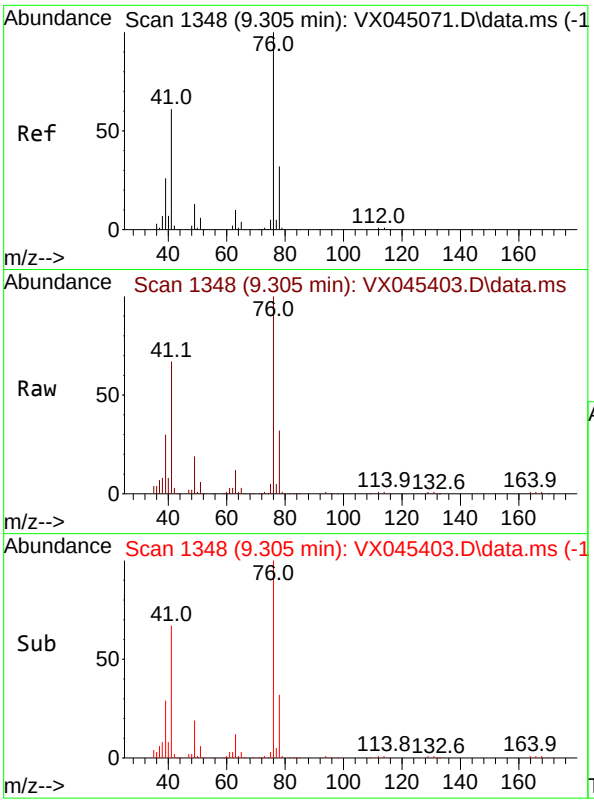


#56
Ethyl methacrylate
Concen: 55.830 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX045403.D
Acq: 24 Mar 2025 10:26

Tgt Ion: 69 Resp: 101110

Ion	Ratio	Lower	Upper
69	100		
41	74.7	57.0	85.4
39	48.9	34.2	51.4



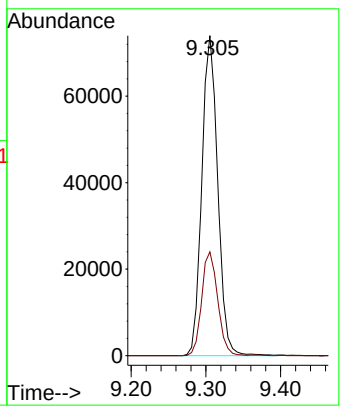


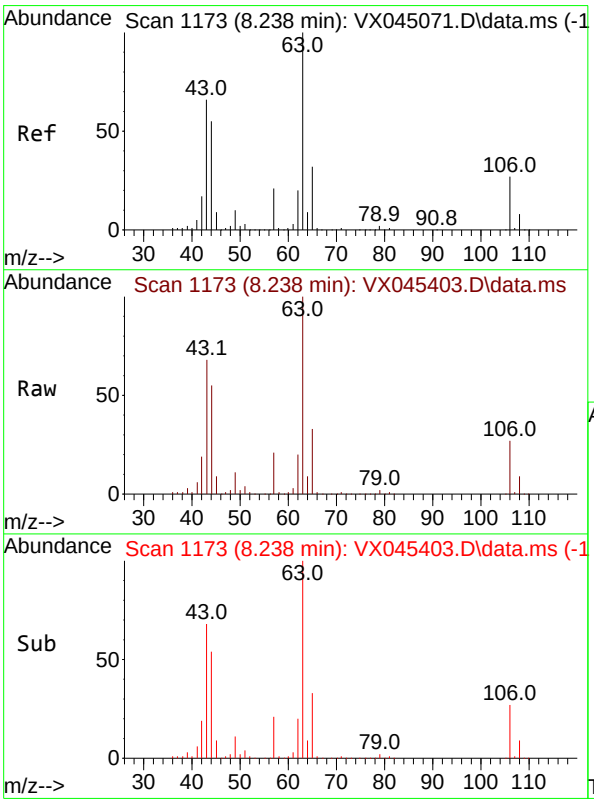
#57
1,3-Dichloropropane
Concen: 53.035 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045403.D
Acq: 24 Mar 2025 10:26

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 109349

Ion	Ratio	Lower	Upper
76	100		
78	32.7	25.5	38.3

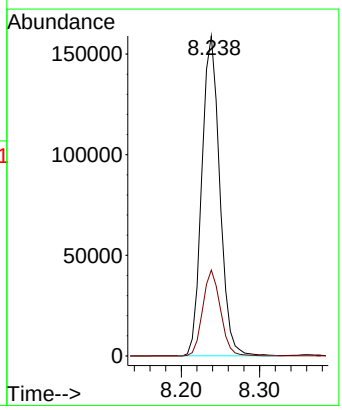


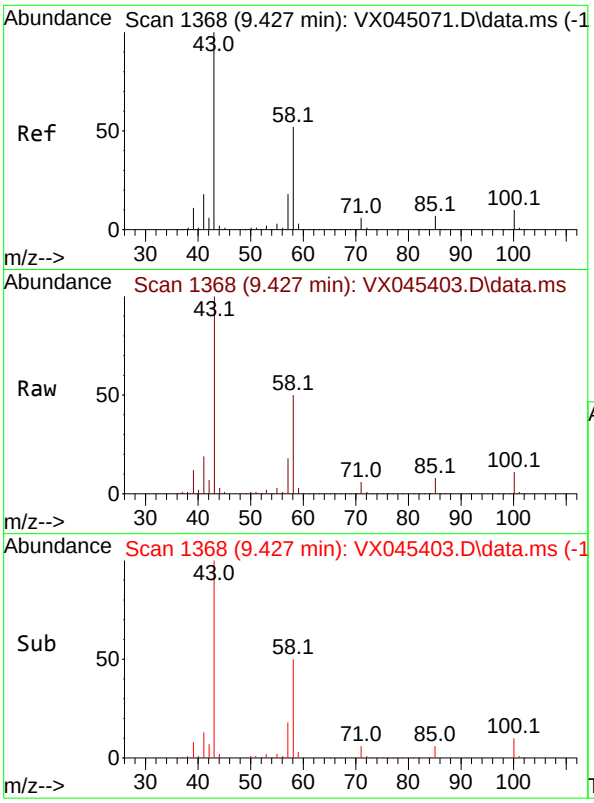


#58
2-Chloroethyl Vinyl ether
Concen: 286.123 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX045403.D
Acq: 24 Mar 2025 10:26

Tgt Ion: 63 Resp: 252770

Ion	Ratio	Lower	Upper
63	100		
106	26.6	21.5	32.3



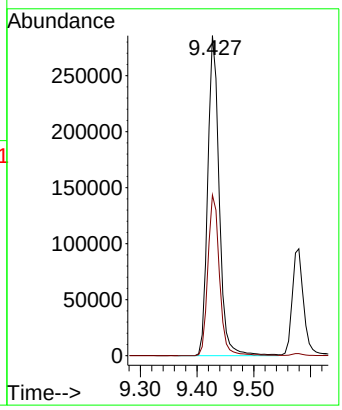


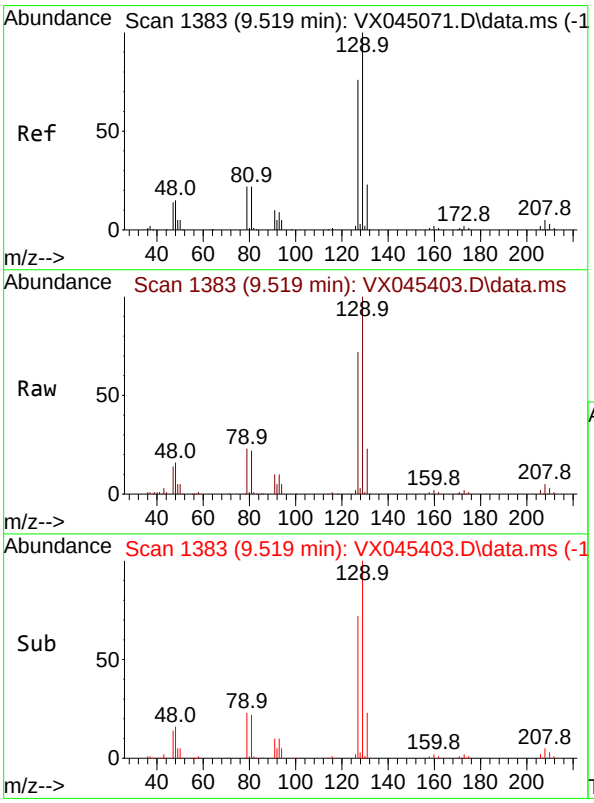
#59
2-Hexanone
Concen: 276.873 ug/l
RT: 9.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045403.D
Acq: 24 Mar 2025 10:26

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 400903

Ion	Ratio	Lower	Upper
43	100		
58	50.8	25.9	77.6

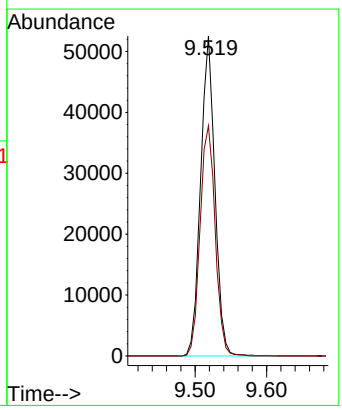


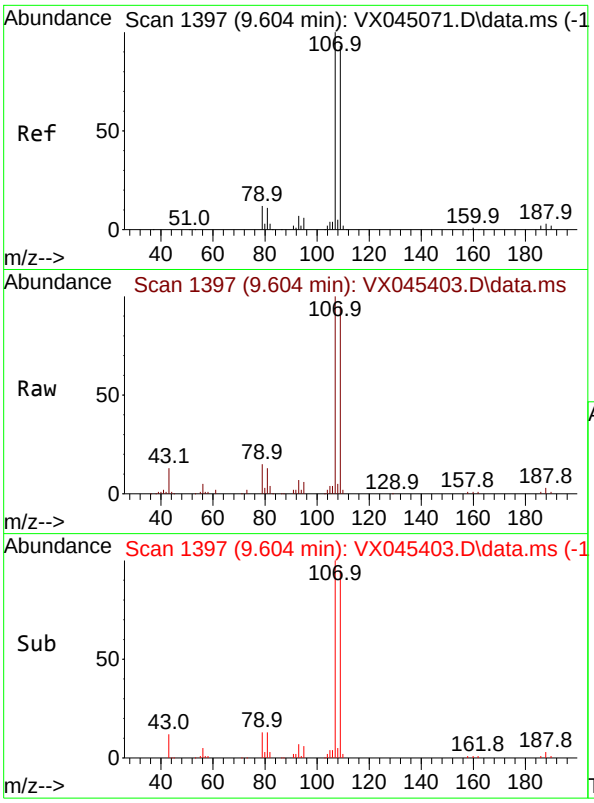


#60
Dibromochloromethane
Concen: 58.480 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX045403.D
Acq: 24 Mar 2025 10:26

Tgt Ion:129 Resp: 72850

Ion	Ratio	Lower	Upper
129	100		
127	76.1	38.5	115.5



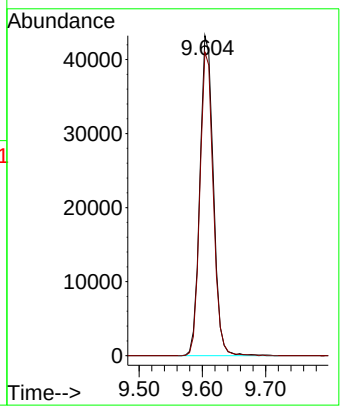


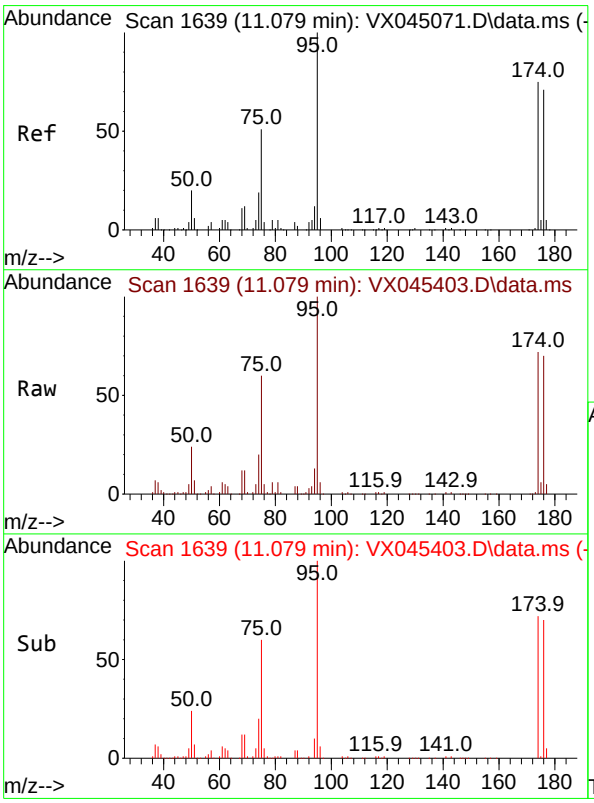
#61
1,2-Dibromoethane
Concen: 53.921 ug/l
RT: 9.604 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045403.D
Acq: 24 Mar 2025 10:26

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:107 Resp: 64133

Ion	Ratio	Lower	Upper
107	100		
109	94.0	76.1	114.1

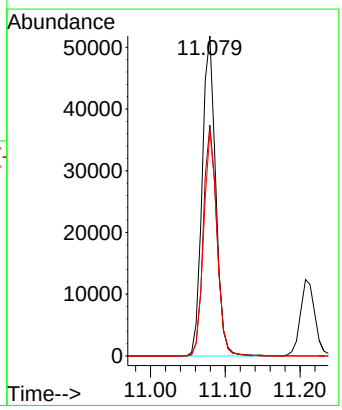


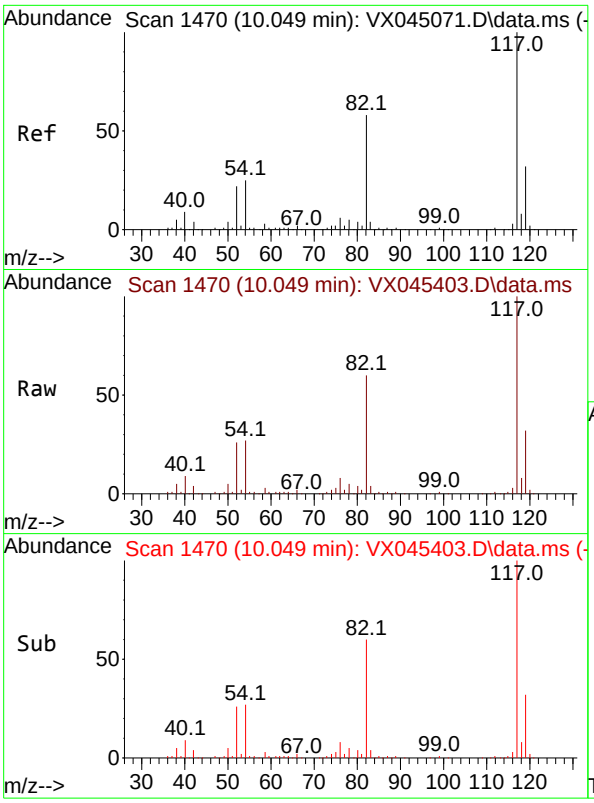


#62
4-Bromofluorobenzene
Concen: 47.783 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045403.D
Acq: 24 Mar 2025 10:26

Tgt Ion: 95 Resp: 65383

Ion	Ratio	Lower	Upper
95	100		
174	71.6	0.0	148.2
176	68.8	0.0	141.4



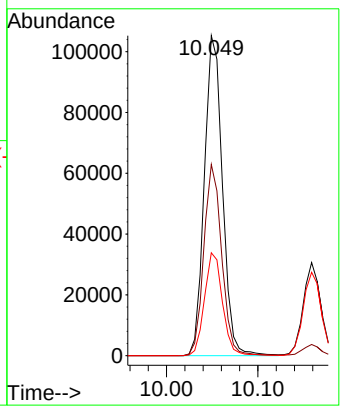


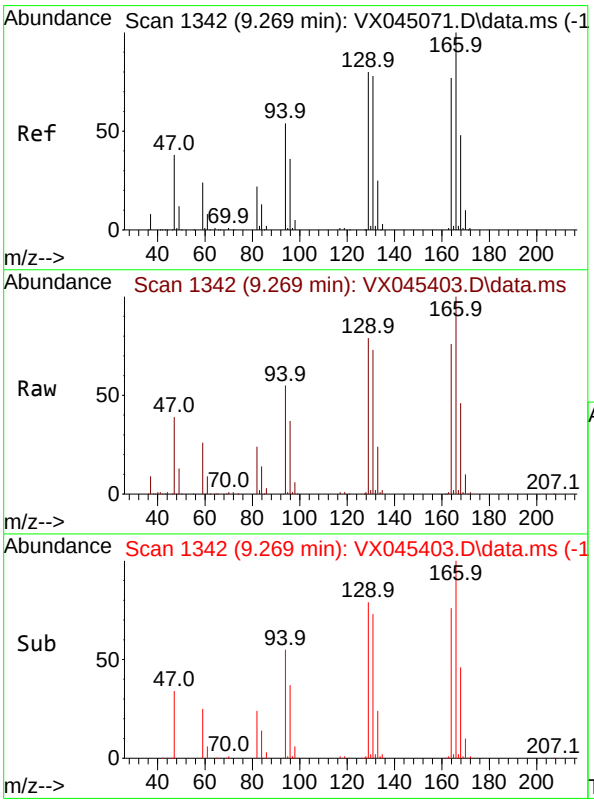
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045403.D
Acq: 24 Mar 2025 10:26

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:117 Resp: 144708

Ion	Ratio	Lower	Upper
117	100		
82	59.8	46.3	69.5
119	32.2	25.7	38.5

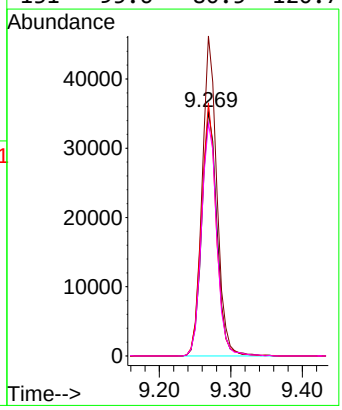


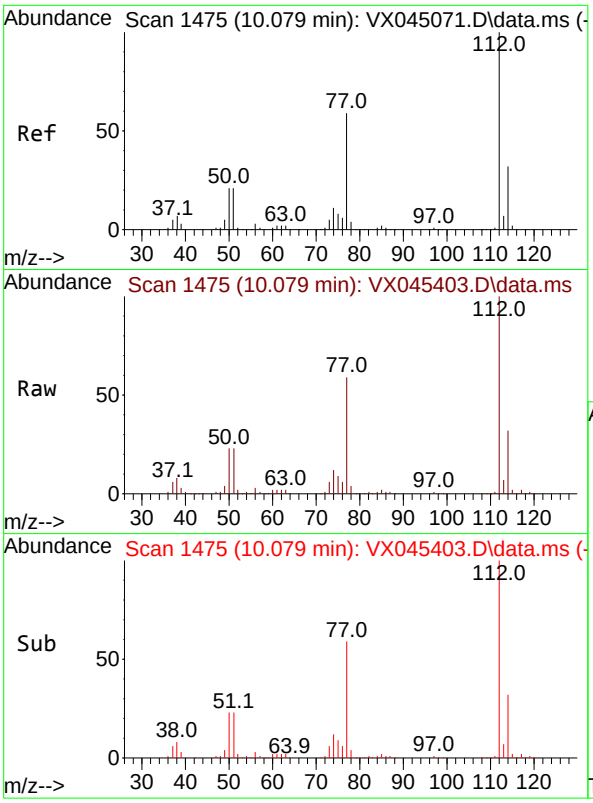


#64
Tetrachloroethene
Concen: 56.216 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX045403.D
Acq: 24 Mar 2025 10:26

Tgt Ion:164 Resp: 52101

Ion	Ratio	Lower	Upper
164	100		
166	131.4	103.6	155.4
129	103.9	82.7	124.1
131	95.6	80.5	120.7



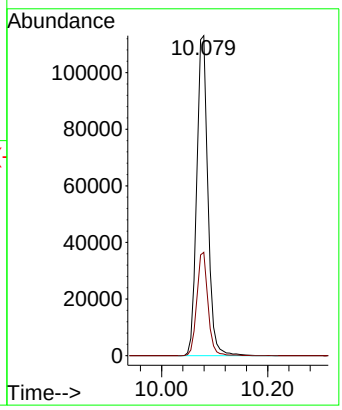


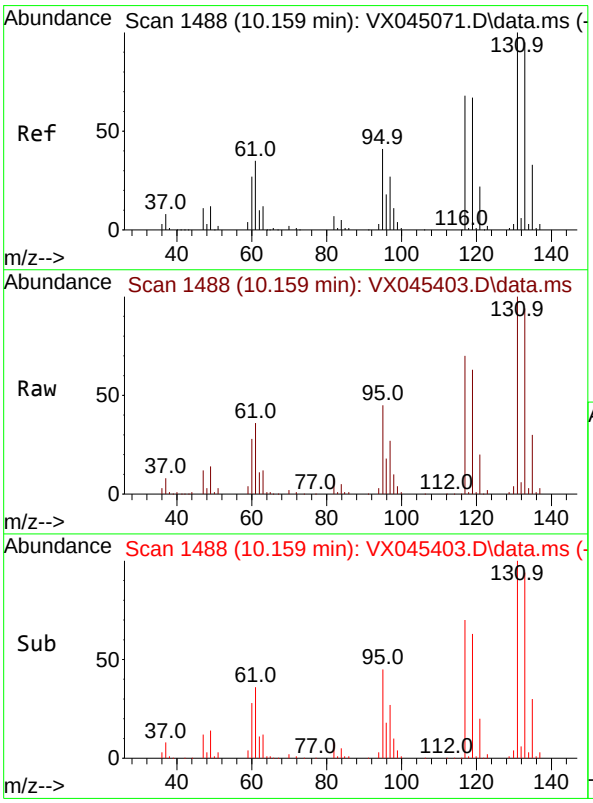
#65
Chlorobenzene
Concen: 54.012 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045403.D
Acq: 24 Mar 2025 10:26

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:112 Resp: 165385

Ion	Ratio	Lower	Upper
112	100		
114	32.3	26.0	39.0

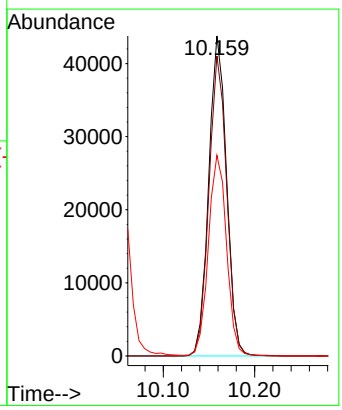


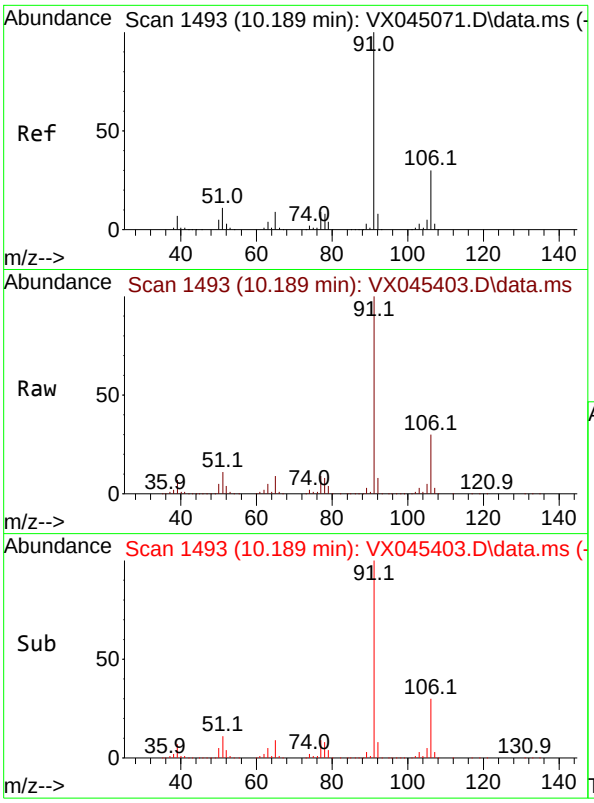


#66
1,1,1,2-Tetrachloroethane
Concen: 57.988 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX045403.D
Acq: 24 Mar 2025 10:26

Tgt Ion:131 Resp: 59131

Ion	Ratio	Lower	Upper
131	100		
133	93.8	48.6	145.9
119	64.1	33.9	101.7



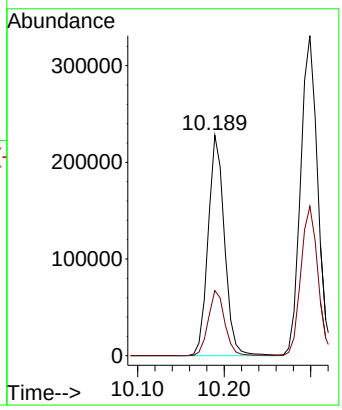


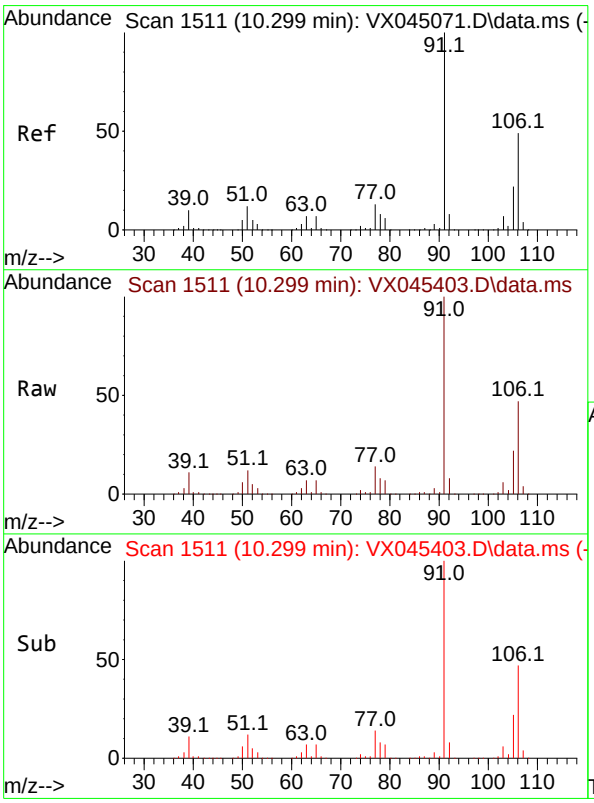
#67
Ethyl Benzene
Concen: 56.103 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045403.D
Acq: 24 Mar 2025 10:26

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 299330

Ion	Ratio	Lower	Upper
91	100		
106	29.5	23.9	35.9

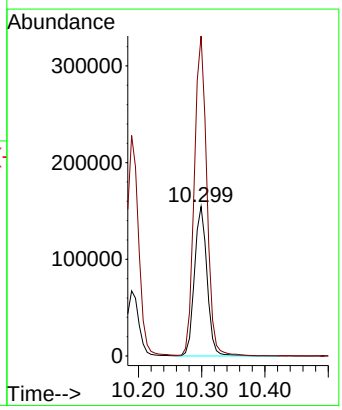


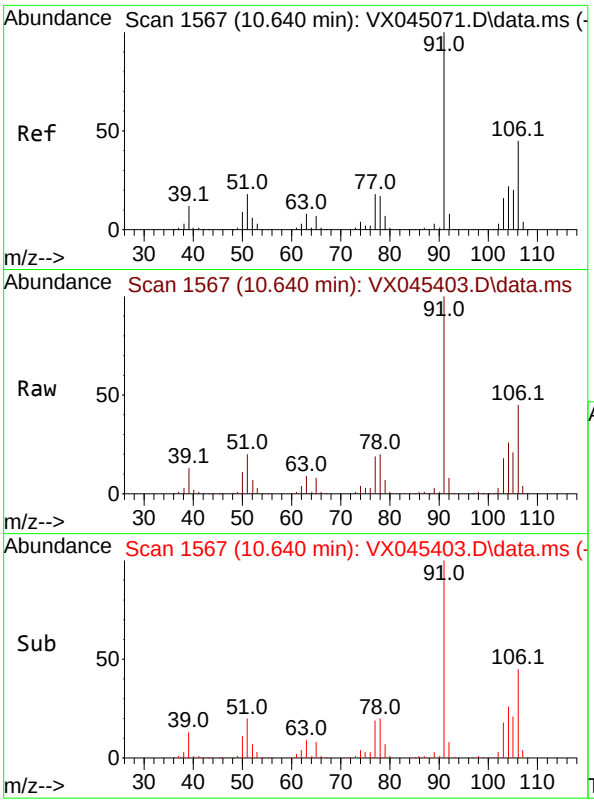


#68
m/p-Xylenes
Concen: 109.407 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX045403.D
Acq: 24 Mar 2025 10:26

Tgt Ion:106 Resp: 213687

Ion	Ratio	Lower	Upper
106	100		
91	213.6	165.4	248.0



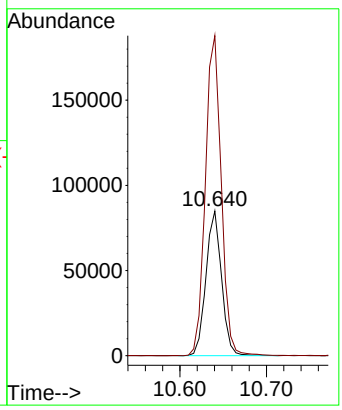


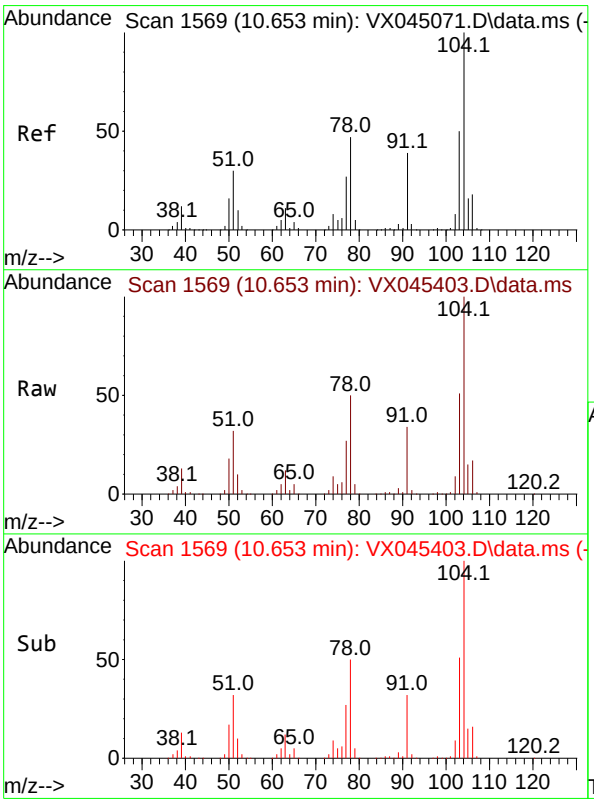
#69
o-Xylene
Concen: 53.945 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045403.D
Acq: 24 Mar 2025 10:26

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:106 Resp: 106263

Ion	Ratio	Lower	Upper
106	100		
91	225.3	109.9	329.6

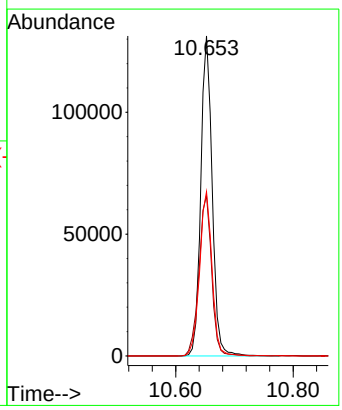


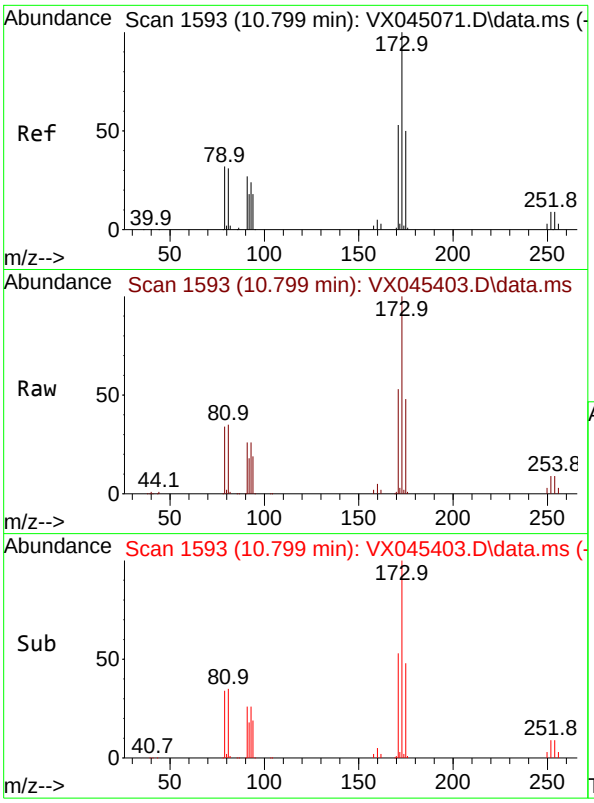


#70
Styrene
Concen: 55.422 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX045403.D
Acq: 24 Mar 2025 10:26

Tgt Ion:104 Resp: 176650

Ion	Ratio	Lower	Upper
104	100		
78	56.1	42.2	63.4
103	56.3	43.8	65.8



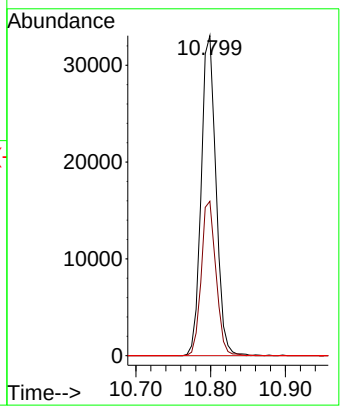


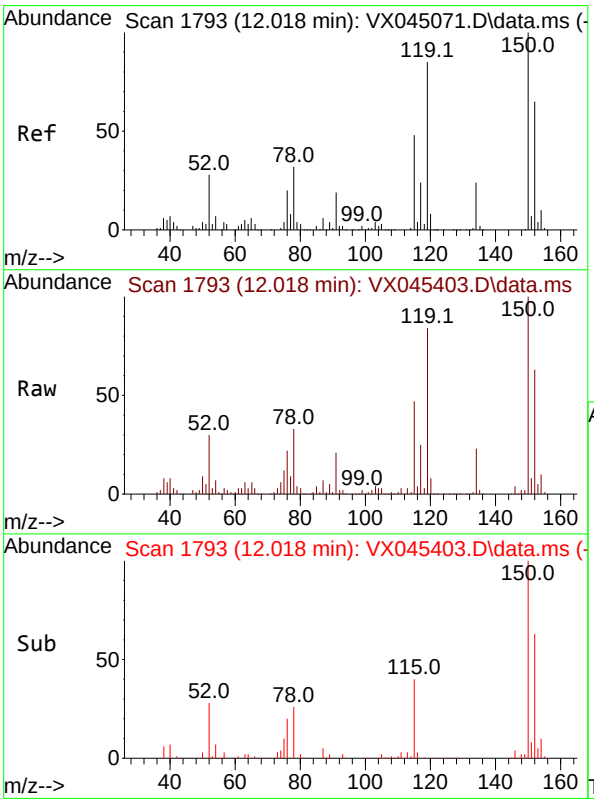
#71
Bromoform
Concen: 59.086 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045403.D
Acq: 24 Mar 2025 10:26

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:173 Resp: 45434

Ion	Ratio	Lower	Upper
173	100		
175	48.0	24.6	73.6
254	0.0	0.0	0.0

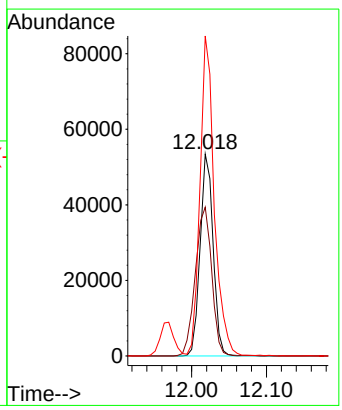


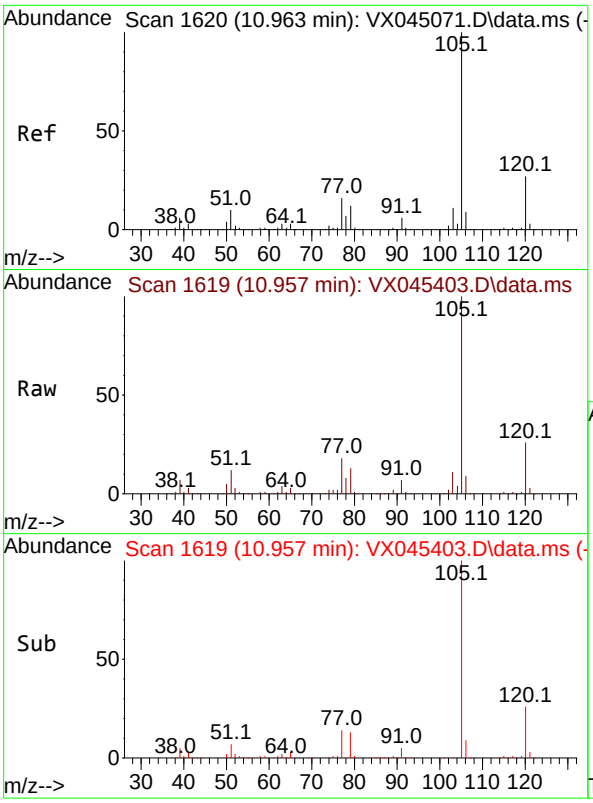


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045403.D
Acq: 24 Mar 2025 10:26

Tgt Ion:152 Resp: 64628

Ion	Ratio	Lower	Upper
152	100		
115	92.6	44.2	132.6
150	172.9	0.0	349.0



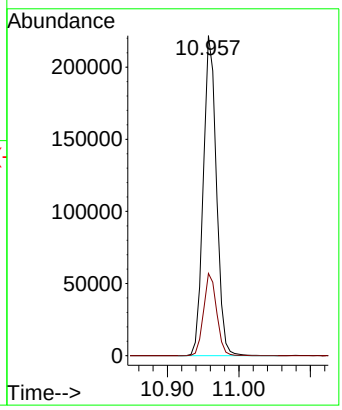


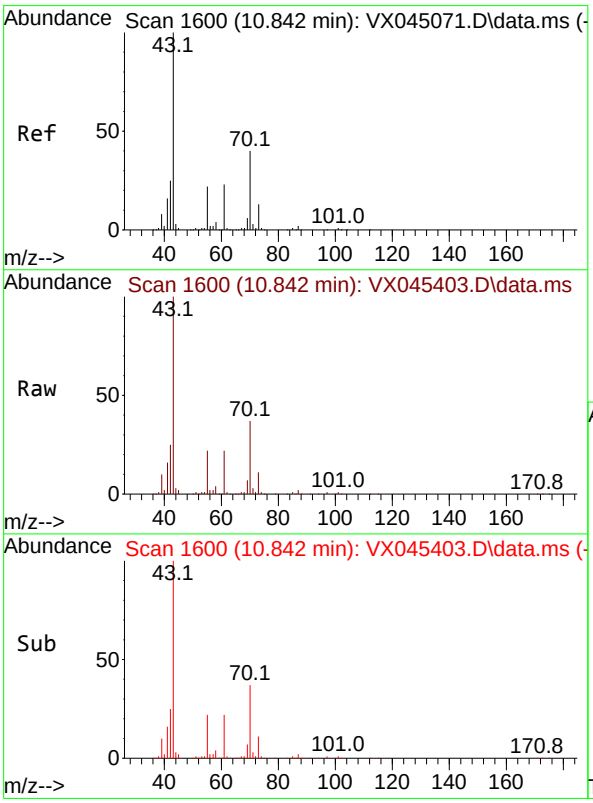
#73
Isopropylbenzene
Concen: 56.200 ug/l
RT: 10.957 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045403.D
Acq: 24 Mar 2025 10:26

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:105 Resp: 283497

Ion	Ratio	Lower	Upper
105	100		
120	25.6	13.2	39.5

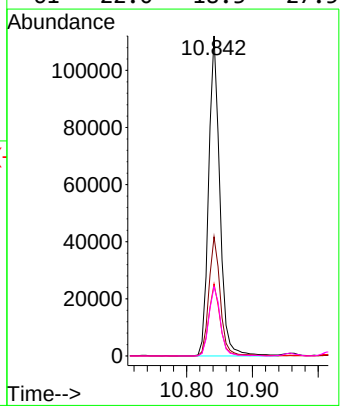


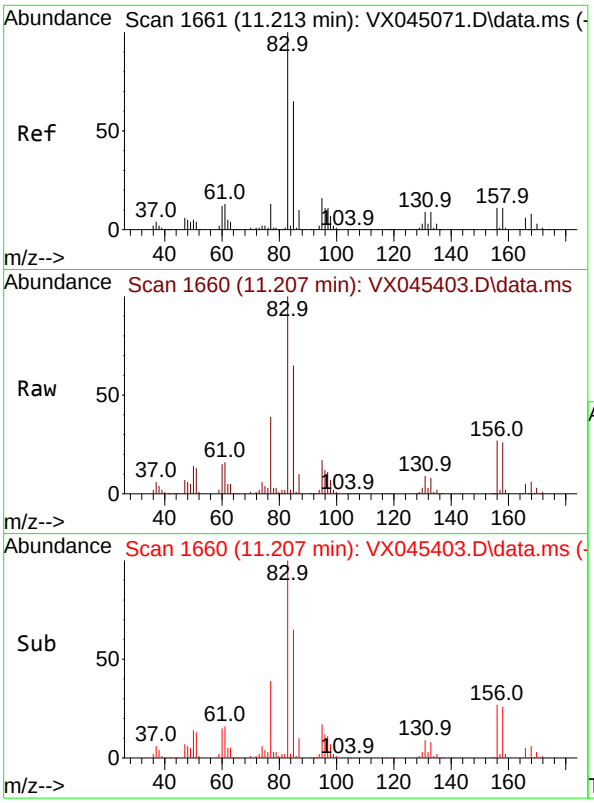


#74
N-amyl acetate
Concen: 56.106 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX045403.D
Acq: 24 Mar 2025 10:26

Tgt Ion: 43 Resp: 132802

Ion	Ratio	Lower	Upper
43	100		
70	37.9	31.8	47.6
55	22.9	18.3	27.5
61	22.0	18.3	27.5



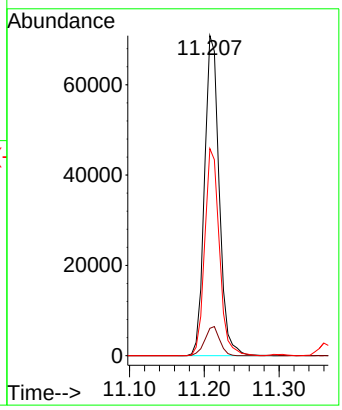


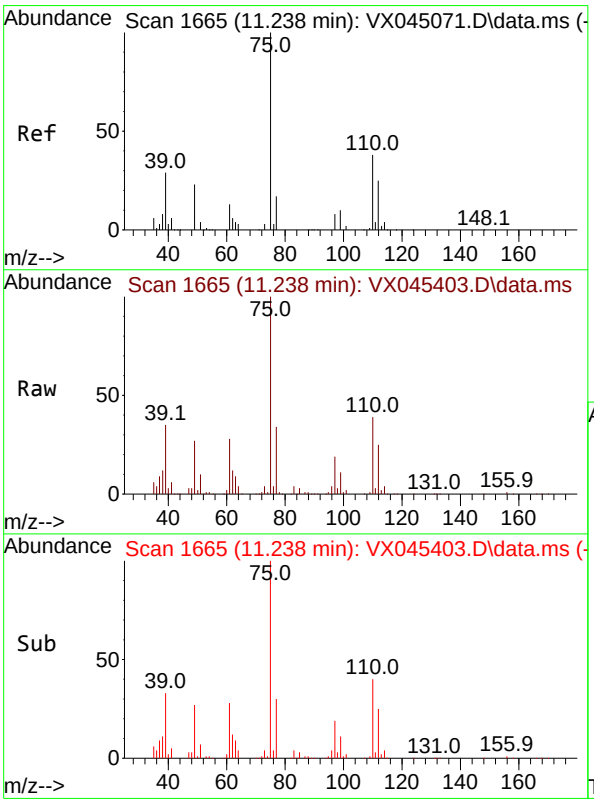
#75
1,1,2,2-Tetrachloroethane
Concen: 52.104 ug/l
RT: 11.207 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045403.D
Acq: 24 Mar 2025 10:26

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 96450

Ion	Ratio	Lower	Upper
83	100		
131	9.3	4.5	13.4
85	64.6	31.7	95.1

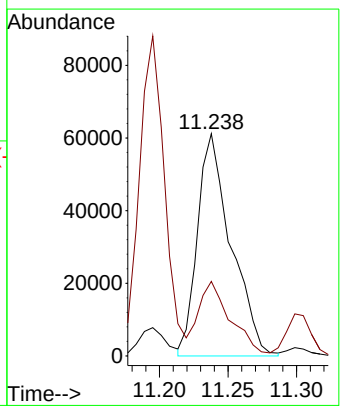


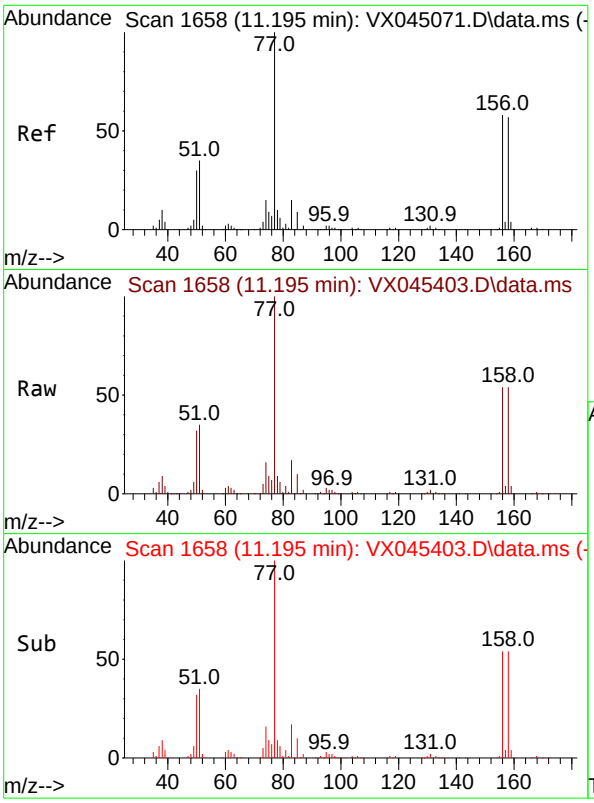


#76
1,2,3-Trichloropropane
Concen: 69.437 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX045403.D
Acq: 24 Mar 2025 10:26

Tgt Ion: 75 Resp: 104448

Ion	Ratio	Lower	Upper
75	100		
77	32.1	20.7	62.1



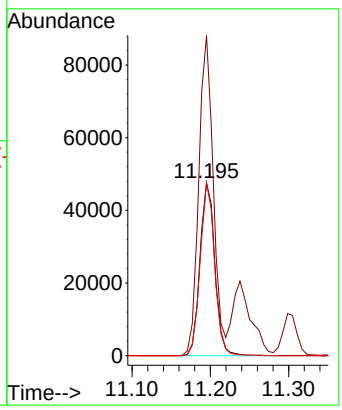


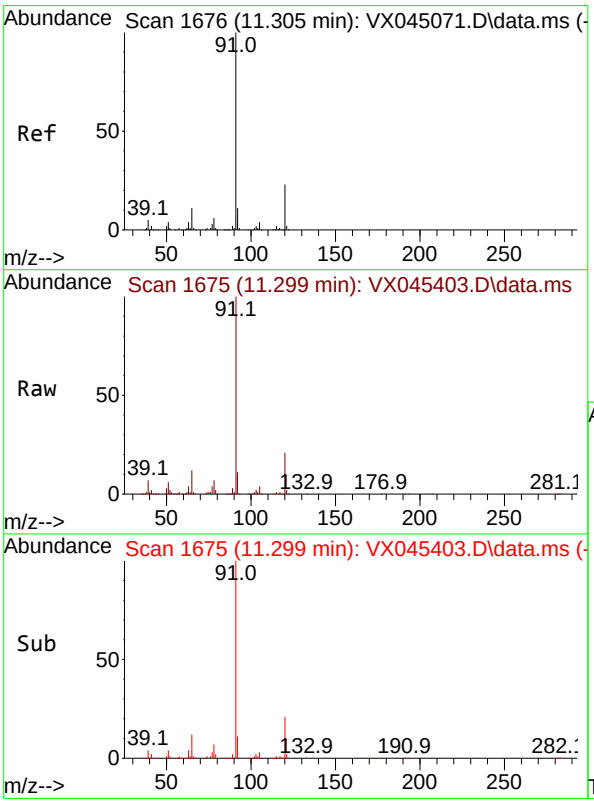
#77
Bromobenzene
Concen: 52.766 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045403.D
Acq: 24 Mar 2025 10:26

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:156 Resp: 62802

Ion	Ratio	Lower	Upper
156	100		
77	180.8	85.8	257.4
158	96.5	48.4	145.2

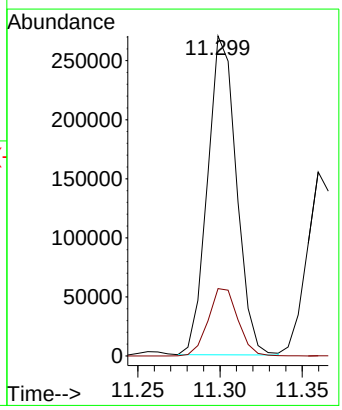


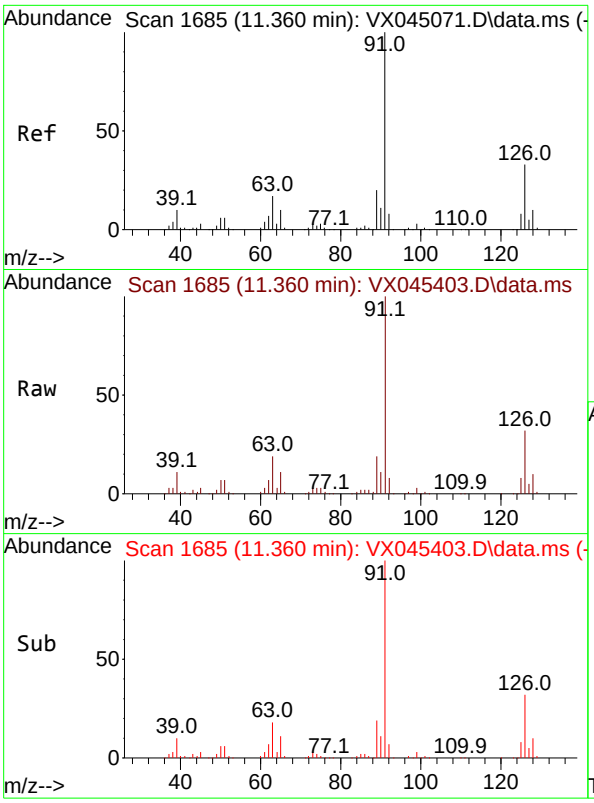


#78
n-propylbenzene
Concen: 57.979 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. -0.006 min
Lab File: VX045403.D
Acq: 24 Mar 2025 10:26

Tgt Ion: 91 Resp: 330384

Ion	Ratio	Lower	Upper
91	100		
120	21.7	11.2	33.6



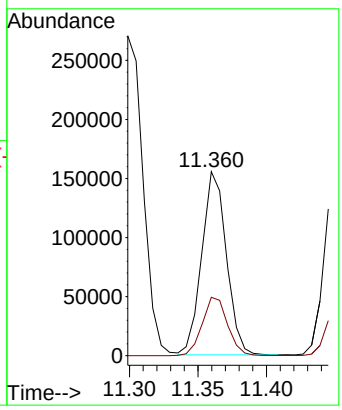


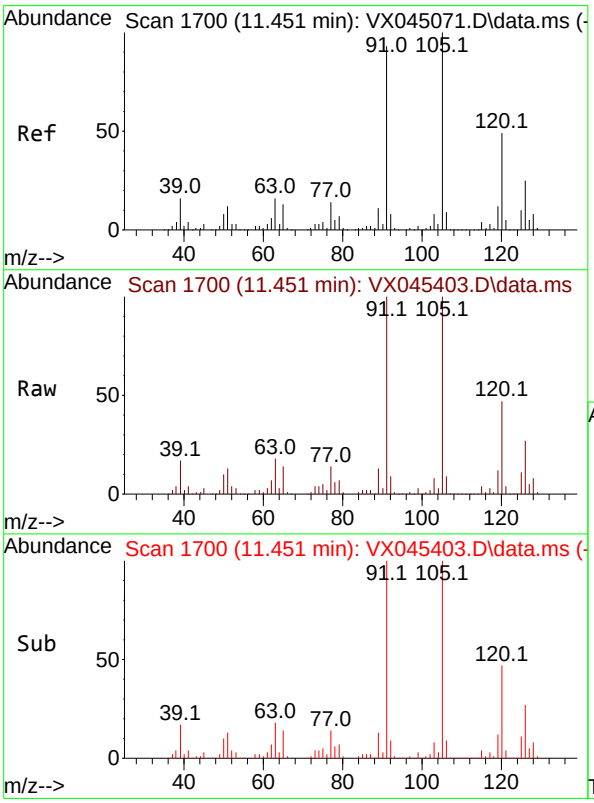
#79
2-Chlorotoluene
Concen: 53.714 ug/l
RT: 11.360 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045403.D
Acq: 24 Mar 2025 10:26

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 194929

Ion	Ratio	Lower	Upper
91	100		
126	32.8	16.4	49.4

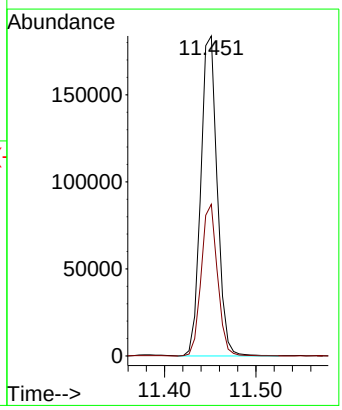


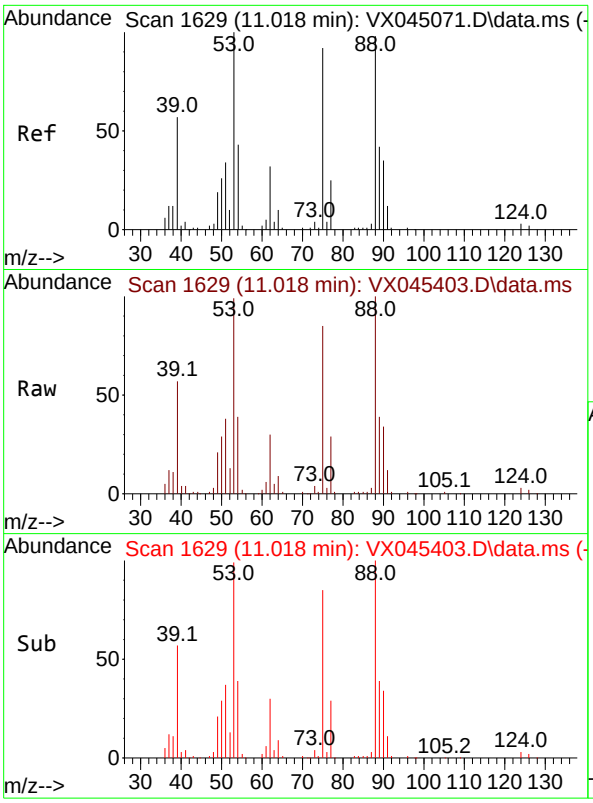


#80
1,3,5-Trimethylbenzene
Concen: 56.168 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045403.D
Acq: 24 Mar 2025 10:26

Tgt Ion:105 Resp: 229097

Ion	Ratio	Lower	Upper
105	100		
120	46.9	24.1	72.2



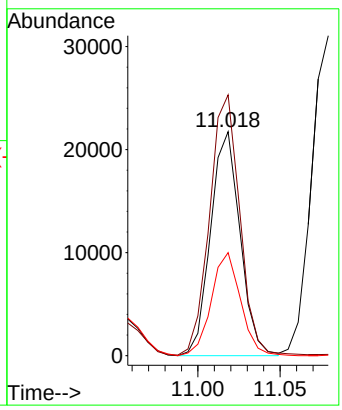


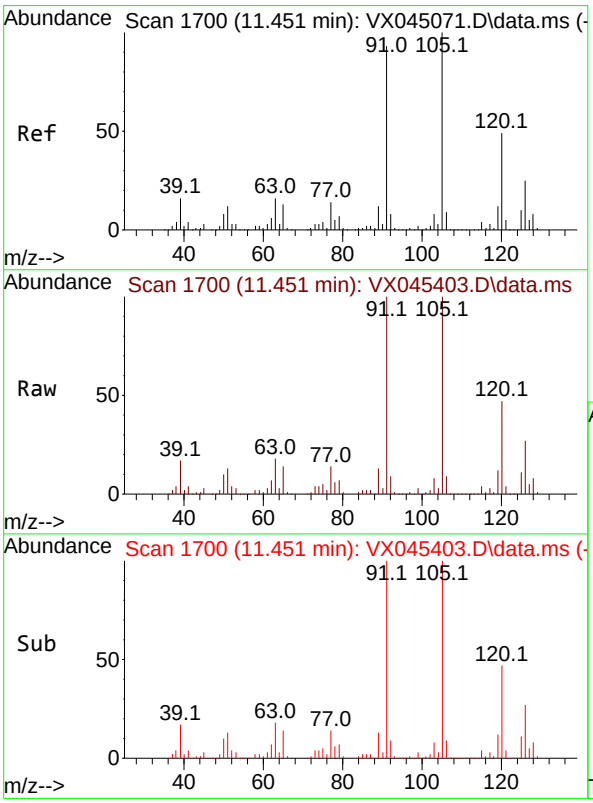
#81
trans-1,4-Dichloro-2-butene
Concen: 61.668 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045403.D
Acq: 24 Mar 2025 10:26

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 27106

Ion	Ratio	Lower	Upper
75	100		
53	120.0	88.5	132.7
89	45.6	36.2	54.4

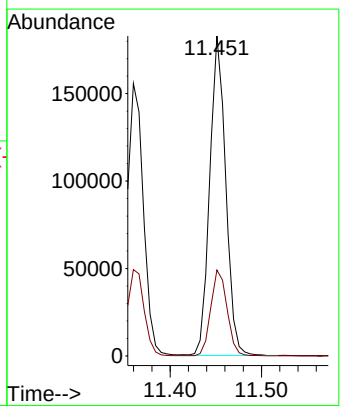


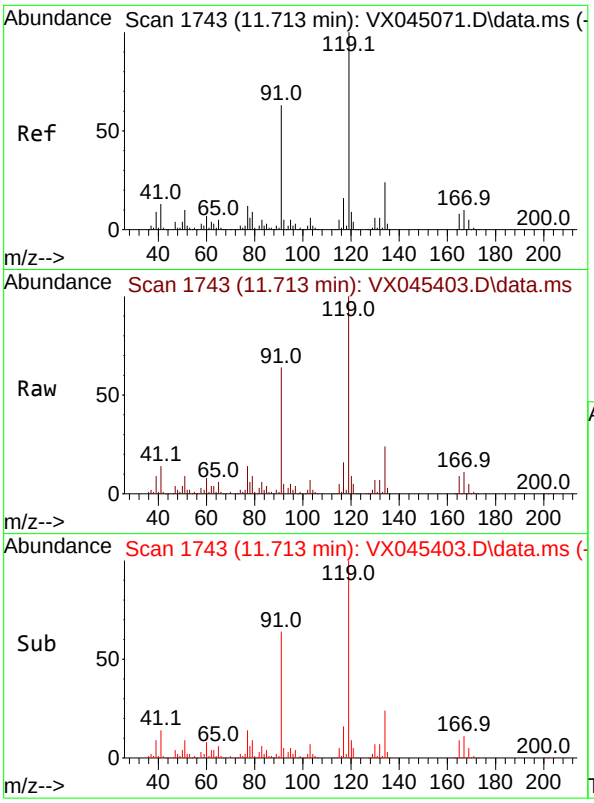


#82
4-Chlorotoluene
Concen: 56.066 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045403.D
Acq: 24 Mar 2025 10:26

Tgt Ion: 91 Resp: 221752

Ion	Ratio	Lower	Upper
91	100		
126	27.6	14.1	42.4



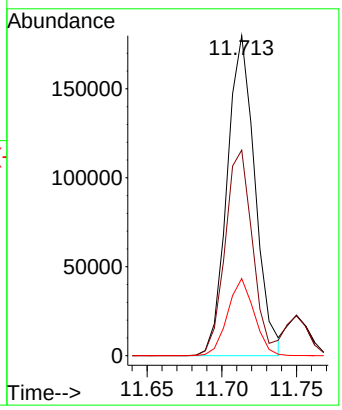


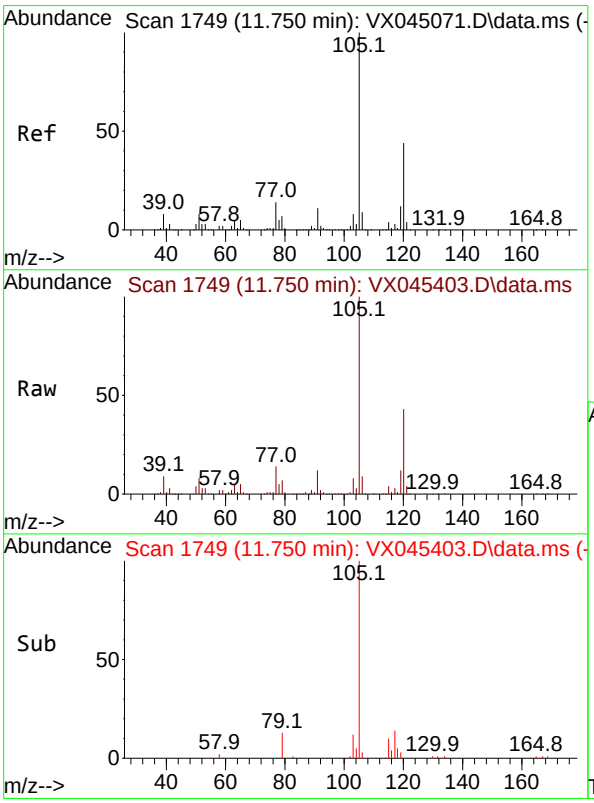
#83
tert-Butylbenzene
Concen: 55.618 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045403.D
Acq: 24 Mar 2025 10:26

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:119 Resp: 233086

Ion	Ratio	Lower	Upper
119	100		
91	62.7	30.7	92.1
134	22.9	11.7	35.0

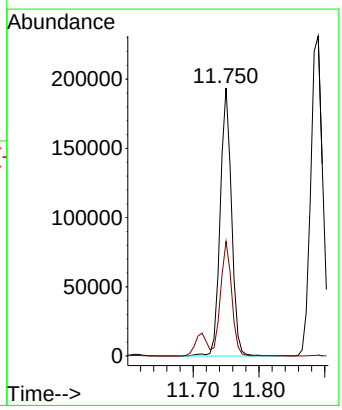


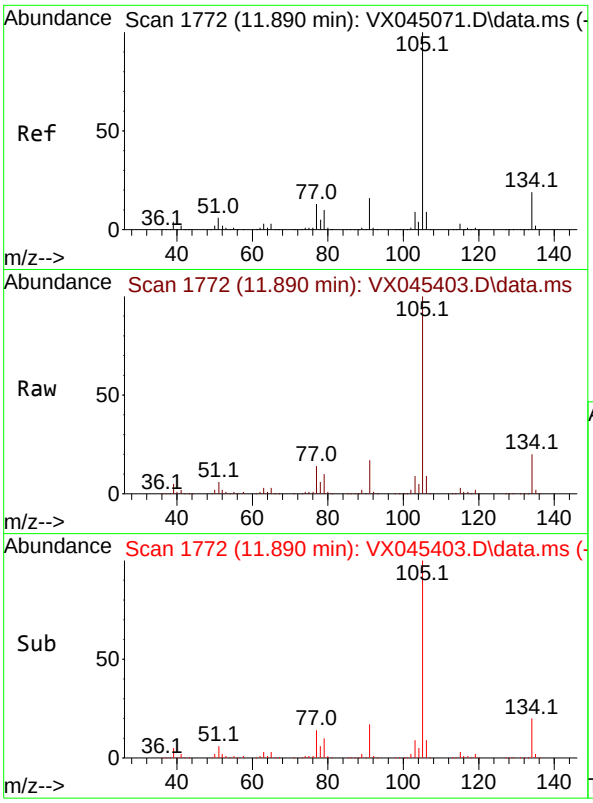


#84
1,2,4-Trimethylbenzene
Concen: 56.359 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX045403.D
Acq: 24 Mar 2025 10:26

Tgt Ion:105 Resp: 231302

Ion	Ratio	Lower	Upper
105	100		
120	42.2	22.1	66.1



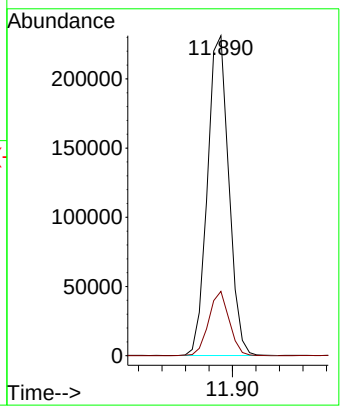


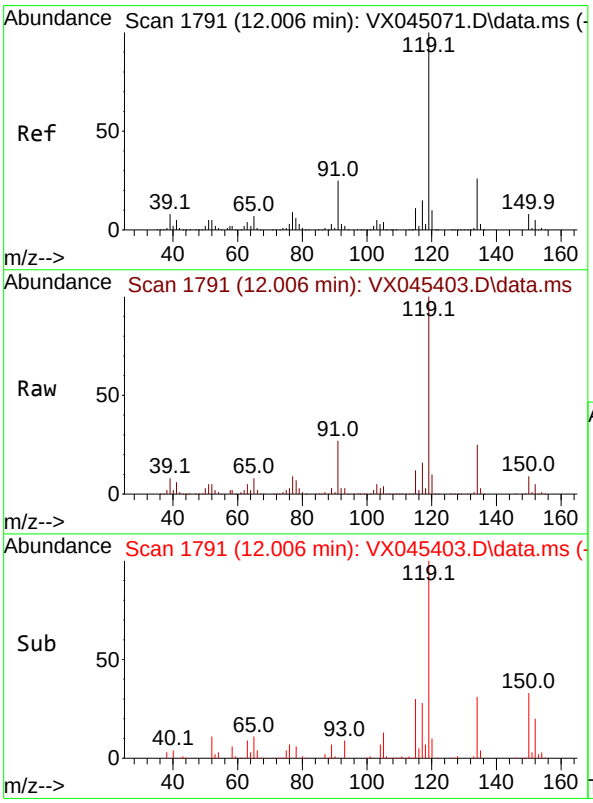
#85
sec-Butylbenzene
Concen: 58.220 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045403.D
Acq: 24 Mar 2025 10:26

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:105 Resp: 292270

Ion	Ratio	Lower	Upper
105	100		
134	19.4	9.8	29.4

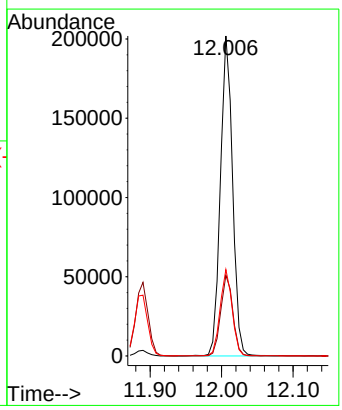


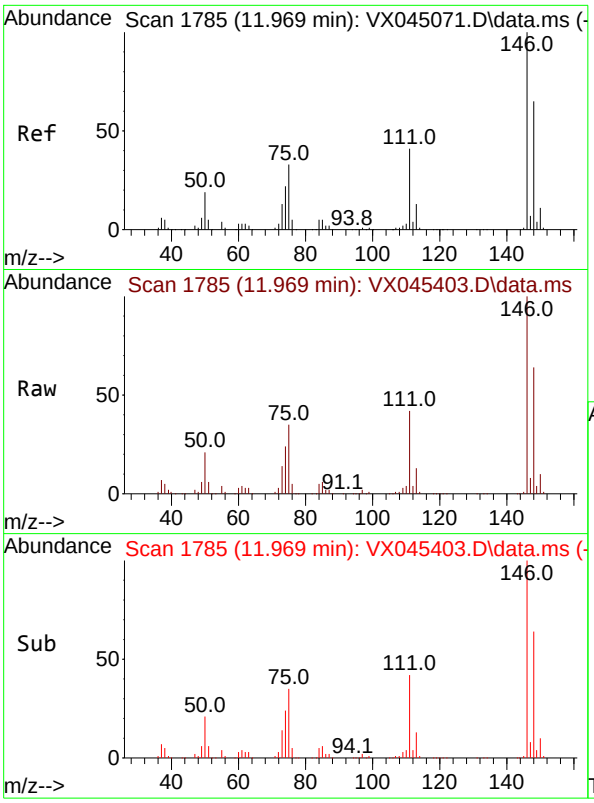


#86
p-Isopropyltoluene
Concen: 58.755 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX045403.D
Acq: 24 Mar 2025 10:26

Tgt Ion:119 Resp: 238364

Ion	Ratio	Lower	Upper
119	100		
134	25.2	12.9	38.6
91	26.4	12.7	38.0



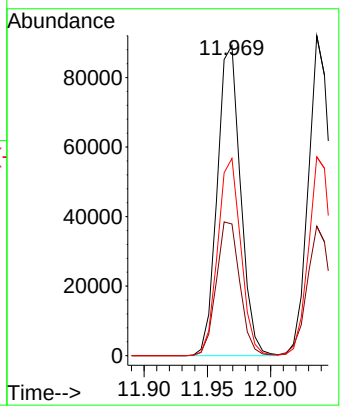


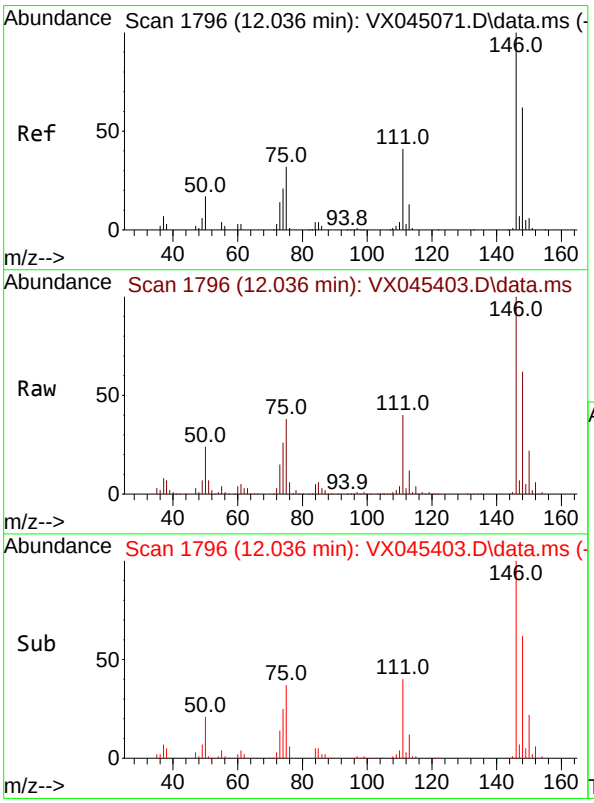
#87
1,3-Dichlorobenzene
Concen: 53.780 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045403.D
Acq: 24 Mar 2025 10:26

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:146 Resp: 114188

Ion	Ratio	Lower	Upper
146	100		
111	43.7	21.1	63.4
148	63.1	31.9	95.7

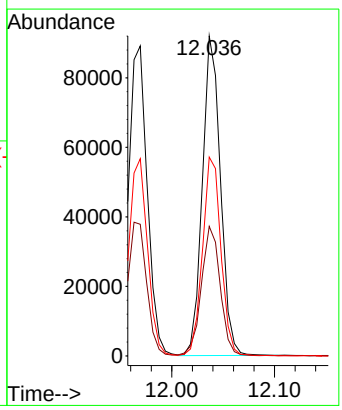


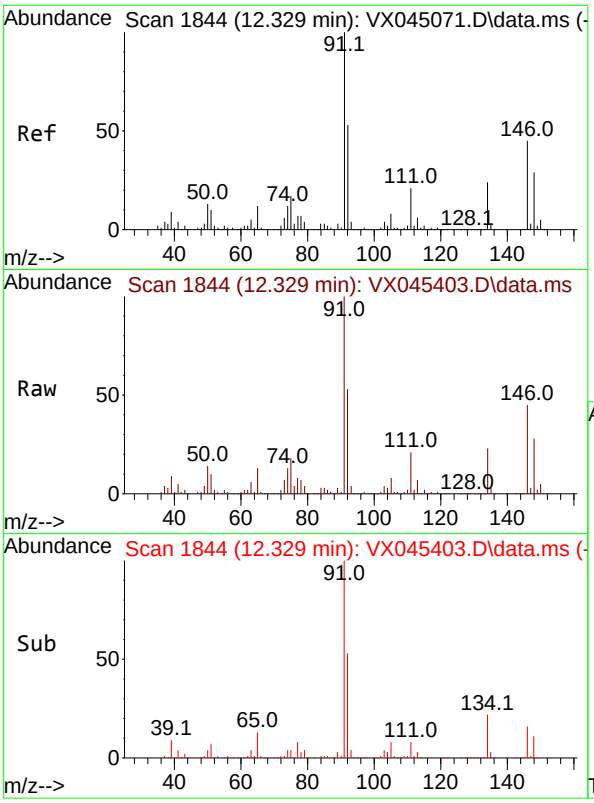


#88
1,4-Dichlorobenzene
Concen: 52.415 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. -0.000 min
Lab File: VX045403.D
Acq: 24 Mar 2025 10:26

Tgt Ion:146 Resp: 112591

Ion	Ratio	Lower	Upper
146	100		
111	42.2	20.2	60.5
148	63.7	31.9	95.9



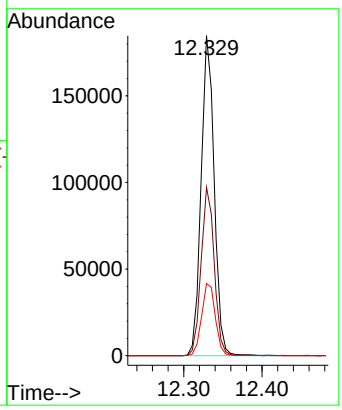


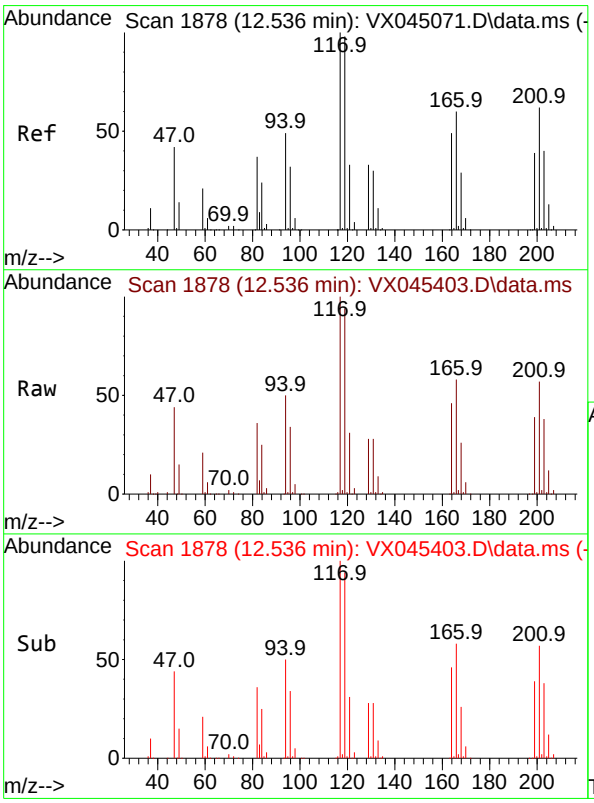
#89
n-Butylbenzene
Concen: 61.287 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045403.D
Acq: 24 Mar 2025 10:26

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 214146

Ion	Ratio	Lower	Upper
91	100		
92	53.1	26.7	80.0
134	23.7	12.2	36.6

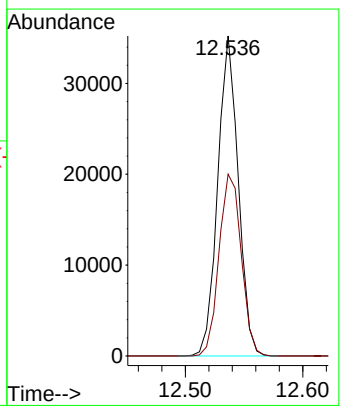


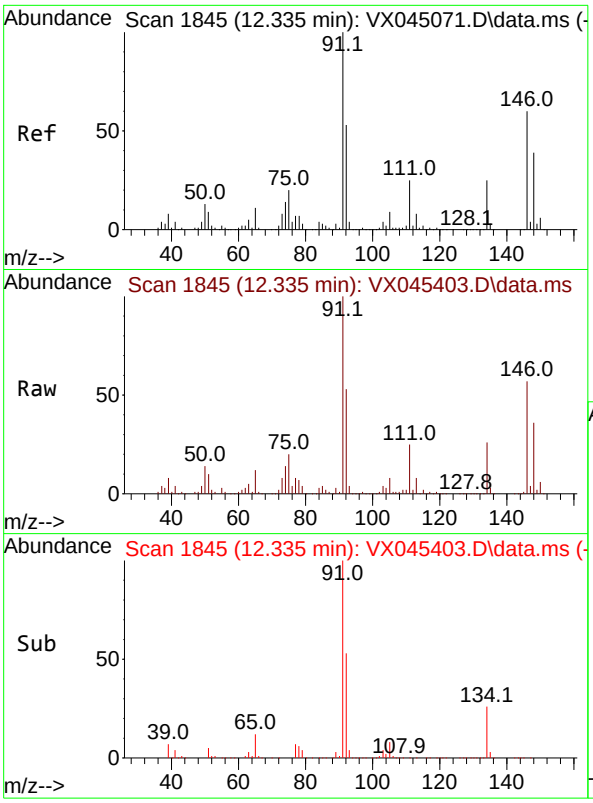


#90
Hexachloroethane
Concen: 58.191 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX045403.D
Acq: 24 Mar 2025 10:26

Tgt Ion:117 Resp: 42701

Ion	Ratio	Lower	Upper
117	100		
201	61.6	31.9	95.9



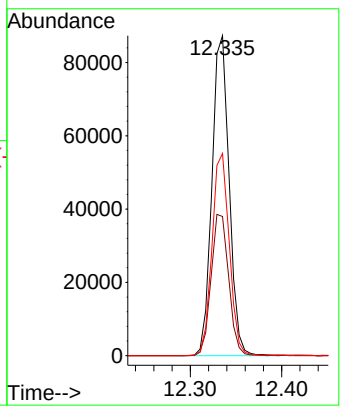


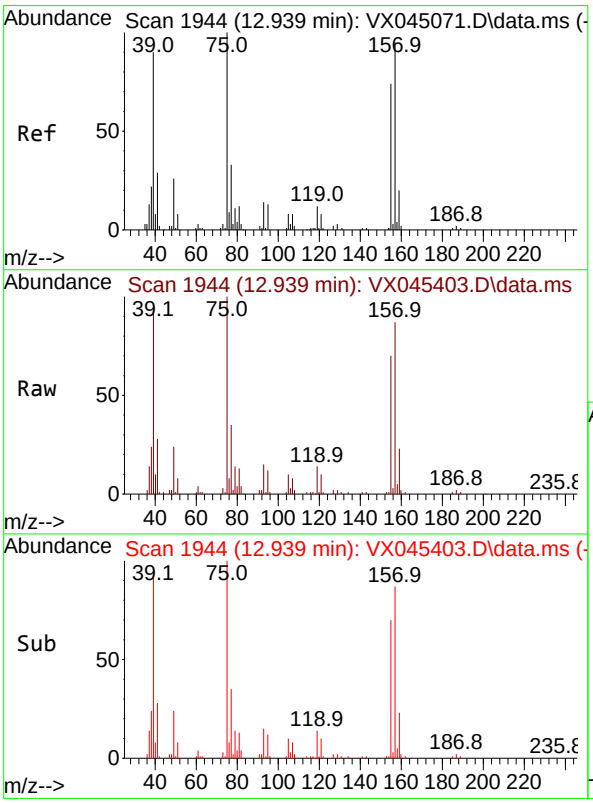
#91
1,2-Dichlorobenzene
Concen: 53.474 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045403.D
Acq: 24 Mar 2025 10:26

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:146 Resp: 113894

Ion	Ratio	Lower	Upper
146	100		
111	45.2	21.6	65.0
148	63.6	31.9	95.9

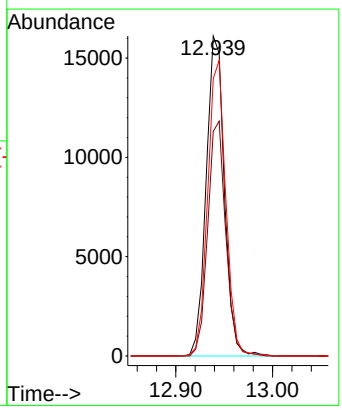


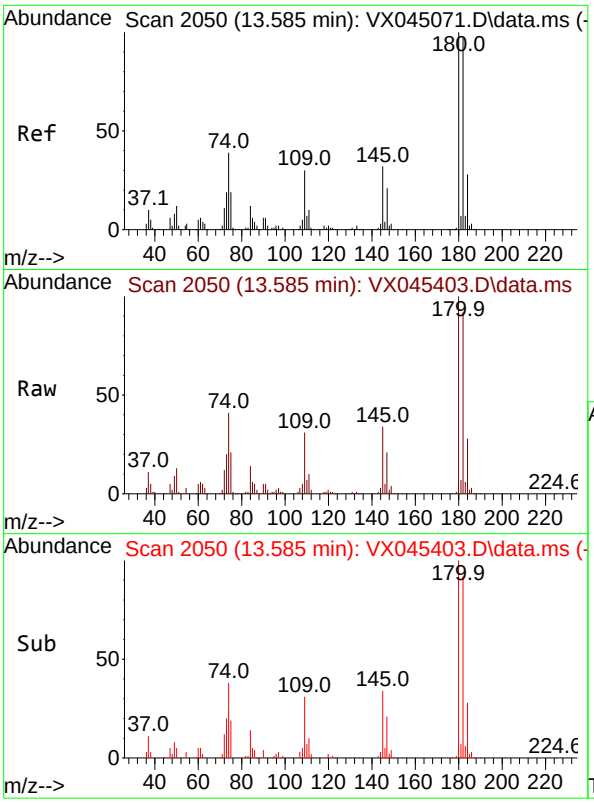


#92
1,2-Dibromo-3-Chloropropane
Concen: 58.606 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX045403.D
Acq: 24 Mar 2025 10:26

Tgt Ion: 75 Resp: 21135

Ion	Ratio	Lower	Upper
75	100		
155	72.4	39.6	118.7
157	91.5	51.1	153.4



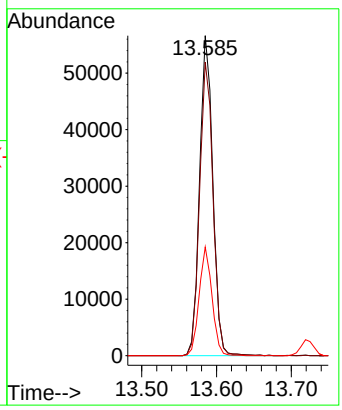


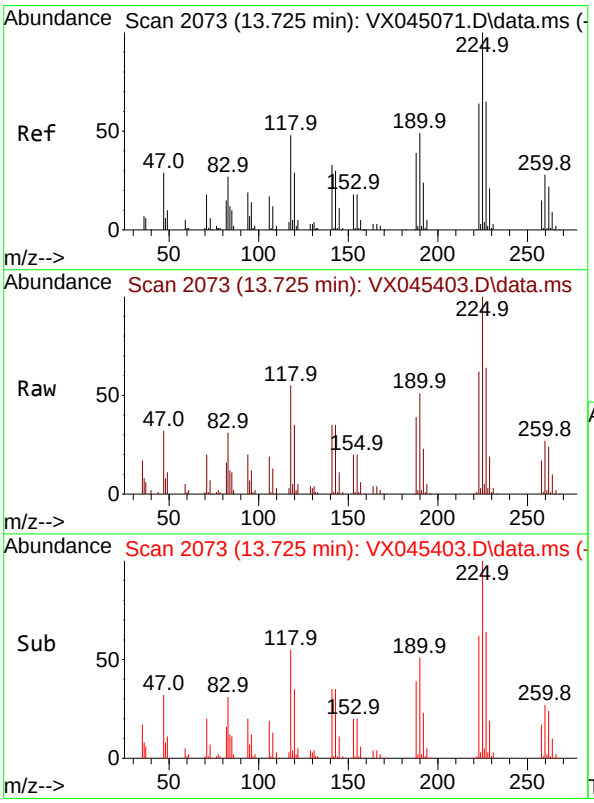
#93
1,2,4-Trichlorobenzene
Concen: 57.160 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045403.D
Acq: 24 Mar 2025 10:26

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:180 Resp: 69323

Ion	Ratio	Lower	Upper
180	100		
182	93.4	47.3	141.9
145	33.2	16.3	48.9

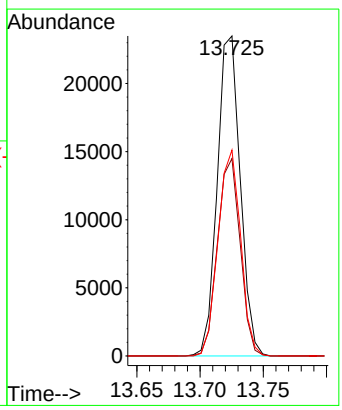


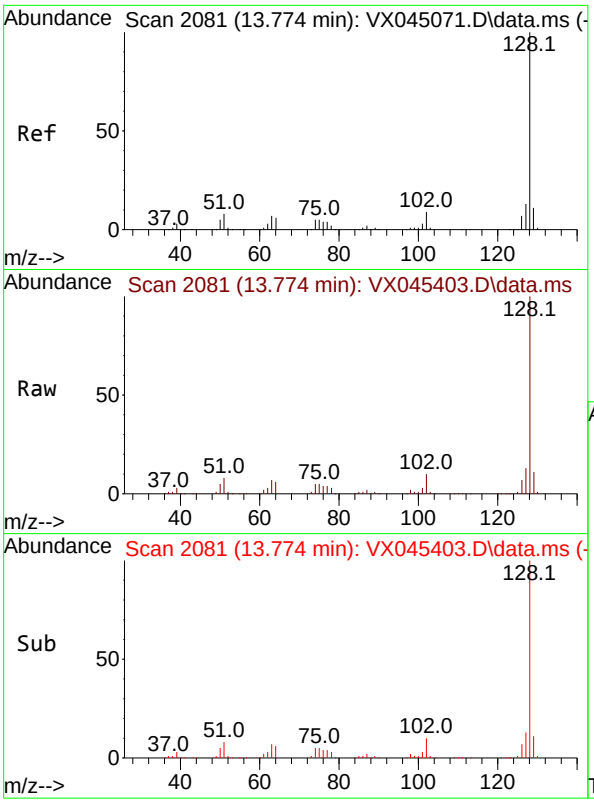


#94
Hexachlorobutadiene
Concen: 59.602 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX045403.D
Acq: 24 Mar 2025 10:26

Tgt Ion:225 Resp: 29635

Ion	Ratio	Lower	Upper
225	100		
223	61.0	31.9	95.7
227	63.2	31.4	94.0



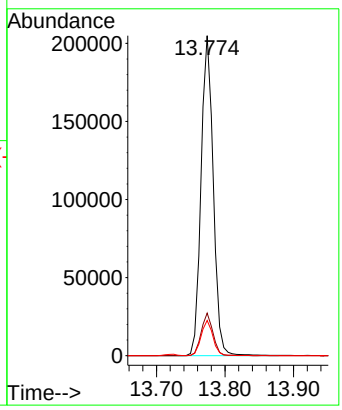


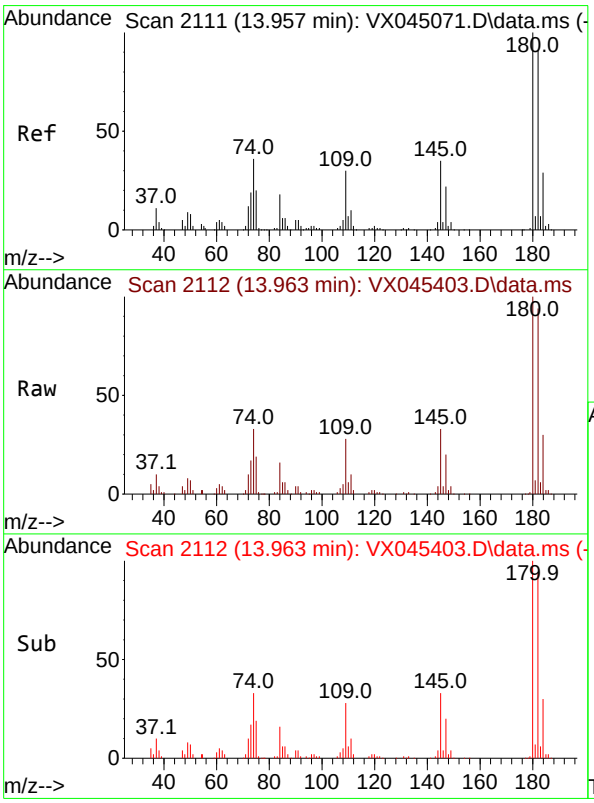
#95
Naphthalene
Concen: 54.579 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045403.D
Acq: 24 Mar 2025 10:26

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:128 Resp: 254316

Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.3	15.5
129	10.7	8.7	13.1

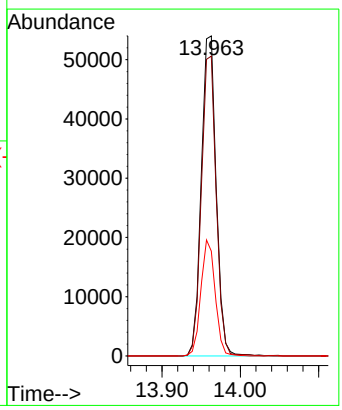




#96
1,2,3-Trichlorobenzene
Concen: 55.710 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.006 min
Lab File: VX045403.D
Acq: 24 Mar 2025 10:26

Tgt Ion:180 Resp: 71277

Ion	Ratio	Lower	Upper
180	100		
182	93.2	47.5	142.6
145	34.8	17.0	50.9



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032425\
Data File : VX045406.D
Acq On : 24 Mar 2025 11:42
Operator : JC/MD
Sample : VX0324WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0324WBS01

Quant Time: Mar 25 01:30:09 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	5.543	168	93978	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.756	114	165678	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	146061	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	63508	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	85282	57.050	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 114.100%			
35) Dibromofluoromethane	5.379	113	62255	56.195	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 112.380%			
50) Toluene-d8	8.646	98	211080	52.555	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 105.120%			
62) 4-Bromofluorobenzene	11.079	95	74334	55.853	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 111.700%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	21073	17.814	ug/l	92
3) Chloromethane	1.306	50	21171	14.624	ug/l	100
4) Vinyl Chloride	1.373	62	21189	14.754	ug/l	95
5) Bromomethane	1.593	94	10183	18.037	ug/l	100
6) Chloroethane	1.666	64	12585	18.998	ug/l	96
7) Trichlorofluoromethane	1.873	101	35206	18.518	ug/l	99
8) Diethyl Ether	2.135	74	12371	16.636	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.318	101	22643	20.730	ug/l	98
10) Methyl Iodide	2.446	142	25555	18.722	ug/l	97
11) Tert butyl alcohol	2.977	59	22825	80.611	ug/l	95
12) 1,1-Dichloroethene	2.312	96	20601	17.840	ug/l	97
13) Acrolein	2.239	56	30584	93.440	ug/l	98
14) Allyl chloride	2.660	41	40021	19.469	ug/l	93
15) Acrylonitrile	3.062	53	75625	99.654	ug/l	99
16) Acetone	2.385	43	67463	97.269	ug/l	97
17) Carbon Disulfide	2.501	76	42607	13.853	ug/l	100
18) Methyl Acetate	2.702	43	44967	26.951	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	76261	19.684	ug/l	98
20) Methylene Chloride	2.788	84	25350	18.451	ug/l	94
21) trans-1,2-Dichloroethene	3.086	96	20756	18.193	ug/l	93
22) Diisopropyl ether	3.757	45	82111	19.641	ug/l #	75
23) Vinyl Acetate	3.720	43	333749	95.666	ug/l	98
24) 1,1-Dichloroethane	3.605	63	45808	19.552	ug/l	98
25) 2-Butanone	4.562	43	108253	103.691	ug/l	99
26) 2,2-Dichloropropane	4.470	77	31321	28.501	ug/l	94
27) cis-1,2-Dichloroethene	4.489	96	27318	19.397	ug/l	93
28) Bromochloromethane	4.891	49	23621	21.152	ug/l	98
29) Tetrahydrofuran	5.007	42	68608	97.859	ug/l	99
30) Chloroform	5.092	83	47564	20.432	ug/l	98
31) Cyclohexane	5.464	56	36156	17.778	ug/l	97
32) 1,1,1-Trichloroethane	5.379	97	38377	20.411	ug/l	97
36) 1,1-Dichloropropene	5.690	75	28347	18.658	ug/l	98
37) Ethyl Acetate	4.720	43	37903	19.361	ug/l	99
38) Carbon Tetrachloride	5.671	117	31973	20.729	ug/l	99
39) Methylcyclohexane	7.378	83	35038	19.247	ug/l	97
40) Benzene	6.037	78	93297	19.447	ug/l	100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032425\
Data File : VX045406.D
Acq On : 24 Mar 2025 11:42
Operator : JC/MD
Sample : VX0324WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0324WBS01

Quant Time: Mar 25 01:30:09 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	4.915	41	22241	21.010	ug/l		95
42) 1,2-Dichloroethane	6.086	62	37584	21.755	ug/l		98
43) Isopropyl Acetate	6.342	43	60236	20.808	ug/l		98
44) Trichloroethene	7.128	130	21942	19.478	ug/l		97
45) 1,2-Dichloropropane	7.427	63	24500	19.862	ug/l		98
46) Dibromomethane	7.580	93	17866	20.492	ug/l		97
47) Bromodichloromethane	7.817	83	35799	20.933	ug/l		99
48) Methyl methacrylate	7.695	41	30664	21.113	ug/l		95
49) 1,4-Dioxane	7.665	88	10866	354.685	ug/l		93
51) 4-Methyl-2-Pentanone	8.573	43	211104	108.606	ug/l		99
52) Toluene	8.713	92	56190	19.962	ug/l		99
53) t-1,3-Dichloropropene	8.976	75	29674	20.756	ug/l		91
54) cis-1,3-Dichloropropene	8.366	75	35002	20.995	ug/l		92
55) 1,1,2-Trichloroethane	9.152	97	24660	21.281	ug/l		97
56) Ethyl methacrylate	9.116	69	35770	20.307	ug/l		95
57) 1,3-Dichloropropane	9.305	76	41448	20.668	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.238	63	84723	98.601	ug/l		98
59) 2-Hexanone	9.427	43	153010	108.646	ug/l		98
60) Dibromochloromethane	9.518	129	25261	20.849	ug/l		99
61) 1,2-Dibromoethane	9.610	107	23583	20.386	ug/l		99
64) Tetrachloroethene	9.274	164	18915	20.220	ug/l		91
65) Chlorobenzene	10.079	112	61196	19.801	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.158	131	20888	20.295	ug/l		97
67) Ethyl Benzene	10.189	91	107297	19.924	ug/l		100
68) m/p-Xylenes	10.299	106	78719	39.931	ug/l		96
69) o-Xylene	10.640	106	39204	19.718	ug/l		99
70) Styrene	10.652	104	64466	20.038	ug/l		98
71) Bromoform	10.798	173	15824	20.388	ug/l	#	98
73) Isopropylbenzene	10.963	105	105292	21.241	ug/l		98
74) N-amyl acetate	10.841	43	45575	19.594	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.213	83	37810	20.786	ug/l		99
76) 1,2,3-Trichloropropane	11.237	75	37654	25.474	ug/l		87
77) Bromobenzene	11.195	156	23369	19.981	ug/l		96
78) n-propylbenzene	11.304	91	116272	20.764	ug/l		99
79) 2-Chlorotoluene	11.359	91	72689	20.383	ug/l		100
80) 1,3,5-Trimethylbenzene	11.451	105	83800	20.908	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.018	75	8756	20.272	ug/l	#	82
82) 4-Chlorotoluene	11.451	91	80935	20.824	ug/l		99
83) tert-Butylbenzene	11.713	119	85178	20.683	ug/l		97
84) 1,2,4-Trimethylbenzene	11.749	105	84360	20.918	ug/l		100
85) sec-Butylbenzene	11.890	105	104018	21.086	ug/l		99
86) p-Isopropyltoluene	12.006	119	84713	21.249	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	40869	19.588	ug/l		99
88) 1,4-Dichlorobenzene	12.036	146	40877	19.365	ug/l		98
89) n-Butylbenzene	12.329	91	70500	20.532	ug/l		99
90) Hexachloroethane	12.536	117	14344	19.892	ug/l		98
91) 1,2-Dichlorobenzene	12.335	146	41771	19.958	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.938	75	7524	21.231	ug/l		94
93) 1,2,4-Trichlorobenzene	13.585	180	21728	18.232	ug/l		99
94) Hexachlorobutadiene	13.725	225	10427	21.341	ug/l		96
95) Naphthalene	13.774	128	84726	18.504	ug/l		99
96) 1,2,3-Trichlorobenzene	13.963	180	23447	18.649	ug/l		98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032425\
Data File : VX045406.D
Acq On : 24 Mar 2025 11:42
Operator : JC/MD
Sample : VX0324WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0324WBS01

Quant Time: Mar 25 01:30:09 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

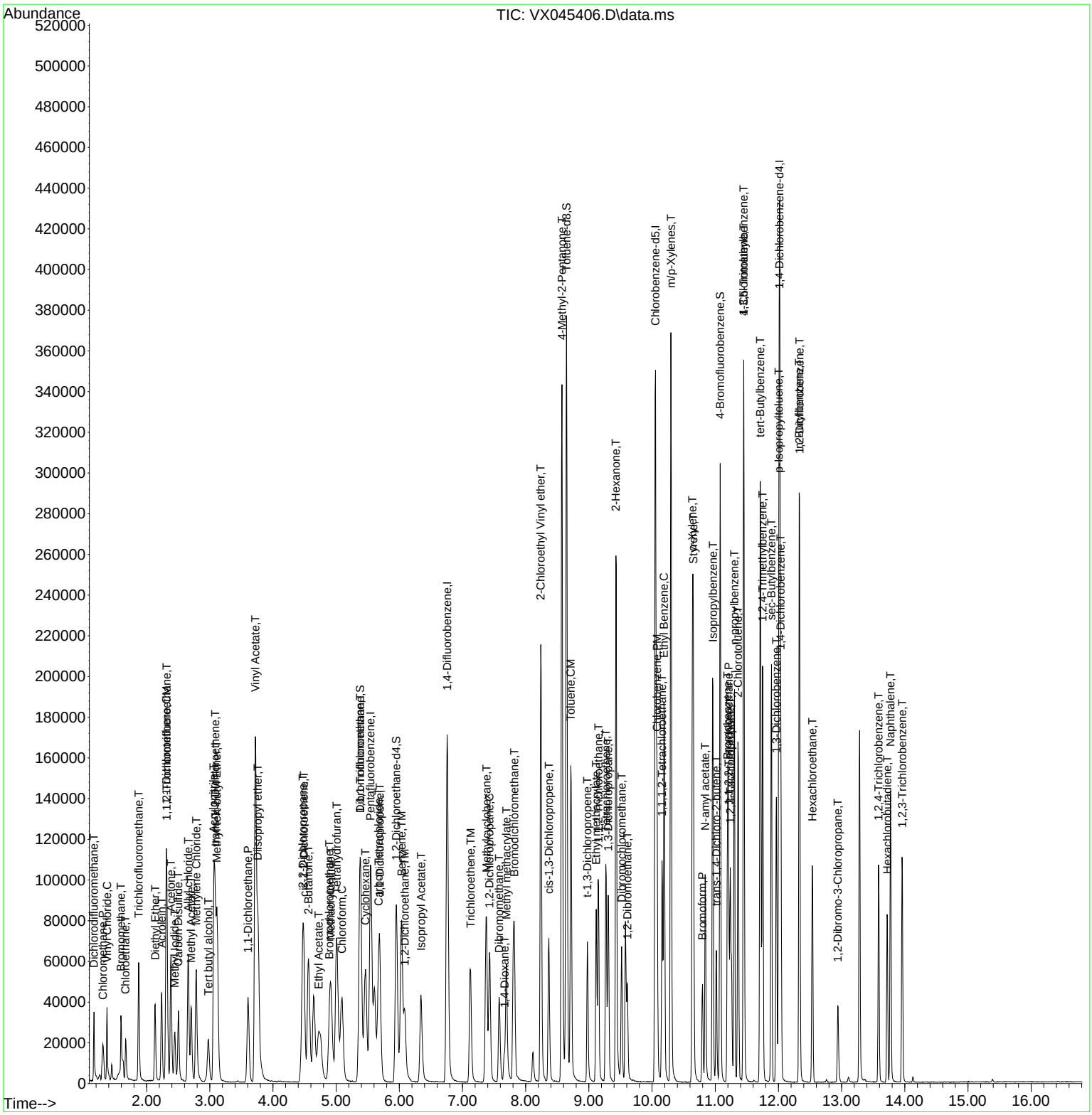
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

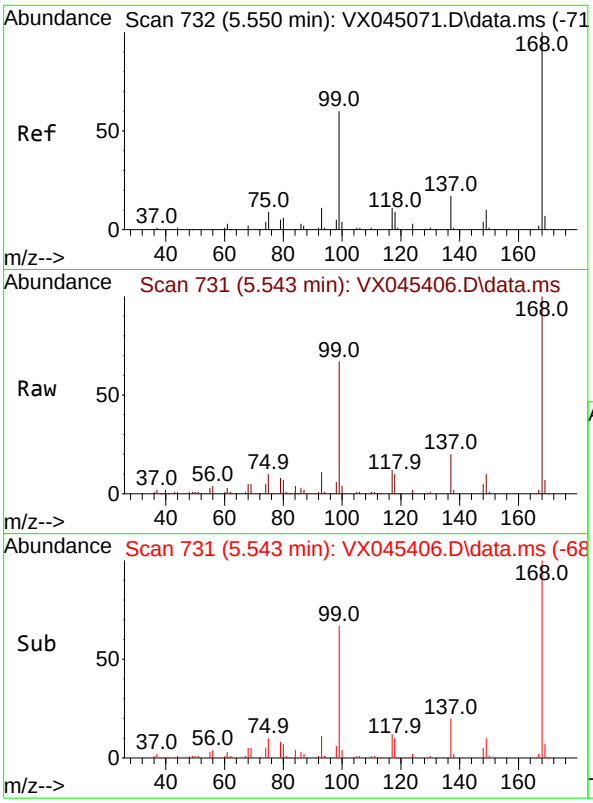
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Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032425\
Data File : VX045406.D
Acq On : 24 Mar 2025 11:42
Operator : JC/MD
Sample : VX0324WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0324WBS01

Quant Time: Mar 25 01:30:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
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Response via : Initial Calibration



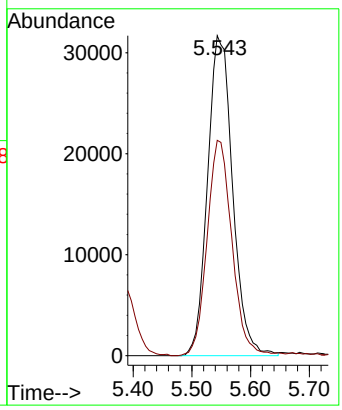


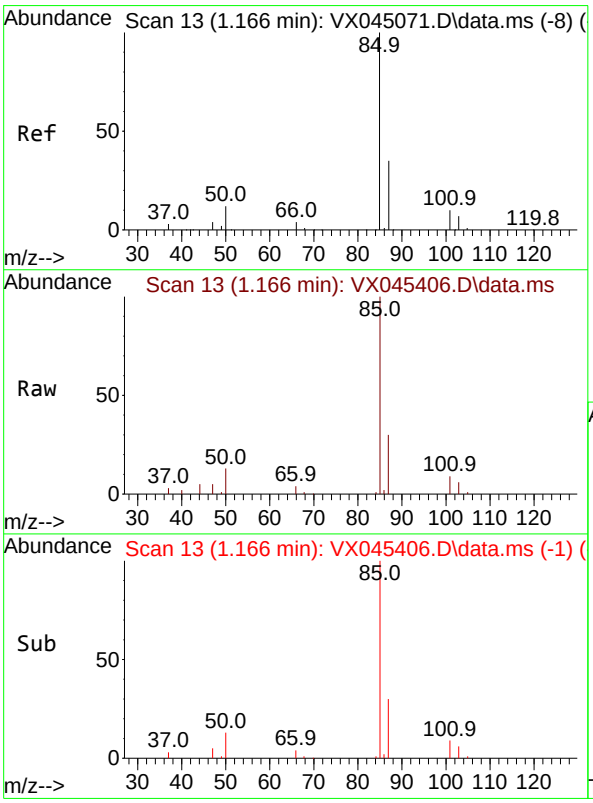
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.543 min Scan# 7
Delta R.T. -0.007 min
Lab File: VX045406.D
Acq: 24 Mar 2025 11:42

Instrument :
MSVOA_X
ClientSampleId :
VX0324WBS01

Tgt Ion:168 Resp: 93978

Ion	Ratio	Lower	Upper
168	100		
99	67.3	48.2	72.4

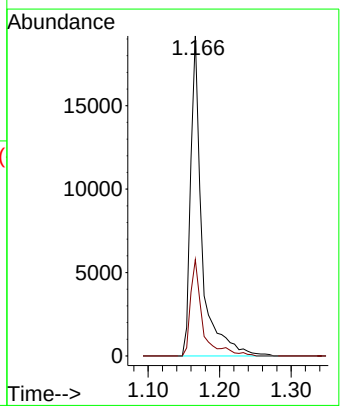


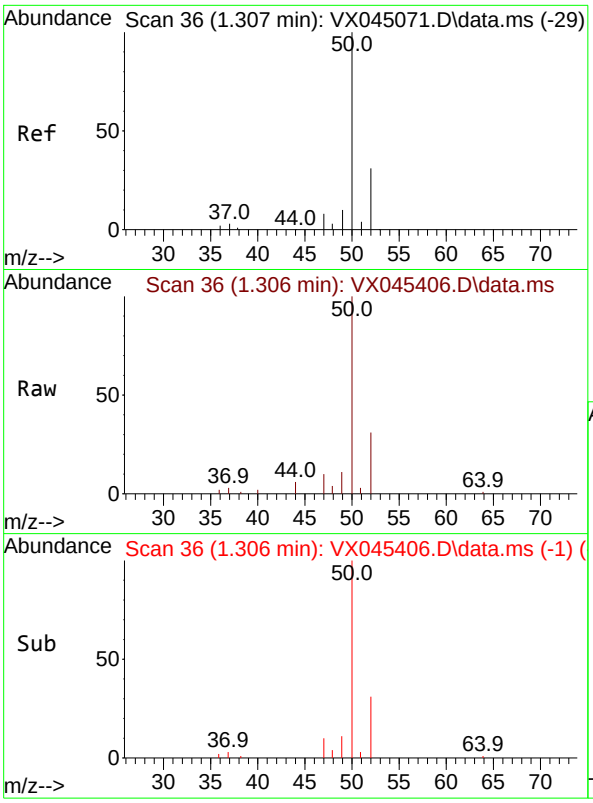


#2
Dichlorodifluoromethane
Concen: 17.814 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX045406.D
Acq: 24 Mar 2025 11:42

Tgt Ion: 85 Resp: 21073

Ion	Ratio	Lower	Upper
85	100		
87	30.1	17.4	52.3



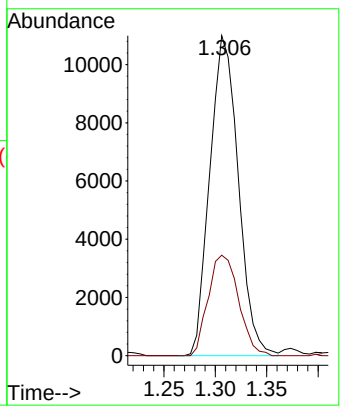


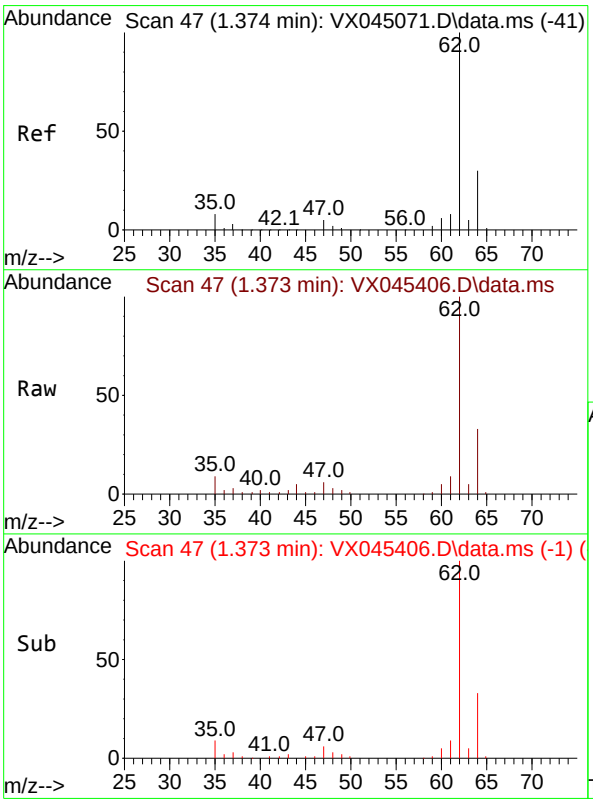
#3
Chloromethane
Concen: 14.624 ug/l
RT: 1.306 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045406.D
Acq: 24 Mar 2025 11:42

Instrument :
MSVOA_X
ClientSampleId :
VX0324WBS01

Tgt Ion: 50 Resp: 21171

Ion	Ratio	Lower	Upper
50	100		
52	31.4	25.0	37.4

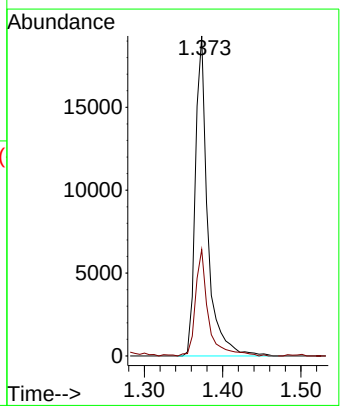


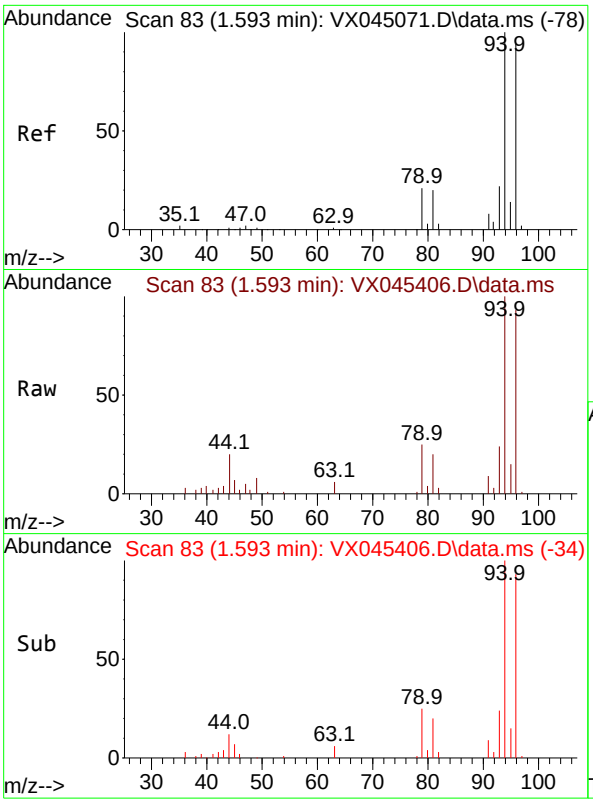


#4
Vinyl Chloride
Concen: 14.754 ug/l
RT: 1.373 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX045406.D
Acq: 24 Mar 2025 11:42

Tgt Ion: 62 Resp: 21189

Ion	Ratio	Lower	Upper
62	100		
64	33.2	24.3	36.5



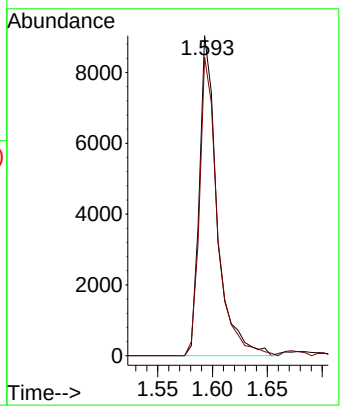


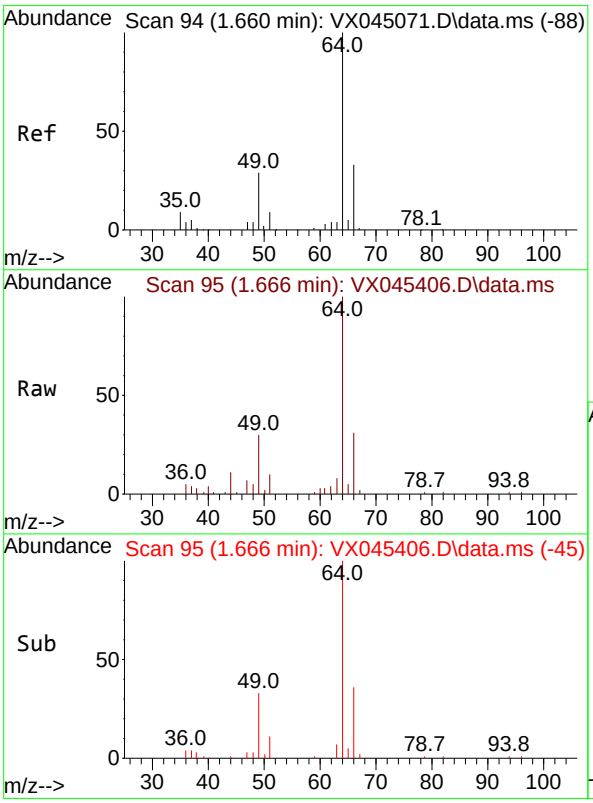
#5
Bromomethane
Concen: 18.037 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045406.D
Acq: 24 Mar 2025 11:42

Instrument :
MSVOA_X
ClientSampleId :
VX0324WBS01

Tgt Ion: 94 Resp: 10183

Ion	Ratio	Lower	Upper
94	100		
96	93.3	75.0	112.4

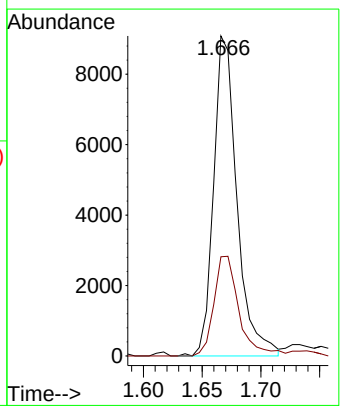


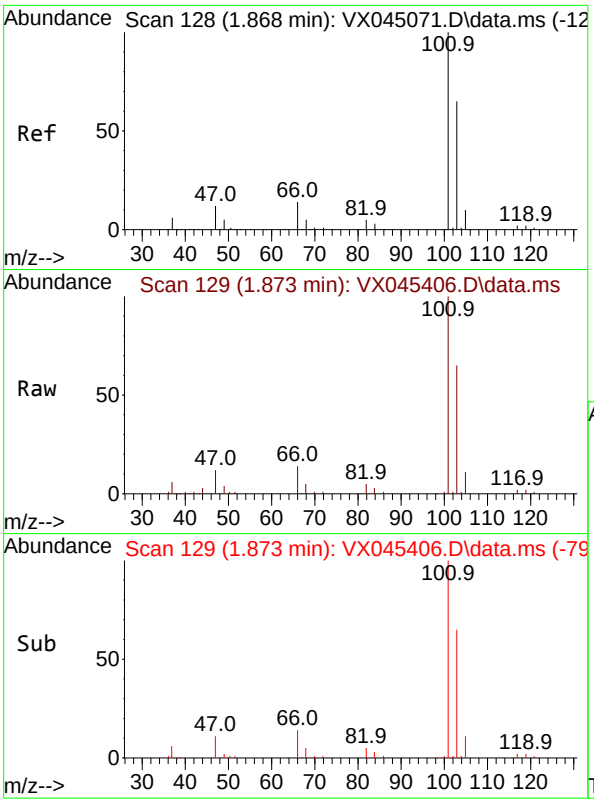


#6
Chloroethane
Concen: 18.998 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.006 min
Lab File: VX045406.D
Acq: 24 Mar 2025 11:42

Tgt Ion: 64 Resp: 12585

Ion	Ratio	Lower	Upper
64	100		
66	31.0	26.7	40.1



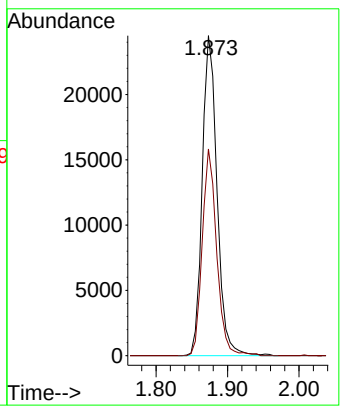


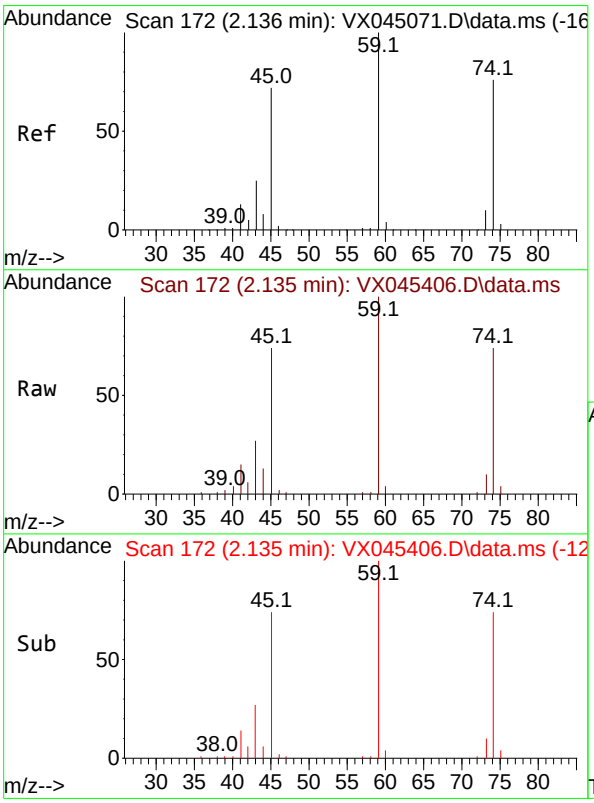
#7
Trichlorofluoromethane
Concen: 18.518 ug/l
RT: 1.873 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045406.D
Acq: 24 Mar 2025 11:42

Instrument :
MSVOA_X
ClientSampleId :
VX0324WBS01

Tgt Ion:101 Resp: 35206

Ion	Ratio	Lower	Upper
101	100		
103	64.6	52.1	78.1

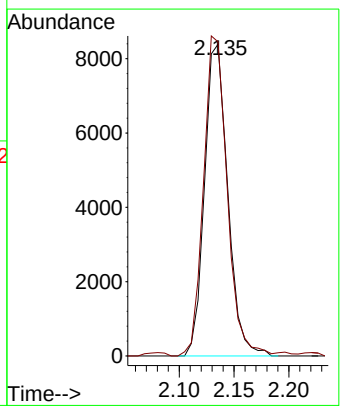


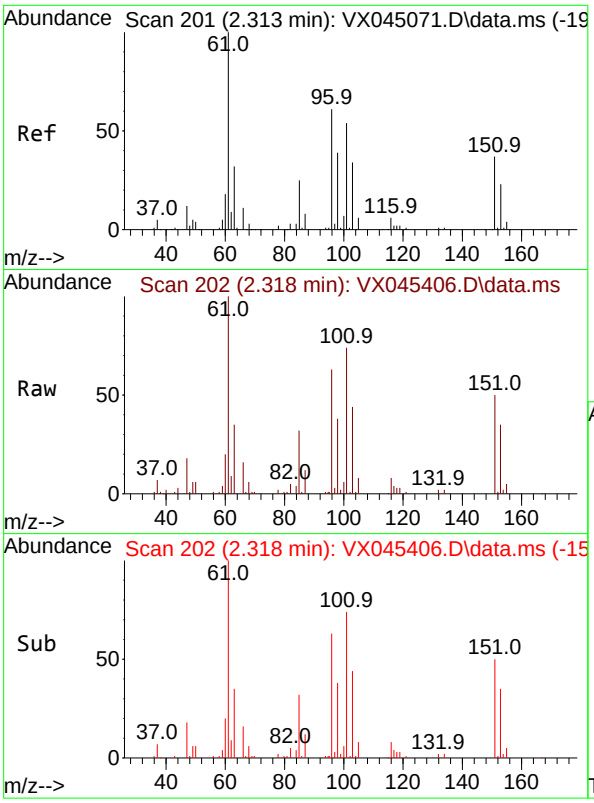


#8
Diethyl Ether
Concen: 16.636 ug/l
RT: 2.135 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX045406.D
Acq: 24 Mar 2025 11:42

Tgt Ion: 74 Resp: 12371

Ion	Ratio	Lower	Upper
74	100		
45	105.0	51.5	154.5



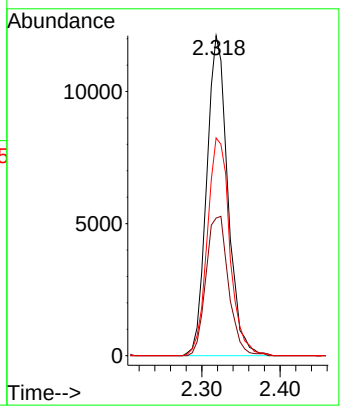


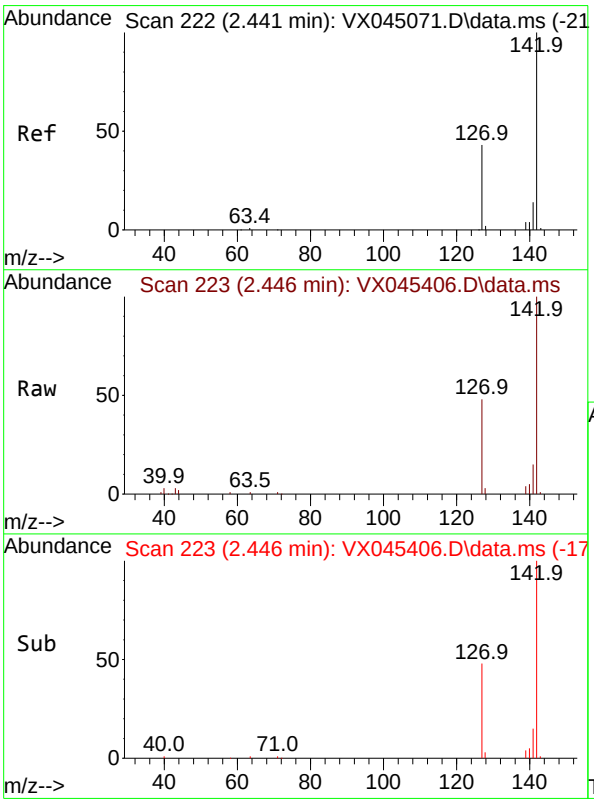
#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.730 ug/l
RT: 2.318 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX045406.D
Acq: 24 Mar 2025 11:42

Instrument :
MSVOA_X
ClientSampleId :
VX0324WBS01

Tgt Ion:101 Resp: 22643

Ion	Ratio	Lower	Upper
101	100		
85	46.7	36.2	54.4
151	72.6	56.4	84.6

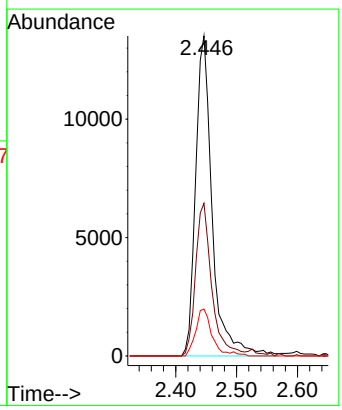


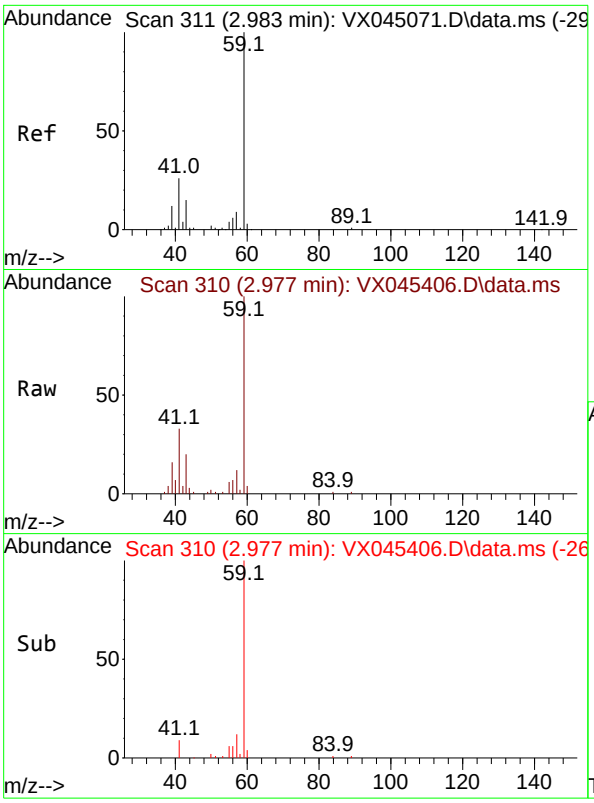


#10
Methyl Iodide
Concen: 18.722 ug/l
RT: 2.446 min Scan# 223
Delta R.T. 0.006 min
Lab File: VX045406.D
Acq: 24 Mar 2025 11:42

Tgt Ion:142 Resp: 25555

Ion	Ratio	Lower	Upper
142	100		
127	46.6	35.4	53.2
141	14.6	11.6	17.4



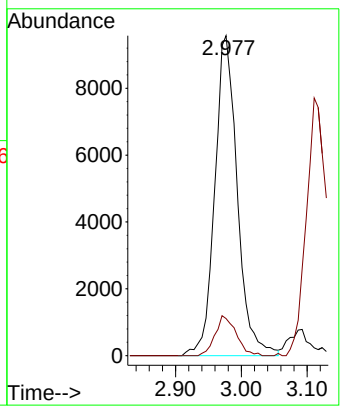


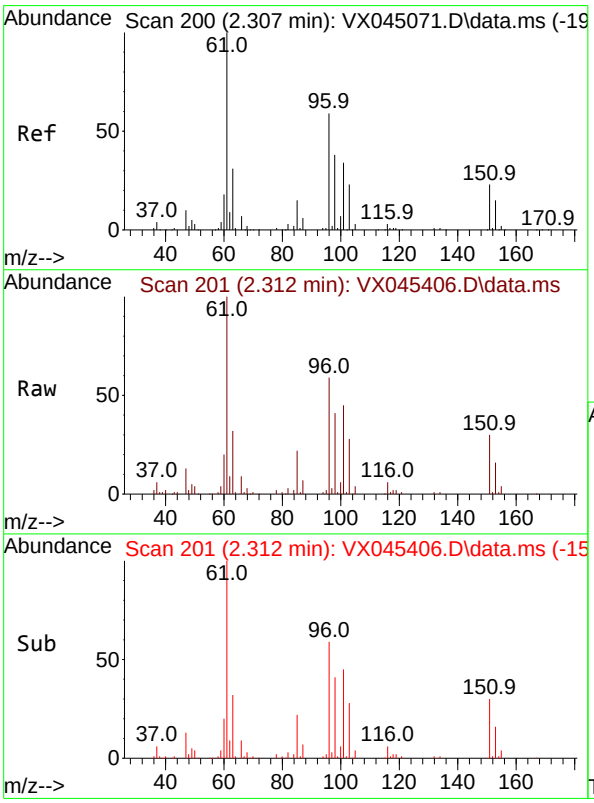
#11
Tert butyl alcohol
Concen: 80.611 ug/l
RT: 2.977 min Scan# 3
Delta R.T. -0.007 min
Lab File: VX045406.D
Acq: 24 Mar 2025 11:42

Instrument :
MSVOA_X
ClientSampleId :
VX0324WBS01

Tgt Ion: 59 Resp: 22825

Ion	Ratio	Lower	Upper
59	100		
57	11.6	7.8	11.8

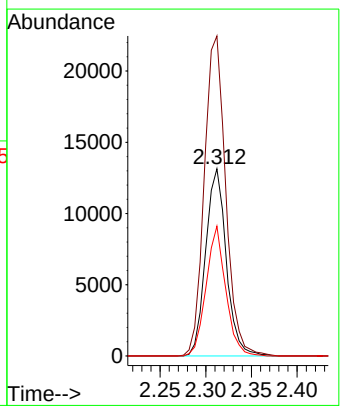


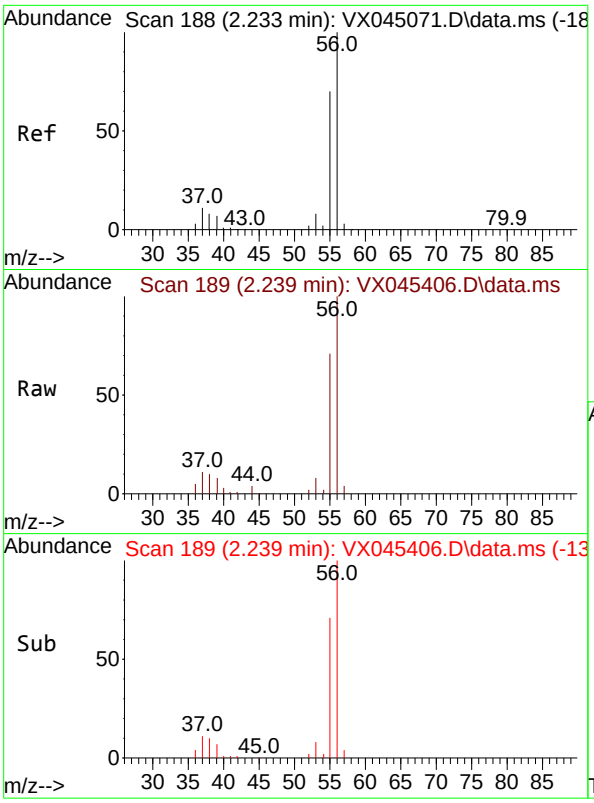


#12
1,1-Dichloroethene
Concen: 17.840 ug/l
RT: 2.312 min Scan# 201
Delta R.T. 0.006 min
Lab File: VX045406.D
Acq: 24 Mar 2025 11:42

Tgt Ion: 96 Resp: 20601

Ion	Ratio	Lower	Upper
96	100		
61	170.9	134.6	202.0
98	69.3	51.0	76.6



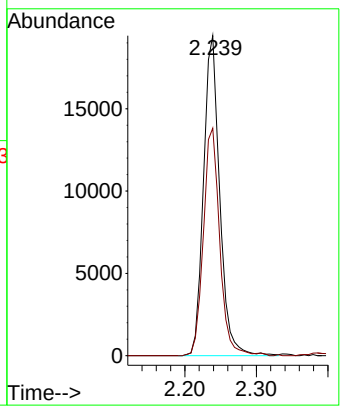


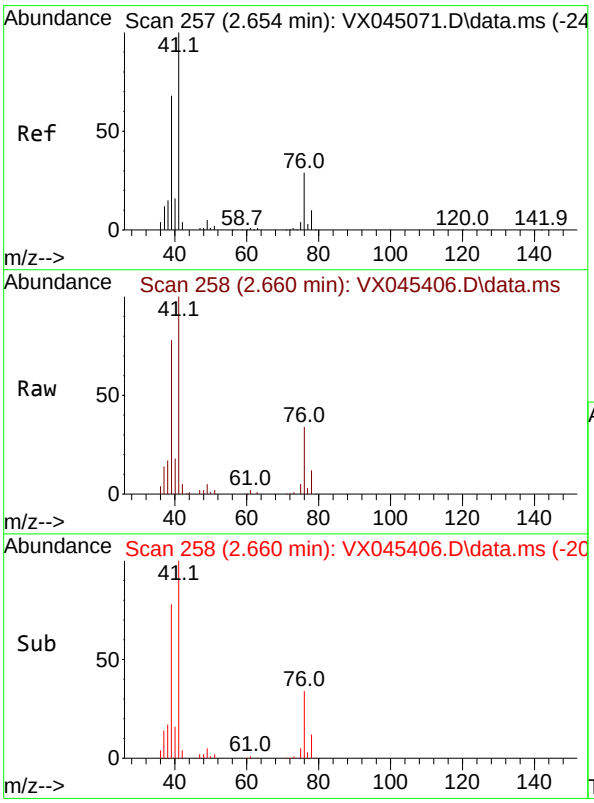
#13
Acrolein
Concen: 93.440 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045406.D
Acq: 24 Mar 2025 11:42

Instrument :
MSVOA_X
ClientSampleId :
VX0324WBS01

Tgt Ion: 56 Resp: 30584

Ion	Ratio	Lower	Upper
56	100		
55	71.8	56.2	84.4

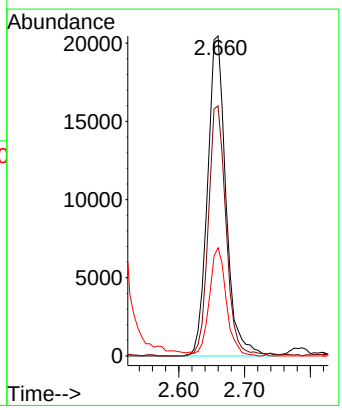


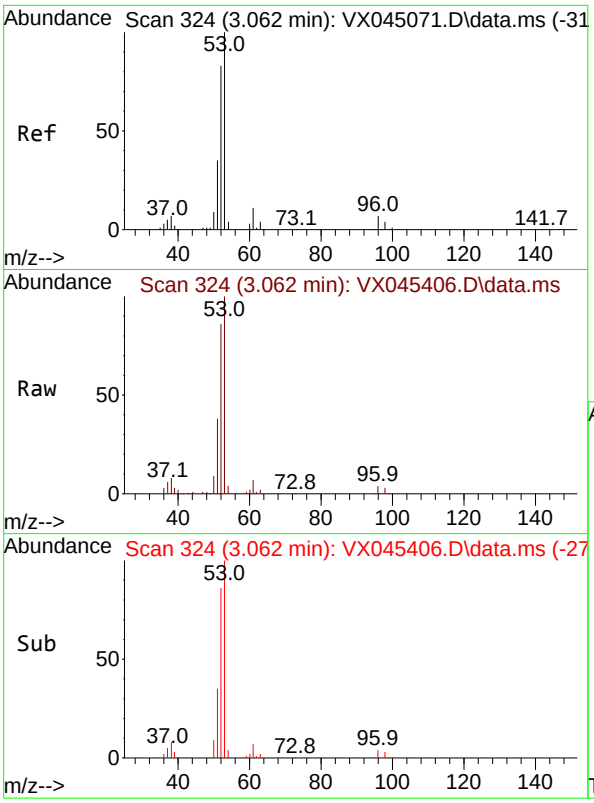


#14
Allyl chloride
Concen: 19.469 ug/l
RT: 2.660 min Scan# 258
Delta R.T. 0.006 min
Lab File: VX045406.D
Acq: 24 Mar 2025 11:42

Tgt Ion: 41 Resp: 40021

Ion	Ratio	Lower	Upper
41	100		
39	74.8	53.8	80.8
76	31.0	25.2	37.8



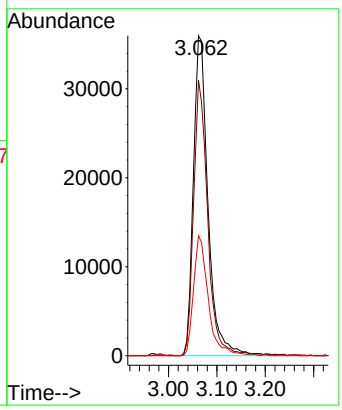


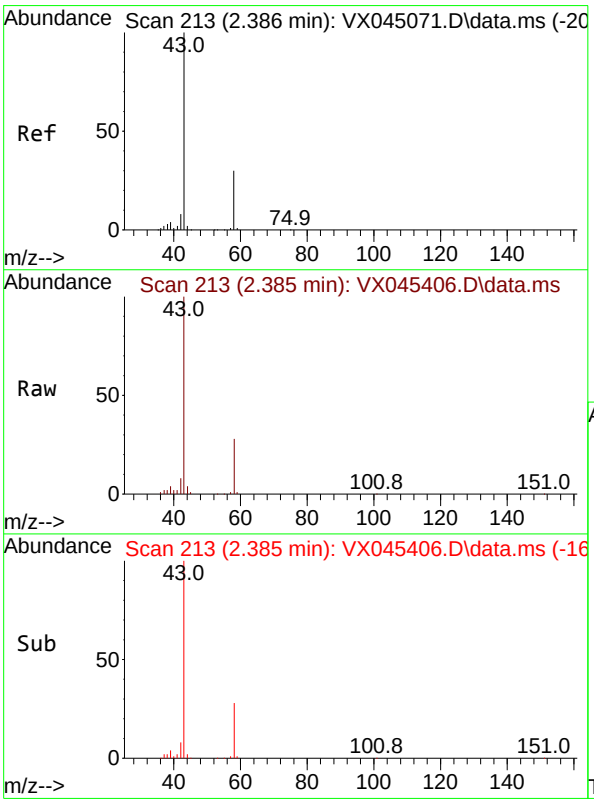
#15
Acrylonitrile
Concen: 99.654 ug/l
RT: 3.062 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045406.D
Acq: 24 Mar 2025 11:42

Instrument :
MSVOA_X
ClientSampleId :
VX0324WBS01

Tgt Ion: 53 Resp: 75625

Ion	Ratio	Lower	Upper
53	100		
52	82.7	66.2	99.2
51	37.9	29.0	43.4

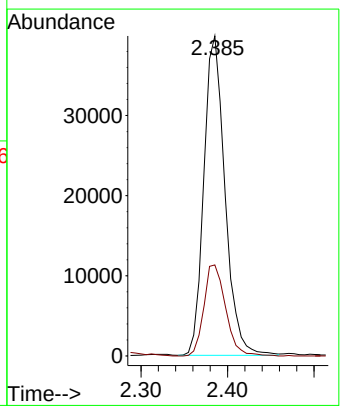


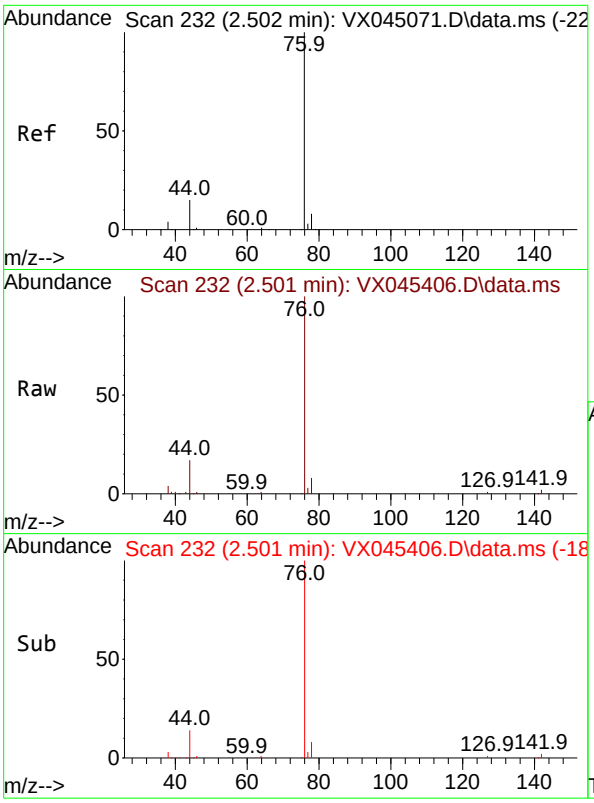


#16
Acetone
Concen: 97.269 ug/l
RT: 2.385 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX045406.D
Acq: 24 Mar 2025 11:42

Tgt Ion: 43 Resp: 67463

Ion	Ratio	Lower	Upper
43	100		
58	28.5	24.2	36.4



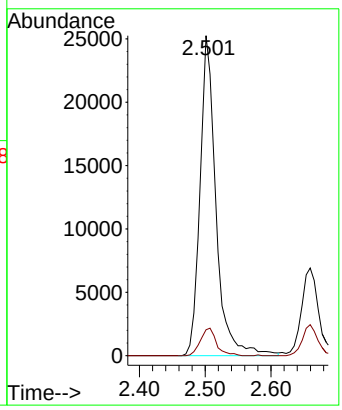


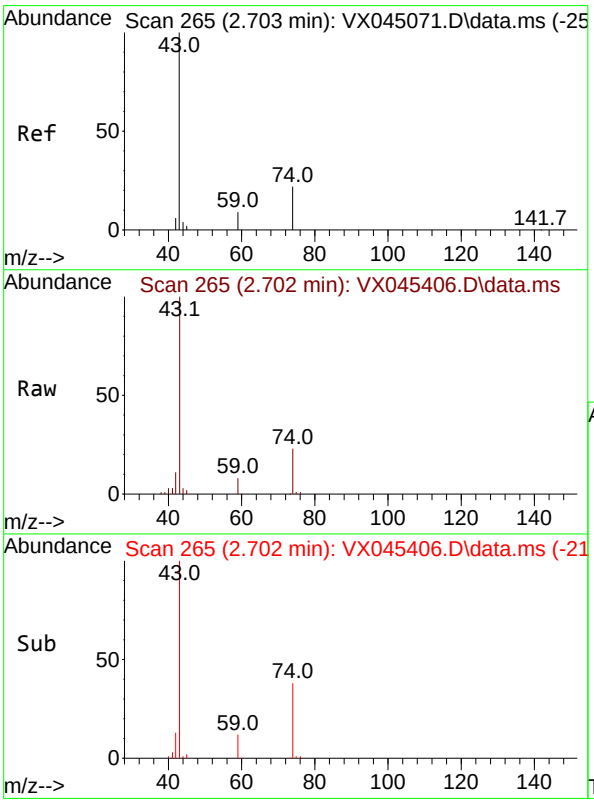
#17
Carbon Disulfide
Concen: 13.853 ug/l
RT: 2.501 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045406.D
Acq: 24 Mar 2025 11:42

Instrument :
MSVOA_X
ClientSampleId :
VX0324WBS01

Tgt Ion: 76 Resp: 42607

Ion	Ratio	Lower	Upper
76	100		
78	8.1	6.6	9.8

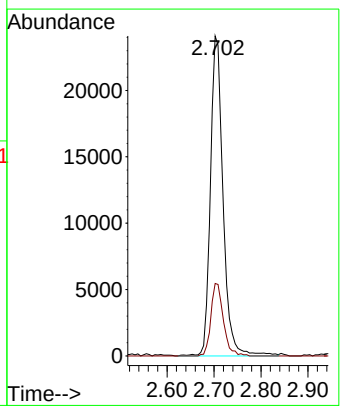


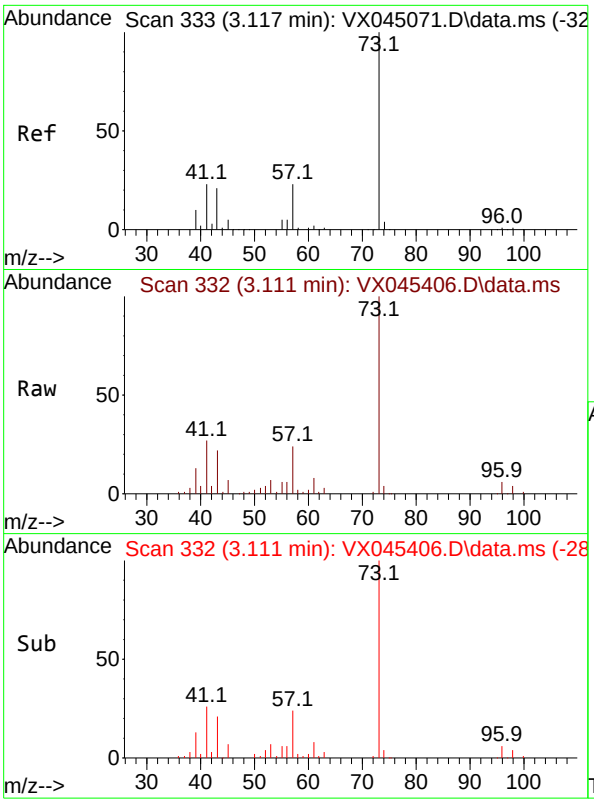


#18
Methyl Acetate
Concen: 26.951 ug/l
RT: 2.702 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX045406.D
Acq: 24 Mar 2025 11:42

Tgt Ion: 43 Resp: 44967

Ion	Ratio	Lower	Upper
43	100		
74	22.3	17.4	26.2



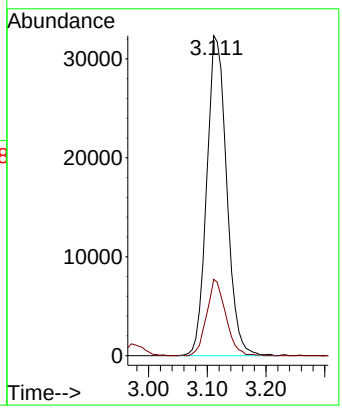


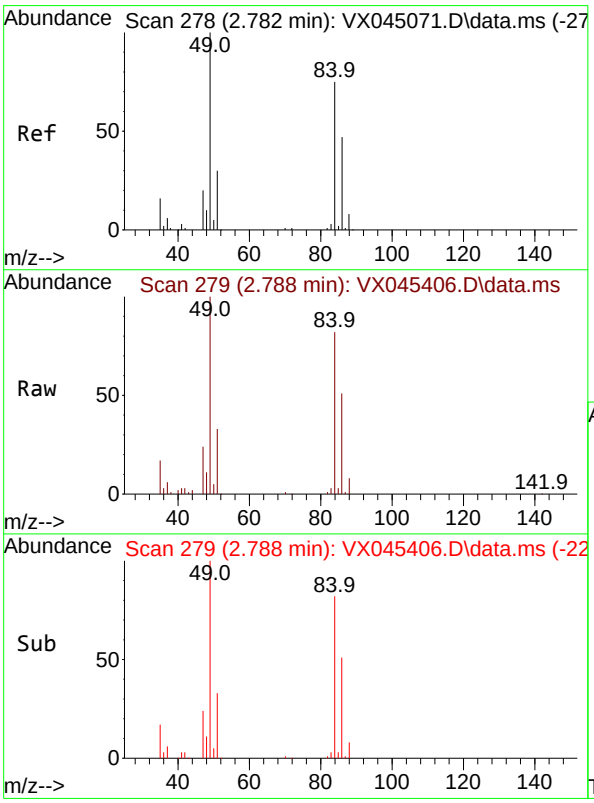
#19
Methyl tert-butyl Ether
Concen: 19.684 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.007 min
Lab File: VX045406.D
Acq: 24 Mar 2025 11:42

Instrument :
MSVOA_X
ClientSampleId :
VX0324WBS01

Tgt Ion: 73 Resp: 76261

Ion	Ratio	Lower	Upper
73	100		
57	23.8	18.5	27.7

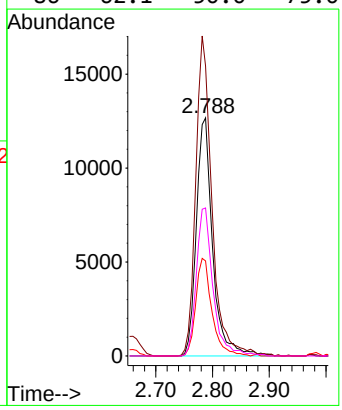


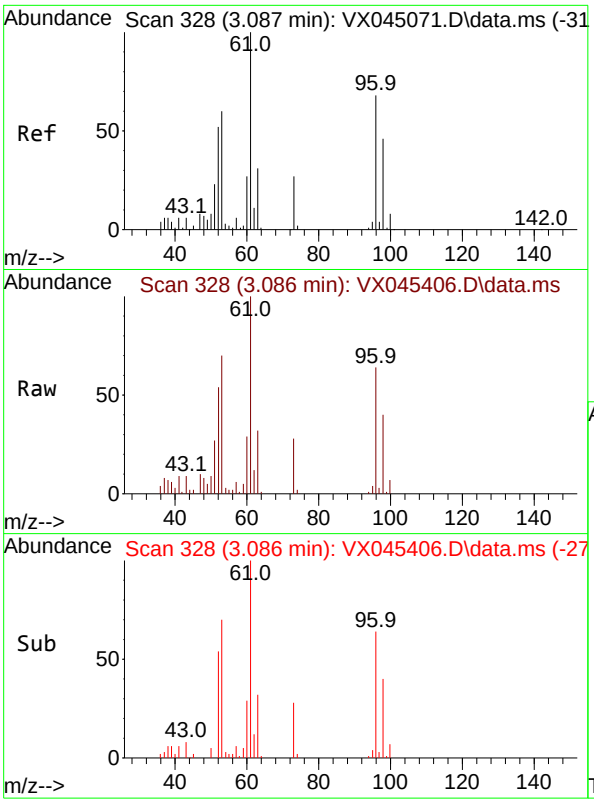


#20
Methylene Chloride
Concen: 18.451 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.006 min
Lab File: VX045406.D
Acq: 24 Mar 2025 11:42

Tgt Ion: 84 Resp: 25350

Ion	Ratio	Lower	Upper
84	100		
49	121.8	106.5	159.7
51	39.9	32.1	48.1
86	62.1	50.0	75.0



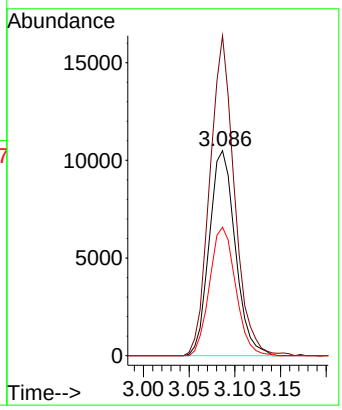


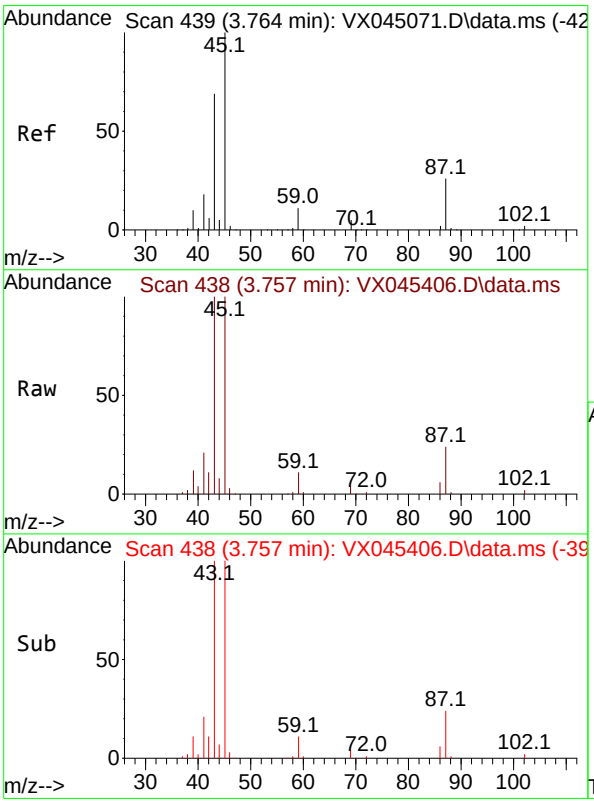
#21
trans-1,2-Dichloroethene
Concen: 18.193 ug/l
RT: 3.086 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045406.D
Acq: 24 Mar 2025 11:42

Instrument :
MSVOA_X
ClientSampleId :
VX0324WBS01

Tgt Ion: 96 Resp: 20756

Ion	Ratio	Lower	Upper
96	100		
61	156.2	117.0	175.4
98	62.7	53.4	80.2

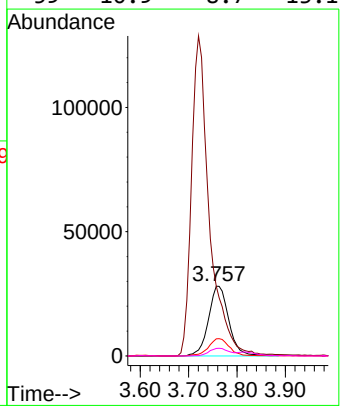


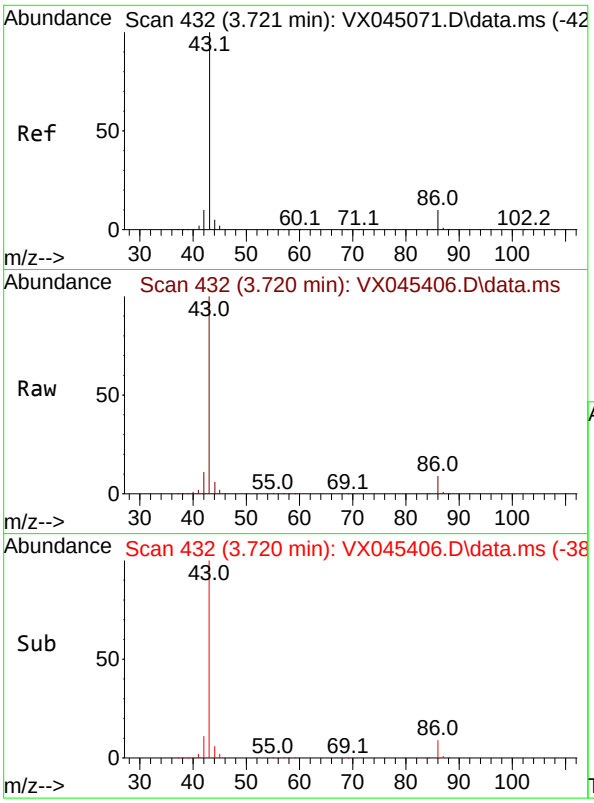


#22
Diisopropyl ether
Concen: 19.641 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.007 min
Lab File: VX045406.D
Acq: 24 Mar 2025 11:42

Tgt Ion: 45 Resp: 82111

Ion	Ratio	Lower	Upper
45	100		
43	99.3	54.9	82.3#
87	24.4	21.0	31.4
59	10.9	8.7	13.1



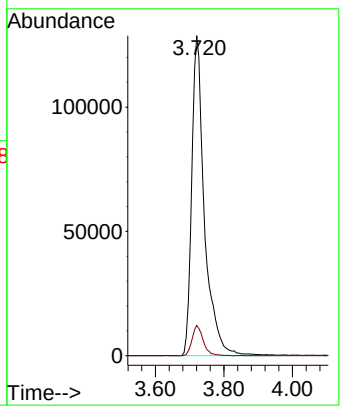


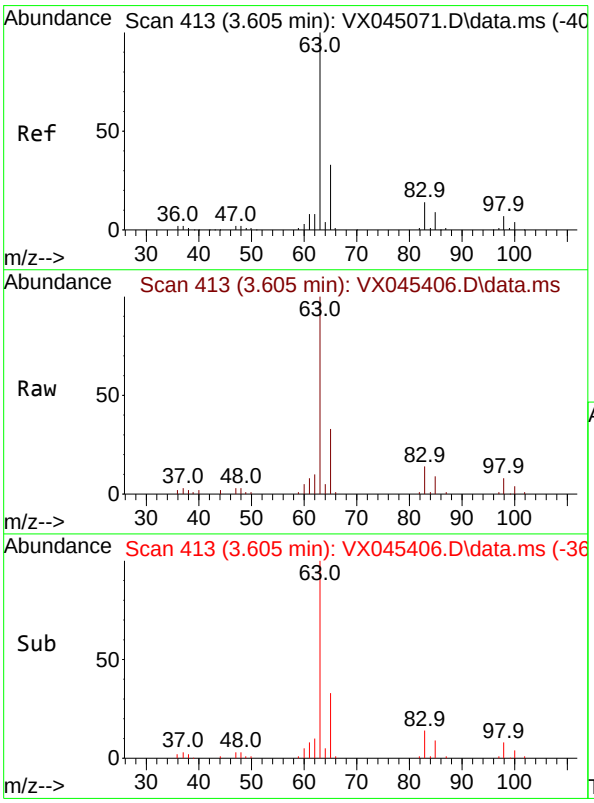
#23
Vinyl Acetate
Concen: 95.666 ug/l
RT: 3.720 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX045406.D
Acq: 24 Mar 2025 11:42

Instrument :
MSVOA_X
ClientSampleId :
VX0324WBS01

Tgt Ion: 43 Resp: 333749

Ion	Ratio	Lower	Upper
43	100		
86	9.4	8.1	12.1

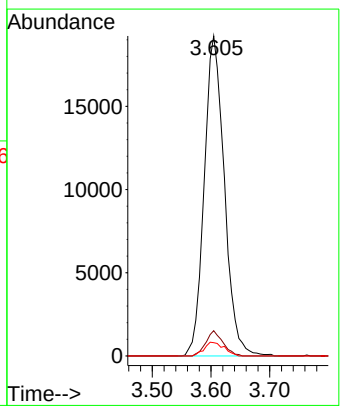


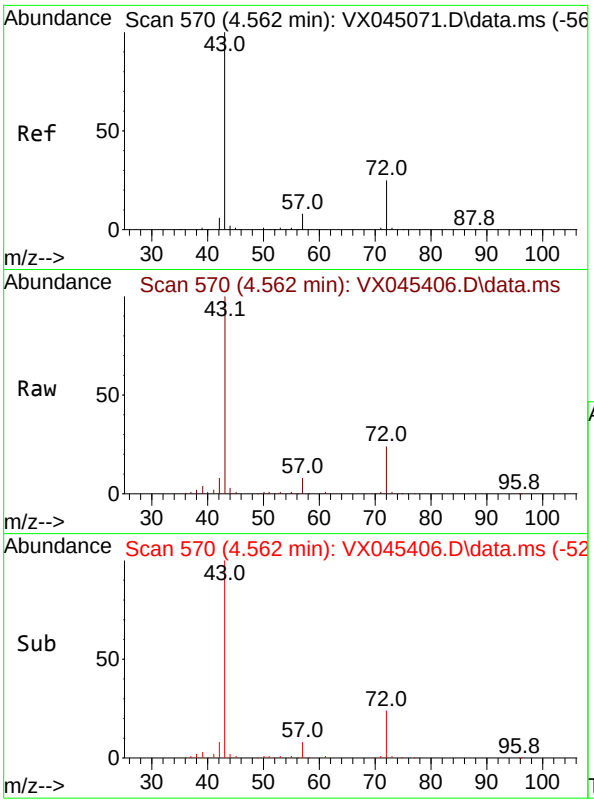


#24
1,1-Dichloroethane
Concen: 19.552 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX045406.D
Acq: 24 Mar 2025 11:42

Tgt Ion: 63 Resp: 45808

Ion	Ratio	Lower	Upper
63	100		
98	7.9	3.4	10.2
100	4.1	2.1	6.5



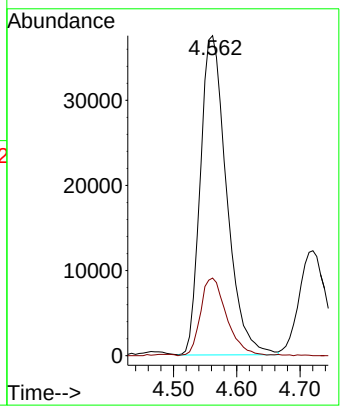


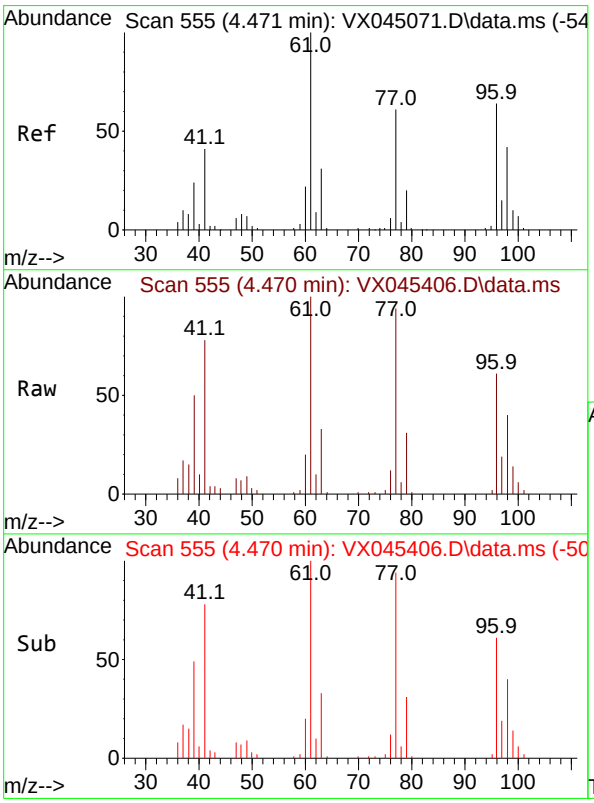
#25
2-Butanone
Concen: 103.691 ug/l
RT: 4.562 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045406.D
Acq: 24 Mar 2025 11:42

Instrument :
MSVOA_X
ClientSampleId :
VX0324WBS01

Tgt Ion: 43 Resp: 108253

Ion	Ratio	Lower	Upper
43	100		
72	24.3	20.0	30.0

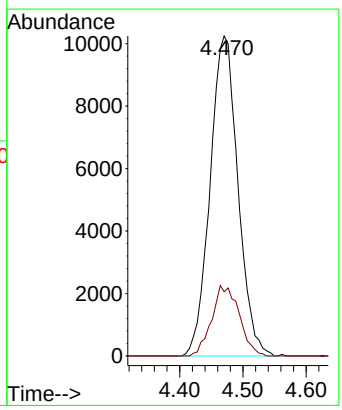


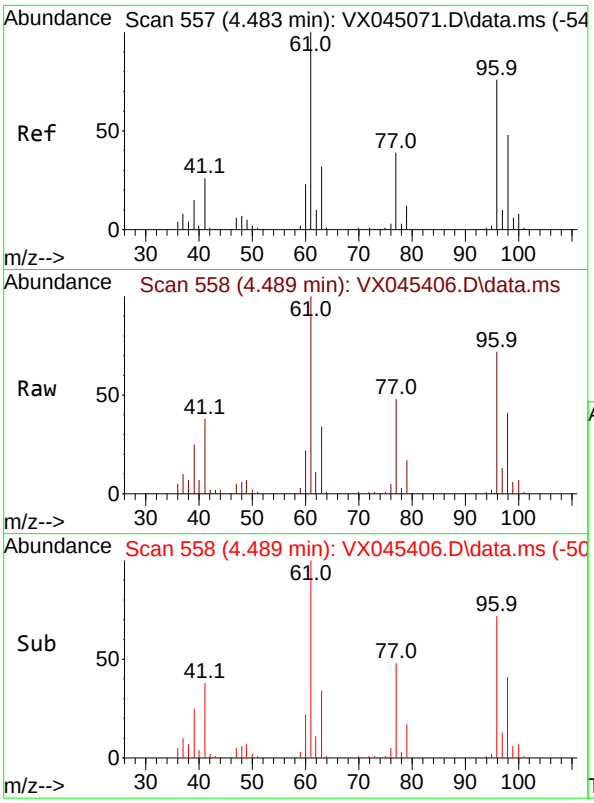


#26
2,2-Dichloropropane
Concen: 28.501 ug/l
RT: 4.470 min Scan# 555
Delta R.T. -0.000 min
Lab File: VX045406.D
Acq: 24 Mar 2025 11:42

Tgt Ion: 77 Resp: 31321

Ion	Ratio	Lower	Upper
77	100		
97	21.7	12.4	37.0



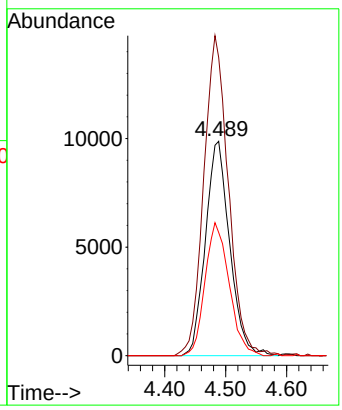


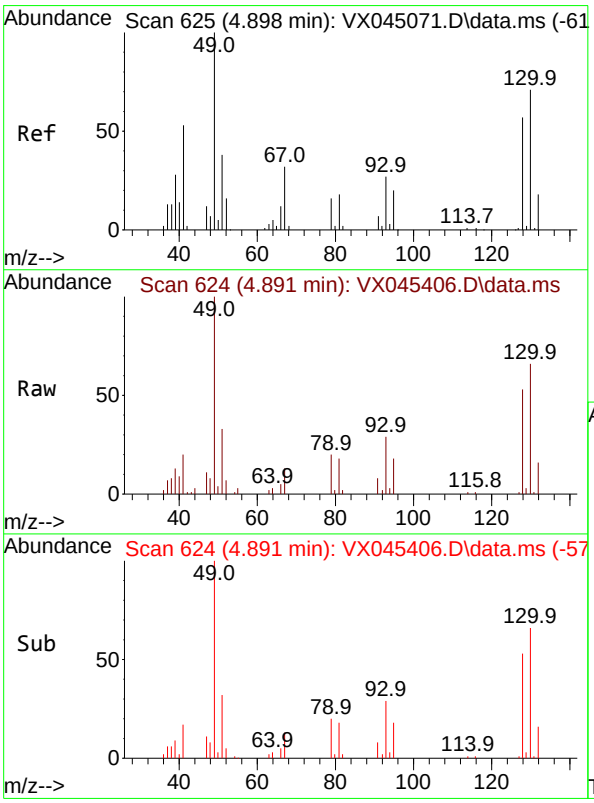
#27
cis-1,2-Dichloroethene
Concen: 19.397 ug/l
RT: 4.489 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX045406.D
Acq: 24 Mar 2025 11:42

Instrument :
MSVOA_X
ClientSampleId :
VX0324WBS01

Tgt Ion: 96 Resp: 27318

Ion	Ratio	Lower	Upper
96	100		
61	151.6	0.0	283.2
98	61.7	0.0	128.0

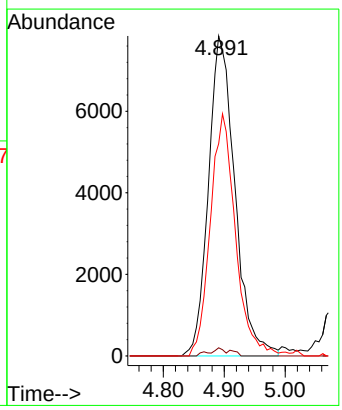


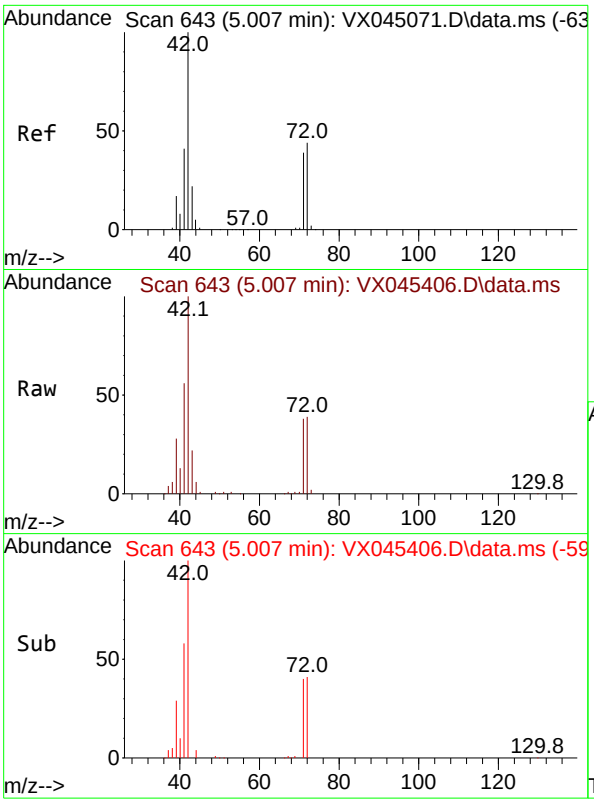


#28
Bromochloromethane
Concen: 21.152 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.007 min
Lab File: VX045406.D
Acq: 24 Mar 2025 11:42

Tgt Ion: 49 Resp: 23621

Ion	Ratio	Lower	Upper
49	100		
129	0.5	0.0	3.4
130	72.1	56.1	84.1



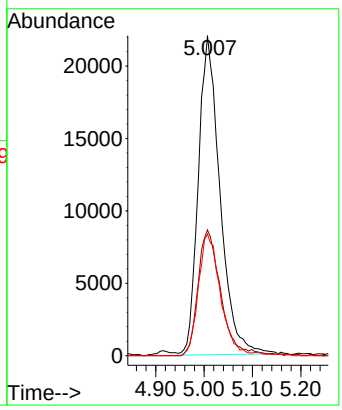


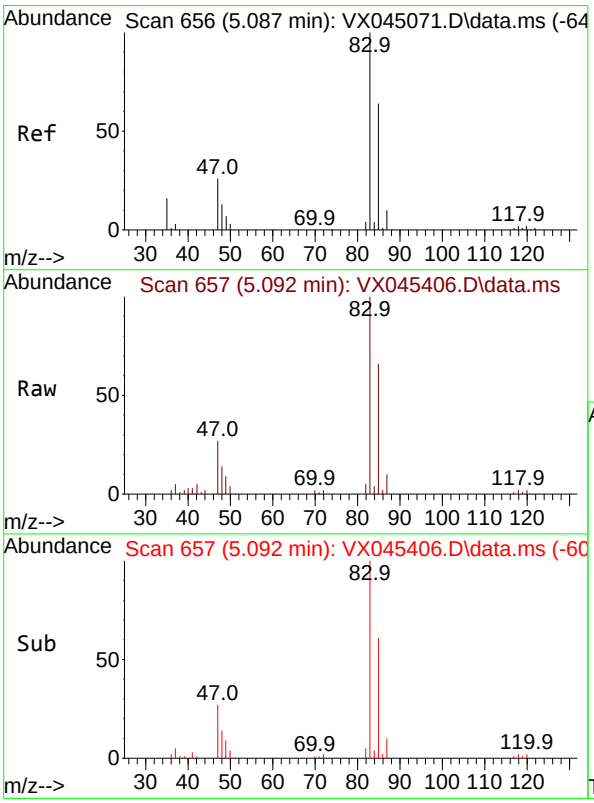
#29
Tetrahydrofuran
Concen: 97.859 ug/l
RT: 5.007 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX045406.D
Acq: 24 Mar 2025 11:42

Instrument :
MSVOA_X
ClientSampleId :
VX0324WBS01

Tgt Ion: 42 Resp: 68608

Ion	Ratio	Lower	Upper
42	100		
72	41.5	34.1	51.1
71	38.6	31.4	47.0

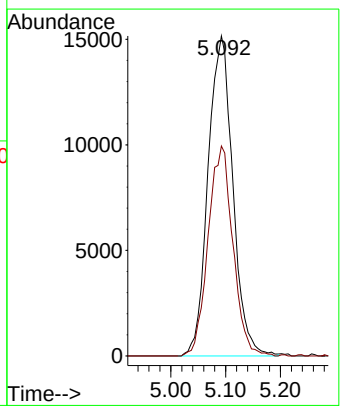


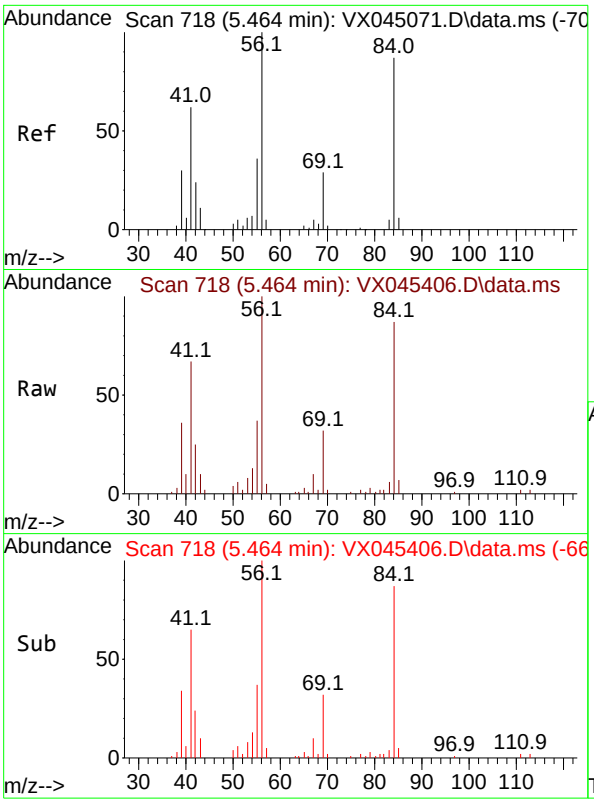


#30
Chloroform
Concen: 20.432 ug/l
RT: 5.092 min Scan# 657
Delta R.T. 0.006 min
Lab File: VX045406.D
Acq: 24 Mar 2025 11:42

Tgt Ion: 83 Resp: 47564

Ion	Ratio	Lower	Upper
83	100		
85	65.6	51.4	77.2



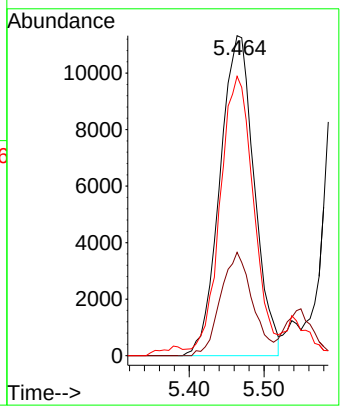


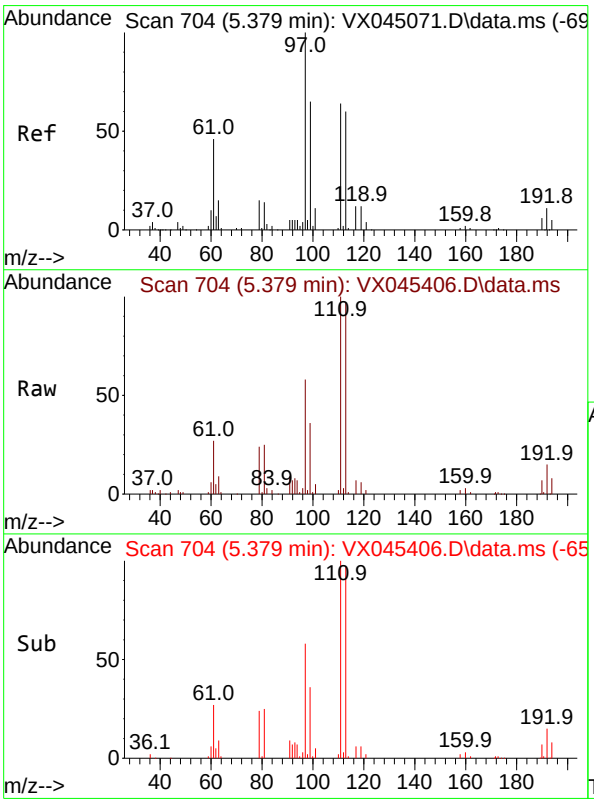
#31
Cyclohexane
Concen: 17.778 ug/l
RT: 5.464 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045406.D
Acq: 24 Mar 2025 11:42

Instrument :
MSVOA_X
ClientSampleId :
VX0324WBS01

Tgt Ion: 56 Resp: 36156

Ion	Ratio	Lower	Upper
56	100		
69	32.3	23.4	35.2
84	84.5	69.4	104.2

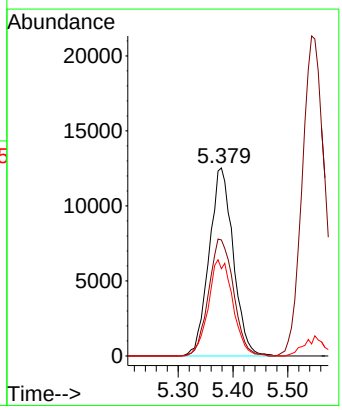


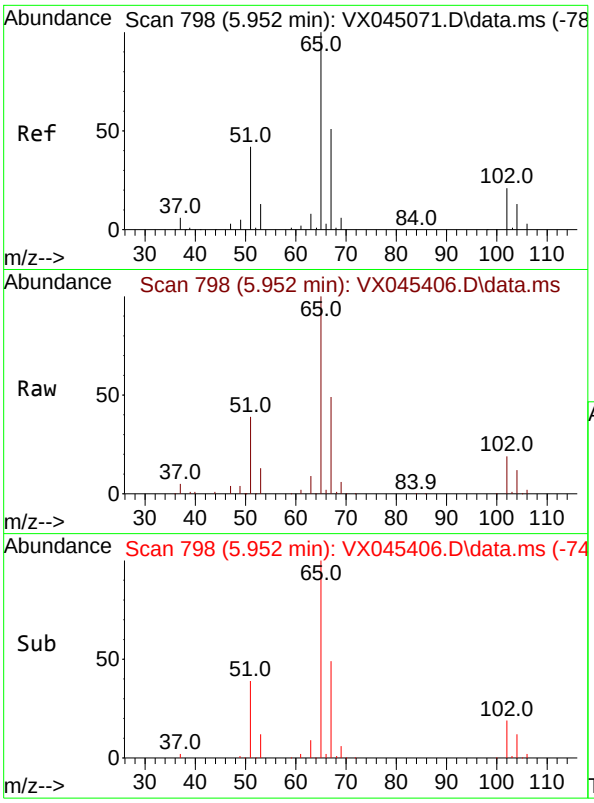


#32
1,1,1-Trichloroethane
Concen: 20.411 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX045406.D
Acq: 24 Mar 2025 11:42

Tgt Ion: 97 Resp: 38377

Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.6	77.4
61	51.9	38.4	57.6



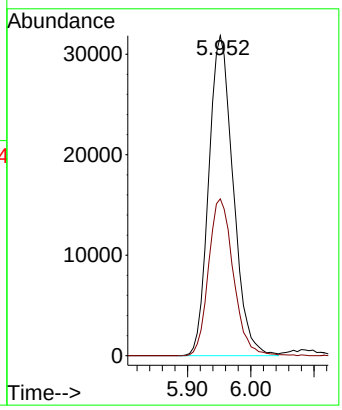


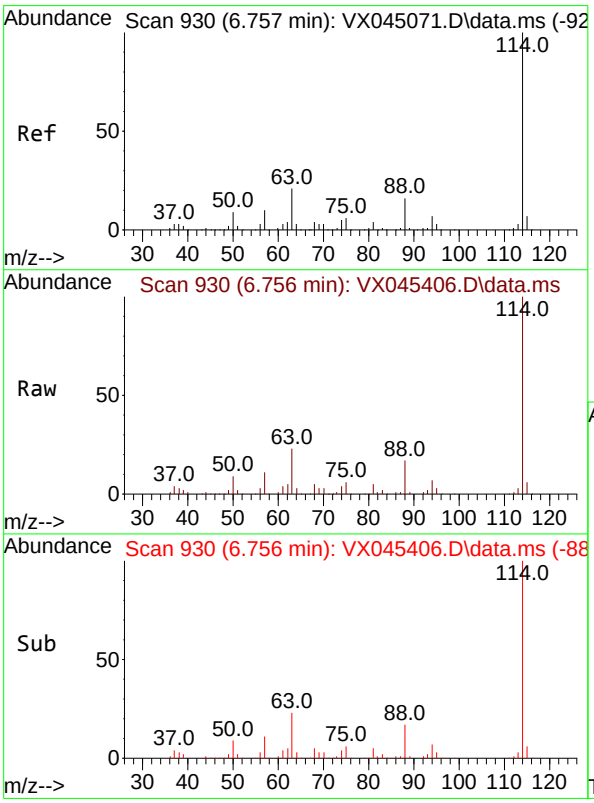
#33
1,2-Dichloroethane-d4
Concen: 57.050 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045406.D
Acq: 24 Mar 2025 11:42

Instrument :
MSVOA_X
ClientSampleId :
VX0324WBS01

Tgt Ion: 65 Resp: 85282

Ion	Ratio	Lower	Upper
65	100		
67	49.8	0.0	106.2

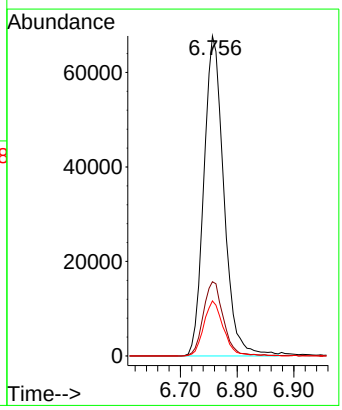


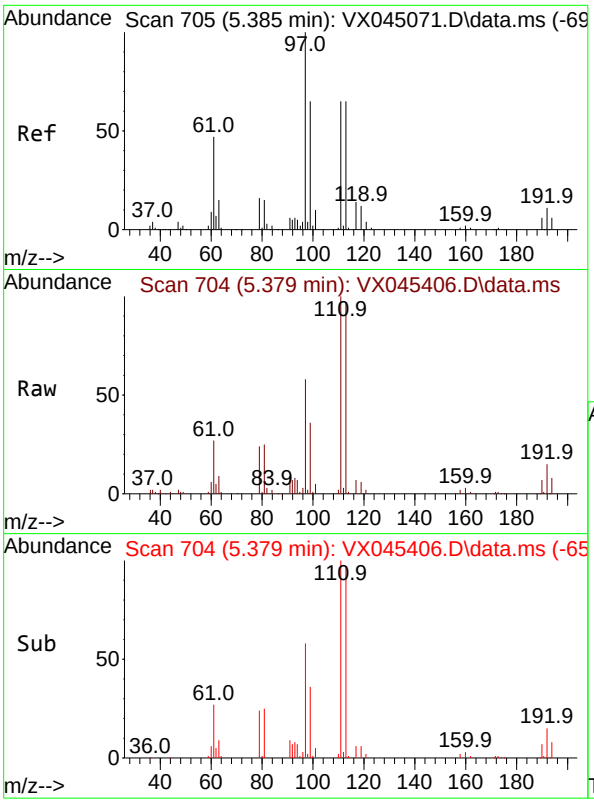


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.756 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX045406.D
Acq: 24 Mar 2025 11:42

Tgt Ion:114 Resp: 165678

Ion	Ratio	Lower	Upper
114	100		
63	23.2	0.0	41.8
88	17.2	0.0	32.8



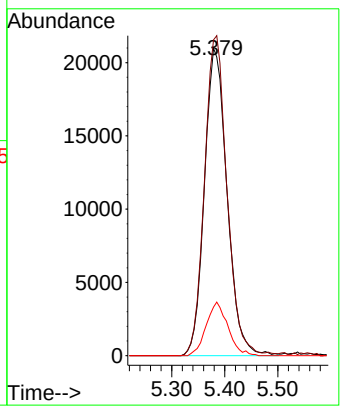


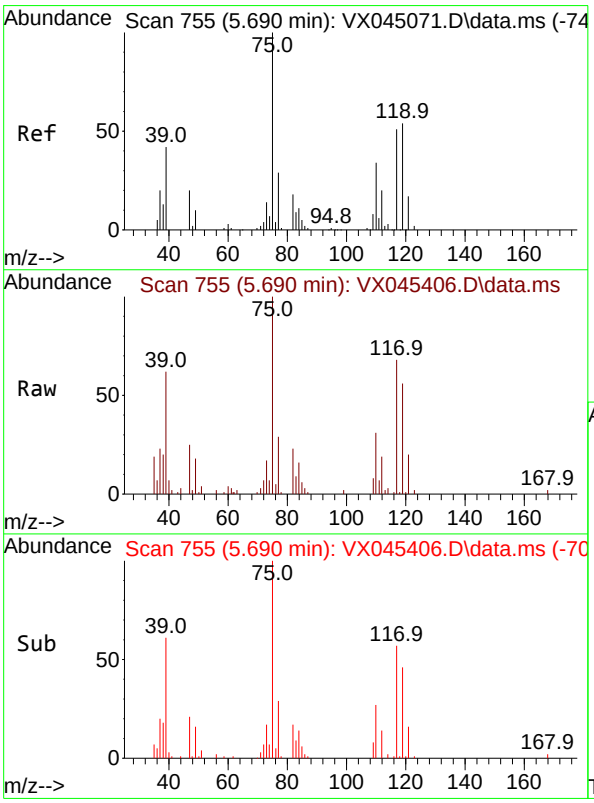
#35
Dibromofluoromethane
Concen: 56.195 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.007 min
Lab File: VX045406.D
Acq: 24 Mar 2025 11:42

Instrument :
MSVOA_X
ClientSampleId :
VX0324WBS01

Tgt Ion:113 Resp: 62255

Ion	Ratio	Lower	Upper
113	100		
111	103.0	81.8	122.6
192	16.8	14.3	21.5

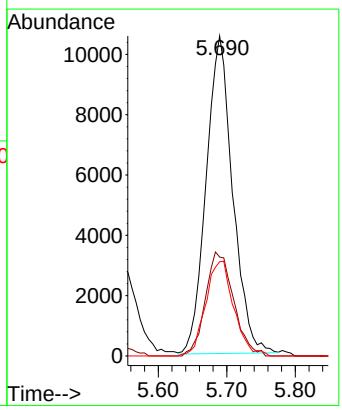


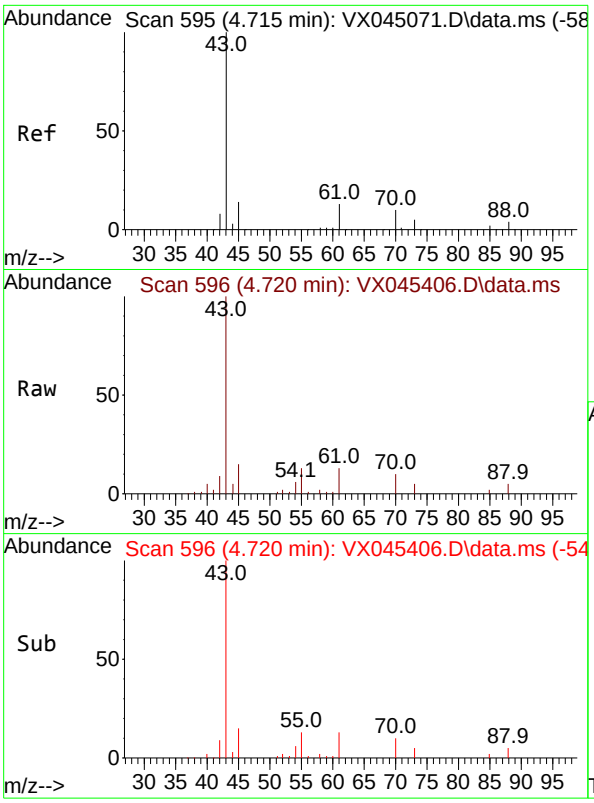


#36
1,1-Dichloropropene
Concen: 18.658 ug/l
RT: 5.690 min Scan# 755
Delta R.T. -0.000 min
Lab File: VX045406.D
Acq: 24 Mar 2025 11:42

Tgt Ion: 75 Resp: 28347

Ion	Ratio	Lower	Upper
75	100		
110	34.7	16.9	50.6
77	31.7	24.5	36.7



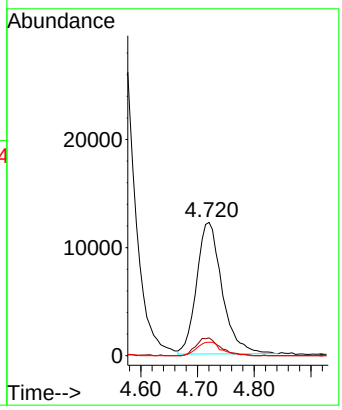


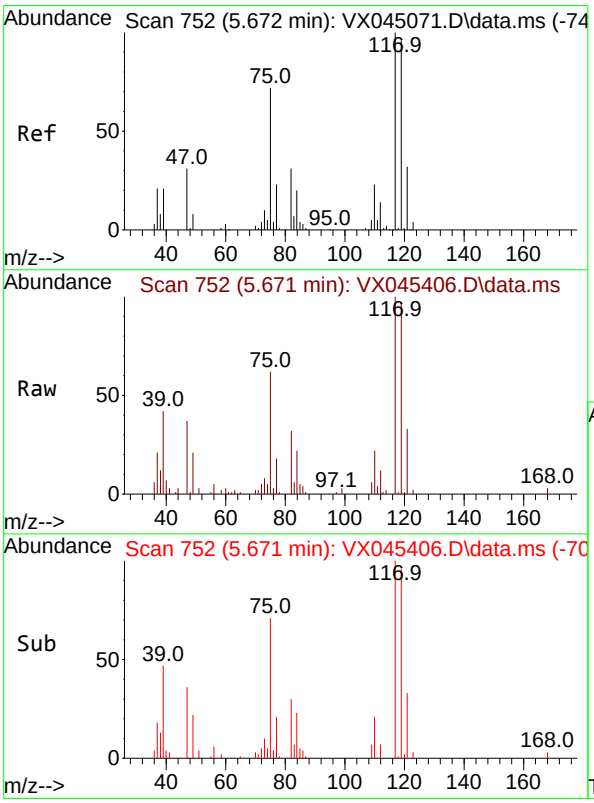
#37
Ethyl Acetate
Concen: 19.361 ug/l
RT: 4.720 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX045406.D
Acq: 24 Mar 2025 11:42

Instrument :
MSVOA_X
ClientSampleId :
VX0324WBS01

Tgt Ion: 43 Resp: 37903

Ion	Ratio	Lower	Upper
43	100		
61	12.9	10.8	16.2
70	9.9	7.7	11.5

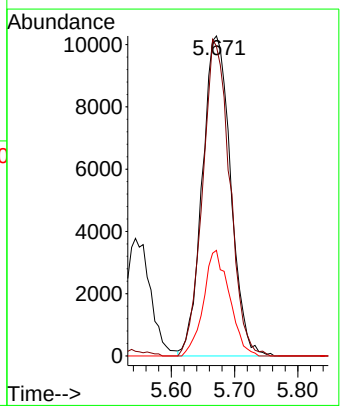


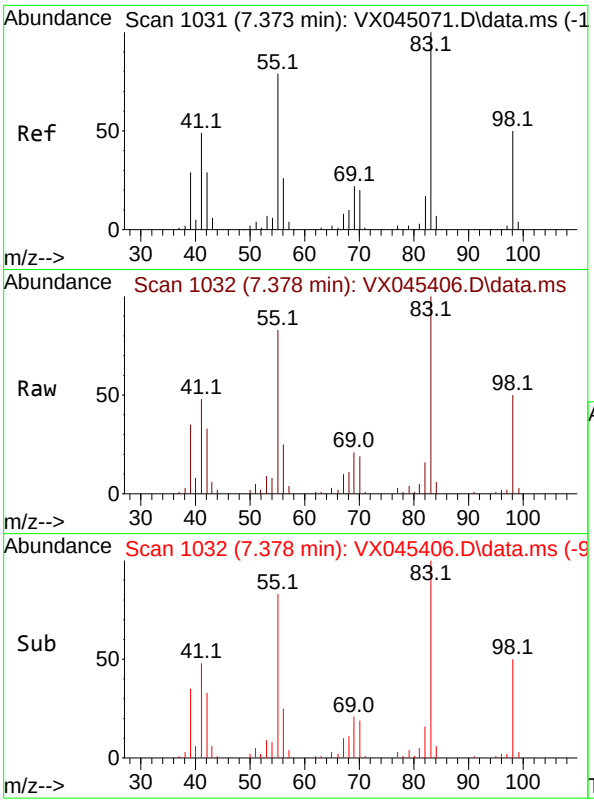


#38
Carbon Tetrachloride
Concen: 20.729 ug/l
RT: 5.671 min Scan# 752
Delta R.T. -0.000 min
Lab File: VX045406.D
Acq: 24 Mar 2025 11:42

Tgt Ion:117 Resp: 31973

Ion	Ratio	Lower	Upper
117	100		
119	96.7	76.7	115.1
121	33.0	25.5	38.3



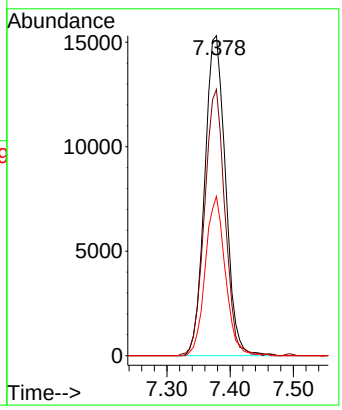


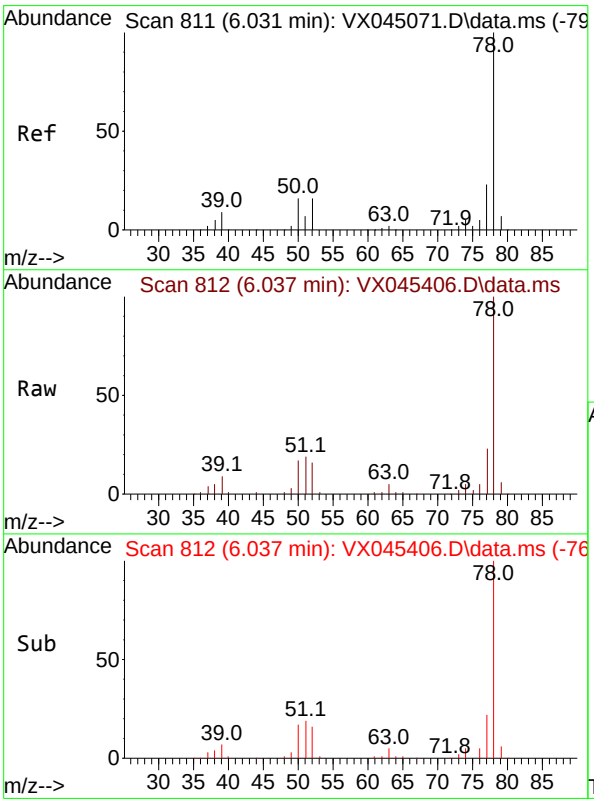
#39
Methylcyclohexane
Concen: 19.247 ug/l
RT: 7.378 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045406.D
Acq: 24 Mar 2025 11:42

Instrument :
MSVOA_X
ClientSampleId :
VX0324WBS01

Tgt Ion: 83 Resp: 35038

Ion	Ratio	Lower	Upper
83	100		
55	83.2	63.0	94.4
98	49.8	39.7	59.5

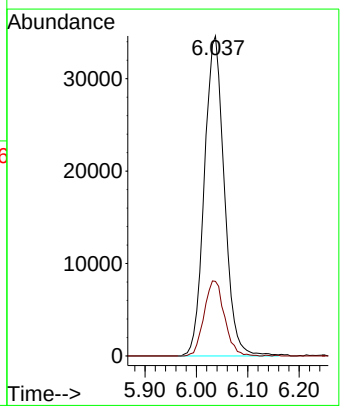


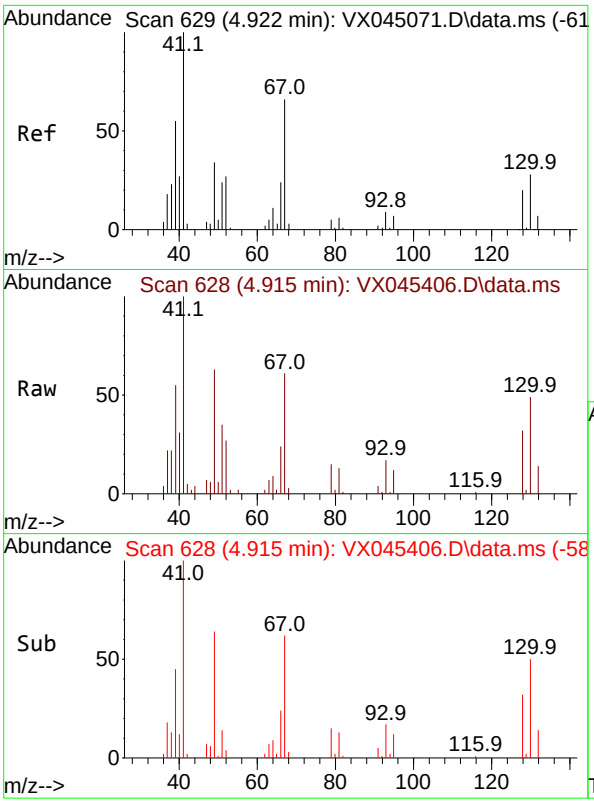


#40
Benzene
Concen: 19.447 ug/l
RT: 6.037 min Scan# 812
Delta R.T. 0.006 min
Lab File: VX045406.D
Acq: 24 Mar 2025 11:42

Tgt Ion: 78 Resp: 93297

Ion	Ratio	Lower	Upper
78	100		
77	23.3	18.8	28.2



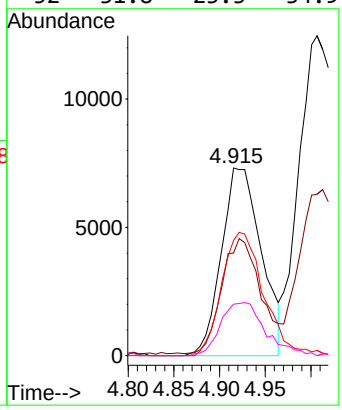


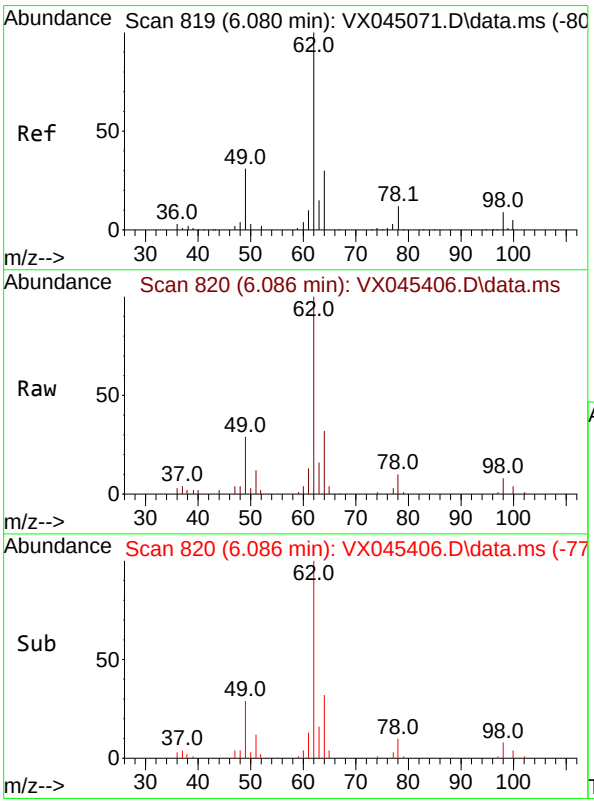
#41
Methacrylonitrile
Concen: 21.010 ug/l
RT: 4.915 min Scan# 6
Delta R.T. -0.007 min
Lab File: VX045406.D
Acq: 24 Mar 2025 11:42

Instrument :
MSVOA_X
ClientSampleId :
VX0324WBS01

Tgt Ion: 41 Resp: 22241

Ion	Ratio	Lower	Upper
41	100		
39	61.1	44.6	67.0
67	69.4	53.9	80.9
52	31.8	23.3	34.9

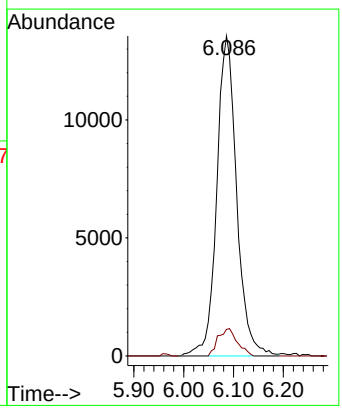


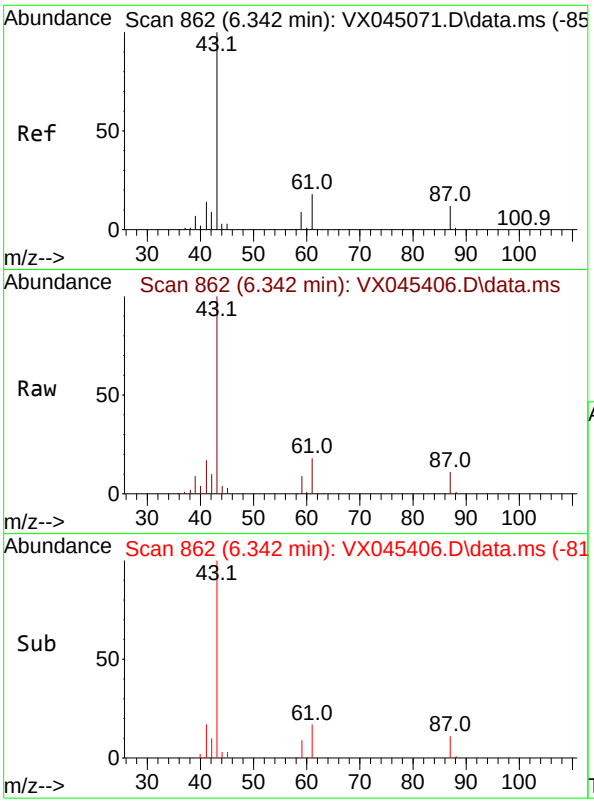


#42
1,2-Dichloroethane
Concen: 21.755 ug/l
RT: 6.086 min Scan# 820
Delta R.T. 0.006 min
Lab File: VX045406.D
Acq: 24 Mar 2025 11:42

Tgt Ion: 62 Resp: 37584

Ion	Ratio	Lower	Upper
62	100		
98	8.2	0.0	18.2



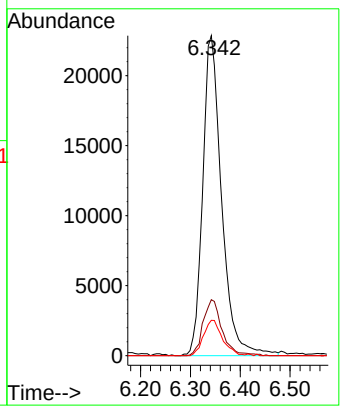


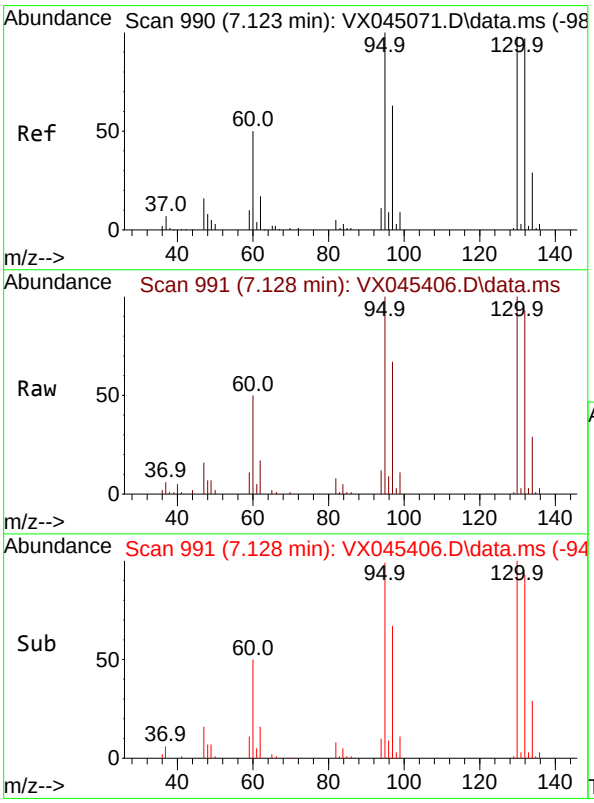
#43
Isopropyl Acetate
Concen: 20.808 ug/l
RT: 6.342 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045406.D
Acq: 24 Mar 2025 11:42

Instrument :
MSVOA_X
ClientSampleId :
VX0324WBS01

Tgt Ion: 43 Resp: 60236

Ion	Ratio	Lower	Upper
43	100		
61	17.6	14.9	22.3
87	11.2	9.4	14.2

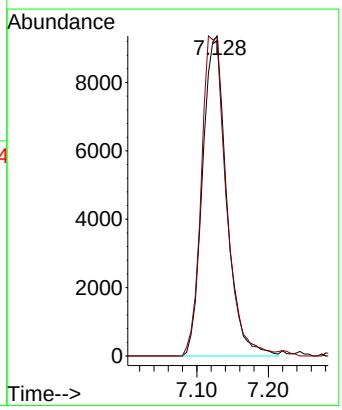


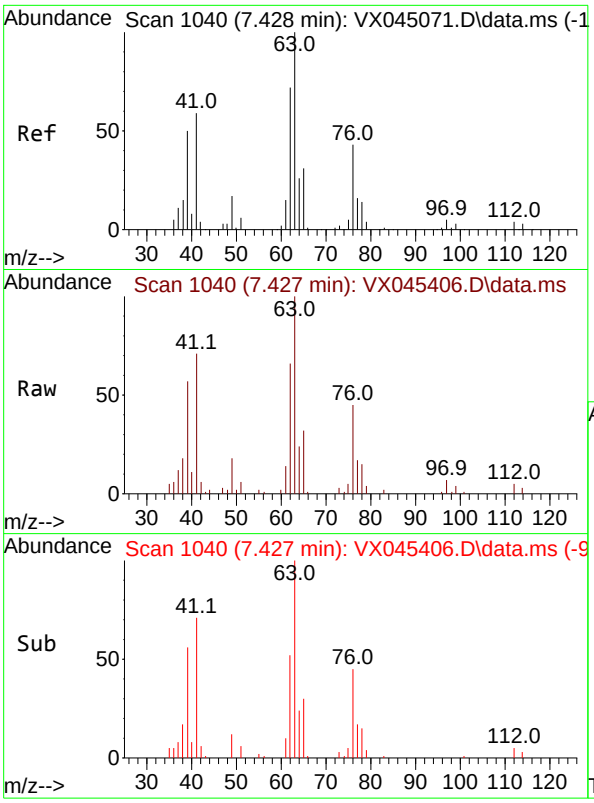


#44
Trichloroethene
Concen: 19.478 ug/l
RT: 7.128 min Scan# 991
Delta R.T. 0.006 min
Lab File: VX045406.D
Acq: 24 Mar 2025 11:42

Tgt Ion:130 Resp: 21942

Ion	Ratio	Lower	Upper
130	100		
95	99.6	0.0	205.0



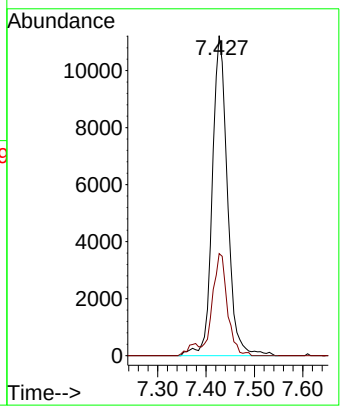


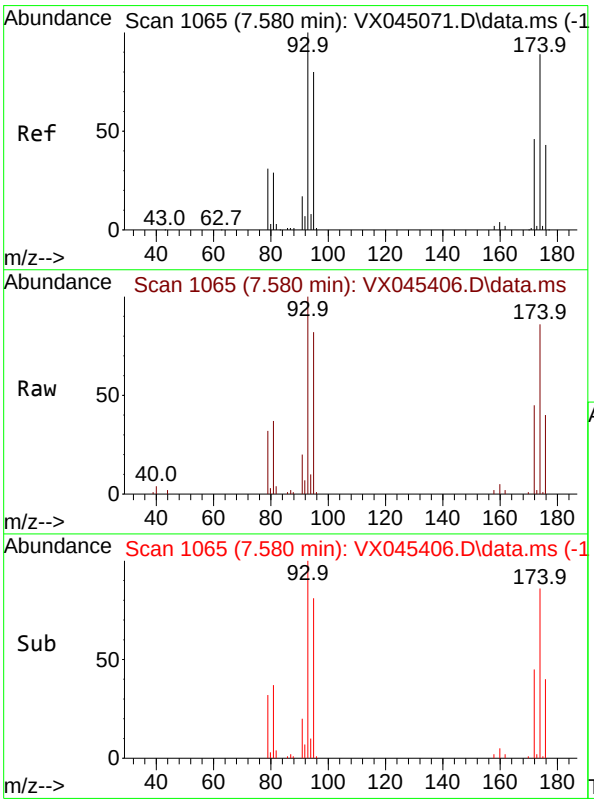
#45
1,2-Dichloropropane
Concen: 19.862 ug/l
RT: 7.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045406.D
Acq: 24 Mar 2025 11:42

Instrument :
MSVOA_X
ClientSampleId :
VX0324WBS01

Tgt Ion: 63 Resp: 24500

Ion	Ratio	Lower	Upper
63	100		
65	31.9	24.7	37.1

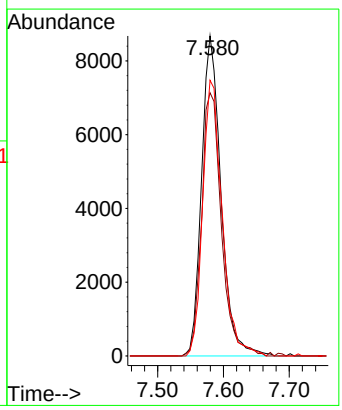


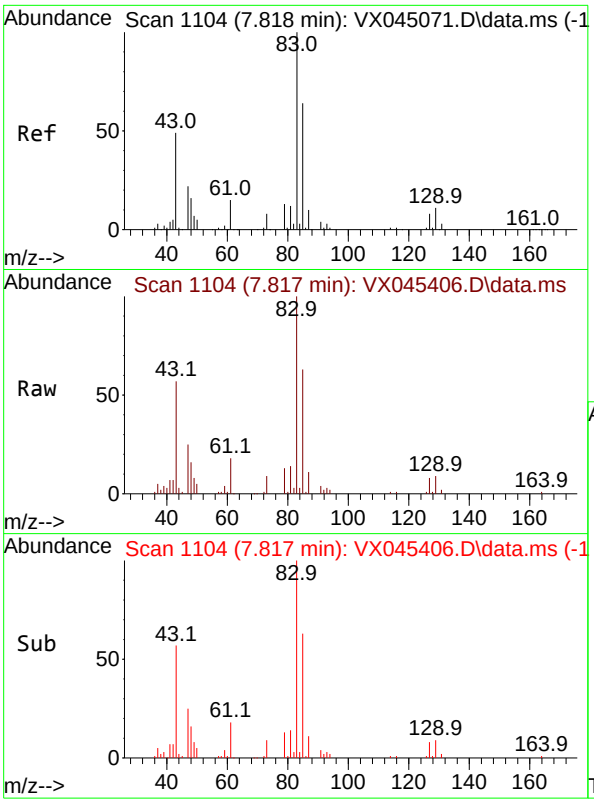


#46
Dibromomethane
Concen: 20.492 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VX045406.D
Acq: 24 Mar 2025 11:42

Tgt Ion: 93 Resp: 17866

Ion	Ratio	Lower	Upper
93	100		
95	83.9	65.8	98.8
174	86.2	72.2	108.2



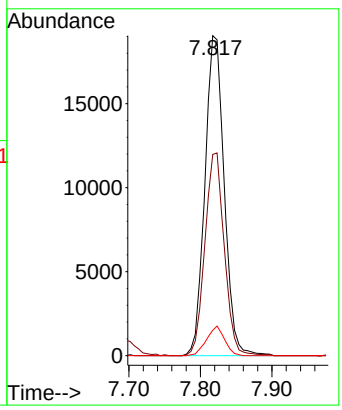


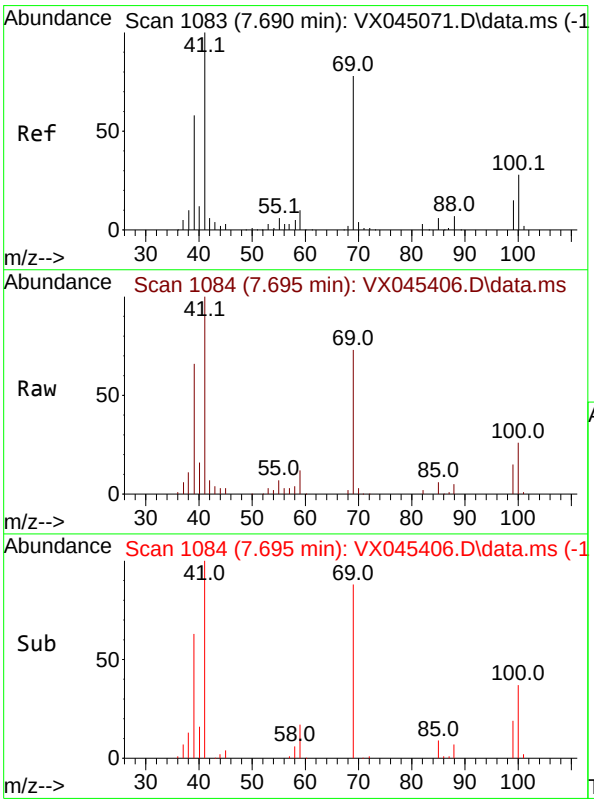
#47
Bromodichloromethane
Concen: 20.933 ug/l
RT: 7.817 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045406.D
Acq: 24 Mar 2025 11:42

Instrument :
MSVOA_X
ClientSampleId :
VX0324WBS01

Tgt Ion: 83 Resp: 35799

Ion	Ratio	Lower	Upper
83	100		
85	62.9	51.1	76.7
127	8.0	6.4	9.6

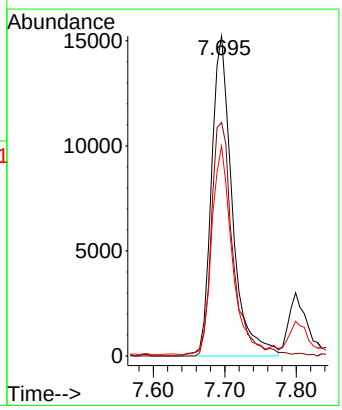


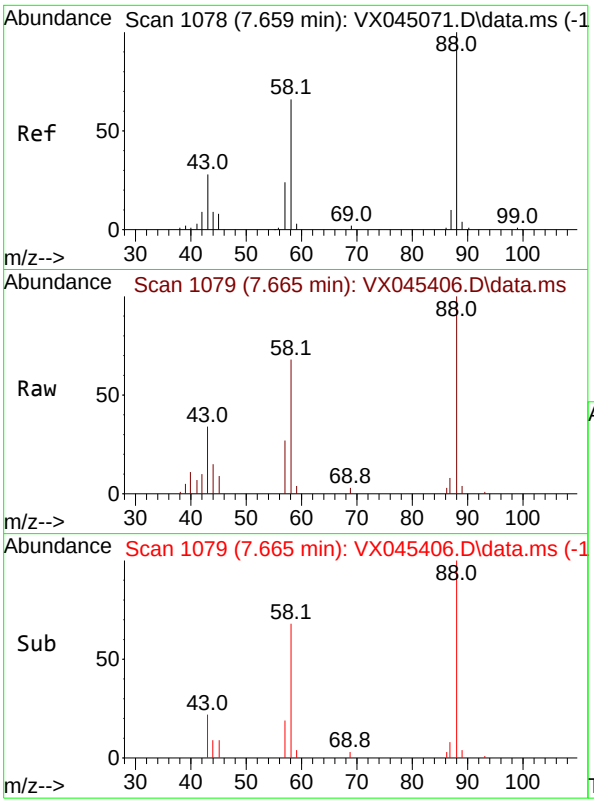


#48
Methyl methacrylate
Concen: 21.113 ug/l
RT: 7.695 min Scan# 1084
Delta R.T. 0.006 min
Lab File: VX045406.D
Acq: 24 Mar 2025 11:42

Tgt Ion: 41 Resp: 30664

Ion	Ratio	Lower	Upper
41	100		
69	75.2	63.0	94.6
39	64.0	47.5	71.3



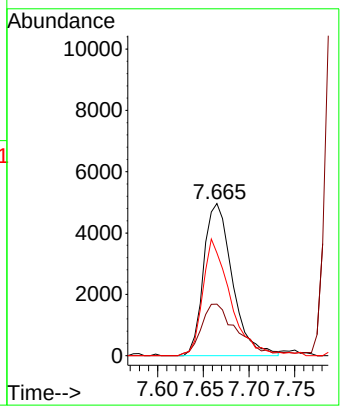


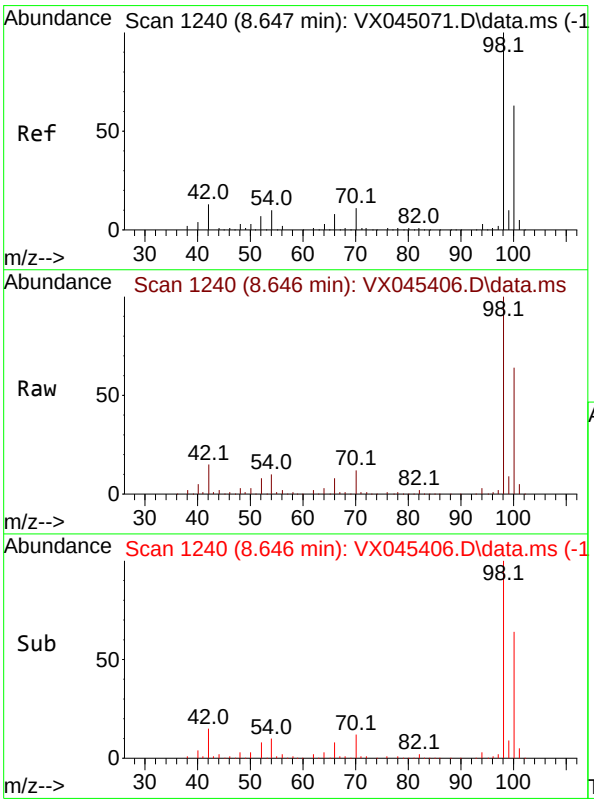
#49
1,4-Dioxane
Concen: 354.685 ug/l
RT: 7.665 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045406.D
Acq: 24 Mar 2025 11:42

Instrument :
MSVOA_X
ClientSampleId :
VX0324WBS01

Tgt Ion: 88 Resp: 10866

Ion	Ratio	Lower	Upper
88	100		
43	41.6	28.7	43.1
58	74.3	55.8	83.8

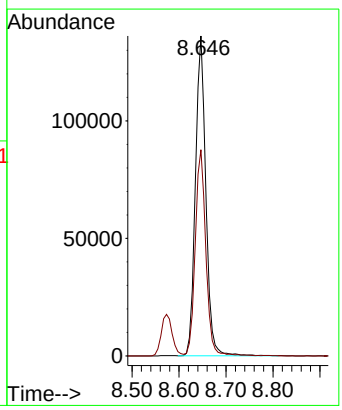


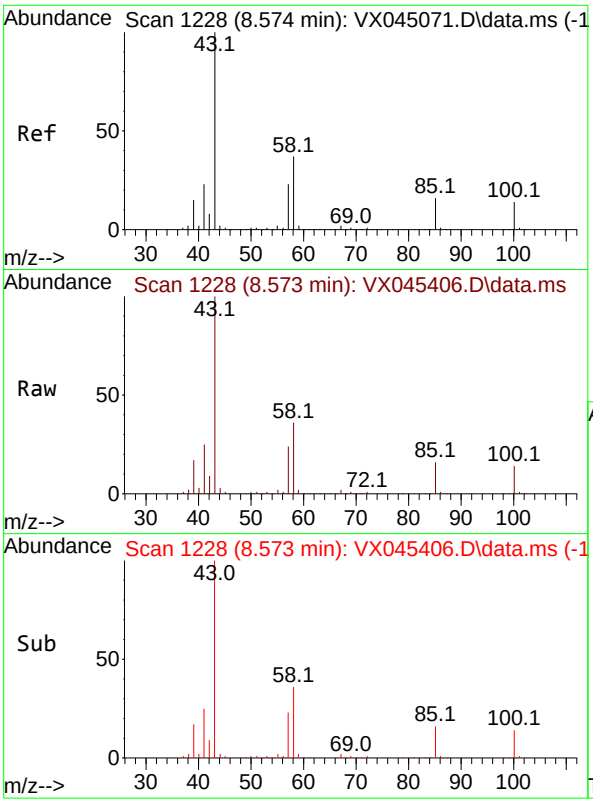


#50
Toluene-d8
Concen: 52.555 ug/l
RT: 8.646 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045406.D
Acq: 24 Mar 2025 11:42

Tgt Ion: 98 Resp: 211080

Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.0	78.0



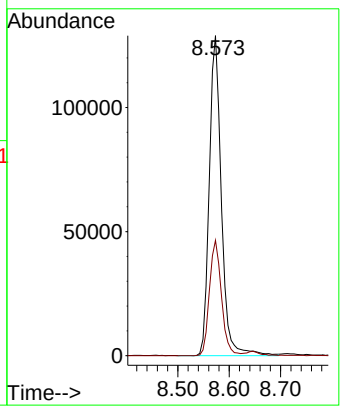


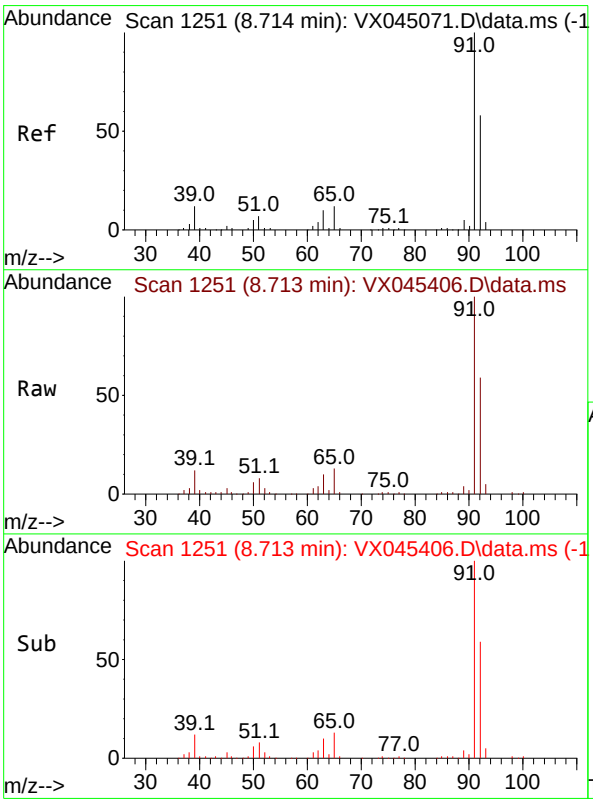
#51
4-Methyl-2-Pentanone
Concen: 108.606 ug/l
RT: 8.573 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045406.D
Acq: 24 Mar 2025 11:42

Instrument :
MSVOA_X
ClientSampleId :
VX0324WBS01

Tgt Ion: 43 Resp: 211104

Ion	Ratio	Lower	Upper
43	100		
58	35.7	29.2	43.8

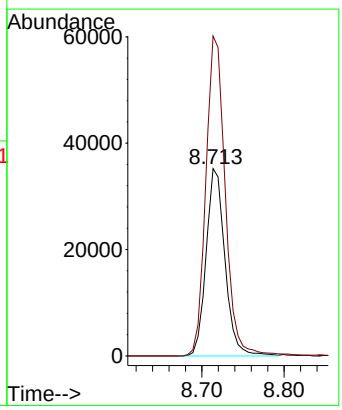


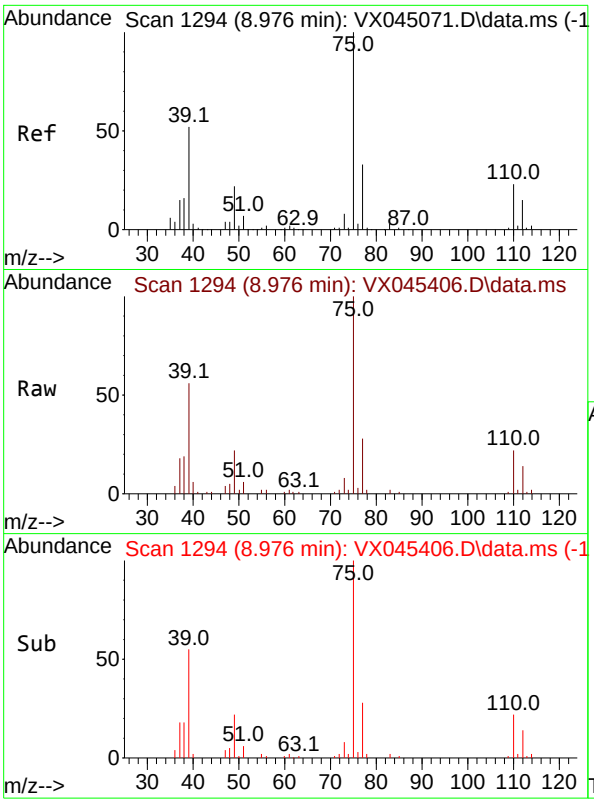


#52
Toluene
Concen: 19.962 ug/l
RT: 8.713 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX045406.D
Acq: 24 Mar 2025 11:42

Tgt Ion: 92 Resp: 56190

Ion	Ratio	Lower	Upper
92	100		
91	175.5	138.9	208.3



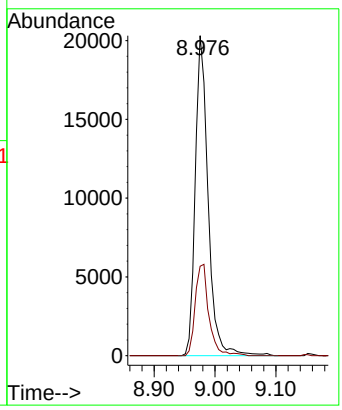


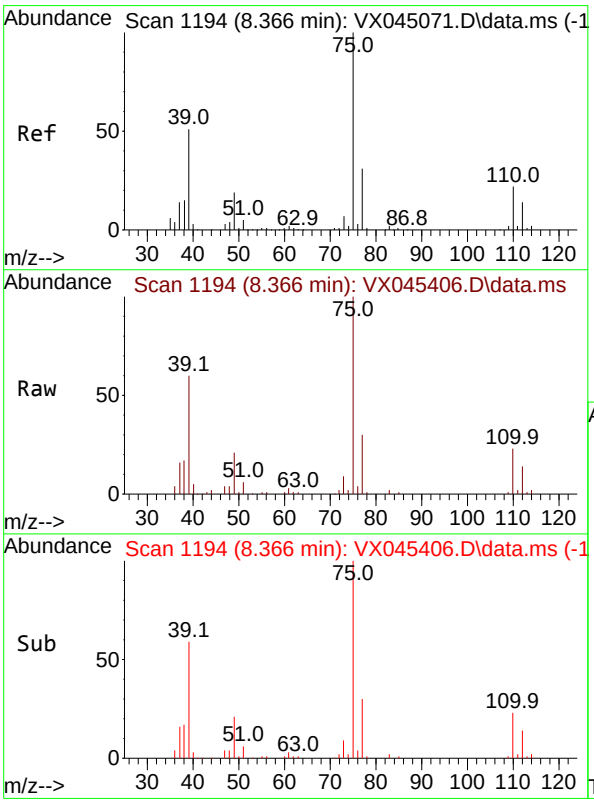
#53
t-1,3-Dichloropropene
Concen: 20.756 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045406.D
Acq: 24 Mar 2025 11:42

Instrument :
MSVOA_X
ClientSampleId :
VX0324WBS01

Tgt Ion: 75 Resp: 29674

Ion	Ratio	Lower	Upper
75	100		
77	27.9	26.5	39.7

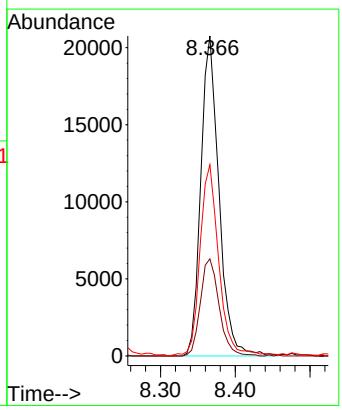


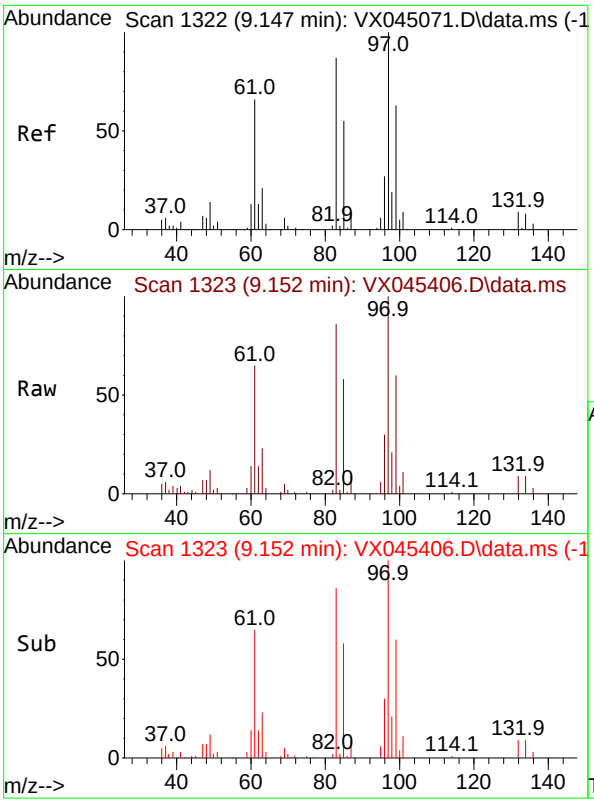


#54
cis-1,3-Dichloropropene
Concen: 20.995 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. -0.000 min
Lab File: VX045406.D
Acq: 24 Mar 2025 11:42

Tgt Ion: 75 Resp: 35002

Ion	Ratio	Lower	Upper
75	100		
77	30.4	24.7	37.1
39	59.3	40.7	61.1



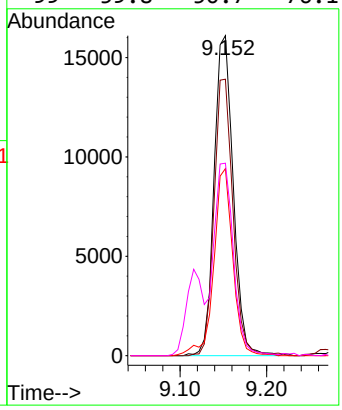


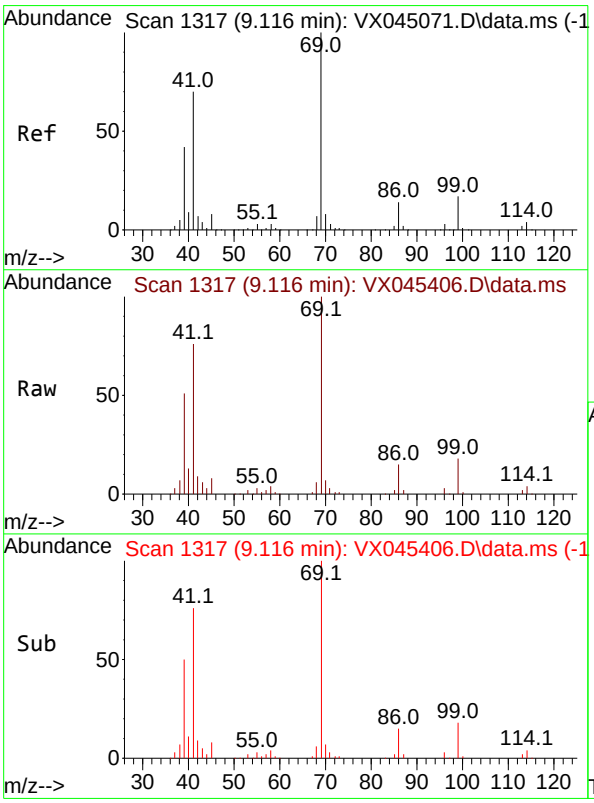
#55
1,1,2-Trichloroethane
Concen: 21.281 ug/l
RT: 9.152 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045406.D
Acq: 24 Mar 2025 11:42

Instrument :
MSVOA_X
ClientSampleId :
VX0324WBS01

Tgt Ion: 97 Resp: 24660

Ion	Ratio	Lower	Upper
97	100		
83	86.4	69.4	104.2
85	58.5	44.1	66.1
99	59.8	50.7	76.1

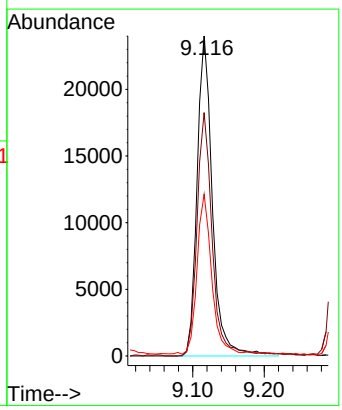


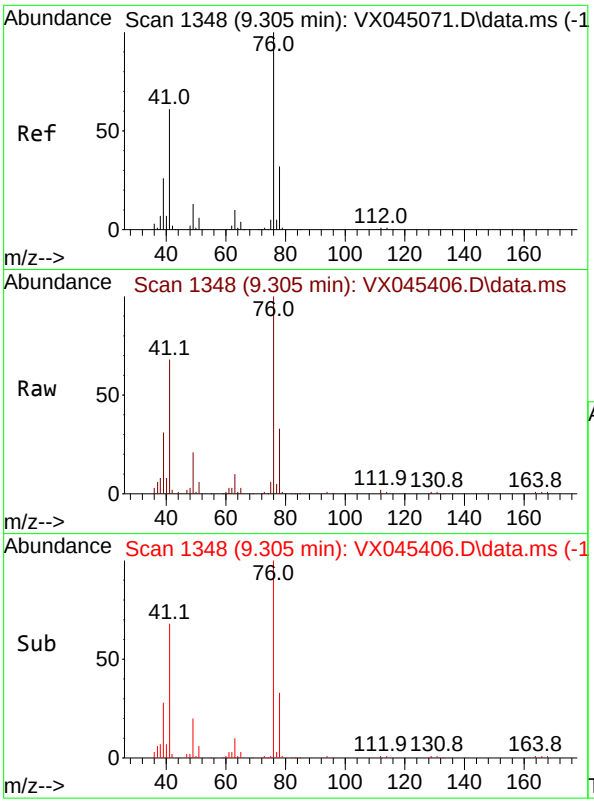


#56
Ethyl methacrylate
Concen: 20.307 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX045406.D
Acq: 24 Mar 2025 11:42

Tgt Ion: 69 Resp: 35770

Ion	Ratio	Lower	Upper
69	100		
41	75.1	57.0	85.4
39	47.2	34.2	51.4



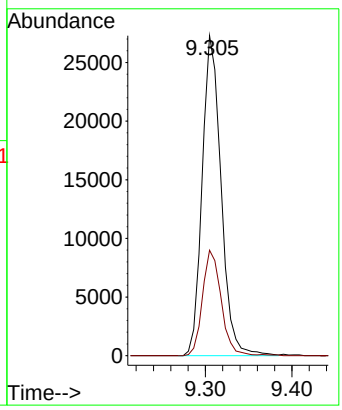


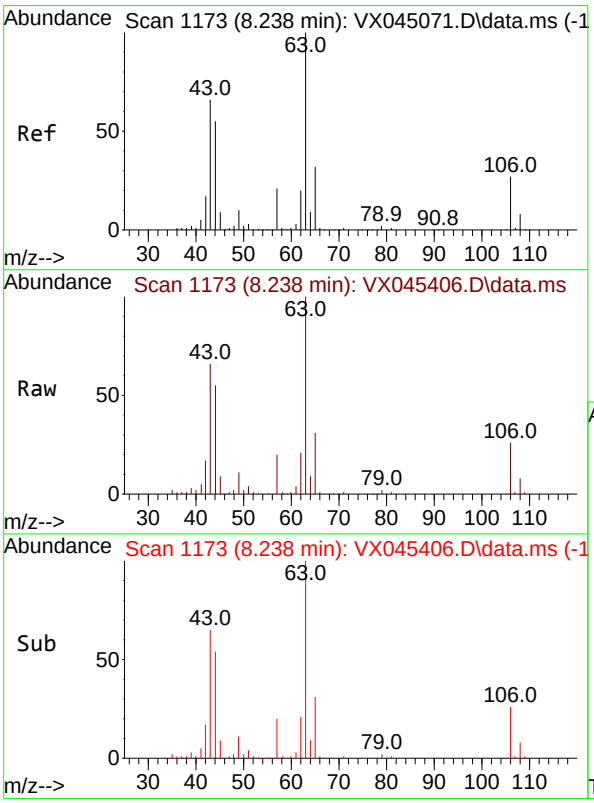
#57
1,3-Dichloropropane
Concen: 20.668 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045406.D
Acq: 24 Mar 2025 11:42

Instrument :
MSVOA_X
ClientSampleId :
VX0324WBS01

Tgt Ion: 76 Resp: 41448

Ion	Ratio	Lower	Upper
76	100		
78	32.6	25.5	38.3

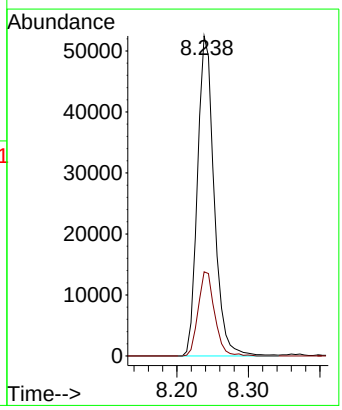


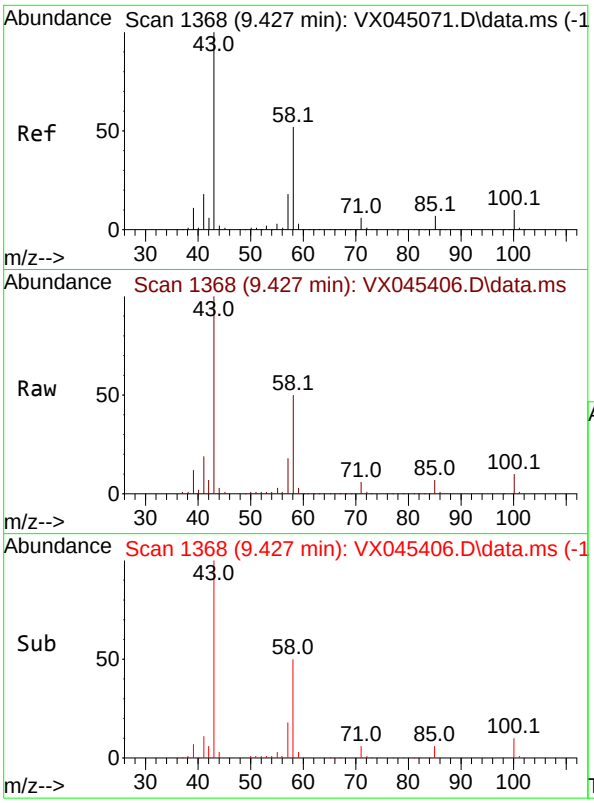


#58
2-Chloroethyl Vinyl ether
Concen: 98.601 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX045406.D
Acq: 24 Mar 2025 11:42

Tgt Ion: 63 Resp: 84723

Ion	Ratio	Lower	Upper
63	100		
106	26.0	21.5	32.3



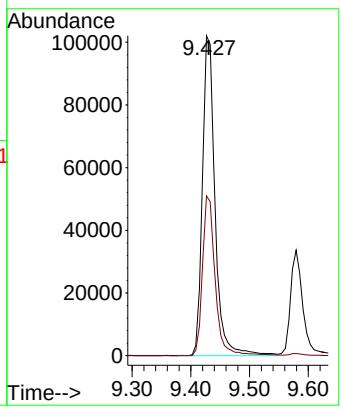


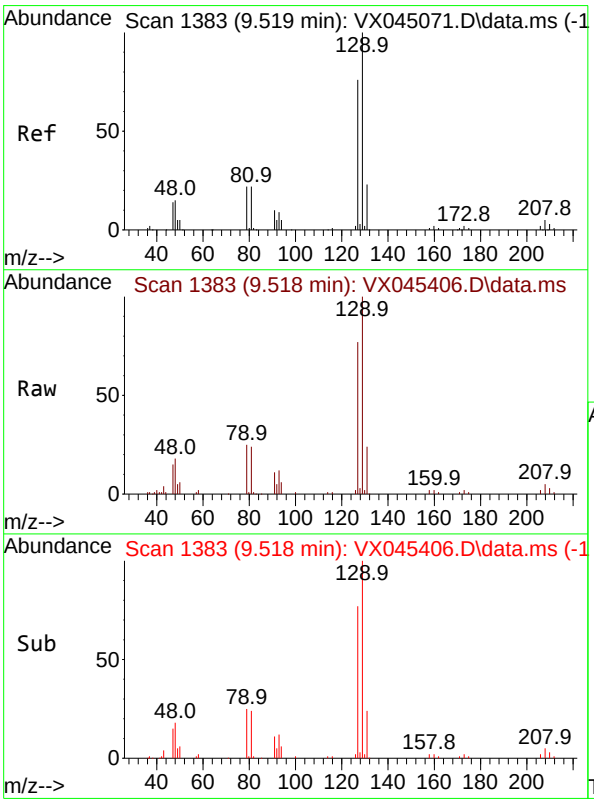
#59
2-Hexanone
Concen: 108.646 ug/l
RT: 9.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045406.D
Acq: 24 Mar 2025 11:42

Instrument :
MSVOA_X
ClientSampleId :
VX0324WBS01

Tgt Ion: 43 Resp: 153010

Ion	Ratio	Lower	Upper
43	100		
58	50.3	25.9	77.6

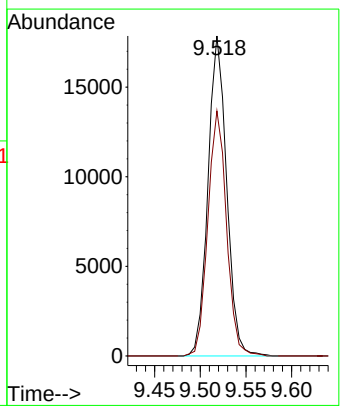


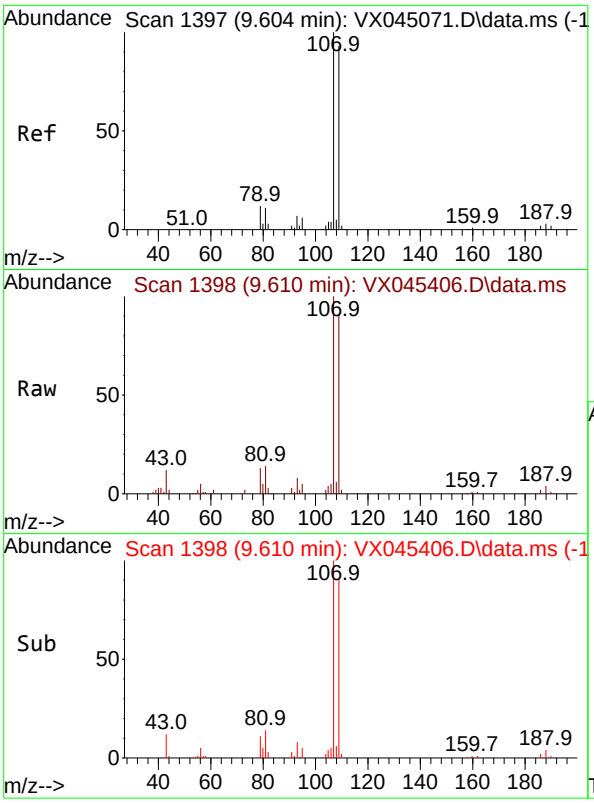


#60
Dibromochloromethane
Concen: 20.849 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX045406.D
Acq: 24 Mar 2025 11:42

Tgt Ion:129 Resp: 25261

Ion	Ratio	Lower	Upper
129	100		
127	76.5	38.5	115.5



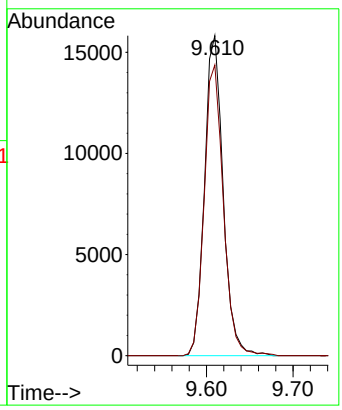


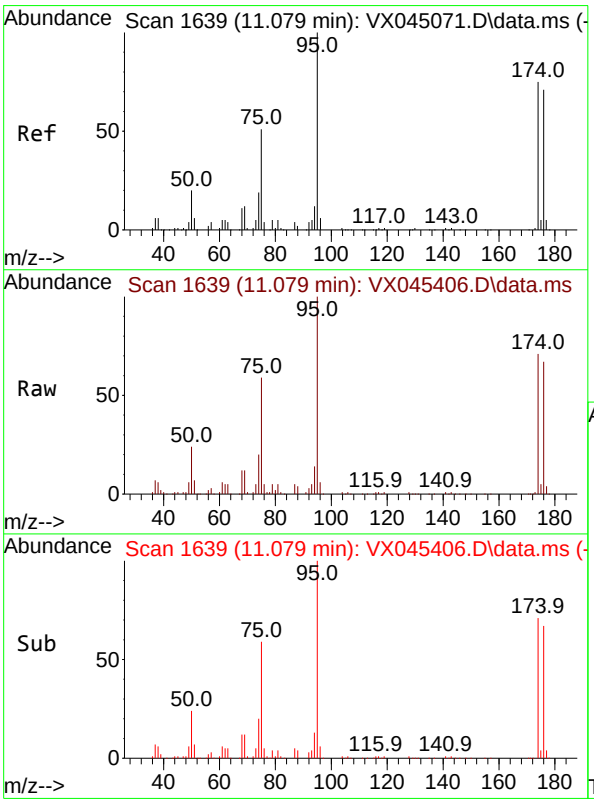
#61
1,2-Dibromoethane
Concen: 20.386 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045406.D
Acq: 24 Mar 2025 11:42

Instrument :
MSVOA_X
ClientSampleId :
VX0324WBS01

Tgt Ion:107 Resp: 23583

Ion	Ratio	Lower	Upper
107	100		
109	93.7	76.1	114.1

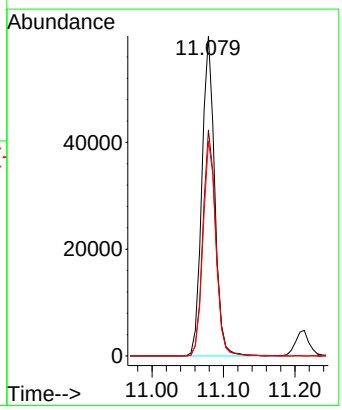


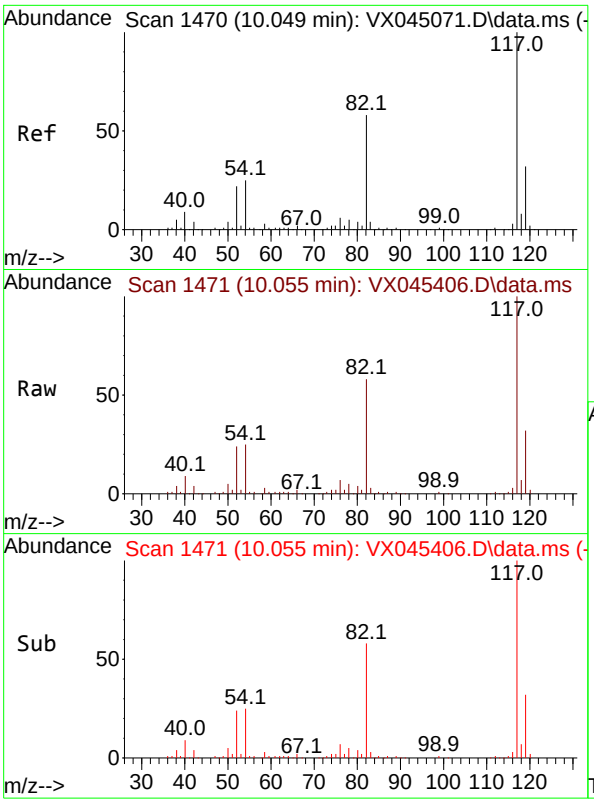


#62
4-Bromofluorobenzene
Concen: 55.853 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045406.D
Acq: 24 Mar 2025 11:42

Tgt Ion: 95 Resp: 74334

Ion	Ratio	Lower	Upper
95	100		
174	71.3	0.0	148.2
176	67.9	0.0	141.4



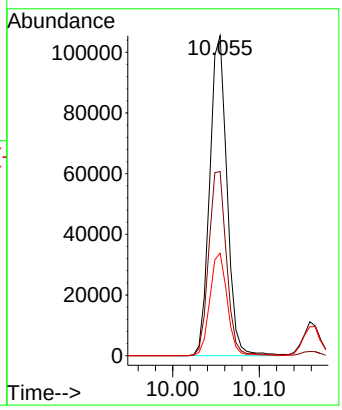


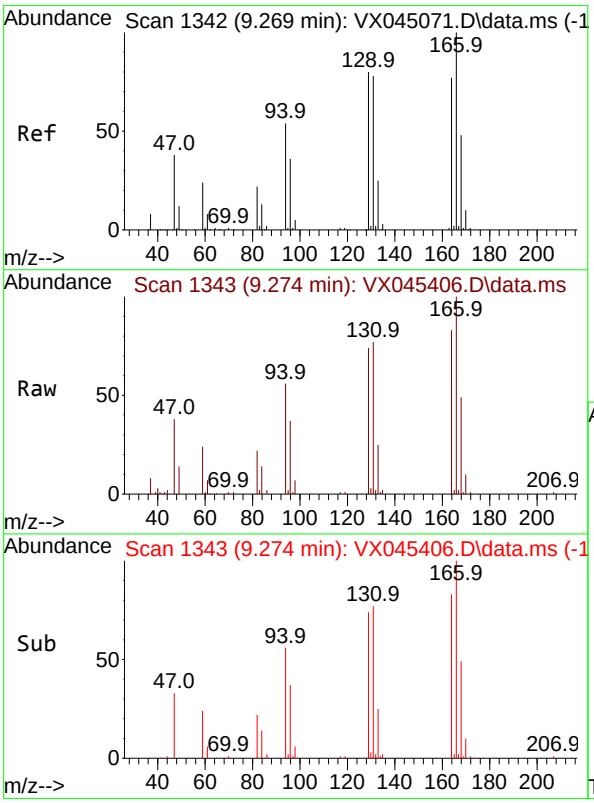
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX045406.D
Acq: 24 Mar 2025 11:42

Instrument :
MSVOA_X
ClientSampleId :
VX0324WBS01

Tgt Ion:117 Resp: 146061

Ion	Ratio	Lower	Upper
117	100		
82	57.5	46.3	69.5
119	32.0	25.7	38.5

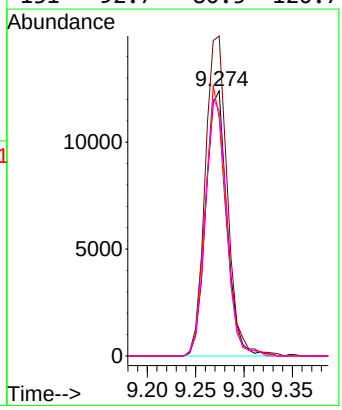


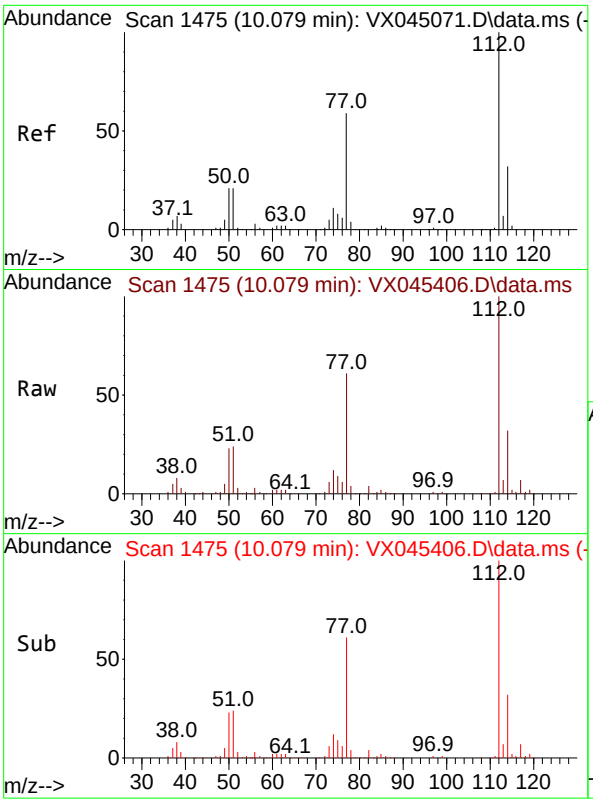


#64
Tetrachloroethene
Concen: 20.220 ug/l
RT: 9.274 min Scan# 1343
Delta R.T. 0.006 min
Lab File: VX045406.D
Acq: 24 Mar 2025 11:42

Tgt Ion:164 Resp: 18915

Ion	Ratio	Lower	Upper
164	100		
166	120.8	103.6	155.4
129	89.9	82.7	124.1
131	92.7	80.5	120.7



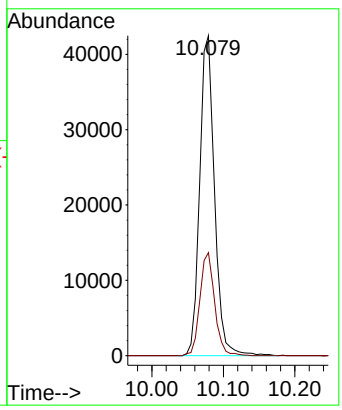


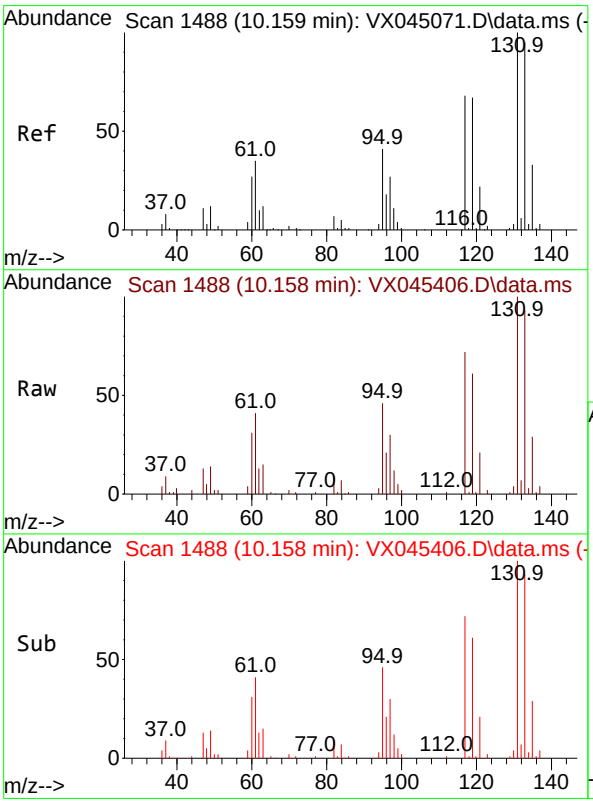
#65
Chlorobenzene
Concen: 19.801 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045406.D
Acq: 24 Mar 2025 11:42

Instrument :
MSVOA_X
ClientSampleId :
VX0324WBS01

Tgt Ion:112 Resp: 61196

Ion	Ratio	Lower	Upper
112	100		
114	32.2	26.0	39.0

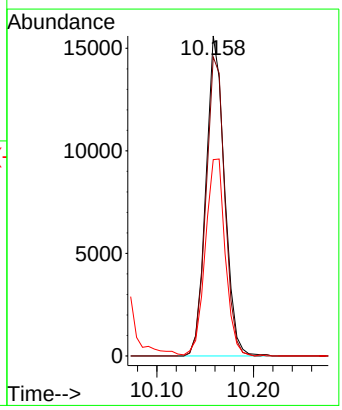


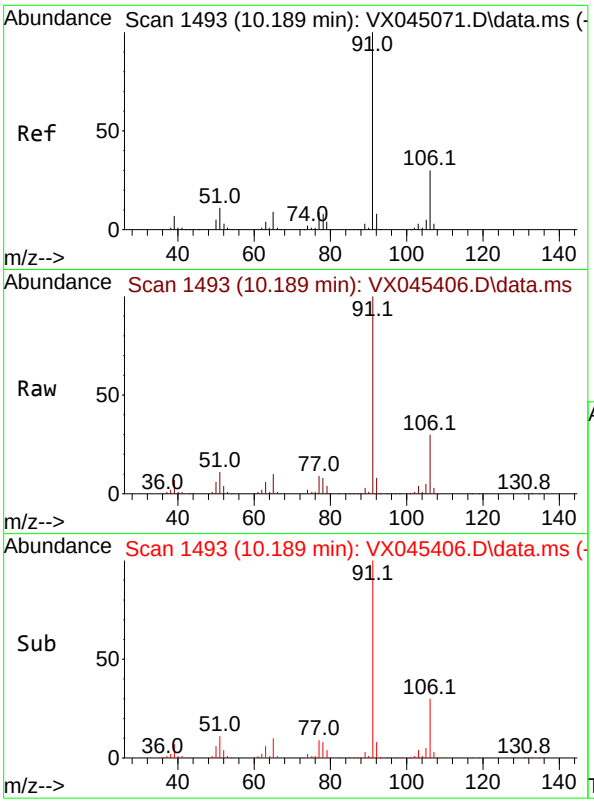


#66
1,1,1,2-Tetrachloroethane
Concen: 20.295 ug/l
RT: 10.158 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX045406.D
Acq: 24 Mar 2025 11:42

Tgt Ion:131 Resp: 20888

Ion	Ratio	Lower	Upper
131	100		
133	94.1	48.6	145.9
119	66.0	33.9	101.7



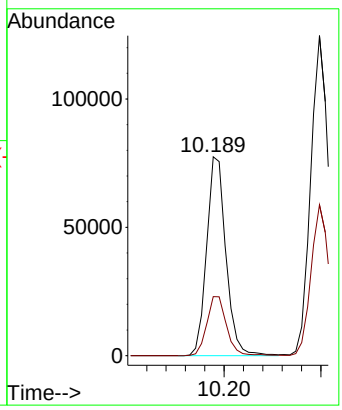


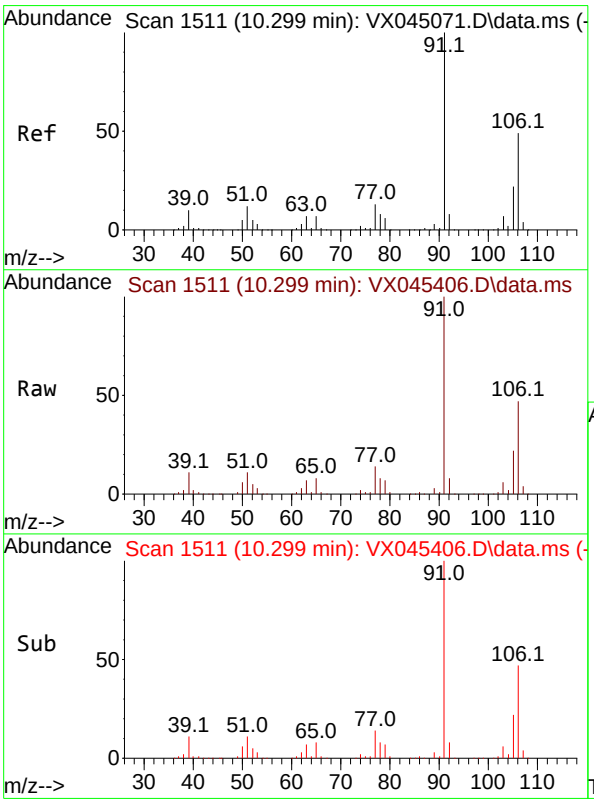
#67
Ethyl Benzene
Concen: 19.924 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045406.D
Acq: 24 Mar 2025 11:42

Instrument :
MSVOA_X
ClientSampleId :
VX0324WBS01

Tgt Ion: 91 Resp: 107297

Ion	Ratio	Lower	Upper
91	100		
106	29.7	23.9	35.9

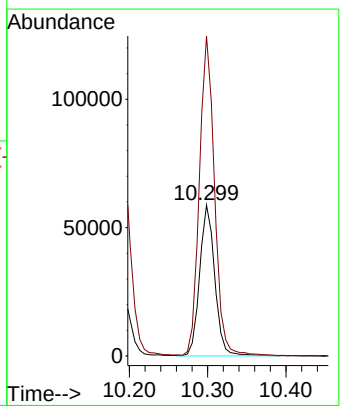


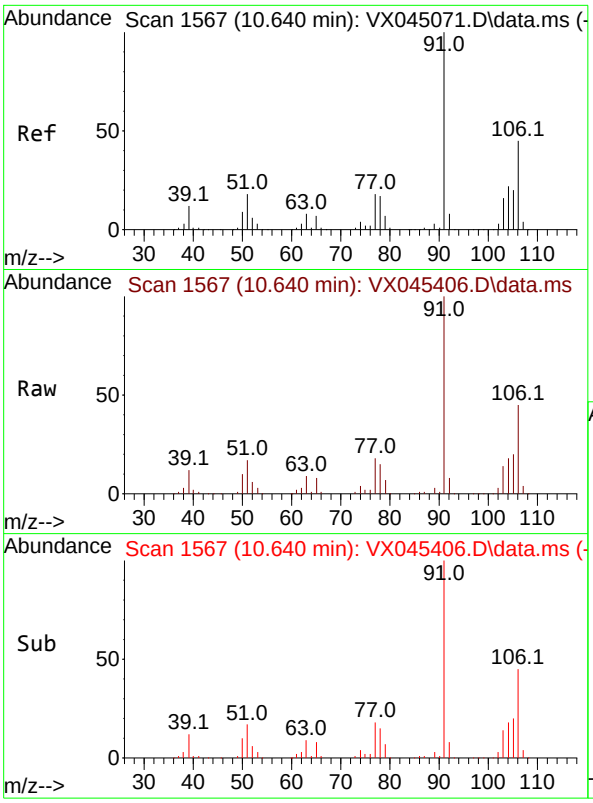


#68
m/p-Xylenes
Concen: 39.931 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX045406.D
Acq: 24 Mar 2025 11:42

Tgt Ion:106 Resp: 78719

Ion	Ratio	Lower	Upper
106	100		
91	212.9	165.4	248.0



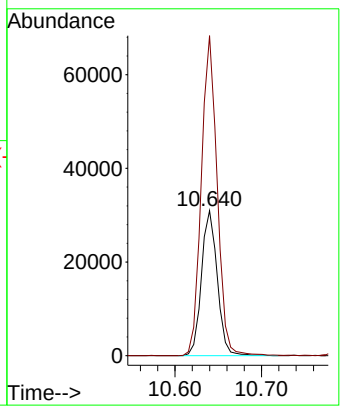


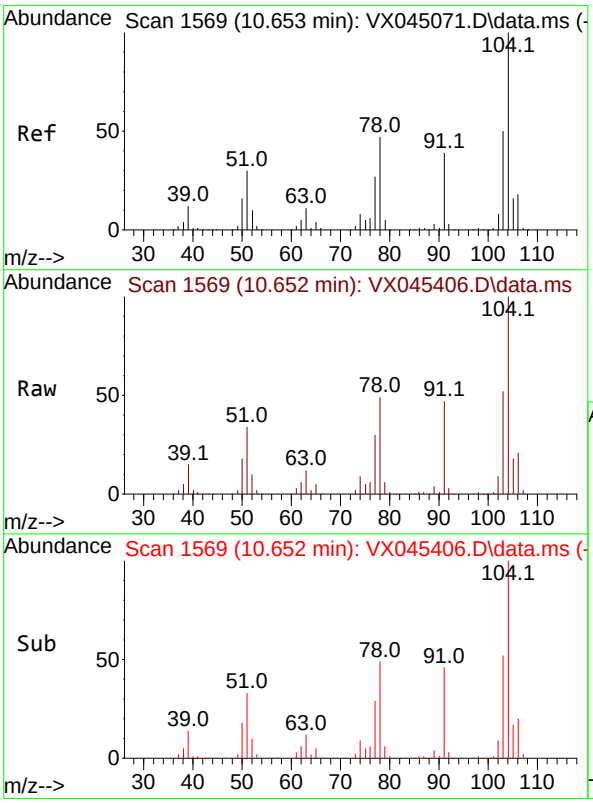
#69
o-Xylene
Concen: 19.718 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045406.D
Acq: 24 Mar 2025 11:42

Instrument :
MSVOA_X
ClientSampleId :
VX0324WBS01

Tgt Ion:106 Resp: 39204

Ion	Ratio	Lower	Upper
106	100		
91	221.6	109.9	329.6

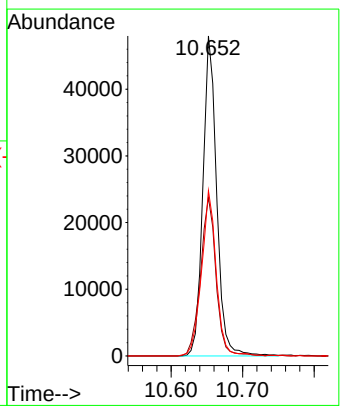


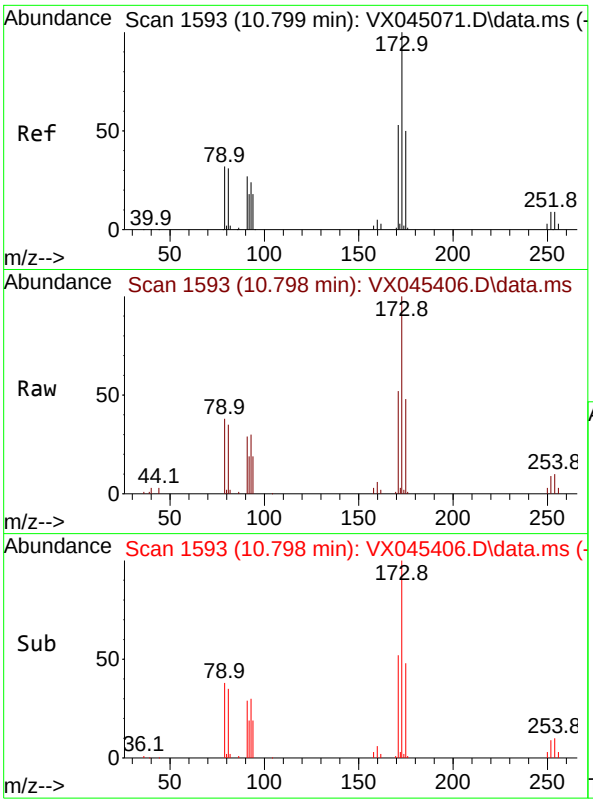


#70
Styrene
Concen: 20.038 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX045406.D
Acq: 24 Mar 2025 11:42

Tgt Ion:104 Resp: 64466

Ion	Ratio	Lower	Upper
104	100		
78	55.5	42.2	63.4
103	55.1	43.8	65.8



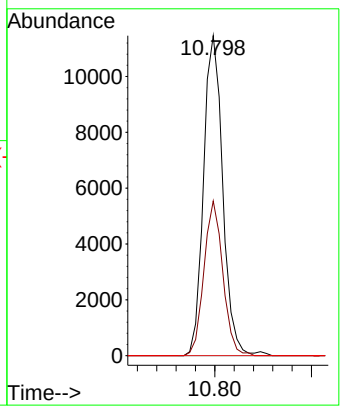


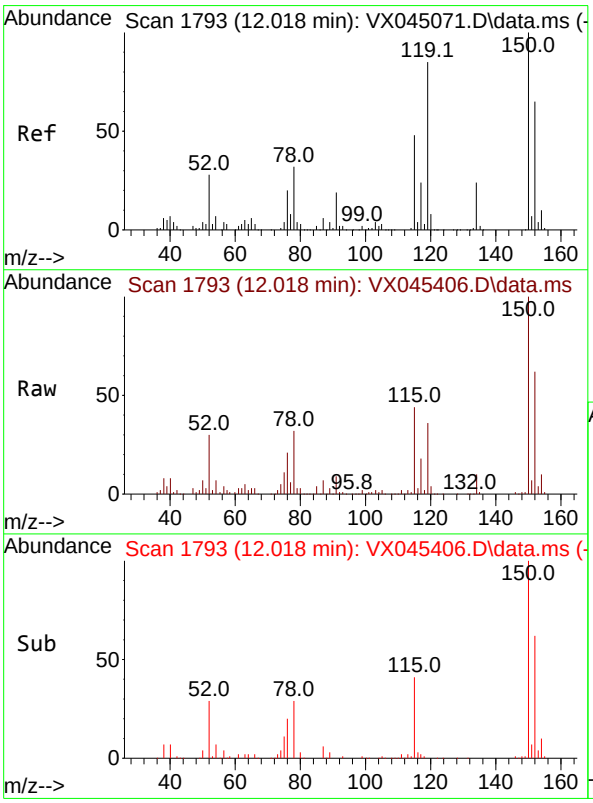
#71
Bromoform
Concen: 20.388 ug/l
RT: 10.798 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045406.D
Acq: 24 Mar 2025 11:42

Instrument :
MSVOA_X
ClientSampleId :
VX0324WBS01

Tgt Ion:173 Resp: 15824

Ion	Ratio	Lower	Upper
173	100		
175	47.5	24.6	73.6
254	0.0	0.0	0.0

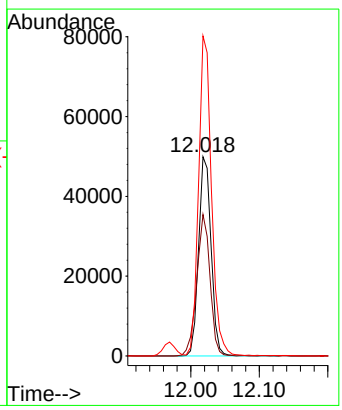


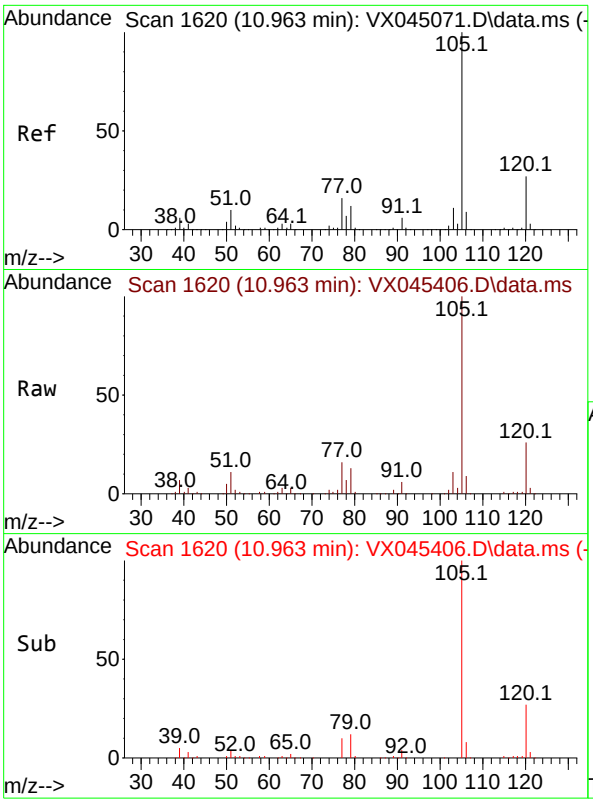


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045406.D
Acq: 24 Mar 2025 11:42

Tgt Ion:152 Resp: 63508

Ion	Ratio	Lower	Upper
152	100		
115	75.1	44.2	132.6
150	165.8	0.0	349.0



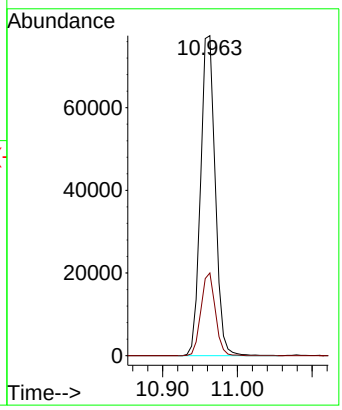


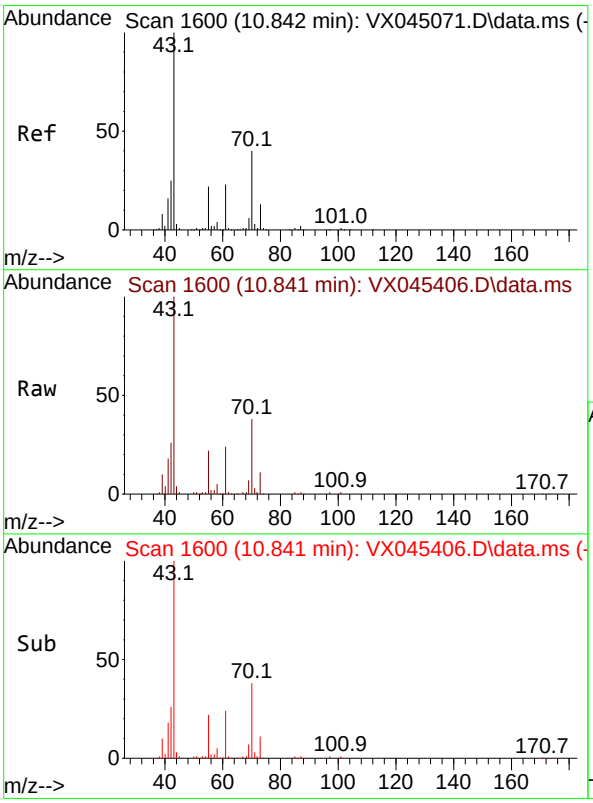
#73
Isopropylbenzene
Concen: 21.241 ug/l
RT: 10.963 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045406.D
Acq: 24 Mar 2025 11:42

Instrument :
MSVOA_X
ClientSampleId :
VX0324WBS01

Tgt Ion:105 Resp: 105292

Ion	Ratio	Lower	Upper
105	100		
120	25.4	13.2	39.5

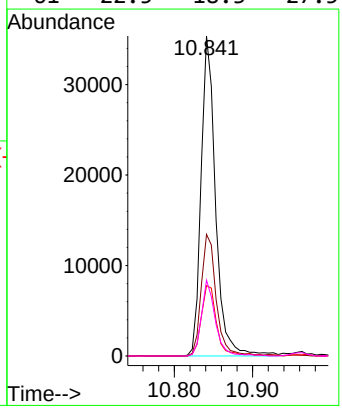


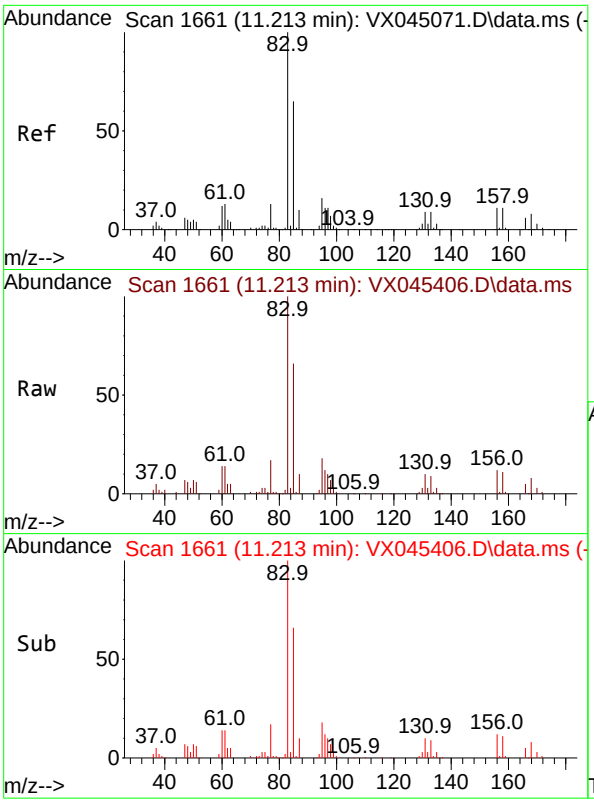


#74
N-amyl acetate
Concen: 19.594 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX045406.D
Acq: 24 Mar 2025 11:42

Tgt Ion: 43 Resp: 45575

Ion	Ratio	Lower	Upper
43	100		
70	39.3	31.8	47.6
55	23.3	18.3	27.5
61	22.5	18.3	27.5



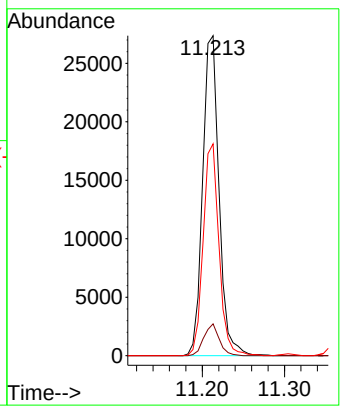


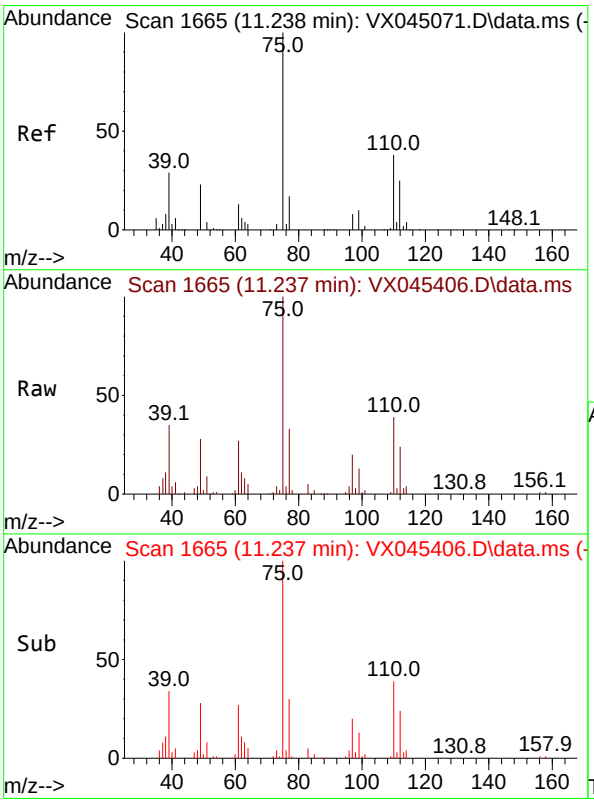
#75
1,1,2,2-Tetrachloroethane
Concen: 20.786 ug/l
RT: 11.213 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045406.D
Acq: 24 Mar 2025 11:42

Instrument :
MSVOA_X
ClientSampleId :
VX0324WBS01

Tgt Ion: 83 Resp: 37810

Ion	Ratio	Lower	Upper
83	100		
131	9.4	4.5	13.4
85	64.1	31.7	95.1

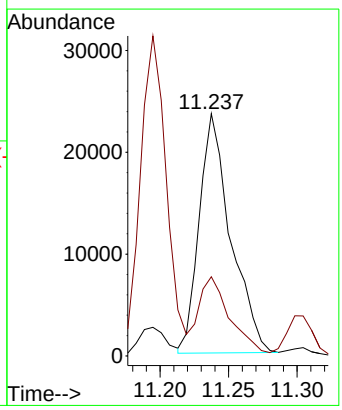


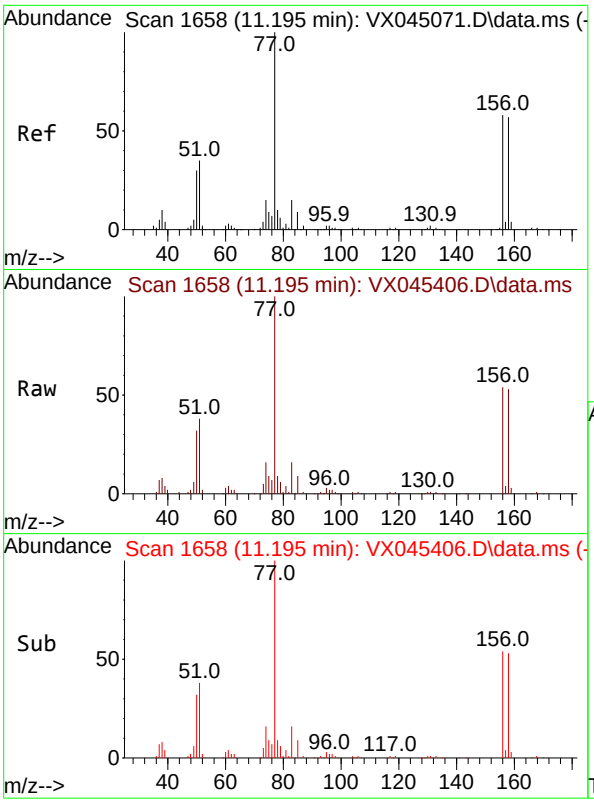


#76
1,2,3-Trichloropropane
Concen: 25.474 ug/l
RT: 11.237 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX045406.D
Acq: 24 Mar 2025 11:42

Tgt Ion: 75 Resp: 37654

Ion	Ratio	Lower	Upper
75	100		
77	33.4	20.7	62.1



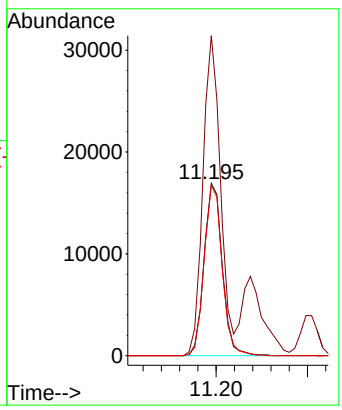


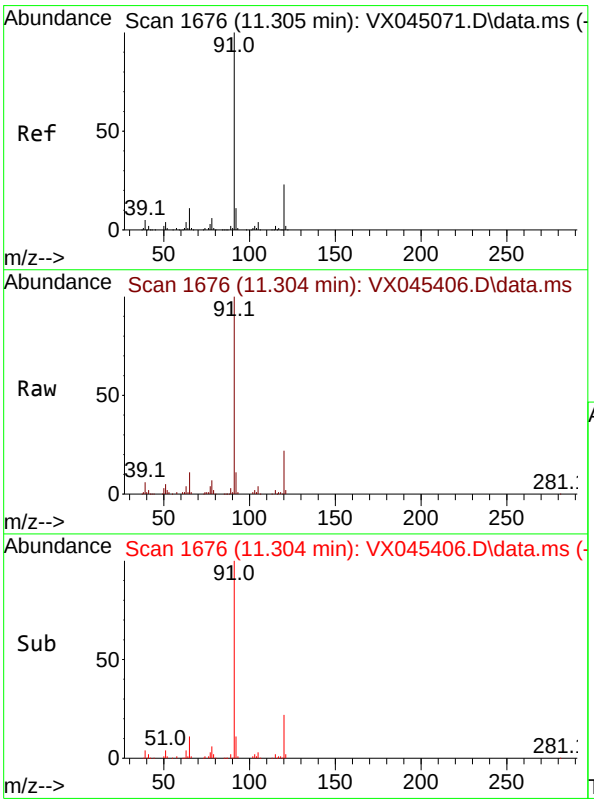
#77
Bromobenzene
Concen: 19.981 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045406.D
Acq: 24 Mar 2025 11:42

Instrument :
MSVOA_X
ClientSampleId :
VX0324WBS01

Tgt Ion:156 Resp: 23369

Ion	Ratio	Lower	Upper
156	100		
77	179.2	85.8	257.4
158	97.9	48.4	145.2

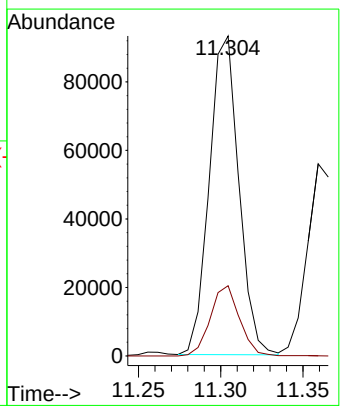


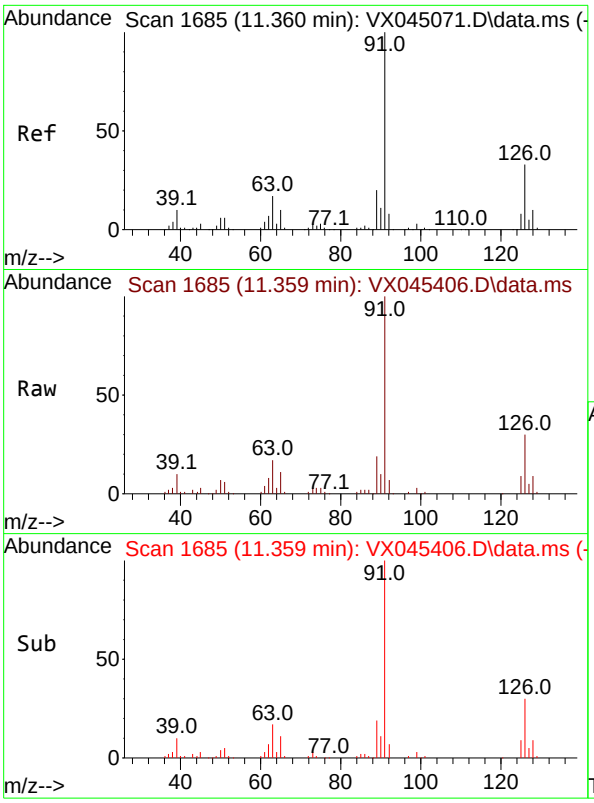


#78
n-propylbenzene
Concen: 20.764 ug/l
RT: 11.304 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX045406.D
Acq: 24 Mar 2025 11:42

Tgt Ion: 91 Resp: 116272

Ion	Ratio	Lower	Upper
91	100		
120	21.9	11.2	33.6



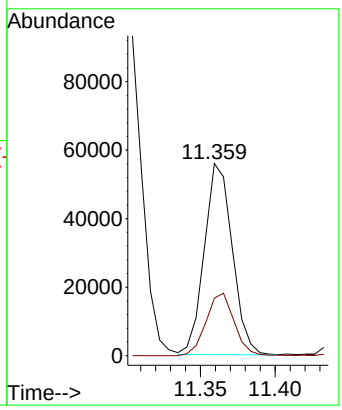


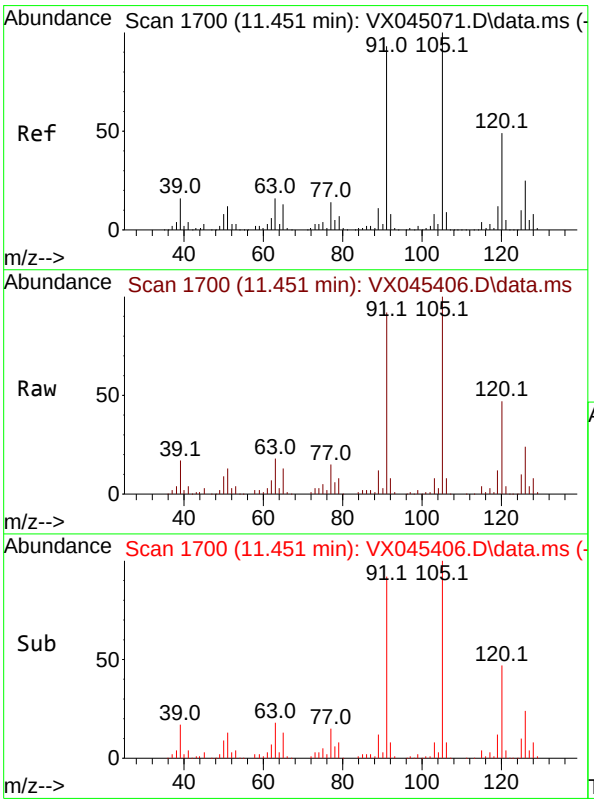
#79
2-Chlorotoluene
Concen: 20.383 ug/l
RT: 11.359 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045406.D
Acq: 24 Mar 2025 11:42

Instrument :
MSVOA_X
ClientSampleId :
VX0324WBS01

Tgt Ion: 91 Resp: 72689

Ion	Ratio	Lower	Upper
91	100		
126	32.8	16.4	49.4

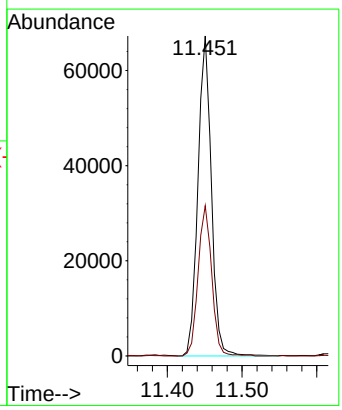


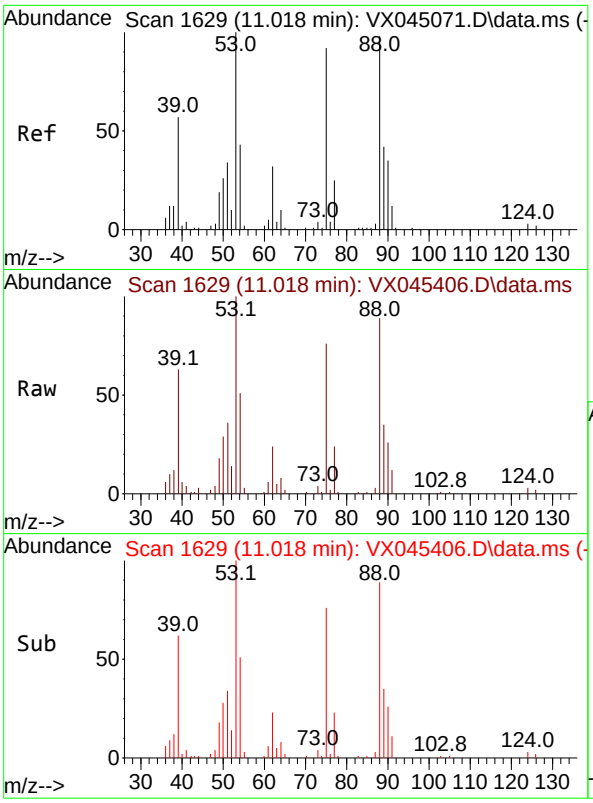


#80
1,3,5-Trimethylbenzene
Concen: 20.908 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045406.D
Acq: 24 Mar 2025 11:42

Tgt Ion:105 Resp: 83800

Ion	Ratio	Lower	Upper
105	100		
120	47.7	24.1	72.2



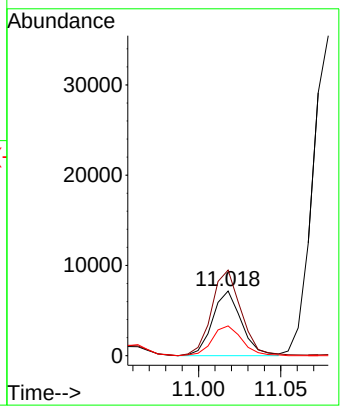


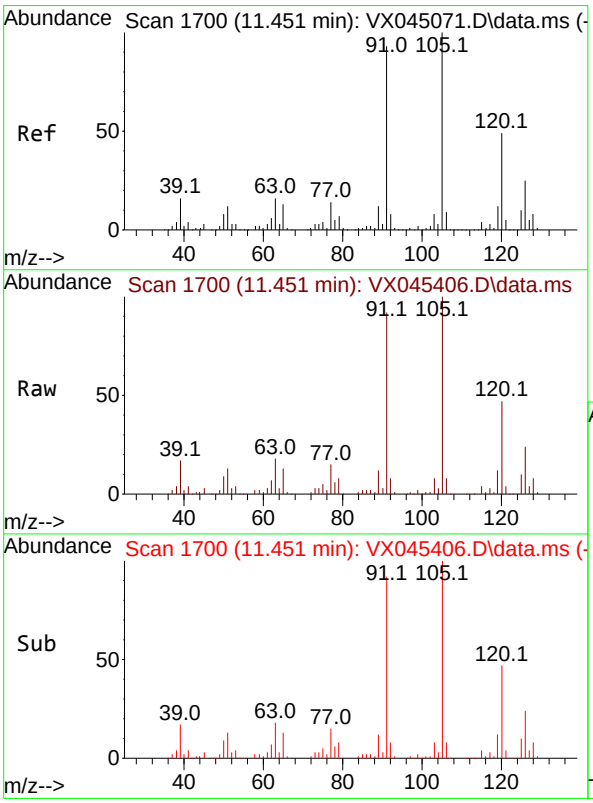
#81
trans-1,4-Dichloro-2-butene
Concen: 20.272 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045406.D
Acq: 24 Mar 2025 11:42

Instrument :
MSVOA_X
ClientSampleId :
VX0324WBS01

Tgt Ion: 75 Resp: 8756

Ion	Ratio	Lower	Upper
75	100		
53	135.4	88.5	132.7#
89	47.6	36.2	54.4

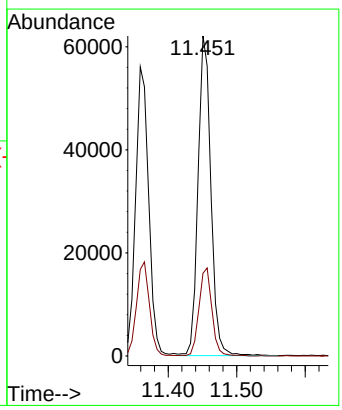


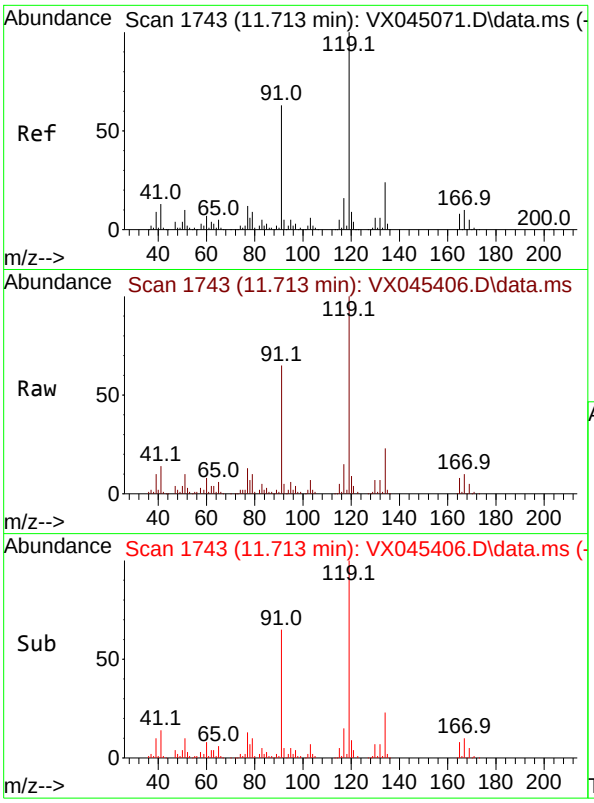


#82
4-Chlorotoluene
Concen: 20.824 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045406.D
Acq: 24 Mar 2025 11:42

Tgt Ion: 91 Resp: 80935

Ion	Ratio	Lower	Upper
91	100		
126	27.8	14.1	42.4



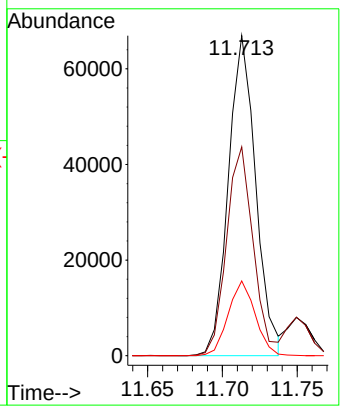


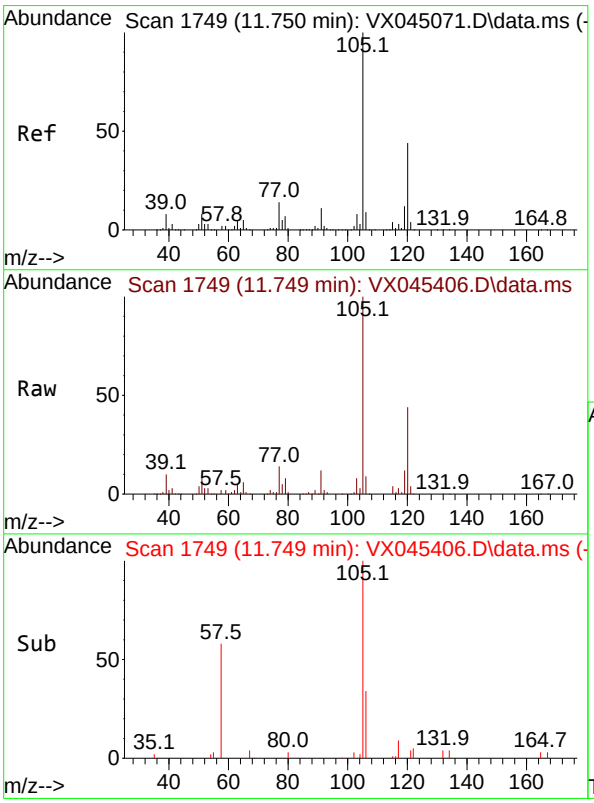
#83
tert-Butylbenzene
Concen: 20.683 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045406.D
Acq: 24 Mar 2025 11:42

Instrument :
MSVOA_X
ClientSampleId :
VX0324WBS01

Tgt Ion:119 Resp: 85178

Ion	Ratio	Lower	Upper
119	100		
91	63.9	30.7	92.1
134	23.1	11.7	35.0

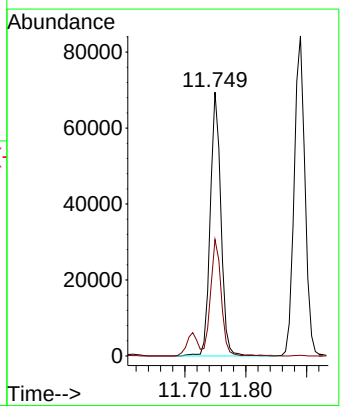


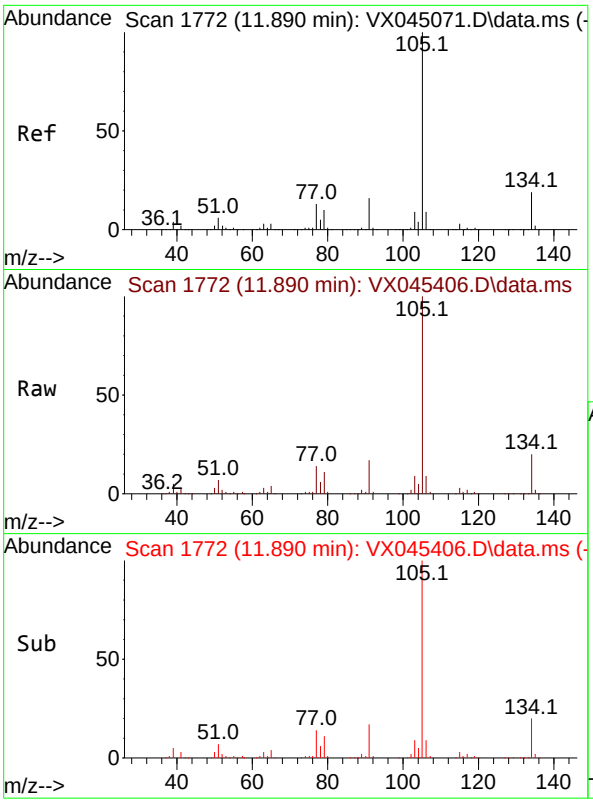


#84
1,2,4-Trimethylbenzene
Concen: 20.918 ug/l
RT: 11.749 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX045406.D
Acq: 24 Mar 2025 11:42

Tgt Ion:105 Resp: 84360

Ion	Ratio	Lower	Upper
105	100		
120	44.4	22.1	66.1



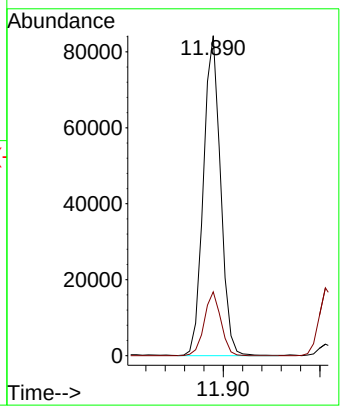


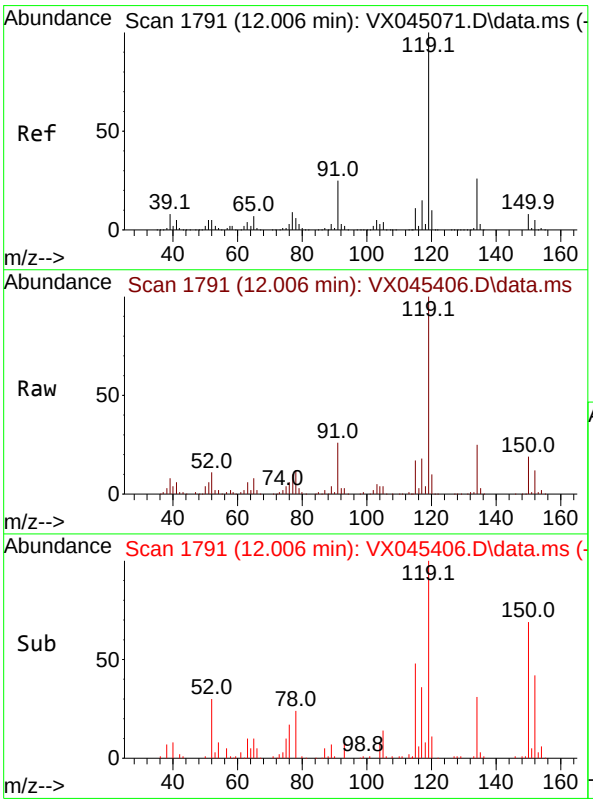
#85
sec-Butylbenzene
Concen: 21.086 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045406.D
Acq: 24 Mar 2025 11:42

Instrument :
MSVOA_X
ClientSampleId :
VX0324WBS01

Tgt Ion:105 Resp: 104018

Ion	Ratio	Lower	Upper
105	100		
134	19.3	9.8	29.4

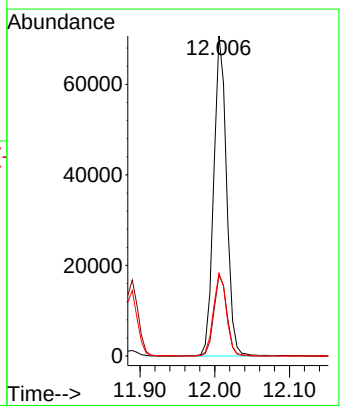


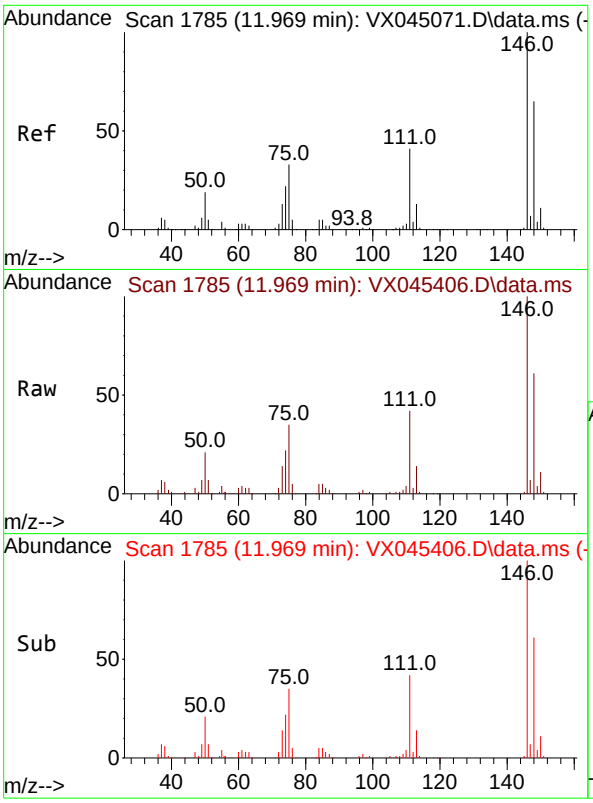


#86
p-Isopropyltoluene
Concen: 21.249 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX045406.D
Acq: 24 Mar 2025 11:42

Tgt Ion:119 Resp: 84713

Ion	Ratio	Lower	Upper
119	100		
134	25.3	12.9	38.6
91	26.2	12.7	38.0



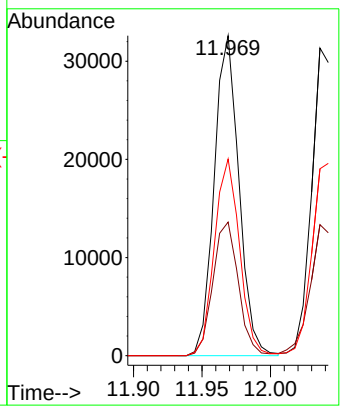


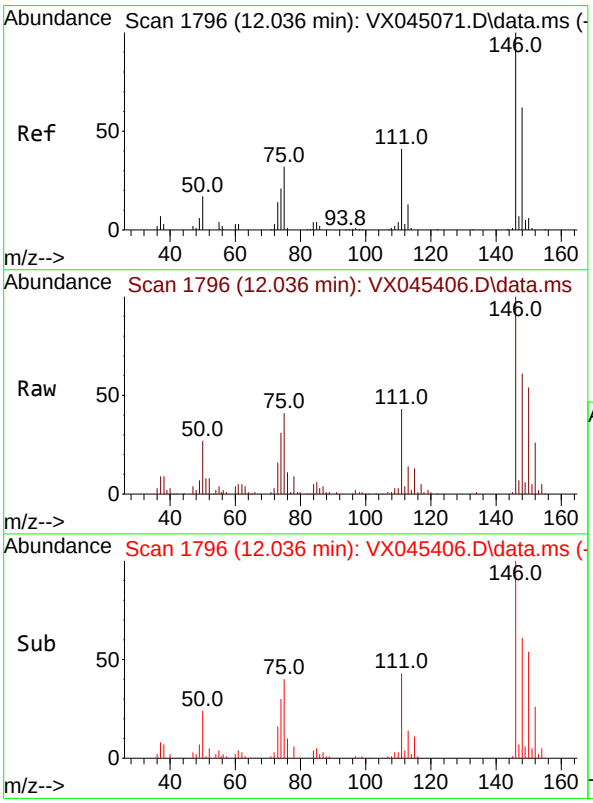
#87
1,3-Dichlorobenzene
Concen: 19.588 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045406.D
Acq: 24 Mar 2025 11:42

Instrument :
MSVOA_X
ClientSampleId :
VX0324WBS01

Tgt Ion:146 Resp: 40869

Ion	Ratio	Lower	Upper
146	100		
111	43.1	21.1	63.4
148	62.7	31.9	95.7

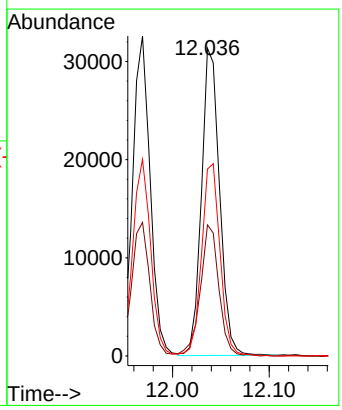


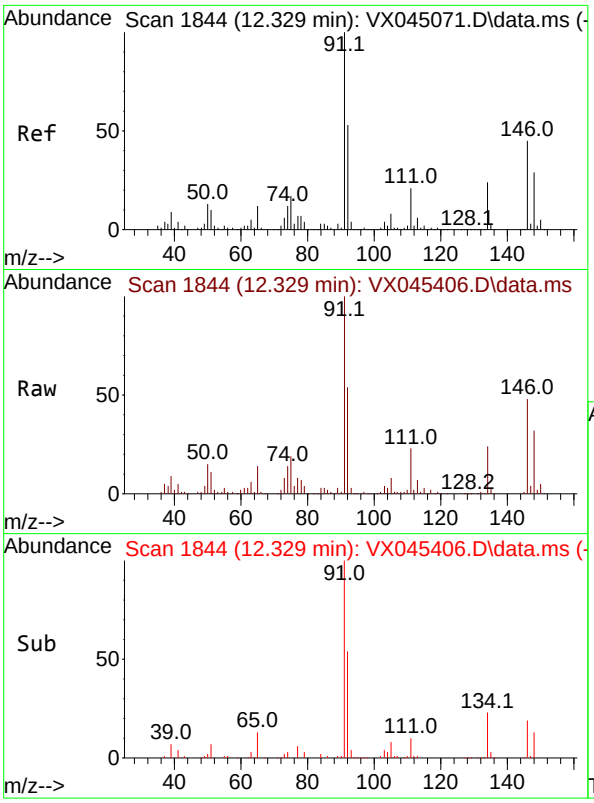


#88
1,4-Dichlorobenzene
Concen: 19.365 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. -0.000 min
Lab File: VX045406.D
Acq: 24 Mar 2025 11:42

Tgt Ion:146 Resp: 40877

Ion	Ratio	Lower	Upper
146	100		
111	44.0	20.2	60.5
148	63.8	31.9	95.9



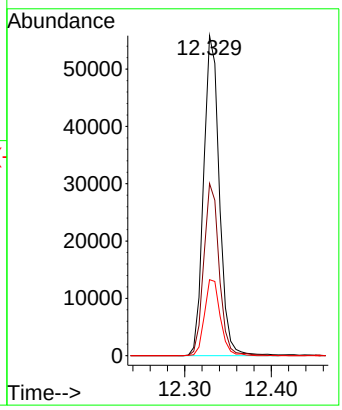


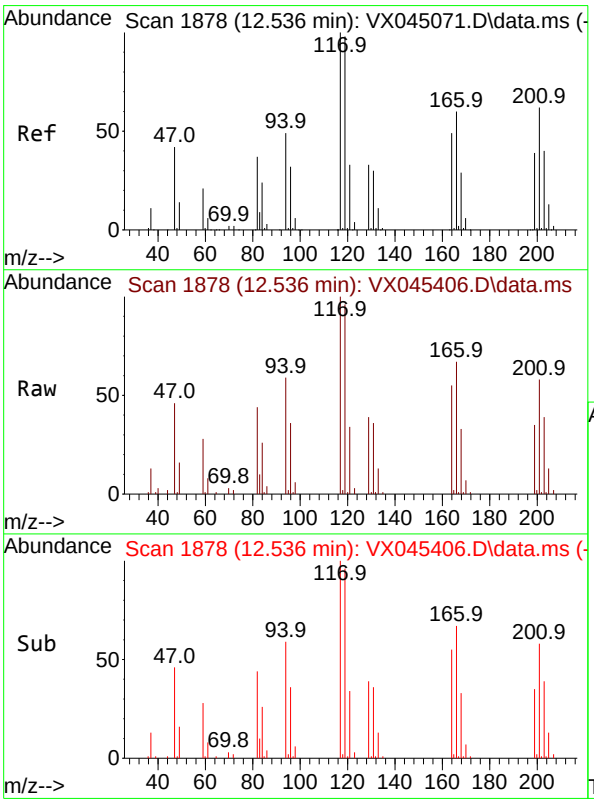
#89
n-Butylbenzene
Concen: 20.532 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045406.D
Acq: 24 Mar 2025 11:42

Instrument :
MSVOA_X
ClientSampleId :
VX0324WBS01

Tgt Ion: 91 Resp: 70500

Ion	Ratio	Lower	Upper
91	100		
92	52.6	26.7	80.0
134	23.8	12.2	36.6

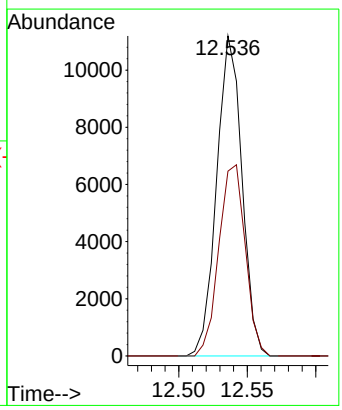


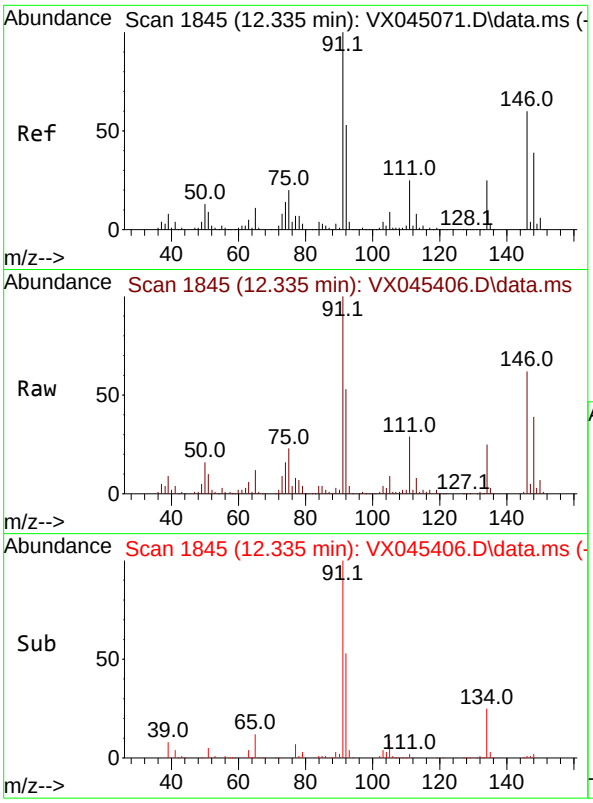


#90
Hexachloroethane
Concen: 19.892 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX045406.D
Acq: 24 Mar 2025 11:42

Tgt Ion:117 Resp: 14344

Ion	Ratio	Lower	Upper
117	100		
201	62.7	31.9	95.9



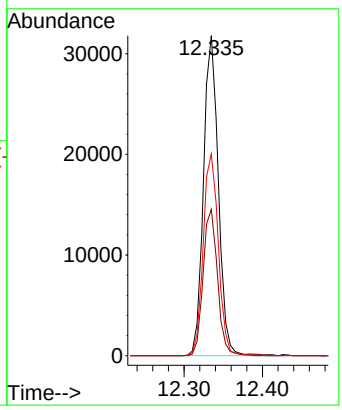


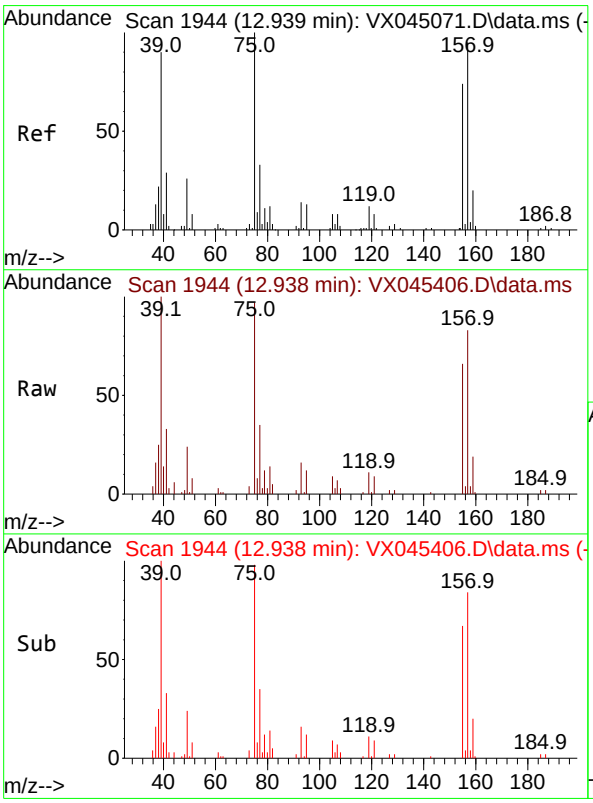
#91
1,2-Dichlorobenzene
Concen: 19.958 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045406.D
Acq: 24 Mar 2025 11:42

Instrument :
MSVOA_X
ClientSampleId :
VX0324WBS01

Tgt Ion:146 Resp: 41771

Ion	Ratio	Lower	Upper
146	100		
111	44.4	21.6	65.0
148	64.2	31.9	95.9

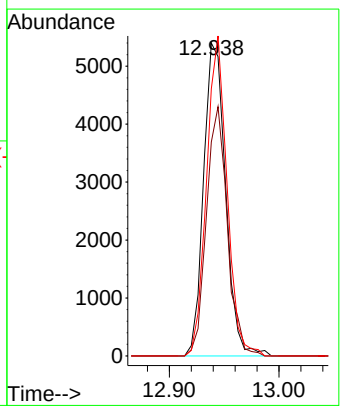


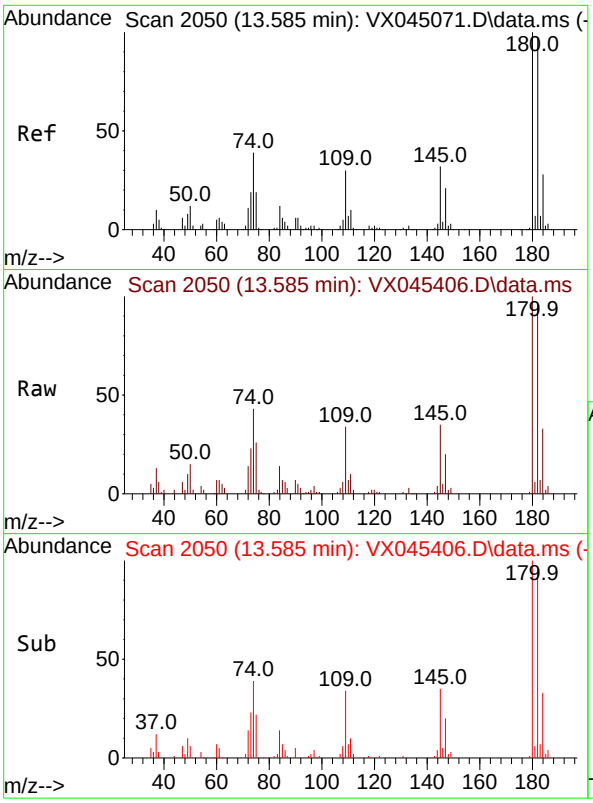


#92
1,2-Dibromo-3-Chloropropane
Concen: 21.231 ug/l
RT: 12.938 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX045406.D
Acq: 24 Mar 2025 11:42

Tgt Ion: 75 Resp: 7524

Ion	Ratio	Lower	Upper
75	100		
155	75.8	39.6	118.7
157	95.2	51.1	153.4



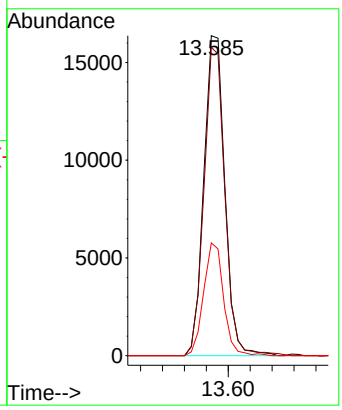


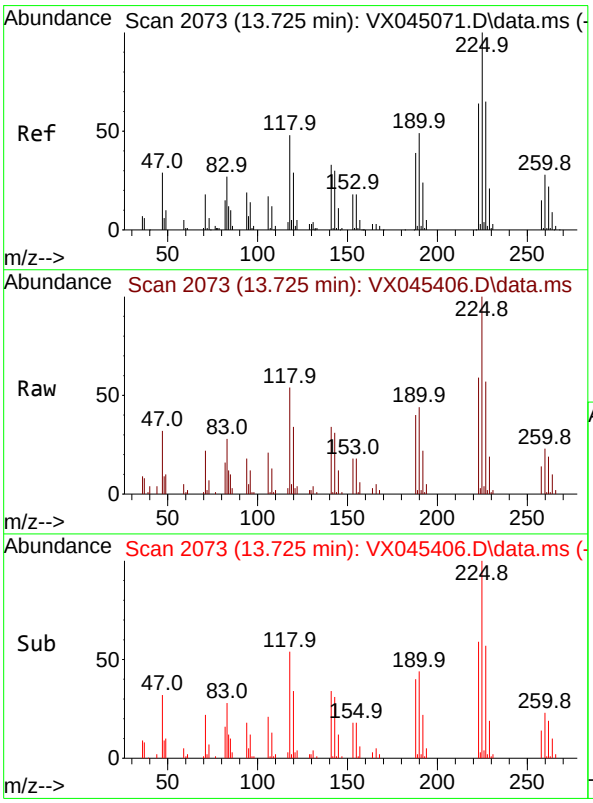
#93
1,2,4-Trichlorobenzene
Concen: 18.232 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045406.D
Acq: 24 Mar 2025 11:42

Instrument :
MSVOA_X
ClientSampleId :
VX0324WBS01

Tgt Ion:180 Resp: 21728

Ion	Ratio	Lower	Upper
180	100		
182	95.9	47.3	141.9
145	33.6	16.3	48.9

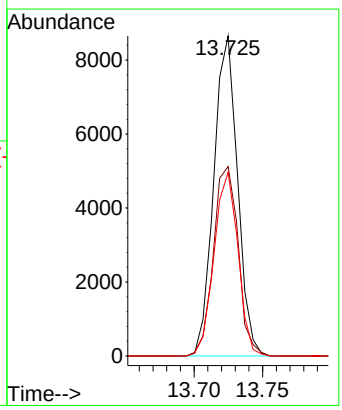


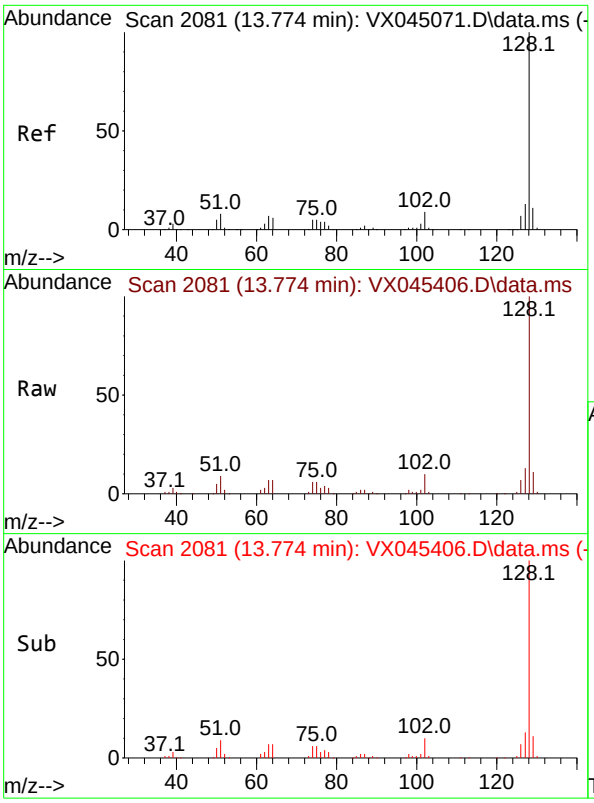


#94
Hexachlorobutadiene
Concen: 21.341 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX045406.D
Acq: 24 Mar 2025 11:42

Tgt Ion:225 Resp: 10427

Ion	Ratio	Lower	Upper
225	100		
223	61.8	31.9	95.7
227	57.8	31.4	94.0



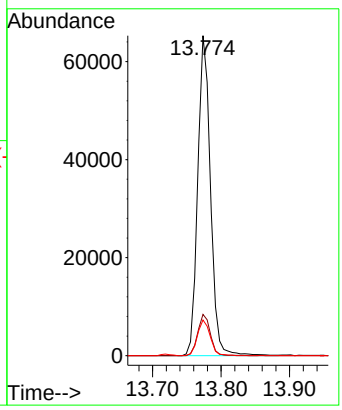


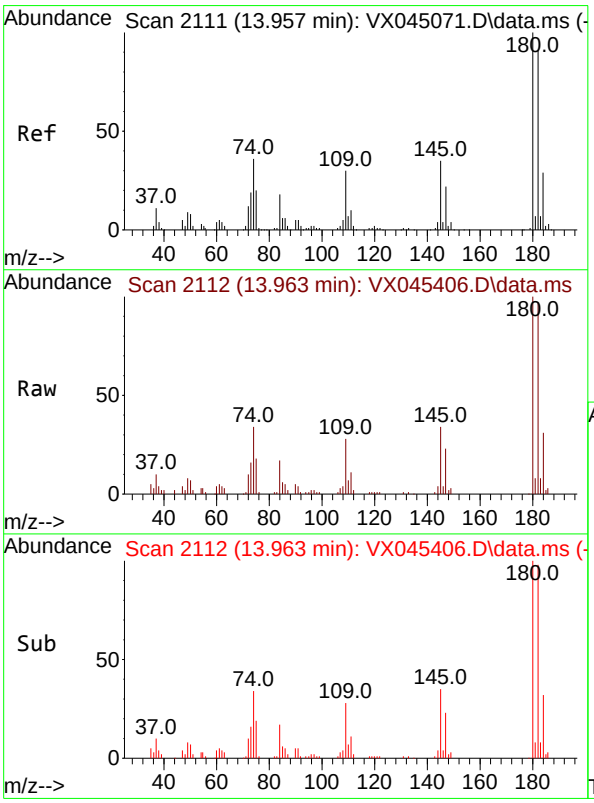
#95
Naphthalene
Concen: 18.504 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045406.D
Acq: 24 Mar 2025 11:42

Instrument :
MSVOA_X
ClientSampleId :
VX0324WBS01

Tgt Ion:128 Resp: 84726

Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.3	15.5
129	11.1	8.7	13.1

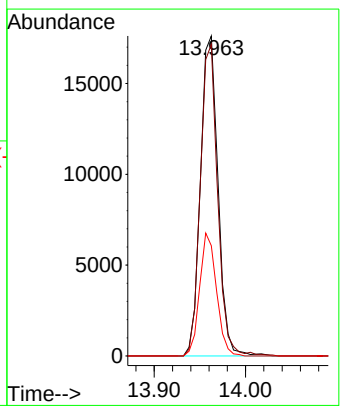




#96
1,2,3-Trichlorobenzene
Concen: 18.649 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.006 min
Lab File: VX045406.D
Acq: 24 Mar 2025 11:42

Tgt Ion:180 Resp: 23447

Ion	Ratio	Lower	Upper
180	100		
182	96.0	47.5	142.6
145	36.8	17.0	50.9



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032425\
Data File : VX045419.D
Acq On : 24 Mar 2025 16:50
Operator : JC/MD
Sample : Q1608-19
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RE132D7-20250318

Quant Time: Mar 25 01:37:11 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

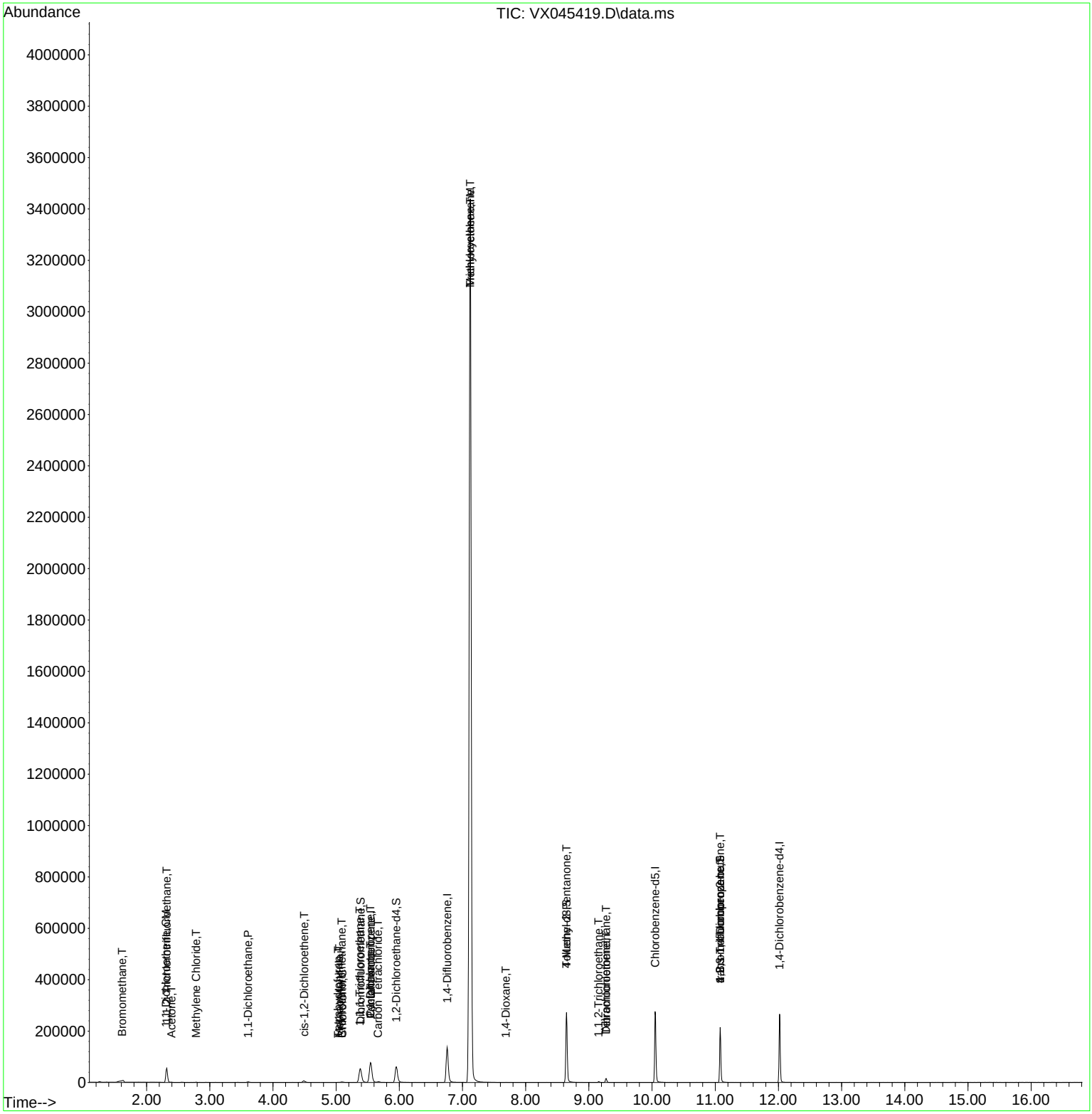
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	67443	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	131029	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	118374	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	49435	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	59857	55.796	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 111.600%			
35) Dibromofluoromethane	5.385	113	46105	52.622	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.240%			
50) Toluene-d8	8.647	98	156497	49.269	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.540%			
62) 4-Bromofluorobenzene	11.079	95	54851	52.112	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 104.220%			
Target Compounds						Qvalue
5) Bromomethane	1.612	94	101	0.249	ug/l #	3
9) 1,1,2-Trichlorotrifluo...	2.319	101	16113	20.556	ug/l	98
12) 1,1-Dichloroethene	2.307	96	5888	7.105	ug/l	94
16) Acetone	2.392	43	890	1.788	ug/l	94
20) Methylene Chloride	2.782	84	427	0.433	ug/l #	82
24) 1,1-Dichloroethane	3.605	63	2870	1.707	ug/l	94
27) cis-1,2-Dichloroethene	4.495	96	3639	3.601	ug/l	96
28) Bromochloromethane	5.087	49	204	0.255	ug/l #	17
29) Tetrahydrofuran	5.032	42	160	0.318	ug/l #	34
30) Chloroform	5.099	83	2305	1.380	ug/l #	72
31) Cyclohexane	5.544	56	1983	1.359	ug/l #	44
32) 1,1,1-Trichloroethane	5.373	97	373	0.276	ug/l #	38
36) 1,1-Dichloropropene	5.544	75	6354	5.288	ug/l #	50
38) Carbon Tetrachloride	5.660	117	761	0.624	ug/l #	94
39) Methylcyclohexane	7.123	83	17740	12.322	ug/l #	1
41) Methacrylonitrile	5.050	41	259	0.309	ug/l #	50
44) Trichloroethene	7.123	130	1224885	1374.847	ug/l	95
49) 1,4-Dioxane	7.684	88	195	8.048	ug/l #	71
51) 4-Methyl-2-Pentanone	8.647	43	948	0.617	ug/l #	1
55) 1,1,2-Trichloroethane	9.153	97	835	0.911	ug/l #	90
60) Dibromochloromethane	9.275	129	2992	3.122	ug/l #	11
64) Tetrachloroethene	9.275	164	2671	3.523	ug/l	95
76) 1,2,3-Trichloropropane	11.079	75	31763	27.606	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	31763	94.471	ug/l #	6

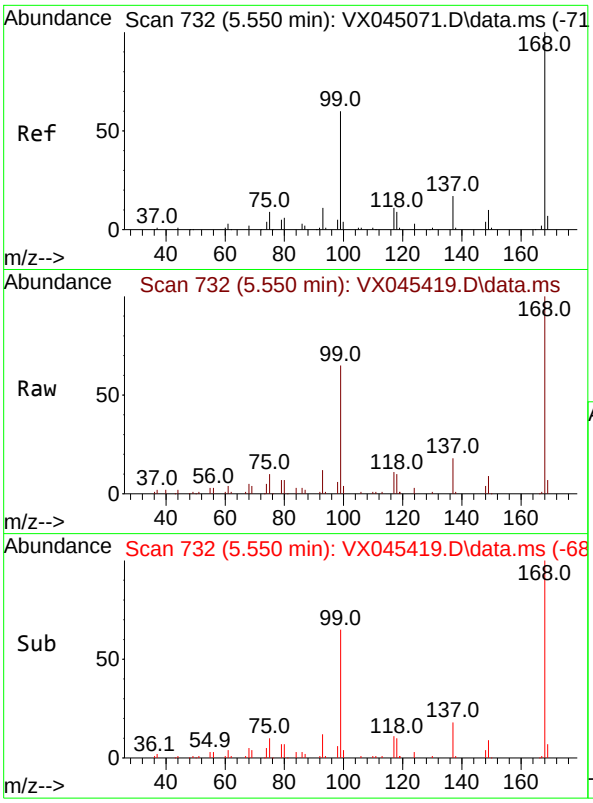
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032425\
Data File : VX045419.D
Acq On : 24 Mar 2025 16:50
Operator : JC/MD
Sample : Q1608-19
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RE132D7-20250318

Quant Time: Mar 25 01:37:11 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



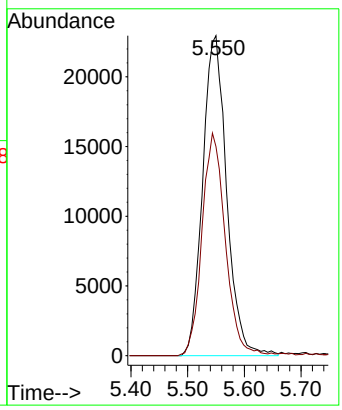


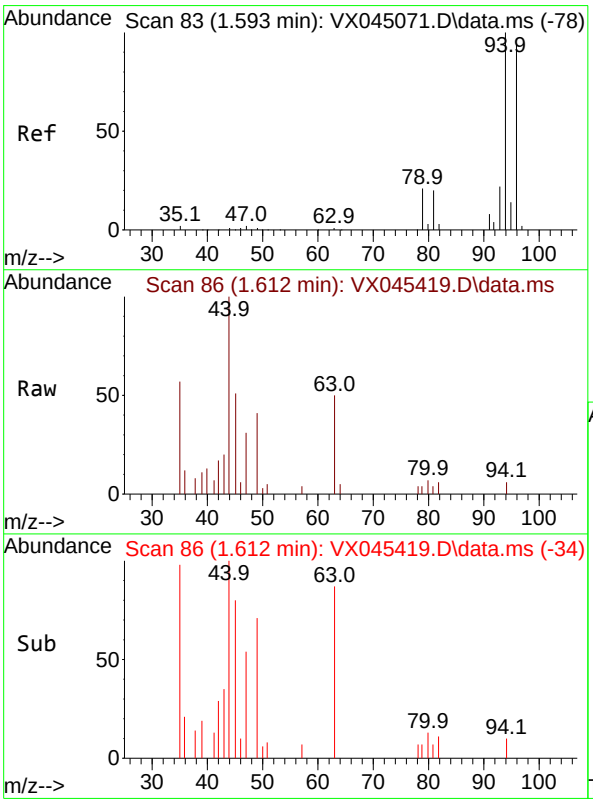
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045419.D
Acq: 24 Mar 2025 16:50

Instrument :
MSVOA_X
ClientSampleId :
RE132D7-20250318

Tgt Ion:168 Resp: 67443

Ion	Ratio	Lower	Upper
168	100		
99	65.3	48.2	72.4

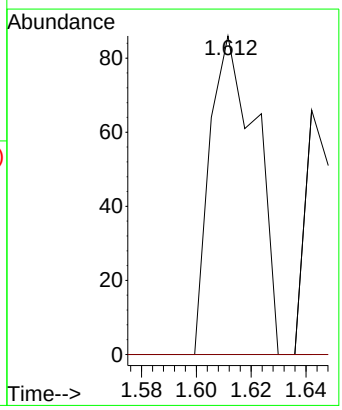


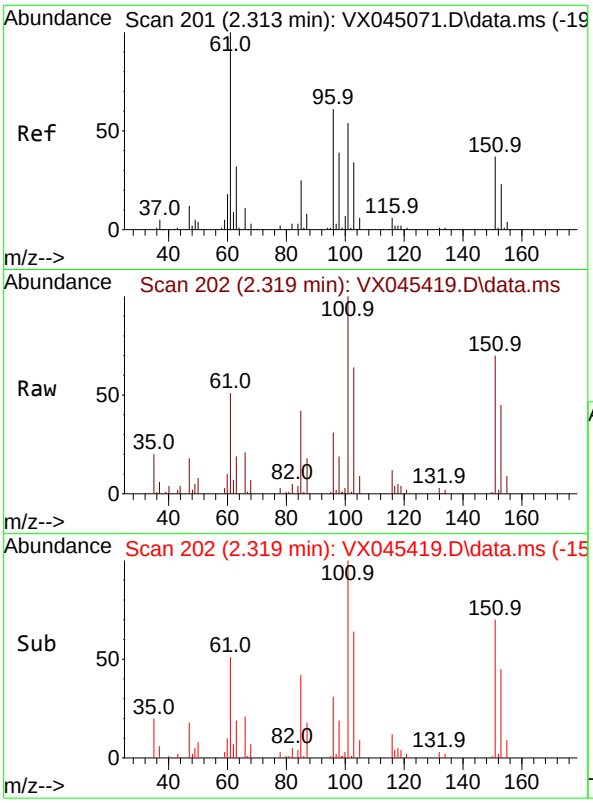


#5
Bromomethane
Concen: 0.249 ug/l
RT: 1.612 min Scan# 86
Delta R.T. 0.018 min
Lab File: VX045419.D
Acq: 24 Mar 2025 16:50

Tgt Ion: 94 Resp: 101

Ion	Ratio	Lower	Upper
94	100		
96	0.0	75.0	112.4#



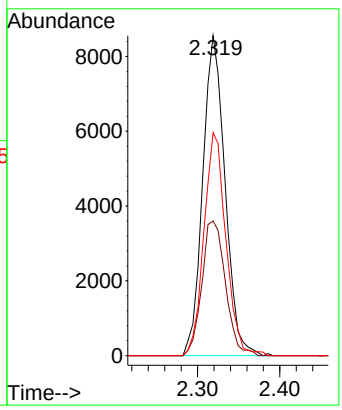


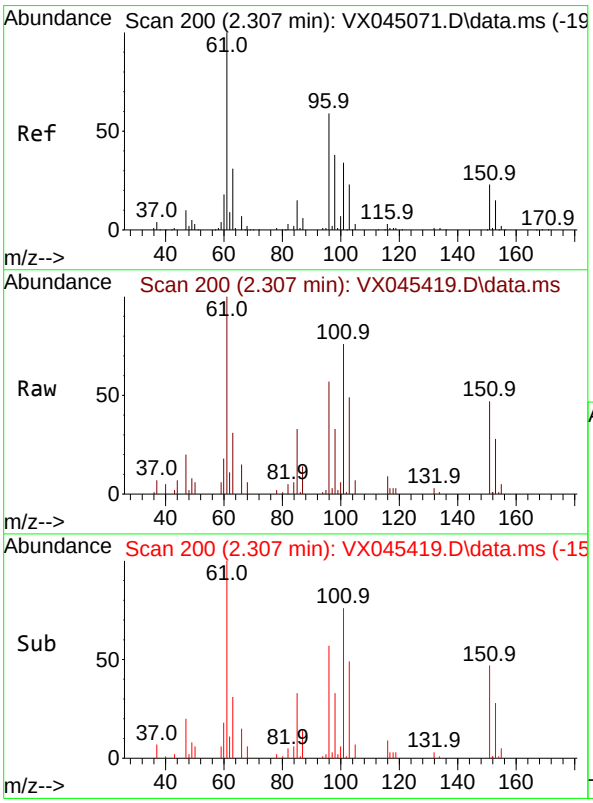
#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.556 ug/l
RT: 2.319 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX045419.D
Acq: 24 Mar 2025 16:50

Instrument :
MSVOA_X
ClientSampleId :
RE132D7-20250318

Tgt Ion:101 Resp: 16113

Ion	Ratio	Lower	Upper
101	100		
85	44.5	36.2	54.4
151	68.8	56.4	84.6

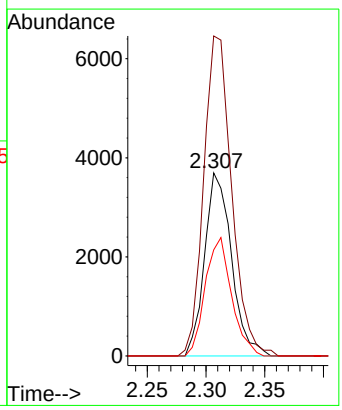


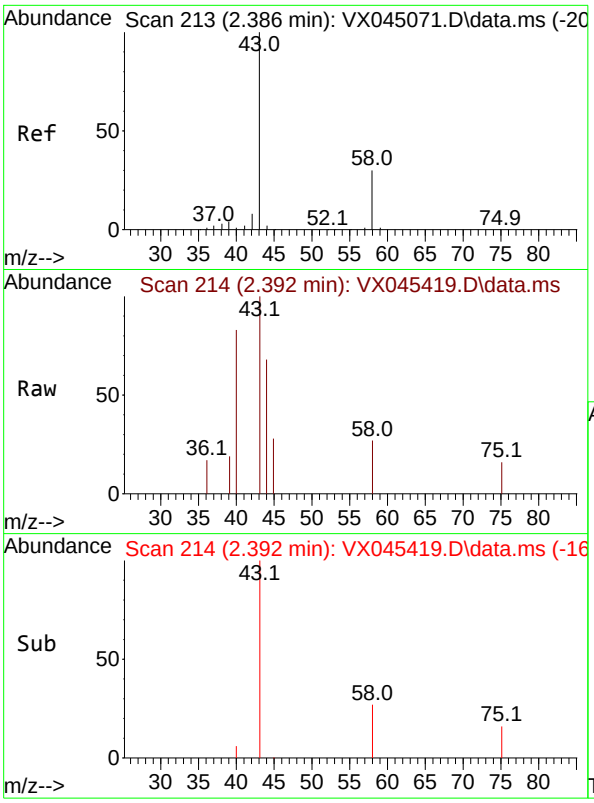


#12
1,1-Dichloroethene
Concen: 7.105 ug/l
RT: 2.307 min Scan# 200
Delta R.T. 0.000 min
Lab File: VX045419.D
Acq: 24 Mar 2025 16:50

Tgt Ion: 96 Resp: 5888

Ion	Ratio	Lower	Upper
96	100		
61	174.8	134.6	202.0
98	57.9	51.0	76.6



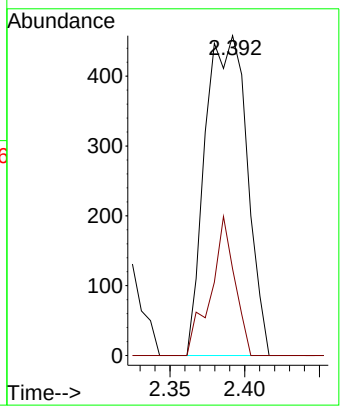


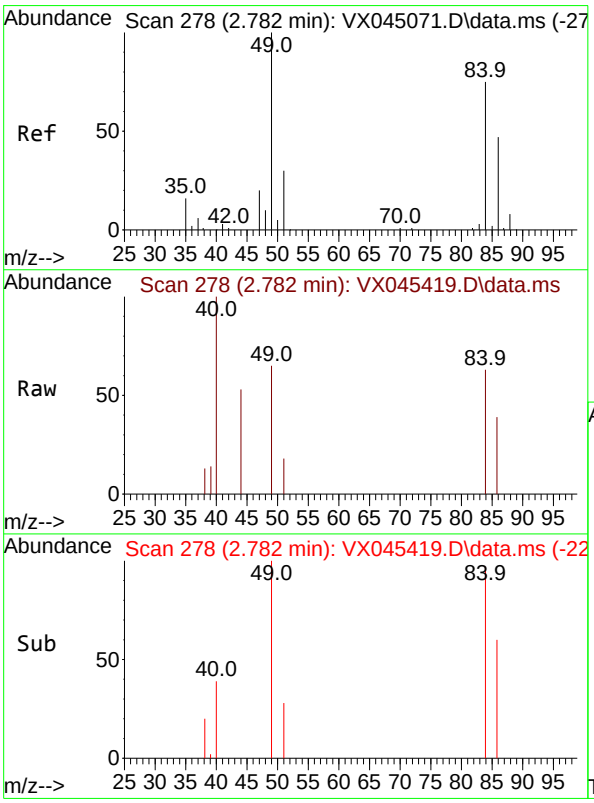
#16
Acetone
Concen: 1.788 ug/l
RT: 2.392 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX045419.D
Acq: 24 Mar 2025 16:50

Instrument :
MSVOA_X
ClientSampleId :
RE132D7-20250318

Tgt Ion: 43 Resp: 890

Ion	Ratio	Lower	Upper
43	100		
58	27.1	24.2	36.4

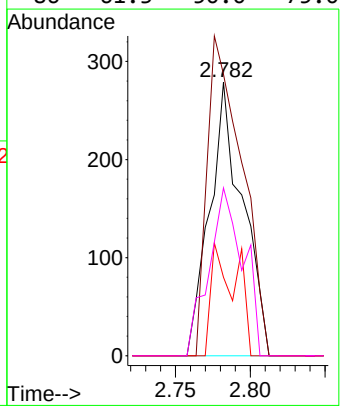


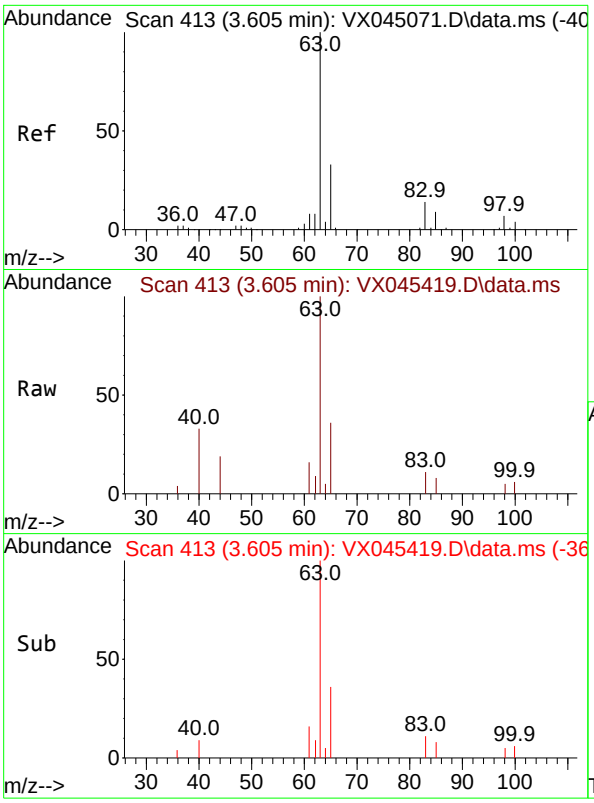


#20
Methylene Chloride
Concen: 0.433 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX045419.D
Acq: 24 Mar 2025 16:50

Tgt Ion: 84 Resp: 427

Ion	Ratio	Lower	Upper
84	100		
49	102.9	106.5	159.7#
51	28.7	32.1	48.1#
86	61.3	50.0	75.0



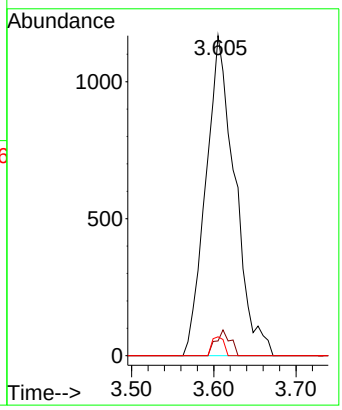


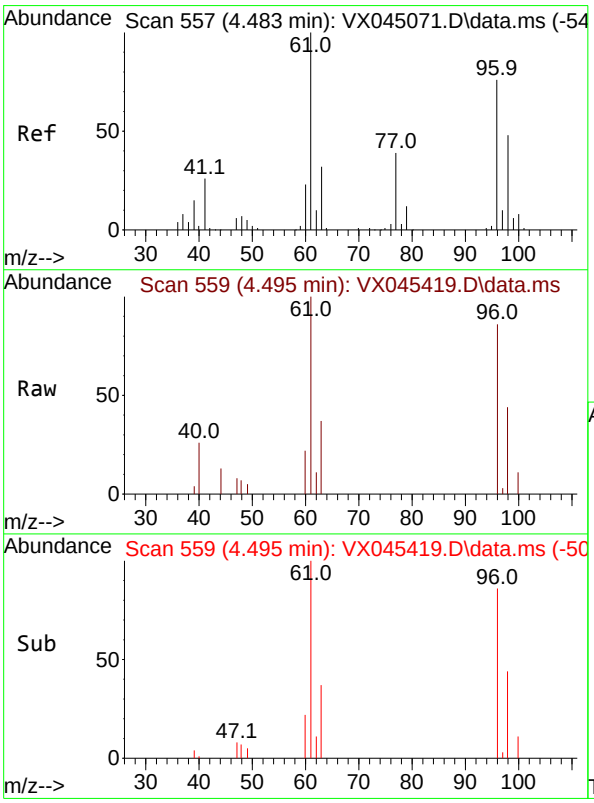
#24
1,1-Dichloroethane
Concen: 1.707 ug/l
RT: 3.605 min Scan# 41
Delta R.T. 0.000 min
Lab File: VX045419.D
Acq: 24 Mar 2025 16:50

Instrument :
MSVOA_X
ClientSampleId :
RE132D7-20250318

Tgt Ion: 63 Resp: 2870

Ion	Ratio	Lower	Upper
63	100		
98	4.6	3.4	10.2
100	5.9	2.1	6.5

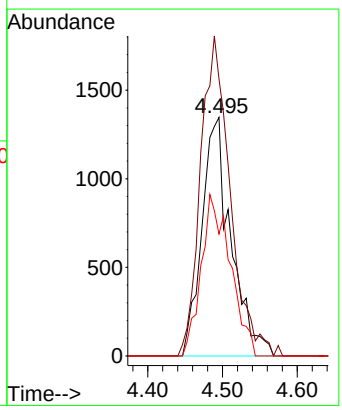


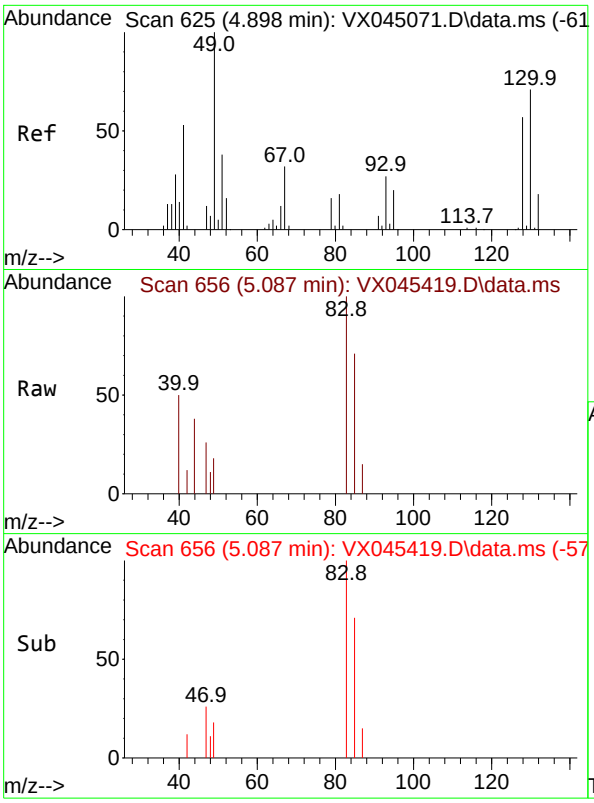


#27
cis-1,2-Dichloroethene
Concen: 3.601 ug/l
RT: 4.495 min Scan# 559
Delta R.T. 0.012 min
Lab File: VX045419.D
Acq: 24 Mar 2025 16:50

Tgt Ion: 96 Resp: 3639

Ion	Ratio	Lower	Upper
96	100		
61	137.0	0.0	283.2
98	67.5	0.0	128.0



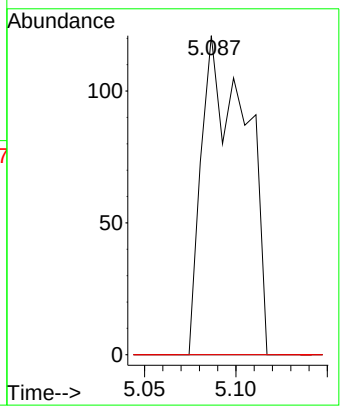


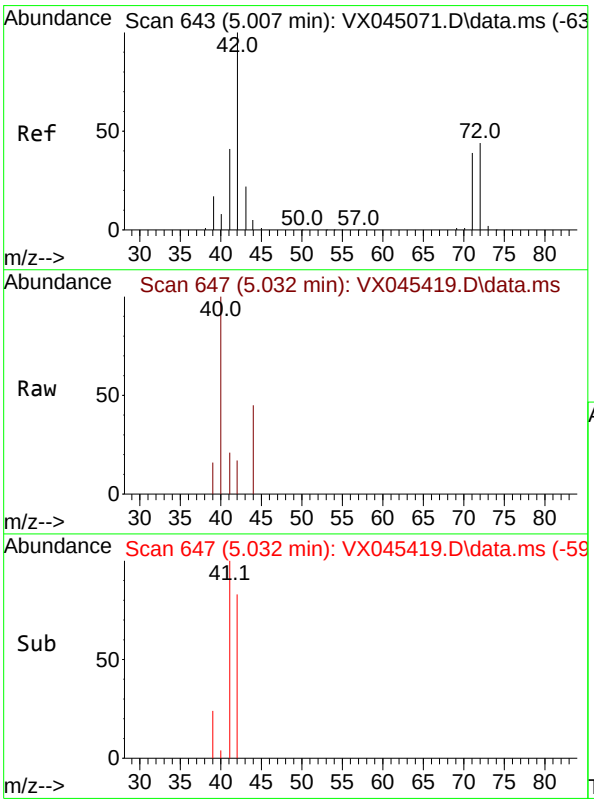
#28
Bromochloromethane
Concen: 0.255 ug/l
RT: 5.087 min Scan# 6
Delta R.T. 0.189 min
Lab File: VX045419.D
Acq: 24 Mar 2025 16:50

Instrument :
MSVOA_X
ClientSampleId :
RE132D7-20250318

Tgt Ion: 49 Resp: 204

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.4
130	0.0	56.1	84.1#

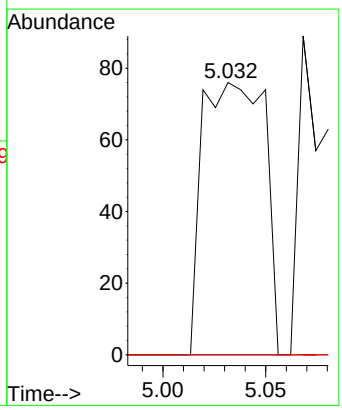


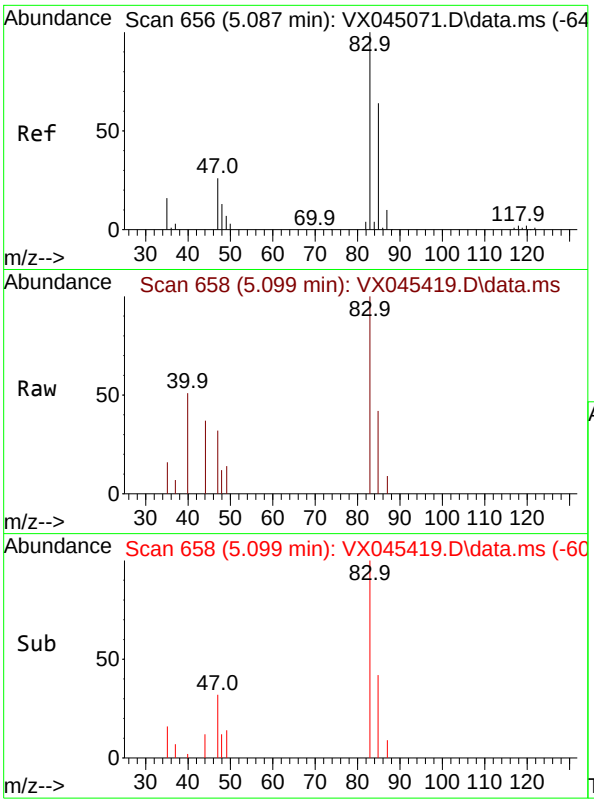


#29
Tetrahydrofuran
Concen: 0.318 ug/l
RT: 5.032 min Scan# 647
Delta R.T. 0.024 min
Lab File: VX045419.D
Acq: 24 Mar 2025 16:50

Tgt Ion: 42 Resp: 160

Ion	Ratio	Lower	Upper
42	100		
72	0.0	34.1	51.1#
71	0.0	31.4	47.0#



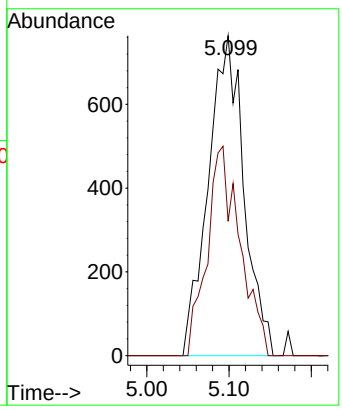


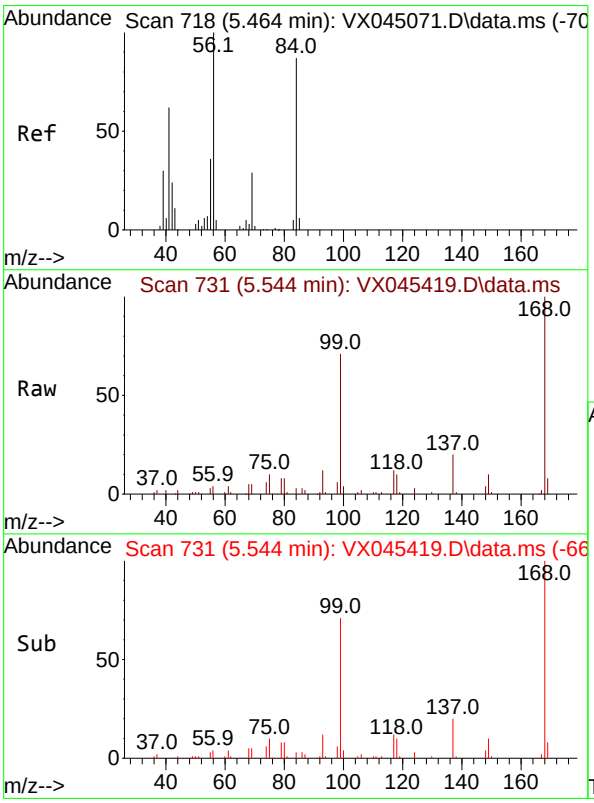
#30
Chloroform
Concen: 1.380 ug/l
RT: 5.099 min Scan# 6
Delta R.T. 0.012 min
Lab File: VX045419.D
Acq: 24 Mar 2025 16:50

Instrument :
MSVOA_X
ClientSampleId :
RE132D7-20250318

Tgt Ion: 83 Resp: 2305

Ion	Ratio	Lower	Upper
83	100		
85	42.0	51.4	77.2#

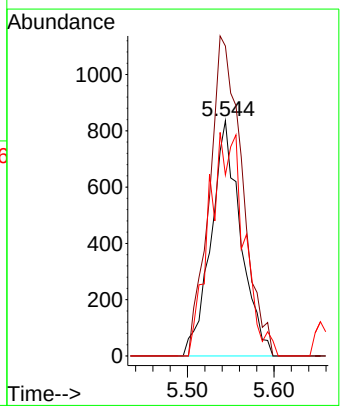


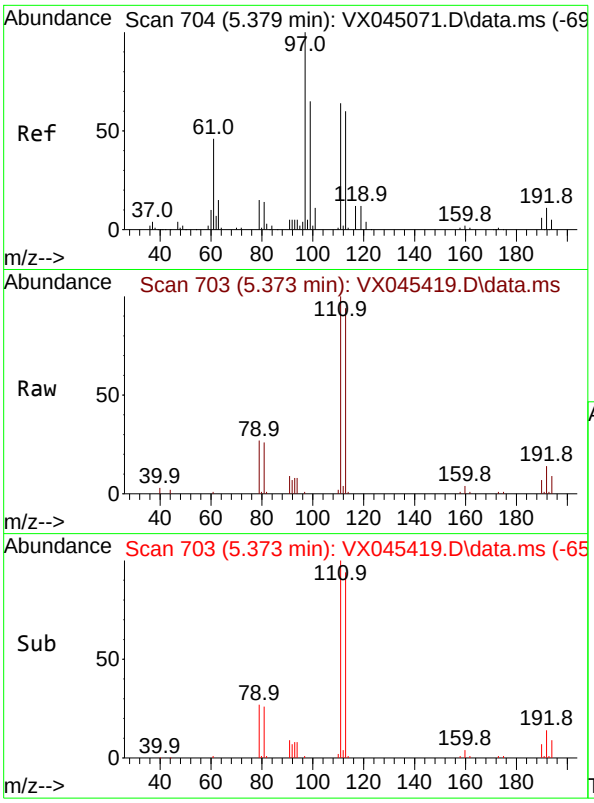


#31
Cyclohexane
Concen: 1.359 ug/l
RT: 5.544 min Scan# 731
Delta R.T. 0.079 min
Lab File: VX045419.D
Acq: 24 Mar 2025 16:50

Tgt Ion: 56 Resp: 1983

Ion	Ratio	Lower	Upper
56	100		
69	131.7	23.4	35.2#
84	76.9	69.4	104.2



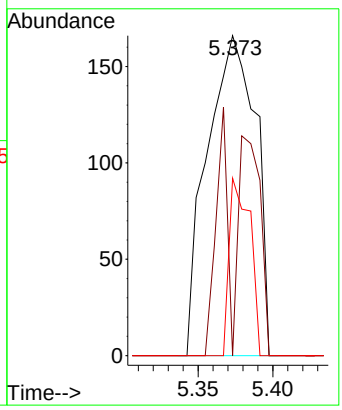


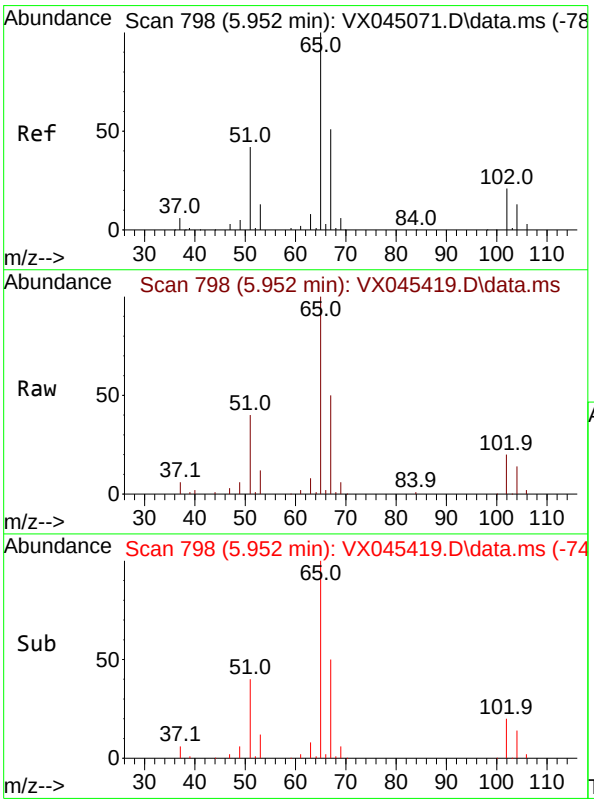
#32
1,1,1-Trichloroethane
Concen: 0.276 ug/l
RT: 5.373 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045419.D
Acq: 24 Mar 2025 16:50

Instrument :
MSVOA_X
ClientSampleId :
RE132D7-20250318

Tgt Ion: 97 Resp: 373

Ion	Ratio	Lower	Upper
97	100		
99	0.0	51.6	77.4#
61	23.9	38.4	57.6#

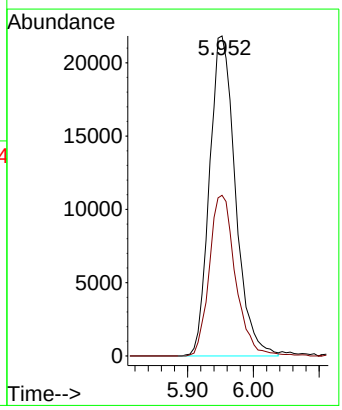


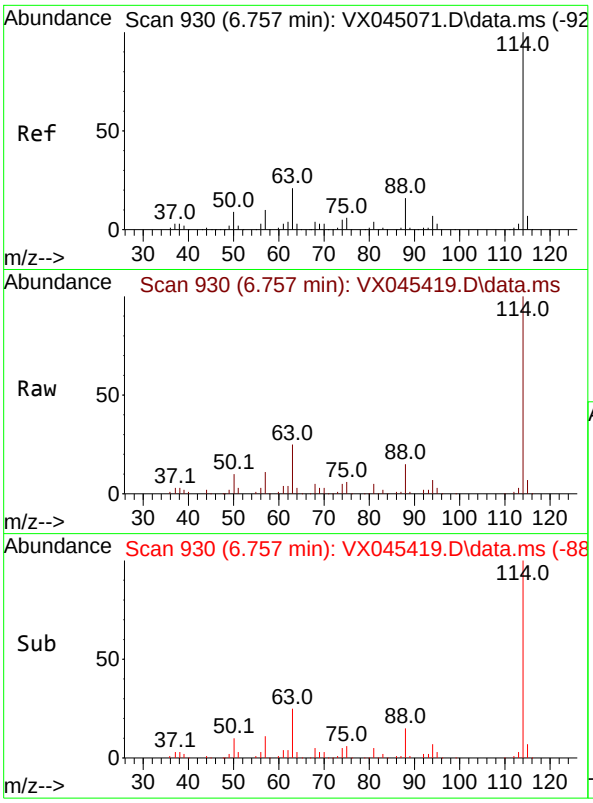


#33
1,2-Dichloroethane-d4
Concen: 55.796 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX045419.D
Acq: 24 Mar 2025 16:50

Tgt Ion: 65 Resp: 59857

Ion	Ratio	Lower	Upper
65	100		
67	50.9	0.0	106.2



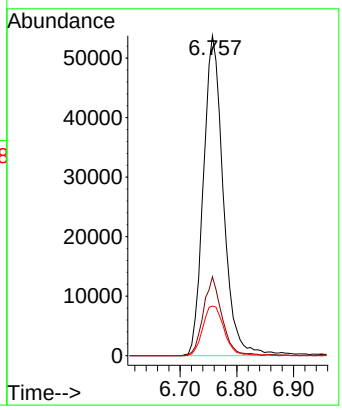


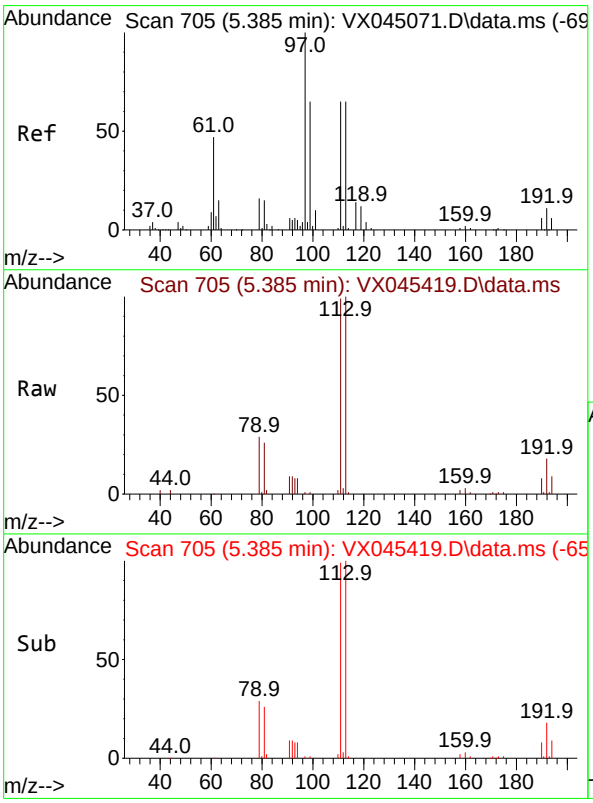
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 9
Delta R.T. 0.000 min
Lab File: VX045419.D
Acq: 24 Mar 2025 16:50

Instrument :
MSVOA_X
ClientSampleId :
RE132D7-20250318

Tgt Ion:114 Resp: 131029

Ion	Ratio	Lower	Upper
114	100		
63	24.6	0.0	41.8
88	15.5	0.0	32.8

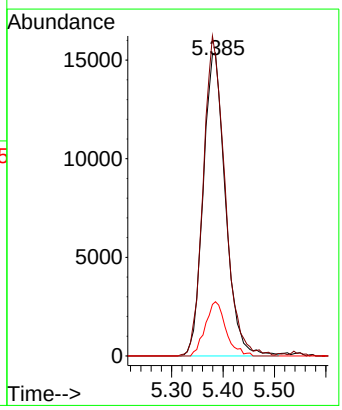


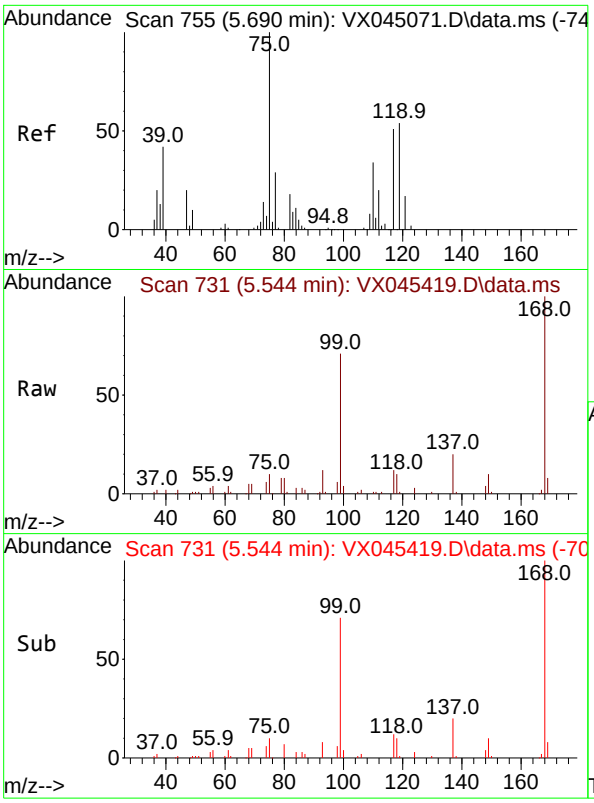


#35
Dibromofluoromethane
Concen: 52.622 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX045419.D
Acq: 24 Mar 2025 16:50

Tgt Ion:113 Resp: 46105

Ion	Ratio	Lower	Upper
113	100		
111	103.4	81.8	122.6
192	16.6	14.3	21.5



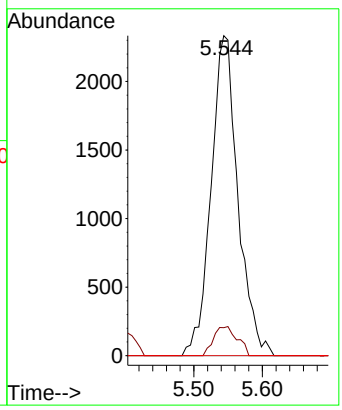


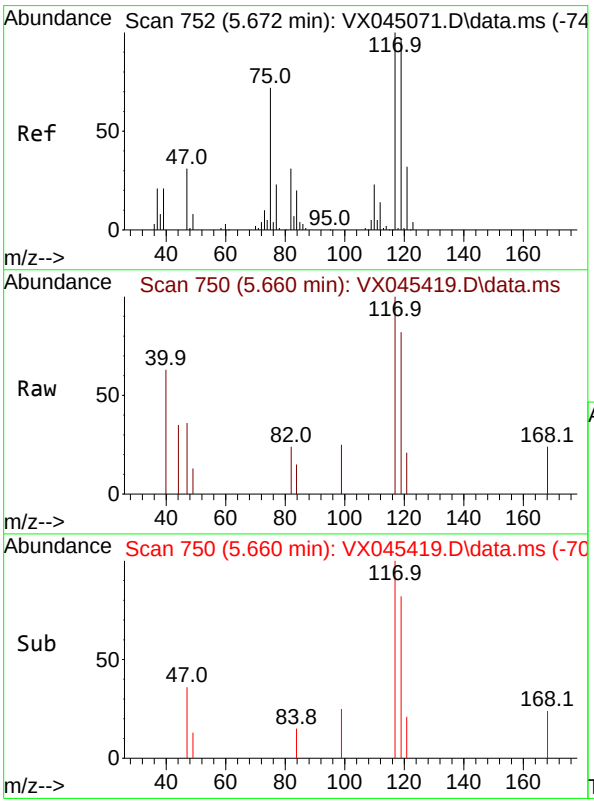
#36
1,1-Dichloropropene
Concen: 5.288 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.146 min
Lab File: VX045419.D
Acq: 24 Mar 2025 16:50

Instrument :
MSVOA_X
ClientSampleId :
RE132D7-20250318

Tgt Ion: 75 Resp: 6354

Ion	Ratio	Lower	Upper
75	100		
110	8.0	16.9	50.6#
77	0.0	24.5	36.7#

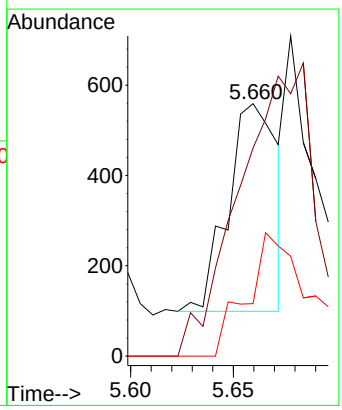


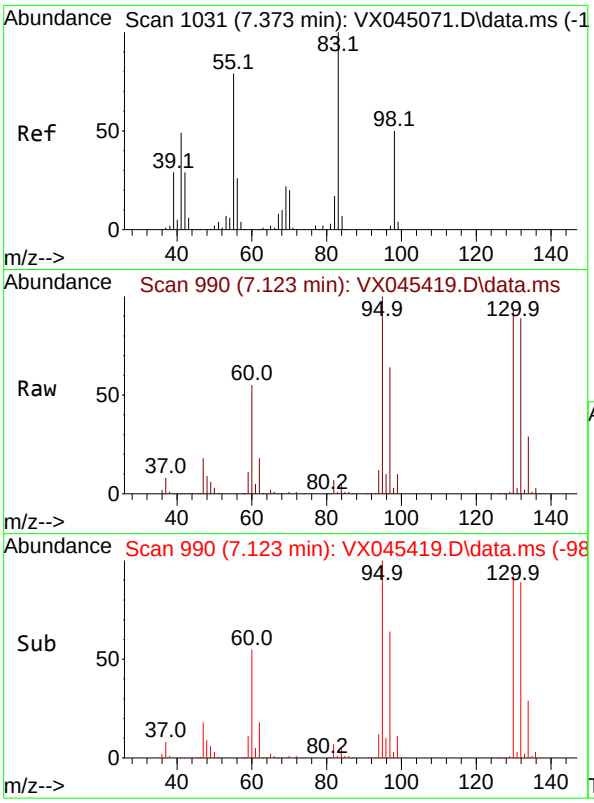


#38
Carbon Tetrachloride
Concen: 0.624 ug/l
RT: 5.660 min Scan# 750
Delta R.T. -0.012 min
Lab File: VX045419.D
Acq: 24 Mar 2025 16:50

Tgt Ion:117 Resp: 761

Ion	Ratio	Lower	Upper
117	100		
119	100.2	76.7	115.1
121	25.2	25.5	38.3#



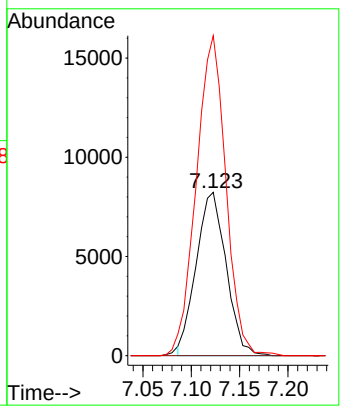


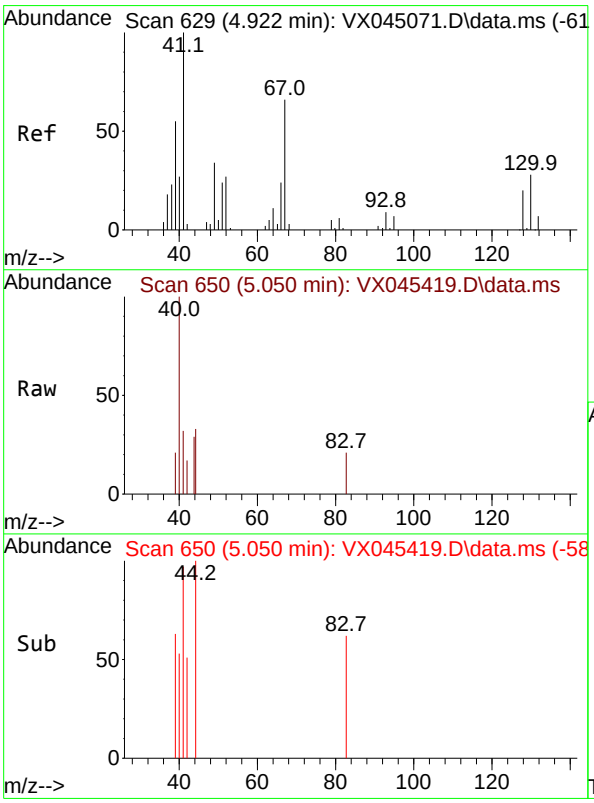
#39
Methylcyclohexane
Concen: 12.322 ug/l
RT: 7.123 min Scan# 9
Delta R.T. -0.250 min
Lab File: VX045419.D
Acq: 24 Mar 2025 16:50

Instrument :
MSVOA_X
ClientSampleId :
RE132D7-20250318

Tgt Ion: 83 Resp: 17740

Ion	Ratio	Lower	Upper
83	100		
55	0.0	63.0	94.4#
98	195.1	39.7	59.5#

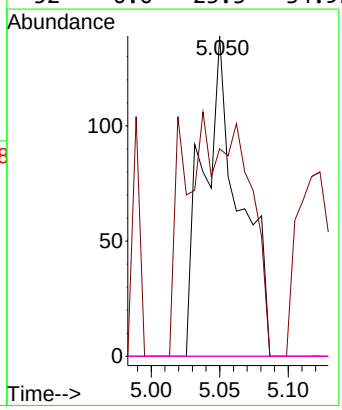


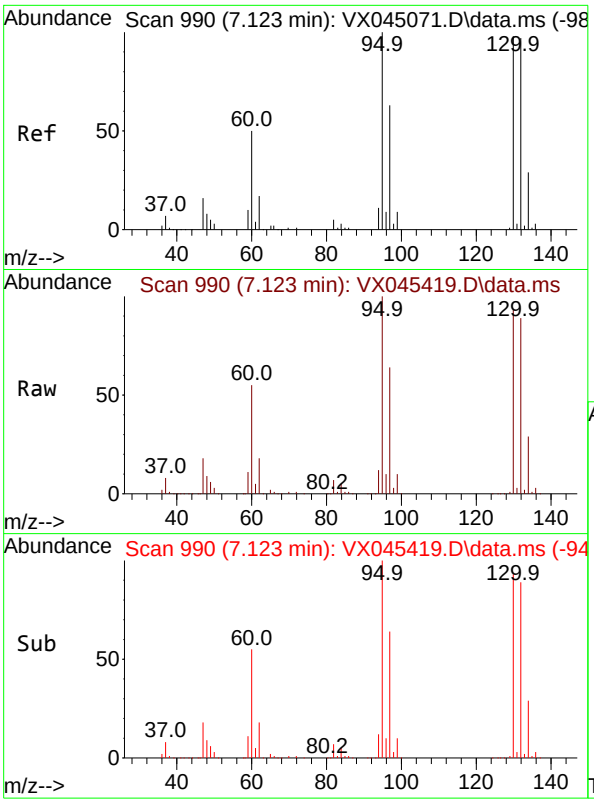


#41
Methacrylonitrile
Concen: 0.309 ug/l
RT: 5.050 min Scan# 650
Delta R.T. 0.128 min
Lab File: VX045419.D
Acq: 24 Mar 2025 16:50

Tgt Ion: 41 Resp: 259

Ion	Ratio	Lower	Upper
41	100		
39	60.6	44.6	67.0
67	0.0	53.9	80.9#
52	0.0	23.3	34.9#



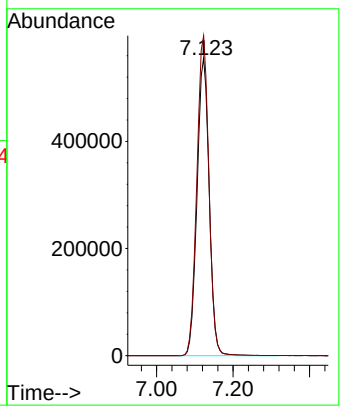


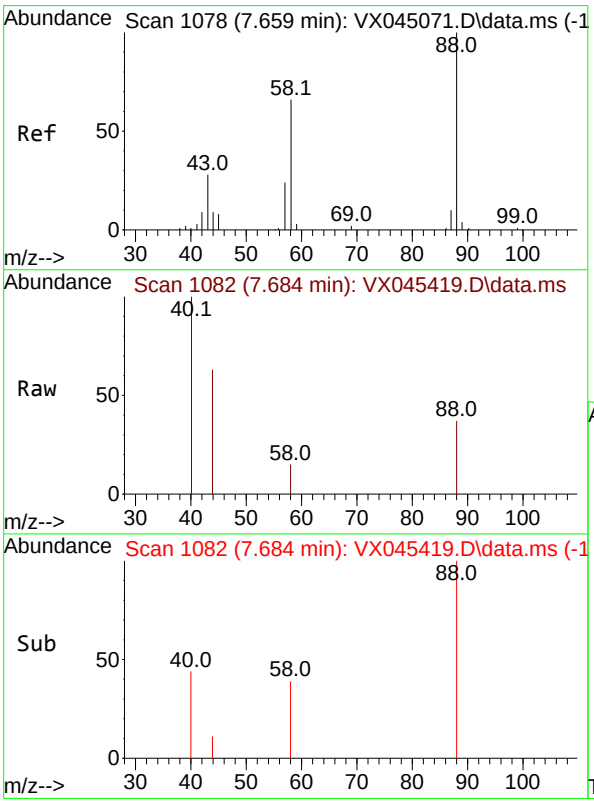
#44
Trichloroethene
Concen: 1374.847 ug/l
RT: 7.123 min Scan# 9
Delta R.T. 0.000 min
Lab File: VX045419.D
Acq: 24 Mar 2025 16:50

Instrument :
MSVOA_X
ClientSampleId :
RE132D7-20250318

Tgt Ion:130 Resp: 1224885

Ion	Ratio	Lower	Upper
130	100		
95	107.5	0.0	205.0

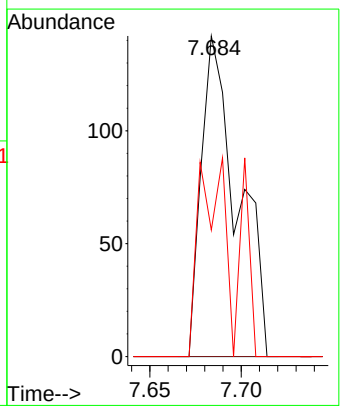


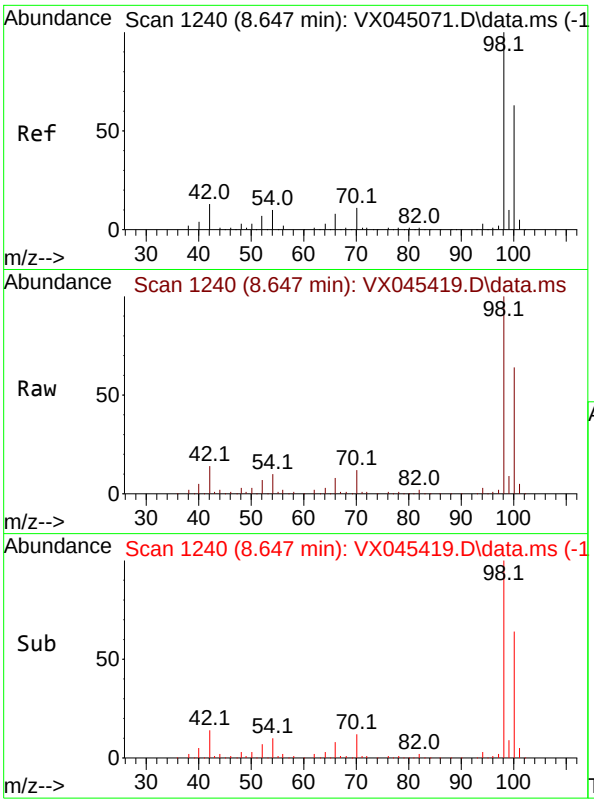


#49
1,4-Dioxane
Concen: 8.048 ug/l
RT: 7.684 min Scan# 1082
Delta R.T. 0.024 min
Lab File: VX045419.D
Acq: 24 Mar 2025 16:50

Tgt Ion: 88 Resp: 195

Ion	Ratio	Lower	Upper
88	100		
43	0.0	28.7	43.1#
58	59.5	55.8	83.8



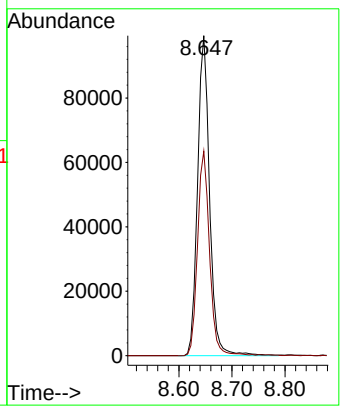


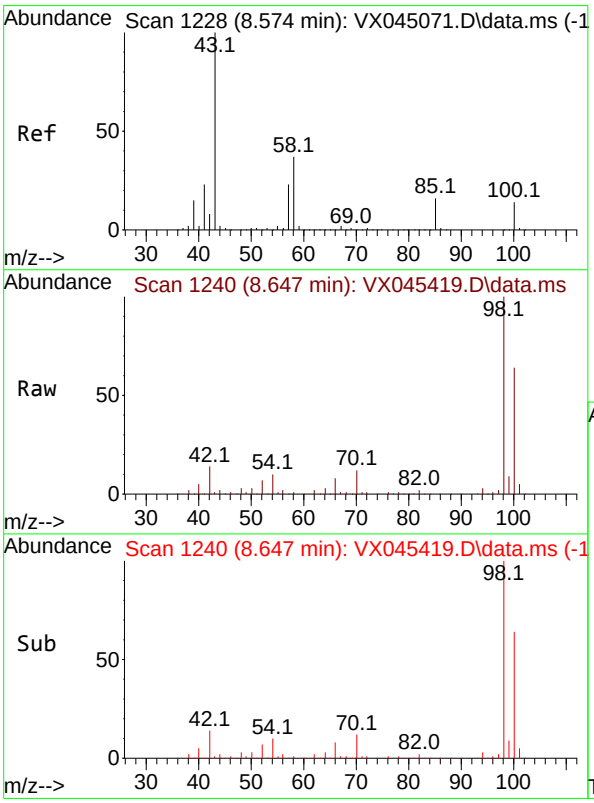
#50
Toluene-d8
Concen: 49.269 ug/l
RT: 8.647 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045419.D
Acq: 24 Mar 2025 16:50

Instrument :
MSVOA_X
ClientSampleId :
RE132D7-20250318

Tgt Ion: 98 Resp: 156497

Ion	Ratio	Lower	Upper
98	100		
100	64.1	52.0	78.0

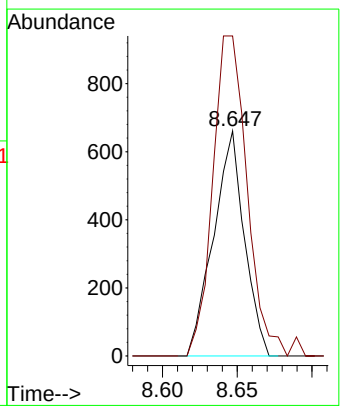


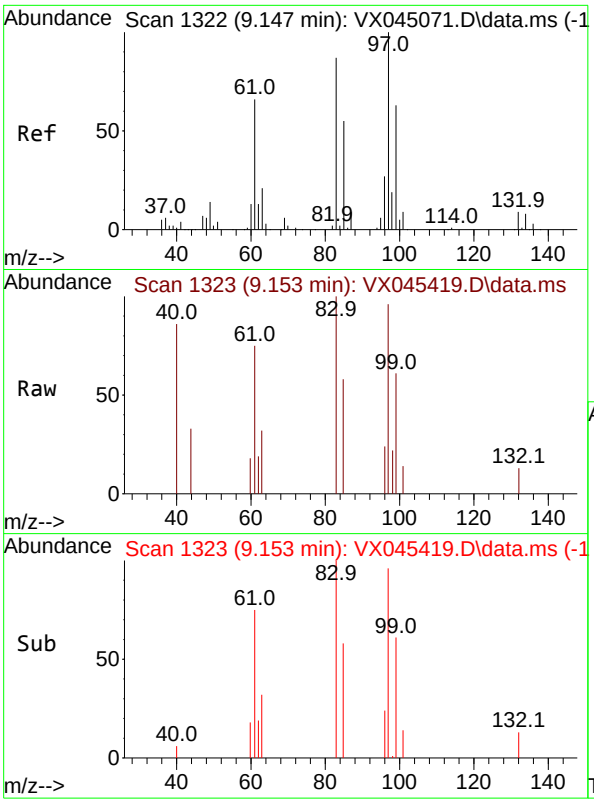


#51
4-Methyl-2-Pentanone
Concen: 0.617 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.073 min
Lab File: VX045419.D
Acq: 24 Mar 2025 16:50

Tgt Ion: 43 Resp: 948

Ion	Ratio	Lower	Upper
43	100		
58	160.1	29.2	43.8#



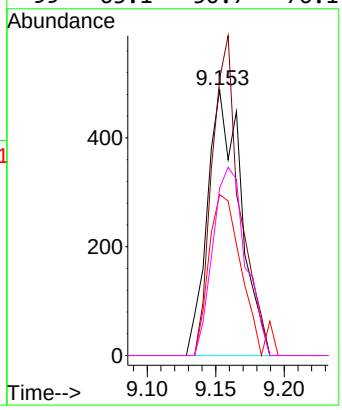


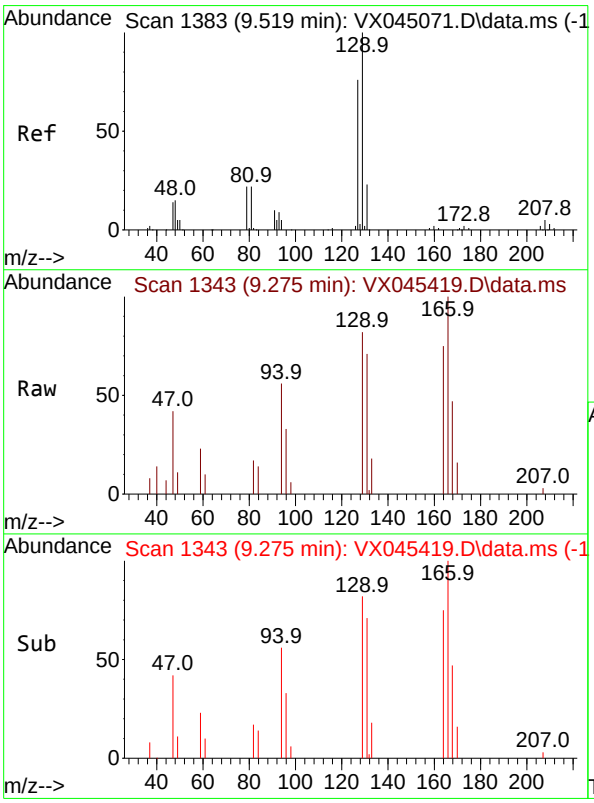
#55
1,1,2-Trichloroethane
Concen: 0.911 ug/l
RT: 9.153 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045419.D
Acq: 24 Mar 2025 16:50

Instrument :
MSVOA_X
ClientSampleId :
RE132D7-20250318

Tgt Ion: 97 Resp: 835

Ion	Ratio	Lower	Upper
97	100		
83	104.3	69.4	104.2#
85	60.7	44.1	66.1
99	63.1	50.7	76.1

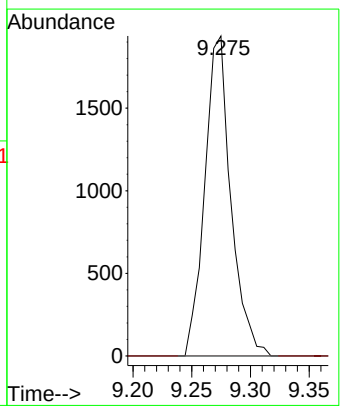


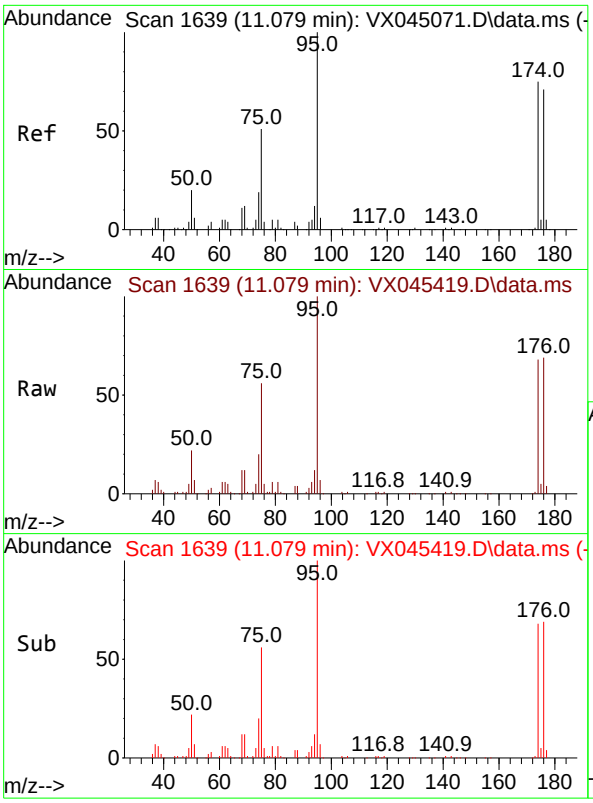


#60
Dibromochloromethane
Concen: 3.122 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.244 min
Lab File: VX045419.D
Acq: 24 Mar 2025 16:50

Tgt Ion:129 Resp: 2992

Ion	Ratio	Lower	Upper
129	100		
127	0.0	38.5	115.5#



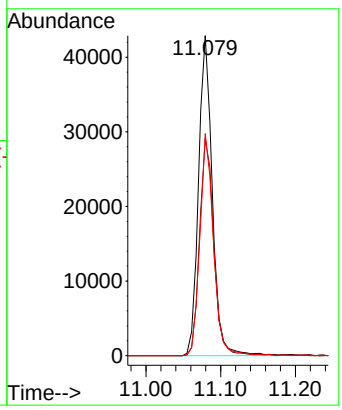


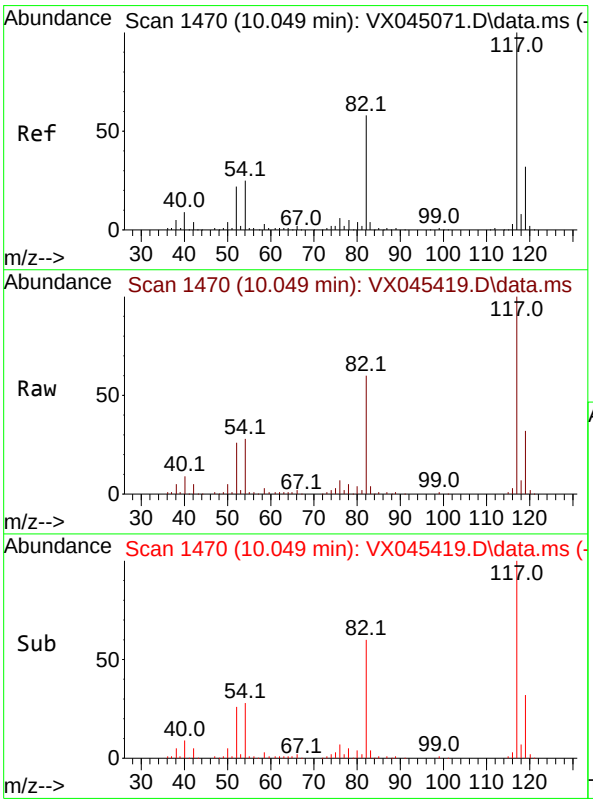
#62
4-Bromofluorobenzene
Concen: 52.112 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045419.D
Acq: 24 Mar 2025 16:50

Instrument :
MSVOA_X
ClientSampleId :
RE132D7-20250318

Tgt Ion: 95 Resp: 54851

Ion	Ratio	Lower	Upper
95	100		
174	70.3	0.0	148.2
176	68.7	0.0	141.4

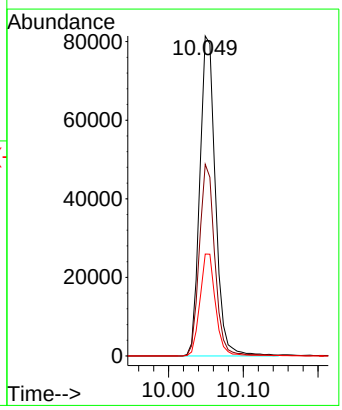


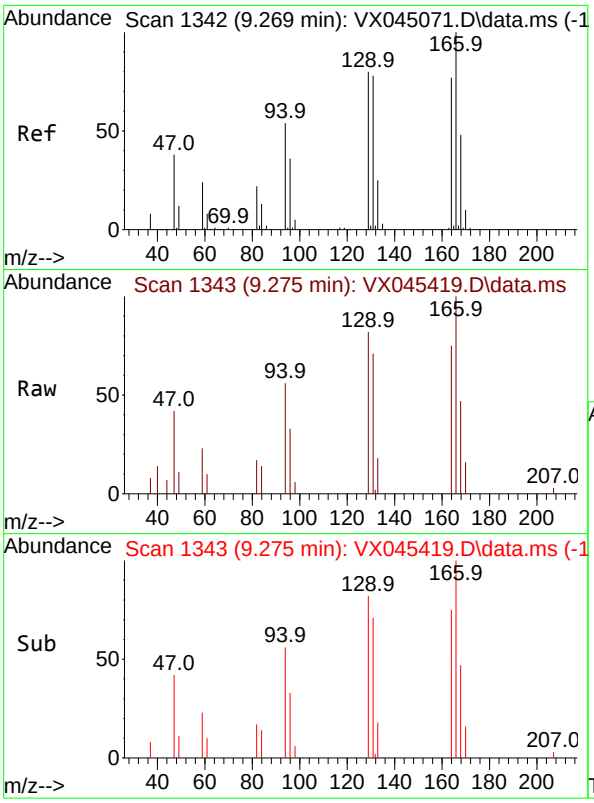


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX045419.D
Acq: 24 Mar 2025 16:50

Tgt Ion:117 Resp: 118374

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



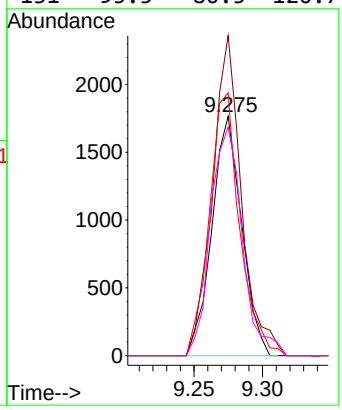


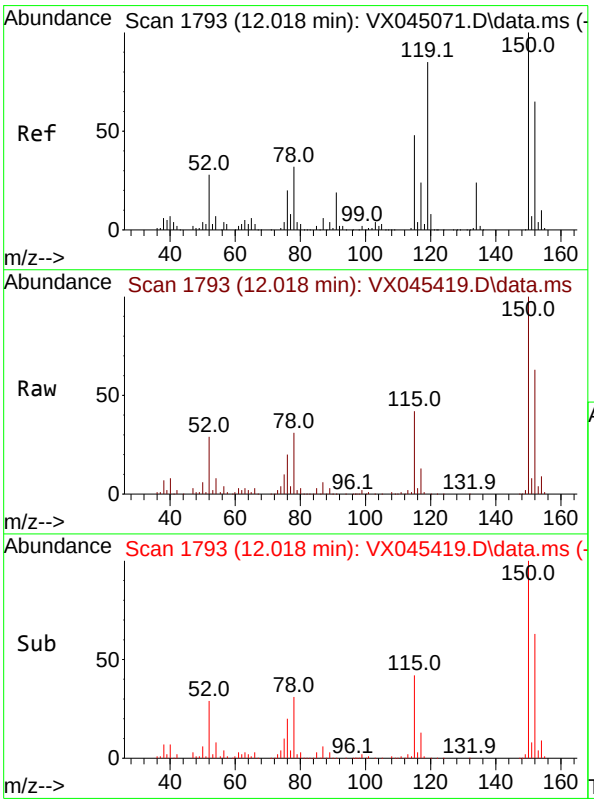
#64
Tetrachloroethene
Concen: 3.523 ug/l
RT: 9.275 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045419.D
Acq: 24 Mar 2025 16:50

Instrument :
MSVOA_X
ClientSampleId :
RE132D7-20250318

Tgt Ion:164 Resp: 2671

Ion	Ratio	Lower	Upper
164	100		
166	133.8	103.6	155.4
129	109.8	82.7	124.1
131	95.5	80.5	120.7

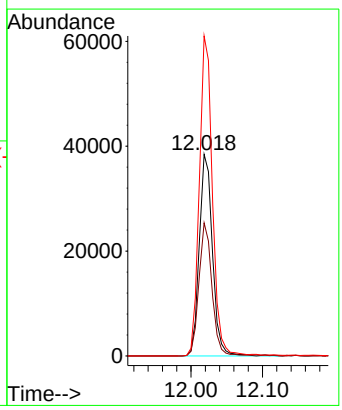


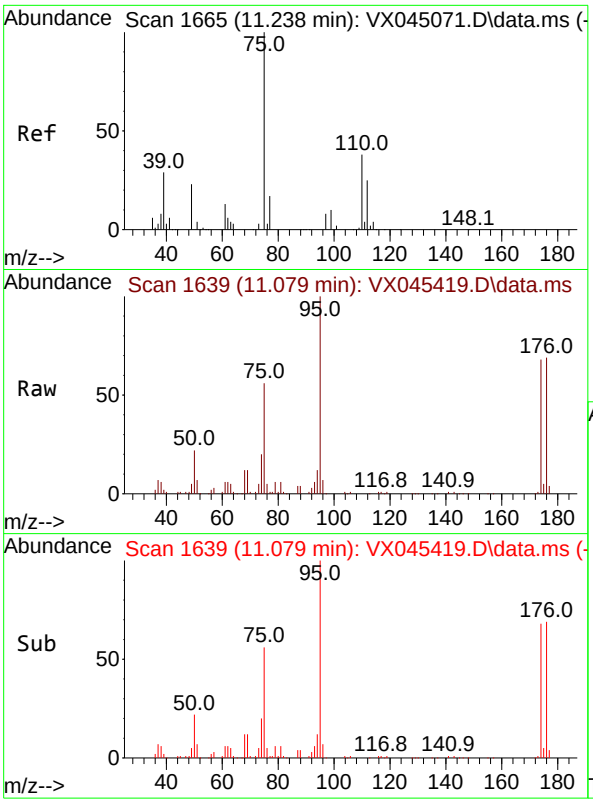


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX045419.D
Acq: 24 Mar 2025 16:50

Tgt Ion:152 Resp: 49435

Ion	Ratio	Lower	Upper
152	100		
115	64.9	44.2	132.6
150	157.6	0.0	349.0



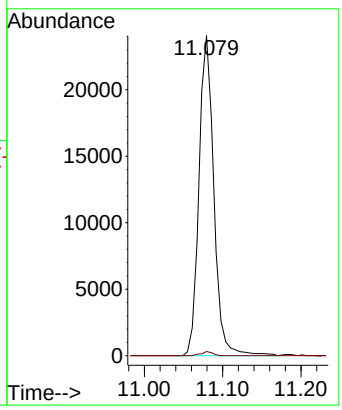


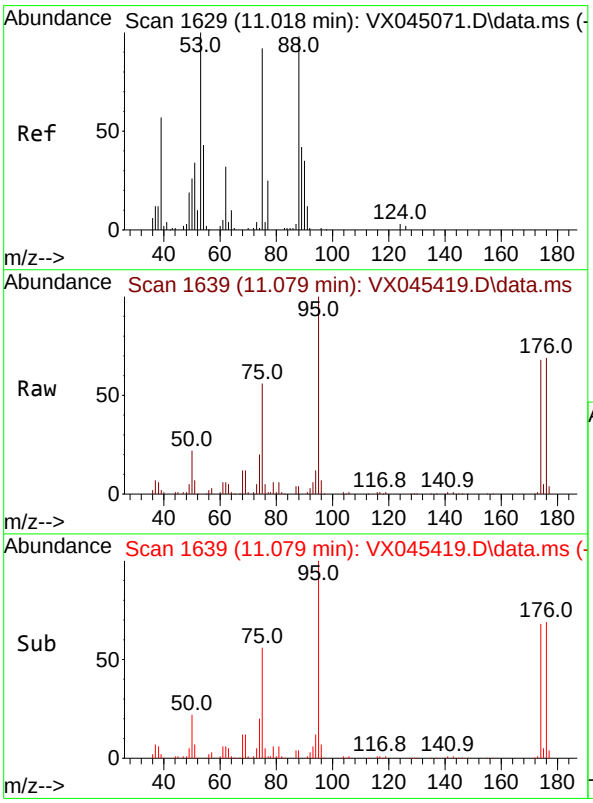
#76
1,2,3-Trichloropropane
Concen: 27.606 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.158 min
Lab File: VX045419.D
Acq: 24 Mar 2025 16:50

Instrument :
MSVOA_X
ClientSampleId :
RE132D7-20250318

Tgt Ion: 75 Resp: 31763

Ion	Ratio	Lower	Upper
75	100		
77	1.0	20.7	62.1#

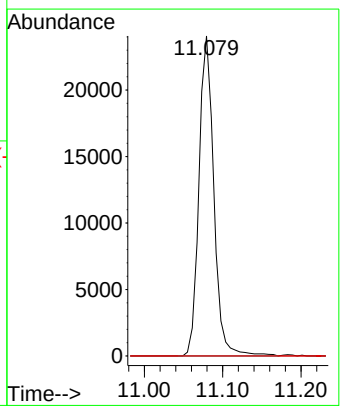




#81
trans-1,4-Dichloro-2-butene
Concen: 94.471 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX045419.D
Acq: 24 Mar 2025 16:50

Tgt Ion: 75 Resp: 31763

Ion	Ratio	Lower	Upper
75	100		
53	0.0	88.5	132.7#
89	0.0	36.2	54.4#



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032425\
Data File : VX045429.D
Acq On : 24 Mar 2025 20:42
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 25 01:41:26 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	79380	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	140920	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	127528	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	60400	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	72771	57.633	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 115.260%			
35) Dibromofluoromethane	5.379	113	52802	56.036	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 112.080%			
50) Toluene-d8	8.647	98	179910	52.665	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 105.320%			
62) 4-Bromofluorobenzene	11.079	95	66953	59.145	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 118.300%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	45997	46.034	ug/l	99
3) Chloromethane	1.307	50	54331	44.431	ug/l	98
4) Vinyl Chloride	1.374	62	50608	41.720	ug/l	99
5) Bromomethane	1.593	94	22956	48.139	ug/l	100
6) Chloroethane	1.666	64	28891	51.635	ug/l	97
7) Trichlorofluoromethane	1.867	101	77611	48.330	ug/l	97
8) Diethyl Ether	2.136	74	28336	45.113	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.319	101	48237	52.284	ug/l	97
10) Methyl Iodide	2.441	142	62107	53.868	ug/l	95
11) Tert butyl alcohol	2.983	59	50665	211.839	ug/l	98
12) 1,1-Dichloroethene	2.306	96	47178	48.367	ug/l	92
13) Acrolein	2.233	56	90633	327.822	ug/l	98
14) Allyl chloride	2.654	41	90538	52.145	ug/l	95
15) Acrylonitrile	3.062	53	170299	265.679	ug/l	99
16) Acetone	2.386	43	155486	265.410	ug/l	96
17) Carbon Disulfide	2.501	76	91918	35.381	ug/l	98
18) Methyl Acetate	2.703	43	98571	69.942	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	172724	52.780	ug/l	98
20) Methylene Chloride	2.782	84	57405	49.467	ug/l	95
21) trans-1,2-Dichloroethene	3.087	96	47238	49.020	ug/l	97
22) Diisopropyl ether	3.763	45	188400	53.354	ug/l	97
23) Vinyl Acetate	3.721	43	766218	260.018	ug/l	99
24) 1,1-Dichloroethane	3.605	63	103533	52.316	ug/l	99
25) 2-Butanone	4.556	43	238481	270.441	ug/l	97
26) 2,2-Dichloropropane	4.471	77	59898	64.528	ug/l	95
27) cis-1,2-Dichloroethene	4.483	96	61058	51.328	ug/l	94
28) Bromochloromethane	4.897	49	48365	51.274	ug/l	99
29) Tetrahydrofuran	5.007	42	148894	251.430	ug/l	99
30) Chloroform	5.086	83	107493	54.666	ug/l	97
31) Cyclohexane	5.458	56	80394	46.799	ug/l	94
32) 1,1,1-Trichloroethane	5.379	97	86620	54.542	ug/l	97
36) 1,1-Dichloropropene	5.684	75	65568	50.739	ug/l	99
37) Ethyl Acetate	4.714	43	83953	50.417	ug/l	99
38) Carbon Tetrachloride	5.672	117	71248	54.307	ug/l	99
39) Methylcyclohexane	7.373	83	74956	48.408	ug/l	99
40) Benzene	6.031	78	208827	51.175	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032425\
Data File : VX045429.D
Acq On : 24 Mar 2025 20:42
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 25 01:41:26 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	4.922	41	52783	58.623	ug/l		97
42) 1,2-Dichloroethane	6.080	62	87114	59.283	ug/l		96
43) Isopropyl Acetate	6.342	43	134746	54.724	ug/l		99
44) Trichloroethene	7.123	130	48817	50.948	ug/l		92
45) 1,2-Dichloropropane	7.427	63	55529	52.926	ug/l		99
46) Dibromomethane	7.580	93	41248	55.622	ug/l		96
47) Bromodichloromethane	7.818	83	81764	56.211	ug/l		98
48) Methyl methacrylate	7.690	41	71093	57.551	ug/l		94
49) 1,4-Dioxane	7.659	88	26730	1025.803	ug/l		97
51) 4-Methyl-2-Pentanone	8.574	43	484628	293.128	ug/l		99
52) Toluene	8.714	92	127484	53.247	ug/l		100
53) t-1,3-Dichloropropene	8.976	75	69031	56.767	ug/l		98
54) cis-1,3-Dichloropropene	8.366	75	78264	55.193	ug/l		94
55) 1,1,2-Trichloroethane	9.147	97	54257	55.047	ug/l		96
56) Ethyl methacrylate	9.116	69	87426	58.353	ug/l		94
57) 1,3-Dichloropropane	9.305	76	93605	54.877	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.238	63	210140	287.528	ug/l		99
59) 2-Hexanone	9.427	43	352647	294.391	ug/l		99
60) Dibromochloromethane	9.518	129	59070	57.318	ug/l		100
61) 1,2-Dibromoethane	9.610	107	54221	55.105	ug/l		98
64) Tetrachloroethene	9.269	164	40631	49.746	ug/l		95
65) Chlorobenzene	10.079	112	139977	51.873	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.159	131	47764	53.151	ug/l		99
67) Ethyl Benzene	10.189	91	250322	53.238	ug/l		98
68) m/p-Xylenes	10.299	106	181238	105.294	ug/l		95
69) o-Xylene	10.640	106	91030	52.437	ug/l		98
70) Styrene	10.652	104	157381	56.029	ug/l		98
71) Bromoform	10.799	173	37887	55.909	ug/l	#	97
73) Isopropylbenzene	10.957	105	242935	51.530	ug/l		98
74) N-amyl acetate	10.841	43	116309	52.577	ug/l		98
75) 1,1,2,2-Tetrachloroethane	11.213	83	87517	50.588	ug/l		100
76) 1,2,3-Trichloropropane	11.238	75	90358	64.274	ug/l		86
77) Bromobenzene	11.195	156	56843	51.103	ug/l		97
78) n-propylbenzene	11.299	91	283698	53.271	ug/l		99
79) 2-Chlorotoluene	11.360	91	172828	50.957	ug/l		98
80) 1,3,5-Trimethylbenzene	11.451	105	201673	52.906	ug/l		97
81) trans-1,4-Dichloro-2-b...	11.018	75	20287	49.385	ug/l		89
82) 4-Chlorotoluene	11.451	91	196524	53.166	ug/l		98
83) tert-Butylbenzene	11.713	119	201144	51.356	ug/l		96
84) 1,2,4-Trimethylbenzene	11.750	105	204246	53.251	ug/l		98
85) sec-Butylbenzene	11.890	105	253554	54.043	ug/l		99
86) p-Isopropyltoluene	12.006	119	204726	53.996	ug/l		98
87) 1,3-Dichlorobenzene	11.969	146	101152	50.976	ug/l		99
88) 1,4-Dichlorobenzene	12.036	146	101650	50.634	ug/l		98
89) n-Butylbenzene	12.329	91	182883	56.004	ug/l		99
90) Hexachloroethane	12.536	117	35393	51.608	ug/l		98
91) 1,2-Dichlorobenzene	12.335	146	102600	51.543	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	12.939	75	18601	55.190	ug/l		92
93) 1,2,4-Trichlorobenzene	13.585	180	59017	52.069	ug/l		99
94) Hexachlorobutadiene	13.725	225	23730	51.066	ug/l		99
95) Naphthalene	13.774	128	223298	51.277	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	61297	51.264	ug/l		97

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032425\
Data File : VX045429.D
Acq On : 24 Mar 2025 20:42
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 25 01:41:26 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

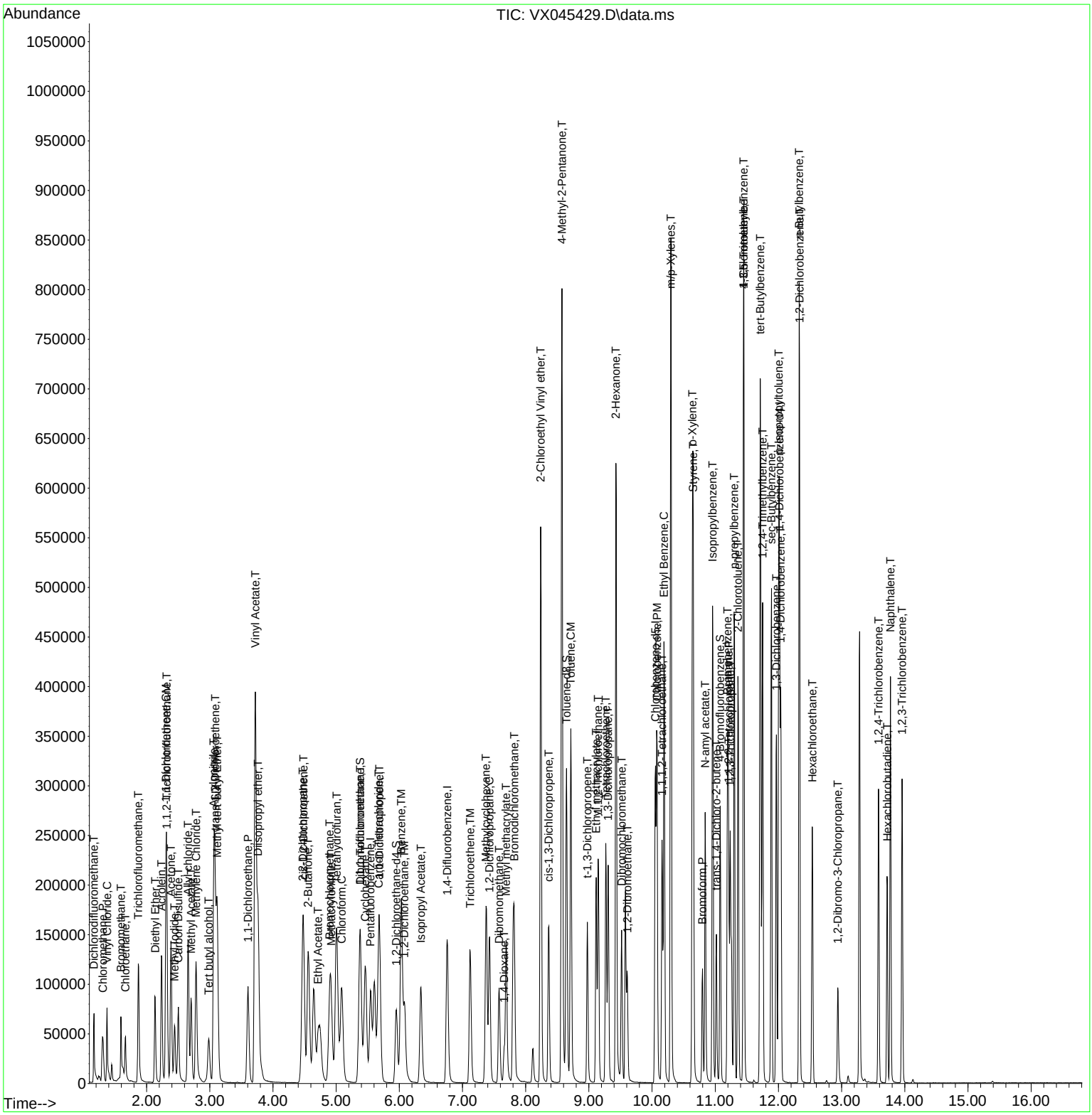
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

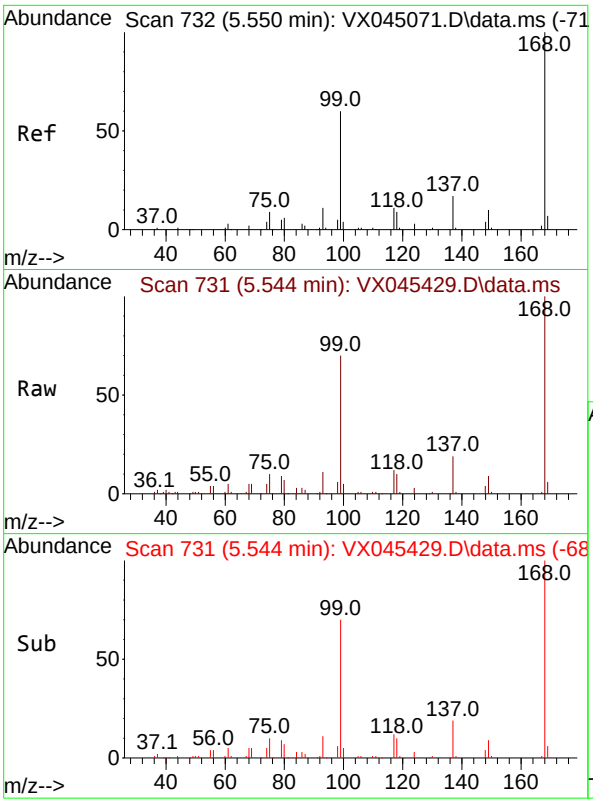
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032425\
Data File : VX045429.D
Acq On : 24 Mar 2025 20:42
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 25 01:41:26 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



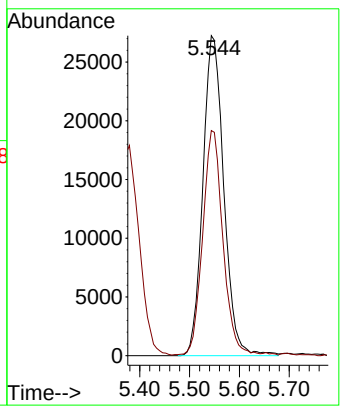


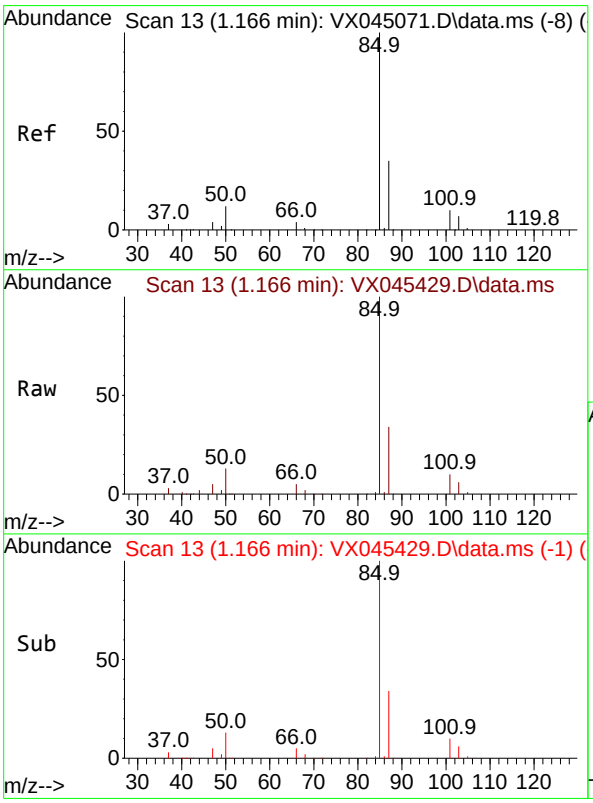
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045429.D
Acq: 24 Mar 2025 20:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:168 Resp: 79380

Ion	Ratio	Lower	Upper
168	100		
99	70.2	48.2	72.4

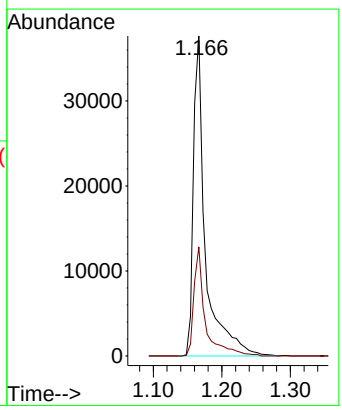


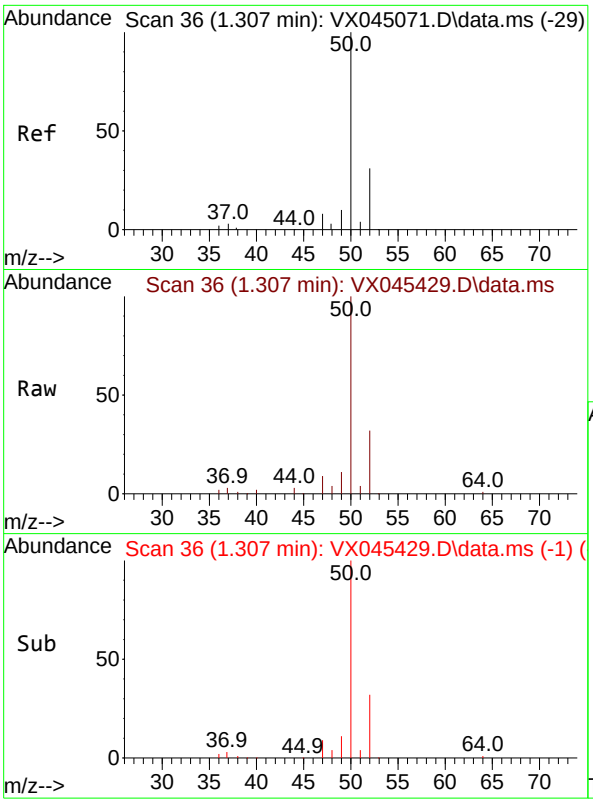


#2
Dichlorodifluoromethane
Concen: 46.034 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX045429.D
Acq: 24 Mar 2025 20:42

Tgt Ion: 85 Resp: 45997

Ion	Ratio	Lower	Upper
85	100		
87	34.1	17.4	52.3



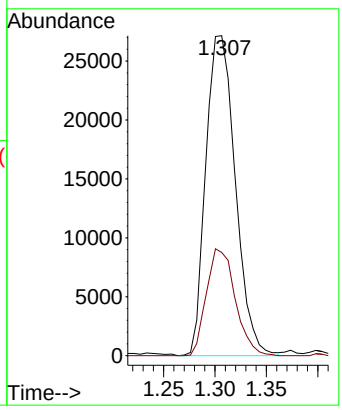


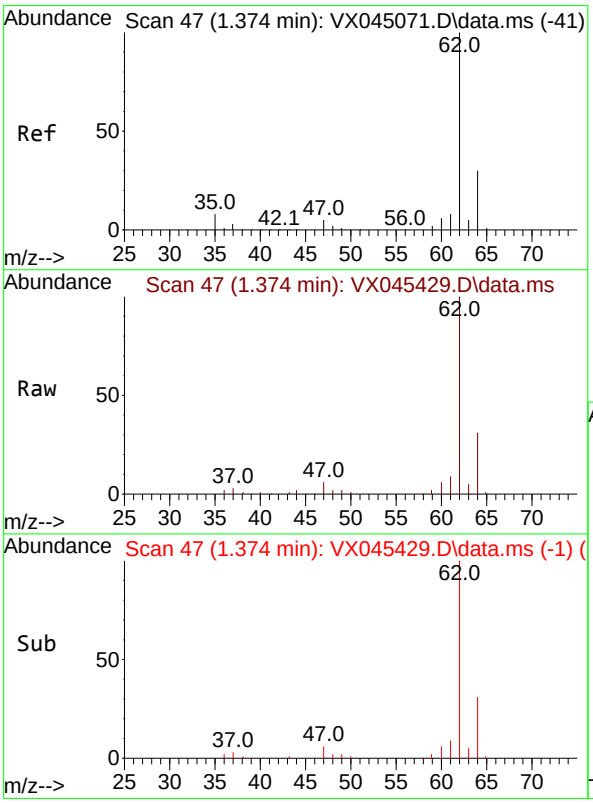
#3
Chloromethane
Concen: 44.431 ug/l
RT: 1.307 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045429.D
Acq: 24 Mar 2025 20:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 50 Resp: 54331

Ion	Ratio	Lower	Upper
50	100		
52	32.3	25.0	37.4

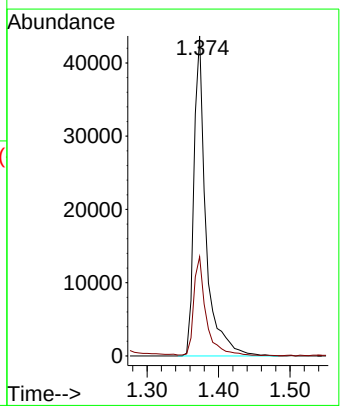


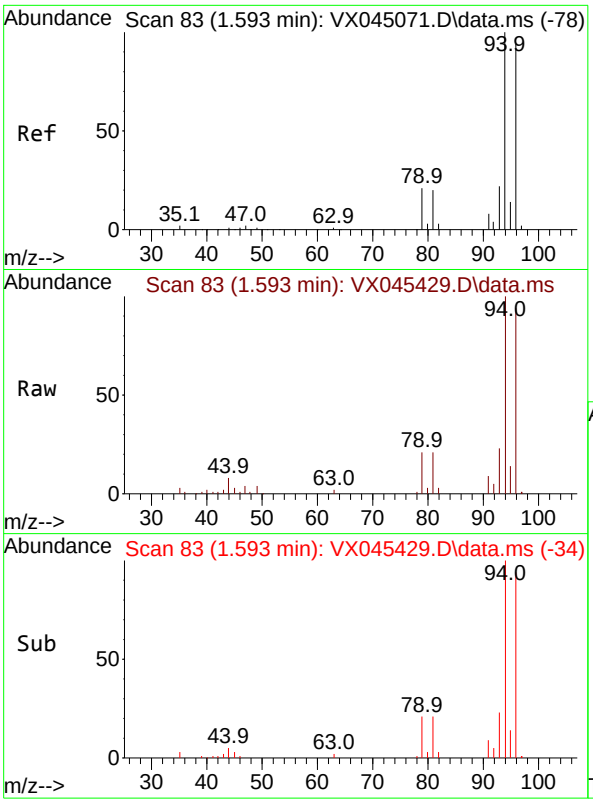


#4
Vinyl Chloride
Concen: 41.720 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX045429.D
Acq: 24 Mar 2025 20:42

Tgt Ion: 62 Resp: 50608

Ion	Ratio	Lower	Upper
62	100		
64	30.9	24.3	36.5



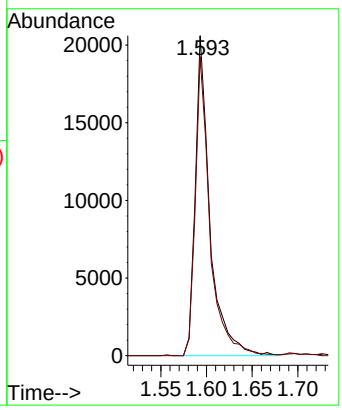


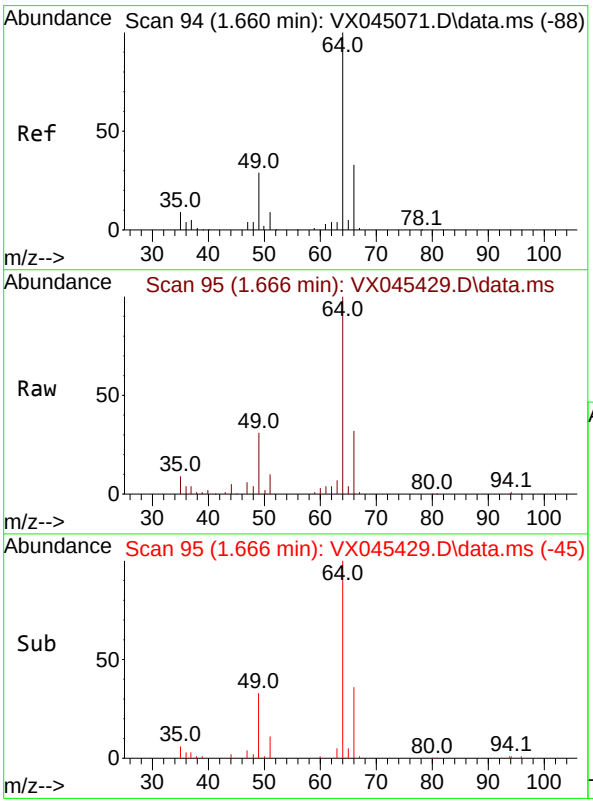
#5
Bromomethane
Concen: 48.139 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045429.D
Acq: 24 Mar 2025 20:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 94 Resp: 22956

Ion	Ratio	Lower	Upper
94	100		
96	93.5	75.0	112.4

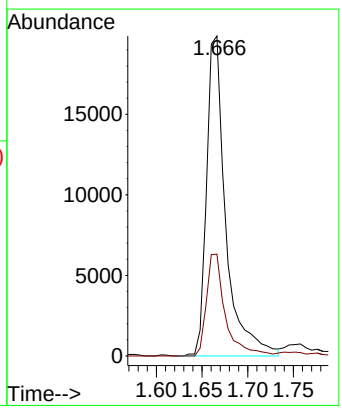


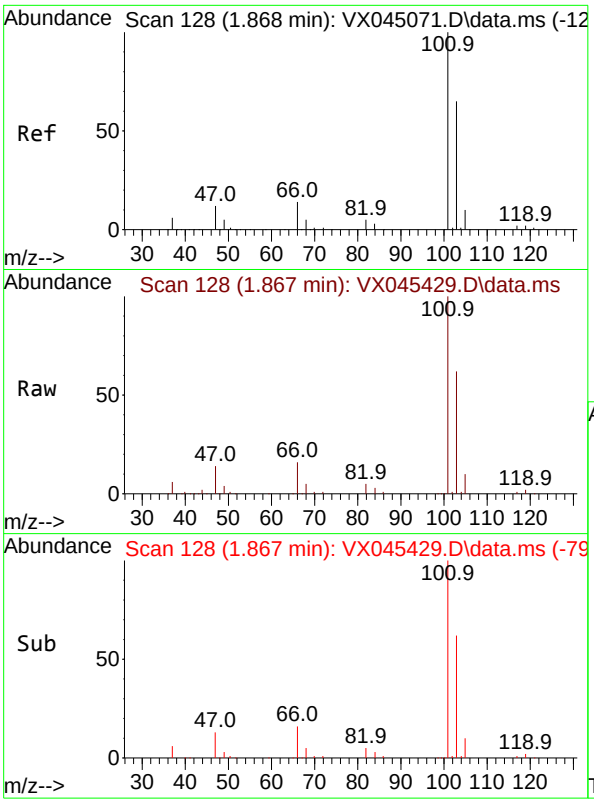


#6
Chloroethane
Concen: 51.635 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.006 min
Lab File: VX045429.D
Acq: 24 Mar 2025 20:42

Tgt Ion: 64 Resp: 28891

Ion	Ratio	Lower	Upper
64	100		
66	31.8	26.7	40.1



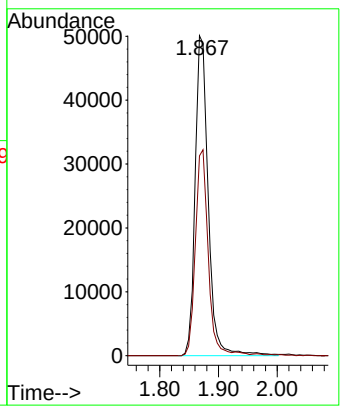


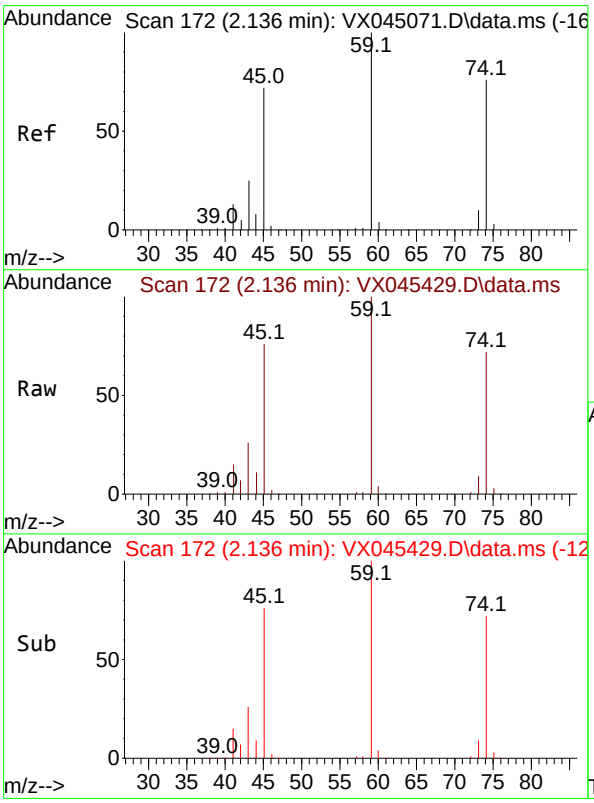
#7
Trichlorofluoromethane
Concen: 48.330 ug/l
RT: 1.867 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045429.D
Acq: 24 Mar 2025 20:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:101 Resp: 77611

Ion	Ratio	Lower	Upper
101	100		
103	62.5	52.1	78.1

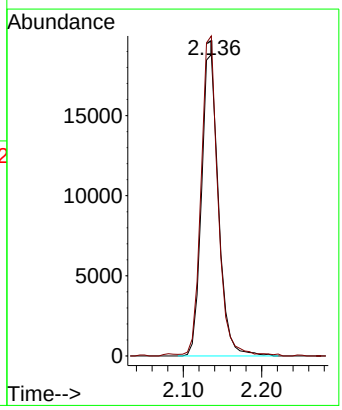


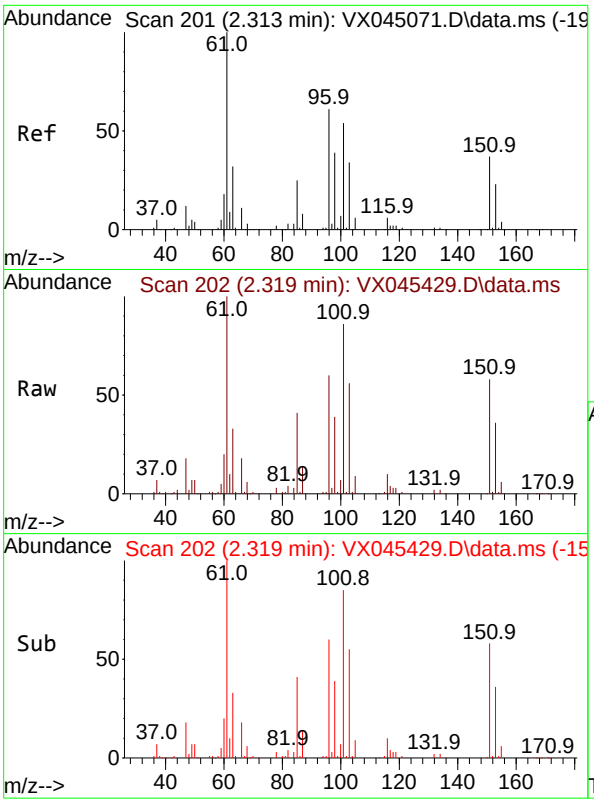


#8
Diethyl Ether
Concen: 45.113 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX045429.D
Acq: 24 Mar 2025 20:42

Tgt Ion: 74 Resp: 28336

Ion	Ratio	Lower	Upper
74	100		
45	105.6	51.5	154.5



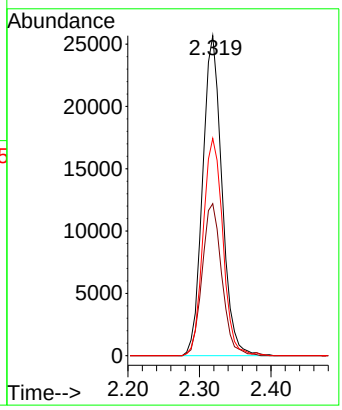


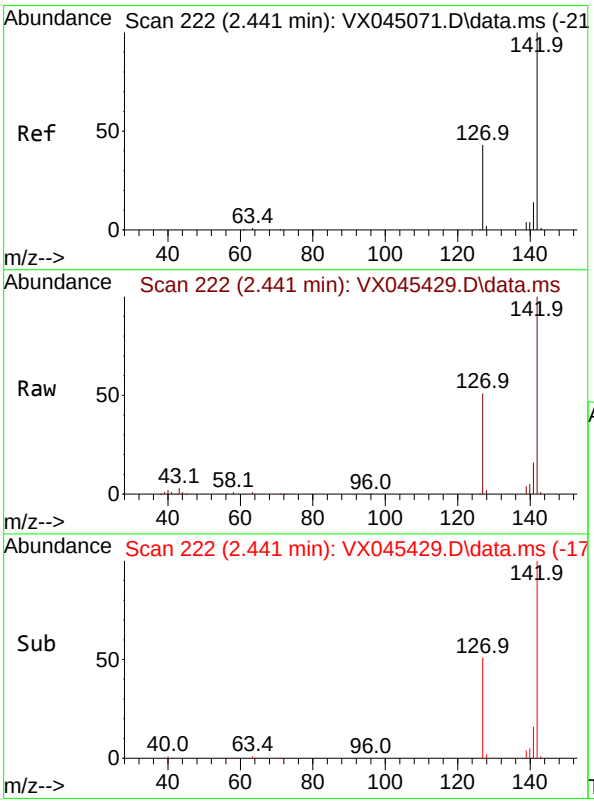
#9
1,1,2-Trichlorotrifluoroethane
Concen: 52.284 ug/l
RT: 2.319 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX045429.D
Acq: 24 Mar 2025 20:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:101 Resp: 48237

Ion	Ratio	Lower	Upper
101	100		
85	48.3	36.2	54.4
151	69.3	56.4	84.6

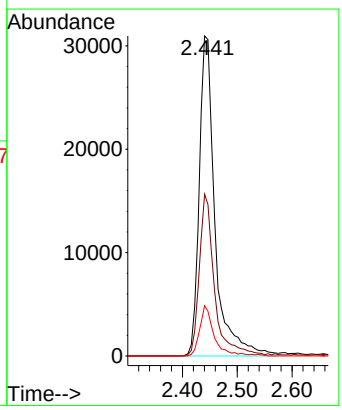


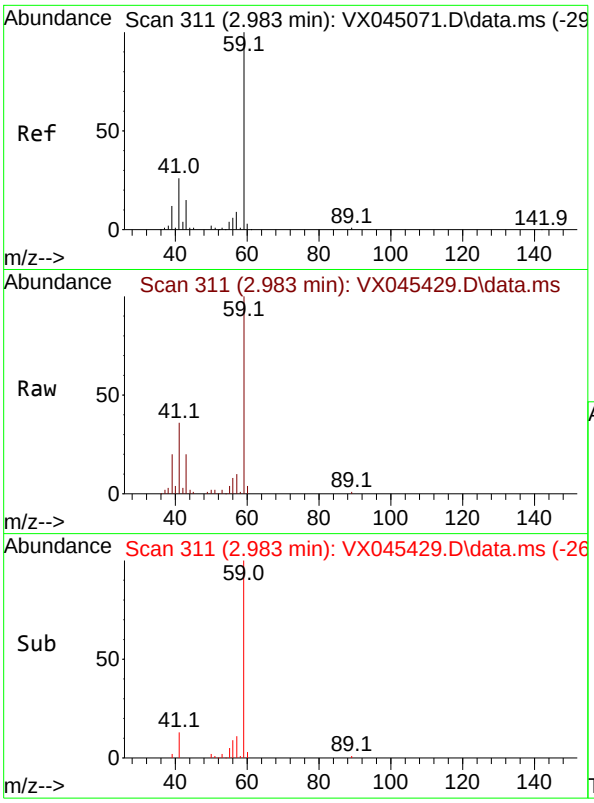


#10
Methyl Iodide
Concen: 53.868 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX045429.D
Acq: 24 Mar 2025 20:42

Tgt Ion:142 Resp: 62107

Ion	Ratio	Lower	Upper
142	100		
127	48.6	35.4	53.2
141	14.4	11.6	17.4



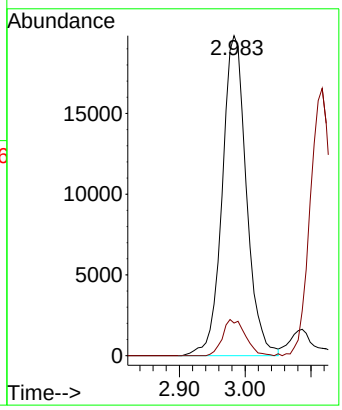


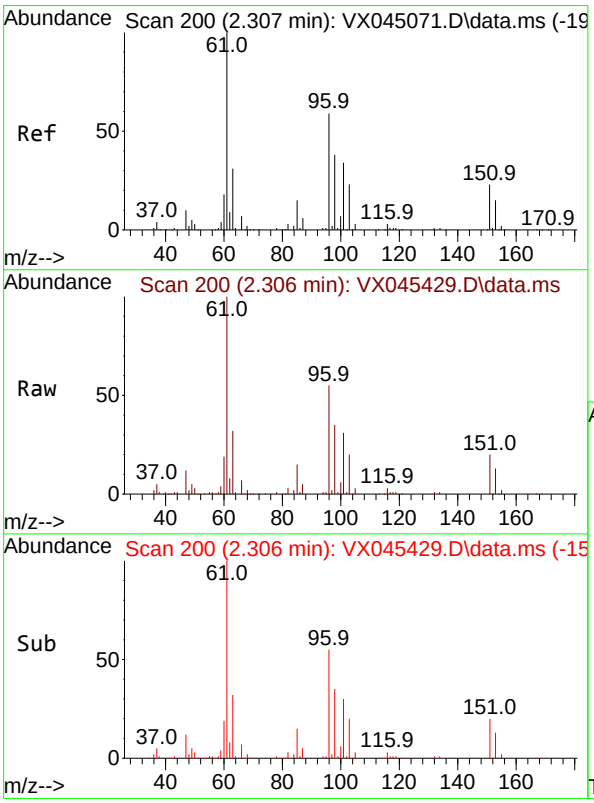
#11
Tert butyl alcohol
Concen: 211.839 ug/l
RT: 2.983 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045429.D
Acq: 24 Mar 2025 20:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 59 Resp: 50665

Ion	Ratio	Lower	Upper
59	100		
57	10.7	7.8	11.8

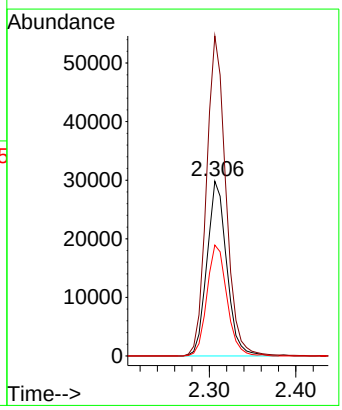


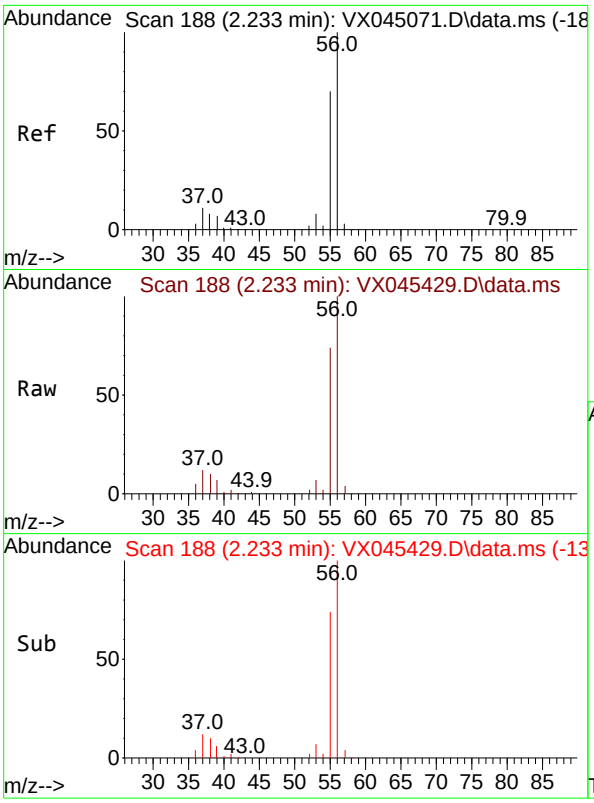


#12
1,1-Dichloroethene
Concen: 48.367 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX045429.D
Acq: 24 Mar 2025 20:42

Tgt Ion: 96 Resp: 47178

Ion	Ratio	Lower	Upper
96	100		
61	183.1	134.6	202.0
98	63.5	51.0	76.6



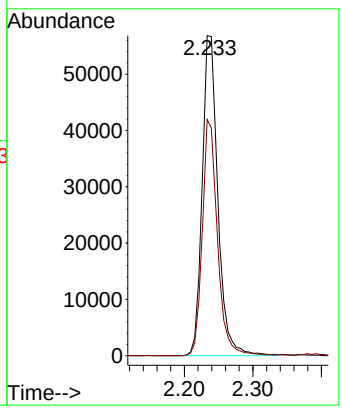


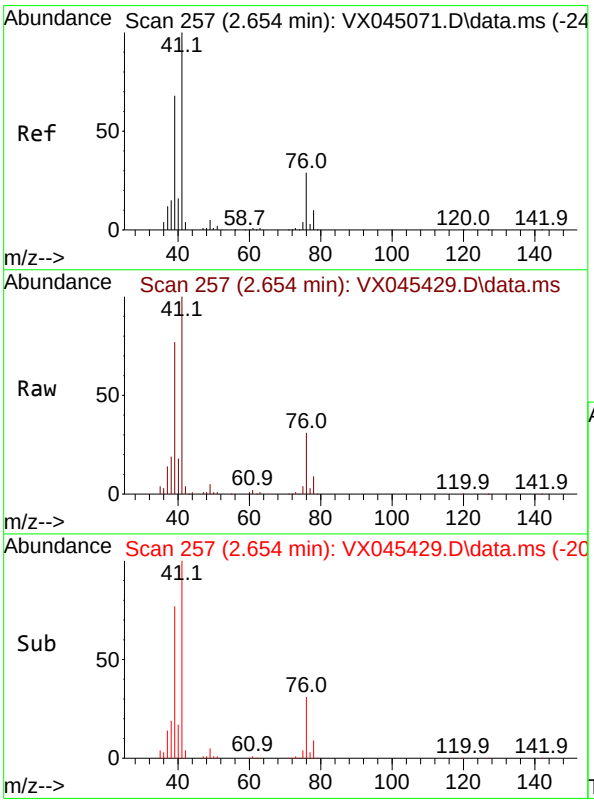
#13
Acrolein
Concen: 327.822 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045429.D
Acq: 24 Mar 2025 20:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 56 Resp: 90633

Ion	Ratio	Lower	Upper
56	100		
55	71.6	56.2	84.4

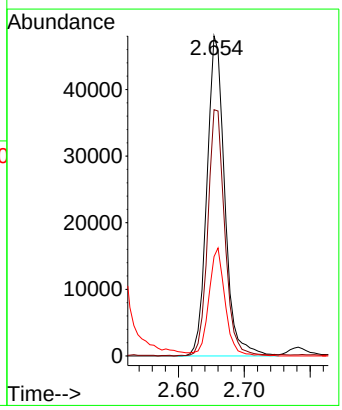


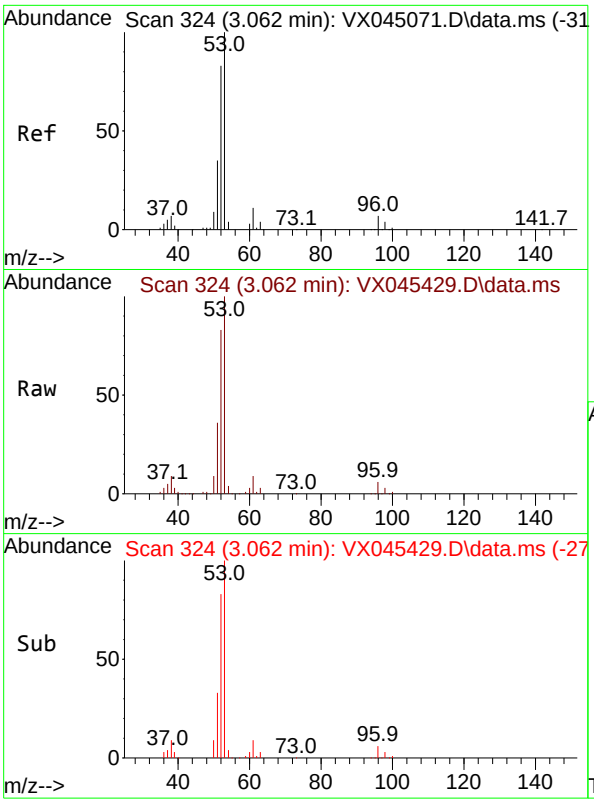


#14
Allyl chloride
Concen: 52.145 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX045429.D
Acq: 24 Mar 2025 20:42

Tgt Ion: 41 Resp: 90538

Ion	Ratio	Lower	Upper
41	100		
39	73.3	53.8	80.8
76	31.0	25.2	37.8



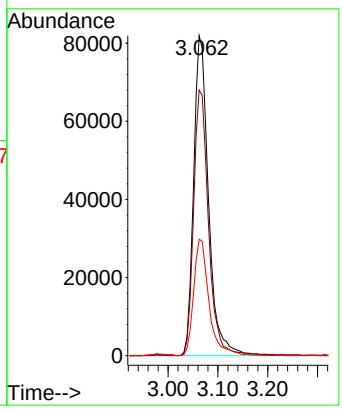


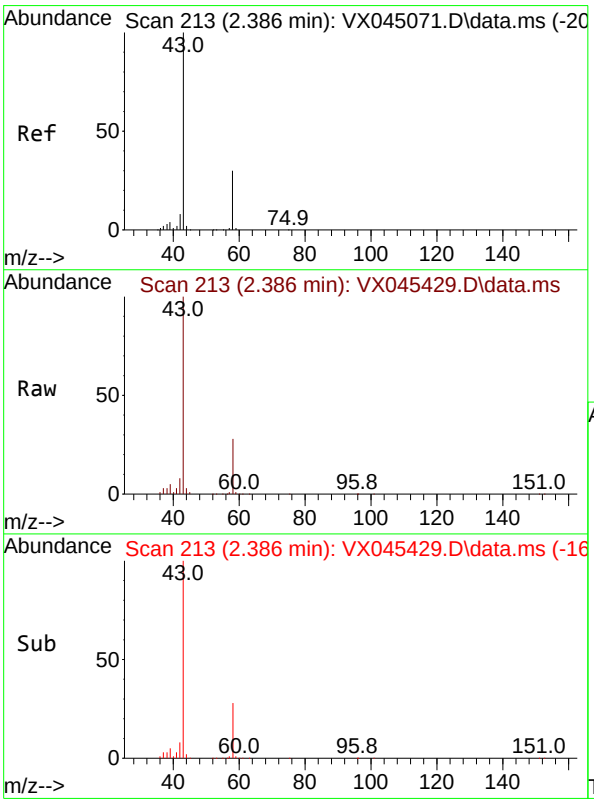
#15
Acrylonitrile
Concen: 265.679 ug/l
RT: 3.062 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045429.D
Acq: 24 Mar 2025 20:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 53 Resp: 170299

Ion	Ratio	Lower	Upper
53	100		
52	83.1	66.2	99.2
51	37.6	29.0	43.4

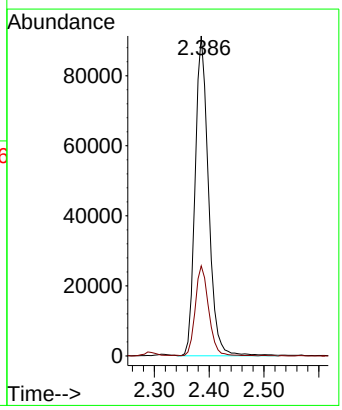


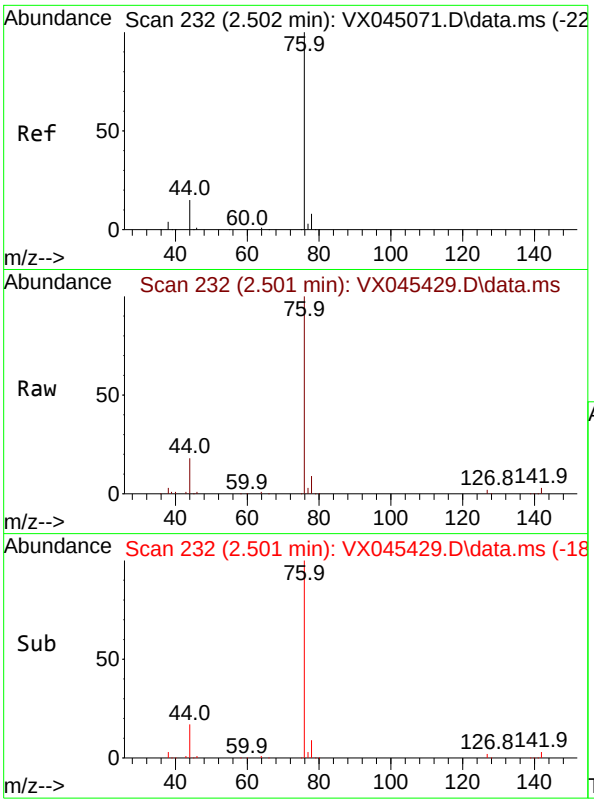


#16
Acetone
Concen: 265.410 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX045429.D
Acq: 24 Mar 2025 20:42

Tgt Ion: 43 Resp: 155486

Ion	Ratio	Lower	Upper
43	100		
58	28.1	24.2	36.4



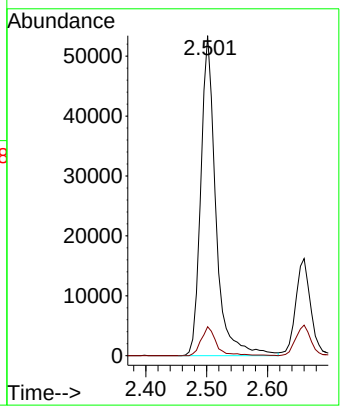


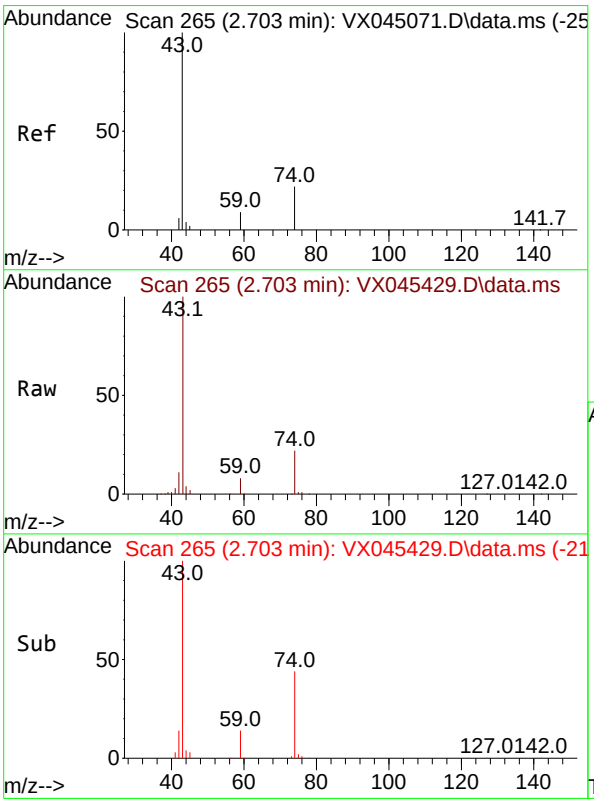
#17
Carbon Disulfide
Concen: 35.381 ug/l
RT: 2.501 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045429.D
Acq: 24 Mar 2025 20:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 76 Resp: 91918

Ion	Ratio	Lower	Upper
76	100		
78	9.0	6.6	9.8

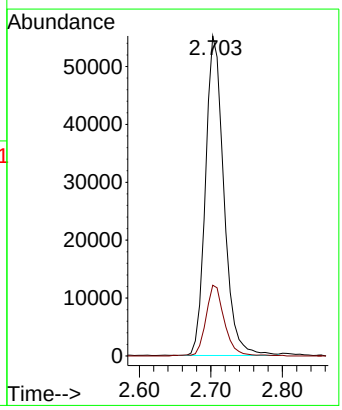


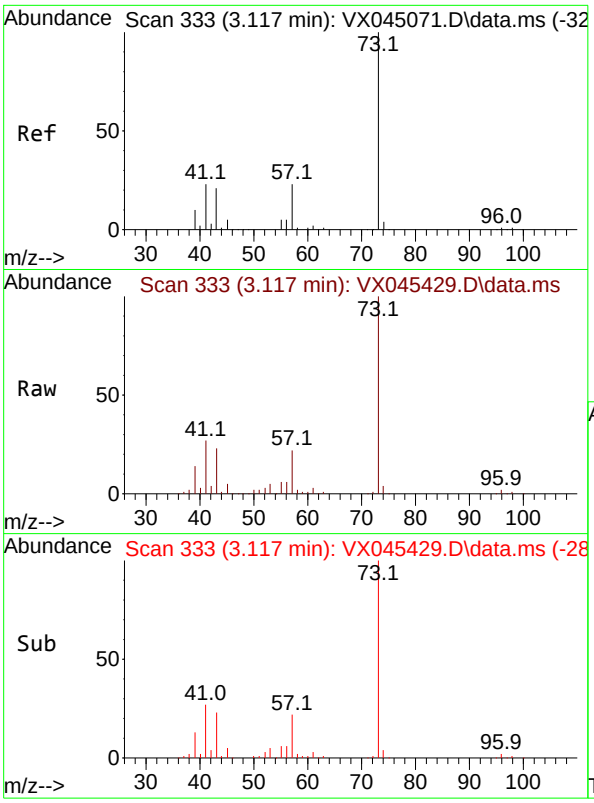


#18
Methyl Acetate
Concen: 69.942 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX045429.D
Acq: 24 Mar 2025 20:42

Tgt Ion: 43 Resp: 98571

Ion	Ratio	Lower	Upper
43	100		
74	22.4	17.4	26.2



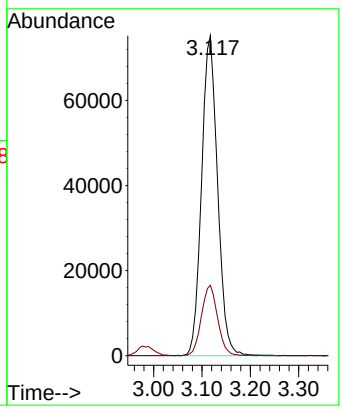


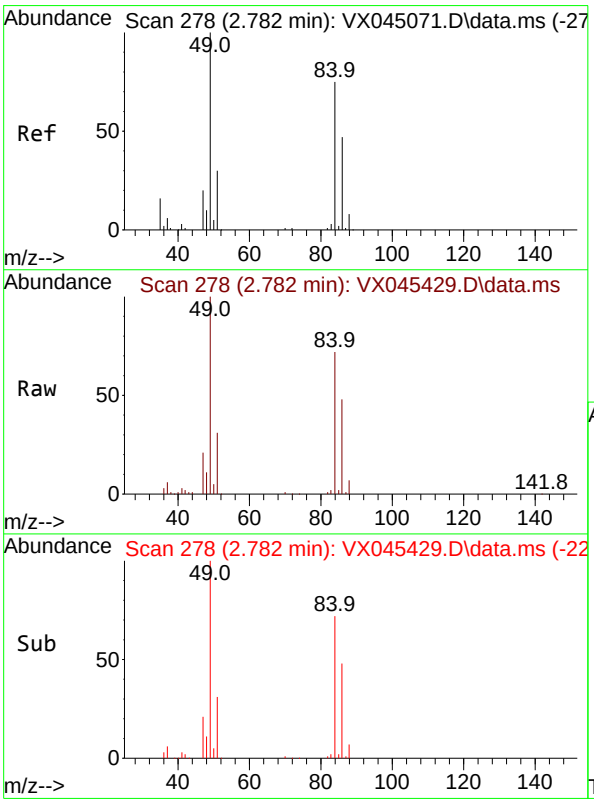
#19
Methyl tert-butyl Ether
Concen: 52.780 ug/l
RT: 3.117 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045429.D
Acq: 24 Mar 2025 20:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 73 Resp: 172724

Ion	Ratio	Lower	Upper
73	100		
57	22.0	18.5	27.7

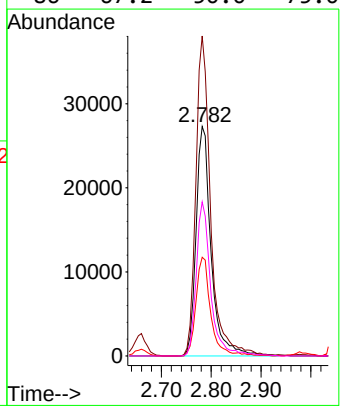


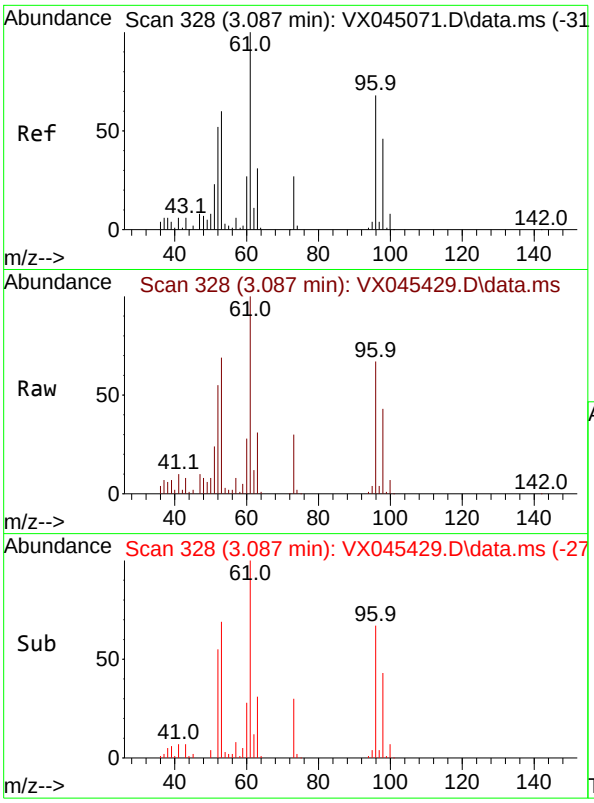


#20
Methylene Chloride
Concen: 49.467 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX045429.D
Acq: 24 Mar 2025 20:42

Tgt Ion: 84 Resp: 57405

Ion	Ratio	Lower	Upper
84	100		
49	139.5	106.5	159.7
51	43.0	32.1	48.1
86	67.2	50.0	75.0



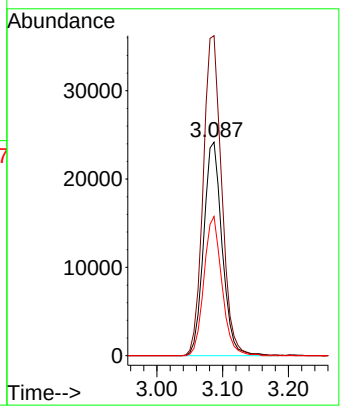


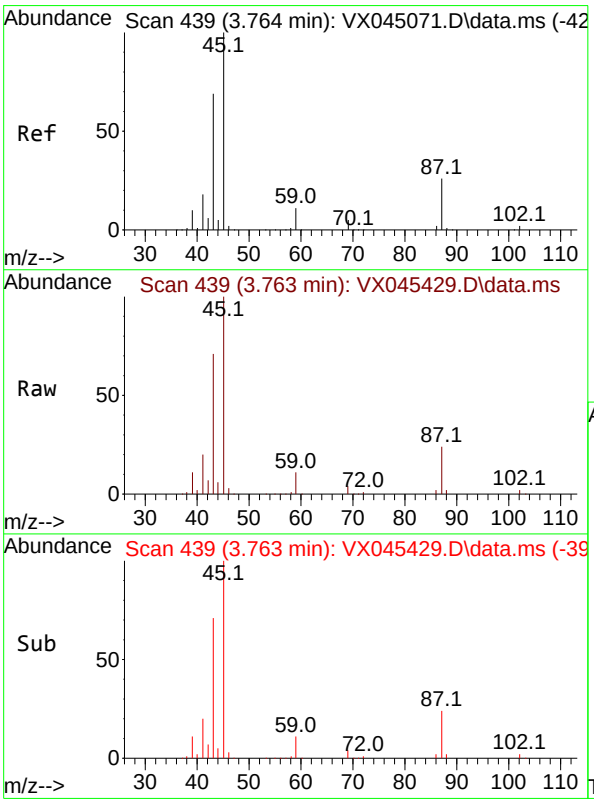
#21
trans-1,2-Dichloroethene
Concen: 49.020 ug/l
RT: 3.087 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045429.D
Acq: 24 Mar 2025 20:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 96 Resp: 47238

Ion	Ratio	Lower	Upper
96	100		
61	149.8	117.0	175.4
98	65.1	53.4	80.2

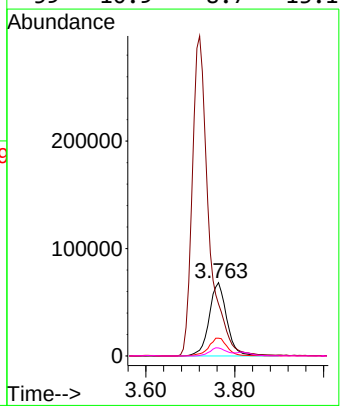


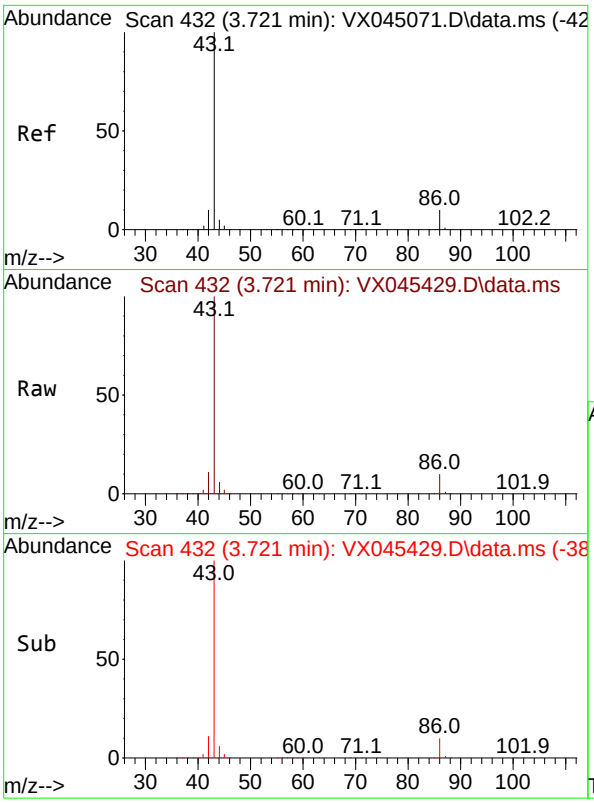


#22
Diisopropyl ether
Concen: 53.354 ug/l
RT: 3.763 min Scan# 439
Delta R.T. -0.000 min
Lab File: VX045429.D
Acq: 24 Mar 2025 20:42

Tgt Ion: 45 Resp: 188400

Ion	Ratio	Lower	Upper
45	100		
43	70.8	54.9	82.3
87	24.2	21.0	31.4
59	10.9	8.7	13.1



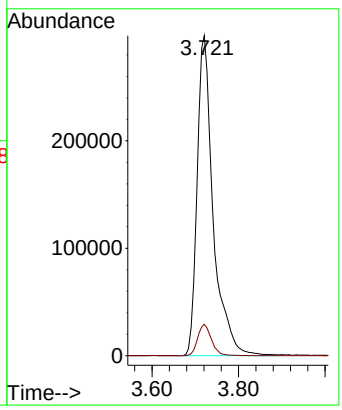


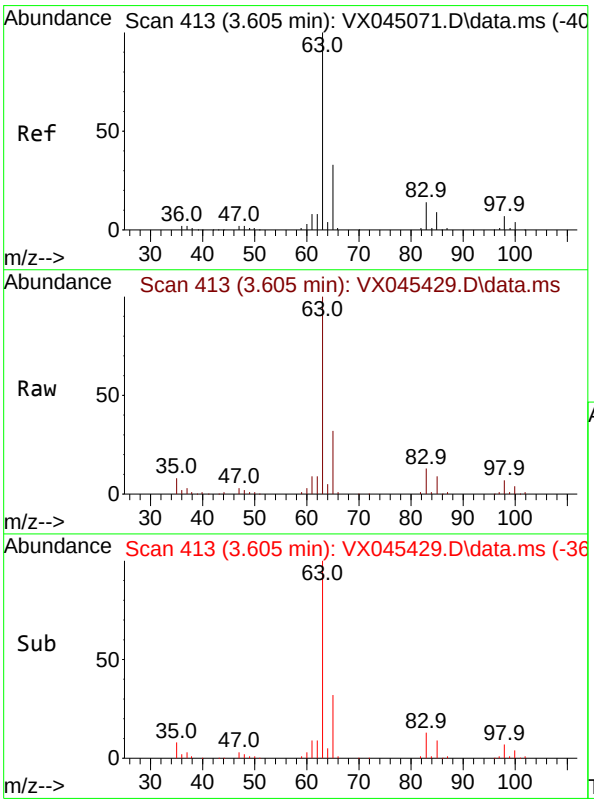
#23
Vinyl Acetate
Concen: 260.018 ug/l
RT: 3.721 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX045429.D
Acq: 24 Mar 2025 20:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 766218

Ion	Ratio	Lower	Upper
43	100		
86	9.8	8.1	12.1

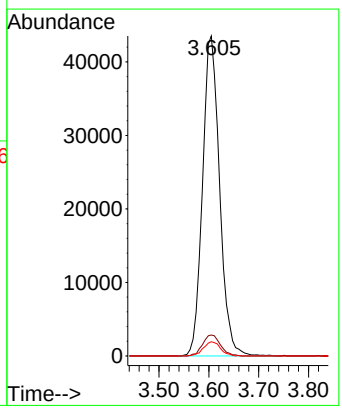


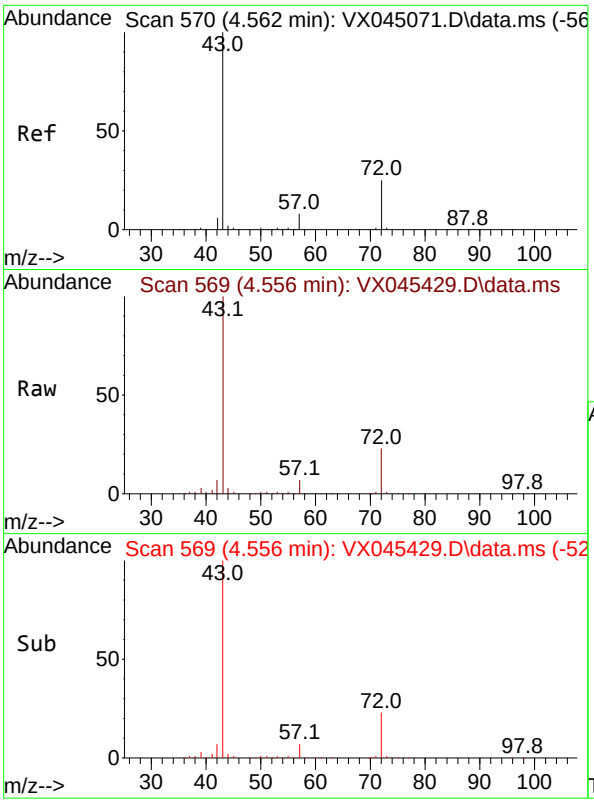


#24
1,1-Dichloroethane
Concen: 52.316 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX045429.D
Acq: 24 Mar 2025 20:42

Tgt Ion: 63 Resp: 103533

Ion	Ratio	Lower	Upper
63	100		
98	6.6	3.4	10.2
100	4.4	2.1	6.5



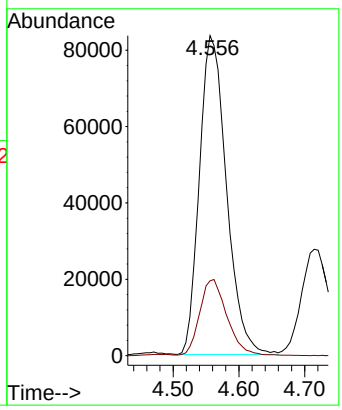


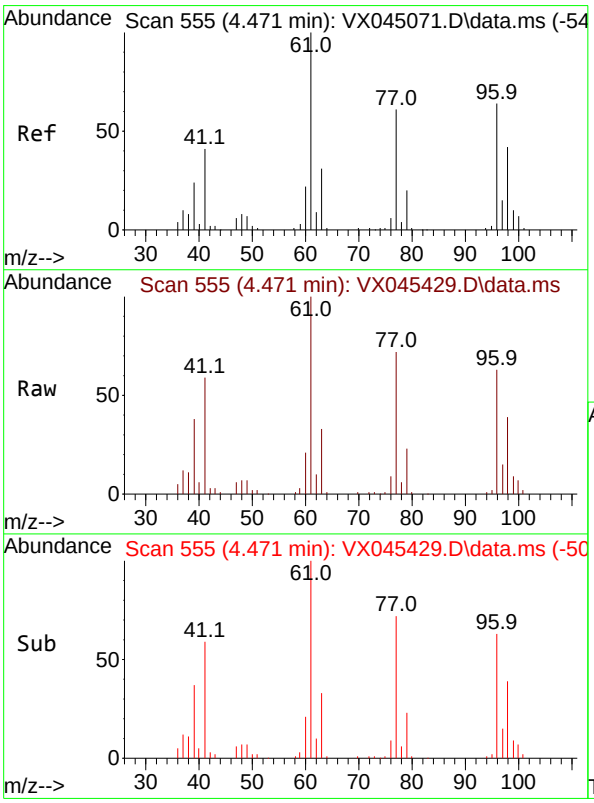
#25
2-Butanone
Concen: 270.441 ug/l
RT: 4.556 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX045429.D
Acq: 24 Mar 2025 20:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 238481

Ion	Ratio	Lower	Upper
43	100		
72	23.3	20.0	30.0

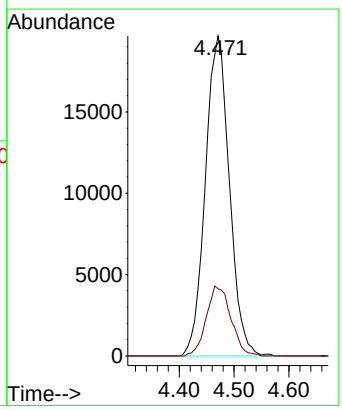


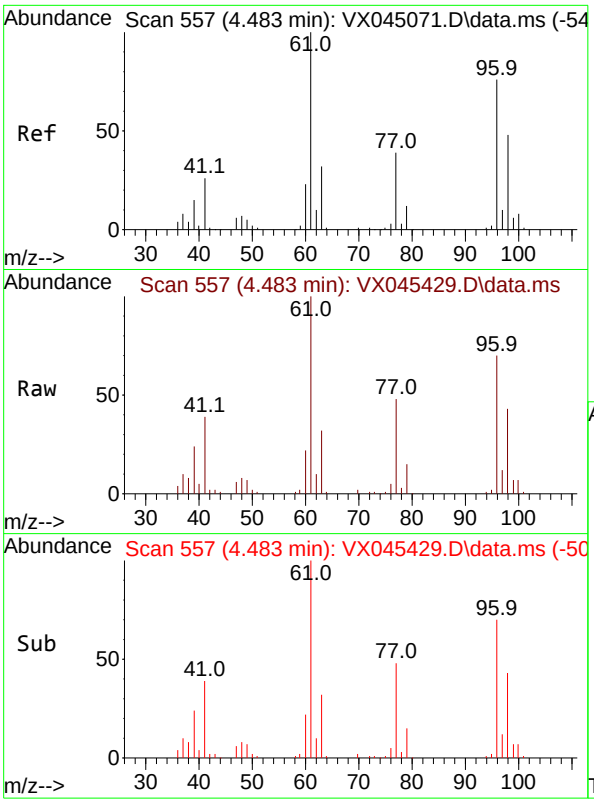


#26
2,2-Dichloropropane
Concen: 64.528 ug/l
RT: 4.471 min Scan# 555
Delta R.T. -0.000 min
Lab File: VX045429.D
Acq: 24 Mar 2025 20:42

Tgt Ion: 77 Resp: 59898

Ion	Ratio	Lower	Upper
77	100		
97	22.3	12.4	37.0



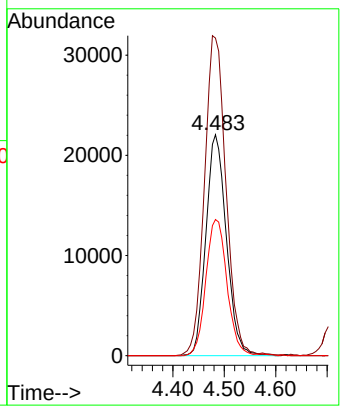


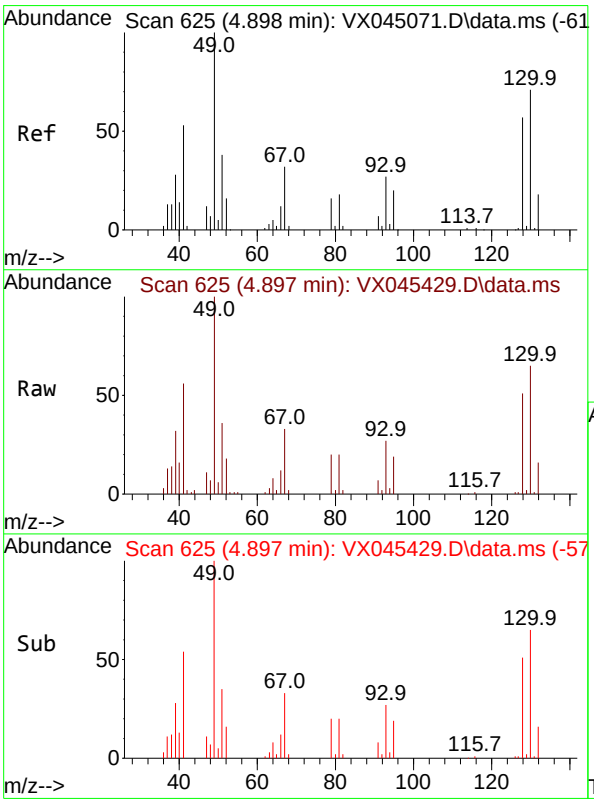
#27
cis-1,2-Dichloroethene
Concen: 51.328 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045429.D
Acq: 24 Mar 2025 20:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 96 Resp: 61058

Ion	Ratio	Lower	Upper
96	100		
61	151.6	0.0	283.2
98	63.7	0.0	128.0

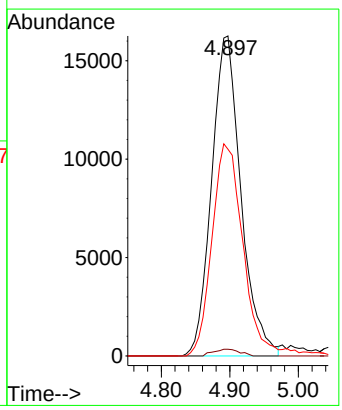


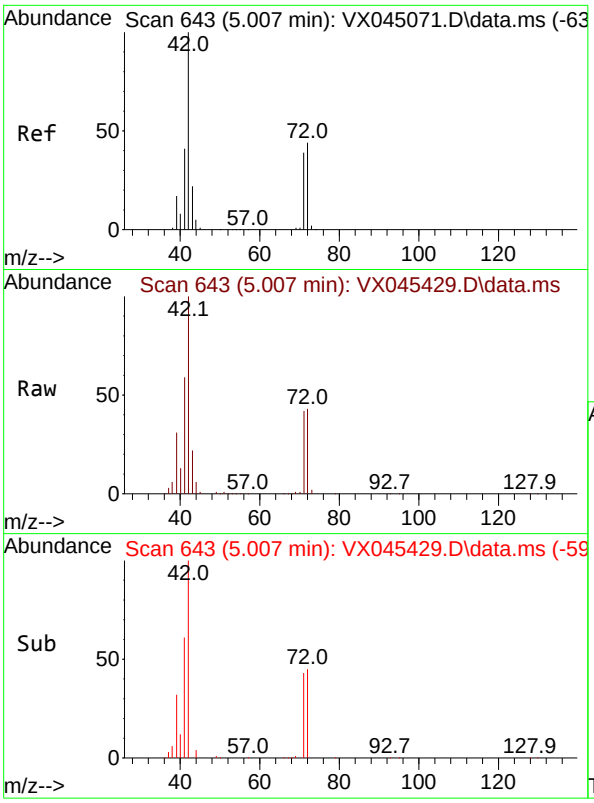


#28
Bromochloromethane
Concen: 51.274 ug/l
RT: 4.897 min Scan# 625
Delta R.T. -0.000 min
Lab File: VX045429.D
Acq: 24 Mar 2025 20:42

Tgt Ion: 49 Resp: 48365

Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.4
130	71.0	56.1	84.1



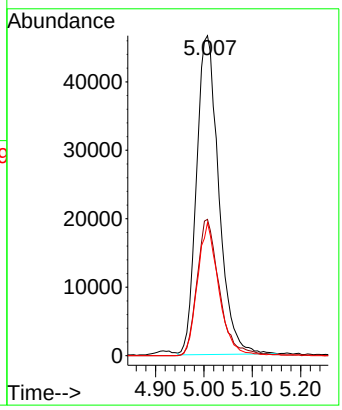


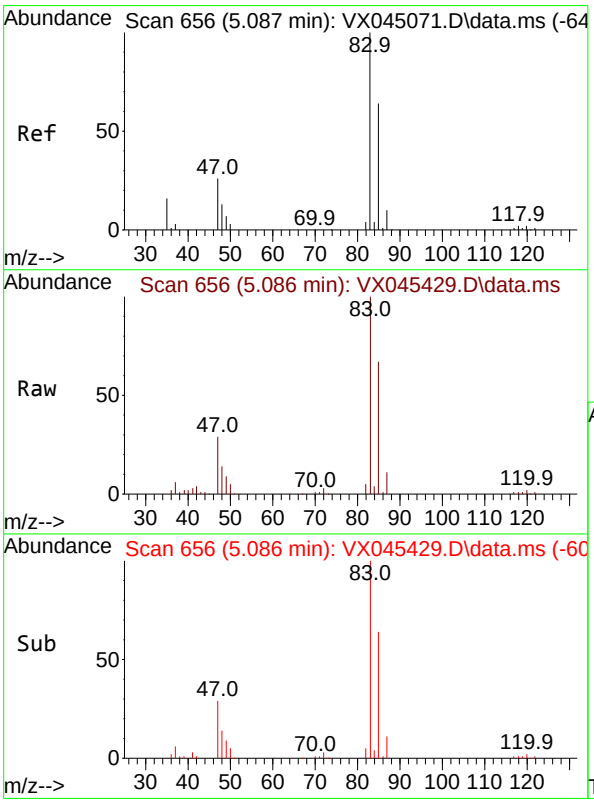
#29
Tetrahydrofuran
Concen: 251.430 ug/l
RT: 5.007 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX045429.D
Acq: 24 Mar 2025 20:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 42 Resp: 148894

Ion	Ratio	Lower	Upper
42	100		
72	42.9	34.1	51.1
71	39.8	31.4	47.0

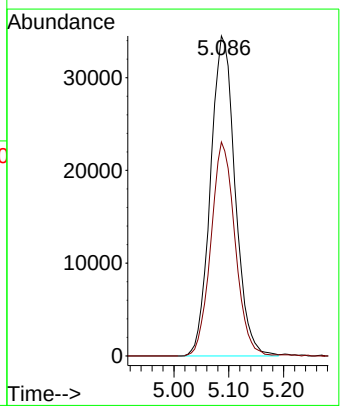


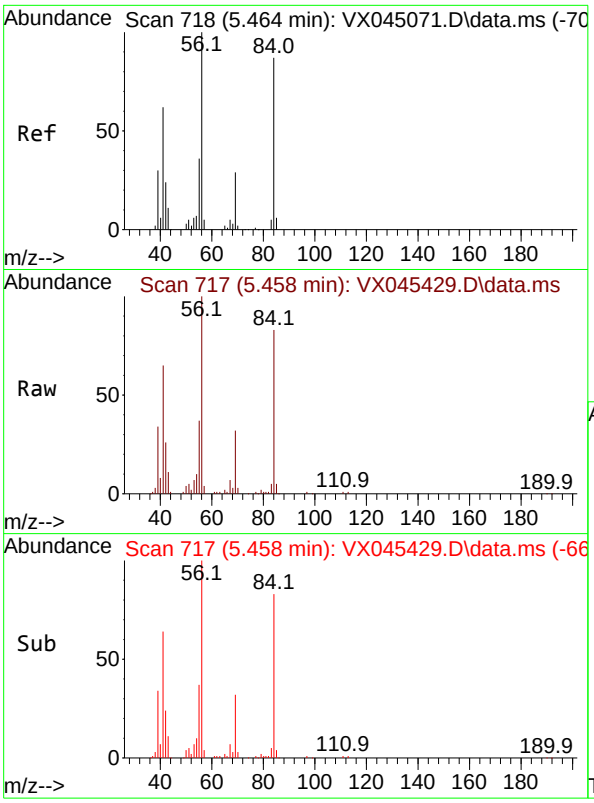


#30
Chloroform
Concen: 54.666 ug/l
RT: 5.086 min Scan# 656
Delta R.T. -0.000 min
Lab File: VX045429.D
Acq: 24 Mar 2025 20:42

Tgt Ion: 83 Resp: 107493

Ion	Ratio	Lower	Upper
83	100		
85	66.9	51.4	77.2



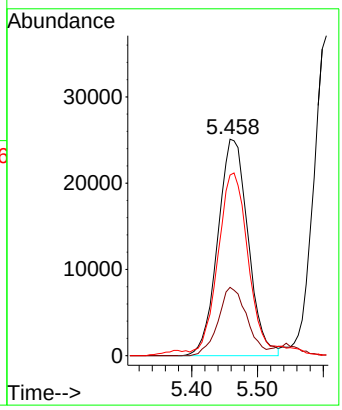


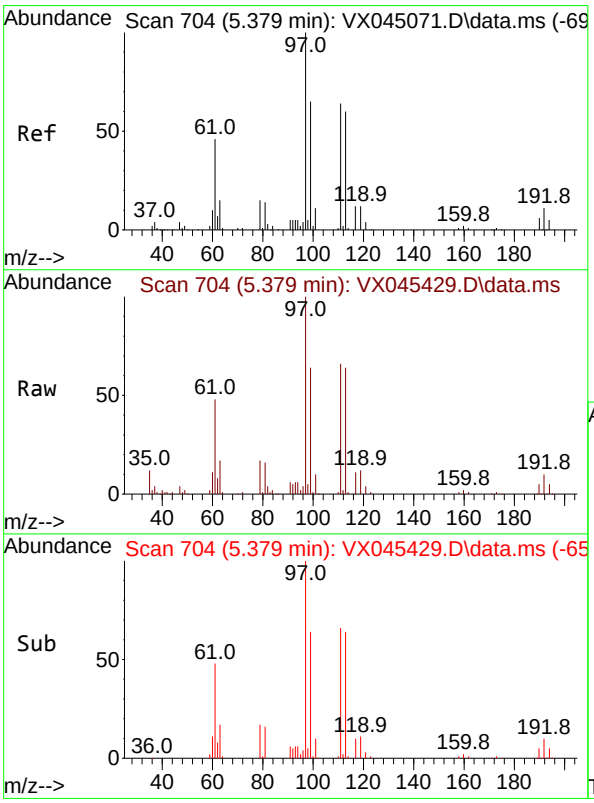
#31
Cyclohexane
Concen: 46.799 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045429.D
Acq: 24 Mar 2025 20:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 56 Resp: 80394

Ion	Ratio	Lower	Upper
56	100		
69	31.5	23.4	35.2
84	81.0	69.4	104.2

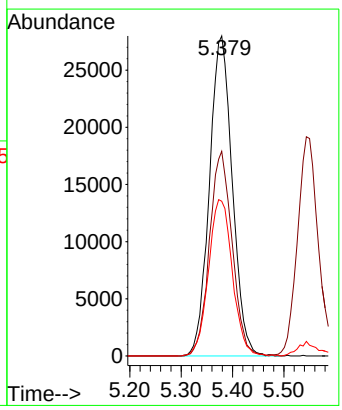


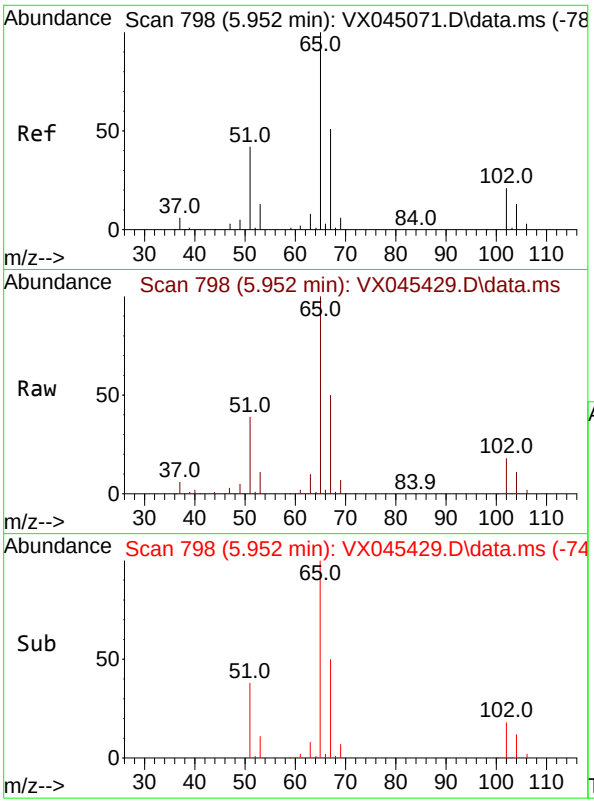


#32
1,1,1-Trichloroethane
Concen: 54.542 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX045429.D
Acq: 24 Mar 2025 20:42

Tgt Ion: 97 Resp: 86620

Ion	Ratio	Lower	Upper
97	100		
99	63.3	51.6	77.4
61	51.0	38.4	57.6



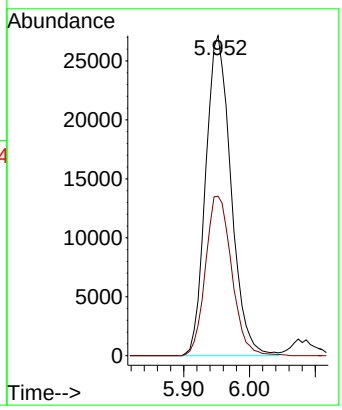


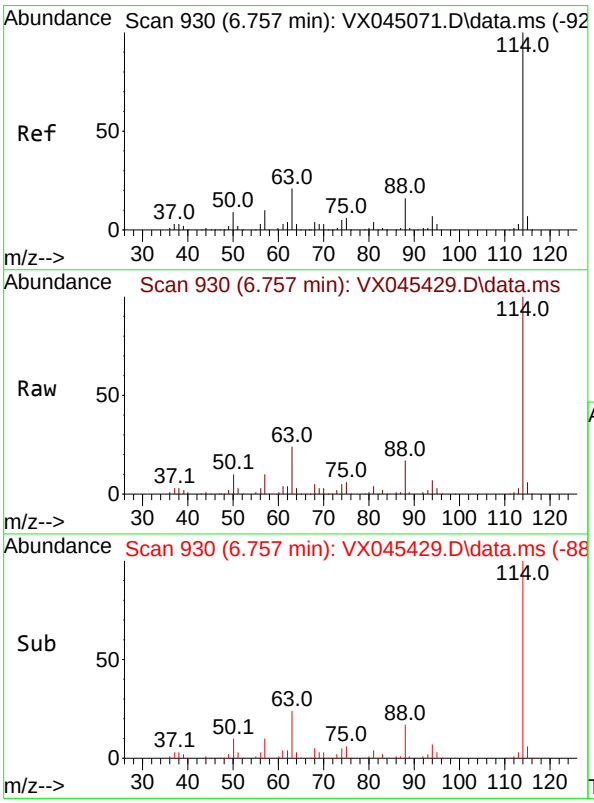
#33
1,2-Dichloroethane-d4
Concen: 57.633 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045429.D
Acq: 24 Mar 2025 20:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 65 Resp: 72771

Ion	Ratio	Lower	Upper
65	100		
67	51.6	0.0	106.2

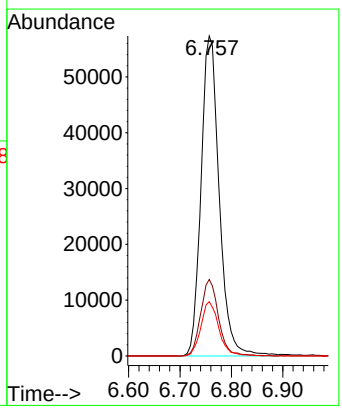


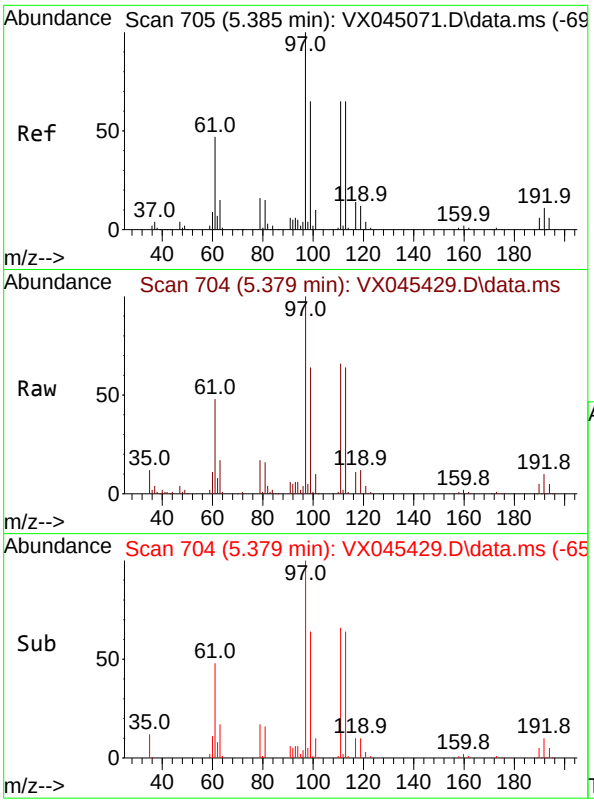


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX045429.D
Acq: 24 Mar 2025 20:42

Tgt Ion:114 Resp: 140920

Ion	Ratio	Lower	Upper
114	100		
63	23.9	0.0	41.8
88	17.0	0.0	32.8



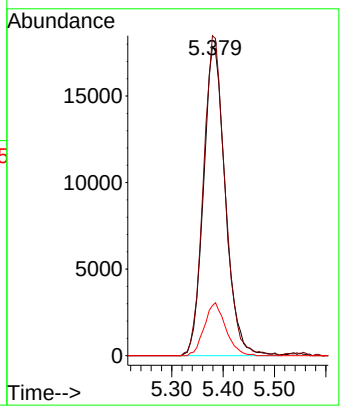


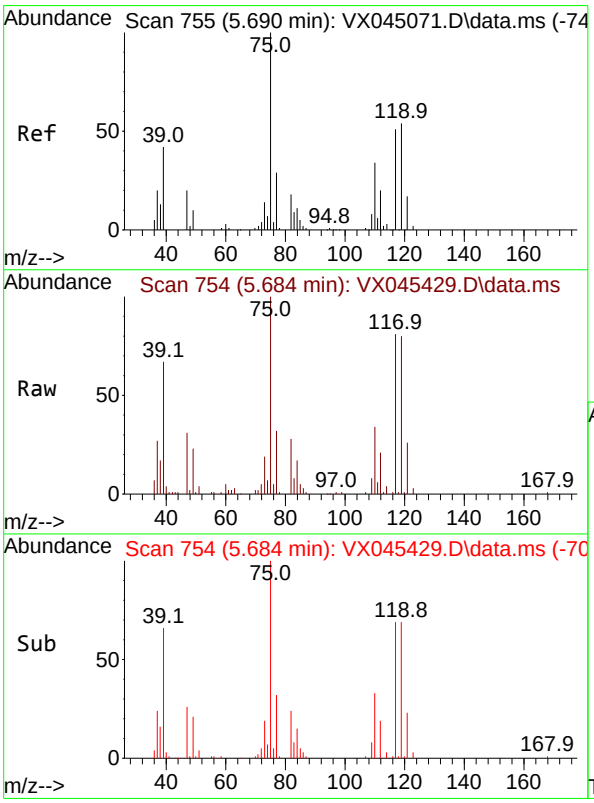
#35
Dibromofluoromethane
Concen: 56.036 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045429.D
Acq: 24 Mar 2025 20:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:113 Resp: 52802

Ion	Ratio	Lower	Upper
113	100		
111	102.4	81.8	122.6
192	16.7	14.3	21.5

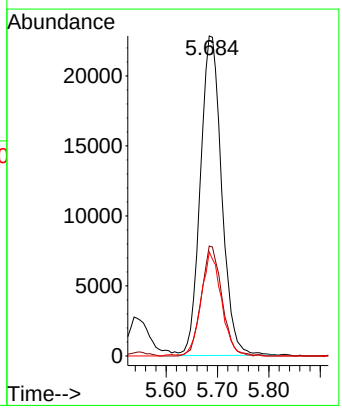


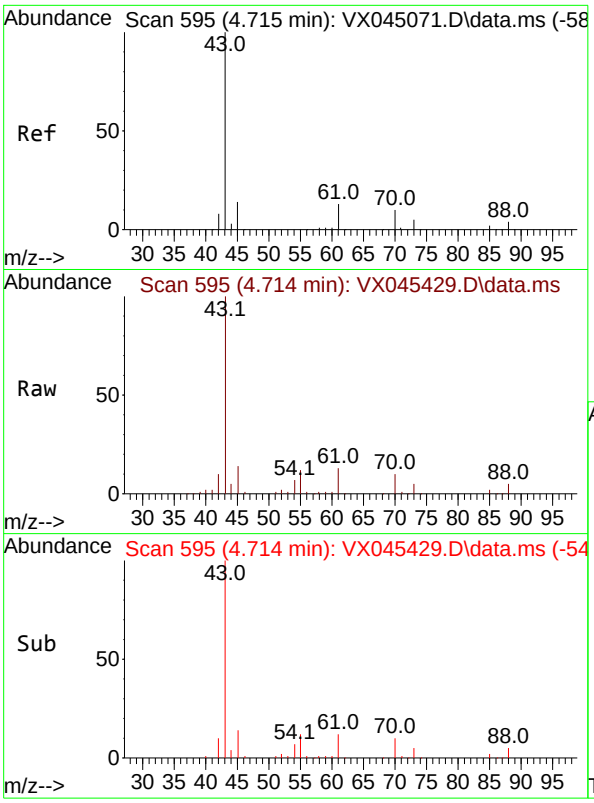


#36
1,1-Dichloropropene
Concen: 50.739 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX045429.D
Acq: 24 Mar 2025 20:42

Tgt Ion: 75 Resp: 65568

Ion	Ratio	Lower	Upper
75	100		
110	33.2	16.9	50.6
77	30.3	24.5	36.7



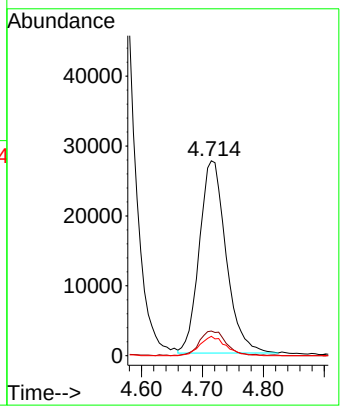


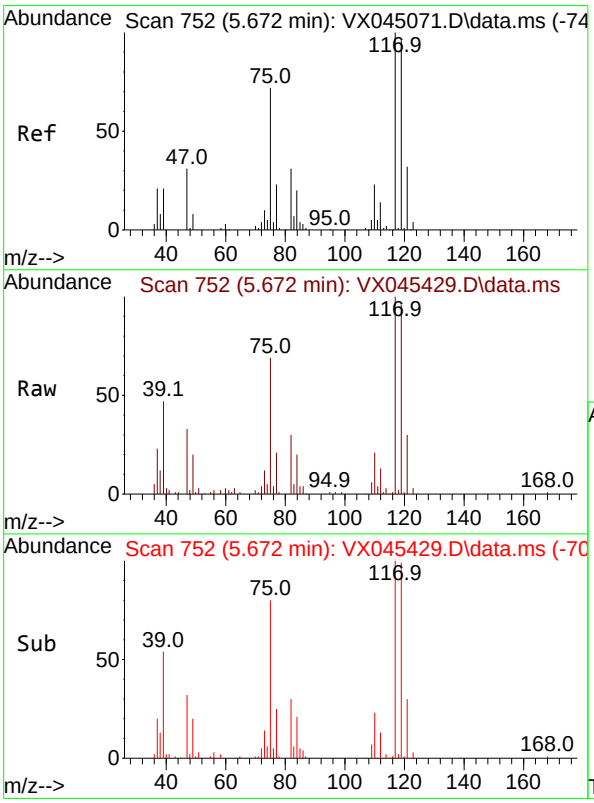
#37
Ethyl Acetate
Concen: 50.417 ug/l
RT: 4.714 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045429.D
Acq: 24 Mar 2025 20:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 83953

Ion	Ratio	Lower	Upper
43	100		
61	13.0	10.8	16.2
70	9.7	7.7	11.5

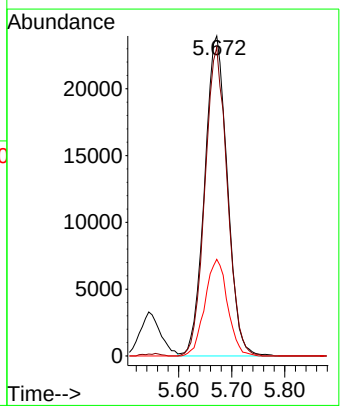


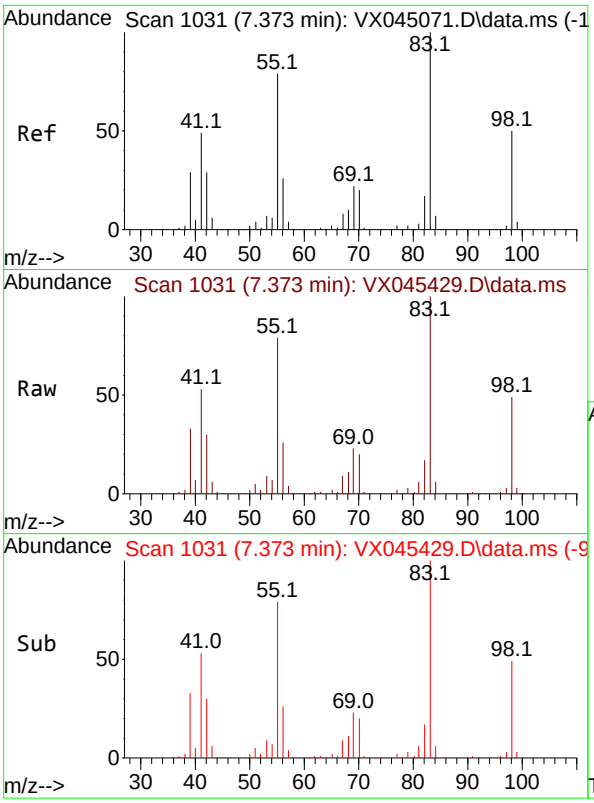


#38
Carbon Tetrachloride
Concen: 54.307 ug/l
RT: 5.672 min Scan# 752
Delta R.T. -0.000 min
Lab File: VX045429.D
Acq: 24 Mar 2025 20:42

Tgt Ion:117 Resp: 71248

Ion	Ratio	Lower	Upper
117	100		
119	96.4	76.7	115.1
121	30.2	25.5	38.3



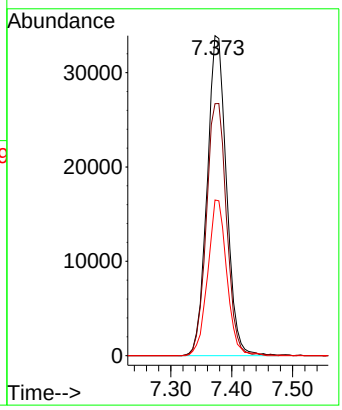


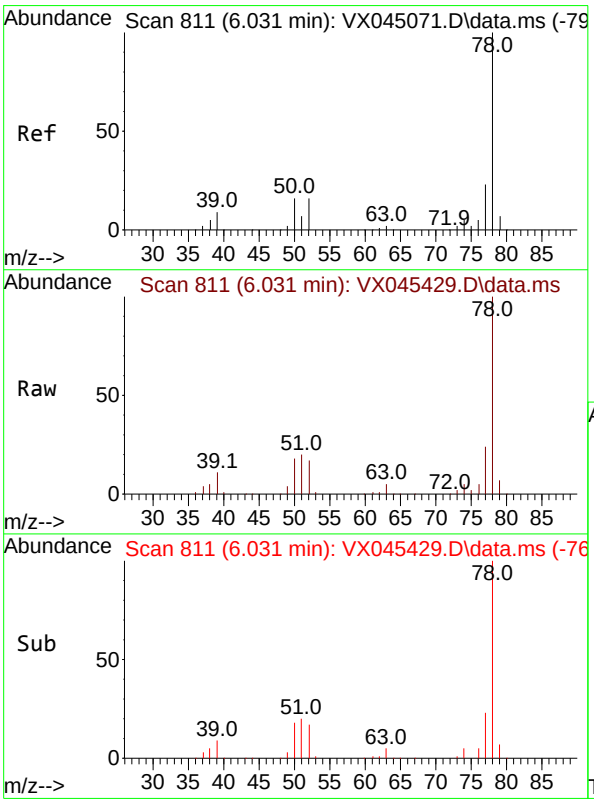
#39
Methylcyclohexane
Concen: 48.408 ug/l
RT: 7.373 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045429.D
Acq: 24 Mar 2025 20:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 74956

Ion	Ratio	Lower	Upper
83	100		
55	78.7	63.0	94.4
98	48.6	39.7	59.5

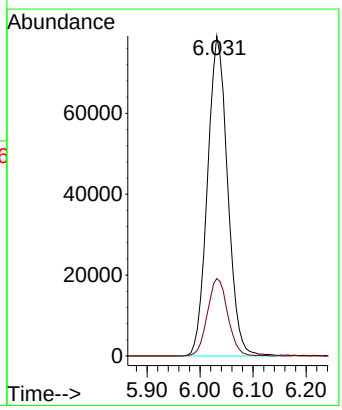


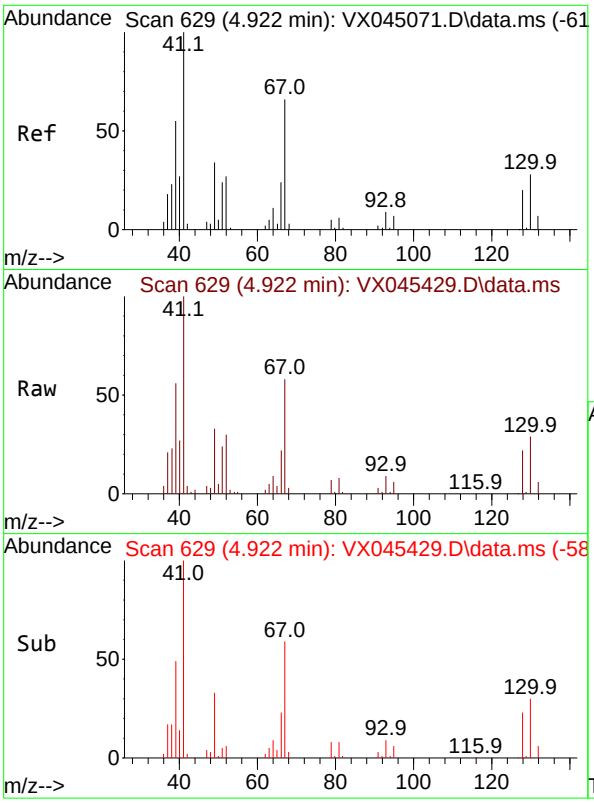


#40
Benzene
Concen: 51.175 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX045429.D
Acq: 24 Mar 2025 20:42

Tgt Ion: 78 Resp: 208827

Ion	Ratio	Lower	Upper
78	100		
77	24.2	18.8	28.2



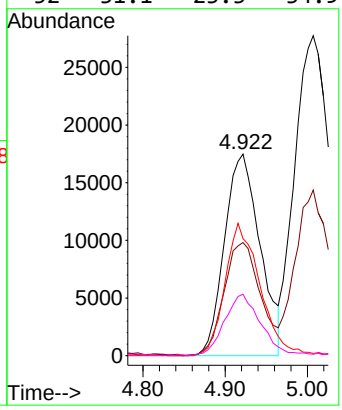


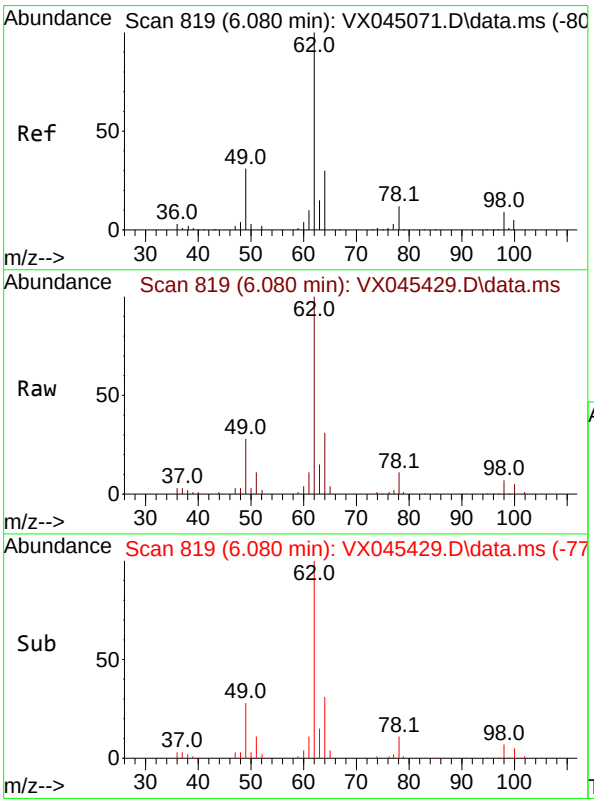
#41
Methacrylonitrile
Concen: 58.623 ug/l
RT: 4.922 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX045429.D
Acq: 24 Mar 2025 20:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 41 Resp: 52783

Ion	Ratio	Lower	Upper
41	100		
39	57.5	44.6	67.0
67	65.0	53.9	80.9
52	31.1	23.3	34.9

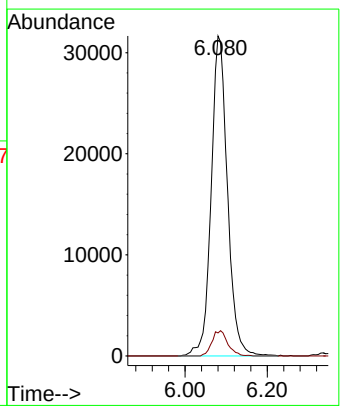


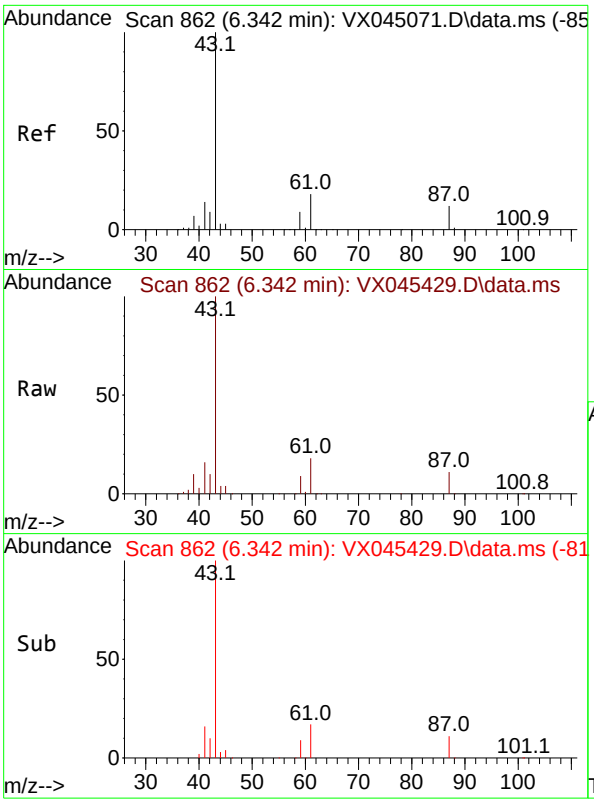


#42
1,2-Dichloroethane
Concen: 59.283 ug/l
RT: 6.080 min Scan# 819
Delta R.T. -0.000 min
Lab File: VX045429.D
Acq: 24 Mar 2025 20:42

Tgt Ion: 62 Resp: 87114

Ion	Ratio	Lower	Upper
62	100		
98	7.7	0.0	18.2



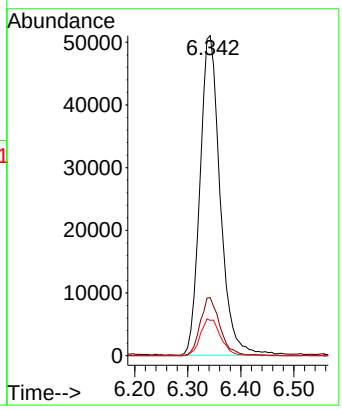


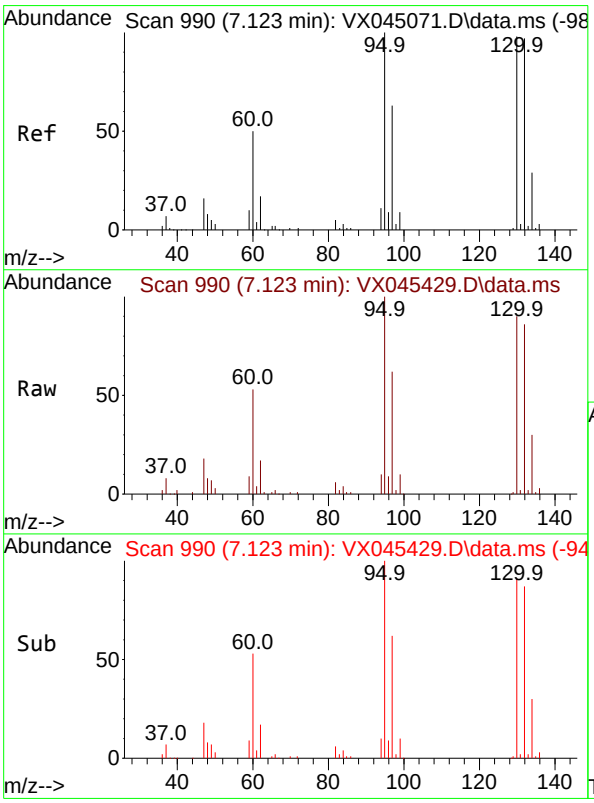
#43
Isopropyl Acetate
Concen: 54.724 ug/l
RT: 6.342 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045429.D
Acq: 24 Mar 2025 20:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 134746

Ion	Ratio	Lower	Upper
43	100		
61	17.7	14.9	22.3
87	11.6	9.4	14.2

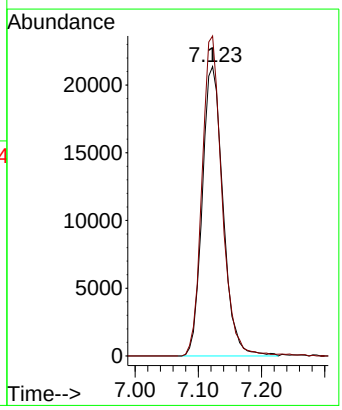


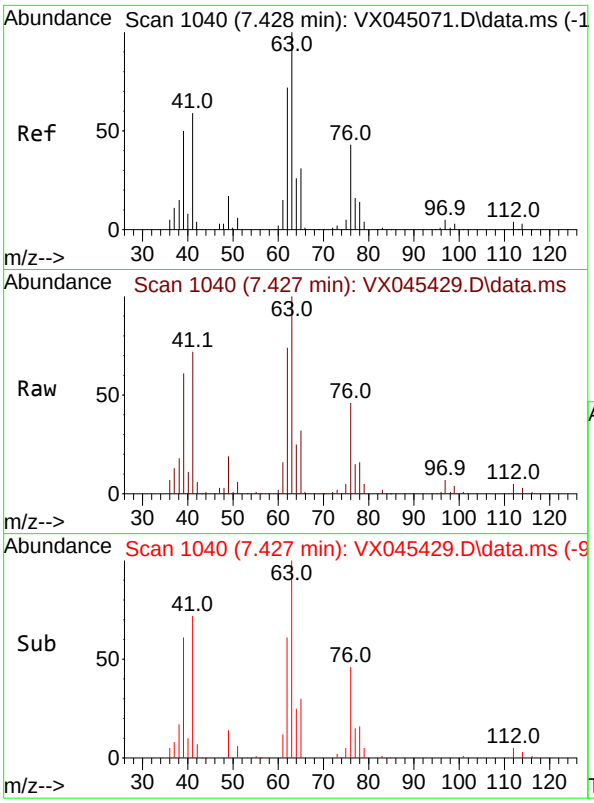


#44
Trichloroethene
Concen: 50.948 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX045429.D
Acq: 24 Mar 2025 20:42

Tgt Ion:130 Resp: 48817

Ion	Ratio	Lower	Upper
130	100		
95	110.6	0.0	205.0



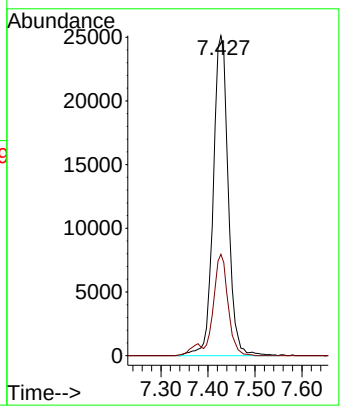


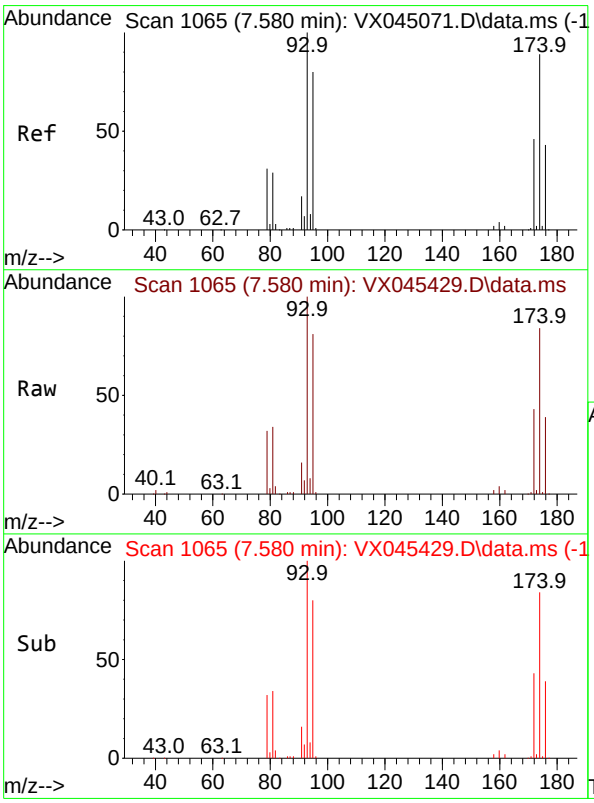
#45
1,2-Dichloropropane
Concen: 52.926 ug/l
RT: 7.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045429.D
Acq: 24 Mar 2025 20:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 63 Resp: 55529

Ion	Ratio	Lower	Upper
63	100		
65	31.7	24.7	37.1

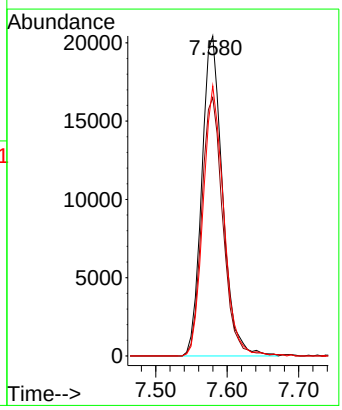


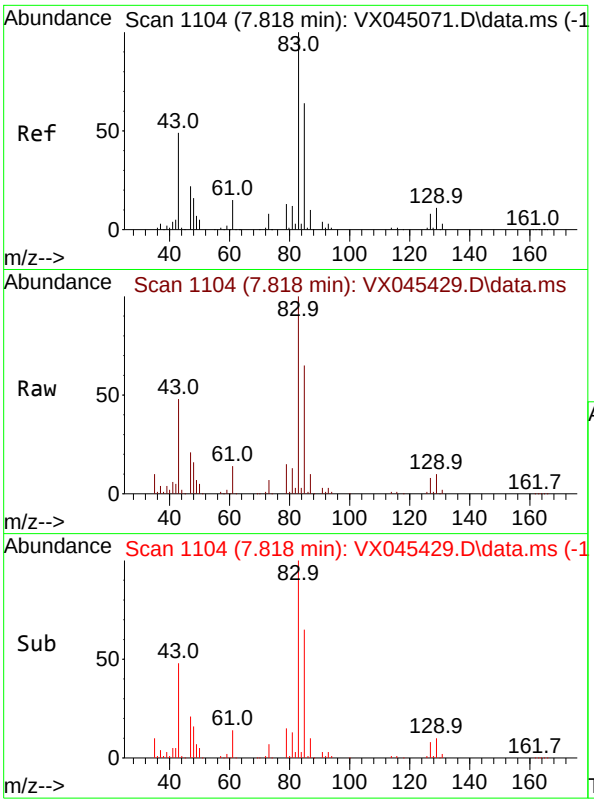


#46
Dibromomethane
Concen: 55.622 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VX045429.D
Acq: 24 Mar 2025 20:42

Tgt Ion: 93 Resp: 41248

Ion	Ratio	Lower	Upper
93	100		
95	82.4	65.8	98.8
174	83.8	72.2	108.2



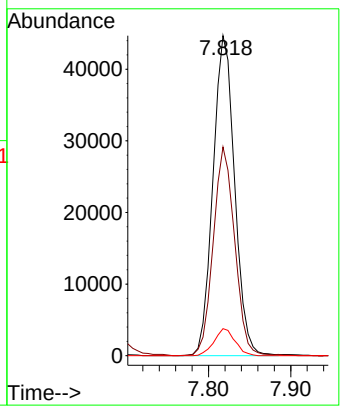


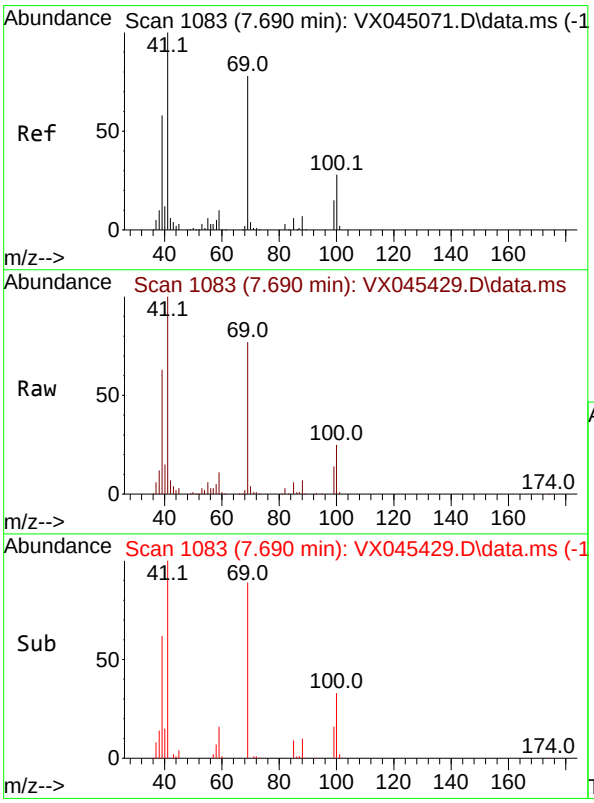
#47
Bromodichloromethane
Concen: 56.211 ug/l
RT: 7.818 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045429.D
Acq: 24 Mar 2025 20:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 81764

Ion	Ratio	Lower	Upper
83	100		
85	65.2	51.1	76.7
127	8.4	6.4	9.6

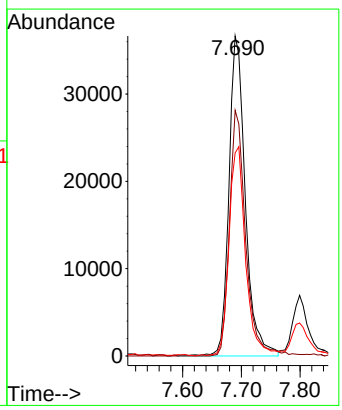


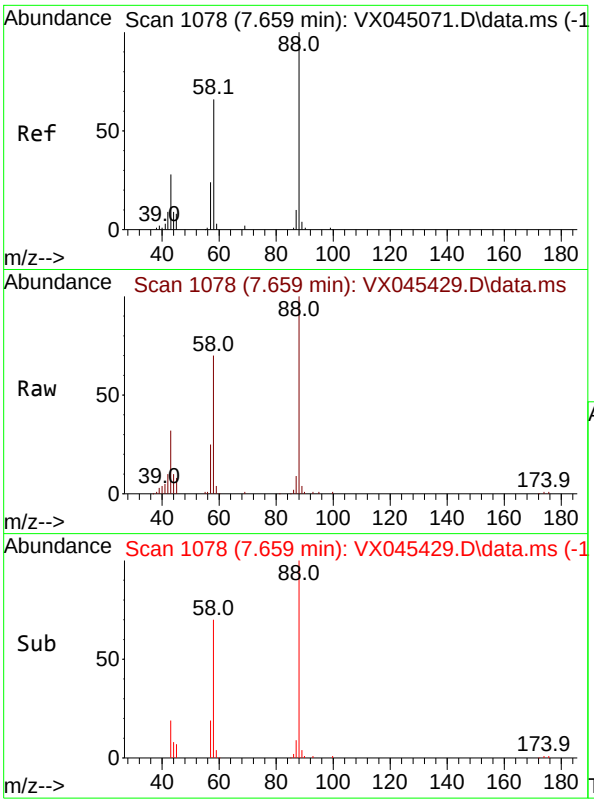


#48
Methyl methacrylate
Concen: 57.551 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. -0.000 min
Lab File: VX045429.D
Acq: 24 Mar 2025 20:42

Tgt Ion: 41 Resp: 71093

Ion	Ratio	Lower	Upper
41	100		
69	75.8	63.0	94.6
39	66.6	47.5	71.3



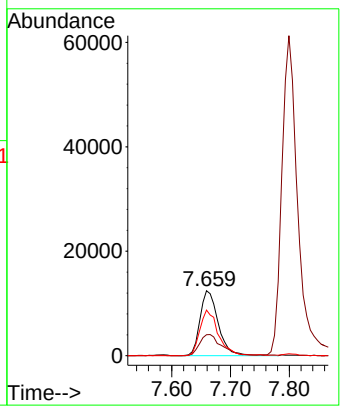


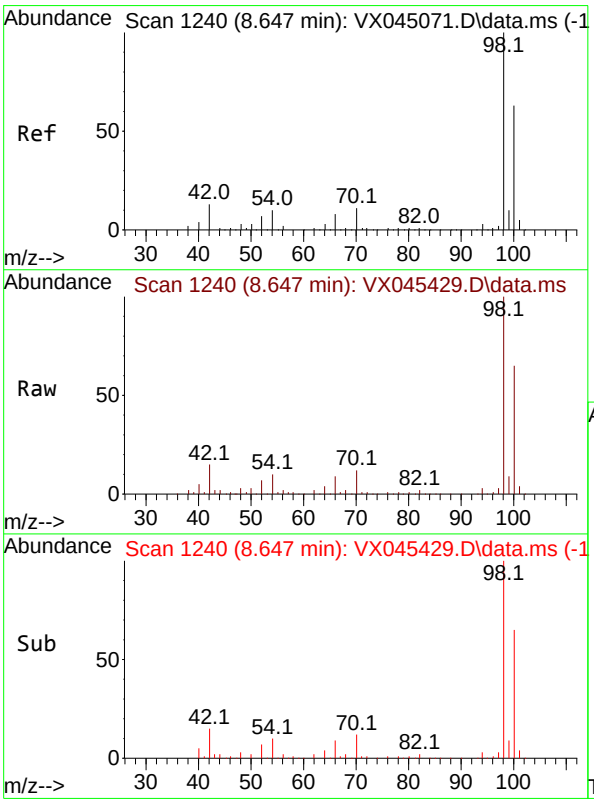
#49
1,4-Dioxane
Concen: 1025.803 ug/l
RT: 7.659 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045429.D
Acq: 24 Mar 2025 20:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 88 Resp: 26730

Ion	Ratio	Lower	Upper
88	100		
43	39.4	28.7	43.1
58	71.0	55.8	83.8

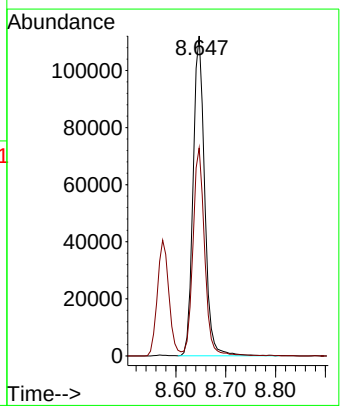


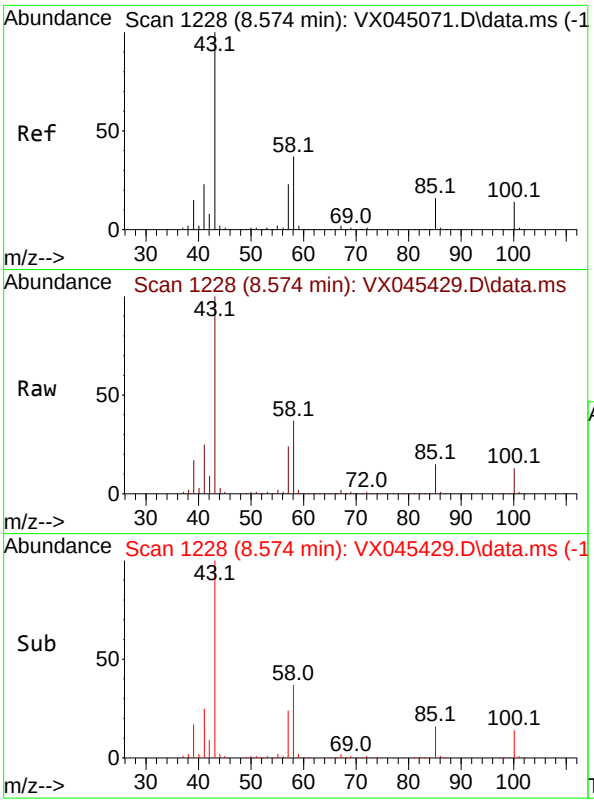


#50
Toluene-d8
Concen: 52.665 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045429.D
Acq: 24 Mar 2025 20:42

Tgt Ion: 98 Resp: 179910

Ion	Ratio	Lower	Upper
98	100		
100	65.3	52.0	78.0



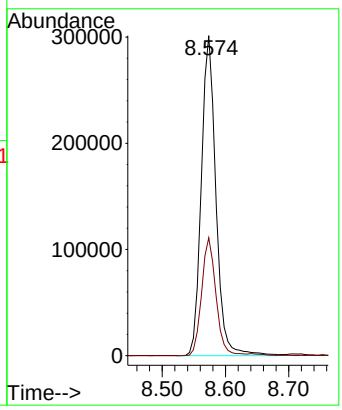


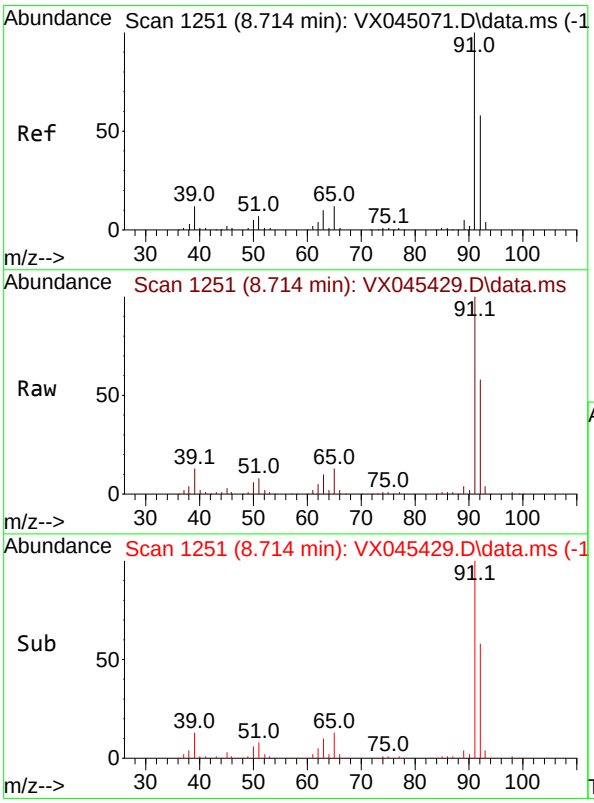
#51
4-Methyl-2-Pentanone
Concen: 293.128 ug/l
RT: 8.574 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045429.D
Acq: 24 Mar 2025 20:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 484628

Ion	Ratio	Lower	Upper
43	100		
58	36.2	29.2	43.8

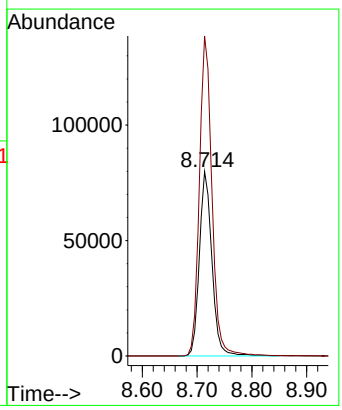


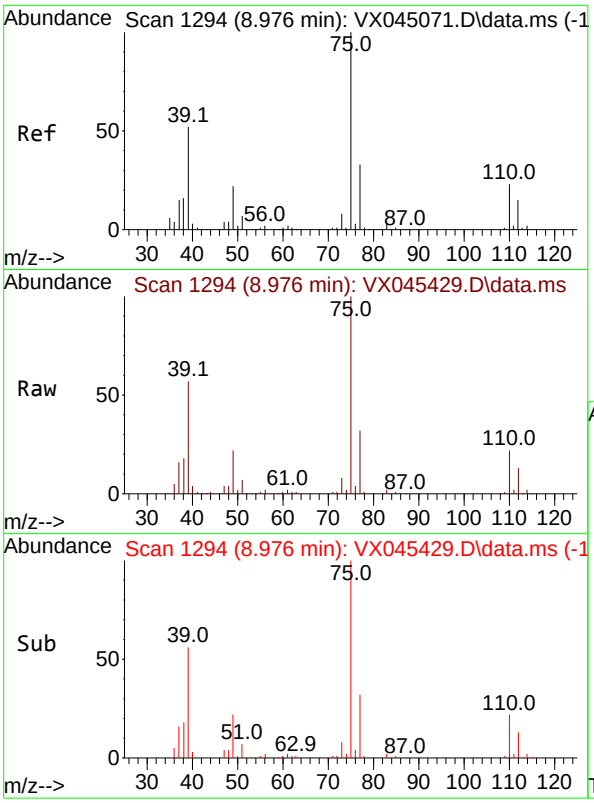


#52
Toluene
Concen: 53.247 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX045429.D
Acq: 24 Mar 2025 20:42

Tgt Ion: 92 Resp: 127484

Ion	Ratio	Lower	Upper
92	100		
91	173.3	138.9	208.3



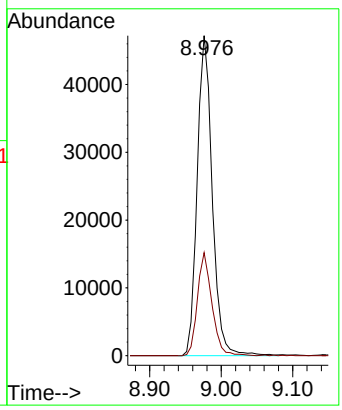


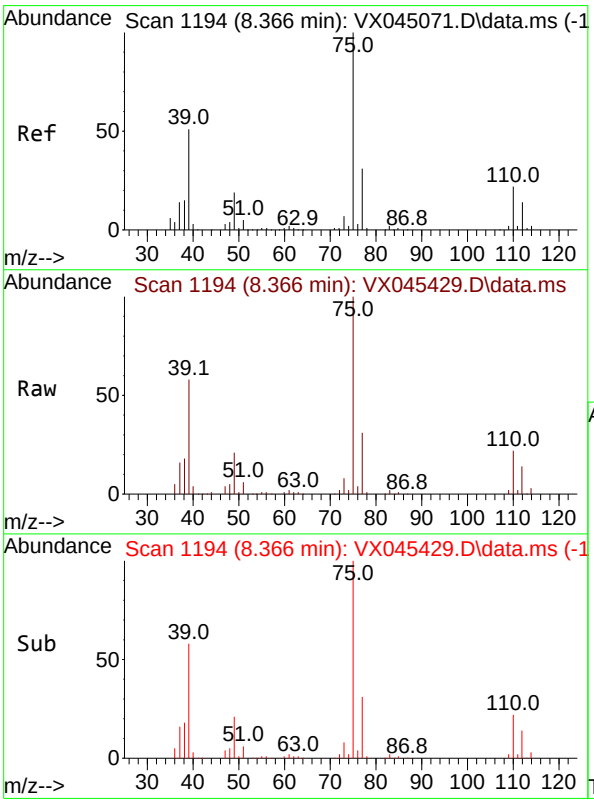
#53
t-1,3-Dichloropropene
Concen: 56.767 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045429.D
Acq: 24 Mar 2025 20:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 69031

Ion	Ratio	Lower	Upper
75	100		
77	32.2	26.5	39.7

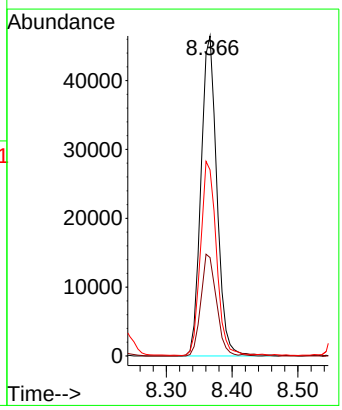


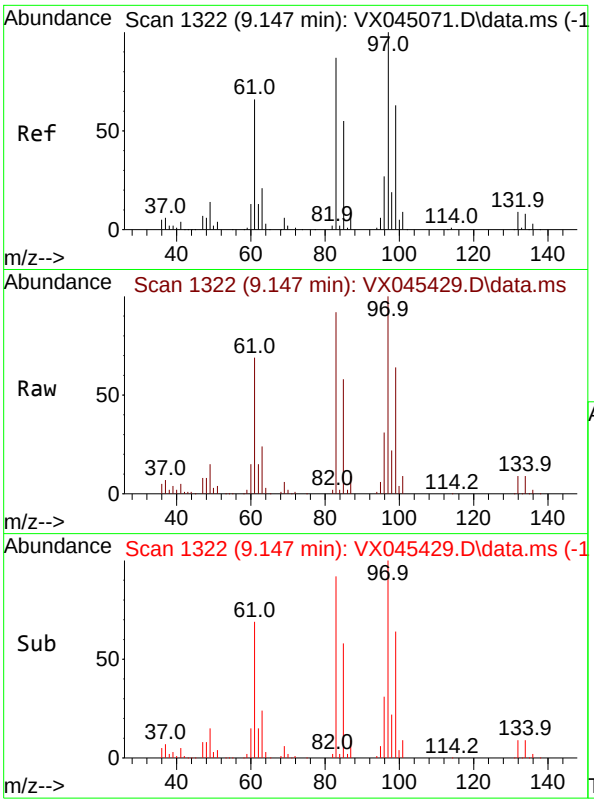


#54
cis-1,3-Dichloropropene
Concen: 55.193 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. -0.000 min
Lab File: VX045429.D
Acq: 24 Mar 2025 20:42

Tgt Ion: 75 Resp: 78264

Ion	Ratio	Lower	Upper
75	100		
77	30.7	24.7	37.1
39	58.0	40.7	61.1



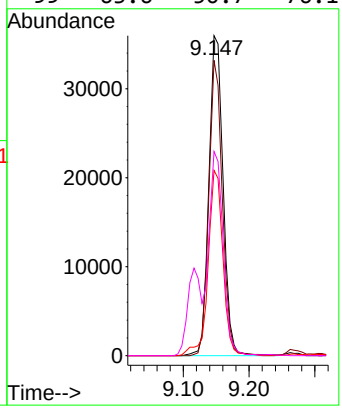


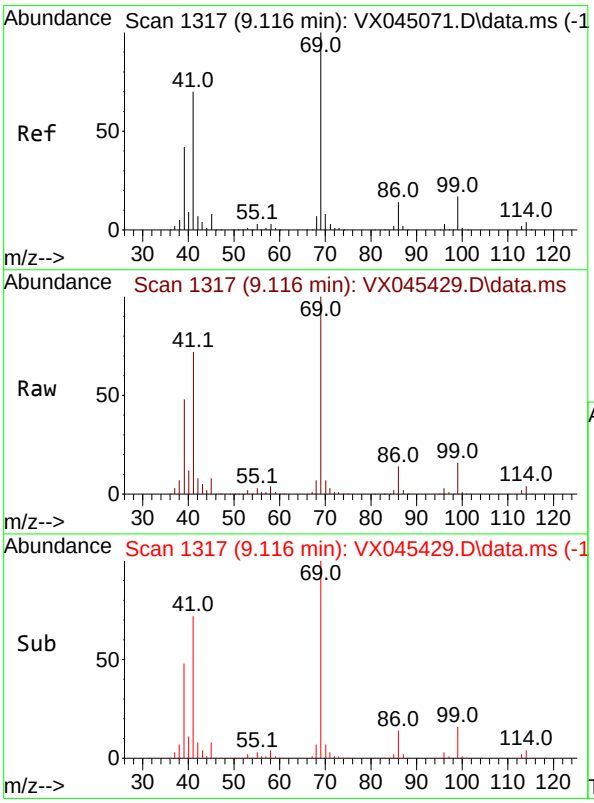
#55
1,1,2-Trichloroethane
Concen: 55.047 ug/l
RT: 9.147 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045429.D
Acq: 24 Mar 2025 20:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 97 Resp: 54257

Ion	Ratio	Lower	Upper
97	100		
83	92.3	69.4	104.2
85	57.9	44.1	66.1
99	63.6	50.7	76.1

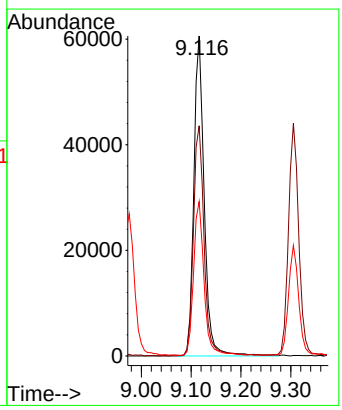


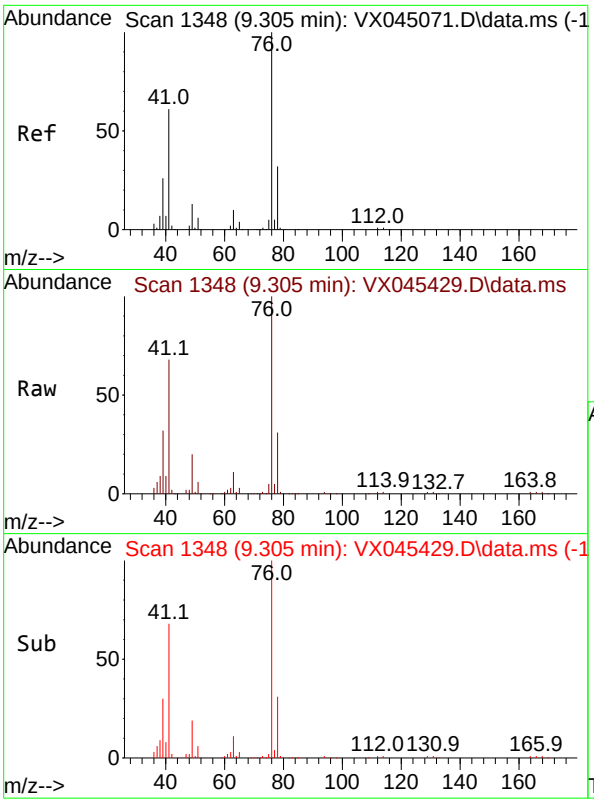


#56
Ethyl methacrylate
Concen: 58.353 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX045429.D
Acq: 24 Mar 2025 20:42

Tgt Ion: 69 Resp: 87426

Ion	Ratio	Lower	Upper
69	100		
41	75.0	57.0	85.4
39	48.3	34.2	51.4



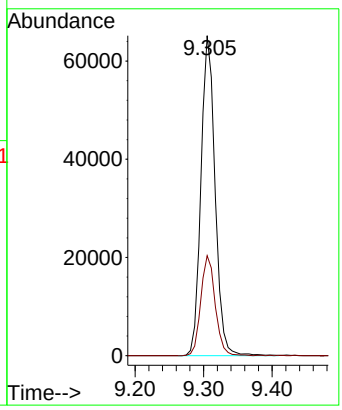


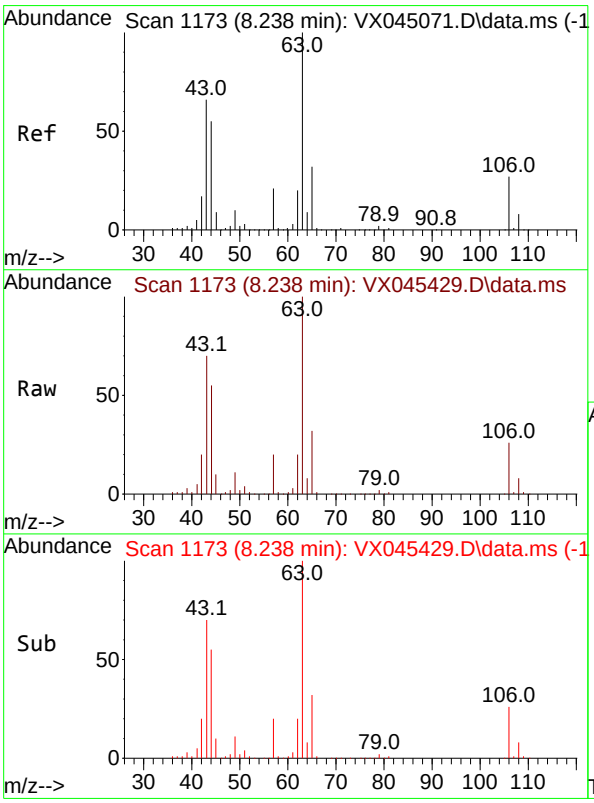
#57
1,3-Dichloropropane
Concen: 54.877 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045429.D
Acq: 24 Mar 2025 20:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 76 Resp: 93605

Ion	Ratio	Lower	Upper
76	100		
78	31.8	25.5	38.3

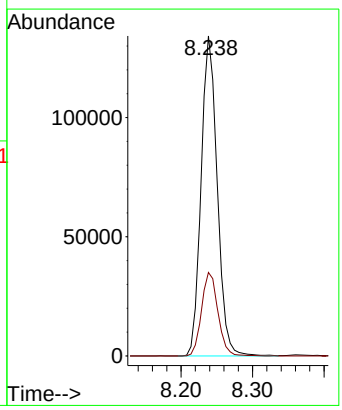


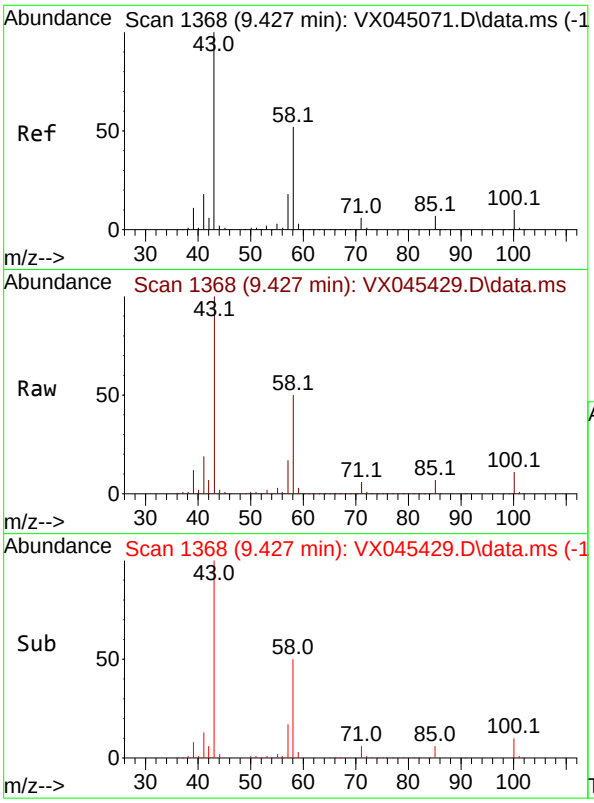


#58
2-Chloroethyl Vinyl ether
Concen: 287.528 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX045429.D
Acq: 24 Mar 2025 20:42

Tgt Ion: 63 Resp: 210140

Ion	Ratio	Lower	Upper
63	100		
106	26.5	21.5	32.3



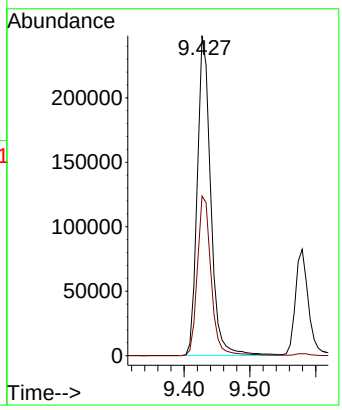


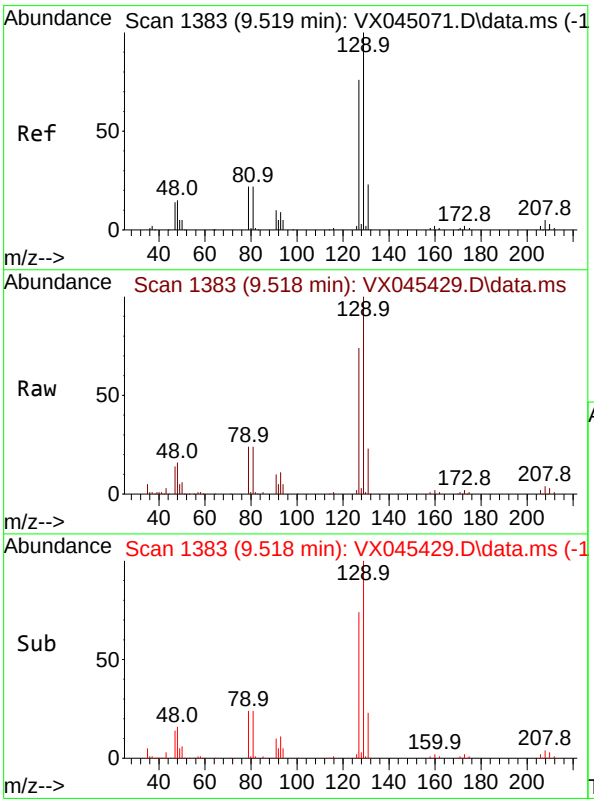
#59
2-Hexanone
Concen: 294.391 ug/l
RT: 9.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045429.D
Acq: 24 Mar 2025 20:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 352647

Ion	Ratio	Lower	Upper
43	100		
58	51.0	25.9	77.6

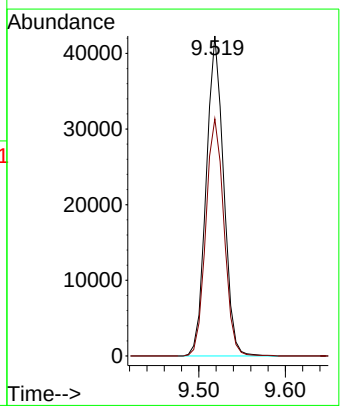


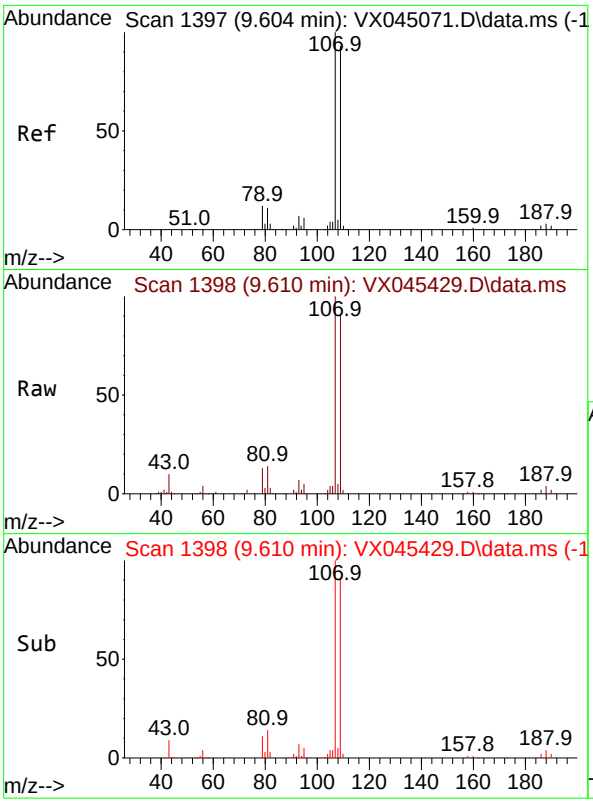


#60
Dibromochloromethane
Concen: 57.318 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX045429.D
Acq: 24 Mar 2025 20:42

Tgt Ion:129 Resp: 59070

Ion	Ratio	Lower	Upper
129	100		
127	77.1	38.5	115.5



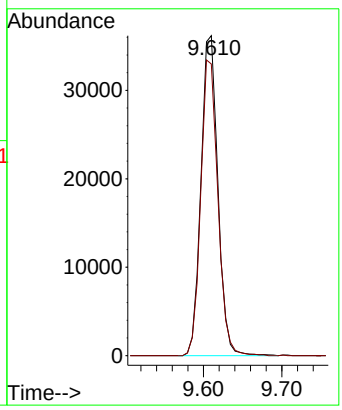


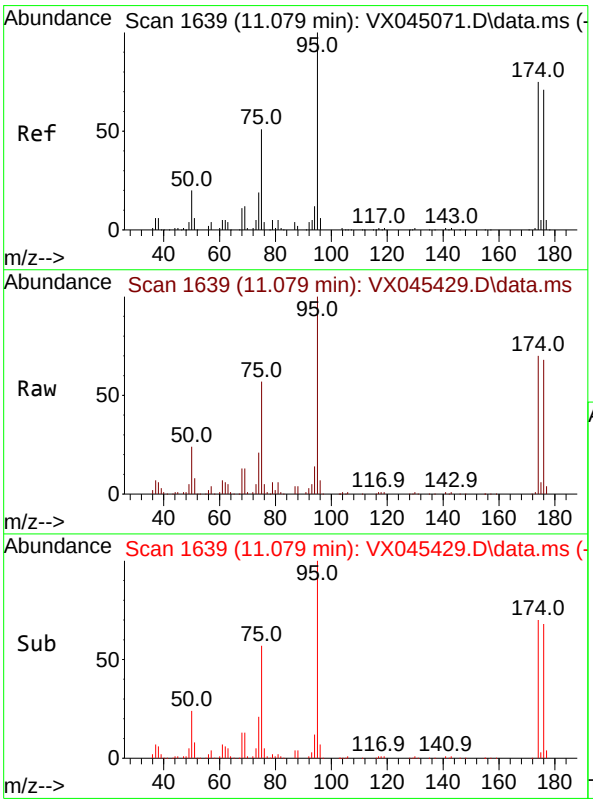
#61
1,2-Dibromoethane
Concen: 55.105 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045429.D
Acq: 24 Mar 2025 20:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:107 Resp: 54221

Ion	Ratio	Lower	Upper
107	100		
109	93.6	76.1	114.1

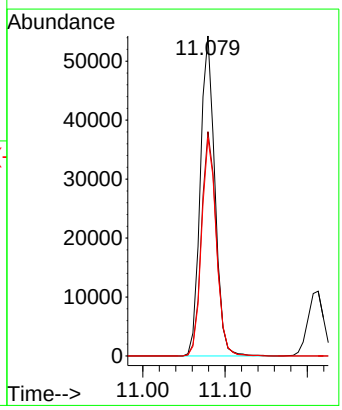


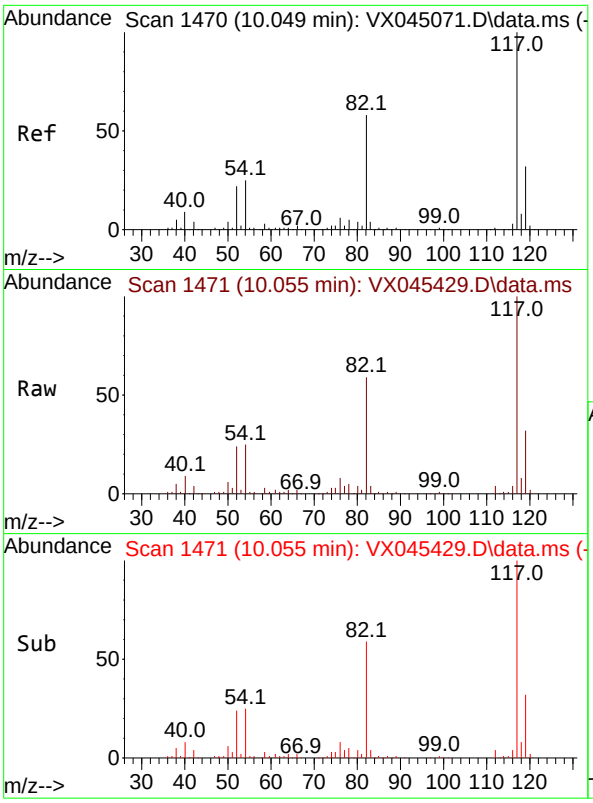


#62
4-Bromofluorobenzene
Concen: 59.145 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045429.D
Acq: 24 Mar 2025 20:42

Tgt Ion: 95 Resp: 66953

Ion	Ratio	Lower	Upper
95	100		
174	71.4	0.0	148.2
176	68.8	0.0	141.4



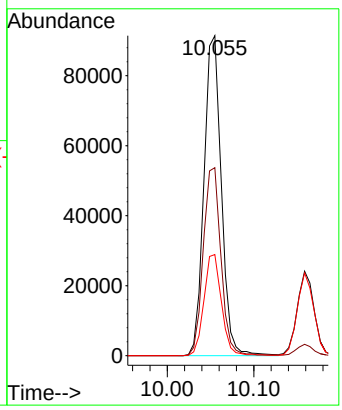


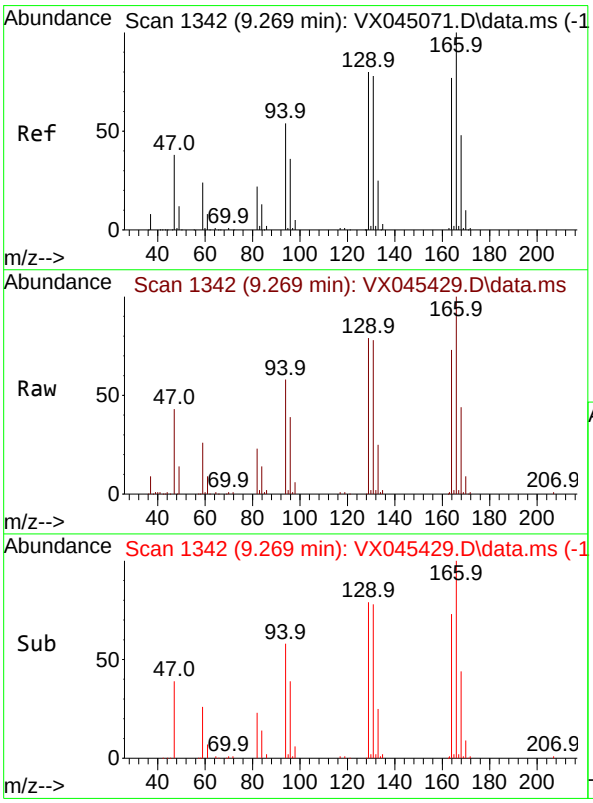
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX045429.D
Acq: 24 Mar 2025 20:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:117 Resp: 127528

Ion	Ratio	Lower	Upper
117	100		
82	58.7	46.3	69.5
119	31.6	25.7	38.5

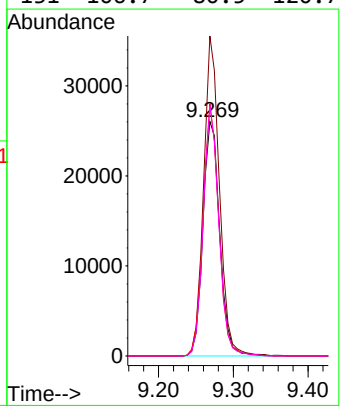


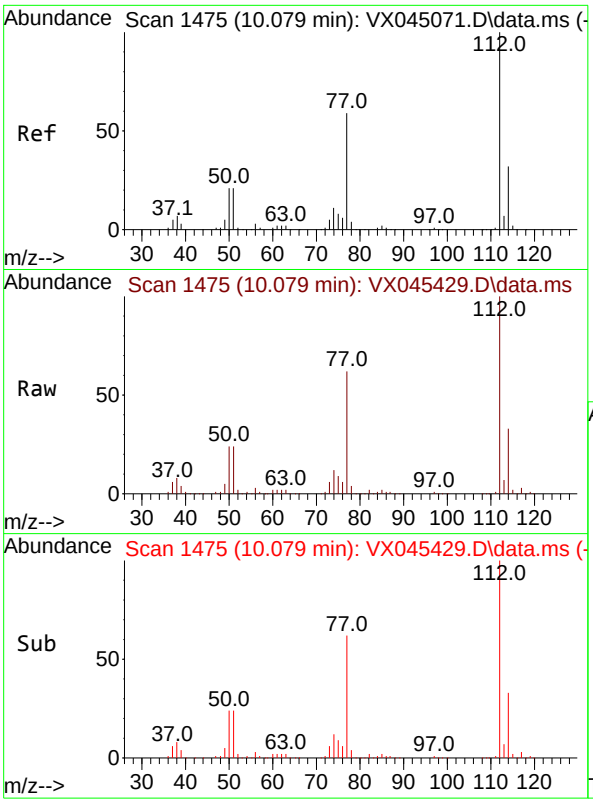


#64
Tetrachloroethene
Concen: 49.746 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX045429.D
Acq: 24 Mar 2025 20:42

Tgt Ion:164 Resp: 40631

Ion	Ratio	Lower	Upper
164	100		
166	136.5	103.6	155.4
129	107.5	82.7	124.1
131	106.7	80.5	120.7



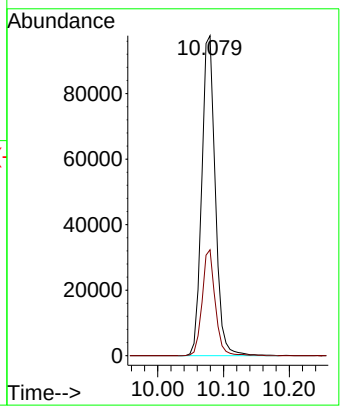


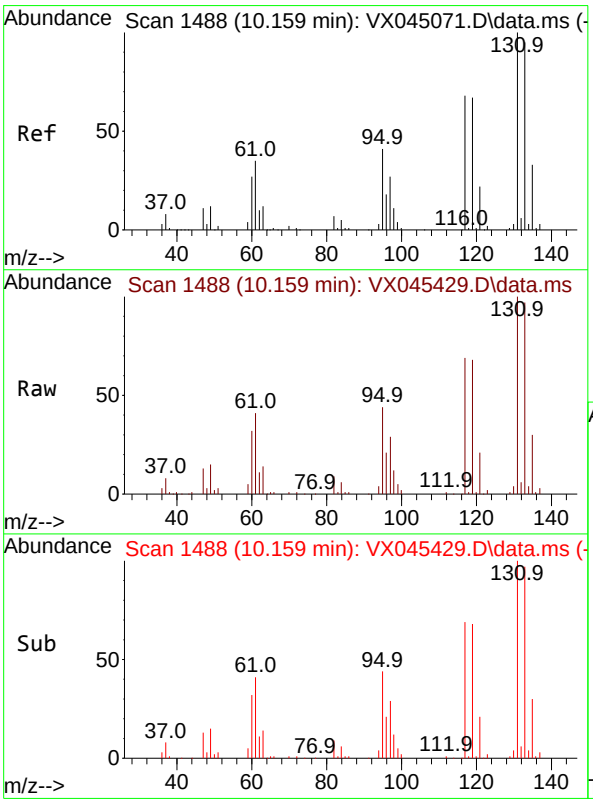
#65
Chlorobenzene
Concen: 51.873 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045429.D
Acq: 24 Mar 2025 20:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:112 Resp: 139977

Ion	Ratio	Lower	Upper
112	100		
114	33.1	26.0	39.0

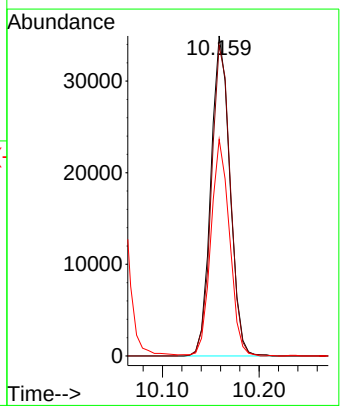


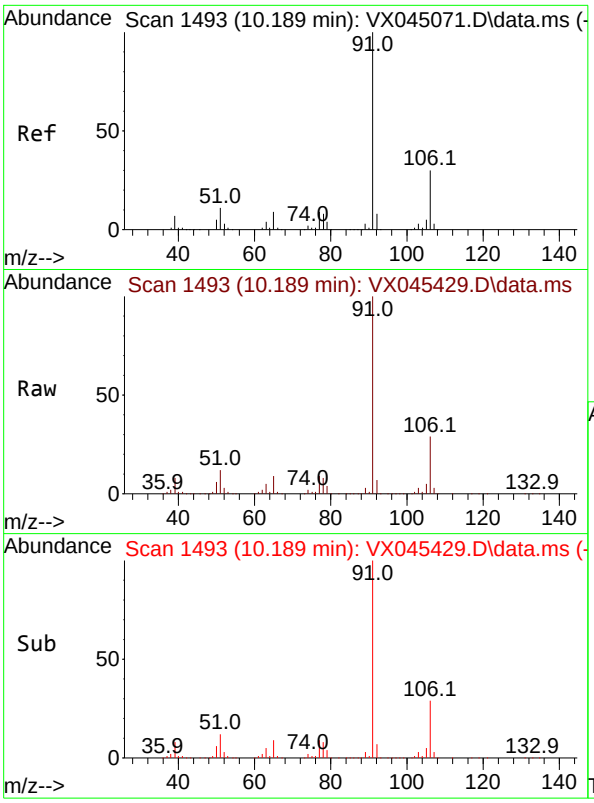


#66
1,1,1,2-Tetrachloroethane
Concen: 53.151 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX045429.D
Acq: 24 Mar 2025 20:42

Tgt Ion:131 Resp: 47764

Ion	Ratio	Lower	Upper
131	100		
133	96.5	48.6	145.9
119	66.3	33.9	101.7



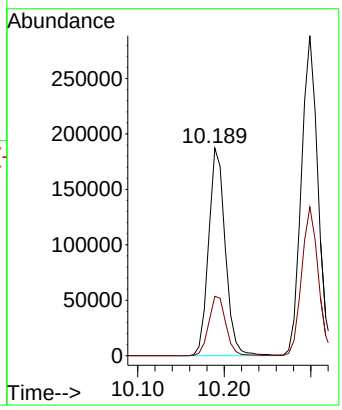


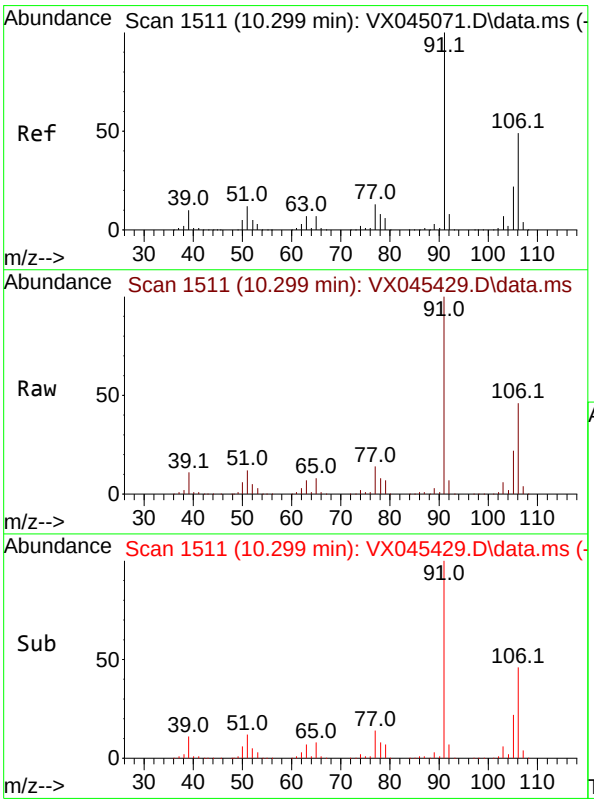
#67
Ethyl Benzene
Concen: 53.238 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045429.D
Acq: 24 Mar 2025 20:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 250322

Ion	Ratio	Lower	Upper
91	100		
106	28.6	23.9	35.9

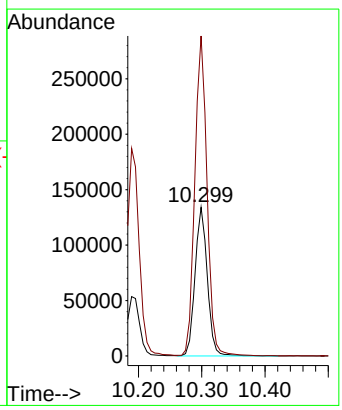


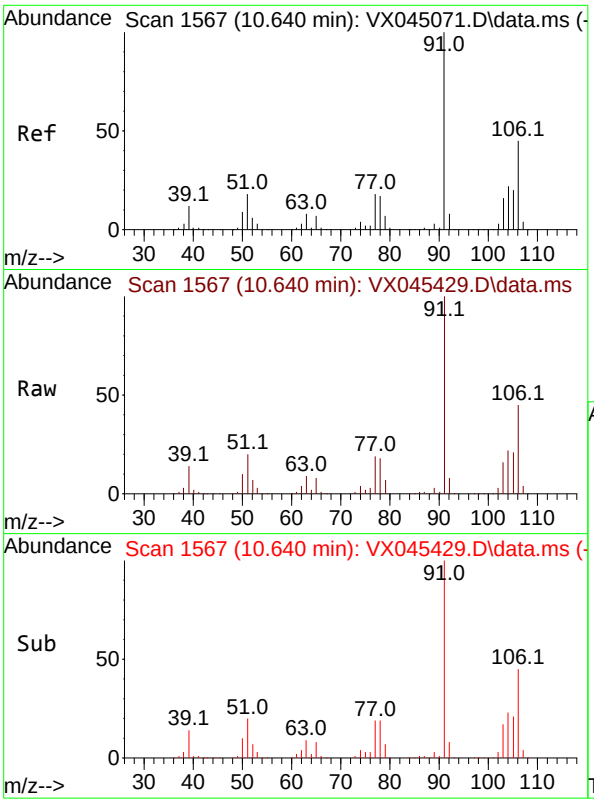


#68
m/p-Xylenes
Concen: 105.294 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX045429.D
Acq: 24 Mar 2025 20:42

Tgt Ion:106 Resp: 181238

Ion	Ratio	Lower	Upper
106	100		
91	213.8	165.4	248.0



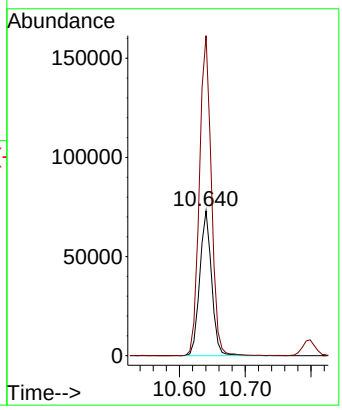


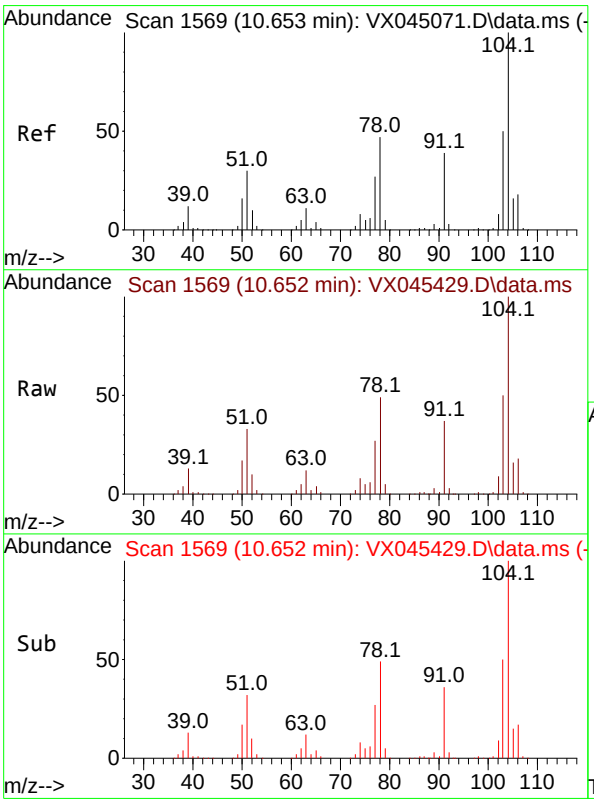
#69
o-Xylene
Concen: 52.437 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045429.D
Acq: 24 Mar 2025 20:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:106 Resp: 91030

Ion	Ratio	Lower	Upper
106	100		
91	223.6	109.9	329.6

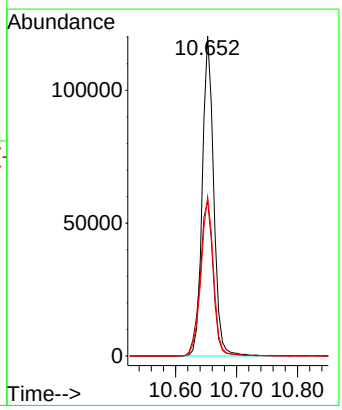


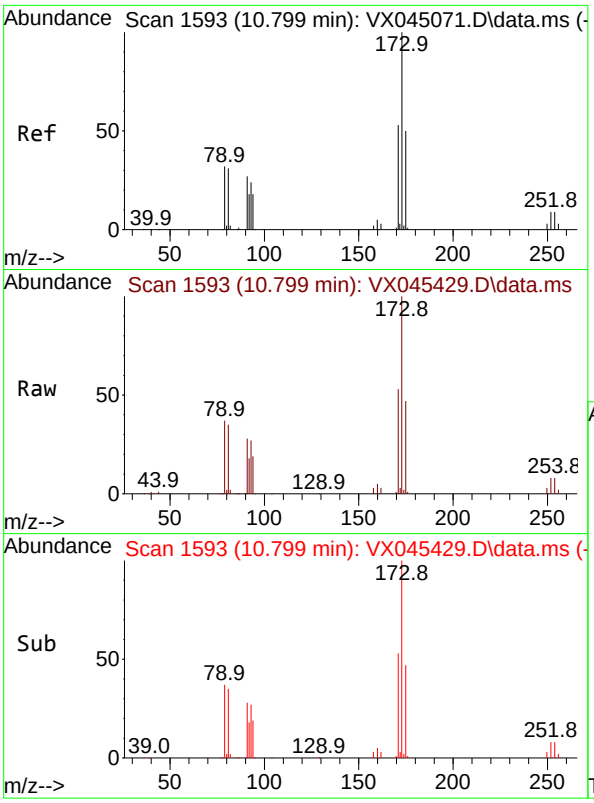


#70
Styrene
Concen: 56.029 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX045429.D
Acq: 24 Mar 2025 20:42

Tgt Ion:104 Resp: 157381

Ion	Ratio	Lower	Upper
104	100		
78	55.6	42.2	63.4
103	54.8	43.8	65.8



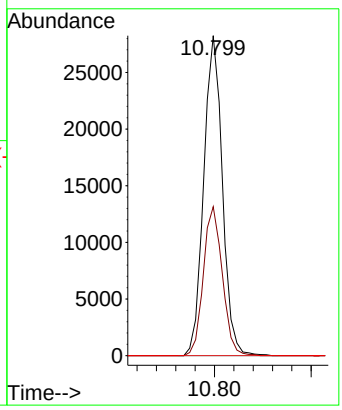


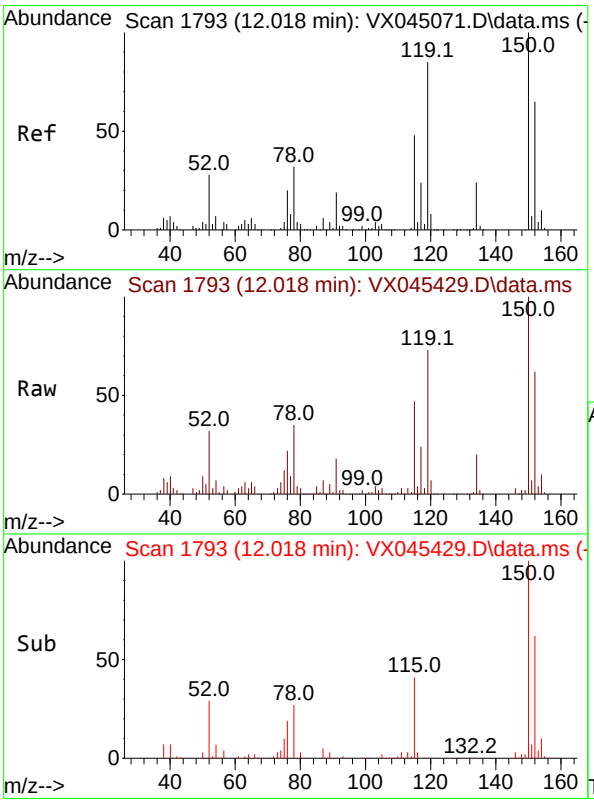
#71
Bromoform
Concen: 55.909 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045429.D
Acq: 24 Mar 2025 20:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:173 Resp: 37887

Ion	Ratio	Lower	Upper
173	100		
175	47.2	24.6	73.6
254	0.0	0.0	0.0

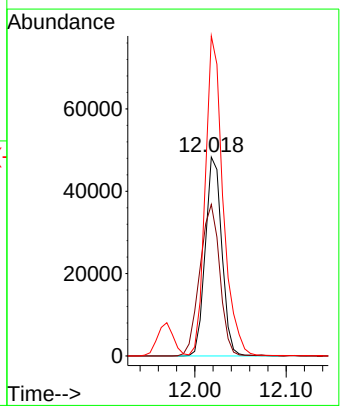


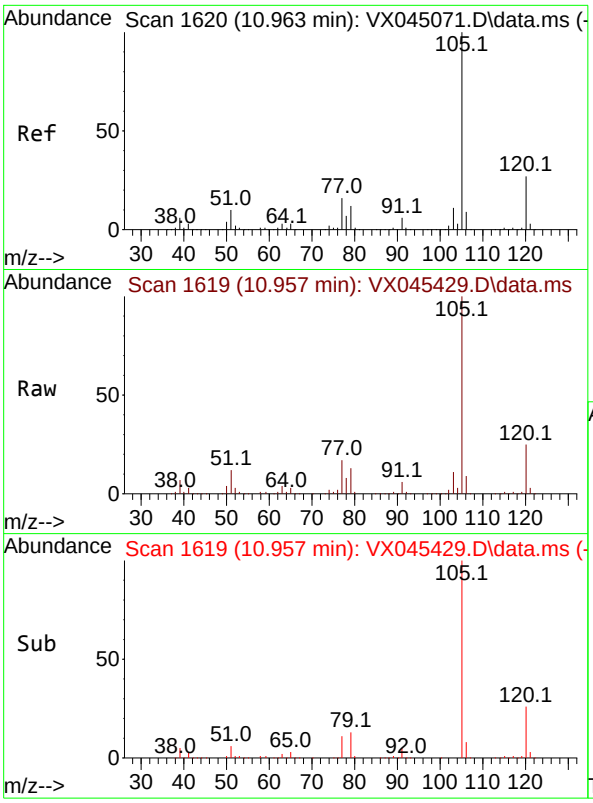


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045429.D
Acq: 24 Mar 2025 20:42

Tgt Ion:152 Resp: 60400

Ion	Ratio	Lower	Upper
152	100		
115	92.4	44.2	132.6
150	172.6	0.0	349.0



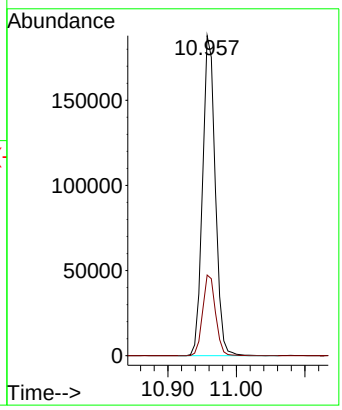


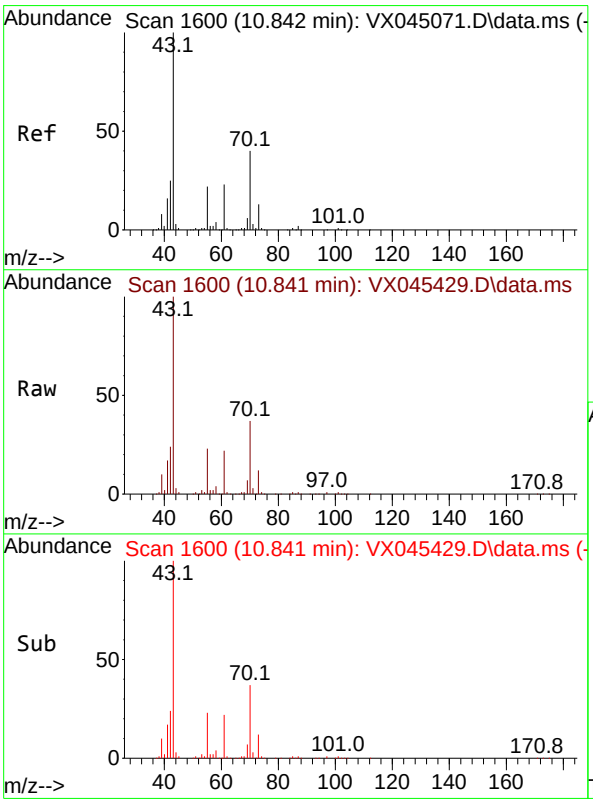
#73
Isopropylbenzene
Concen: 51.530 ug/l
RT: 10.957 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045429.D
Acq: 24 Mar 2025 20:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:105 Resp: 242935

Ion	Ratio	Lower	Upper
105	100		
120	25.5	13.2	39.5

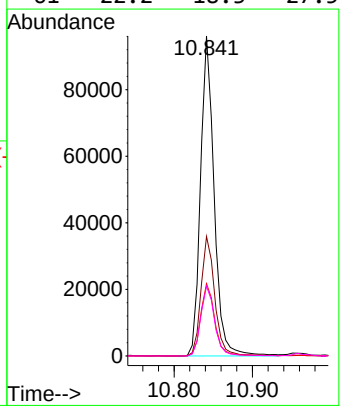


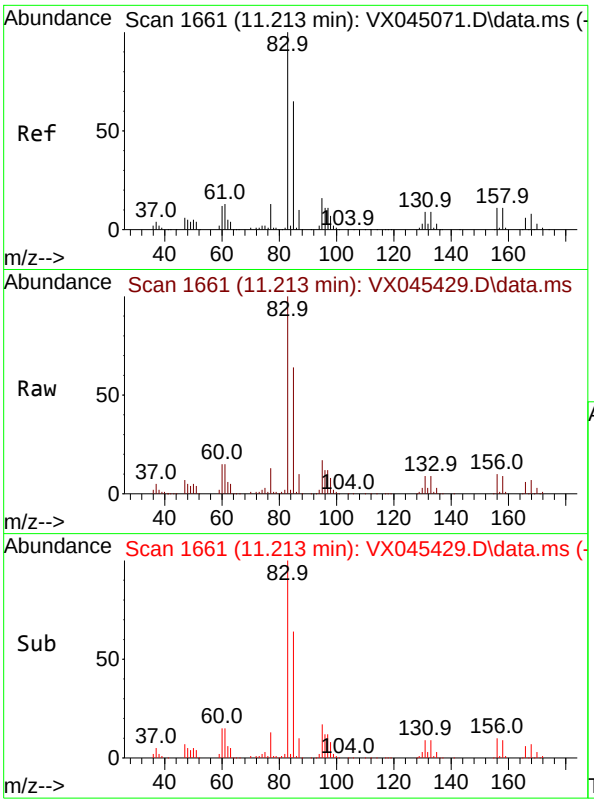


#74
N-amyl acetate
Concen: 52.577 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX045429.D
Acq: 24 Mar 2025 20:42

Tgt Ion: 43 Resp: 116309

Ion	Ratio	Lower	Upper
43	100		
70	38.0	31.8	47.6
55	23.6	18.3	27.5
61	22.2	18.3	27.5



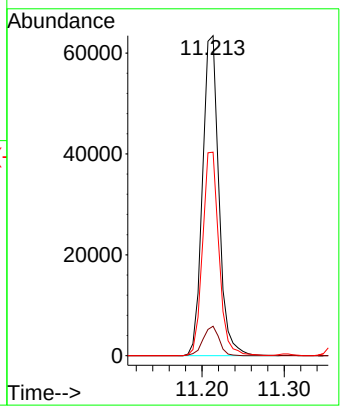


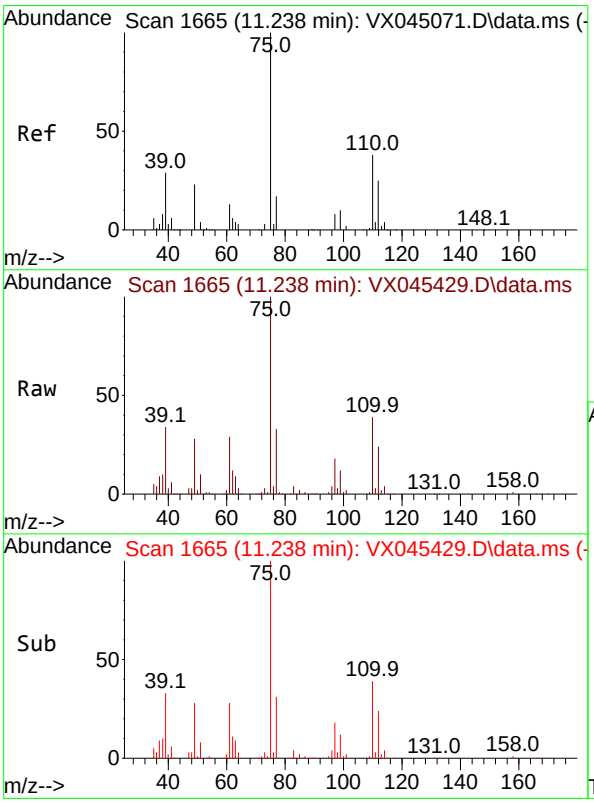
#75
1,1,2,2-Tetrachloroethane
Concen: 50.588 ug/l
RT: 11.213 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045429.D
Acq: 24 Mar 2025 20:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 87517

Ion	Ratio	Lower	Upper
83	100		
131	9.1	4.5	13.4
85	63.7	31.7	95.1

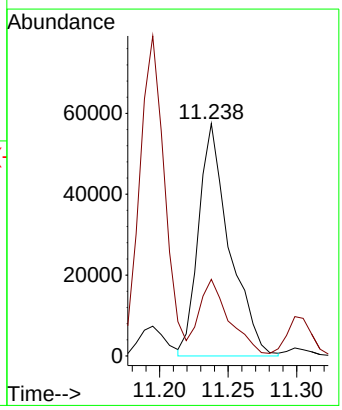


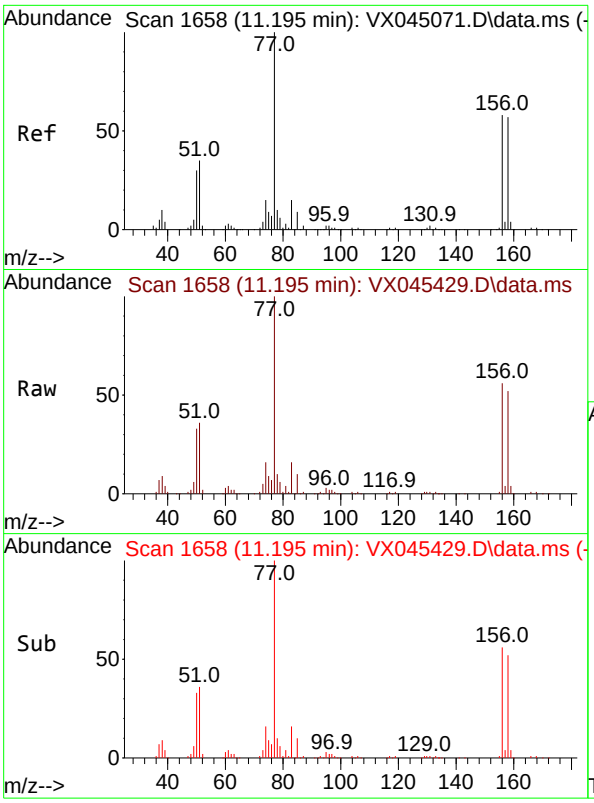


#76
1,2,3-Trichloropropane
Concen: 64.274 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX045429.D
Acq: 24 Mar 2025 20:42

Tgt Ion: 75 Resp: 90358

Ion	Ratio	Lower	Upper
75	100		
77	32.4	20.7	62.1



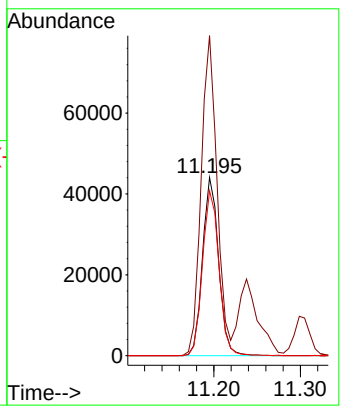


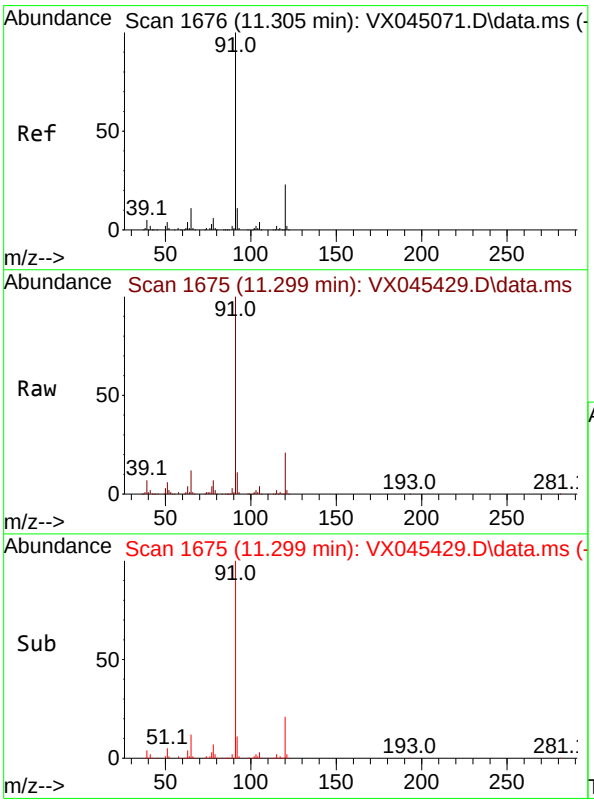
#77
Bromobenzene
Concen: 51.103 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045429.D
Acq: 24 Mar 2025 20:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:156 Resp: 56843

Ion	Ratio	Lower	Upper
156	100		
77	176.9	85.8	257.4
158	94.6	48.4	145.2

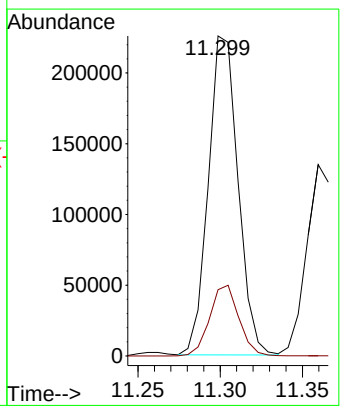


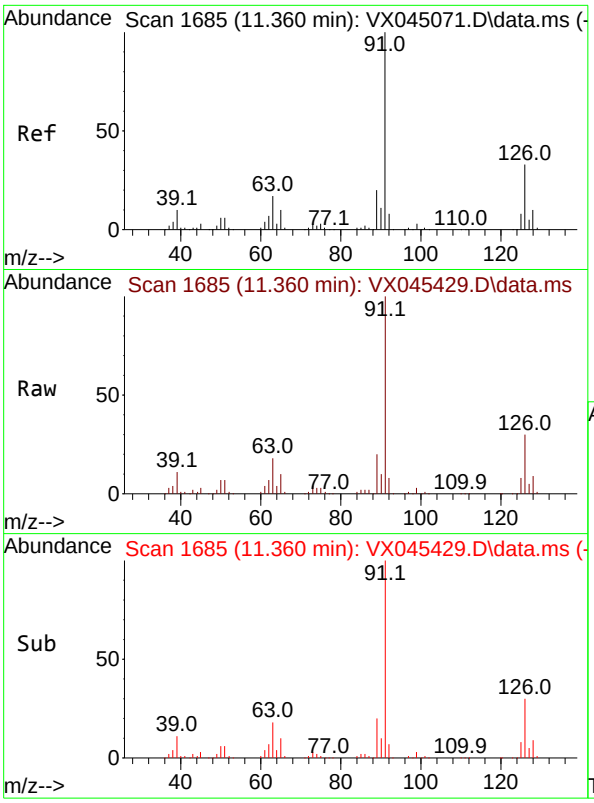


#78
n-propylbenzene
Concen: 53.271 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. -0.006 min
Lab File: VX045429.D
Acq: 24 Mar 2025 20:42

Tgt Ion: 91 Resp: 283698

Ion	Ratio	Lower	Upper
91	100		
120	21.8	11.2	33.6



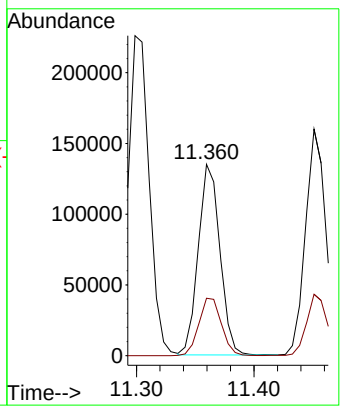


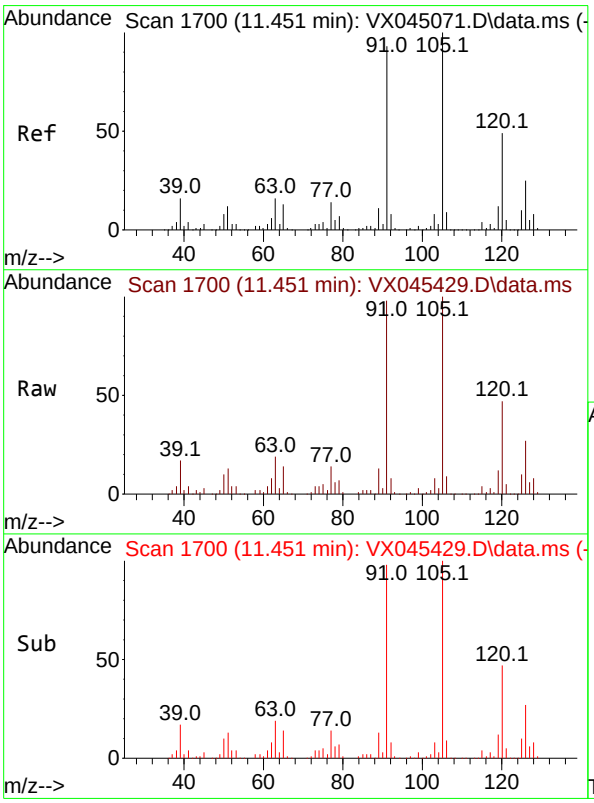
#79
2-Chlorotoluene
Concen: 50.957 ug/l
RT: 11.360 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045429.D
Acq: 24 Mar 2025 20:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 172828

Ion	Ratio	Lower	Upper
91	100		
126	31.5	16.4	49.4

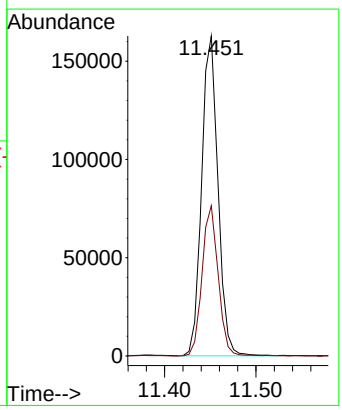


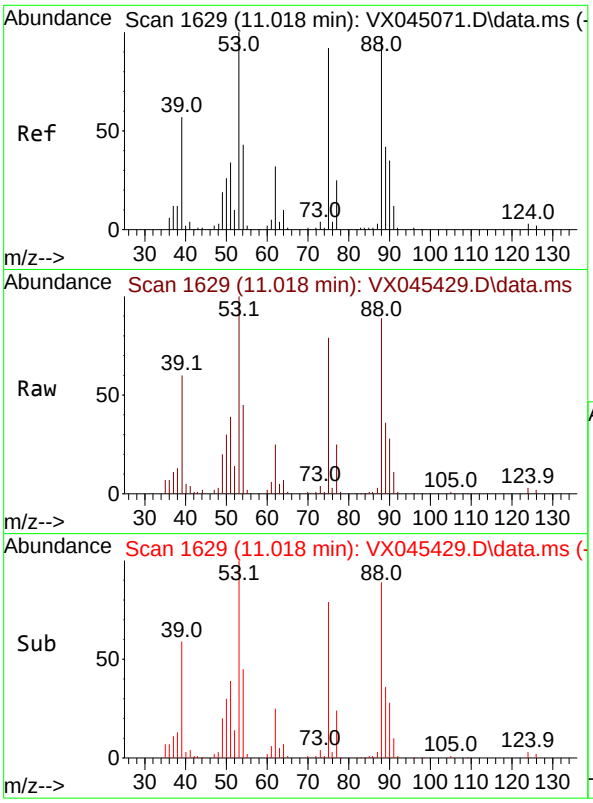


#80
1,3,5-Trimethylbenzene
Concen: 52.906 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045429.D
Acq: 24 Mar 2025 20:42

Tgt Ion:105 Resp: 201673

Ion	Ratio	Lower	Upper
105	100		
120	46.2	24.1	72.2



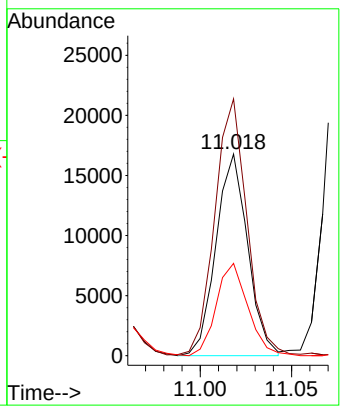


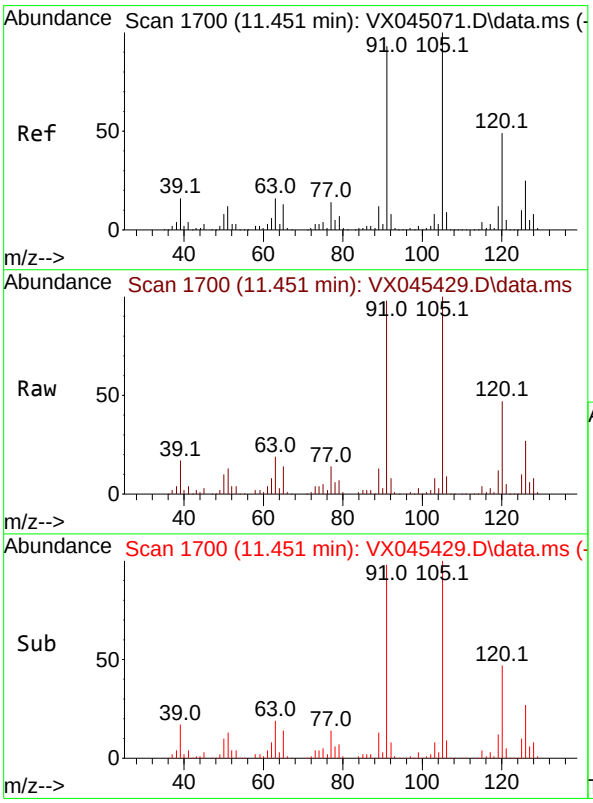
#81
trans-1,4-Dichloro-2-butene
Concen: 49.385 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045429.D
Acq: 24 Mar 2025 20:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 20287

Ion	Ratio	Lower	Upper
75	100		
53	127.6	88.5	132.7
89	45.6	36.2	54.4

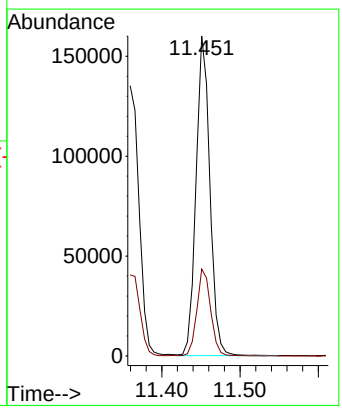


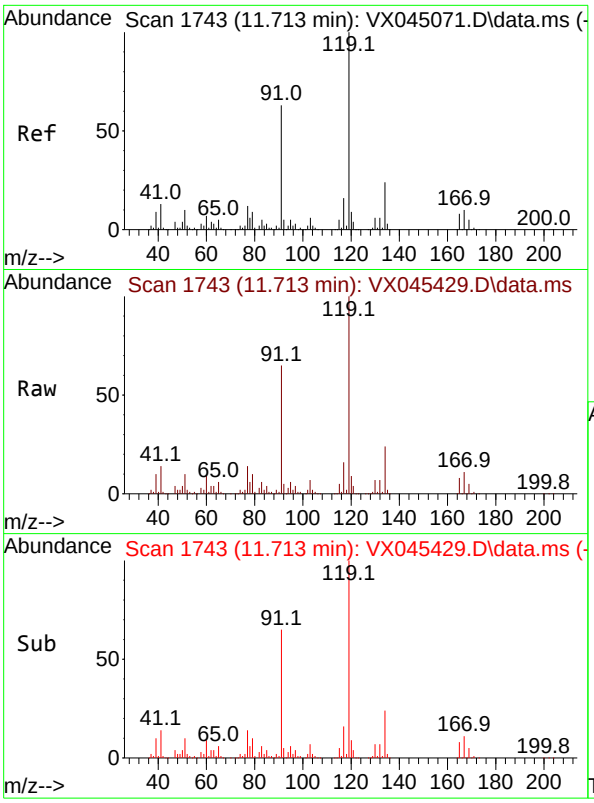


#82
4-Chlorotoluene
Concen: 53.166 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045429.D
Acq: 24 Mar 2025 20:42

Tgt Ion: 91 Resp: 196524

Ion	Ratio	Lower	Upper
91	100		
126	27.3	14.1	42.4



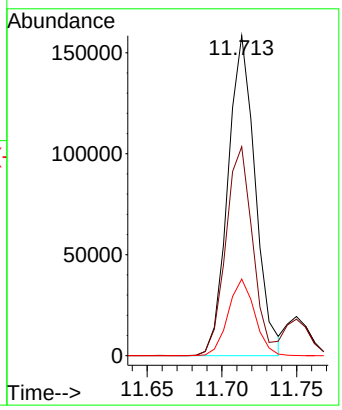


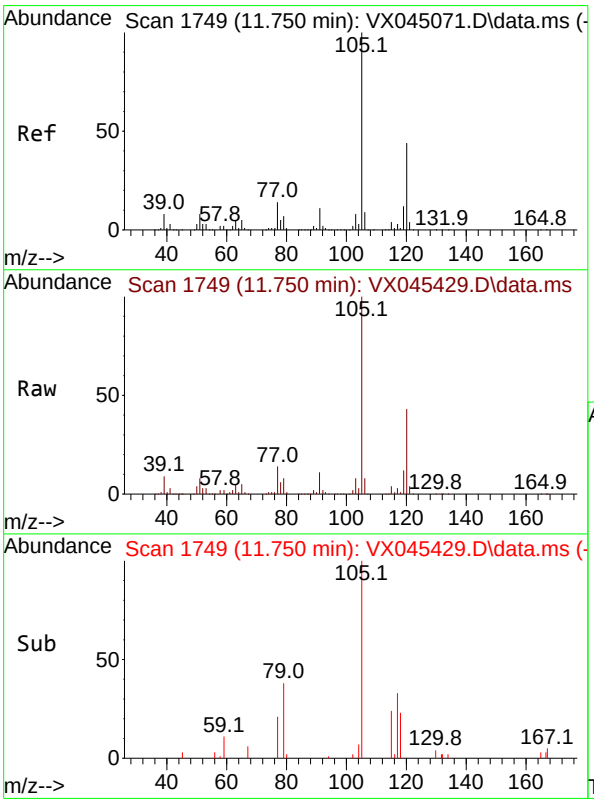
#83
tert-Butylbenzene
Concen: 51.356 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045429.D
Acq: 24 Mar 2025 20:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:119 Resp: 201144

Ion	Ratio	Lower	Upper
119	100		
91	65.1	30.7	92.1
134	23.3	11.7	35.0

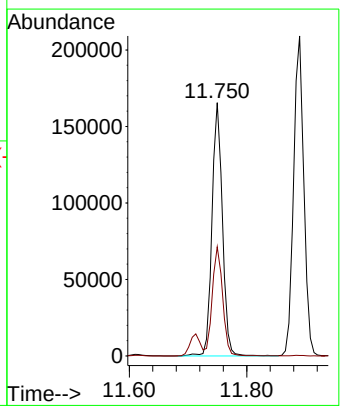


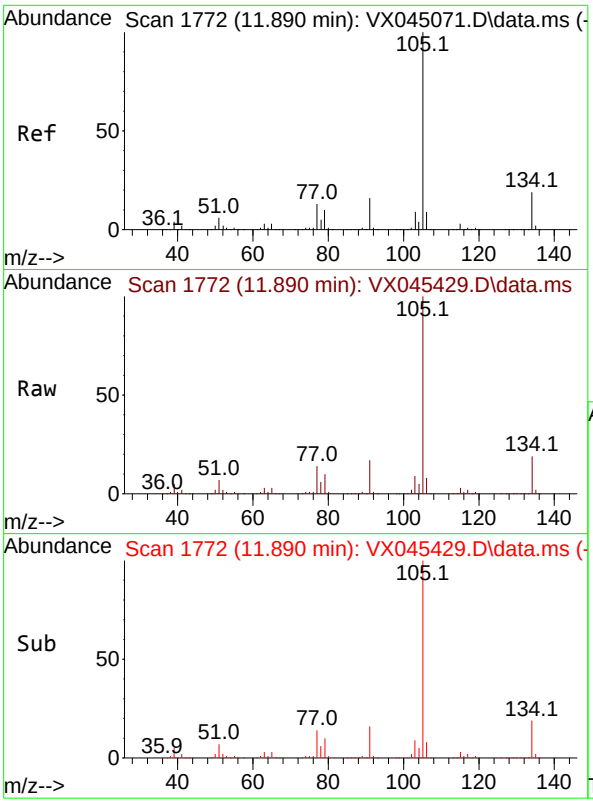


#84
1,2,4-Trimethylbenzene
Concen: 53.251 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX045429.D
Acq: 24 Mar 2025 20:42

Tgt Ion:105 Resp: 204246

Ion	Ratio	Lower	Upper
105	100		
120	42.7	22.1	66.1



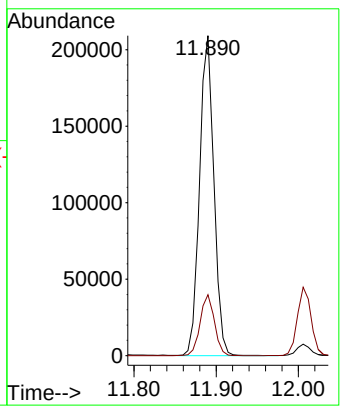


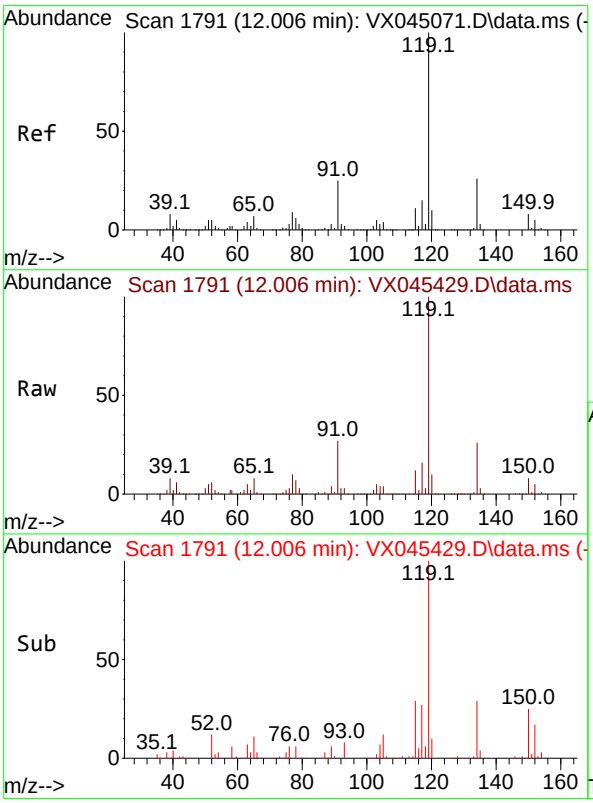
#85
sec-Butylbenzene
Concen: 54.043 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045429.D
Acq: 24 Mar 2025 20:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:105 Resp: 253554

Ion	Ratio	Lower	Upper
105	100		
134	19.0	9.8	29.4

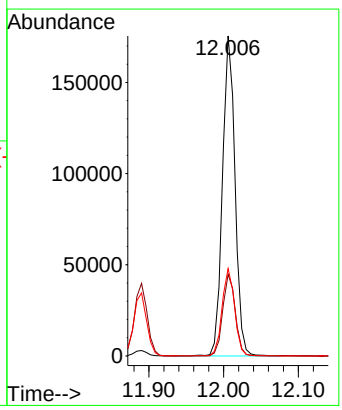


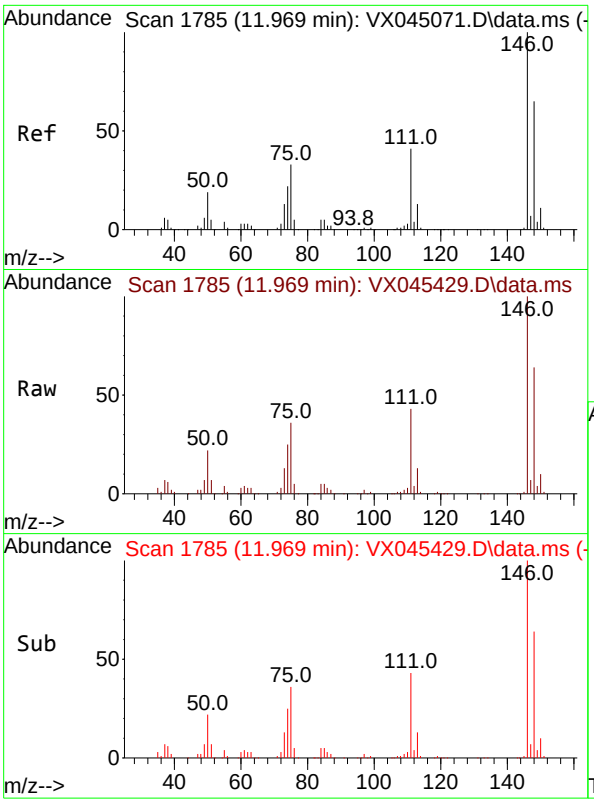


#86
p-Isopropyltoluene
Concen: 53.996 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX045429.D
Acq: 24 Mar 2025 20:42

Tgt Ion:119 Resp: 204726

Ion	Ratio	Lower	Upper
119	100		
134	25.5	12.9	38.6
91	27.2	12.7	38.0



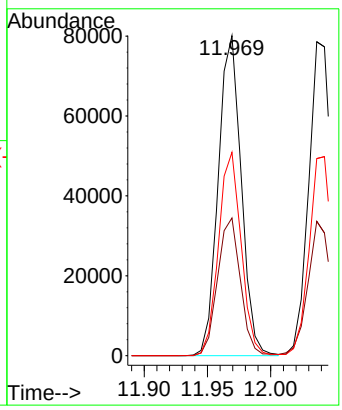


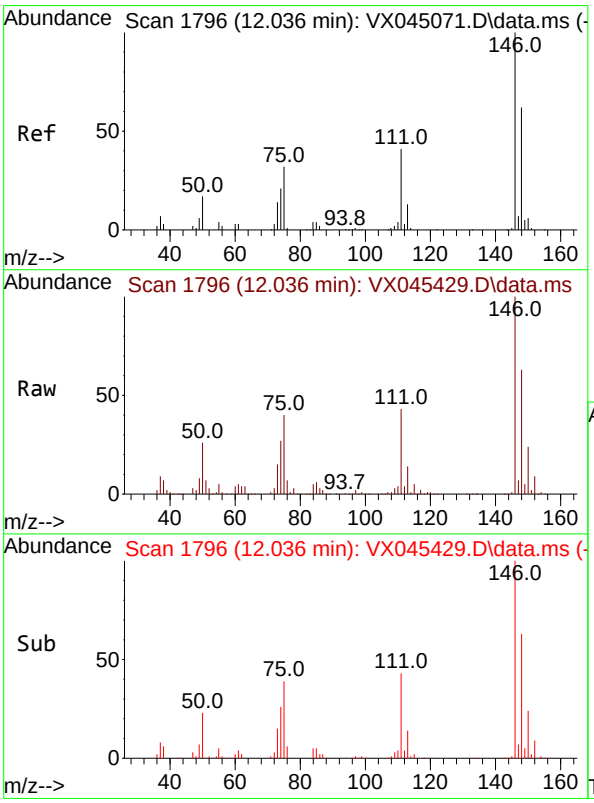
#87
1,3-Dichlorobenzene
Concen: 50.976 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045429.D
Acq: 24 Mar 2025 20:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:146 Resp: 101152

Ion	Ratio	Lower	Upper
146	100		
111	42.9	21.1	63.4
148	62.5	31.9	95.7

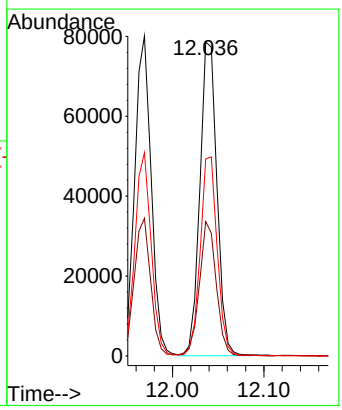


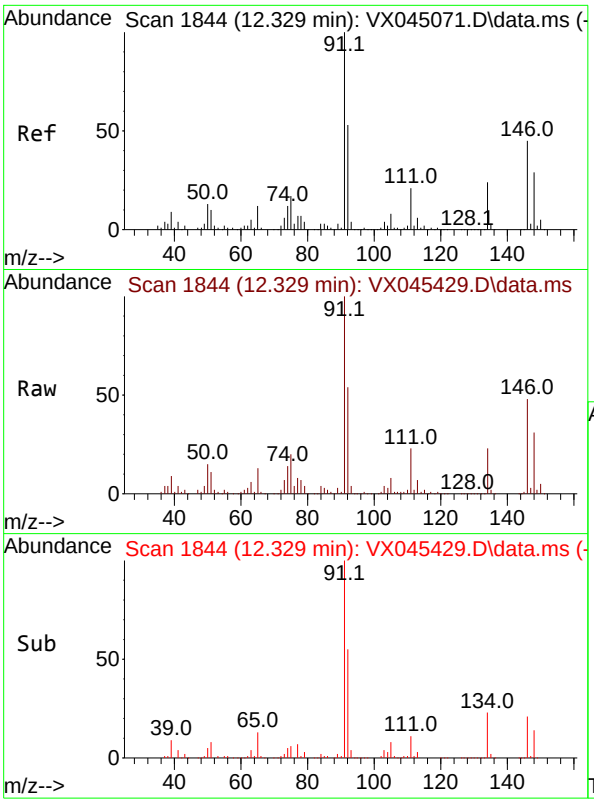


#88
1,4-Dichlorobenzene
Concen: 50.634 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. -0.000 min
Lab File: VX045429.D
Acq: 24 Mar 2025 20:42

Tgt Ion:146 Resp: 101650

Ion	Ratio	Lower	Upper
146	100		
111	42.3	20.2	60.5
148	63.5	31.9	95.9



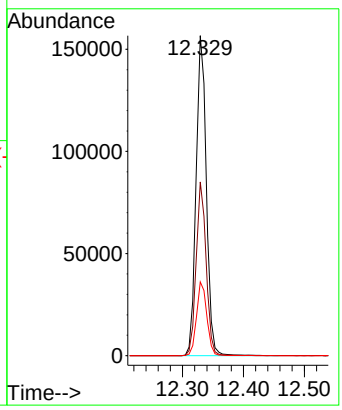


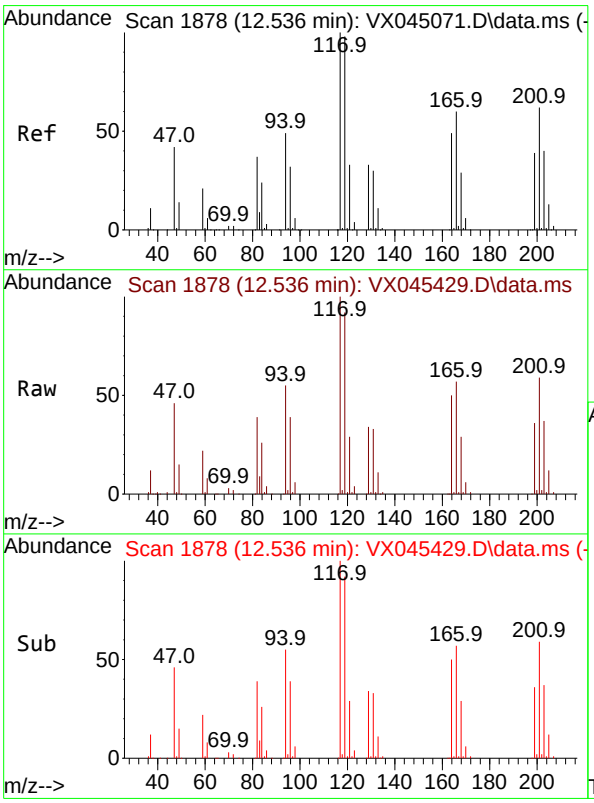
#89
n-Butylbenzene
Concen: 56.004 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045429.D
Acq: 24 Mar 2025 20:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 182883

Ion	Ratio	Lower	Upper
91	100		
92	52.9	26.7	80.0
134	23.2	12.2	36.6

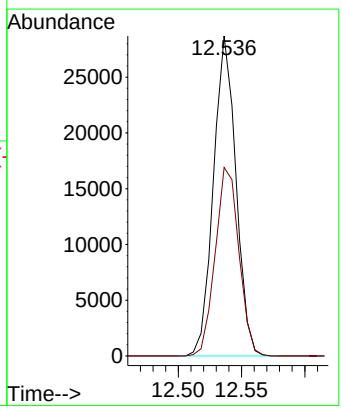


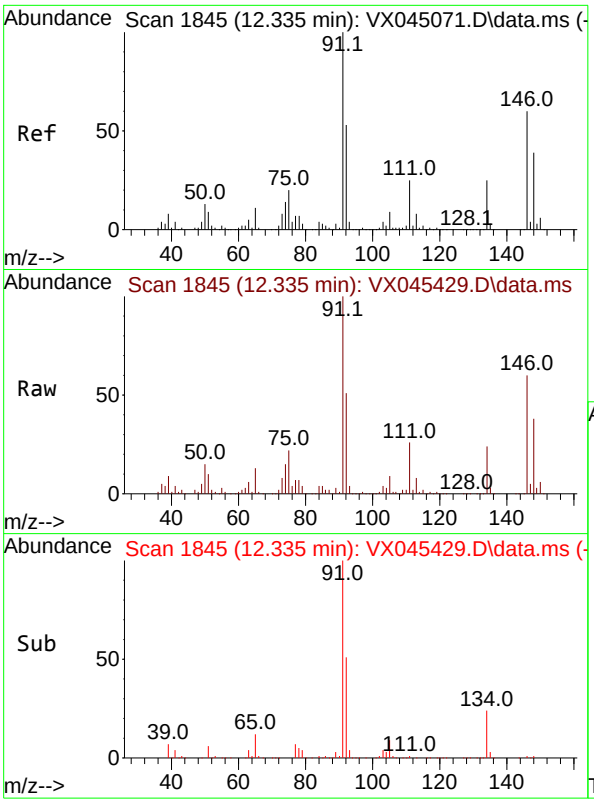


#90
Hexachloroethane
Concen: 51.608 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX045429.D
Acq: 24 Mar 2025 20:42

Tgt Ion:117 Resp: 35393

Ion	Ratio	Lower	Upper
117	100		
201	62.2	31.9	95.9



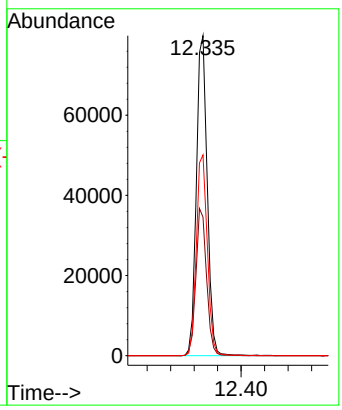


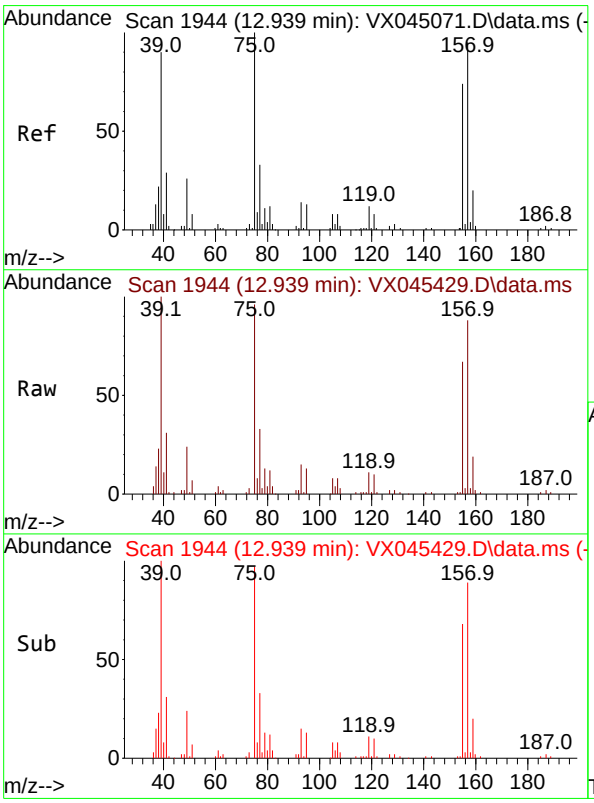
#91
1,2-Dichlorobenzene
Concen: 51.543 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045429.D
Acq: 24 Mar 2025 20:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:146 Resp: 102600

Ion	Ratio	Lower	Upper
146	100		
111	45.2	21.6	65.0
148	63.5	31.9	95.9

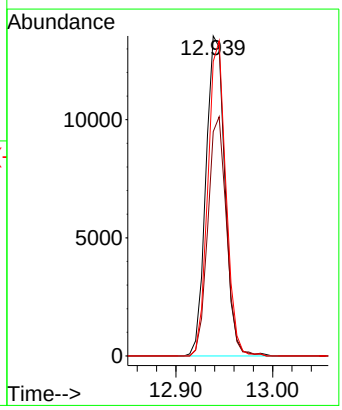


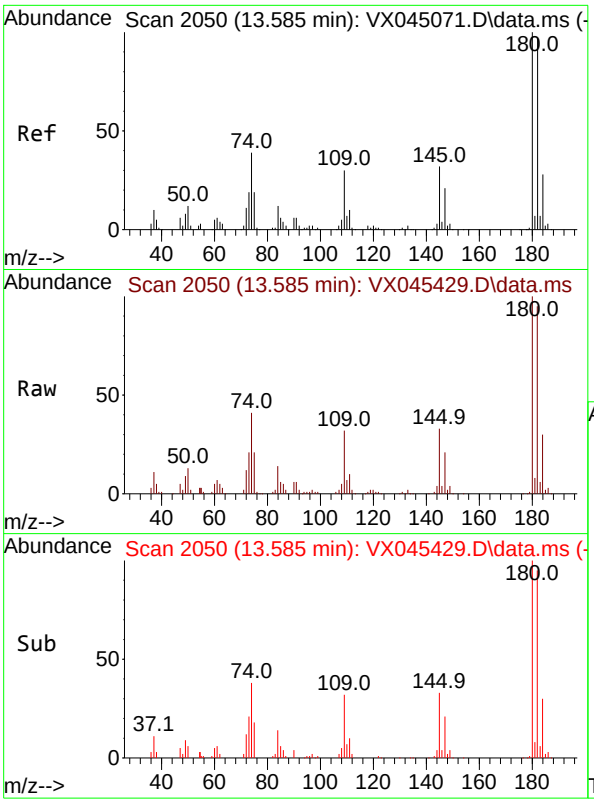


#92
1,2-Dibromo-3-Chloropropane
Concen: 55.190 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX045429.D
Acq: 24 Mar 2025 20:42

Tgt Ion: 75 Resp: 18601

Ion	Ratio	Lower	Upper
75	100		
155	72.7	39.6	118.7
157	92.9	51.1	153.4



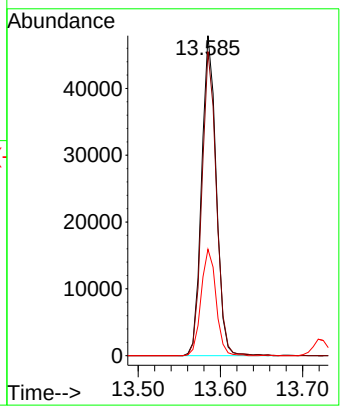


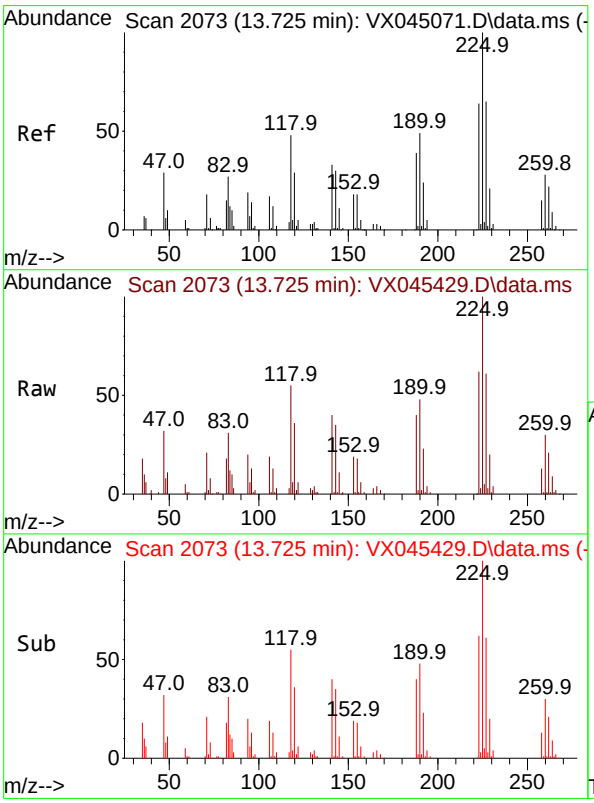
#93
1,2,4-Trichlorobenzene
Concen: 52.069 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045429.D
Acq: 24 Mar 2025 20:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:180 Resp: 59017

Ion	Ratio	Lower	Upper
180	100		
182	94.2	47.3	141.9
145	33.9	16.3	48.9

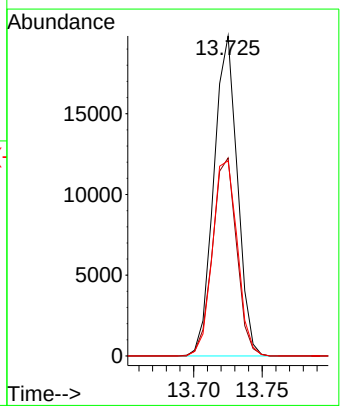


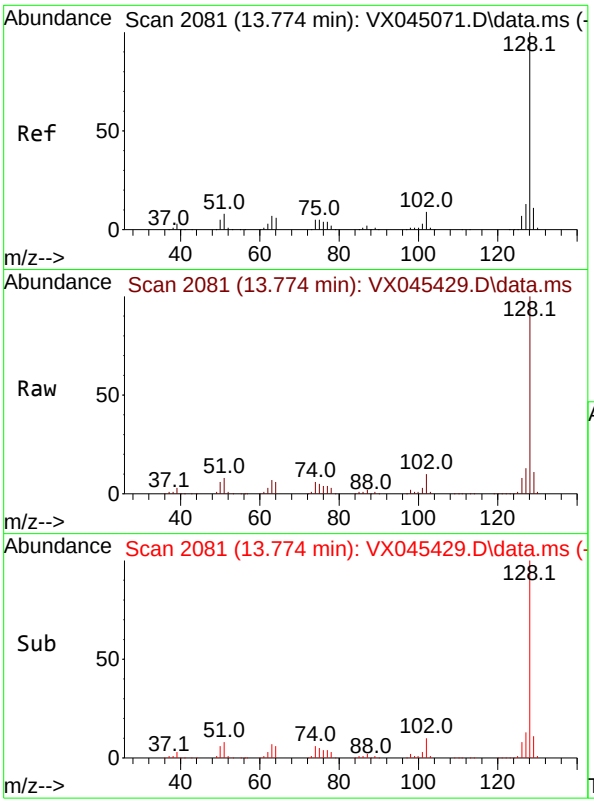


#94
Hexachlorobutadiene
Concen: 51.066 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX045429.D
Acq: 24 Mar 2025 20:42

Tgt Ion:225 Resp: 23730

Ion	Ratio	Lower	Upper
225	100		
223	63.2	31.9	95.7
227	64.4	31.4	94.0



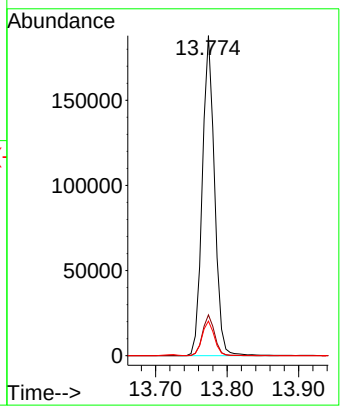


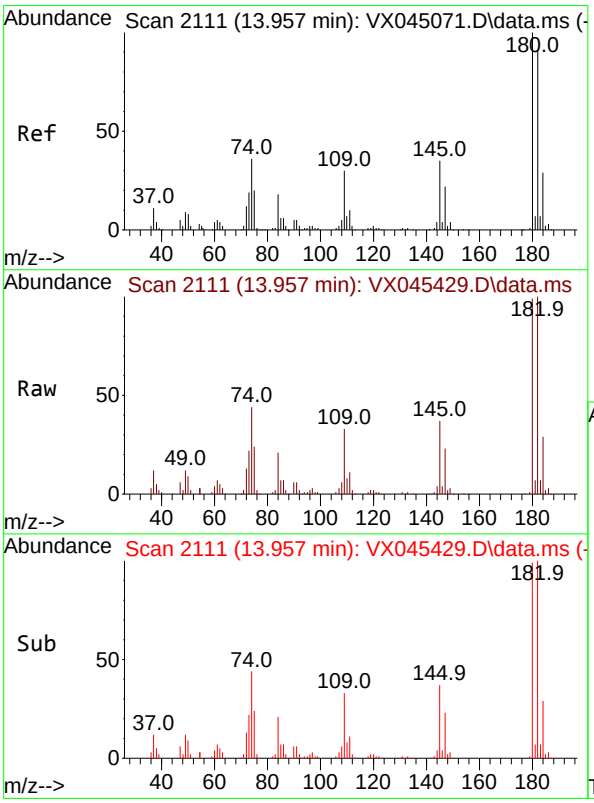
#95
Naphthalene
Concen: 51.277 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045429.D
Acq: 24 Mar 2025 20:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:128 Resp: 223298

Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.3	15.5
129	10.9	8.7	13.1

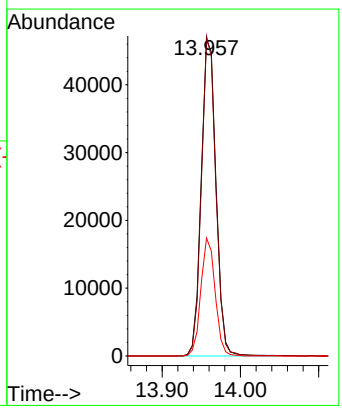




#96
1,2,3-Trichlorobenzene
Concen: 51.264 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.000 min
Lab File: VX045429.D
Acq: 24 Mar 2025 20:42

Tgt Ion:180 Resp: 61297

Ion	Ratio	Lower	Upper
180	100		
182	97.8	47.5	142.6
145	35.9	17.0	50.9



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032525\
Data File : VX045431.D
Acq On : 25 Mar 2025 11:31
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 26 01:33:34 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	83260	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	144945	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	129576	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	63016	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	72923	55.062	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 110.120%			
35) Dibromofluoromethane	5.385	113	53282	54.975	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 109.940%			
50) Toluene-d8	8.647	98	182626	51.975	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.960%			
62) 4-Bromofluorobenzene	11.079	95	69681	59.846	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 119.700%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	66436	63.390	ug/l	93
3) Chloromethane	1.307	50	66903	52.163	ug/l	95
4) Vinyl Chloride	1.374	62	59965	47.130	ug/l	96
5) Bromomethane	1.593	94	28781	57.542	ug/l	97
6) Chloroethane	1.666	64	32807	55.901	ug/l	95
7) Trichlorofluoromethane	1.874	101	91006	54.030	ug/l	97
8) Diethyl Ether	2.130	74	29617	44.955	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.319	101	58221	60.165	ug/l	98
10) Methyl Iodide	2.441	142	68492	56.637	ug/l	94
11) Tert butyl alcohol	2.977	59	55509	221.277	ug/l	96
12) 1,1-Dichloroethene	2.306	96	54221	52.997	ug/l	96
13) Acrolein	2.233	56	77829	268.391	ug/l	98
14) Allyl chloride	2.654	41	101764	55.879	ug/l	92
15) Acrylonitrile	3.062	53	168372	250.432	ug/l	99
16) Acetone	2.386	43	164112	267.080	ug/l	97
17) Carbon Disulfide	2.502	76	136796	50.201	ug/l	98
18) Methyl Acetate	2.703	43	71289	48.227	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	181535	52.888	ug/l	97
20) Methylene Chloride	2.782	84	60694	49.864	ug/l	97
21) trans-1,2-Dichloroethene	3.087	96	53348	52.781	ug/l	97
22) Diisopropyl ether	3.757	45	192840	52.066	ug/l #	86
23) Vinyl Acetate	3.715	43	885598	286.525	ug/l	98
24) 1,1-Dichloroethane	3.605	63	109159	52.589	ug/l	100
25) 2-Butanone	4.556	43	248088	268.225	ug/l	96
26) 2,2-Dichloropropane	4.471	77	80649	82.834	ug/l	94
27) cis-1,2-Dichloroethene	4.483	96	64325	51.554	ug/l	92
28) Bromochloromethane	4.891	49	48619	49.141	ug/l	98
29) Tetrahydrofuran	5.001	42	155653	250.594	ug/l	99
30) Chloroform	5.086	83	109652	53.166	ug/l	99
31) Cyclohexane	5.458	56	98942	54.912	ug/l	97
32) 1,1,1-Trichloroethane	5.373	97	94214	56.559	ug/l	98
36) 1,1-Dichloropropene	5.684	75	74619	56.139	ug/l	100
37) Ethyl Acetate	4.708	43	92765	54.162	ug/l	98
38) Carbon Tetrachloride	5.666	117	80811	59.885	ug/l	97
39) Methylcyclohexane	7.373	83	97660	61.319	ug/l	96
40) Benzene	6.031	78	224248	53.428	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032525\
Data File : VX045431.D
Acq On : 25 Mar 2025 11:31
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 26 01:33:34 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	4.916	41	51574	55.689	ug/l		98
42) 1,2-Dichloroethane	6.080	62	90507	59.882	ug/l		96
43) Isopropyl Acetate	6.336	43	146064	57.673	ug/l		98
44) Trichloroethene	7.117	130	52842	53.617	ug/l		100
45) 1,2-Dichloropropane	7.428	63	56590	52.440	ug/l		98
46) Dibromomethane	7.574	93	43826	57.458	ug/l		96
47) Bromodichloromethane	7.818	83	85701	57.282	ug/l		99
48) Methyl methacrylate	7.690	41	75819	59.672	ug/l		93
49) 1,4-Dioxane	7.653	88	28313	1056.380	ug/l		94
51) 4-Methyl-2-Pentanone	8.574	43	493305	290.090	ug/l		99
52) Toluene	8.714	92	136895	55.590	ug/l		99
53) t-1,3-Dichloropropene	8.976	75	79234	63.348	ug/l		96
54) cis-1,3-Dichloropropene	8.360	75	88476	60.662	ug/l		92
55) 1,1,2-Trichloroethane	9.147	97	53576	52.847	ug/l		99
56) Ethyl methacrylate	9.116	69	90431	58.682	ug/l		92
57) 1,3-Dichloropropane	9.305	76	94299	53.749	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.238	63	224245	298.307	ug/l		100
59) 2-Hexanone	9.427	43	376299	305.413	ug/l		98
60) Dibromochloromethane	9.519	129	61649	58.159	ug/l		100
61) 1,2-Dibromoethane	9.604	107	56497	55.824	ug/l		99
64) Tetrachloroethene	9.269	164	45803	55.192	ug/l		96
65) Chlorobenzene	10.079	112	146378	53.387	ug/l		100
66) 1,1,1,2-Tetrachloroethane	10.159	131	50276	55.062	ug/l		97
67) Ethyl Benzene	10.189	91	267992	56.096	ug/l		98
68) m/p-Xylenes	10.299	106	196944	112.611	ug/l		95
69) o-Xylene	10.640	106	97592	55.328	ug/l		98
70) Styrene	10.653	104	164378	57.595	ug/l		97
71) Bromoform	10.799	173	39593	57.503	ug/l	#	99
73) Isopropylbenzene	10.957	105	256869	52.224	ug/l		99
74) N-amyl acetate	10.842	43	132920	57.592	ug/l		98
75) 1,1,2,2-Tetrachloroethane	11.207	83	89603	49.643	ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	96348	65.690	ug/l		85
77) Bromobenzene	11.195	156	57616	49.647	ug/l		93
78) n-propylbenzene	11.299	91	307324	55.312	ug/l		98
79) 2-Chlorotoluene	11.360	91	186258	52.637	ug/l		97
80) 1,3,5-Trimethylbenzene	11.451	105	213188	53.605	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.018	75	24577	57.344	ug/l		90
82) 4-Chlorotoluene	11.451	91	213457	55.350	ug/l		98
83) tert-Butylbenzene	11.713	119	216792	53.053	ug/l		97
84) 1,2,4-Trimethylbenzene	11.750	105	220378	55.071	ug/l		98
85) sec-Butylbenzene	11.890	105	272850	55.742	ug/l		99
86) p-Isopropyltoluene	12.006	119	228640	57.799	ug/l		98
87) 1,3-Dichlorobenzene	11.969	146	110607	53.426	ug/l		99
88) 1,4-Dichlorobenzene	12.036	146	109112	52.095	ug/l		98
89) n-Butylbenzene	12.329	91	210489	61.782	ug/l		98
90) Hexachloroethane	12.536	117	39347	54.992	ug/l		96
91) 1,2-Dichlorobenzene	12.335	146	109233	52.598	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	12.939	75	20341	57.847	ug/l		90
93) 1,2,4-Trichlorobenzene	13.585	180	65965	55.783	ug/l		99
94) Hexachlorobutadiene	13.725	225	27052	55.799	ug/l		97
95) Naphthalene	13.774	128	244271	53.764	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	66037	52.935	ug/l		98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032525\
Data File : VX045431.D
Acq On : 25 Mar 2025 11:31
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 26 01:33:34 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

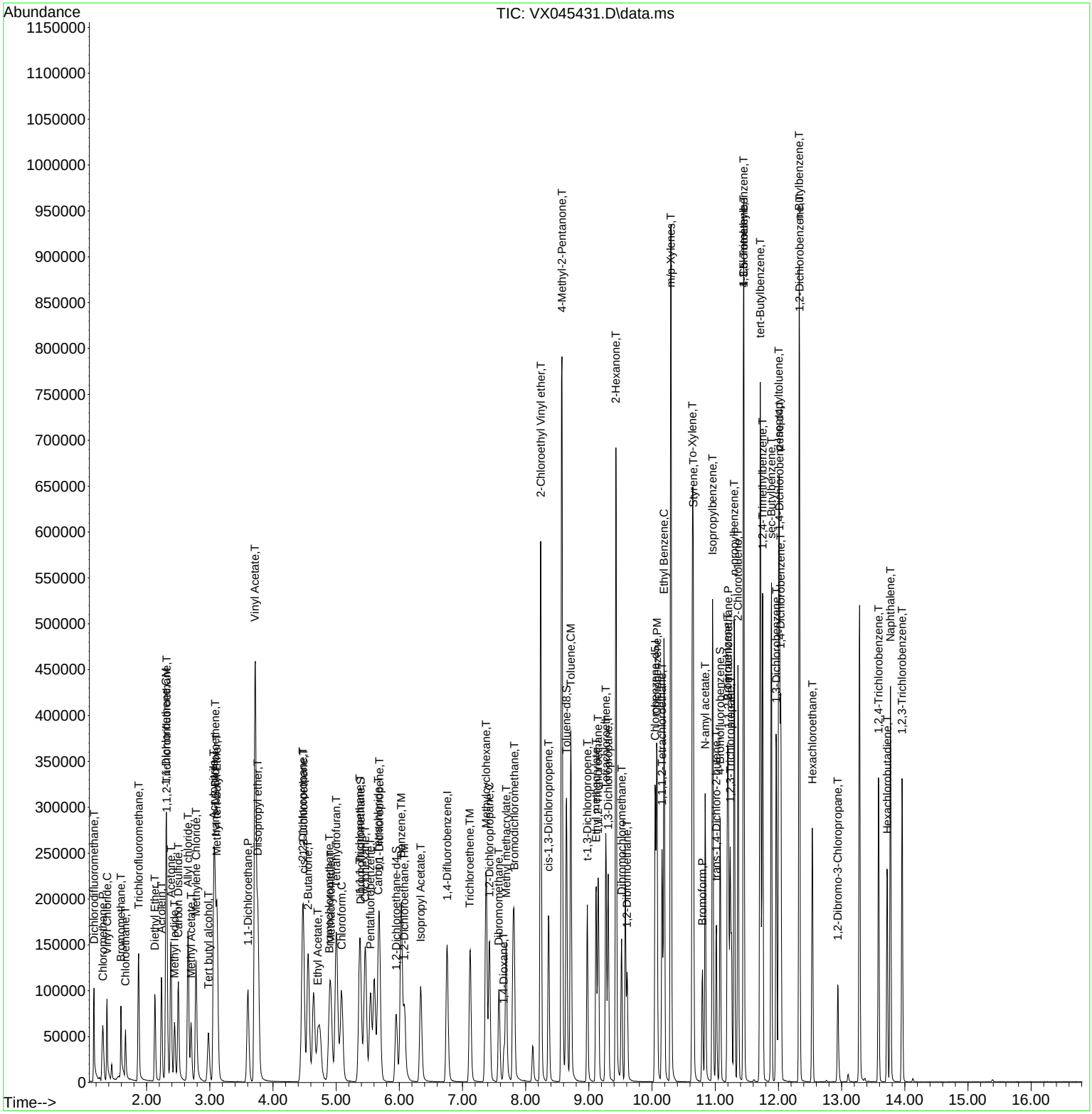
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

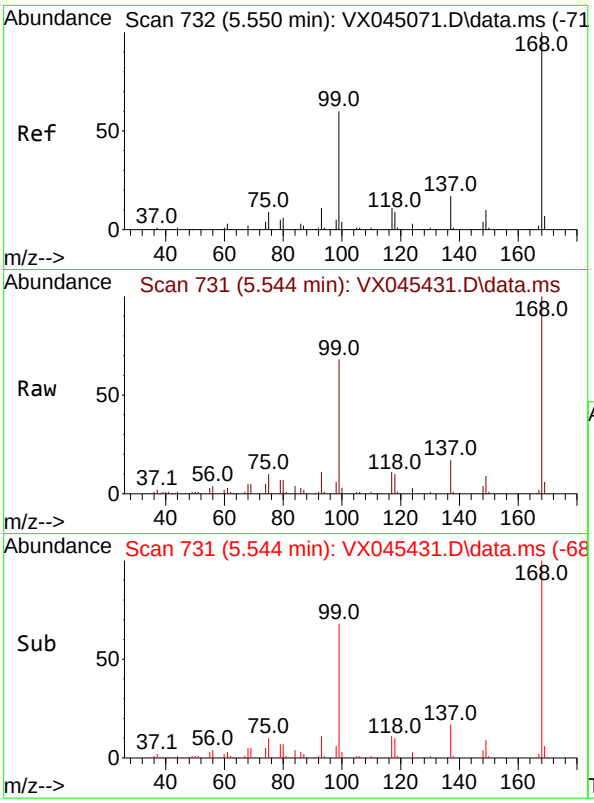
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032525\
Data File : VX045431.D
Acq On : 25 Mar 2025 11:31
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 26 01:33:34 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



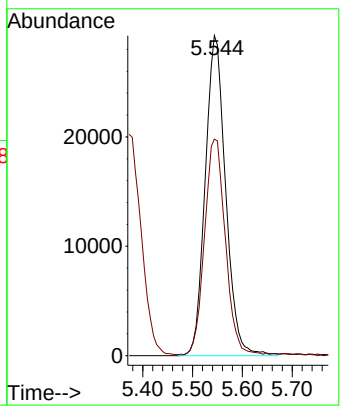


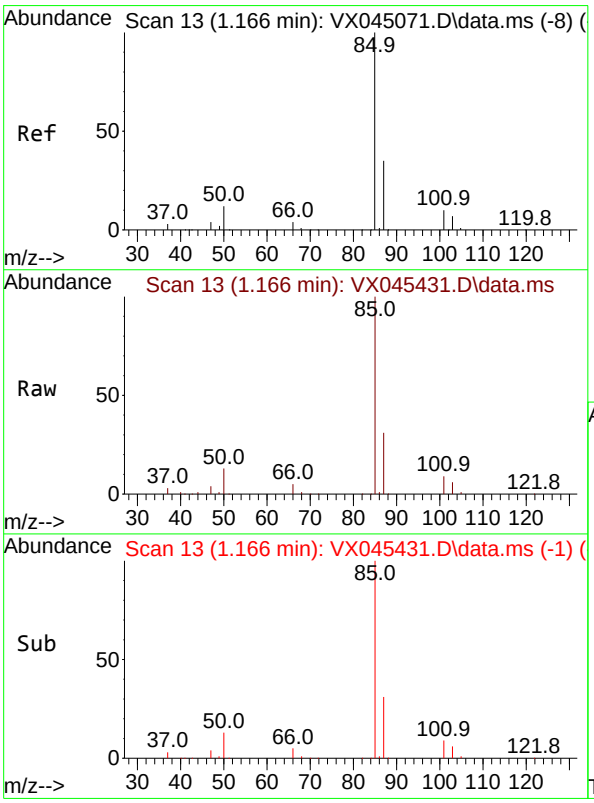
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045431.D
Acq: 25 Mar 2025 11:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:168 Resp: 83260

Ion	Ratio	Lower	Upper
168	100		
99	67.3	48.2	72.4

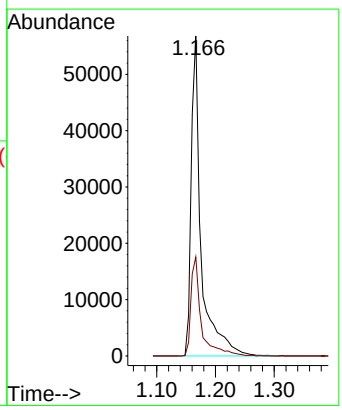


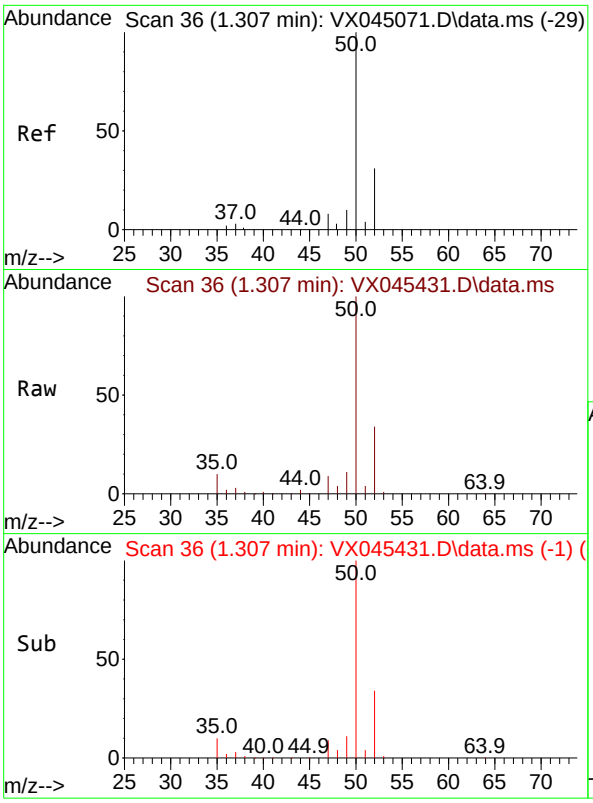


#2
Dichlorodifluoromethane
Concen: 63.390 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX045431.D
Acq: 25 Mar 2025 11:31

Tgt Ion: 85 Resp: 66436

Ion	Ratio	Lower	Upper
85	100		
87	30.9	17.4	52.3



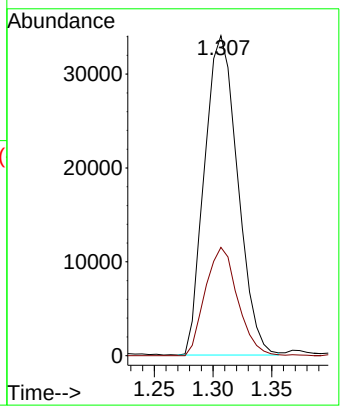


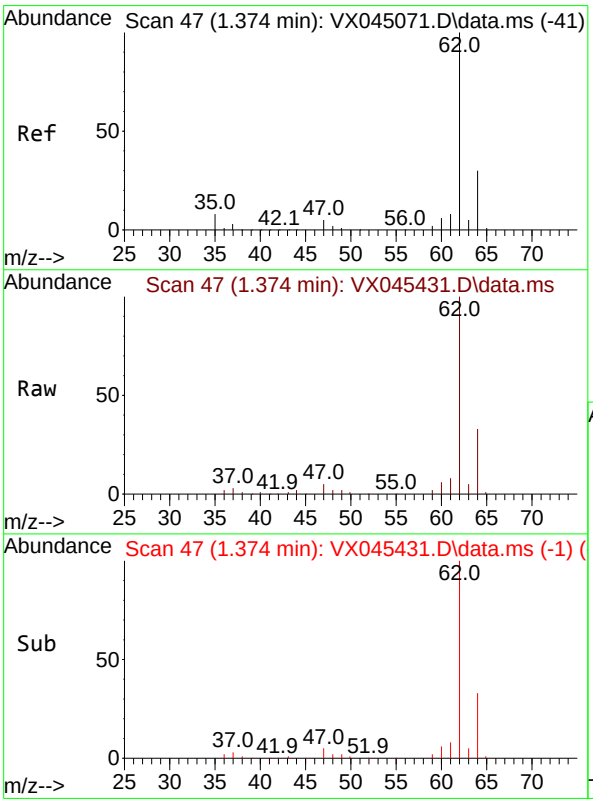
#3
Chloromethane
Concen: 52.163 ug/l
RT: 1.307 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045431.D
Acq: 25 Mar 2025 11:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 50 Resp: 66903

Ion	Ratio	Lower	Upper
50	100		
52	33.9	25.0	37.4

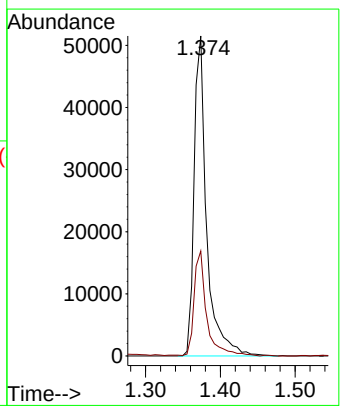


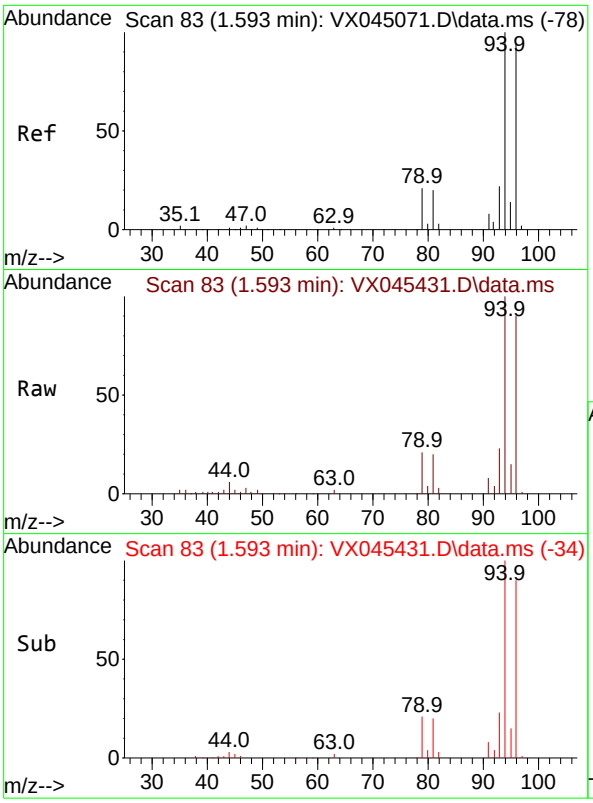


#4
Vinyl Chloride
Concen: 47.130 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX045431.D
Acq: 25 Mar 2025 11:31

Tgt Ion: 62 Resp: 59965

Ion	Ratio	Lower	Upper
62	100		
64	32.8	24.3	36.5



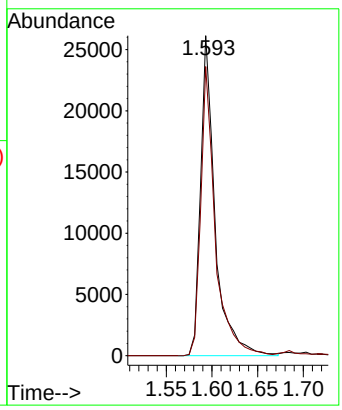


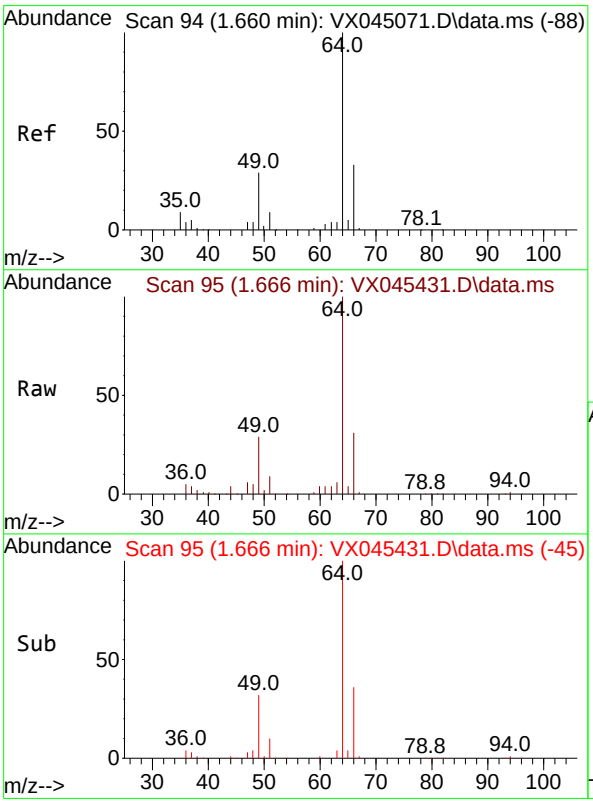
#5
Bromomethane
Concen: 57.542 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045431.D
Acq: 25 Mar 2025 11:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 94 Resp: 28781

Ion	Ratio	Lower	Upper
94	100		
96	90.3	75.0	112.4

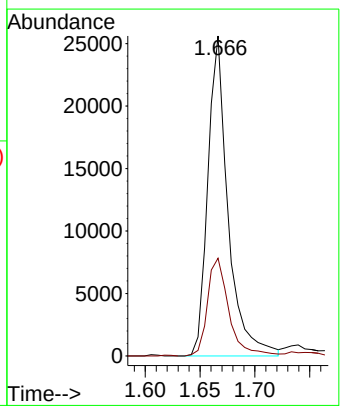


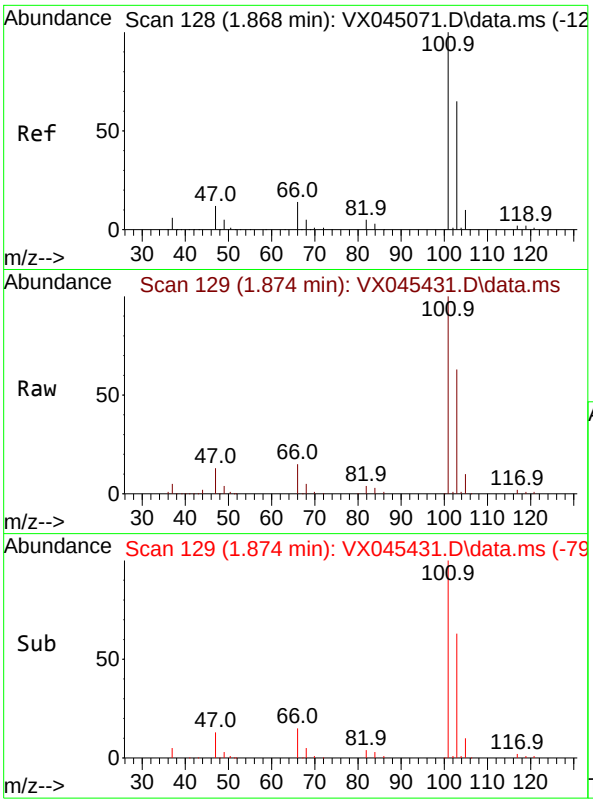


#6
Chloroethane
Concen: 55.901 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.006 min
Lab File: VX045431.D
Acq: 25 Mar 2025 11:31

Tgt Ion: 64 Resp: 32807

Ion	Ratio	Lower	Upper
64	100		
66	30.6	26.7	40.1



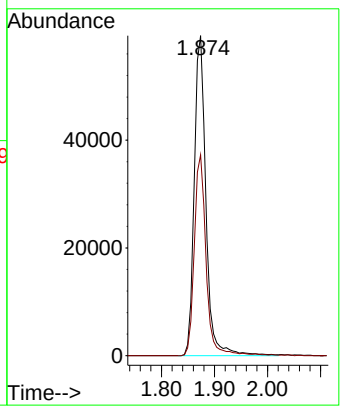


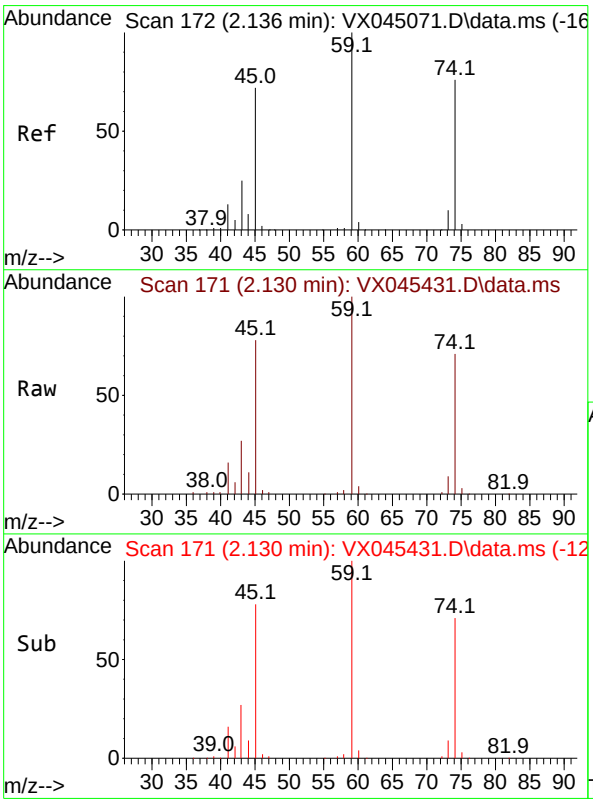
#7
Trichlorofluoromethane
Concen: 54.030 ug/l
RT: 1.874 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045431.D
Acq: 25 Mar 2025 11:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 91006

Ion	Ratio	Lower	Upper
101	100		
103	62.7	52.1	78.1

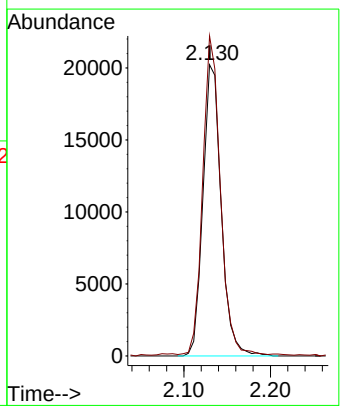


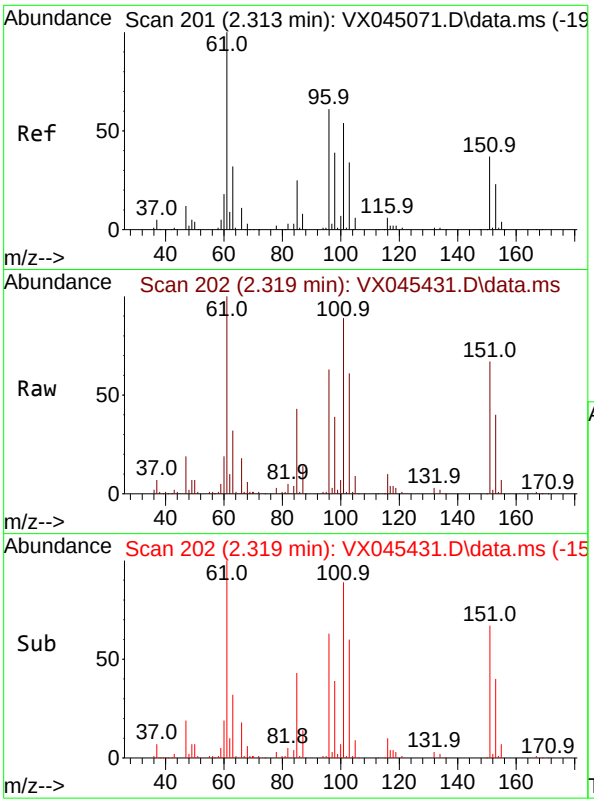


#8
Diethyl Ether
Concen: 44.955 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX045431.D
Acq: 25 Mar 2025 11:31

Tgt Ion: 74 Resp: 29617

Ion	Ratio	Lower	Upper
74	100		
45	105.3	51.5	154.5



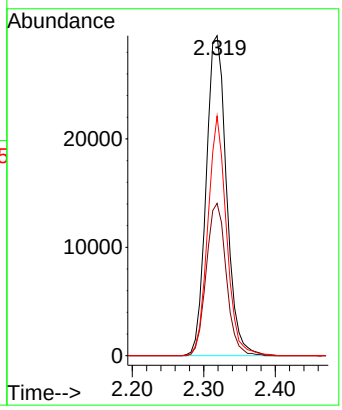


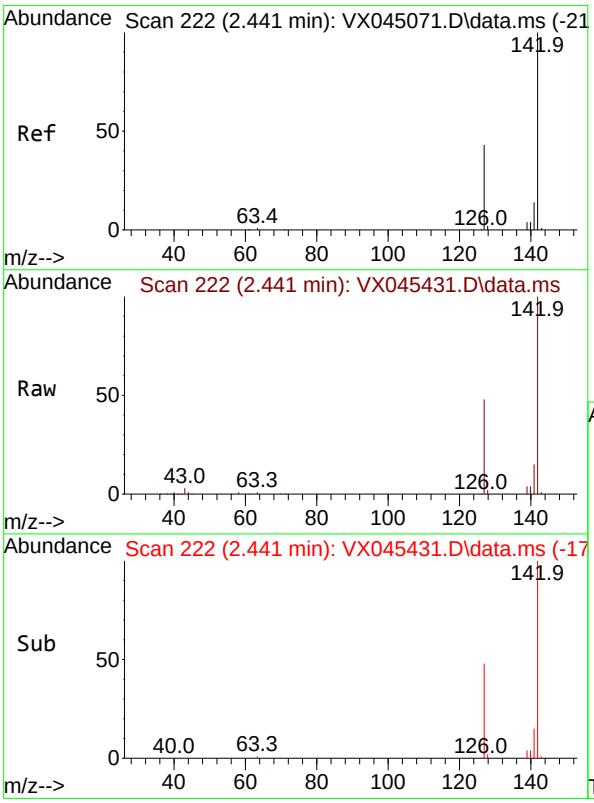
#9
1,1,2-Trichlorotrifluoroethane
Concen: 60.165 ug/l
RT: 2.319 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX045431.D
Acq: 25 Mar 2025 11:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 58221

Ion	Ratio	Lower	Upper
101	100		
85	47.0	36.2	54.4
151	68.9	56.4	84.6

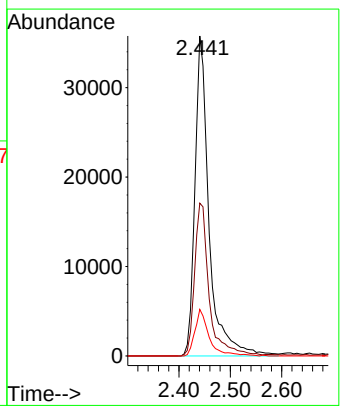


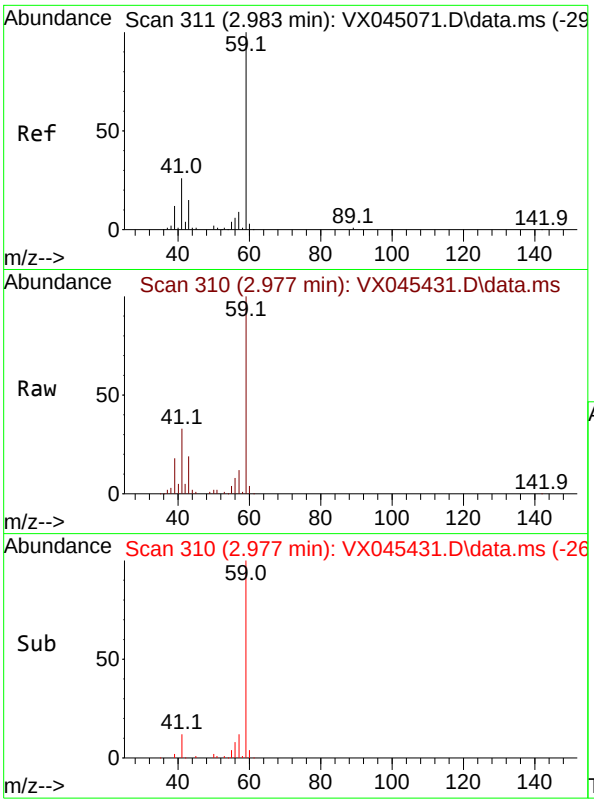


#10
Methyl Iodide
Concen: 56.637 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX045431.D
Acq: 25 Mar 2025 11:31

Tgt Ion:142 Resp: 68492

Ion	Ratio	Lower	Upper
142	100		
127	49.3	35.4	53.2
141	14.6	11.6	17.4



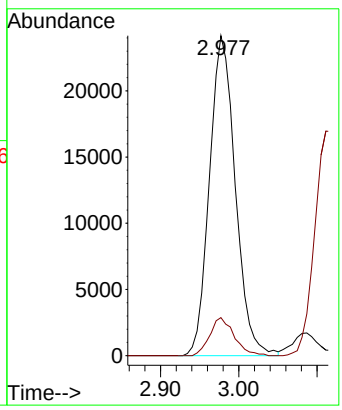


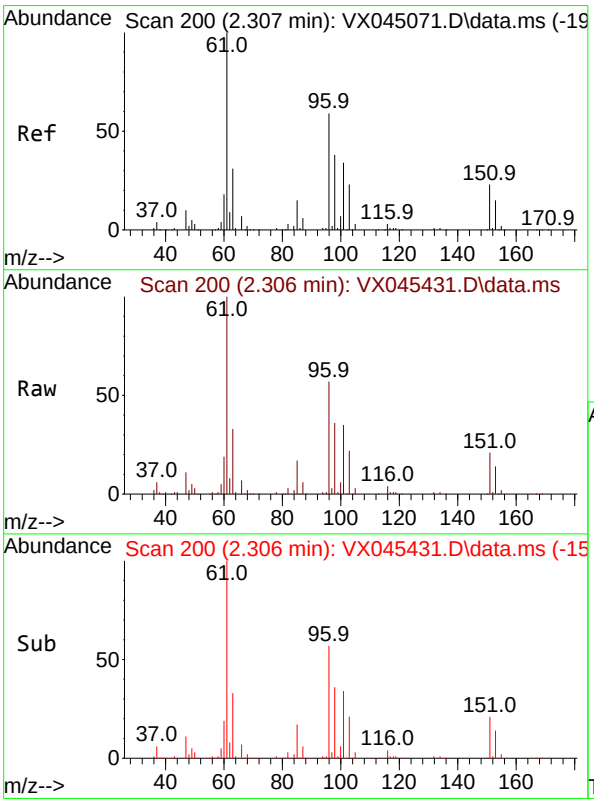
#11
Tert butyl alcohol
Concen: 221.277 ug/l
RT: 2.977 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045431.D
Acq: 25 Mar 2025 11:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 59 Resp: 55509

Ion	Ratio	Lower	Upper
59	100		
57	11.2	7.8	11.8

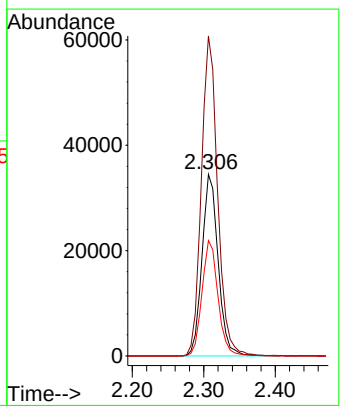


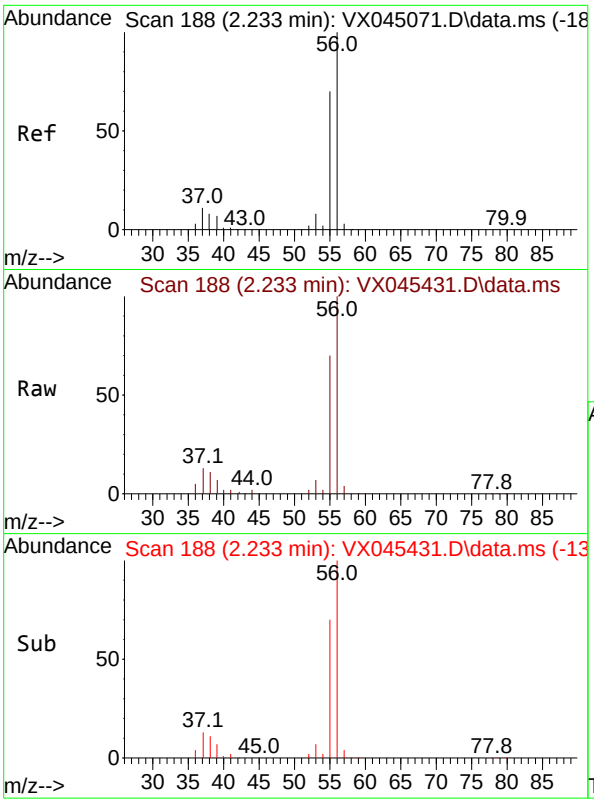


#12
1,1-Dichloroethene
Concen: 52.997 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX045431.D
Acq: 25 Mar 2025 11:31

Tgt Ion: 96 Resp: 54221

Ion	Ratio	Lower	Upper
96	100		
61	176.2	134.6	202.0
98	63.6	51.0	76.6



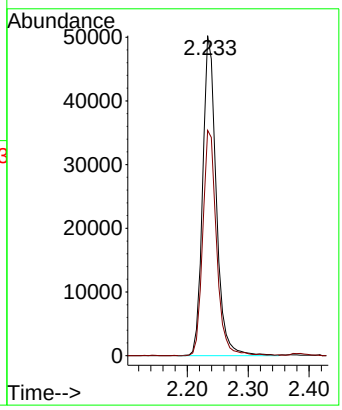


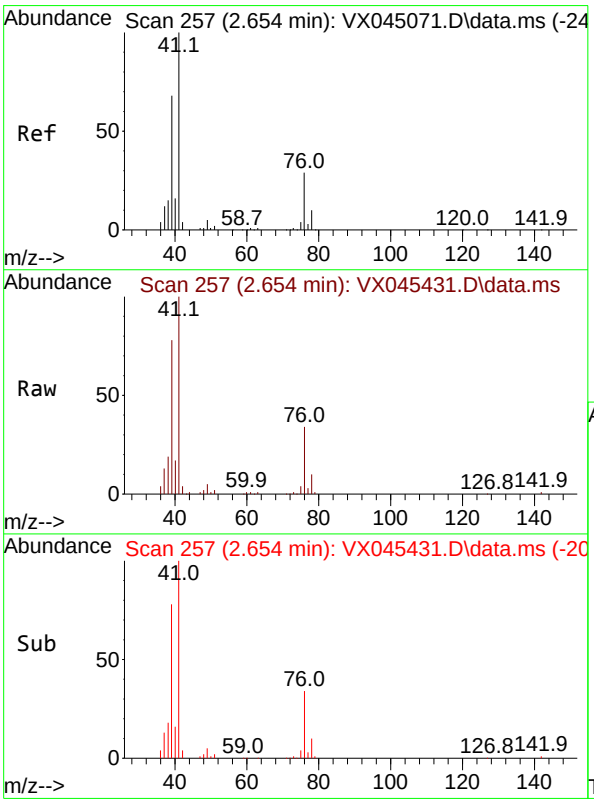
#13
Acrolein
Concen: 268.391 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045431.D
Acq: 25 Mar 2025 11:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 56 Resp: 77829

Ion	Ratio	Lower	Upper
56	100		
55	71.6	56.2	84.4

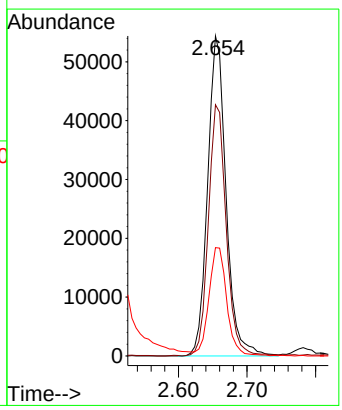


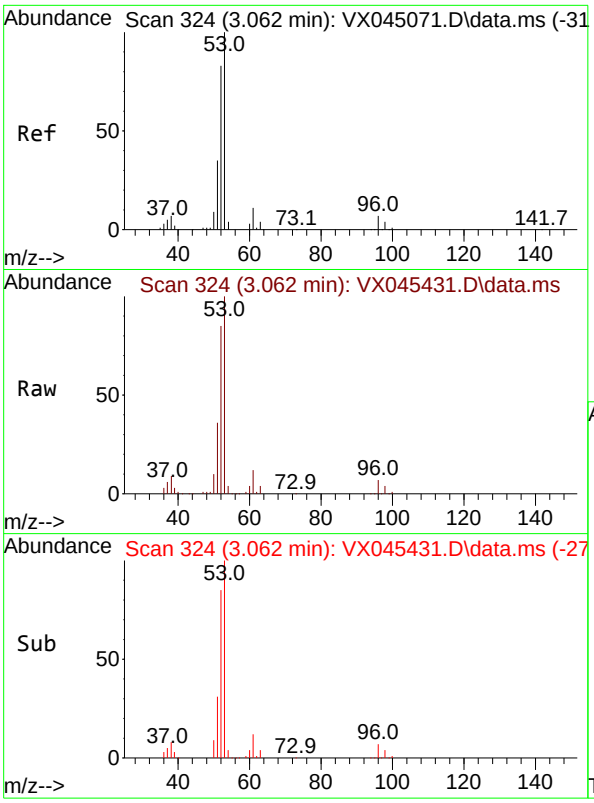


#14
Allyl chloride
Concen: 55.879 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX045431.D
Acq: 25 Mar 2025 11:31

Tgt Ion: 41 Resp: 101764

Ion	Ratio	Lower	Upper
41	100		
39	76.0	53.8	80.8
76	32.7	25.2	37.8



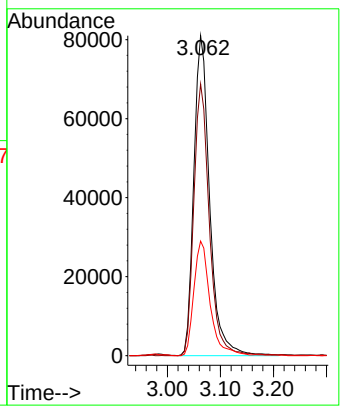


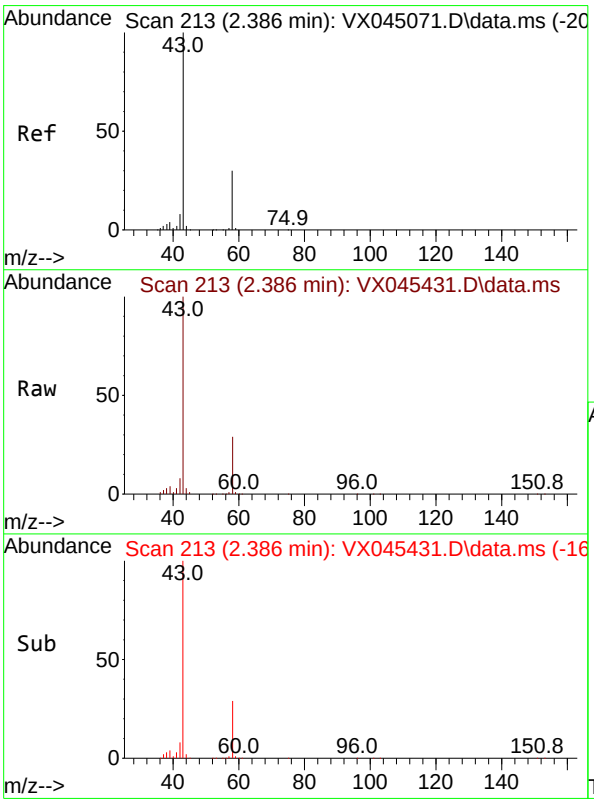
#15
Acrylonitrile
Concen: 250.432 ug/l
RT: 3.062 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045431.D
Acq: 25 Mar 2025 11:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 53 Resp: 168372

Ion	Ratio	Lower	Upper
53	100		
52	83.2	66.2	99.2
51	36.6	29.0	43.4

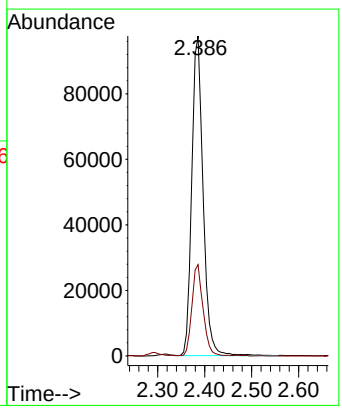


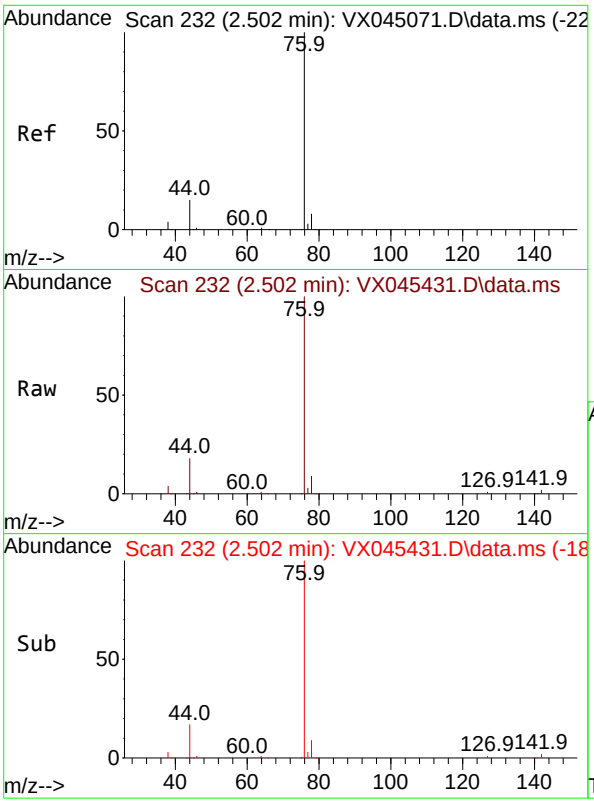


#16
Acetone
Concen: 267.080 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX045431.D
Acq: 25 Mar 2025 11:31

Tgt Ion: 43 Resp: 164112

Ion	Ratio	Lower	Upper
43	100		
58	28.6	24.2	36.4



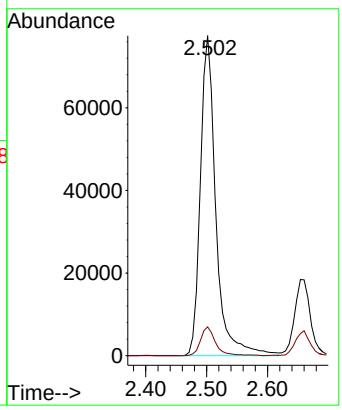


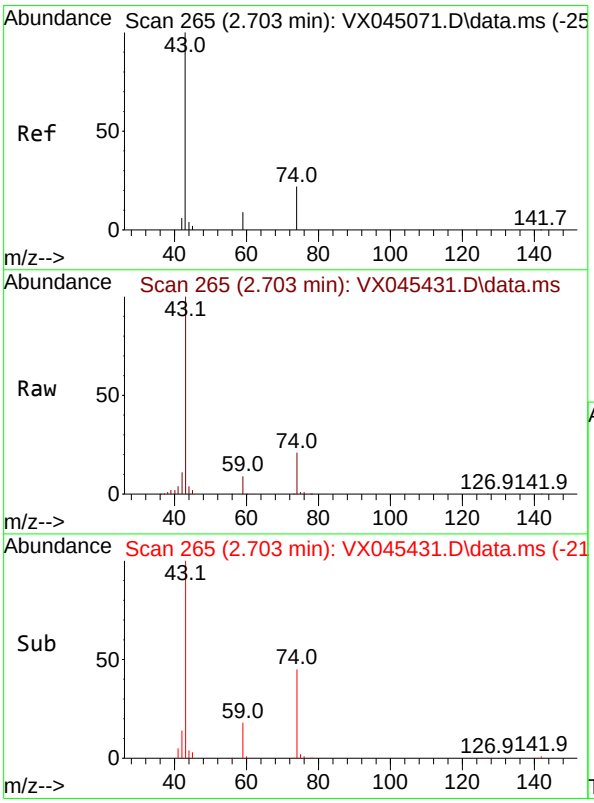
#17
Carbon Disulfide
Concen: 50.201 ug/l
RT: 2.502 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045431.D
Acq: 25 Mar 2025 11:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 136796

Ion	Ratio	Lower	Upper
76	100		
78	9.0	6.6	9.8

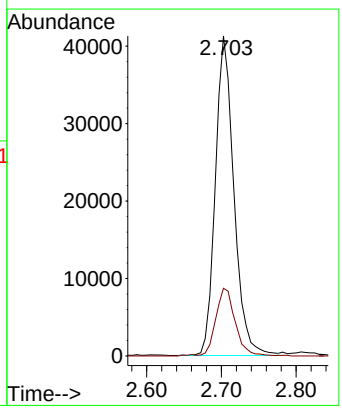


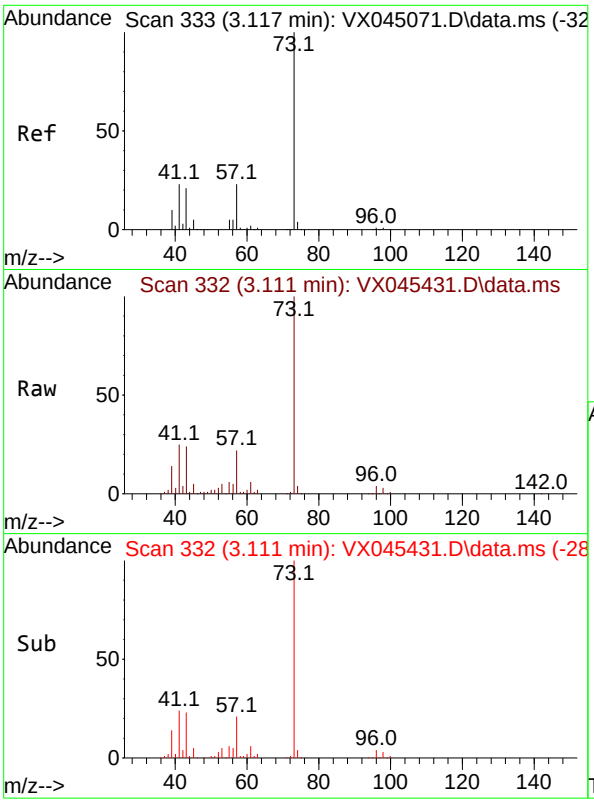


#18
Methyl Acetate
Concen: 48.227 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX045431.D
Acq: 25 Mar 2025 11:31

Tgt Ion: 43 Resp: 71289

Ion	Ratio	Lower	Upper
43	100		
74	22.4	17.4	26.2



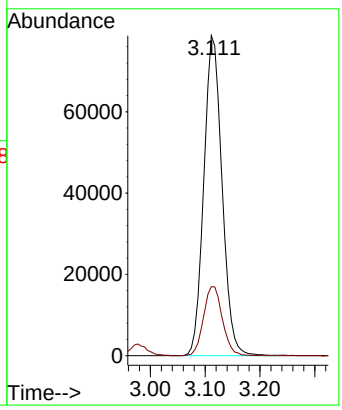


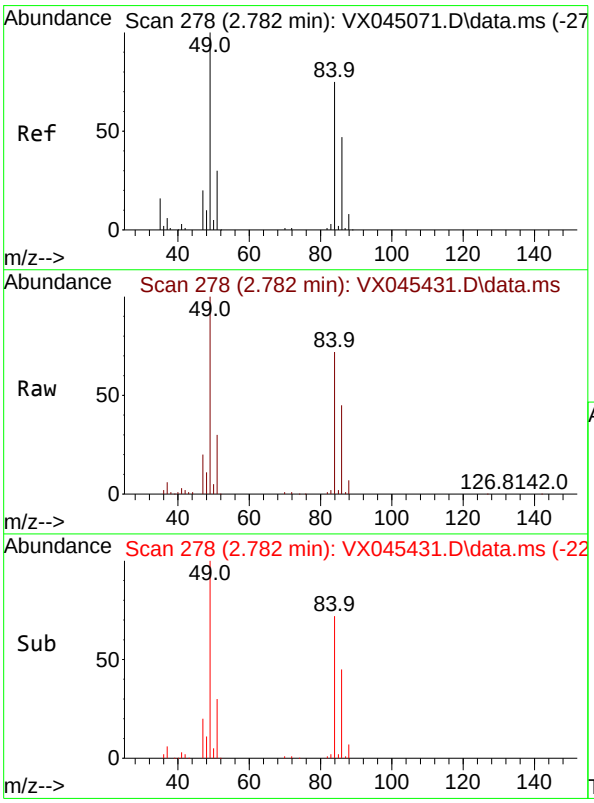
#19
Methyl tert-butyl Ether
Concen: 52.888 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045431.D
Acq: 25 Mar 2025 11:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 73 Resp: 181535

Ion	Ratio	Lower	Upper
73	100		
57	21.6	18.5	27.7

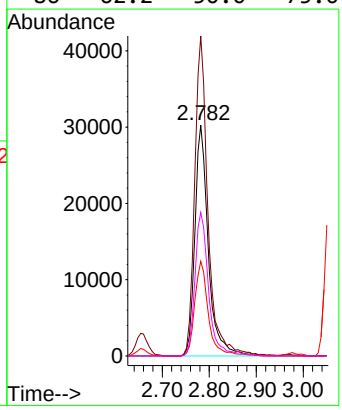


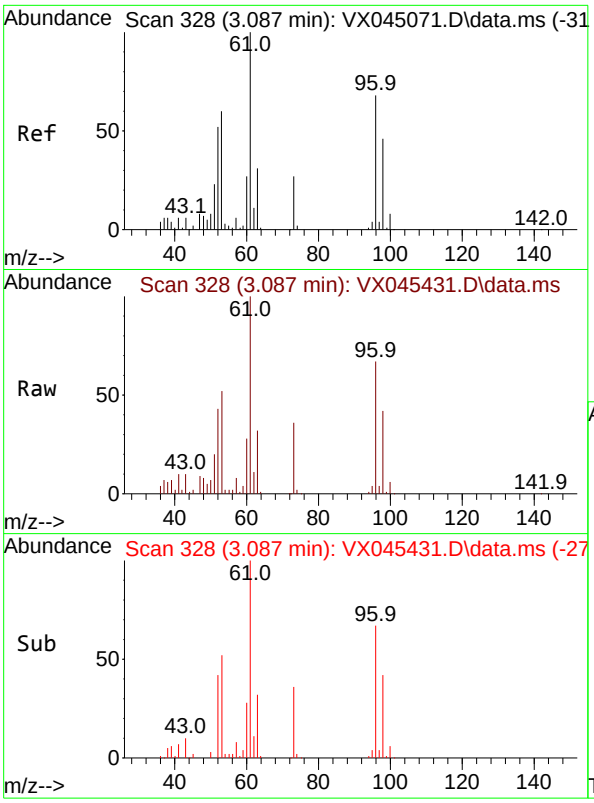


#20
Methylene Chloride
Concen: 49.864 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX045431.D
Acq: 25 Mar 2025 11:31

Tgt Ion: 84 Resp: 60694

Ion	Ratio	Lower	Upper
84	100		
49	138.7	106.5	159.7
51	41.1	32.1	48.1
86	62.2	50.0	75.0



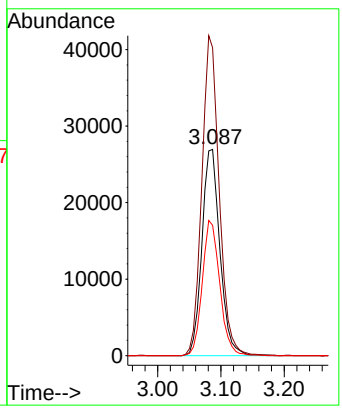


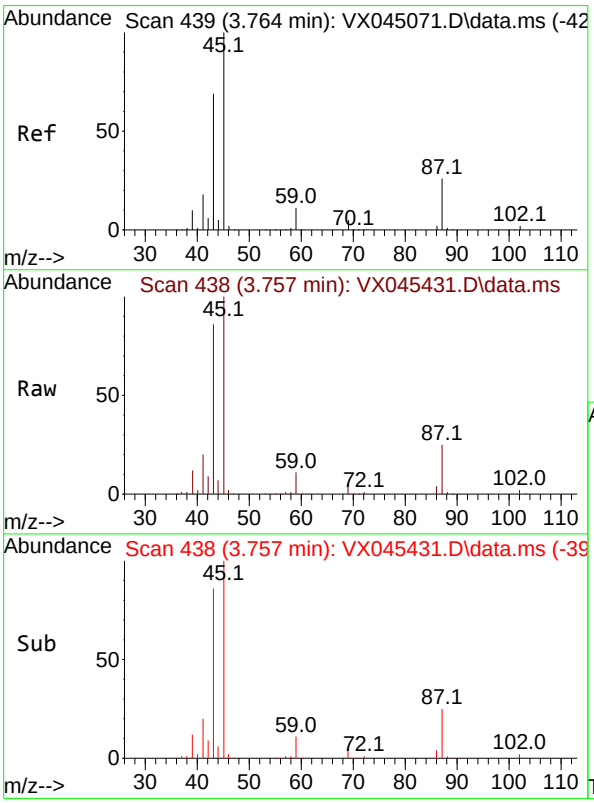
#21
trans-1,2-Dichloroethene
Concen: 52.781 ug/l
RT: 3.087 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045431.D
Acq: 25 Mar 2025 11:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 96 Resp: 53348

Ion	Ratio	Lower	Upper
96	100		
61	149.3	117.0	175.4
98	63.3	53.4	80.2

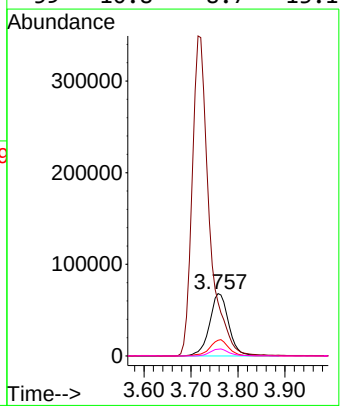


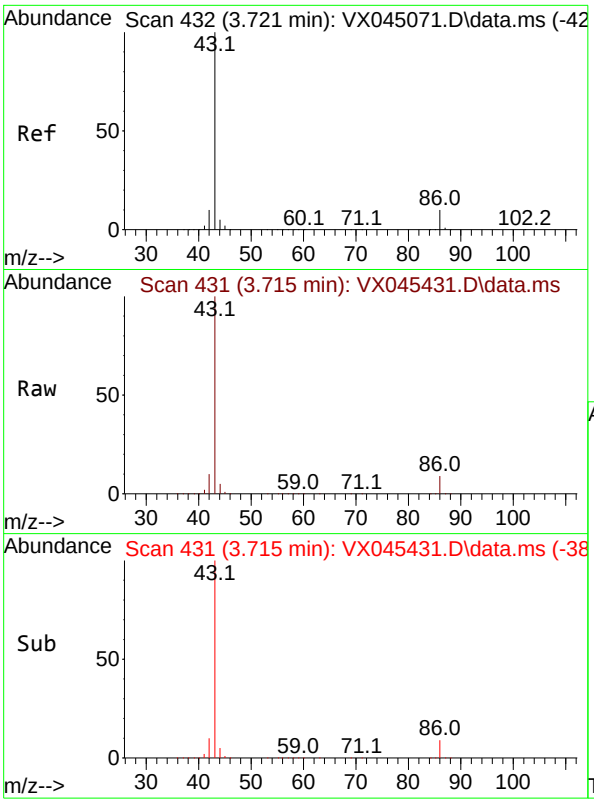


#22
Diisopropyl ether
Concen: 52.066 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.006 min
Lab File: VX045431.D
Acq: 25 Mar 2025 11:31

Tgt Ion: 45 Resp: 192840

Ion	Ratio	Lower	Upper
45	100		
43	85.5	54.9	82.3#
87	25.3	21.0	31.4
59	10.8	8.7	13.1



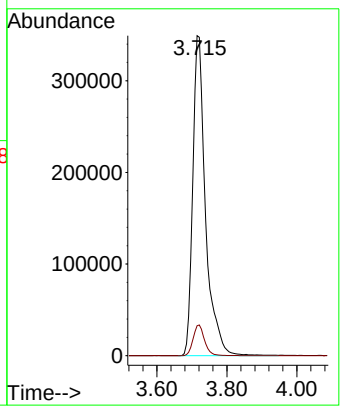


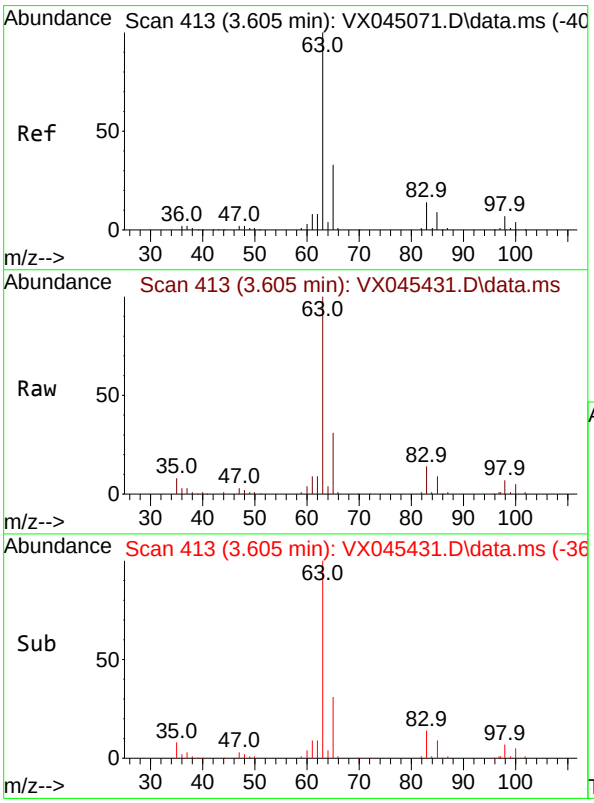
#23
Vinyl Acetate
Concen: 286.525 ug/l
RT: 3.715 min Scan# 4
Delta R.T. -0.006 min
Lab File: VX045431.D
Acq: 25 Mar 2025 11:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 885598

Ion	Ratio	Lower	Upper
43	100		
86	9.4	8.1	12.1

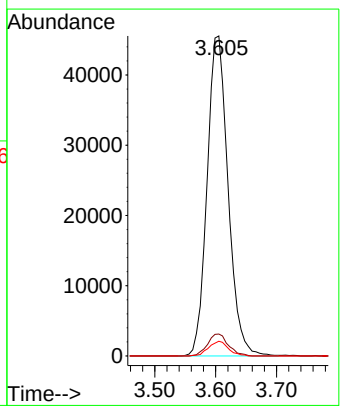


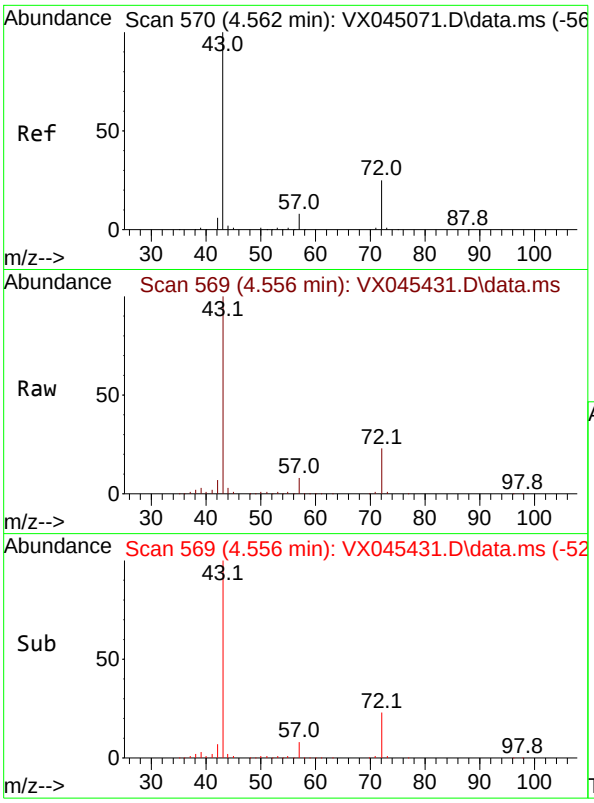


#24
1,1-Dichloroethane
Concen: 52.589 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX045431.D
Acq: 25 Mar 2025 11:31

Tgt Ion: 63 Resp: 109159

Ion	Ratio	Lower	Upper
63	100		
98	6.8	3.4	10.2
100	4.6	2.1	6.5



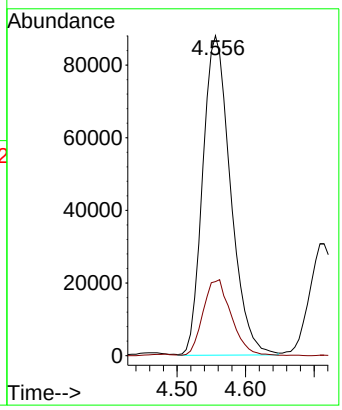


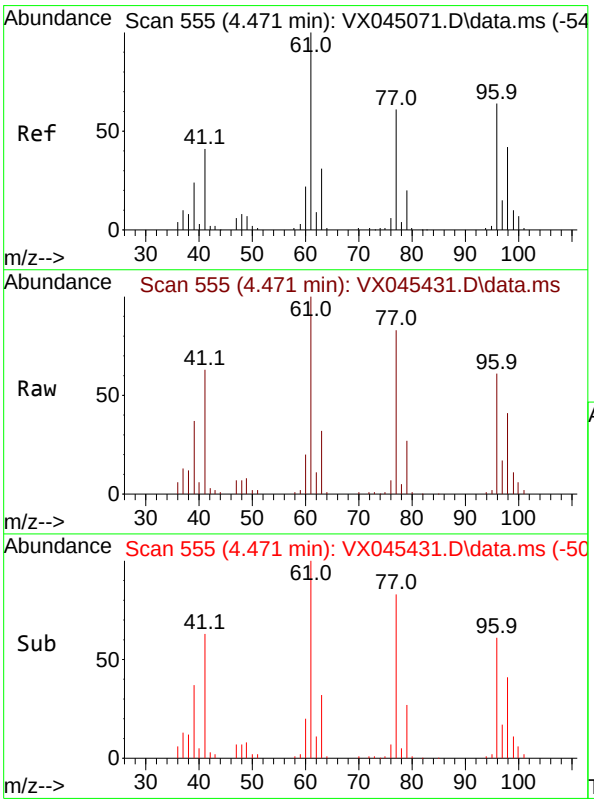
#25
2-Butanone
Concen: 268.225 ug/l
RT: 4.556 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX045431.D
Acq: 25 Mar 2025 11:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 248088

Ion	Ratio	Lower	Upper
43	100		
72	23.1	20.0	30.0

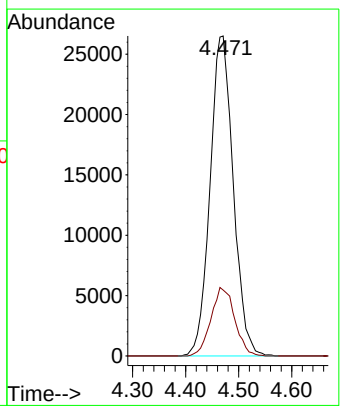


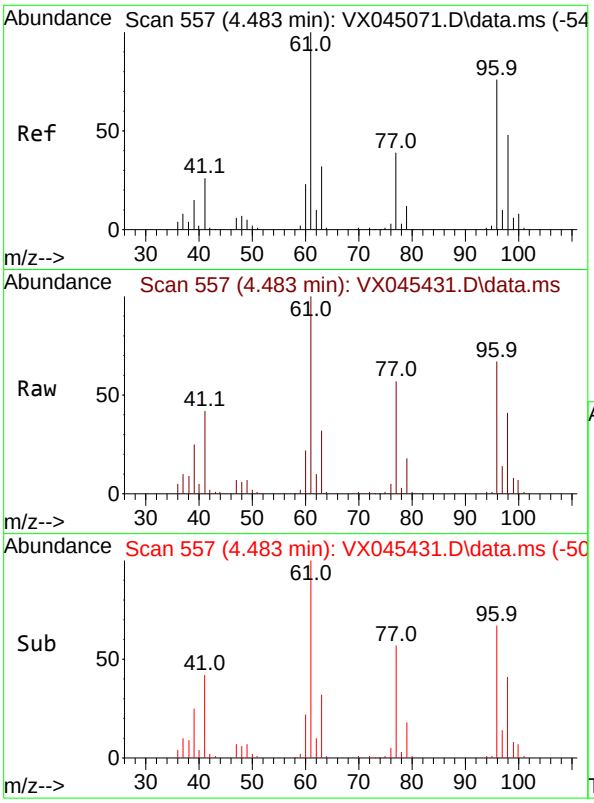


#26
2,2-Dichloropropane
Concen: 82.834 ug/l
RT: 4.471 min Scan# 555
Delta R.T. -0.000 min
Lab File: VX045431.D
Acq: 25 Mar 2025 11:31

Tgt Ion: 77 Resp: 80649

Ion	Ratio	Lower	Upper
77	100		
97	21.8	12.4	37.0



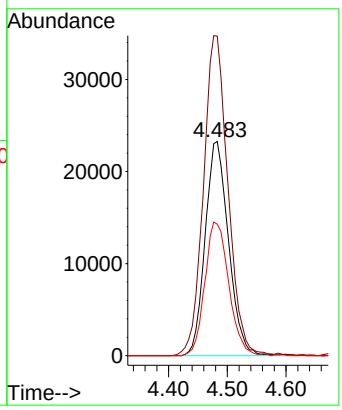


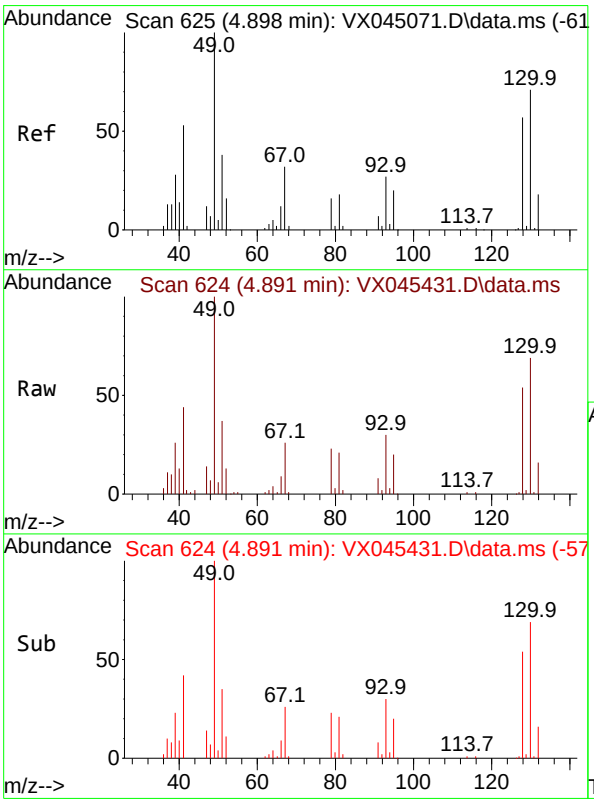
#27
cis-1,2-Dichloroethene
Concen: 51.554 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045431.D
Acq: 25 Mar 2025 11:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 96 Resp: 64325

Ion	Ratio	Lower	Upper
96	100		
61	156.5	0.0	283.2
98	64.0	0.0	128.0

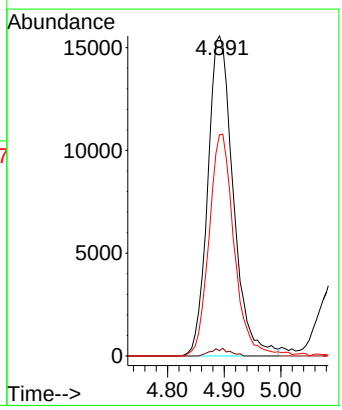


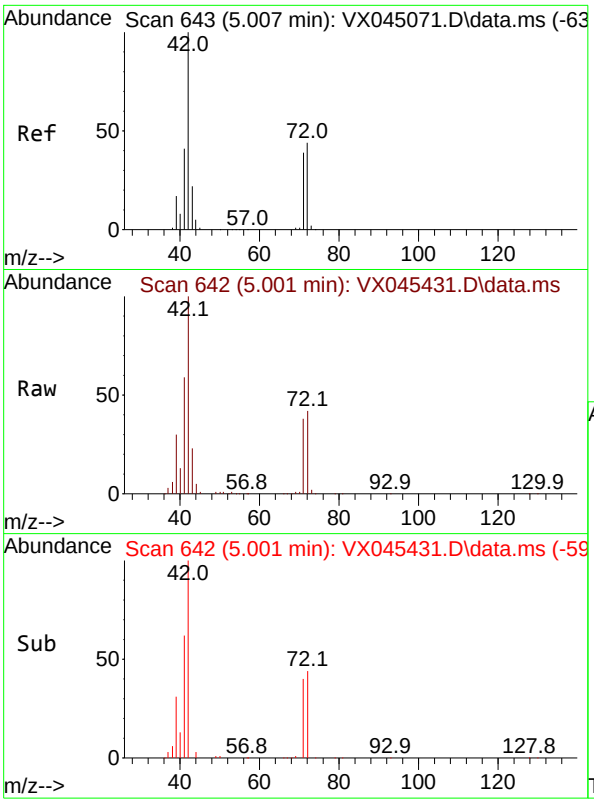


#28
Bromochloromethane
Concen: 49.141 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX045431.D
Acq: 25 Mar 2025 11:31

Tgt Ion: 49 Resp: 48619

Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.4
130	68.3	56.1	84.1



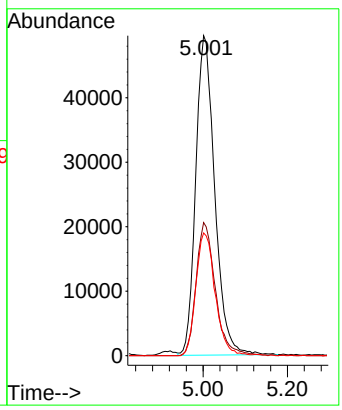


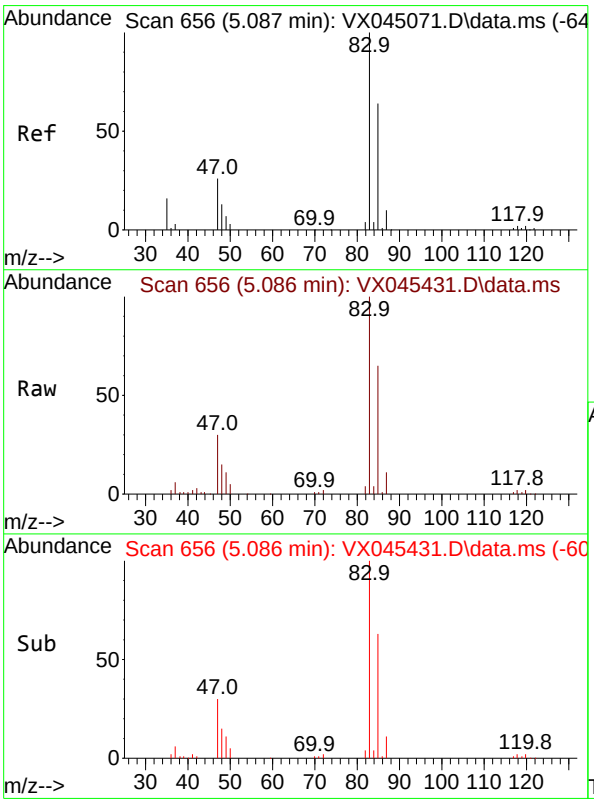
#29
Tetrahydrofuran
Concen: 250.594 ug/l
RT: 5.001 min Scan# 64
Delta R.T. -0.006 min
Lab File: VX045431.D
Acq: 25 Mar 2025 11:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 42 Resp: 155653

Ion	Ratio	Lower	Upper
42	100		
72	42.1	34.1	51.1
71	38.9	31.4	47.0

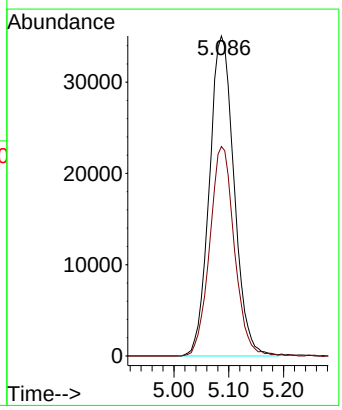


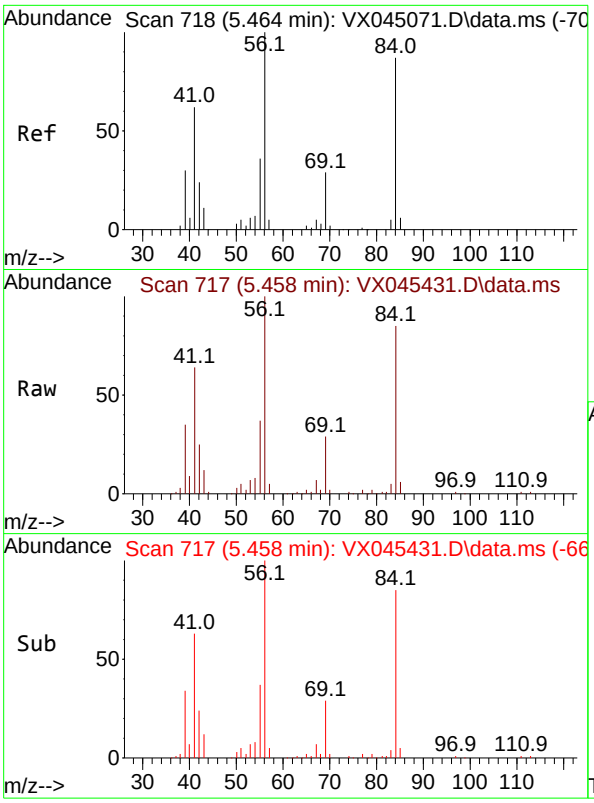


#30
Chloroform
Concen: 53.166 ug/l
RT: 5.086 min Scan# 656
Delta R.T. -0.000 min
Lab File: VX045431.D
Acq: 25 Mar 2025 11:31

Tgt Ion: 83 Resp: 109652

Ion	Ratio	Lower	Upper
83	100		
85	65.4	51.4	77.2



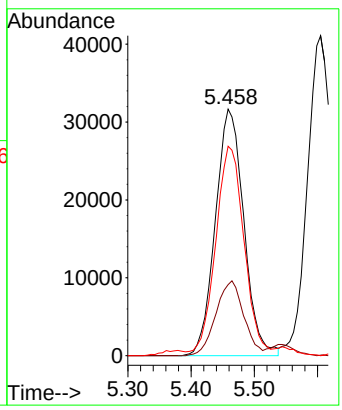


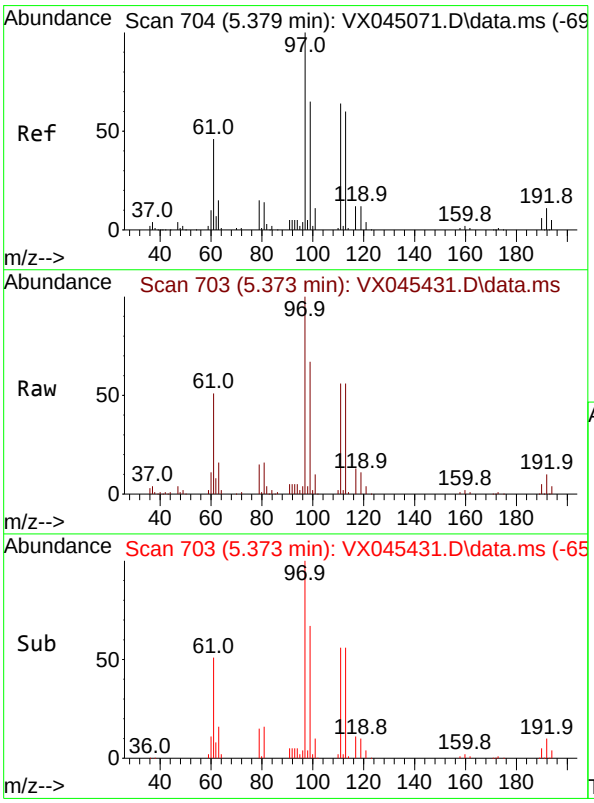
#31
Cyclohexane
Concen: 54.912 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045431.D
Acq: 25 Mar 2025 11:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 56 Resp: 98942

Ion	Ratio	Lower	Upper
56	100		
69	28.8	23.4	35.2
84	82.8	69.4	104.2

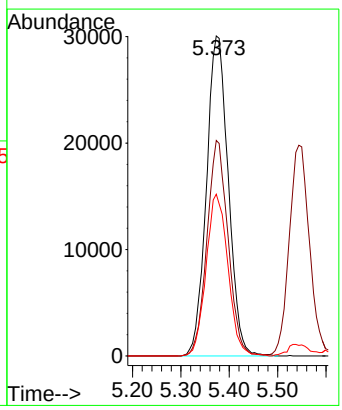


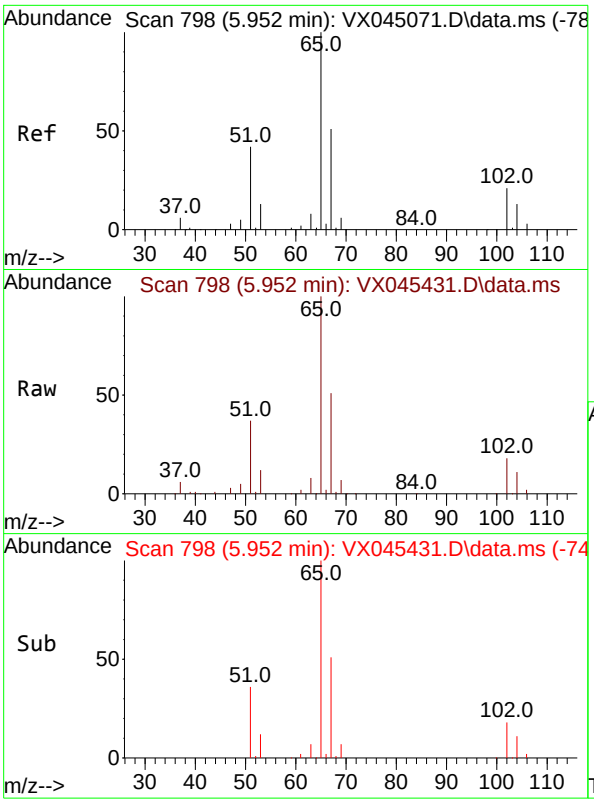


#32
1,1,1-Trichloroethane
Concen: 56.559 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.006 min
Lab File: VX045431.D
Acq: 25 Mar 2025 11:31

Tgt Ion: 97 Resp: 94214

Ion	Ratio	Lower	Upper
97	100		
99	65.0	51.6	77.4
61	50.8	38.4	57.6



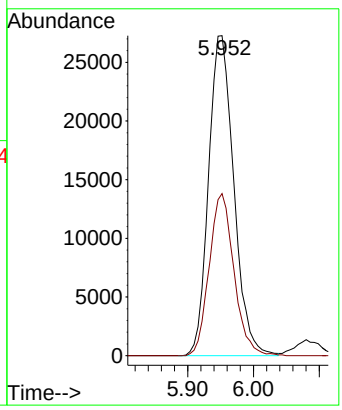


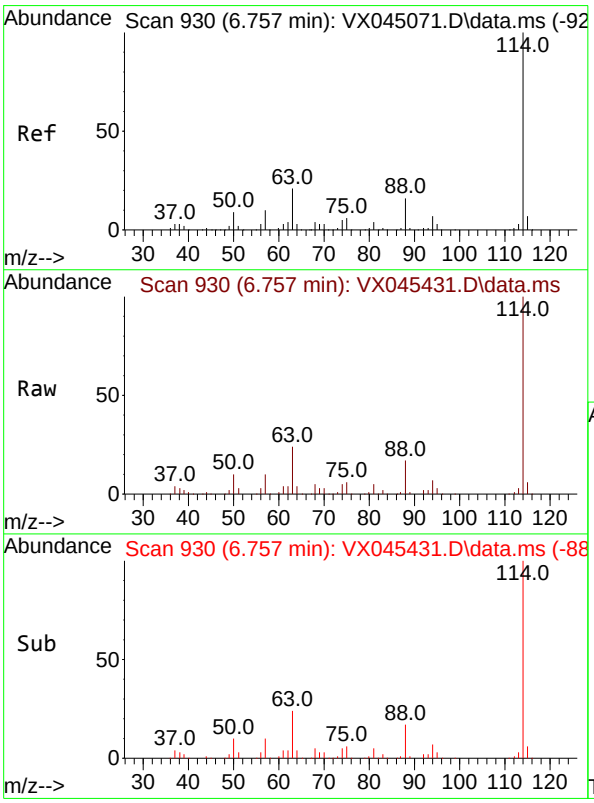
#33
1,2-Dichloroethane-d4
Concen: 55.062 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045431.D
Acq: 25 Mar 2025 11:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 65 Resp: 72923

Ion	Ratio	Lower	Upper
65	100		
67	49.7	0.0	106.2

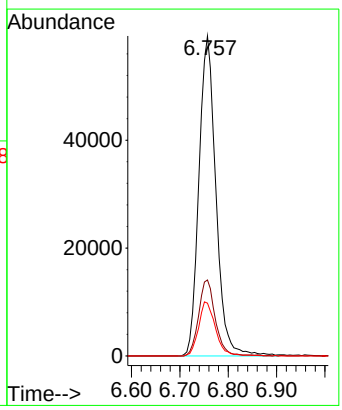


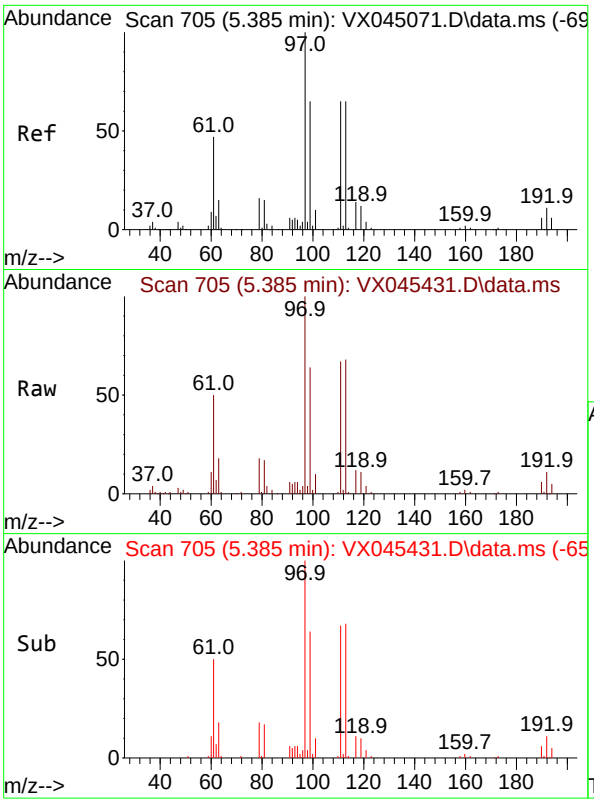


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX045431.D
Acq: 25 Mar 2025 11:31

Tgt Ion:114 Resp: 144945

Ion	Ratio	Lower	Upper
114	100		
63	23.7	0.0	41.8
88	16.5	0.0	32.8



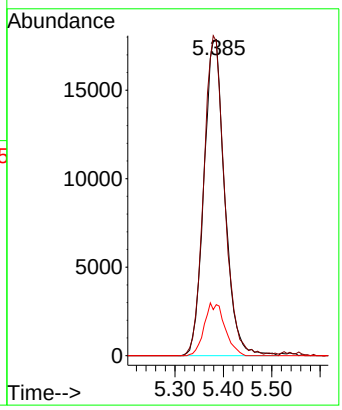


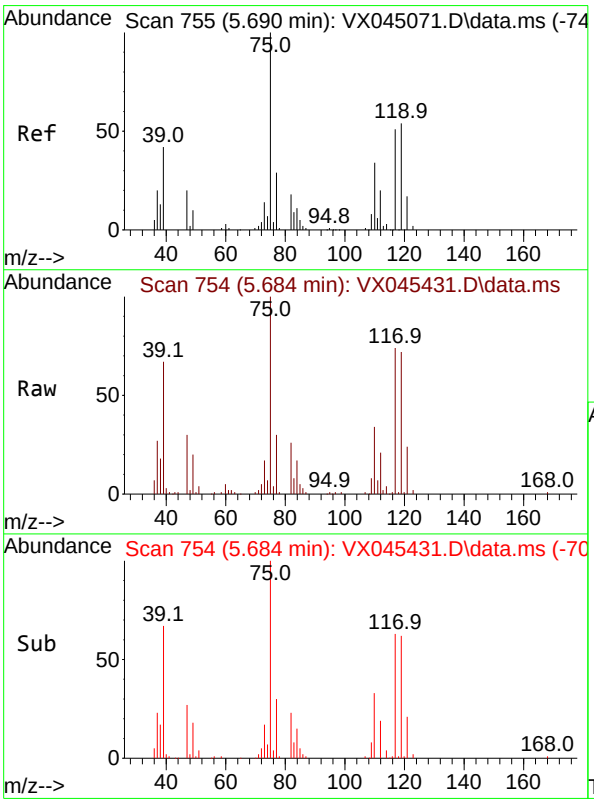
#35
Dibromofluoromethane
Concen: 54.975 ug/l
RT: 5.385 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045431.D
Acq: 25 Mar 2025 11:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:113 Resp: 53282

Ion	Ratio	Lower	Upper
113	100		
111	100.8	81.8	122.6
192	16.6	14.3	21.5

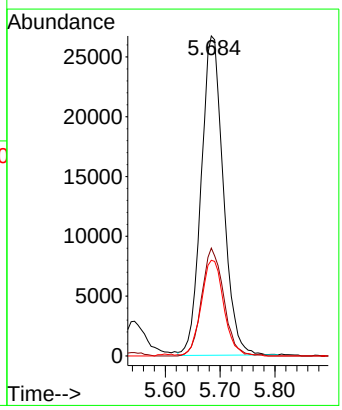


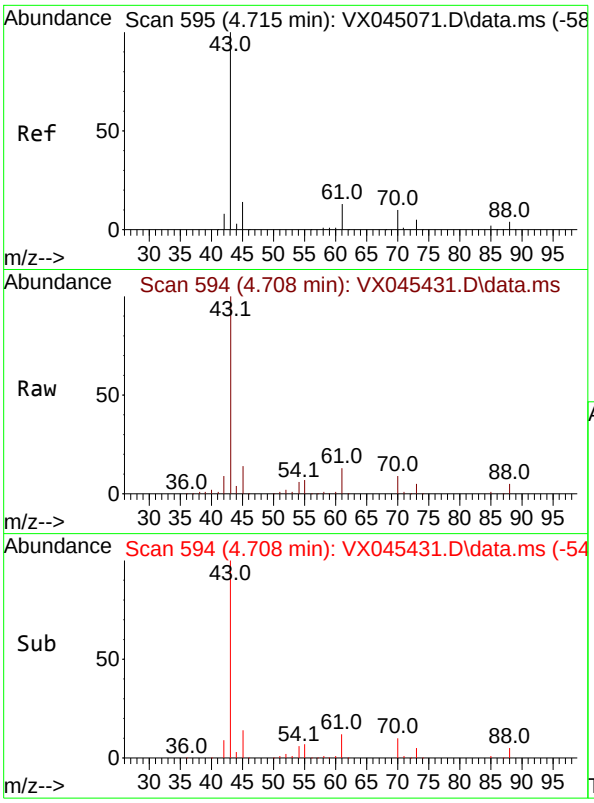


#36
1,1-Dichloropropene
Concen: 56.139 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX045431.D
Acq: 25 Mar 2025 11:31

Tgt Ion: 75 Resp: 74619

Ion	Ratio	Lower	Upper
75	100		
110	33.5	16.9	50.6
77	30.7	24.5	36.7



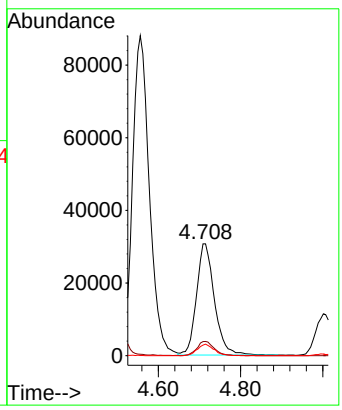


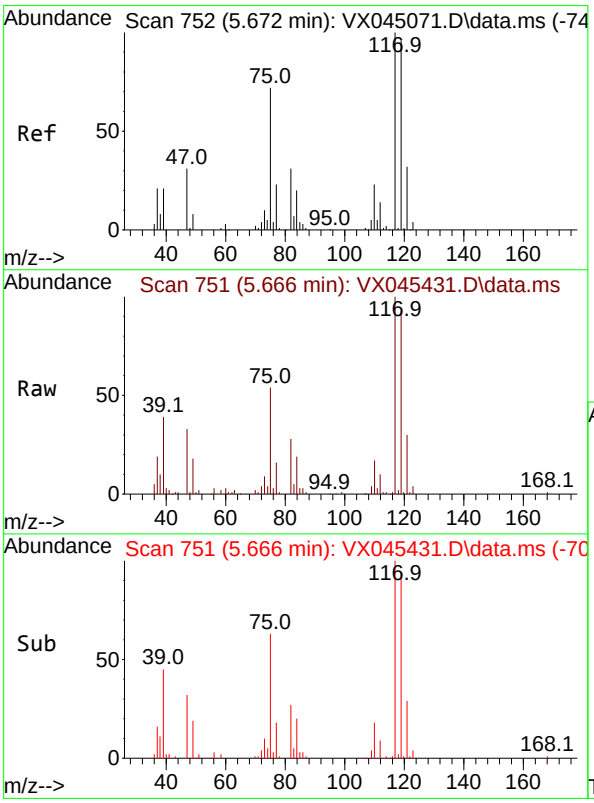
#37
Ethyl Acetate
Concen: 54.162 ug/l
RT: 4.708 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX045431.D
Acq: 25 Mar 2025 11:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 92765

Ion	Ratio	Lower	Upper
43	100		
61	12.4	10.8	16.2
70	9.6	7.7	11.5

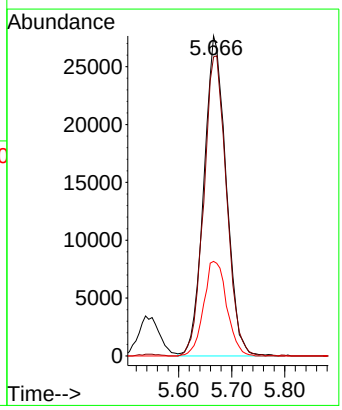


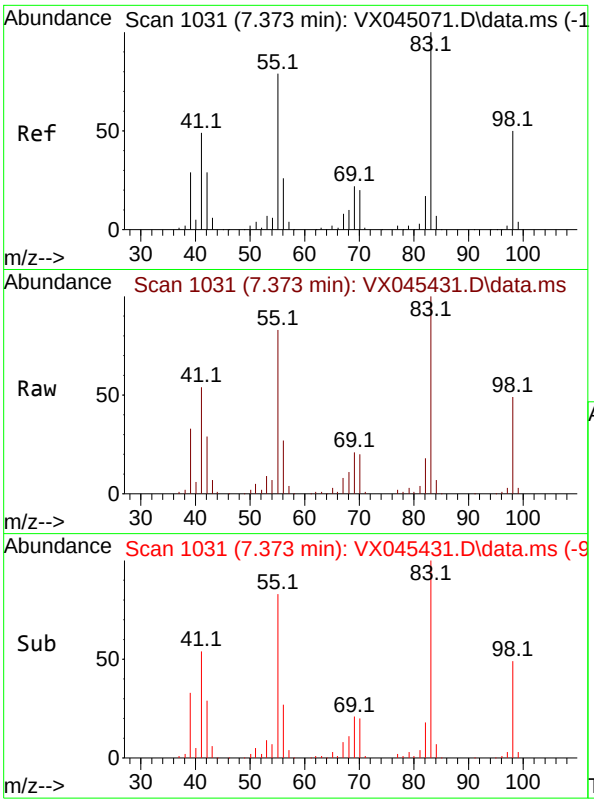


#38
Carbon Tetrachloride
Concen: 59.885 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX045431.D
Acq: 25 Mar 2025 11:31

Tgt Ion:117 Resp: 80811

Ion	Ratio	Lower	Upper
117	100		
119	93.4	76.7	115.1
121	29.6	25.5	38.3



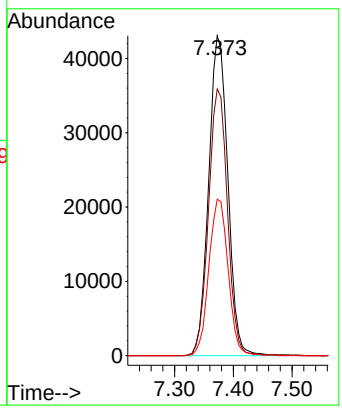


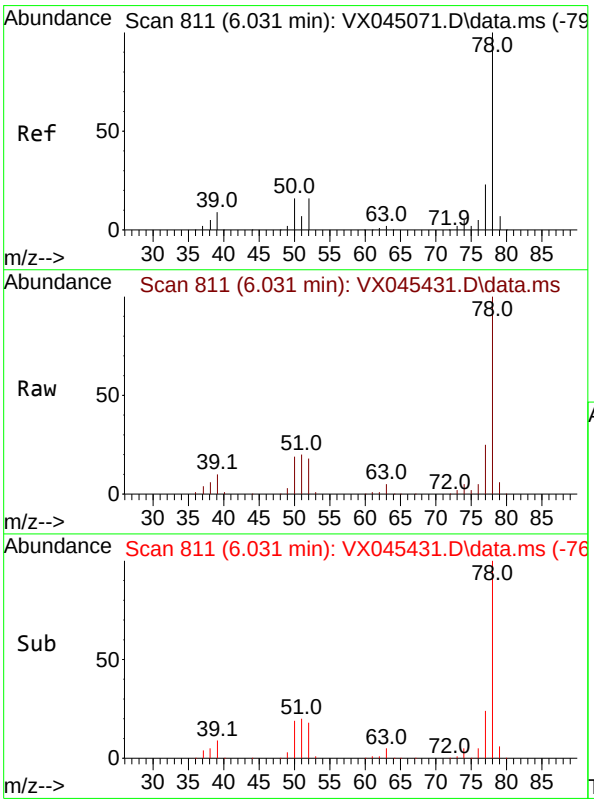
#39
Methylcyclohexane
Concen: 61.319 ug/l
RT: 7.373 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045431.D
Acq: 25 Mar 2025 11:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 97660

Ion	Ratio	Lower	Upper
83	100		
55	83.3	63.0	94.4
98	48.9	39.7	59.5

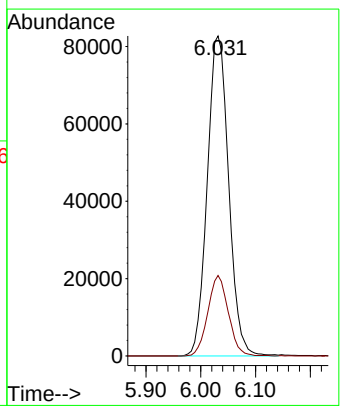


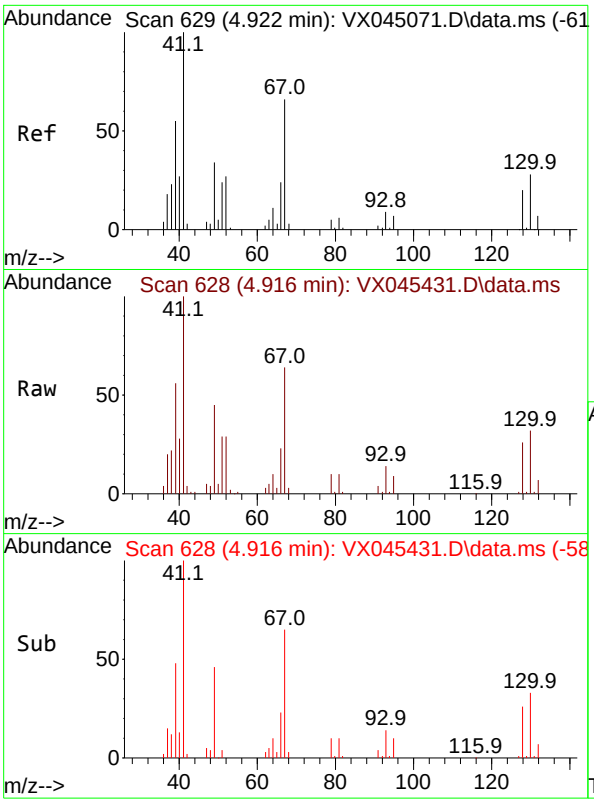


#40
Benzene
Concen: 53.428 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX045431.D
Acq: 25 Mar 2025 11:31

Tgt Ion: 78 Resp: 224248

Ion	Ratio	Lower	Upper
78	100		
77	25.2	18.8	28.2



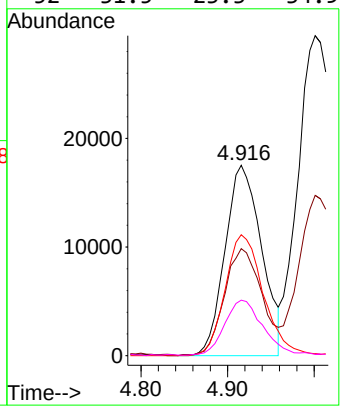


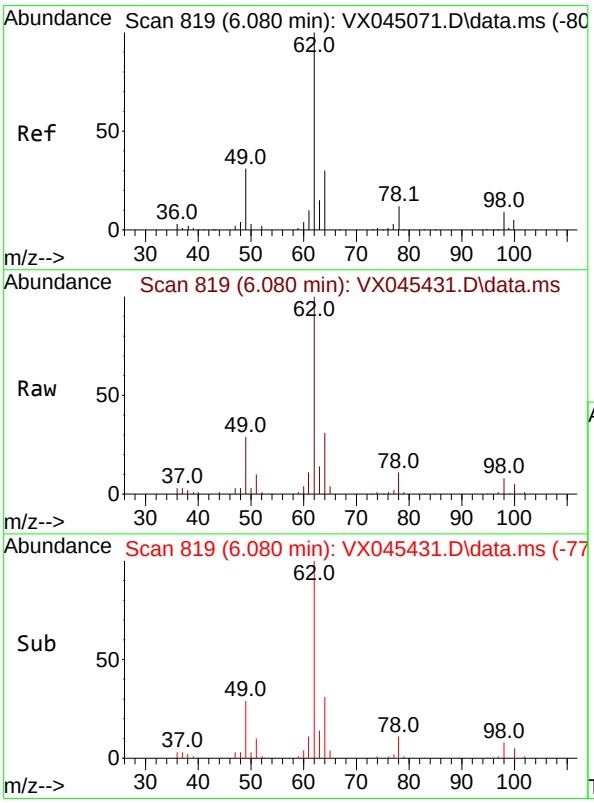
#41
Methacrylonitrile
Concen: 55.689 ug/l
RT: 4.916 min Scan# 6
Delta R.T. -0.006 min
Lab File: VX045431.D
Acq: 25 Mar 2025 11:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 41 Resp: 51574

Ion	Ratio	Lower	Upper
41	100		
39	57.7	44.6	67.0
67	66.2	53.9	80.9
52	31.5	23.3	34.9

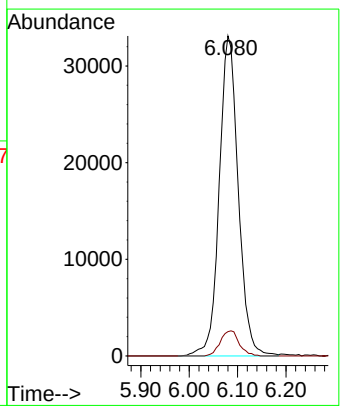


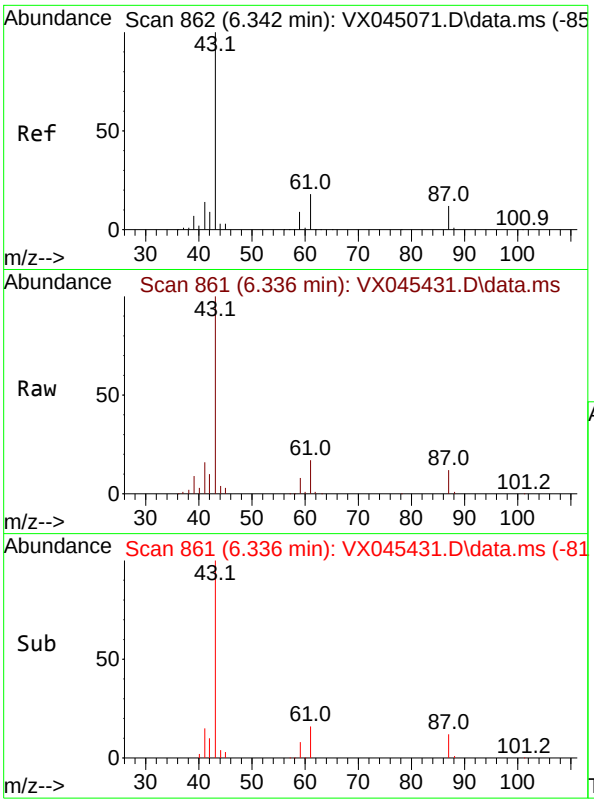


#42
1,2-Dichloroethane
Concen: 59.882 ug/l
RT: 6.080 min Scan# 819
Delta R.T. -0.000 min
Lab File: VX045431.D
Acq: 25 Mar 2025 11:31

Tgt Ion: 62 Resp: 90507

Ion	Ratio	Lower	Upper
62	100		
98	7.8	0.0	18.2



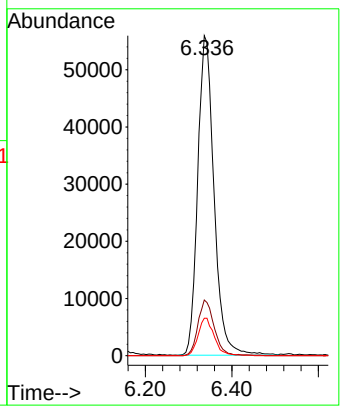


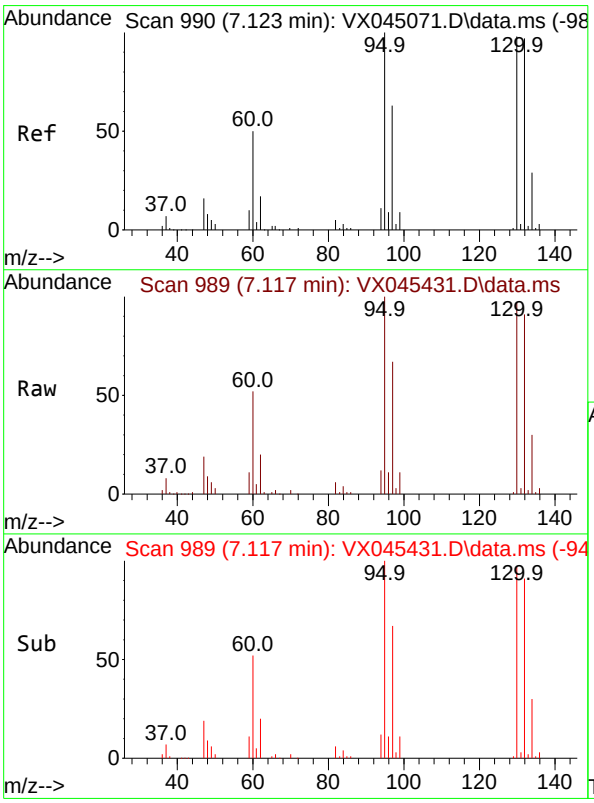
#43
Isopropyl Acetate
Concen: 57.673 ug/l
RT: 6.336 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX045431.D
Acq: 25 Mar 2025 11:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 146064

Ion	Ratio	Lower	Upper
43	100		
61	17.4	14.9	22.3
87	11.6	9.4	14.2

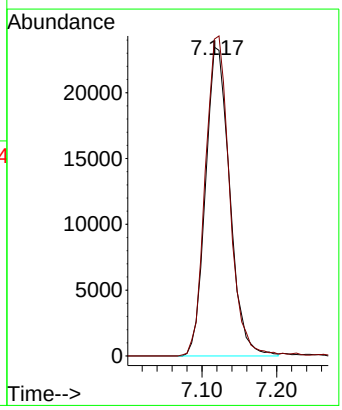


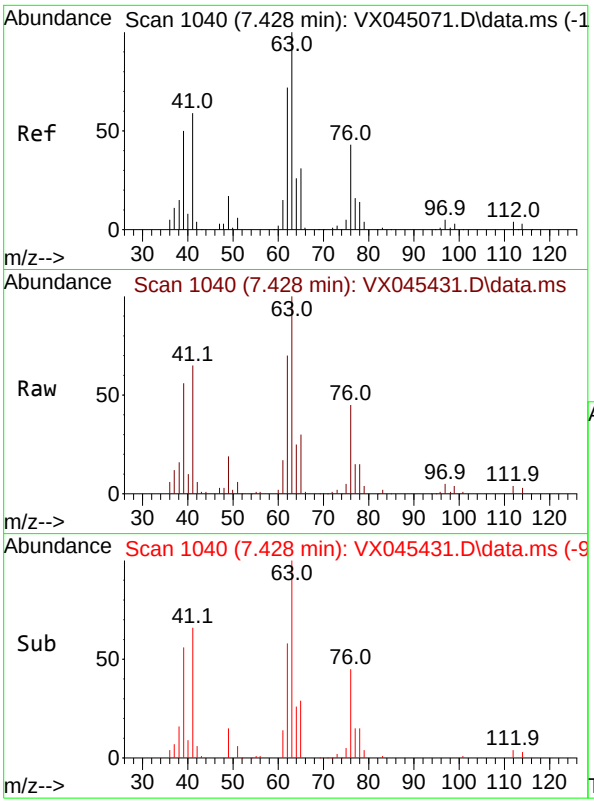


#44
Trichloroethene
Concen: 53.617 ug/l
RT: 7.117 min Scan# 989
Delta R.T. -0.006 min
Lab File: VX045431.D
Acq: 25 Mar 2025 11:31

Tgt Ion:130 Resp: 52842

Ion	Ratio	Lower	Upper
130	100		
95	102.6	0.0	205.0



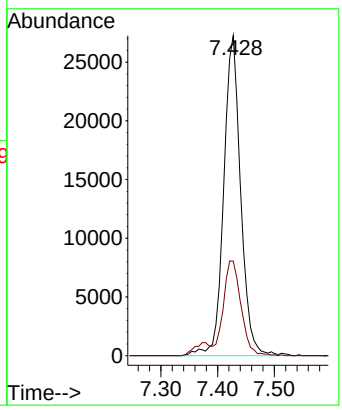


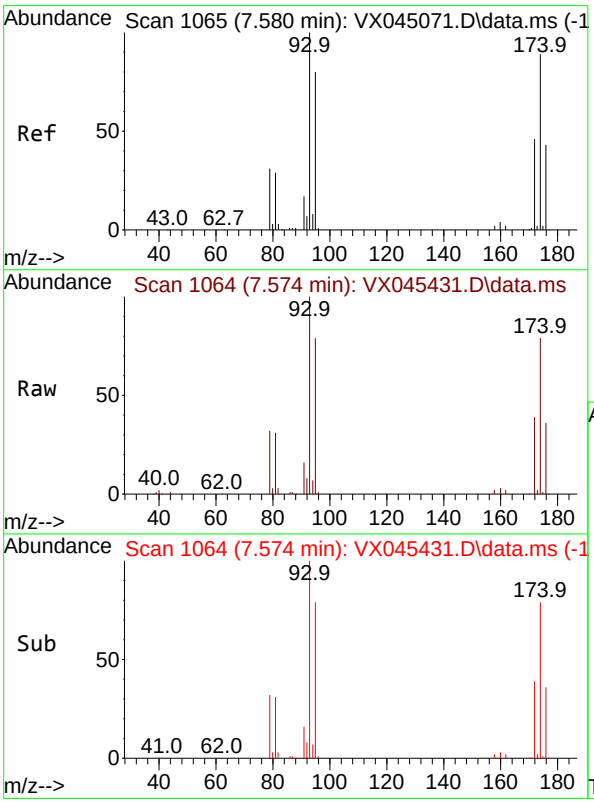
#45
1,2-Dichloropropane
Concen: 52.440 ug/l
RT: 7.428 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045431.D
Acq: 25 Mar 2025 11:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 63 Resp: 56590

Ion	Ratio	Lower	Upper
63	100		
65	29.5	24.7	37.1

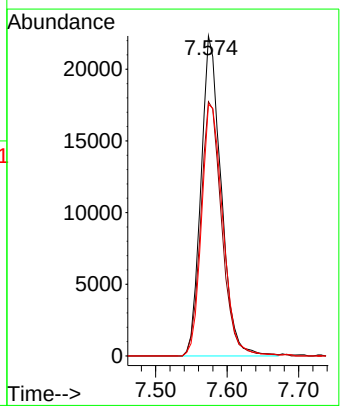


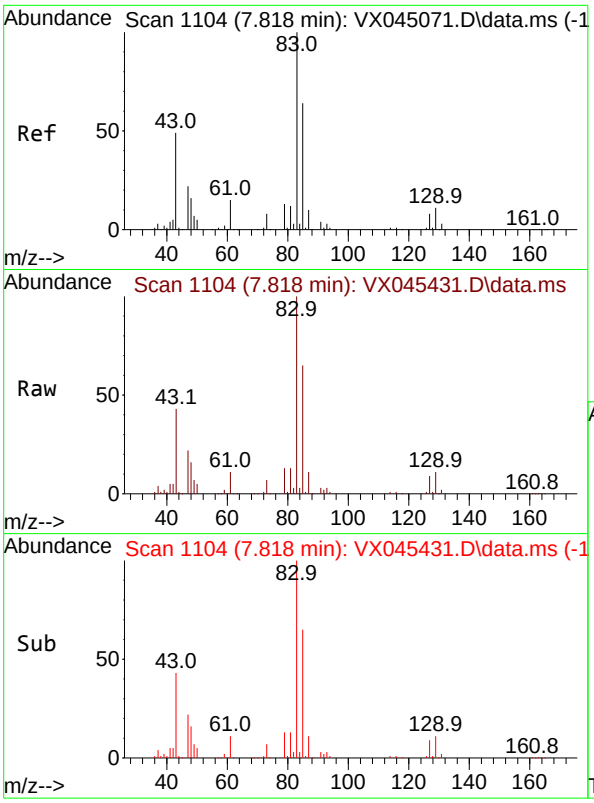


#46
Dibromomethane
Concen: 57.458 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. -0.006 min
Lab File: VX045431.D
Acq: 25 Mar 2025 11:31

Tgt Ion: 93 Resp: 43826

Ion	Ratio	Lower	Upper
93	100		
95	82.5	65.8	98.8
174	82.8	72.2	108.2



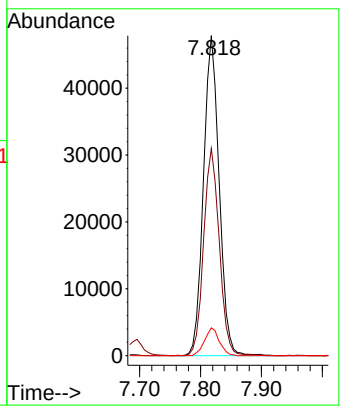


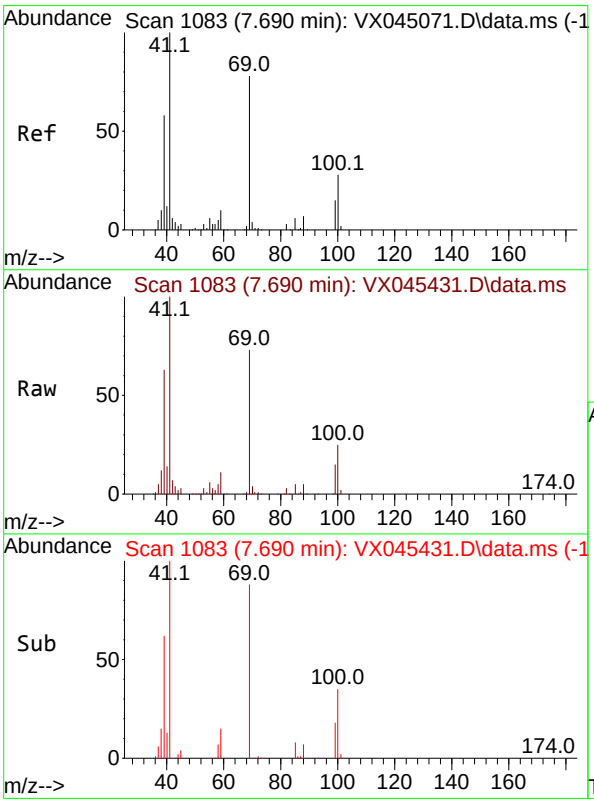
#47
Bromodichloromethane
Concen: 57.282 ug/l
RT: 7.818 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045431.D
Acq: 25 Mar 2025 11:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 85701

Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.1	76.7
127	8.7	6.4	9.6

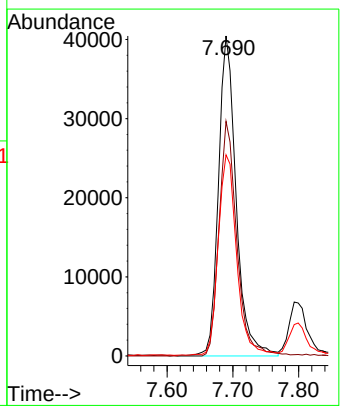


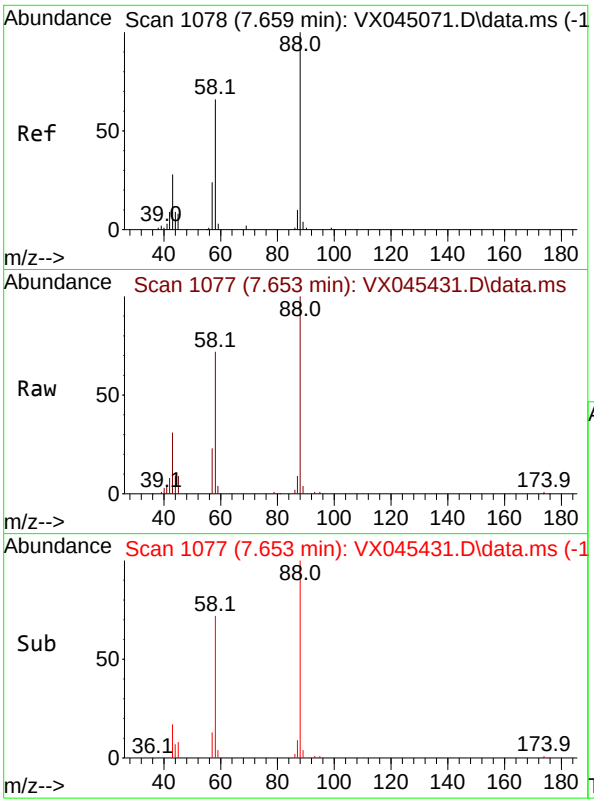


#48
Methyl methacrylate
Concen: 59.672 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. -0.000 min
Lab File: VX045431.D
Acq: 25 Mar 2025 11:31

Tgt Ion: 41 Resp: 75819

Ion	Ratio	Lower	Upper
41	100		
69	73.6	63.0	94.6
39	65.3	47.5	71.3



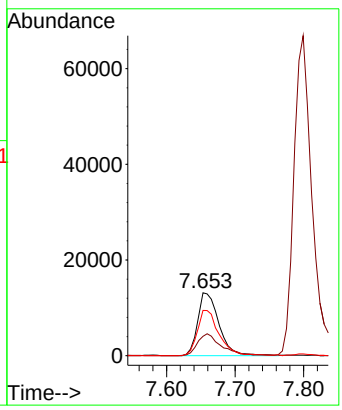


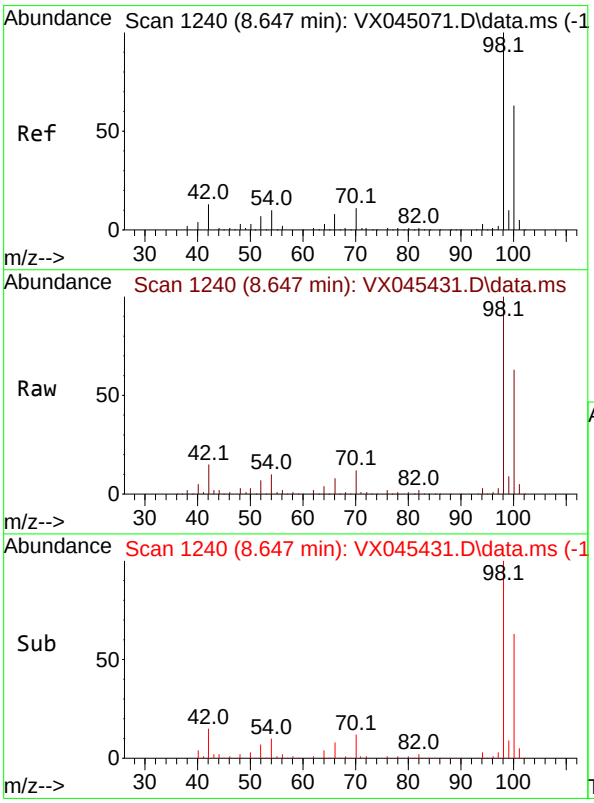
#49
1,4-Dioxane
Concen: 1056.380 ug/l
RT: 7.653 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045431.D
Acq: 25 Mar 2025 11:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 88 Resp: 28313

Ion	Ratio	Lower	Upper
88	100		
43	39.5	28.7	43.1
58	74.1	55.8	83.8

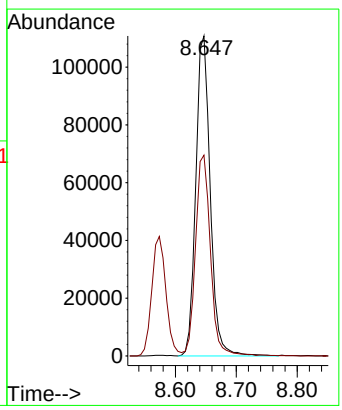


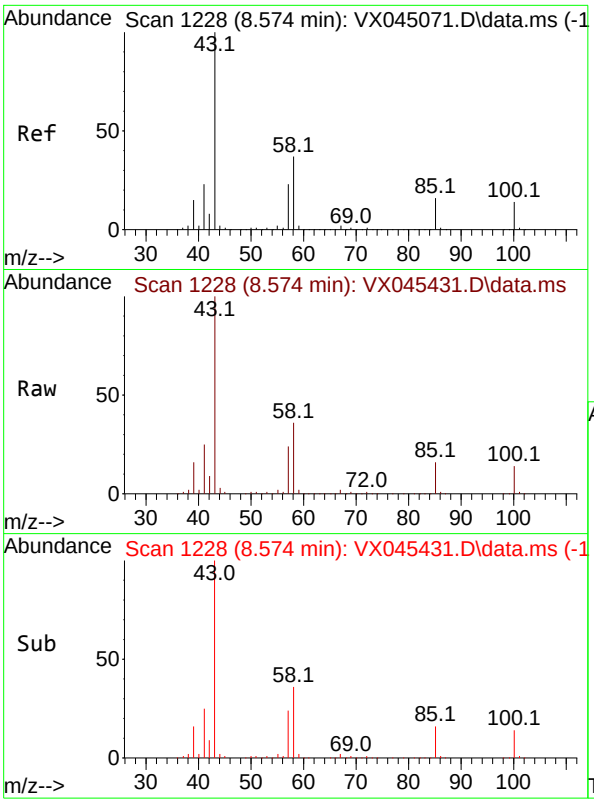


#50
Toluene-d8
Concen: 51.975 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045431.D
Acq: 25 Mar 2025 11:31

Tgt Ion: 98 Resp: 182626

Ion	Ratio	Lower	Upper
98	100		
100	64.6	52.0	78.0



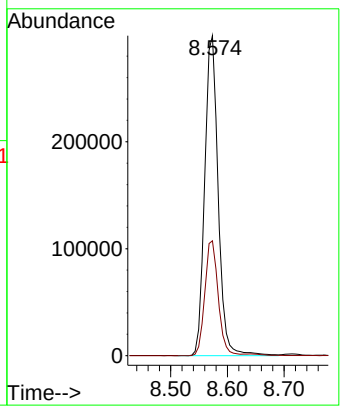


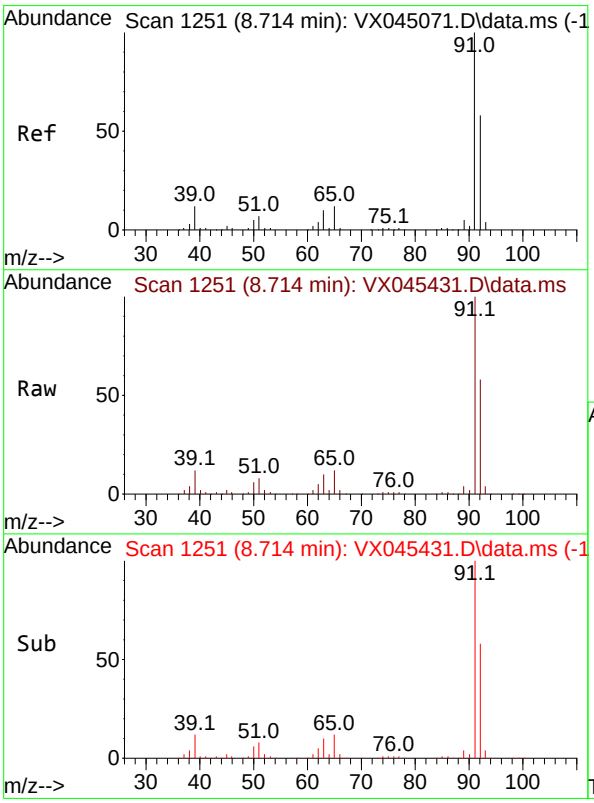
#51
4-Methyl-2-Pentanone
Concen: 290.090 ug/l
RT: 8.574 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045431.D
Acq: 25 Mar 2025 11:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 493305

Ion	Ratio	Lower	Upper
43	100		
58	35.8	29.2	43.8

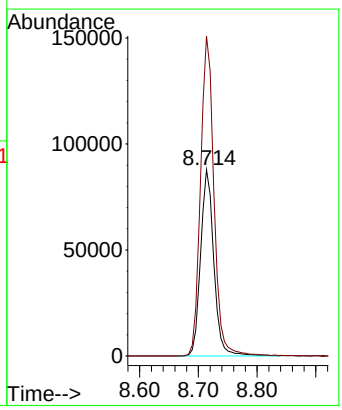


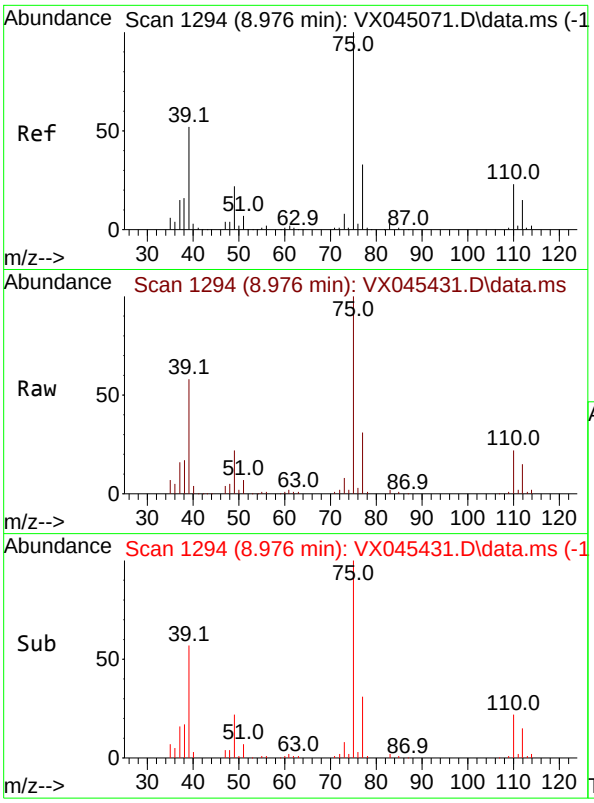


#52
Toluene
Concen: 55.590 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX045431.D
Acq: 25 Mar 2025 11:31

Tgt Ion: 92 Resp: 136895

Ion	Ratio	Lower	Upper
92	100		
91	175.3	138.9	208.3



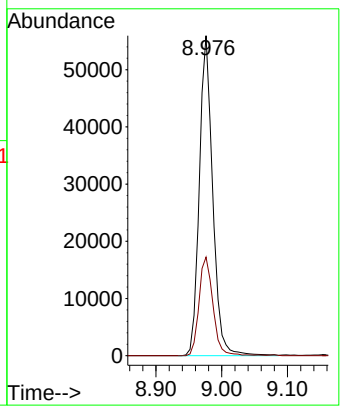


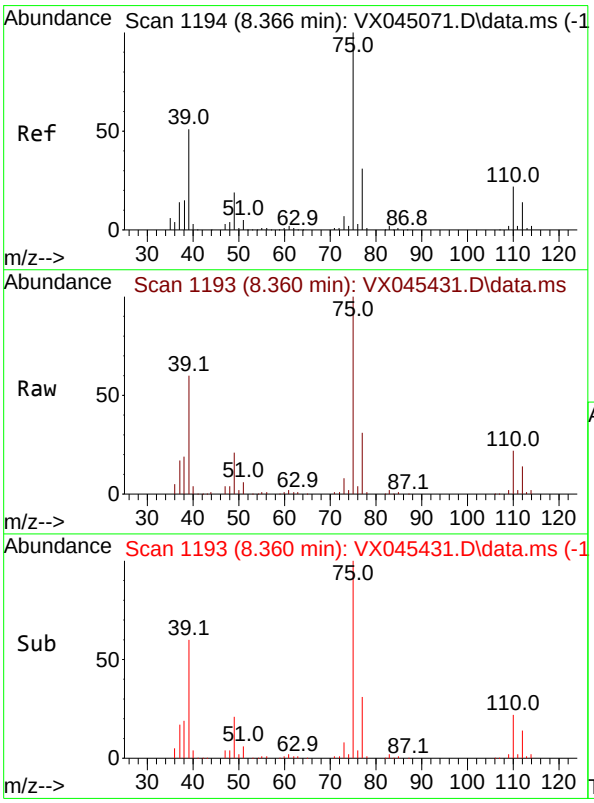
#53
t-1,3-Dichloropropene
Concen: 63.348 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045431.D
Acq: 25 Mar 2025 11:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 79234

Ion	Ratio	Lower	Upper
75	100		
77	30.8	26.5	39.7

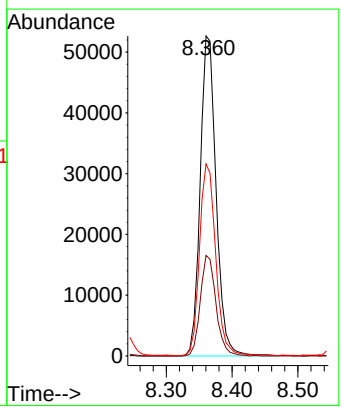


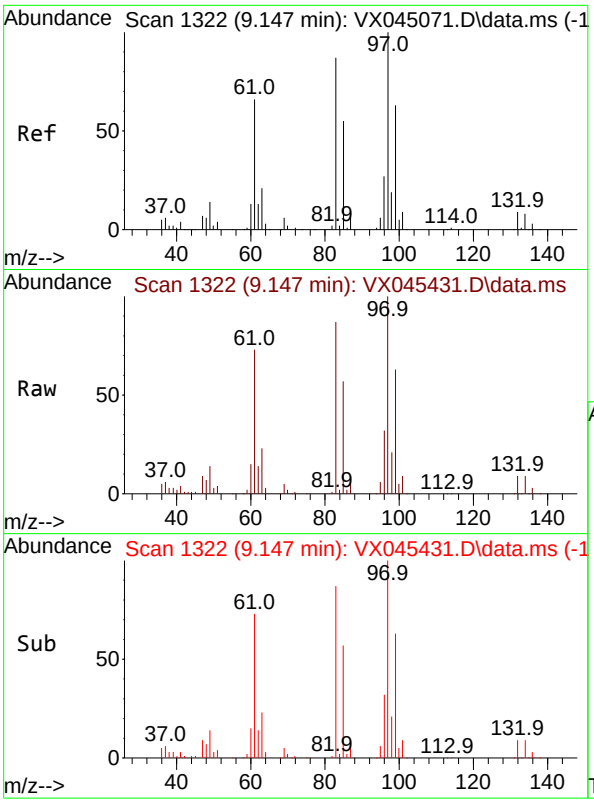


#54
cis-1,3-Dichloropropene
Concen: 60.662 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. -0.006 min
Lab File: VX045431.D
Acq: 25 Mar 2025 11:31

Tgt Ion: 75 Resp: 88476

Ion	Ratio	Lower	Upper
75	100		
77	31.4	24.7	37.1
39	59.9	40.7	61.1



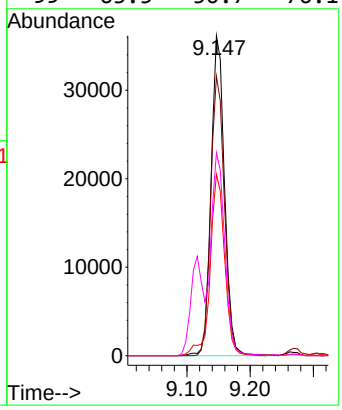


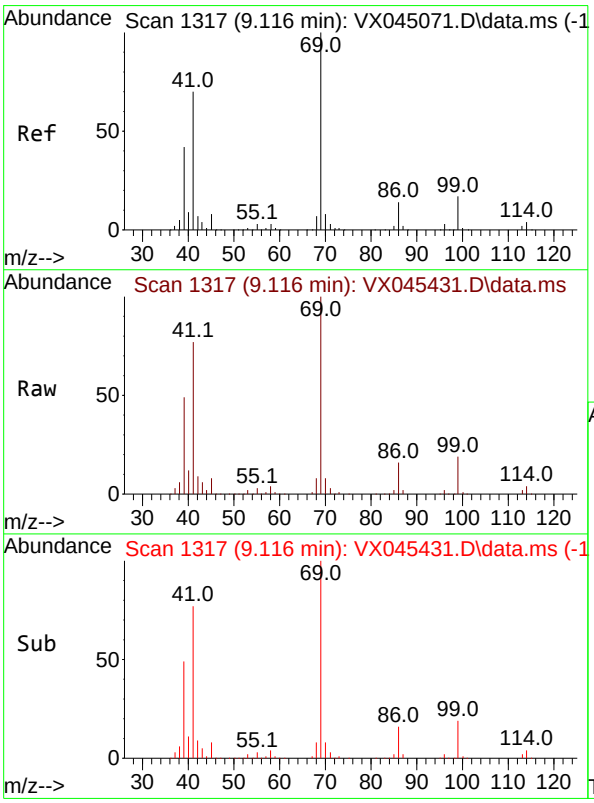
#55
1,1,2-Trichloroethane
Concen: 52.847 ug/l
RT: 9.147 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045431.D
Acq: 25 Mar 2025 11:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 97 Resp: 53576

Ion	Ratio	Lower	Upper
97	100		
83	87.3	69.4	104.2
85	56.7	44.1	66.1
99	63.5	50.7	76.1

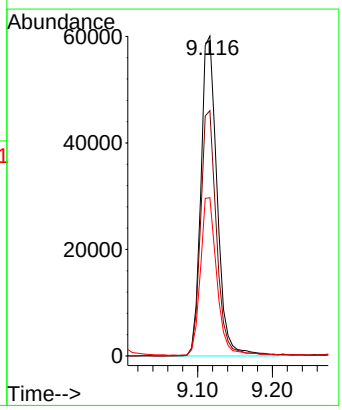


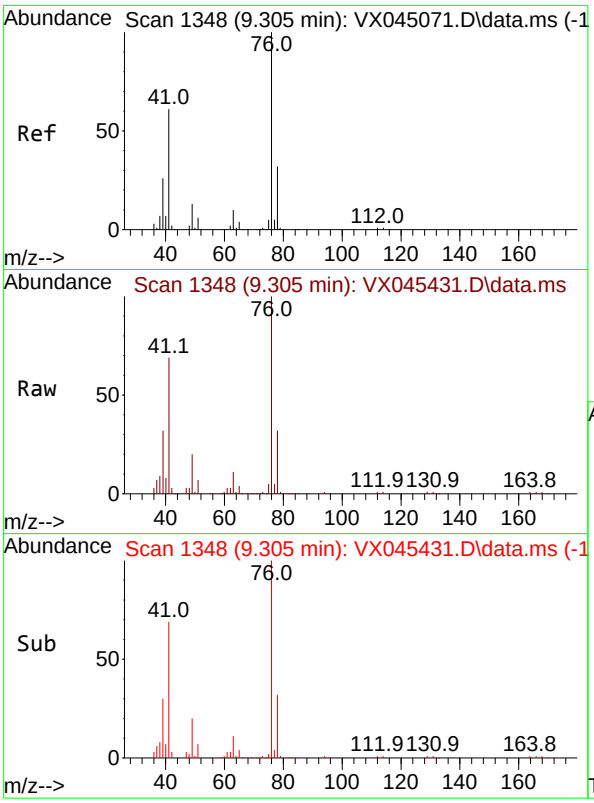


#56
Ethyl methacrylate
Concen: 58.682 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX045431.D
Acq: 25 Mar 2025 11:31

Tgt Ion: 69 Resp: 90431

Ion	Ratio	Lower	Upper
69	100		
41	76.5	57.0	85.4
39	50.1	34.2	51.4



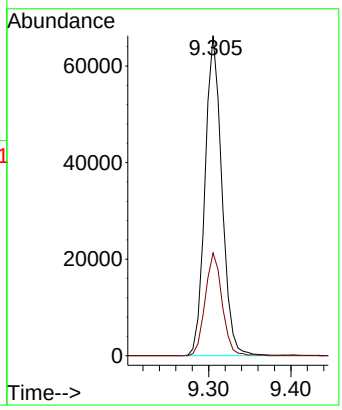


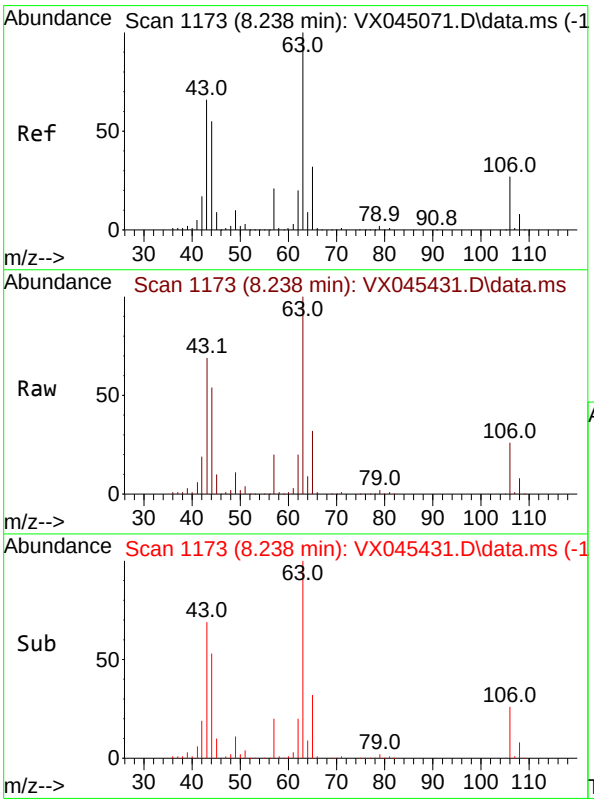
#57
1,3-Dichloropropane
Concen: 53.749 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045431.D
Acq: 25 Mar 2025 11:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 94299

Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.5	38.3

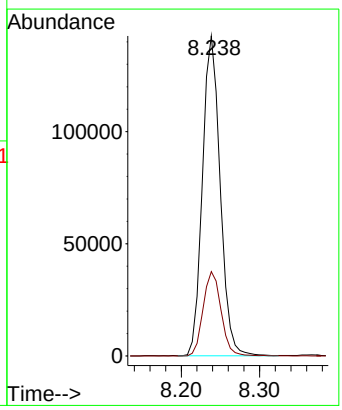


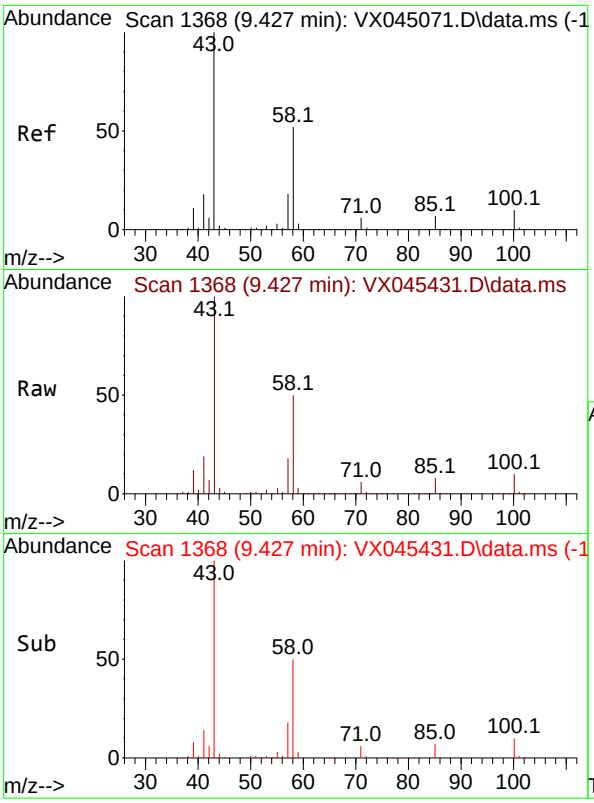


#58
2-Chloroethyl Vinyl ether
Concen: 298.307 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX045431.D
Acq: 25 Mar 2025 11:31

Tgt Ion: 63 Resp: 224245

Ion	Ratio	Lower	Upper
63	100		
106	26.7	21.5	32.3



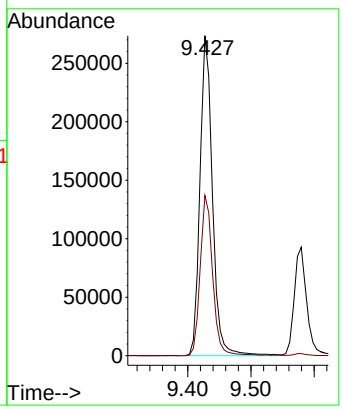


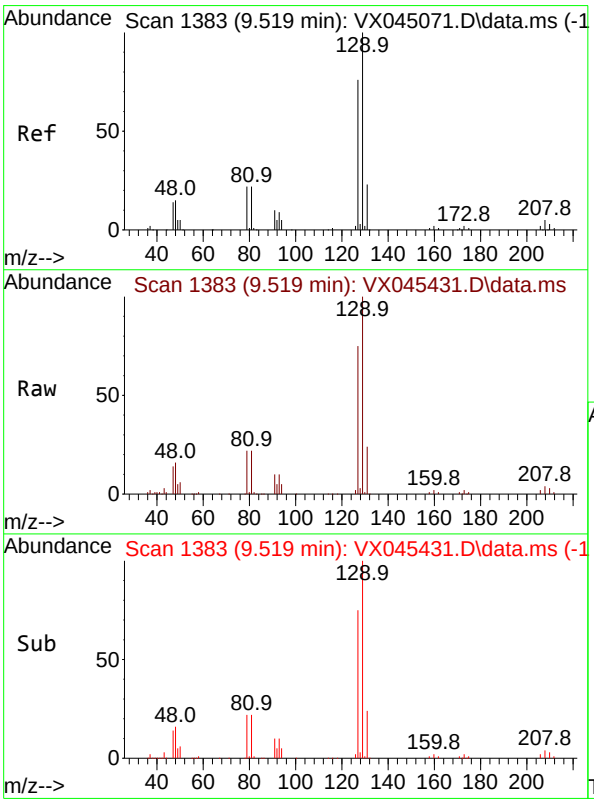
#59
2-Hexanone
Concen: 305.413 ug/l
RT: 9.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045431.D
Acq: 25 Mar 2025 11:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 376299

Ion	Ratio	Lower	Upper
43	100		
58	50.1	25.9	77.6

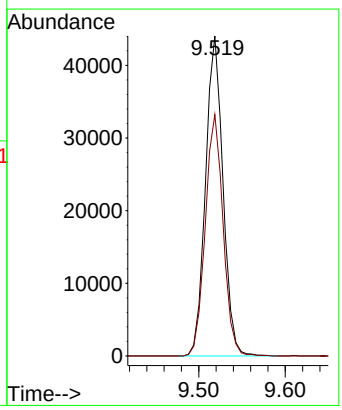


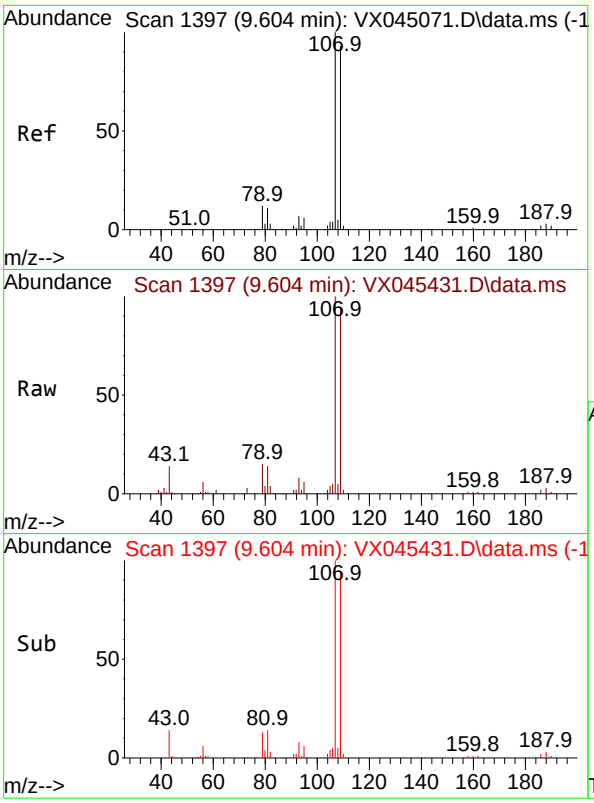


#60
Dibromochloromethane
Concen: 58.159 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX045431.D
Acq: 25 Mar 2025 11:31

Tgt Ion:129 Resp: 61649

Ion	Ratio	Lower	Upper
129	100		
127	77.1	38.5	115.5



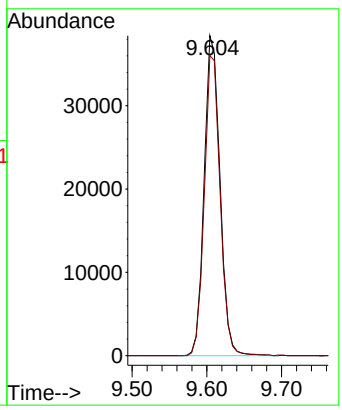


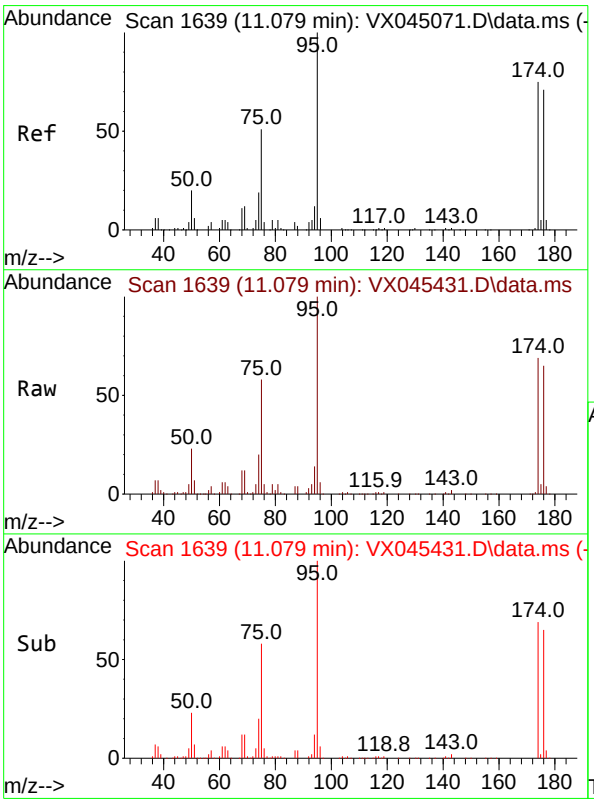
#61
1,2-Dibromoethane
Concen: 55.824 ug/l
RT: 9.604 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045431.D
Acq: 25 Mar 2025 11:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:107 Resp: 56497

Ion	Ratio	Lower	Upper
107	100		
109	93.8	76.1	114.1

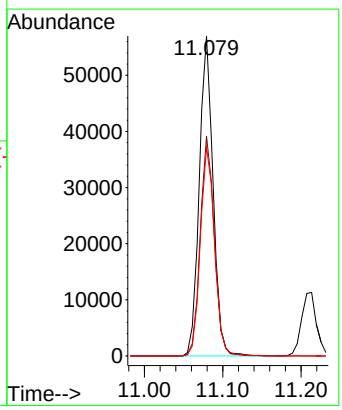


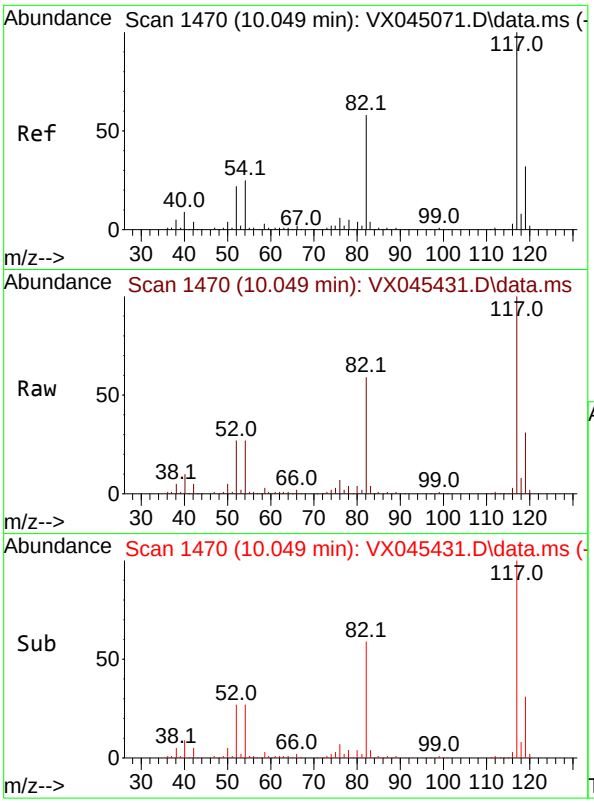


#62
4-Bromofluorobenzene
Concen: 59.846 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045431.D
Acq: 25 Mar 2025 11:31

Tgt Ion: 95 Resp: 69681

Ion	Ratio	Lower	Upper
95	100		
174	69.8	0.0	148.2
176	66.9	0.0	141.4



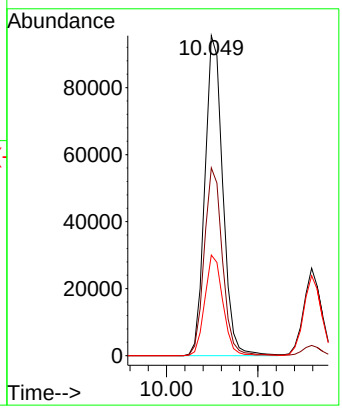


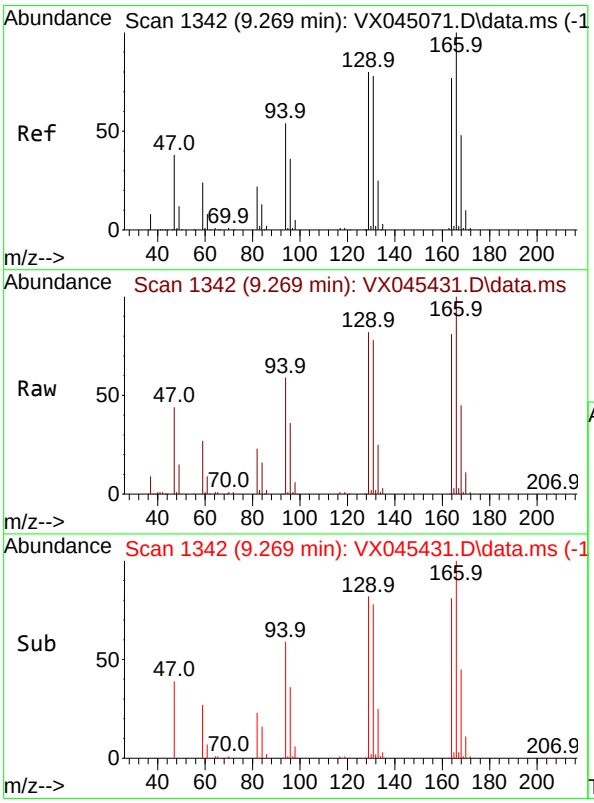
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045431.D
Acq: 25 Mar 2025 11:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:117 Resp: 129576

Ion	Ratio	Lower	Upper
117	100		
82	58.7	46.3	69.5
119	31.5	25.7	38.5

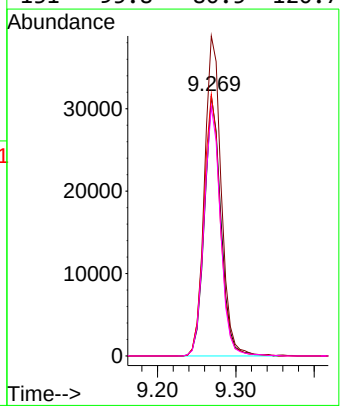


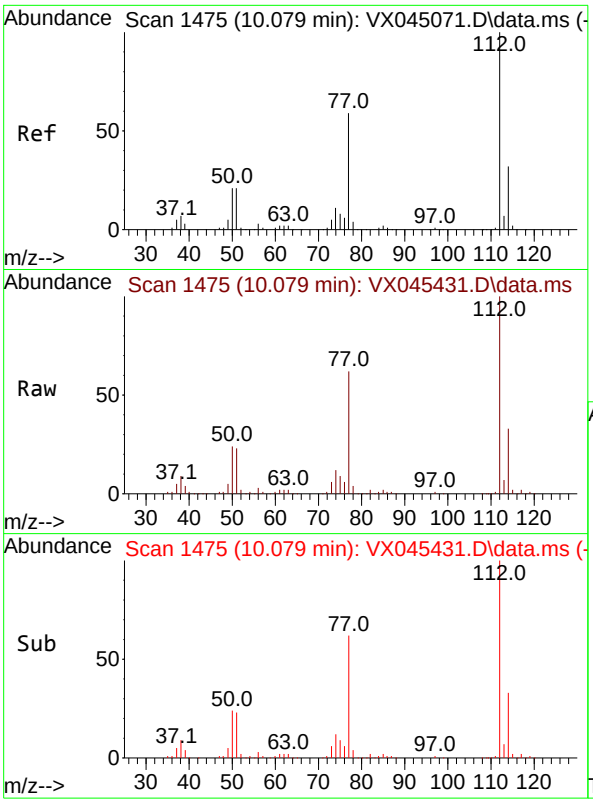


#64
Tetrachloroethene
Concen: 55.192 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX045431.D
Acq: 25 Mar 2025 11:31

Tgt Ion:164 Resp: 45803

Ion	Ratio	Lower	Upper
164	100		
166	123.0	103.6	155.4
129	100.5	82.7	124.1
131	95.8	80.5	120.7



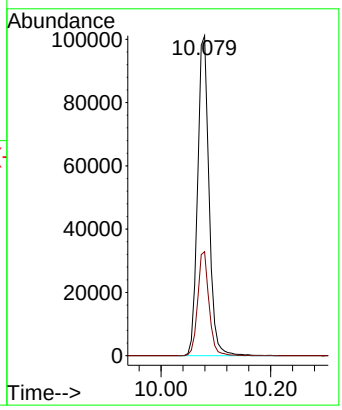


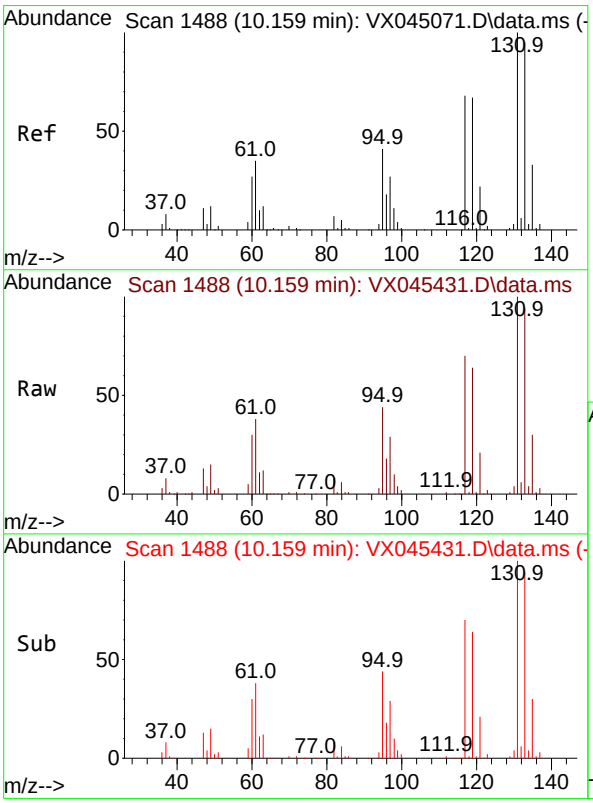
#65
Chlorobenzene
Concen: 53.387 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045431.D
Acq: 25 Mar 2025 11:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:112 Resp: 146378

Ion	Ratio	Lower	Upper
112	100		
114	32.5	26.0	39.0

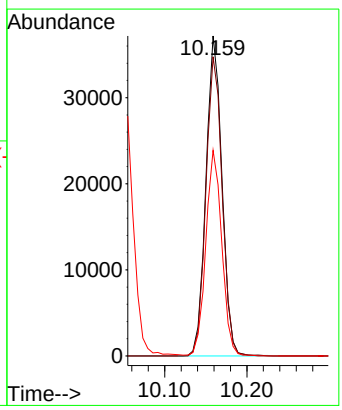


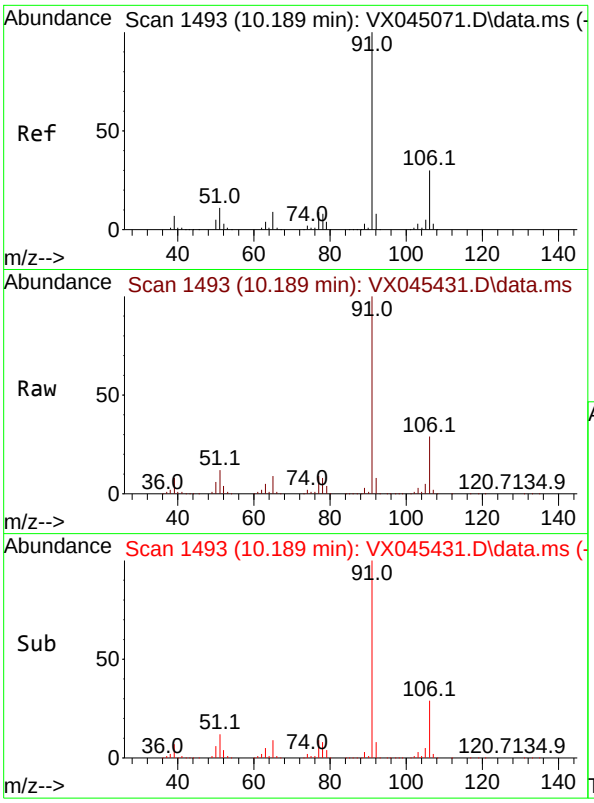


#66
1,1,1,2-Tetrachloroethane
Concen: 55.062 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX045431.D
Acq: 25 Mar 2025 11:31

Tgt Ion:131 Resp: 50276

Ion	Ratio	Lower	Upper
131	100		
133	95.0	48.6	145.9
119	64.2	33.9	101.7



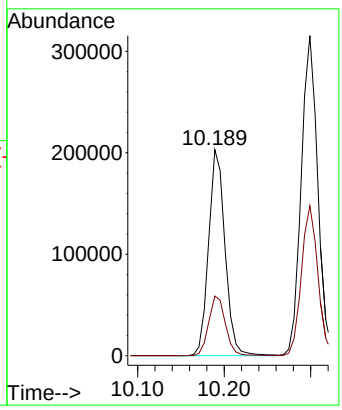


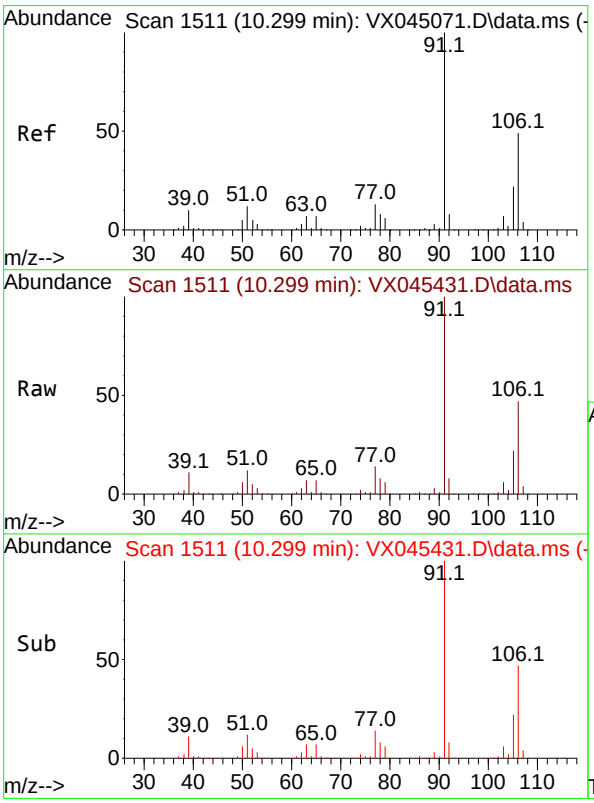
#67
Ethyl Benzene
Concen: 56.096 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045431.D
Acq: 25 Mar 2025 11:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 267992

Ion	Ratio	Lower	Upper
91	100		
106	29.0	23.9	35.9

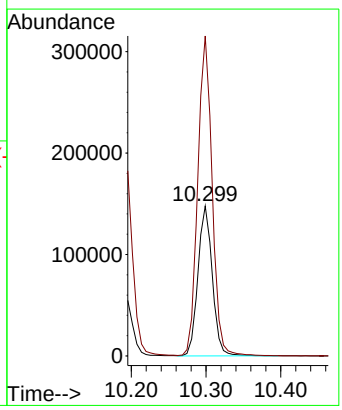


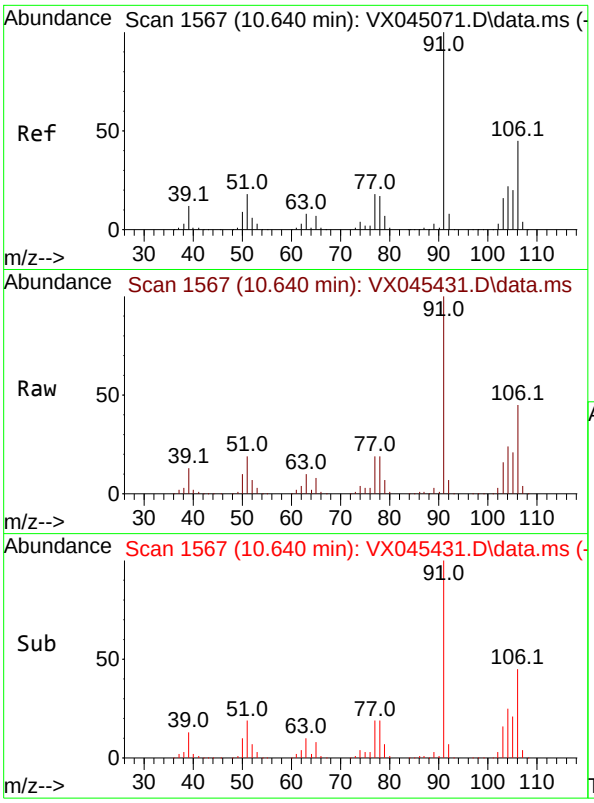


#68
m/p-Xylenes
Concen: 112.611 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX045431.D
Acq: 25 Mar 2025 11:31

Tgt Ion:106 Resp: 196944

Ion	Ratio	Lower	Upper
106	100		
91	214.1	165.4	248.0



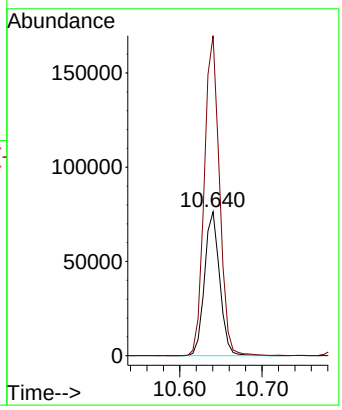


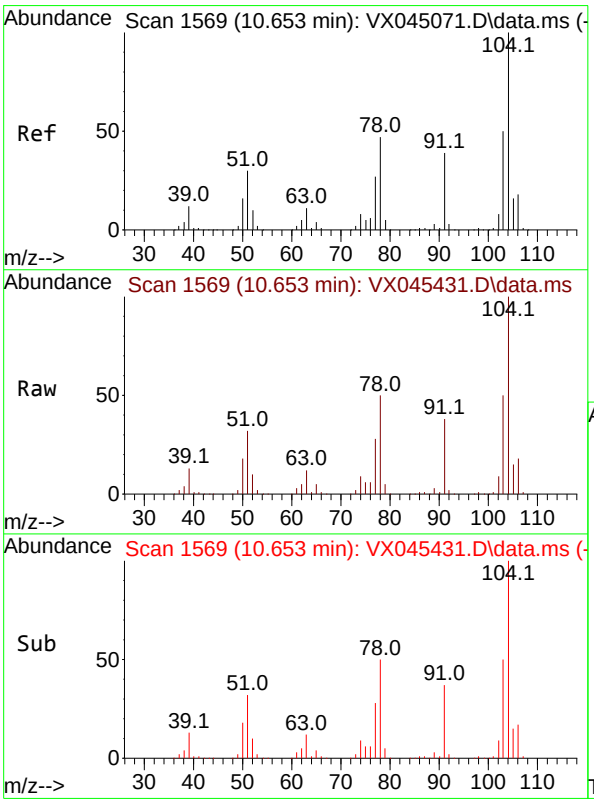
#69
o-Xylene
Concen: 55.328 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045431.D
Acq: 25 Mar 2025 11:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:106 Resp: 97592

Ion	Ratio	Lower	Upper
106	100		
91	223.3	109.9	329.6

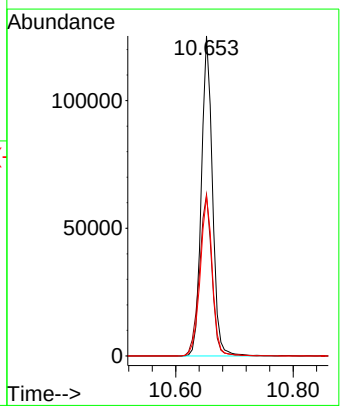


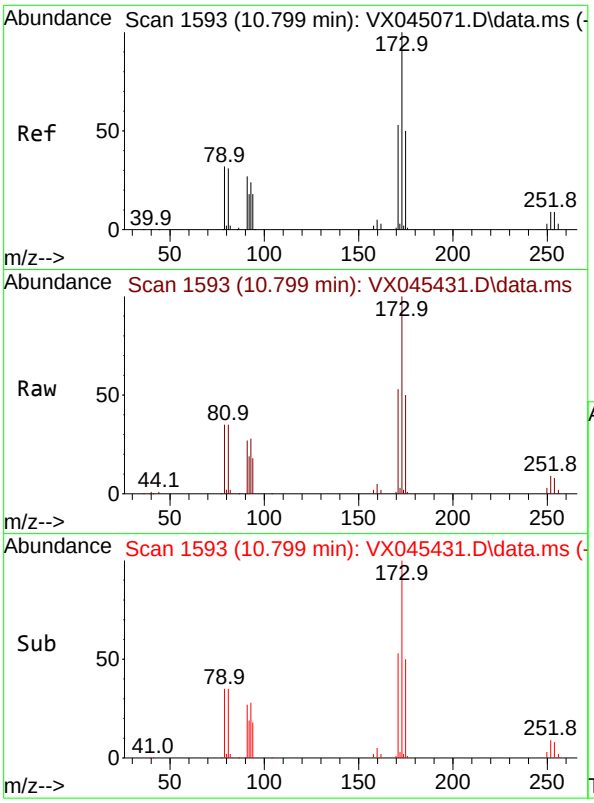


#70
Styrene
Concen: 57.595 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX045431.D
Acq: 25 Mar 2025 11:31

Tgt Ion:104 Resp: 164378

Ion	Ratio	Lower	Upper
104	100		
78	56.8	42.2	63.4
103	54.8	43.8	65.8



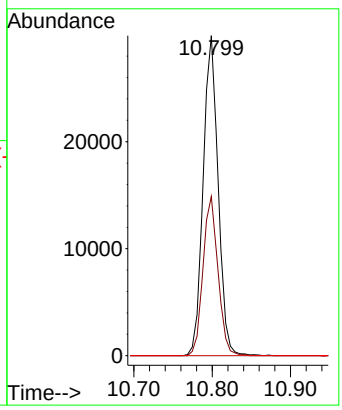


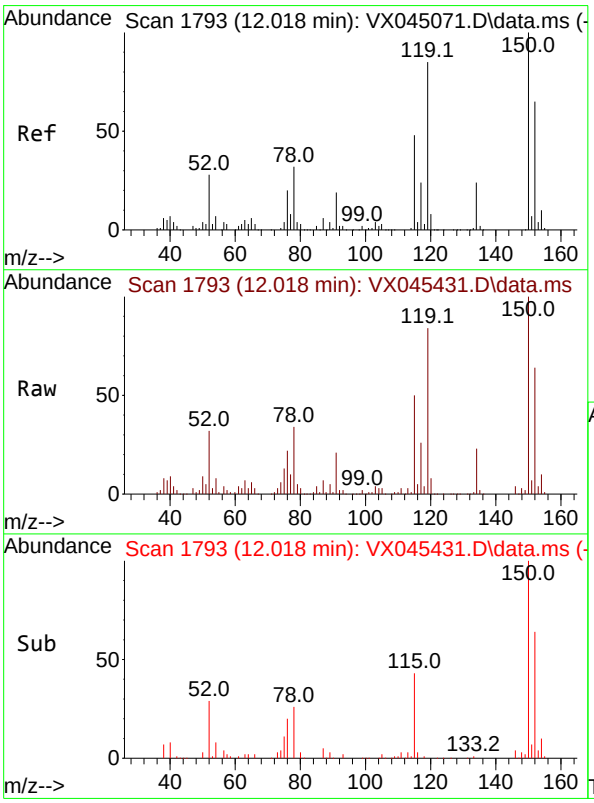
#71
Bromoform
Concen: 57.503 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045431.D
Acq: 25 Mar 2025 11:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:173 Resp: 39593

Ion	Ratio	Lower	Upper
173	100		
175	49.8	24.6	73.6
254	0.0	0.0	0.0

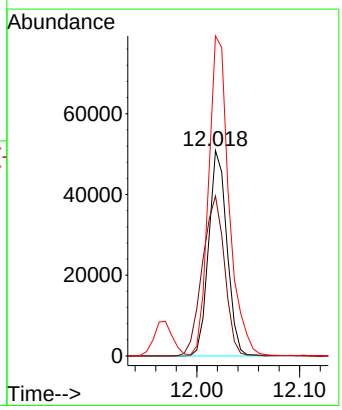


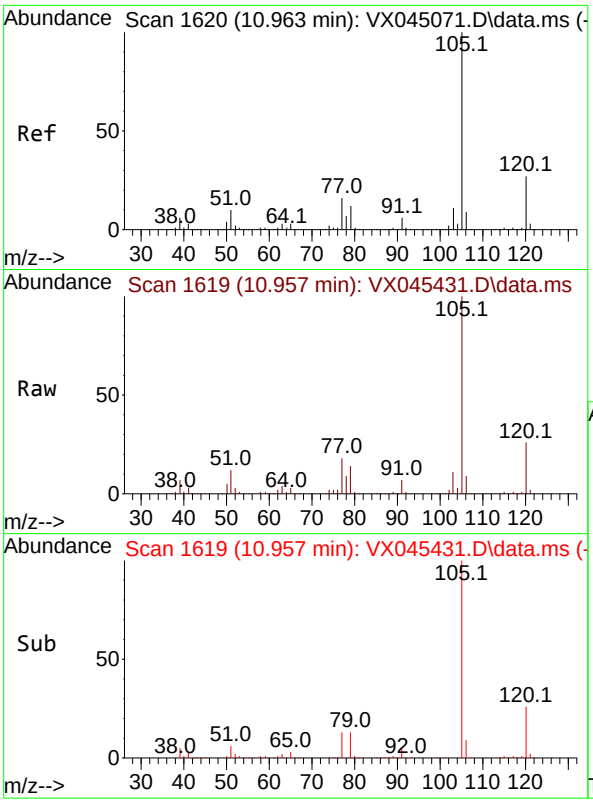


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045431.D
Acq: 25 Mar 2025 11:31

Tgt Ion:152 Resp: 63016

Ion	Ratio	Lower	Upper
152	100		
115	94.4	44.2	132.6
150	173.0	0.0	349.0



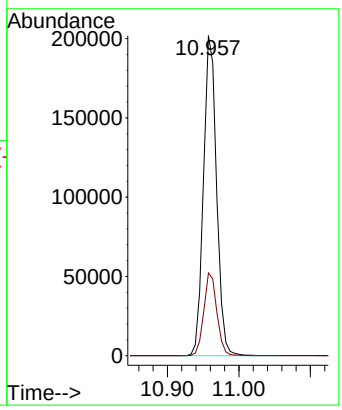


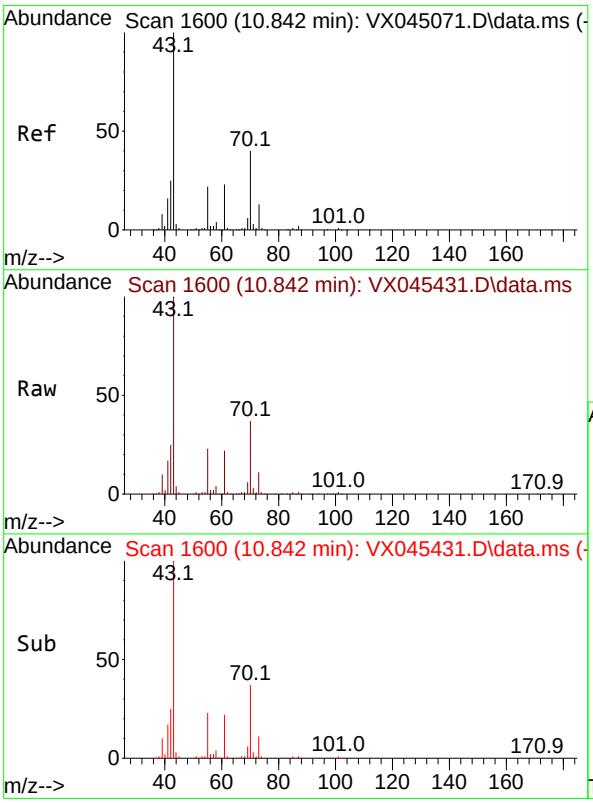
#73
Isopropylbenzene
Concen: 52.224 ug/l
RT: 10.957 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045431.D
Acq: 25 Mar 2025 11:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:105 Resp: 256869

Ion	Ratio	Lower	Upper
105	100		
120	25.7	13.2	39.5

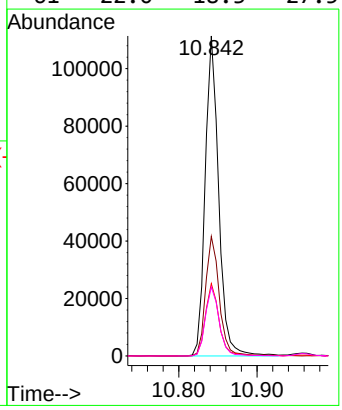


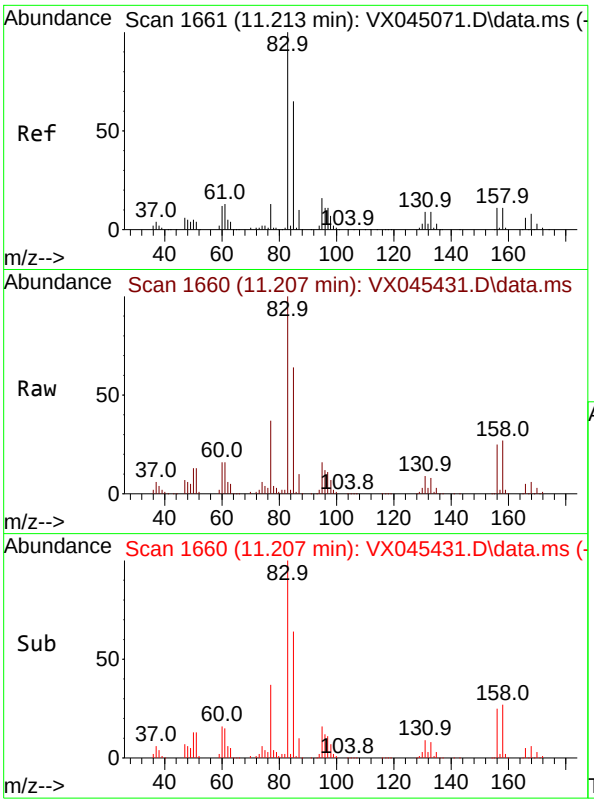


#74
N-amyl acetate
Concen: 57.592 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX045431.D
Acq: 25 Mar 2025 11:31

Tgt Ion: 43 Resp: 132920

Ion	Ratio	Lower	Upper
43	100		
70	38.1	31.8	47.6
55	23.0	18.3	27.5
61	22.0	18.3	27.5



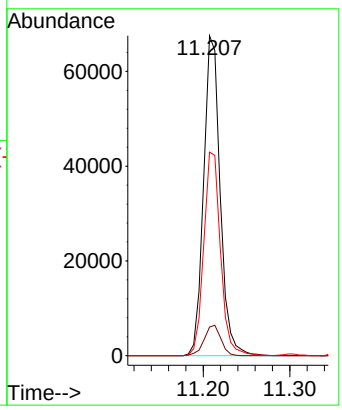


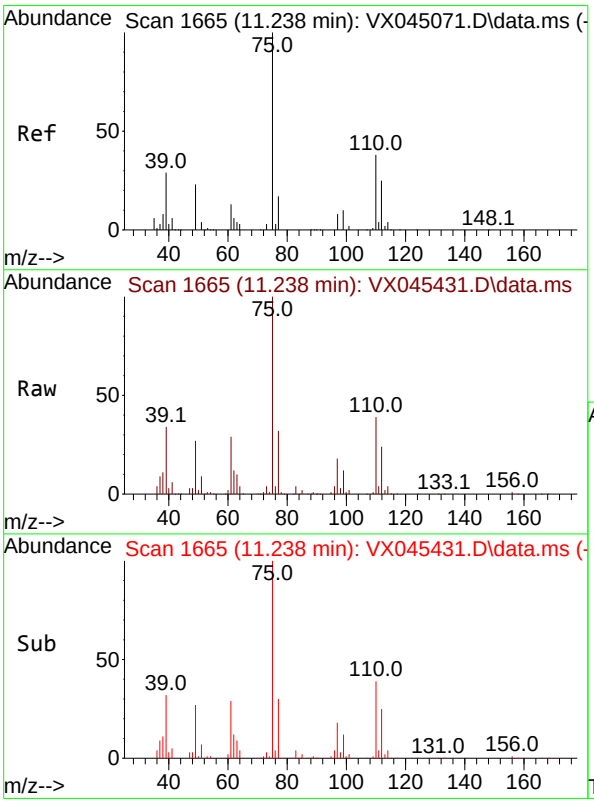
#75
1,1,2,2-Tetrachloroethane
Concen: 49.643 ug/l
RT: 11.207 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045431.D
Acq: 25 Mar 2025 11:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 89603

Ion	Ratio	Lower	Upper
83	100		
131	9.6	4.5	13.4
85	64.4	31.7	95.1

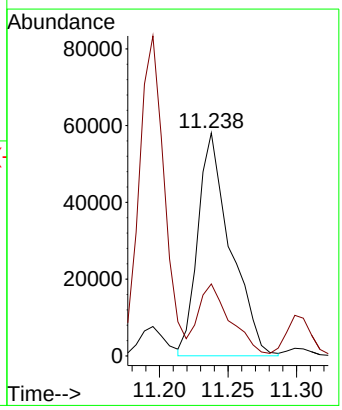


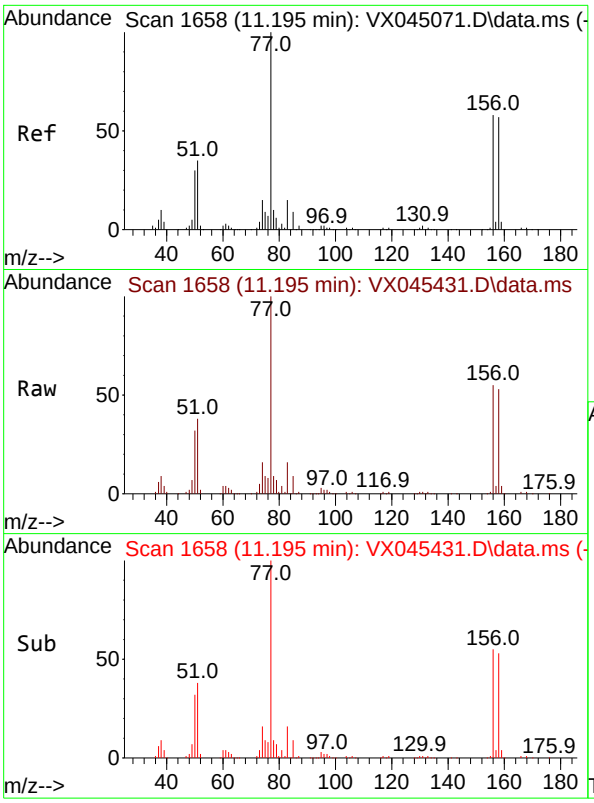


#76
1,2,3-Trichloropropane
Concen: 65.690 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX045431.D
Acq: 25 Mar 2025 11:31

Tgt Ion: 75 Resp: 96348

Ion	Ratio	Lower	Upper
75	100		
77	32.0	20.7	62.1



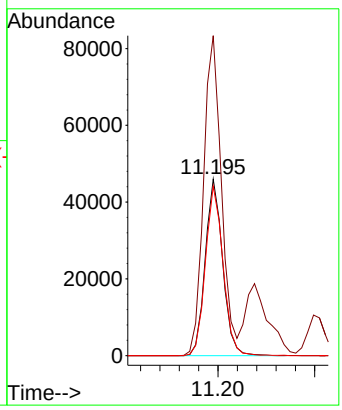


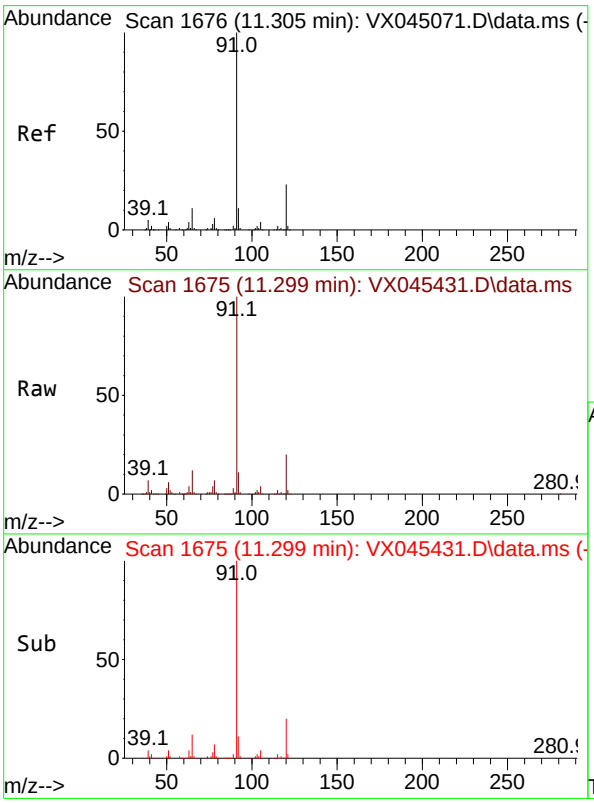
#77
Bromobenzene
Concen: 49.647 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045431.D
Acq: 25 Mar 2025 11:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:156 Resp: 57616

Ion	Ratio	Lower	Upper
156	100		
77	185.3	85.8	257.4
158	97.6	48.4	145.2

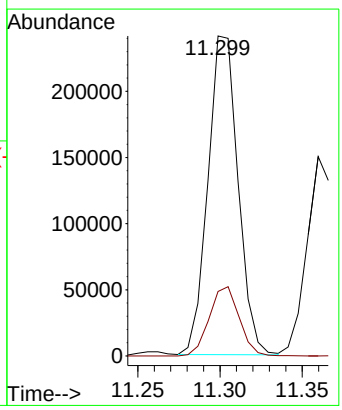


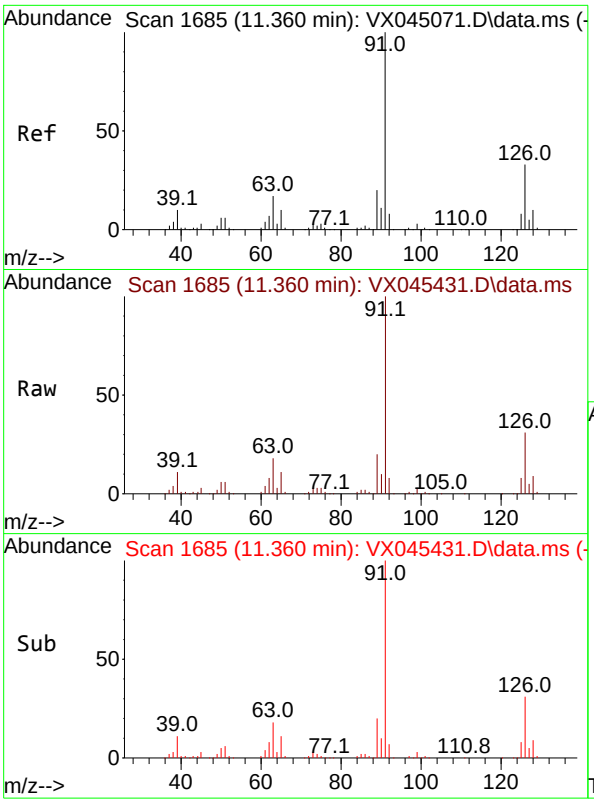


#78
n-propylbenzene
Concen: 55.312 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. -0.006 min
Lab File: VX045431.D
Acq: 25 Mar 2025 11:31

Tgt Ion: 91 Resp: 307324

Ion	Ratio	Lower	Upper
91	100		
120	21.6	11.2	33.6



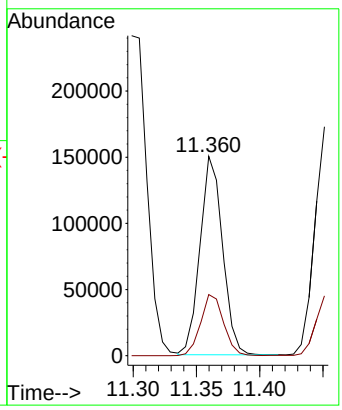


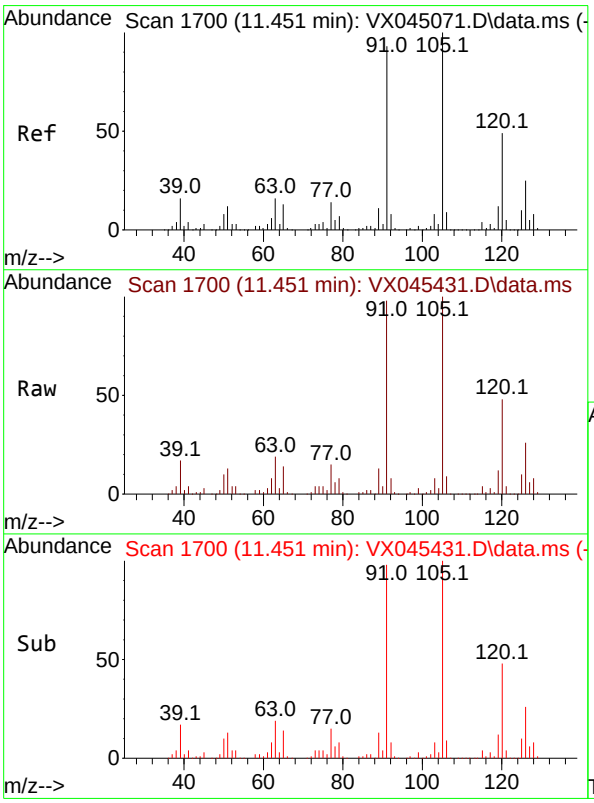
#79
2-Chlorotoluene
Concen: 52.637 ug/l
RT: 11.360 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045431.D
Acq: 25 Mar 2025 11:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 186258

Ion	Ratio	Lower	Upper
91	100		
126	31.4	16.4	49.4

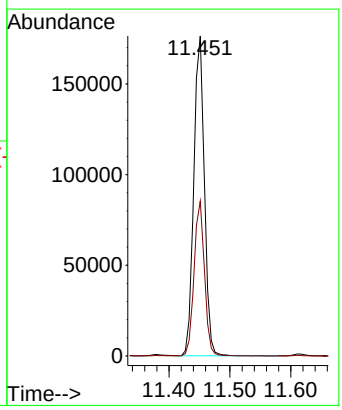


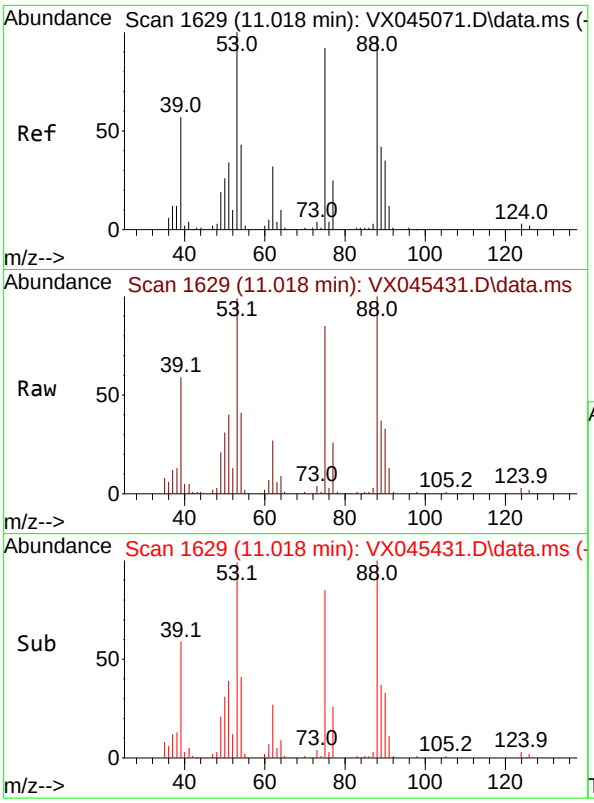


#80
1,3,5-Trimethylbenzene
Concen: 53.605 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045431.D
Acq: 25 Mar 2025 11:31

Tgt Ion:105 Resp: 213188

Ion	Ratio	Lower	Upper
105	100		
120	47.4	24.1	72.2



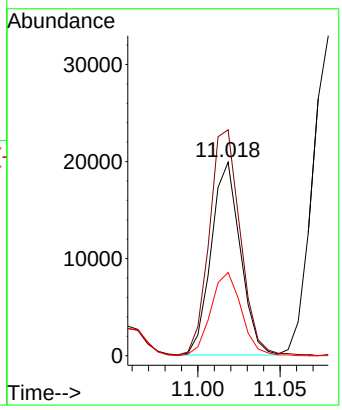


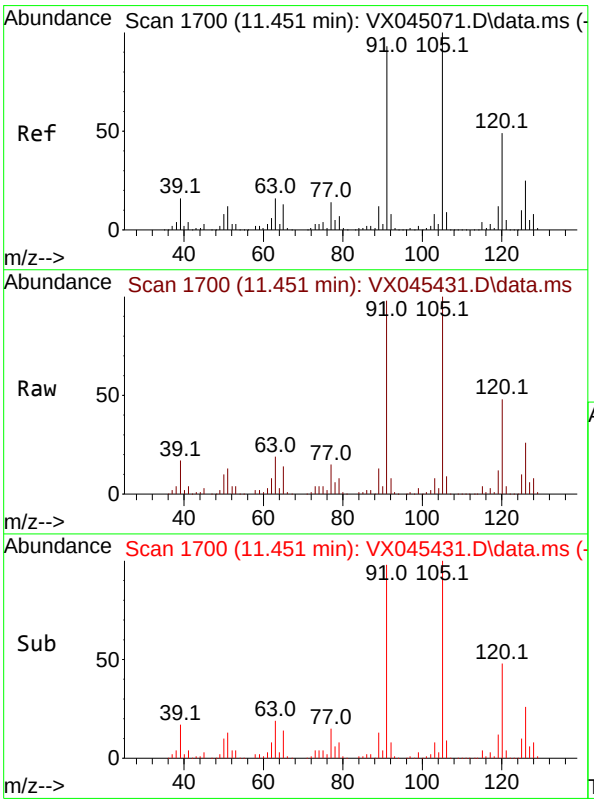
#81
trans-1,4-Dichloro-2-butene
Concen: 57.344 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045431.D
Acq: 25 Mar 2025 11:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 24577

Ion	Ratio	Lower	Upper
75	100		
53	124.7	88.5	132.7
89	45.0	36.2	54.4

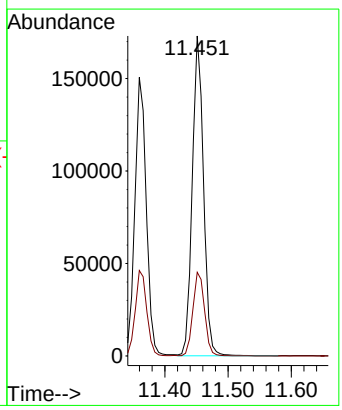


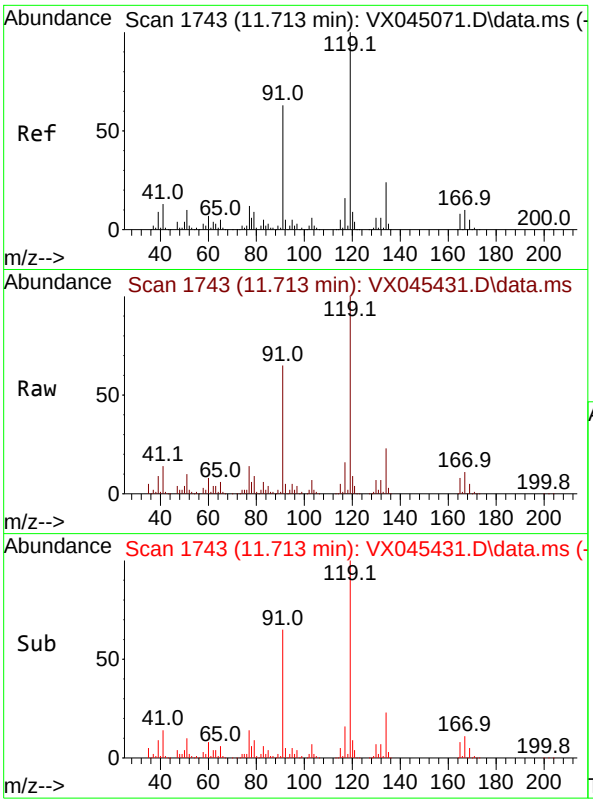


#82
4-Chlorotoluene
Concen: 55.350 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045431.D
Acq: 25 Mar 2025 11:31

Tgt Ion: 91 Resp: 213457

Ion	Ratio	Lower	Upper
91	100		
126	27.1	14.1	42.4



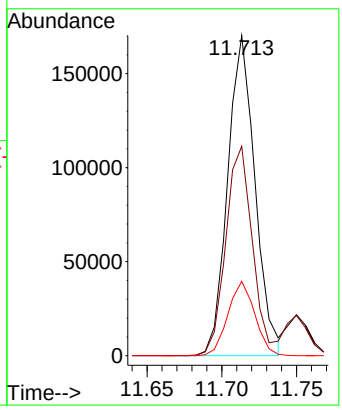


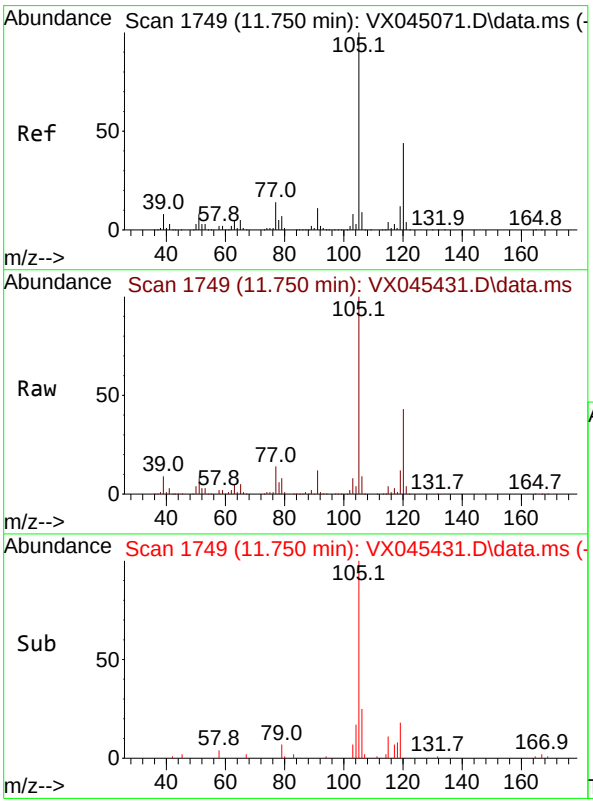
#83
tert-Butylbenzene
Concen: 53.053 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045431.D
Acq: 25 Mar 2025 11:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:119 Resp: 216792

Ion	Ratio	Lower	Upper
119	100		
91	64.4	30.7	92.1
134	22.8	11.7	35.0

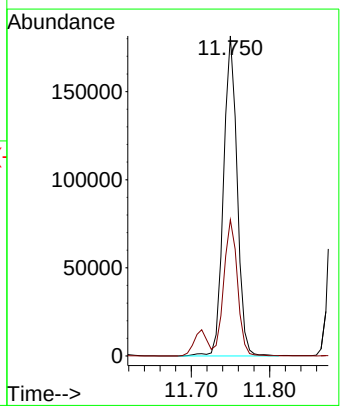


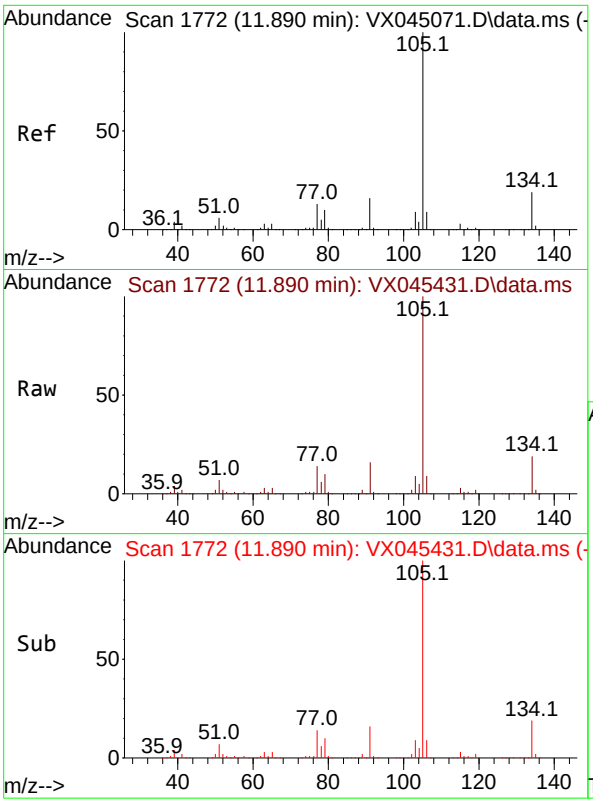


#84
1,2,4-Trimethylbenzene
Concen: 55.071 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX045431.D
Acq: 25 Mar 2025 11:31

Tgt Ion:105 Resp: 220378

Ion	Ratio	Lower	Upper
105	100		
120	42.6	22.1	66.1



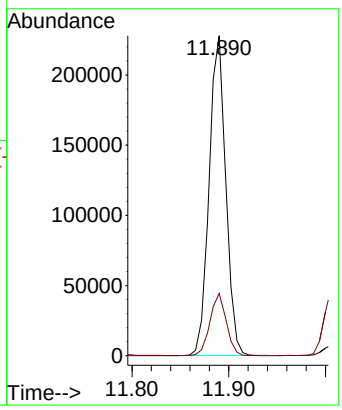


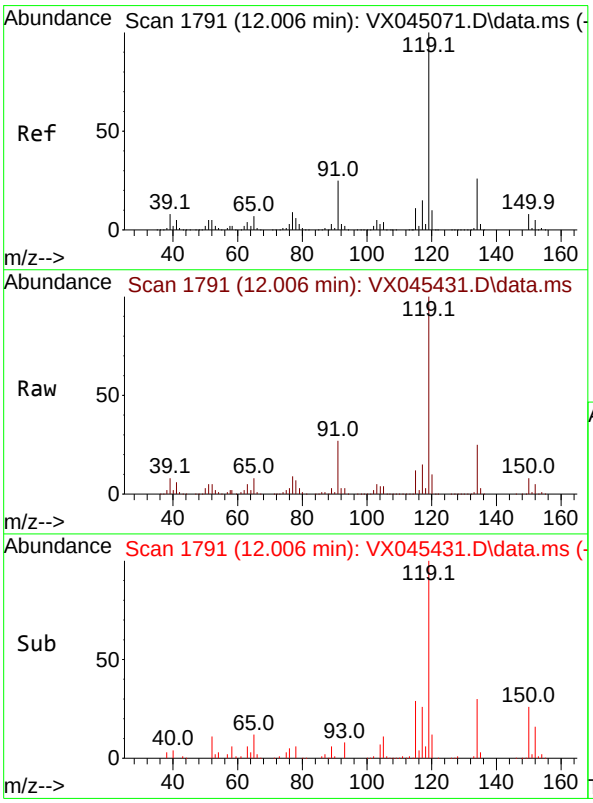
#85
sec-Butylbenzene
Concen: 55.742 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045431.D
Acq: 25 Mar 2025 11:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:105 Resp: 272850

Ion	Ratio	Lower	Upper
105	100		
134	19.1	9.8	29.4

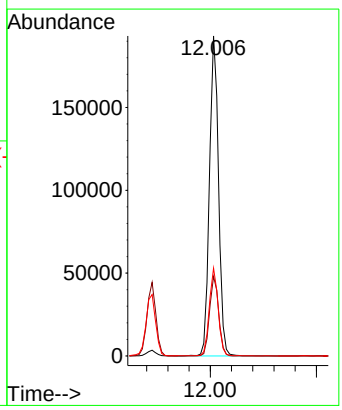


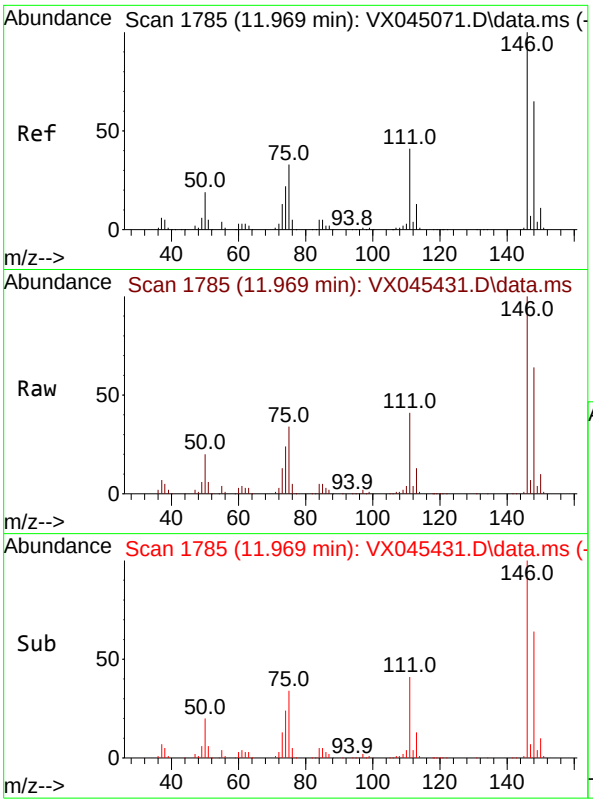


#86
p-Isopropyltoluene
Concen: 57.799 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX045431.D
Acq: 25 Mar 2025 11:31

Tgt Ion:119 Resp: 228640

Ion	Ratio	Lower	Upper
119	100		
134	24.9	12.9	38.6
91	26.6	12.7	38.0



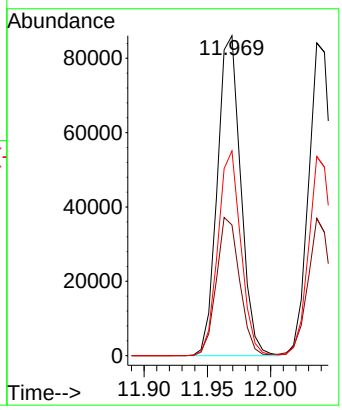


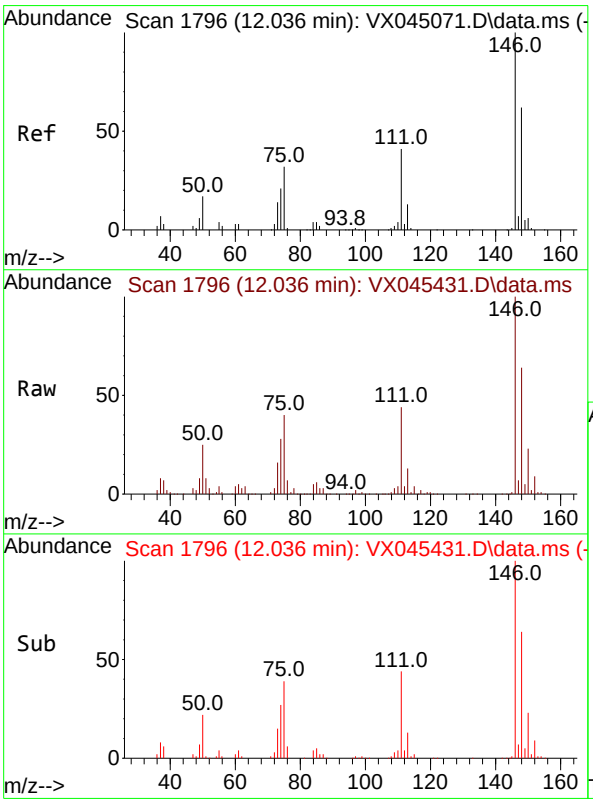
#87
1,3-Dichlorobenzene
Concen: 53.426 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045431.D
Acq: 25 Mar 2025 11:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:146 Resp: 110607

Ion	Ratio	Lower	Upper
146	100		
111	43.1	21.1	63.4
148	62.8	31.9	95.7

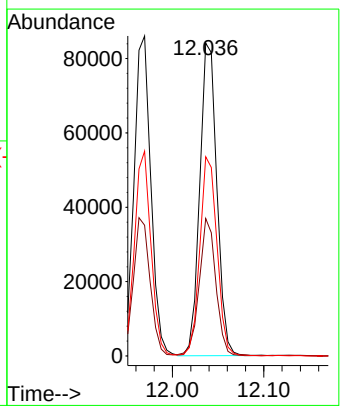


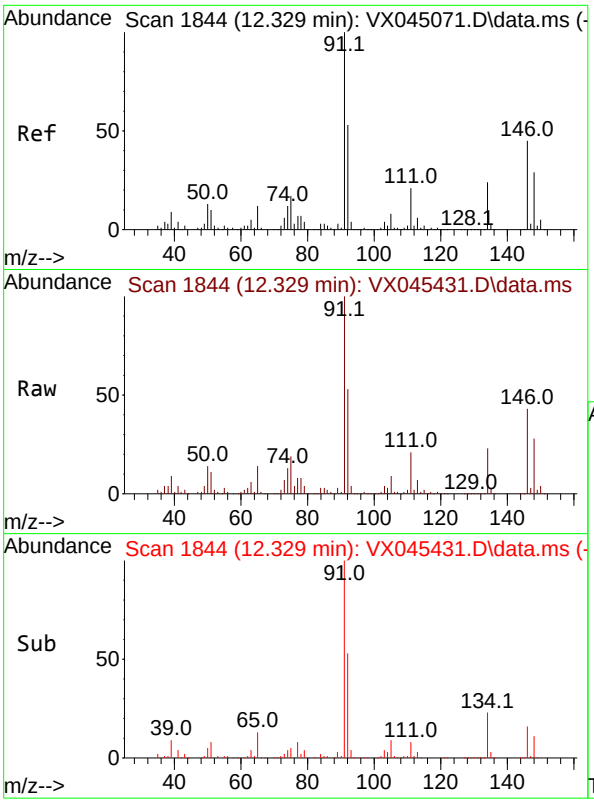


#88
1,4-Dichlorobenzene
Concen: 52.095 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. -0.000 min
Lab File: VX045431.D
Acq: 25 Mar 2025 11:31

Tgt Ion:146 Resp: 109112

Ion	Ratio	Lower	Upper
146	100		
111	42.6	20.2	60.5
148	64.0	31.9	95.9



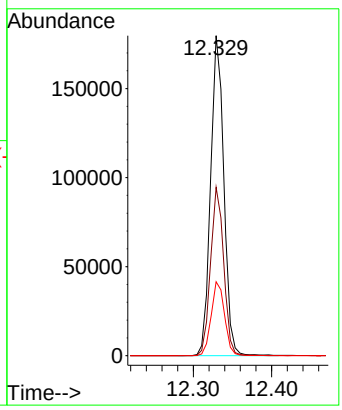


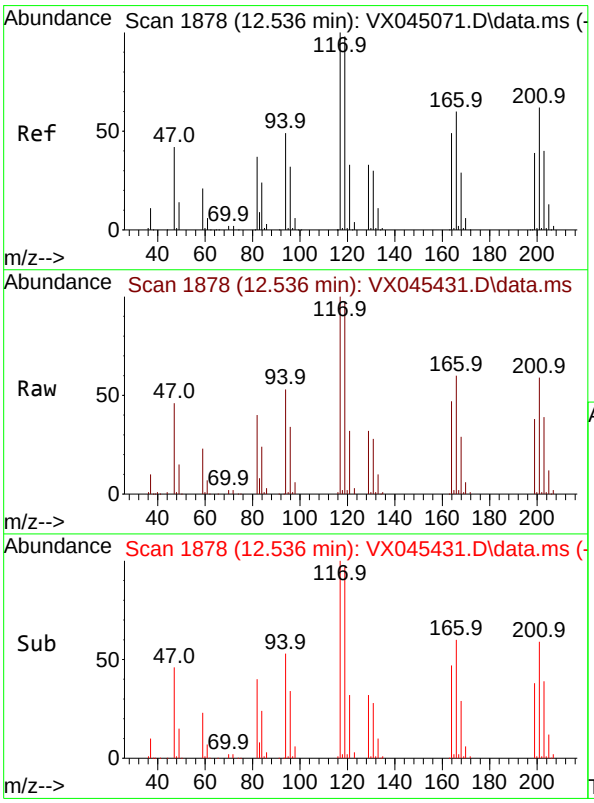
#89
n-Butylbenzene
Concen: 61.782 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045431.D
Acq: 25 Mar 2025 11:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 210489

Ion	Ratio	Lower	Upper
91	100		
92	52.3	26.7	80.0
134	23.4	12.2	36.6

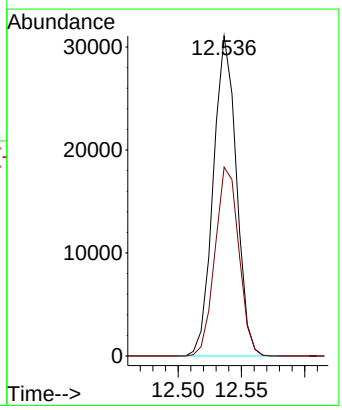


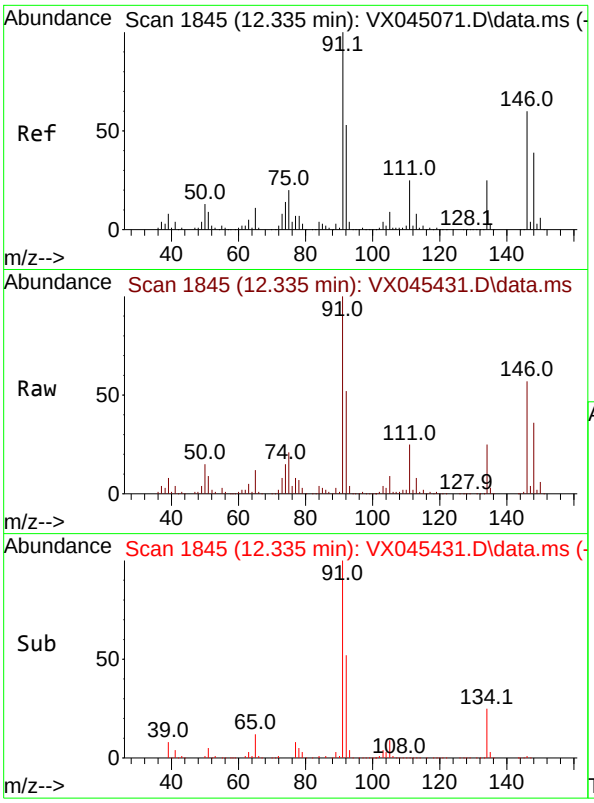


#90
Hexachloroethane
Concen: 54.992 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX045431.D
Acq: 25 Mar 2025 11:31

Tgt Ion:117 Resp: 39347

Ion	Ratio	Lower	Upper
117	100		
201	61.0	31.9	95.9



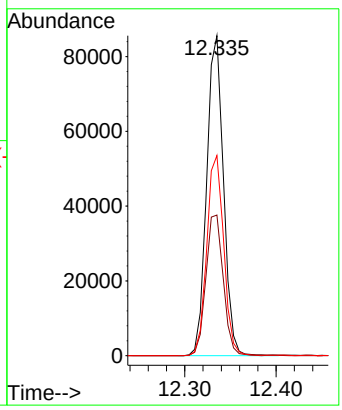


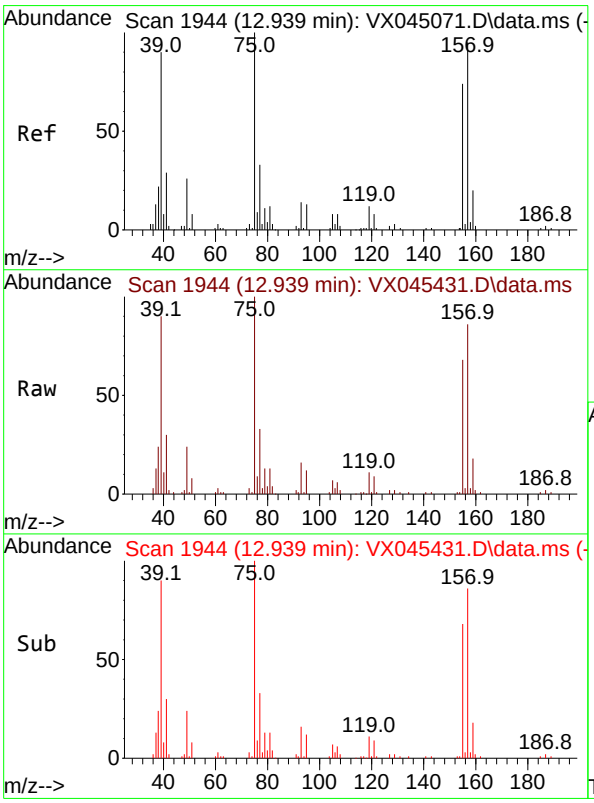
#91
1,2-Dichlorobenzene
Concen: 52.598 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045431.D
Acq: 25 Mar 2025 11:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:146 Resp: 109233

Ion	Ratio	Lower	Upper
146	100		
111	45.5	21.6	65.0
148	63.2	31.9	95.9

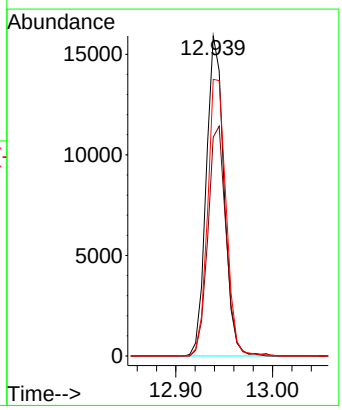


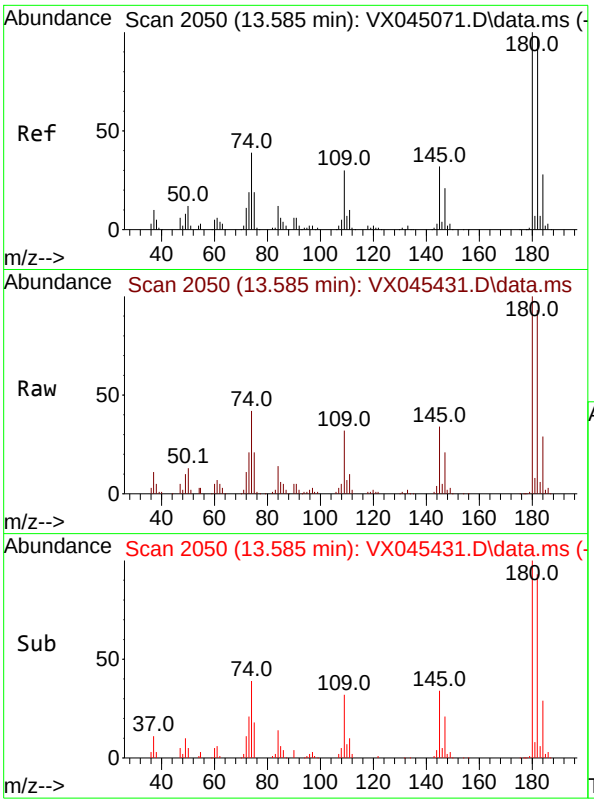


#92
1,2-Dibromo-3-Chloropropane
Concen: 57.847 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX045431.D
Acq: 25 Mar 2025 11:31

Tgt Ion: 75 Resp: 20341

Ion	Ratio	Lower	Upper
75	100		
155	73.1	39.6	118.7
157	89.5	51.1	153.4



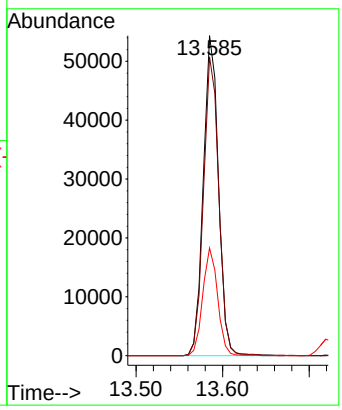


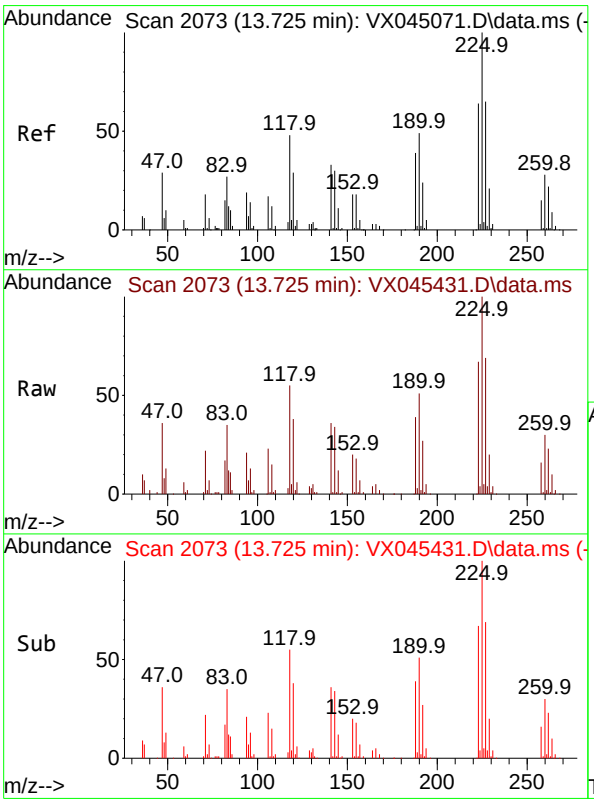
#93
1,2,4-Trichlorobenzene
Concen: 55.783 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045431.D
Acq: 25 Mar 2025 11:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:180 Resp: 65965

Ion	Ratio	Lower	Upper
180	100		
182	94.3	47.3	141.9
145	33.2	16.3	48.9

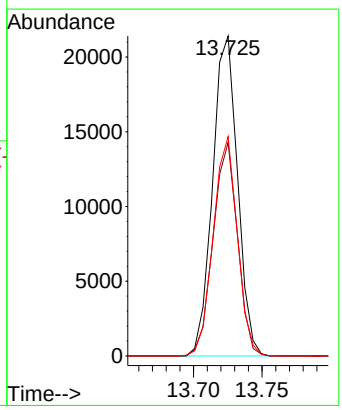


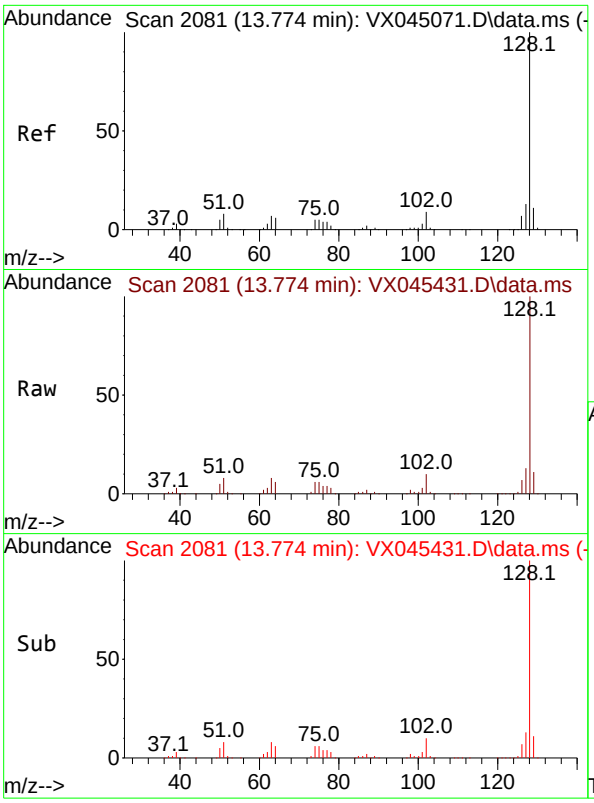


#94
Hexachlorobutadiene
Concen: 55.799 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX045431.D
Acq: 25 Mar 2025 11:31

Tgt Ion:225 Resp: 27052

Ion	Ratio	Lower	Upper
225	100		
223	64.9	31.9	95.7
227	66.4	31.4	94.0



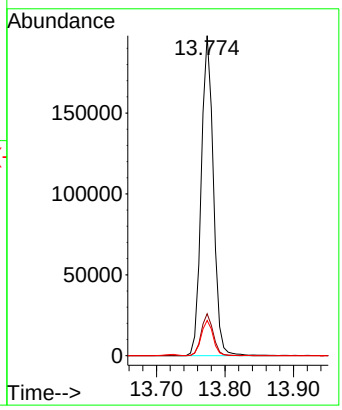


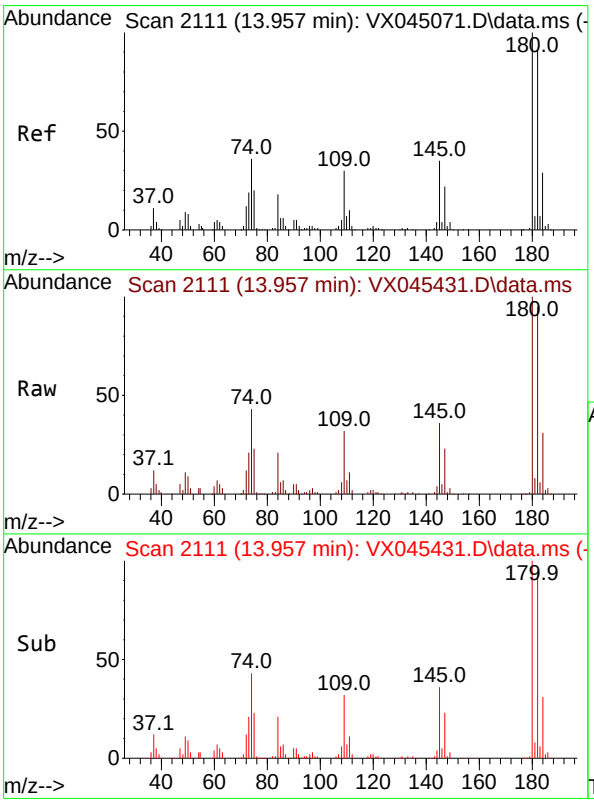
#95
Naphthalene
Concen: 53.764 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045431.D
Acq: 25 Mar 2025 11:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:128 Resp: 244271

Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.3	15.5
129	10.9	8.7	13.1

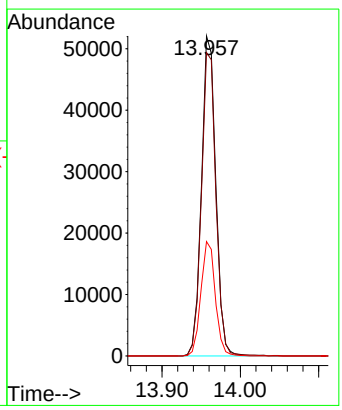




#96
1,2,3-Trichlorobenzene
Concen: 52.935 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.000 min
Lab File: VX045431.D
Acq: 25 Mar 2025 11:31

Tgt Ion:180 Resp: 66037

Ion	Ratio	Lower	Upper
180	100		
182	95.8	47.5	142.6
145	36.0	17.0	50.9



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032525\
Data File : VX045436.D
Acq On : 25 Mar 2025 13:35
Operator : JC/MD
Sample : VX0325WBS02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0325WBS02

Quant Time: Mar 26 01:37:05 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	88260	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	159282	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	137098	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	60910	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	79497	56.626	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 113.260%			
35) Dibromofluoromethane	5.379	113	56889	53.413	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.820%			
50) Toluene-d8	8.647	98	193748	50.177	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.360%			
62) 4-Bromofluorobenzene	11.079	95	69492	54.311	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 108.620%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	21634	19.473	ug/l	93
3) Chloromethane	1.307	50	21765	16.008	ug/l	100
4) Vinyl Chloride	1.374	62	21512	15.950	ug/l	99
5) Bromomethane	1.593	94	10370	19.558	ug/l	98
6) Chloroethane	1.666	64	12272	19.726	ug/l	96
7) Trichlorofluoromethane	1.874	101	35730	20.011	ug/l	98
8) Diethyl Ether	2.130	74	12404	17.761	ug/l	92
9) 1,1,2-Trichlorotrifluo...	2.319	101	23226	22.642	ug/l	98
10) Methyl Iodide	2.447	142	25124	19.598	ug/l	92
11) Tert butyl alcohol	2.977	59	21298	80.091	ug/l	97
12) 1,1-Dichloroethene	2.313	96	21282	19.623	ug/l	99
13) Acrolein	2.233	56	41176	133.950	ug/l	99
14) Allyl chloride	2.660	41	40753	21.110	ug/l	93
15) Acrylonitrile	3.062	53	74109	103.983	ug/l	97
16) Acetone	2.386	43	71720	110.107	ug/l	99
17) Carbon Disulfide	2.502	76	40407	13.988	ug/l	96
18) Methyl Acetate	2.703	43	46032	29.376	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	78132	21.473	ug/l	99
20) Methylene Chloride	2.782	84	26113	20.238	ug/l	93
21) trans-1,2-Dichloroethene	3.081	96	21506	20.072	ug/l	93
22) Diisopropyl ether	3.757	45	83401	21.242	ug/l #	81
23) Vinyl Acetate	3.721	43	340859	104.034	ug/l	99
24) 1,1-Dichloroethane	3.605	63	47200	21.451	ug/l	100
25) 2-Butanone	4.556	43	107857	110.005	ug/l	94
26) 2,2-Dichloropropane	4.471	77	32630	31.616	ug/l	94
27) cis-1,2-Dichloroethene	4.489	96	27486	20.781	ug/l	92
28) Bromochloromethane	4.891	49	25516	24.329	ug/l	96
29) Tetrahydrofuran	5.001	42	67379	102.332	ug/l	98
30) Chloroform	5.087	83	48836	22.337	ug/l	100
31) Cyclohexane	5.464	56	37722	19.749	ug/l	94
32) 1,1,1-Trichloroethane	5.379	97	39374	22.298	ug/l	96
36) 1,1-Dichloropropene	5.684	75	30671	20.998	ug/l	99
37) Ethyl Acetate	4.715	43	36236	19.253	ug/l	99
38) Carbon Tetrachloride	5.672	117	32393	21.844	ug/l	97
39) Methylcyclohexane	7.379	83	35870	20.495	ug/l	98
40) Benzene	6.031	78	94569	20.503	ug/l	99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032525\
Data File : VX045436.D
Acq On : 25 Mar 2025 13:35
Operator : JC/MD
Sample : VX0325WBS02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0325WBS02

Quant Time: Mar 26 01:37:05 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	22985	22.585	ug/l		97
42) 1,2-Dichloroethane	6.086	62	39733	23.922	ug/l		96
43) Isopropyl Acetate	6.342	43	58934	21.175	ug/l		99
44) Trichloroethene	7.123	130	22201	20.499	ug/l		96
45) 1,2-Dichloropropane	7.428	63	25053	21.126	ug/l		100
46) Dibromomethane	7.580	93	18482	22.050	ug/l		96
47) Bromodichloromethane	7.818	83	37305	22.690	ug/l		99
48) Methyl methacrylate	7.696	41	30493	21.839	ug/l		93
49) 1,4-Dioxane	7.659	88	11048	375.106	ug/l		95
51) 4-Methyl-2-Pentanone	8.574	43	211951	113.420	ug/l		98
52) Toluene	8.714	92	57834	21.371	ug/l		99
53) t-1,3-Dichloropropene	8.976	75	30348	22.080	ug/l		99
54) cis-1,3-Dichloropropene	8.366	75	35919	22.410	ug/l		93
55) 1,1,2-Trichloroethane	9.147	97	24798	22.259	ug/l		98
56) Ethyl methacrylate	9.116	69	37053	21.880	ug/l		93
57) 1,3-Dichloropropane	9.305	76	42139	21.857	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.238	63	81540	98.707	ug/l		99
59) 2-Hexanone	9.427	43	150538	111.183	ug/l		99
60) Dibromochloromethane	9.519	129	25647	22.017	ug/l		99
61) 1,2-Dibromoethane	9.604	107	24141	21.706	ug/l		99
64) Tetrachloroethene	9.269	164	18971	21.606	ug/l		97
65) Chlorobenzene	10.080	112	61991	21.369	ug/l		100
66) 1,1,1,2-Tetrachloroethane	10.159	131	21269	22.016	ug/l		98
67) Ethyl Benzene	10.189	91	109339	21.631	ug/l		96
68) m/p-Xylenes	10.299	106	79751	43.099	ug/l		93
69) o-Xylene	10.640	106	39921	21.391	ug/l		96
70) Styrene	10.653	104	65405	21.659	ug/l		98
71) Bromoform	10.799	173	15571	21.374	ug/l	#	99
73) Isopropylbenzene	10.964	105	107177	22.544	ug/l		98
74) N-amyl acetate	10.842	43	47397	21.246	ug/l		97
75) 1,1,2,2-Tetrachloroethane	11.207	83	37257	21.355	ug/l		98
76) 1,2,3-Trichloropropane	11.238	75	36819	25.971	ug/l		89
77) Bromobenzene	11.195	156	23991	21.388	ug/l		96
78) n-propylbenzene	11.299	91	120148	22.372	ug/l		98
79) 2-Chlorotoluene	11.360	91	74772	21.861	ug/l		97
80) 1,3,5-Trimethylbenzene	11.451	105	86843	22.591	ug/l		97
81) trans-1,4-Dichloro-2-b...	11.018	75	8394	20.262	ug/l	#	80
82) 4-Chlorotoluene	11.451	91	83643	22.439	ug/l		99
83) tert-Butylbenzene	11.713	119	86114	21.802	ug/l		96
84) 1,2,4-Trimethylbenzene	11.750	105	85798	22.182	ug/l		100
85) sec-Butylbenzene	11.890	105	107683	22.760	ug/l		98
86) p-Isopropyltoluene	12.006	119	86148	22.531	ug/l		98
87) 1,3-Dichlorobenzene	11.969	146	41975	20.976	ug/l		100
88) 1,4-Dichlorobenzene	12.043	146	41462	20.480	ug/l		97
89) n-Butylbenzene	12.329	91	72708	22.079	ug/l		99
90) Hexachloroethane	12.536	117	14599	21.109	ug/l		97
91) 1,2-Dichlorobenzene	12.335	146	42440	21.142	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	7496	22.055	ug/l		91
93) 1,2,4-Trichlorobenzene	13.585	180	22997	20.120	ug/l		99
94) Hexachlorobutadiene	13.719	225	10176	21.715	ug/l		98
95) Naphthalene	13.774	128	88346	20.117	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	24449	20.276	ug/l		99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032525\
Data File : VX045436.D
Acq On : 25 Mar 2025 13:35
Operator : JC/MD
Sample : VX0325WBS02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0325WBS02

Quant Time: Mar 26 01:37:05 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

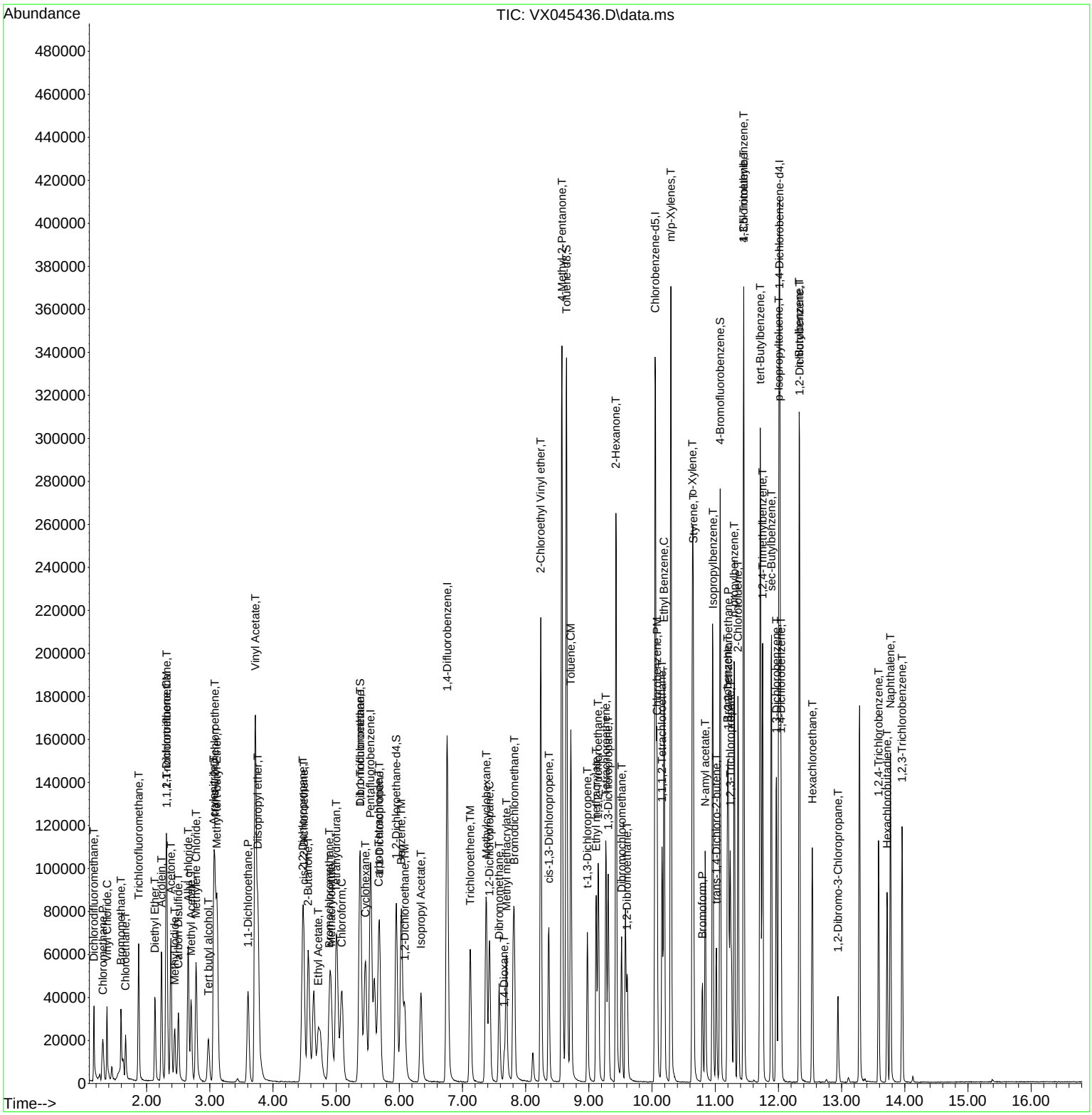
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

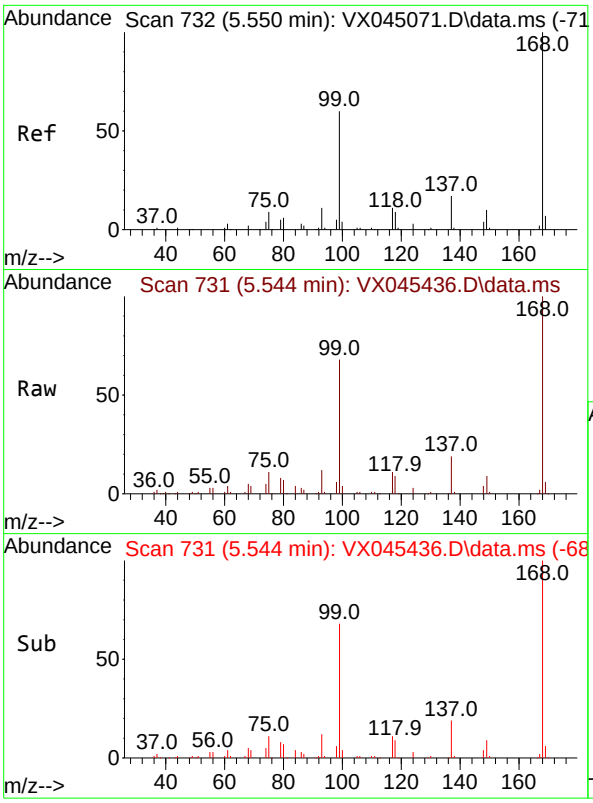
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032525\
Data File : VX045436.D
Acq On : 25 Mar 2025 13:35
Operator : JC/MD
Sample : VX0325WBS02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0325WBS02

Quant Time: Mar 26 01:37:05 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



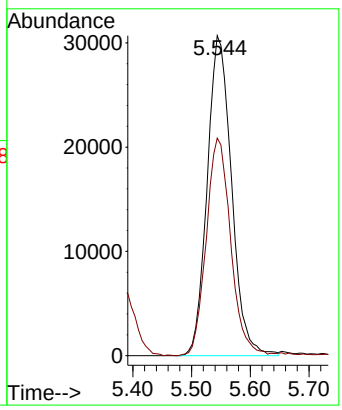


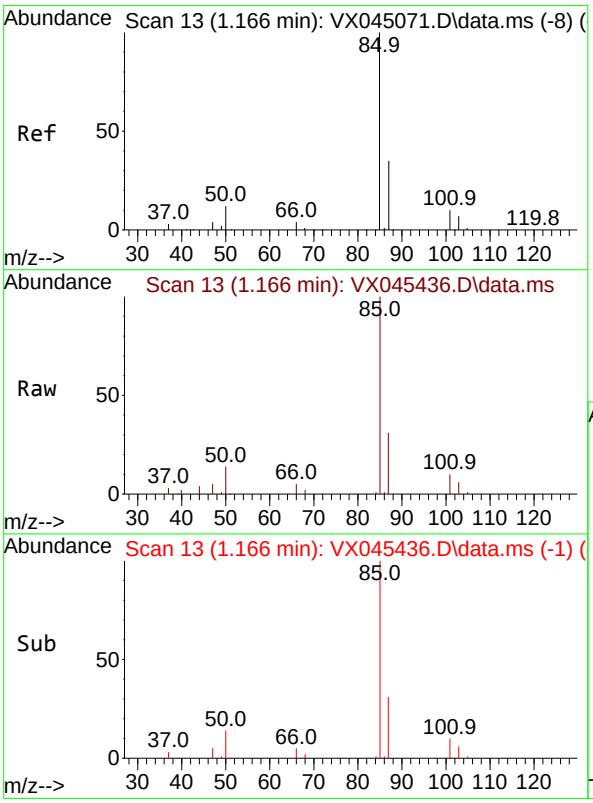
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045436.D
Acq: 25 Mar 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
VX0325WBS02

Tgt Ion:168 Resp: 88260

Ion	Ratio	Lower	Upper
168	100		
99	68.0	48.2	72.4

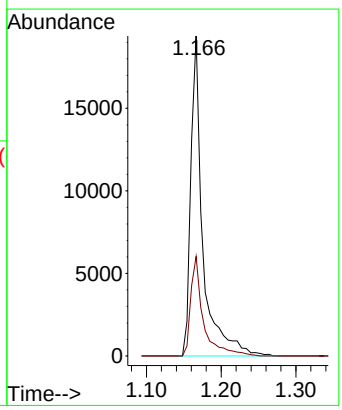


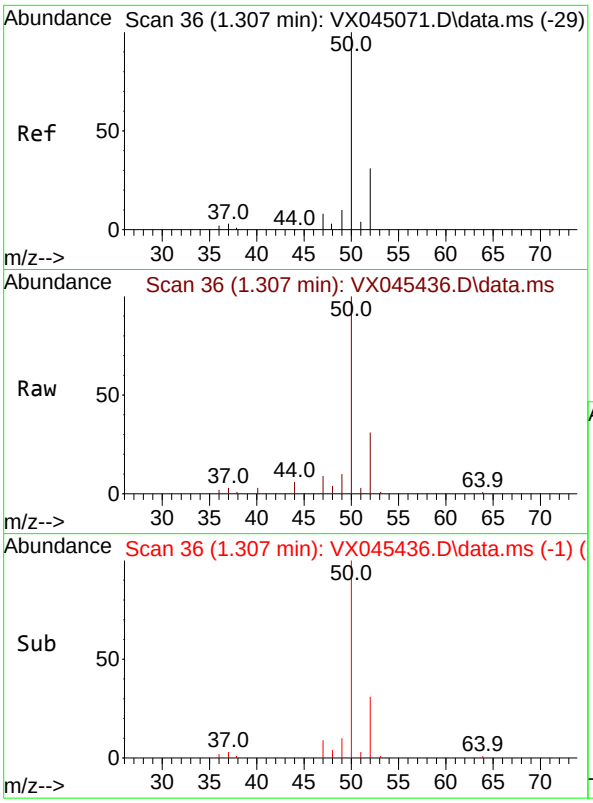


#2
Dichlorodifluoromethane
Concen: 19.473 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX045436.D
Acq: 25 Mar 2025 13:35

Tgt Ion: 85 Resp: 21634

Ion	Ratio	Lower	Upper
85	100		
87	31.1	17.4	52.3



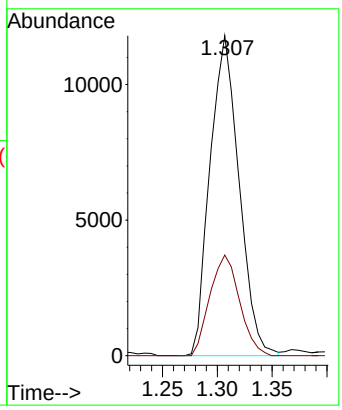


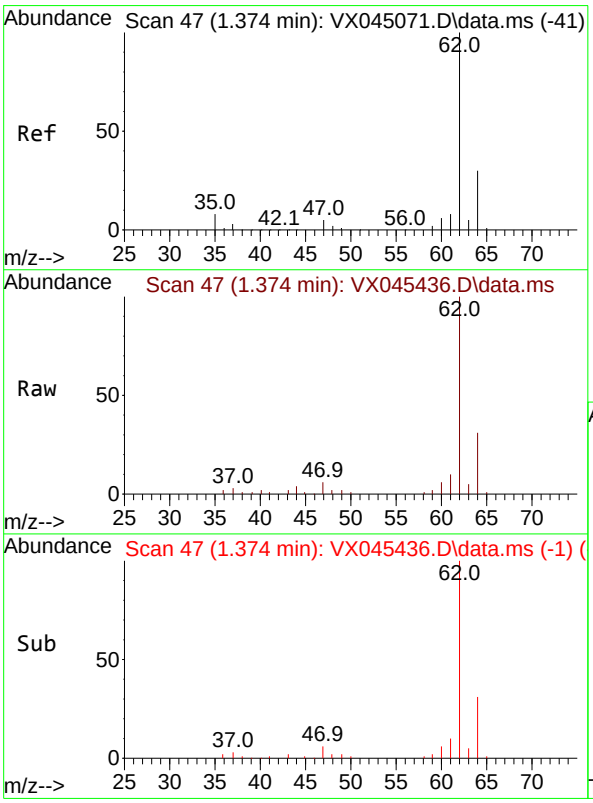
#3
Chloromethane
Concen: 16.008 ug/l
RT: 1.307 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045436.D
Acq: 25 Mar 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
VX0325WBS02

Tgt Ion: 50 Resp: 21765

Ion	Ratio	Lower	Upper
50	100		
52	31.5	25.0	37.4

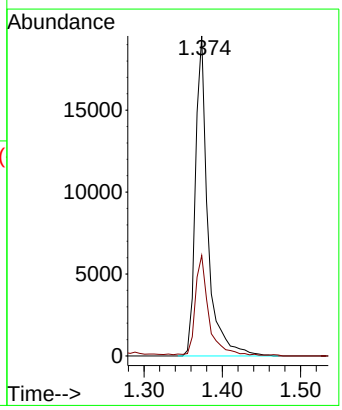


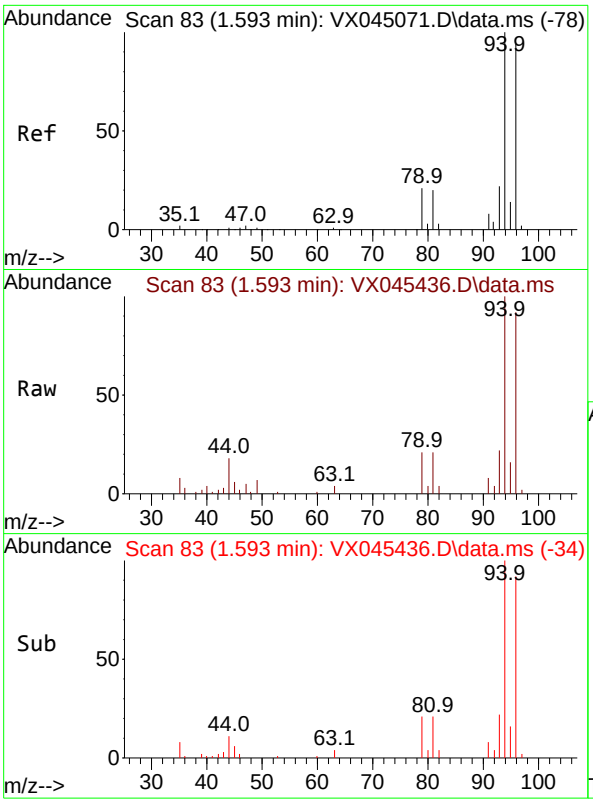


#4
Vinyl Chloride
Concen: 15.950 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX045436.D
Acq: 25 Mar 2025 13:35

Tgt Ion: 62 Resp: 21512

Ion	Ratio	Lower	Upper
62	100		
64	31.1	24.3	36.5



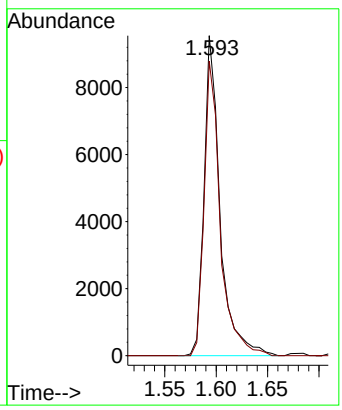


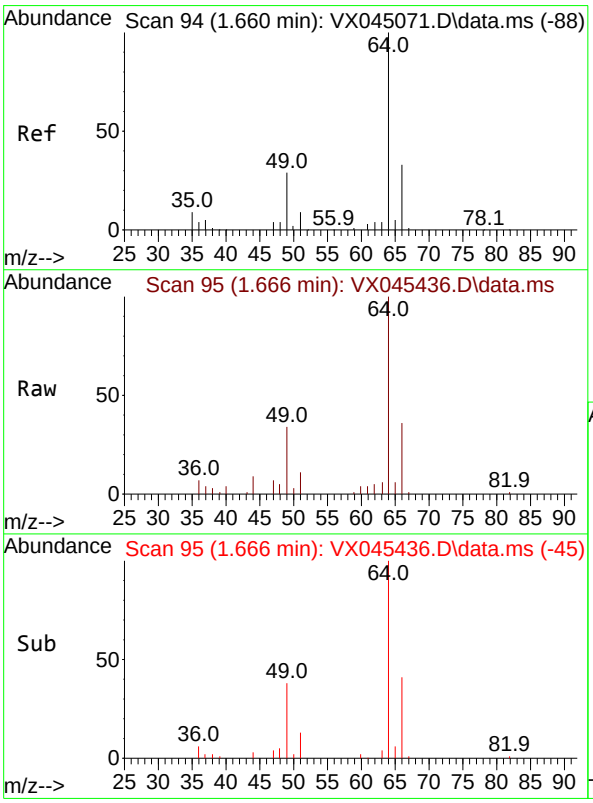
#5
Bromomethane
Concen: 19.558 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX045436.D
Acq: 25 Mar 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
VX0325WBS02

Tgt Ion: 94 Resp: 10370

Ion	Ratio	Lower	Upper
94	100		
96	92.1	75.0	112.4

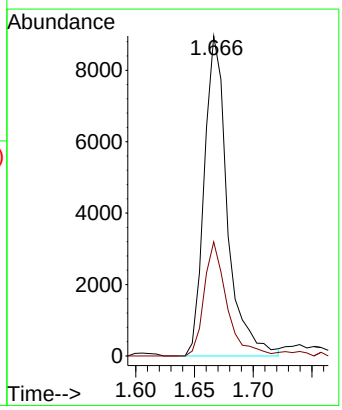


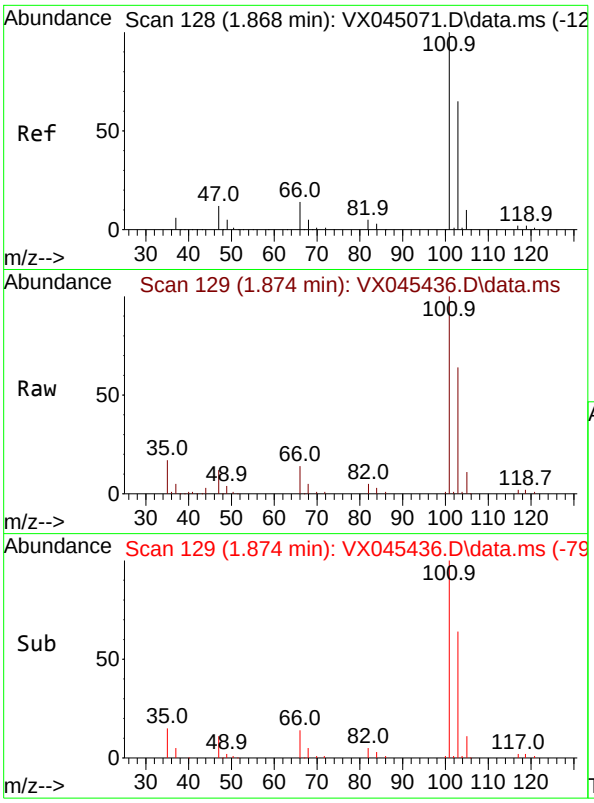


#6
Chloroethane
Concen: 19.726 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.006 min
Lab File: VX045436.D
Acq: 25 Mar 2025 13:35

Tgt Ion: 64 Resp: 12272

Ion	Ratio	Lower	Upper
64	100		
66	35.6	26.7	40.1



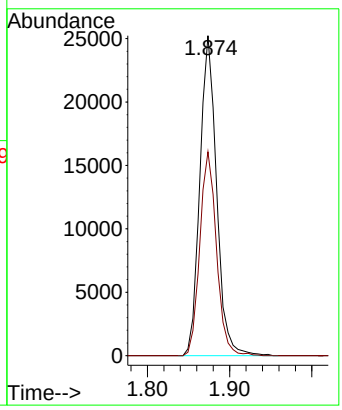


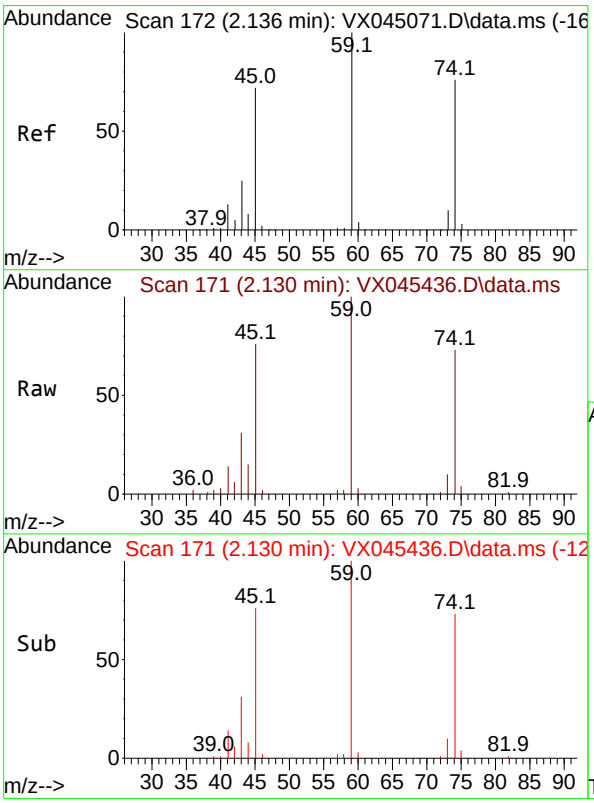
#7
Trichlorofluoromethane
Concen: 20.011 ug/l
RT: 1.874 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045436.D
Acq: 25 Mar 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
VX0325WBS02

Tgt Ion:101 Resp: 35730

Ion	Ratio	Lower	Upper
101	100		
103	63.7	52.1	78.1

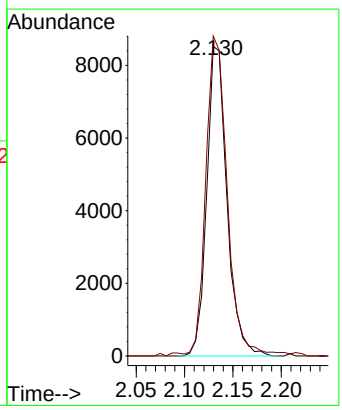


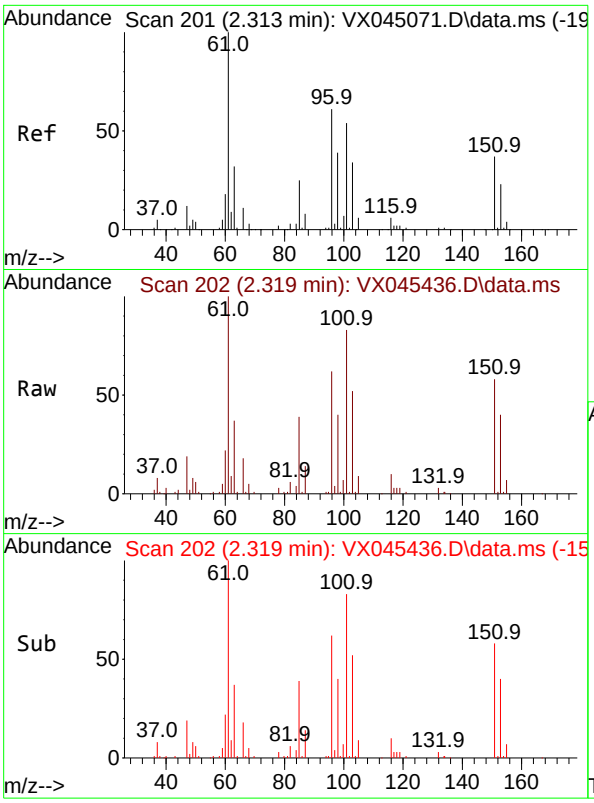


#8
Diethyl Ether
Concen: 17.761 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX045436.D
Acq: 25 Mar 2025 13:35

Tgt Ion: 74 Resp: 12404

Ion	Ratio	Lower	Upper
74	100		
45	111.0	51.5	154.5



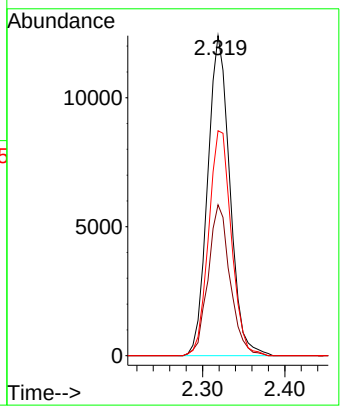


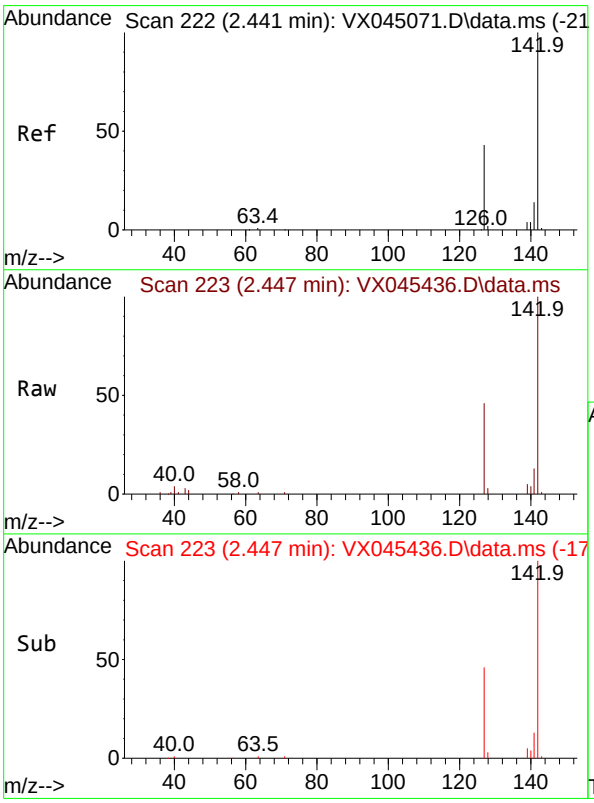
#9
1,1,2-Trichlorotrifluoroethane
Concen: 22.642 ug/l
RT: 2.319 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX045436.D
Acq: 25 Mar 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
VX0325WBS02

Tgt Ion:101 Resp: 23226

Ion	Ratio	Lower	Upper
101	100		
85	46.7	36.2	54.4
151	72.1	56.4	84.6

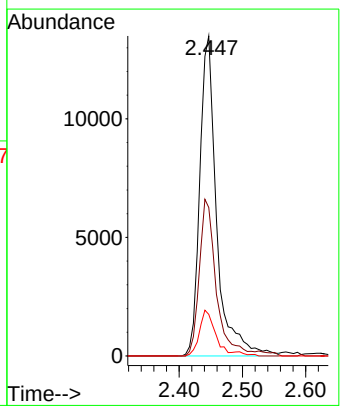


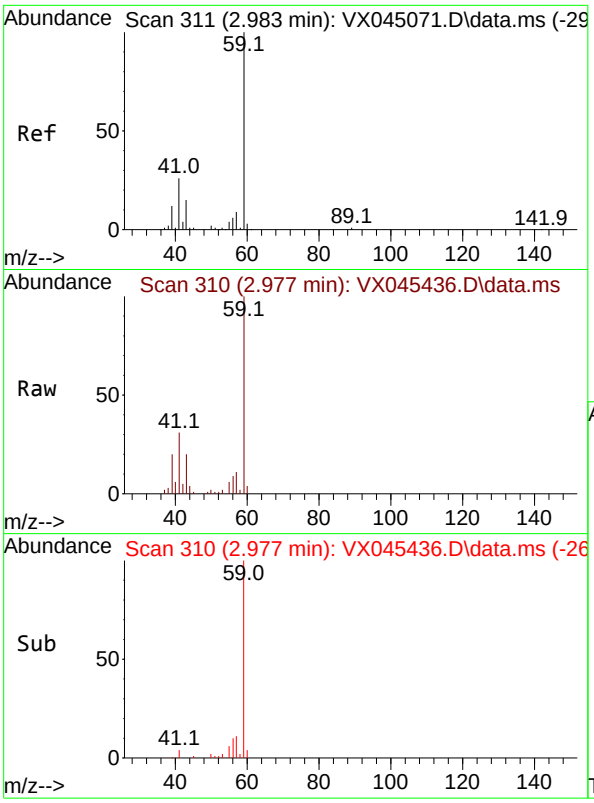


#10
Methyl Iodide
Concen: 19.598 ug/l
RT: 2.447 min Scan# 223
Delta R.T. 0.006 min
Lab File: VX045436.D
Acq: 25 Mar 2025 13:35

Tgt Ion:142 Resp: 25124

Ion	Ratio	Lower	Upper
142	100		
127	50.2	35.4	53.2
141	13.3	11.6	17.4



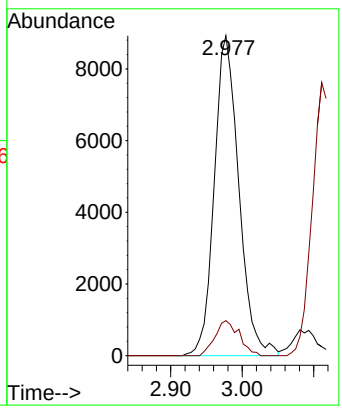


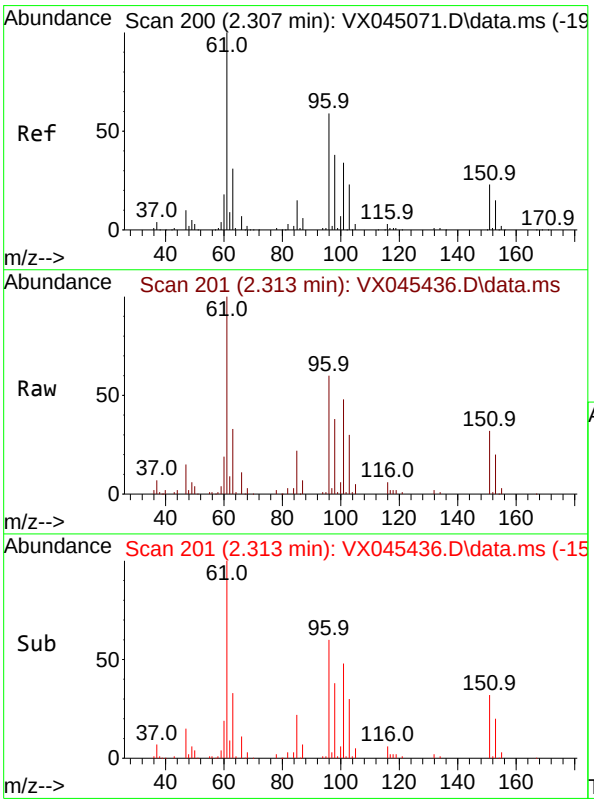
#11
Tert butyl alcohol
Concen: 80.091 ug/l
RT: 2.977 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045436.D
Acq: 25 Mar 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
VX0325WBS02

Tgt Ion: 59 Resp: 21298

Ion	Ratio	Lower	Upper
59	100		
57	10.8	7.8	11.8

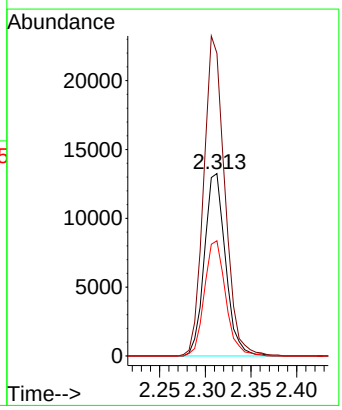


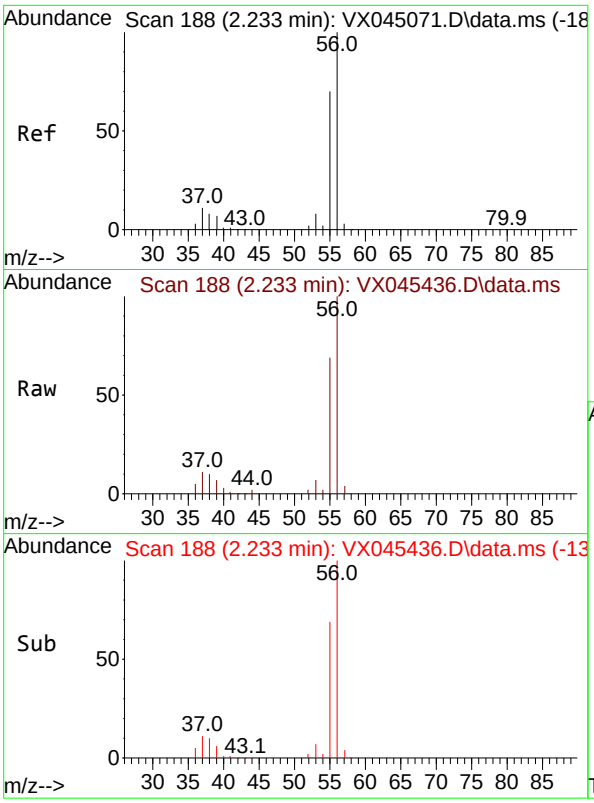


#12
1,1-Dichloroethene
Concen: 19.623 ug/l
RT: 2.313 min Scan# 201
Delta R.T. 0.006 min
Lab File: VX045436.D
Acq: 25 Mar 2025 13:35

Tgt Ion: 96 Resp: 21282

Ion	Ratio	Lower	Upper
96	100		
61	165.9	134.6	202.0
98	63.1	51.0	76.6



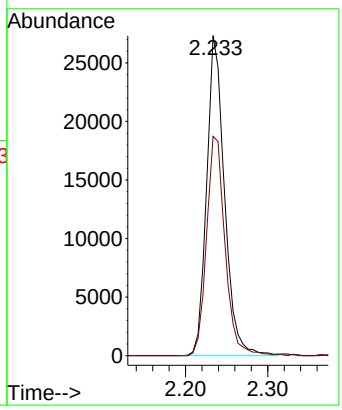


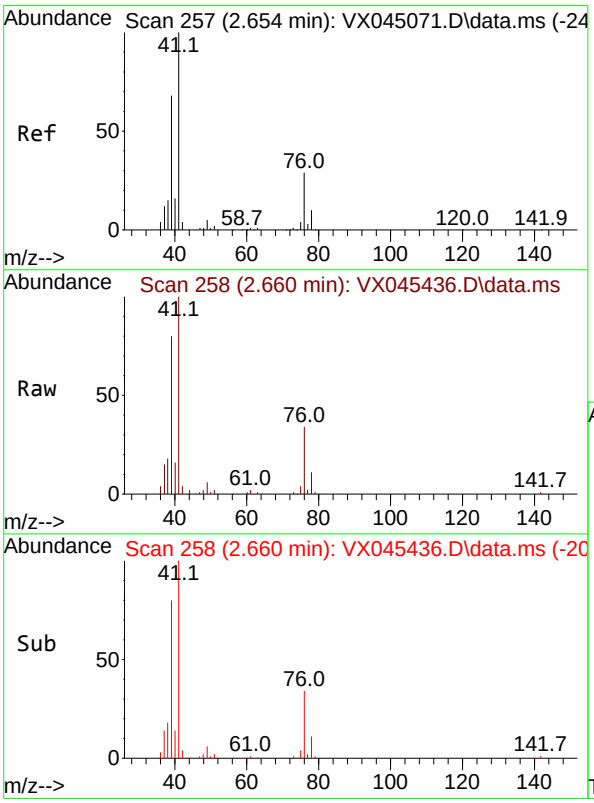
#13
Acrolein
Concen: 133.950 ug/l
RT: 2.233 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045436.D
Acq: 25 Mar 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
VX0325WBS02

Tgt Ion: 56 Resp: 41176

Ion	Ratio	Lower	Upper
56	100		
55	71.2	56.2	84.4

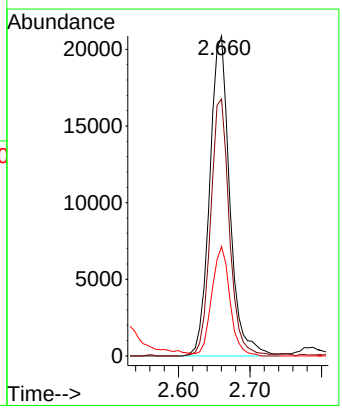


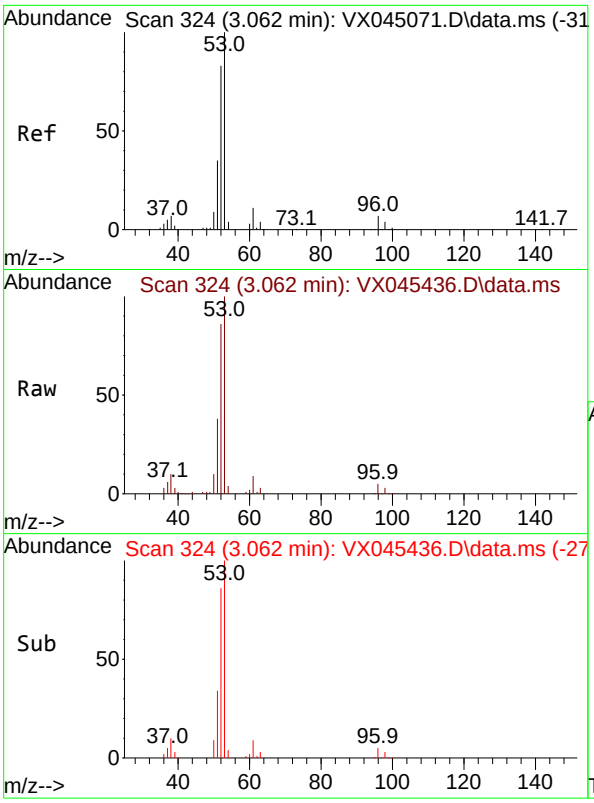


#14
Allyl chloride
Concen: 21.110 ug/l
RT: 2.660 min Scan# 258
Delta R.T. 0.006 min
Lab File: VX045436.D
Acq: 25 Mar 2025 13:35

Tgt Ion: 41 Resp: 40753

Ion	Ratio	Lower	Upper
41	100		
39	75.2	53.8	80.8
76	30.8	25.2	37.8



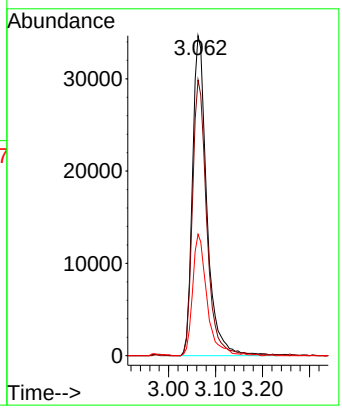


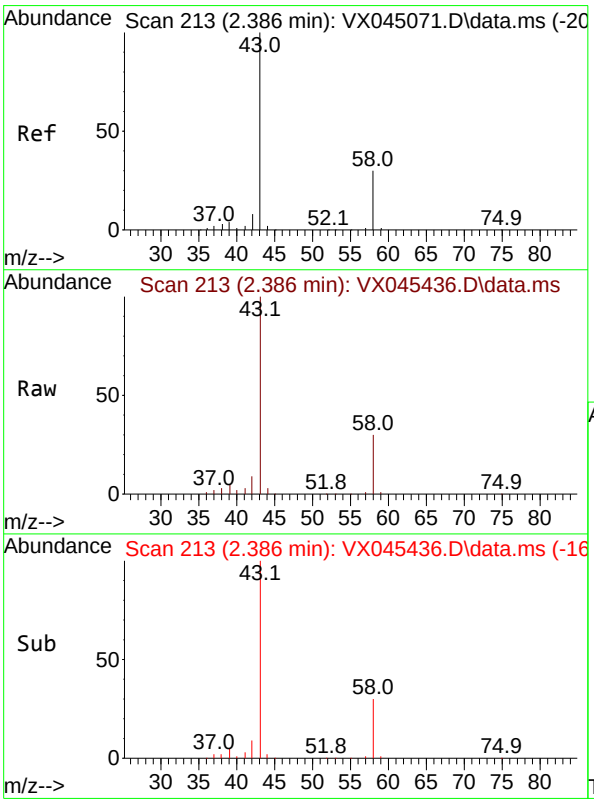
#15
Acrylonitrile
Concen: 103.983 ug/l
RT: 3.062 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045436.D
Acq: 25 Mar 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
VX0325WBS02

Tgt Ion: 53 Resp: 74109

Ion	Ratio	Lower	Upper
53	100		
52	85.3	66.2	99.2
51	38.0	29.0	43.4

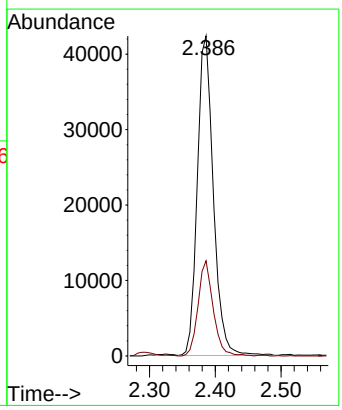


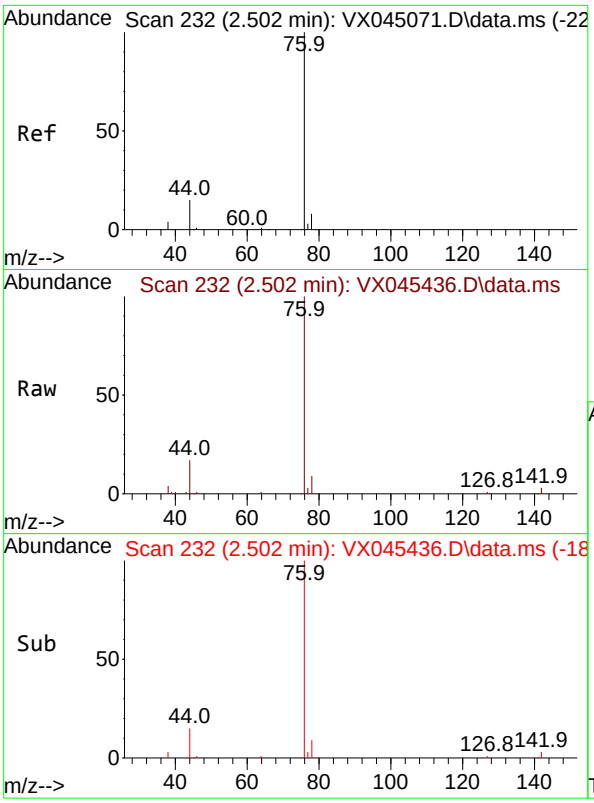


#16
Acetone
Concen: 110.107 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX045436.D
Acq: 25 Mar 2025 13:35

Tgt Ion: 43 Resp: 71720

Ion	Ratio	Lower	Upper
43	100		
58	29.8	24.2	36.4



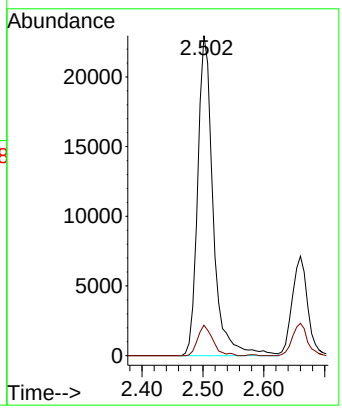


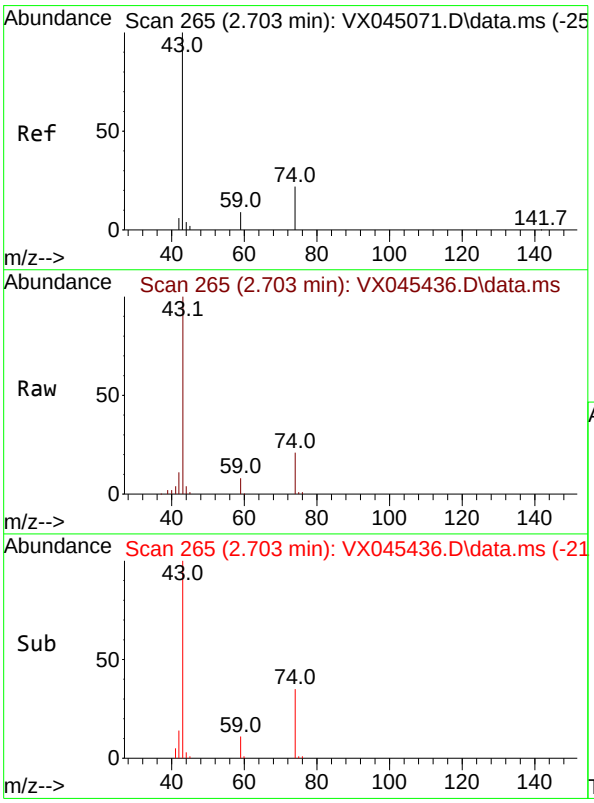
#17
Carbon Disulfide
Concen: 13.988 ug/l
RT: 2.502 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045436.D
Acq: 25 Mar 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
VX0325WBS02

Tgt Ion: 76 Resp: 40407

Ion	Ratio	Lower	Upper
76	100		
78	9.5	6.6	9.8

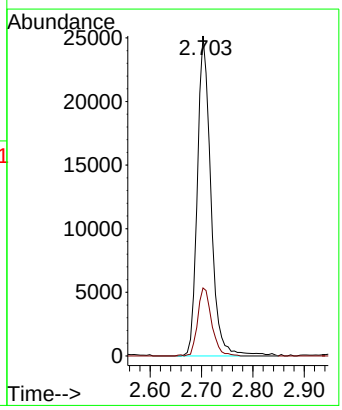


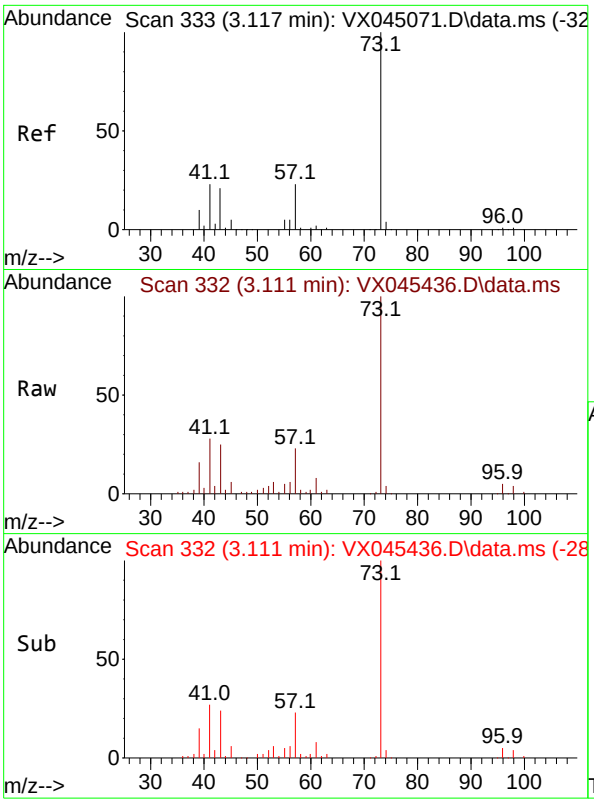


#18
Methyl Acetate
Concen: 29.376 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX045436.D
Acq: 25 Mar 2025 13:35

Tgt Ion: 43 Resp: 46032

Ion	Ratio	Lower	Upper
43	100		
74	21.8	17.4	26.2



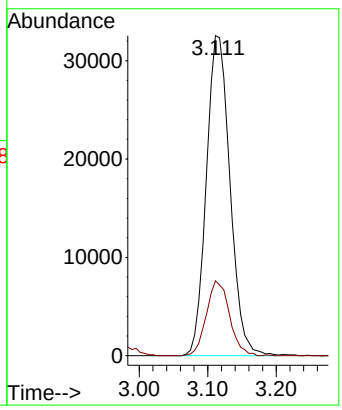


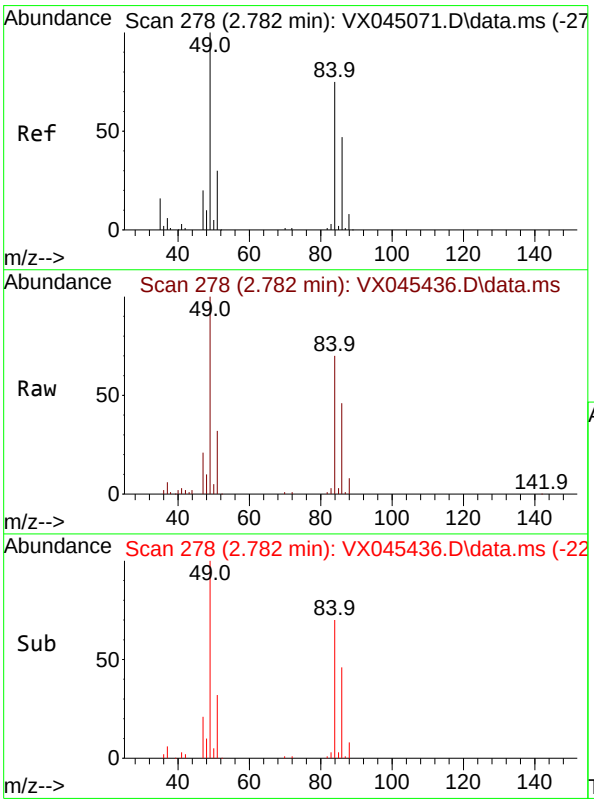
#19
Methyl tert-butyl Ether
Concen: 21.473 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045436.D
Acq: 25 Mar 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
VX0325WBS02

Tgt Ion: 73 Resp: 78132

Ion	Ratio	Lower	Upper
73	100		
57	23.4	18.5	27.7

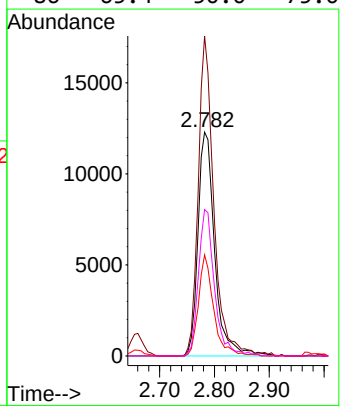


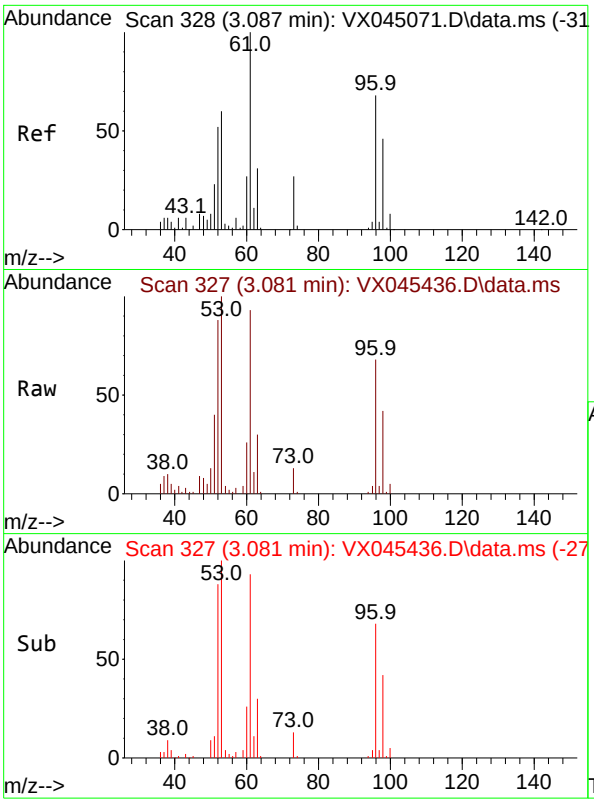


#20
Methylene Chloride
Concen: 20.238 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX045436.D
Acq: 25 Mar 2025 13:35

Tgt Ion: 84 Resp: 26113

Ion	Ratio	Lower	Upper
84	100		
49	143.0	106.5	159.7
51	45.2	32.1	48.1
86	65.4	50.0	75.0



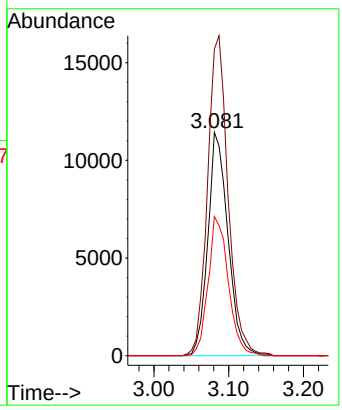


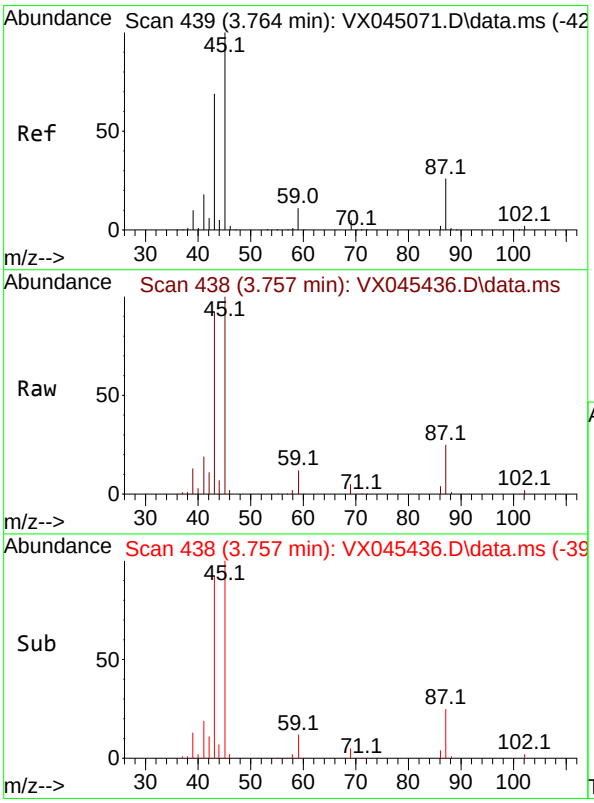
#21
trans-1,2-Dichloroethene
Concen: 20.072 ug/l
RT: 3.081 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045436.D
Acq: 25 Mar 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
VX0325WBS02

Tgt Ion: 96 Resp: 21506

Ion	Ratio	Lower	Upper
96	100		
61	137.2	117.0	175.4
98	62.3	53.4	80.2

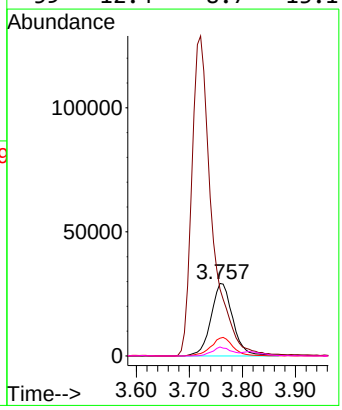


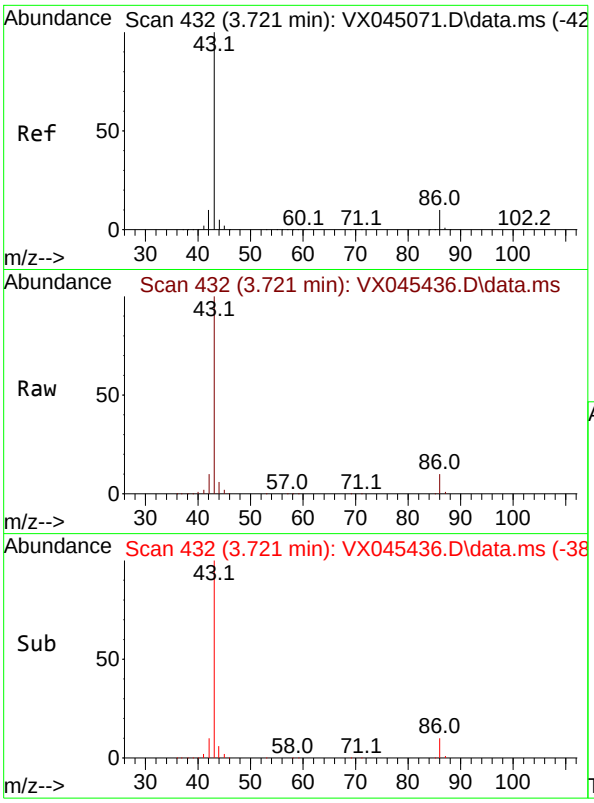


#22
Diisopropyl ether
Concen: 21.242 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.006 min
Lab File: VX045436.D
Acq: 25 Mar 2025 13:35

Tgt Ion: 45 Resp: 83401

Ion	Ratio	Lower	Upper
45	100		
43	91.4	54.9	82.3#
87	24.6	21.0	31.4
59	12.4	8.7	13.1



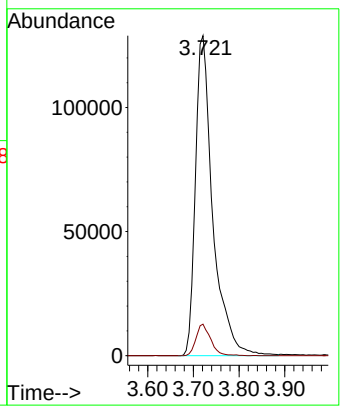


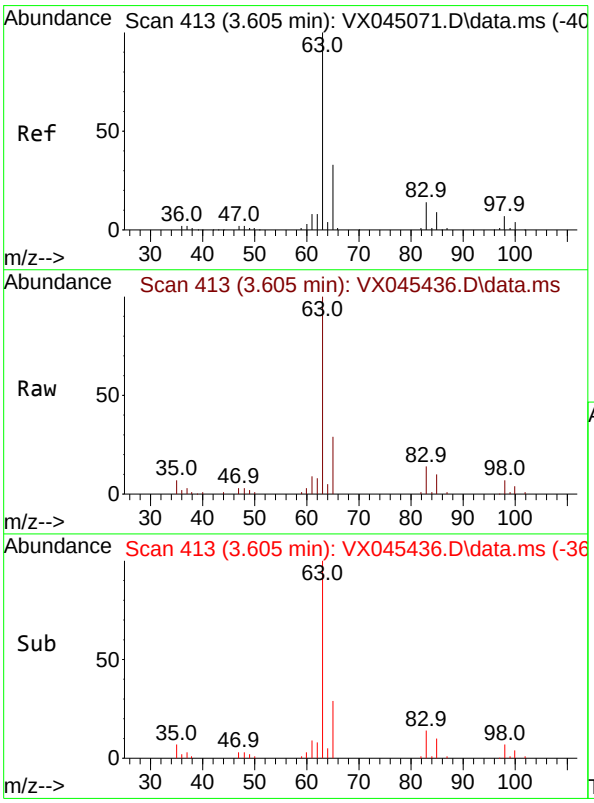
#23
Vinyl Acetate
Concen: 104.034 ug/l
RT: 3.721 min Scan# 4
Delta R.T. 0.000 min
Lab File: VX045436.D
Acq: 25 Mar 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
VX0325WBS02

Tgt Ion: 43 Resp: 340859

Ion	Ratio	Lower	Upper
43	100		
86	9.9	8.1	12.1

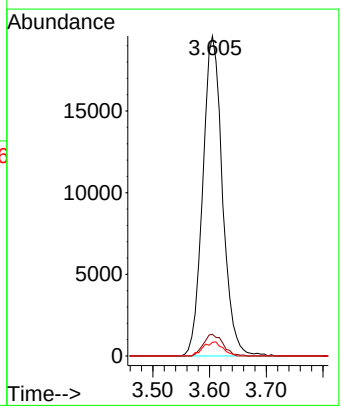


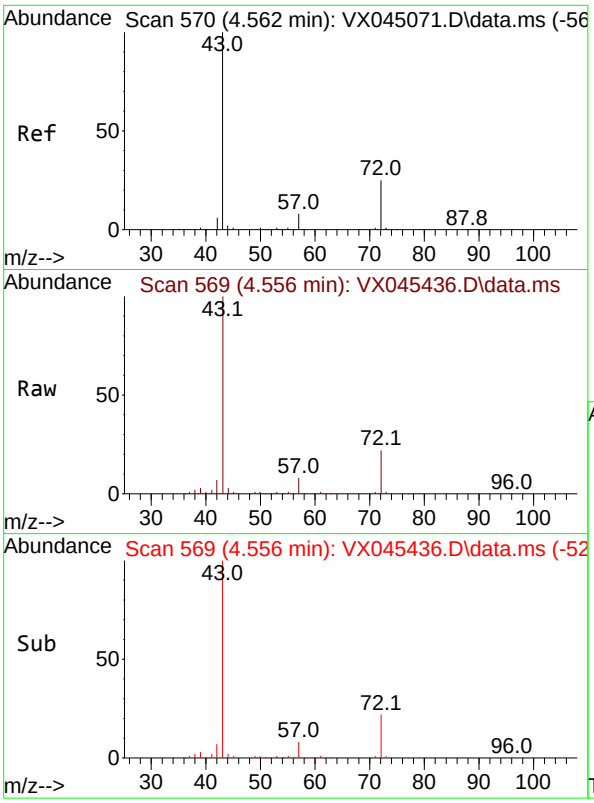


#24
1,1-Dichloroethane
Concen: 21.451 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX045436.D
Acq: 25 Mar 2025 13:35

Tgt Ion: 63 Resp: 47200

Ion	Ratio	Lower	Upper
63	100		
98	6.8	3.4	10.2
100	4.3	2.1	6.5



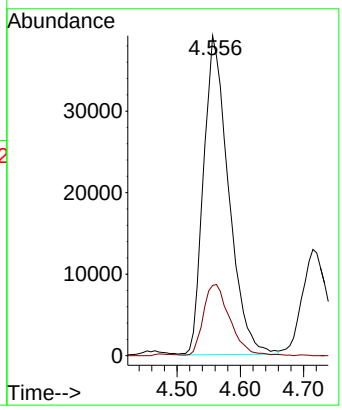


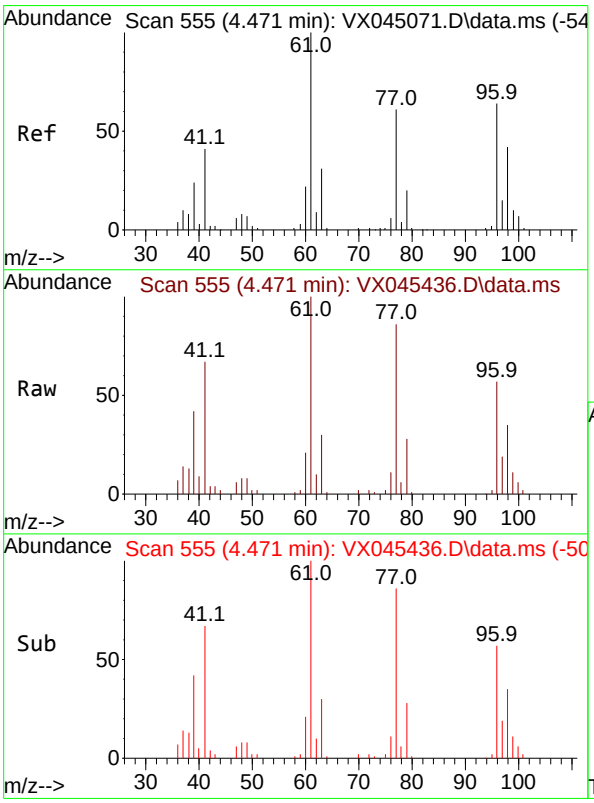
#25
2-Butanone
Concen: 110.005 ug/l
RT: 4.556 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX045436.D
Acq: 25 Mar 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
VX0325WBS02

Tgt Ion: 43 Resp: 107857

Ion	Ratio	Lower	Upper
43	100		
72	21.8	20.0	30.0

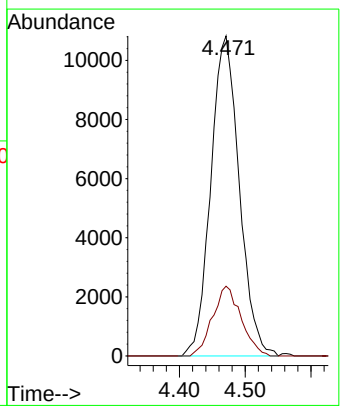


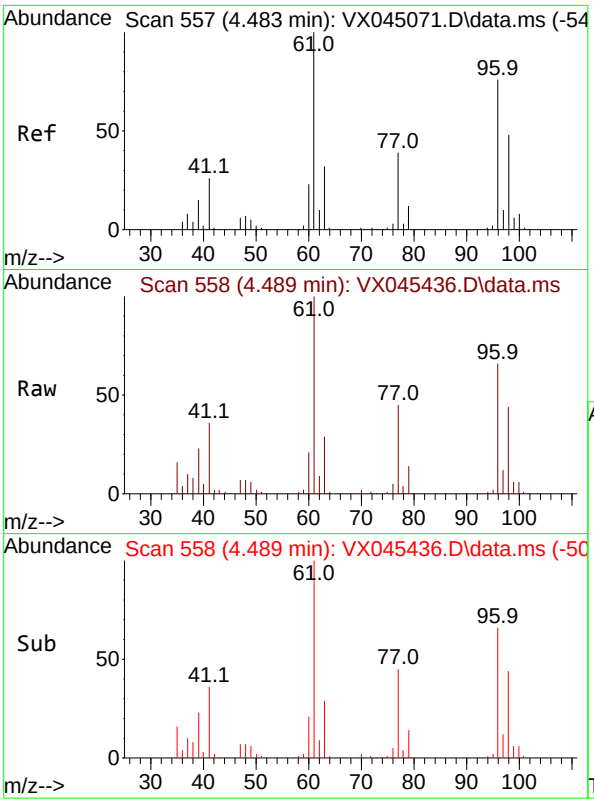


#26
2,2-Dichloropropane
Concen: 31.616 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.000 min
Lab File: VX045436.D
Acq: 25 Mar 2025 13:35

Tgt Ion: 77 Resp: 32630

Ion	Ratio	Lower	Upper
77	100		
97	21.8	12.4	37.0



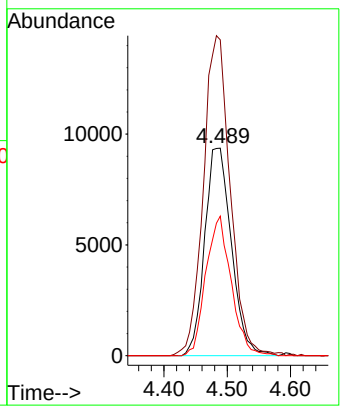


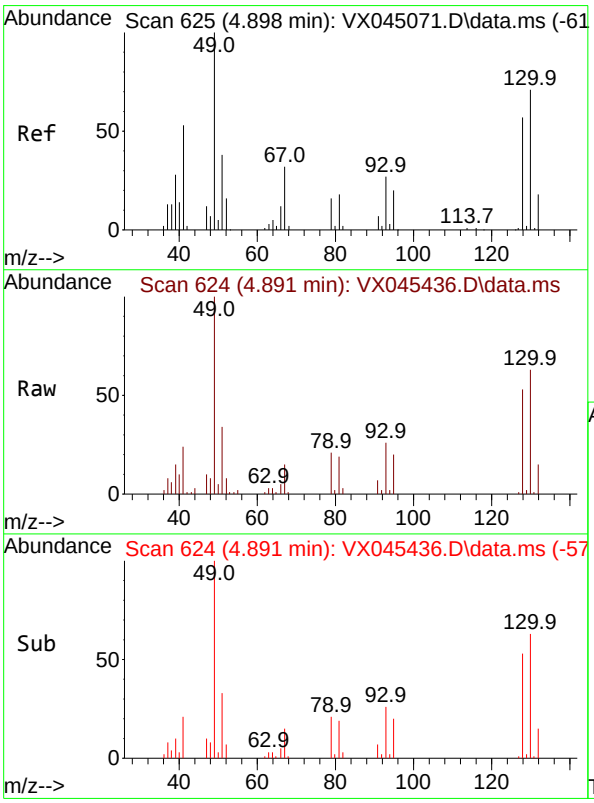
#27
cis-1,2-Dichloroethene
Concen: 20.781 ug/l
RT: 4.489 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX045436.D
Acq: 25 Mar 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
VX0325WBS02

Tgt Ion: 96 Resp: 27486

Ion	Ratio	Lower	Upper
96	100		
61	155.3	0.0	283.2
98	63.7	0.0	128.0

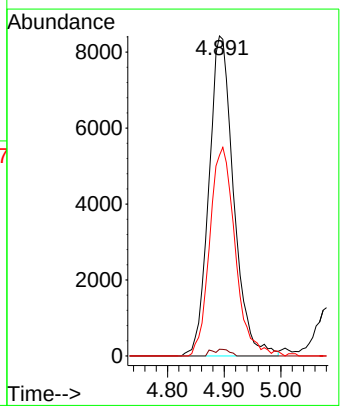


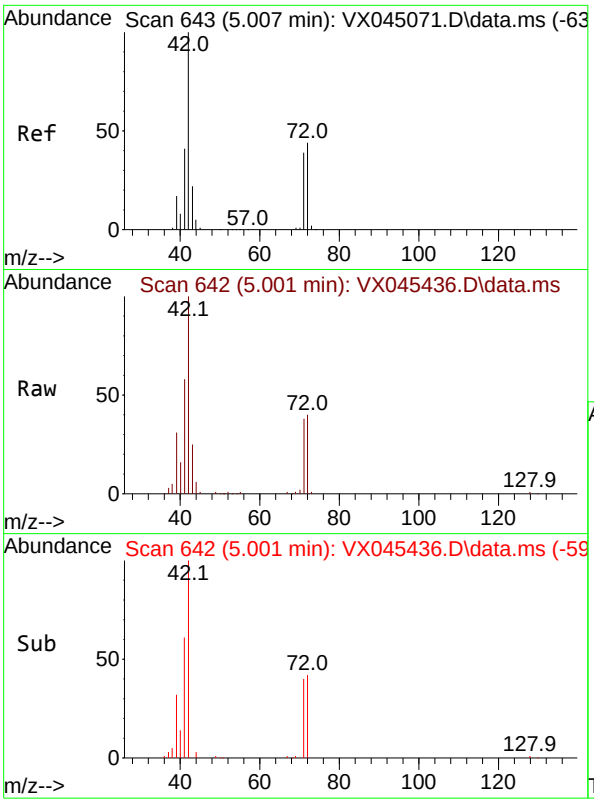


#28
Bromochloromethane
Concen: 24.329 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX045436.D
Acq: 25 Mar 2025 13:35

Tgt Ion: 49 Resp: 25516

Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	3.4
130	66.8	56.1	84.1



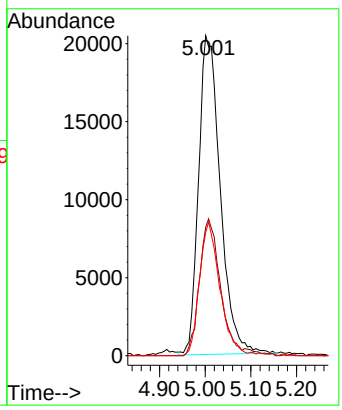


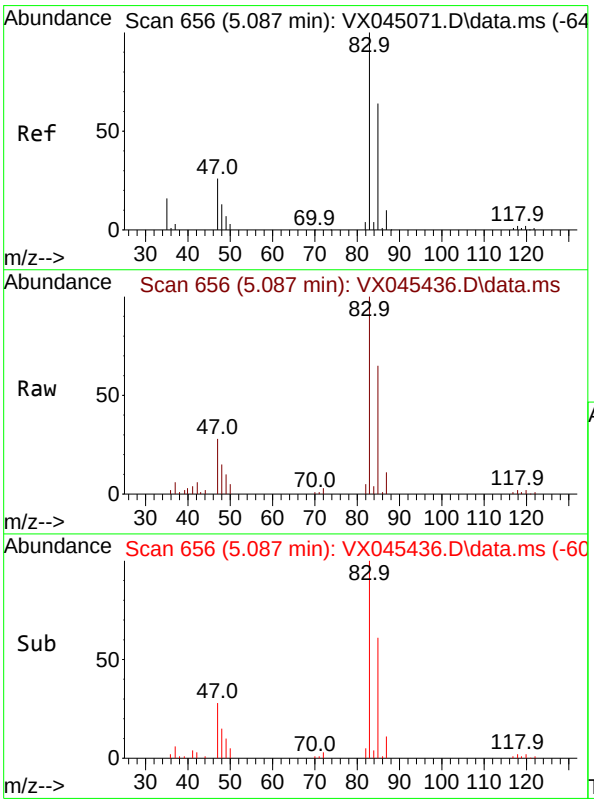
#29
Tetrahydrofuran
Concen: 102.332 ug/l
RT: 5.001 min Scan# 64
Delta R.T. -0.006 min
Lab File: VX045436.D
Acq: 25 Mar 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
VX0325WBS02

Tgt Ion: 42 Resp: 67379

Ion	Ratio	Lower	Upper
42	100		
72	40.8	34.1	51.1
71	39.6	31.4	47.0

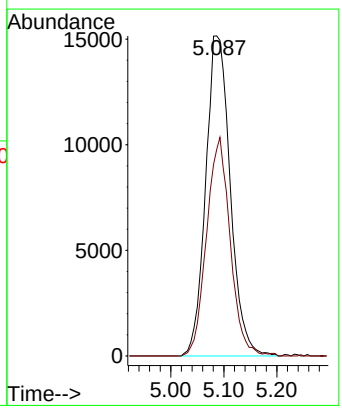


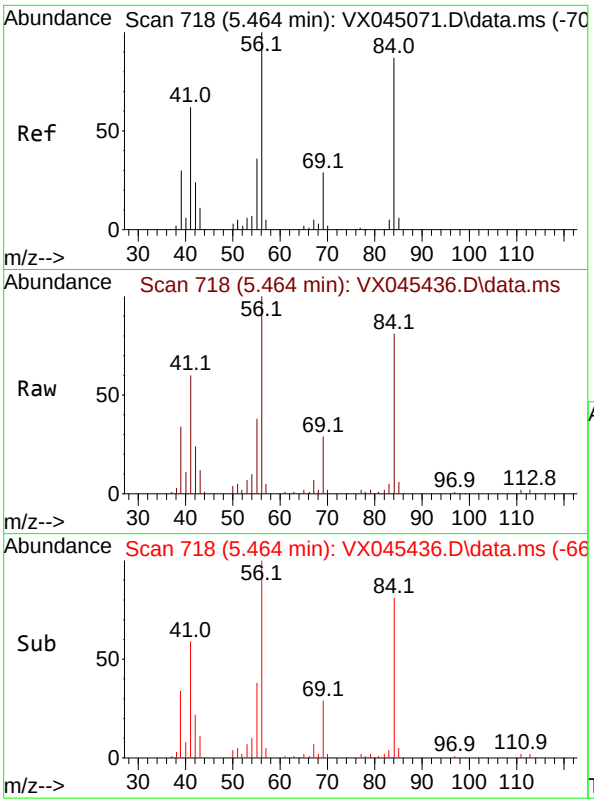


#30
Chloroform
Concen: 22.337 ug/l
RT: 5.087 min Scan# 656
Delta R.T. 0.000 min
Lab File: VX045436.D
Acq: 25 Mar 2025 13:35

Tgt Ion: 83 Resp: 48836

Ion	Ratio	Lower	Upper
83	100		
85	64.6	51.4	77.2



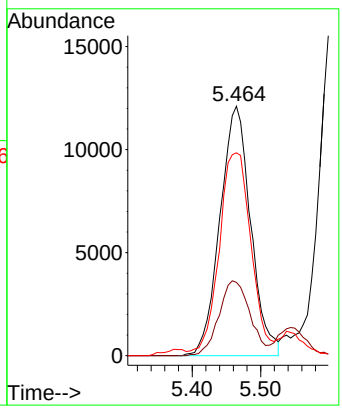


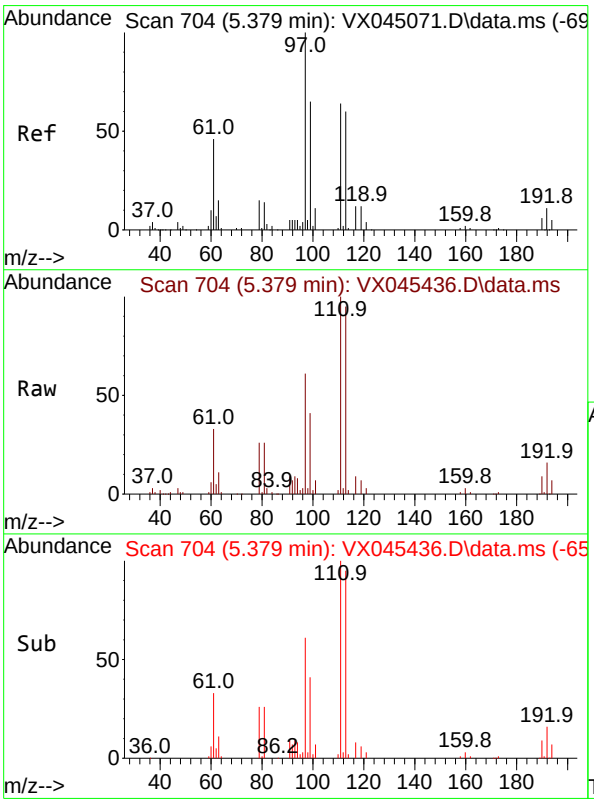
#31
Cyclohexane
Concen: 19.749 ug/l
RT: 5.464 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX045436.D
Acq: 25 Mar 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
VX0325WBS02

Tgt Ion: 56 Resp: 37722

Ion	Ratio	Lower	Upper
56	100		
69	29.4	23.4	35.2
84	78.9	69.4	104.2

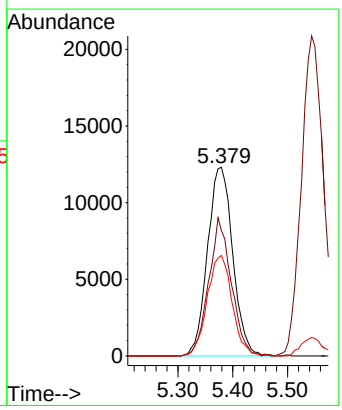


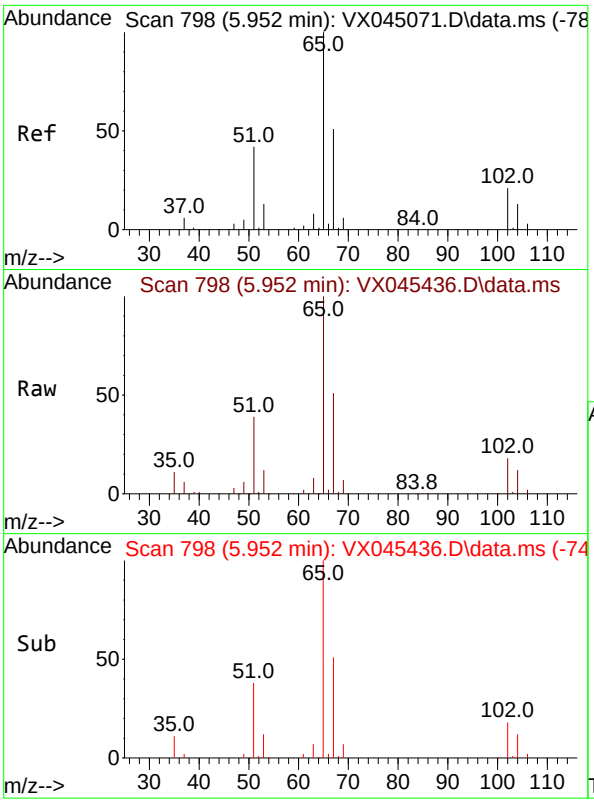


#32
1,1,1-Trichloroethane
Concen: 22.298 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX045436.D
Acq: 25 Mar 2025 13:35

Tgt Ion: 97 Resp: 39374

Ion	Ratio	Lower	Upper
97	100		
99	65.3	51.6	77.4
61	52.6	38.4	57.6



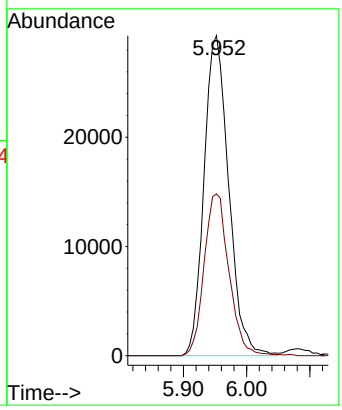


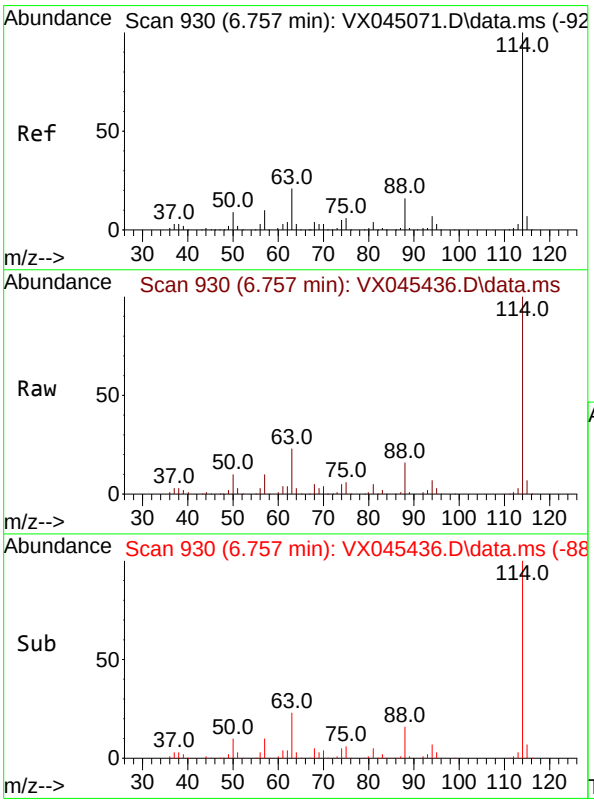
#33
1,2-Dichloroethane-d4
Concen: 56.626 ug/l
RT: 5.952 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX045436.D
Acq: 25 Mar 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
VX0325WBS02

Tgt Ion: 65 Resp: 79497

Ion	Ratio	Lower	Upper
65	100		
67	50.9	0.0	106.2

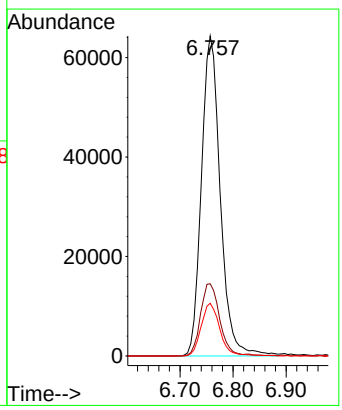


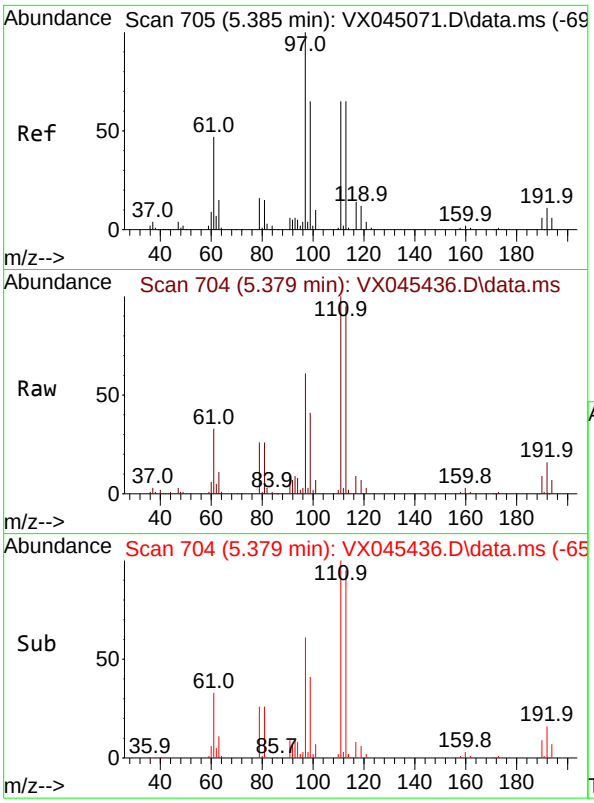


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX045436.D
Acq: 25 Mar 2025 13:35

Tgt Ion:114 Resp: 159282

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



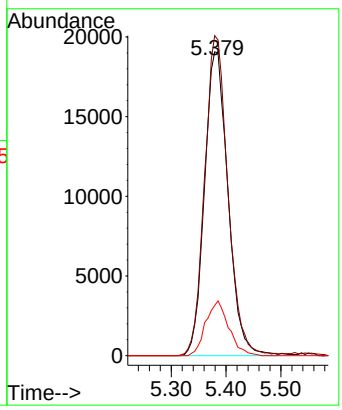


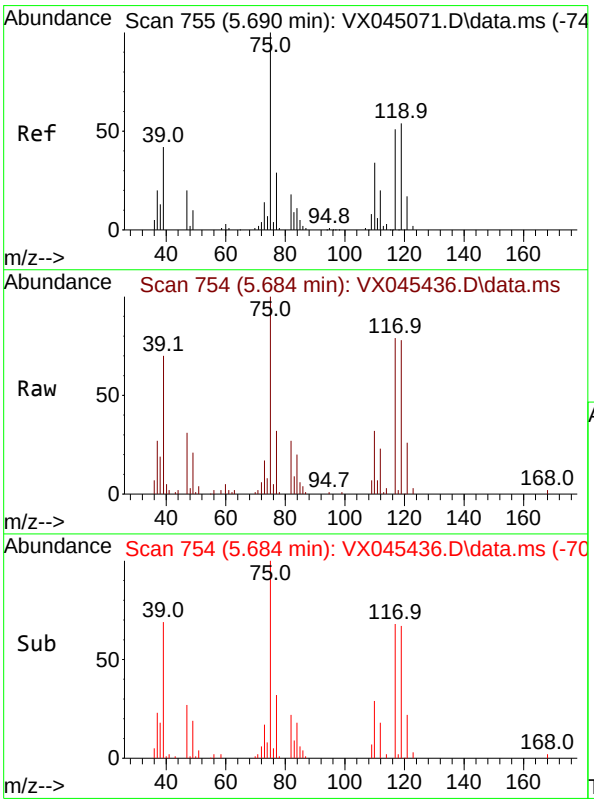
#35
Dibromofluoromethane
Concen: 53.413 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045436.D
Acq: 25 Mar 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
VX0325WBS02

Tgt Ion:113 Resp: 56889

Ion	Ratio	Lower	Upper
113	100		
111	104.3	81.8	122.6
192	17.6	14.3	21.5

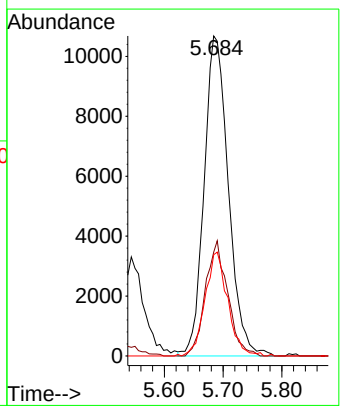


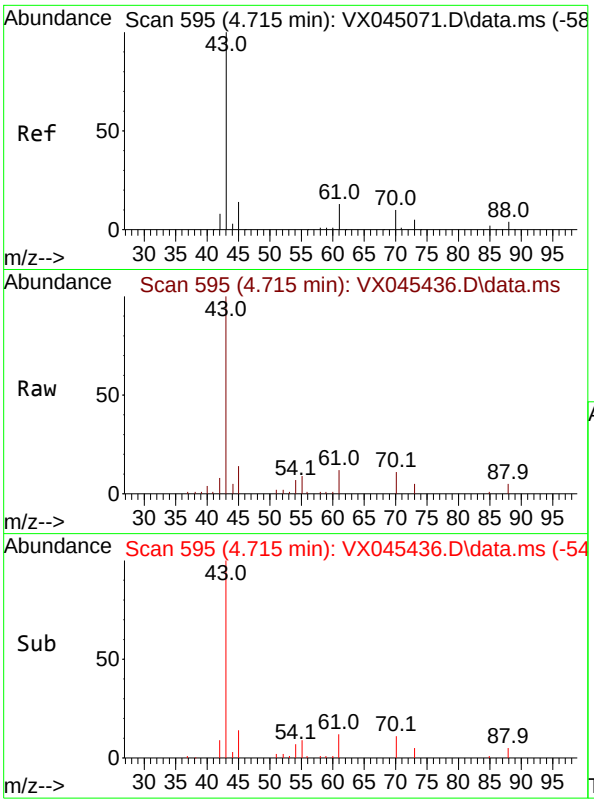


#36
1,1-Dichloropropene
Concen: 20.998 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX045436.D
Acq: 25 Mar 2025 13:35

Tgt Ion: 75 Resp: 30671

Ion	Ratio	Lower	Upper
75	100		
110	33.1	16.9	50.6
77	30.4	24.5	36.7



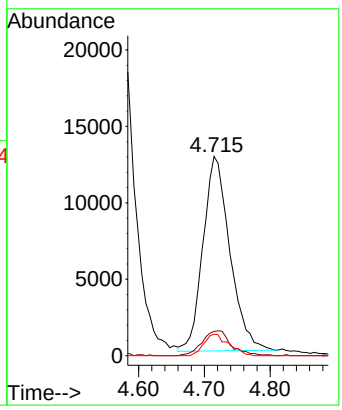


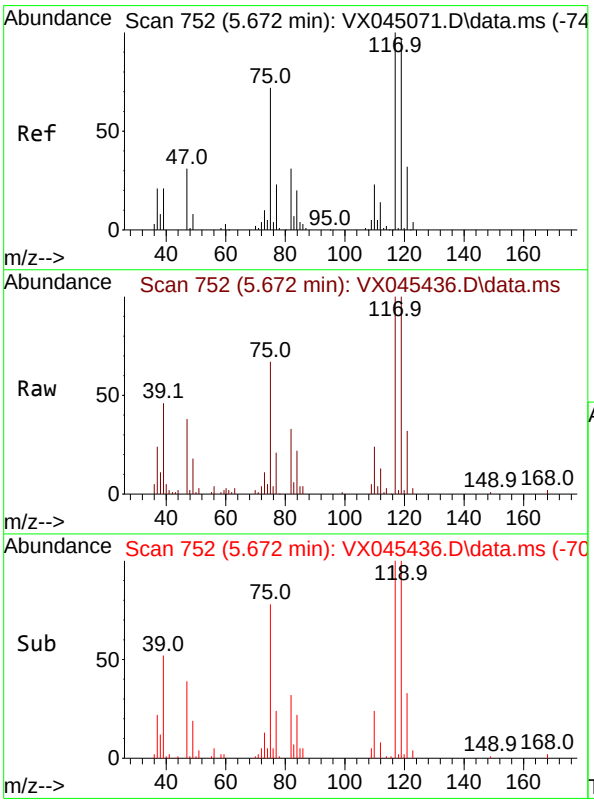
#37
Ethyl Acetate
Concen: 19.253 ug/l
RT: 4.715 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX045436.D
Acq: 25 Mar 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
VX0325WBS02

Tgt Ion: 43 Resp: 36236

Ion	Ratio	Lower	Upper
43	100		
61	13.8	10.8	16.2
70	10.2	7.7	11.5

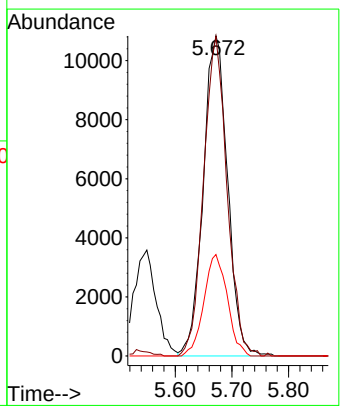


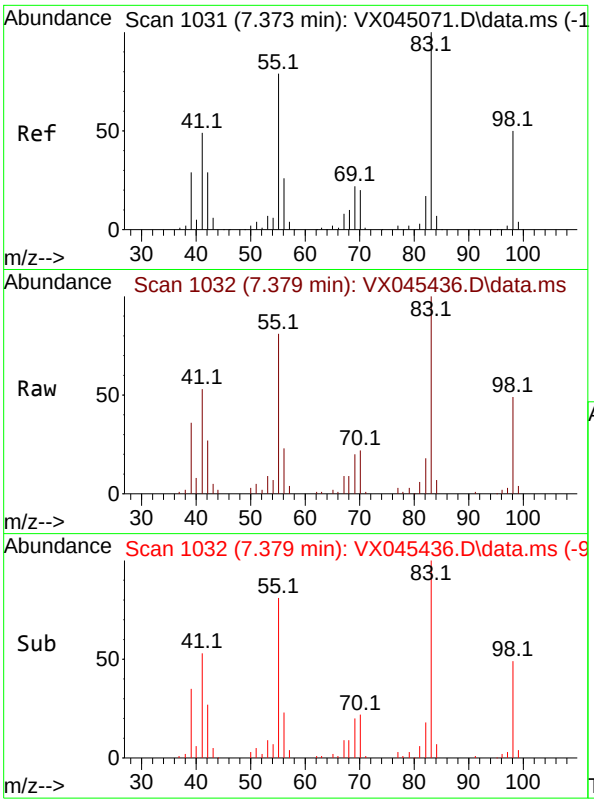


#38
Carbon Tetrachloride
Concen: 21.844 ug/l
RT: 5.672 min Scan# 752
Delta R.T. 0.000 min
Lab File: VX045436.D
Acq: 25 Mar 2025 13:35

Tgt Ion:117 Resp: 32393

Ion	Ratio	Lower	Upper
117	100		
119	99.8	76.7	115.1
121	31.7	25.5	38.3



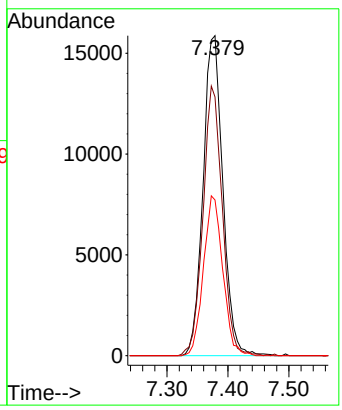


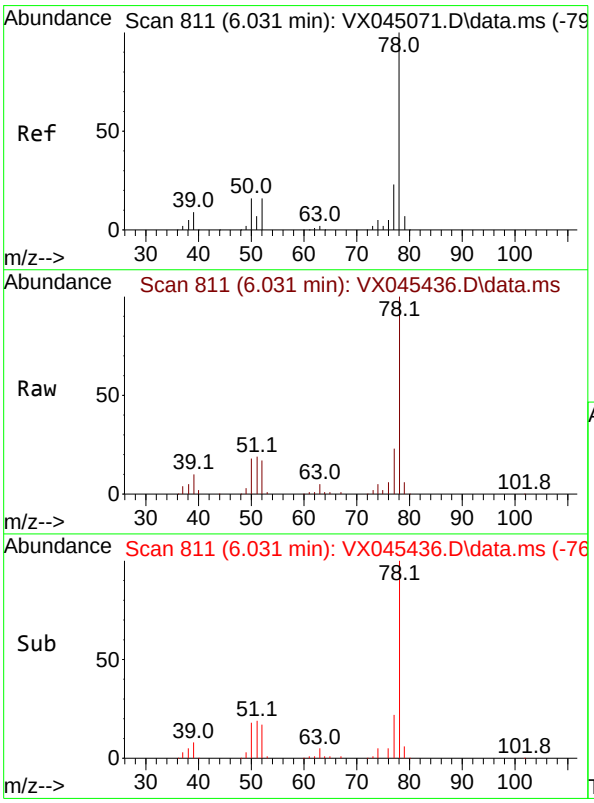
#39
Methylcyclohexane
Concen: 20.495 ug/l
RT: 7.379 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045436.D
Acq: 25 Mar 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
VX0325WBS02

Tgt Ion: 83 Resp: 35870

Ion	Ratio	Lower	Upper
83	100		
55	80.9	63.0	94.4
98	48.7	39.7	59.5

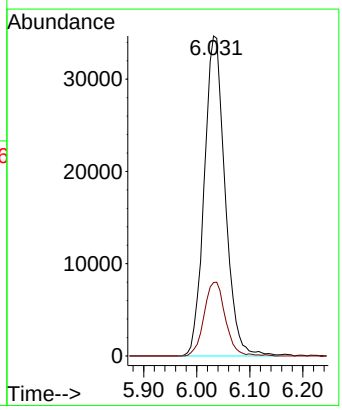


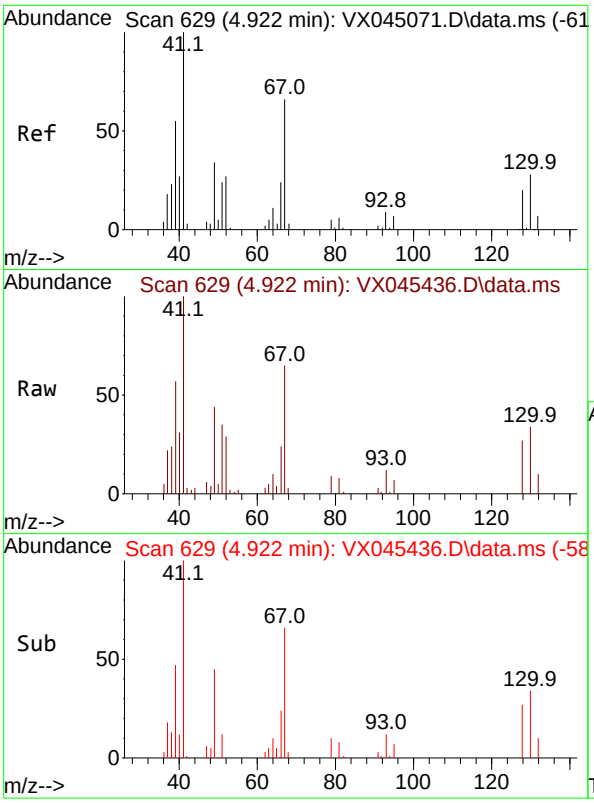


#40
Benzene
Concen: 20.503 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX045436.D
Acq: 25 Mar 2025 13:35

Tgt Ion: 78 Resp: 94569

Ion	Ratio	Lower	Upper
78	100		
77	22.9	18.8	28.2



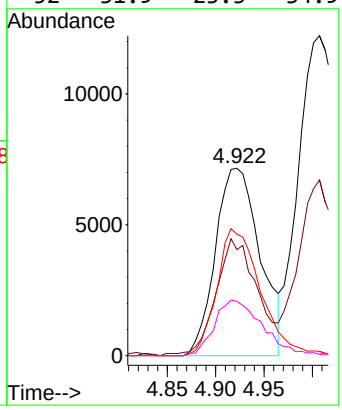


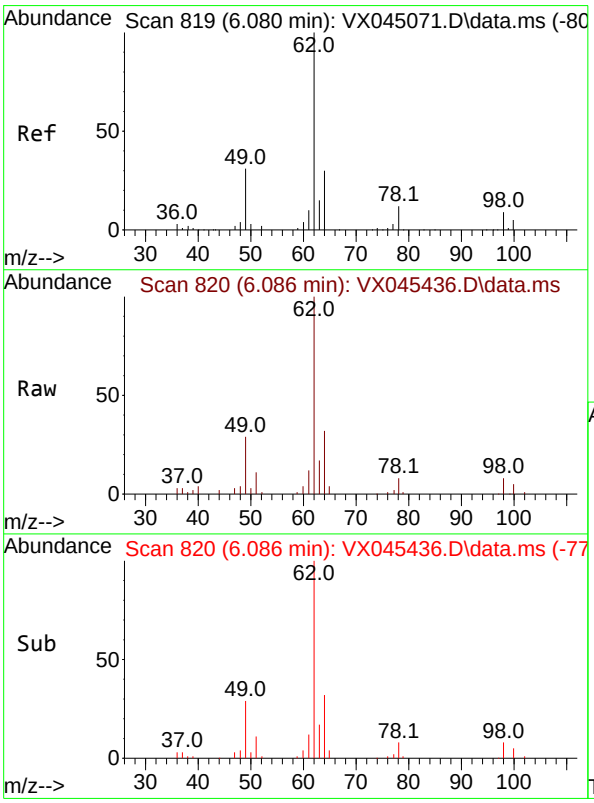
#41
Methacrylonitrile
Concen: 22.585 ug/l
RT: 4.922 min Scan# 6
Delta R.T. 0.000 min
Lab File: VX045436.D
Acq: 25 Mar 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
VX0325WBS02

Tgt Ion: 41 Resp: 22985

Ion	Ratio	Lower	Upper
41	100		
39	58.1	44.6	67.0
67	66.4	53.9	80.9
52	31.9	23.3	34.9

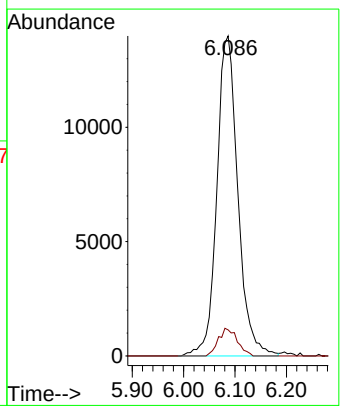


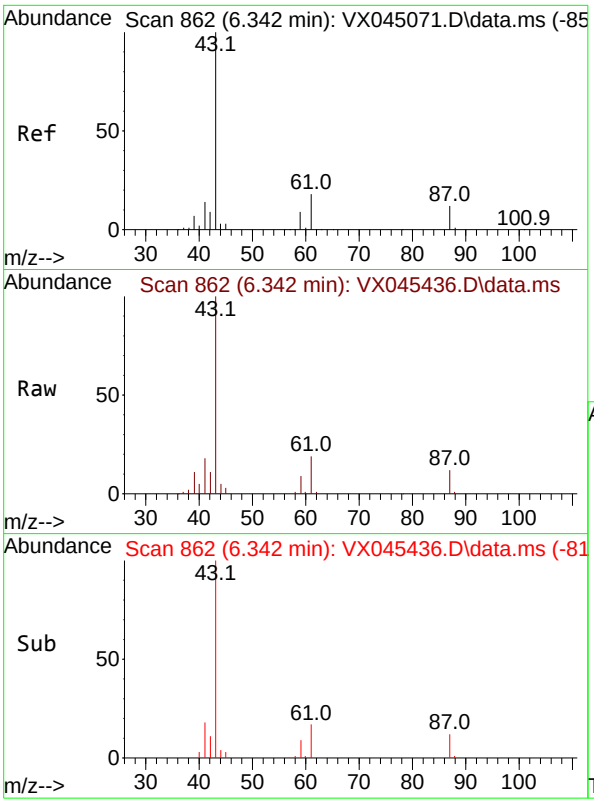


#42
1,2-Dichloroethane
Concen: 23.922 ug/l
RT: 6.086 min Scan# 820
Delta R.T. 0.006 min
Lab File: VX045436.D
Acq: 25 Mar 2025 13:35

Tgt Ion: 62 Resp: 39733

Ion	Ratio	Lower	Upper
62	100		
98	7.8	0.0	18.2



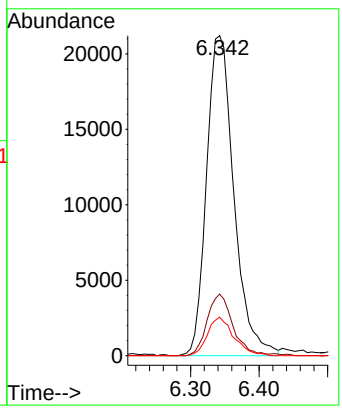


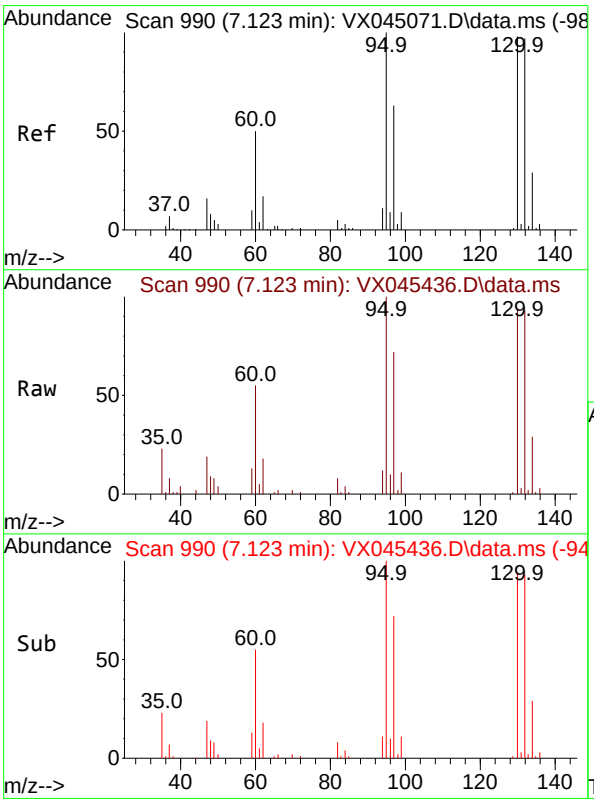
#43
Isopropyl Acetate
Concen: 21.175 ug/l
RT: 6.342 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX045436.D
Acq: 25 Mar 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
VX0325WBS02

Tgt Ion: 43 Resp: 58934

Ion	Ratio	Lower	Upper
43	100		
61	18.4	14.9	22.3
87	11.5	9.4	14.2

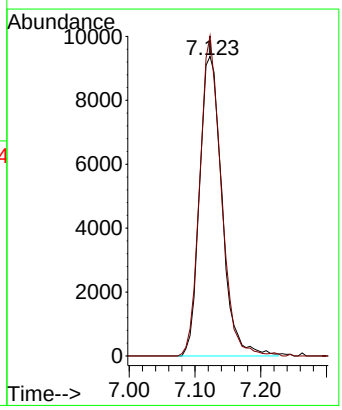


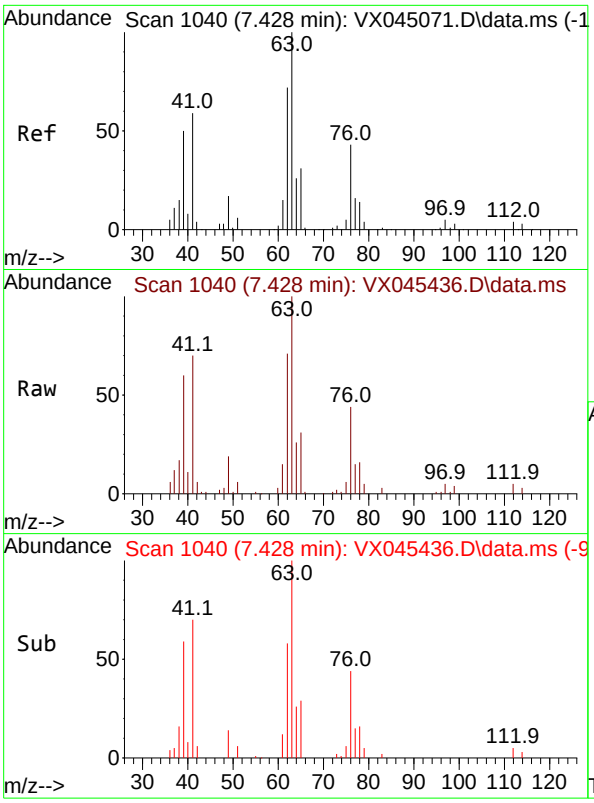


#44
Trichloroethene
Concen: 20.499 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX045436.D
Acq: 25 Mar 2025 13:35

Tgt Ion:130 Resp: 22201

Ion	Ratio	Lower	Upper
130	100		
95	106.8	0.0	205.0



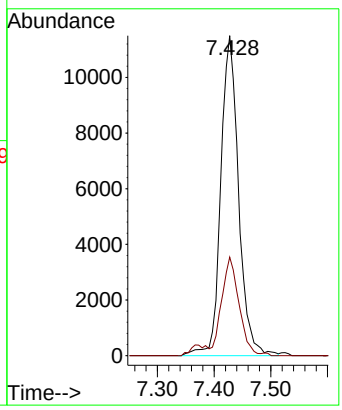


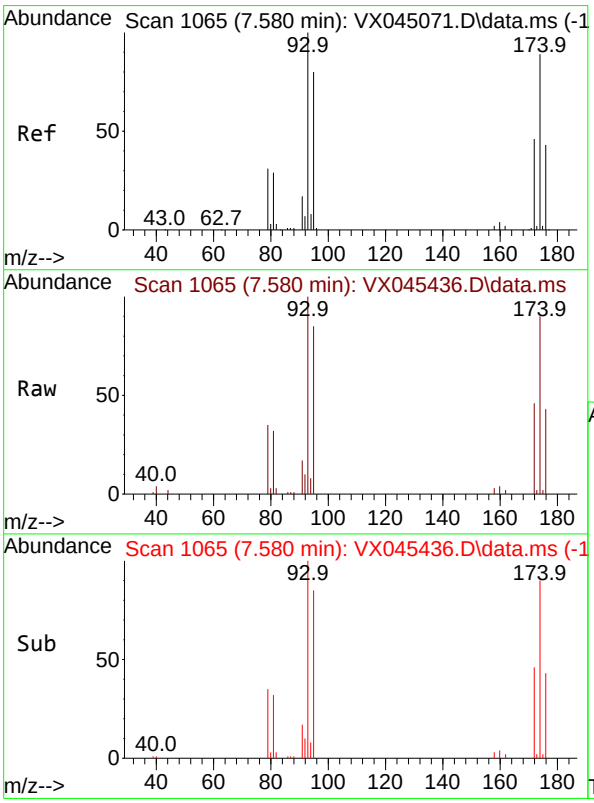
#45
1,2-Dichloropropane
Concen: 21.126 ug/l
RT: 7.428 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045436.D
Acq: 25 Mar 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
VX0325WBS02

Tgt Ion: 63 Resp: 25053

Ion	Ratio	Lower	Upper
63	100		
65	30.8	24.7	37.1

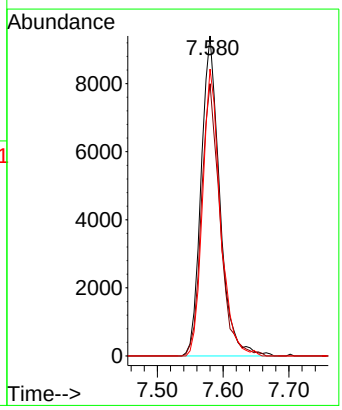


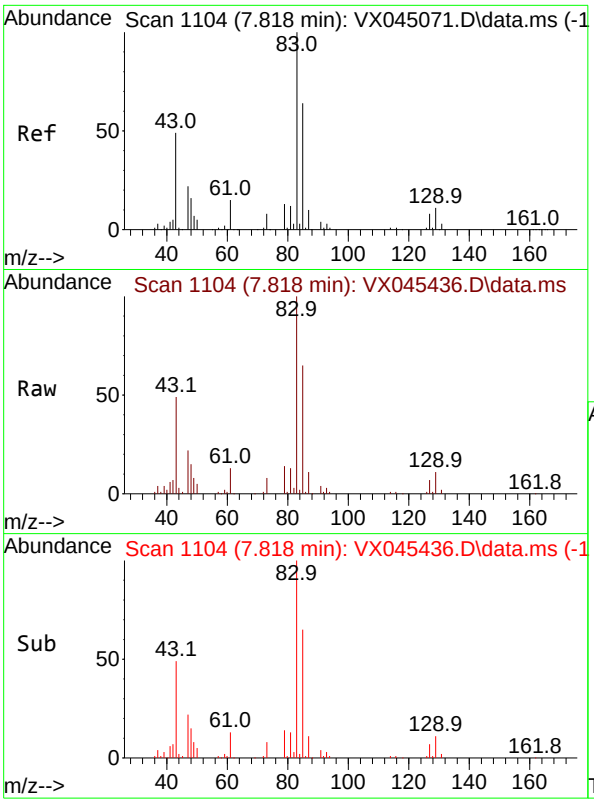


#46
Dibromomethane
Concen: 22.050 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. 0.000 min
Lab File: VX045436.D
Acq: 25 Mar 2025 13:35

Tgt Ion: 93 Resp: 18482

Ion	Ratio	Lower	Upper
93	100		
95	84.4	65.8	98.8
174	85.8	72.2	108.2



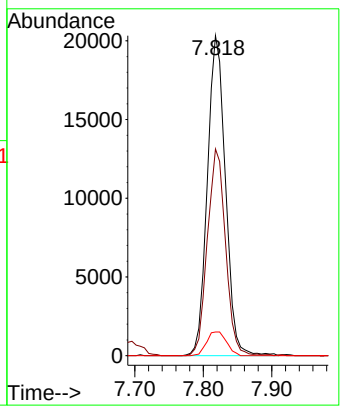


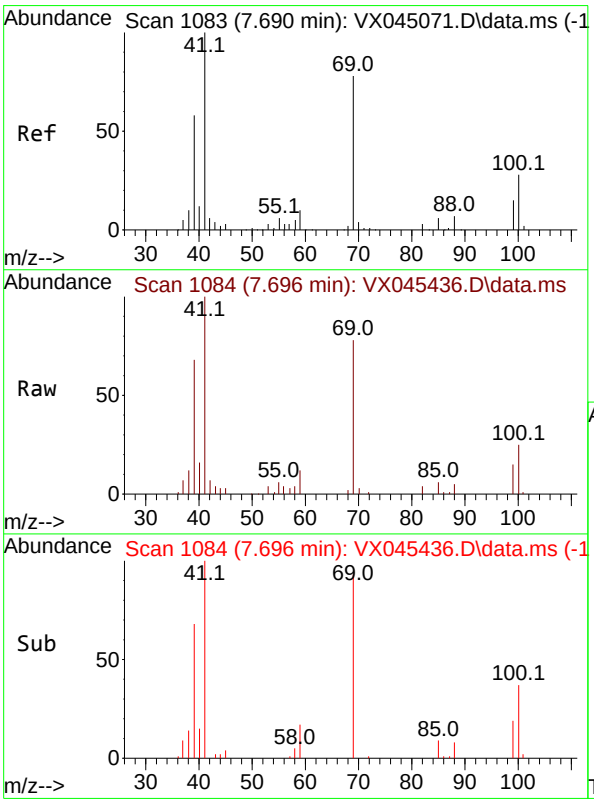
#47
Bromodichloromethane
Concen: 22.690 ug/l
RT: 7.818 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX045436.D
Acq: 25 Mar 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
VX0325WBS02

Tgt Ion: 83 Resp: 37305

Ion	Ratio	Lower	Upper
83	100		
85	64.6	51.1	76.7
127	7.4	6.4	9.6

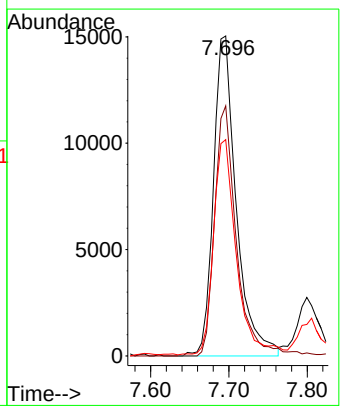


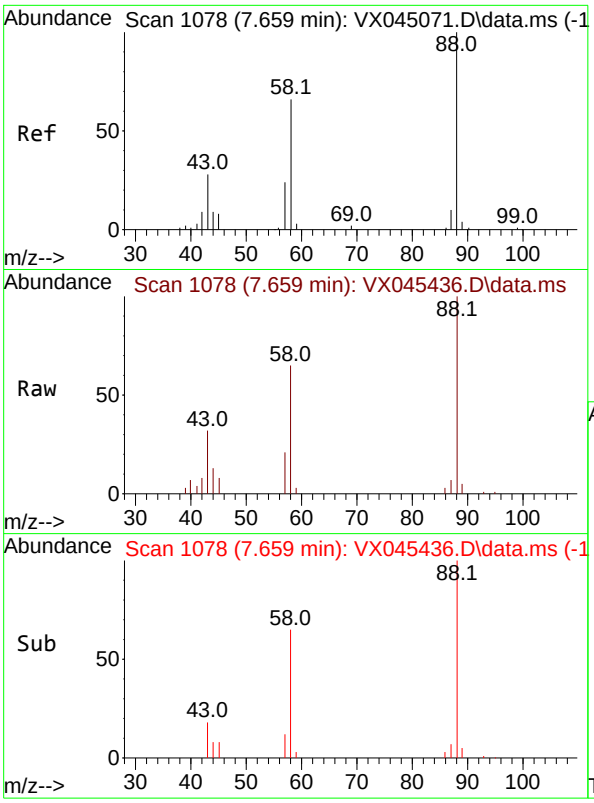


#48
Methyl methacrylate
Concen: 21.839 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. 0.006 min
Lab File: VX045436.D
Acq: 25 Mar 2025 13:35

Tgt Ion: 41 Resp: 30493

Ion	Ratio	Lower	Upper
41	100		
69	75.0	63.0	94.6
39	67.1	47.5	71.3



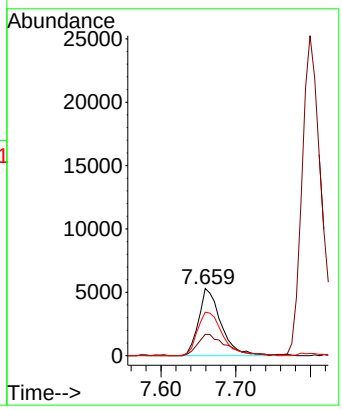


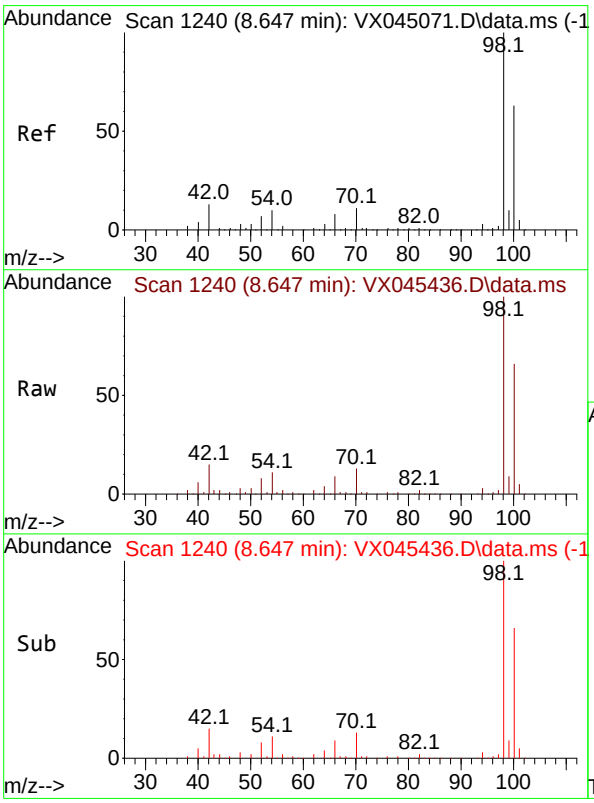
#49
1,4-Dioxane
Concen: 375.106 ug/l
RT: 7.659 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045436.D
Acq: 25 Mar 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
VX0325WBS02

Tgt Ion: 88 Resp: 11048

Ion	Ratio	Lower	Upper
88	100		
43	40.4	28.7	43.1
58	72.8	55.8	83.8

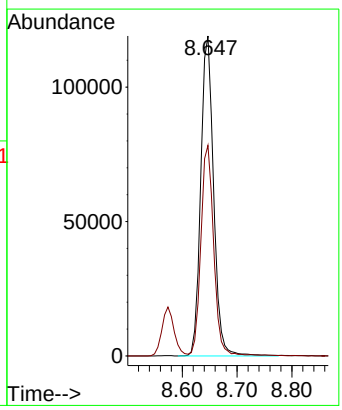


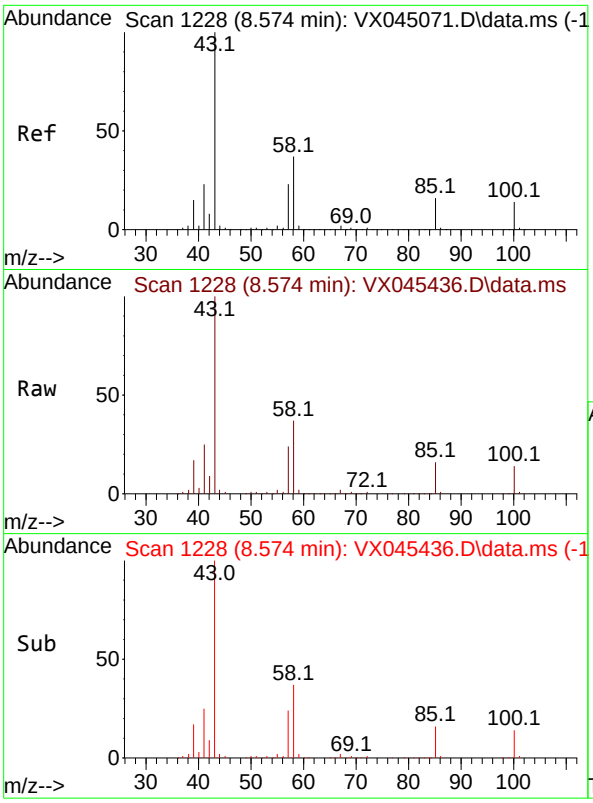


#50
Toluene-d8
Concen: 50.177 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX045436.D
Acq: 25 Mar 2025 13:35

Tgt Ion: 98 Resp: 193748

Ion	Ratio	Lower	Upper
98	100		
100	65.6	52.0	78.0



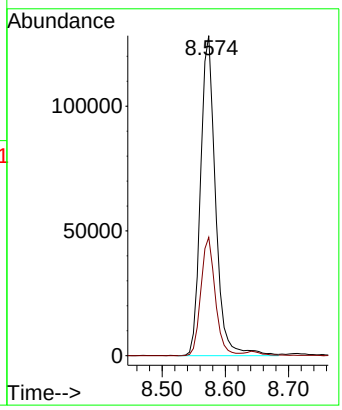


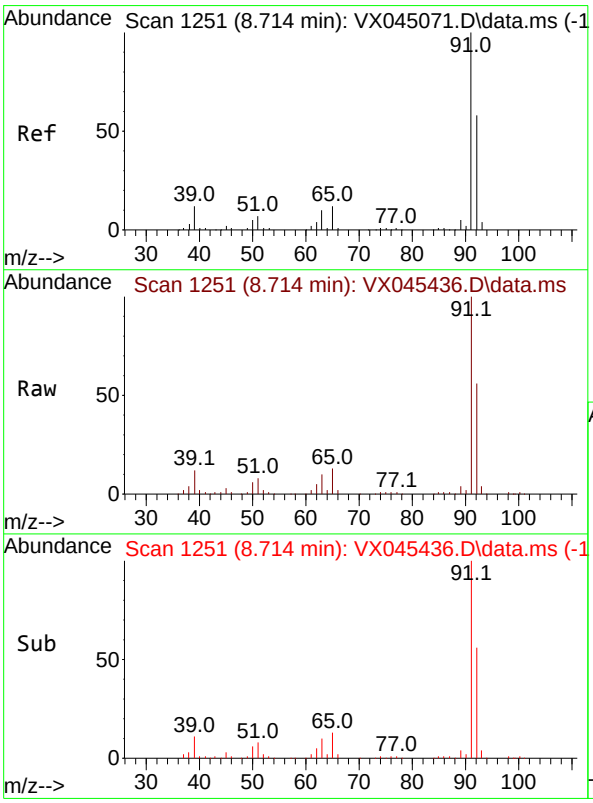
#51
4-Methyl-2-Pentanone
Concen: 113.420 ug/l
RT: 8.574 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045436.D
Acq: 25 Mar 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
VX0325WBS02

Tgt Ion: 43 Resp: 211951

Ion	Ratio	Lower	Upper
43	100		
58	35.5	29.2	43.8

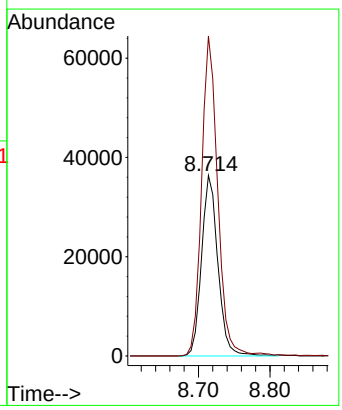


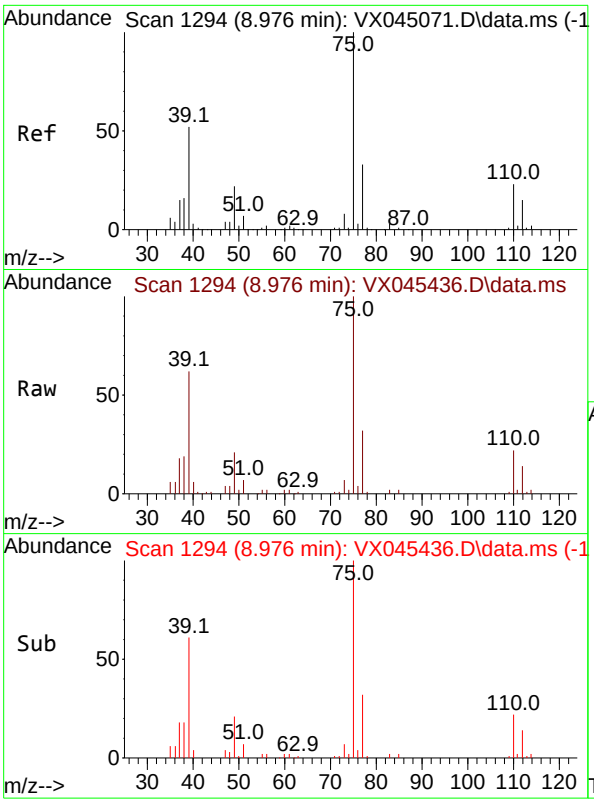


#52
Toluene
Concen: 21.371 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX045436.D
Acq: 25 Mar 2025 13:35

Tgt Ion: 92 Resp: 57834

Ion	Ratio	Lower	Upper
92	100		
91	175.6	138.9	208.3



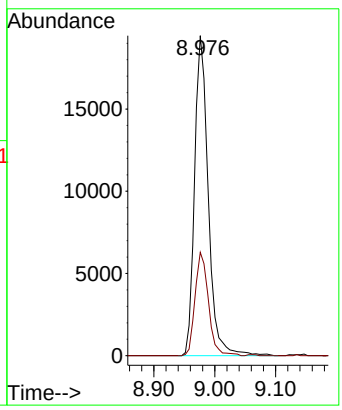


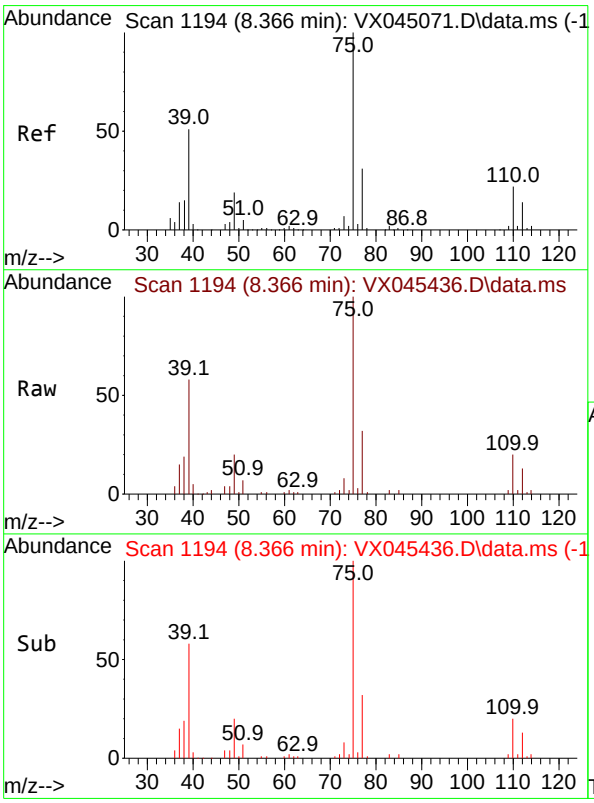
#53
t-1,3-Dichloropropene
Concen: 22.080 ug/l
RT: 8.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045436.D
Acq: 25 Mar 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
VX0325WBS02

Tgt Ion: 75 Resp: 30348

Ion	Ratio	Lower	Upper
75	100		
77	32.3	26.5	39.7

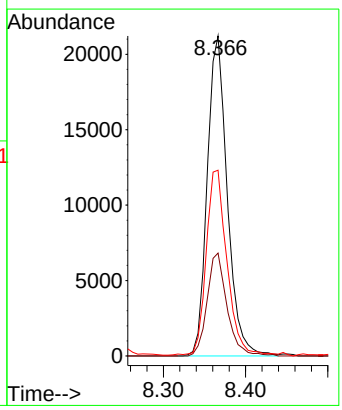


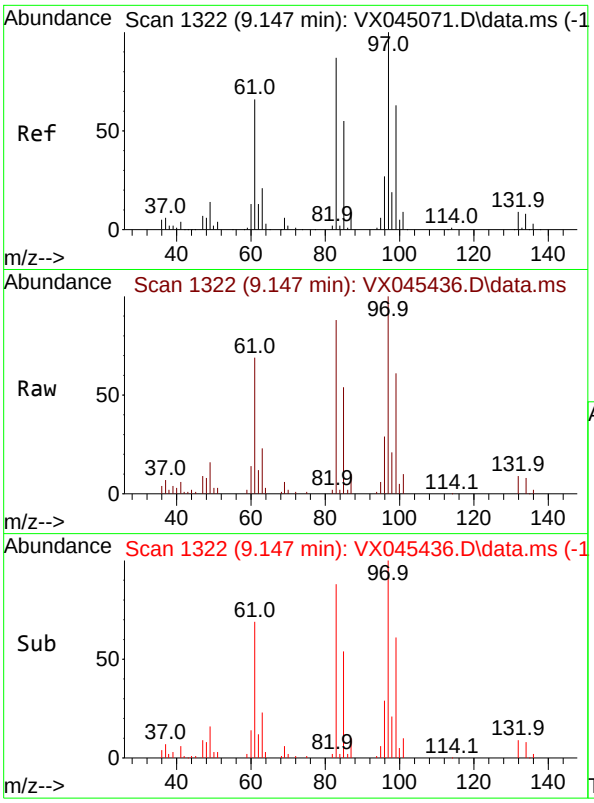


#54
cis-1,3-Dichloropropene
Concen: 22.410 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.000 min
Lab File: VX045436.D
Acq: 25 Mar 2025 13:35

Tgt Ion: 75 Resp: 35919

Ion	Ratio	Lower	Upper
75	100		
77	32.2	24.7	37.1
39	57.5	40.7	61.1



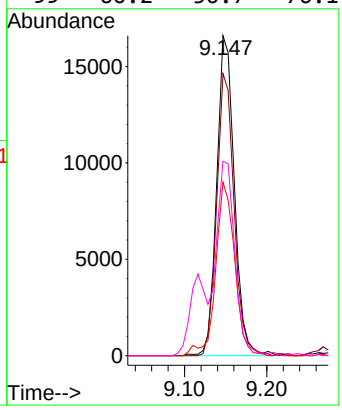


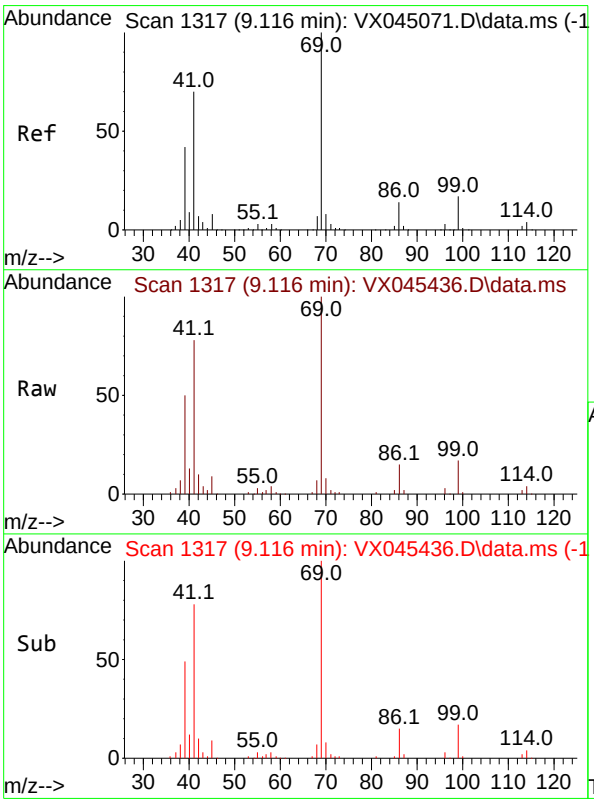
#55
1,1,2-Trichloroethane
Concen: 22.259 ug/l
RT: 9.147 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045436.D
Acq: 25 Mar 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
VX0325WBS02

Tgt Ion: 97 Resp: 24798

Ion	Ratio	Lower	Upper
97	100		
83	88.1	69.4	104.2
85	54.2	44.1	66.1
99	60.2	50.7	76.1

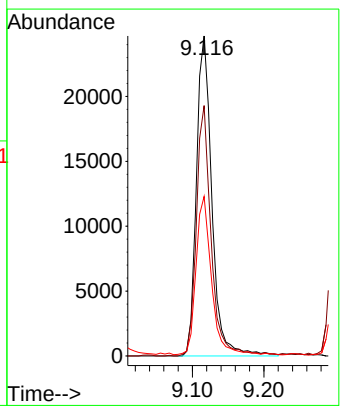


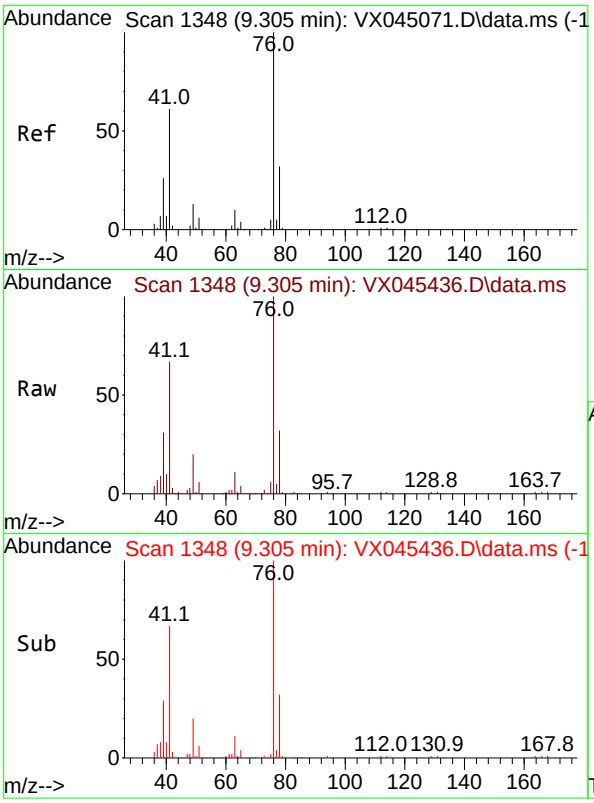


#56
Ethyl methacrylate
Concen: 21.880 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX045436.D
Acq: 25 Mar 2025 13:35

Tgt Ion: 69 Resp: 37053

Ion	Ratio	Lower	Upper
69	100		
41	75.3	57.0	85.4
39	49.1	34.2	51.4



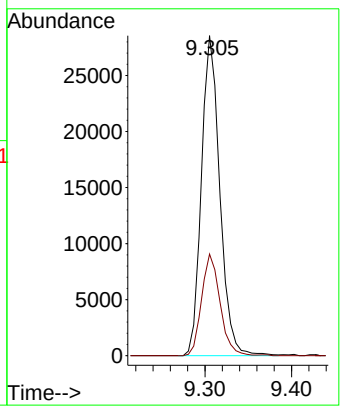


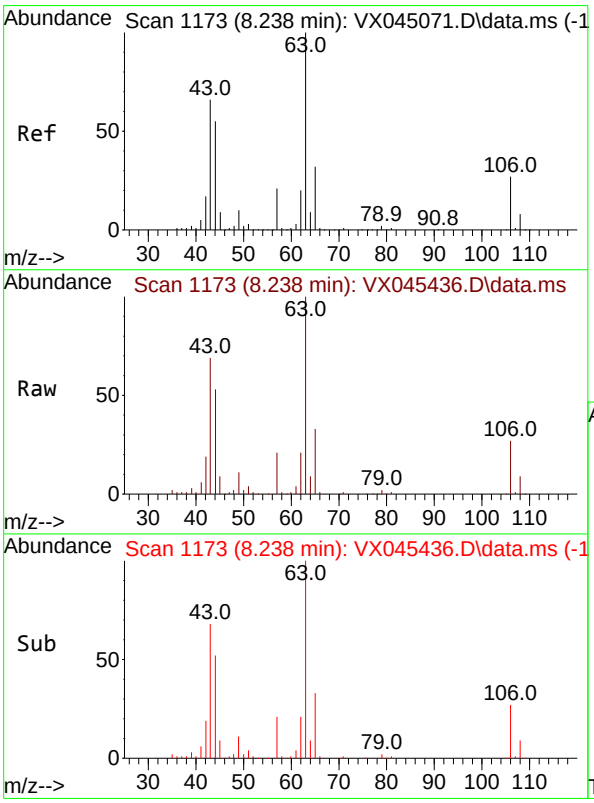
#57
1,3-Dichloropropane
Concen: 21.857 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045436.D
Acq: 25 Mar 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
VX0325WBS02

Tgt Ion: 76 Resp: 42139

Ion	Ratio	Lower	Upper
76	100		
78	31.8	25.5	38.3

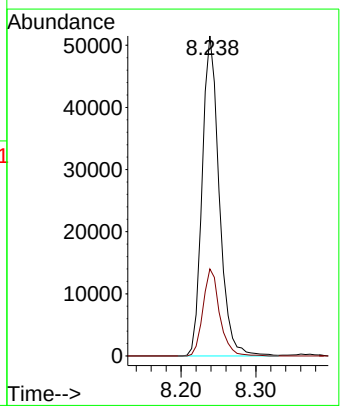


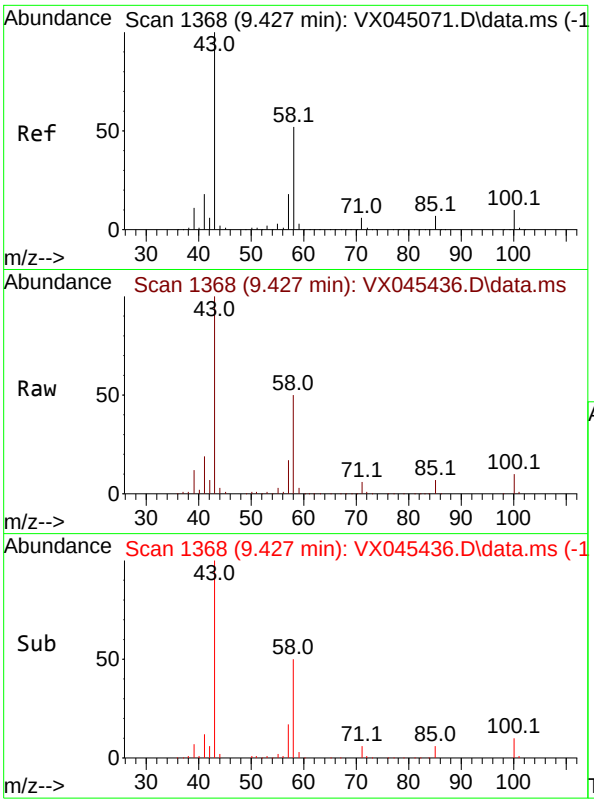


#58
2-Chloroethyl Vinyl ether
Concen: 98.707 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX045436.D
Acq: 25 Mar 2025 13:35

Tgt Ion: 63 Resp: 81540

Ion	Ratio	Lower	Upper
63	100		
106	26.6	21.5	32.3



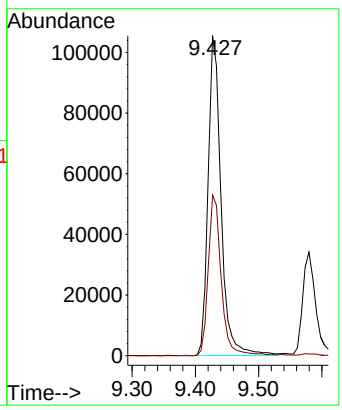


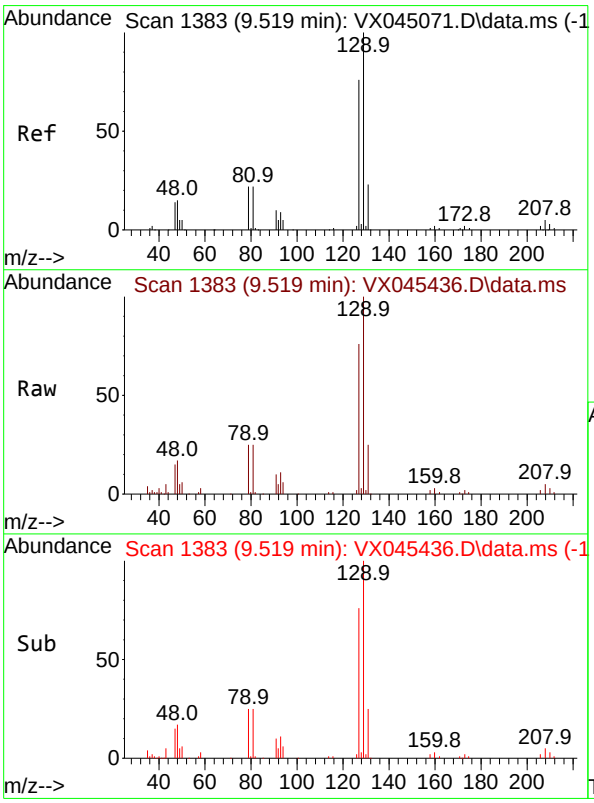
#59
2-Hexanone
Concen: 111.183 ug/l
RT: 9.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045436.D
Acq: 25 Mar 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
VX0325WBS02

Tgt Ion: 43 Resp: 150538

Ion	Ratio	Lower	Upper
43	100		
58	50.9	25.9	77.6

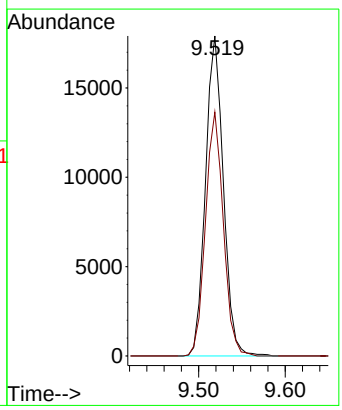


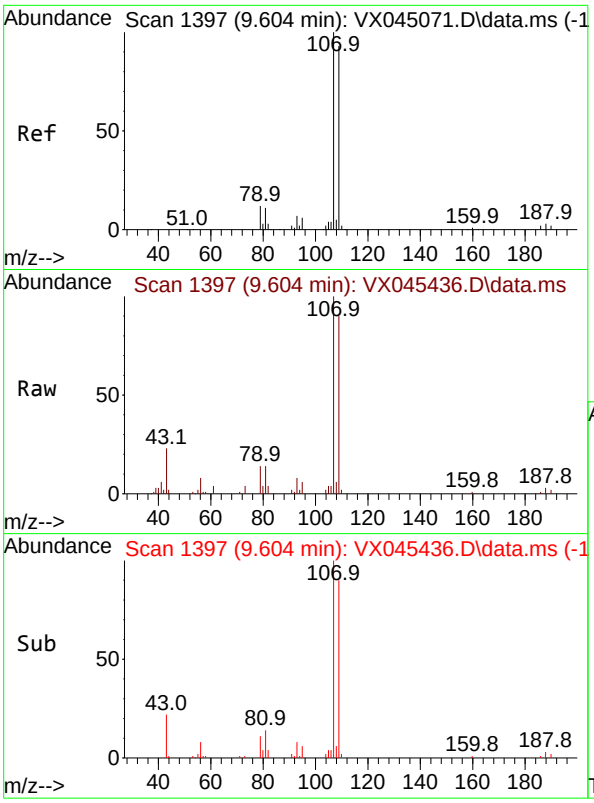


#60
Dibromochloromethane
Concen: 22.017 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX045436.D
Acq: 25 Mar 2025 13:35

Tgt Ion:129 Resp: 25647

Ion	Ratio	Lower	Upper
129	100		
127	76.3	38.5	115.5



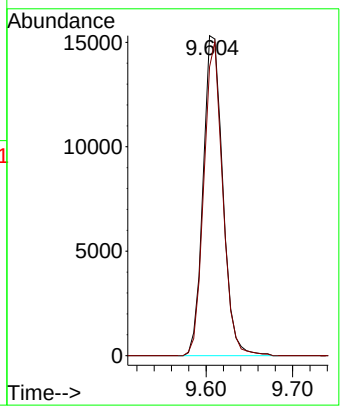


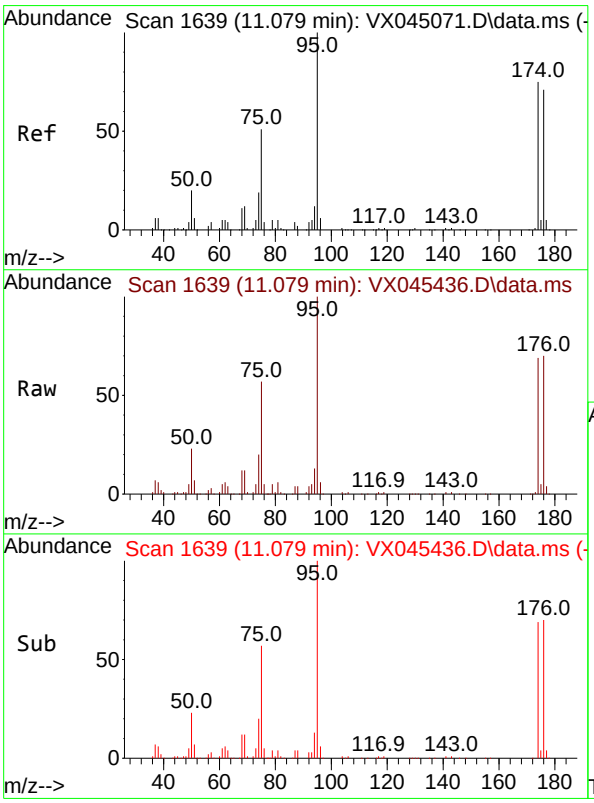
#61
1,2-Dibromoethane
Concen: 21.706 ug/l
RT: 9.604 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045436.D
Acq: 25 Mar 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
VX0325WBS02

Tgt Ion:107 Resp: 24141

Ion	Ratio	Lower	Upper
107	100		
109	94.1	76.1	114.1

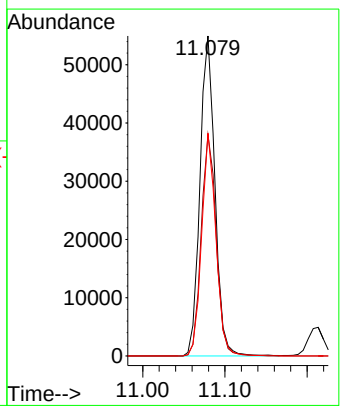


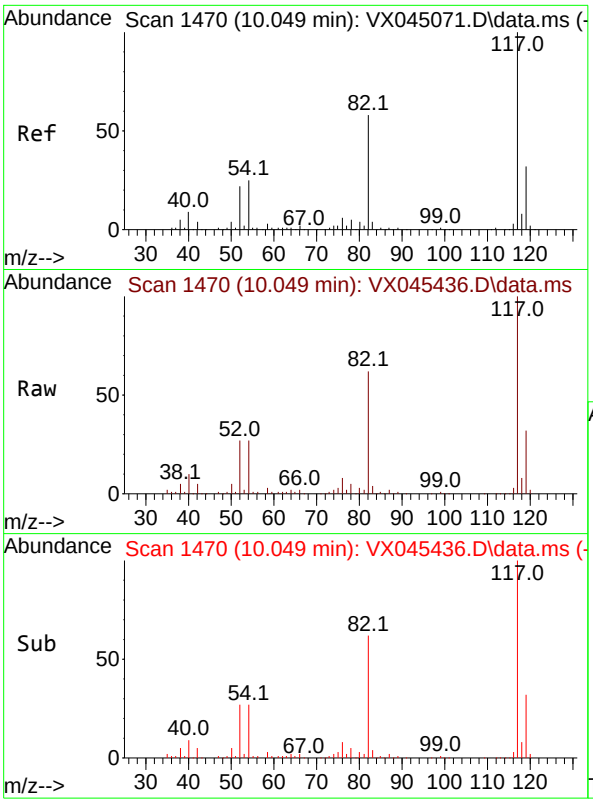


#62
4-Bromofluorobenzene
Concen: 54.311 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX045436.D
Acq: 25 Mar 2025 13:35

Tgt Ion: 95 Resp: 69492

Ion	Ratio	Lower	Upper
95	100		
174	69.4	0.0	148.2
176	66.3	0.0	141.4



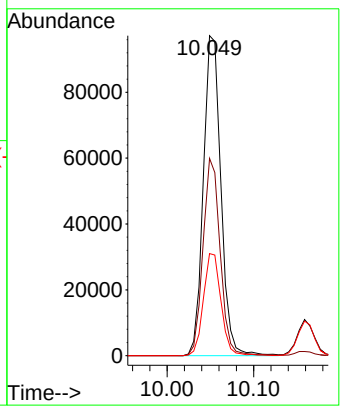


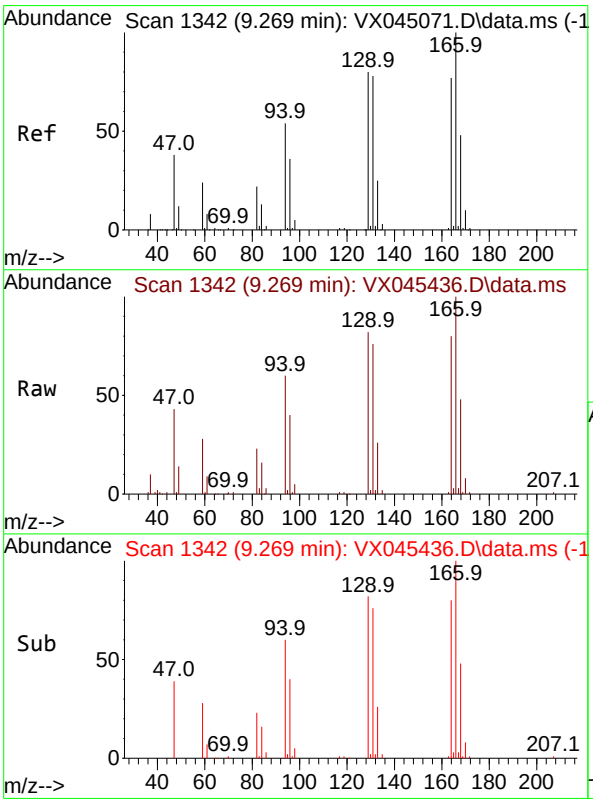
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045436.D
Acq: 25 Mar 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
VX0325WBS02

Tgt Ion:117 Resp: 137098

Ion	Ratio	Lower	Upper
117	100		
82	61.6	46.3	69.5
119	31.9	25.7	38.5

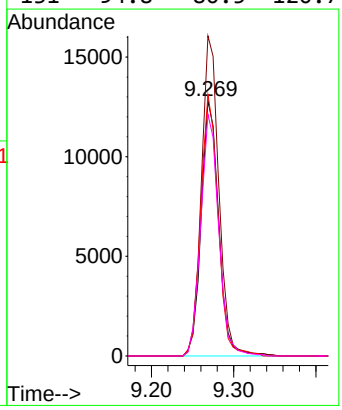


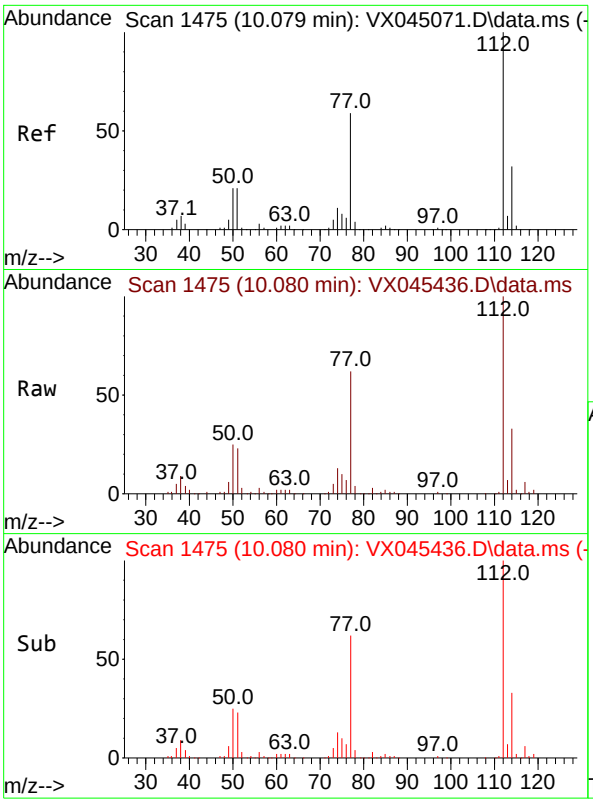


#64
Tetrachloroethene
Concen: 21.606 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX045436.D
Acq: 25 Mar 2025 13:35

Tgt Ion:164 Resp: 18971

Ion	Ratio	Lower	Upper
164	100		
166	125.6	103.6	155.4
129	102.4	82.7	124.1
131	94.8	80.5	120.7



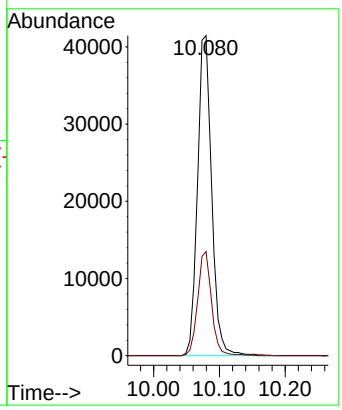


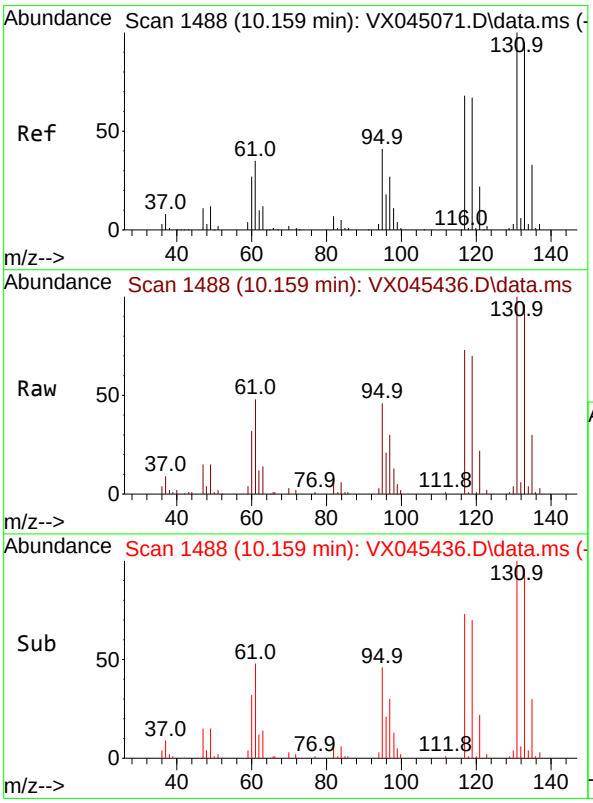
#65
Chlorobenzene
Concen: 21.369 ug/l
RT: 10.080 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045436.D
Acq: 25 Mar 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
VX0325WBS02

Tgt Ion:112 Resp: 61991

Ion	Ratio	Lower	Upper
112	100		
114	32.5	26.0	39.0

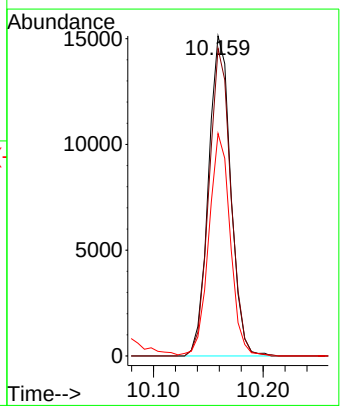


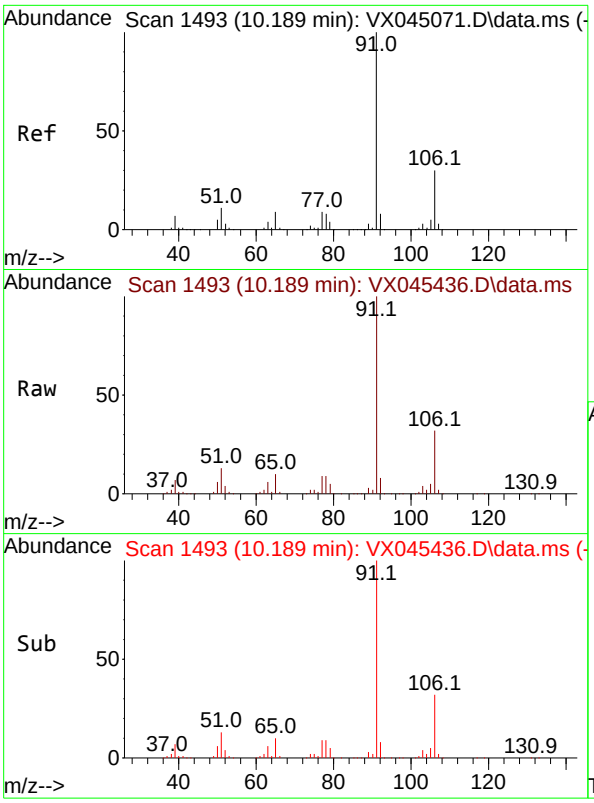


#66
1,1,1,2-Tetrachloroethane
Concen: 22.016 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX045436.D
Acq: 25 Mar 2025 13:35

Tgt Ion:131 Resp: 21269

Ion	Ratio	Lower	Upper
131	100		
133	94.8	48.6	145.9
119	66.9	33.9	101.7



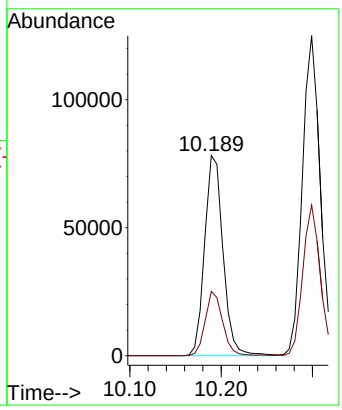


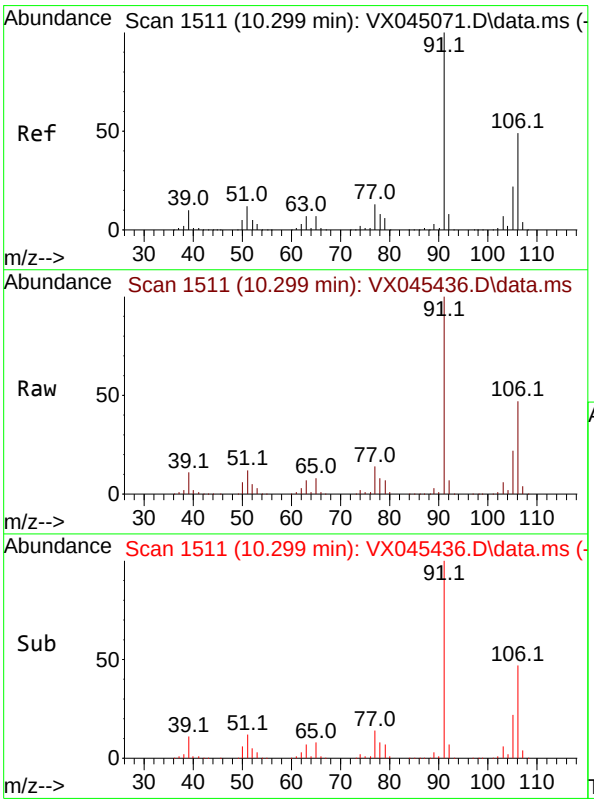
#67
Ethyl Benzene
Concen: 21.631 ug/l
RT: 10.189 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045436.D
Acq: 25 Mar 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
VX0325WBS02

Tgt Ion: 91 Resp: 109339

Ion	Ratio	Lower	Upper
91	100		
106	32.1	23.9	35.9

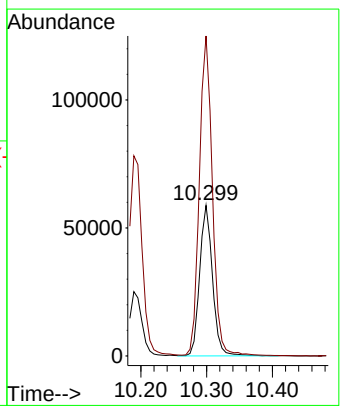


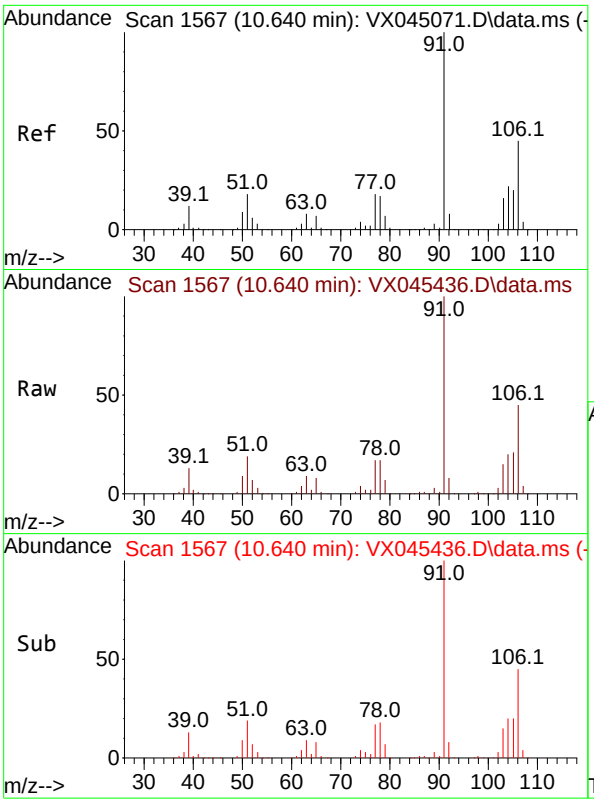


#68
m/p-Xylenes
Concen: 43.099 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX045436.D
Acq: 25 Mar 2025 13:35

Tgt Ion:106 Resp: 79751

Ion	Ratio	Lower	Upper
106	100		
91	216.9	165.4	248.0



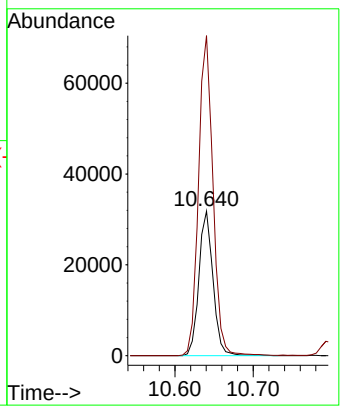


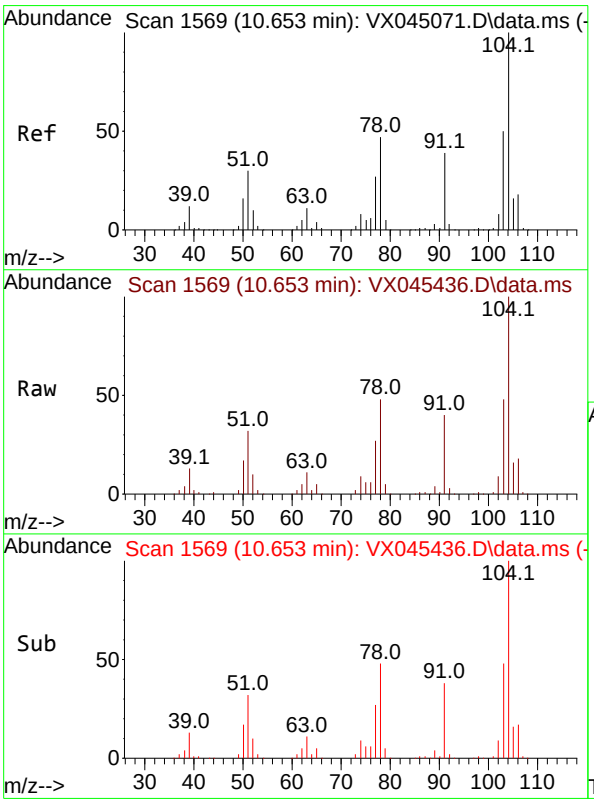
#69
o-Xylene
Concen: 21.391 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045436.D
Acq: 25 Mar 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
VX0325WBS02

Tgt Ion:106 Resp: 39921

Ion	Ratio	Lower	Upper
106	100		
91	226.1	109.9	329.6

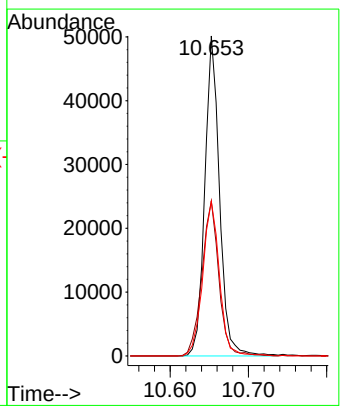


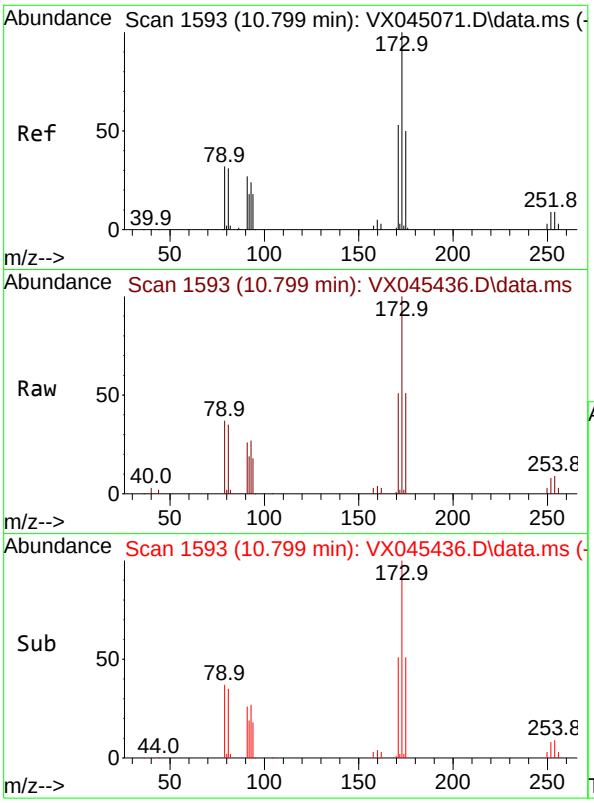


#70
Styrene
Concen: 21.659 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX045436.D
Acq: 25 Mar 2025 13:35

Tgt Ion:104 Resp: 65405

Ion	Ratio	Lower	Upper
104	100		
78	56.0	42.2	63.4
103	54.9	43.8	65.8



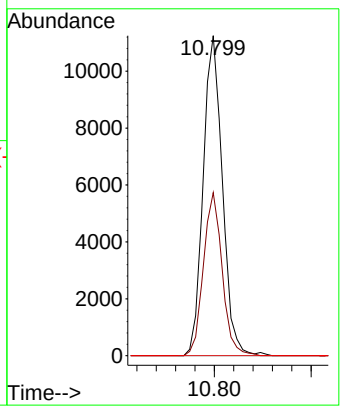


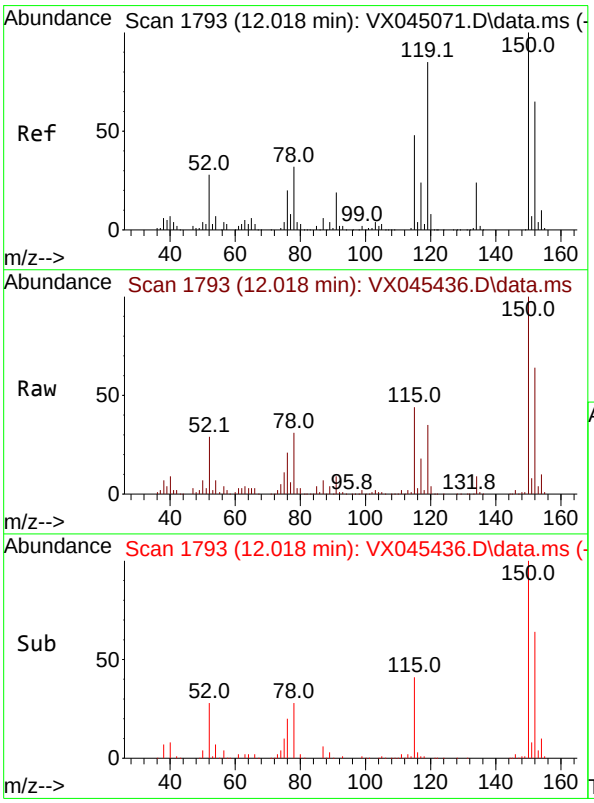
#71
Bromoform
Concen: 21.374 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045436.D
Acq: 25 Mar 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
VX0325WBS02

Tgt Ion:173 Resp: 15571

Ion	Ratio	Lower	Upper
173	100		
175	49.7	24.6	73.6
254	0.0	0.0	0.0

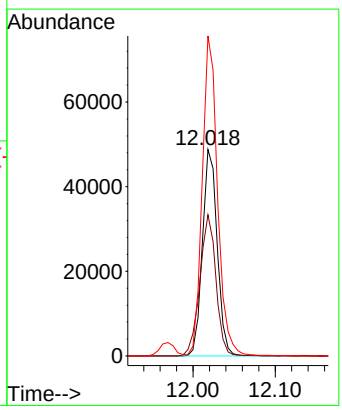


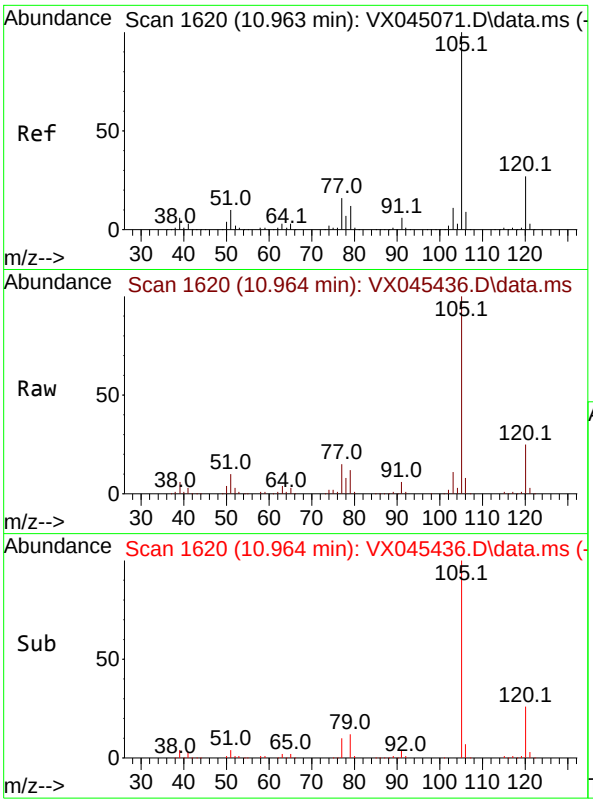


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX045436.D
Acq: 25 Mar 2025 13:35

Tgt Ion:152 Resp: 60910

Ion	Ratio	Lower	Upper
152	100		
115	74.5	44.2	132.6
150	161.0	0.0	349.0



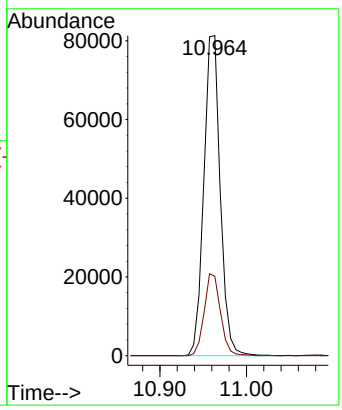


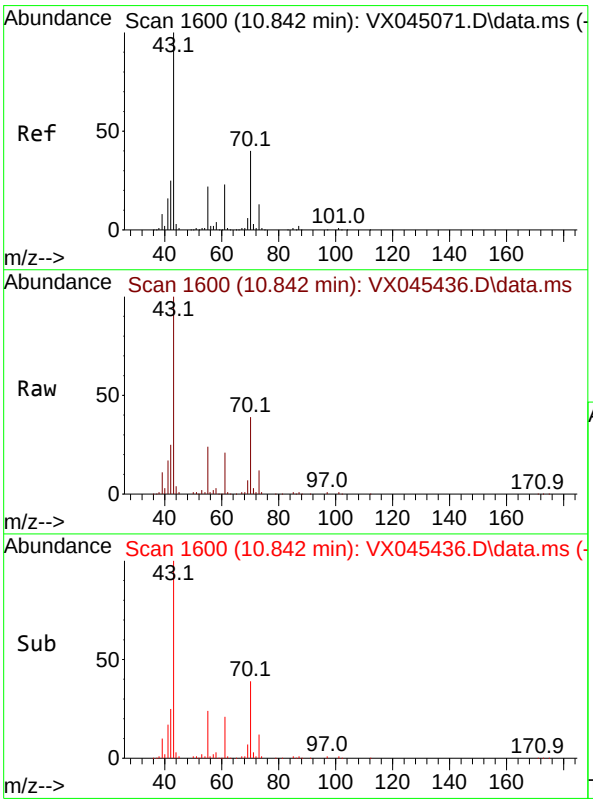
#73
Isopropylbenzene
Concen: 22.544 ug/l
RT: 10.964 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045436.D
Acq: 25 Mar 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
VX0325WBS02

Tgt Ion:105 Resp: 107177

Ion	Ratio	Lower	Upper
105	100		
120	25.4	13.2	39.5

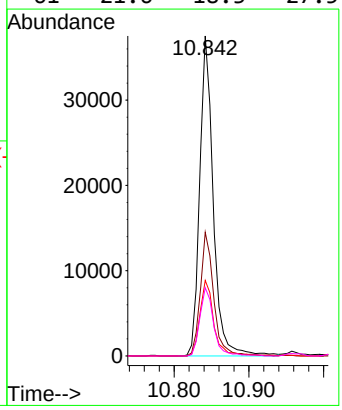


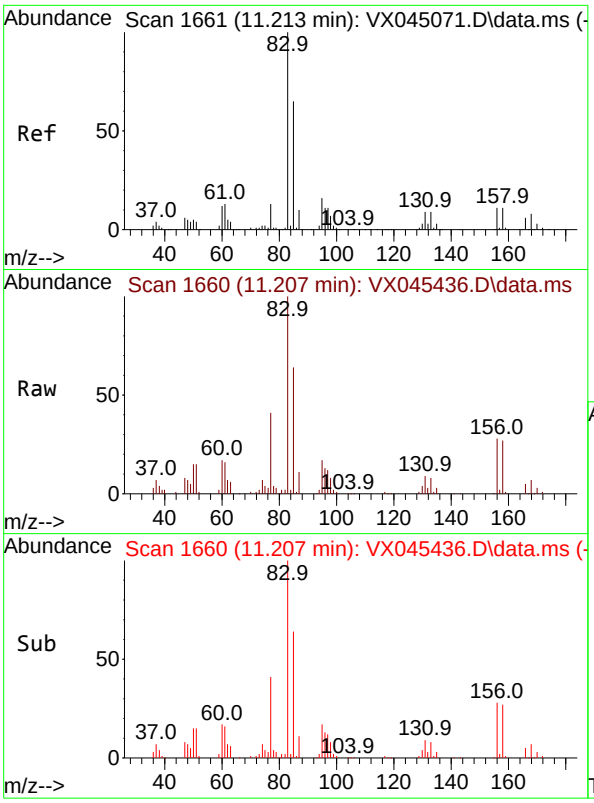


#74
N-amyl acetate
Concen: 21.246 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX045436.D
Acq: 25 Mar 2025 13:35

Tgt Ion: 43 Resp: 47397

Ion	Ratio	Lower	Upper
43	100		
70	38.2	31.8	47.6
55	24.4	18.3	27.5
61	21.6	18.3	27.5



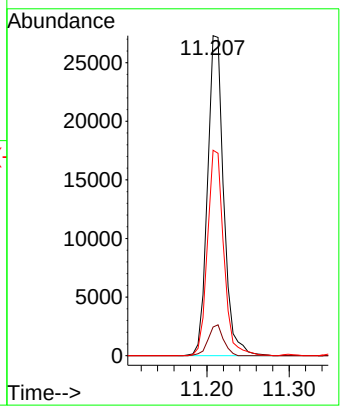


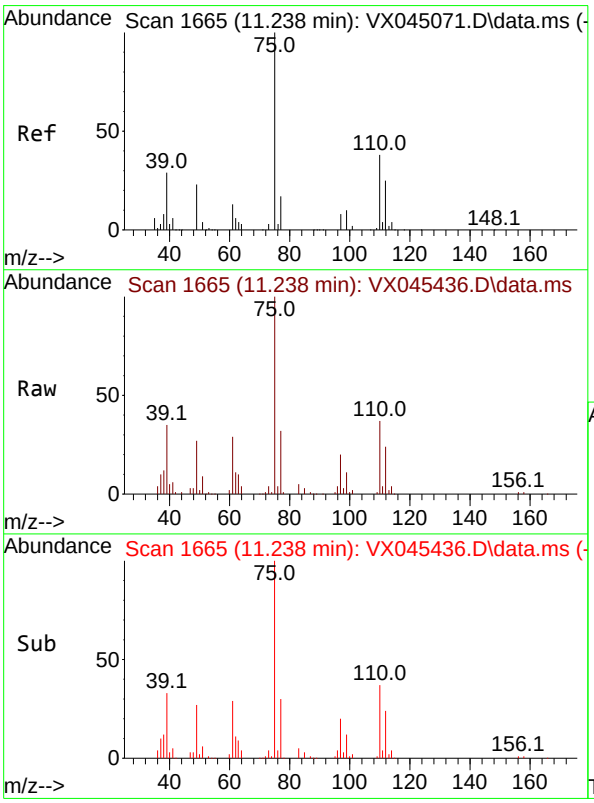
#75
1,1,2,2-Tetrachloroethane
Concen: 21.355 ug/l
RT: 11.207 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045436.D
Acq: 25 Mar 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
VX0325WBS02

Tgt Ion: 83 Resp: 37257

Ion	Ratio	Lower	Upper
83	100		
131	9.1	4.5	13.4
85	64.7	31.7	95.1

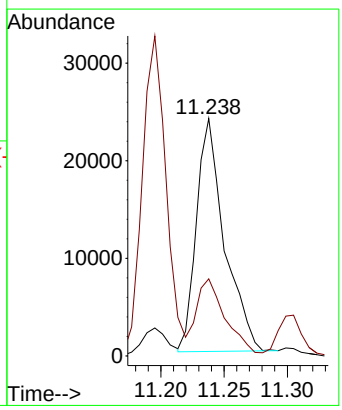


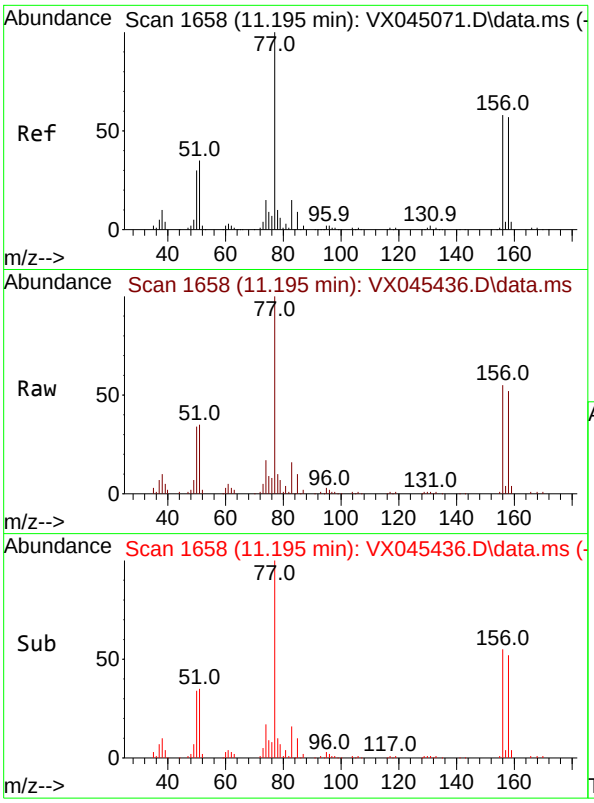


#76
1,2,3-Trichloropropane
Concen: 25.971 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX045436.D
Acq: 25 Mar 2025 13:35

Tgt Ion: 75 Resp: 36819

Ion	Ratio	Lower	Upper
75	100		
77	34.3	20.7	62.1



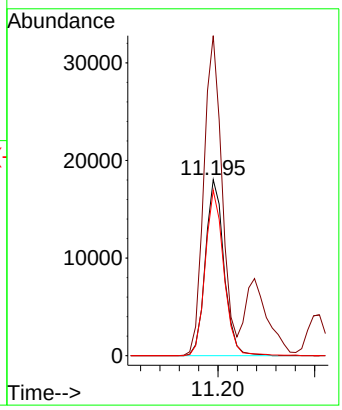


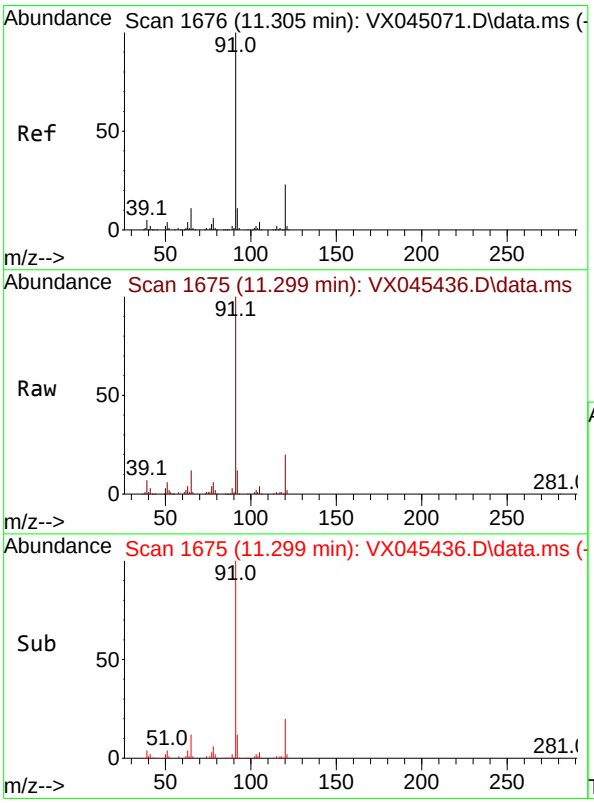
#77
Bromobenzene
Concen: 21.388 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045436.D
Acq: 25 Mar 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
VX0325WBS02

Tgt Ion:156 Resp: 23991

Ion	Ratio	Lower	Upper
156	100		
77	179.2	85.8	257.4
158	94.5	48.4	145.2

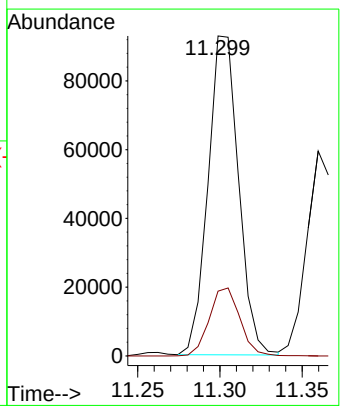


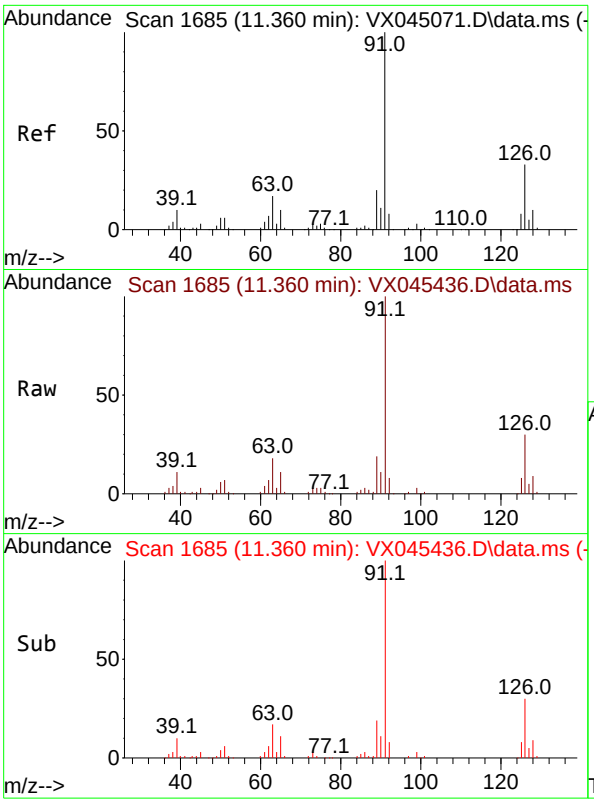


#78
n-propylbenzene
Concen: 22.372 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. -0.006 min
Lab File: VX045436.D
Acq: 25 Mar 2025 13:35

Tgt Ion: 91 Resp: 120148

Ion	Ratio	Lower	Upper
91	100		
120	21.4	11.2	33.6



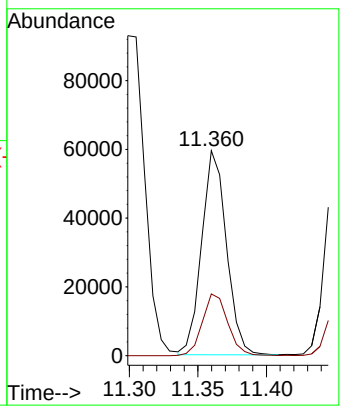


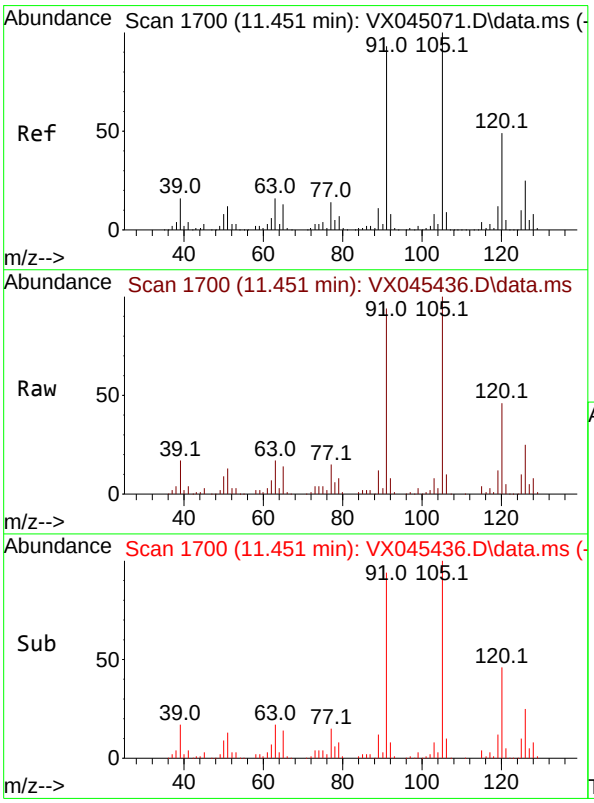
#79
2-Chlorotoluene
Concen: 21.861 ug/l
RT: 11.360 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045436.D
Acq: 25 Mar 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
VX0325WBS02

Tgt Ion: 91 Resp: 74772

Ion	Ratio	Lower	Upper
91	100		
126	31.1	16.4	49.4

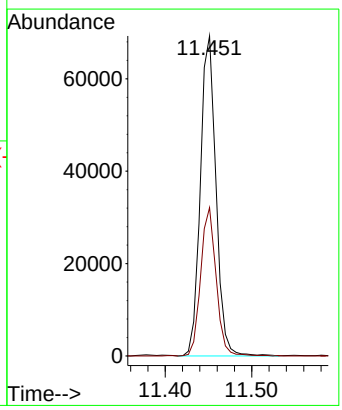


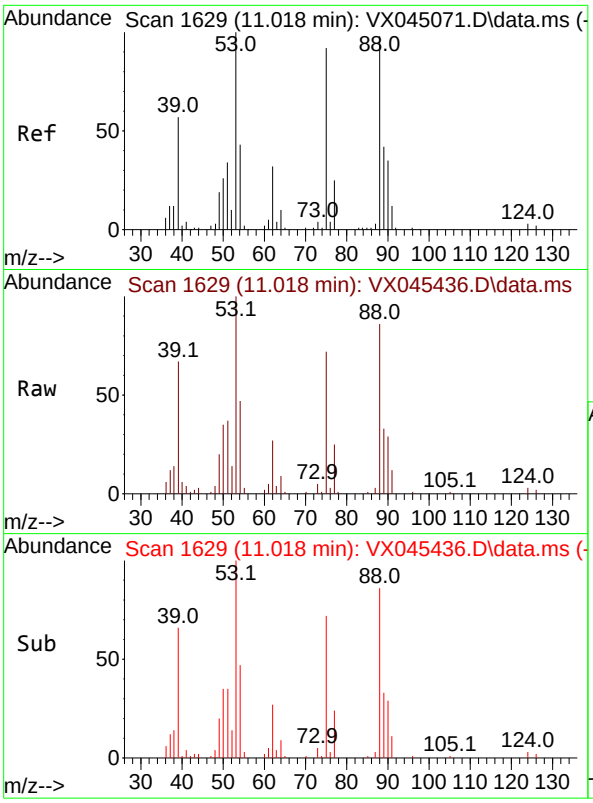


#80
1,3,5-Trimethylbenzene
Concen: 22.591 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX045436.D
Acq: 25 Mar 2025 13:35

Tgt Ion:105 Resp: 86843

Ion	Ratio	Lower	Upper
105	100		
120	45.9	24.1	72.2



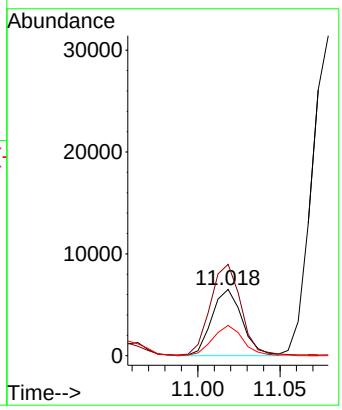


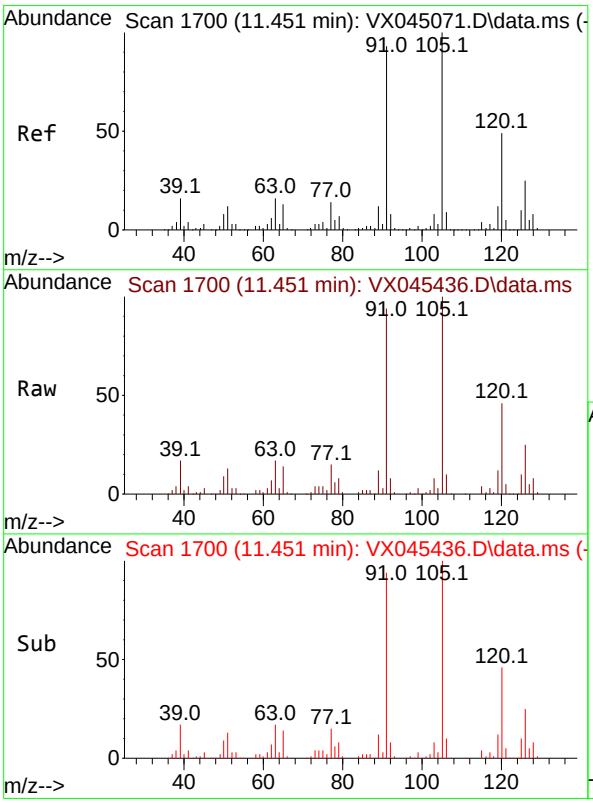
#81
trans-1,4-Dichloro-2-butene
Concen: 20.262 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045436.D
Acq: 25 Mar 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
VX0325WBS02

Tgt Ion: 75 Resp: 8394

Ion	Ratio	Lower	Upper
75	100		
53	140.8	88.5	132.7#
89	45.4	36.2	54.4

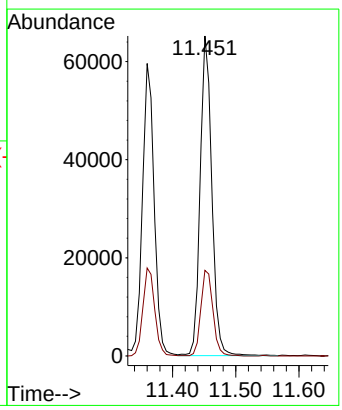


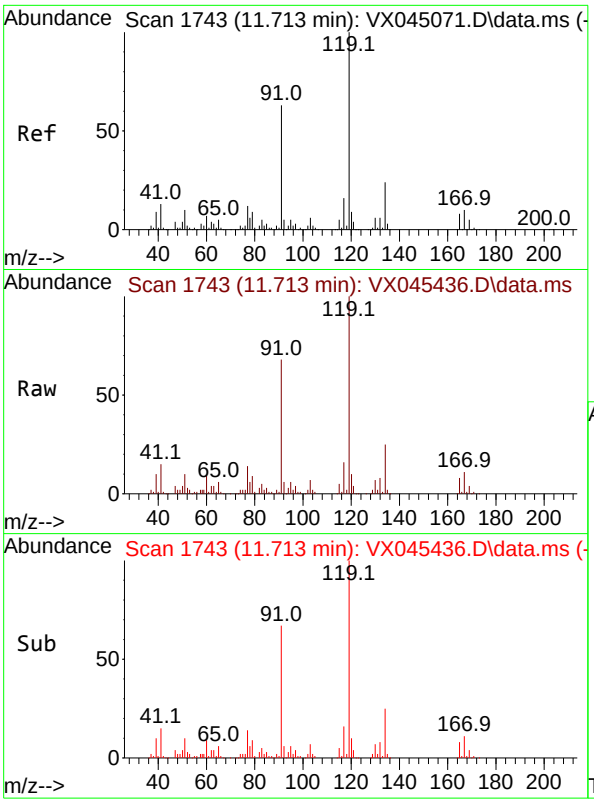


#82
4-Chlorotoluene
Concen: 22.439 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX045436.D
Acq: 25 Mar 2025 13:35

Tgt Ion: 91 Resp: 83643

Ion	Ratio	Lower	Upper
91	100		
126	27.7	14.1	42.4



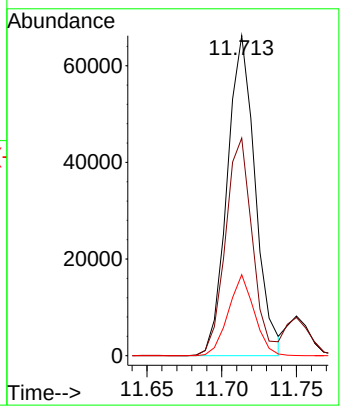


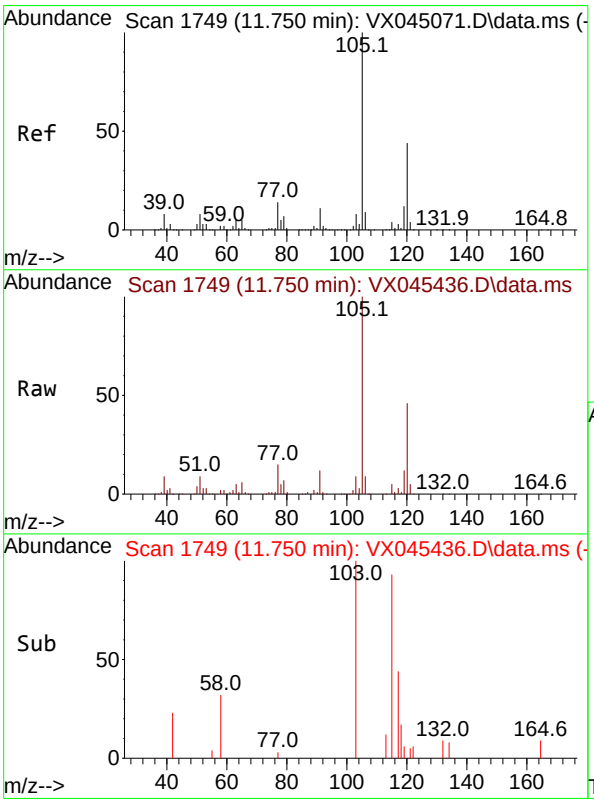
#83
tert-Butylbenzene
Concen: 21.802 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045436.D
Acq: 25 Mar 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
VX0325WBS02

Tgt Ion:119 Resp: 86114

Ion	Ratio	Lower	Upper
119	100		
91	66.0	30.7	92.1
134	23.5	11.7	35.0

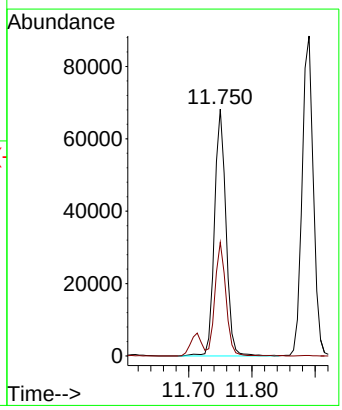


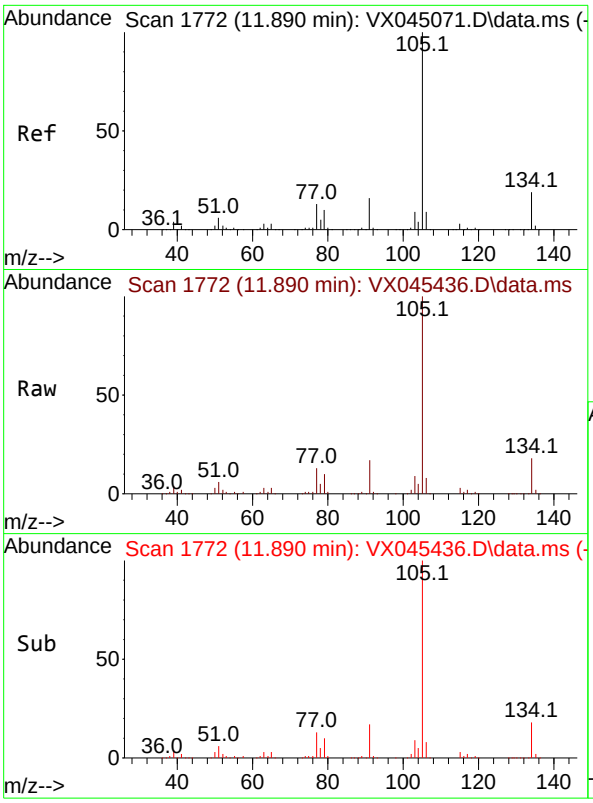


#84
1,2,4-Trimethylbenzene
Concen: 22.182 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX045436.D
Acq: 25 Mar 2025 13:35

Tgt Ion:105 Resp: 85798

Ion	Ratio	Lower	Upper
105	100		
120	44.1	22.1	66.1



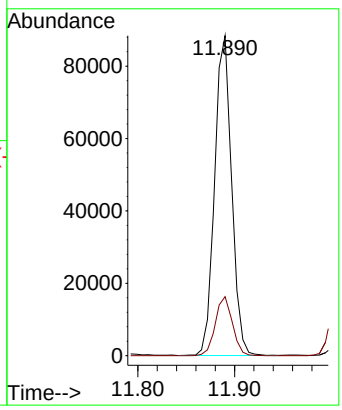


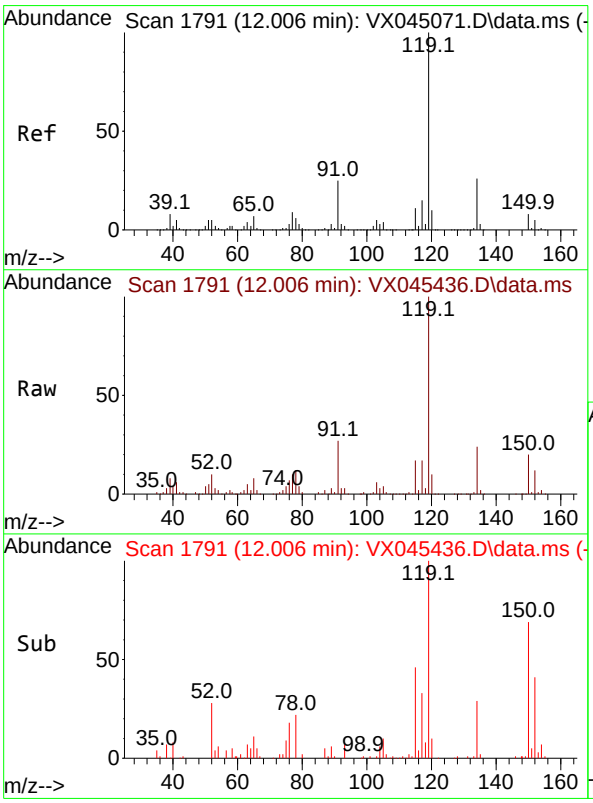
#85
sec-Butylbenzene
Concen: 22.760 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045436.D
Acq: 25 Mar 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
VX0325WBS02

Tgt Ion:105 Resp: 107683

Ion	Ratio	Lower	Upper
105	100		
134	18.6	9.8	29.4

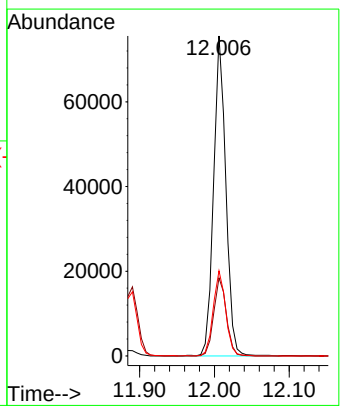


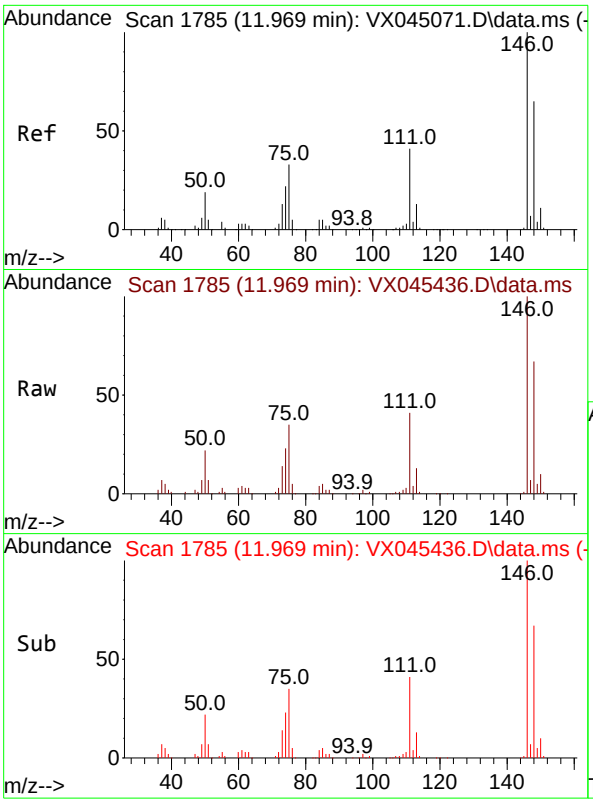


#86
p-Isopropyltoluene
Concen: 22.531 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX045436.D
Acq: 25 Mar 2025 13:35

Tgt Ion:119 Resp: 86148

Ion	Ratio	Lower	Upper
119	100		
134	25.2	12.9	38.6
91	27.1	12.7	38.0



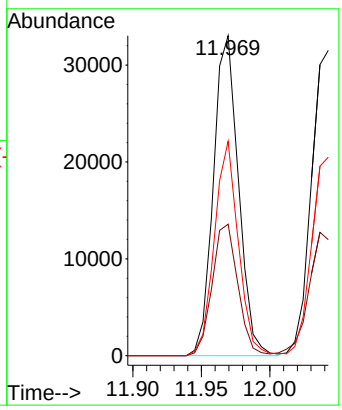


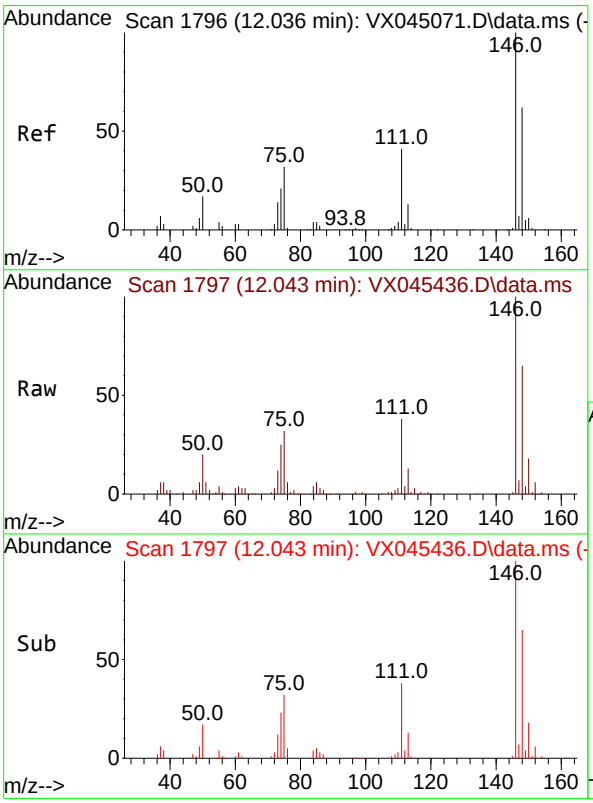
#87
1,3-Dichlorobenzene
Concen: 20.976 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045436.D
Acq: 25 Mar 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
VX0325WBS02

Tgt Ion:146 Resp: 41975

Ion	Ratio	Lower	Upper
146	100		
111	42.2	21.1	63.4
148	64.3	31.9	95.7

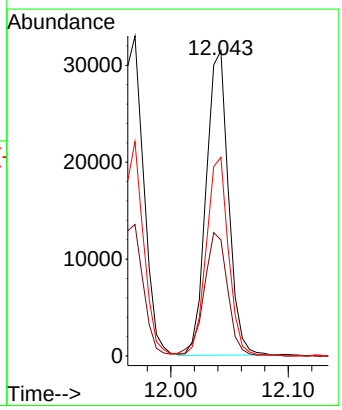


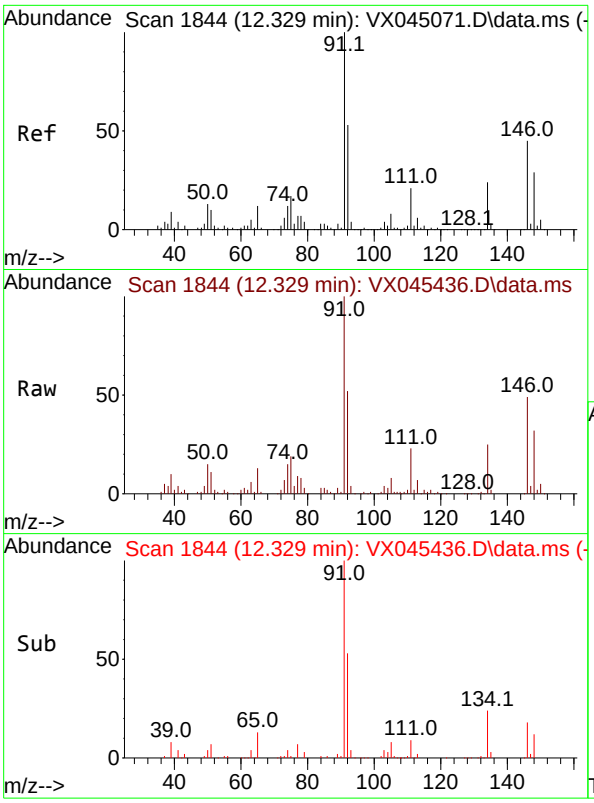


#88
1,4-Dichlorobenzene
Concen: 20.480 ug/l
RT: 12.043 min Scan# 1797
Delta R.T. 0.006 min
Lab File: VX045436.D
Acq: 25 Mar 2025 13:35

Tgt Ion:146 Resp: 41462

Ion	Ratio	Lower	Upper
146	100		
111	43.2	20.2	60.5
148	65.2	31.9	95.9



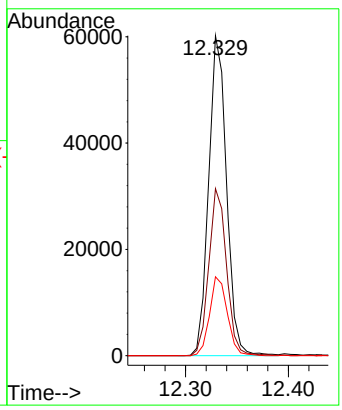


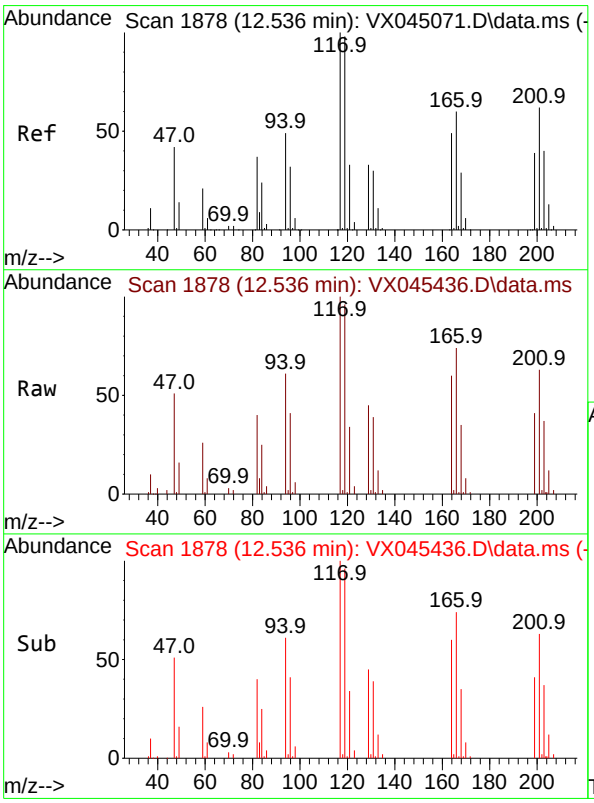
#89
n-Butylbenzene
Concen: 22.079 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045436.D
Acq: 25 Mar 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
VX0325WBS02

Tgt Ion: 91 Resp: 72708

Ion	Ratio	Lower	Upper
91	100		
92	52.1	26.7	80.0
134	24.4	12.2	36.6

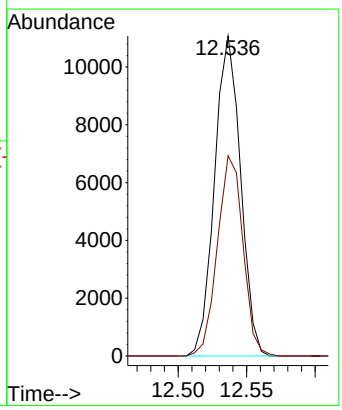


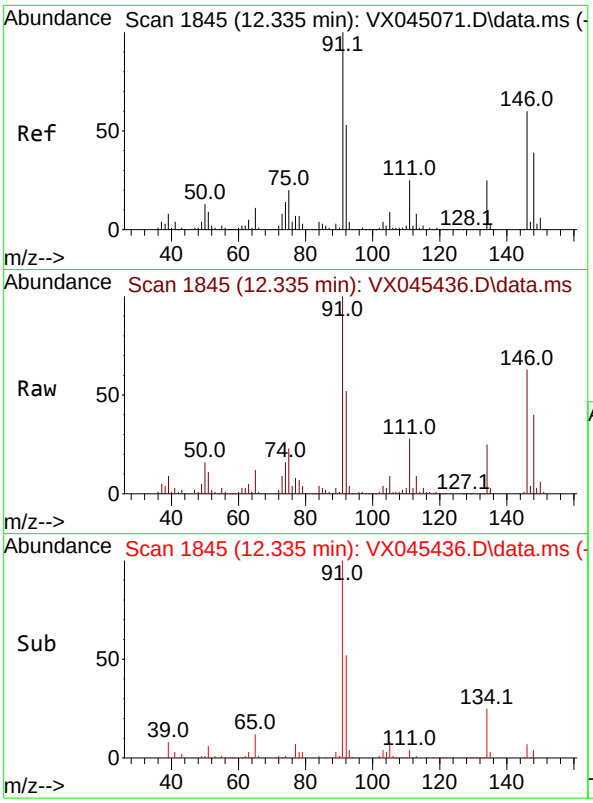


#90
Hexachloroethane
Concen: 21.109 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX045436.D
Acq: 25 Mar 2025 13:35

Tgt Ion:117 Resp: 14599

Ion	Ratio	Lower	Upper
117	100		
201	61.6	31.9	95.9



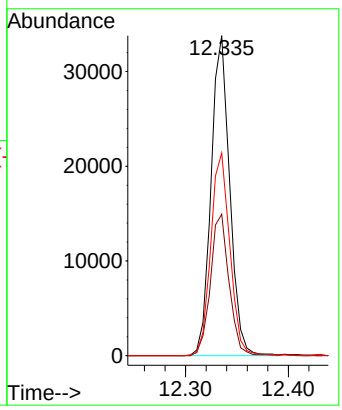


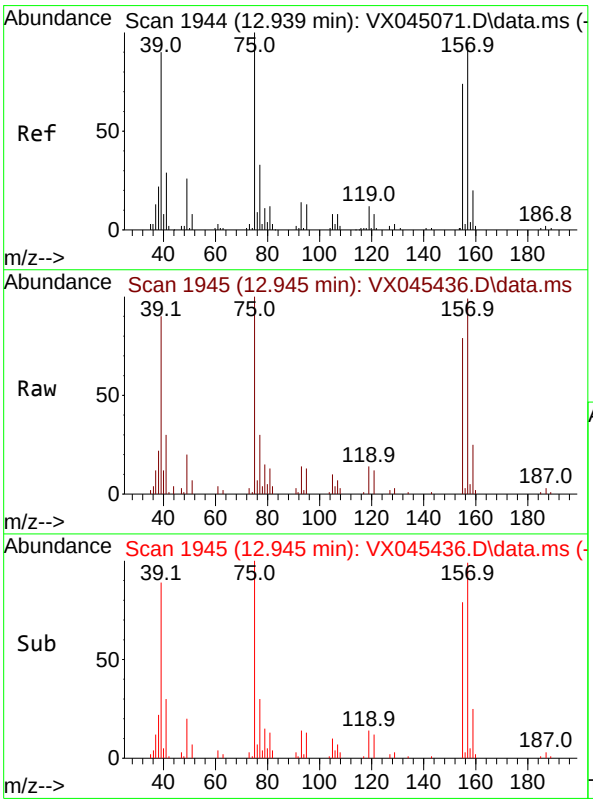
#91
1,2-Dichlorobenzene
Concen: 21.142 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045436.D
Acq: 25 Mar 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
VX0325WBS02

Tgt Ion:146 Resp: 42440

Ion	Ratio	Lower	Upper
146	100		
111	44.4	21.6	65.0
148	65.2	31.9	95.9

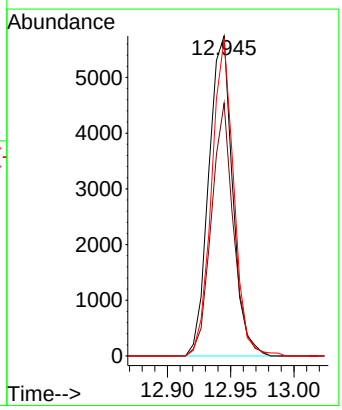


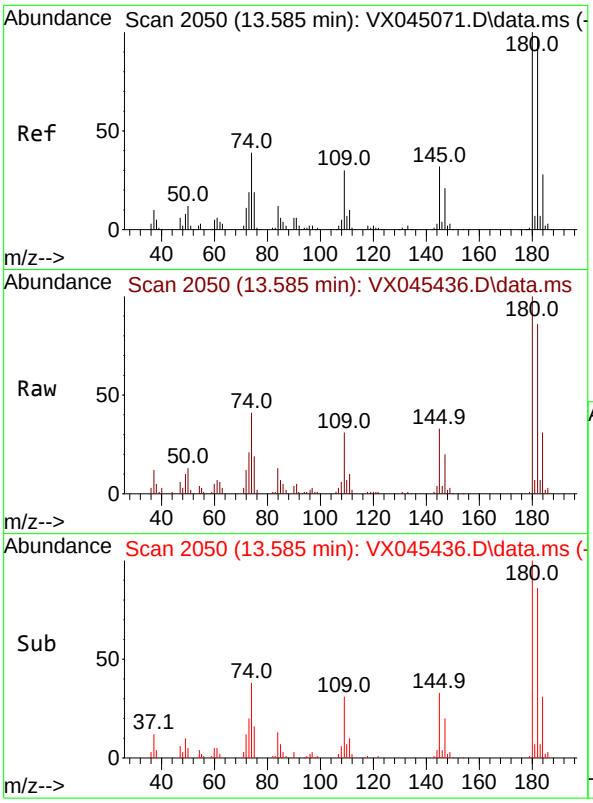


#92
1,2-Dibromo-3-Chloropropane
Concen: 22.055 ug/l
RT: 12.945 min Scan# 1945
Delta R.T. 0.006 min
Lab File: VX045436.D
Acq: 25 Mar 2025 13:35

Tgt Ion: 75 Resp: 7496

Ion	Ratio	Lower	Upper
75	100		
155	73.3	39.6	118.7
157	92.2	51.1	153.4



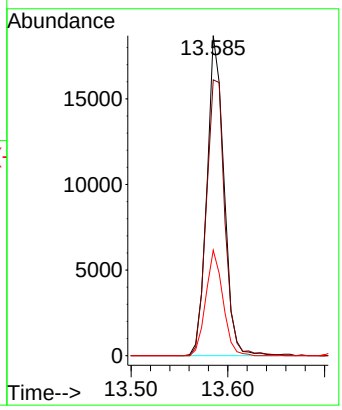


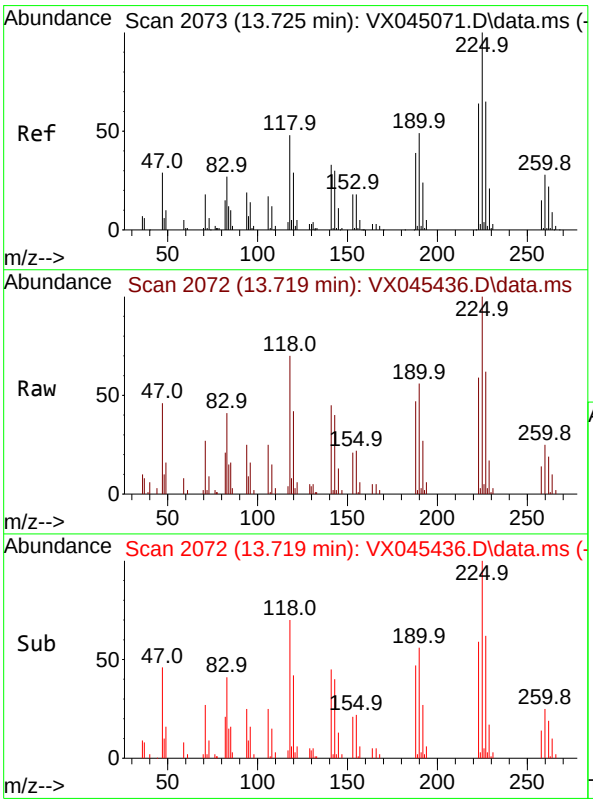
#93
1,2,4-Trichlorobenzene
Concen: 20.120 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045436.D
Acq: 25 Mar 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
VX0325WBS02

Tgt Ion:180 Resp: 22997

Ion	Ratio	Lower	Upper
180	100		
182	93.1	47.3	141.9
145	33.0	16.3	48.9

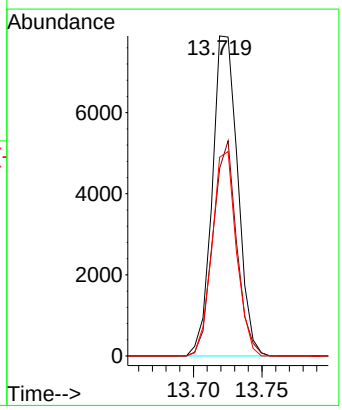


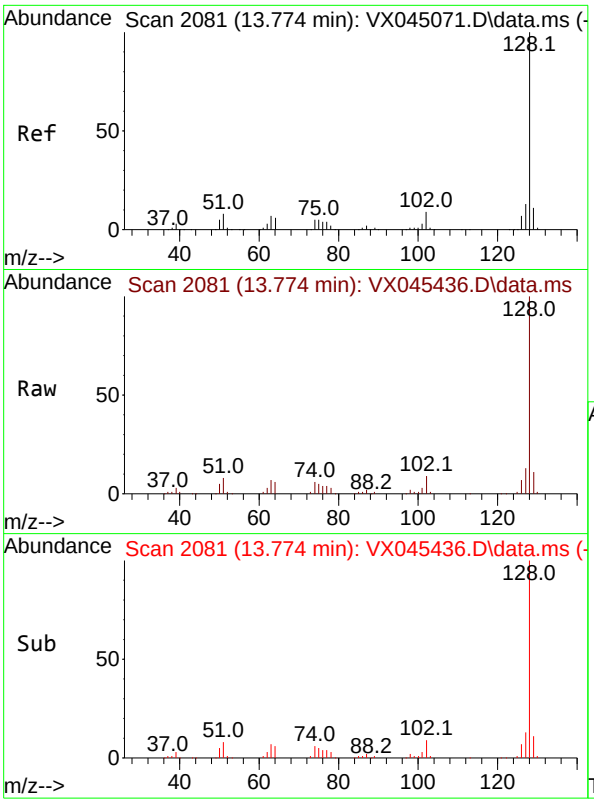


#94
Hexachlorobutadiene
Concen: 21.715 ug/l
RT: 13.719 min Scan# 2072
Delta R.T. -0.006 min
Lab File: VX045436.D
Acq: 25 Mar 2025 13:35

Tgt Ion:225 Resp: 10176

Ion	Ratio	Lower	Upper
225	100		
223	62.7	31.9	95.7
227	61.2	31.4	94.0



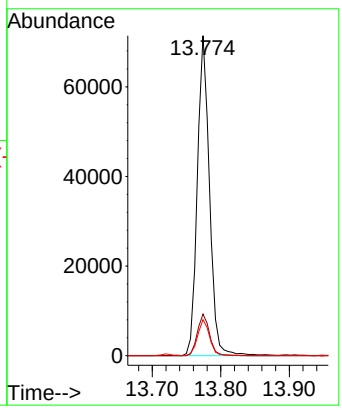


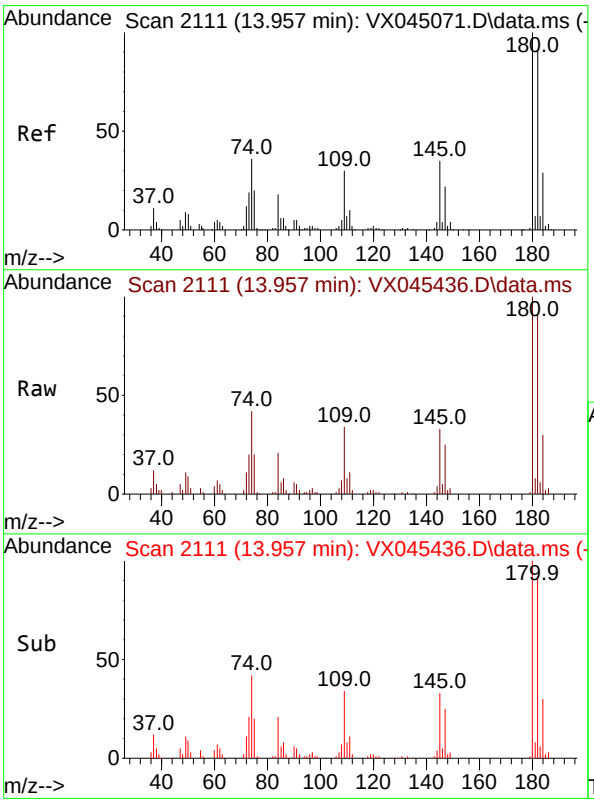
#95
Naphthalene
Concen: 20.117 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045436.D
Acq: 25 Mar 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
VX0325WBS02

Tgt Ion:128 Resp: 88346

Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.3	15.5
129	11.1	8.7	13.1

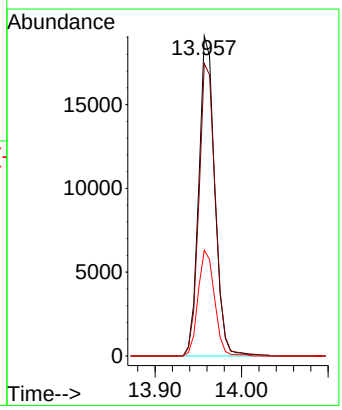




#96
1,2,3-Trichlorobenzene
Concen: 20.276 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX045436.D
Acq: 25 Mar 2025 13:35

Tgt Ion:180 Resp: 24449

Ion	Ratio	Lower	Upper
180	100		
182	94.1	47.5	142.6
145	34.0	17.0	50.9



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032525\
Data File : VX045453.D
Acq On : 25 Mar 2025 20:14
Operator : JC/MD
Sample : Q1608-12MS
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MS

Quant Time: Mar 27 03:18:20 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	75274	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	137526	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	121362	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	57274	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	67843	56.661	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 113.320%			
35) Dibromofluoromethane	5.379	113	48641	52.894	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.780%			
50) Toluene-d8	8.647	98	166935	50.072	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.140%			
62) 4-Bromofluorobenzene	11.079	95	63445	57.430	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 114.860%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.167	85	59832	63.146	ug/l	97
3) Chloromethane	1.301	50	62763	54.127	ug/l	98
4) Vinyl Chloride	1.374	62	56780	49.361	ug/l	99
5) Bromomethane	1.593	94	25624	56.665	ug/l	98
6) Chloroethane	1.660	64	29739	56.049	ug/l	99
7) Trichlorofluoromethane	1.874	101	81927	53.801	ug/l	98
8) Diethyl Ether	2.130	74	27732	46.560	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.319	101	54689	62.511	ug/l	99
10) Methyl Iodide	2.441	142	64444	58.943	ug/l	95
11) Tert butyl alcohol	2.989	59	53301	235.017	ug/l	97
12) 1,1-Dichloroethene	2.307	96	49511	53.528	ug/l	95
13) Acrolein	2.233	56	74173	282.920	ug/l	98
14) Allyl chloride	2.654	41	91452	55.544	ug/l	94
15) Acrylonitrile	3.063	53	158269	260.380	ug/l	98
16) Acetone	2.386	43	151022	271.852	ug/l	97
17) Carbon Disulfide	2.502	76	117782	47.809	ug/l	98
18) Methyl Acetate	2.703	43	61707	46.173	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	165578	53.357	ug/l	97
20) Methylene Chloride	2.782	84	55644	50.565	ug/l	96
21) trans-1,2-Dichloroethene	3.087	96	48788	53.391	ug/l	97
22) Diisopropyl ether	3.758	45	180498	53.904	ug/l #	87
23) Vinyl Acetate	3.715	43	741441	265.335	ug/l	98
24) 1,1-Dichloroethane	3.605	63	100738	53.681	ug/l	99
25) 2-Butanone	4.556	43	231423	276.752	ug/l	97
26) 2,2-Dichloropropane	4.465	77	58131	66.041	ug/l	96
27) cis-1,2-Dichloroethene	4.483	96	61622	54.628	ug/l	93
28) Bromochloromethane	4.891	49	49330	55.149	ug/l	97
29) Tetrahydrofuran	5.007	42	146468	260.824	ug/l	99
30) Chloroform	5.087	83	105279	56.461	ug/l	98
31) Cyclohexane	5.458	56	89260	54.794	ug/l	97
32) 1,1,1-Trichloroethane	5.379	97	84889	56.368	ug/l	97
36) 1,1-Dichloropropene	5.684	75	66602	52.811	ug/l	99
37) Ethyl Acetate	4.715	43	80246	49.380	ug/l	99
38) Carbon Tetrachloride	5.666	117	71130	55.555	ug/l	99
39) Methylcyclohexane	7.373	83	84382	55.840	ug/l	96
40) Benzene	6.032	78	208143	52.266	ug/l	97

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032525\
Data File : VX045453.D
Acq On : 25 Mar 2025 20:14
Operator : JC/MD
Sample : Q1608-12MS
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MS

Quant Time: Mar 27 03:18:20 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	48028	54.658	ug/l		98
42) 1,2-Dichloroethane	6.080	62	83793	58.431	ug/l		96
43) Isopropyl Acetate	6.336	43	123504	51.396	ug/l		99
44) Trichloroethene	7.117	130	171657	183.571	ug/l		98
45) 1,2-Dichloropropane	7.428	63	51556	50.352	ug/l		97
46) Dibromomethane	7.580	93	38883	53.727	ug/l		96
47) Bromodichloromethane	7.818	83	77659	54.707	ug/l		97
48) Methyl methacrylate	7.690	41	68214	56.583	ug/l		93
49) 1,4-Dioxane	7.659	88	28024	1102.003	ug/l		96
51) 4-Methyl-2-Pentanone	8.574	43	459467	284.768	ug/l		98
52) Toluene	8.714	92	124829	53.425	ug/l		100
53) t-1,3-Dichloropropene	8.976	75	64569	54.408	ug/l		94
54) cis-1,3-Dichloropropene	8.360	75	73432	53.063	ug/l	#	88
55) 1,1,2-Trichloroethane	9.147	97	50866	52.881	ug/l		98
56) Ethyl methacrylate	9.116	69	81211	55.542	ug/l		92
57) 1,3-Dichloropropane	9.305	76	86605	52.026	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.159	63	151	0.212	ug/l	#	48
59) 2-Hexanone	9.427	43	348369	297.997	ug/l		97
60) Dibromochloromethane	9.519	129	54443	54.132	ug/l		99
61) 1,2-Dibromoethane	9.604	107	51698	53.837	ug/l		97
64) Tetrachloroethene	9.269	164	45256	58.224	ug/l		97
65) Chlorobenzene	10.073	112	133074	51.820	ug/l		100
66) 1,1,1,2-Tetrachloroethane	10.159	131	44970	52.584	ug/l		96
67) Ethyl Benzene	10.189	91	241425	53.955	ug/l		100
68) m/p-Xylenes	10.299	106	174457	106.504	ug/l		94
69) o-Xylene	10.640	106	85858	51.970	ug/l		93
70) Styrene	10.653	104	148946	55.720	ug/l		98
71) Bromoform	10.799	173	35249	54.659	ug/l	#	98
73) Isopropylbenzene	10.957	105	230995	51.672	ug/l		99
74) N-amyl acetate	10.842	43	108961	51.944	ug/l		98
75) 1,1,2,2-Tetrachloroethane	11.207	83	82659	50.387	ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	85393	64.058	ug/l		87
77) Bromobenzene	11.195	156	53228	50.465	ug/l		95
78) n-propylbenzene	11.299	91	269107	53.289	ug/l		98
79) 2-Chlorotoluene	11.360	91	165161	51.354	ug/l		98
80) 1,3,5-Trimethylbenzene	11.451	105	189979	52.558	ug/l		97
81) trans-1,4-Dichloro-2-b...	11.018	75	19709	50.596	ug/l		85
82) 4-Chlorotoluene	11.451	91	186957	53.338	ug/l		97
83) tert-Butylbenzene	11.713	119	191732	51.625	ug/l		97
84) 1,2,4-Trimethylbenzene	11.750	105	192914	53.041	ug/l		99
85) sec-Butylbenzene	11.890	105	236009	53.049	ug/l		99
86) p-Isopropyltoluene	12.006	119	192339	53.497	ug/l		98
87) 1,3-Dichlorobenzene	11.969	146	96495	51.283	ug/l		98
88) 1,4-Dichlorobenzene	12.037	146	95102	49.958	ug/l		98
89) n-Butylbenzene	12.329	91	170243	54.978	ug/l		99
90) Hexachloroethane	12.536	117	33310	51.222	ug/l		96
91) 1,2-Dichlorobenzene	12.335	146	97391	51.597	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	12.939	75	17914	56.052	ug/l		90
93) 1,2,4-Trichlorobenzene	13.585	180	54675	50.871	ug/l		99
94) Hexachlorobutadiene	13.725	225	22030	49.996	ug/l		99
95) Naphthalene	13.774	128	210140	50.889	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	56493	49.825	ug/l		98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032525\
Data File : VX045453.D
Acq On : 25 Mar 2025 20:14
Operator : JC/MD
Sample : Q1608-12MS
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MS

Quant Time: Mar 27 03:18:20 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

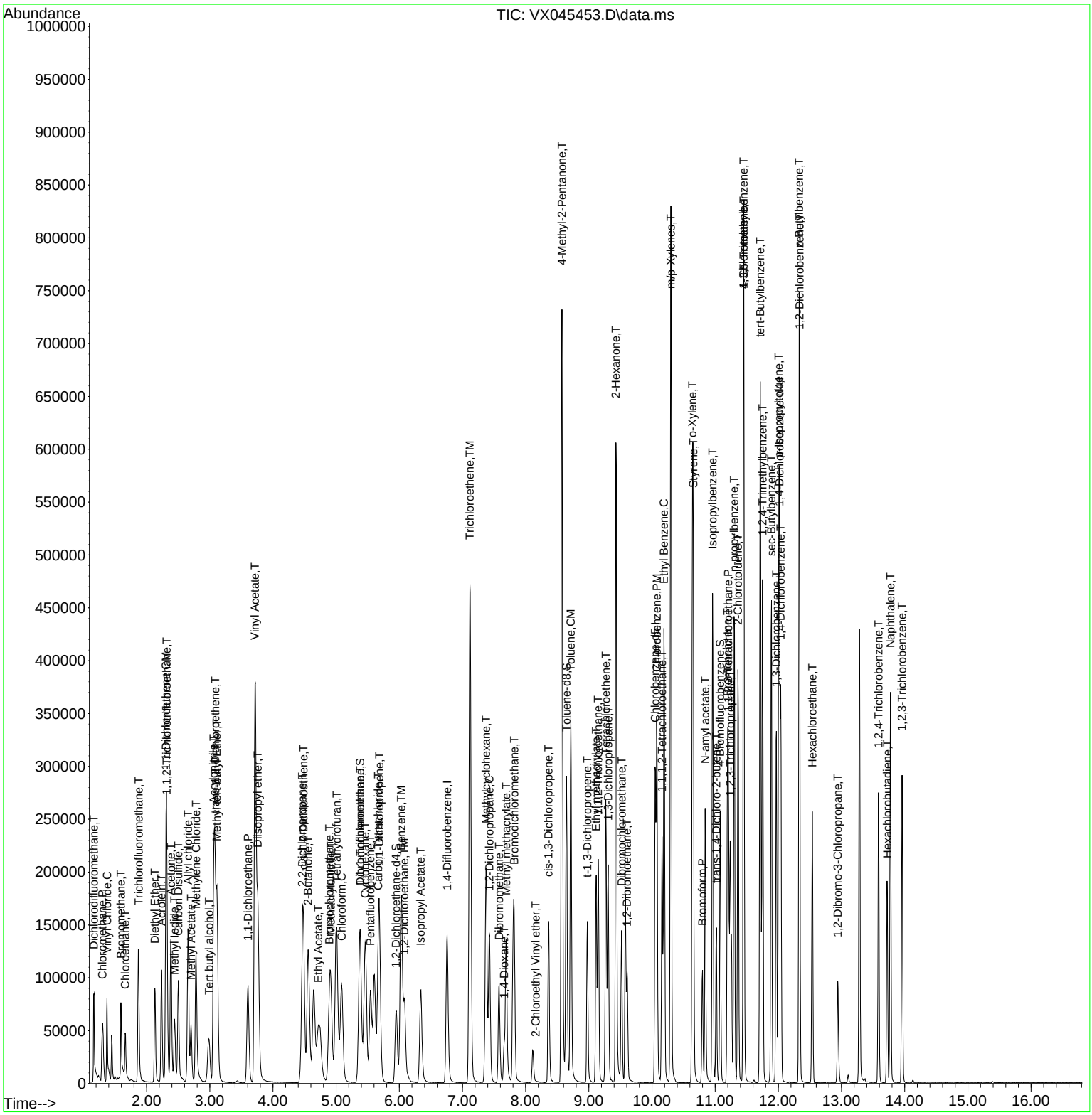
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

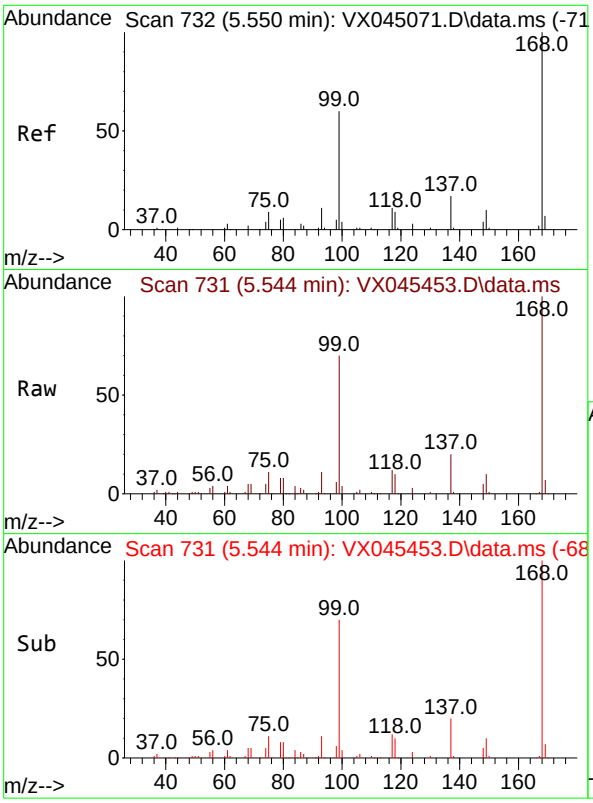
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032525\
Data File : VX045453.D
Acq On : 25 Mar 2025 20:14
Operator : JC/MD
Sample : Q1608-12MS
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MS

Quant Time: Mar 27 03:18:20 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



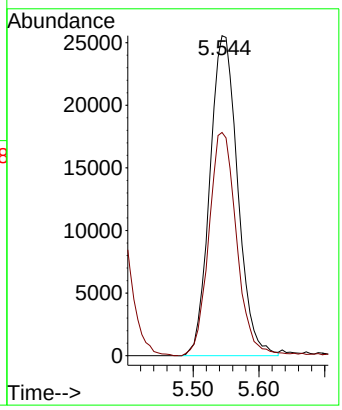


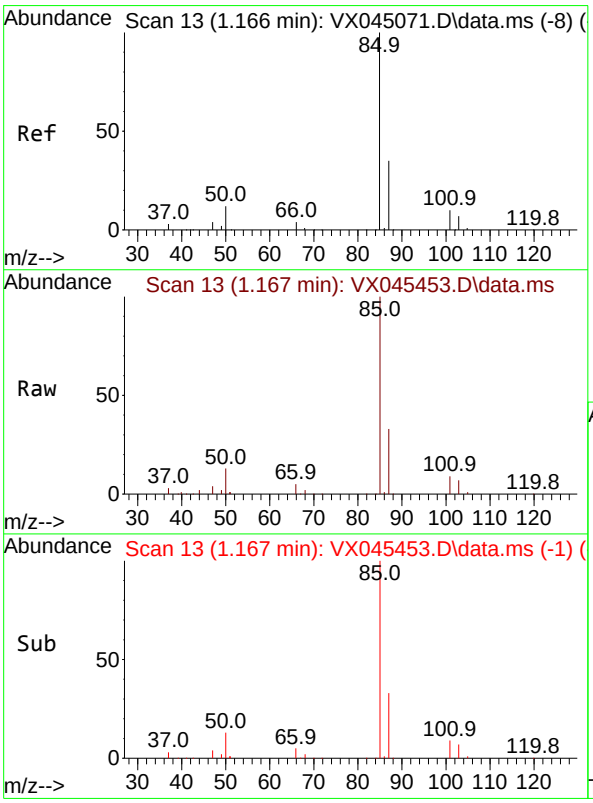
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045453.D
Acq: 25 Mar 2025 20:14

Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MS

Tgt Ion:168 Resp: 75274

Ion	Ratio	Lower	Upper
168	100		
99	69.7	48.2	72.4

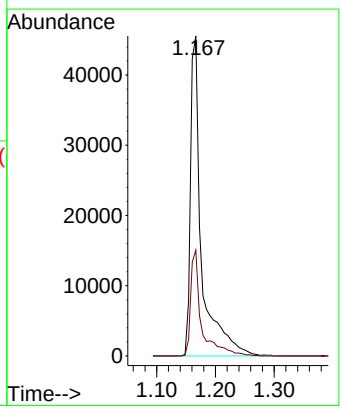


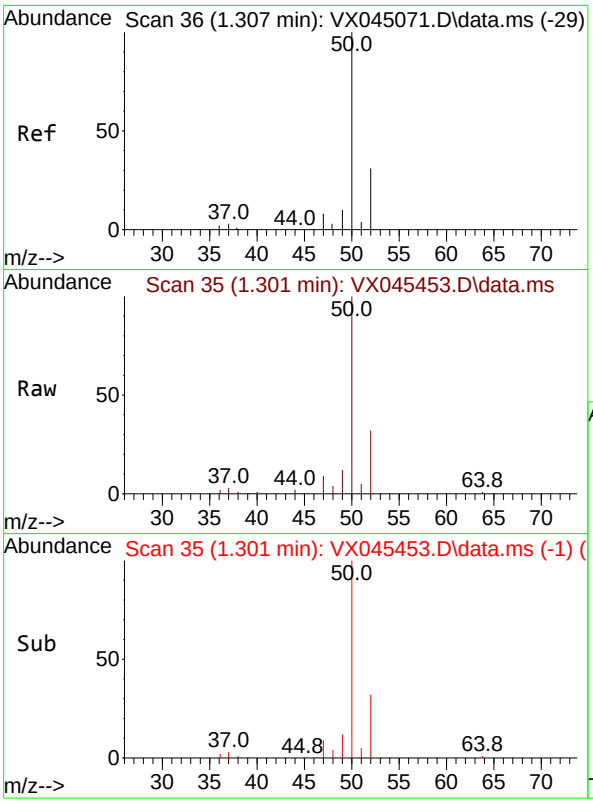


#2
Dichlorodifluoromethane
Concen: 63.146 ug/l
RT: 1.167 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX045453.D
Acq: 25 Mar 2025 20:14

Tgt Ion: 85 Resp: 59832

Ion	Ratio	Lower	Upper
85	100		
87	33.0	17.4	52.3



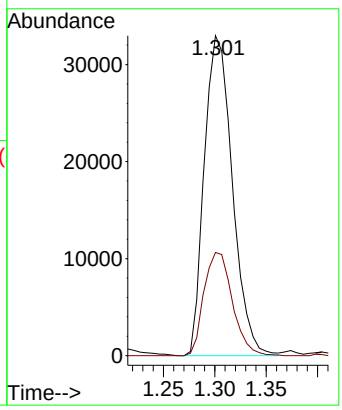


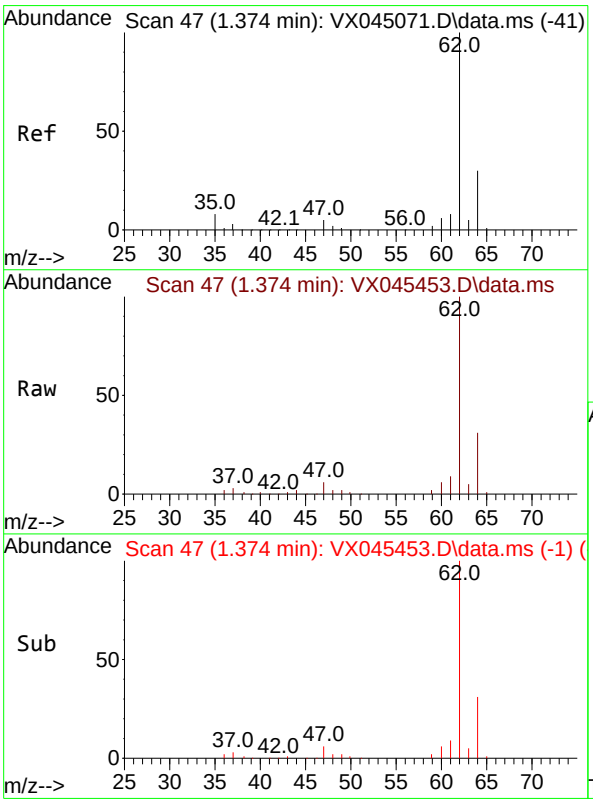
#3
Chloromethane
Concen: 54.127 ug/l
RT: 1.301 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045453.D
Acq: 25 Mar 2025 20:14

Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MS

Tgt Ion: 50 Resp: 62763

Ion	Ratio	Lower	Upper
50	100		
52	32.3	25.0	37.4

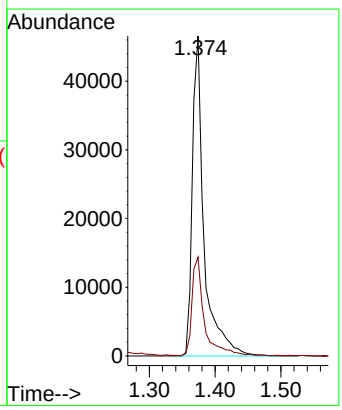


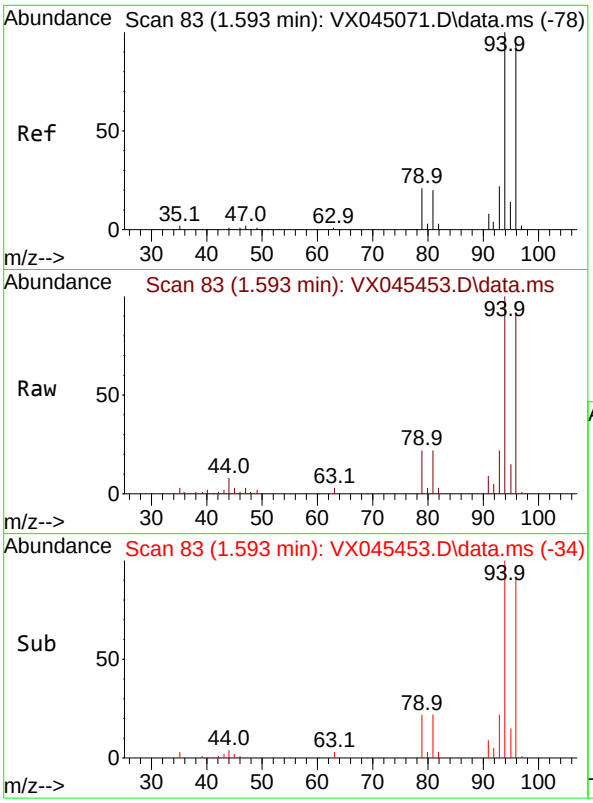


#4
Vinyl Chloride
Concen: 49.361 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX045453.D
Acq: 25 Mar 2025 20:14

Tgt Ion: 62 Resp: 56780

Ion	Ratio	Lower	Upper
62	100		
64	30.8	24.3	36.5



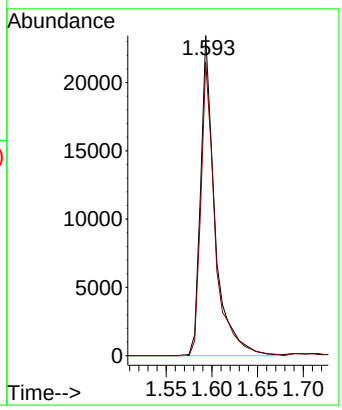


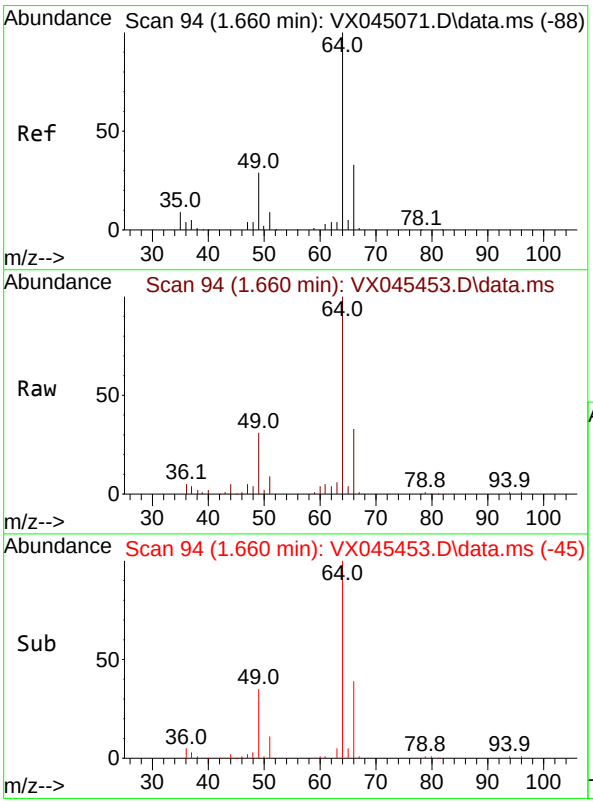
#5
Bromomethane
Concen: 56.665 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX045453.D
Acq: 25 Mar 2025 20:14

Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MS

Tgt Ion: 94 Resp: 25624

Ion	Ratio	Lower	Upper
94	100		
96	91.8	75.0	112.4

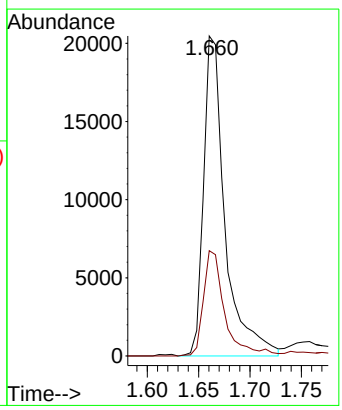


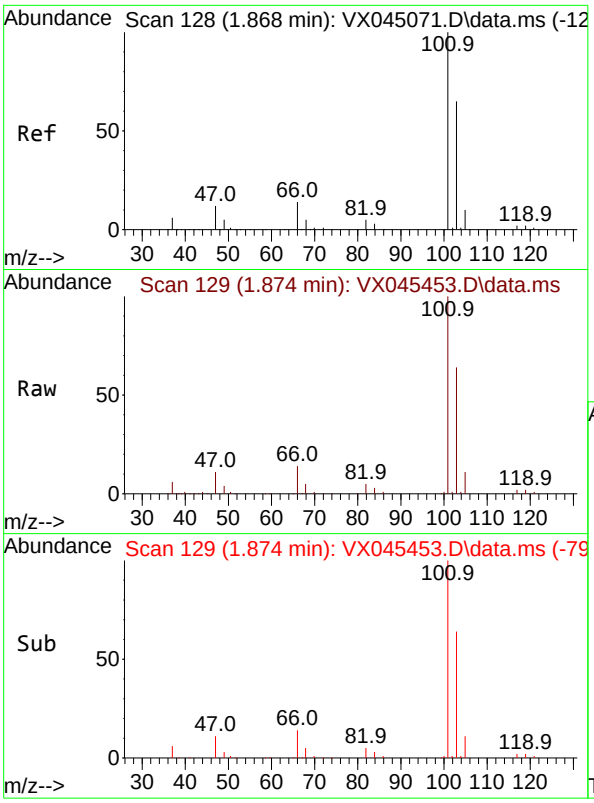


#6
Chloroethane
Concen: 56.049 ug/l
RT: 1.660 min Scan# 94
Delta R.T. 0.000 min
Lab File: VX045453.D
Acq: 25 Mar 2025 20:14

Tgt Ion: 64 Resp: 29739

Ion	Ratio	Lower	Upper
64	100		
66	32.9	26.7	40.1



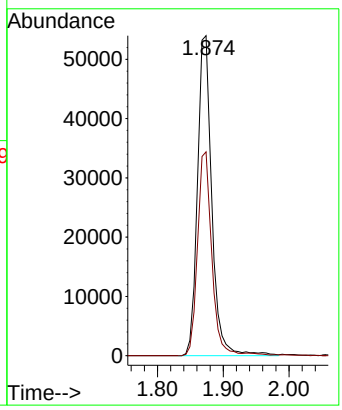


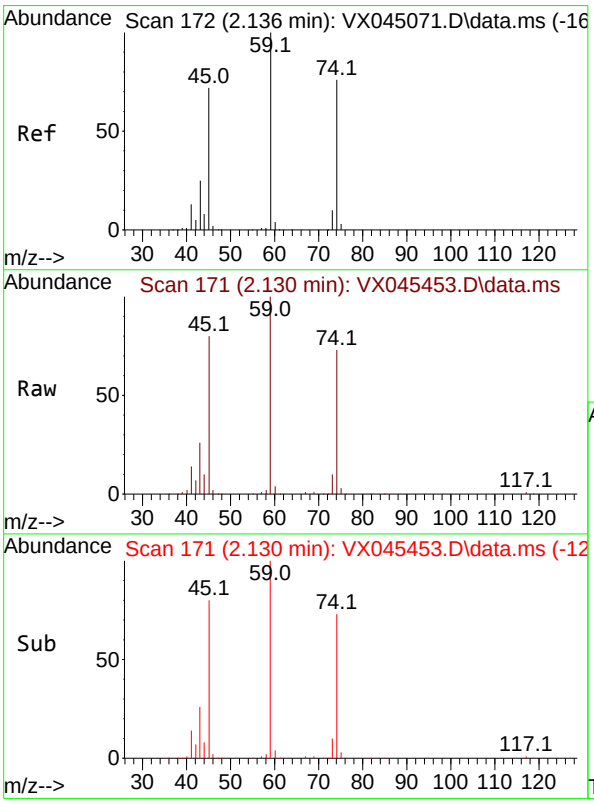
#7
Trichlorofluoromethane
Concen: 53.801 ug/l
RT: 1.874 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045453.D
Acq: 25 Mar 2025 20:14

Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MS

Tgt Ion:101 Resp: 81927

Ion	Ratio	Lower	Upper
101	100		
103	63.7	52.1	78.1

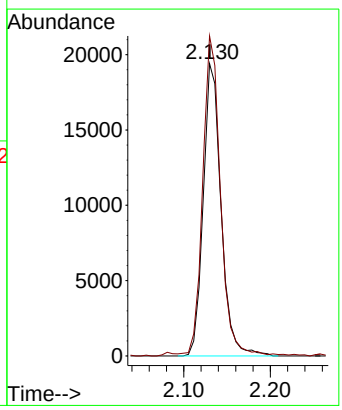


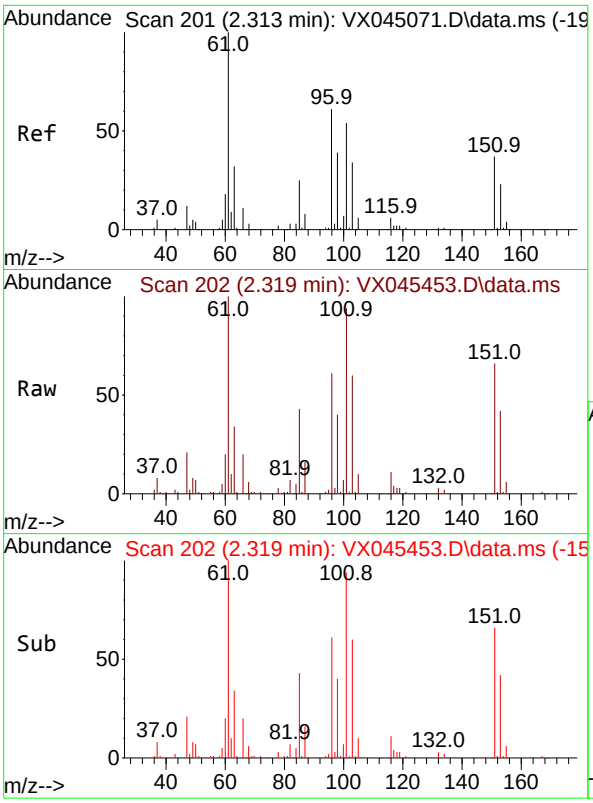


#8
Diethyl Ether
Concen: 46.560 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX045453.D
Acq: 25 Mar 2025 20:14

Tgt Ion: 74 Resp: 27732

Ion	Ratio	Lower	Upper
74	100		
45	107.8	51.5	154.5



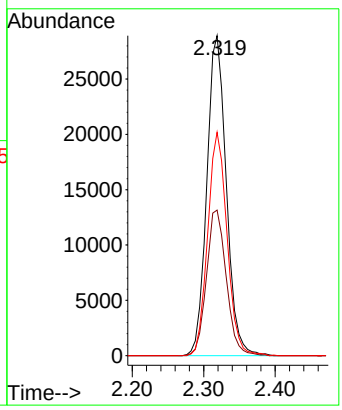


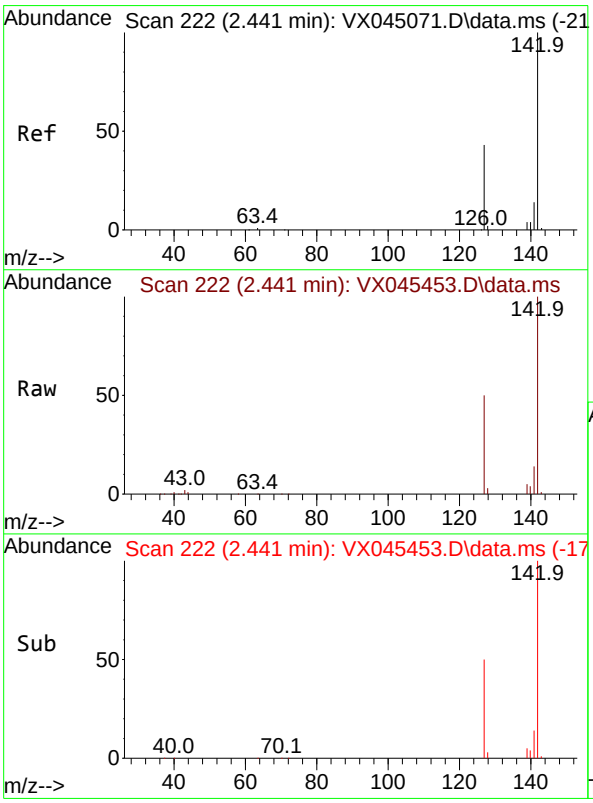
#9
1,1,2-Trichlorotrifluoroethane
Concen: 62.511 ug/l
RT: 2.319 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX045453.D
Acq: 25 Mar 2025 20:14

Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MS

Tgt Ion:101 Resp: 54689

Ion	Ratio	Lower	Upper
101	100		
85	46.4	36.2	54.4
151	69.4	56.4	84.6

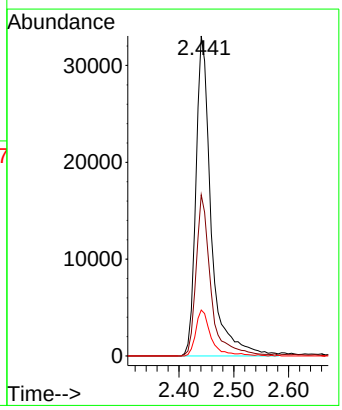


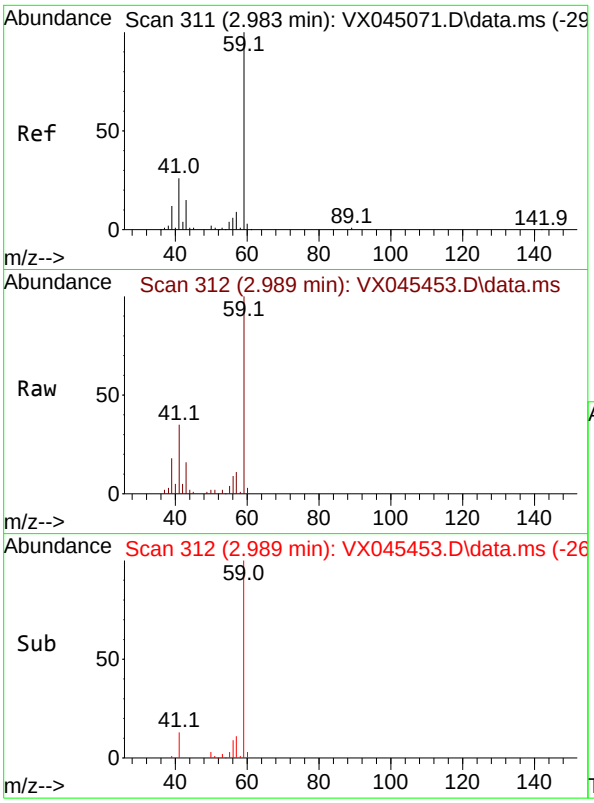


#10
Methyl Iodide
Concen: 58.943 ug/l
RT: 2.441 min Scan# 222
Delta R.T. 0.000 min
Lab File: VX045453.D
Acq: 25 Mar 2025 20:14

Tgt Ion:142 Resp: 64444

Ion	Ratio	Lower	Upper
142	100		
127	48.5	35.4	53.2
141	14.3	11.6	17.4



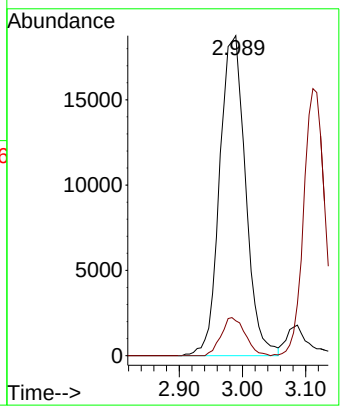


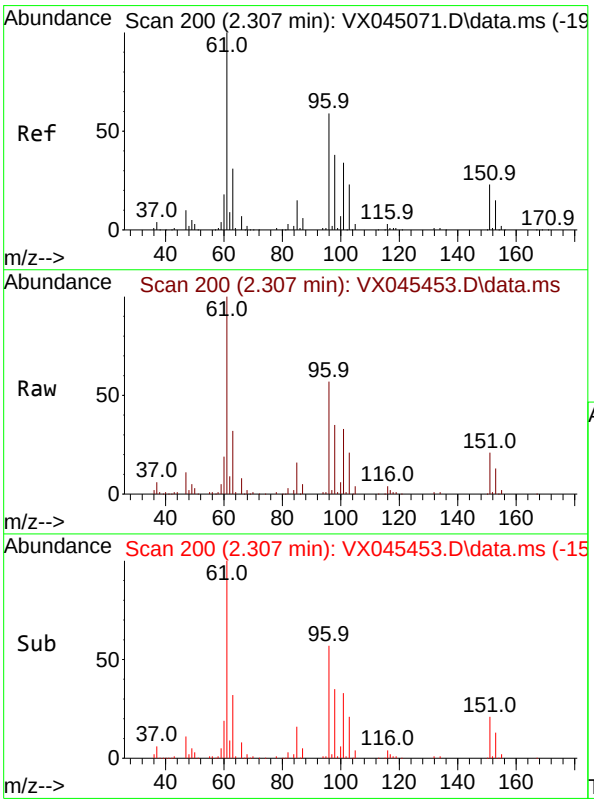
#11
Tert butyl alcohol
Concen: 235.017 ug/l
RT: 2.989 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX045453.D
Acq: 25 Mar 2025 20:14

Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MS

Tgt Ion: 59 Resp: 53301

Ion	Ratio	Lower	Upper
59	100		
57	11.1	7.8	11.8

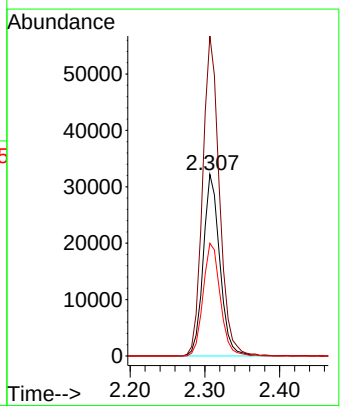


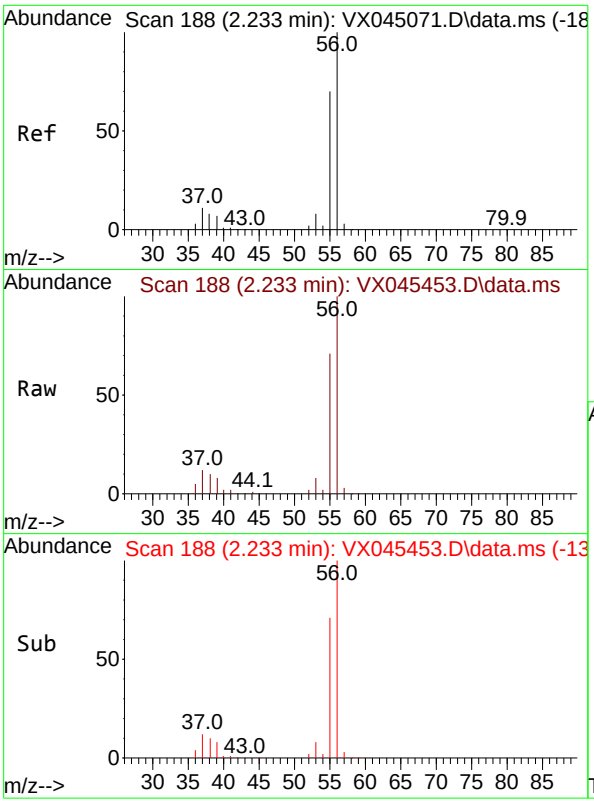


#12
1,1-Dichloroethene
Concen: 53.528 ug/l
RT: 2.307 min Scan# 200
Delta R.T. 0.000 min
Lab File: VX045453.D
Acq: 25 Mar 2025 20:14

Tgt Ion: 96 Resp: 49511

Ion	Ratio	Lower	Upper
96	100		
61	176.2	134.6	202.0
98	62.1	51.0	76.6



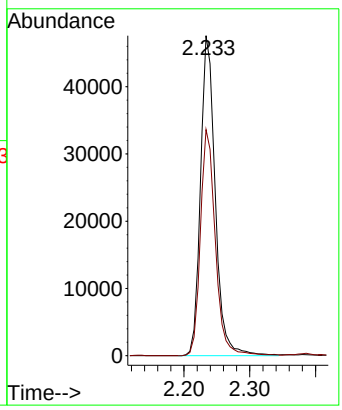


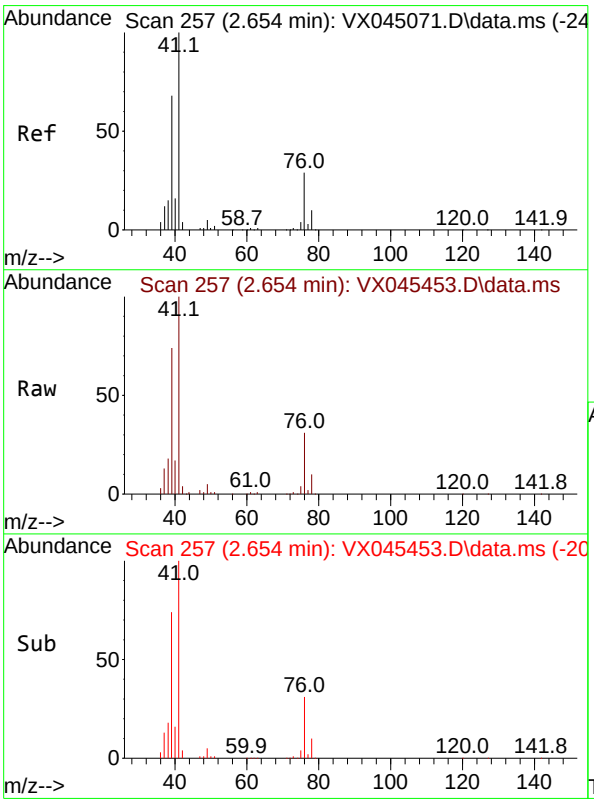
#13
Acrolein
Concen: 282.920 ug/l
RT: 2.233 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045453.D
Acq: 25 Mar 2025 20:14

Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MS

Tgt Ion: 56 Resp: 74173

Ion	Ratio	Lower	Upper
56	100		
55	71.7	56.2	84.4

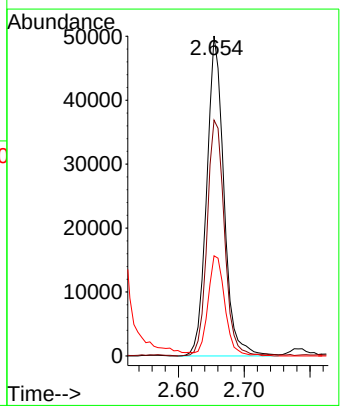


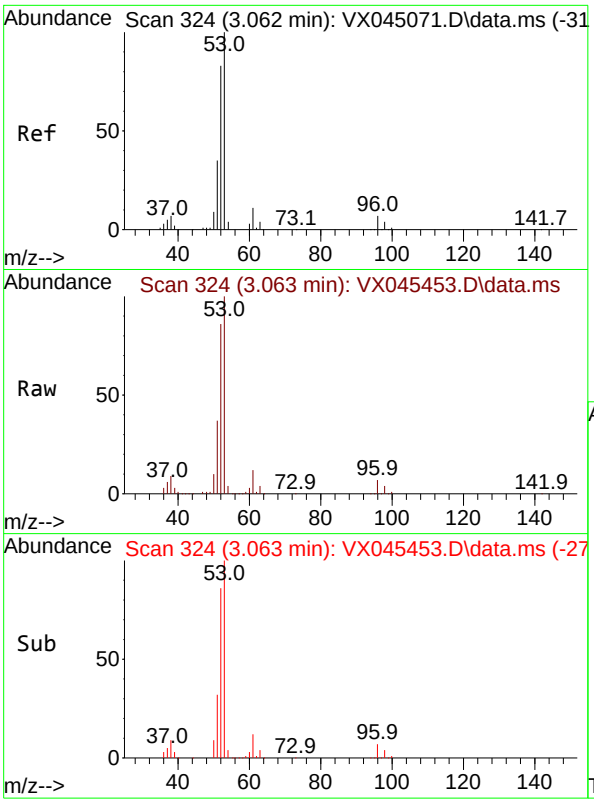


#14
Allyl chloride
Concen: 55.544 ug/l
RT: 2.654 min Scan# 257
Delta R.T. 0.000 min
Lab File: VX045453.D
Acq: 25 Mar 2025 20:14

Tgt Ion: 41 Resp: 91452

Ion	Ratio	Lower	Upper
41	100		
39	74.3	53.8	80.8
76	30.7	25.2	37.8



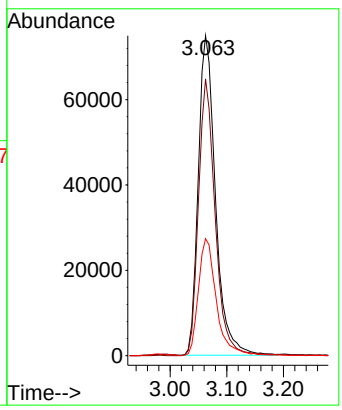


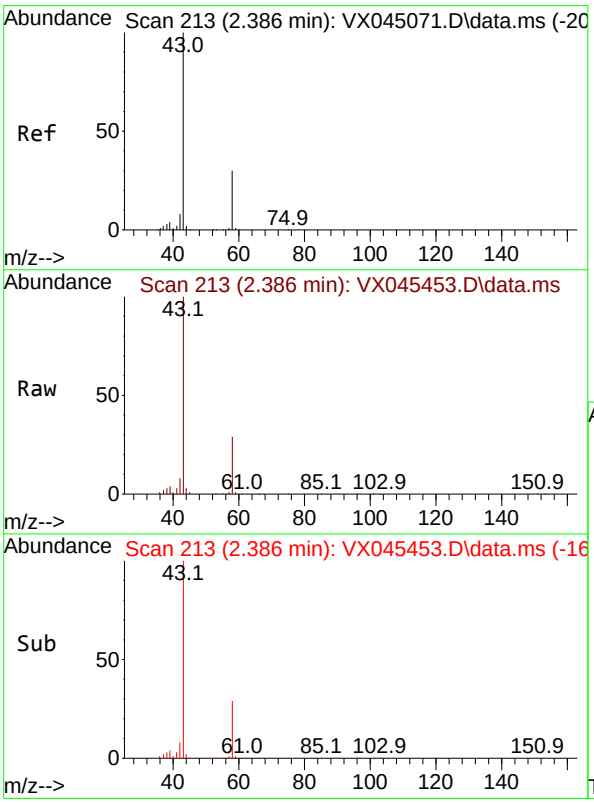
#15
Acrylonitrile
Concen: 260.380 ug/l
RT: 3.063 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045453.D
Acq: 25 Mar 2025 20:14

Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MS

Tgt Ion: 53 Resp: 158269

Ion	Ratio	Lower	Upper
53	100		
52	84.3	66.2	99.2
51	38.0	29.0	43.4

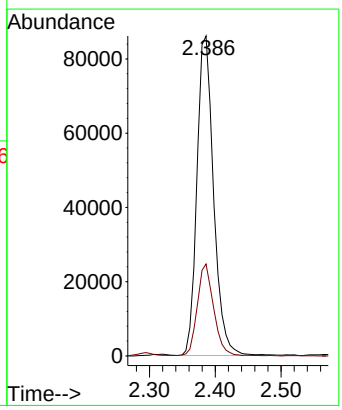


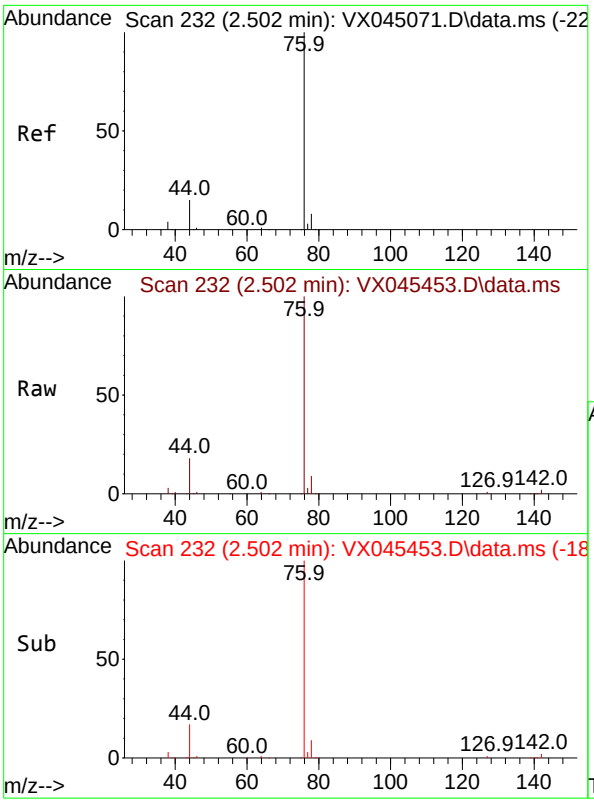


#16
Acetone
Concen: 271.852 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX045453.D
Acq: 25 Mar 2025 20:14

Tgt Ion: 43 Resp: 151022

Ion	Ratio	Lower	Upper
43	100		
58	28.7	24.2	36.4



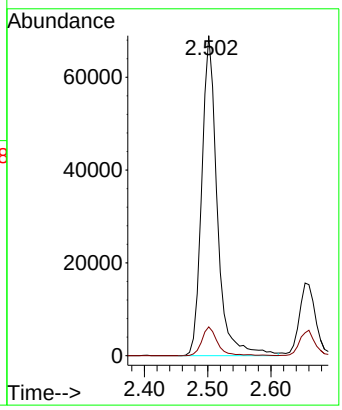


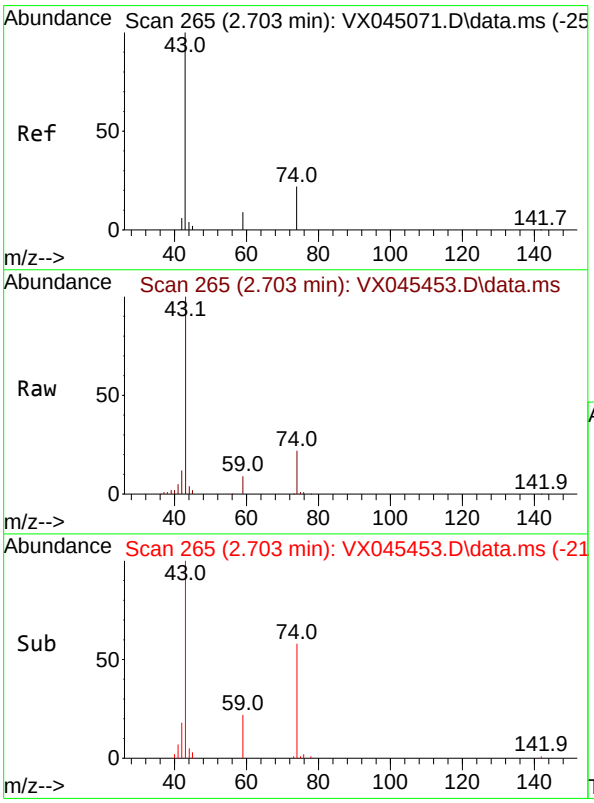
#17
Carbon Disulfide
Concen: 47.809 ug/l
RT: 2.502 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045453.D
Acq: 25 Mar 2025 20:14

Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MS

Tgt Ion: 76 Resp: 117782

Ion	Ratio	Lower	Upper
76	100		
78	9.0	6.6	9.8

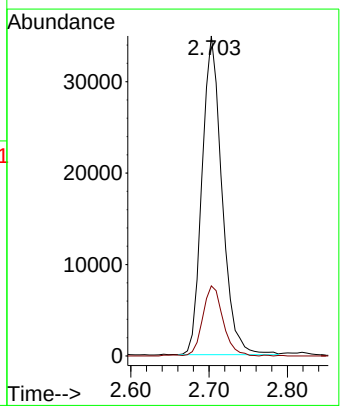


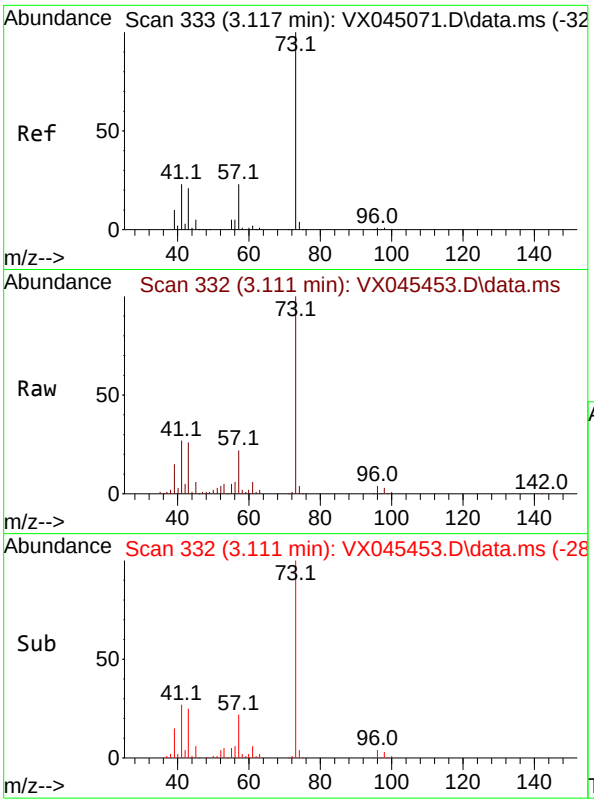


#18
Methyl Acetate
Concen: 46.173 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX045453.D
Acq: 25 Mar 2025 20:14

Tgt Ion: 43 Resp: 61707

Ion	Ratio	Lower	Upper
43	100		
74	22.5	17.4	26.2



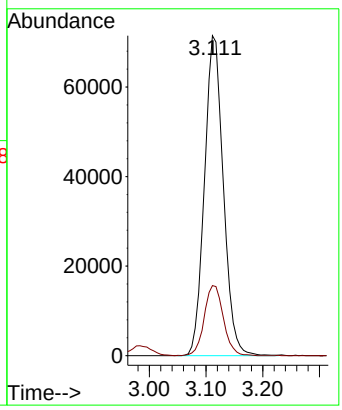


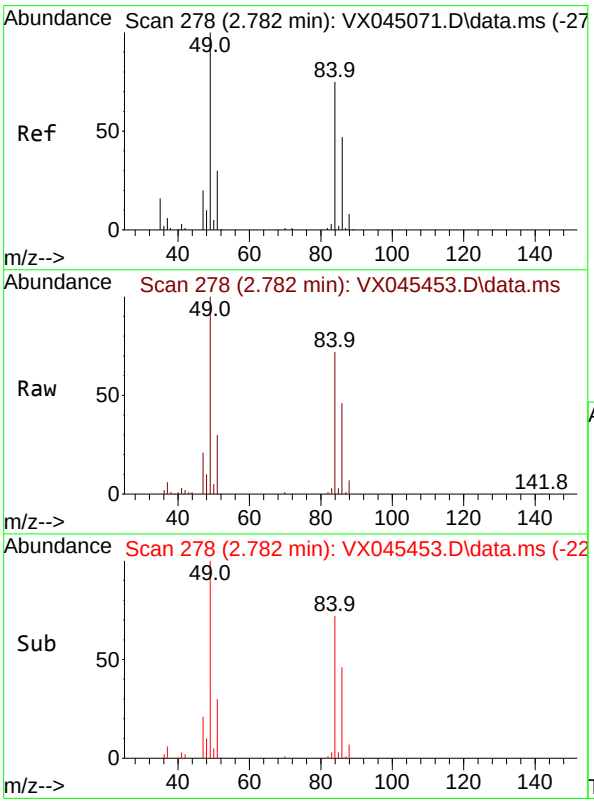
#19
Methyl tert-butyl Ether
Concen: 53.357 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045453.D
Acq: 25 Mar 2025 20:14

Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MS

Tgt Ion: 73 Resp: 165578

Ion	Ratio	Lower	Upper
73	100		
57	21.8	18.5	27.7

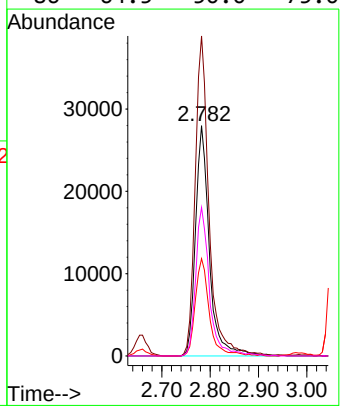


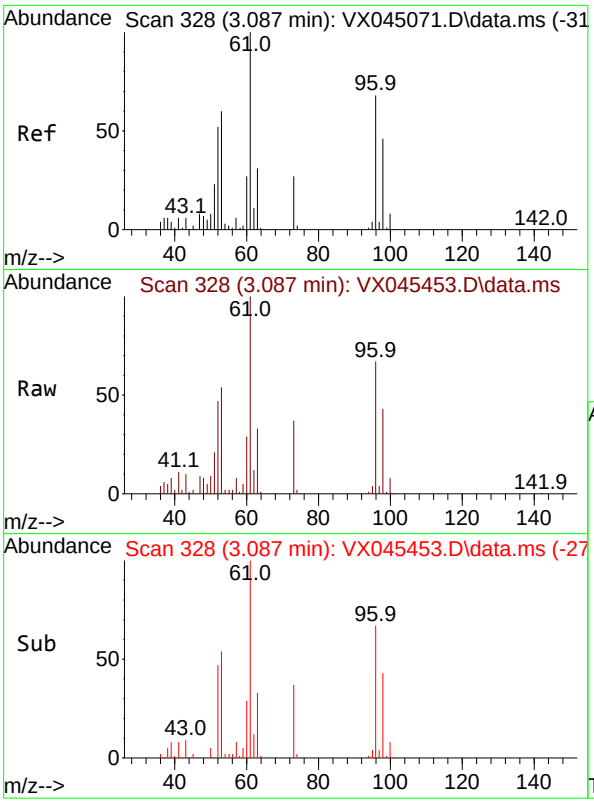


#20
Methylene Chloride
Concen: 50.565 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX045453.D
Acq: 25 Mar 2025 20:14

Tgt Ion: 84 Resp: 55644

Ion	Ratio	Lower	Upper
84	100		
49	139.0	106.5	159.7
51	42.2	32.1	48.1
86	64.5	50.0	75.0



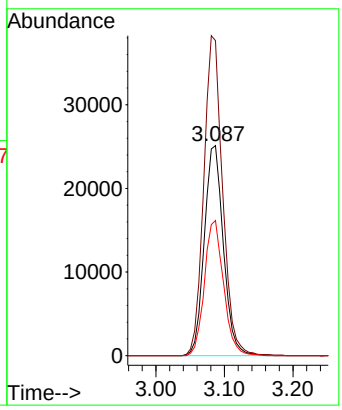


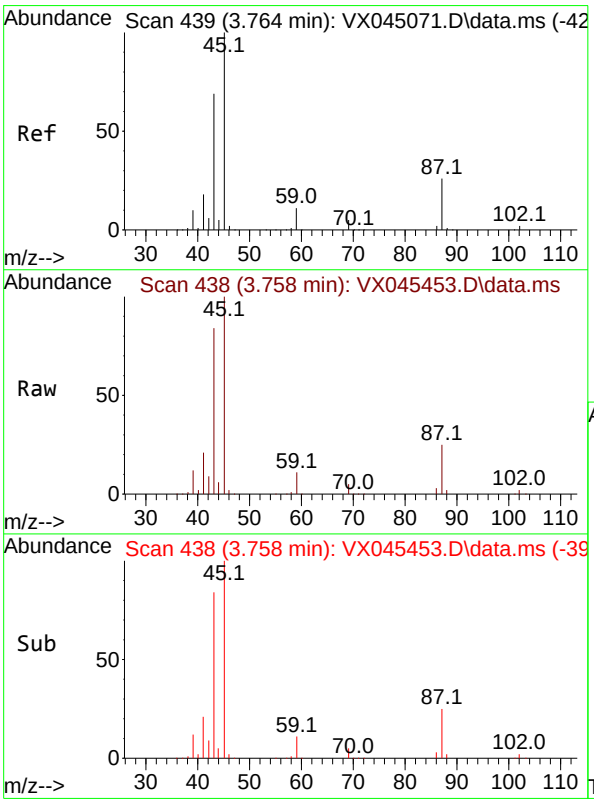
#21
trans-1,2-Dichloroethene
Concen: 53.391 ug/l
RT: 3.087 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045453.D
Acq: 25 Mar 2025 20:14

Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MS

Tgt Ion: 96 Resp: 48788

Ion	Ratio	Lower	Upper
96	100		
61	150.0	117.0	175.4
98	64.4	53.4	80.2

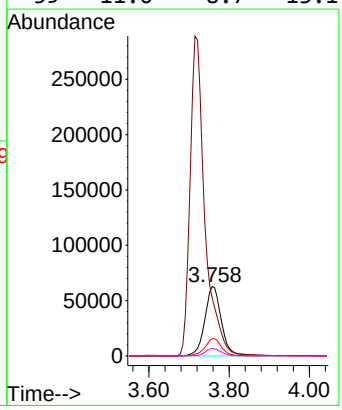


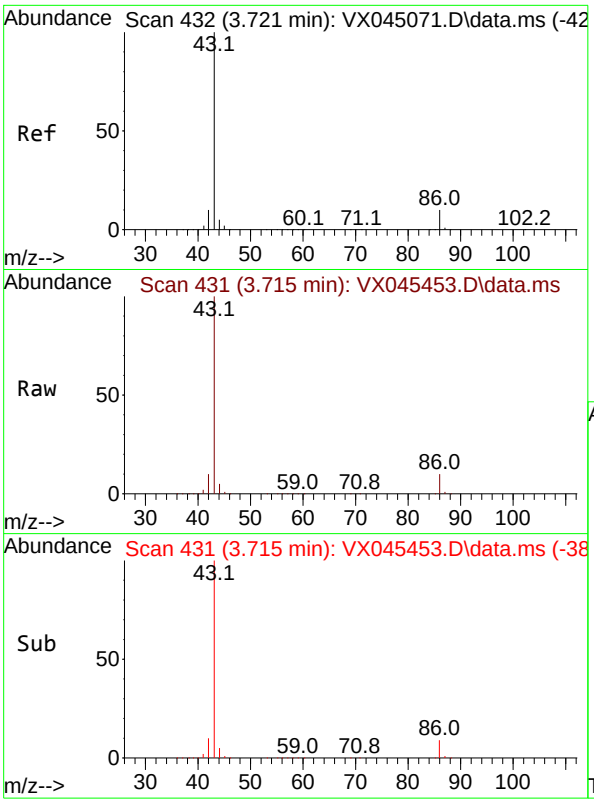


#22
Diisopropyl ether
Concen: 53.904 ug/l
RT: 3.758 min Scan# 438
Delta R.T. -0.006 min
Lab File: VX045453.D
Acq: 25 Mar 2025 20:14

Tgt Ion: 45 Resp: 180498

Ion	Ratio	Lower	Upper
45	100		
43	83.9	54.9	82.3#
87	25.0	21.0	31.4
59	11.0	8.7	13.1



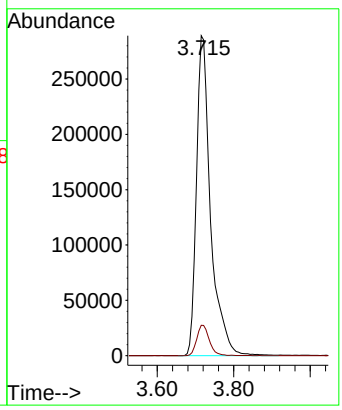


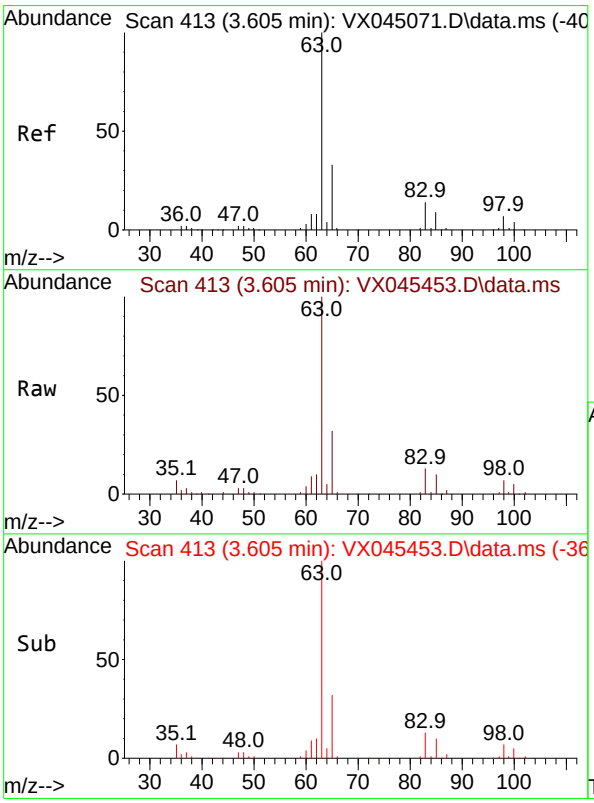
#23
Vinyl Acetate
Concen: 265.335 ug/l
RT: 3.715 min Scan# 4
Delta R.T. -0.006 min
Lab File: VX045453.D
Acq: 25 Mar 2025 20:14

Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MS

Tgt Ion: 43 Resp: 741441

Ion	Ratio	Lower	Upper
43	100		
86	9.5	8.1	12.1

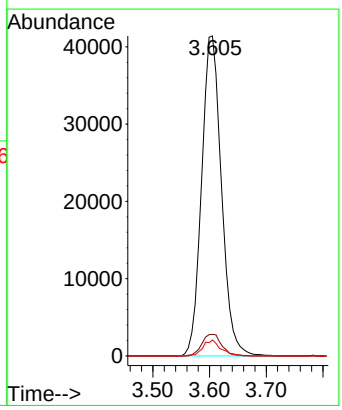


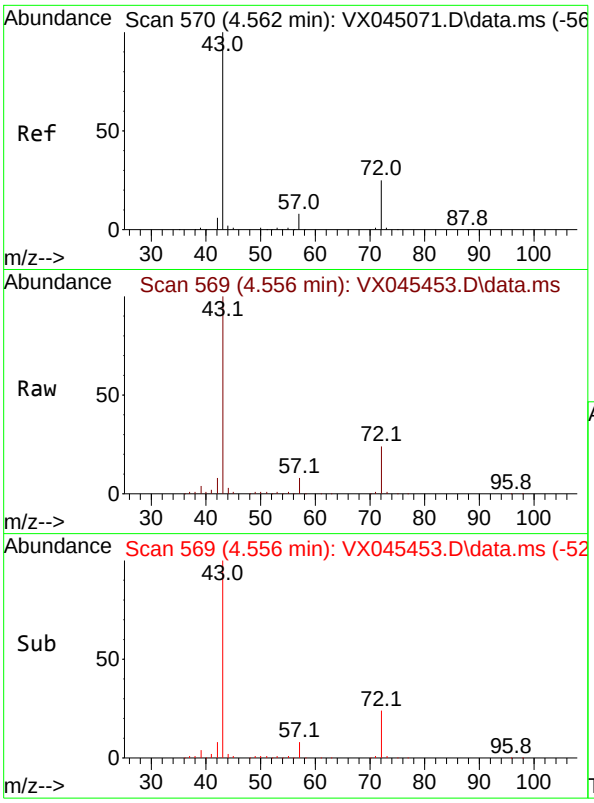


#24
1,1-Dichloroethane
Concen: 53.681 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX045453.D
Acq: 25 Mar 2025 20:14

Tgt Ion: 63 Resp: 100738

Ion	Ratio	Lower	Upper
63	100		
98	6.8	3.4	10.2
100	5.0	2.1	6.5



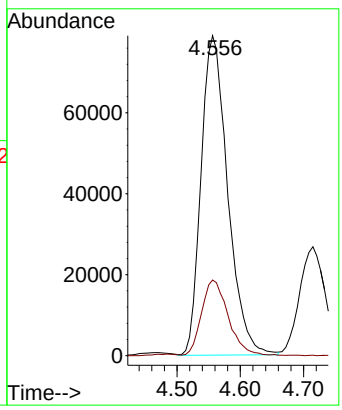


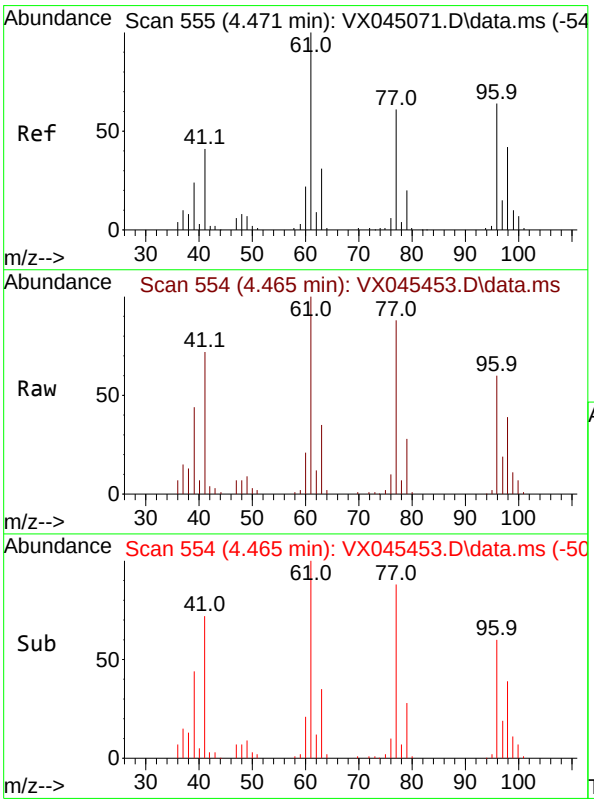
#25
2-Butanone
Concen: 276.752 ug/l
RT: 4.556 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX045453.D
Acq: 25 Mar 2025 20:14

Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MS

Tgt Ion: 43 Resp: 231423

Ion	Ratio	Lower	Upper
43	100		
72	23.5	20.0	30.0

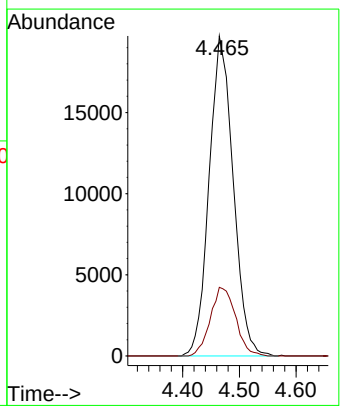


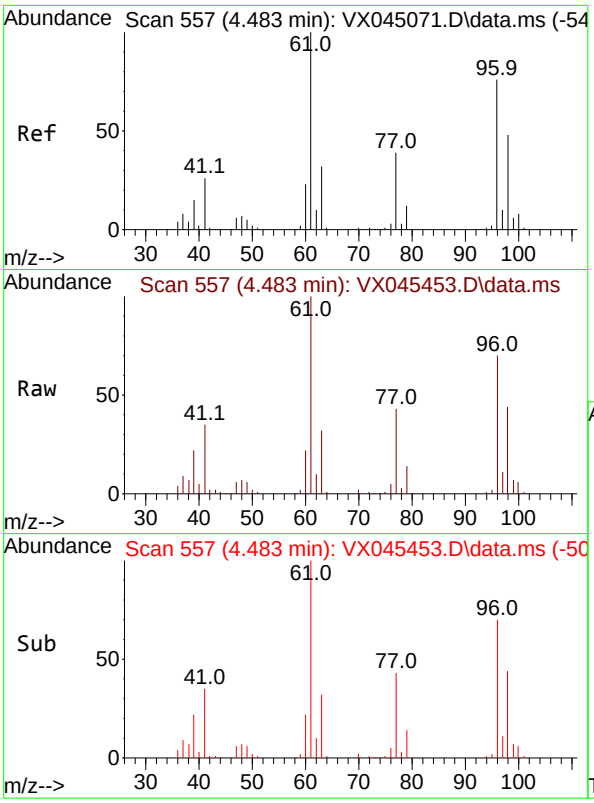


#26
2,2-Dichloropropane
Concen: 66.041 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.006 min
Lab File: VX045453.D
Acq: 25 Mar 2025 20:14

Tgt Ion: 77 Resp: 58131

Ion	Ratio	Lower	Upper
77	100		
97	22.5	12.4	37.0



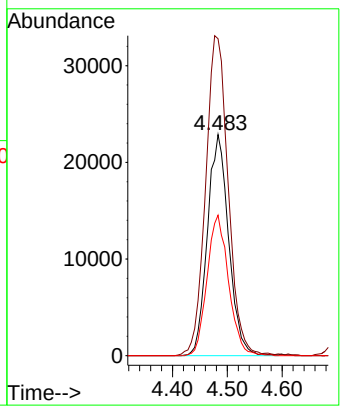


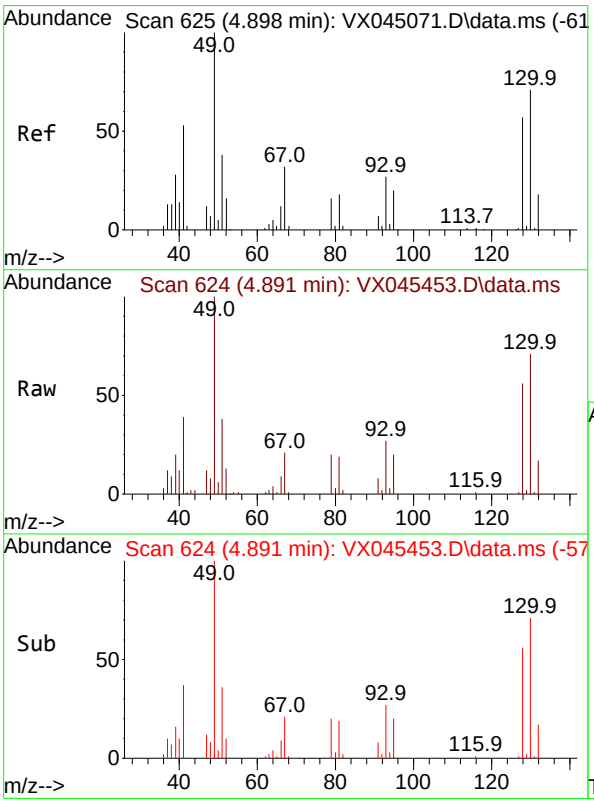
#27
cis-1,2-Dichloroethene
Concen: 54.628 ug/l
RT: 4.483 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX045453.D
Acq: 25 Mar 2025 20:14

Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MS

Tgt Ion: 96 Resp: 61622

Ion	Ratio	Lower	Upper
96	100		
61	153.4	0.0	283.2
98	64.3	0.0	128.0

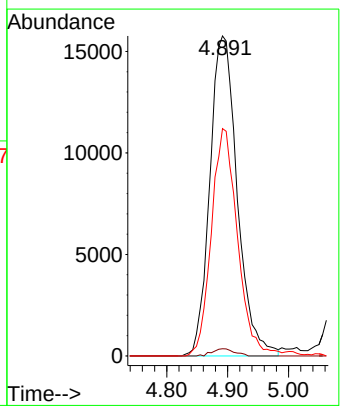


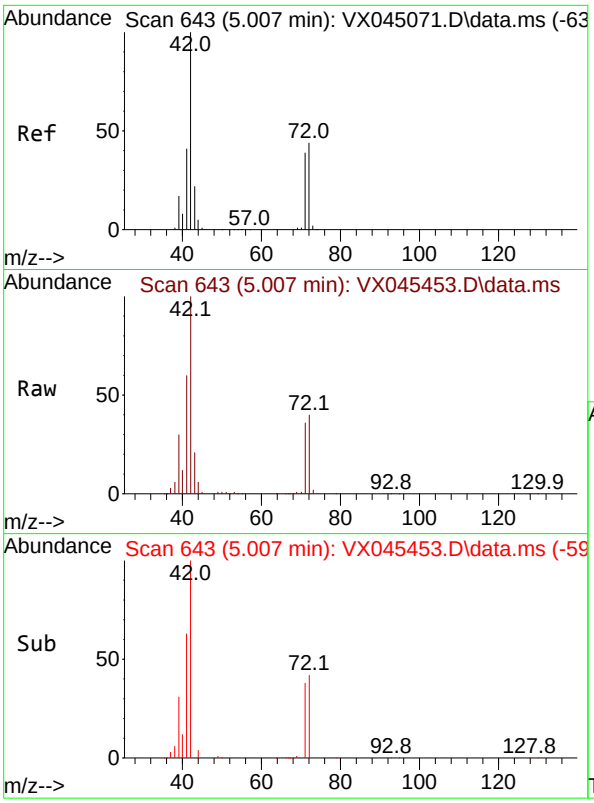


#28
Bromochloromethane
Concen: 55.149 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX045453.D
Acq: 25 Mar 2025 20:14

Tgt Ion: 49 Resp: 49330

Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.4
130	67.7	56.1	84.1



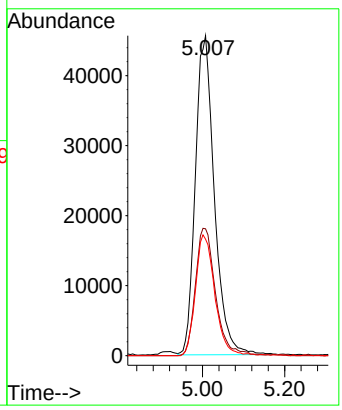


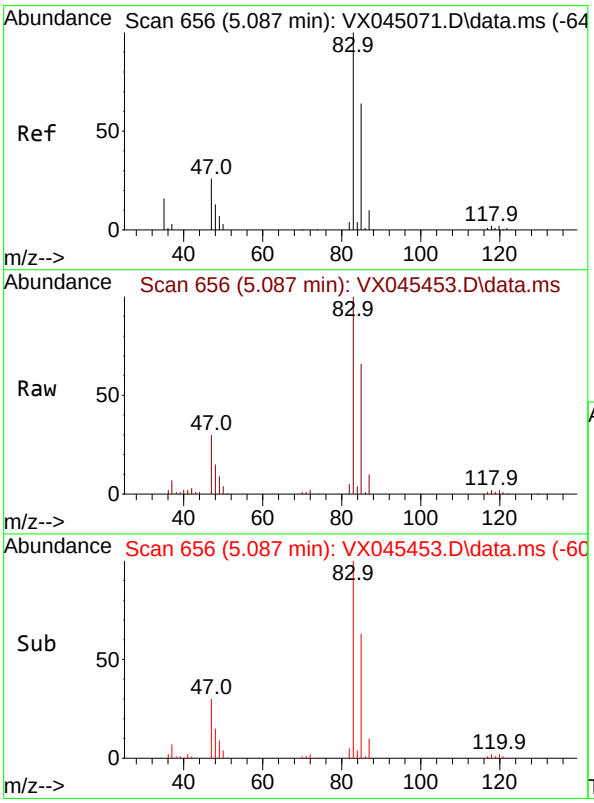
#29
Tetrahydrofuran
Concen: 260.824 ug/l
RT: 5.007 min Scan# 64
Delta R.T. 0.000 min
Lab File: VX045453.D
Acq: 25 Mar 2025 20:14

Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MS

Tgt Ion: 42 Resp: 146468

Ion	Ratio	Lower	Upper
42	100		
72	42.2	34.1	51.1
71	38.4	31.4	47.0

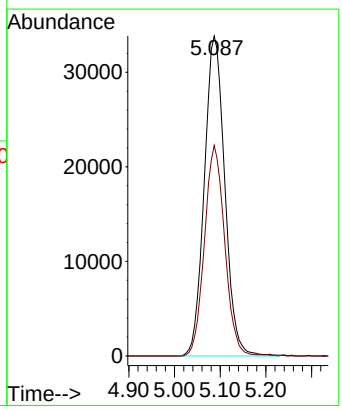


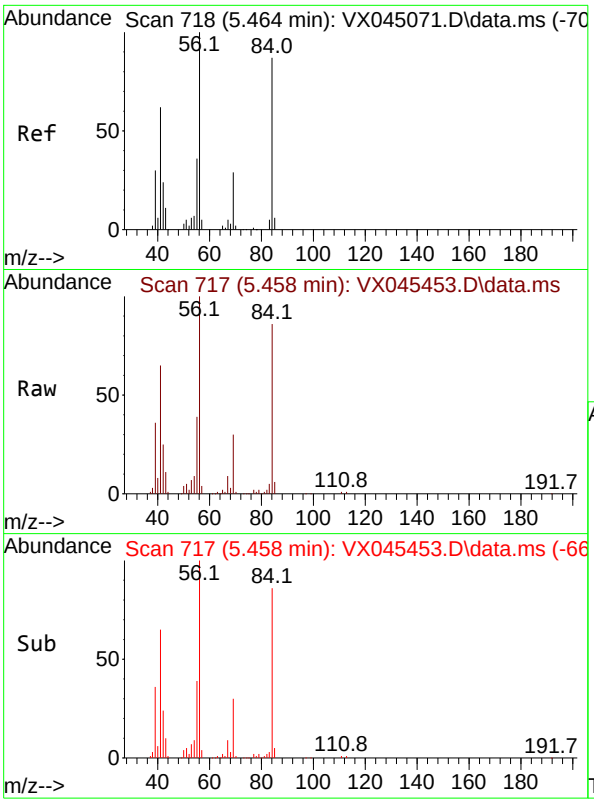


#30
Chloroform
Concen: 56.461 ug/l
RT: 5.087 min Scan# 656
Delta R.T. 0.000 min
Lab File: VX045453.D
Acq: 25 Mar 2025 20:14

Tgt Ion: 83 Resp: 105279

Ion	Ratio	Lower	Upper
83	100		
85	65.8	51.4	77.2



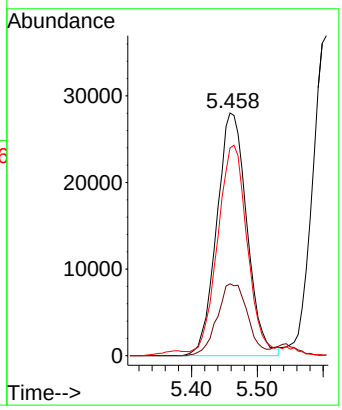


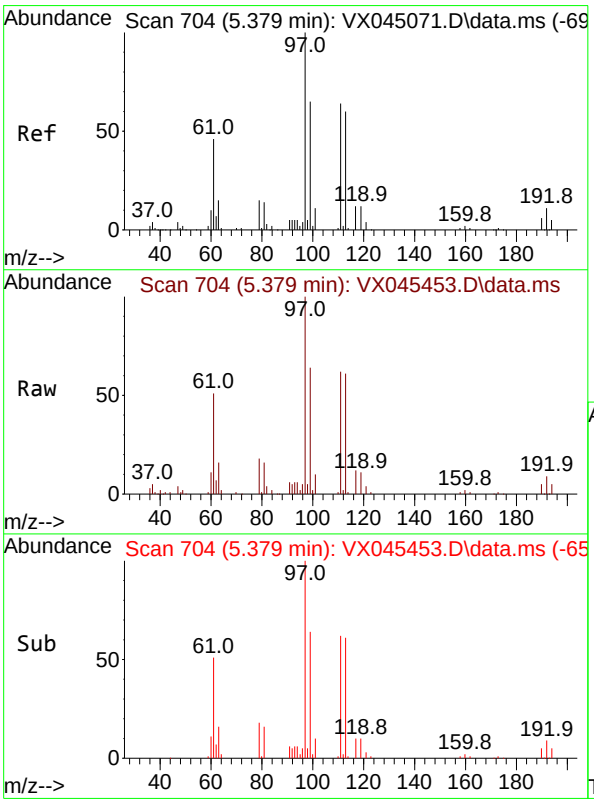
#31
Cyclohexane
Concen: 54.794 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045453.D
Acq: 25 Mar 2025 20:14

Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MS

Tgt Ion: 56 Resp: 89260

Ion	Ratio	Lower	Upper
56	100		
69	29.6	23.4	35.2
84	83.5	69.4	104.2

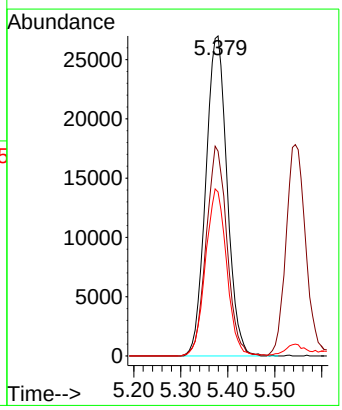


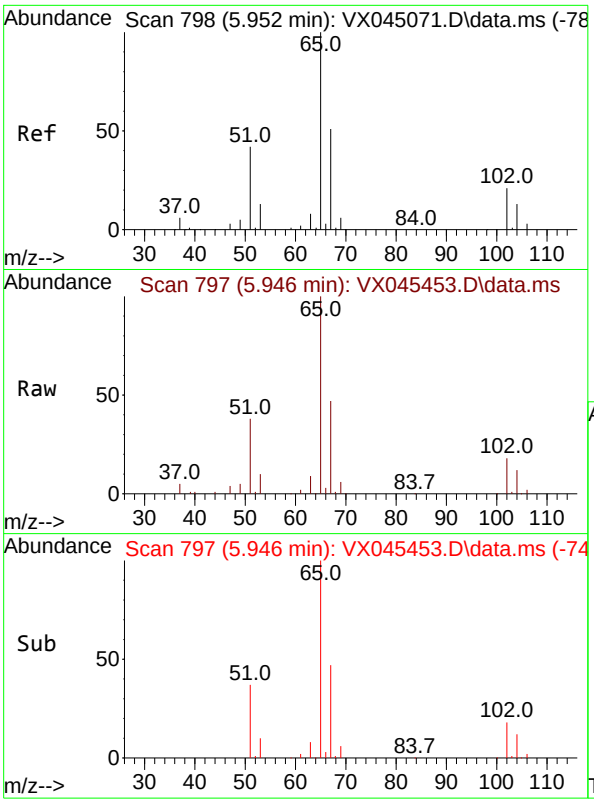


#32
1,1,1-Trichloroethane
Concen: 56.368 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX045453.D
Acq: 25 Mar 2025 20:14

Tgt Ion: 97 Resp: 84889

Ion	Ratio	Lower	Upper
97	100		
99	63.9	51.6	77.4
61	52.0	38.4	57.6



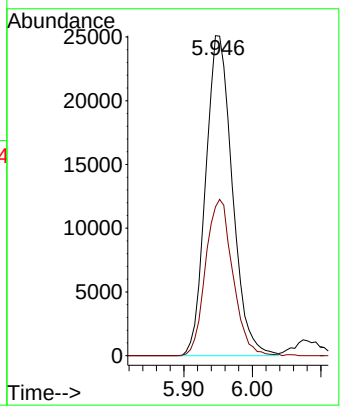


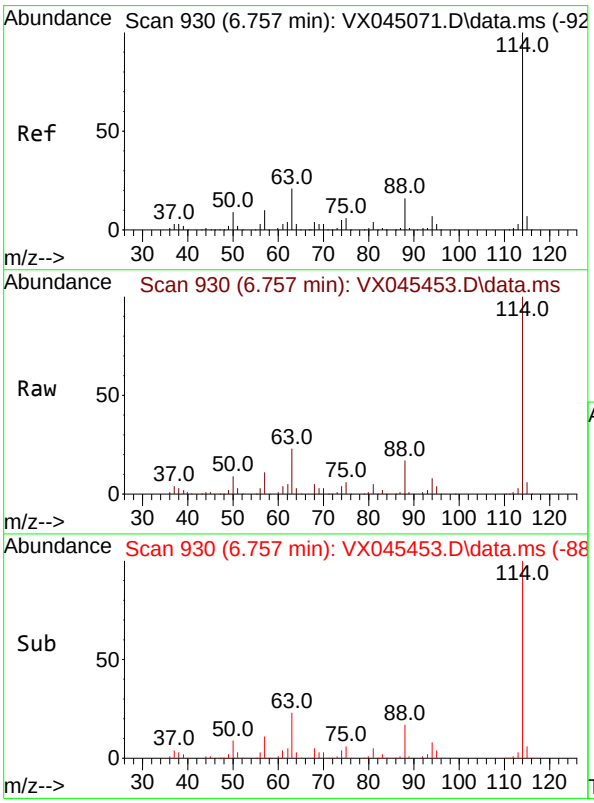
#33
1,2-Dichloroethane-d4
Concen: 56.661 ug/l
RT: 5.946 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045453.D
Acq: 25 Mar 2025 20:14

Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MS

Tgt Ion: 65 Resp: 67843

Ion	Ratio	Lower	Upper
65	100		
67	49.8	0.0	106.2

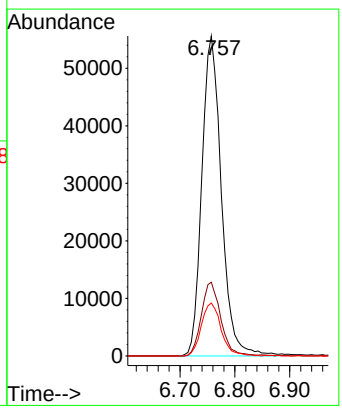


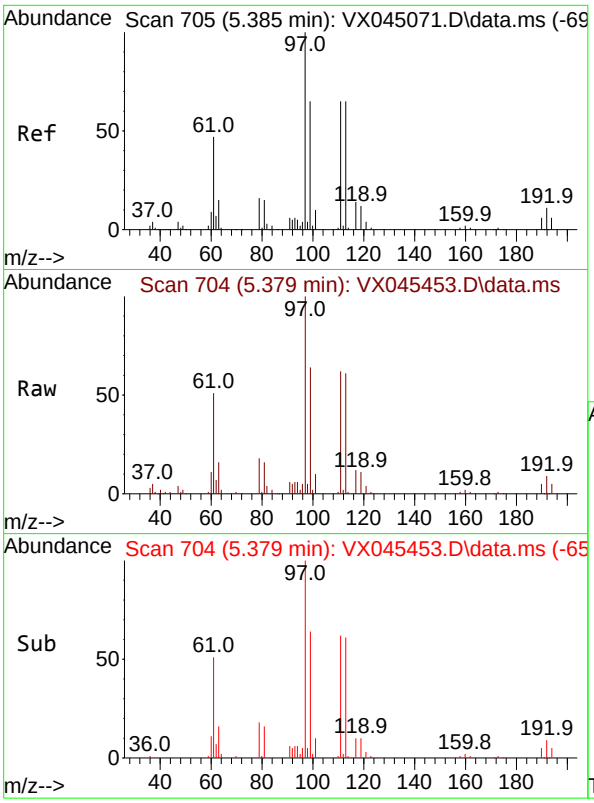


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX045453.D
Acq: 25 Mar 2025 20:14

Tgt Ion:114 Resp: 137526

Ion	Ratio	Lower	Upper
114	100		
63	23.0	0.0	41.8
88	16.6	0.0	32.8



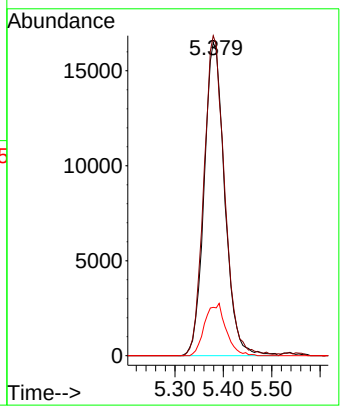


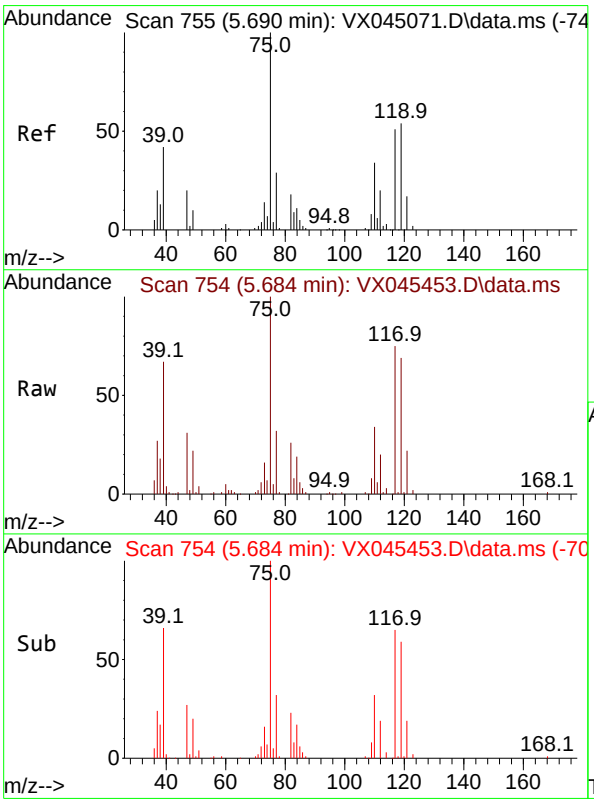
#35
Dibromofluoromethane
Concen: 52.894 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045453.D
Acq: 25 Mar 2025 20:14

Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MS

Tgt Ion:113 Resp: 48641

Ion	Ratio	Lower	Upper
113	100		
111	103.2	81.8	122.6
192	17.2	14.3	21.5

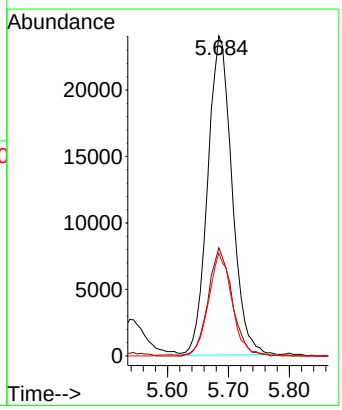


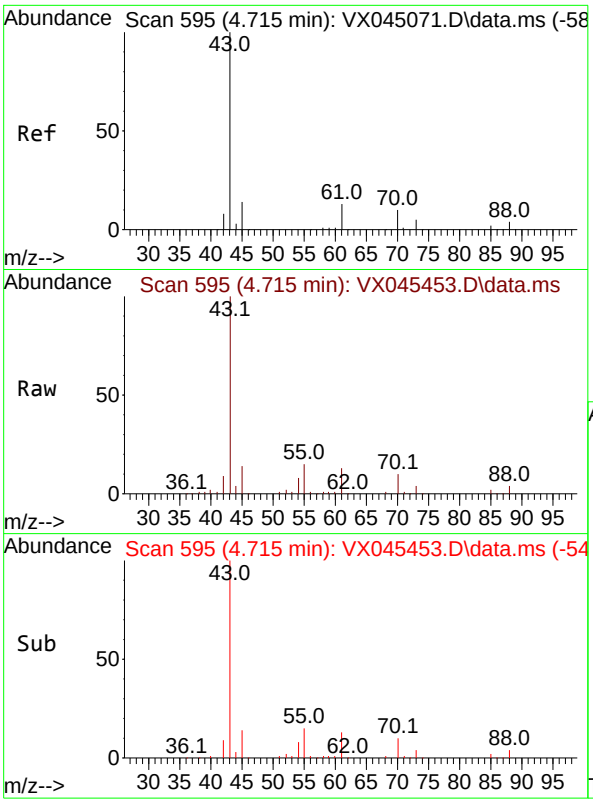


#36
1,1-Dichloropropene
Concen: 52.811 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX045453.D
Acq: 25 Mar 2025 20:14

Tgt Ion: 75 Resp: 66602

Ion	Ratio	Lower	Upper
75	100		
110	33.2	16.9	50.6
77	31.2	24.5	36.7



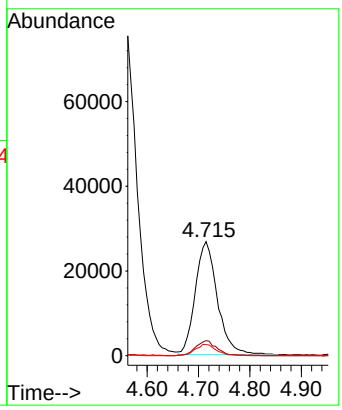


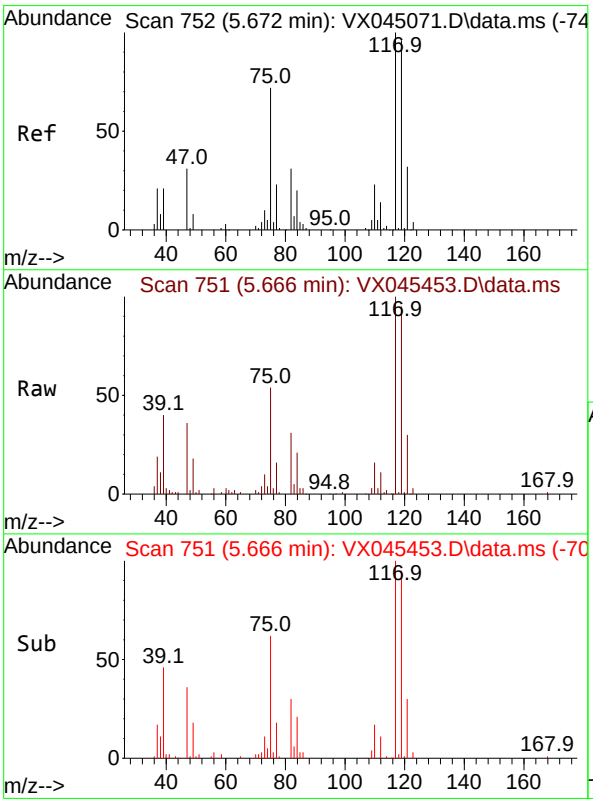
#37
Ethyl Acetate
Concen: 49.380 ug/l
RT: 4.715 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX045453.D
Acq: 25 Mar 2025 20:14

Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MS

Tgt Ion: 43 Resp: 80246

Ion	Ratio	Lower	Upper
43	100		
61	12.8	10.8	16.2
70	9.5	7.7	11.5

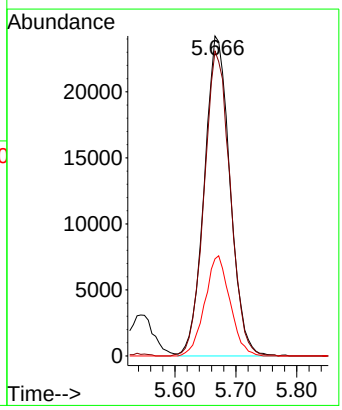


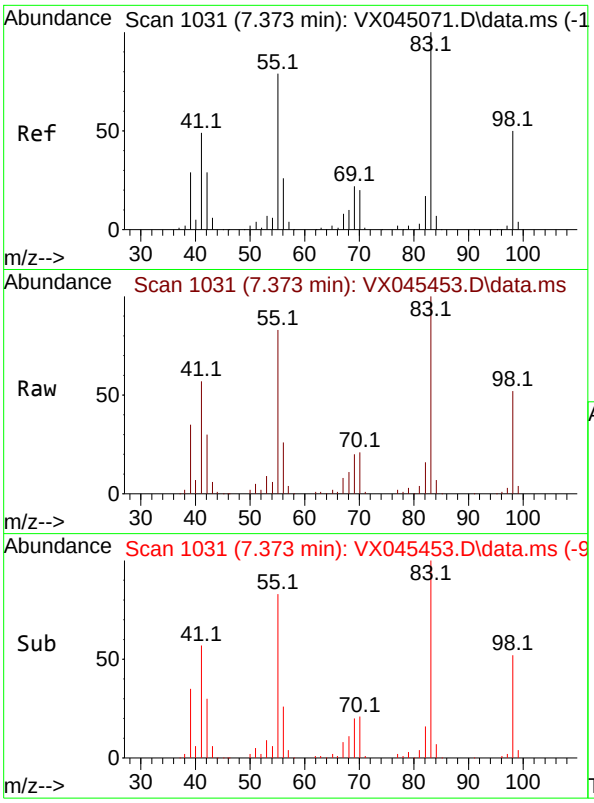


#38
Carbon Tetrachloride
Concen: 55.555 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX045453.D
Acq: 25 Mar 2025 20:14

Tgt Ion:117 Resp: 71130

Ion	Ratio	Lower	Upper
117	100		
119	95.2	76.7	115.1
121	30.4	25.5	38.3



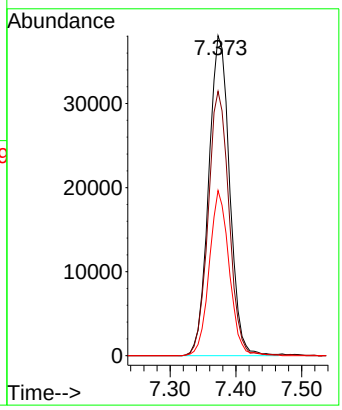


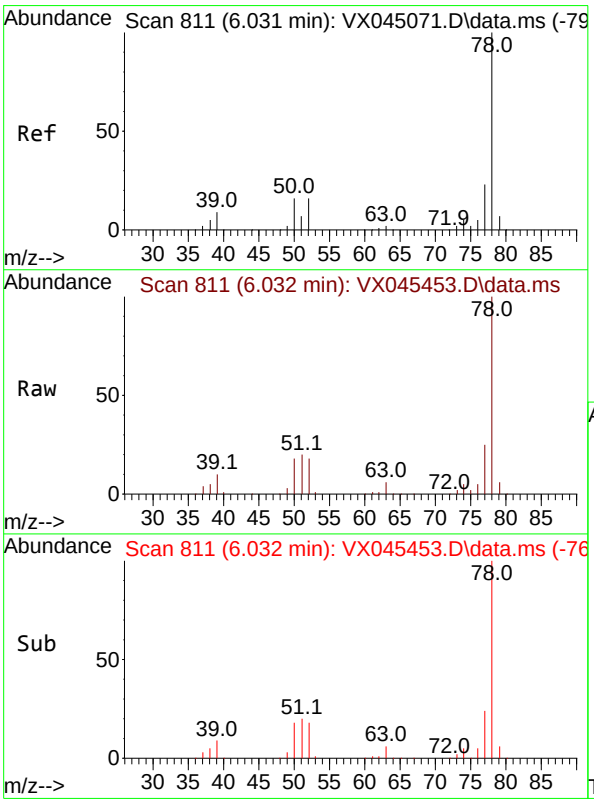
#39
Methylcyclohexane
Concen: 55.840 ug/l
RT: 7.373 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045453.D
Acq: 25 Mar 2025 20:14

Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MS

Tgt Ion: 83 Resp: 84382

Ion	Ratio	Lower	Upper
83	100		
55	82.6	63.0	94.4
98	51.6	39.7	59.5

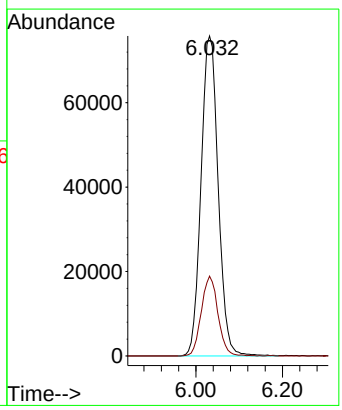


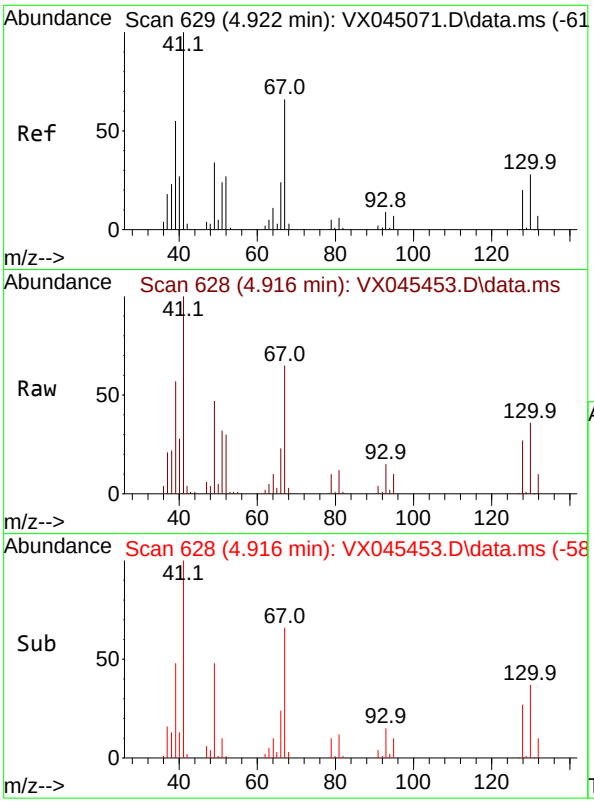


#40
Benzene
Concen: 52.266 ug/l
RT: 6.032 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX045453.D
Acq: 25 Mar 2025 20:14

Tgt Ion: 78 Resp: 208143

Ion	Ratio	Lower	Upper
78	100		
77	25.0	18.8	28.2



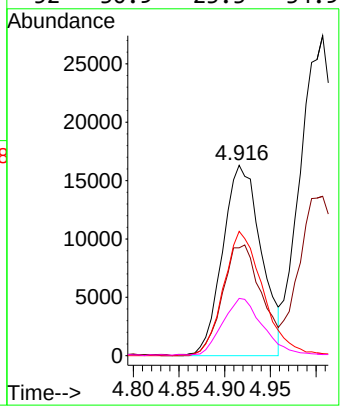


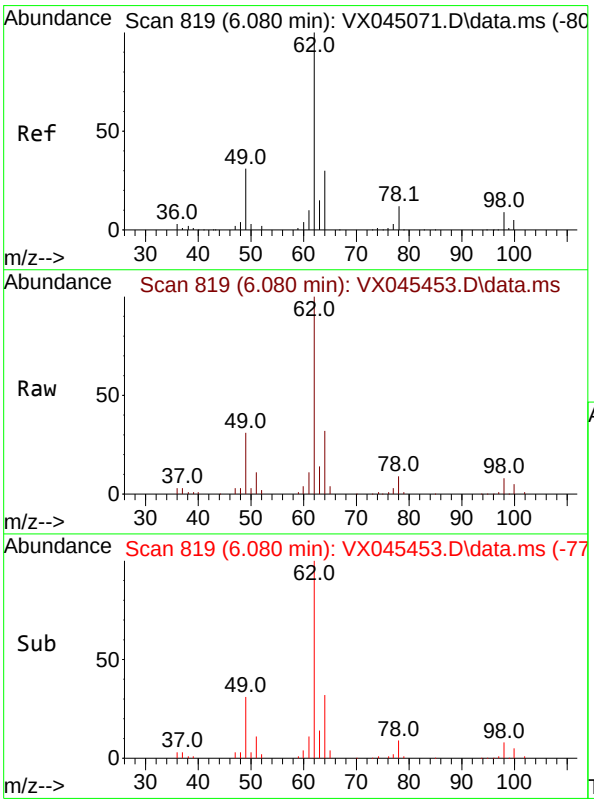
#41
Methacrylonitrile
Concen: 54.658 ug/l
RT: 4.916 min Scan# 6
Delta R.T. -0.006 min
Lab File: VX045453.D
Acq: 25 Mar 2025 20:14

Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MS

Tgt Ion: 41 Resp: 48028

Ion	Ratio	Lower	Upper
41	100		
39	59.0	44.6	67.0
67	67.3	53.9	80.9
52	30.9	23.3	34.9

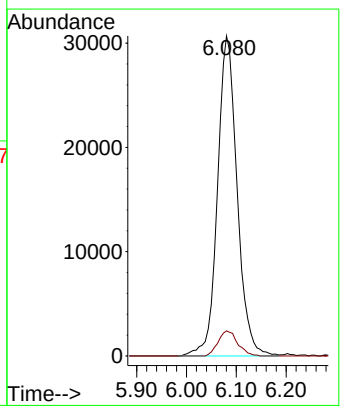


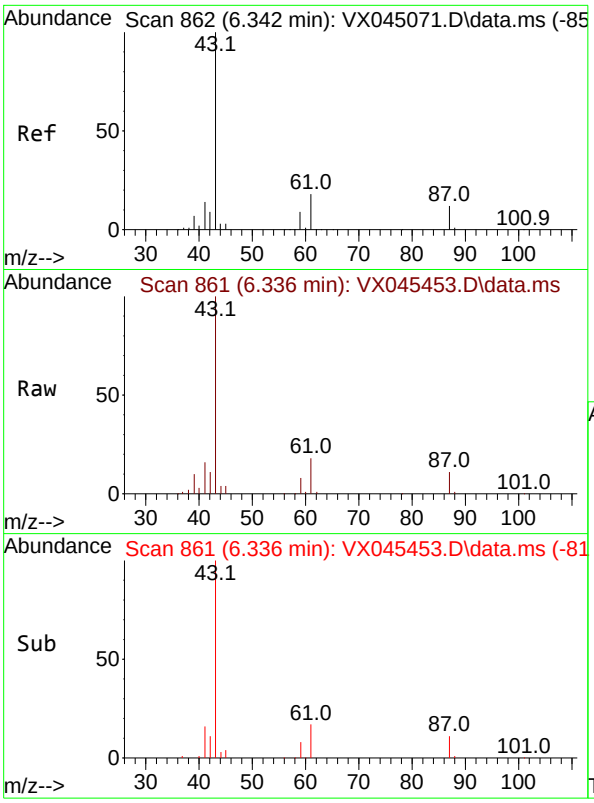


#42
1,2-Dichloroethane
Concen: 58.431 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.000 min
Lab File: VX045453.D
Acq: 25 Mar 2025 20:14

Tgt Ion: 62 Resp: 83793

Ion	Ratio	Lower	Upper
62	100		
98	7.8	0.0	18.2



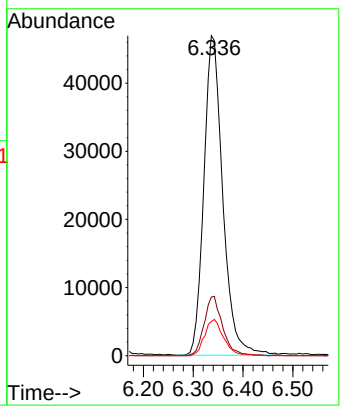


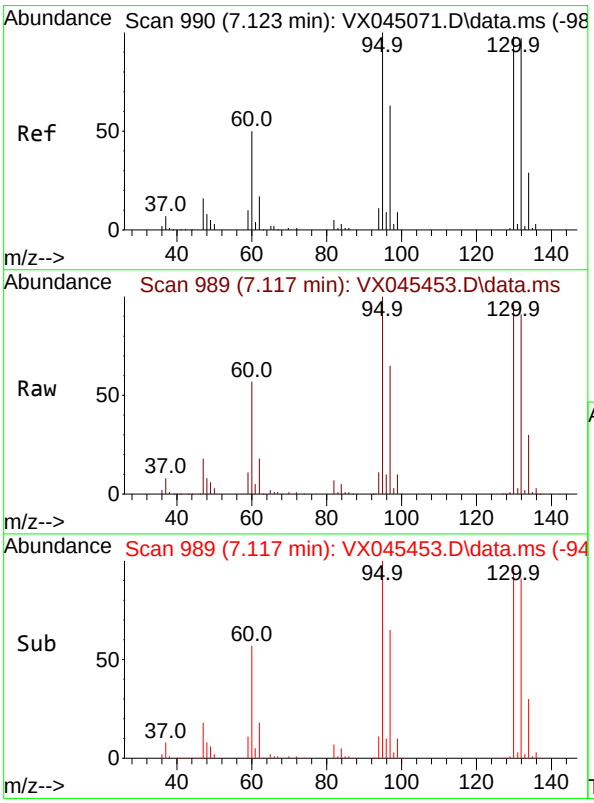
#43
Isopropyl Acetate
Concen: 51.396 ug/l
RT: 6.336 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX045453.D
Acq: 25 Mar 2025 20:14

Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MS

Tgt Ion: 43 Resp: 123504

Ion	Ratio	Lower	Upper
43	100		
61	18.0	14.9	22.3
87	11.4	9.4	14.2

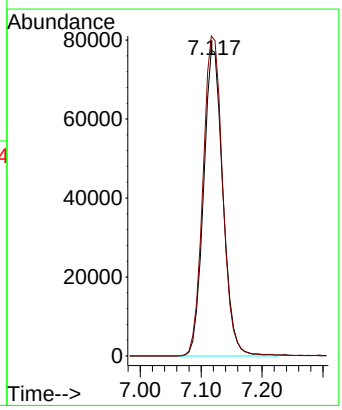


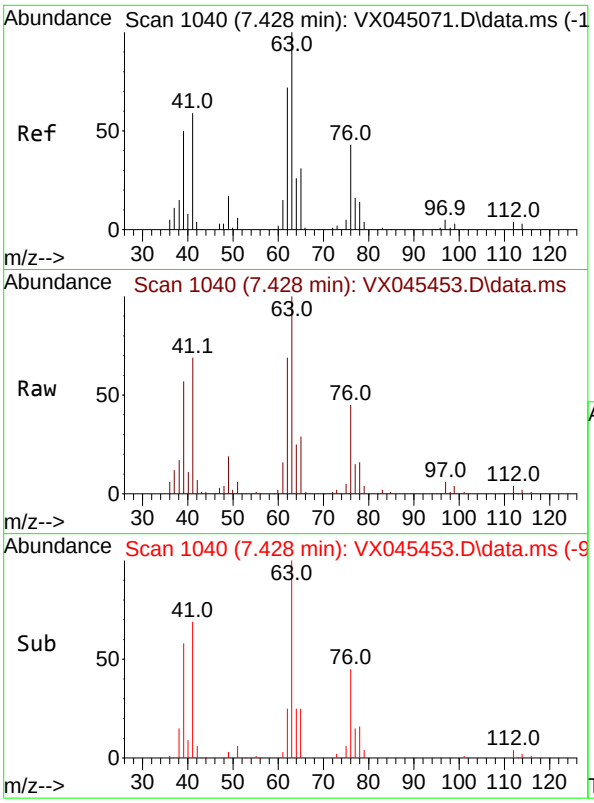


#44
Trichloroethene
Concen: 183.571 ug/l
RT: 7.117 min Scan# 989
Delta R.T. -0.006 min
Lab File: VX045453.D
Acq: 25 Mar 2025 20:14

Tgt Ion:130 Resp: 171657

Ion	Ratio	Lower	Upper
130	100		
95	104.7	0.0	205.0



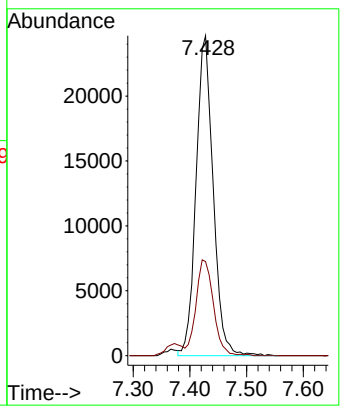


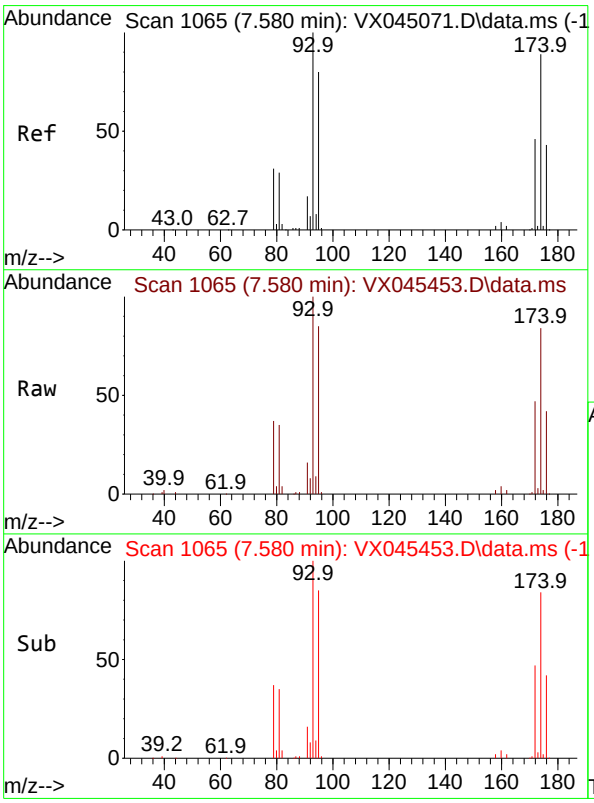
#45
1,2-Dichloropropane
Concen: 50.352 ug/l
RT: 7.428 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045453.D
Acq: 25 Mar 2025 20:14

Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MS

Tgt Ion: 63 Resp: 51556

Ion	Ratio	Lower	Upper
63	100		
65	29.4	24.7	37.1

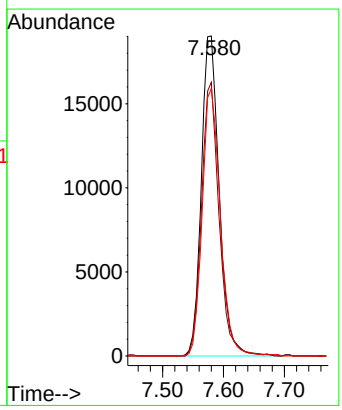


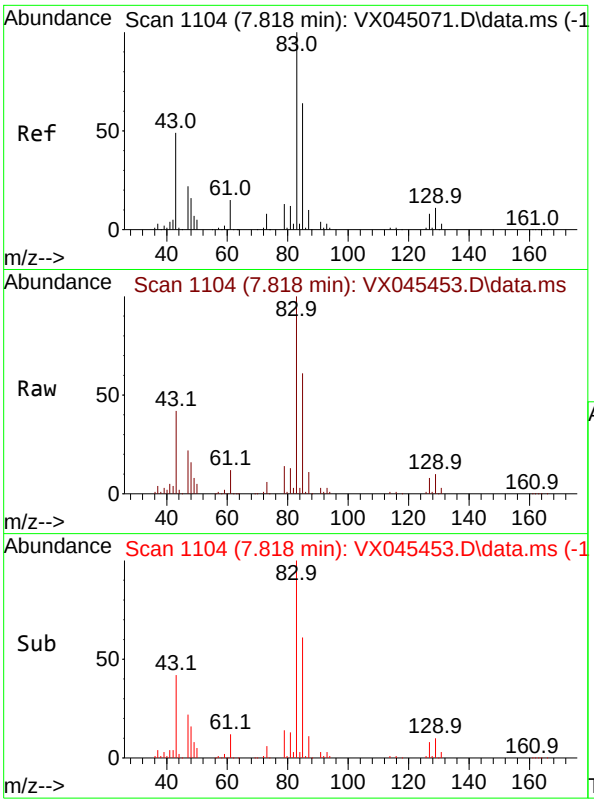


#46
Dibromomethane
Concen: 53.727 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. 0.000 min
Lab File: VX045453.D
Acq: 25 Mar 2025 20:14

Tgt Ion: 93 Resp: 38883

Ion	Ratio	Lower	Upper
93	100		
95	83.9	65.8	98.8
174	84.8	72.2	108.2



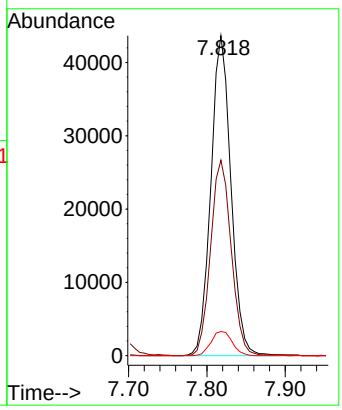


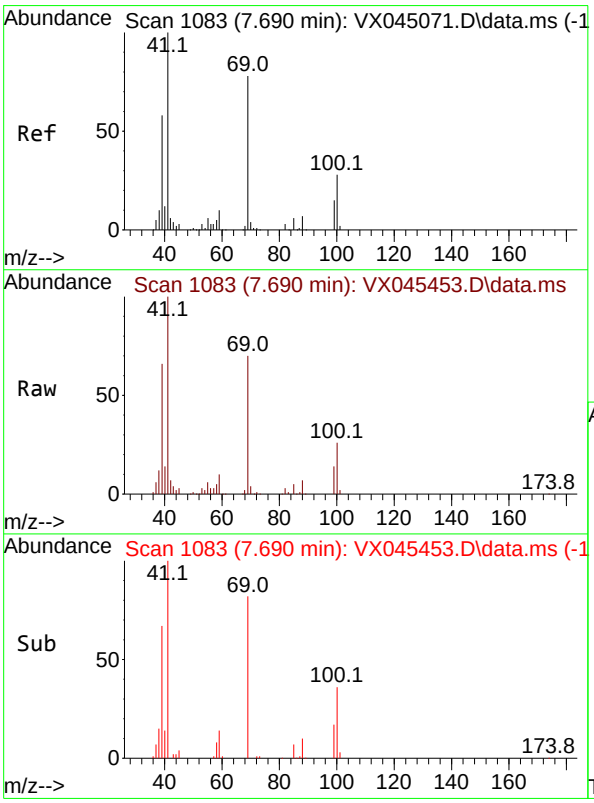
#47
Bromodichloromethane
Concen: 54.707 ug/l
RT: 7.818 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX045453.D
Acq: 25 Mar 2025 20:14

Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MS

Tgt Ion: 83 Resp: 77659

Ion	Ratio	Lower	Upper
83	100		
85	61.1	51.1	76.7
127	7.6	6.4	9.6

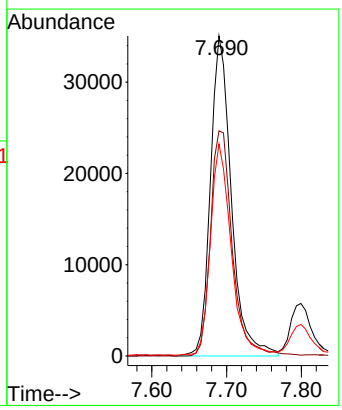


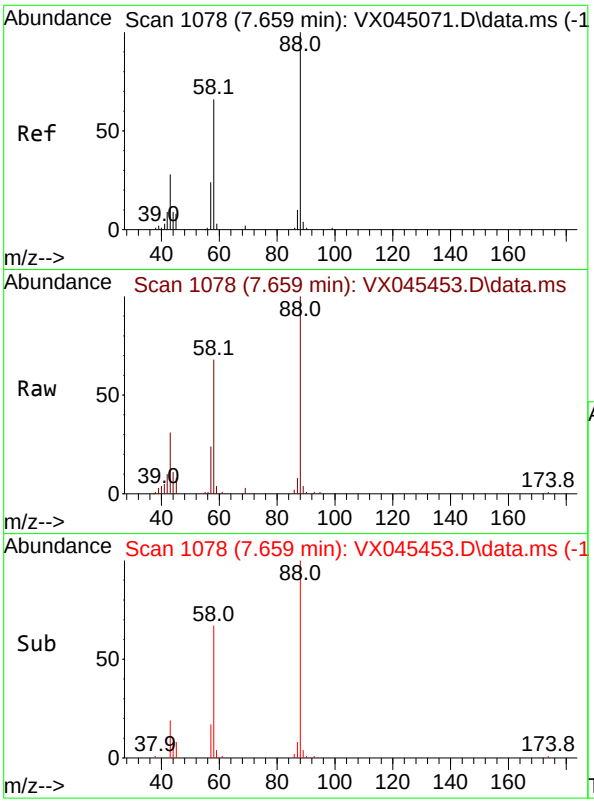


#48
Methyl methacrylate
Concen: 56.583 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.000 min
Lab File: VX045453.D
Acq: 25 Mar 2025 20:14

Tgt Ion: 41 Resp: 68214

Ion	Ratio	Lower	Upper
41	100		
69	73.5	63.0	94.6
39	65.6	47.5	71.3



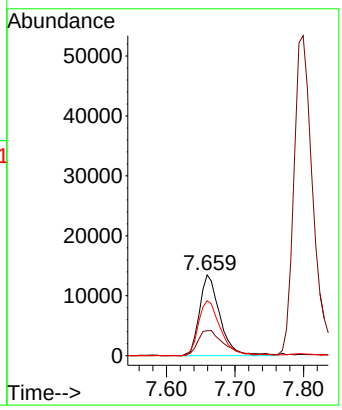


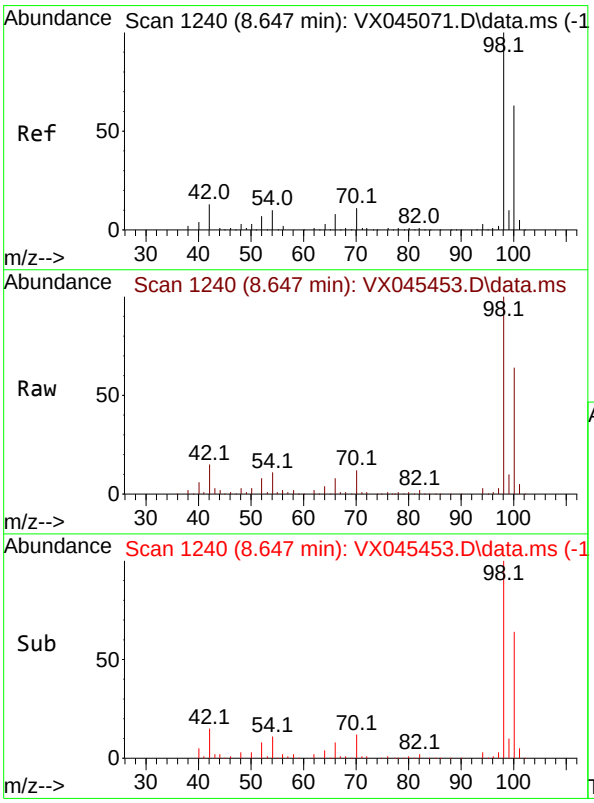
#49
1,4-Dioxane
Concen: 1102.003 ug/l
RT: 7.659 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045453.D
Acq: 25 Mar 2025 20:14

Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MS

Tgt Ion: 88 Resp: 28024

Ion	Ratio	Lower	Upper
88	100		
43	39.3	28.7	43.1
58	72.2	55.8	83.8

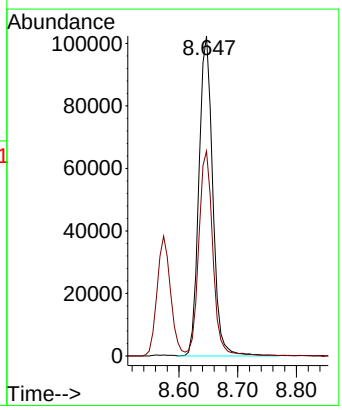


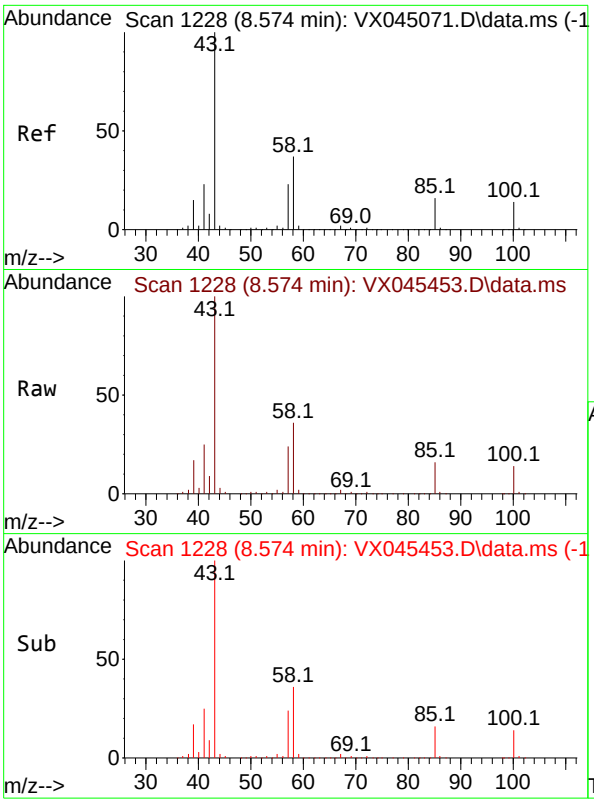


#50
Toluene-d8
Concen: 50.072 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX045453.D
Acq: 25 Mar 2025 20:14

Tgt Ion: 98 Resp: 166935

Ion	Ratio	Lower	Upper
98	100		
100	64.9	52.0	78.0



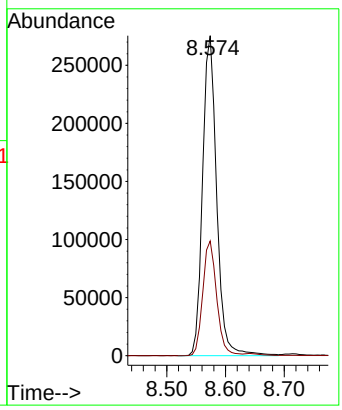


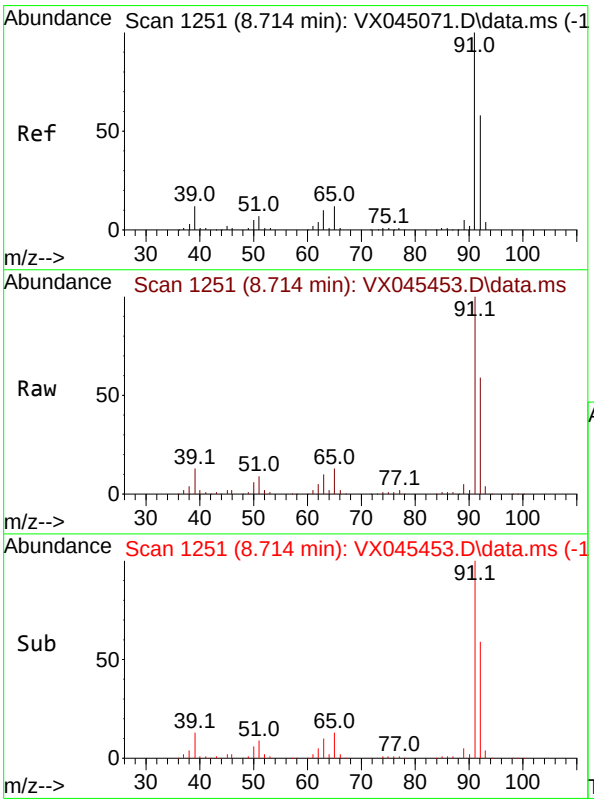
#51
4-Methyl-2-Pentanone
Concen: 284.768 ug/l
RT: 8.574 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045453.D
Acq: 25 Mar 2025 20:14

Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MS

Tgt Ion: 43 Resp: 459467

Ion	Ratio	Lower	Upper
43	100		
58	35.4	29.2	43.8

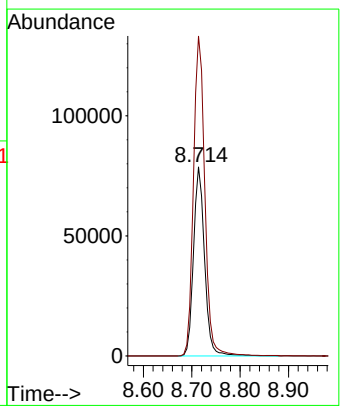


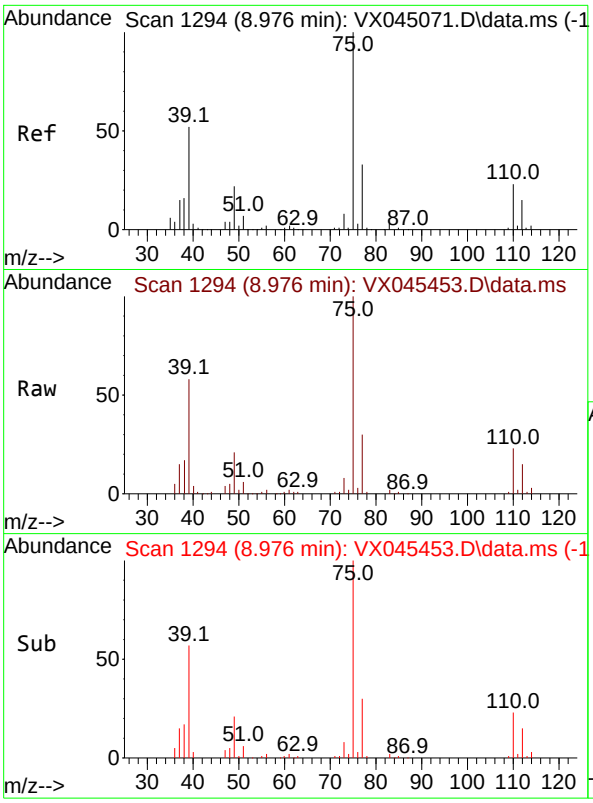


#52
Toluene
Concen: 53.425 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX045453.D
Acq: 25 Mar 2025 20:14

Tgt Ion: 92 Resp: 124829

Ion	Ratio	Lower	Upper
92	100		
91	173.7	138.9	208.3



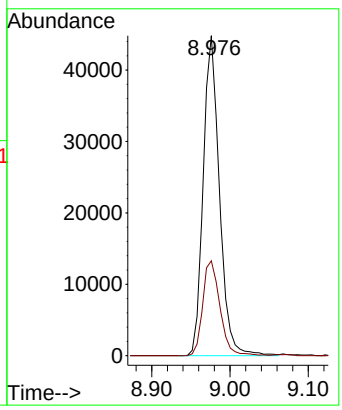


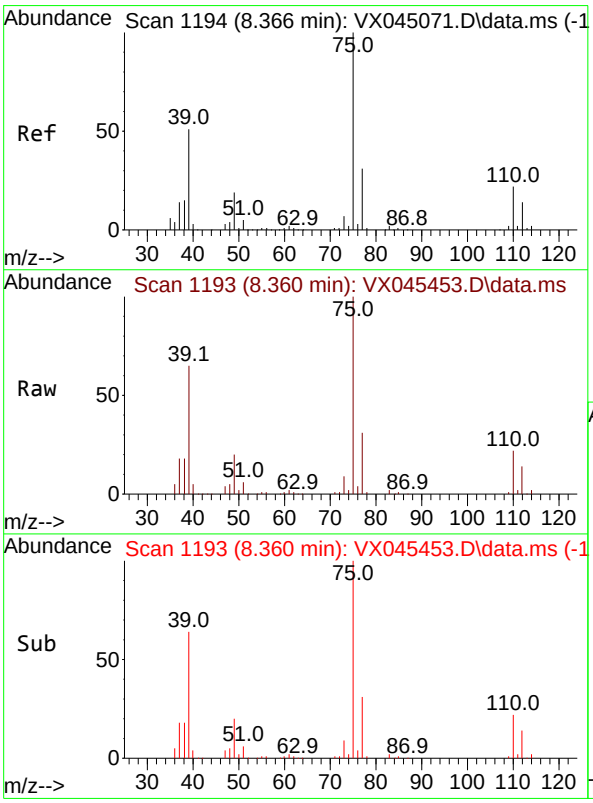
#53
t-1,3-Dichloropropene
Concen: 54.408 ug/l
RT: 8.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045453.D
Acq: 25 Mar 2025 20:14

Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MS

Tgt Ion: 75 Resp: 64569

Ion	Ratio	Lower	Upper
75	100		
77	29.7	26.5	39.7

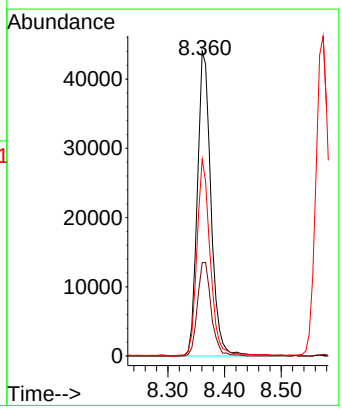


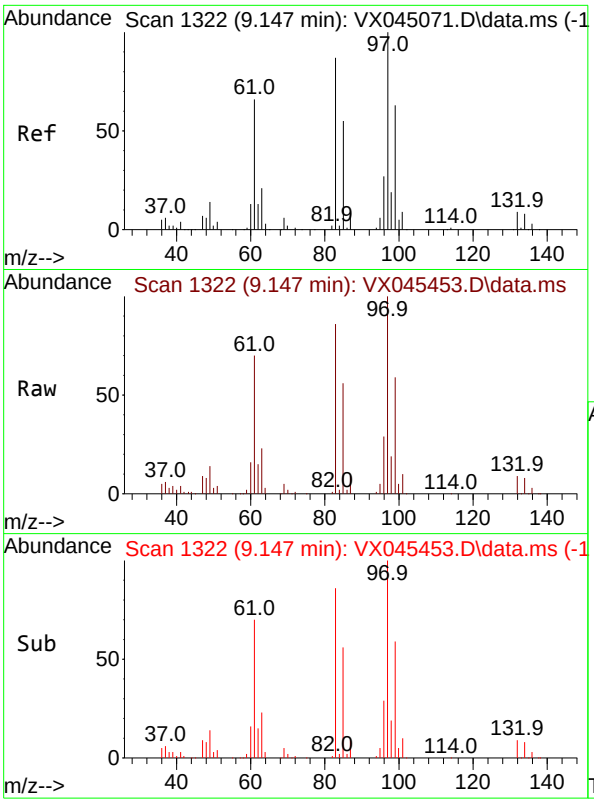


#54
cis-1,3-Dichloropropene
Concen: 53.063 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. -0.006 min
Lab File: VX045453.D
Acq: 25 Mar 2025 20:14

Tgt Ion: 75 Resp: 73432

Ion	Ratio	Lower	Upper
75	100		
77	30.6	24.7	37.1
39	64.4	40.7	61.1#



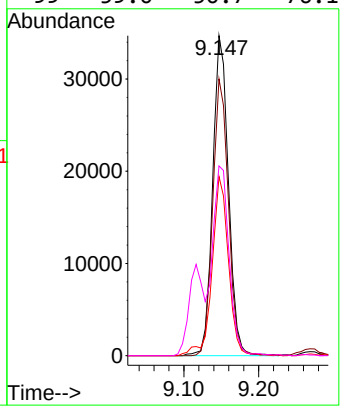


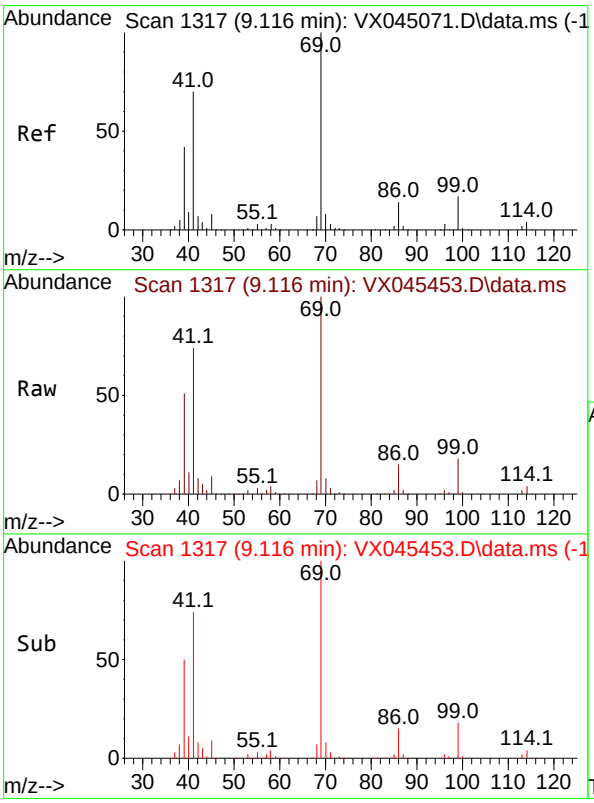
#55
1,1,2-Trichloroethane
Concen: 52.881 ug/l
RT: 9.147 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045453.D
Acq: 25 Mar 2025 20:14

Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MS

Tgt Ion: 97 Resp: 50866

Ion	Ratio	Lower	Upper
97	100		
83	86.5	69.4	104.2
85	56.0	44.1	66.1
99	59.0	50.7	76.1

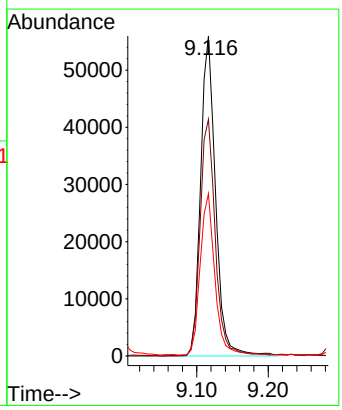


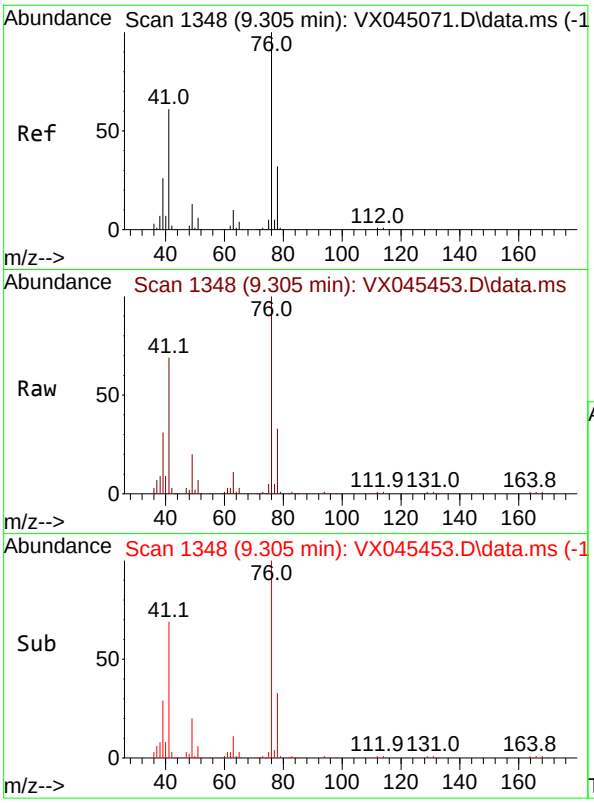


#56
Ethyl methacrylate
Concen: 55.542 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX045453.D
Acq: 25 Mar 2025 20:14

Tgt Ion: 69 Resp: 81211

Ion	Ratio	Lower	Upper
69	100		
41	76.1	57.0	85.4
39	49.5	34.2	51.4



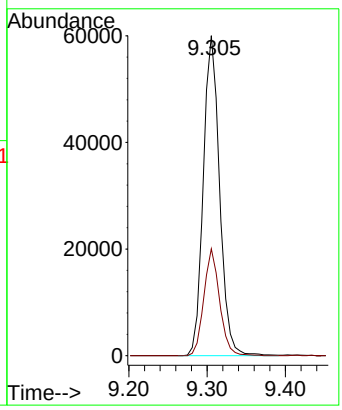


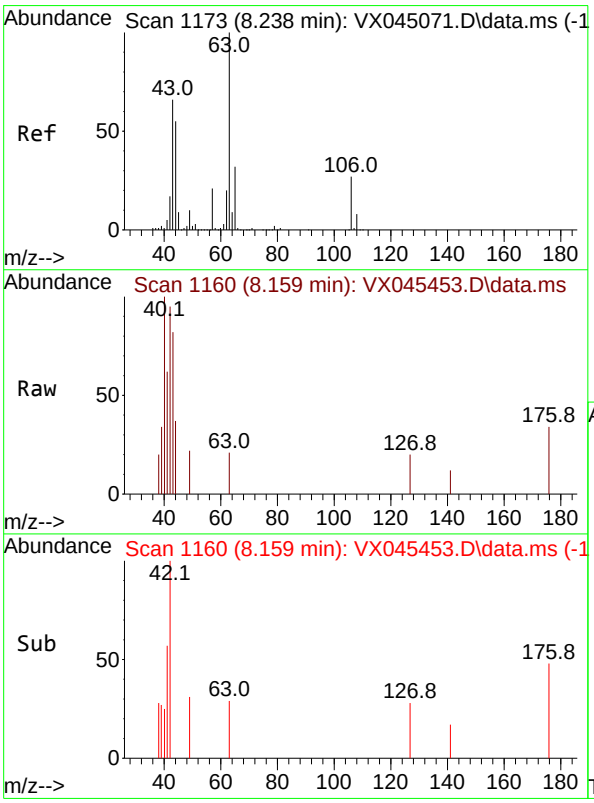
#57
1,3-Dichloropropane
Concen: 52.026 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045453.D
Acq: 25 Mar 2025 20:14

Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MS

Tgt Ion: 76 Resp: 86605

Ion	Ratio	Lower	Upper
76	100		
78	32.2	25.5	38.3

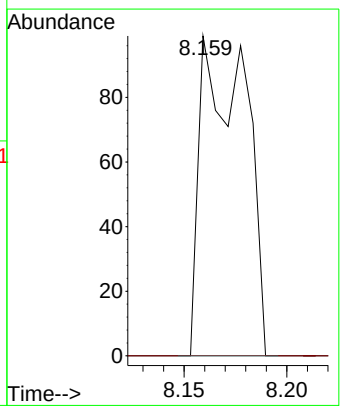


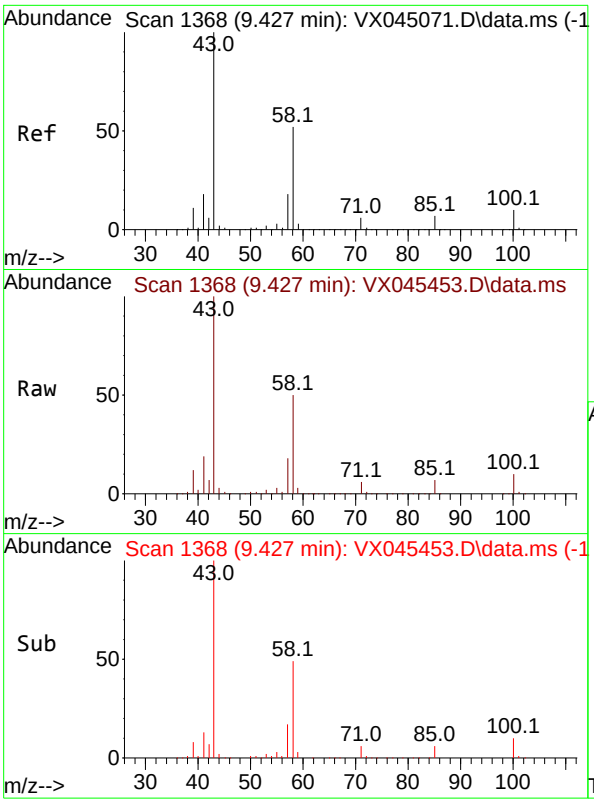


#58
2-Chloroethyl Vinyl ether
Concen: 0.212 ug/l
RT: 8.159 min Scan# 1160
Delta R.T. -0.079 min
Lab File: VX045453.D
Acq: 25 Mar 2025 20:14

Tgt Ion: 63 Resp: 151

Ion	Ratio	Lower	Upper
63	100		
106	0.0	21.5	32.3#



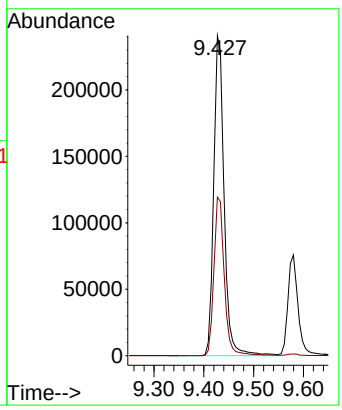


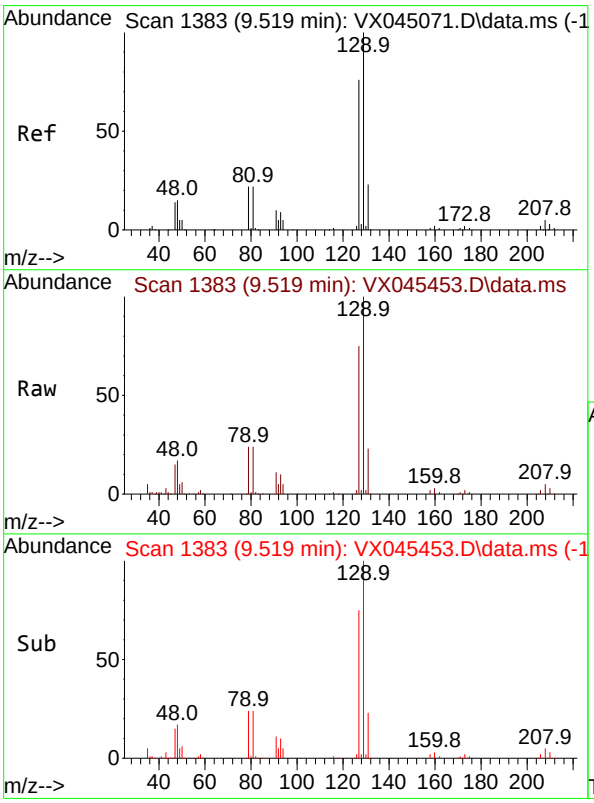
#59
2-Hexanone
Concen: 297.997 ug/l
RT: 9.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045453.D
Acq: 25 Mar 2025 20:14

Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MS

Tgt Ion: 43 Resp: 348369

Ion	Ratio	Lower	Upper
43	100		
58	49.7	25.9	77.6

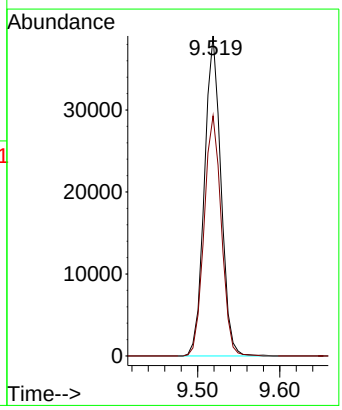


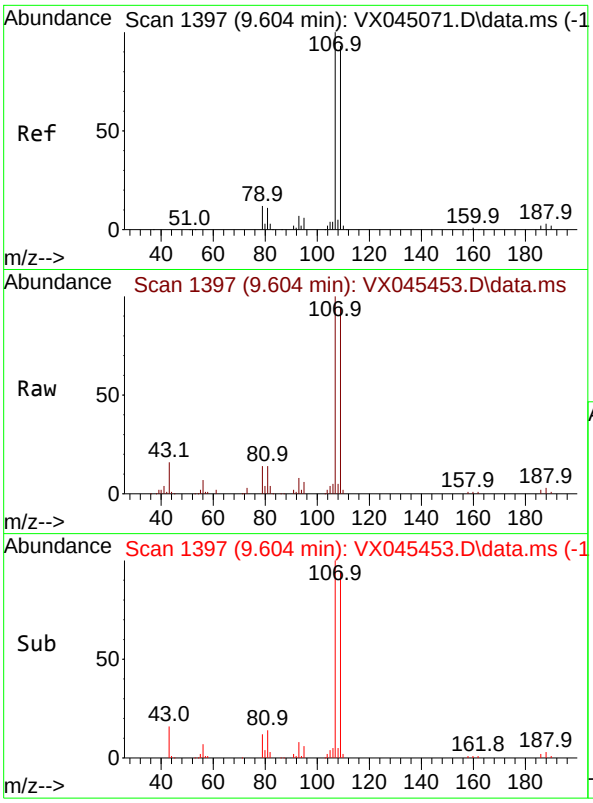


#60
Dibromochloromethane
Concen: 54.132 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX045453.D
Acq: 25 Mar 2025 20:14

Tgt Ion:129 Resp: 54443

Ion	Ratio	Lower	Upper
129	100		
127	78.0	38.5	115.5



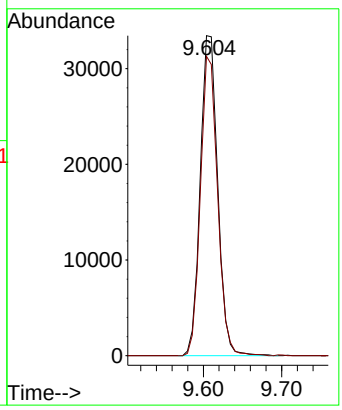


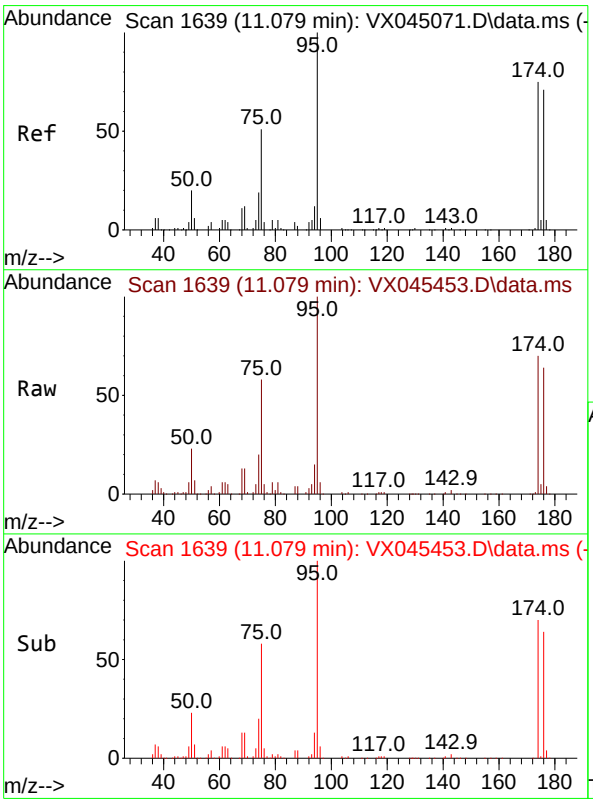
#61
1,2-Dibromoethane
Concen: 53.837 ug/l
RT: 9.604 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045453.D
Acq: 25 Mar 2025 20:14

Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MS

Tgt Ion:107 Resp: 51698

Ion	Ratio	Lower	Upper
107	100		
109	92.2	76.1	114.1

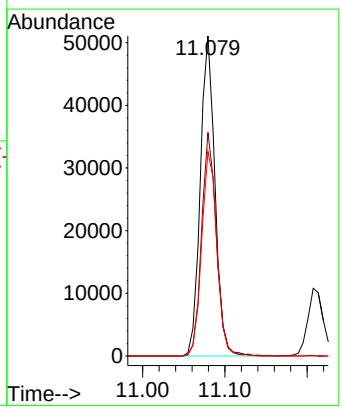


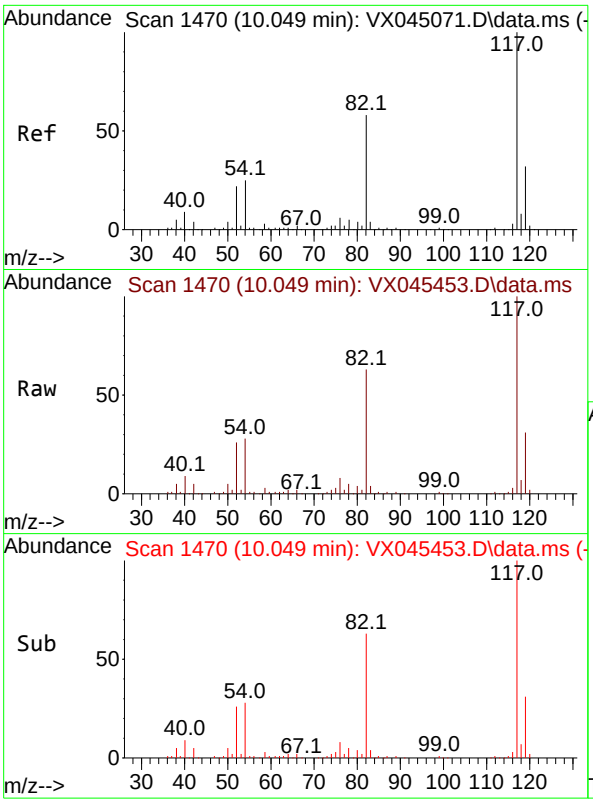


#62
4-Bromofluorobenzene
Concen: 57.430 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX045453.D
Acq: 25 Mar 2025 20:14

Tgt Ion: 95 Resp: 63445

Ion	Ratio	Lower	Upper
95	100		
174	70.0	0.0	148.2
176	65.7	0.0	141.4



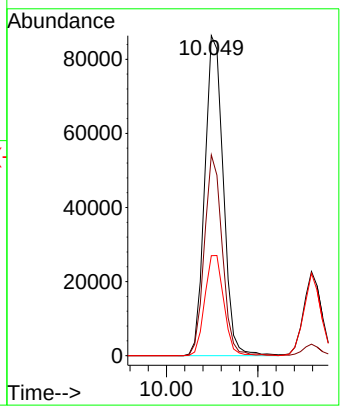


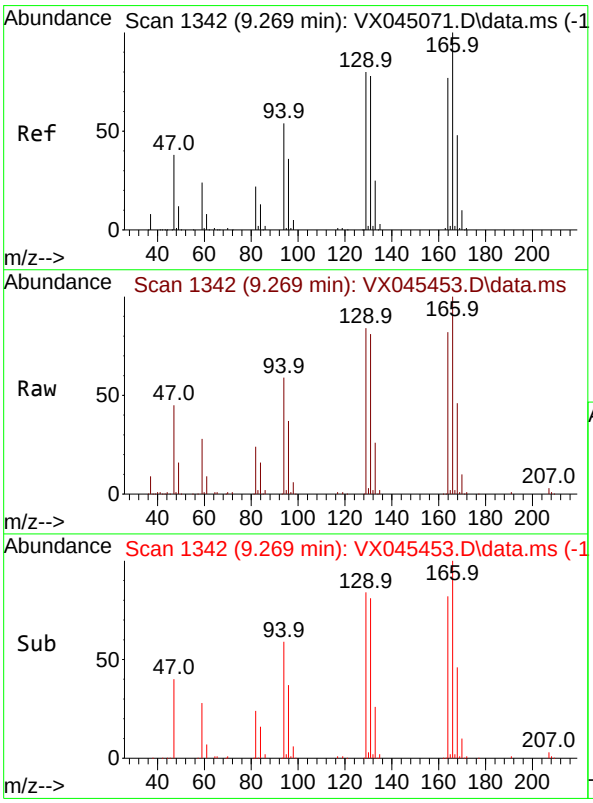
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045453.D
Acq: 25 Mar 2025 20:14

Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MS

Tgt Ion:117 Resp: 121362

Ion	Ratio	Lower	Upper
117	100		
82	62.8	46.3	69.5
119	31.2	25.7	38.5

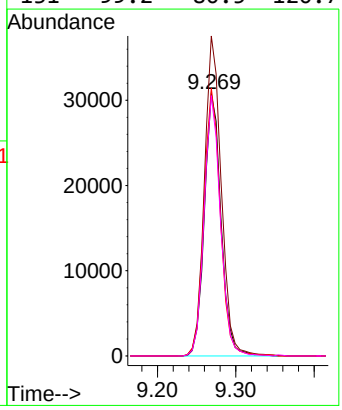


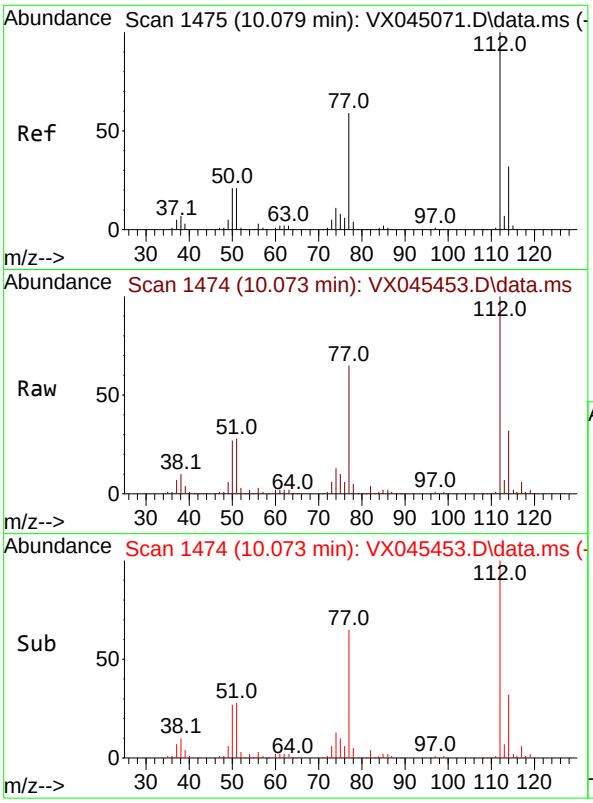


#64
Tetrachloroethene
Concen: 58.224 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX045453.D
Acq: 25 Mar 2025 20:14

Tgt Ion:164 Resp: 45256

Ion	Ratio	Lower	Upper
164	100		
166	121.9	103.6	155.4
129	102.1	82.7	124.1
131	99.2	80.5	120.7



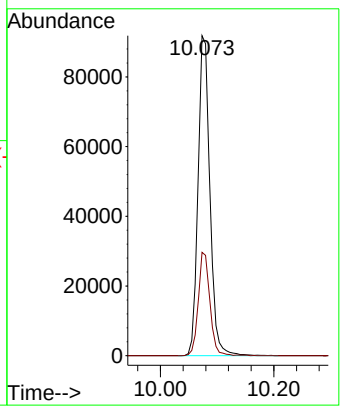


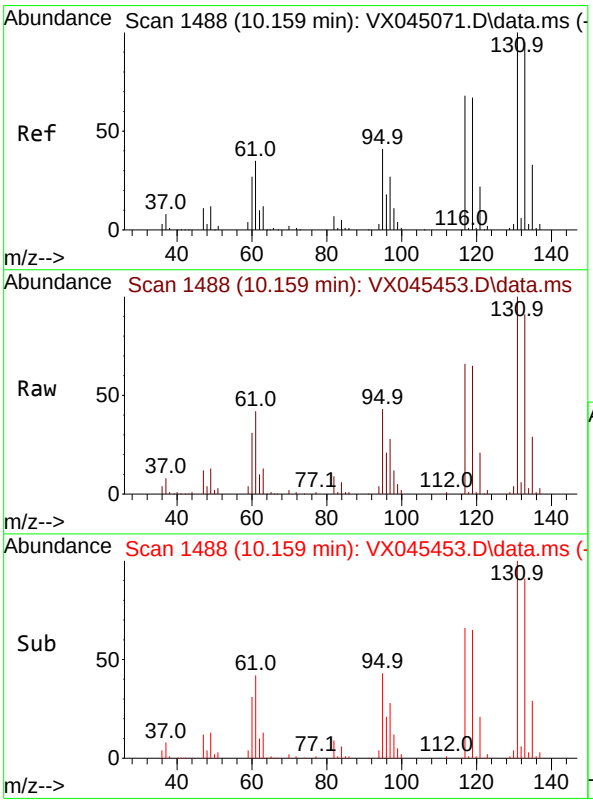
#65
Chlorobenzene
Concen: 51.820 ug/l
RT: 10.073 min Scan# 14
Delta R.T. -0.006 min
Lab File: VX045453.D
Acq: 25 Mar 2025 20:14

Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MS

Tgt Ion:112 Resp: 133074

Ion	Ratio	Lower	Upper
112	100		
114	32.3	26.0	39.0

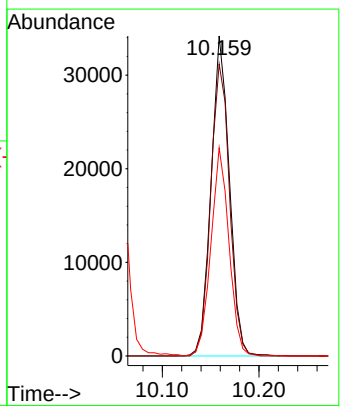


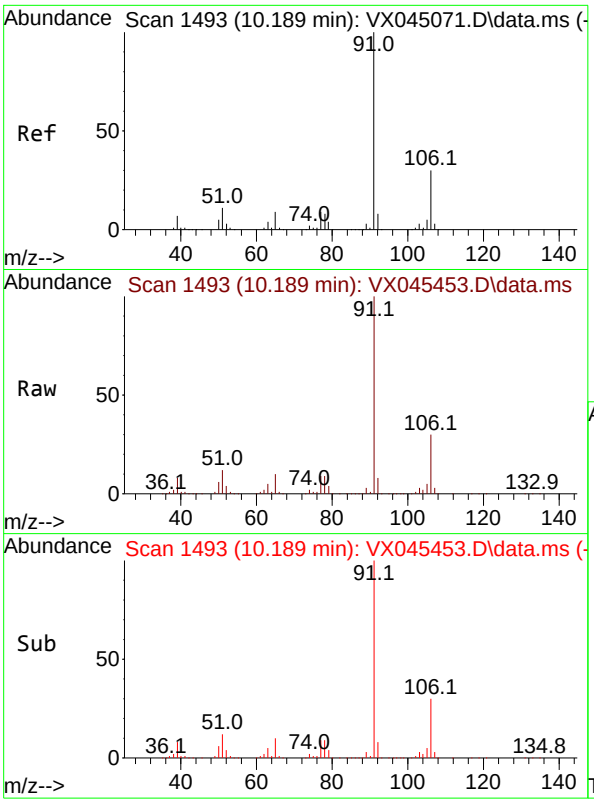


#66
1,1,1,2-Tetrachloroethane
Concen: 52.584 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX045453.D
Acq: 25 Mar 2025 20:14

Tgt Ion:131 Resp: 44970

Ion	Ratio	Lower	Upper
131	100		
133	94.3	48.6	145.9
119	64.1	33.9	101.7



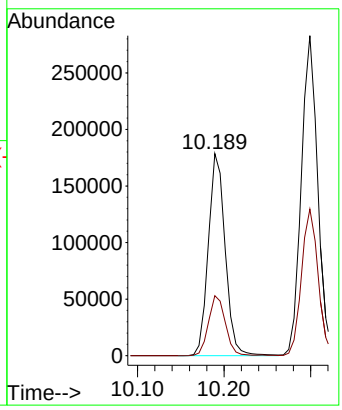


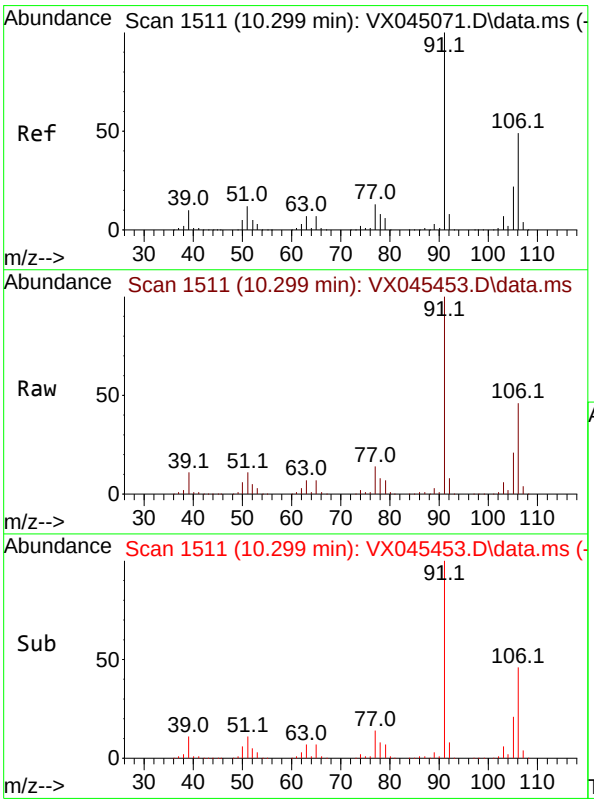
#67
Ethyl Benzene
Concen: 53.955 ug/l
RT: 10.189 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045453.D
Acq: 25 Mar 2025 20:14

Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MS

Tgt Ion: 91 Resp: 241425

Ion	Ratio	Lower	Upper
91	100		
106	29.7	23.9	35.9

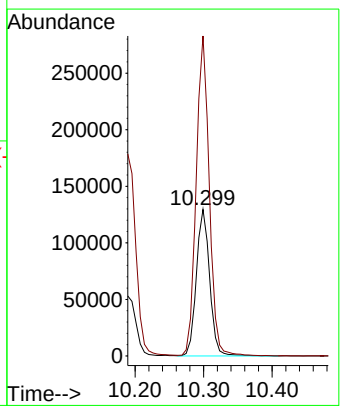


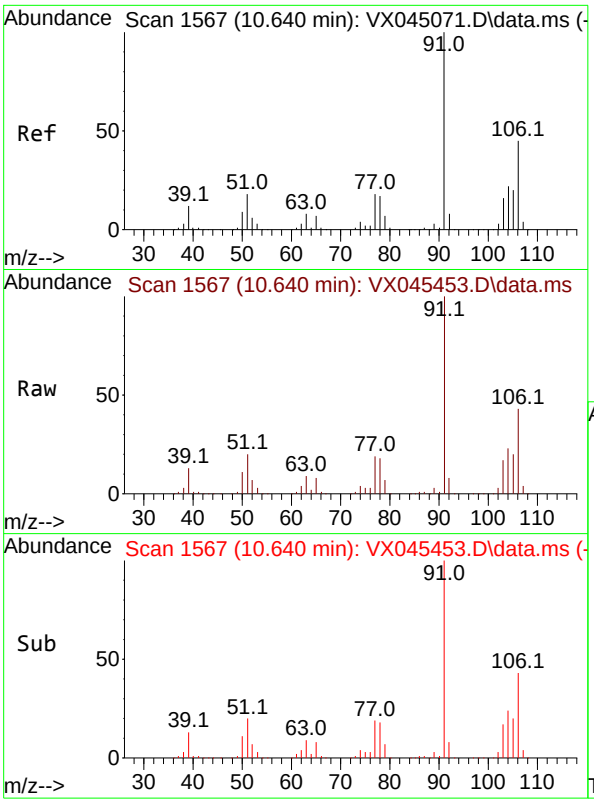


#68
m/p-Xylenes
Concen: 106.504 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX045453.D
Acq: 25 Mar 2025 20:14

Tgt Ion:106 Resp: 174457

Ion	Ratio	Lower	Upper
106	100		
91	215.7	165.4	248.0



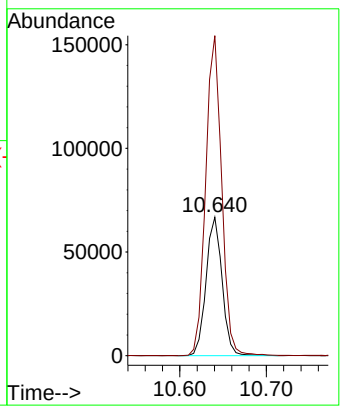


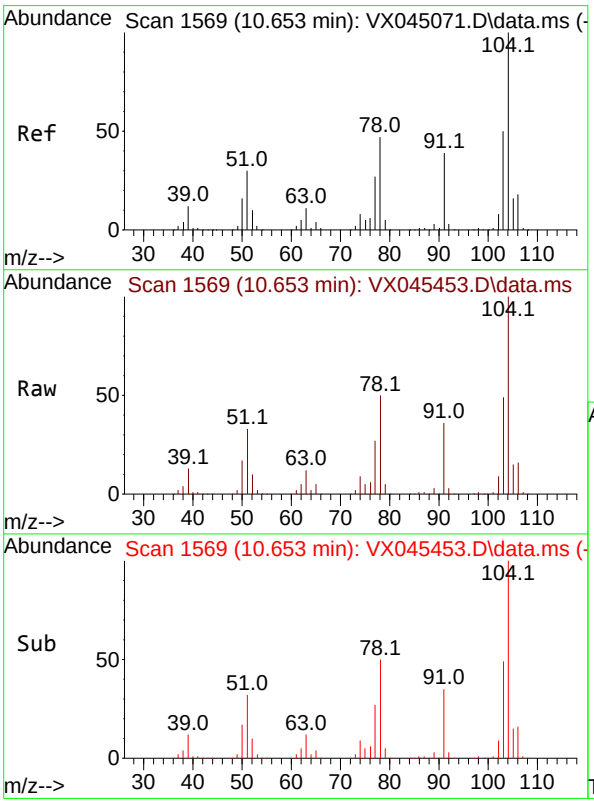
#69
o-Xylene
Concen: 51.970 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045453.D
Acq: 25 Mar 2025 20:14

Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MS

Tgt Ion:106 Resp: 85858

Ion	Ratio	Lower	Upper
106	100		
91	230.7	109.9	329.6

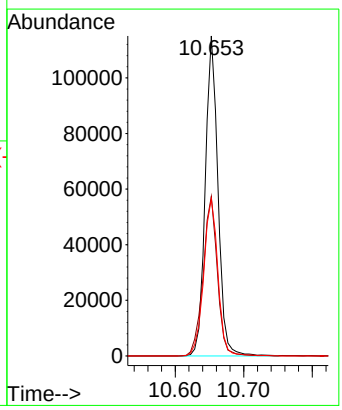


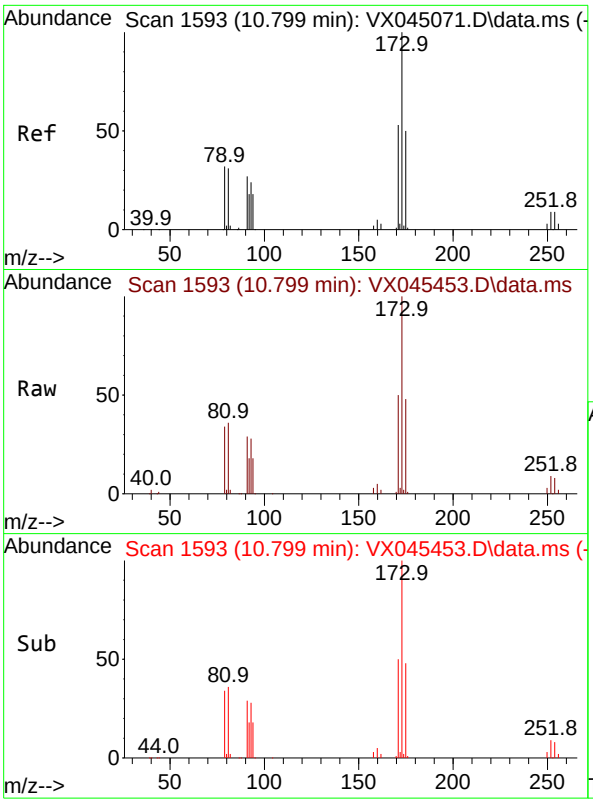


#70
Styrene
Concen: 55.720 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX045453.D
Acq: 25 Mar 2025 20:14

Tgt Ion:104 Resp: 148946

Ion	Ratio	Lower	Upper
104	100		
78	56.1	42.2	63.4
103	55.0	43.8	65.8



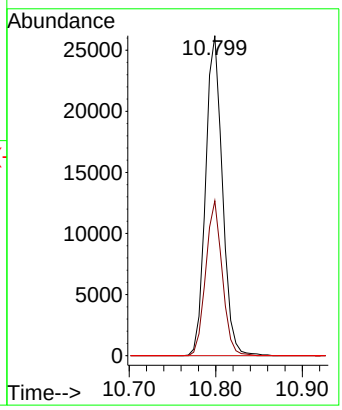


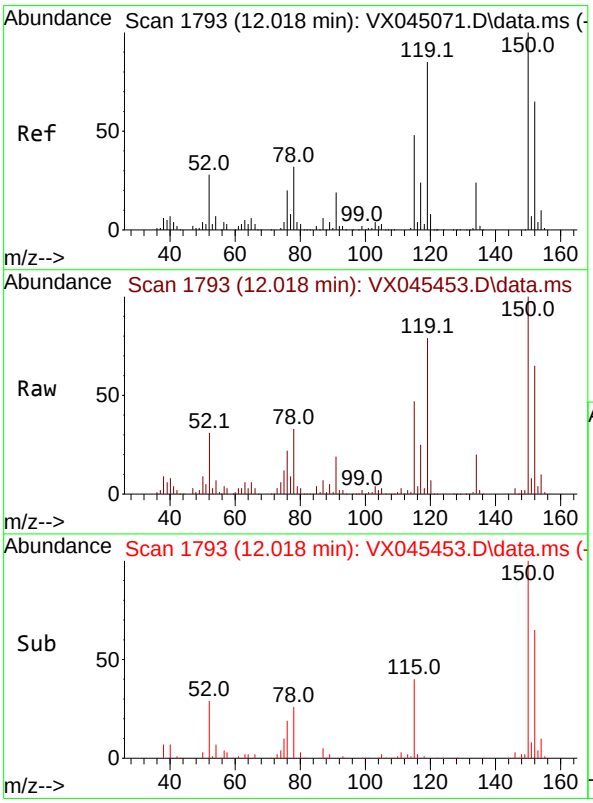
#71
Bromoform
Concen: 54.659 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045453.D
Acq: 25 Mar 2025 20:14

Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MS

Tgt Ion:173 Resp: 35249

Ion	Ratio	Lower	Upper
173	100		
175	47.5	24.6	73.6
254	0.0	0.0	0.0

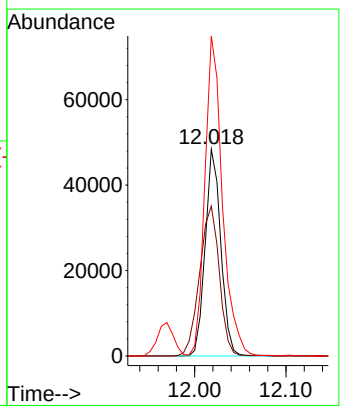


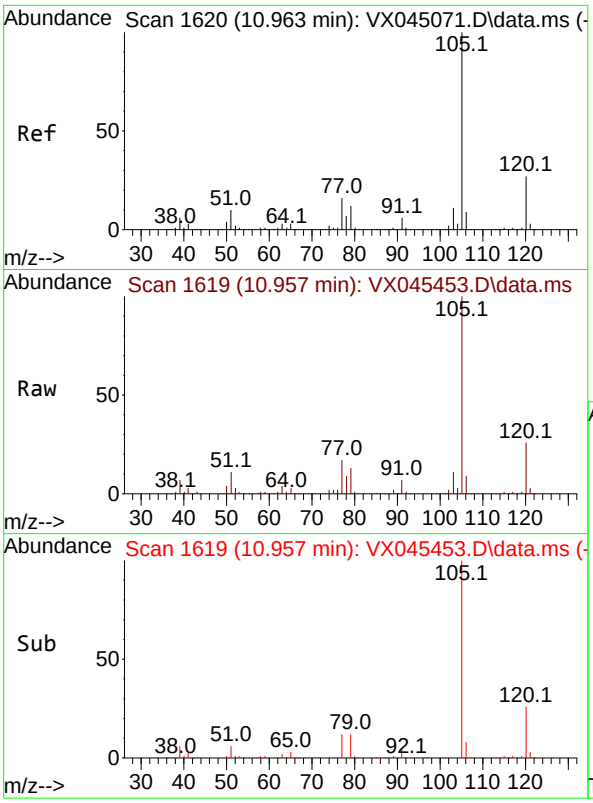


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX045453.D
Acq: 25 Mar 2025 20:14

Tgt Ion:152 Resp: 57274

Ion	Ratio	Lower	Upper
152	100		
115	91.7	44.2	132.6
150	173.4	0.0	349.0



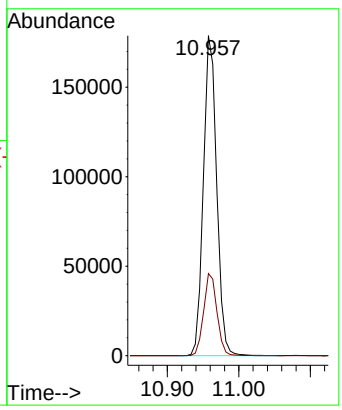


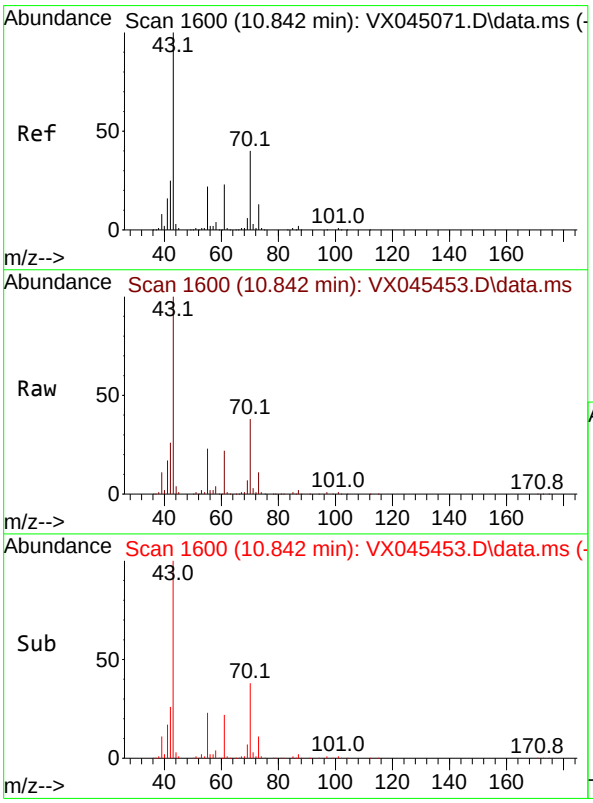
#73
Isopropylbenzene
Concen: 51.672 ug/l
RT: 10.957 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045453.D
Acq: 25 Mar 2025 20:14

Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MS

Tgt Ion:105 Resp: 230995

Ion	Ratio	Lower	Upper
105	100		
120	25.7	13.2	39.5

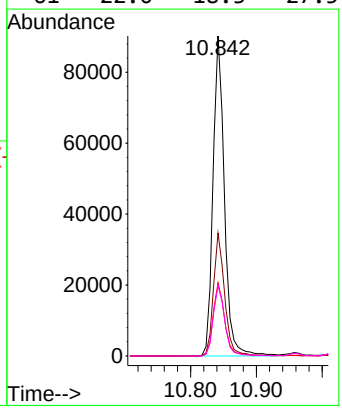


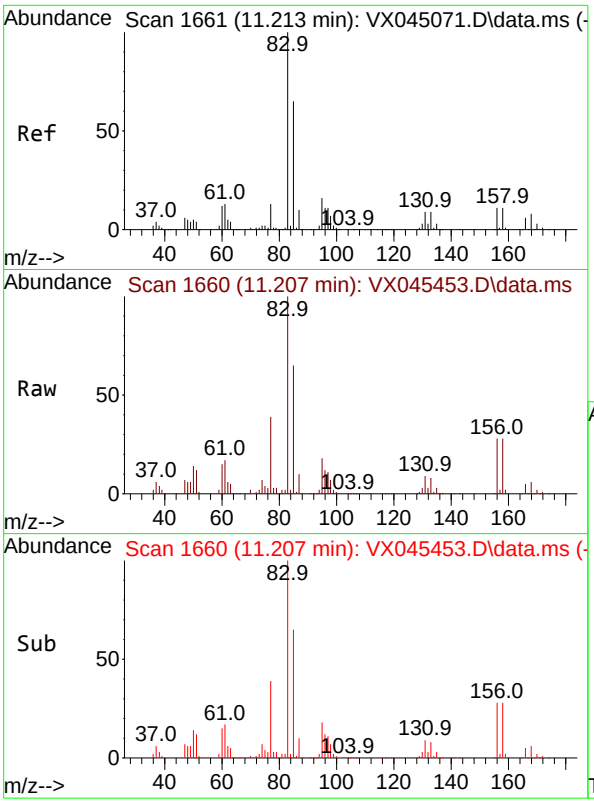


#74
N-amyl acetate
Concen: 51.944 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX045453.D
Acq: 25 Mar 2025 20:14

Tgt Ion: 43 Resp: 108961

Ion	Ratio	Lower	Upper
43	100		
70	38.0	31.8	47.6
55	23.5	18.3	27.5
61	22.0	18.3	27.5



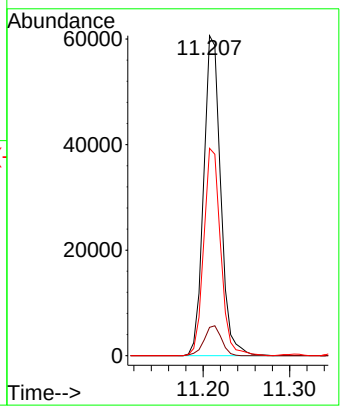


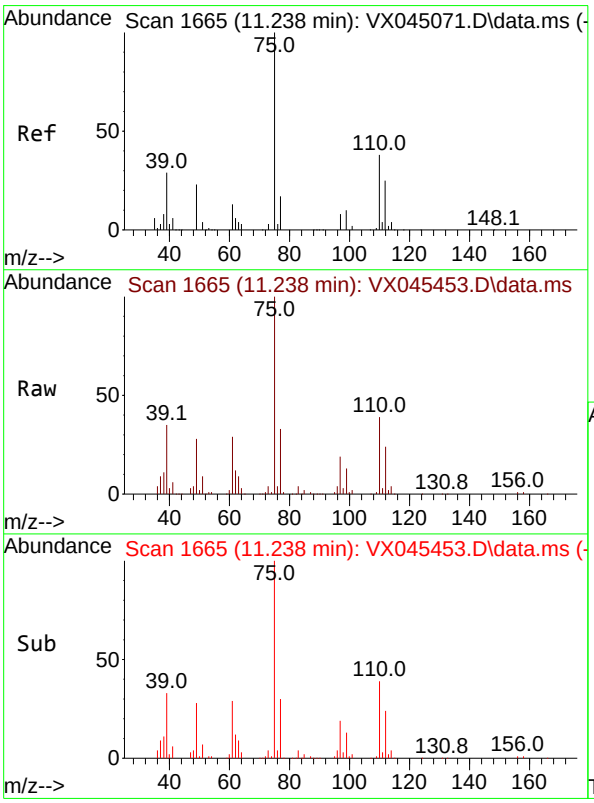
#75
1,1,2,2-Tetrachloroethane
Concen: 50.387 ug/l
RT: 11.207 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045453.D
Acq: 25 Mar 2025 20:14

Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MS

Tgt Ion: 83 Resp: 82659

Ion	Ratio	Lower	Upper
83	100		
131	9.6	4.5	13.4
85	64.4	31.7	95.1

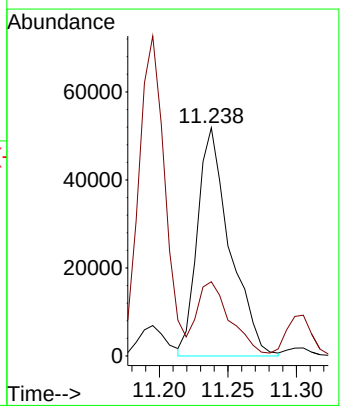


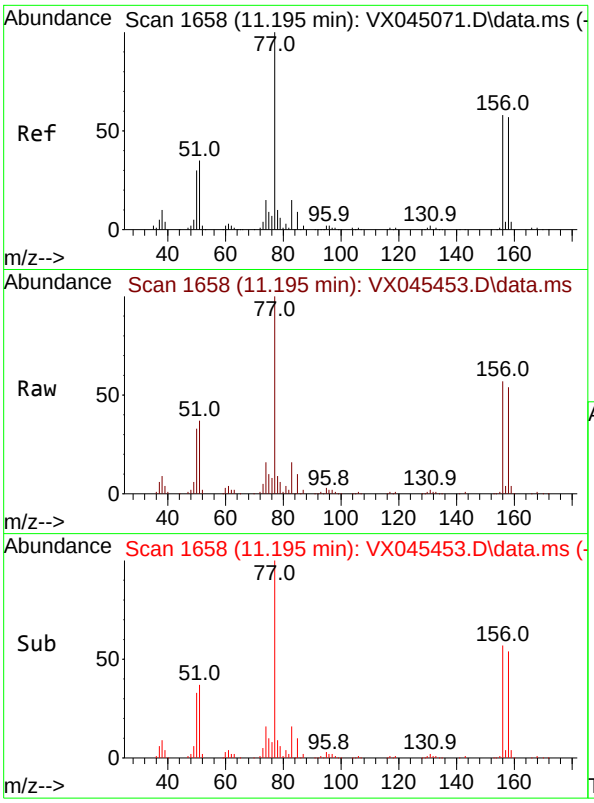


#76
1,2,3-Trichloropropane
Concen: 64.058 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX045453.D
Acq: 25 Mar 2025 20:14

Tgt Ion: 75 Resp: 85393

Ion	Ratio	Lower	Upper
75	100		
77	33.4	20.7	62.1



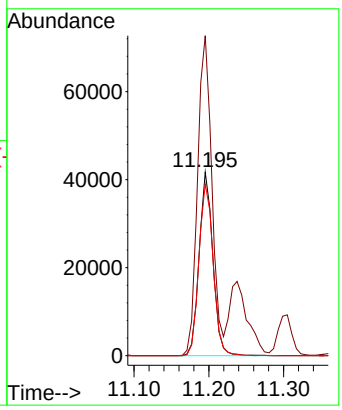


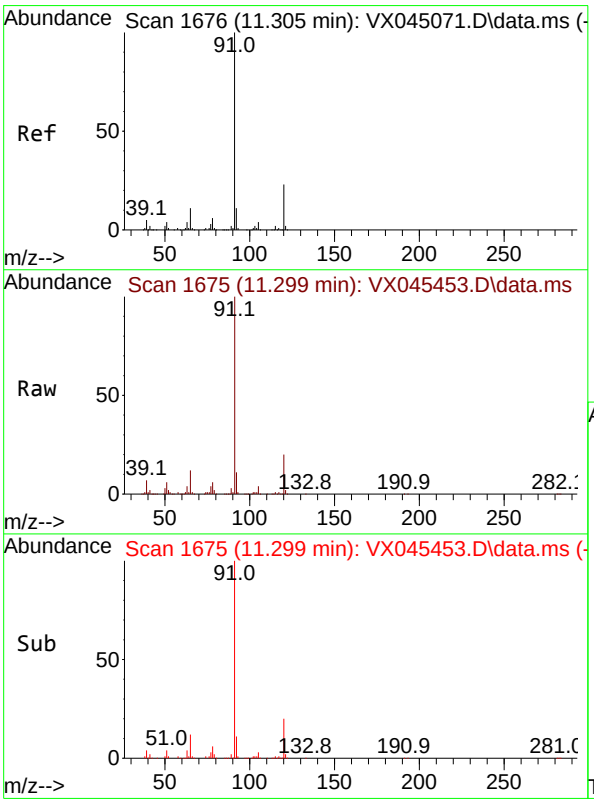
#77
Bromobenzene
Concen: 50.465 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045453.D
Acq: 25 Mar 2025 20:14

Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MS

Tgt Ion:156 Resp: 53228

Ion	Ratio	Lower	Upper
156	100		
77	181.3	85.8	257.4
158	97.1	48.4	145.2

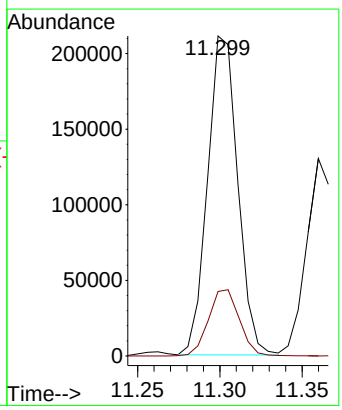


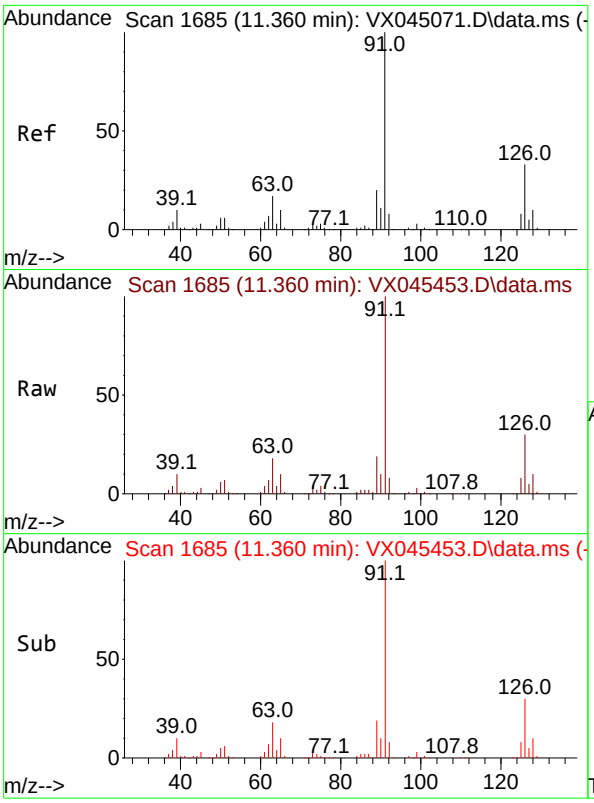


#78
n-propylbenzene
Concen: 53.289 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. -0.006 min
Lab File: VX045453.D
Acq: 25 Mar 2025 20:14

Tgt Ion: 91 Resp: 269107

Ion	Ratio	Lower	Upper
91	100		
120	21.3	11.2	33.6



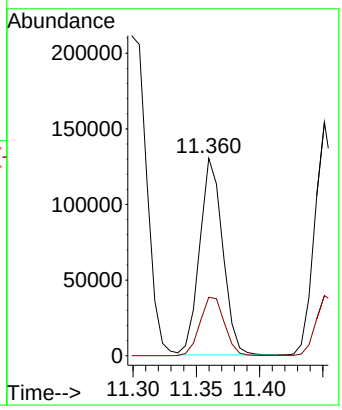


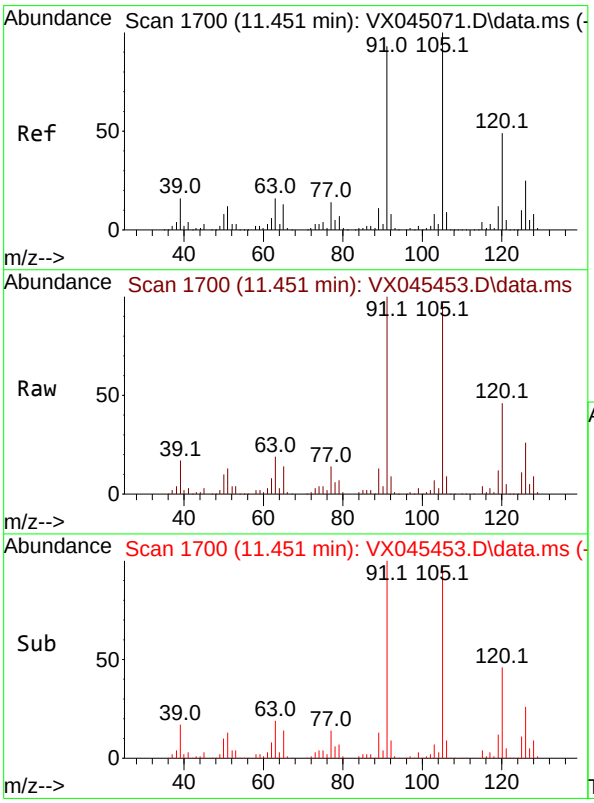
#79
2-Chlorotoluene
Concen: 51.354 ug/l
RT: 11.360 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045453.D
Acq: 25 Mar 2025 20:14

Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MS

Tgt Ion: 91 Resp: 165161

Ion	Ratio	Lower	Upper
91	100		
126	31.7	16.4	49.4

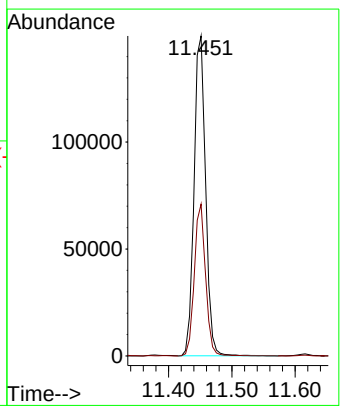


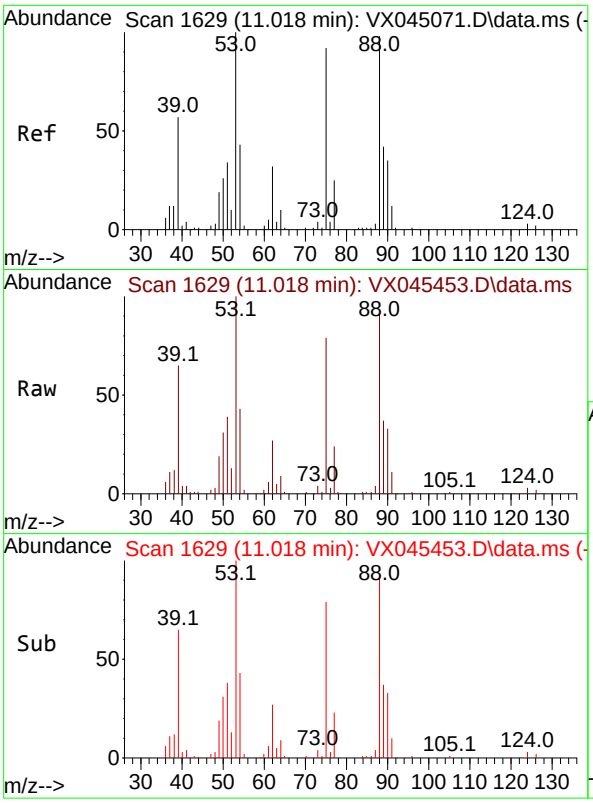


#80
1,3,5-Trimethylbenzene
Concen: 52.558 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX045453.D
Acq: 25 Mar 2025 20:14

Tgt Ion:105 Resp: 189979

Ion	Ratio	Lower	Upper
105	100		
120	46.4	24.1	72.2



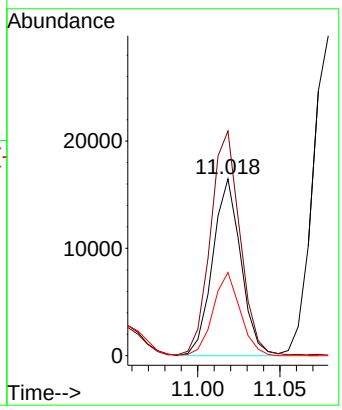


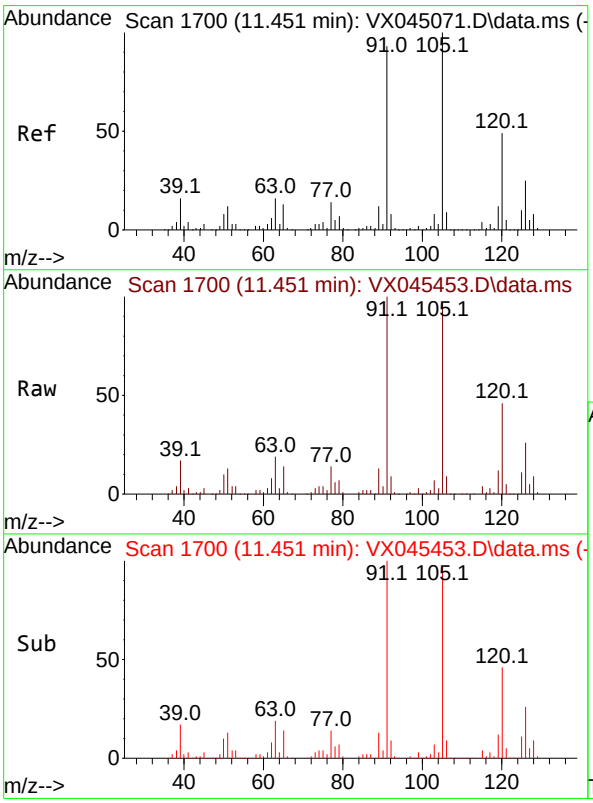
#81
trans-1,4-Dichloro-2-butene
Concen: 50.596 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045453.D
Acq: 25 Mar 2025 20:14

Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MS

Tgt Ion: 75 Resp: 19709

Ion	Ratio	Lower	Upper
75	100		
53	132.3	88.5	132.7
89	45.3	36.2	54.4

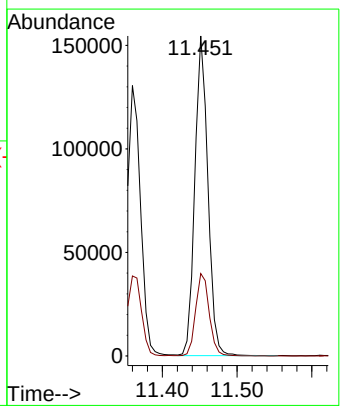


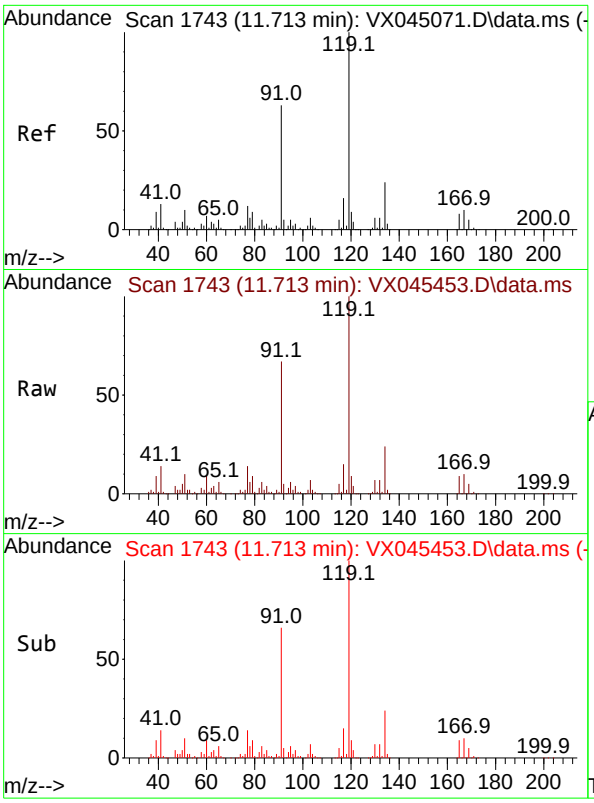


#82
4-Chlorotoluene
Concen: 53.338 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX045453.D
Acq: 25 Mar 2025 20:14

Tgt Ion: 91 Resp: 186957

Ion	Ratio	Lower	Upper
91	100		
126	26.9	14.1	42.4



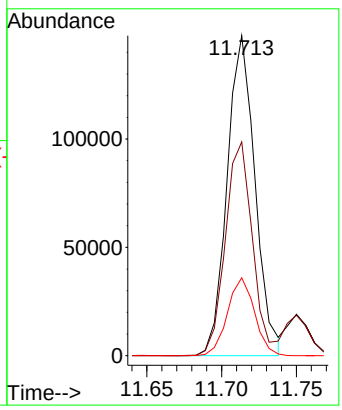


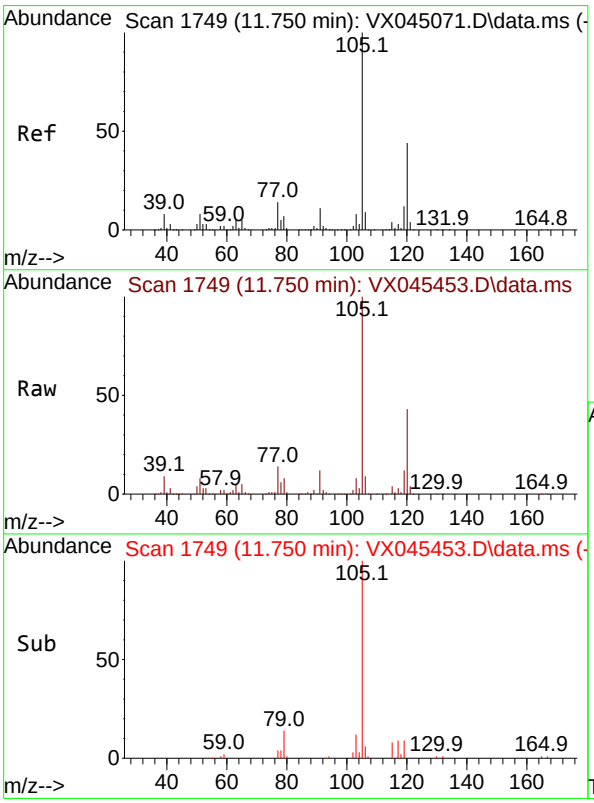
#83
tert-Butylbenzene
Concen: 51.625 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045453.D
Acq: 25 Mar 2025 20:14

Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MS

Tgt Ion:119 Resp: 191732

Ion	Ratio	Lower	Upper
119	100		
91	64.1	30.7	92.1
134	23.6	11.7	35.0

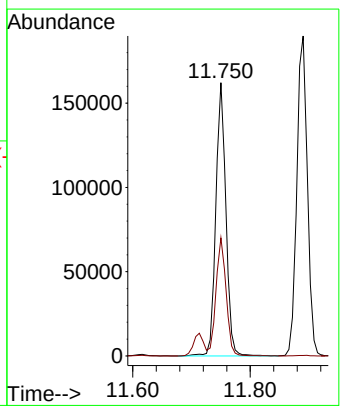


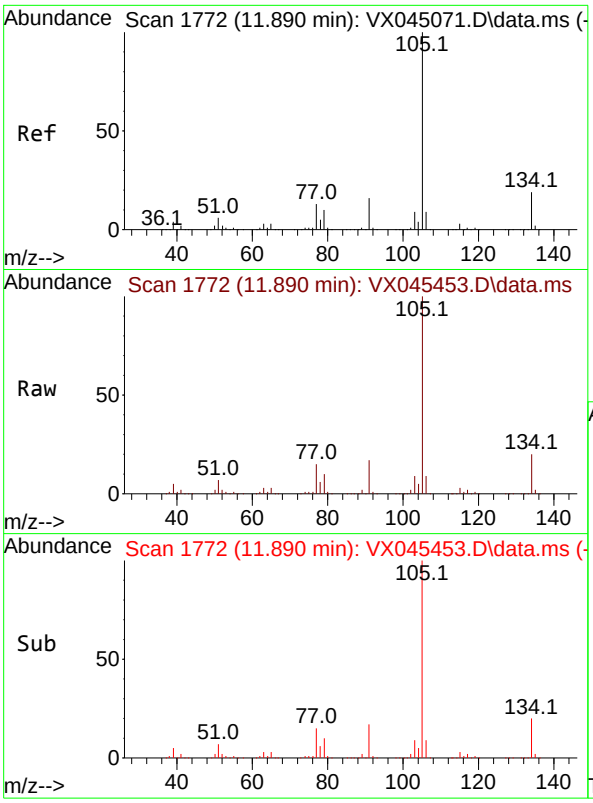


#84
1,2,4-Trimethylbenzene
Concen: 53.041 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX045453.D
Acq: 25 Mar 2025 20:14

Tgt Ion:105 Resp: 192914

Ion	Ratio	Lower	Upper
105	100		
120	43.5	22.1	66.1



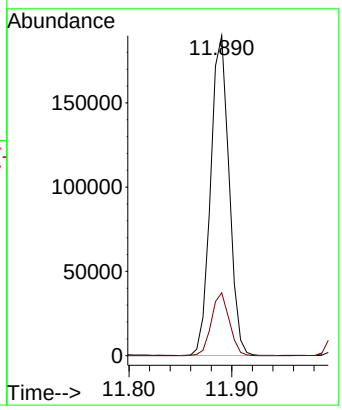


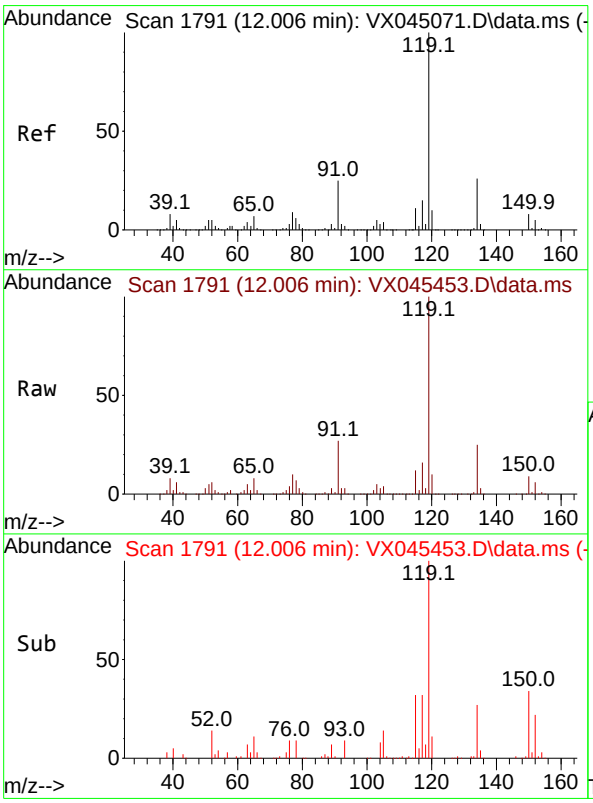
#85
sec-Butylbenzene
Concen: 53.049 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045453.D
Acq: 25 Mar 2025 20:14

Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MS

Tgt Ion:105 Resp: 236009

Ion	Ratio	Lower	Upper
105	100		
134	19.2	9.8	29.4

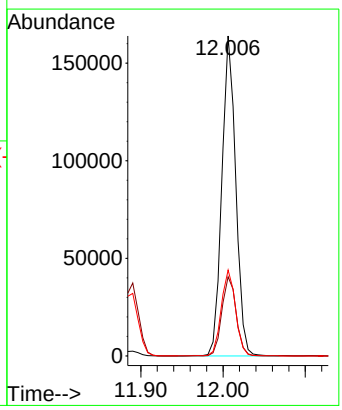


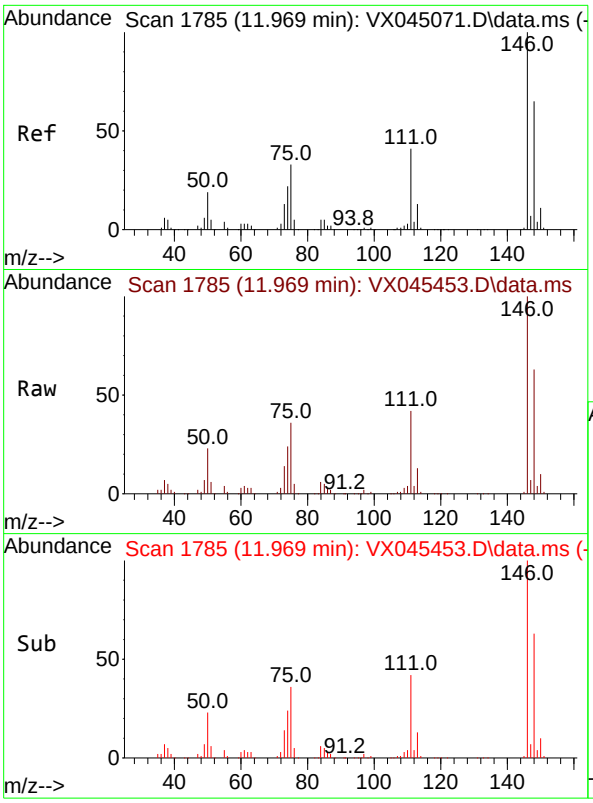


#86
p-Isopropyltoluene
Concen: 53.497 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX045453.D
Acq: 25 Mar 2025 20:14

Tgt Ion:119 Resp: 192339

Ion	Ratio	Lower	Upper
119	100		
134	25.6	12.9	38.6
91	27.6	12.7	38.0



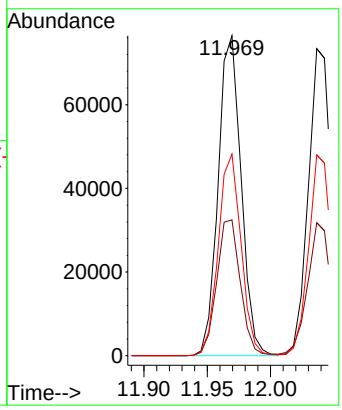


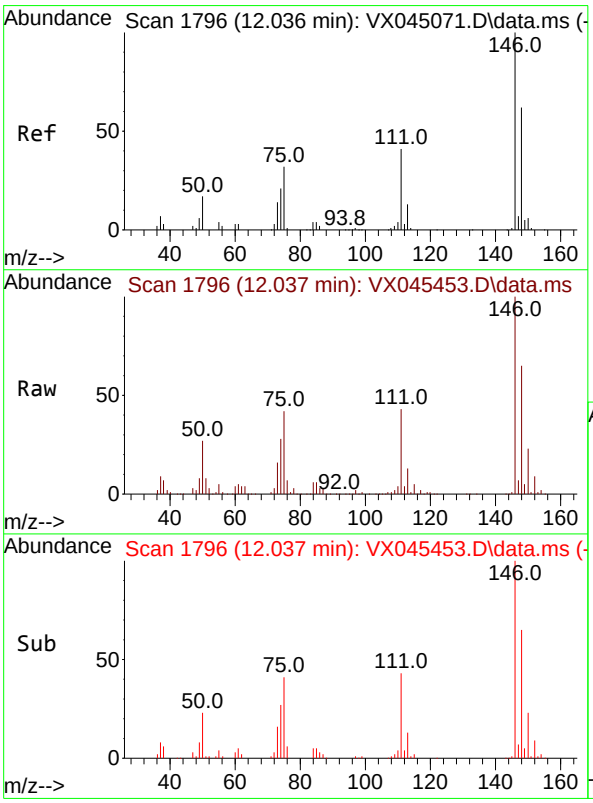
#87
1,3-Dichlorobenzene
Concen: 51.283 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045453.D
Acq: 25 Mar 2025 20:14

Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MS

Tgt Ion:146 Resp: 96495

Ion	Ratio	Lower	Upper
146	100		
111	43.8	21.1	63.4
148	62.6	31.9	95.7

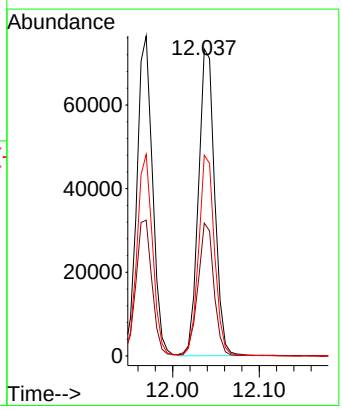


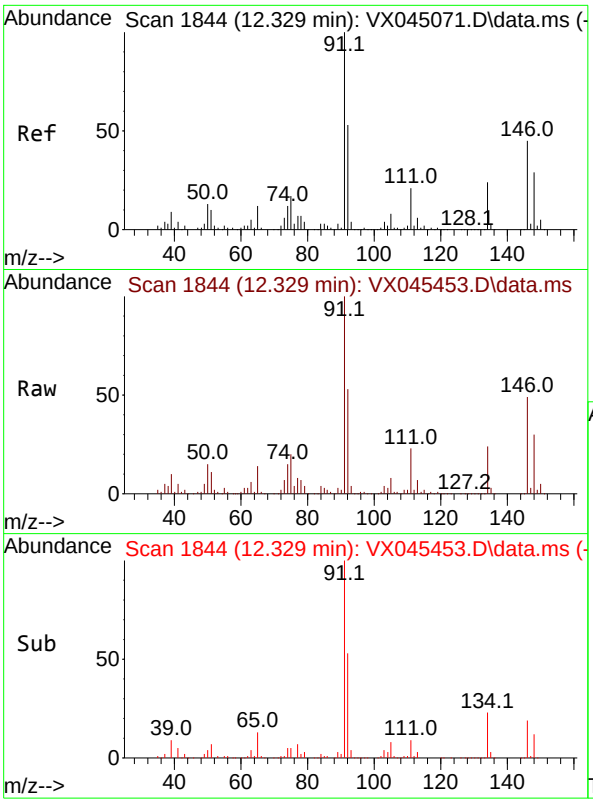


#88
1,4-Dichlorobenzene
Concen: 49.958 ug/l
RT: 12.037 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX045453.D
Acq: 25 Mar 2025 20:14

Tgt Ion:146 Resp: 95102

Ion	Ratio	Lower	Upper
146	100		
111	42.9	20.2	60.5
148	64.1	31.9	95.9



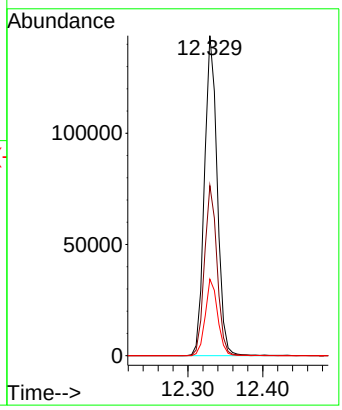


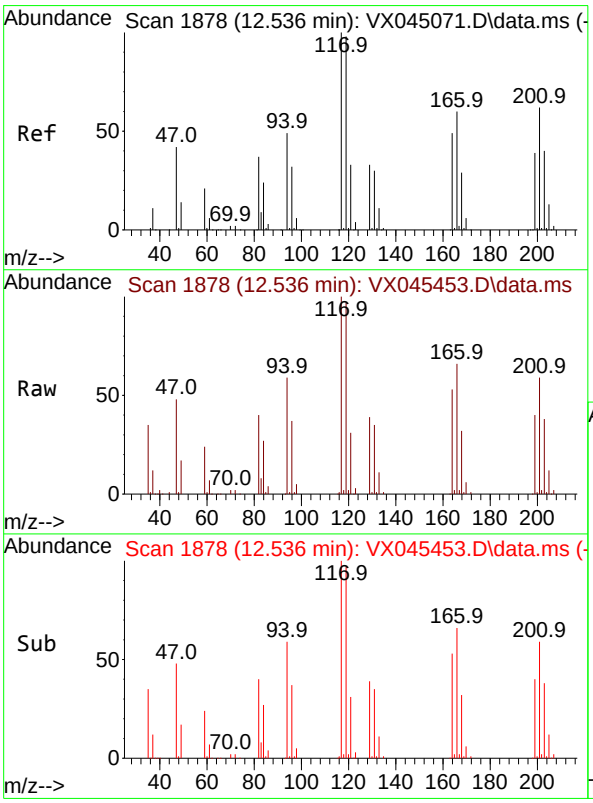
#89
n-Butylbenzene
Concen: 54.978 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045453.D
Acq: 25 Mar 2025 20:14

Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MS

Tgt Ion: 91 Resp: 170243

Ion	Ratio	Lower	Upper
91	100		
92	52.5	26.7	80.0
134	23.3	12.2	36.6

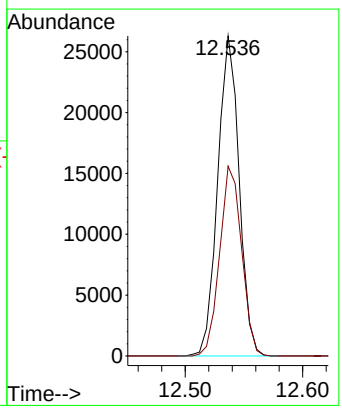


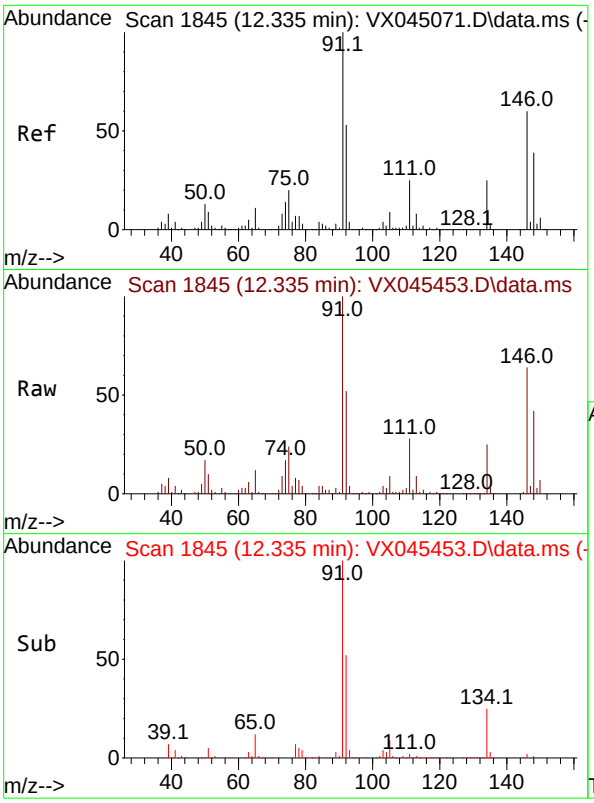


#90
Hexachloroethane
Concen: 51.222 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX045453.D
Acq: 25 Mar 2025 20:14

Tgt Ion:117 Resp: 33310

Ion	Ratio	Lower	Upper
117	100		
201	60.9	31.9	95.9



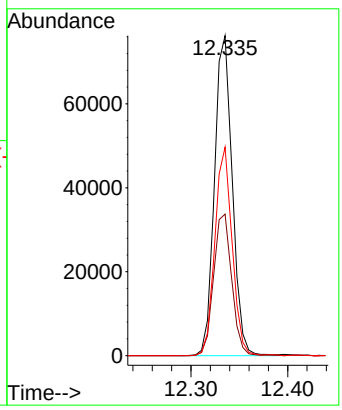


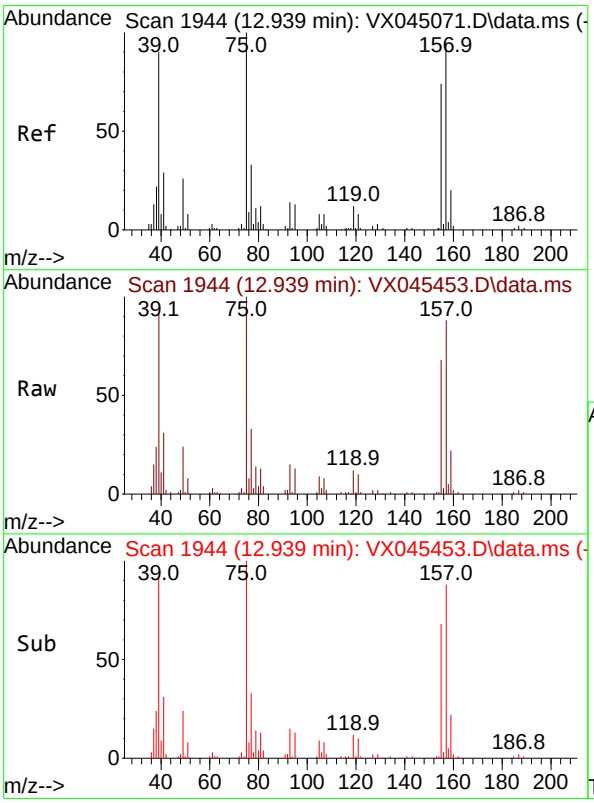
#91
1,2-Dichlorobenzene
Concen: 51.597 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045453.D
Acq: 25 Mar 2025 20:14

Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MS

Tgt Ion:146 Resp: 97391

Ion	Ratio	Lower	Upper
146	100		
111	45.1	21.6	65.0
148	63.3	31.9	95.9

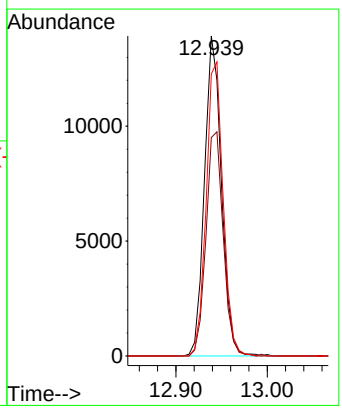


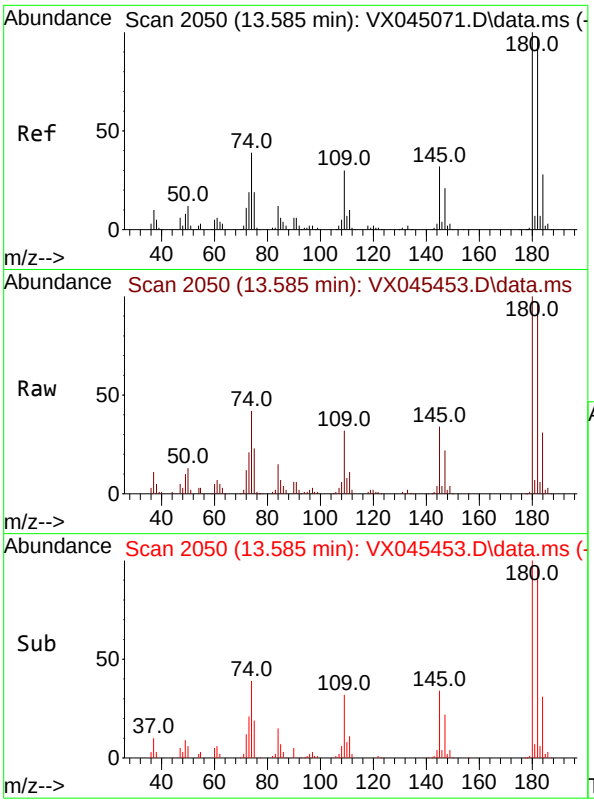


#92
1,2-Dibromo-3-Chloropropane
Concen: 56.052 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX045453.D
Acq: 25 Mar 2025 20:14

Tgt Ion: 75 Resp: 17914

Ion	Ratio	Lower	Upper
75	100		
155	71.1	39.6	118.7
157	91.6	51.1	153.4



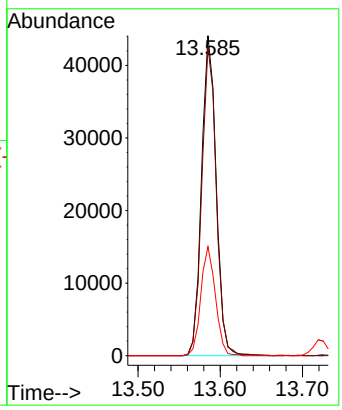


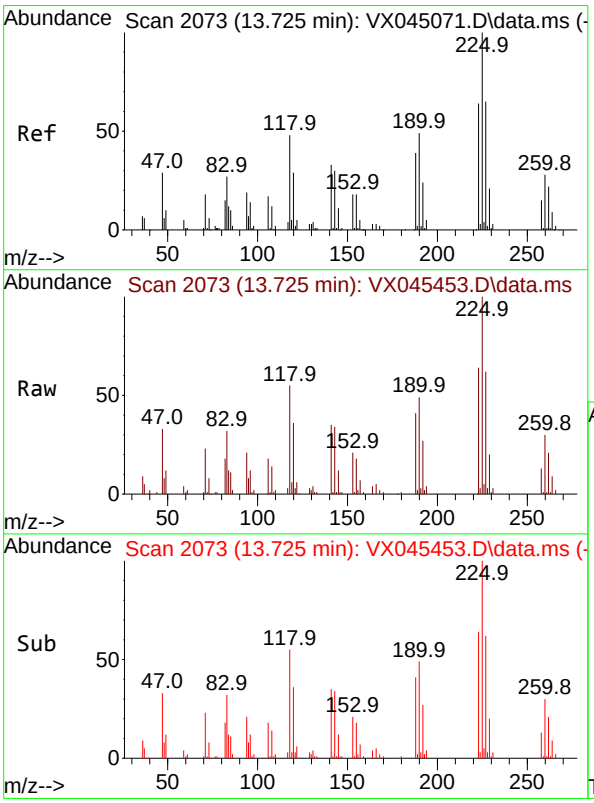
#93
1,2,4-Trichlorobenzene
Concen: 50.871 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045453.D
Acq: 25 Mar 2025 20:14

Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MS

Tgt Ion:180 Resp: 54675

Ion	Ratio	Lower	Upper
180	100		
182	95.3	47.3	141.9
145	33.9	16.3	48.9

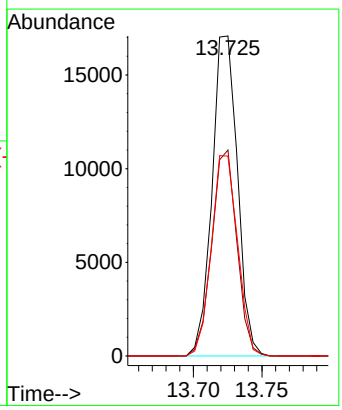


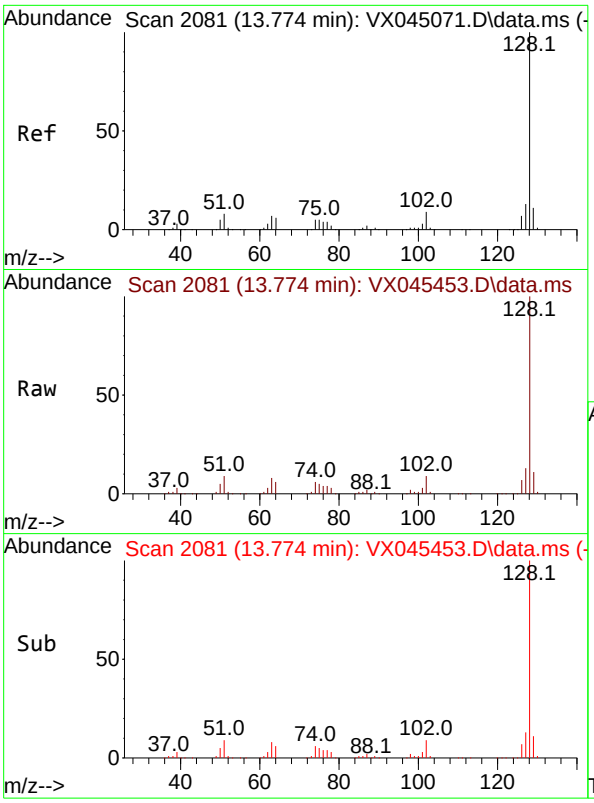


#94
Hexachlorobutadiene
Concen: 49.996 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX045453.D
Acq: 25 Mar 2025 20:14

Tgt Ion:225 Resp: 22030

Ion	Ratio	Lower	Upper
225	100		
223	63.5	31.9	95.7
227	64.6	31.4	94.0



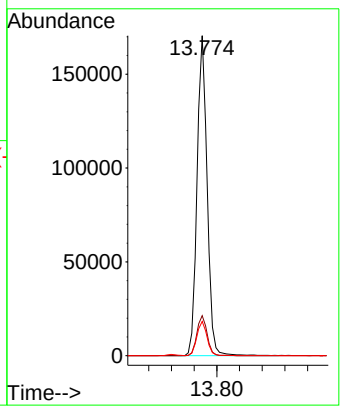


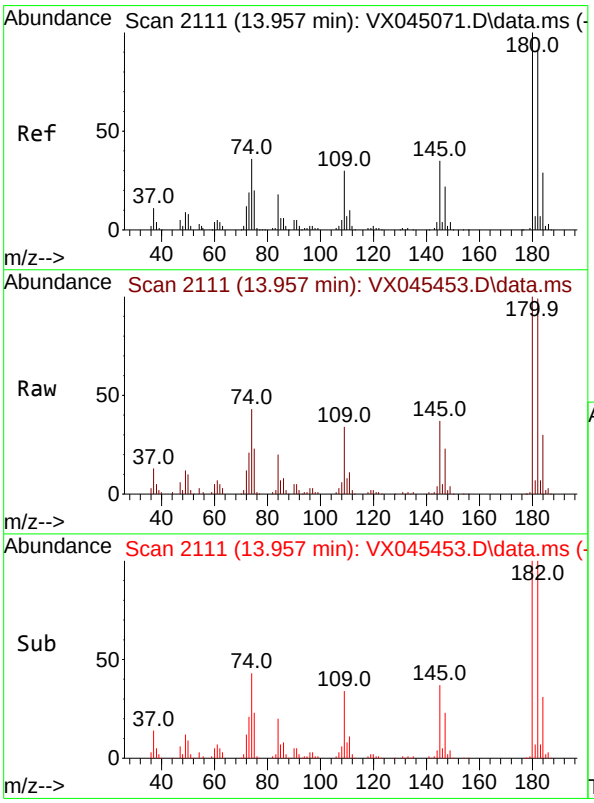
#95
Naphthalene
Concen: 50.889 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045453.D
Acq: 25 Mar 2025 20:14

Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MS

Tgt Ion:128 Resp: 210140

Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.3	15.5
129	10.8	8.7	13.1

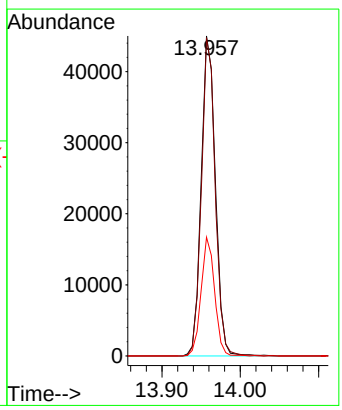




#96
1,2,3-Trichlorobenzene
Concen: 49.825 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX045453.D
Acq: 25 Mar 2025 20:14

Tgt Ion:180 Resp: 56493

Ion	Ratio	Lower	Upper
180	100		
182	96.8	47.5	142.6
145	35.5	17.0	50.9



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032525\
Data File : VX045454.D
Acq On : 25 Mar 2025 20:37
Operator : JC/MD
Sample : Q1608-13MSD
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MSD

Quant Time: Mar 27 03:19:28 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	5.543	168	80493	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	144565	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	128766	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	58991	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	72075	56.293	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 112.580%			
35) Dibromofluoromethane	5.379	113	51224	52.990	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.980%			
50) Toluene-d8	8.646	98	176887	50.474	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.940%			
62) 4-Bromofluorobenzene	11.079	95	65839	56.695	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 113.380%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	63285	62.460	ug/l	98
3) Chloromethane	1.300	50	64830	52.284	ug/l	99
4) Vinyl Chloride	1.373	62	59303	48.211	ug/l	94
5) Bromomethane	1.593	94	27420	56.705	ug/l	99
6) Chloroethane	1.666	64	30511	53.776	ug/l	98
7) Trichlorofluoromethane	1.873	101	87332	53.631	ug/l	99
8) Diethyl Ether	2.129	74	29565	46.419	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.318	101	57563	61.530	ug/l	99
10) Methyl Iodide	2.446	142	66707	57.057	ug/l	94
11) Tert butyl alcohol	2.983	59	55999	230.904	ug/l	97
12) 1,1-Dichloroethene	2.306	96	52305	52.882	ug/l	90
13) Acrolein	2.233	56	77890	277.835	ug/l	100
14) Allyl chloride	2.654	41	98868	56.155	ug/l	94
15) Acrylonitrile	3.062	53	170104	261.705	ug/l	99
16) Acetone	2.385	43	156806	263.962	ug/l	97
17) Carbon Disulfide	2.501	76	129306	49.084	ug/l	97
18) Methyl Acetate	2.702	43	66573	46.584	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	182043	54.859	ug/l	97
20) Methylene Chloride	2.782	84	60500	51.413	ug/l	95
21) trans-1,2-Dichloroethene	3.087	96	52589	53.819	ug/l	97
22) Diisopropyl ether	3.757	45	195179	54.509	ug/l #	87
23) Vinyl Acetate	3.714	43	831269	278.193	ug/l	99
24) 1,1-Dichloroethane	3.605	63	107944	53.791	ug/l	100
25) 2-Butanone	4.556	43	244215	273.114	ug/l	97
26) 2,2-Dichloropropane	4.470	77	63478	67.439	ug/l	96
27) cis-1,2-Dichloroethene	4.476	96	66198	54.879	ug/l	94
28) Bromochloromethane	4.891	49	47249	49.398	ug/l	100
29) Tetrahydrofuran	5.001	42	154668	257.569	ug/l	99
30) Chloroform	5.086	83	114418	57.384	ug/l	97
31) Cyclohexane	5.458	56	96420	55.352	ug/l	96
32) 1,1,1-Trichloroethane	5.373	97	92807	57.630	ug/l	98
36) 1,1-Dichloropropene	5.684	75	72172	54.441	ug/l	100
37) Ethyl Acetate	4.708	43	87894	51.453	ug/l	99
38) Carbon Tetrachloride	5.671	117	78156	58.070	ug/l	95
39) Methylcyclohexane	7.372	83	92006	57.921	ug/l	96
40) Benzene	6.031	78	223694	53.436	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032525\
Data File : VX045454.D
Acq On : 25 Mar 2025 20:37
Operator : JC/MD
Sample : Q1608-13MSD
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MSD

Quant Time: Mar 27 03:19:28 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)
41) Methacrylonitrile	4.915	41	51618	55.883	ug/l		98
42) 1,2-Dichloroethane	6.080	62	91723	60.846	ug/l		97
43) Isopropyl Acetate	6.342	43	139900	55.384	ug/l		99
44) Trichloroethene	7.122	130	182090	185.246	ug/l		98
45) 1,2-Dichloropropane	7.427	63	56754	52.730	ug/l		98
46) Dibromomethane	7.580	93	42457	55.809	ug/l		97
47) Bromodichloromethane	7.817	83	85131	57.051	ug/l		100
48) Methyl methacrylate	7.689	41	74476	58.769	ug/l		93
49) 1,4-Dioxane	7.659	88	25440	951.681	ug/l		93
51) 4-Methyl-2-Pentanone	8.573	43	482778	284.646	ug/l		99
52) Toluene	8.714	92	137053	55.800	ug/l		100
53) t-1,3-Dichloropropene	8.976	75	73337	58.788	ug/l		98
54) cis-1,3-Dichloropropene	8.366	75	83300	57.263	ug/l		93
55) 1,1,2-Trichloroethane	9.146	97	55071	54.465	ug/l		98
56) Ethyl methacrylate	9.116	69	89821	58.440	ug/l		92
57) 1,3-Dichloropropane	9.305	76	96907	55.380	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.171	63	168	0.224	ug/l	#	48
59) 2-Hexanone	9.427	43	359074	292.199	ug/l		97
60) Dibromochloromethane	9.518	129	60687	57.402	ug/l		100
61) 1,2-Dibromoethane	9.604	107	55964	55.442	ug/l		100
64) Tetrachloroethene	9.268	164	49262	59.734	ug/l		98
65) Chlorobenzene	10.073	112	148540	54.517	ug/l		98
66) 1,1,1,2-Tetrachloroethane	10.158	131	49482	54.533	ug/l		97
67) Ethyl Benzene	10.189	91	269267	56.717	ug/l		99
68) m/p-Xylenes	10.299	106	194318	111.808	ug/l		94
69) o-Xylene	10.640	106	95373	54.410	ug/l		95
70) Styrene	10.652	104	161039	56.780	ug/l		97
71) Bromoform	10.799	173	37117	54.246	ug/l	#	99
73) Isopropylbenzene	10.957	105	254922	55.365	ug/l		98
74) N-amyl acetate	10.841	43	118252	54.733	ug/l		98
75) 1,1,2,2-Tetrachloroethane	11.207	83	85900	50.839	ug/l		100
76) 1,2,3-Trichloropropane	11.237	75	91080	66.335	ug/l		85
77) Bromobenzene	11.195	156	56308	51.831	ug/l		92
78) n-propylbenzene	11.298	91	298852	57.457	ug/l		98
79) 2-Chlorotoluene	11.359	91	180454	54.476	ug/l		97
80) 1,3,5-Trimethylbenzene	11.451	105	207948	55.855	ug/l		98
81) trans-1,4-Dichloro-2-b...	11.018	75	20244	50.457	ug/l	#	83
82) 4-Chlorotoluene	11.451	91	202603	56.120	ug/l		99
83) tert-Butylbenzene	11.713	119	207511	54.247	ug/l		97
84) 1,2,4-Trimethylbenzene	11.750	105	210227	56.119	ug/l		98
85) sec-Butylbenzene	11.890	105	256982	56.082	ug/l		99
86) p-Isopropyltoluene	12.006	119	212455	57.372	ug/l		98
87) 1,3-Dichlorobenzene	11.969	146	101086	52.159	ug/l		98
88) 1,4-Dichlorobenzene	12.036	146	100948	51.485	ug/l		98
89) n-Butylbenzene	12.329	91	184374	57.809	ug/l		99
90) Hexachloroethane	12.536	117	36429	54.388	ug/l		96
91) 1,2-Dichlorobenzene	12.335	146	104063	53.527	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	12.938	75	18808	57.137	ug/l		91
93) 1,2,4-Trichlorobenzene	13.585	180	57410	51.861	ug/l		100
94) Hexachlorobutadiene	13.725	225	23639	52.086	ug/l		99
95) Naphthalene	13.774	128	219719	51.660	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	59607	51.041	ug/l		99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032525\
Data File : VX045454.D
Acq On : 25 Mar 2025 20:37
Operator : JC/MD
Sample : Q1608-13MSD
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MSD

Quant Time: Mar 27 03:19:28 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

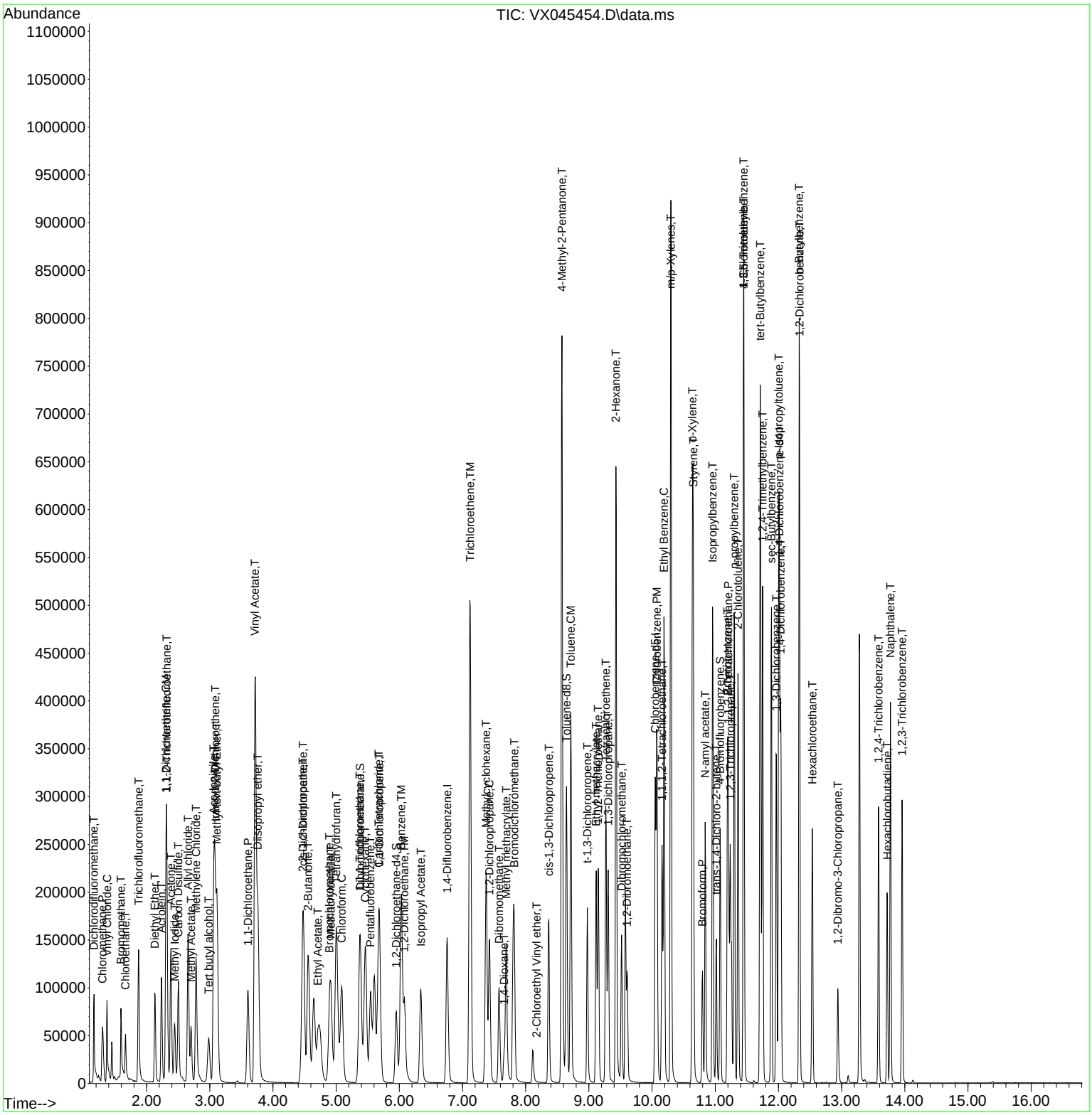
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

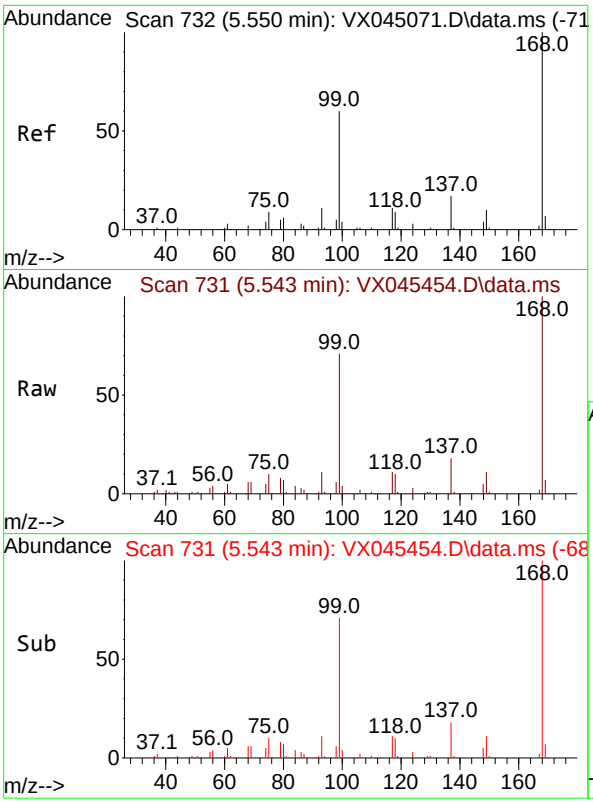
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Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032525\
Data File : VX045454.D
Acq On : 25 Mar 2025 20:37
Operator : JC/MD
Sample : Q1608-13MSD
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MSD

Quant Time: Mar 27 03:19:28 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



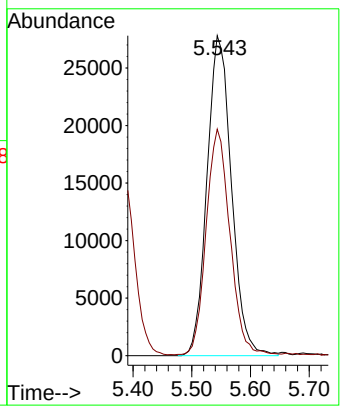


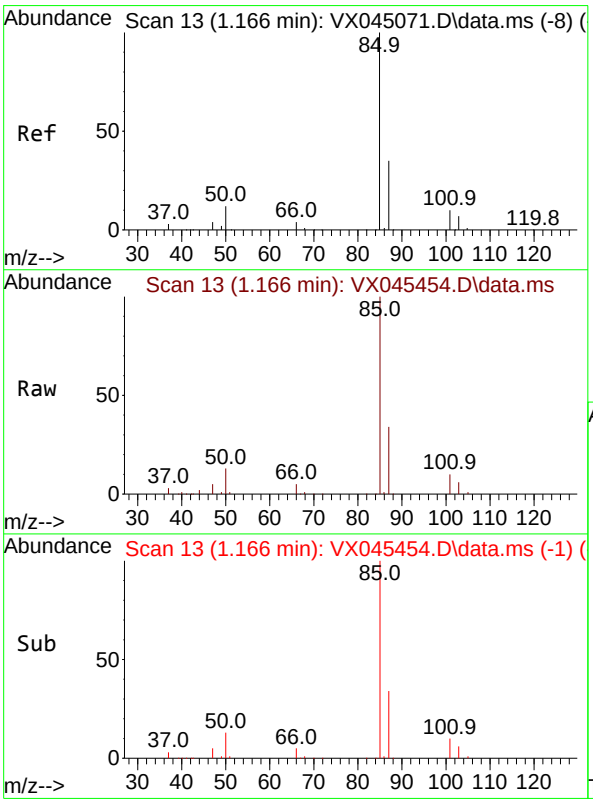
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.543 min Scan# 7
Delta R.T. -0.007 min
Lab File: VX045454.D
Acq: 25 Mar 2025 20:37

Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MSD

Tgt Ion:168 Resp: 80493

Ion	Ratio	Lower	Upper
168	100		
99	70.4	48.2	72.4

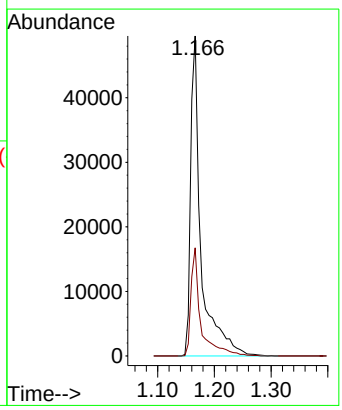


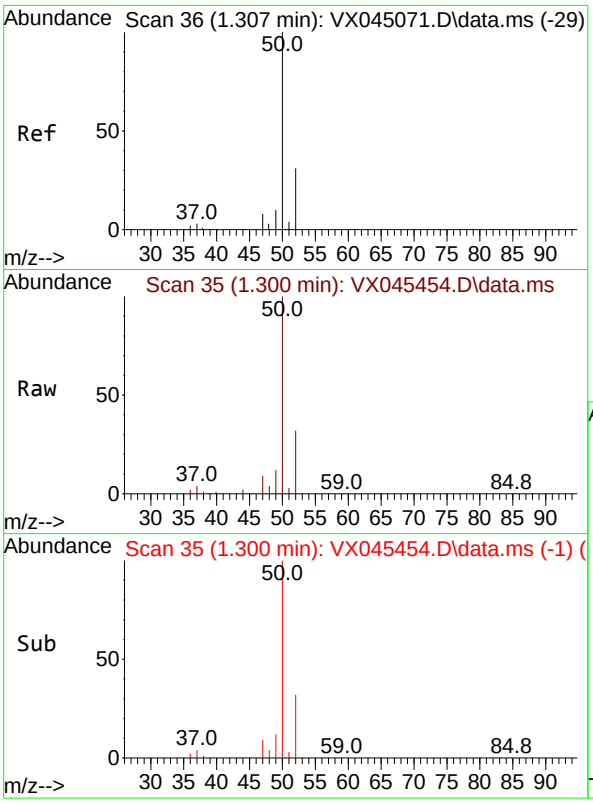


#2
Dichlorodifluoromethane
Concen: 62.460 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX045454.D
Acq: 25 Mar 2025 20:37

Tgt Ion: 85 Resp: 63285

Ion	Ratio	Lower	Upper
85	100		
87	33.8	17.4	52.3



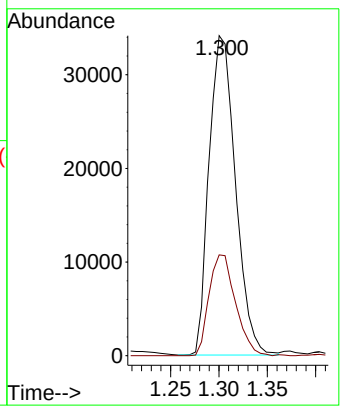


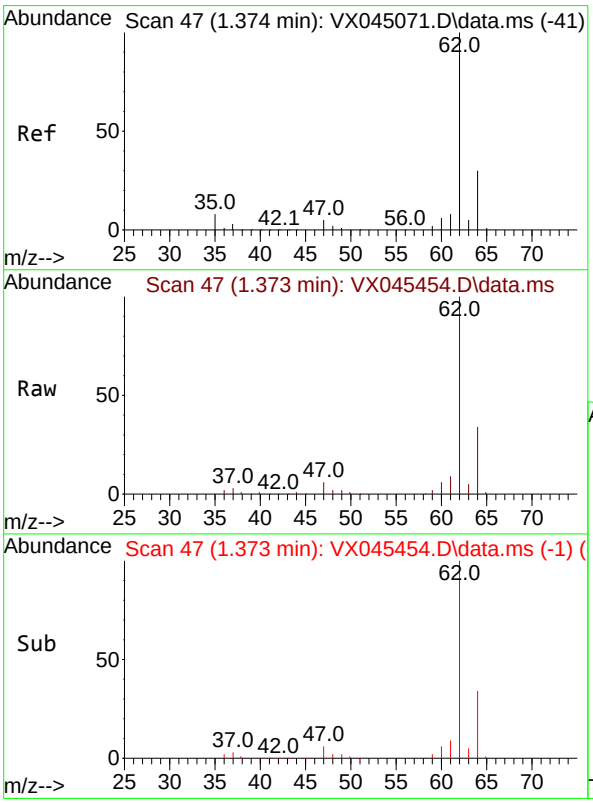
#3
Chloromethane
Concen: 52.284 ug/l
RT: 1.300 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045454.D
Acq: 25 Mar 2025 20:37

Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MSD

Tgt Ion: 50 Resp: 64830

Ion	Ratio	Lower	Upper
50	100		
52	31.6	25.0	37.4

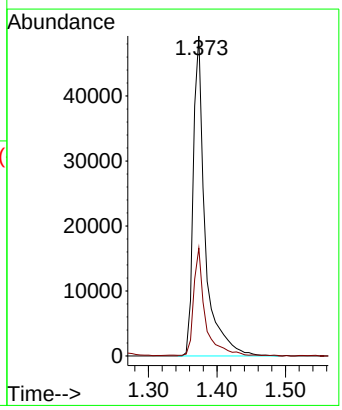


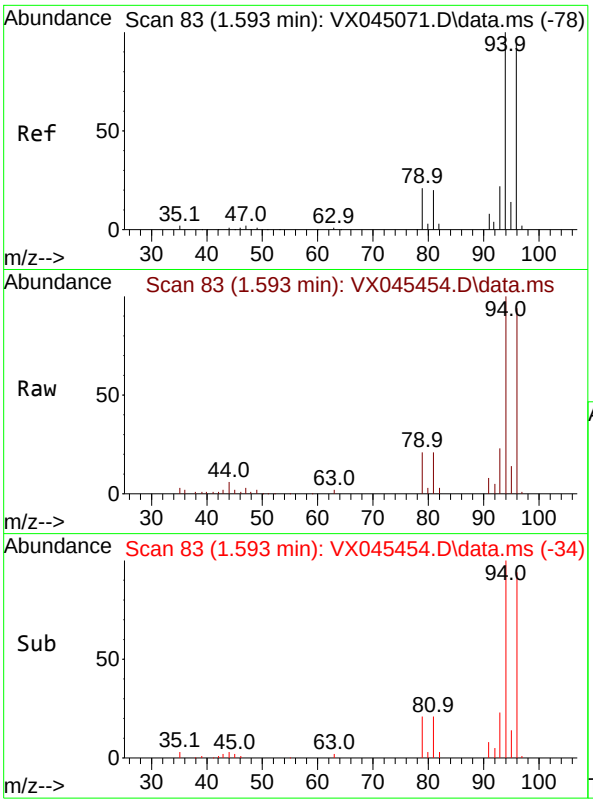


#4
Vinyl Chloride
Concen: 48.211 ug/l
RT: 1.373 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX045454.D
Acq: 25 Mar 2025 20:37

Tgt Ion: 62 Resp: 59303

Ion	Ratio	Lower	Upper
62	100		
64	33.5	24.3	36.5



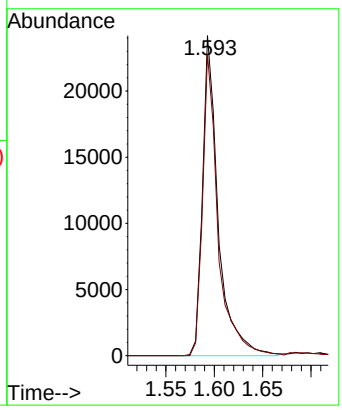


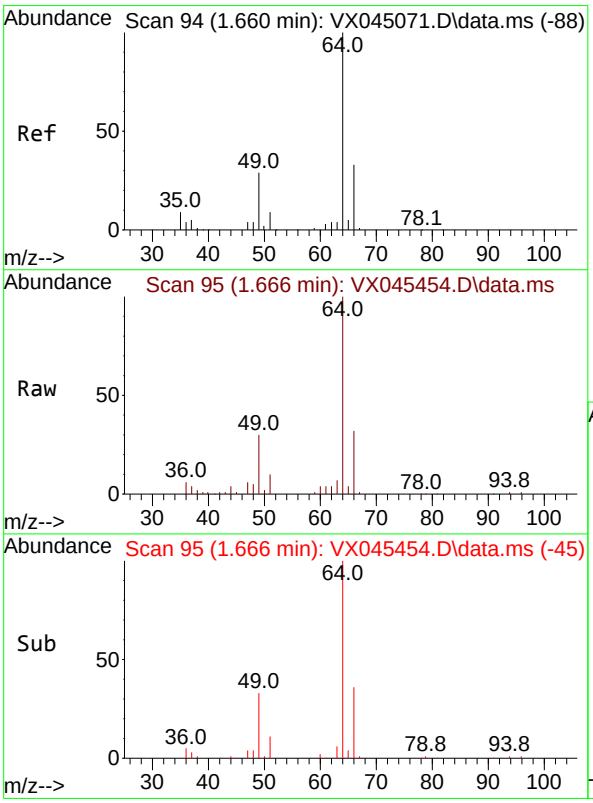
#5
Bromomethane
Concen: 56.705 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045454.D
Acq: 25 Mar 2025 20:37

Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MSD

Tgt Ion: 94 Resp: 27420

Ion	Ratio	Lower	Upper
94	100		
96	94.3	75.0	112.4

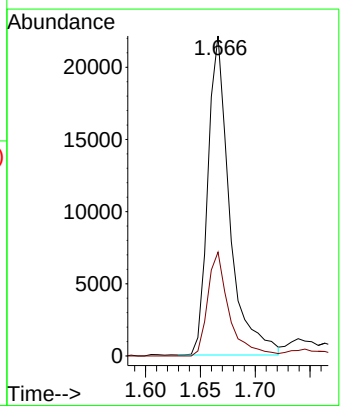


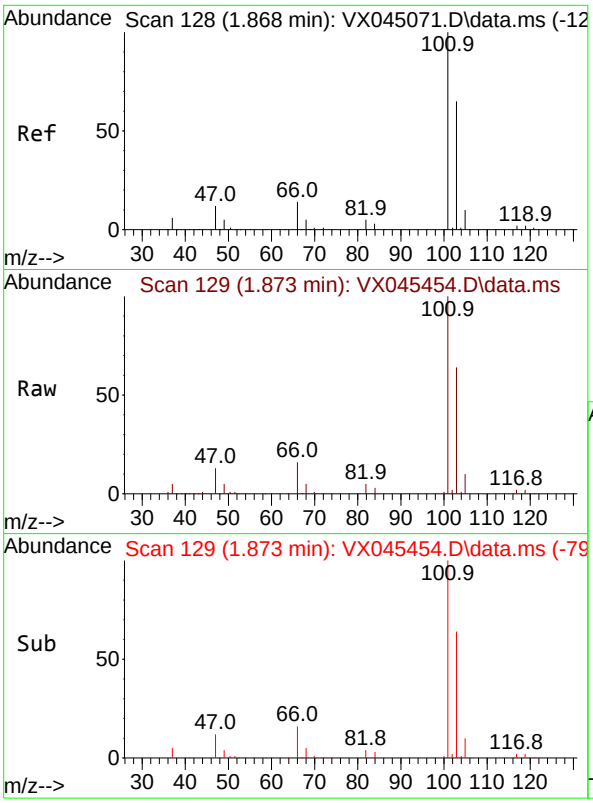


#6
Chloroethane
Concen: 53.776 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.006 min
Lab File: VX045454.D
Acq: 25 Mar 2025 20:37

Tgt Ion: 64 Resp: 30511

Ion	Ratio	Lower	Upper
64	100		
66	32.5	26.7	40.1



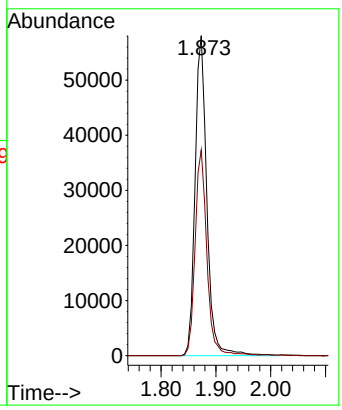


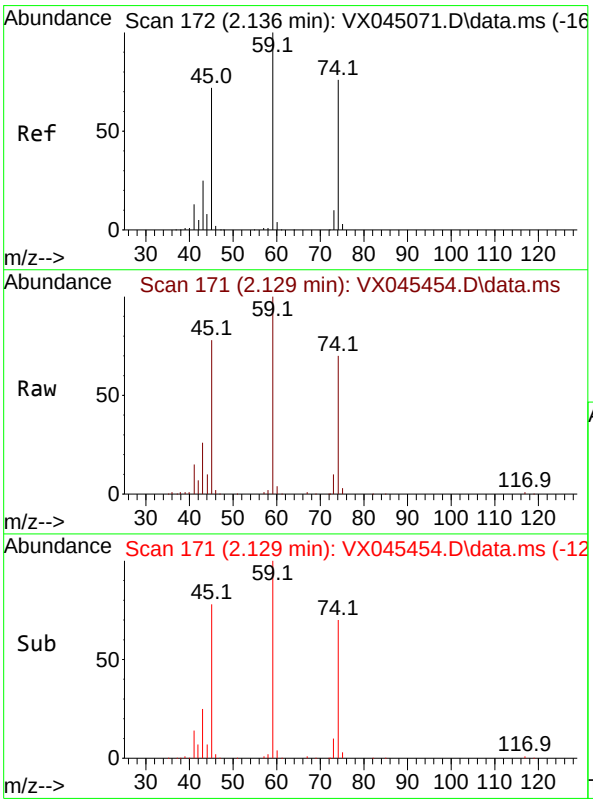
#7
Trichlorofluoromethane
Concen: 53.631 ug/l
RT: 1.873 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045454.D
Acq: 25 Mar 2025 20:37

Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MSD

Tgt Ion:101 Resp: 87332

Ion	Ratio	Lower	Upper
101	100		
103	64.3	52.1	78.1

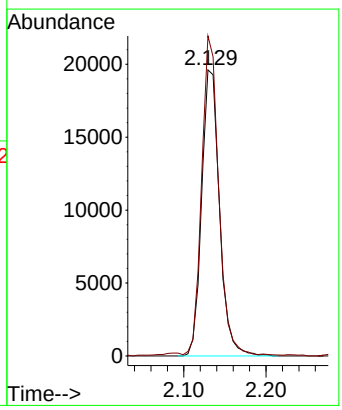


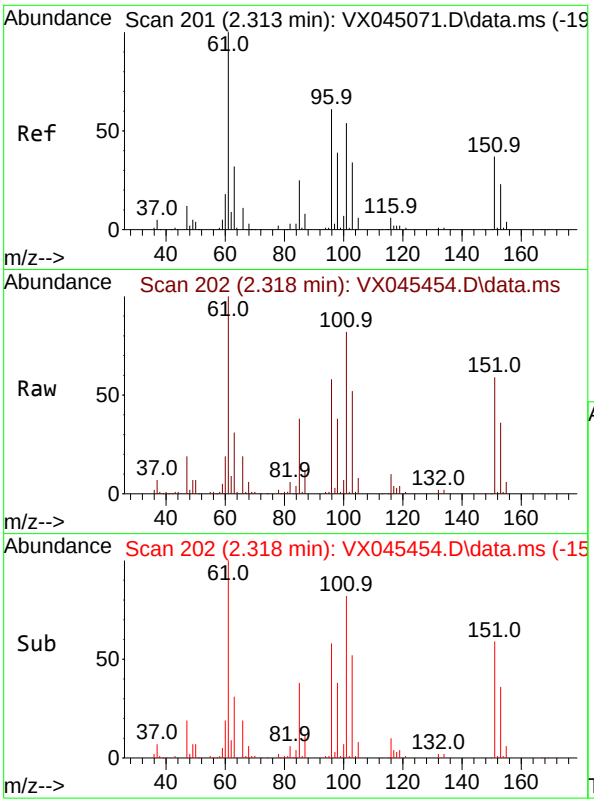


#8
Diethyl Ether
Concen: 46.419 ug/l
RT: 2.129 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX045454.D
Acq: 25 Mar 2025 20:37

Tgt Ion: 74 Resp: 29565

Ion	Ratio	Lower	Upper
74	100		
45	106.8	51.5	154.5



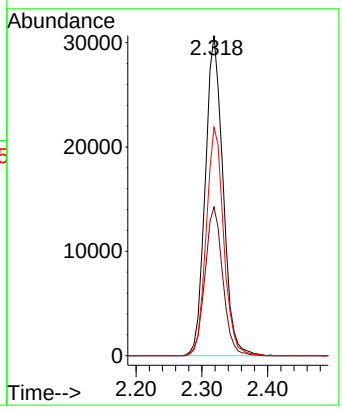


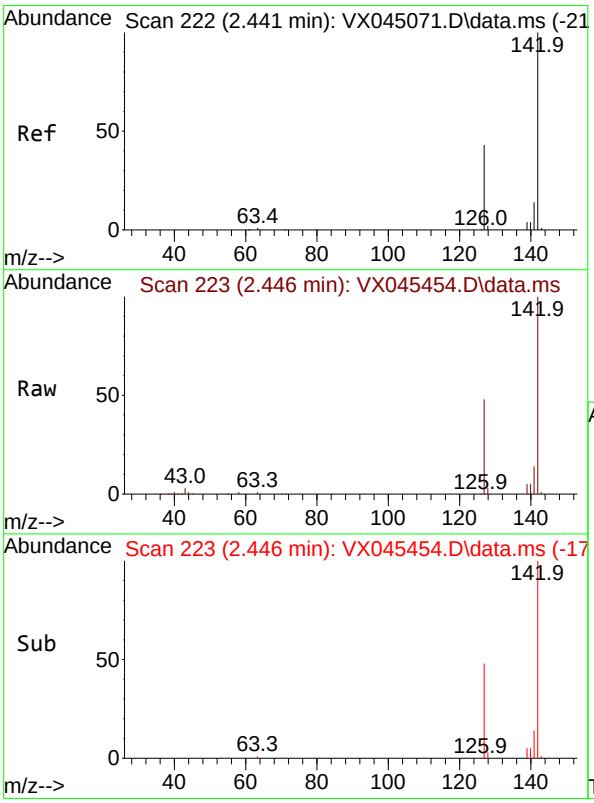
#9
1,1,2-Trichlorotrifluoroethane
Concen: 61.530 ug/l
RT: 2.318 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX045454.D
Acq: 25 Mar 2025 20:37

Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MSD

Tgt Ion:101 Resp: 57563

Ion	Ratio	Lower	Upper
101	100		
85	46.4	36.2	54.4
151	70.3	56.4	84.6

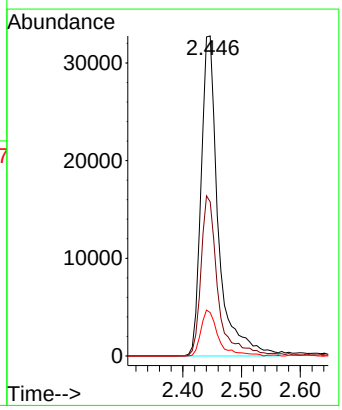


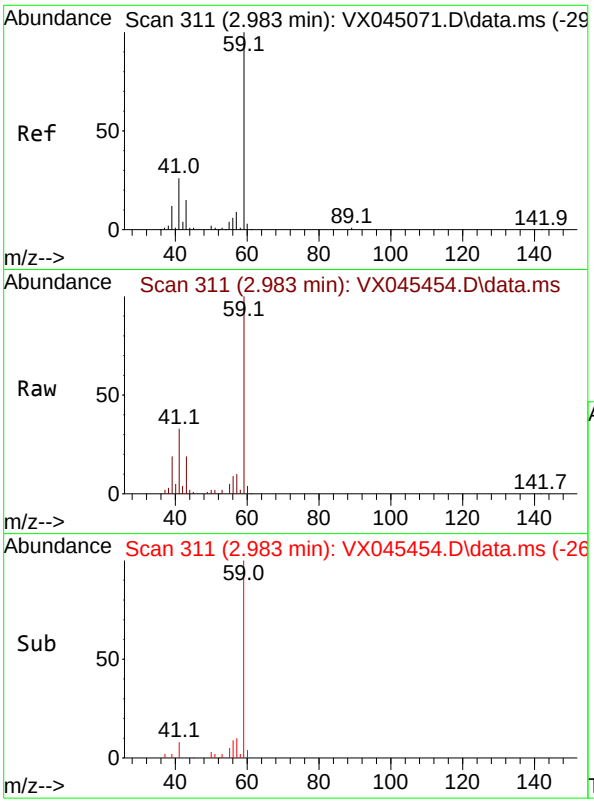


#10
Methyl Iodide
Concen: 57.057 ug/l
RT: 2.446 min Scan# 223
Delta R.T. 0.006 min
Lab File: VX045454.D
Acq: 25 Mar 2025 20:37

Tgt Ion:142 Resp: 66707

Ion	Ratio	Lower	Upper
142	100		
127	49.7	35.4	53.2
141	14.4	11.6	17.4



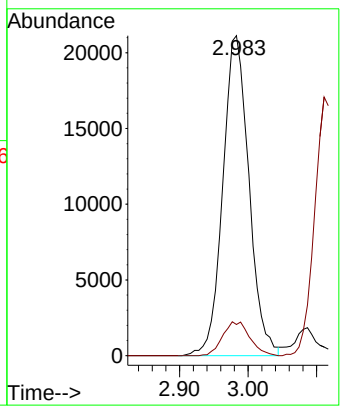


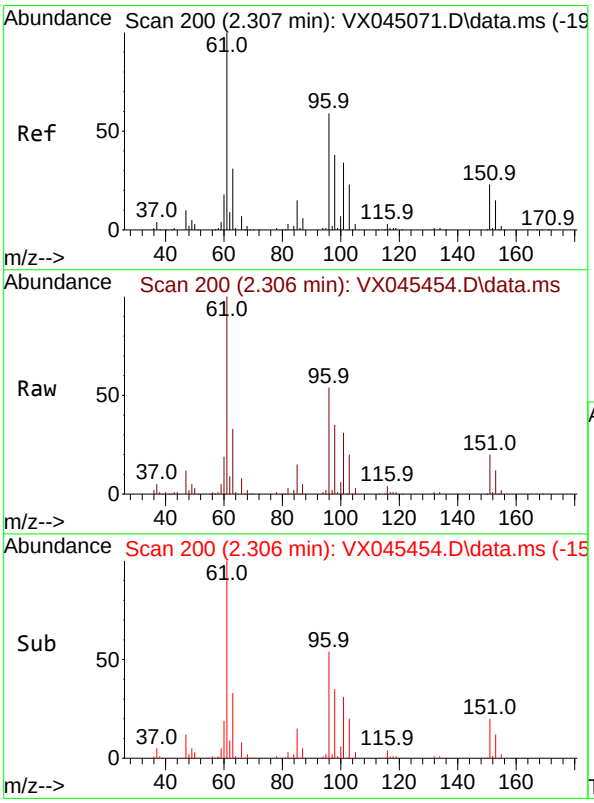
#11
Tert butyl alcohol
Concen: 230.904 ug/l
RT: 2.983 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045454.D
Acq: 25 Mar 2025 20:37

Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MSD

Tgt Ion: 59 Resp: 55999

Ion	Ratio	Lower	Upper
59	100		
57	11.1	7.8	11.8

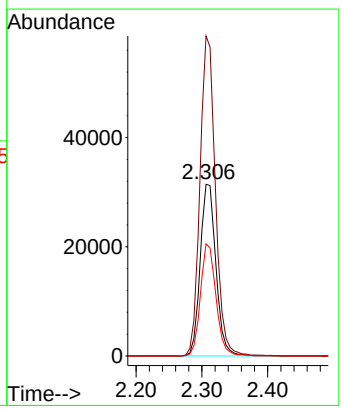


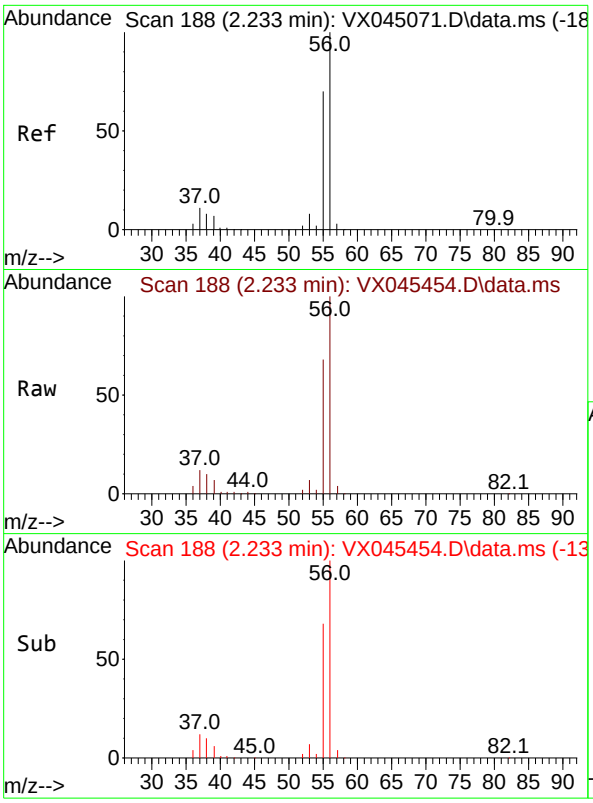


#12
1,1-Dichloroethene
Concen: 52.882 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX045454.D
Acq: 25 Mar 2025 20:37

Tgt Ion: 96 Resp: 52305

Ion	Ratio	Lower	Upper
96	100		
61	186.4	134.6	202.0
98	65.4	51.0	76.6



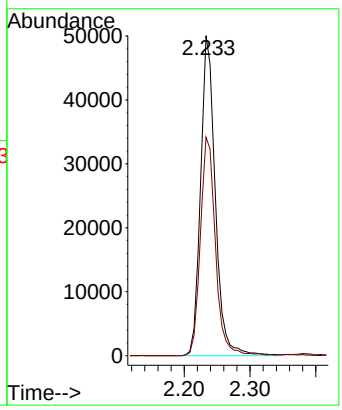


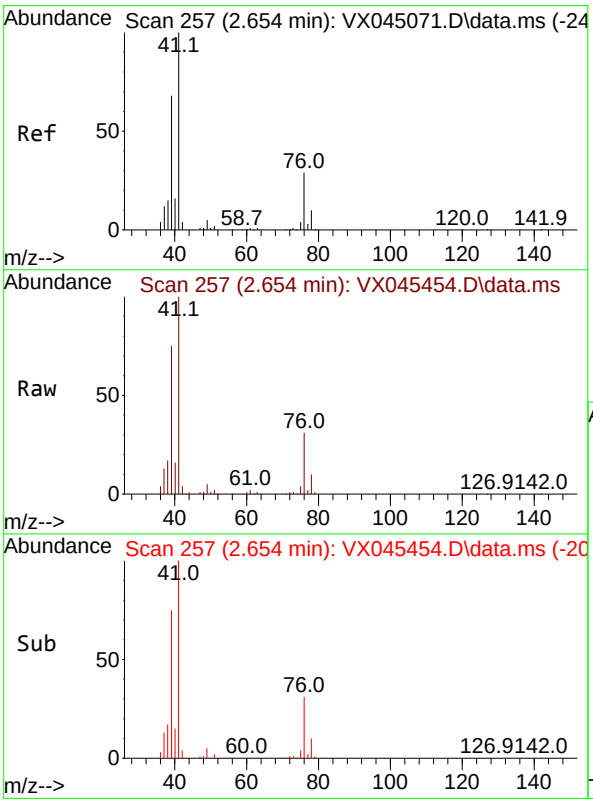
#13
Acrolein
Concen: 277.835 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045454.D
Acq: 25 Mar 2025 20:37

Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MSD

Tgt Ion: 56 Resp: 77890

Ion	Ratio	Lower	Upper
56	100		
55	70.1	56.2	84.4

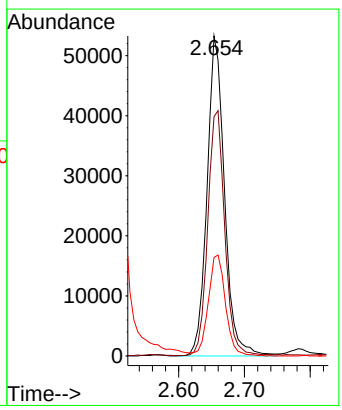


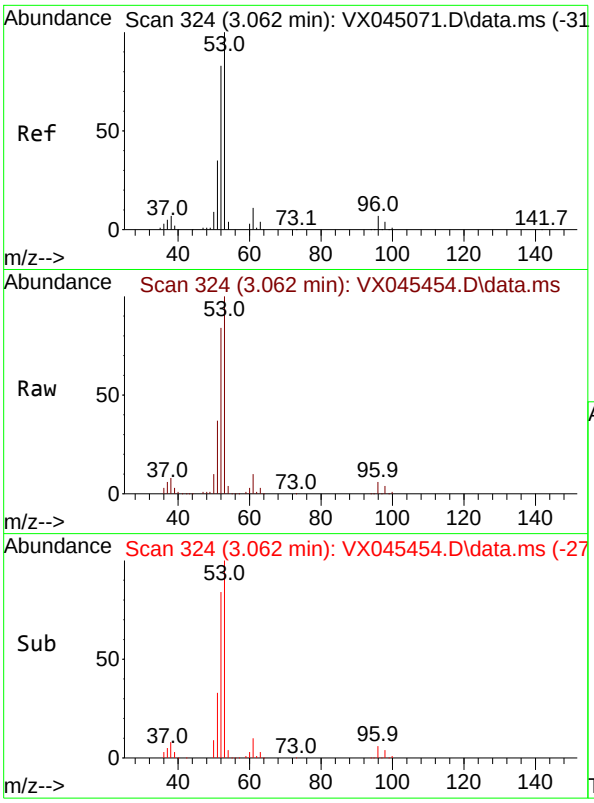


#14
Allyl chloride
Concen: 56.155 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX045454.D
Acq: 25 Mar 2025 20:37

Tgt Ion: 41 Resp: 98868

Ion	Ratio	Lower	Upper
41	100		
39	74.2	53.8	80.8
76	31.1	25.2	37.8



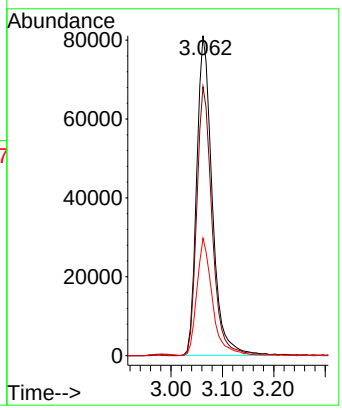


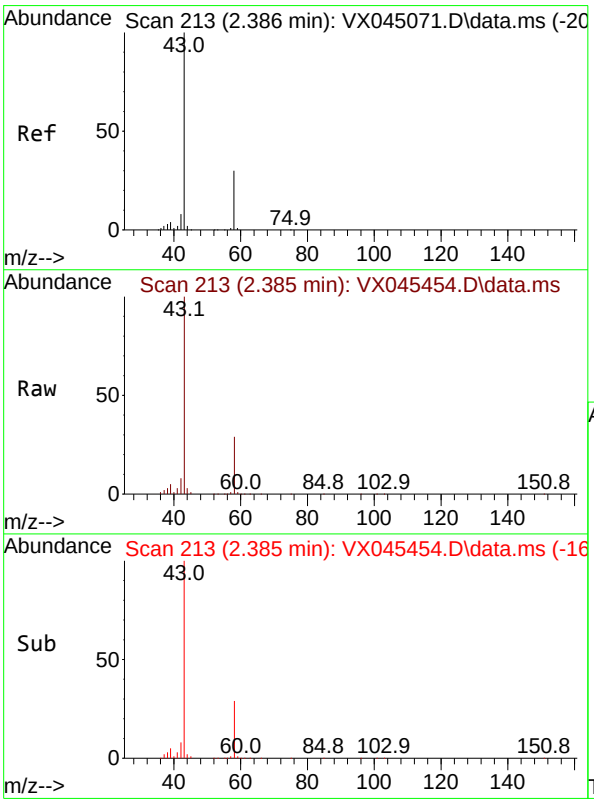
#15
Acrylonitrile
Concen: 261.705 ug/l
RT: 3.062 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045454.D
Acq: 25 Mar 2025 20:37

Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MSD

Tgt Ion: 53 Resp: 170104

Ion	Ratio	Lower	Upper
53	100		
52	83.8	66.2	99.2
51	37.3	29.0	43.4

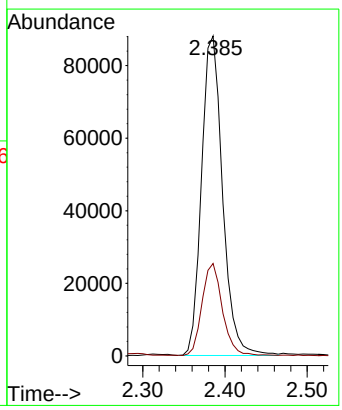


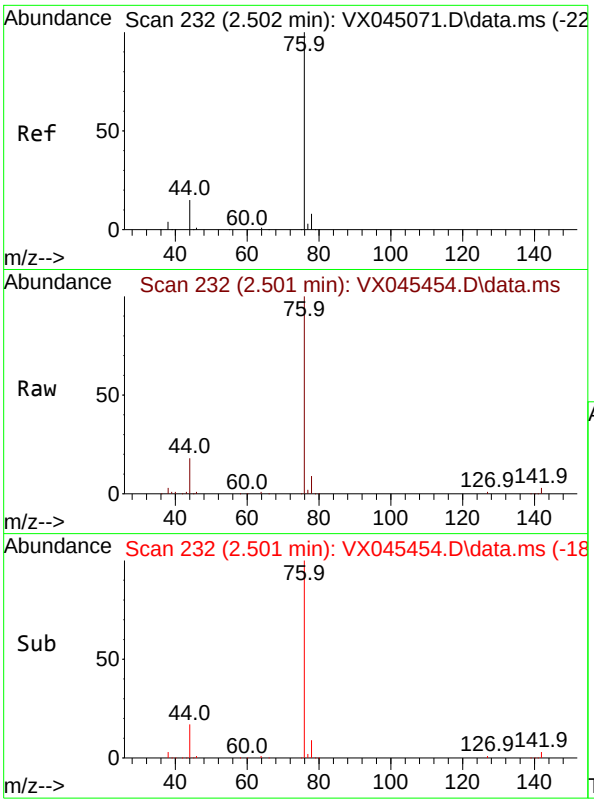


#16
Acetone
Concen: 263.962 ug/l
RT: 2.385 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX045454.D
Acq: 25 Mar 2025 20:37

Tgt Ion: 43 Resp: 156806

Ion	Ratio	Lower	Upper
43	100		
58	28.8	24.2	36.4



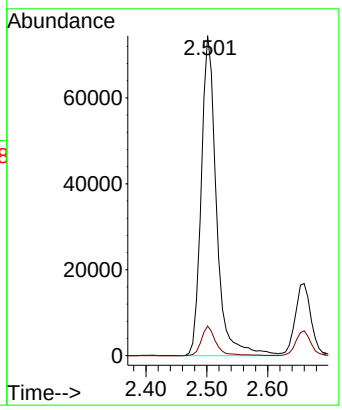


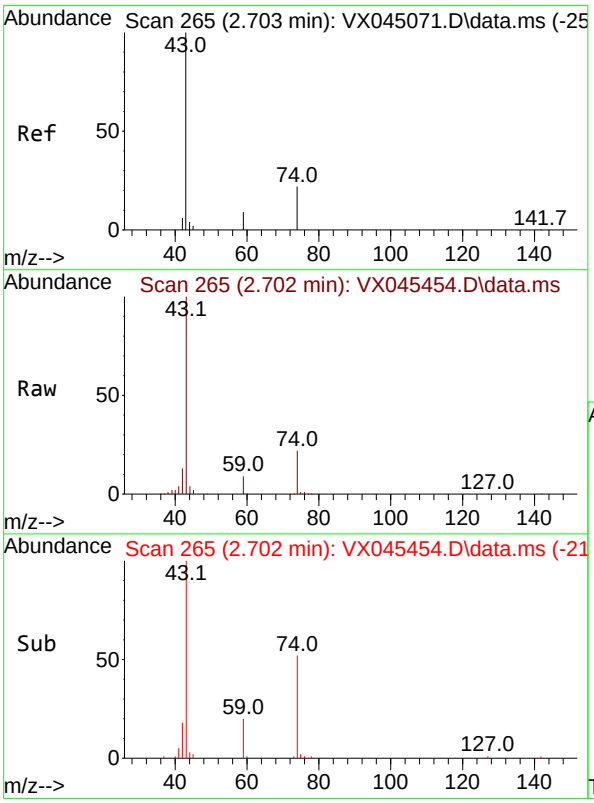
#17
Carbon Disulfide
Concen: 49.084 ug/l
RT: 2.501 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045454.D
Acq: 25 Mar 2025 20:37

Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MSD

Tgt Ion: 76 Resp: 129306

Ion	Ratio	Lower	Upper
76	100		
78	9.2	6.6	9.8

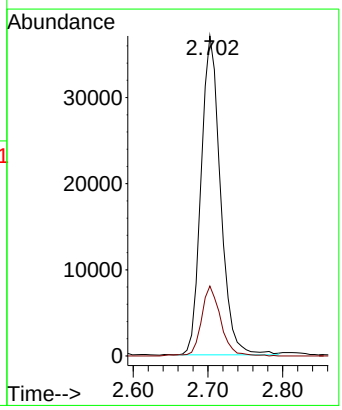


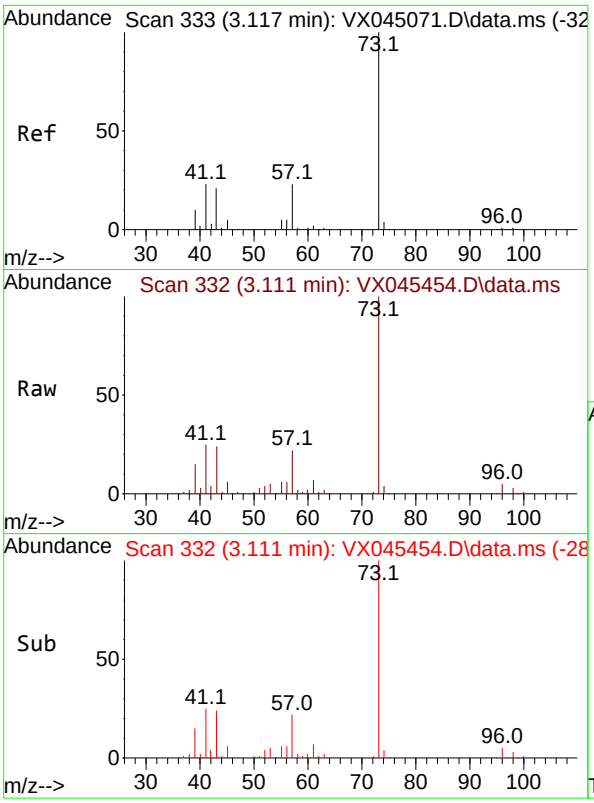


#18
Methyl Acetate
Concen: 46.584 ug/l
RT: 2.702 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX045454.D
Acq: 25 Mar 2025 20:37

Tgt Ion: 43 Resp: 66573

Ion	Ratio	Lower	Upper
43	100		
74	21.9	17.4	26.2



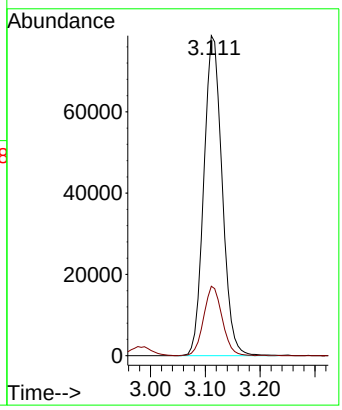


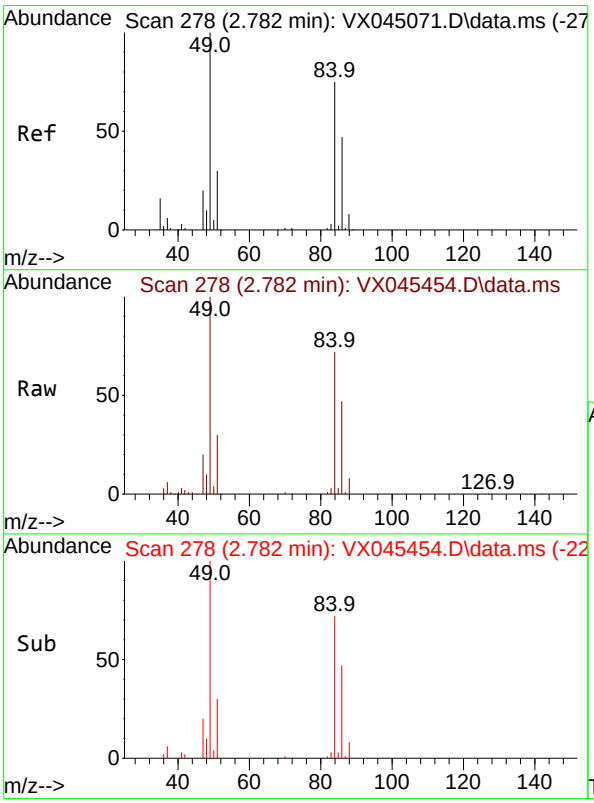
#19
Methyl tert-butyl Ether
Concen: 54.859 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045454.D
Acq: 25 Mar 2025 20:37

Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MSD

Tgt Ion: 73 Resp: 182043

Ion	Ratio	Lower	Upper
73	100		
57	21.7	18.5	27.7

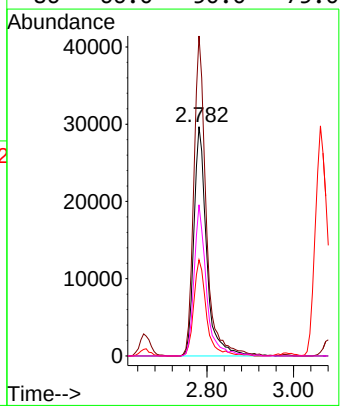


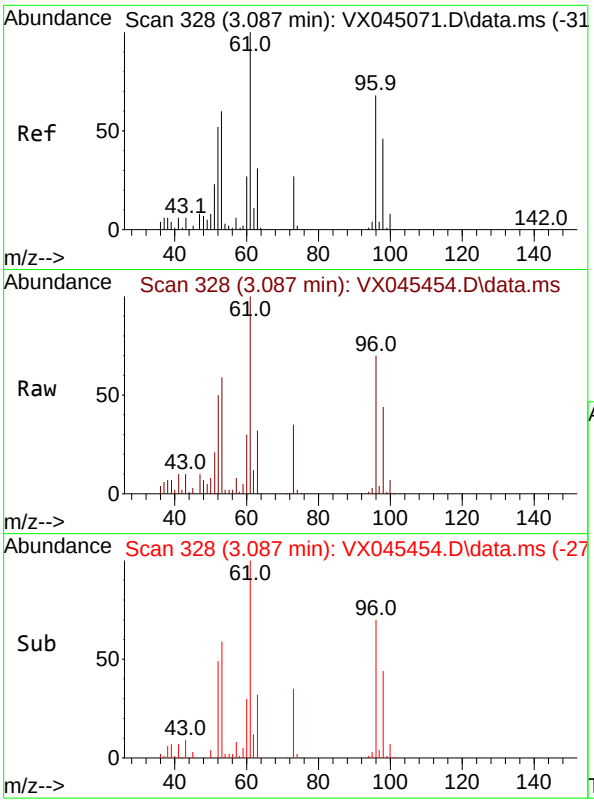


#20
Methylene Chloride
Concen: 51.413 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX045454.D
Acq: 25 Mar 2025 20:37

Tgt Ion: 84 Resp: 60500

Ion	Ratio	Lower	Upper
84	100		
49	139.6	106.5	159.7
51	41.9	32.1	48.1
86	66.0	50.0	75.0



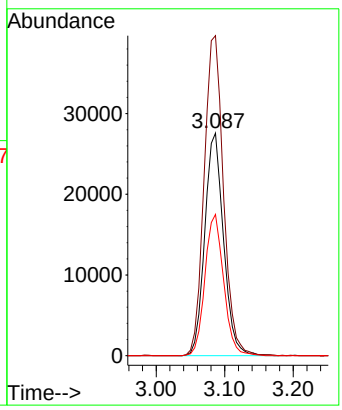


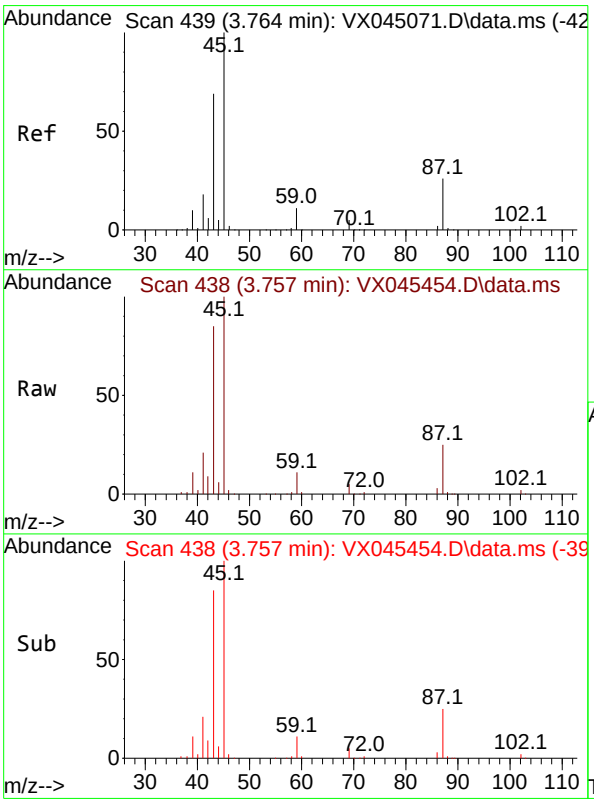
#21
trans-1,2-Dichloroethene
Concen: 53.819 ug/l
RT: 3.087 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045454.D
Acq: 25 Mar 2025 20:37

Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MSD

Tgt Ion: 96 Resp: 52589

Ion	Ratio	Lower	Upper
96	100		
61	143.8	117.0	175.4
98	63.5	53.4	80.2

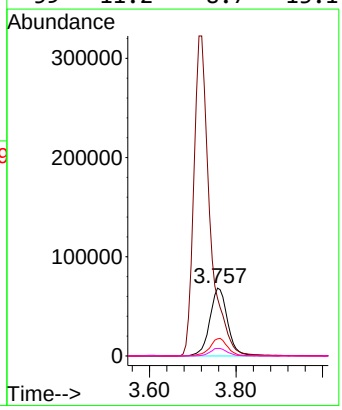


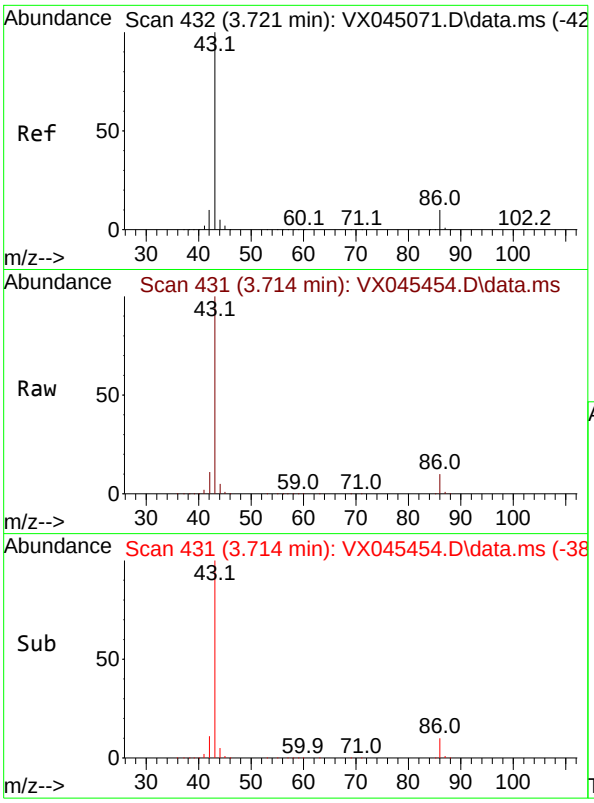


#22
Diisopropyl ether
Concen: 54.509 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.006 min
Lab File: VX045454.D
Acq: 25 Mar 2025 20:37

Tgt Ion: 45 Resp: 195179

Ion	Ratio	Lower	Upper
45	100		
43	84.7	54.9	82.3#
87	25.2	21.0	31.4
59	11.2	8.7	13.1



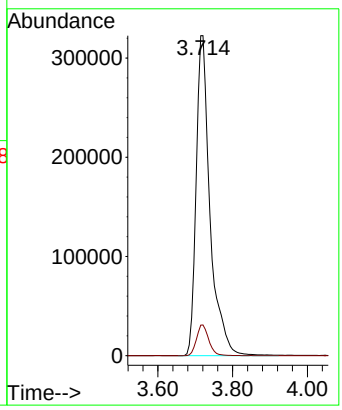


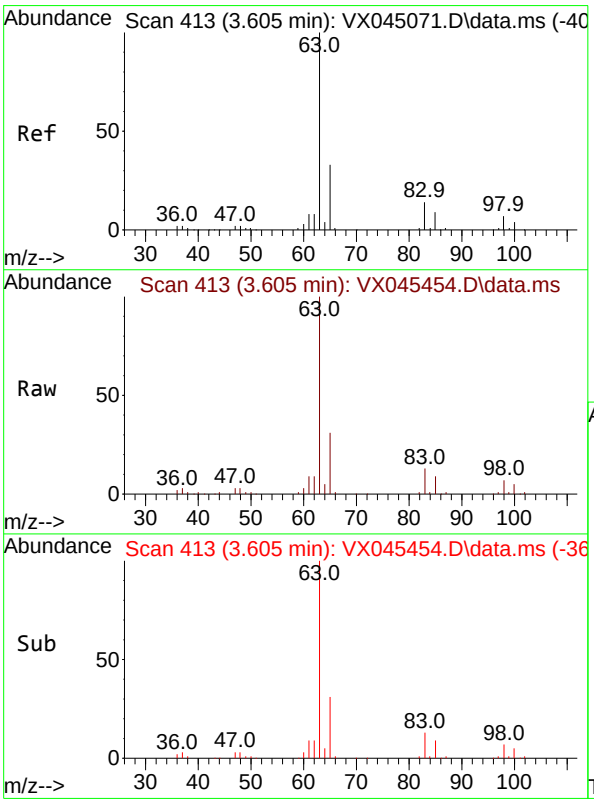
#23
Vinyl Acetate
Concen: 278.193 ug/l
RT: 3.714 min Scan# 4
Delta R.T. -0.006 min
Lab File: VX045454.D
Acq: 25 Mar 2025 20:37

Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MSD

Tgt Ion: 43 Resp: 831269

Ion	Ratio	Lower	Upper
43	100		
86	9.5	8.1	12.1

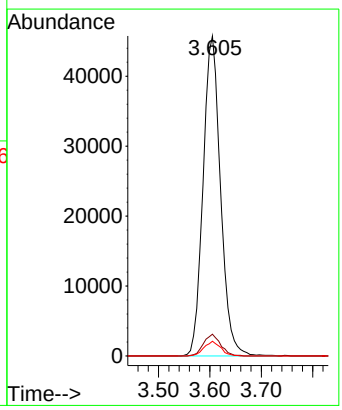


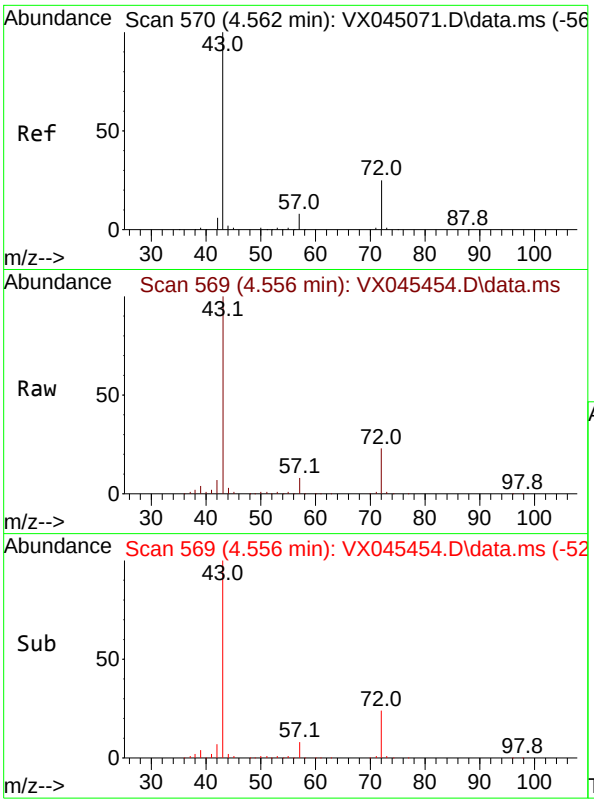


#24
1,1-Dichloroethane
Concen: 53.791 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX045454.D
Acq: 25 Mar 2025 20:37

Tgt Ion: 63 Resp: 107944

Ion	Ratio	Lower	Upper
63	100		
98	6.8	3.4	10.2
100	4.6	2.1	6.5



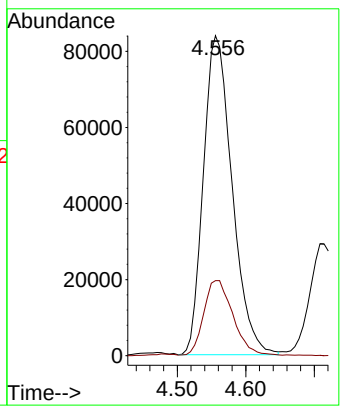


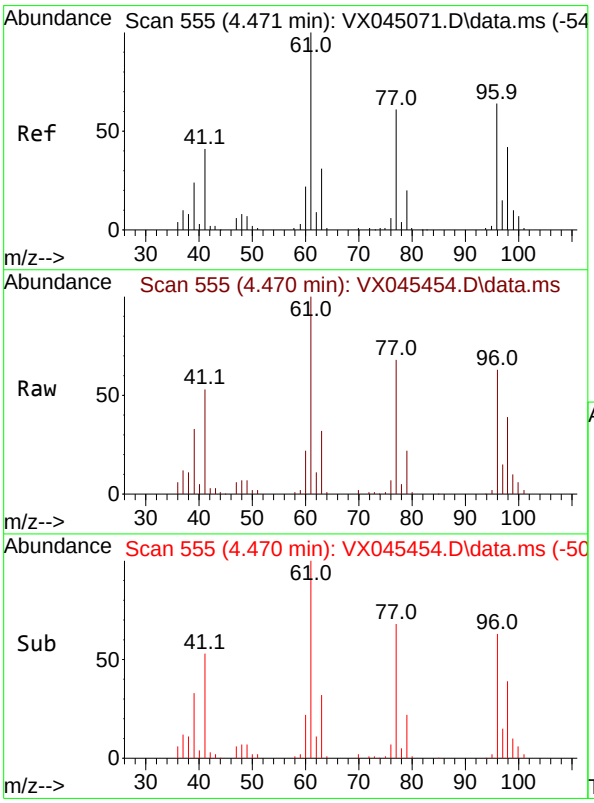
#25
2-Butanone
Concen: 273.114 ug/l
RT: 4.556 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX045454.D
Acq: 25 Mar 2025 20:37

Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MSD

Tgt Ion: 43 Resp: 244215

Ion	Ratio	Lower	Upper
43	100		
72	23.3	20.0	30.0

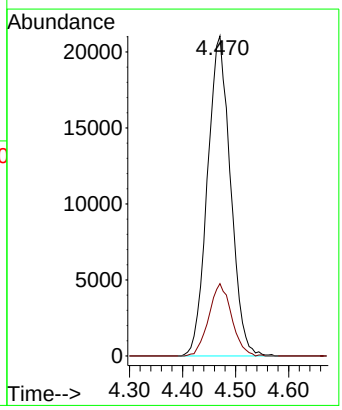


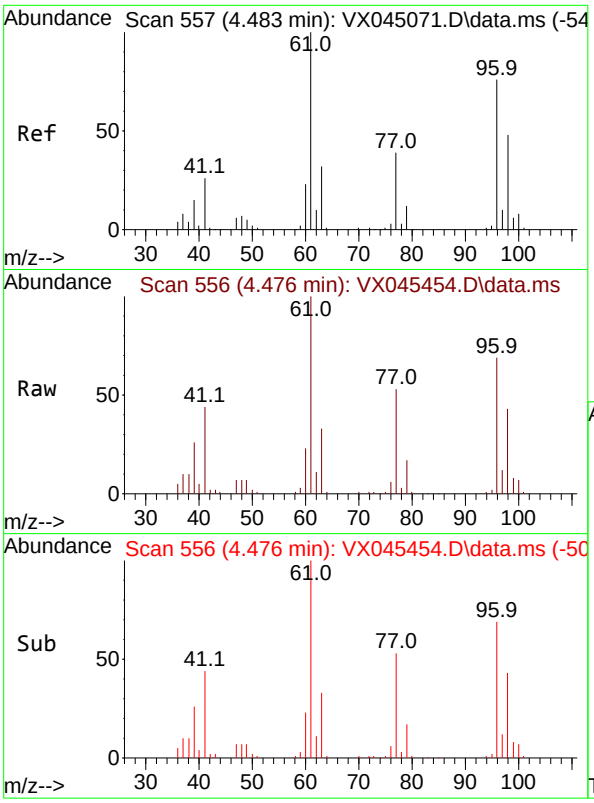


#26
2,2-Dichloropropane
Concen: 67.439 ug/l
RT: 4.470 min Scan# 555
Delta R.T. -0.000 min
Lab File: VX045454.D
Acq: 25 Mar 2025 20:37

Tgt Ion: 77 Resp: 63478

Ion	Ratio	Lower	Upper
77	100		
97	22.5	12.4	37.0



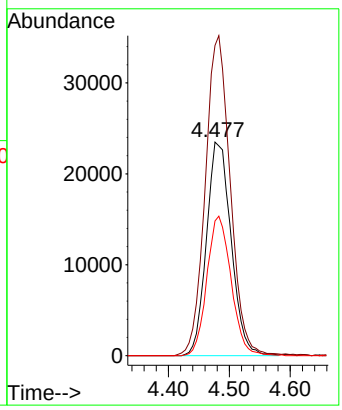


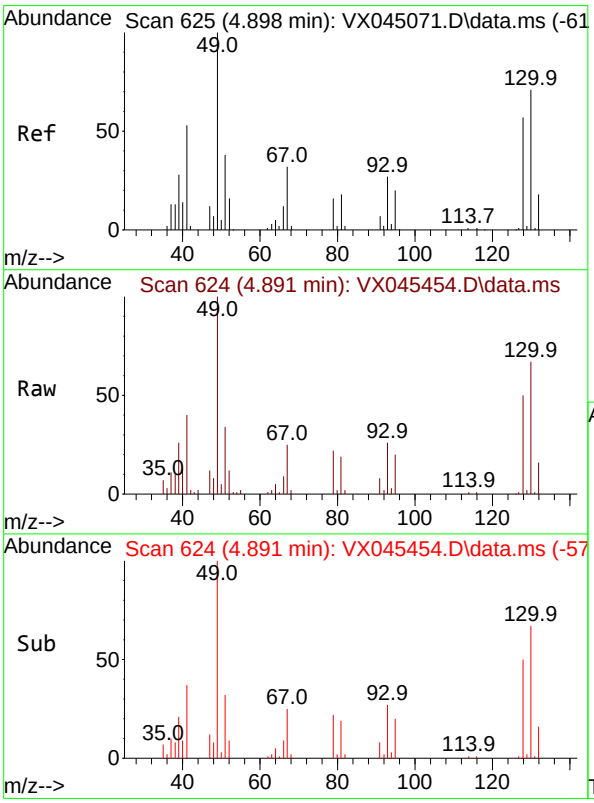
#27
cis-1,2-Dichloroethene
Concen: 54.879 ug/l
RT: 4.476 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX045454.D
Acq: 25 Mar 2025 20:37

Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MSD

Tgt Ion: 96 Resp: 66198

Ion	Ratio	Lower	Upper
96	100		
61	152.2	0.0	283.2
98	64.1	0.0	128.0

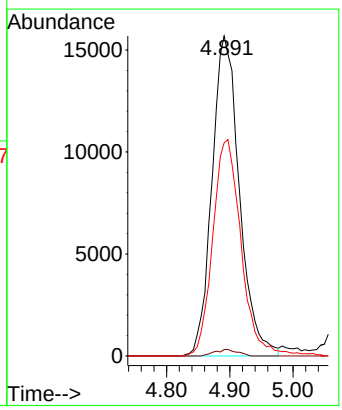


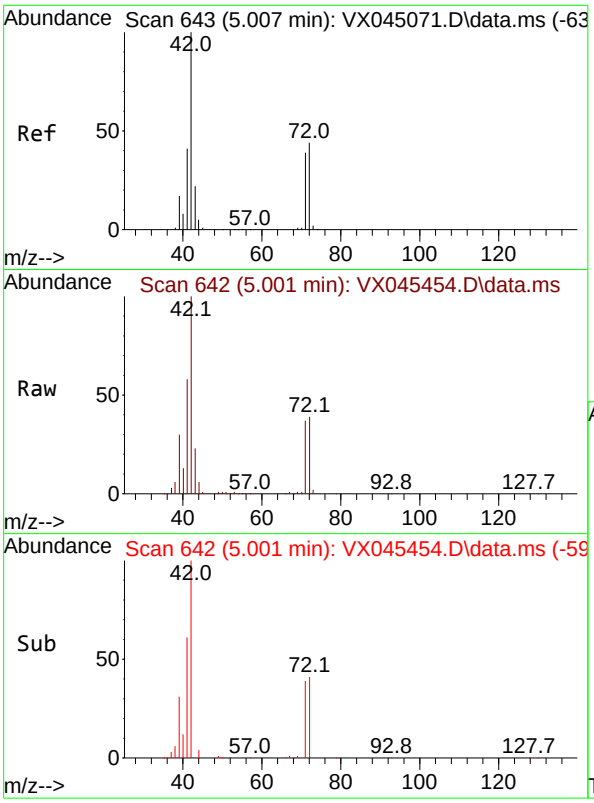


#28
Bromochloromethane
Concen: 49.398 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX045454.D
Acq: 25 Mar 2025 20:37

Tgt Ion: 49 Resp: 47249

Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.4
130	70.1	56.1	84.1



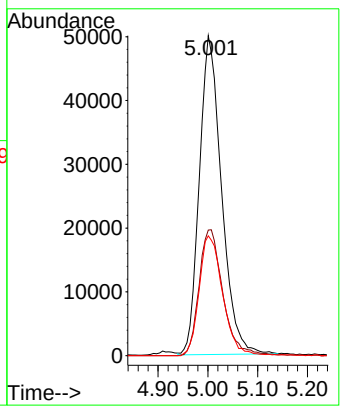


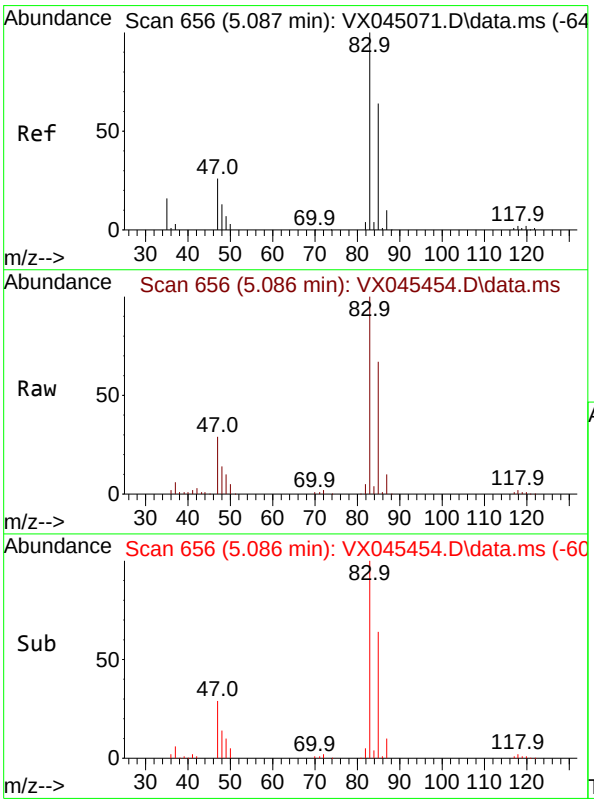
#29
Tetrahydrofuran
Concen: 257.569 ug/l
RT: 5.001 min Scan# 64
Delta R.T. -0.006 min
Lab File: VX045454.D
Acq: 25 Mar 2025 20:37

Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MSD

Tgt Ion: 42 Resp: 154668

Ion	Ratio	Lower	Upper
42	100		
72	42.3	34.1	51.1
71	39.7	31.4	47.0

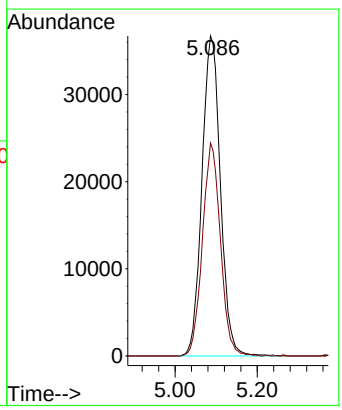


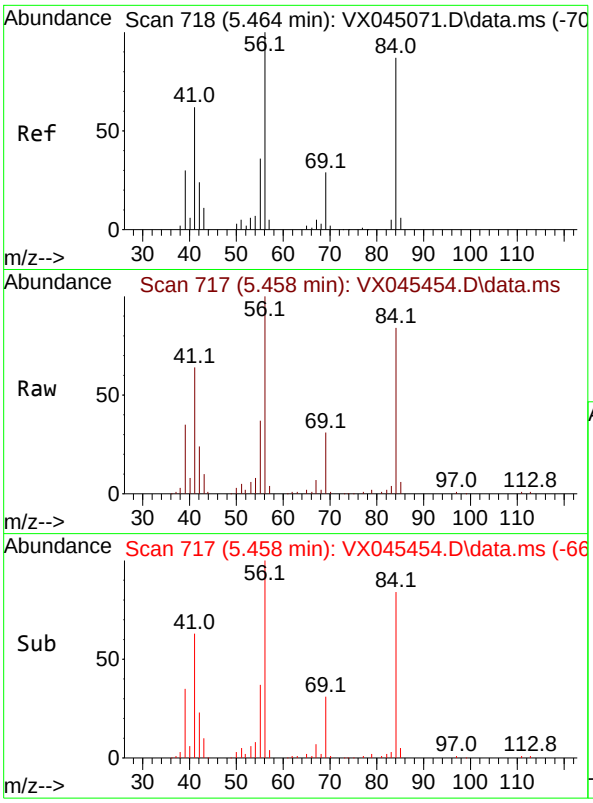


#30
Chloroform
Concen: 57.384 ug/l
RT: 5.086 min Scan# 656
Delta R.T. -0.000 min
Lab File: VX045454.D
Acq: 25 Mar 2025 20:37

Tgt Ion: 83 Resp: 114418

Ion	Ratio	Lower	Upper
83	100		
85	66.5	51.4	77.2



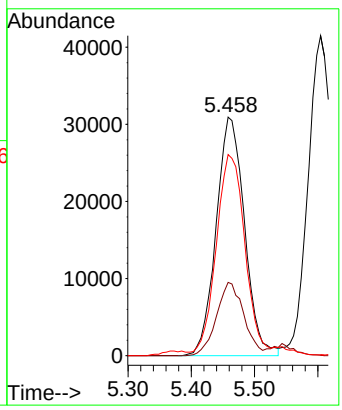


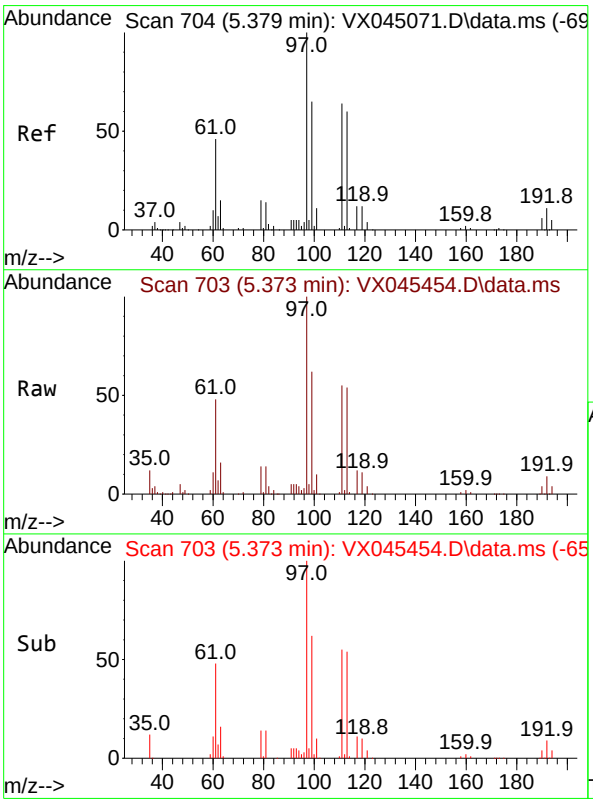
#31
Cyclohexane
Concen: 55.352 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045454.D
Acq: 25 Mar 2025 20:37

Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MSD

Tgt Ion: 56 Resp: 96420

Ion	Ratio	Lower	Upper
56	100		
69	30.7	23.4	35.2
84	82.7	69.4	104.2

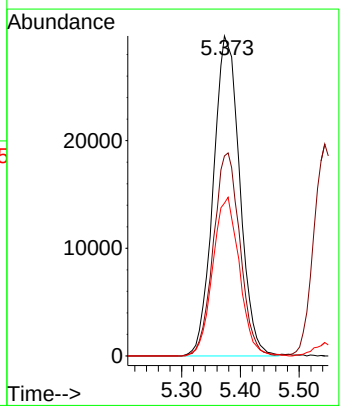


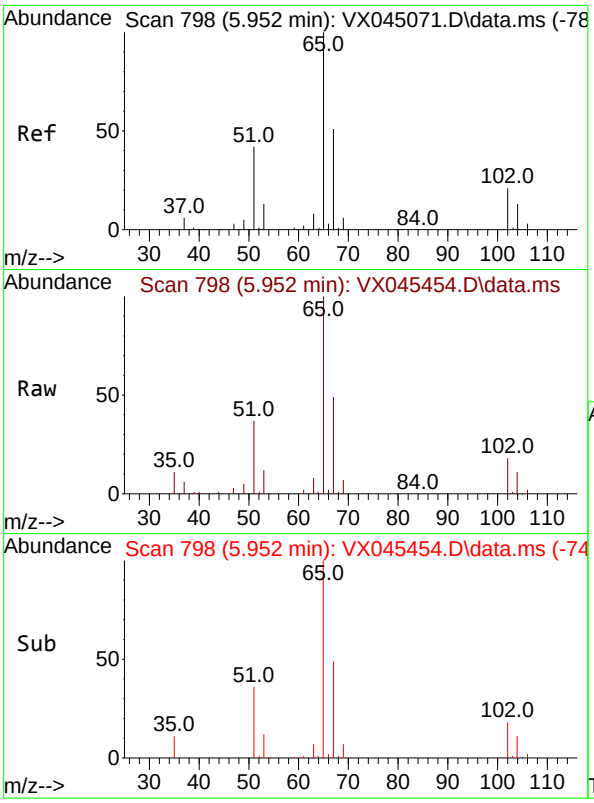


#32
1,1,1-Trichloroethane
Concen: 57.630 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.006 min
Lab File: VX045454.D
Acq: 25 Mar 2025 20:37

Tgt Ion: 97 Resp: 92807

Ion	Ratio	Lower	Upper
97	100		
99	63.7	51.6	77.4
61	50.1	38.4	57.6



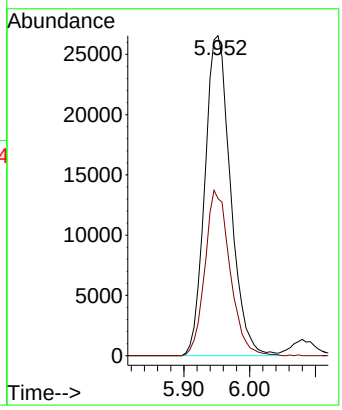


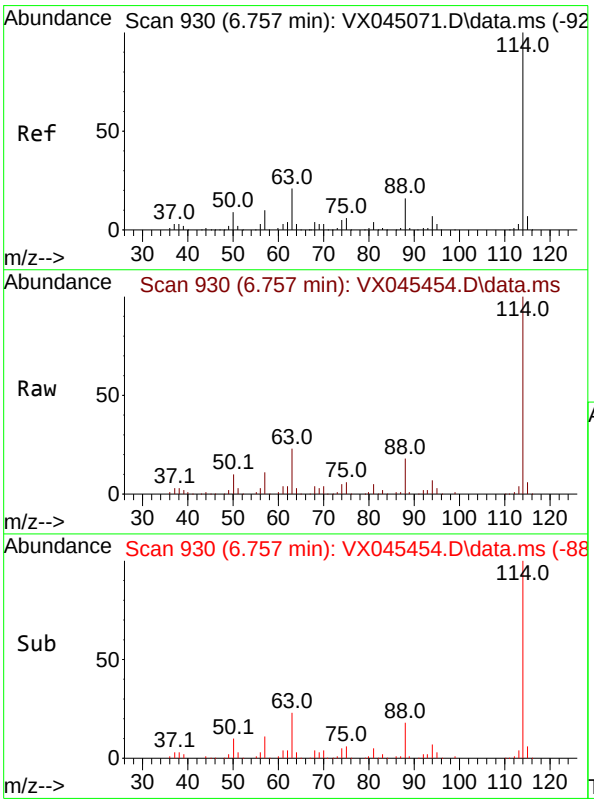
#33
1,2-Dichloroethane-d4
Concen: 56.293 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045454.D
Acq: 25 Mar 2025 20:37

Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MSD

Tgt Ion: 65 Resp: 72075

Ion	Ratio	Lower	Upper
65	100		
67	50.5	0.0	106.2

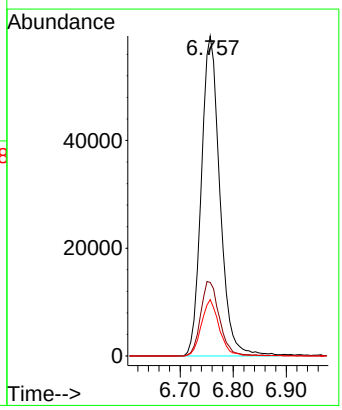


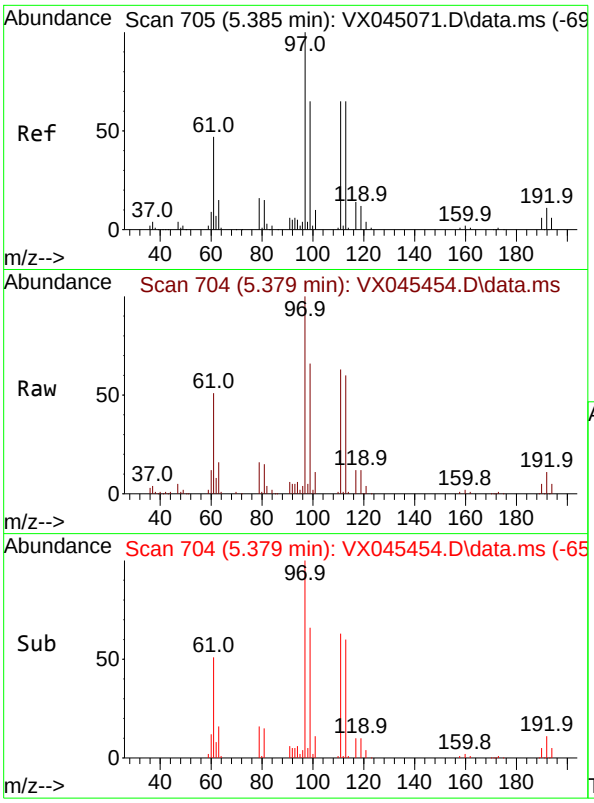


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX045454.D
Acq: 25 Mar 2025 20:37

Tgt Ion:114 Resp: 144565

Ion	Ratio	Lower	Upper
114	100		
63	23.0	0.0	41.8
88	17.6	0.0	32.8



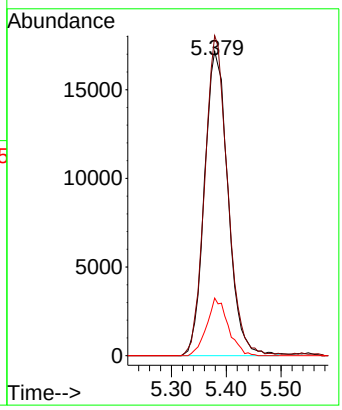


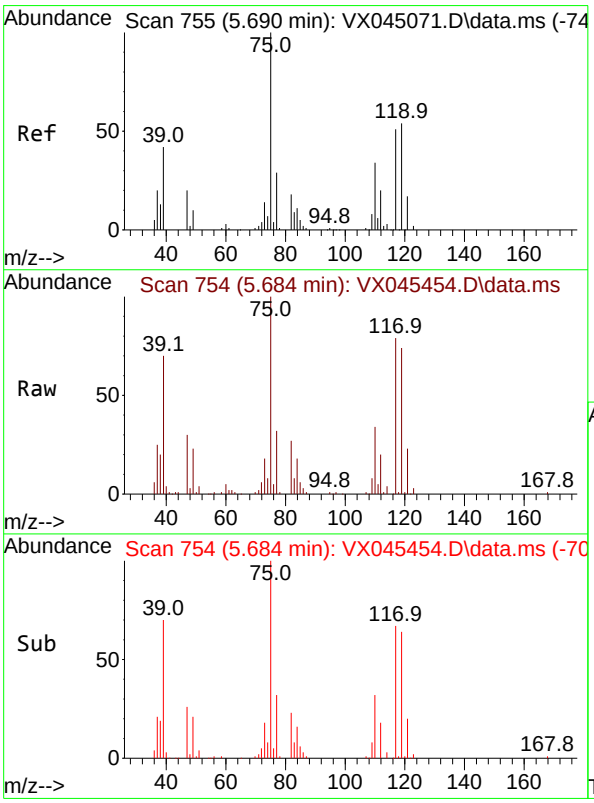
#35
Dibromofluoromethane
Concen: 52.990 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045454.D
Acq: 25 Mar 2025 20:37

Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MSD

Tgt Ion:113 Resp: 51224

Ion	Ratio	Lower	Upper
113	100		
111	102.6	81.8	122.6
192	17.2	14.3	21.5

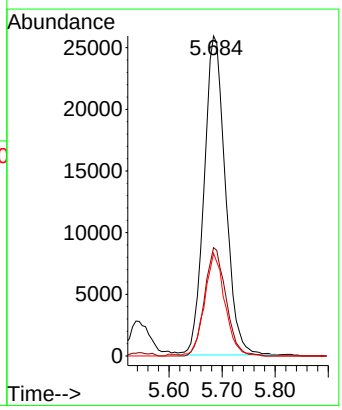


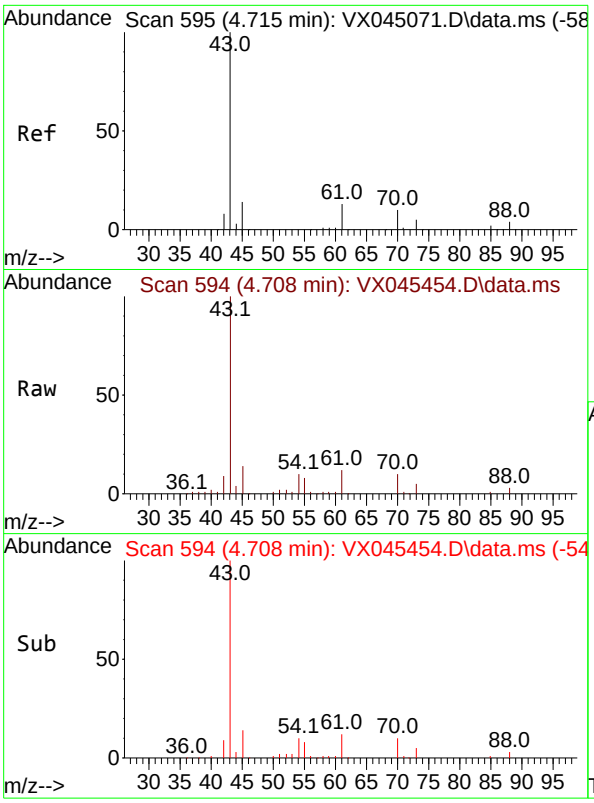


#36
1,1-Dichloropropene
Concen: 54.441 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX045454.D
Acq: 25 Mar 2025 20:37

Tgt Ion: 75 Resp: 72172

Ion	Ratio	Lower	Upper
75	100		
110	33.9	16.9	50.6
77	30.8	24.5	36.7



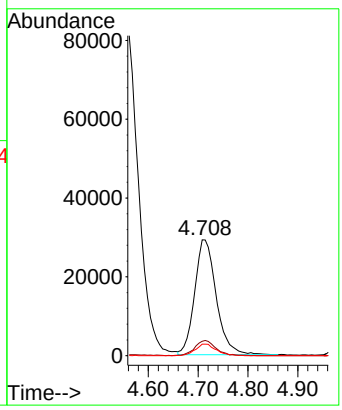


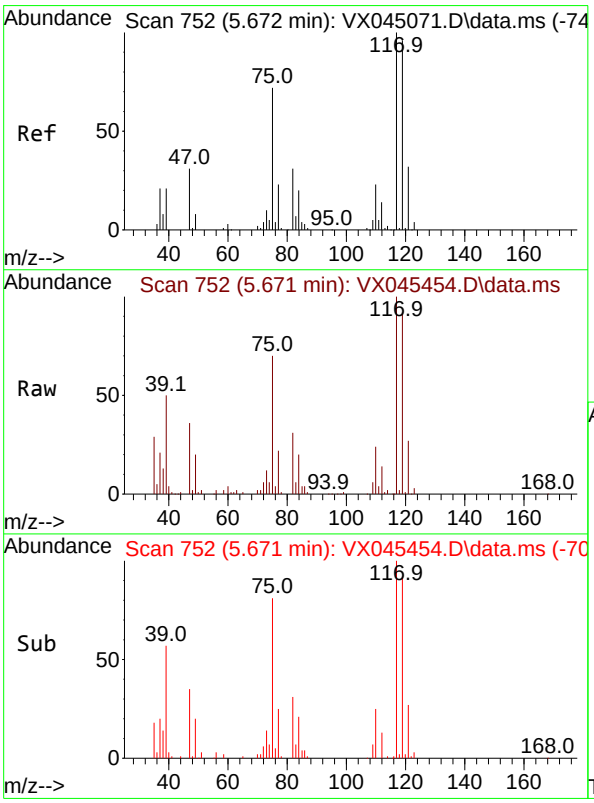
#37
Ethyl Acetate
Concen: 51.453 ug/l
RT: 4.708 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX045454.D
Acq: 25 Mar 2025 20:37

Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MSD

Tgt Ion: 43 Resp: 87894

Ion	Ratio	Lower	Upper
43	100		
61	12.9	10.8	16.2
70	9.7	7.7	11.5

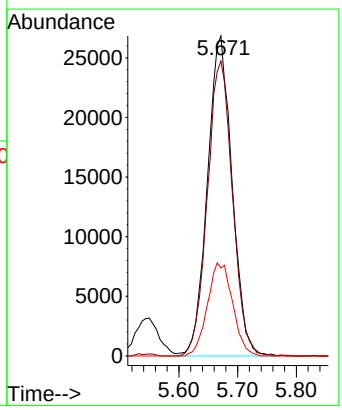


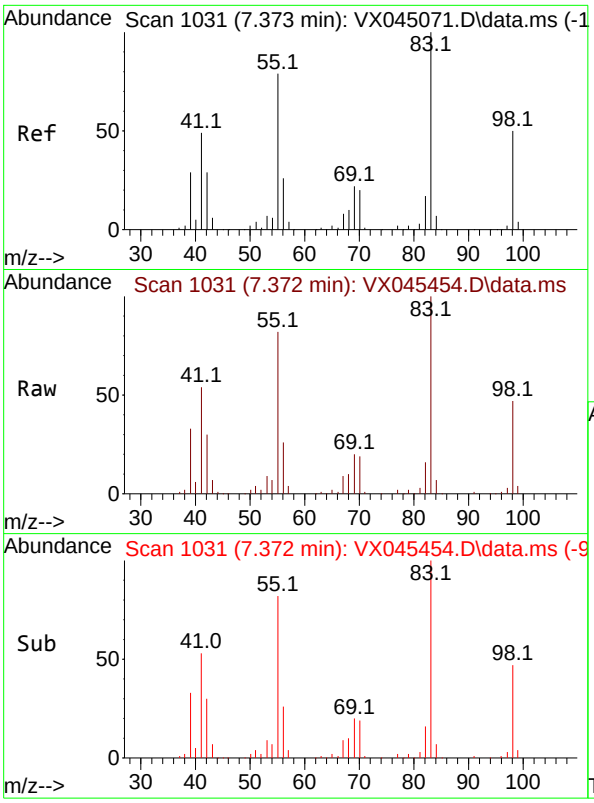


#38
Carbon Tetrachloride
Concen: 58.070 ug/l
RT: 5.671 min Scan# 752
Delta R.T. -0.000 min
Lab File: VX045454.D
Acq: 25 Mar 2025 20:37

Tgt Ion:117 Resp: 78156

Ion	Ratio	Lower	Upper
117	100		
119	92.2	76.7	115.1
121	27.5	25.5	38.3



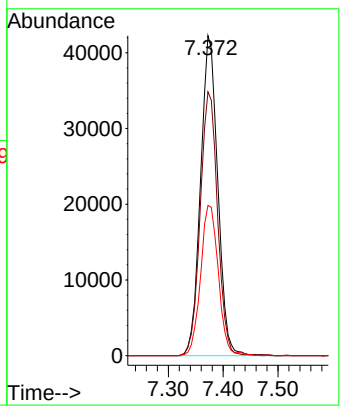


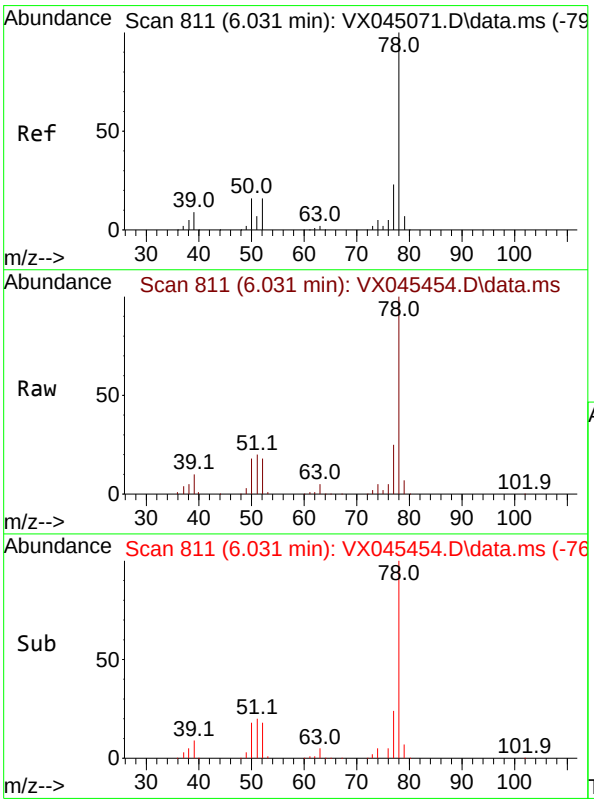
#39
Methylcyclohexane
Concen: 57.921 ug/l
RT: 7.372 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045454.D
Acq: 25 Mar 2025 20:37

Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MSD

Tgt Ion: 83 Resp: 92006

Ion	Ratio	Lower	Upper
83	100		
55	82.5	63.0	94.4
98	46.9	39.7	59.5

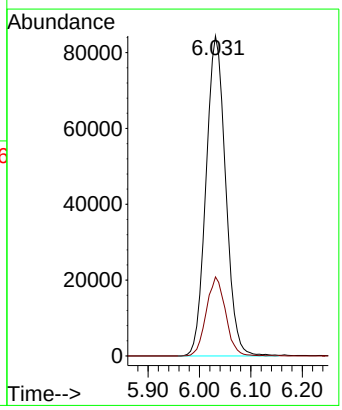


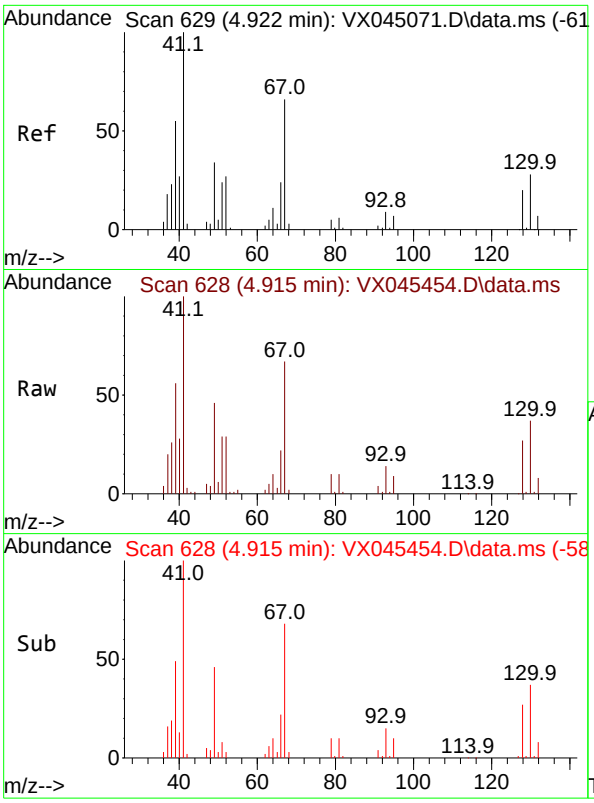


#40
Benzene
Concen: 53.436 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX045454.D
Acq: 25 Mar 2025 20:37

Tgt Ion: 78 Resp: 223694

Ion	Ratio	Lower	Upper
78	100		
77	24.7	18.8	28.2



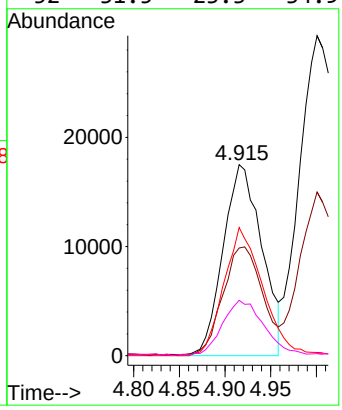


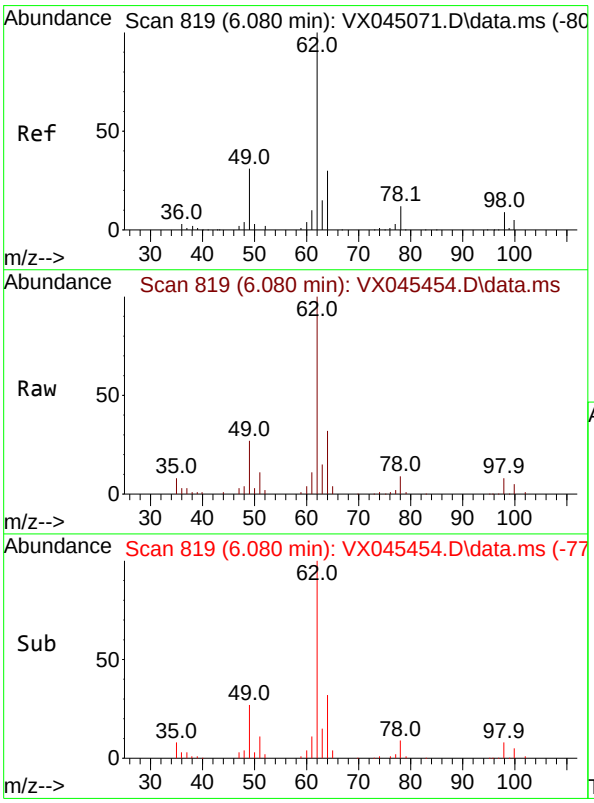
#41
Methacrylonitrile
Concen: 55.883 ug/l
RT: 4.915 min Scan# 6
Delta R.T. -0.006 min
Lab File: VX045454.D
Acq: 25 Mar 2025 20:37

Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MSD

Tgt Ion: 41 Resp: 51618

Ion	Ratio	Lower	Upper
41	100		
39	57.3	44.6	67.0
67	68.1	53.9	80.9
52	31.5	23.3	34.9

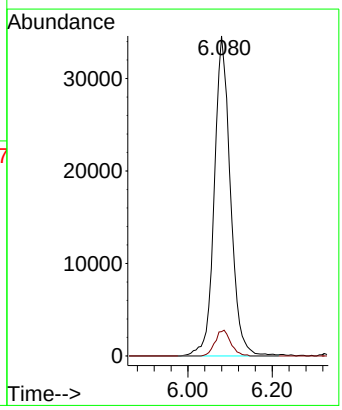


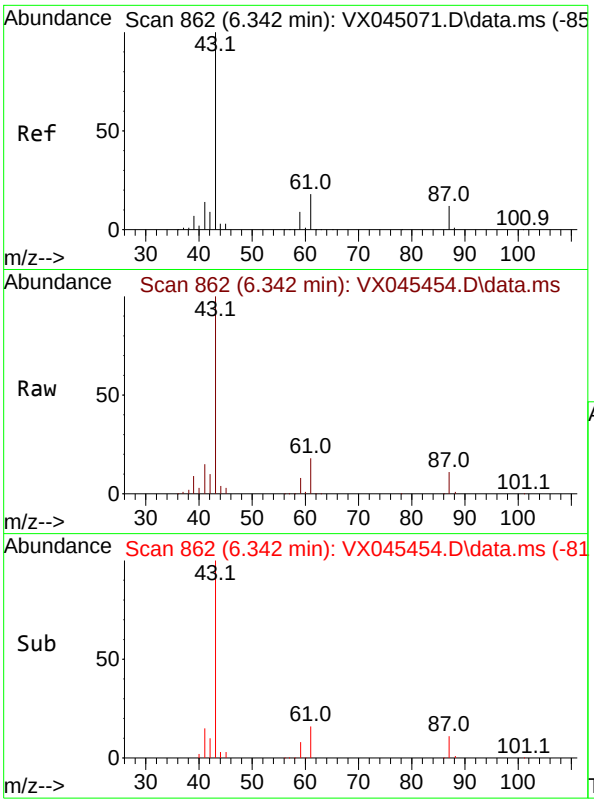


#42
1,2-Dichloroethane
Concen: 60.846 ug/l
RT: 6.080 min Scan# 819
Delta R.T. -0.000 min
Lab File: VX045454.D
Acq: 25 Mar 2025 20:37

Tgt Ion: 62 Resp: 91723

Ion	Ratio	Lower	Upper
62	100		
98	7.8	0.0	18.2



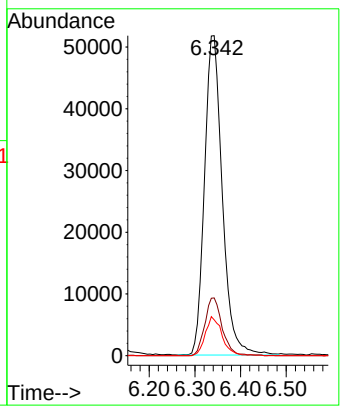


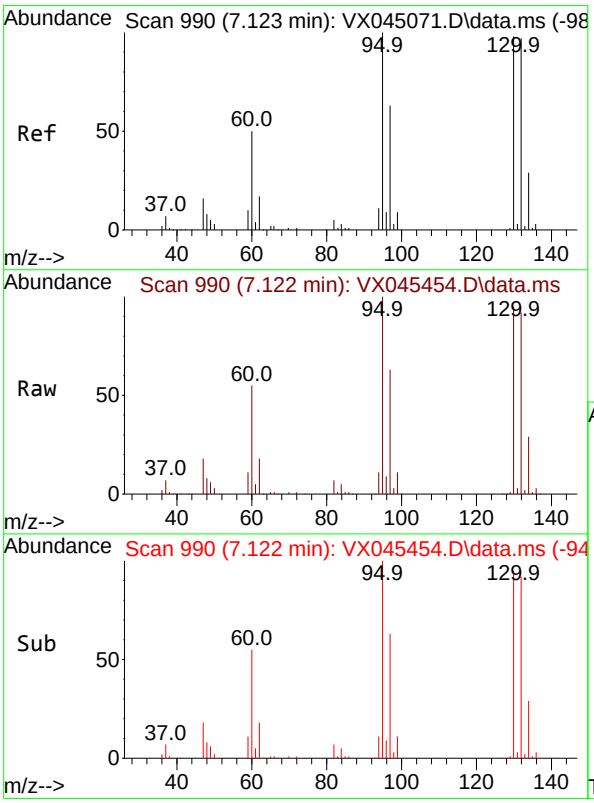
#43
Isopropyl Acetate
Concen: 55.384 ug/l
RT: 6.342 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045454.D
Acq: 25 Mar 2025 20:37

Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MSD

Tgt Ion: 43 Resp: 139900

Ion	Ratio	Lower	Upper
43	100		
61	17.7	14.9	22.3
87	11.6	9.4	14.2

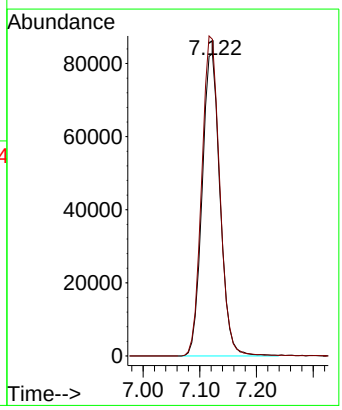


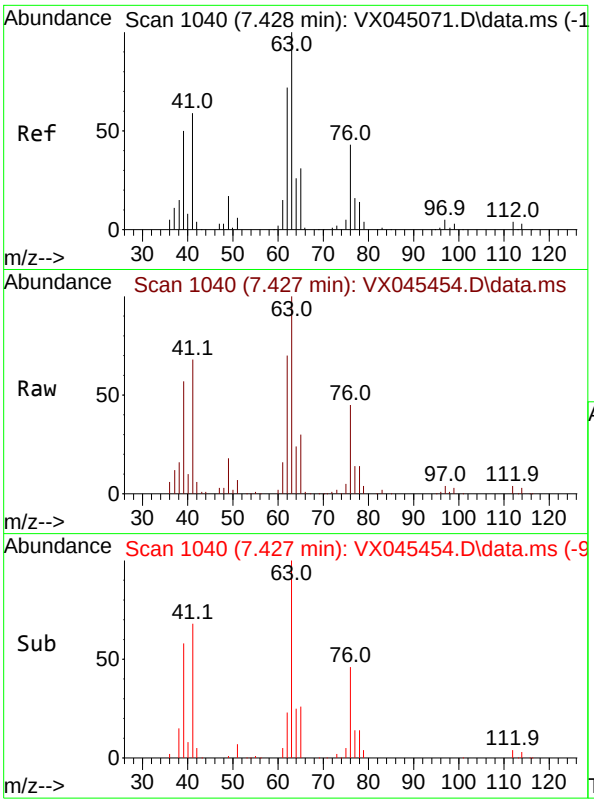


#44
Trichloroethene
Concen: 185.246 ug/l
RT: 7.122 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX045454.D
Acq: 25 Mar 2025 20:37

Tgt Ion:130 Resp: 182090

Ion	Ratio	Lower	Upper
130	100		
95	104.8	0.0	205.0



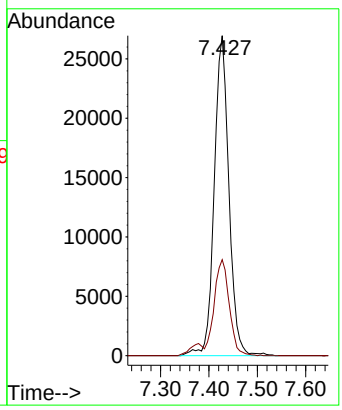


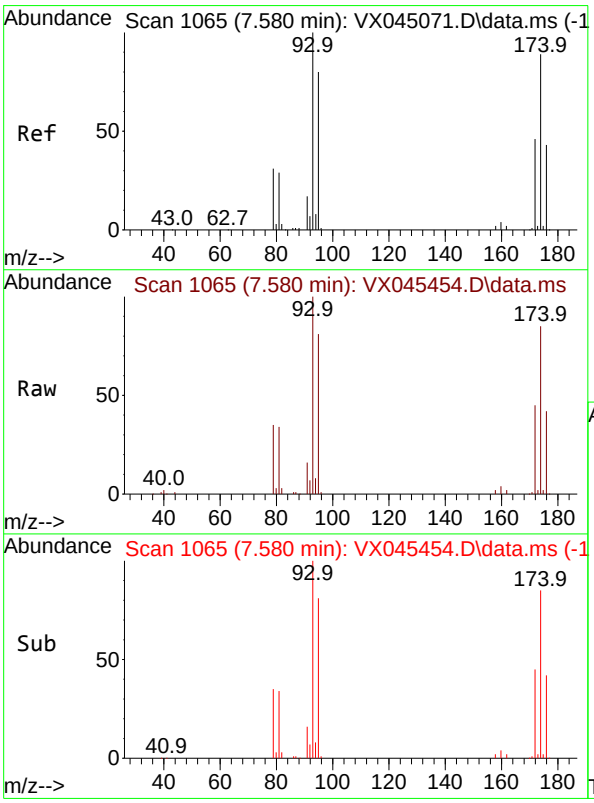
#45
1,2-Dichloropropane
Concen: 52.730 ug/l
RT: 7.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045454.D
Acq: 25 Mar 2025 20:37

Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MSD

Tgt Ion: 63 Resp: 56754

Ion	Ratio	Lower	Upper
63	100		
65	30.0	24.7	37.1

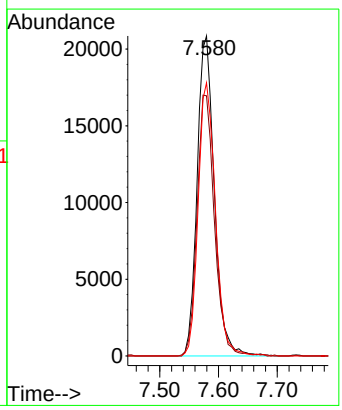


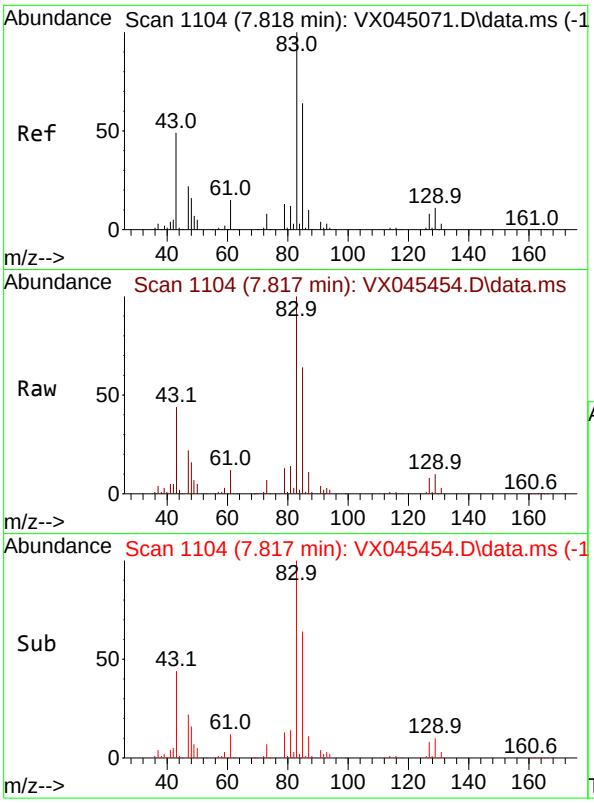


#46
Dibromomethane
Concen: 55.809 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VX045454.D
Acq: 25 Mar 2025 20:37

Tgt Ion: 93 Resp: 42457

Ion	Ratio	Lower	Upper
93	100		
95	82.6	65.8	98.8
174	85.4	72.2	108.2



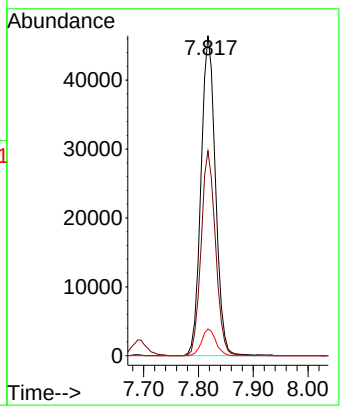


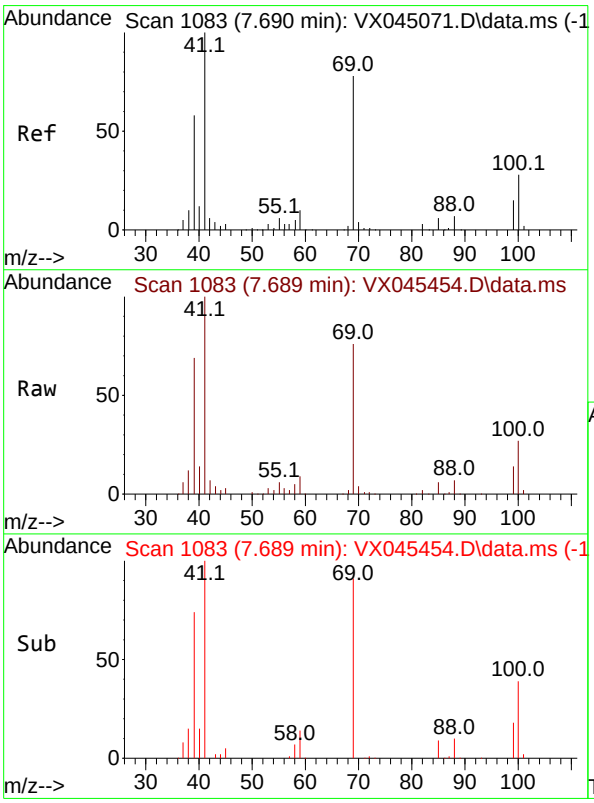
#47
Bromodichloromethane
Concen: 57.051 ug/l
RT: 7.817 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045454.D
Acq: 25 Mar 2025 20:37

Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MSD

Tgt Ion: 83 Resp: 85131

Ion	Ratio	Lower	Upper
83	100		
85	64.0	51.1	76.7
127	8.3	6.4	9.6

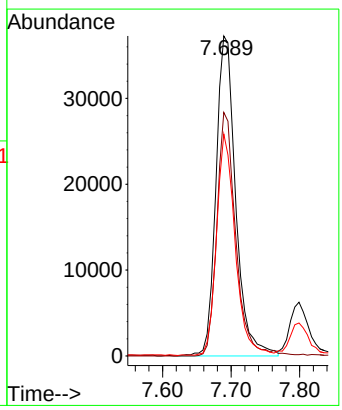


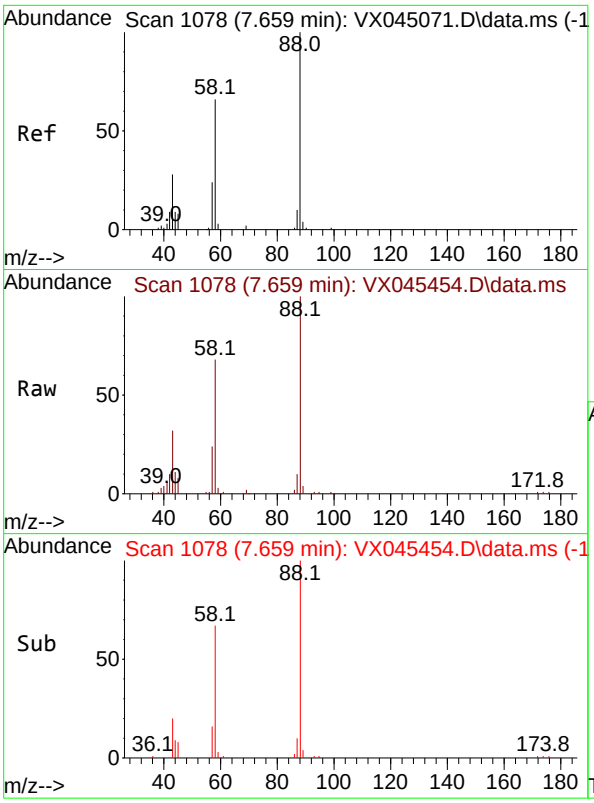


#48
Methyl methacrylate
Concen: 58.769 ug/l
RT: 7.689 min Scan# 1083
Delta R.T. -0.000 min
Lab File: VX045454.D
Acq: 25 Mar 2025 20:37

Tgt Ion: 41 Resp: 74476

Ion	Ratio	Lower	Upper
41	100		
69	72.9	63.0	94.6
39	65.6	47.5	71.3



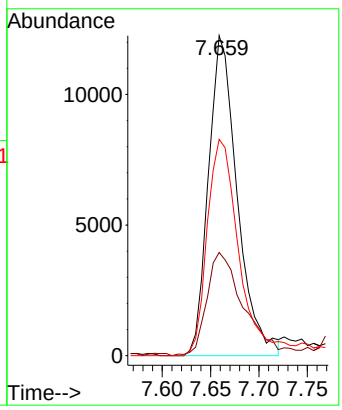


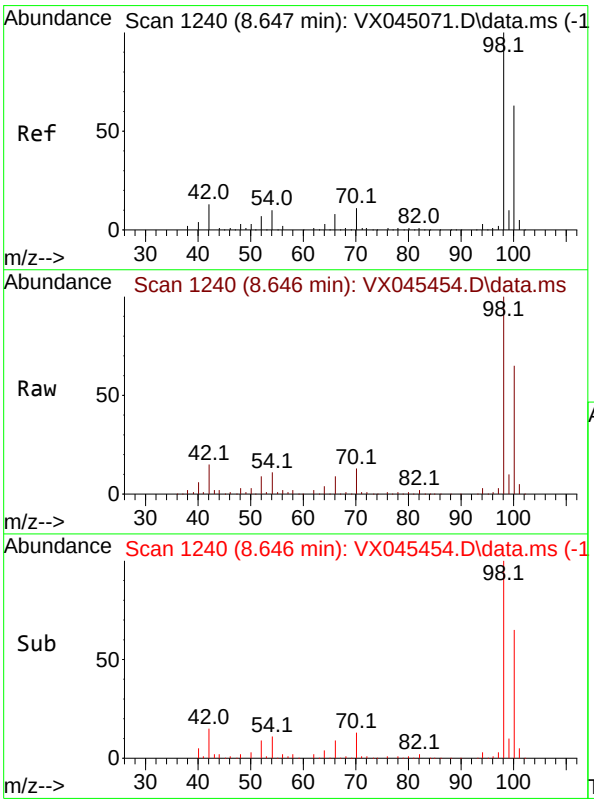
#49
1,4-Dioxane
Concen: 951.681 ug/l
RT: 7.659 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045454.D
Acq: 25 Mar 2025 20:37

Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MSD

Tgt Ion: 88 Resp: 25440

Ion	Ratio	Lower	Upper
88	100		
43	41.4	28.7	43.1
58	74.8	55.8	83.8

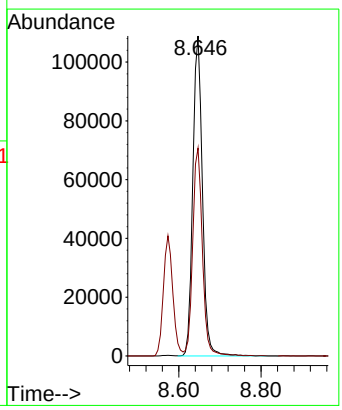


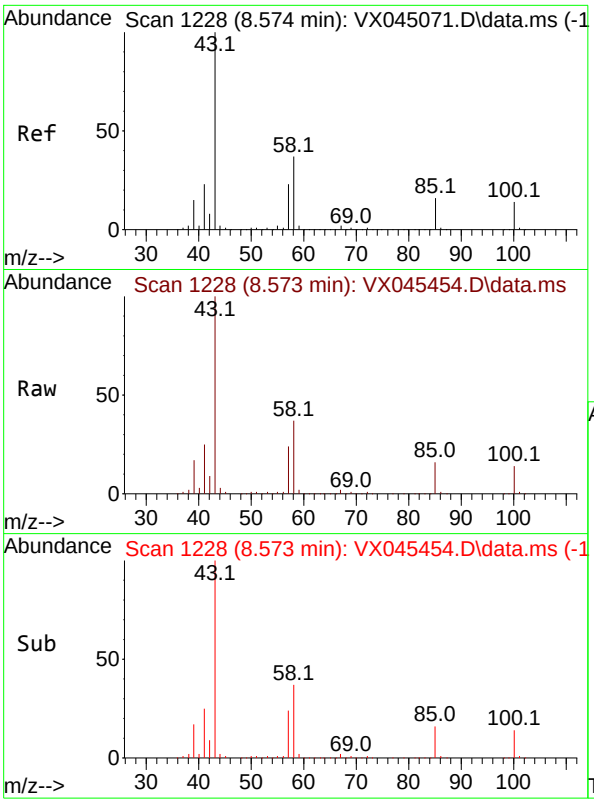


#50
Toluene-d8
Concen: 50.474 ug/l
RT: 8.646 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045454.D
Acq: 25 Mar 2025 20:37

Tgt Ion: 98 Resp: 176887

Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.0	78.0



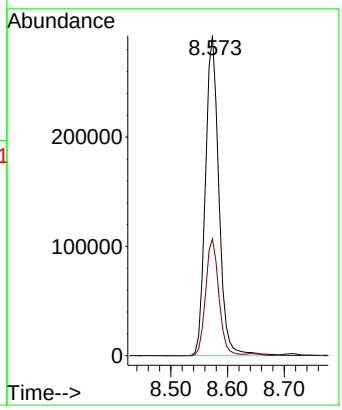


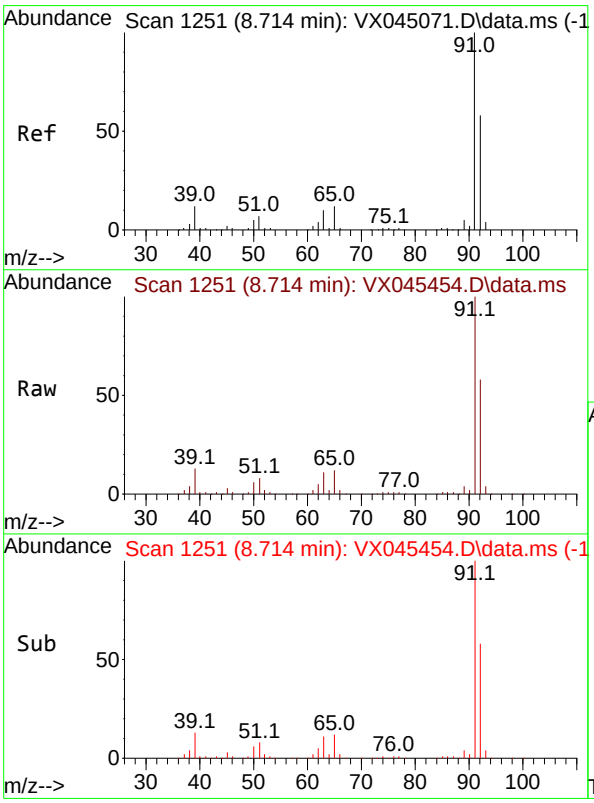
#51
4-Methyl-2-Pentanone
Concen: 284.646 ug/l
RT: 8.573 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045454.D
Acq: 25 Mar 2025 20:37

Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MSD

Tgt Ion: 43 Resp: 482778

Ion	Ratio	Lower	Upper
43	100		
58	35.8	29.2	43.8

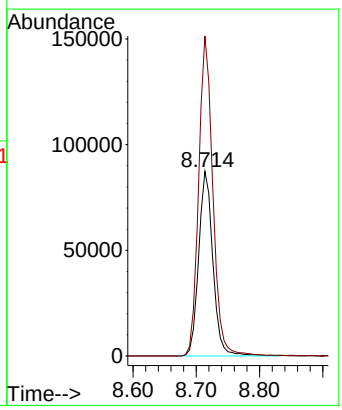


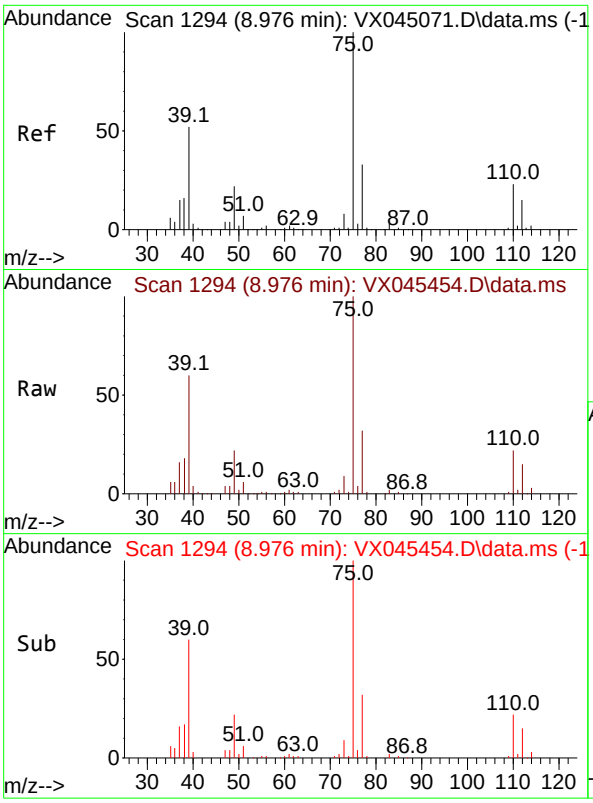


#52
Toluene
Concen: 55.800 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX045454.D
Acq: 25 Mar 2025 20:37

Tgt Ion: 92 Resp: 137053

Ion	Ratio	Lower	Upper
92	100		
91	173.7	138.9	208.3



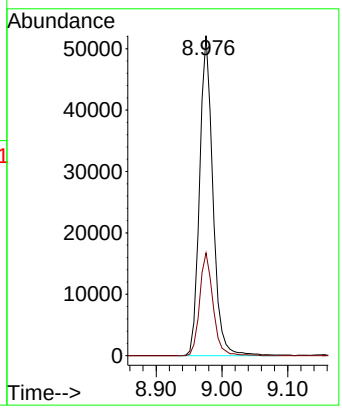


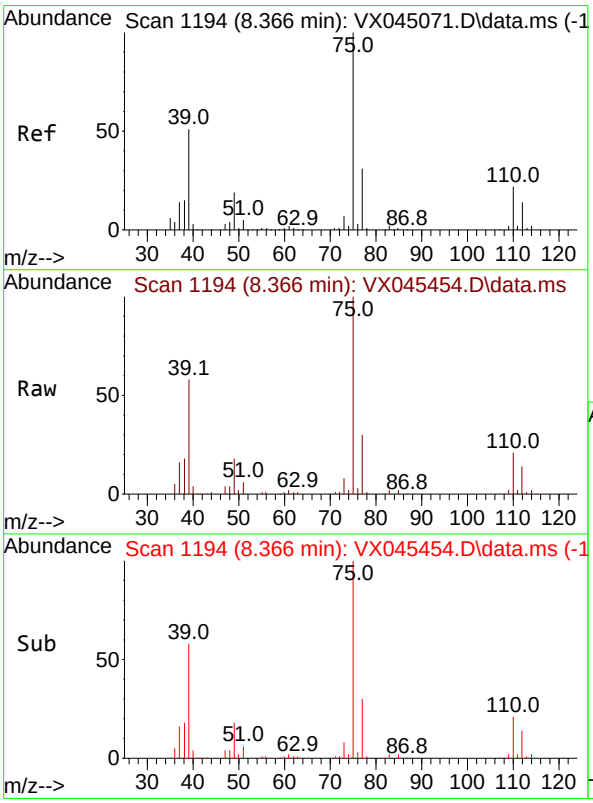
#53
t-1,3-Dichloropropene
Concen: 58.788 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045454.D
Acq: 25 Mar 2025 20:37

Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MSD

Tgt Ion: 75 Resp: 73337

Ion	Ratio	Lower	Upper
75	100		
77	32.1	26.5	39.7

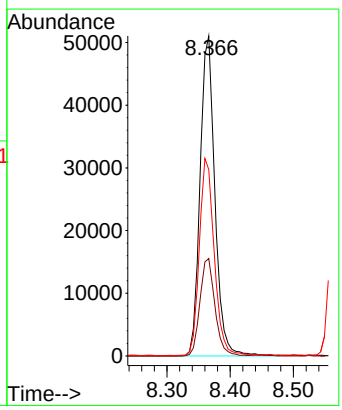


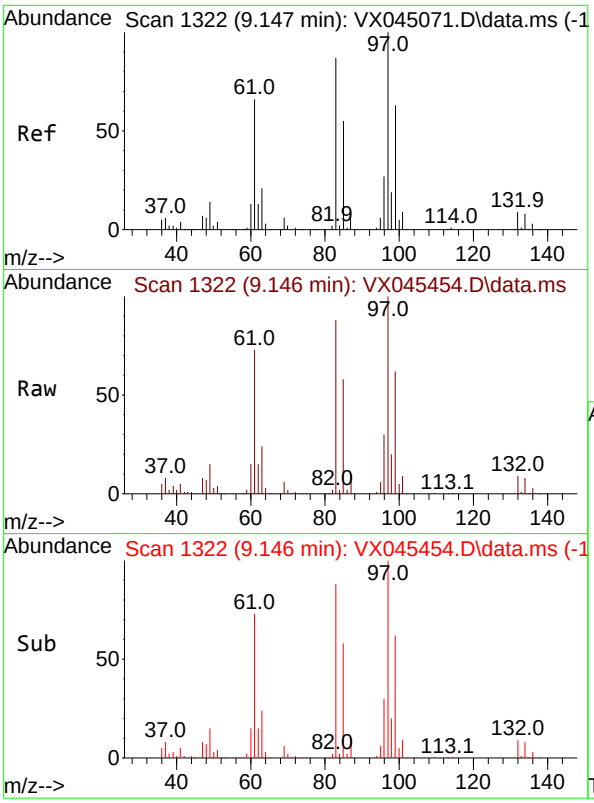


#54
cis-1,3-Dichloropropene
Concen: 57.263 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. -0.000 min
Lab File: VX045454.D
Acq: 25 Mar 2025 20:37

Tgt Ion: 75 Resp: 83300

Ion	Ratio	Lower	Upper
75	100		
77	30.5	24.7	37.1
39	58.0	40.7	61.1



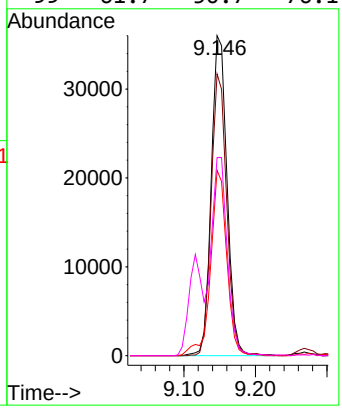


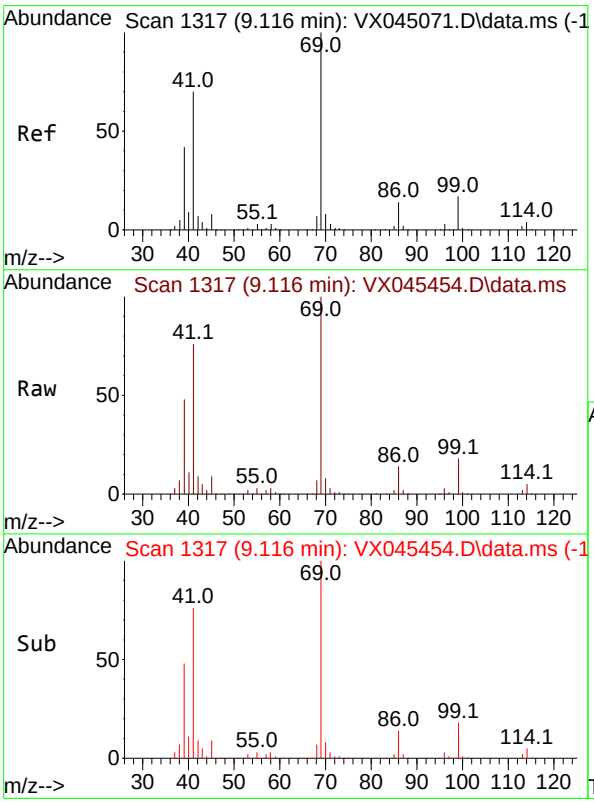
#55
1,1,2-Trichloroethane
Concen: 54.465 ug/l
RT: 9.146 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045454.D
Acq: 25 Mar 2025 20:37

Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MSD

Tgt Ion: 97 Resp: 55071

Ion	Ratio	Lower	Upper
97	100		
83	88.0	69.4	104.2
85	57.9	44.1	66.1
99	61.7	50.7	76.1

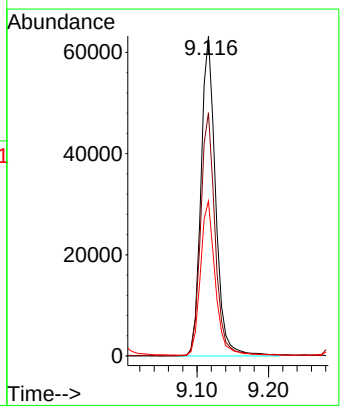


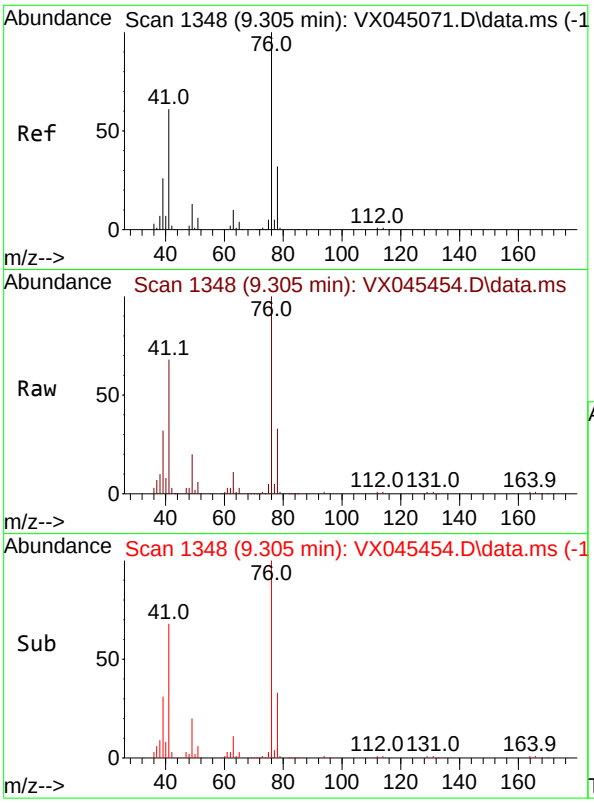


#56
Ethyl methacrylate
Concen: 58.440 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX045454.D
Acq: 25 Mar 2025 20:37

Tgt Ion: 69 Resp: 89821

Ion	Ratio	Lower	Upper
69	100		
41	76.6	57.0	85.4
39	48.9	34.2	51.4



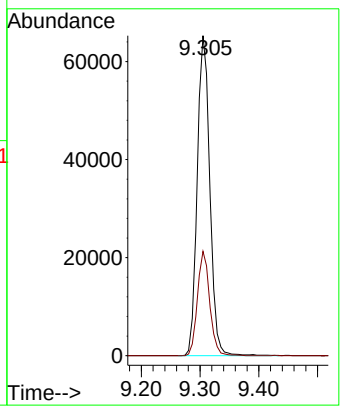


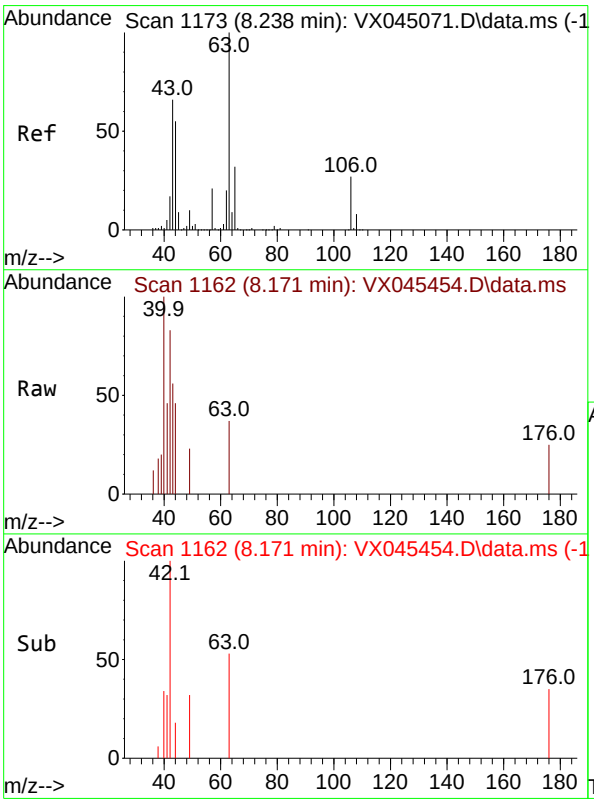
#57
1,3-Dichloropropane
Concen: 55.380 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045454.D
Acq: 25 Mar 2025 20:37

Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MSD

Tgt Ion: 76 Resp: 96907

Ion	Ratio	Lower	Upper
76	100		
78	31.8	25.5	38.3

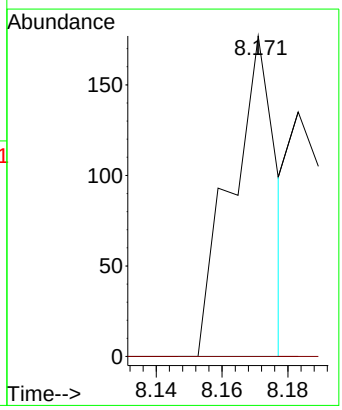


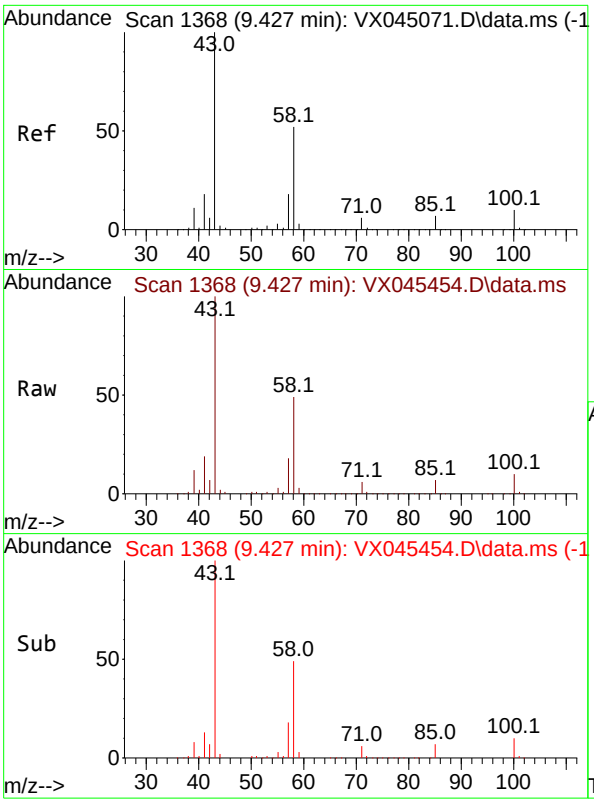


#58
2-Chloroethyl Vinyl ether
Concen: 0.224 ug/l
RT: 8.171 min Scan# 1162
Delta R.T. -0.067 min
Lab File: VX045454.D
Acq: 25 Mar 2025 20:37

Tgt Ion: 63 Resp: 168

Ion	Ratio	Lower	Upper
63	100		
106	0.0	21.5	32.3#



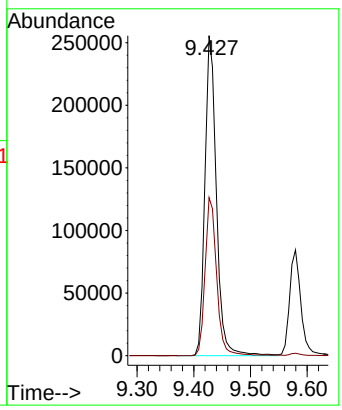


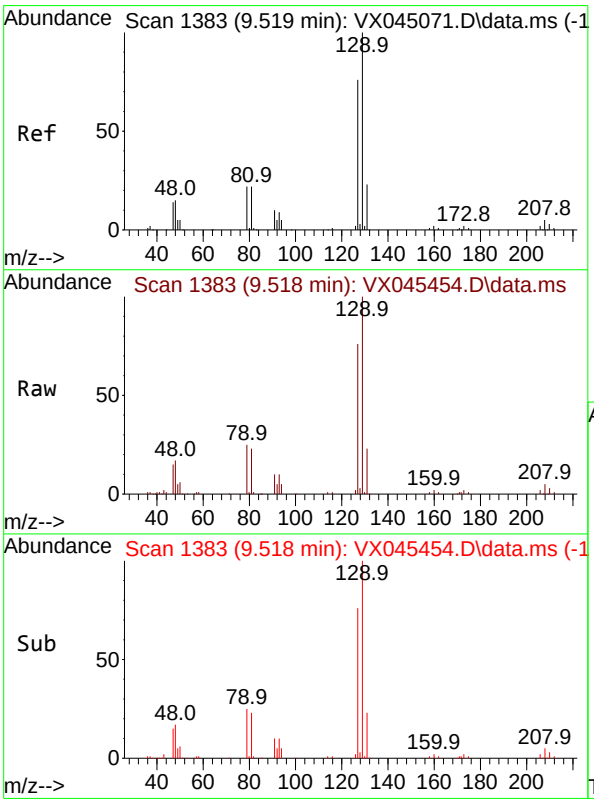
#59
2-Hexanone
Concen: 292.199 ug/l
RT: 9.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045454.D
Acq: 25 Mar 2025 20:37

Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MSD

Tgt Ion: 43 Resp: 359074

Ion	Ratio	Lower	Upper
43	100		
58	49.9	25.9	77.6

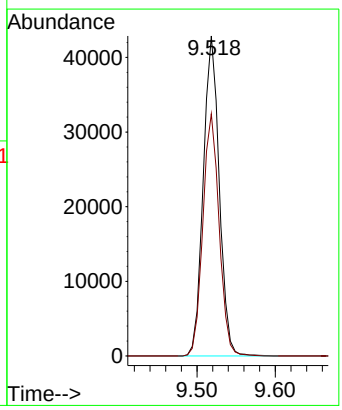


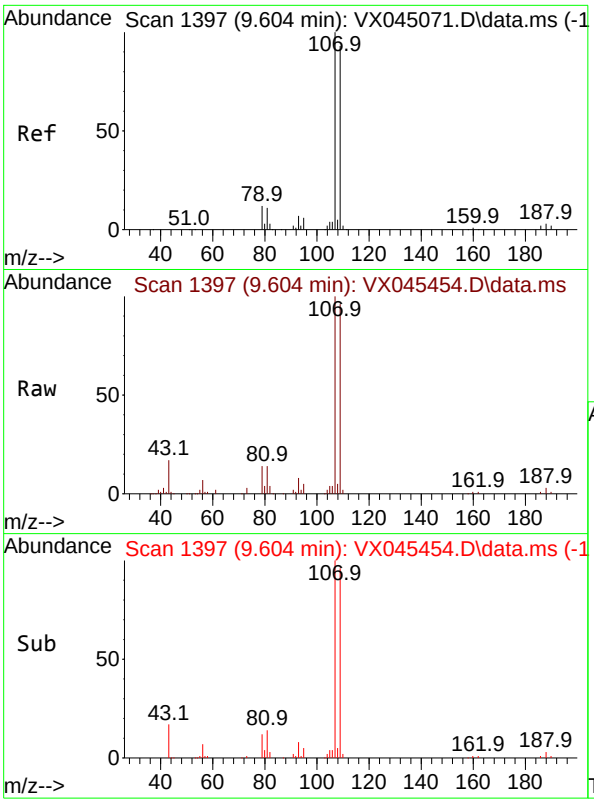


#60
Dibromochloromethane
Concen: 57.402 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX045454.D
Acq: 25 Mar 2025 20:37

Tgt Ion:129 Resp: 60687

Ion	Ratio	Lower	Upper
129	100		
127	76.8	38.5	115.5



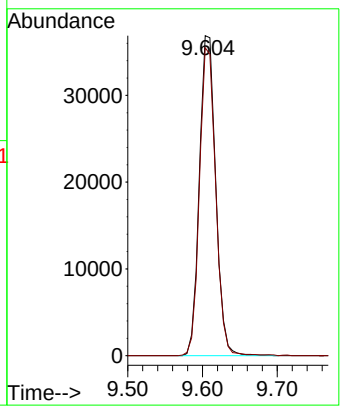


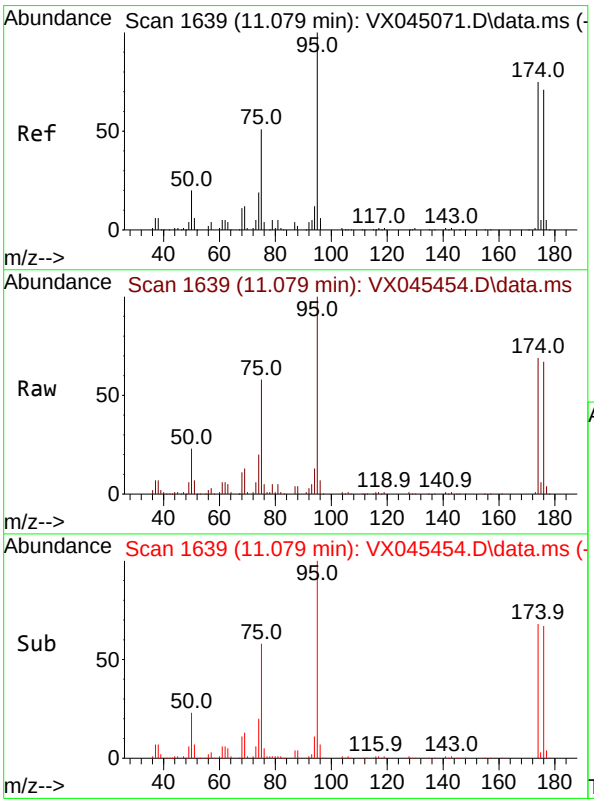
#61
1,2-Dibromoethane
Concen: 55.442 ug/l
RT: 9.604 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045454.D
Acq: 25 Mar 2025 20:37

Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MSD

Tgt Ion:107 Resp: 55964

Ion	Ratio	Lower	Upper
107	100		
109	95.5	76.1	114.1

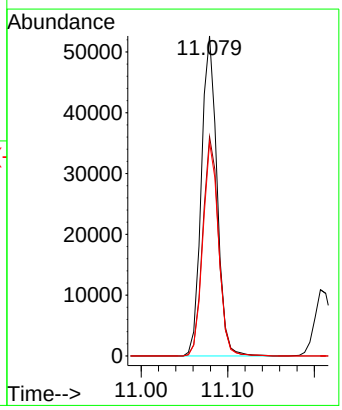


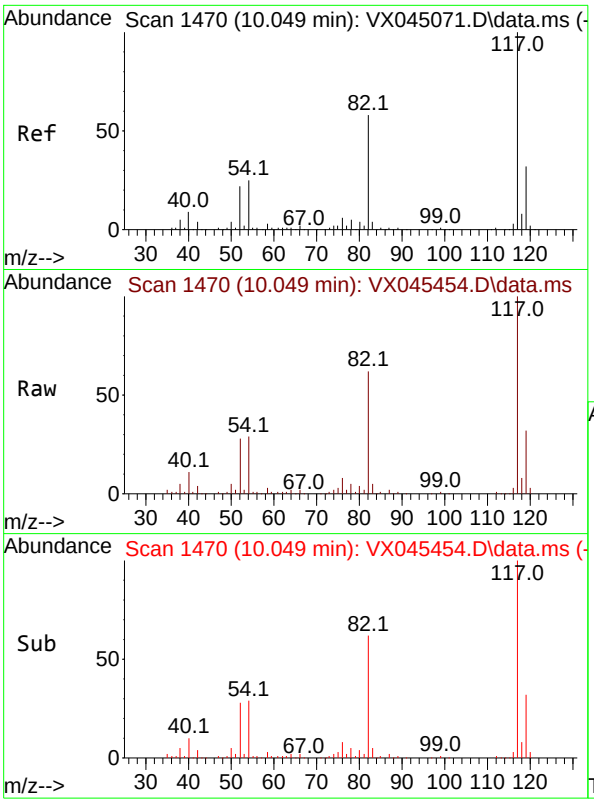


#62
4-Bromofluorobenzene
Concen: 56.695 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045454.D
Acq: 25 Mar 2025 20:37

Tgt Ion: 95 Resp: 65839

Ion	Ratio	Lower	Upper
95	100		
174	69.4	0.0	148.2
176	66.8	0.0	141.4



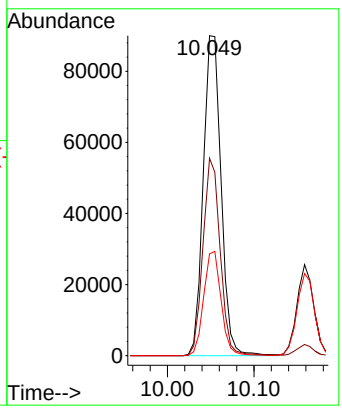


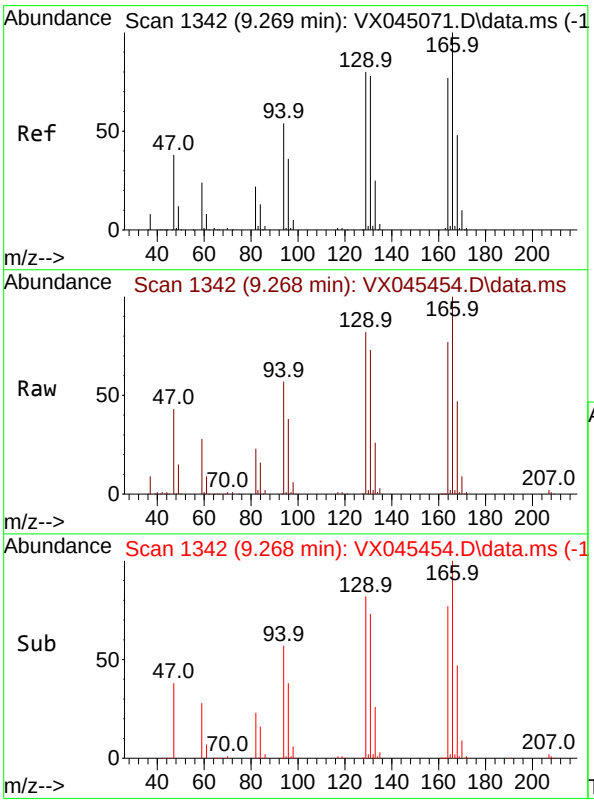
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045454.D
Acq: 25 Mar 2025 20:37

Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MSD

Tgt Ion:117 Resp: 128766

Ion	Ratio	Lower	Upper
117	100		
82	61.7	46.3	69.5
119	31.8	25.7	38.5

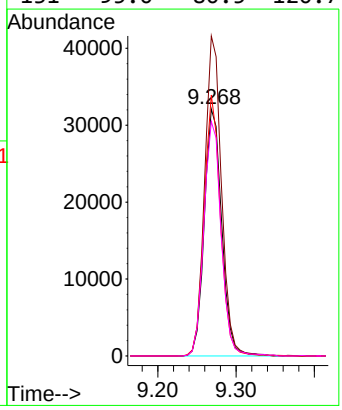


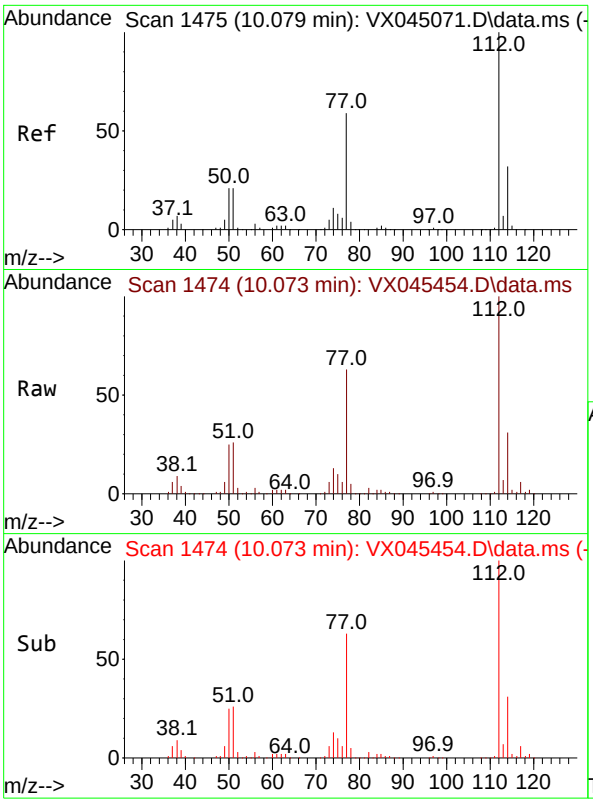


#64
Tetrachloroethene
Concen: 59.734 ug/l
RT: 9.268 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX045454.D
Acq: 25 Mar 2025 20:37

Tgt Ion:164 Resp: 49262

Ion	Ratio	Lower	Upper
164	100		
166	129.6	103.6	155.4
129	105.7	82.7	124.1
131	95.0	80.5	120.7



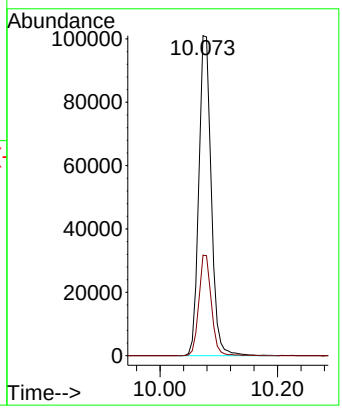


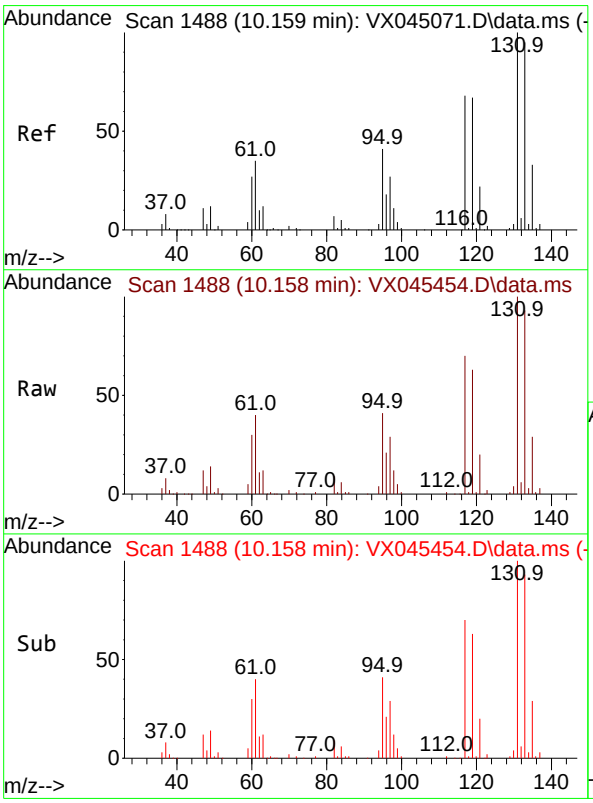
#65
Chlorobenzene
Concen: 54.517 ug/l
RT: 10.073 min Scan# 14
Delta R.T. -0.006 min
Lab File: VX045454.D
Acq: 25 Mar 2025 20:37

Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MSD

Tgt Ion:112 Resp: 148540

Ion	Ratio	Lower	Upper
112	100		
114	31.4	26.0	39.0

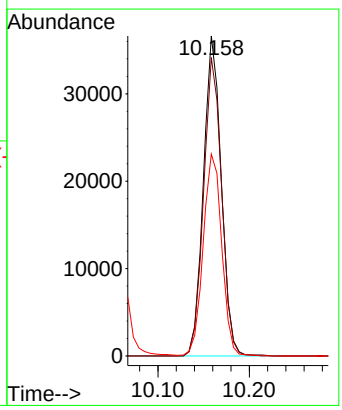


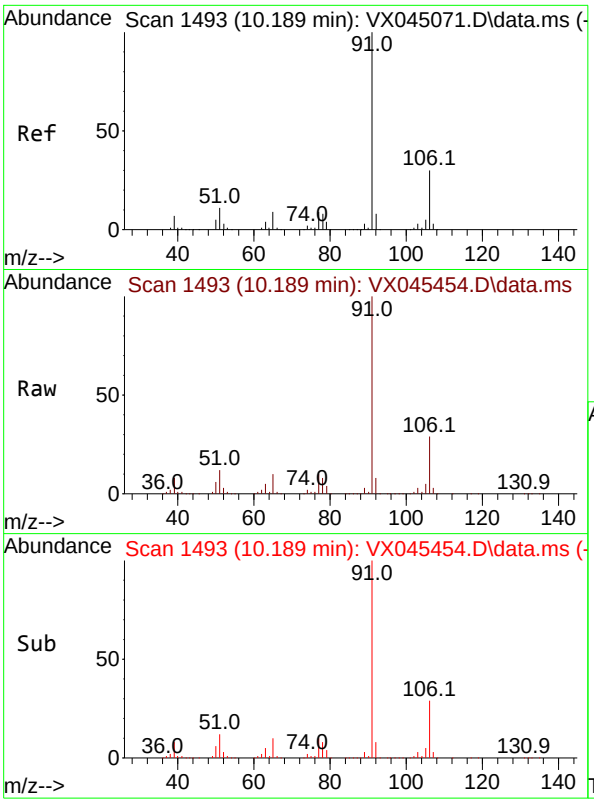


#66
1,1,1,2-Tetrachloroethane
Concen: 54.533 ug/l
RT: 10.158 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX045454.D
Acq: 25 Mar 2025 20:37

Tgt Ion:131 Resp: 49482

Ion	Ratio	Lower	Upper
131	100		
133	94.3	48.6	145.9
119	65.6	33.9	101.7



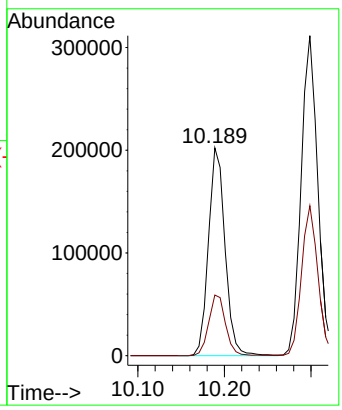


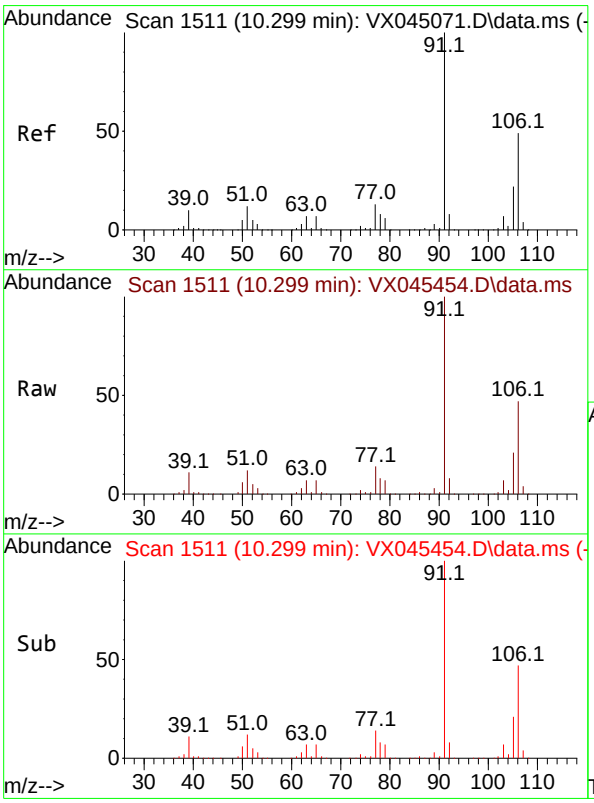
#67
Ethyl Benzene
Concen: 56.717 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045454.D
Acq: 25 Mar 2025 20:37

Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MSD

Tgt Ion: 91 Resp: 269267

Ion	Ratio	Lower	Upper
91	100		
106	29.2	23.9	35.9

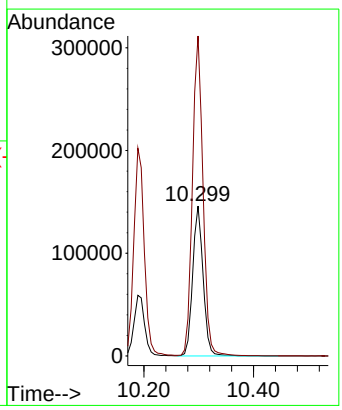


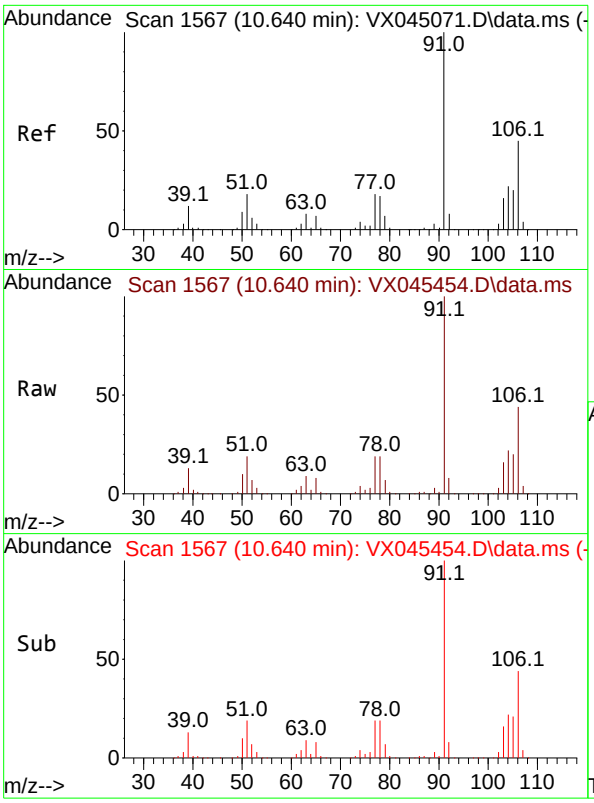


#68
m/p-Xylenes
Concen: 111.808 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX045454.D
Acq: 25 Mar 2025 20:37

Tgt Ion:106 Resp: 194318

Ion	Ratio	Lower	Upper
106	100		
91	215.7	165.4	248.0



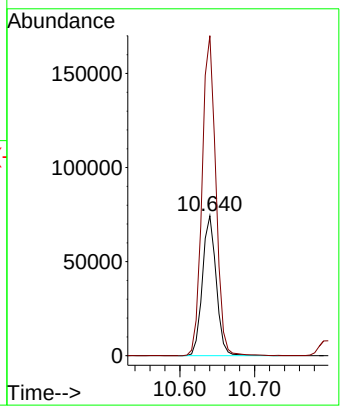


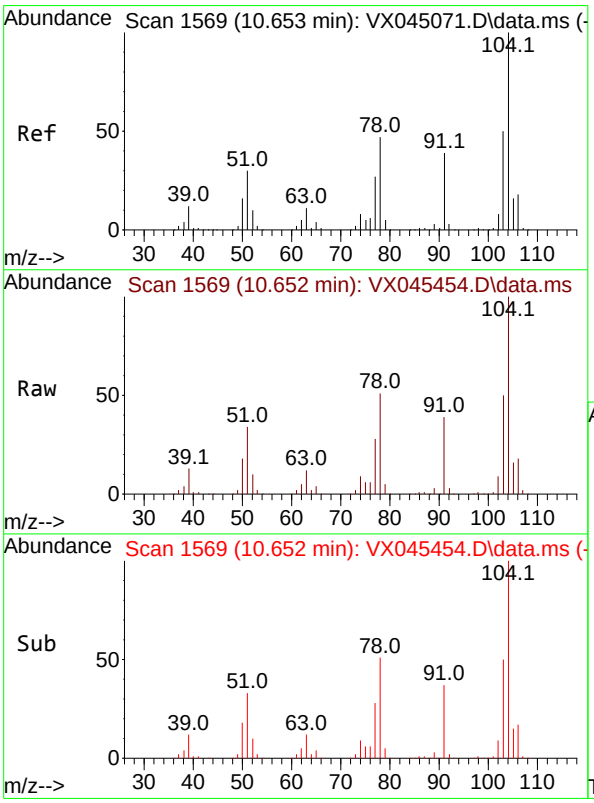
#69
o-Xylene
Concen: 54.410 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045454.D
Acq: 25 Mar 2025 20:37

Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MSD

Tgt Ion:106 Resp: 95373

Ion	Ratio	Lower	Upper
106	100		
91	228.5	109.9	329.6

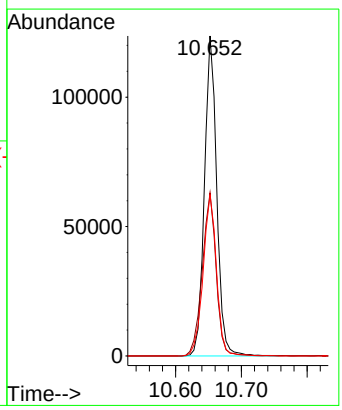


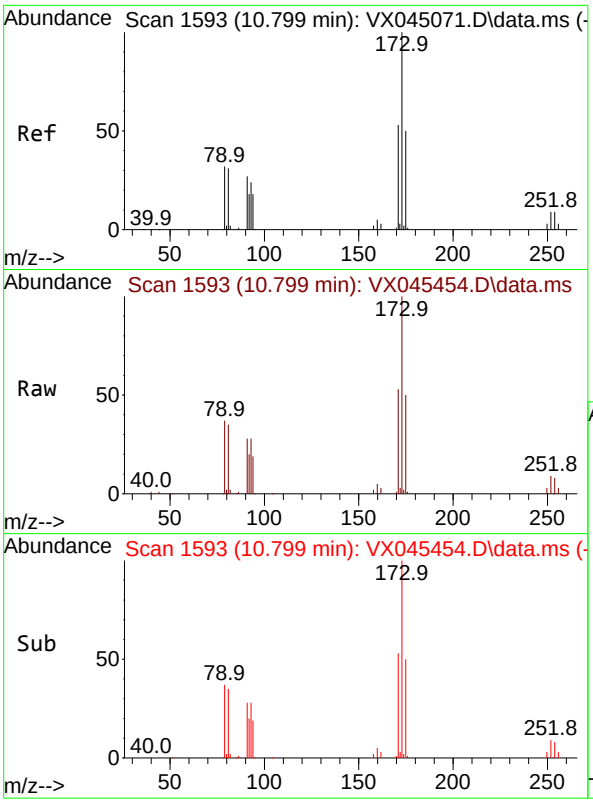


#70
Styrene
Concen: 56.780 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX045454.D
Acq: 25 Mar 2025 20:37

Tgt Ion:104 Resp: 161039

Ion	Ratio	Lower	Upper
104	100		
78	57.4	42.2	63.4
103	55.1	43.8	65.8



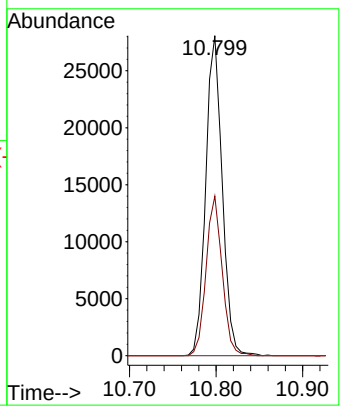


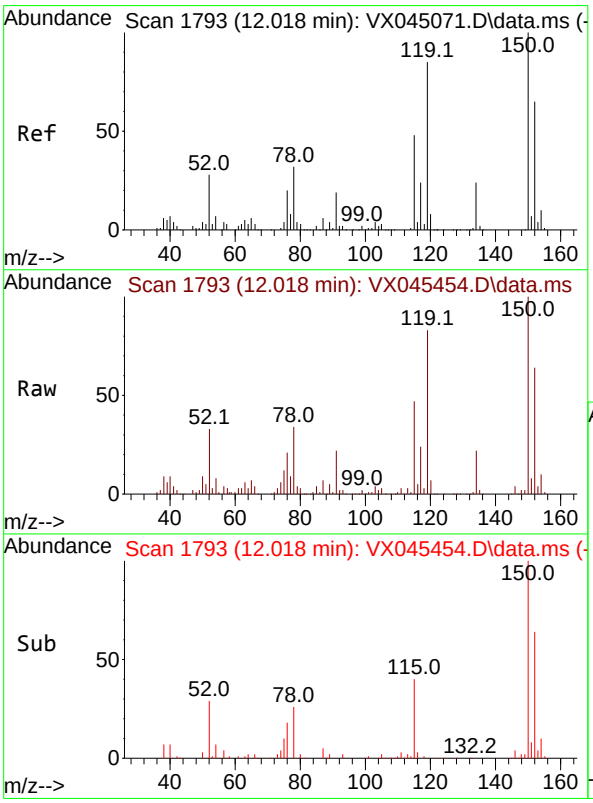
#71
Bromoform
Concen: 54.246 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045454.D
Acq: 25 Mar 2025 20:37

Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MSD

Tgt Ion:173 Resp: 37117

Ion	Ratio	Lower	Upper
173	100		
175	48.7	24.6	73.6
254	0.0	0.0	0.0

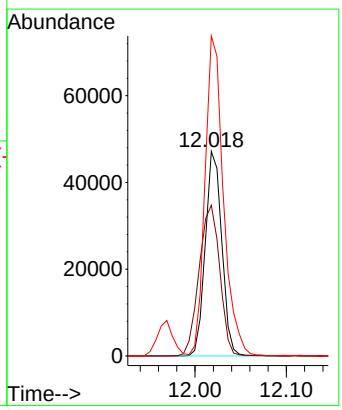


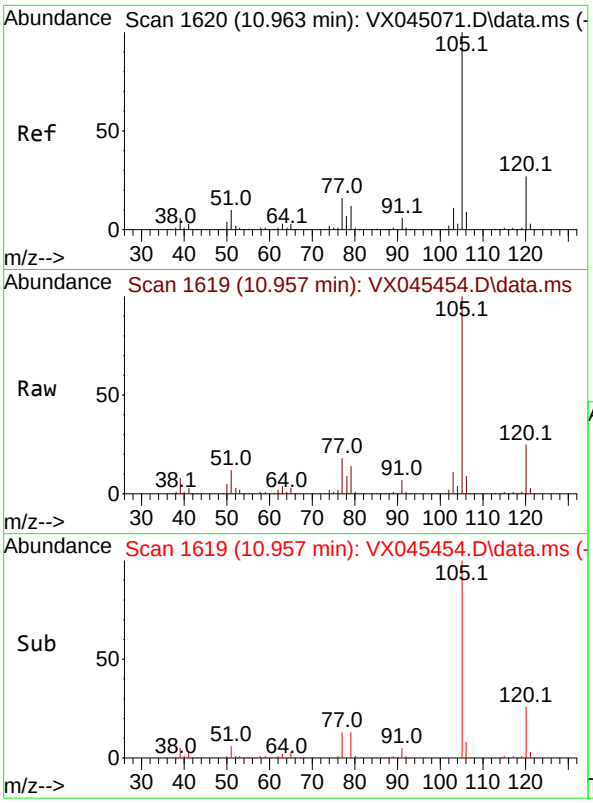


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045454.D
Acq: 25 Mar 2025 20:37

Tgt Ion:152 Resp: 58991

Ion	Ratio	Lower	Upper
152	100		
115	92.5	44.2	132.6
150	173.7	0.0	349.0



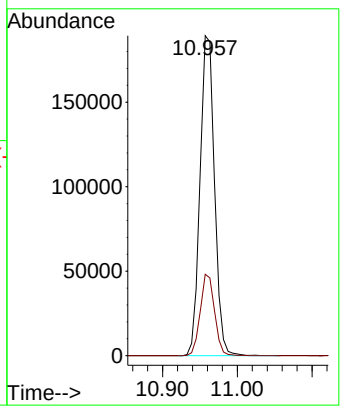


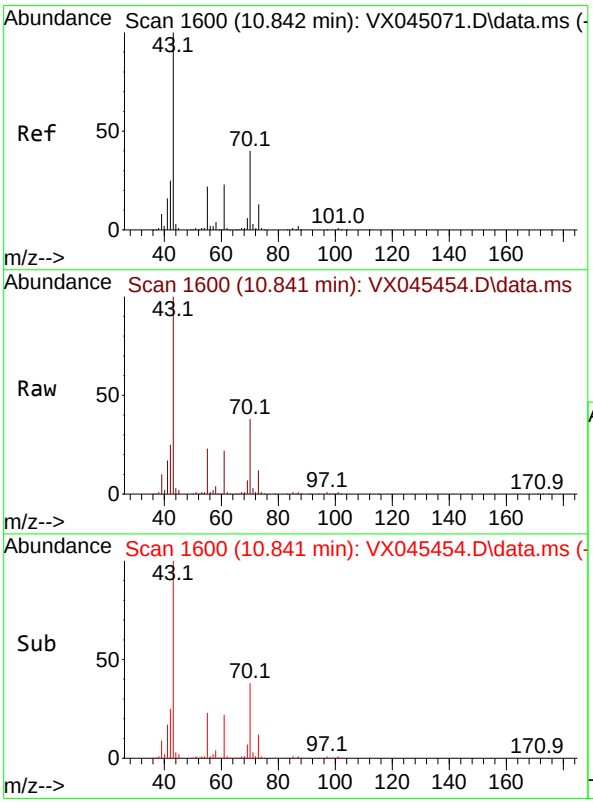
#73
Isopropylbenzene
Concen: 55.365 ug/l
RT: 10.957 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045454.D
Acq: 25 Mar 2025 20:37

Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MSD

Tgt Ion:105 Resp: 254922

Ion	Ratio	Lower	Upper
105	100		
120	25.1	13.2	39.5

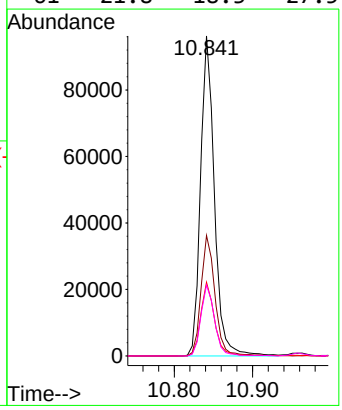


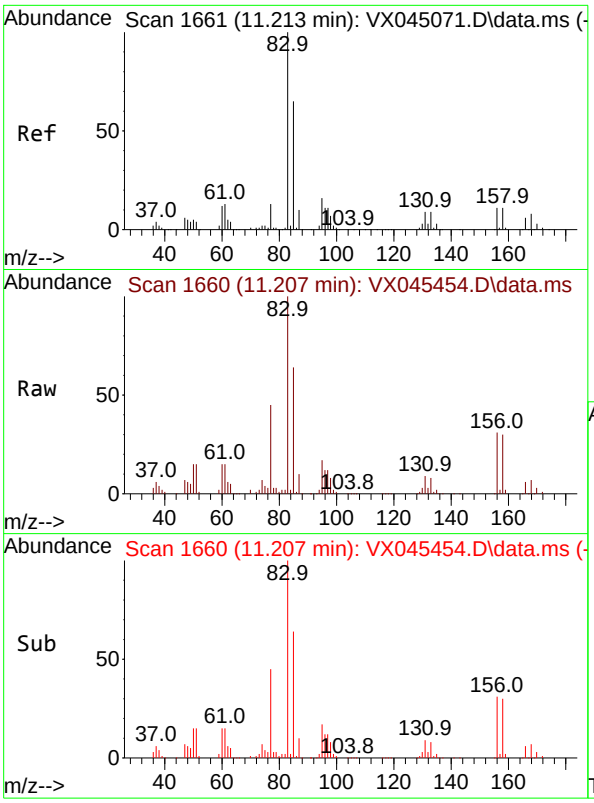


#74
N-amyl acetate
Concen: 54.733 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX045454.D
Acq: 25 Mar 2025 20:37

Tgt Ion: 43 Resp: 118252

Ion	Ratio	Lower	Upper
43	100		
70	38.2	31.8	47.6
55	23.2	18.3	27.5
61	21.8	18.3	27.5



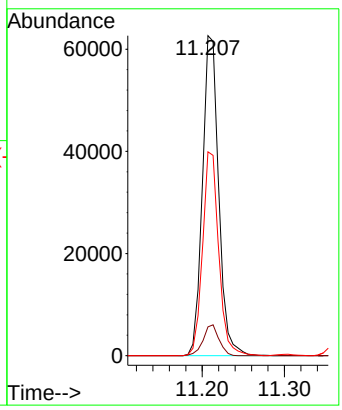


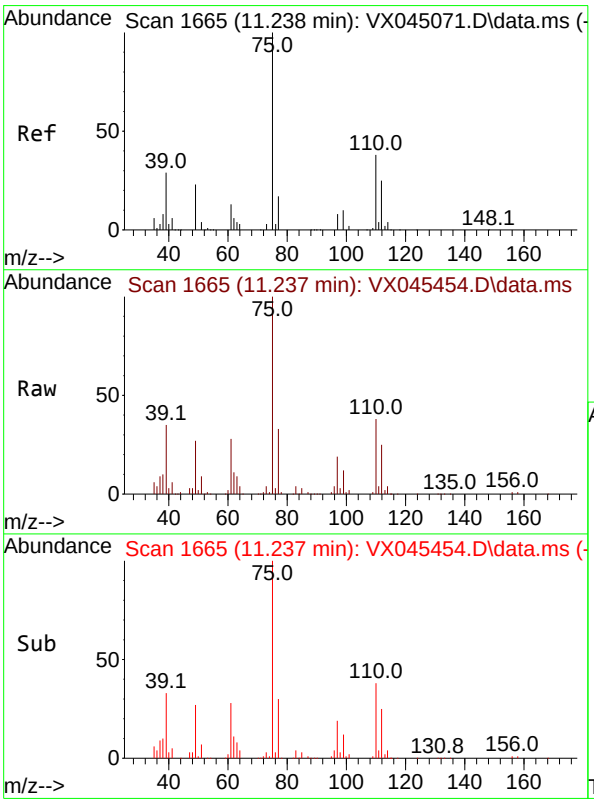
#75
1,1,2,2-Tetrachloroethane
Concen: 50.839 ug/l
RT: 11.207 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045454.D
Acq: 25 Mar 2025 20:37

Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MSD

Tgt Ion: 83 Resp: 85900

Ion	Ratio	Lower	Upper
83	100		
131	9.4	4.5	13.4
85	63.4	31.7	95.1

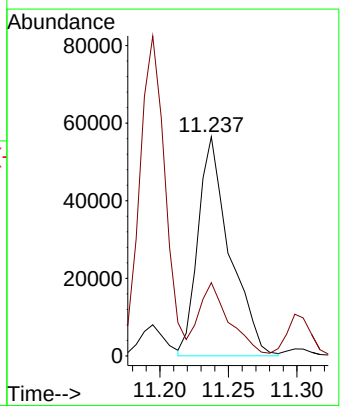


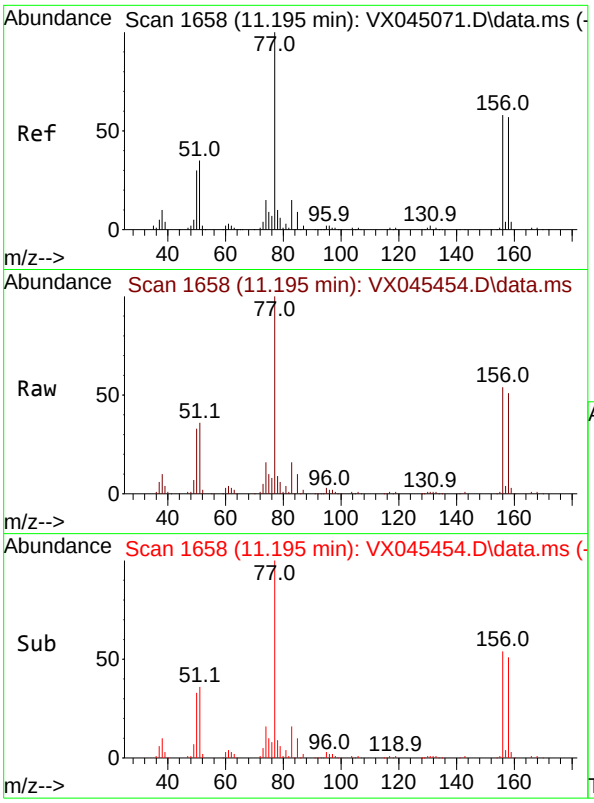


#76
1,2,3-Trichloropropane
Concen: 66.335 ug/l
RT: 11.237 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX045454.D
Acq: 25 Mar 2025 20:37

Tgt Ion: 75 Resp: 91080

Ion	Ratio	Lower	Upper
75	100		
77	32.3	20.7	62.1



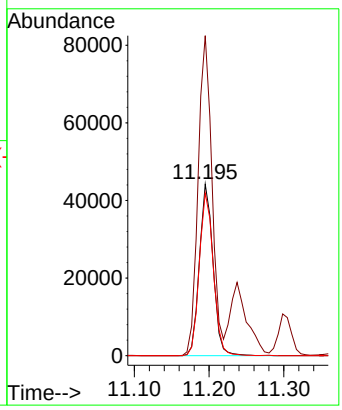


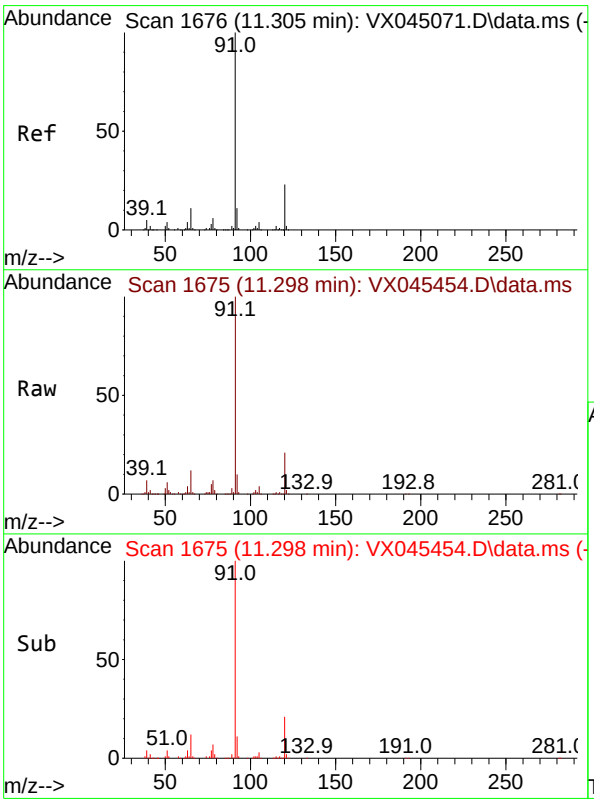
#77
Bromobenzene
Concen: 51.831 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045454.D
Acq: 25 Mar 2025 20:37

Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MSD

Tgt Ion:156 Resp: 56308

Ion	Ratio	Lower	Upper
156	100		
77	188.8	85.8	257.4
158	97.4	48.4	145.2

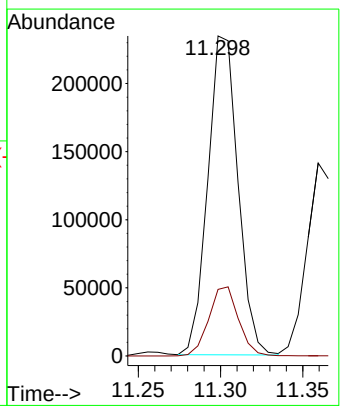


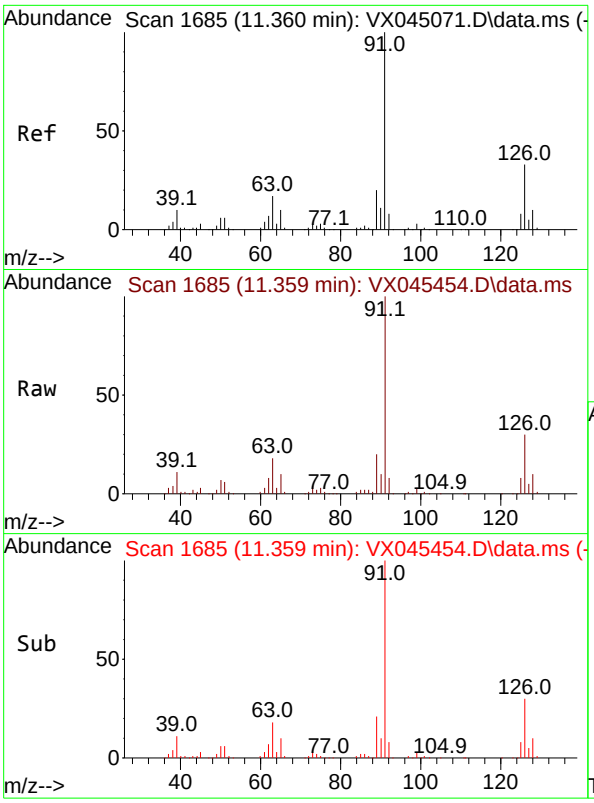


#78
n-propylbenzene
Concen: 57.457 ug/l
RT: 11.298 min Scan# 1675
Delta R.T. -0.006 min
Lab File: VX045454.D
Acq: 25 Mar 2025 20:37

Tgt Ion: 91 Resp: 298852

Ion	Ratio	Lower	Upper
91	100		
120	21.4	11.2	33.6



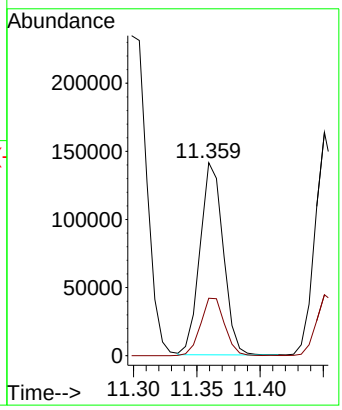


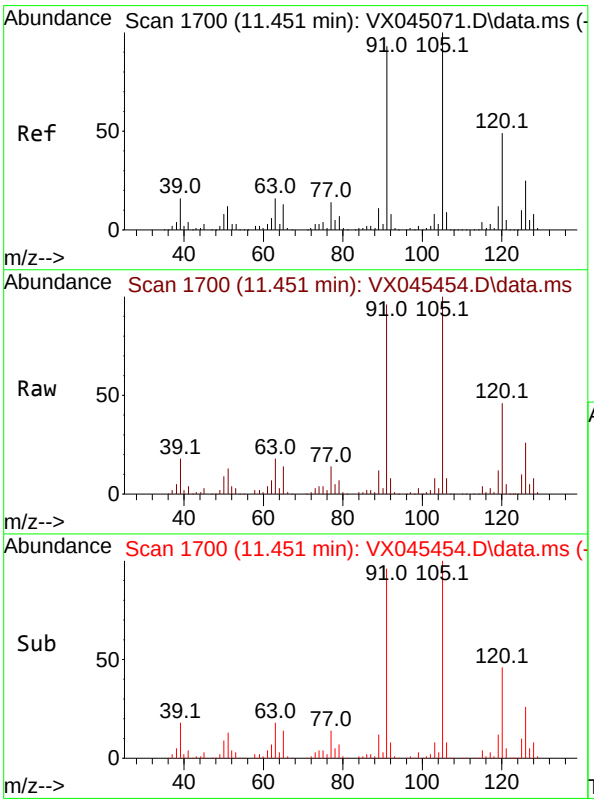
#79
2-Chlorotoluene
Concen: 54.476 ug/l
RT: 11.359 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045454.D
Acq: 25 Mar 2025 20:37

Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MSD

Tgt Ion: 91 Resp: 180454

Ion	Ratio	Lower	Upper
91	100		
126	31.0	16.4	49.4

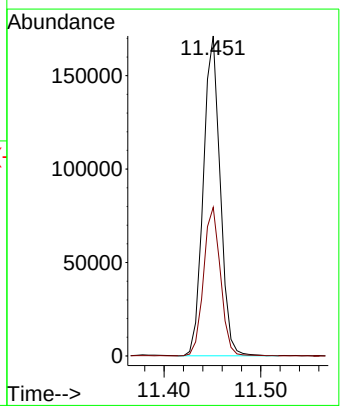


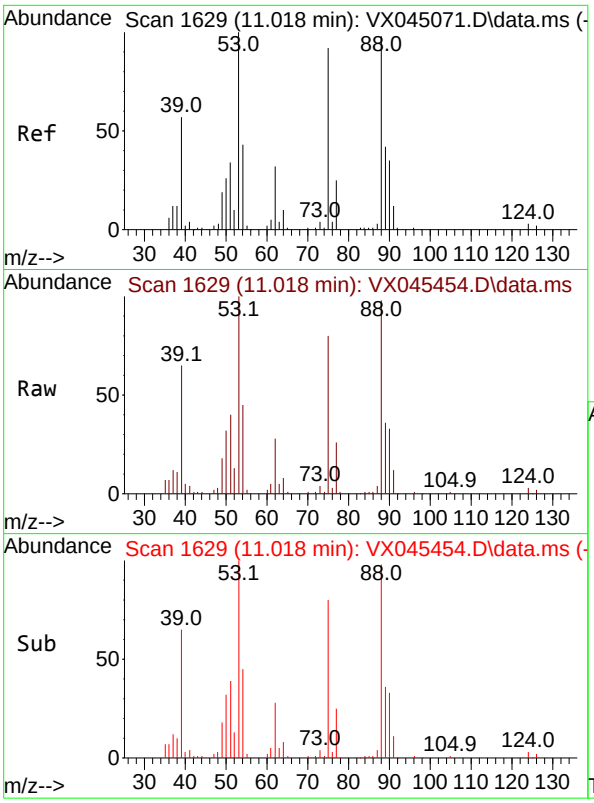


#80
1,3,5-Trimethylbenzene
Concen: 55.855 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045454.D
Acq: 25 Mar 2025 20:37

Tgt Ion:105 Resp: 207948

Ion	Ratio	Lower	Upper
105	100		
120	46.6	24.1	72.2



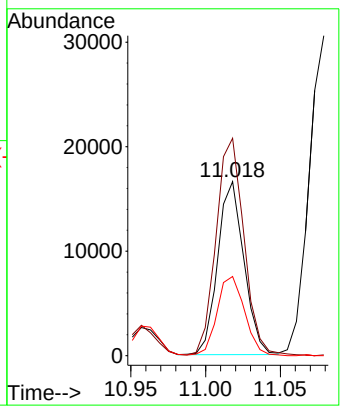


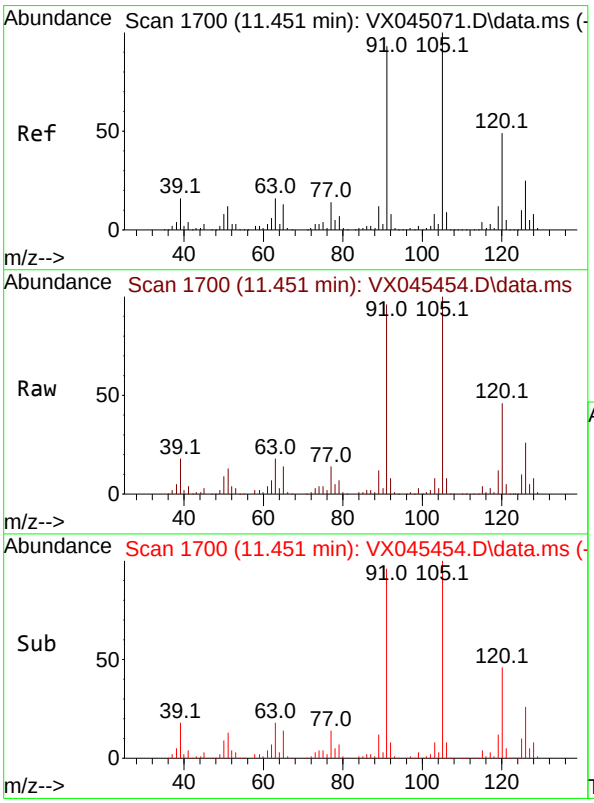
#81
trans-1,4-Dichloro-2-butene
Concen: 50.457 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045454.D
Acq: 25 Mar 2025 20:37

Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MSD

Tgt Ion: 75 Resp: 20244

Ion	Ratio	Lower	Upper
75	100		
53	133.7	88.5	132.7#
89	48.1	36.2	54.4

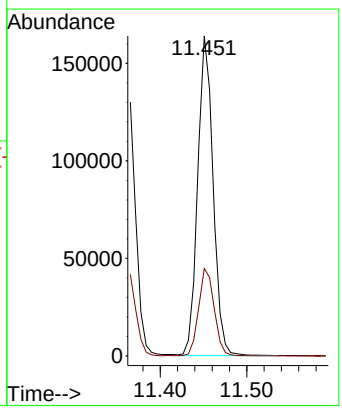


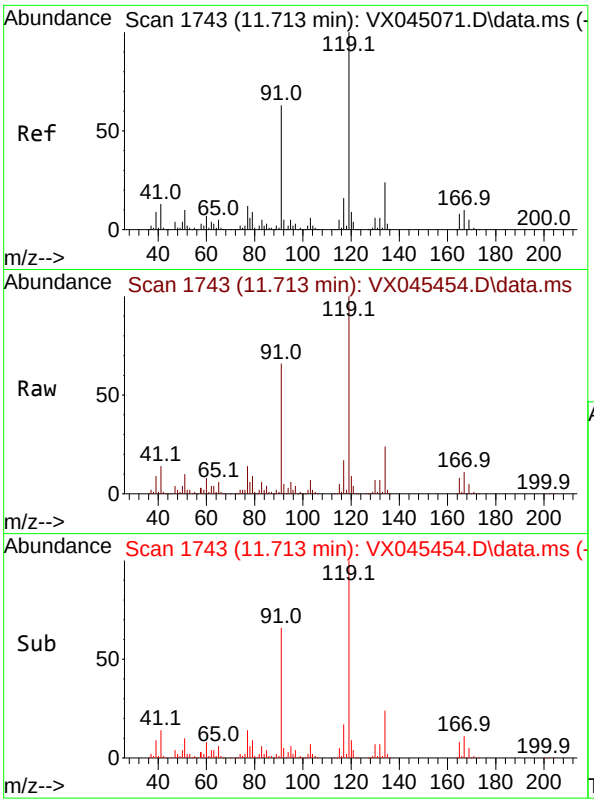


#82
4-Chlorotoluene
Concen: 56.120 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045454.D
Acq: 25 Mar 2025 20:37

Tgt Ion: 91 Resp: 202603

Ion	Ratio	Lower	Upper
91	100		
126	27.5	14.1	42.4



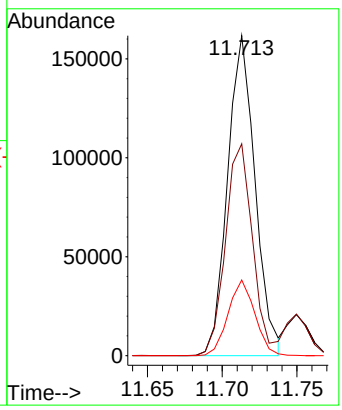


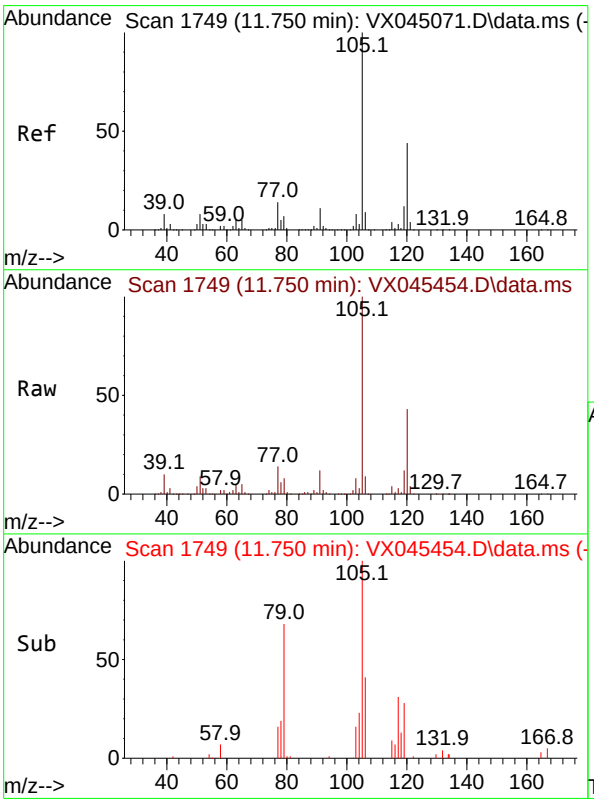
#83
tert-Butylbenzene
Concen: 54.247 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045454.D
Acq: 25 Mar 2025 20:37

Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MSD

Tgt Ion:119 Resp: 207511

Ion	Ratio	Lower	Upper
119	100		
91	64.2	30.7	92.1
134	23.0	11.7	35.0

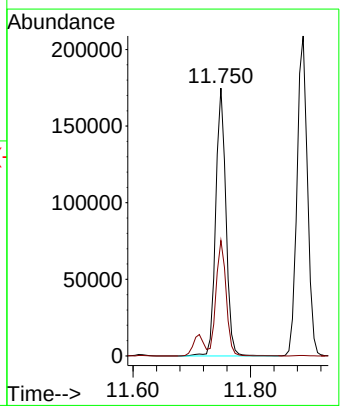


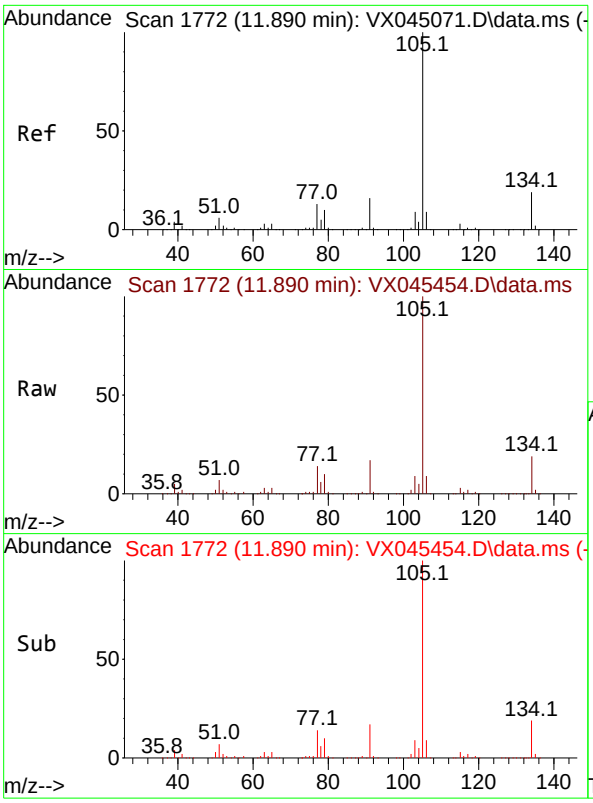


#84
1,2,4-Trimethylbenzene
Concen: 56.119 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX045454.D
Acq: 25 Mar 2025 20:37

Tgt Ion:105 Resp: 210227

Ion	Ratio	Lower	Upper
105	100		
120	42.7	22.1	66.1



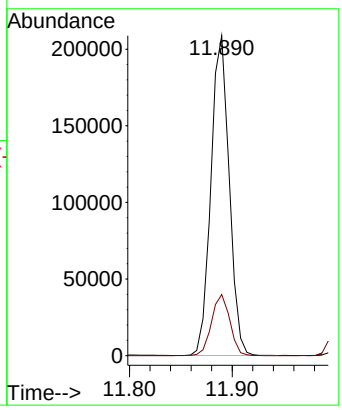


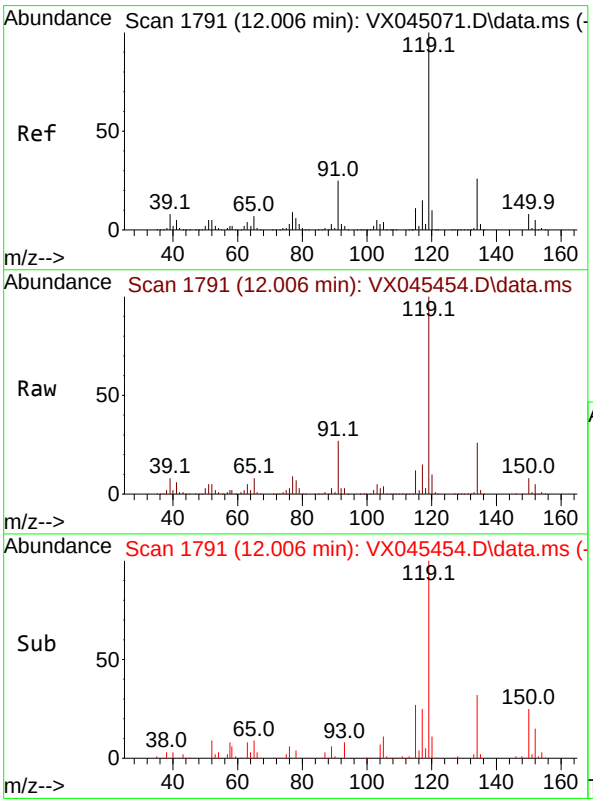
#85
sec-Butylbenzene
Concen: 56.082 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045454.D
Acq: 25 Mar 2025 20:37

Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MSD

Tgt Ion:105 Resp: 256982

Ion	Ratio	Lower	Upper
105	100		
134	19.2	9.8	29.4

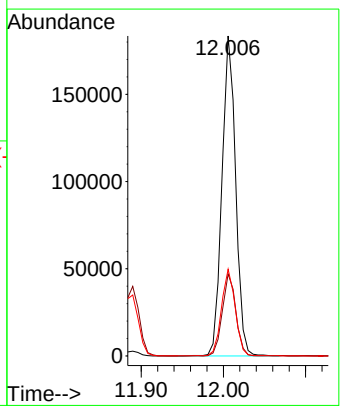


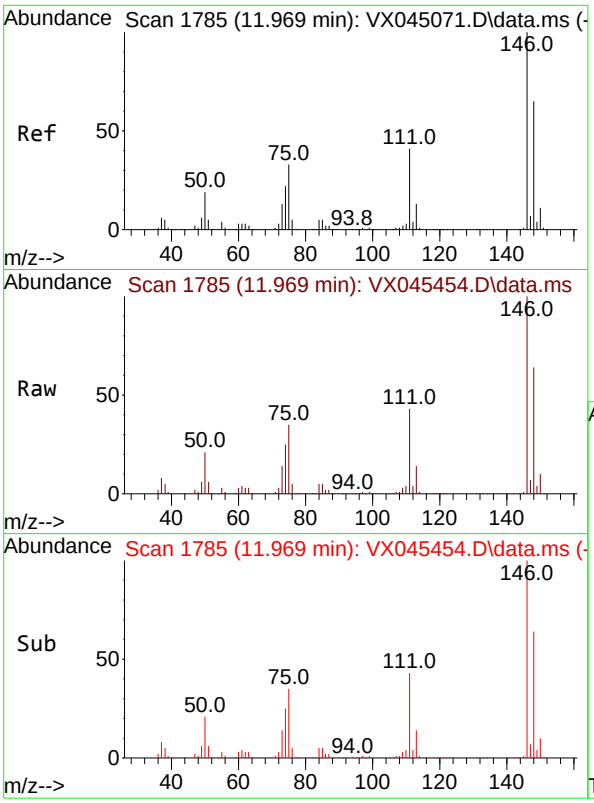


#86
p-Isopropyltoluene
Concen: 57.372 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX045454.D
Acq: 25 Mar 2025 20:37

Tgt Ion:119 Resp: 212455

Ion	Ratio	Lower	Upper
119	100		
134	25.3	12.9	38.6
91	27.0	12.7	38.0



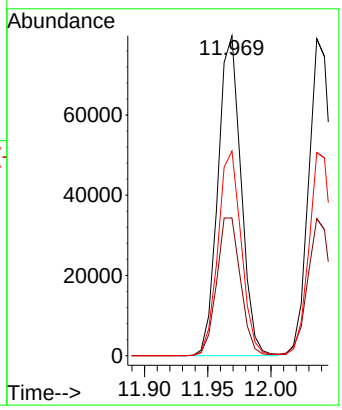


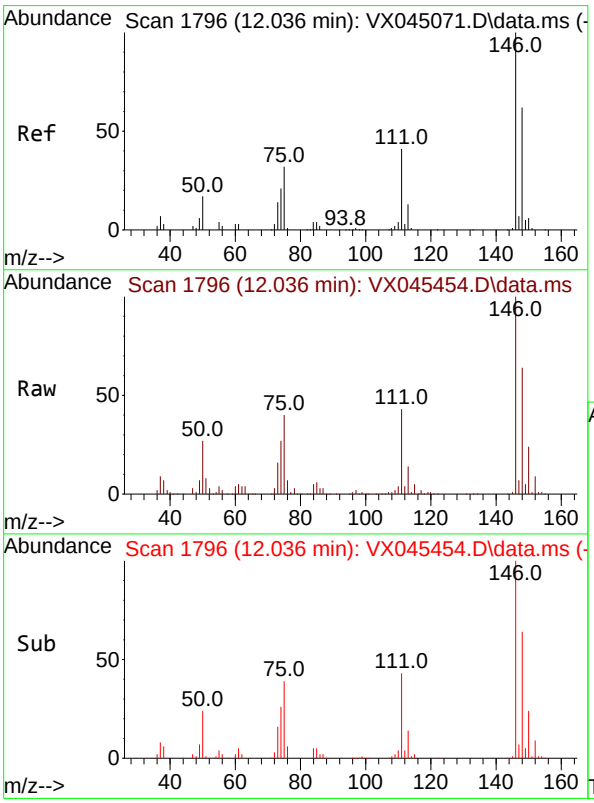
#87
1,3-Dichlorobenzene
Concen: 52.159 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045454.D
Acq: 25 Mar 2025 20:37

Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MSD

Tgt Ion:146 Resp: 101086

Ion	Ratio	Lower	Upper
146	100		
111	44.5	21.1	63.4
148	64.6	31.9	95.7

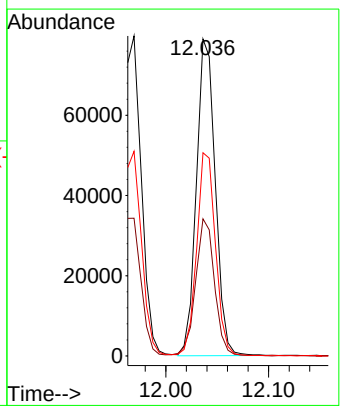


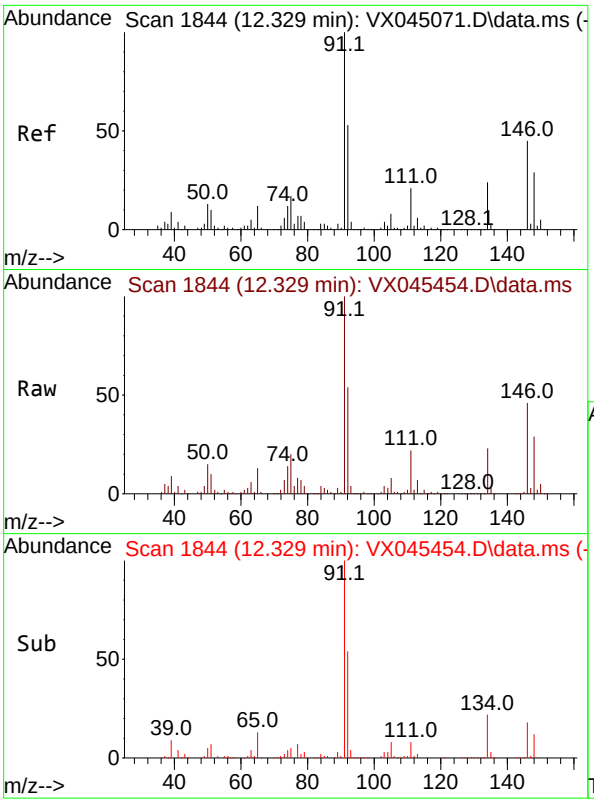


#88
1,4-Dichlorobenzene
Concen: 51.485 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. -0.000 min
Lab File: VX045454.D
Acq: 25 Mar 2025 20:37

Tgt Ion:146 Resp: 100948

Ion	Ratio	Lower	Upper
146	100		
111	43.8	20.2	60.5
148	64.0	31.9	95.9



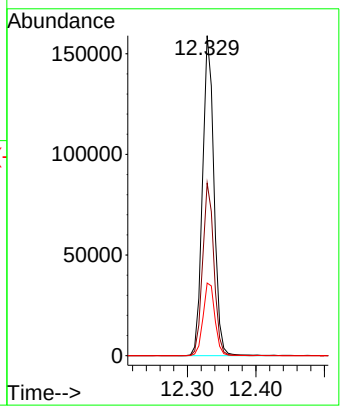


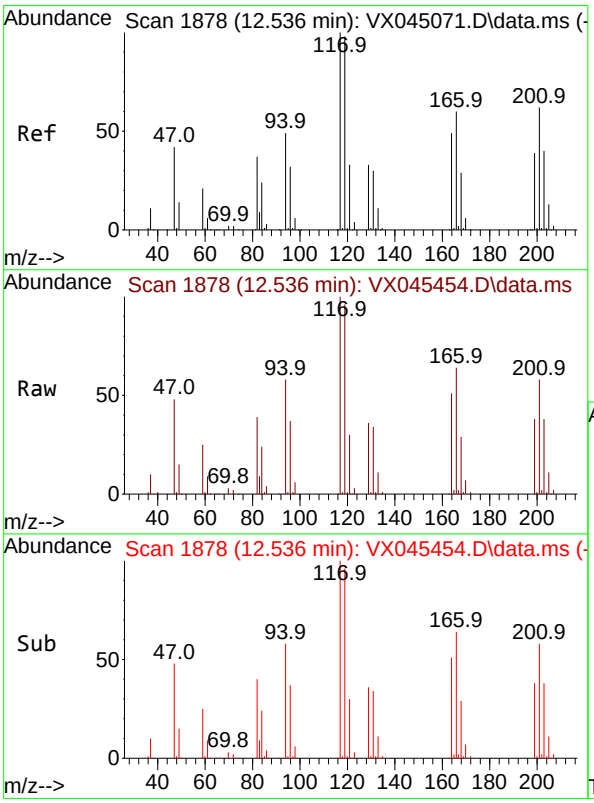
#89
n-Butylbenzene
Concen: 57.809 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045454.D
Acq: 25 Mar 2025 20:37

Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MSD

Tgt Ion: 91 Resp: 184374

Ion	Ratio	Lower	Upper
91	100		
92	53.5	26.7	80.0
134	23.6	12.2	36.6

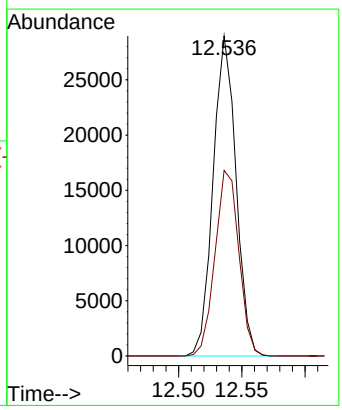


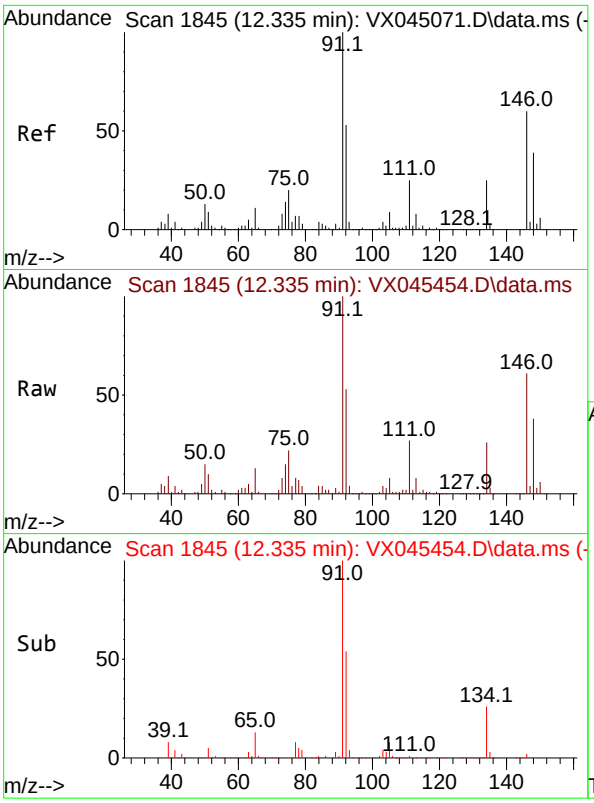


#90
Hexachloroethane
Concen: 54.388 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX045454.D
Acq: 25 Mar 2025 20:37

Tgt Ion:117 Resp: 36429

Ion	Ratio	Lower	Upper
117	100		
201	60.4	31.9	95.9



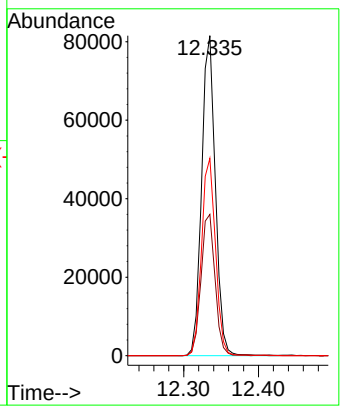


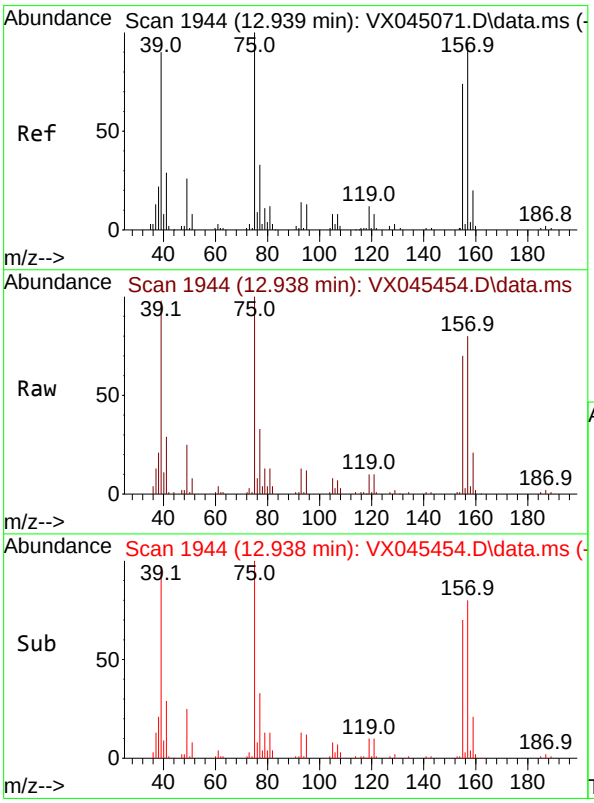
#91
1,2-Dichlorobenzene
Concen: 53.527 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045454.D
Acq: 25 Mar 2025 20:37

Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MSD

Tgt Ion:146 Resp: 104063

Ion	Ratio	Lower	Upper
146	100		
111	45.2	21.6	65.0
148	62.6	31.9	95.9

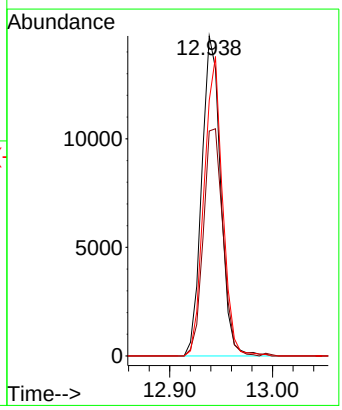


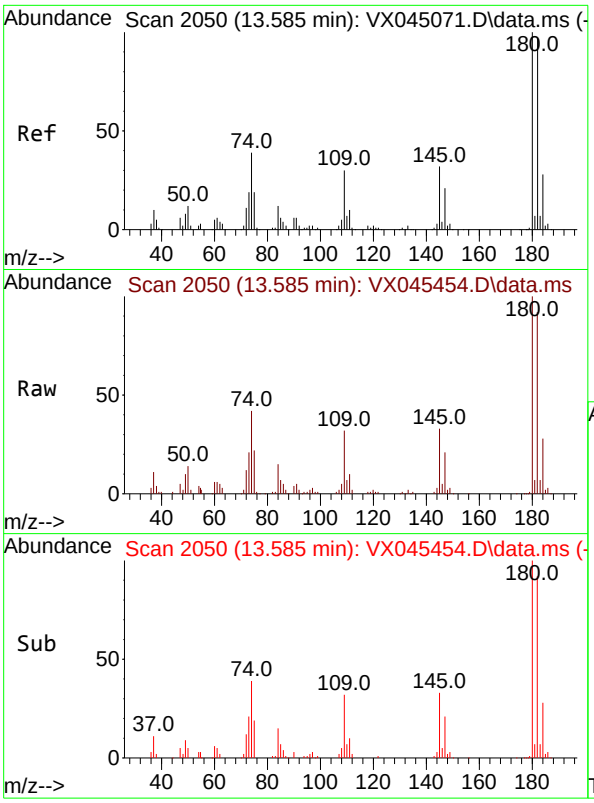


#92
1,2-Dibromo-3-Chloropropane
Concen: 57.137 ug/l
RT: 12.938 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX045454.D
Acq: 25 Mar 2025 20:37

Tgt Ion: 75 Resp: 18808

Ion	Ratio	Lower	Upper
75	100		
155	73.9	39.6	118.7
157	91.6	51.1	153.4



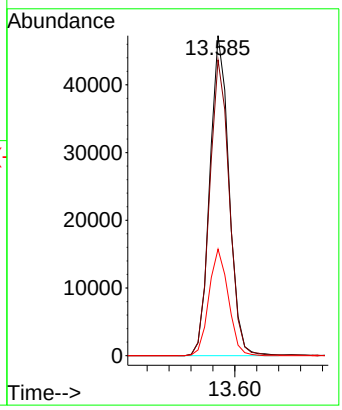


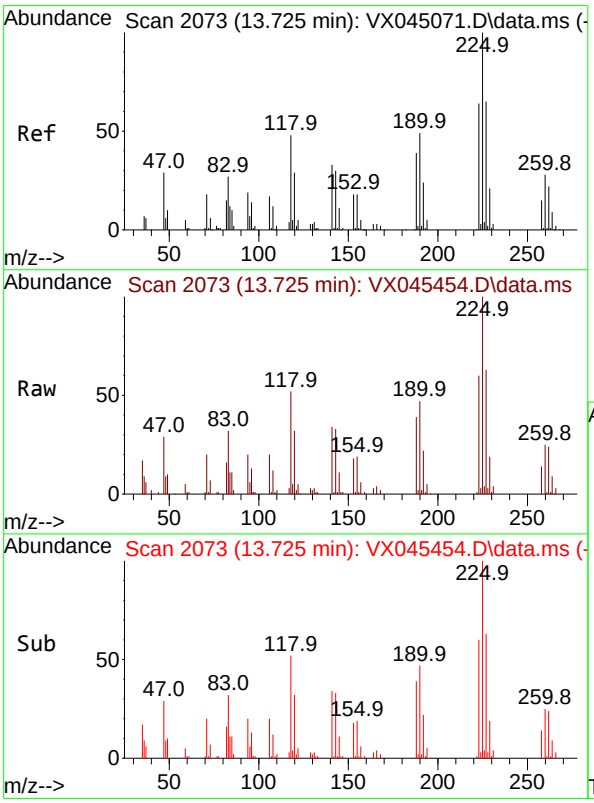
#93
1,2,4-Trichlorobenzene
Concen: 51.861 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045454.D
Acq: 25 Mar 2025 20:37

Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MSD

Tgt Ion:180 Resp: 57410

Ion	Ratio	Lower	Upper
180	100		
182	94.6	47.3	141.9
145	33.6	16.3	48.9

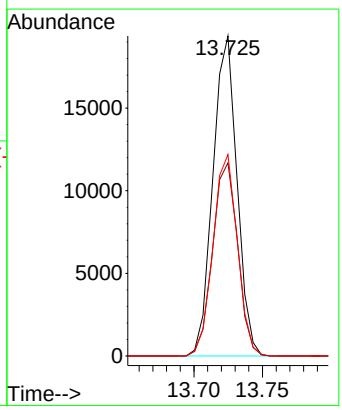


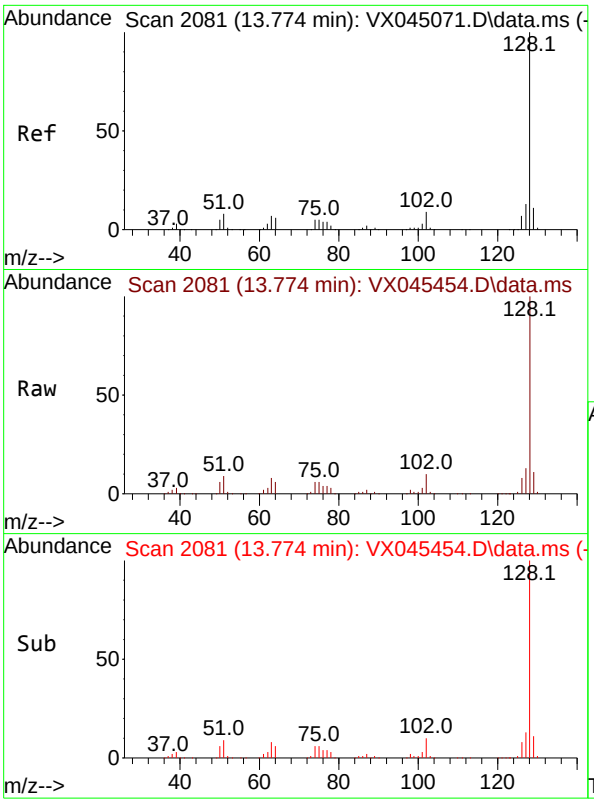


#94
Hexachlorobutadiene
Concen: 52.086 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX045454.D
Acq: 25 Mar 2025 20:37

Tgt Ion:225 Resp: 23639

Ion	Ratio	Lower	Upper
225	100		
223	62.7	31.9	95.7
227	63.8	31.4	94.0



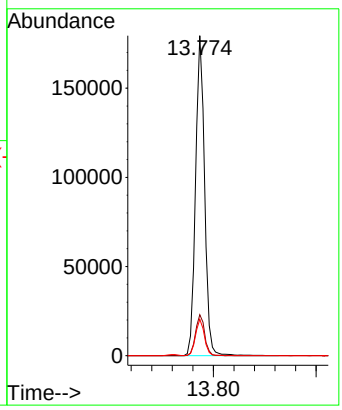


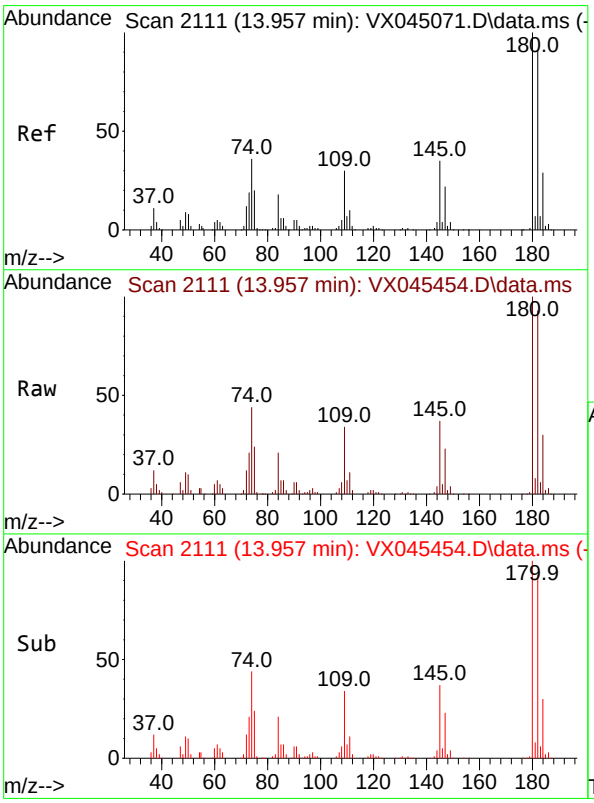
#95
Naphthalene
Concen: 51.660 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045454.D
Acq: 25 Mar 2025 20:37

Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20250318MSD

Tgt Ion:128 Resp: 219719

Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.3	15.5
129	11.1	8.7	13.1

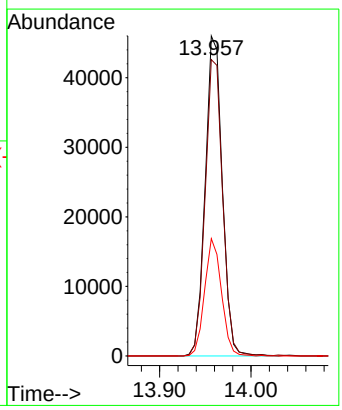




#96
1,2,3-Trichlorobenzene
Concen: 51.041 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.000 min
Lab File: VX045454.D
Acq: 25 Mar 2025 20:37

Tgt Ion:180 Resp: 59607

Ion	Ratio	Lower	Upper
180	100		
182	94.9	47.5	142.6
145	36.3	17.0	50.9



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032525\
Data File : VX045455.D
Acq On : 25 Mar 2025 21:00
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Quant Time: Mar 26 01:47:33 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	74211	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	134524	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	120753	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	57976	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	70804	59.981	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 119.960%			
35) Dibromofluoromethane	5.379	113	50433	56.066	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 112.140%			
50) Toluene-d8	8.647	98	172074	52.766	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 105.540%			
62) 4-Bromofluorobenzene	11.079	95	67367	62.340	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 124.680%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	60758	65.042	ug/l	94
3) Chloromethane	1.307	50	65638	57.417	ug/l	99
4) Vinyl Chloride	1.374	62	57448	50.657	ug/l	95
5) Bromomethane	1.593	94	26828	60.177	ug/l	96
6) Chloroethane	1.666	64	32149	61.459	ug/l	96
7) Trichlorofluoromethane	1.874	101	85653	57.053	ug/l	96
8) Diethyl Ether	2.130	74	28231	48.076	ug/l	94
9) 1,1,2-Trichlorotrifluo...	2.319	101	51717	59.961	ug/l	97
10) Methyl Iodide	2.441	142	66828	61.999	ug/l	94
11) Tert butyl alcohol	2.977	59	49333	220.637	ug/l	97
12) 1,1-Dichloroethene	2.306	96	50738	55.640	ug/l	95
13) Acrolein	2.233	56	71073	274.979	ug/l	99
14) Allyl chloride	2.654	41	95094	58.584	ug/l	93
15) Acrylonitrile	3.062	53	159315	265.855	ug/l	99
16) Acetone	2.380	43	146553	267.586	ug/l	95
17) Carbon Disulfide	2.502	76	127223	52.381	ug/l	98
18) Methyl Acetate	2.703	43	68937	52.322	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	173226	56.621	ug/l	97
20) Methylene Chloride	2.782	84	58289	53.728	ug/l	95
21) trans-1,2-Dichloroethene	3.081	96	51655	57.338	ug/l	96
22) Diisopropyl ether	3.757	45	187925	56.926	ug/l #	86
23) Vinyl Acetate	3.715	43	846535	307.283	ug/l	99
24) 1,1-Dichloroethane	3.599	63	104188	56.314	ug/l	99
25) 2-Butanone	4.556	43	227375	275.806	ug/l	98
26) 2,2-Dichloropropane	4.465	77	64832	74.708	ug/l	95
27) cis-1,2-Dichloroethene	4.483	96	61259	55.084	ug/l	92
28) Bromochloromethane	4.891	49	48535	55.038	ug/l	98
29) Tetrahydrofuran	5.001	42	145386	262.606	ug/l	99
30) Chloroform	5.086	83	105858	57.585	ug/l	100
31) Cyclohexane	5.458	56	93071	57.952	ug/l	96
32) 1,1,1-Trichloroethane	5.373	97	90456	60.925	ug/l	98
36) 1,1-Dichloropropene	5.684	75	71380	57.863	ug/l	99
37) Ethyl Acetate	4.715	43	88123	55.438	ug/l	99
38) Carbon Tetrachloride	5.672	117	76081	60.748	ug/l	95
39) Methylcyclohexane	7.373	83	89014	60.220	ug/l	94
40) Benzene	6.031	78	215997	55.448	ug/l	98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032525\
Data File : VX045455.D
Acq On : 25 Mar 2025 21:00
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Quant Time: Mar 26 01:47:33 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)
41) Methacrylonitrile	4.916	41	49660	57.777	ug/l		97
42) 1,2-Dichloroethane	6.080	62	88076	62.788	ug/l		96
43) Isopropyl Acetate	6.336	43	137894	58.665	ug/l		99
44) Trichloroethene	7.123	130	50548	55.263	ug/l		97
45) 1,2-Dichloropropane	7.428	63	55191	55.105	ug/l		98
46) Dibromomethane	7.574	93	41994	59.321	ug/l		96
47) Bromodichloromethane	7.818	83	82371	59.321	ug/l		98
48) Methyl methacrylate	7.690	41	72446	61.434	ug/l		93
49) 1,4-Dioxane	7.659	88	25038	1006.555	ug/l		94
51) 4-Methyl-2-Pentanone	8.574	43	471412	298.691	ug/l		99
52) Toluene	8.714	92	131498	57.535	ug/l		100
53) t-1,3-Dichloropropene	8.976	75	71263	61.389	ug/l		97
54) cis-1,3-Dichloropropene	8.360	75	81798	60.428	ug/l	#	87
55) 1,1,2-Trichloroethane	9.147	97	52613	55.917	ug/l		98
56) Ethyl methacrylate	9.116	69	88478	61.863	ug/l		93
57) 1,3-Dichloropropane	9.305	76	93052	57.147	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.238	63	223602	320.494	ug/l		98
59) 2-Hexanone	9.427	43	352820	308.540	ug/l		97
60) Dibromochloromethane	9.519	129	58941	59.912	ug/l		99
61) 1,2-Dibromoethane	9.604	107	54283	57.791	ug/l		98
64) Tetrachloroethene	9.269	164	43318	56.012	ug/l		99
65) Chlorobenzene	10.073	112	141675	55.448	ug/l		98
66) 1,1,1,2-Tetrachloroethane	10.159	131	48145	56.581	ug/l		98
67) Ethyl Benzene	10.189	91	258353	58.029	ug/l		99
68) m/p-Xylenes	10.299	106	187271	114.904	ug/l		94
69) o-Xylene	10.640	106	93451	56.852	ug/l		96
70) Styrene	10.653	104	158826	59.715	ug/l		97
71) Bromoform	10.799	173	37385	58.263	ug/l	#	99
73) Isopropylbenzene	10.957	105	248021	54.809	ug/l		99
74) N-amyl acetate	10.842	43	127825	60.199	ug/l		97
75) 1,1,2,2-Tetrachloroethane	11.207	83	85723	51.622	ug/l		100
76) 1,2,3-Trichloropropane	11.238	75	91373	67.714	ug/l		85
77) Bromobenzene	11.195	156	57349	53.713	ug/l		96
78) n-propylbenzene	11.299	91	291813	57.086	ug/l		98
79) 2-Chlorotoluene	11.360	91	180078	55.315	ug/l		97
80) 1,3,5-Trimethylbenzene	11.451	105	208176	56.895	ug/l		97
81) trans-1,4-Dichloro-2-b...	11.018	75	20652	52.375	ug/l		85
82) 4-Chlorotoluene	11.451	91	206254	58.131	ug/l		98
83) tert-Butylbenzene	11.713	119	206906	55.036	ug/l		98
84) 1,2,4-Trimethylbenzene	11.750	105	211760	57.518	ug/l		99
85) sec-Butylbenzene	11.890	105	260527	57.851	ug/l		98
86) p-Isopropyltoluene	12.006	119	214411	58.914	ug/l		98
87) 1,3-Dichlorobenzene	11.969	146	103254	54.210	ug/l		98
88) 1,4-Dichlorobenzene	12.036	146	103629	53.778	ug/l		99
89) n-Butylbenzene	12.329	91	190918	60.909	ug/l		99
90) Hexachloroethane	12.536	117	36102	54.843	ug/l		99
91) 1,2-Dichlorobenzene	12.335	146	104665	54.779	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	12.939	75	19044	58.867	ug/l		89
93) 1,2,4-Trichlorobenzene	13.585	180	60255	55.384	ug/l		100
94) Hexachlorobutadiene	13.725	225	25302	56.726	ug/l		98
95) Naphthalene	13.774	128	226227	54.121	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	61143	53.273	ug/l		99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032525\
Data File : VX045455.D
Acq On : 25 Mar 2025 21:00
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Quant Time: Mar 26 01:47:33 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

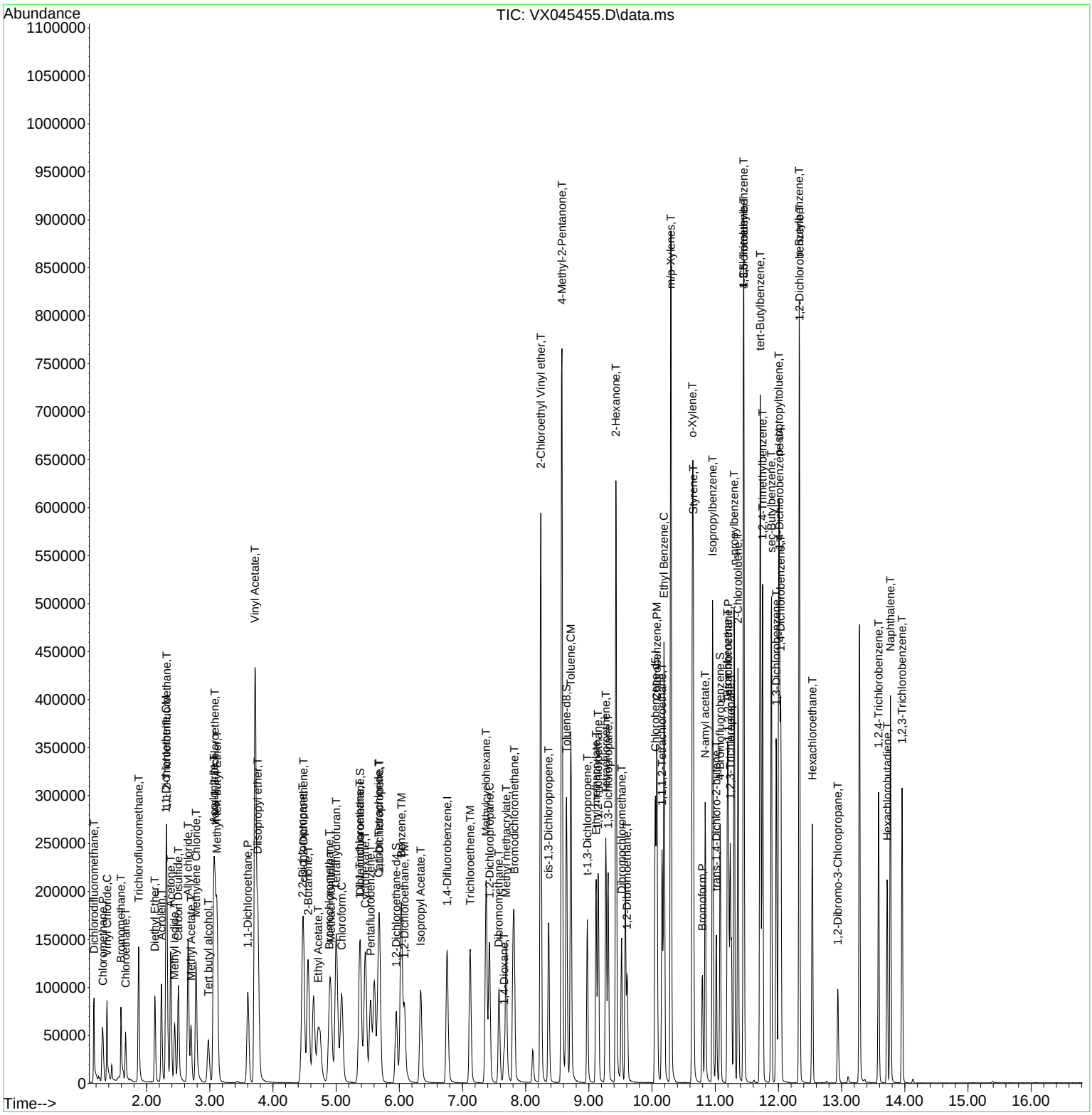
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

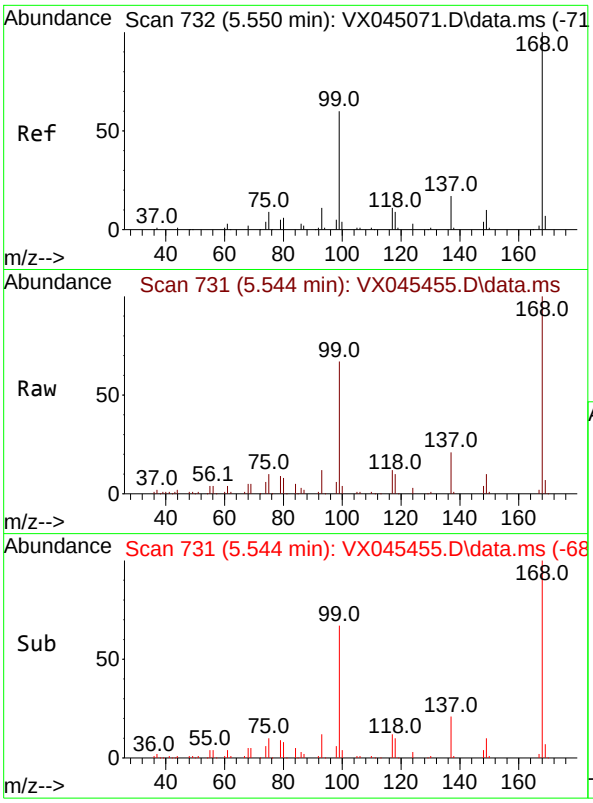
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032525\
Data File : VX045455.D
Acq On : 25 Mar 2025 21:00
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Quant Time: Mar 26 01:47:33 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



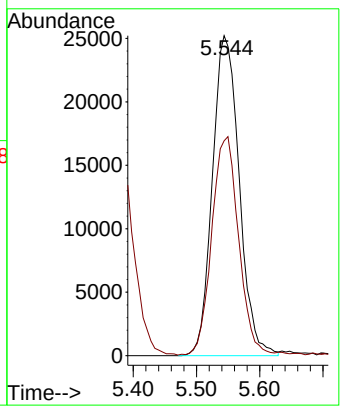


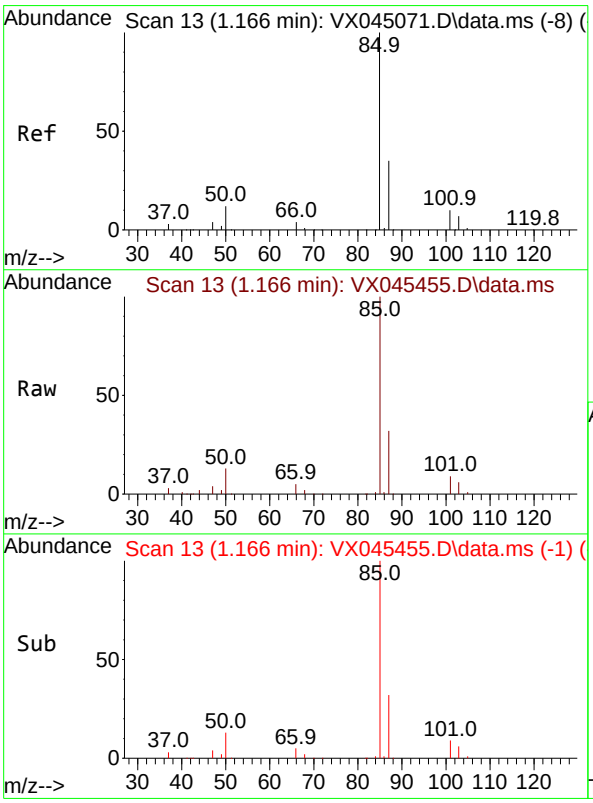
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045455.D
Acq: 25 Mar 2025 21:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:168 Resp: 74211

Ion	Ratio	Lower	Upper
168	100		
99	66.9	48.2	72.4

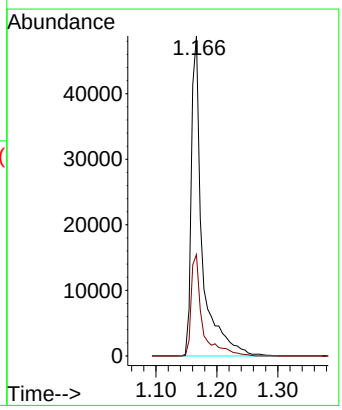


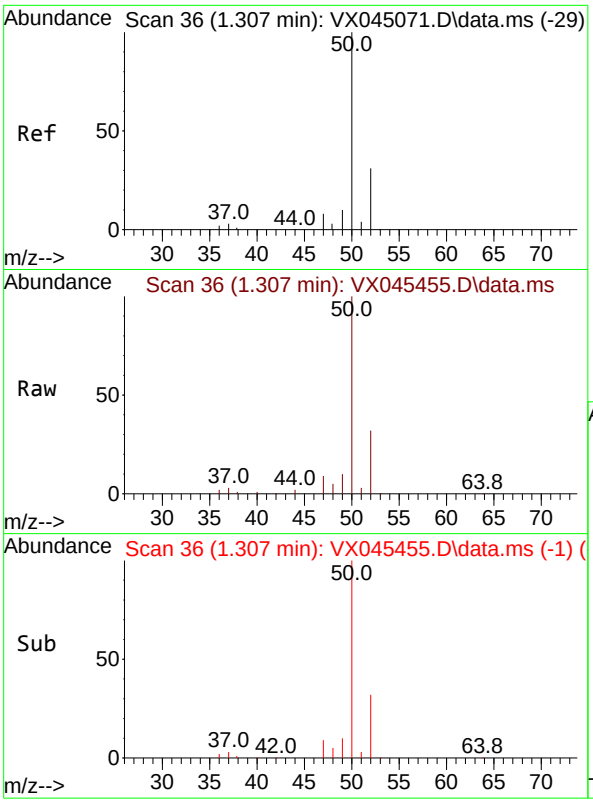


#2
Dichlorodifluoromethane
Concen: 65.042 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX045455.D
Acq: 25 Mar 2025 21:00

Tgt Ion: 85 Resp: 60758

Ion	Ratio	Lower	Upper
85	100		
87	31.7	17.4	52.3



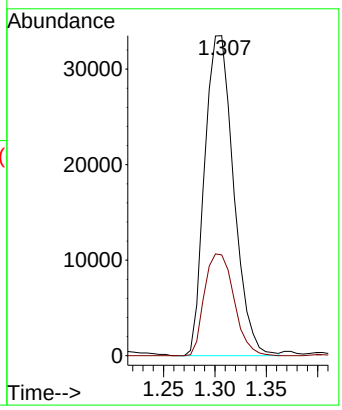


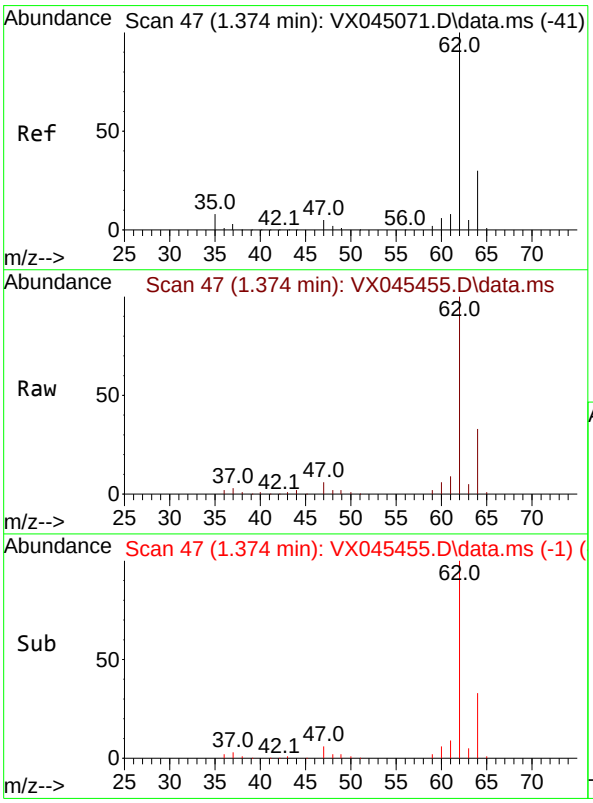
#3
Chloromethane
Concen: 57.417 ug/l
RT: 1.307 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045455.D
Acq: 25 Mar 2025 21:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 50 Resp: 65638

Ion	Ratio	Lower	Upper
50	100		
52	31.5	25.0	37.4

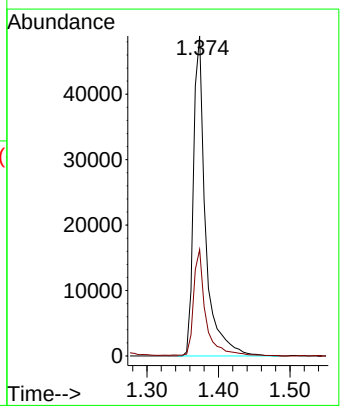


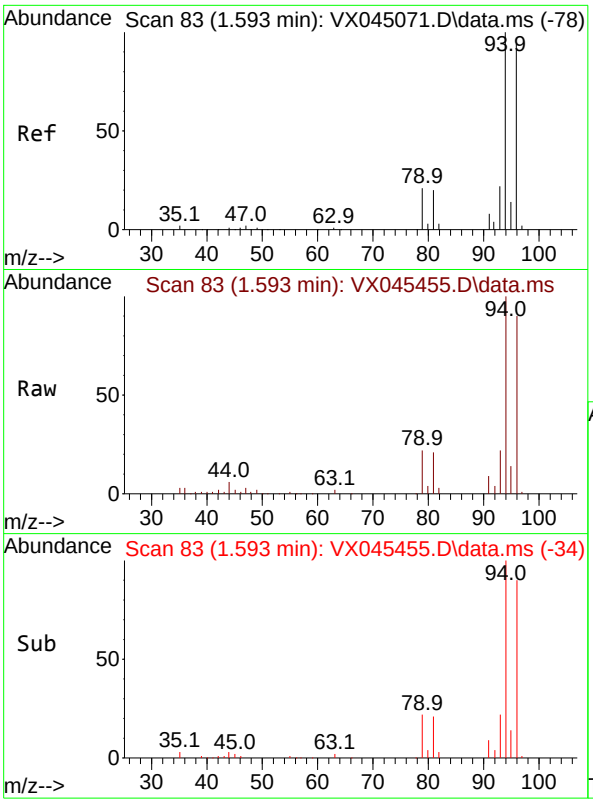


#4
Vinyl Chloride
Concen: 50.657 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX045455.D
Acq: 25 Mar 2025 21:00

Tgt Ion: 62 Resp: 57448

Ion	Ratio	Lower	Upper
62	100		
64	33.1	24.3	36.5



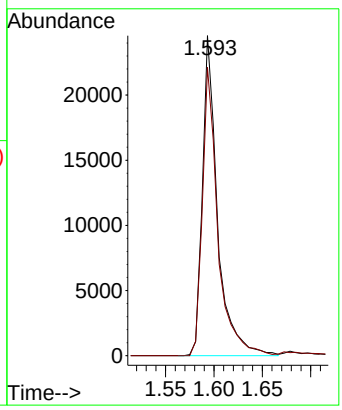


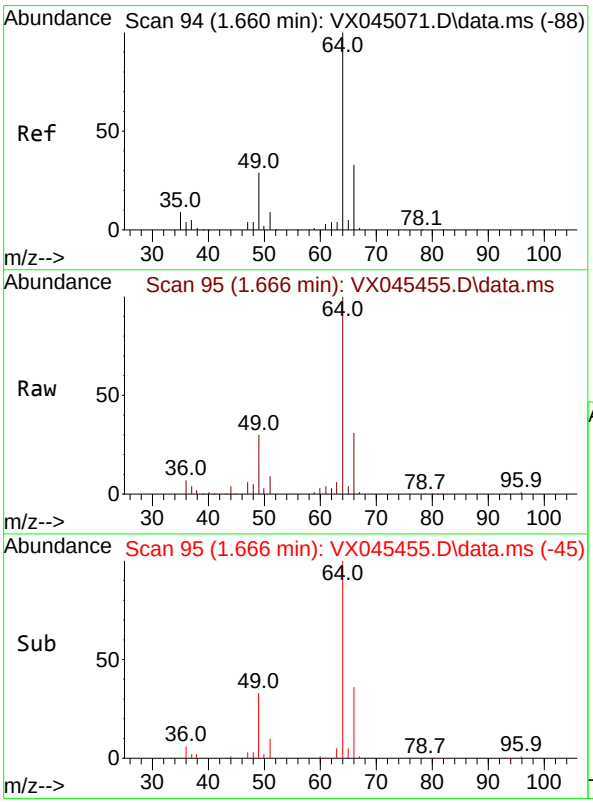
#5
Bromomethane
Concen: 60.177 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045455.D
Acq: 25 Mar 2025 21:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 94 Resp: 26828

Ion	Ratio	Lower	Upper
94	100		
96	90.0	75.0	112.4

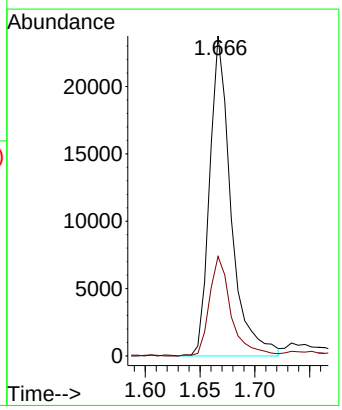


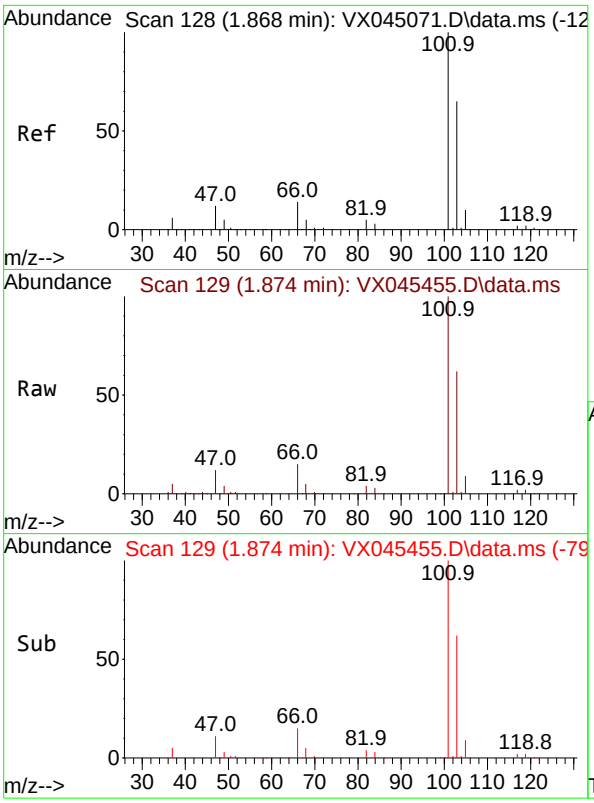


#6
Chloroethane
Concen: 61.459 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.006 min
Lab File: VX045455.D
Acq: 25 Mar 2025 21:00

Tgt Ion: 64 Resp: 32149

Ion	Ratio	Lower	Upper
64	100		
66	31.1	26.7	40.1



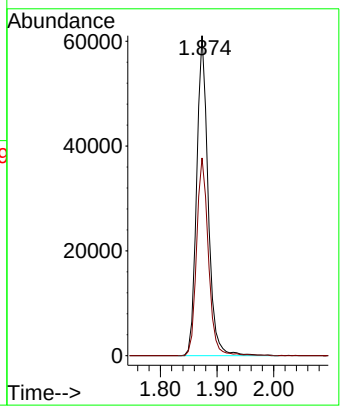


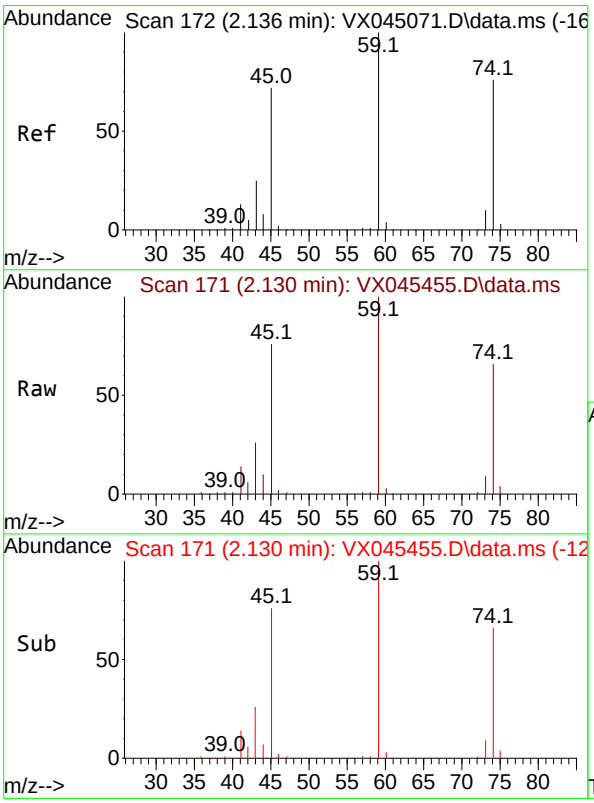
#7
Trichlorofluoromethane
Concen: 57.053 ug/l
RT: 1.874 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045455.D
Acq: 25 Mar 2025 21:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:101 Resp: 85653

Ion	Ratio	Lower	Upper
101	100		
103	61.8	52.1	78.1

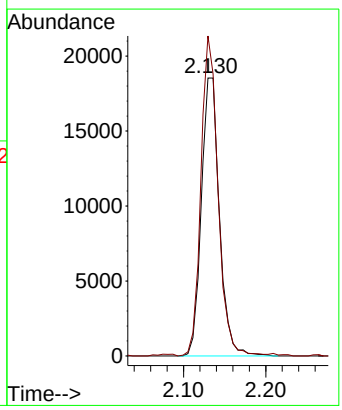


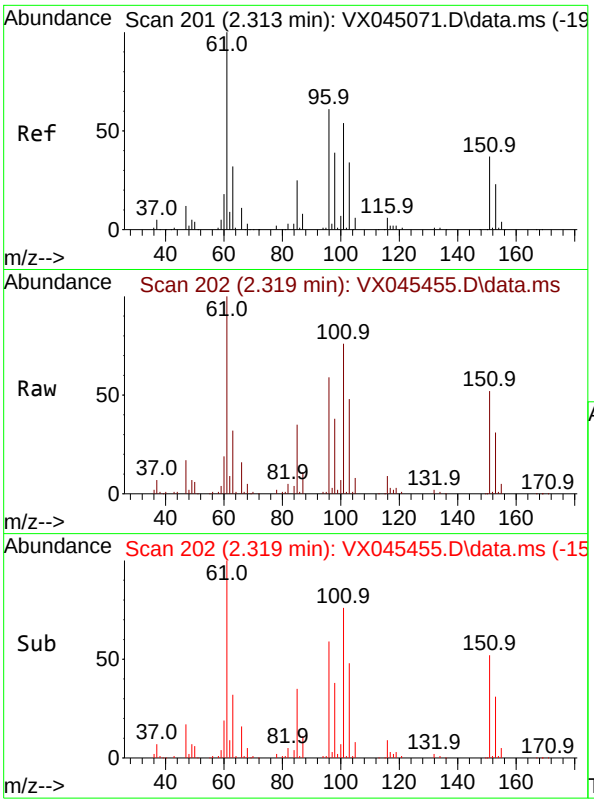


#8
Diethyl Ether
Concen: 48.076 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX045455.D
Acq: 25 Mar 2025 21:00

Tgt Ion: 74 Resp: 28231

Ion	Ratio	Lower	Upper
74	100		
45	109.1	51.5	154.5



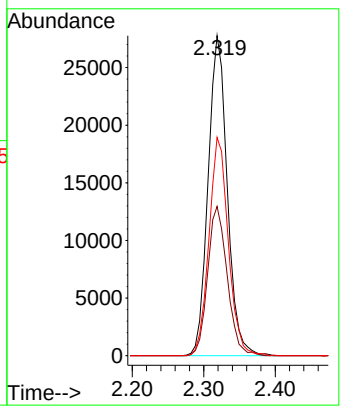


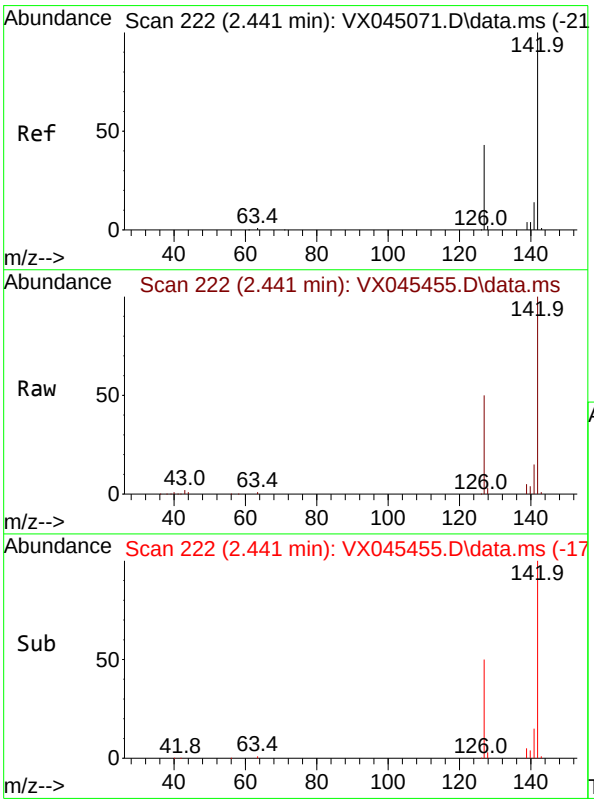
#9
1,1,2-Trichlorotrifluoroethane
Concen: 59.961 ug/l
RT: 2.319 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX045455.D
Acq: 25 Mar 2025 21:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:101 Resp: 51717

Ion	Ratio	Lower	Upper
101	100		
85	47.6	36.2	54.4
151	68.8	56.4	84.6

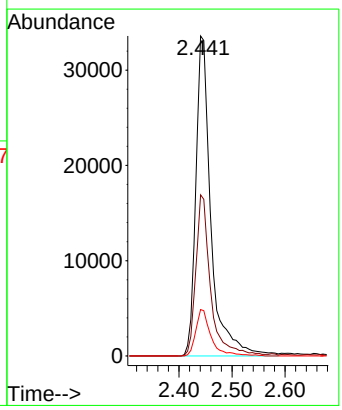


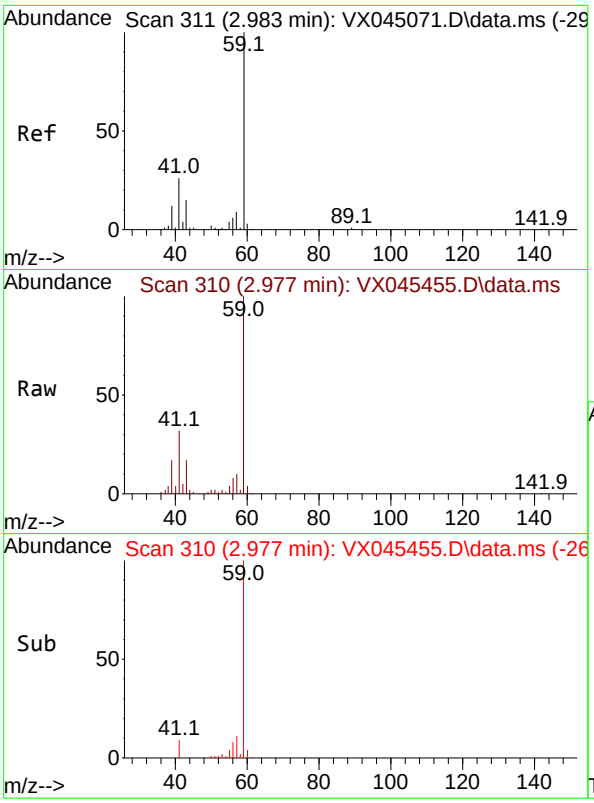


#10
Methyl Iodide
Concen: 61.999 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX045455.D
Acq: 25 Mar 2025 21:00

Tgt Ion:142 Resp: 66828

Ion	Ratio	Lower	Upper
142	100		
127	49.2	35.4	53.2
141	14.6	11.6	17.4



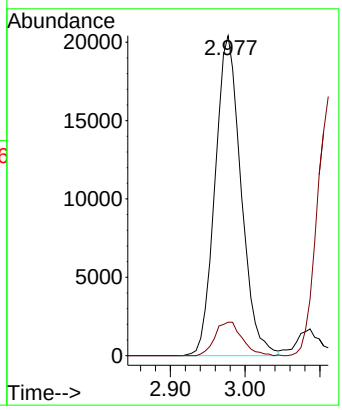


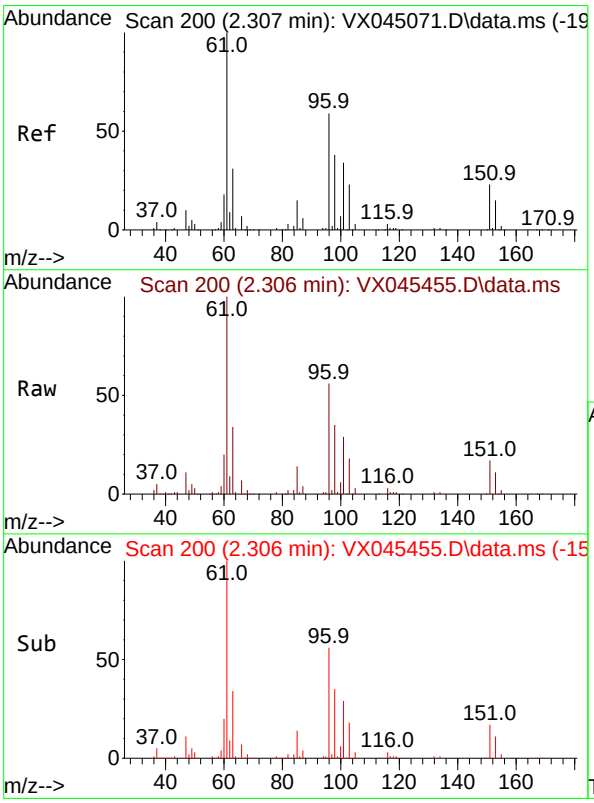
#11
Tert butyl alcohol
Concen: 220.637 ug/l
RT: 2.977 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045455.D
Acq: 25 Mar 2025 21:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 59 Resp: 49333

Ion	Ratio	Lower	Upper
59	100		
57	11.0	7.8	11.8

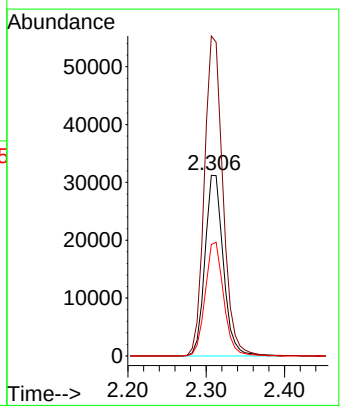


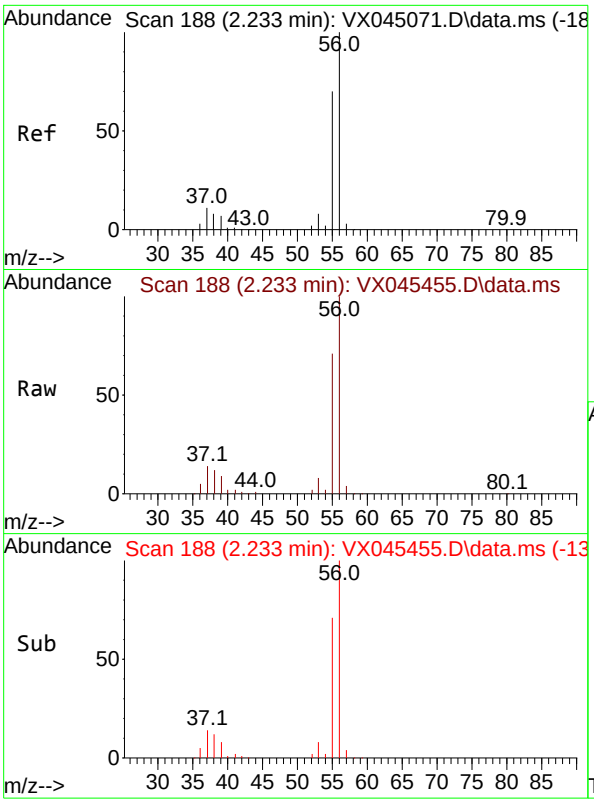


#12
1,1-Dichloroethene
Concen: 55.640 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX045455.D
Acq: 25 Mar 2025 21:00

Tgt Ion: 96 Resp: 50738

Ion	Ratio	Lower	Upper
96	100		
61	177.1	134.6	202.0
98	61.7	51.0	76.6



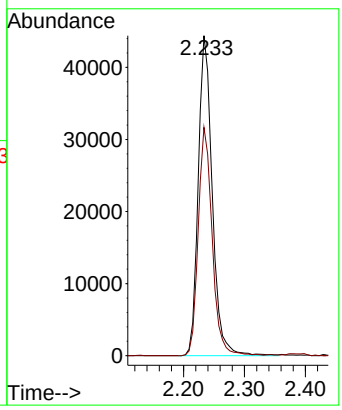


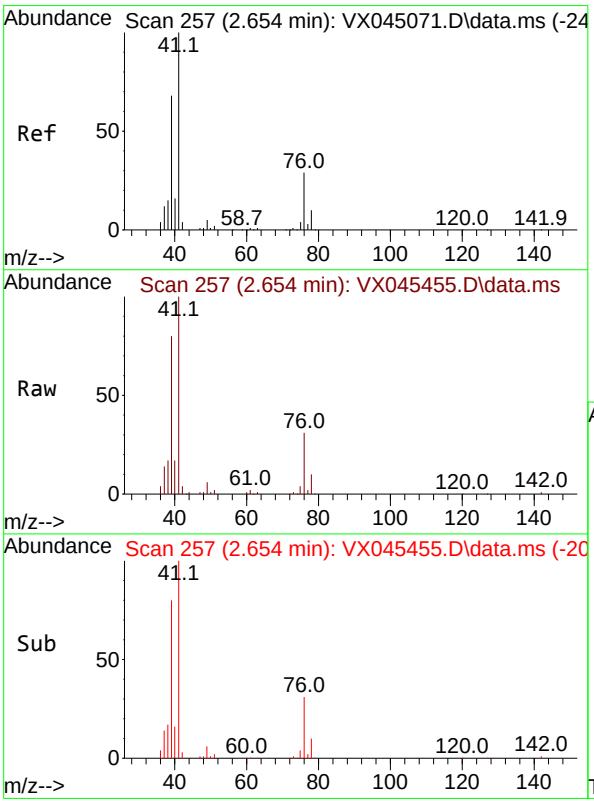
#13
Acrolein
Concen: 274.979 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045455.D
Acq: 25 Mar 2025 21:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 56 Resp: 71073

Ion	Ratio	Lower	Upper
56	100		
55	71.1	56.2	84.4

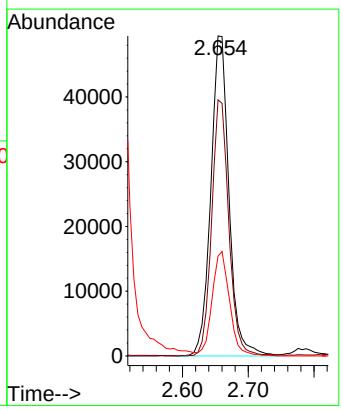


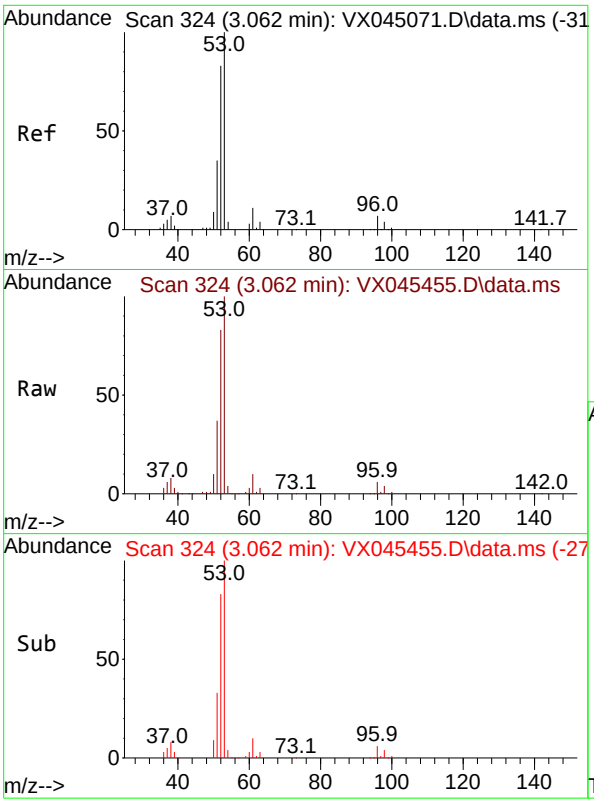


#14
Allyl chloride
Concen: 58.584 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX045455.D
Acq: 25 Mar 2025 21:00

Tgt Ion: 41 Resp: 95094

Ion	Ratio	Lower	Upper
41	100		
39	75.6	53.8	80.8
76	31.5	25.2	37.8



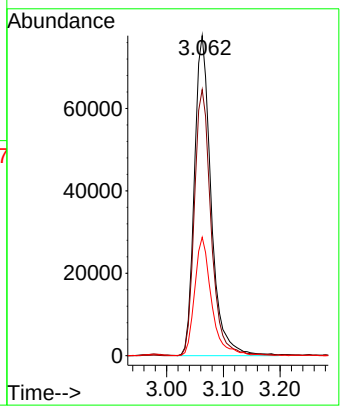


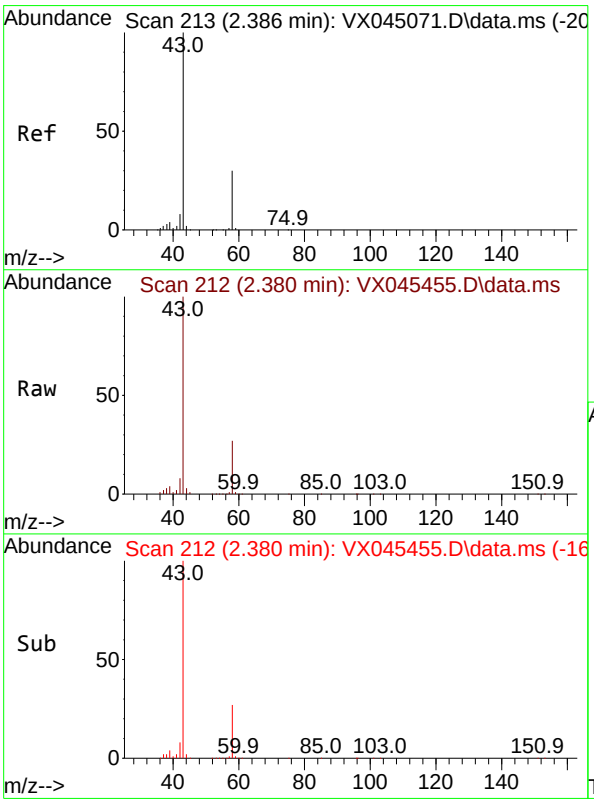
#15
Acrylonitrile
Concen: 265.855 ug/l
RT: 3.062 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045455.D
Acq: 25 Mar 2025 21:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 53 Resp: 159315

Ion	Ratio	Lower	Upper
53	100		
52	83.5	66.2	99.2
51	37.0	29.0	43.4

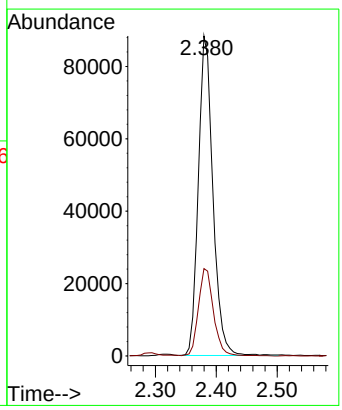


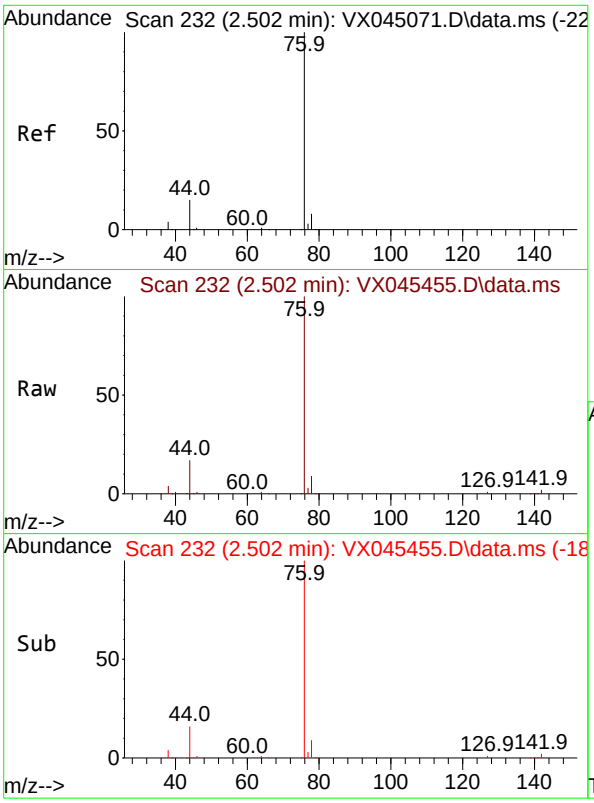


#16
Acetone
Concen: 267.586 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX045455.D
Acq: 25 Mar 2025 21:00

Tgt Ion: 43 Resp: 146553

Ion	Ratio	Lower	Upper
43	100		
58	27.3	24.2	36.4



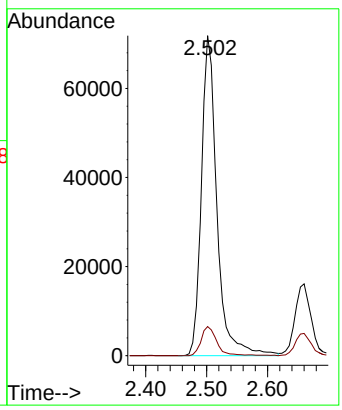


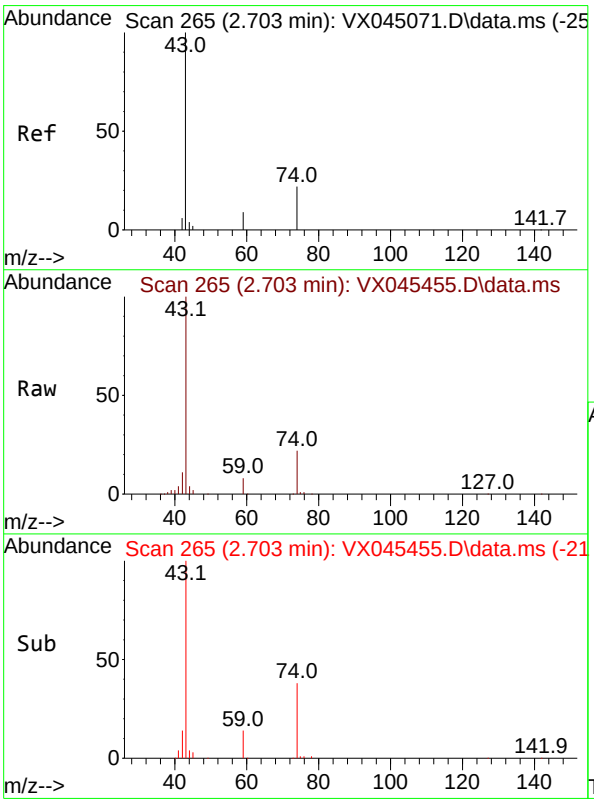
#17
Carbon Disulfide
Concen: 52.381 ug/l
RT: 2.502 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045455.D
Acq: 25 Mar 2025 21:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 76 Resp: 127223

Ion	Ratio	Lower	Upper
76	100		
78	9.1	6.6	9.8

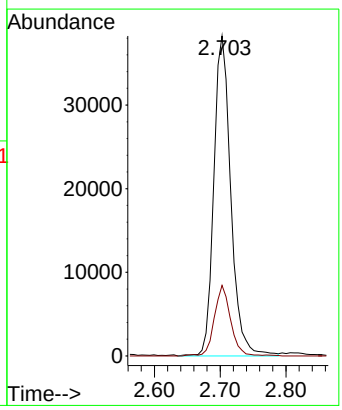


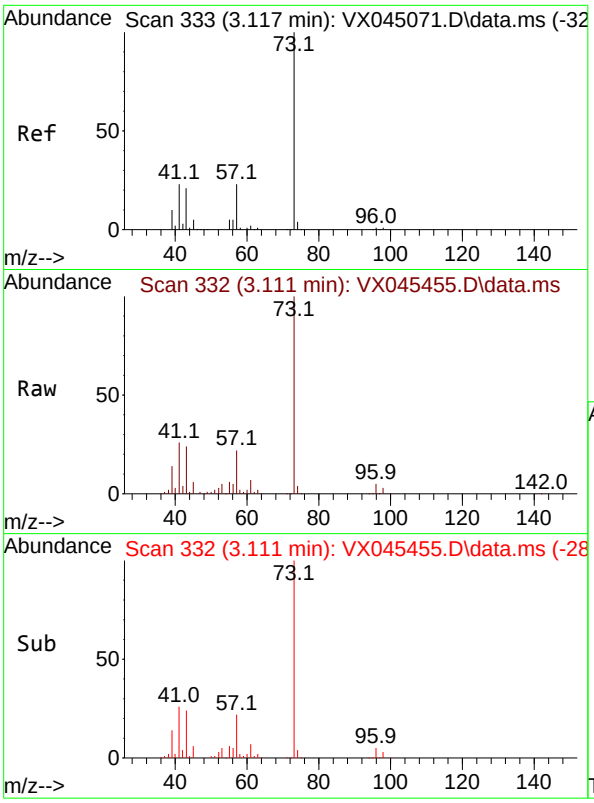


#18
Methyl Acetate
Concen: 52.322 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX045455.D
Acq: 25 Mar 2025 21:00

Tgt Ion: 43 Resp: 68937

Ion	Ratio	Lower	Upper
43	100		
74	21.1	17.4	26.2



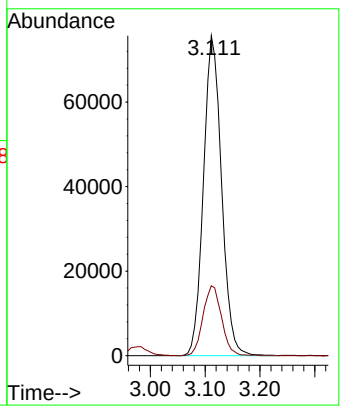


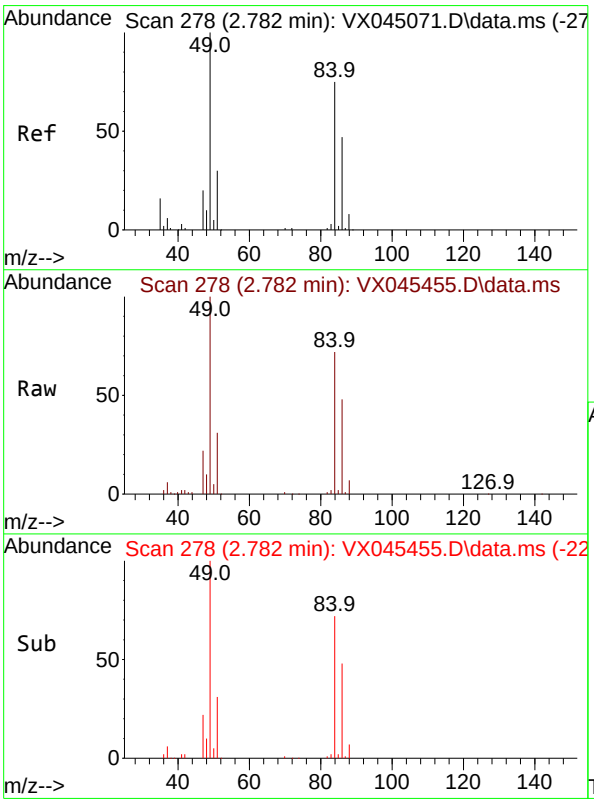
#19
Methyl tert-butyl Ether
Concen: 56.621 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045455.D
Acq: 25 Mar 2025 21:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 73 Resp: 173226

Ion	Ratio	Lower	Upper
73	100		
57	21.8	18.5	27.7

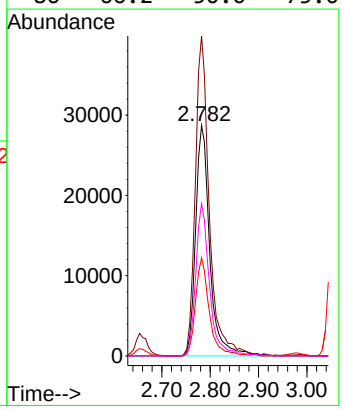


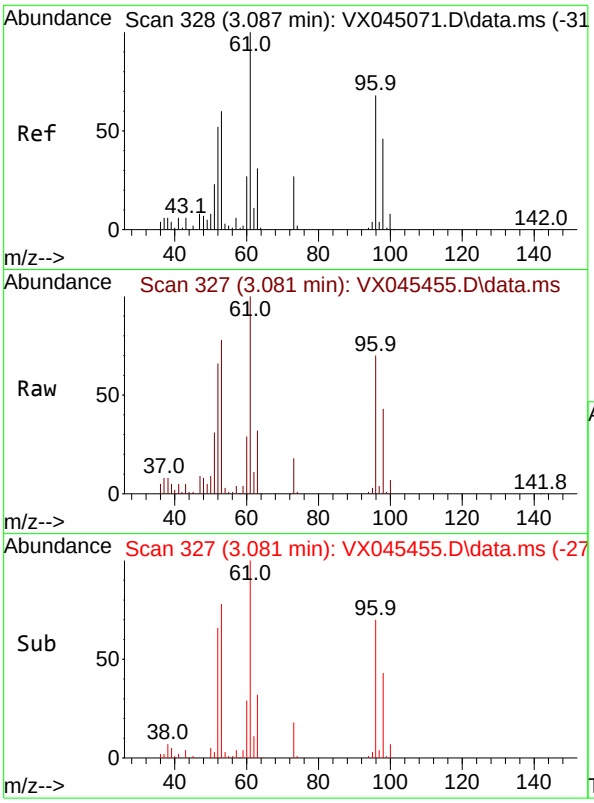


#20
Methylene Chloride
Concen: 53.728 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX045455.D
Acq: 25 Mar 2025 21:00

Tgt Ion: 84 Resp: 58289

Ion	Ratio	Lower	Upper
84	100		
49	138.8	106.5	159.7
51	42.5	32.1	48.1
86	66.2	50.0	75.0



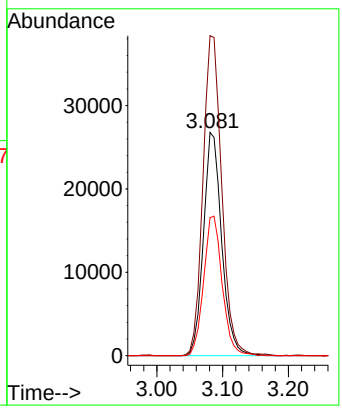


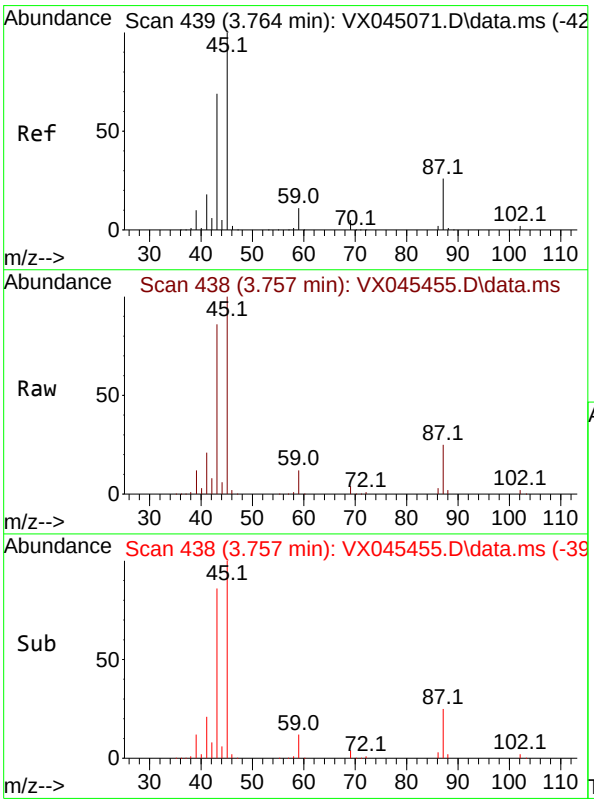
#21
trans-1,2-Dichloroethene
Concen: 57.338 ug/l
RT: 3.081 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045455.D
Acq: 25 Mar 2025 21:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 96 Resp: 51655

Ion	Ratio	Lower	Upper
96	100		
61	143.4	117.0	175.4
98	61.8	53.4	80.2

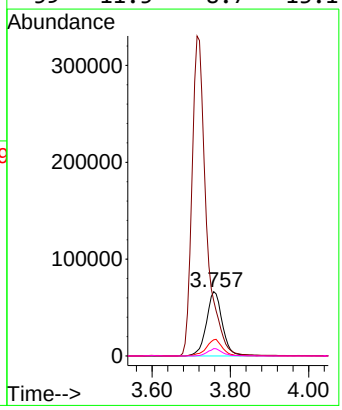


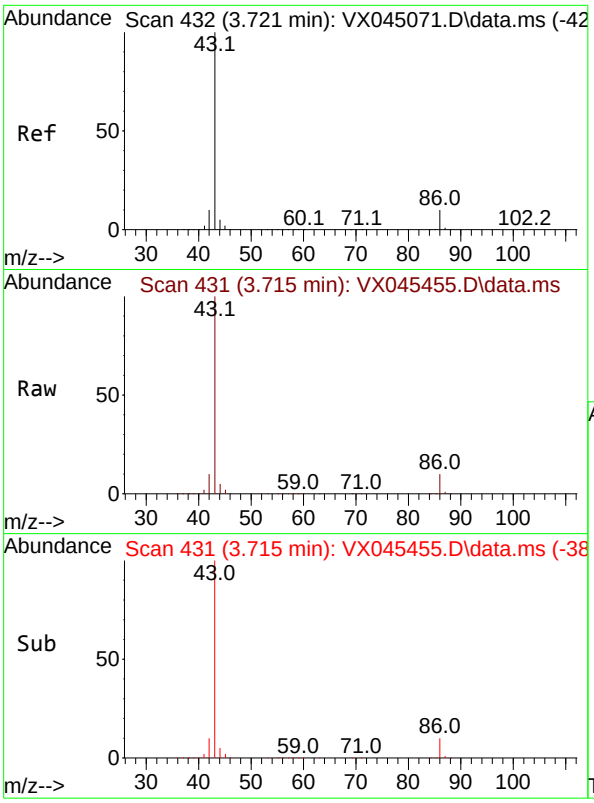


#22
Diisopropyl ether
Concen: 56.926 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.006 min
Lab File: VX045455.D
Acq: 25 Mar 2025 21:00

Tgt Ion: 45 Resp: 187925

Ion	Ratio	Lower	Upper
45	100		
43	85.8	54.9	82.3#
87	25.2	21.0	31.4
59	11.5	8.7	13.1



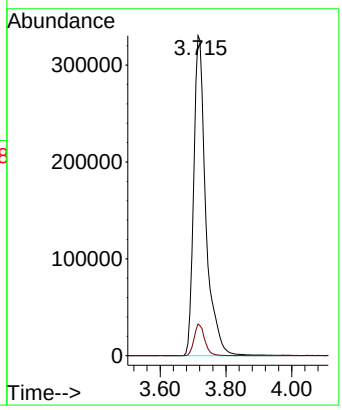


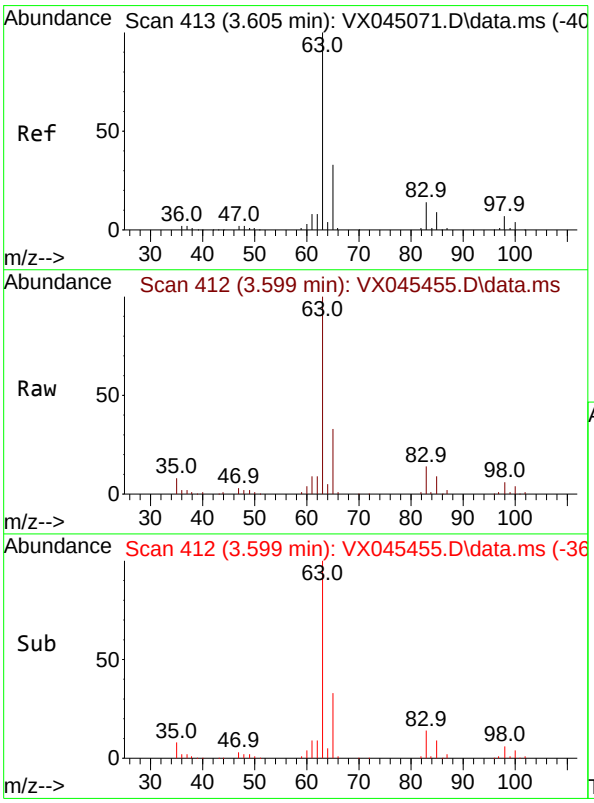
#23
Vinyl Acetate
Concen: 307.283 ug/l
RT: 3.715 min Scan# 4
Delta R.T. -0.006 min
Lab File: VX045455.D
Acq: 25 Mar 2025 21:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 846535

Ion	Ratio	Lower	Upper
43	100		
86	9.9	8.1	12.1

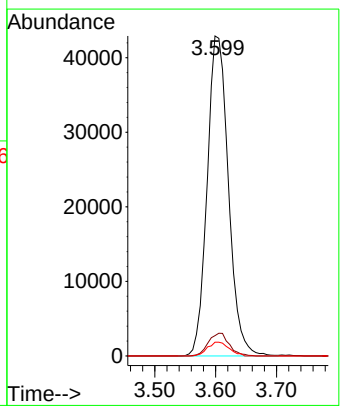


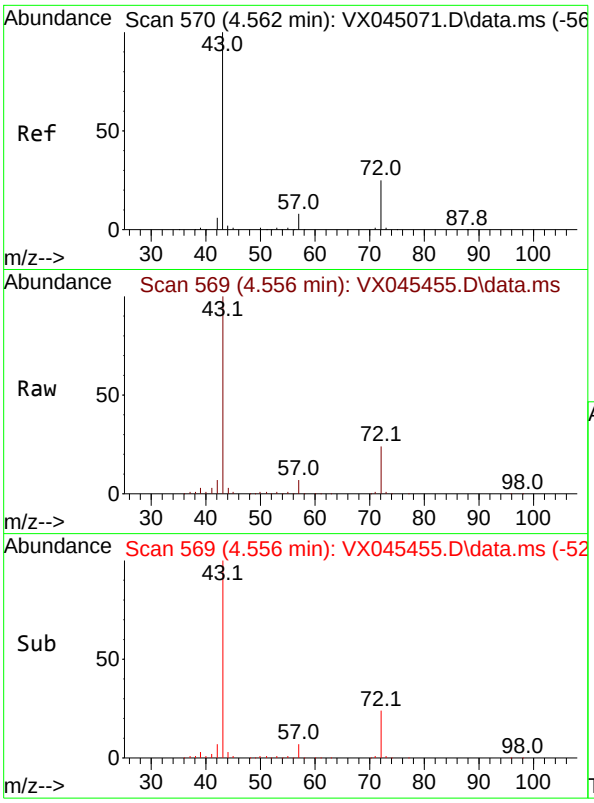


#24
1,1-Dichloroethane
Concen: 56.314 ug/l
RT: 3.599 min Scan# 412
Delta R.T. -0.006 min
Lab File: VX045455.D
Acq: 25 Mar 2025 21:00

Tgt Ion: 63 Resp: 104188

Ion	Ratio	Lower	Upper
63	100		
98	6.4	3.4	10.2
100	4.3	2.1	6.5



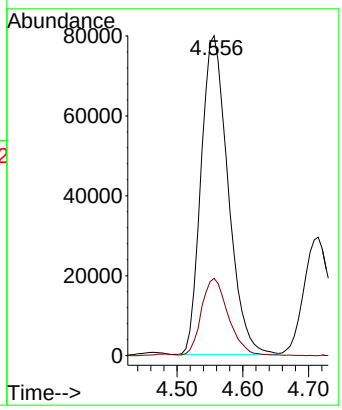


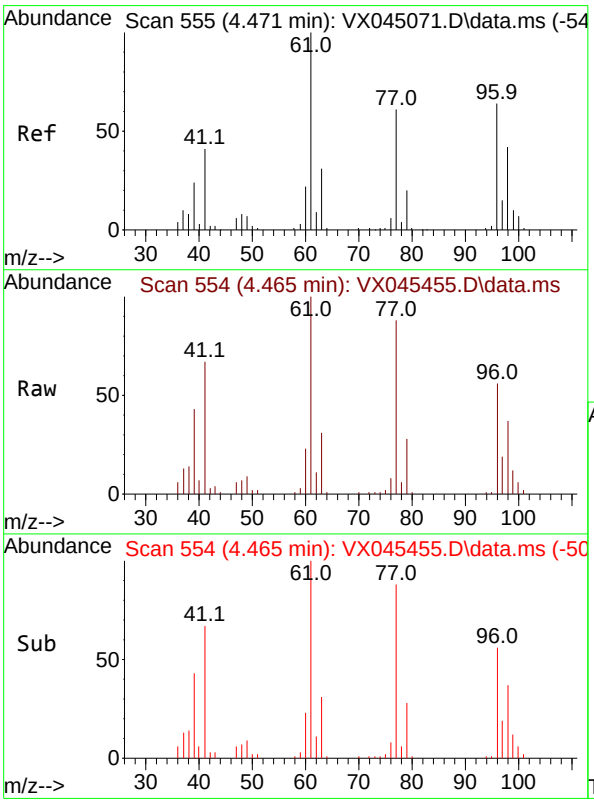
#25
2-Butanone
Concen: 275.806 ug/l
RT: 4.556 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX045455.D
Acq: 25 Mar 2025 21:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 227375

Ion	Ratio	Lower	Upper
43	100		
72	24.0	20.0	30.0

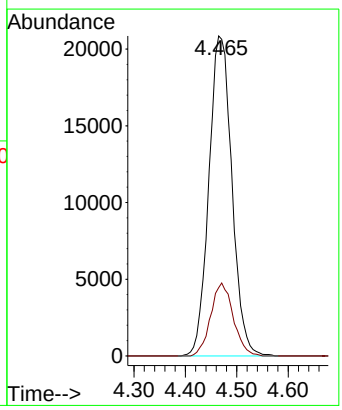


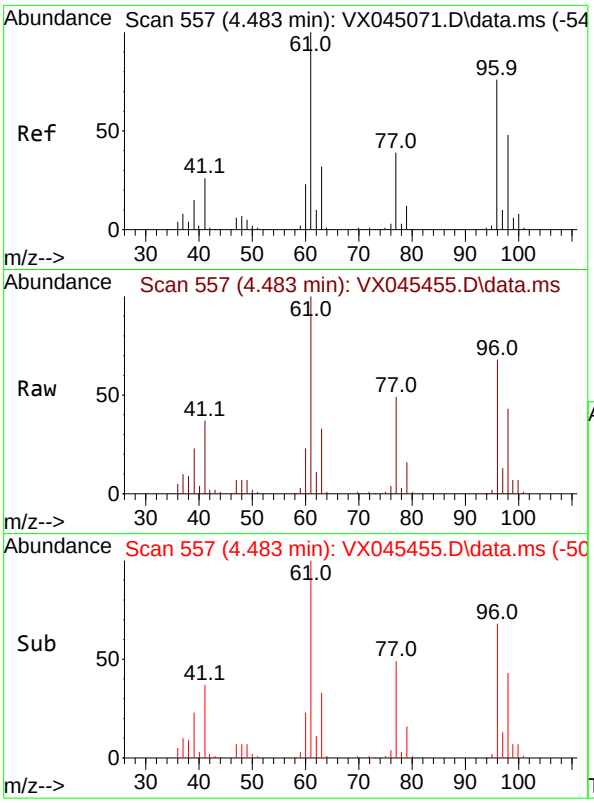


#26
2,2-Dichloropropane
Concen: 74.708 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.006 min
Lab File: VX045455.D
Acq: 25 Mar 2025 21:00

Tgt Ion: 77 Resp: 64832

Ion	Ratio	Lower	Upper
77	100		
97	22.4	12.4	37.0



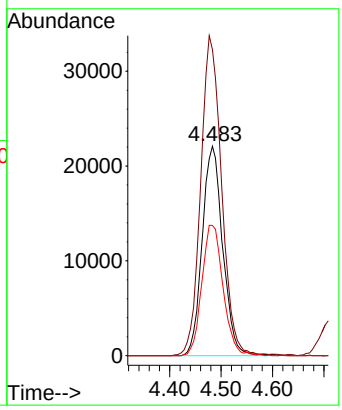


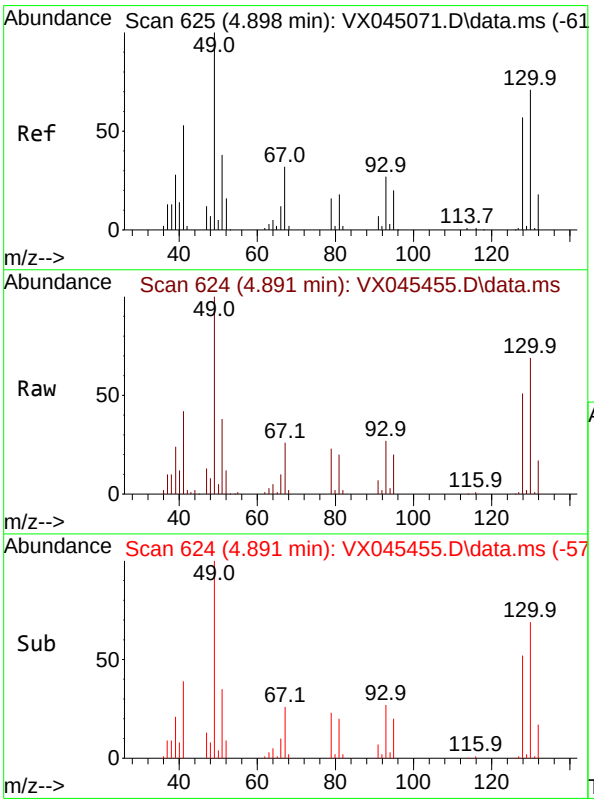
#27
cis-1,2-Dichloroethene
Concen: 55.084 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045455.D
Acq: 25 Mar 2025 21:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 96 Resp: 61259

Ion	Ratio	Lower	Upper
96	100		
61	155.7	0.0	283.2
98	64.3	0.0	128.0

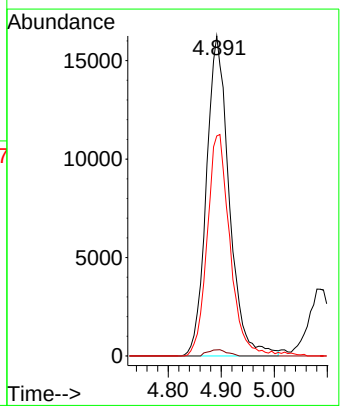


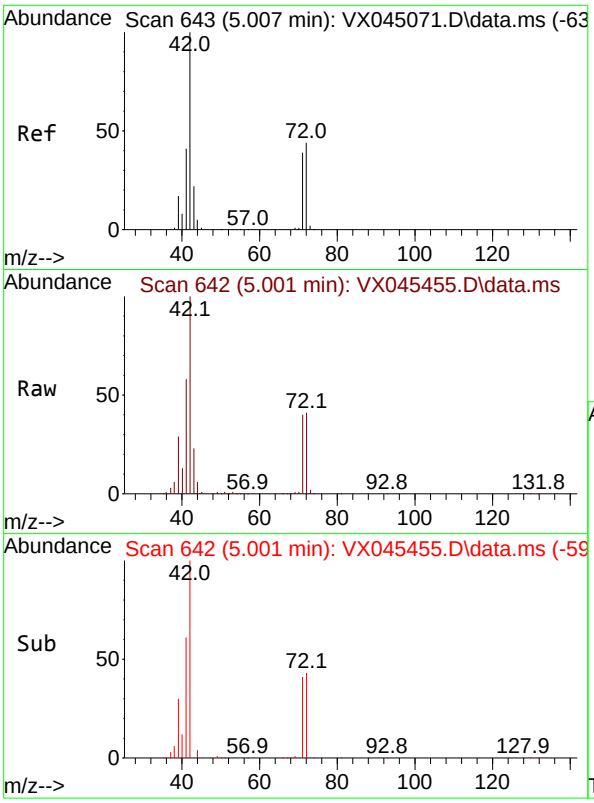


#28
Bromochloromethane
Concen: 55.038 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX045455.D
Acq: 25 Mar 2025 21:00

Tgt Ion: 49 Resp: 48535

Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.4
130	68.6	56.1	84.1



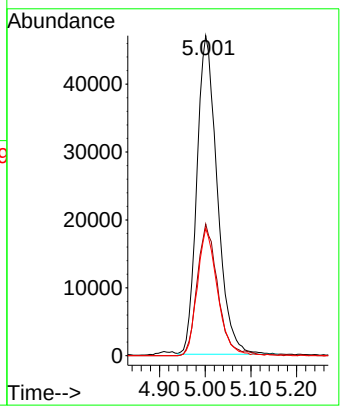


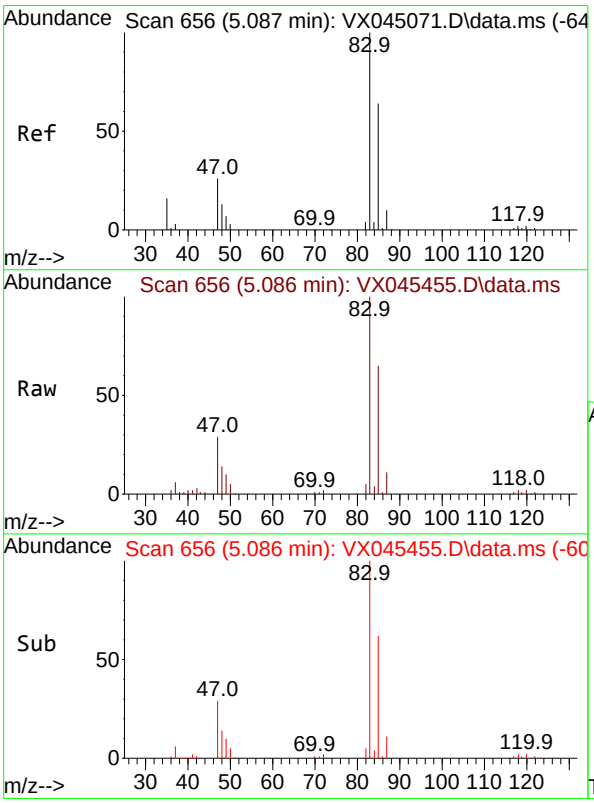
#29
Tetrahydrofuran
Concen: 262.606 ug/l
RT: 5.001 min Scan# 64
Delta R.T. -0.006 min
Lab File: VX045455.D
Acq: 25 Mar 2025 21:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 42 Resp: 145386

Ion	Ratio	Lower	Upper
42	100		
72	41.6	34.1	51.1
71	39.3	31.4	47.0

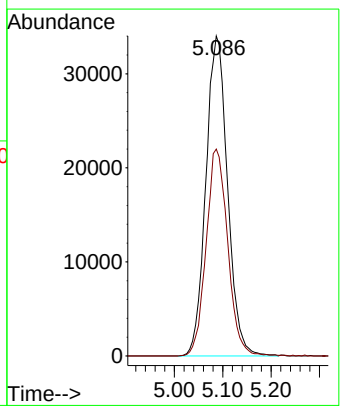


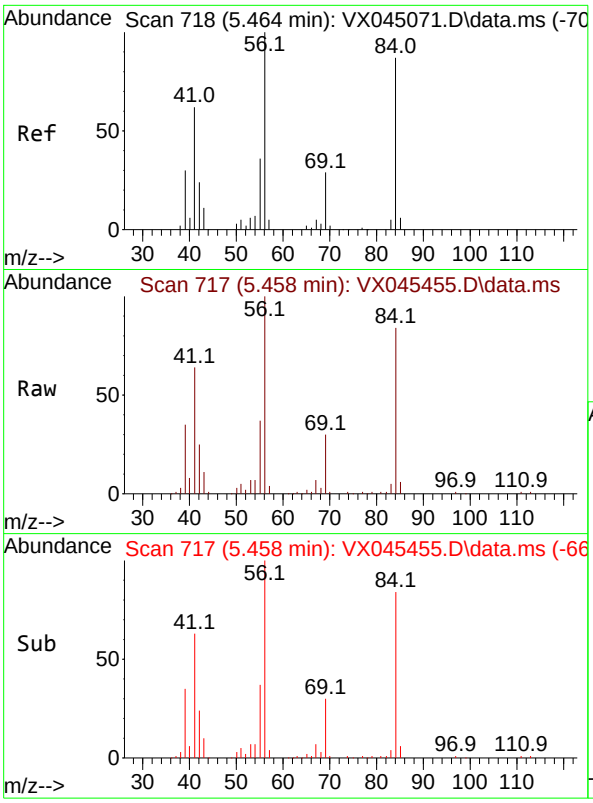


#30
Chloroform
Concen: 57.585 ug/l
RT: 5.086 min Scan# 656
Delta R.T. -0.000 min
Lab File: VX045455.D
Acq: 25 Mar 2025 21:00

Tgt Ion: 83 Resp: 105858

Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.4	77.2



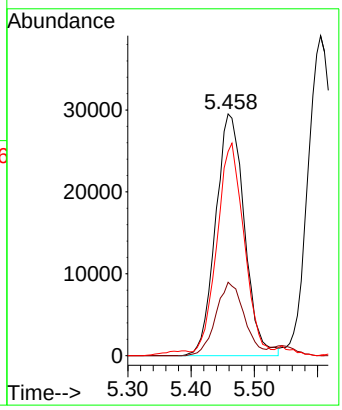


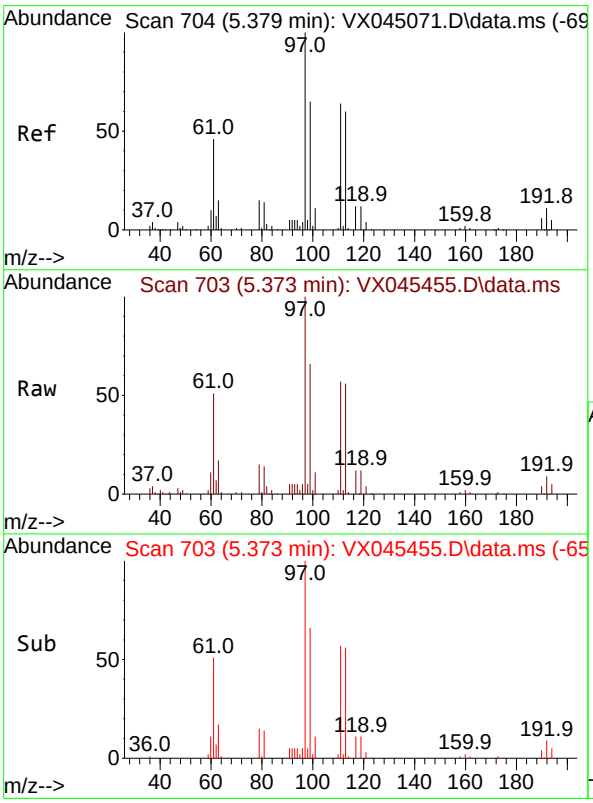
#31
Cyclohexane
Concen: 57.952 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045455.D
Acq: 25 Mar 2025 21:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 56 Resp: 93071

Ion	Ratio	Lower	Upper
56	100		
69	30.4	23.4	35.2
84	82.7	69.4	104.2

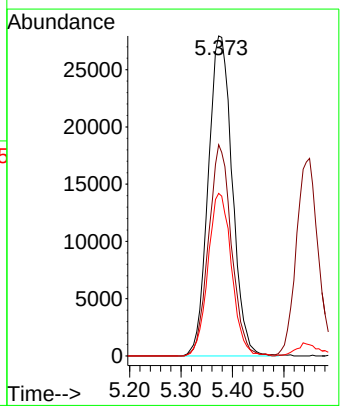


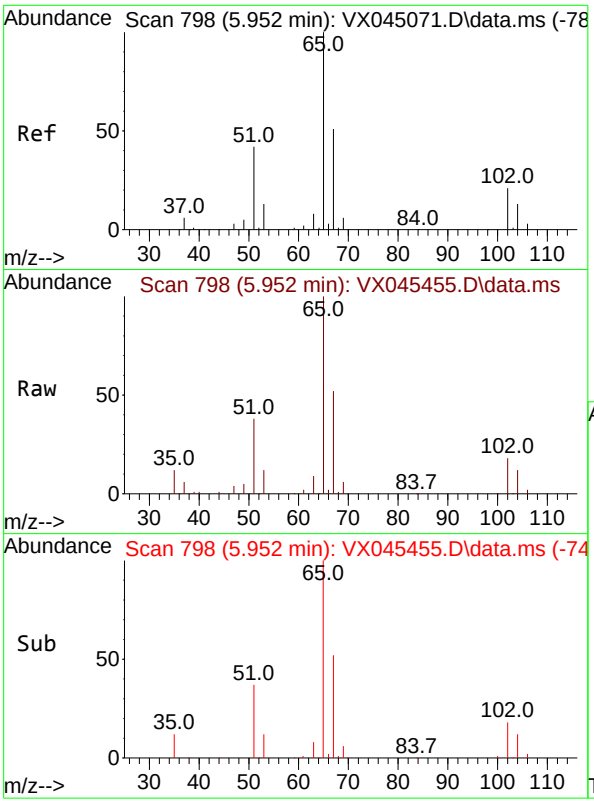


#32
1,1,1-Trichloroethane
Concen: 60.925 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.006 min
Lab File: VX045455.D
Acq: 25 Mar 2025 21:00

Tgt Ion: 97 Resp: 90456

Ion	Ratio	Lower	Upper
97	100		
99	63.2	51.6	77.4
61	50.1	38.4	57.6



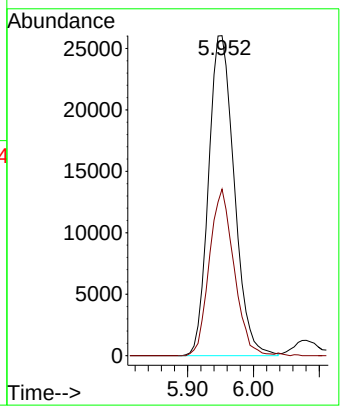


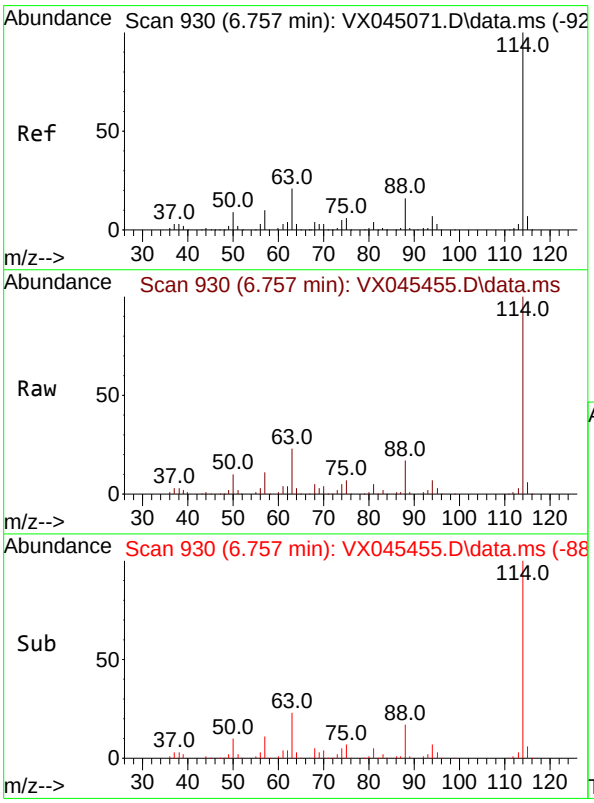
#33
1,2-Dichloroethane-d4
Concen: 59.981 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045455.D
Acq: 25 Mar 2025 21:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 65 Resp: 70804

Ion	Ratio	Lower	Upper
65	100		
67	49.9	0.0	106.2

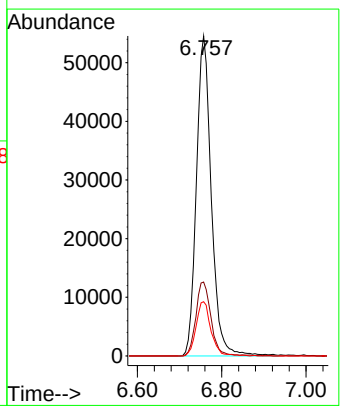


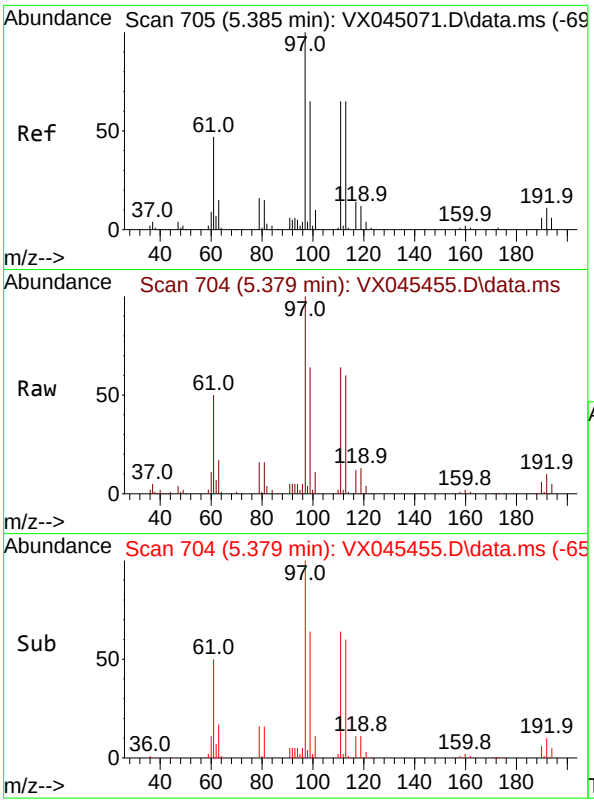


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX045455.D
Acq: 25 Mar 2025 21:00

Tgt Ion:114 Resp: 134524

Ion	Ratio	Lower	Upper
114	100		
63	23.1	0.0	41.8
88	17.0	0.0	32.8



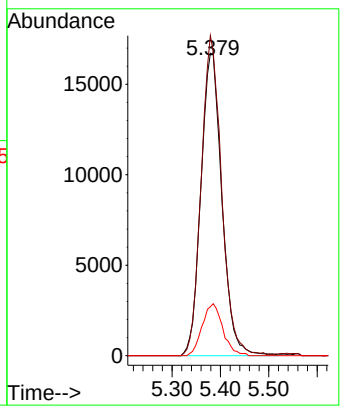


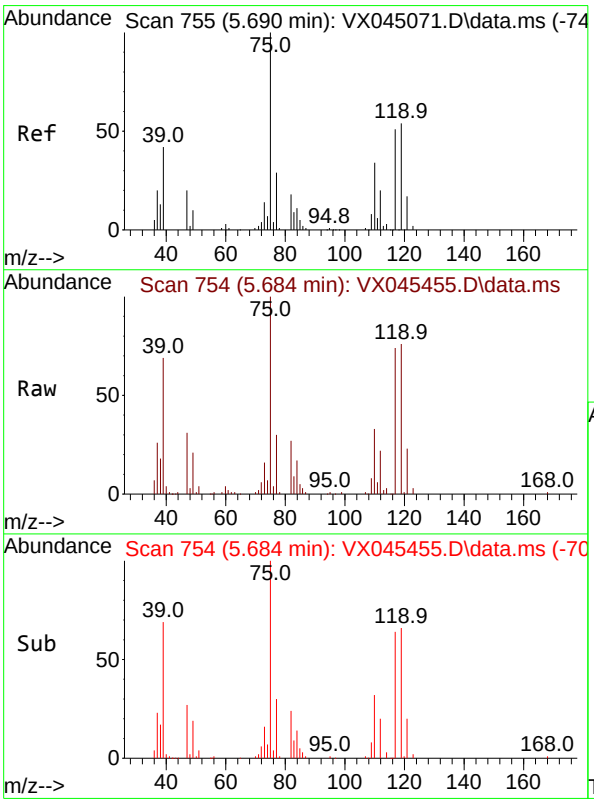
#35
Dibromofluoromethane
Concen: 56.066 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045455.D
Acq: 25 Mar 2025 21:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:113 Resp: 50433

Ion	Ratio	Lower	Upper
113	100		
111	102.5	81.8	122.6
192	16.8	14.3	21.5

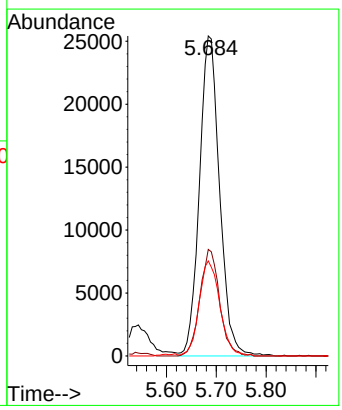


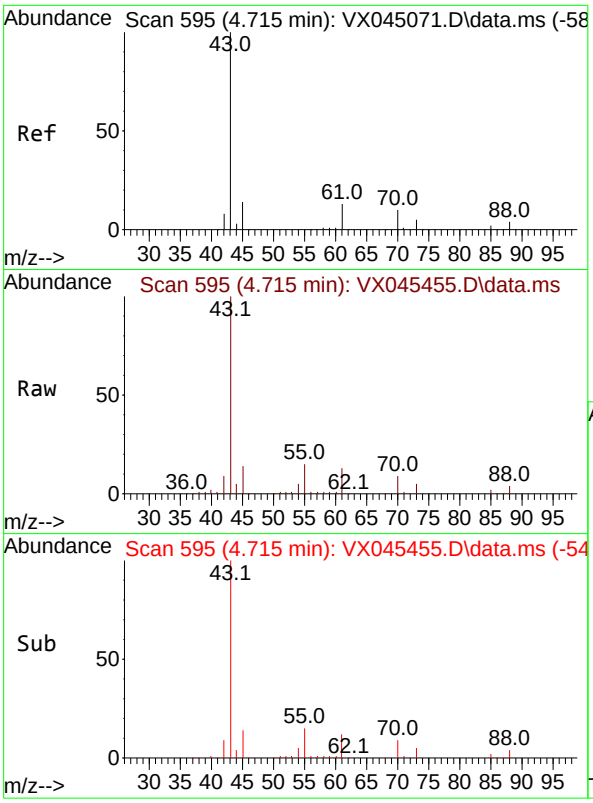


#36
1,1-Dichloropropene
Concen: 57.863 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX045455.D
Acq: 25 Mar 2025 21:00

Tgt Ion: 75 Resp: 71380

Ion	Ratio	Lower	Upper
75	100		
110	32.5	16.9	50.6
77	30.5	24.5	36.7



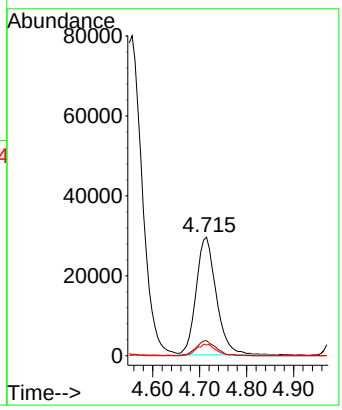


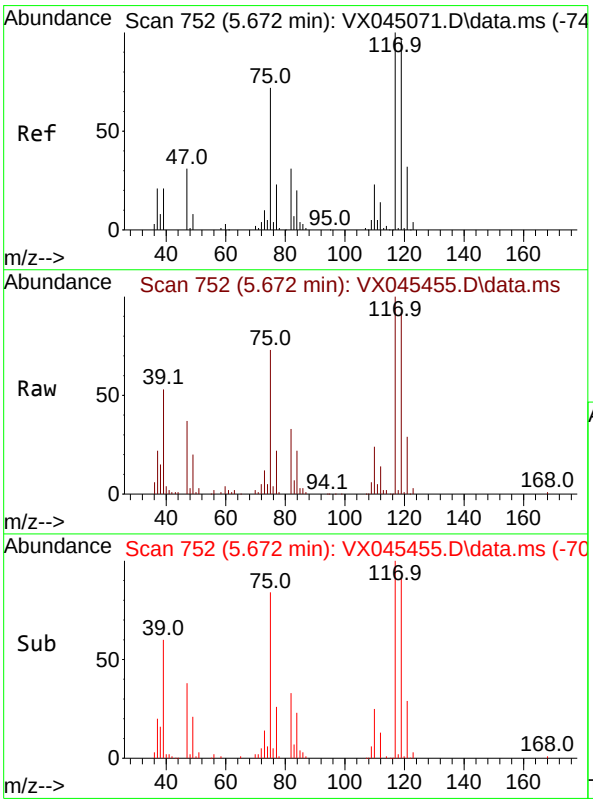
#37
Ethyl Acetate
Concen: 55.438 ug/l
RT: 4.715 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045455.D
Acq: 25 Mar 2025 21:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 88123

Ion	Ratio	Lower	Upper
43	100		
61	12.7	10.8	16.2
70	9.4	7.7	11.5

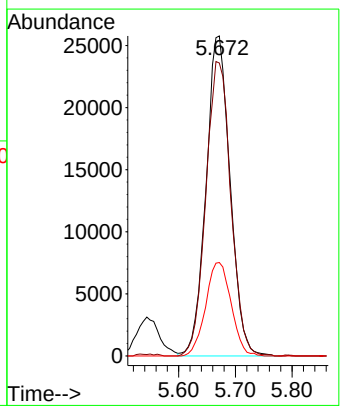


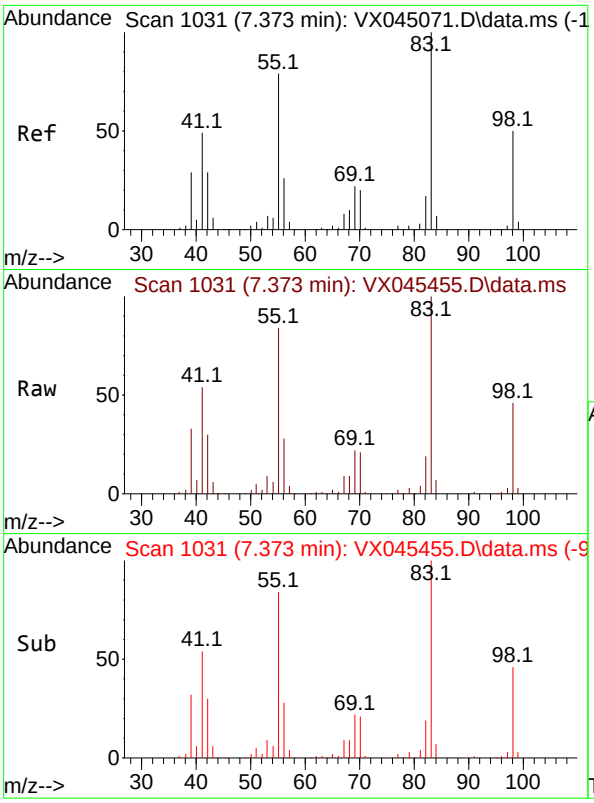


#38
Carbon Tetrachloride
Concen: 60.748 ug/l
RT: 5.672 min Scan# 752
Delta R.T. -0.000 min
Lab File: VX045455.D
Acq: 25 Mar 2025 21:00

Tgt Ion:117 Resp: 76081

Ion	Ratio	Lower	Upper
117	100		
119	91.6	76.7	115.1
121	29.2	25.5	38.3



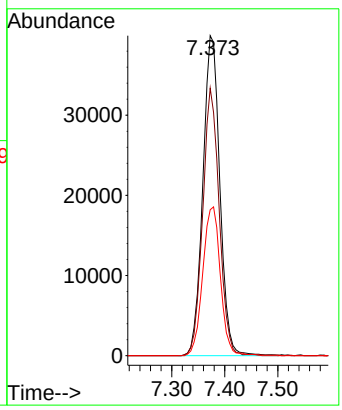


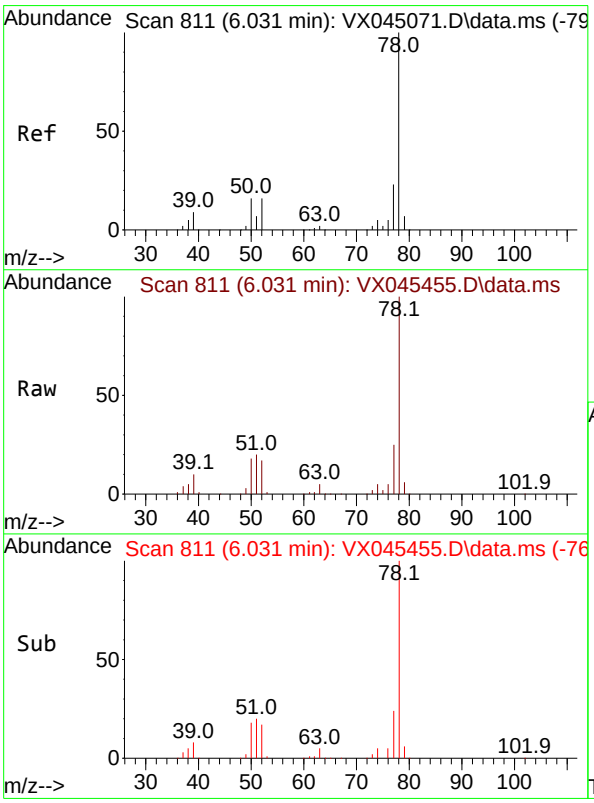
#39
Methylcyclohexane
Concen: 60.220 ug/l
RT: 7.373 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045455.D
Acq: 25 Mar 2025 21:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 89014

Ion	Ratio	Lower	Upper
83	100		
55	83.6	63.0	94.4
98	45.6	39.7	59.5

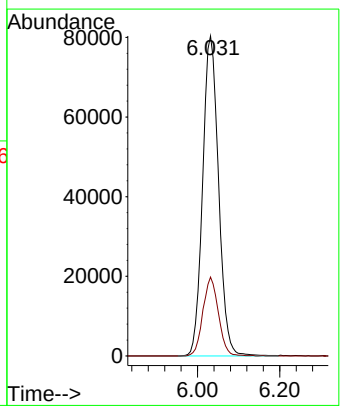


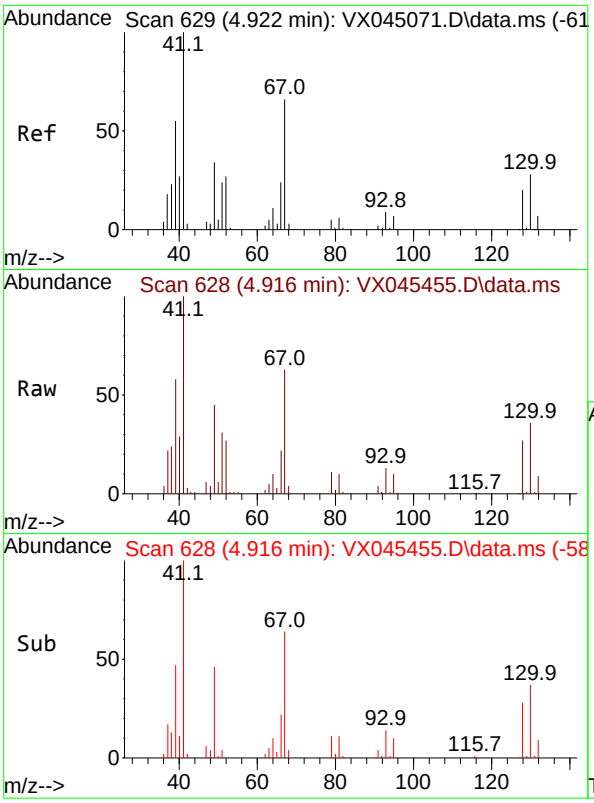


#40
Benzene
Concen: 55.448 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX045455.D
Acq: 25 Mar 2025 21:00

Tgt Ion: 78 Resp: 215997

Ion	Ratio	Lower	Upper
78	100		
77	24.7	18.8	28.2



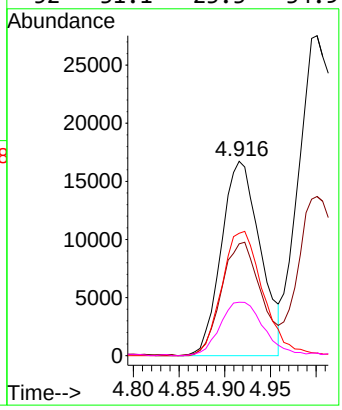


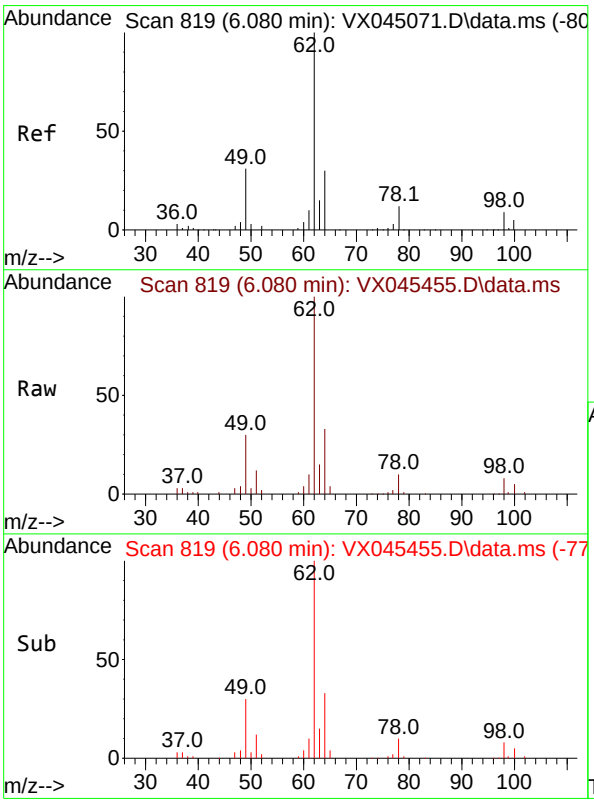
#41
Methacrylonitrile
Concen: 57.777 ug/l
RT: 4.916 min Scan# 6
Delta R.T. -0.006 min
Lab File: VX045455.D
Acq: 25 Mar 2025 21:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 41 Resp: 49660

Ion	Ratio	Lower	Upper
41	100		
39	59.4	44.6	67.0
67	68.0	53.9	80.9
52	31.1	23.3	34.9

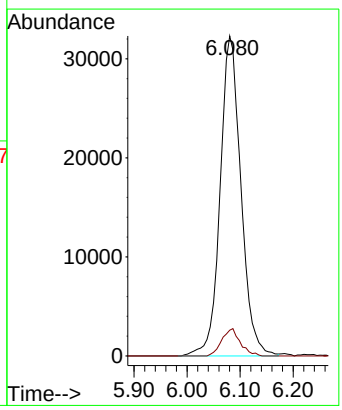


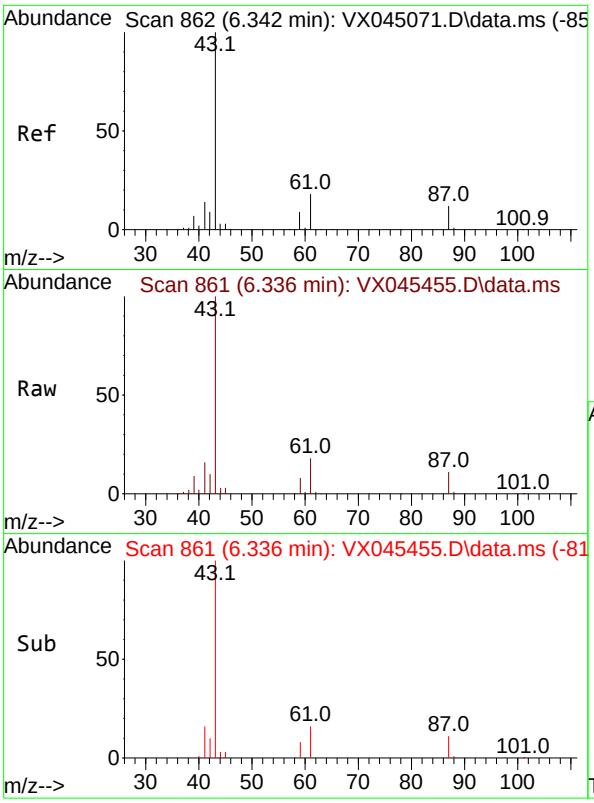


#42
1,2-Dichloroethane
Concen: 62.788 ug/l
RT: 6.080 min Scan# 819
Delta R.T. -0.000 min
Lab File: VX045455.D
Acq: 25 Mar 2025 21:00

Tgt Ion: 62 Resp: 88076

Ion	Ratio	Lower	Upper
62	100		
98	7.6	0.0	18.2



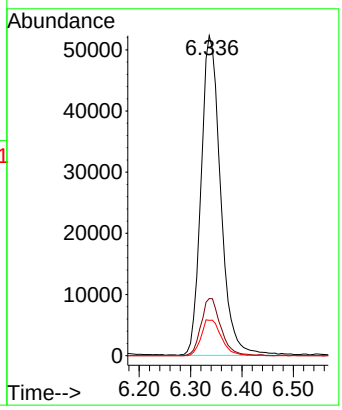


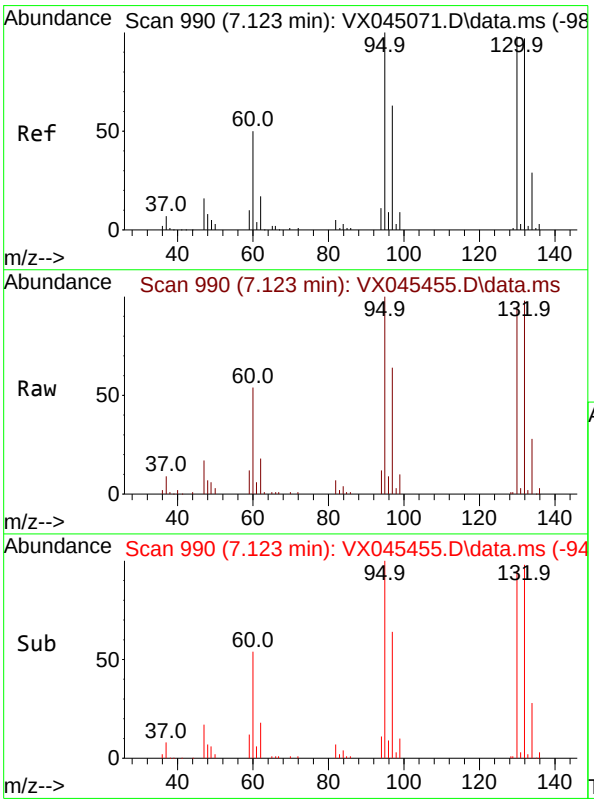
#43
Isopropyl Acetate
Concen: 58.665 ug/l
RT: 6.336 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX045455.D
Acq: 25 Mar 2025 21:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 137894

Ion	Ratio	Lower	Upper
43	100		
61	18.0	14.9	22.3
87	11.6	9.4	14.2

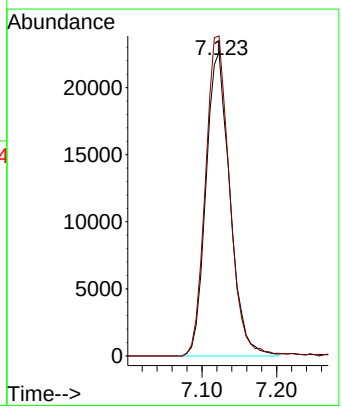


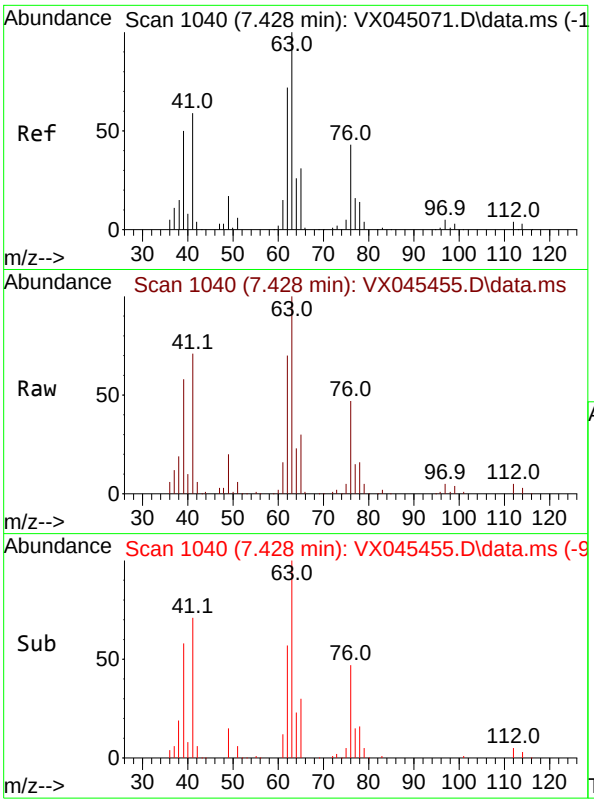


#44
Trichloroethene
Concen: 55.263 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX045455.D
Acq: 25 Mar 2025 21:00

Tgt Ion:130 Resp: 50548

Ion	Ratio	Lower	Upper
130	100		
95	105.3	0.0	205.0



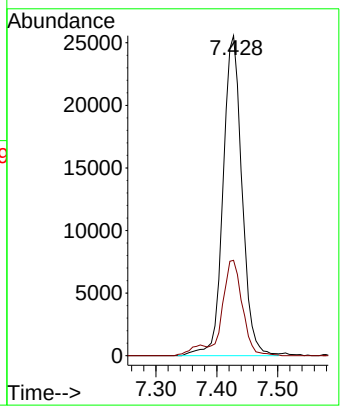


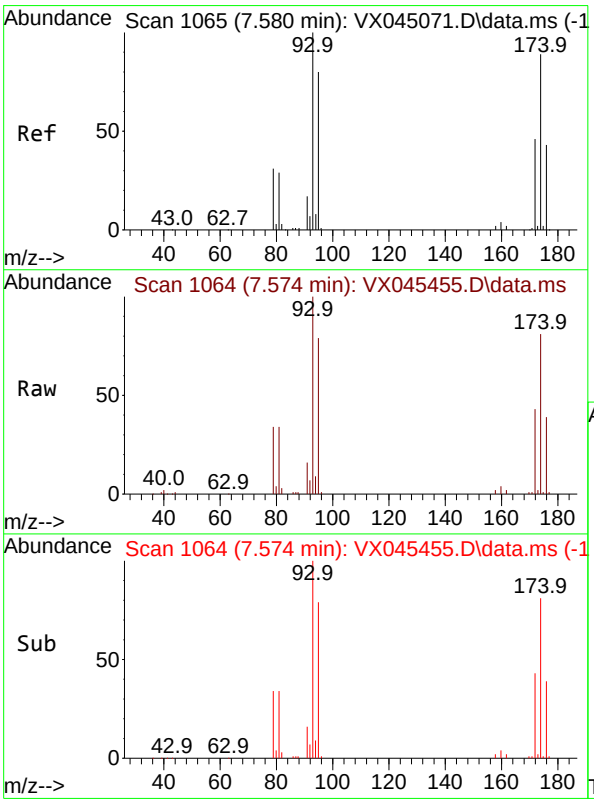
#45
1,2-Dichloropropane
Concen: 55.105 ug/l
RT: 7.428 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045455.D
Acq: 25 Mar 2025 21:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 63 Resp: 55191

Ion	Ratio	Lower	Upper
63	100		
65	29.5	24.7	37.1

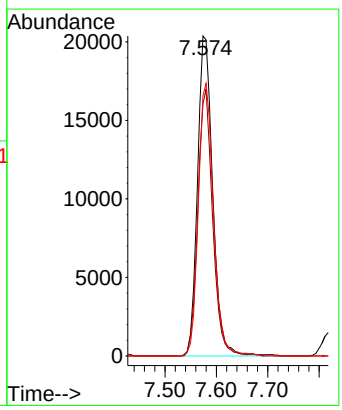


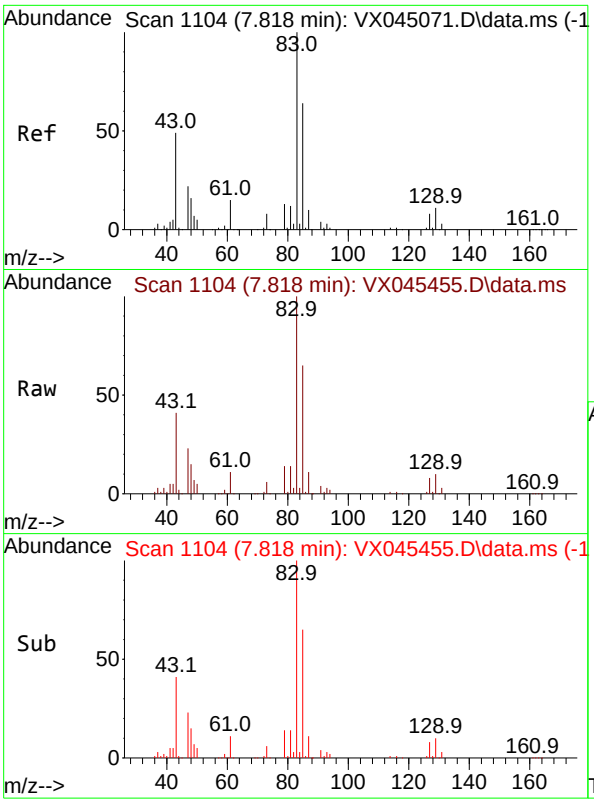


#46
Dibromomethane
Concen: 59.321 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. -0.006 min
Lab File: VX045455.D
Acq: 25 Mar 2025 21:00

Tgt Ion: 93 Resp: 41994

Ion	Ratio	Lower	Upper
93	100		
95	80.8	65.8	98.8
174	85.0	72.2	108.2



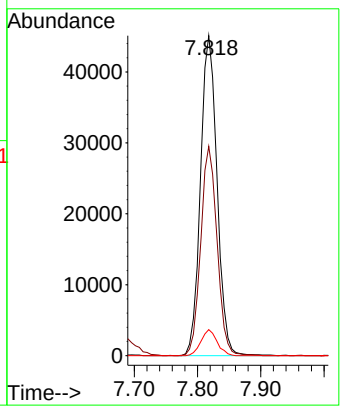


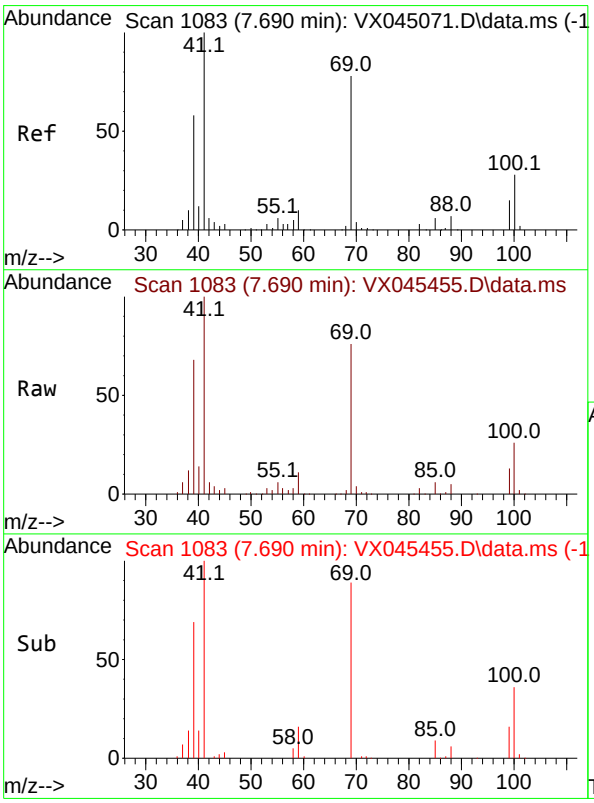
#47
Bromodichloromethane
Concen: 59.321 ug/l
RT: 7.818 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045455.D
Acq: 25 Mar 2025 21:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 82371

Ion	Ratio	Lower	Upper
83	100		
85	65.4	51.1	76.7
127	8.1	6.4	9.6

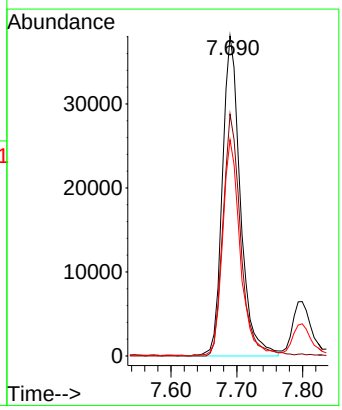


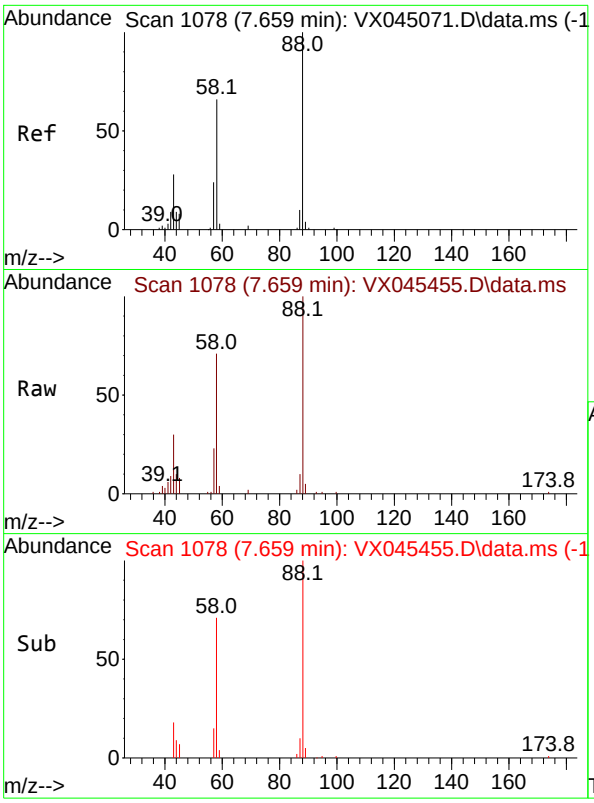


#48
Methyl methacrylate
Concen: 61.434 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. -0.000 min
Lab File: VX045455.D
Acq: 25 Mar 2025 21:00

Tgt Ion: 41 Resp: 72446

Ion	Ratio	Lower	Upper
41	100		
69	74.5	63.0	94.6
39	66.8	47.5	71.3



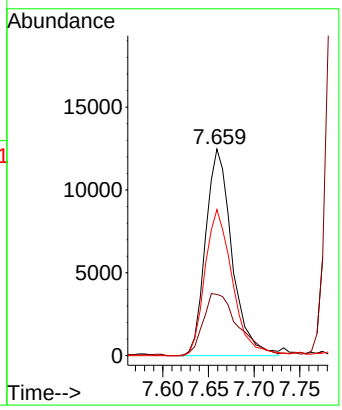


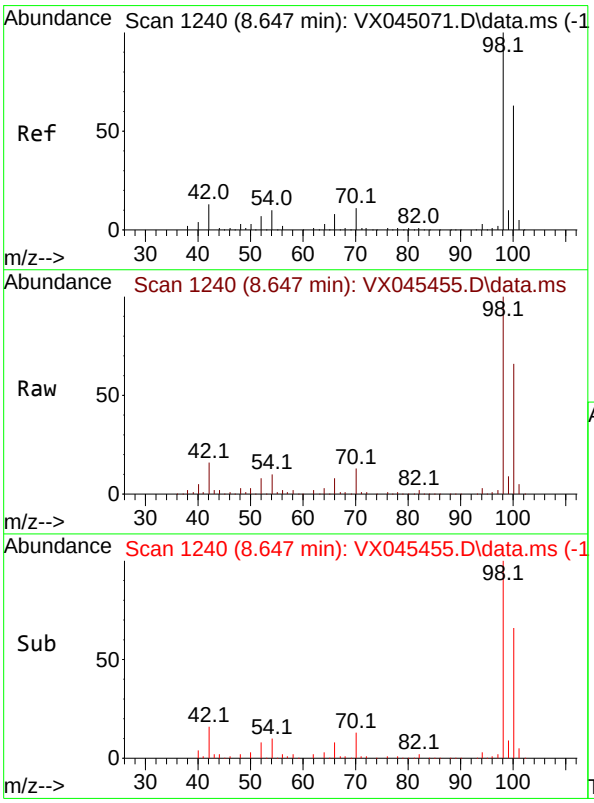
#49
1,4-Dioxane
Concen: 1006.555 ug/l
RT: 7.659 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045455.D
Acq: 25 Mar 2025 21:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 88 Resp: 25038

Ion	Ratio	Lower	Upper
88	100		
43	40.3	28.7	43.1
58	73.9	55.8	83.8

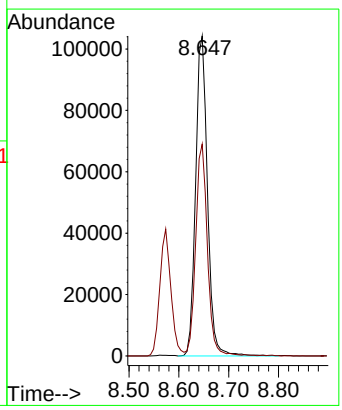


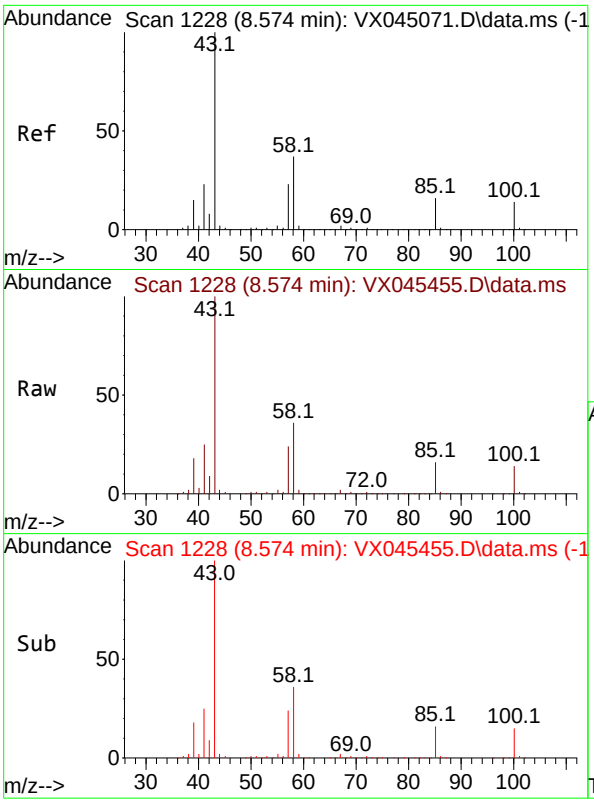


#50
Toluene-d8
Concen: 52.766 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045455.D
Acq: 25 Mar 2025 21:00

Tgt Ion: 98 Resp: 172074

Ion	Ratio	Lower	Upper
98	100		
100	64.7	52.0	78.0



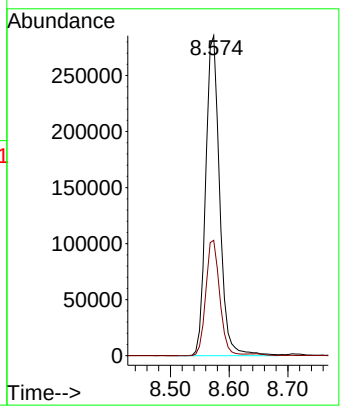


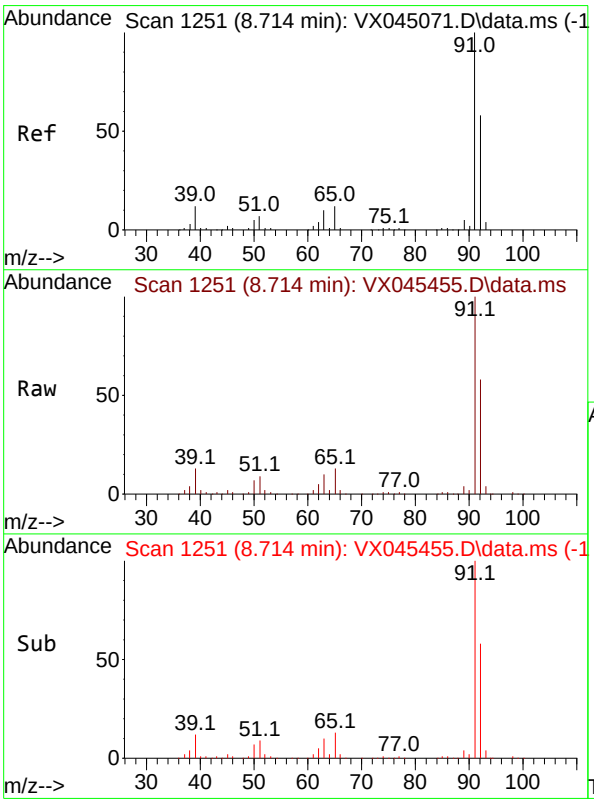
#51
4-Methyl-2-Pentanone
Concen: 298.691 ug/l
RT: 8.574 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045455.D
Acq: 25 Mar 2025 21:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 471412

Ion	Ratio	Lower	Upper
43	100		
58	36.0	29.2	43.8

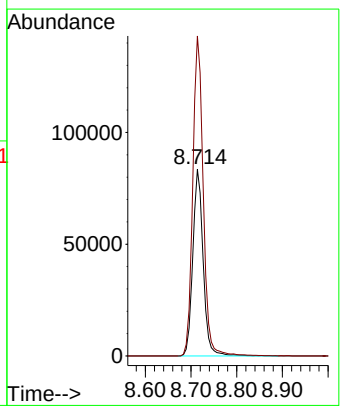


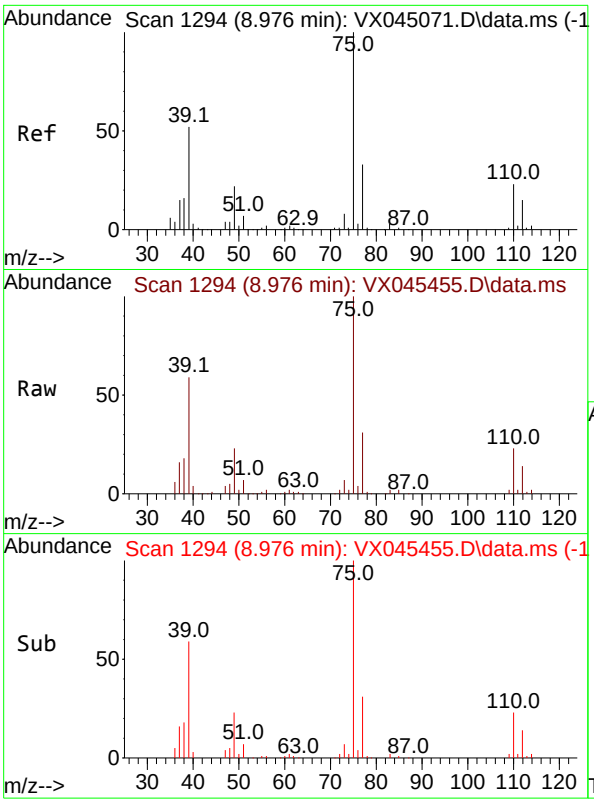


#52
Toluene
Concen: 57.535 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX045455.D
Acq: 25 Mar 2025 21:00

Tgt Ion: 92 Resp: 131498

Ion	Ratio	Lower	Upper
92	100		
91	173.4	138.9	208.3



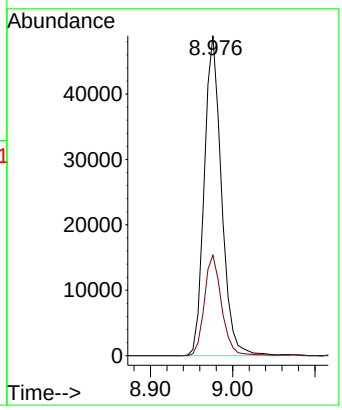


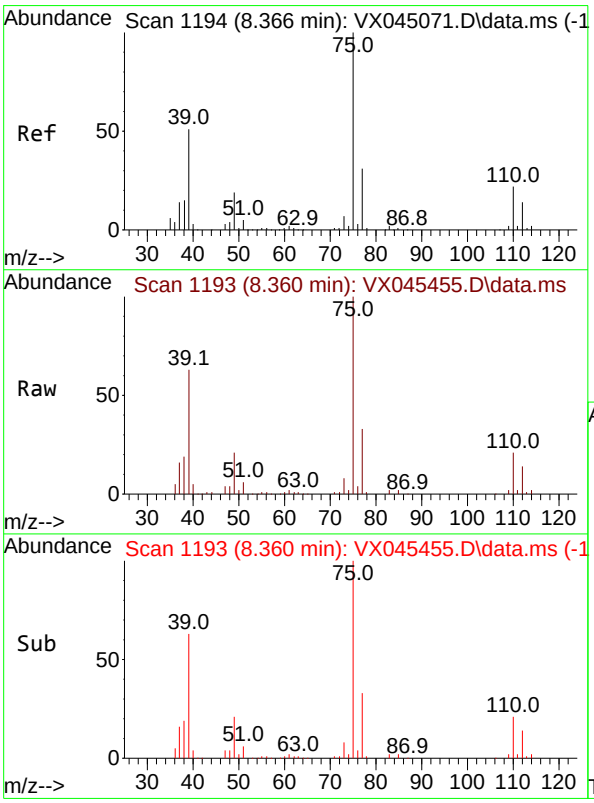
#53
t-1,3-Dichloropropene
Concen: 61.389 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045455.D
Acq: 25 Mar 2025 21:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 71263

Ion	Ratio	Lower	Upper
75	100		
77	31.4	26.5	39.7

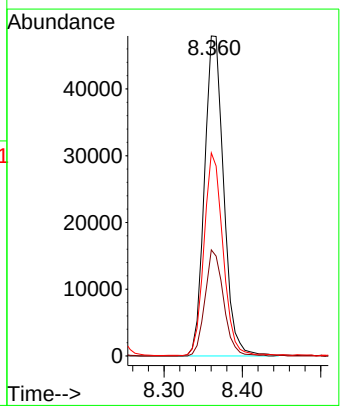


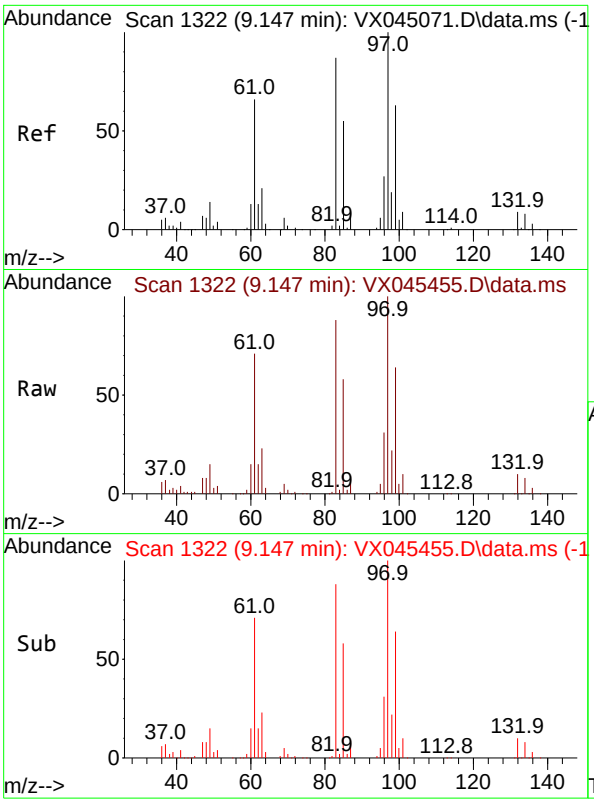


#54
cis-1,3-Dichloropropene
Concen: 60.428 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. -0.006 min
Lab File: VX045455.D
Acq: 25 Mar 2025 21:00

Tgt Ion: 75 Resp: 81798

Ion	Ratio	Lower	Upper
75	100		
77	33.2	24.7	37.1
39	63.3	40.7	61.1#



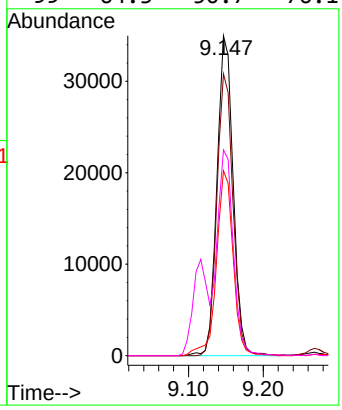


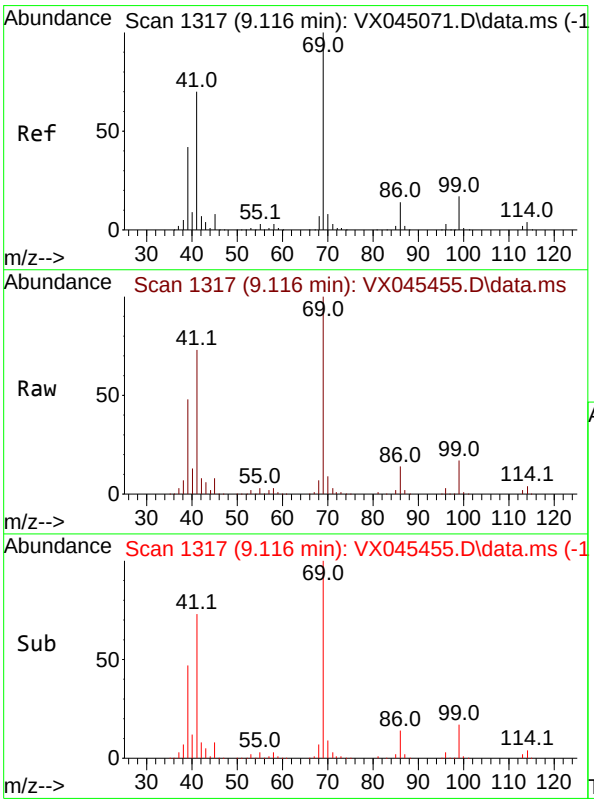
#55
1,1,2-Trichloroethane
Concen: 55.917 ug/l
RT: 9.147 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045455.D
Acq: 25 Mar 2025 21:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 97 Resp: 52613

Ion	Ratio	Lower	Upper
97	100		
83	88.1	69.4	104.2
85	57.8	44.1	66.1
99	64.3	50.7	76.1

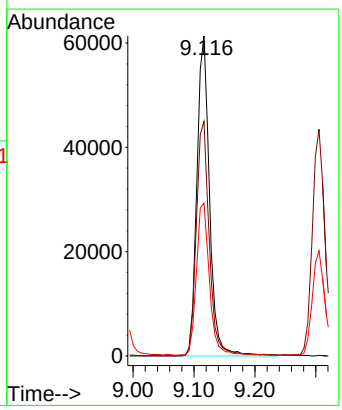


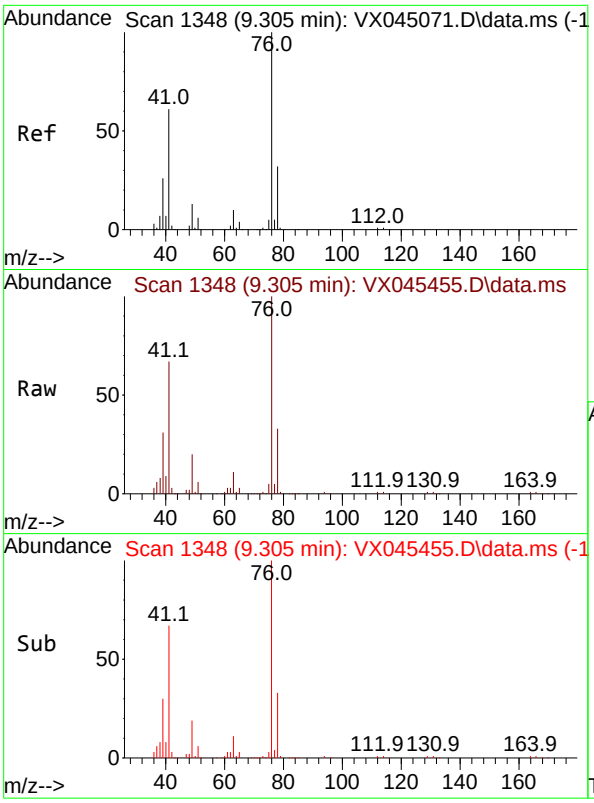


#56
Ethyl methacrylate
Concen: 61.863 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX045455.D
Acq: 25 Mar 2025 21:00

Tgt Ion: 69 Resp: 88478

Ion	Ratio	Lower	Upper
69	100		
41	75.7	57.0	85.4
39	48.8	34.2	51.4



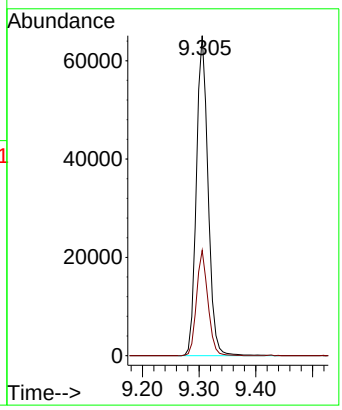


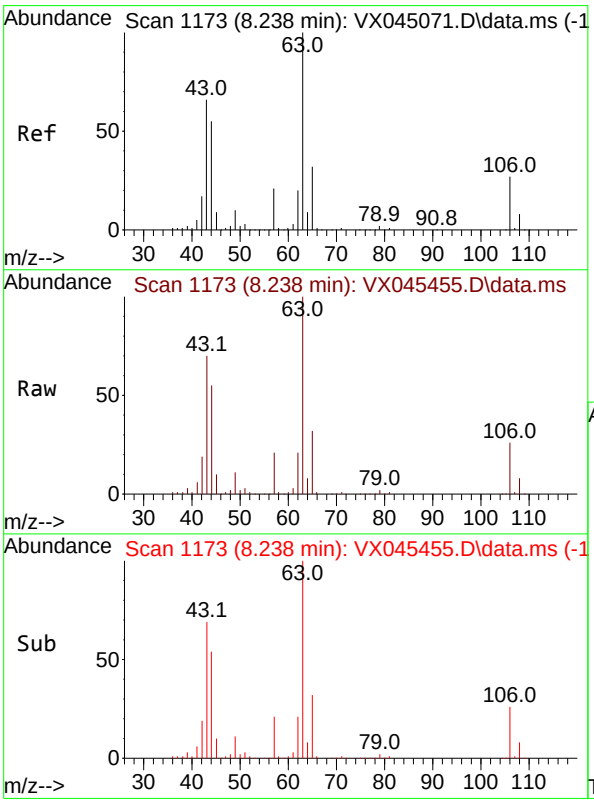
#57
1,3-Dichloropropane
Concen: 57.147 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045455.D
Acq: 25 Mar 2025 21:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 76 Resp: 93052

Ion	Ratio	Lower	Upper
76	100		
78	32.0	25.5	38.3

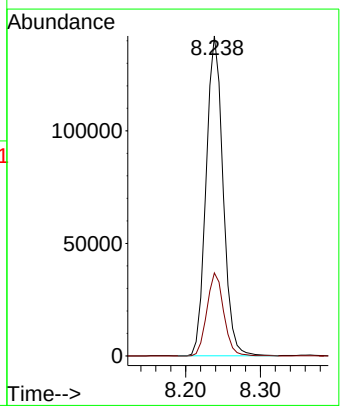


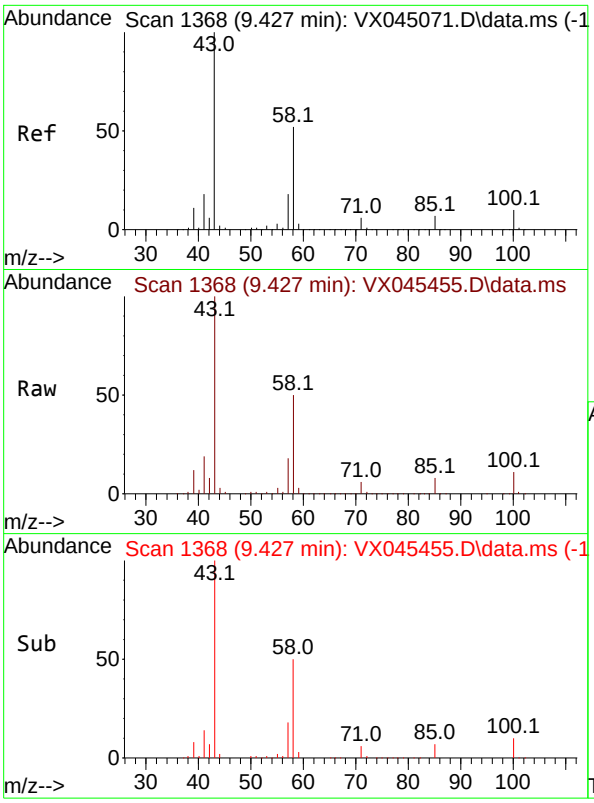


#58
2-Chloroethyl Vinyl ether
Concen: 320.494 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX045455.D
Acq: 25 Mar 2025 21:00

Tgt Ion: 63 Resp: 223602

Ion	Ratio	Lower	Upper
63	100		
106	25.9	21.5	32.3



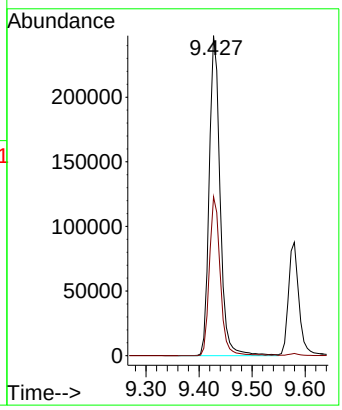


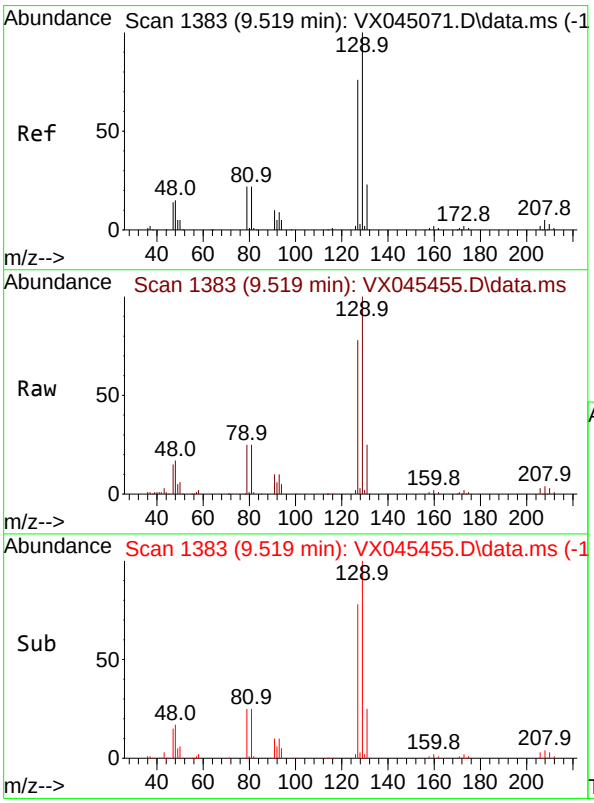
#59
2-Hexanone
Concen: 308.540 ug/l
RT: 9.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045455.D
Acq: 25 Mar 2025 21:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 352820

Ion	Ratio	Lower	Upper
43	100		
58	49.8	25.9	77.6

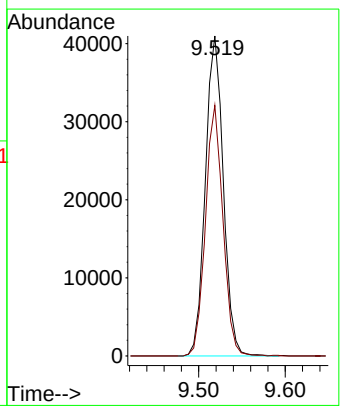


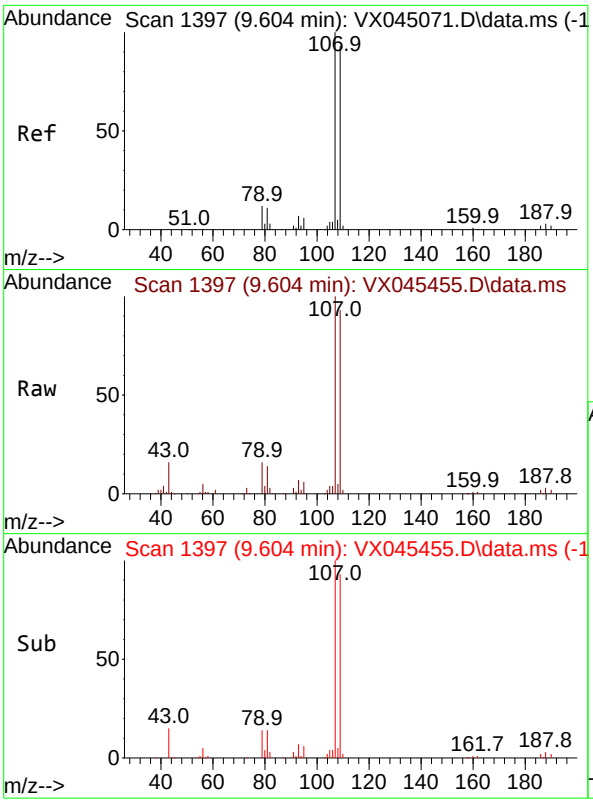


#60
Dibromochloromethane
Concen: 59.912 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX045455.D
Acq: 25 Mar 2025 21:00

Tgt Ion:129 Resp: 58941

Ion	Ratio	Lower	Upper
129	100		
127	76.4	38.5	115.5



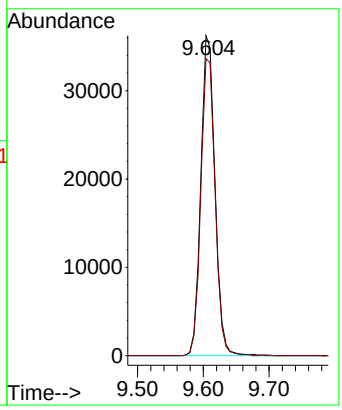


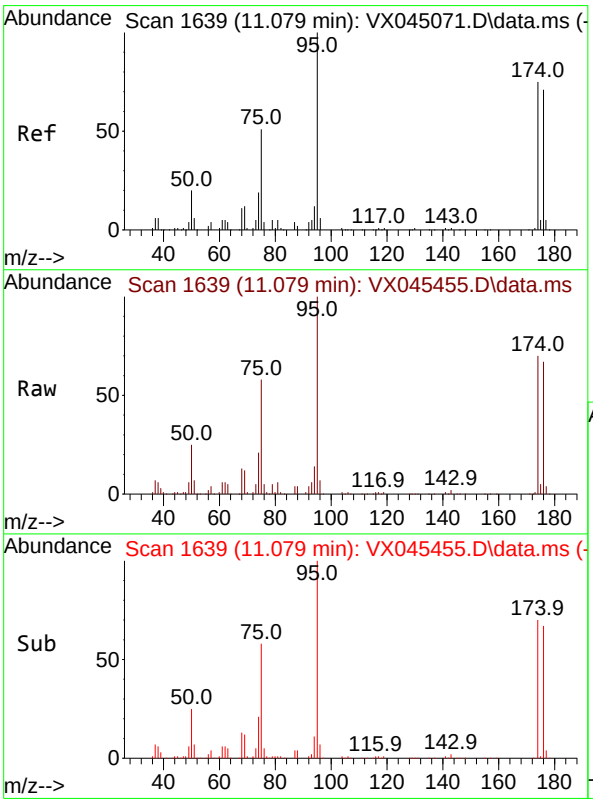
#61
1,2-Dibromoethane
Concen: 57.791 ug/l
RT: 9.604 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045455.D
Acq: 25 Mar 2025 21:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:107 Resp: 54283

Ion	Ratio	Lower	Upper
107	100		
109	93.6	76.1	114.1

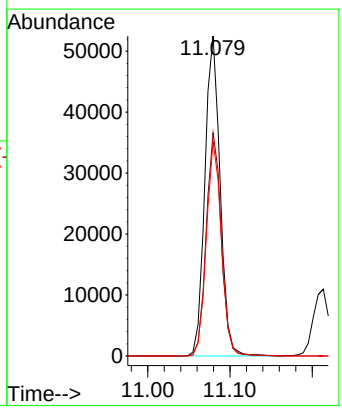


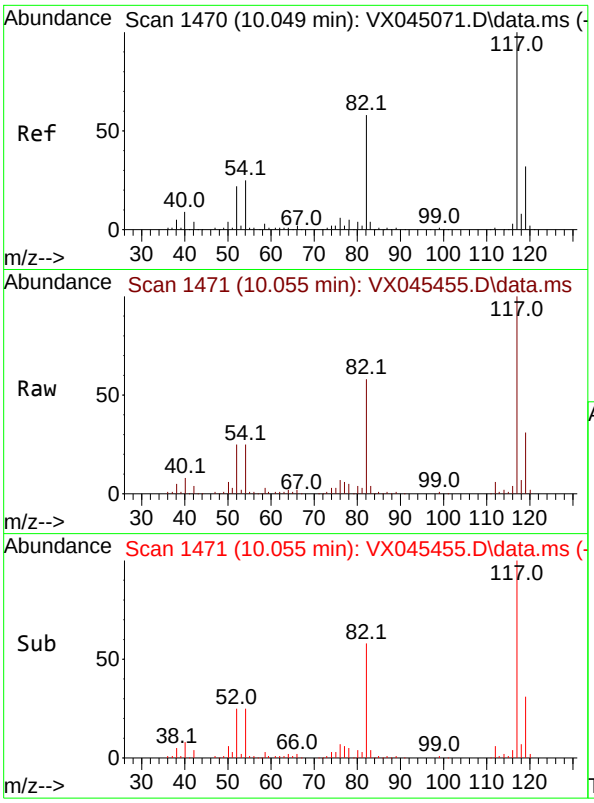


#62
4-Bromofluorobenzene
Concen: 62.340 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045455.D
Acq: 25 Mar 2025 21:00

Tgt Ion: 95 Resp: 67367

Ion	Ratio	Lower	Upper
95	100		
174	69.1	0.0	148.2
176	66.2	0.0	141.4



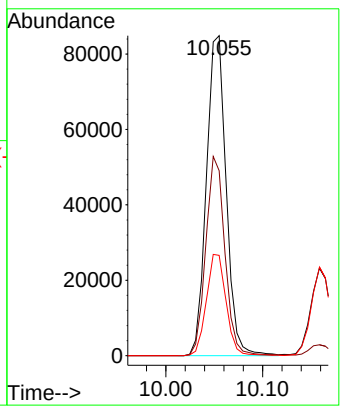


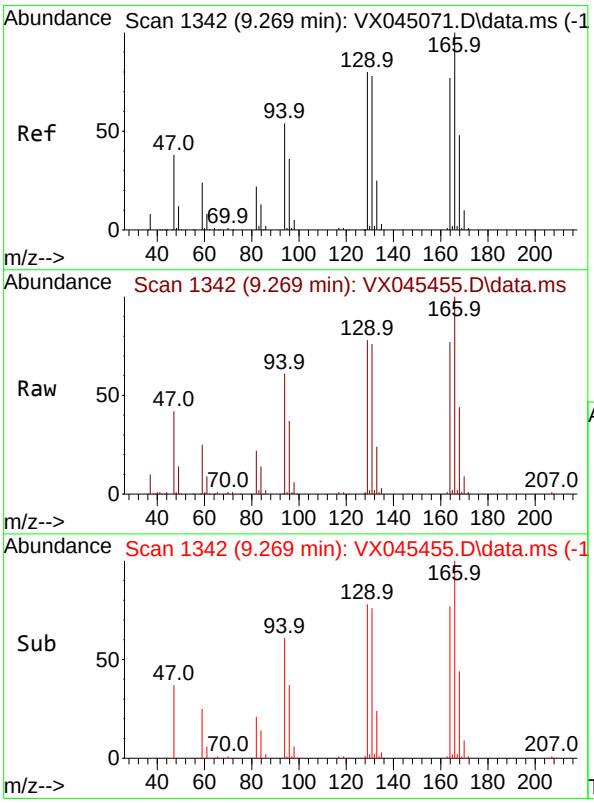
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX045455.D
Acq: 25 Mar 2025 21:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:117 Resp: 120753

Ion	Ratio	Lower	Upper
117	100		
82	57.8	46.3	69.5
119	31.4	25.7	38.5

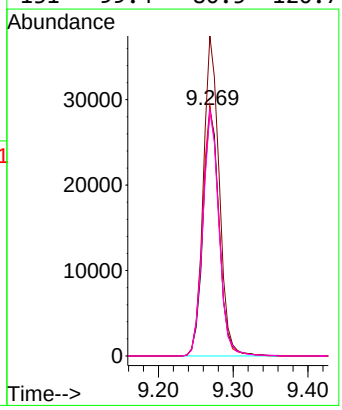


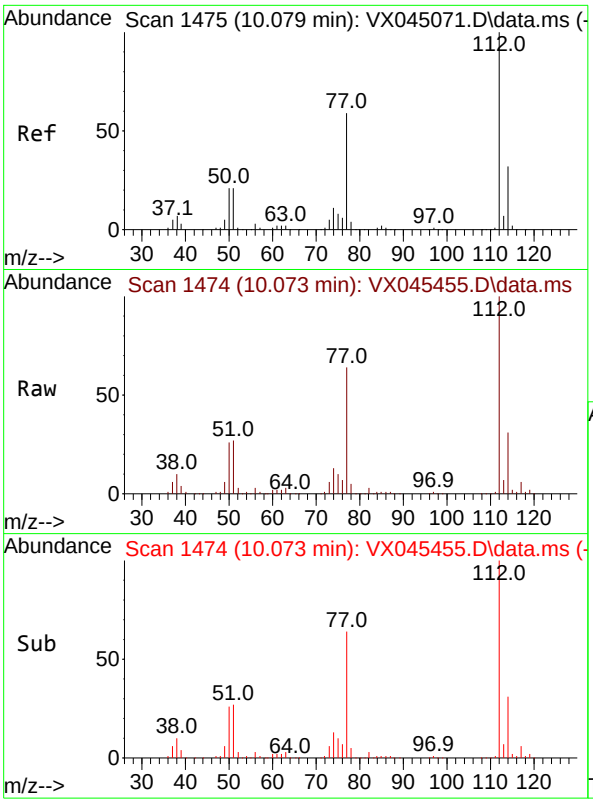


#64
Tetrachloroethene
Concen: 56.012 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX045455.D
Acq: 25 Mar 2025 21:00

Tgt Ion:164 Resp: 43318

Ion	Ratio	Lower	Upper
164	100		
166	130.0	103.6	155.4
129	101.8	82.7	124.1
131	99.4	80.5	120.7



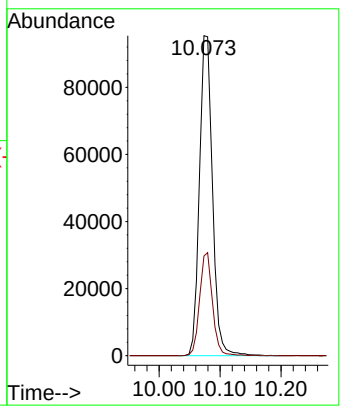


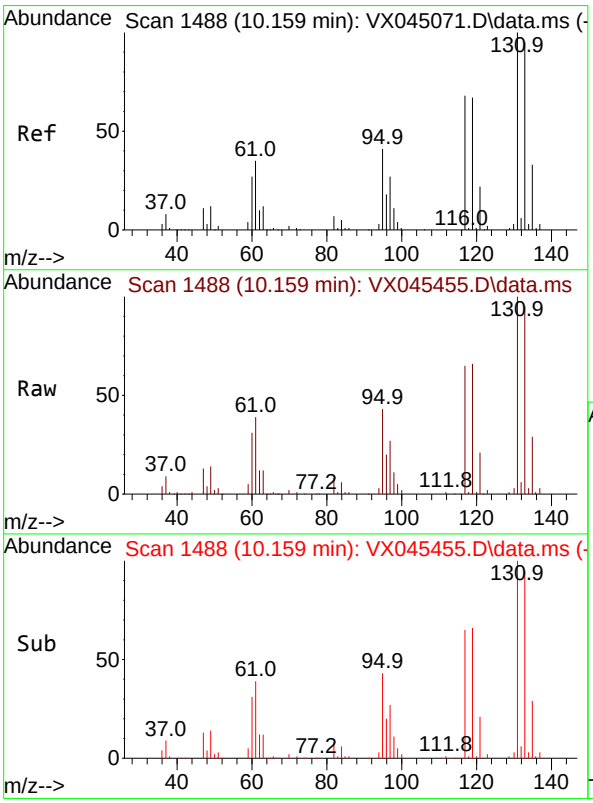
#65
Chlorobenzene
Concen: 55.448 ug/l
RT: 10.073 min Scan# 14
Delta R.T. -0.006 min
Lab File: VX045455.D
Acq: 25 Mar 2025 21:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:112 Resp: 141675

Ion	Ratio	Lower	Upper
112	100		
114	31.2	26.0	39.0

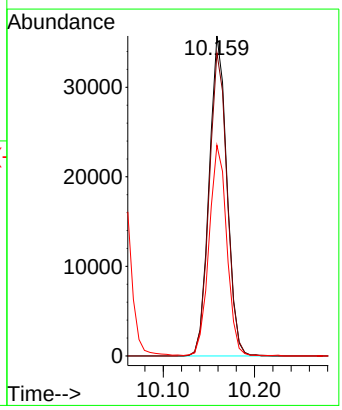


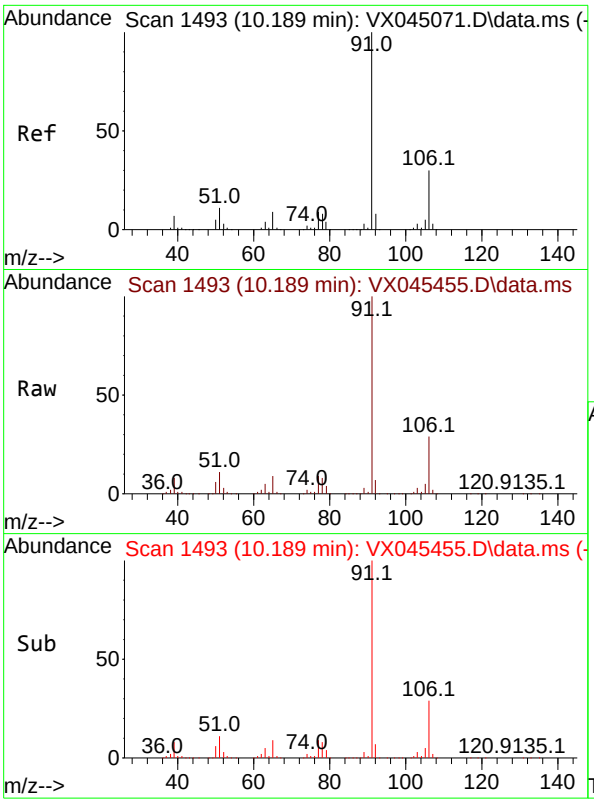


#66
1,1,1,2-Tetrachloroethane
Concen: 56.581 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX045455.D
Acq: 25 Mar 2025 21:00

Tgt Ion:131 Resp: 48145

Ion	Ratio	Lower	Upper
131	100		
133	95.6	48.6	145.9
119	66.0	33.9	101.7



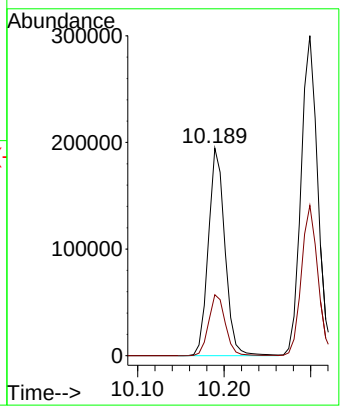


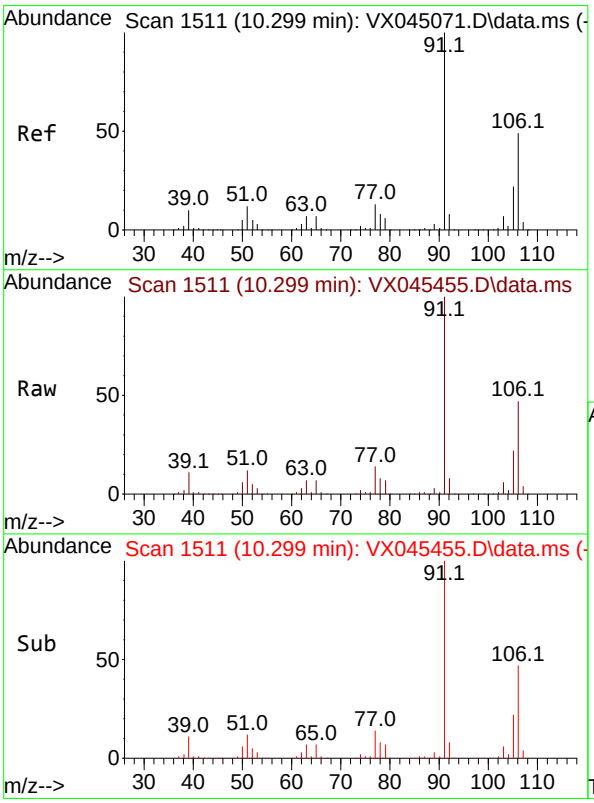
#67
Ethyl Benzene
Concen: 58.029 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045455.D
Acq: 25 Mar 2025 21:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 258353

Ion	Ratio	Lower	Upper
91	100		
106	29.4	23.9	35.9

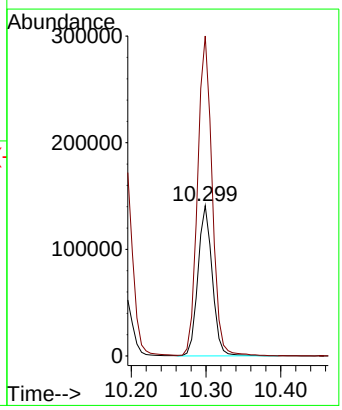


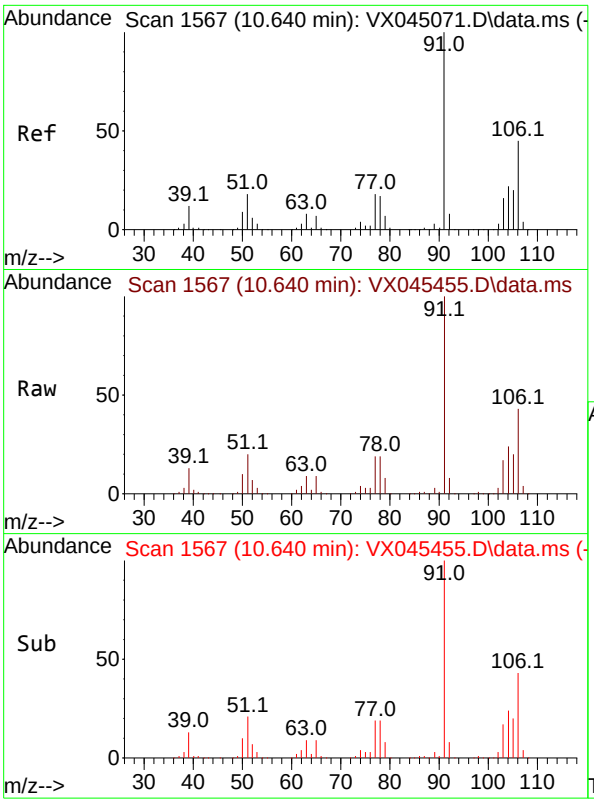


#68
m/p-Xylenes
Concen: 114.904 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX045455.D
Acq: 25 Mar 2025 21:00

Tgt Ion:106 Resp: 187271

Ion	Ratio	Lower	Upper
106	100		
91	215.8	165.4	248.0



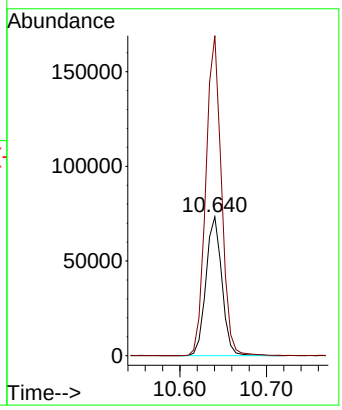


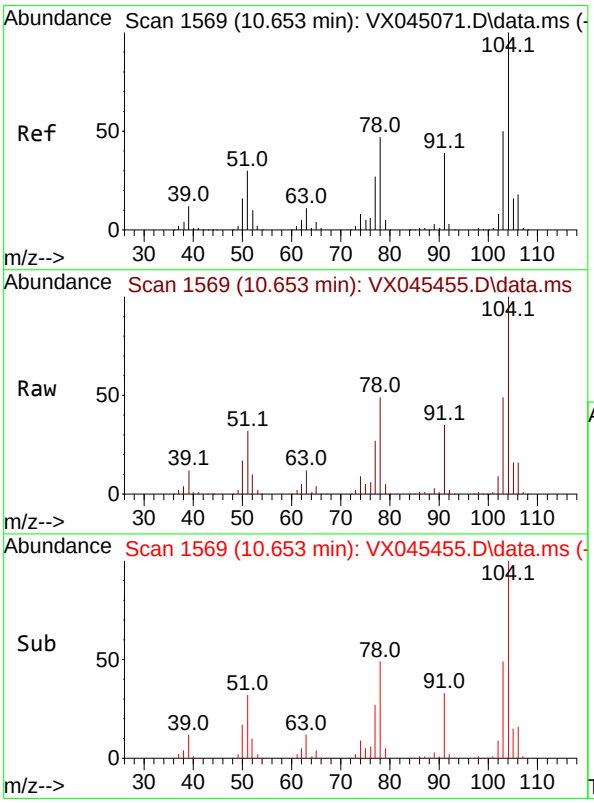
#69
o-Xylene
Concen: 56.852 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045455.D
Acq: 25 Mar 2025 21:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:106 Resp: 93451

Ion	Ratio	Lower	Upper
106	100		
91	226.8	109.9	329.6

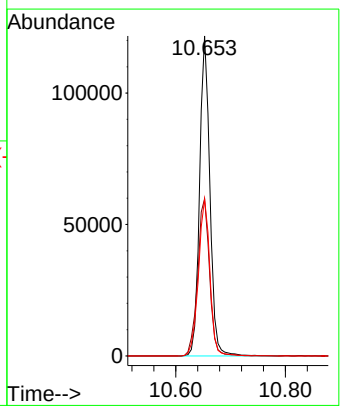


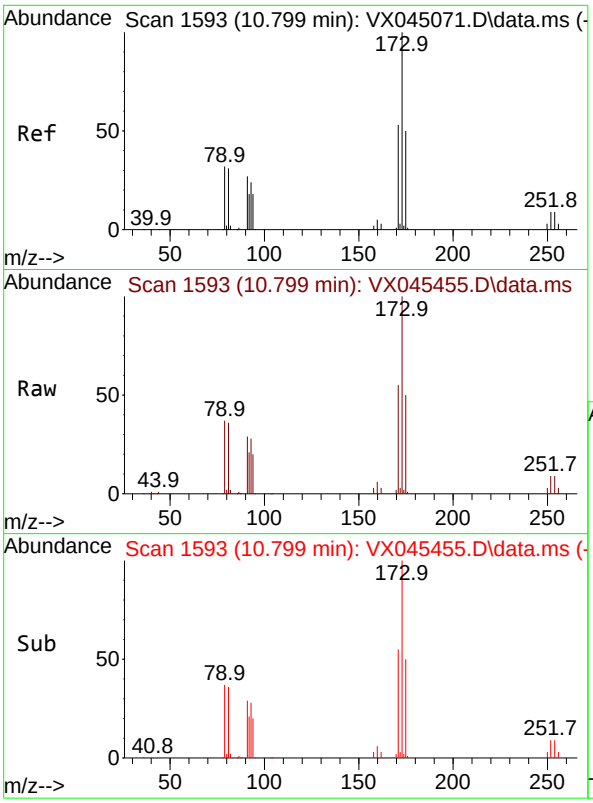


#70
Styrene
Concen: 59.715 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX045455.D
Acq: 25 Mar 2025 21:00

Tgt Ion:104 Resp: 158826

Ion	Ratio	Lower	Upper
104	100		
78	56.8	42.2	63.4
103	54.8	43.8	65.8



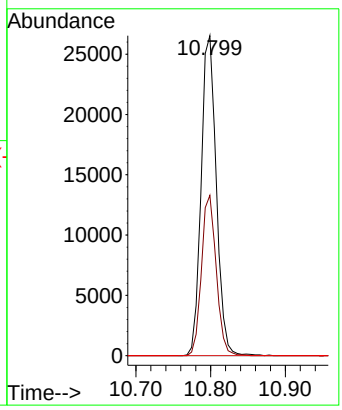


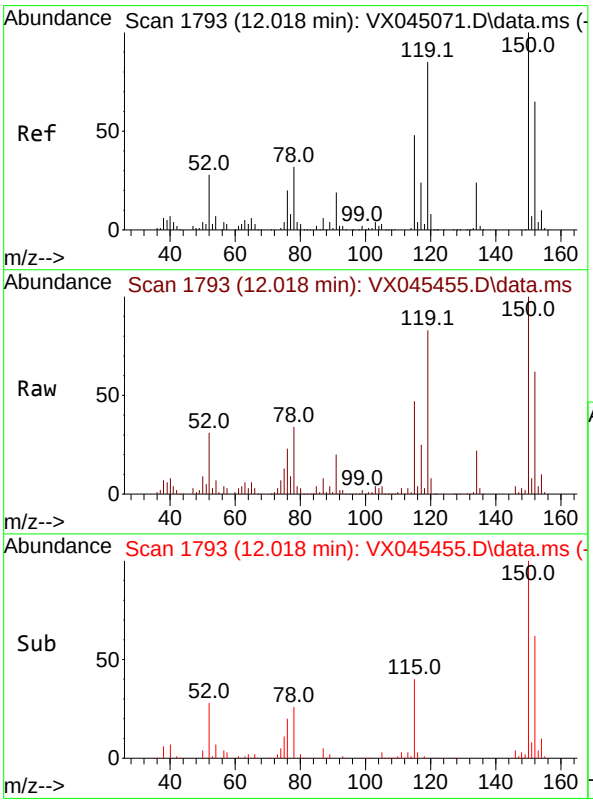
#71
Bromoform
Concen: 58.263 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045455.D
Acq: 25 Mar 2025 21:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:173 Resp: 37385

Ion	Ratio	Lower	Upper
173	100		
175	48.7	24.6	73.6
254	0.0	0.0	0.0

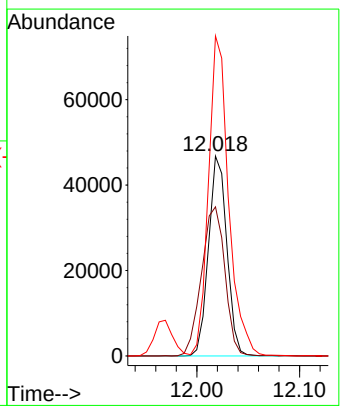


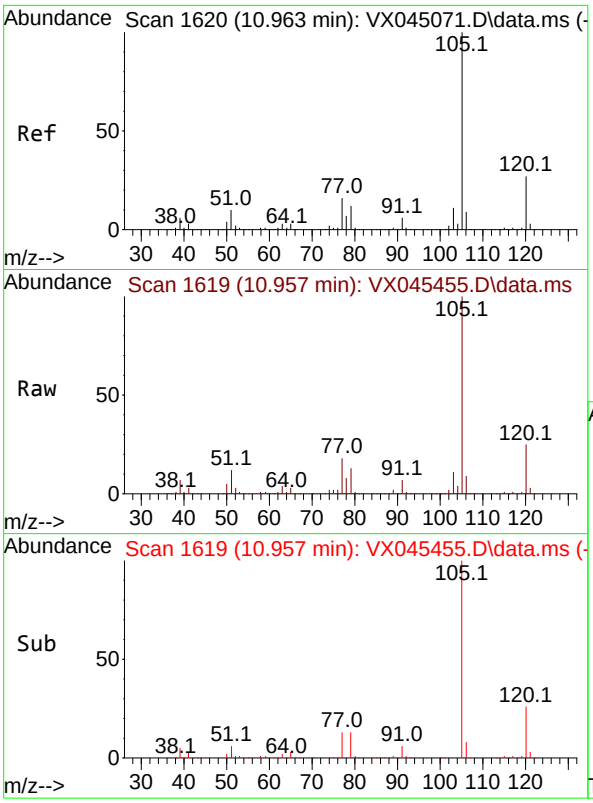


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045455.D
Acq: 25 Mar 2025 21:00

Tgt Ion:152 Resp: 57976

Ion	Ratio	Lower	Upper
152	100		
115	95.4	44.2	132.6
150	176.0	0.0	349.0



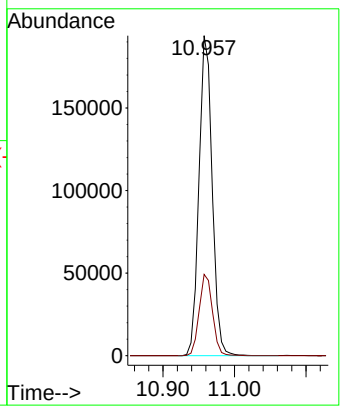


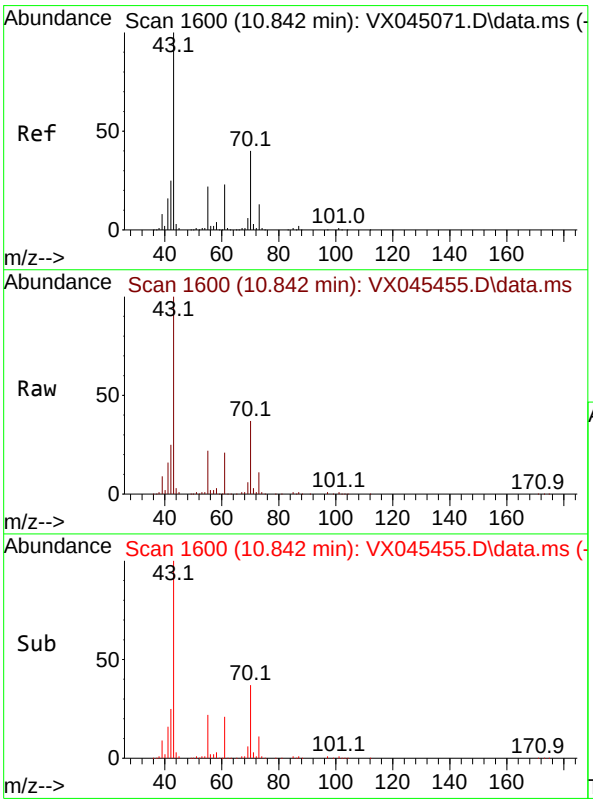
#73
Isopropylbenzene
Concen: 54.809 ug/l
RT: 10.957 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045455.D
Acq: 25 Mar 2025 21:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:105 Resp: 248021

Ion	Ratio	Lower	Upper
105	100		
120	25.6	13.2	39.5

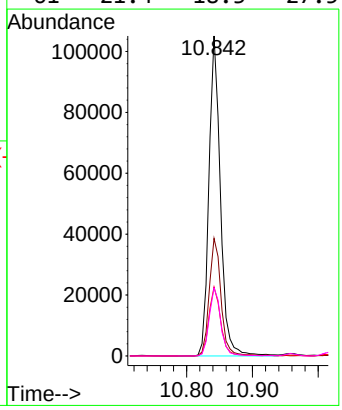


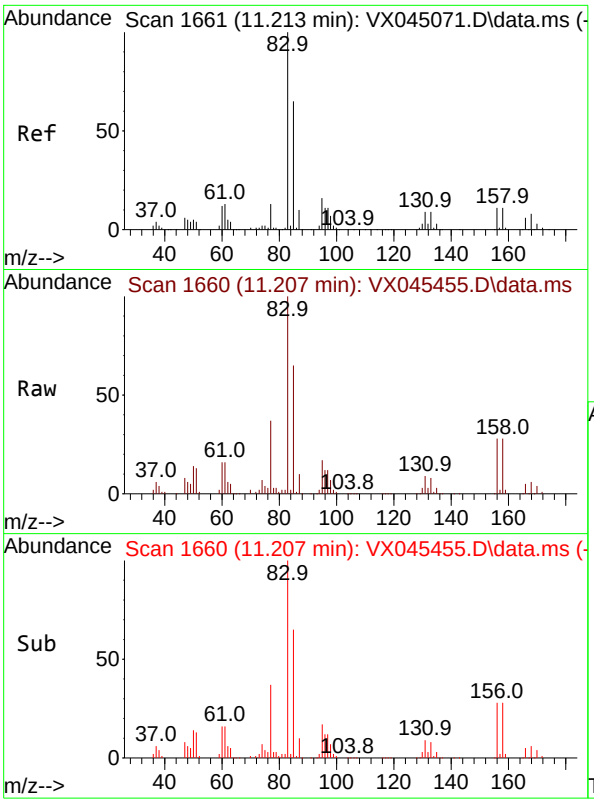


#74
N-amyl acetate
Concen: 60.199 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX045455.D
Acq: 25 Mar 2025 21:00

Tgt Ion: 43 Resp: 127825

Ion	Ratio	Lower	Upper
43	100		
70	37.9	31.8	47.6
55	22.3	18.3	27.5
61	21.4	18.3	27.5



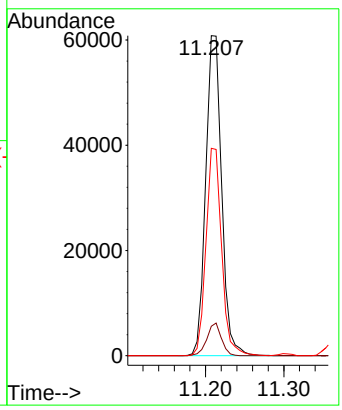


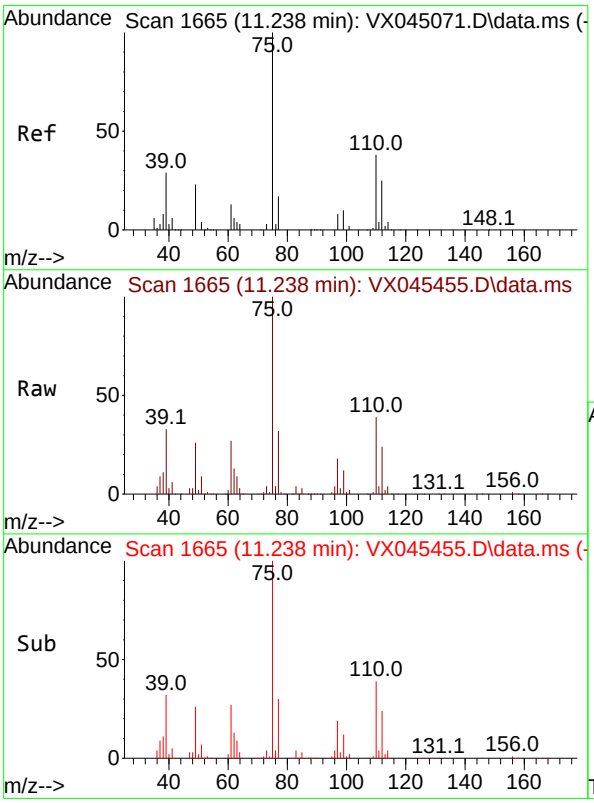
#75
1,1,2,2-Tetrachloroethane
Concen: 51.622 ug/l
RT: 11.207 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045455.D
Acq: 25 Mar 2025 21:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 85723

Ion	Ratio	Lower	Upper
83	100		
131	9.3	4.5	13.4
85	63.5	31.7	95.1

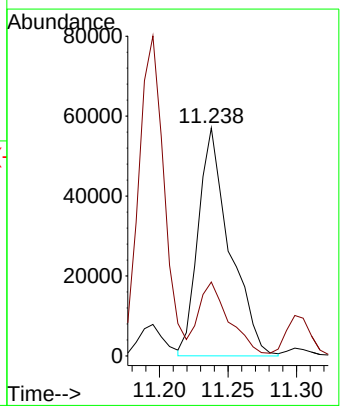


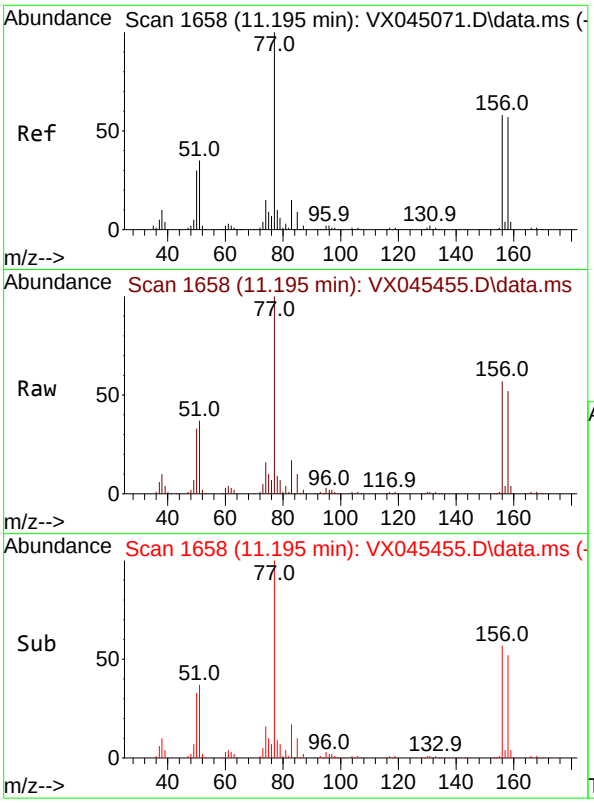


#76
1,2,3-Trichloropropane
Concen: 67.714 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX045455.D
Acq: 25 Mar 2025 21:00

Tgt Ion: 75 Resp: 91373

Ion	Ratio	Lower	Upper
75	100		
77	31.8	20.7	62.1



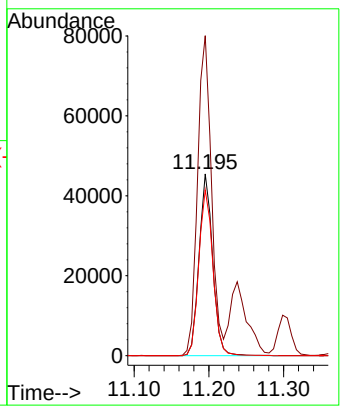


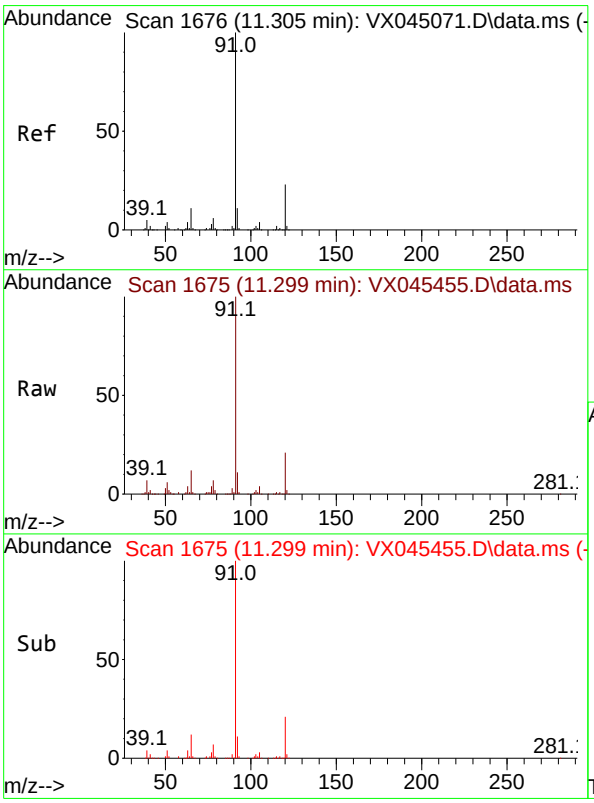
#77
Bromobenzene
Concen: 53.713 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045455.D
Acq: 25 Mar 2025 21:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:156 Resp: 57349

Ion	Ratio	Lower	Upper
156	100		
77	179.8	85.8	257.4
158	95.2	48.4	145.2

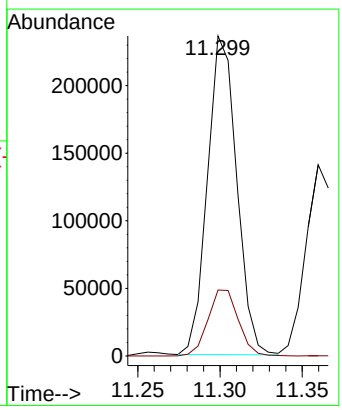


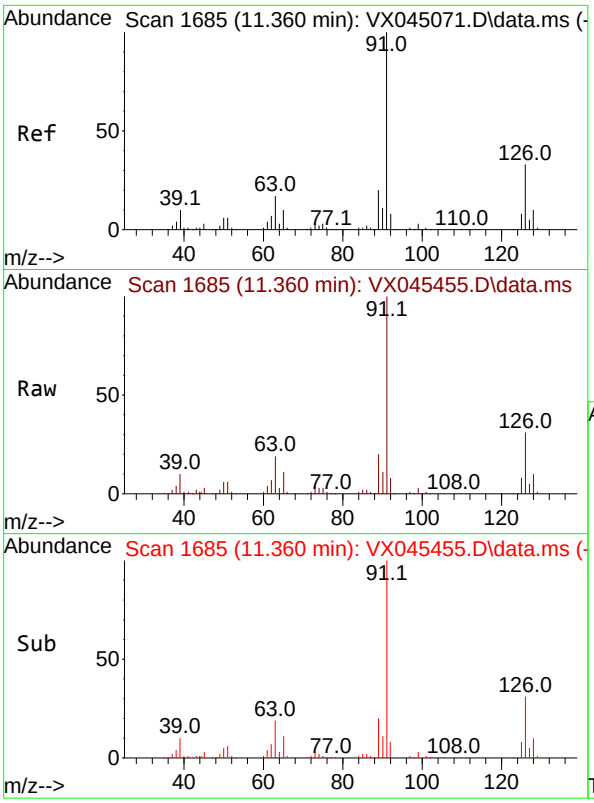


#78
n-propylbenzene
Concen: 57.086 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. -0.006 min
Lab File: VX045455.D
Acq: 25 Mar 2025 21:00

Tgt Ion: 91 Resp: 291813

Ion	Ratio	Lower	Upper
91	100		
120	21.6	11.2	33.6



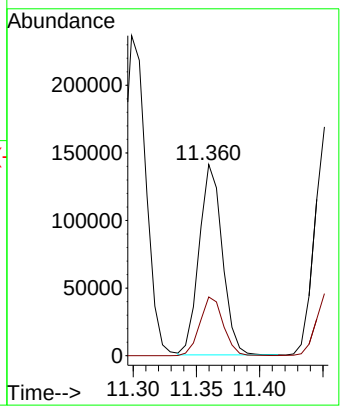


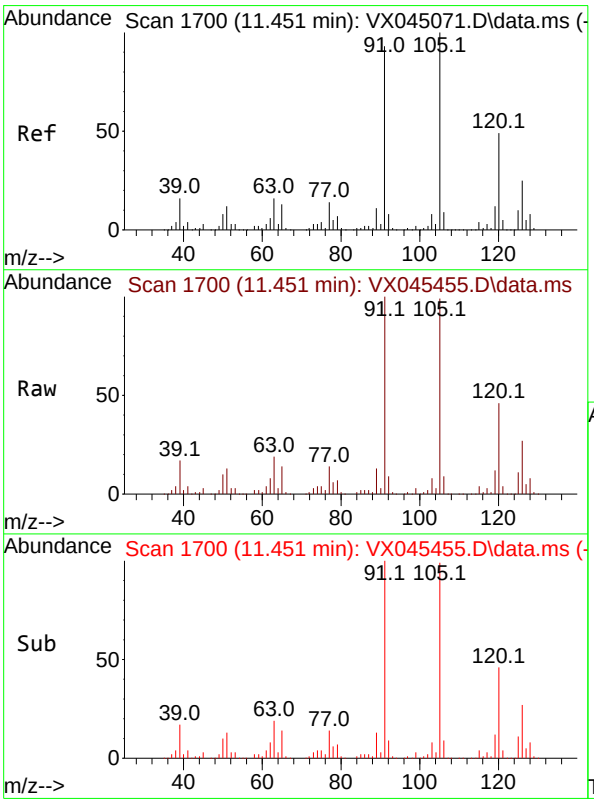
#79
2-Chlorotoluene
Concen: 55.315 ug/l
RT: 11.360 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045455.D
Acq: 25 Mar 2025 21:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 180078

Ion	Ratio	Lower	Upper
91	100		
126	31.2	16.4	49.4

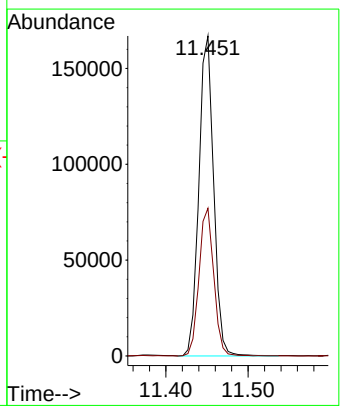


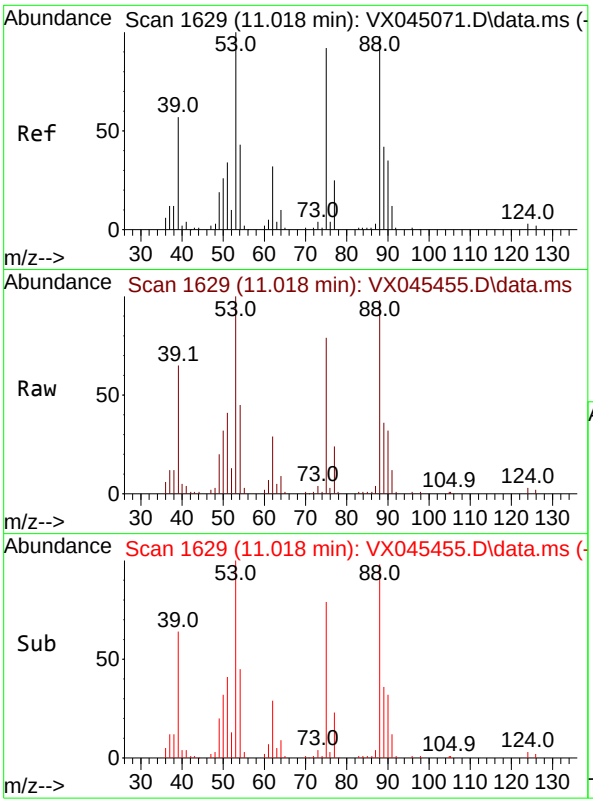


#80
1,3,5-Trimethylbenzene
Concen: 56.895 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045455.D
Acq: 25 Mar 2025 21:00

Tgt Ion:105 Resp: 208176

Ion	Ratio	Lower	Upper
105	100		
120	46.3	24.1	72.2



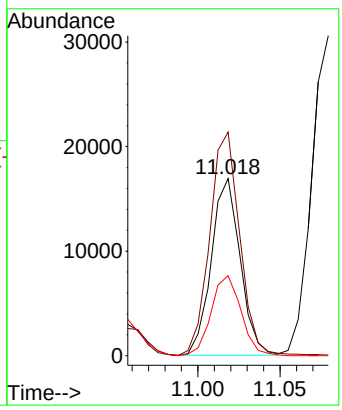


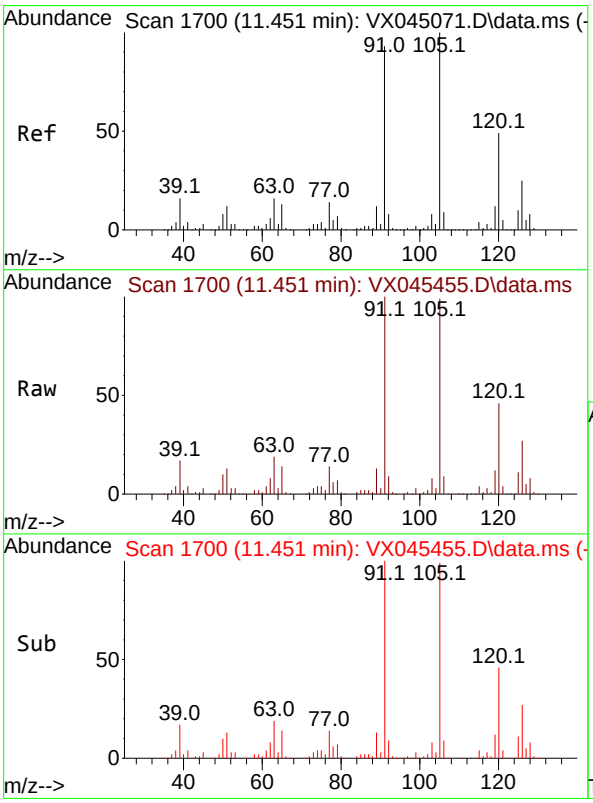
#81
trans-1,4-Dichloro-2-butene
Concen: 52.375 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045455.D
Acq: 25 Mar 2025 21:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 20652

Ion	Ratio	Lower	Upper
75	100		
53	131.6	88.5	132.7
89	46.8	36.2	54.4

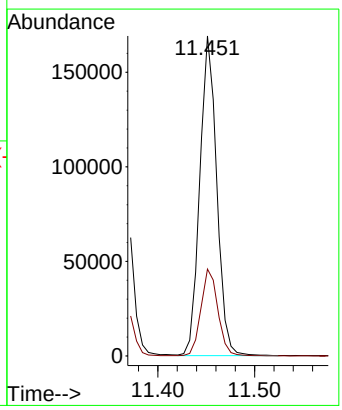


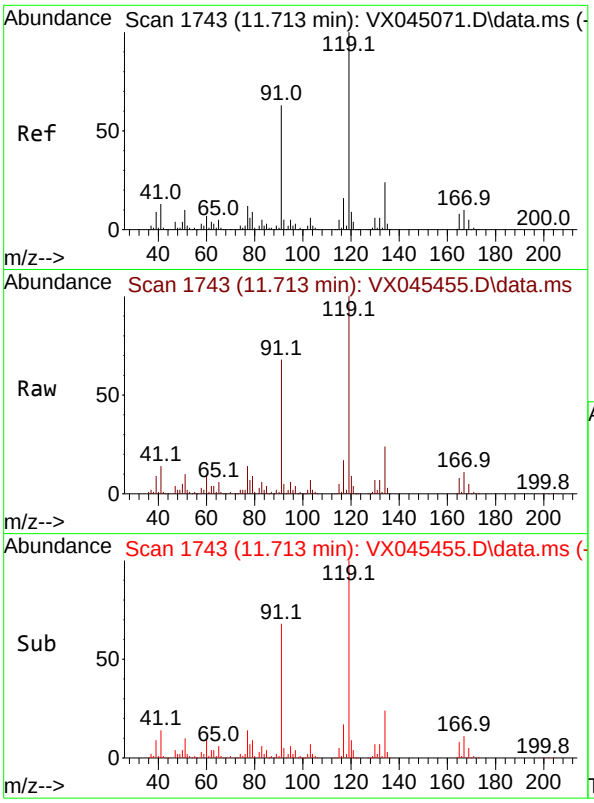


#82
4-Chlorotoluene
Concen: 58.131 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045455.D
Acq: 25 Mar 2025 21:00

Tgt Ion: 91 Resp: 206254

Ion	Ratio	Lower	Upper
91	100		
126	27.4	14.1	42.4



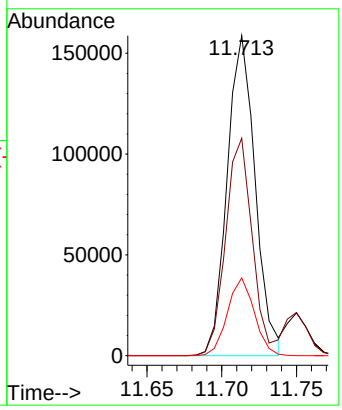


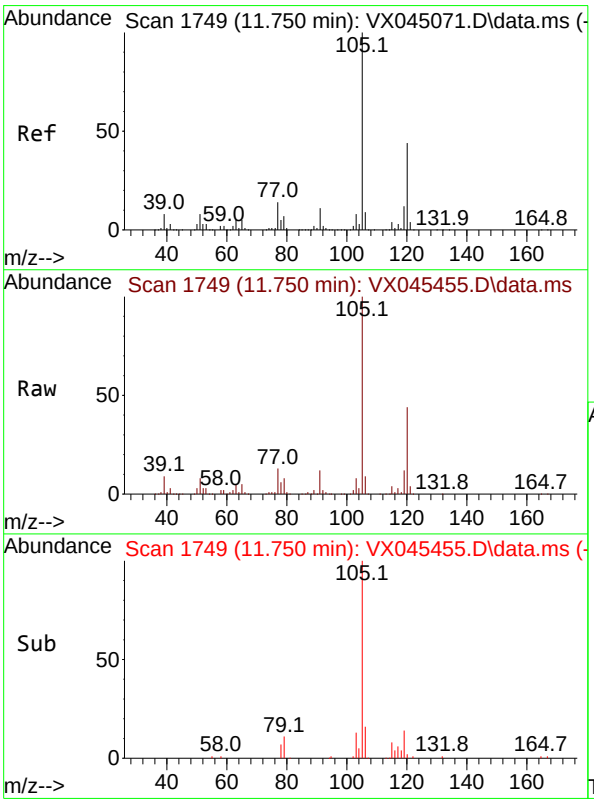
#83
tert-Butylbenzene
Concen: 55.036 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045455.D
Acq: 25 Mar 2025 21:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:119 Resp: 206906

Ion	Ratio	Lower	Upper
119	100		
91	63.9	30.7	92.1
134	23.3	11.7	35.0

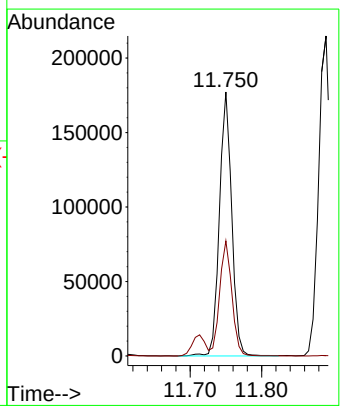


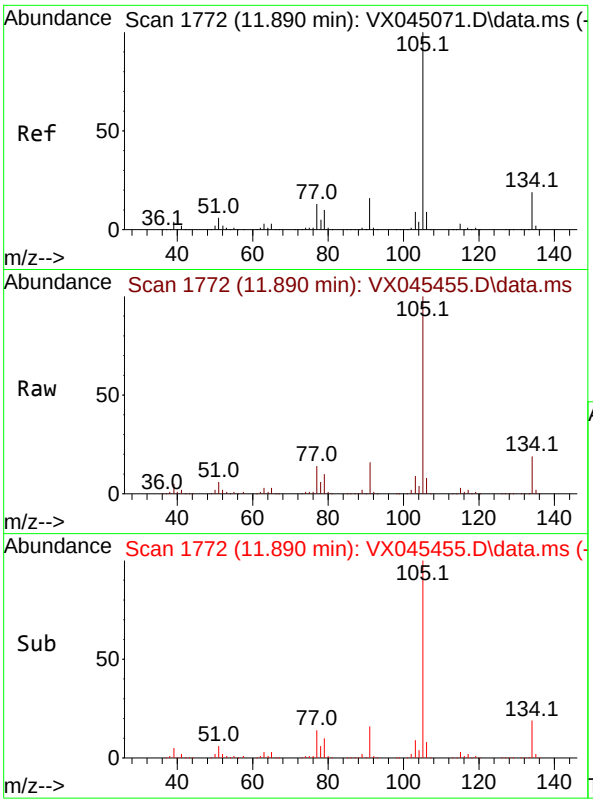


#84
1,2,4-Trimethylbenzene
Concen: 57.518 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX045455.D
Acq: 25 Mar 2025 21:00

Tgt Ion:105 Resp: 211760

Ion	Ratio	Lower	Upper
105	100		
120	43.4	22.1	66.1



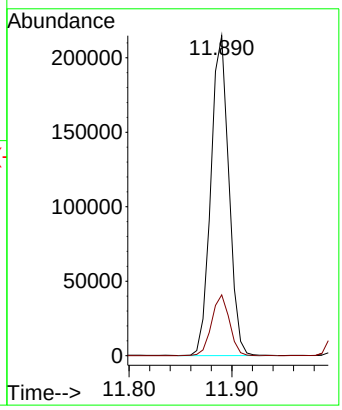


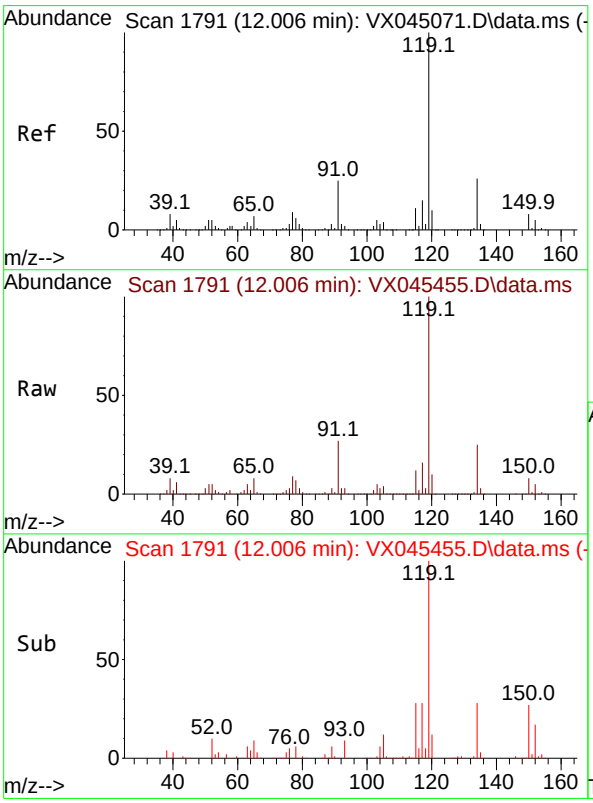
#85
sec-Butylbenzene
Concen: 57.851 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045455.D
Acq: 25 Mar 2025 21:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:105 Resp: 260527

Ion	Ratio	Lower	Upper
105	100		
134	18.9	9.8	29.4

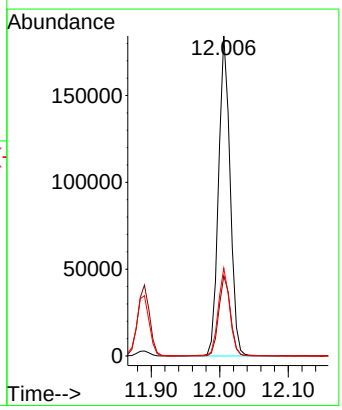


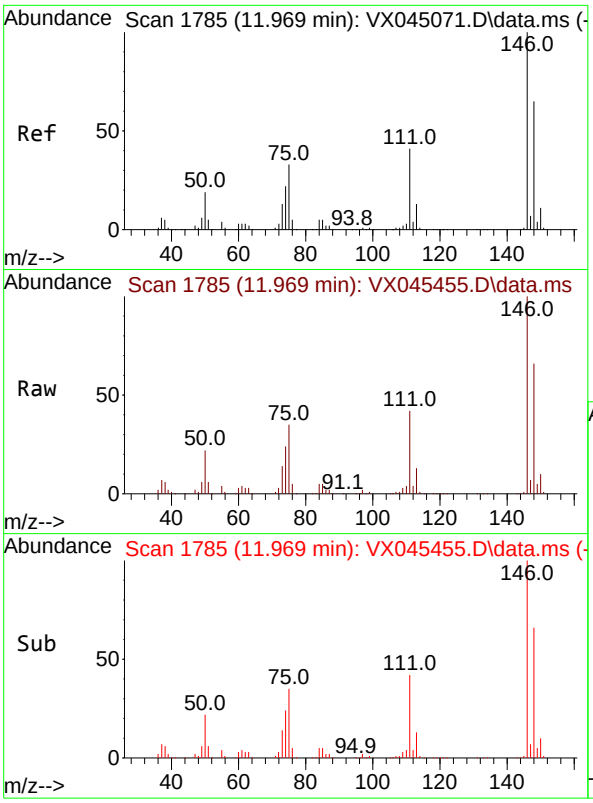


#86
p-Isopropyltoluene
Concen: 58.914 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX045455.D
Acq: 25 Mar 2025 21:00

Tgt Ion:119 Resp: 214411

Ion	Ratio	Lower	Upper
119	100		
134	25.2	12.9	38.6
91	27.1	12.7	38.0



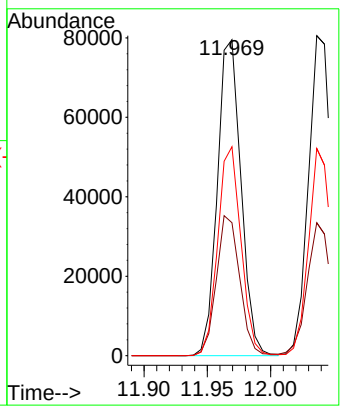


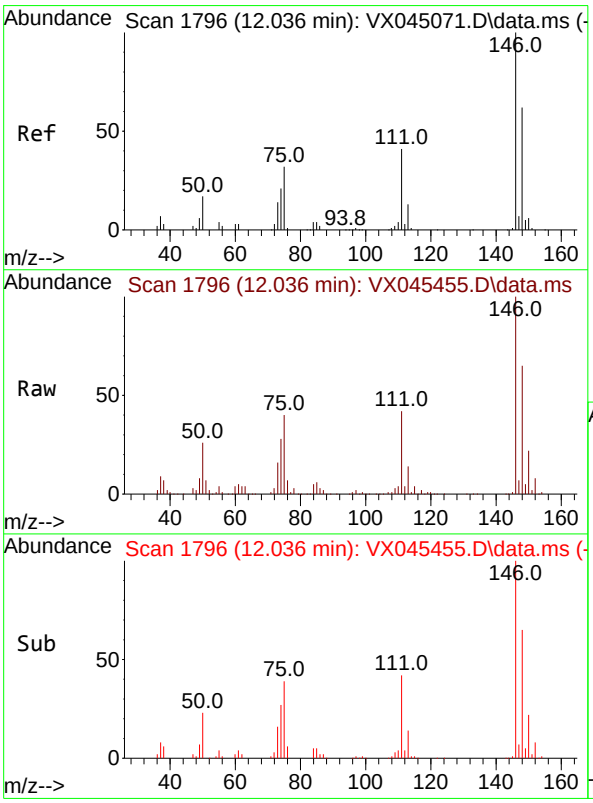
#87
1,3-Dichlorobenzene
Concen: 54.210 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045455.D
Acq: 25 Mar 2025 21:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:146 Resp: 103254

Ion	Ratio	Lower	Upper
146	100		
111	44.0	21.1	63.4
148	65.0	31.9	95.7

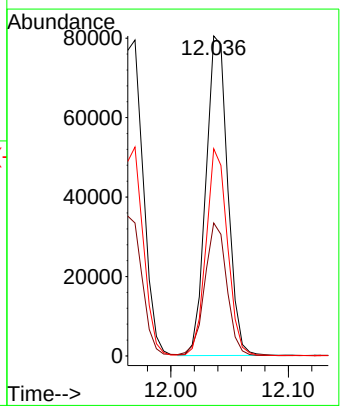


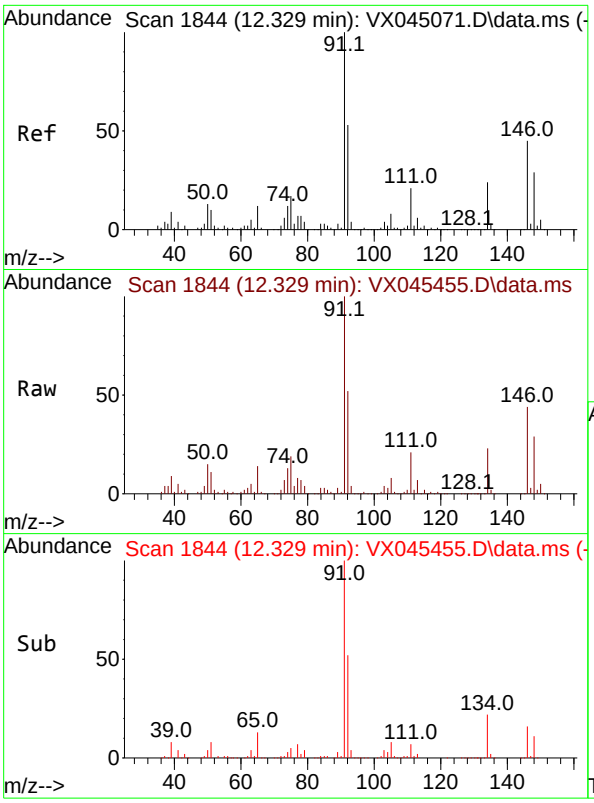


#88
1,4-Dichlorobenzene
Concen: 53.778 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. -0.000 min
Lab File: VX045455.D
Acq: 25 Mar 2025 21:00

Tgt Ion:146 Resp: 103629

Ion	Ratio	Lower	Upper
146	100		
111	42.0	20.2	60.5
148	63.8	31.9	95.9



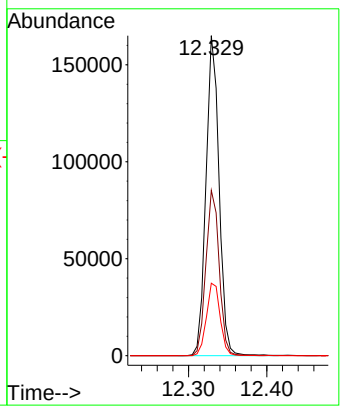


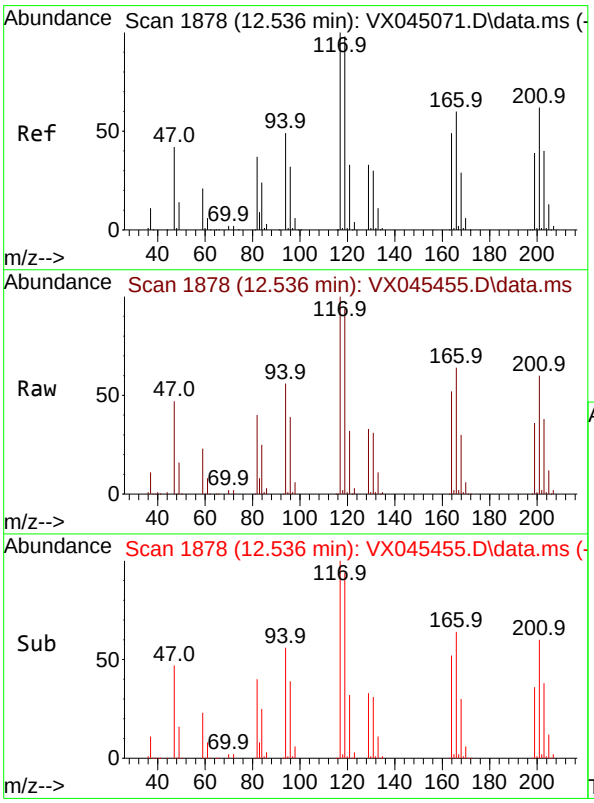
#89
n-Butylbenzene
Concen: 60.909 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045455.D
Acq: 25 Mar 2025 21:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 190918

Ion	Ratio	Lower	Upper
91	100		
92	52.6	26.7	80.0
134	23.7	12.2	36.6

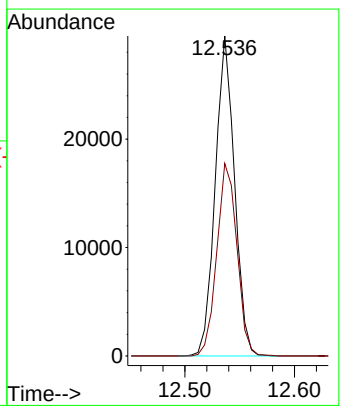


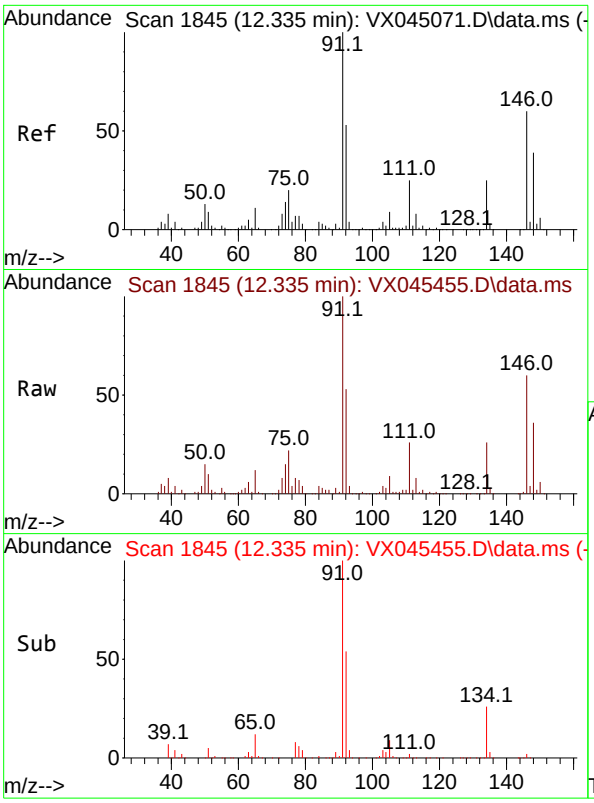


#90
Hexachloroethane
Concen: 54.843 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX045455.D
Acq: 25 Mar 2025 21:00

Tgt Ion:117 Resp: 36102

Ion	Ratio	Lower	Upper
117	100		
201	62.8	31.9	95.9



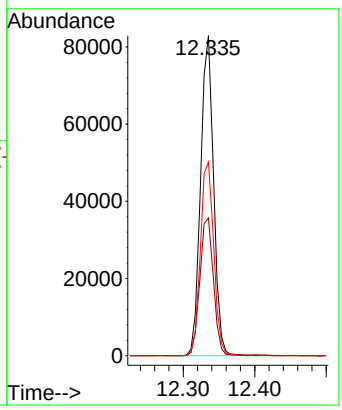


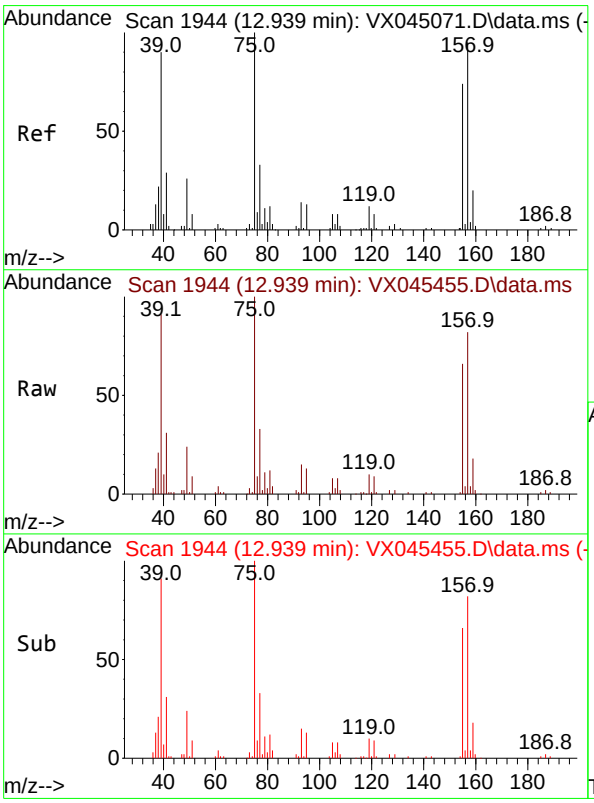
#91
1,2-Dichlorobenzene
Concen: 54.779 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045455.D
Acq: 25 Mar 2025 21:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:146 Resp: 104665

Ion	Ratio	Lower	Upper
146	100		
111	45.1	21.6	65.0
148	62.4	31.9	95.9

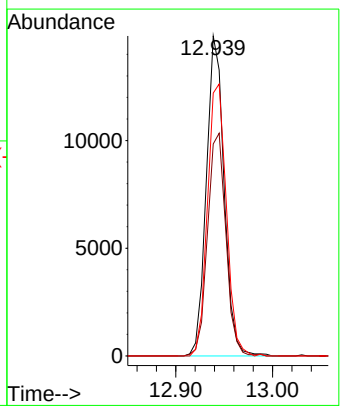


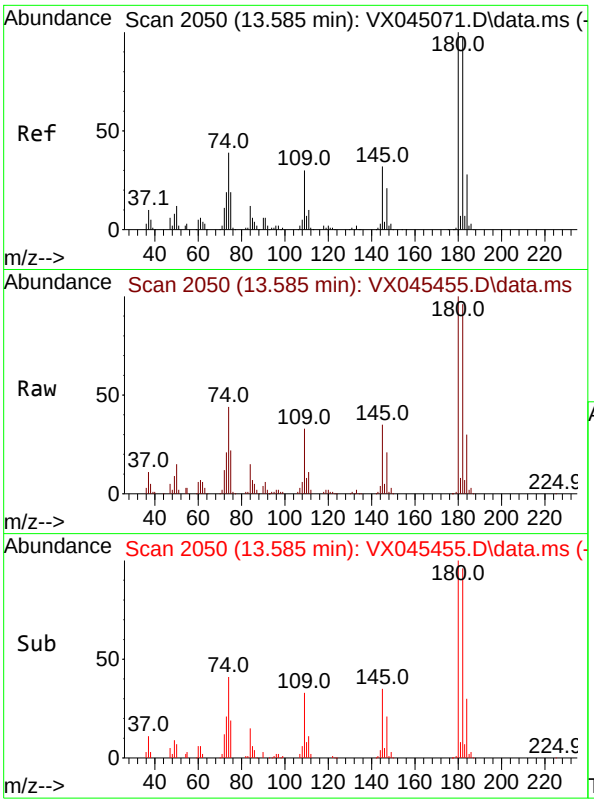


#92
1,2-Dibromo-3-Chloropropane
Concen: 58.867 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX045455.D
Acq: 25 Mar 2025 21:00

Tgt Ion: 75 Resp: 19044

Ion	Ratio	Lower	Upper
75	100		
155	71.5	39.6	118.7
157	89.8	51.1	153.4



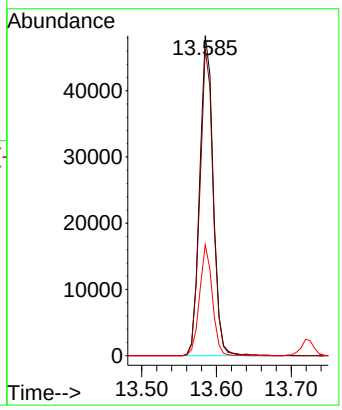


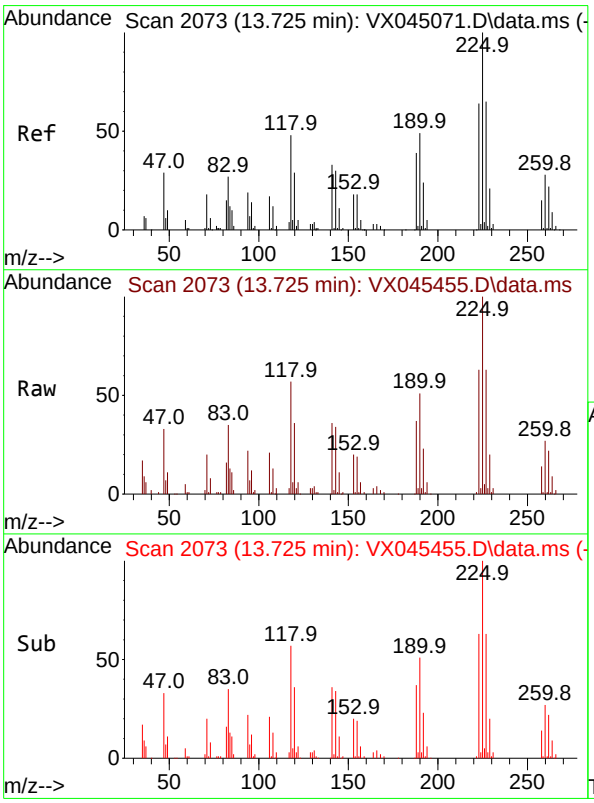
#93
1,2,4-Trichlorobenzene
Concen: 55.384 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045455.D
Acq: 25 Mar 2025 21:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:180 Resp: 60255

Ion	Ratio	Lower	Upper
180	100		
182	94.5	47.3	141.9
145	32.8	16.3	48.9

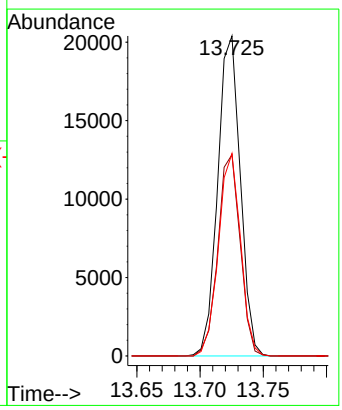


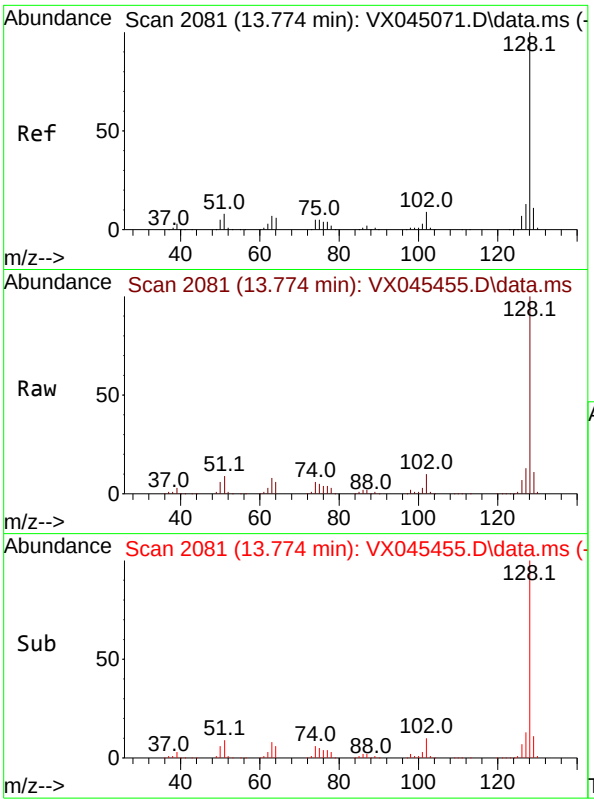


#94
Hexachlorobutadiene
Concen: 56.726 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX045455.D
Acq: 25 Mar 2025 21:00

Tgt Ion:225 Resp: 25302

Ion	Ratio	Lower	Upper
225	100		
223	62.1	31.9	95.7
227	61.9	31.4	94.0



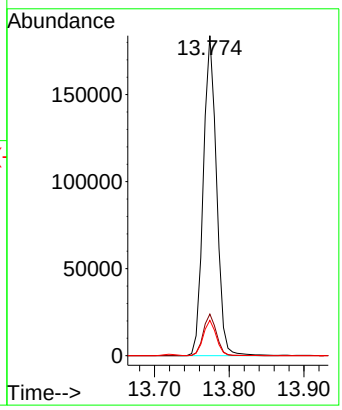


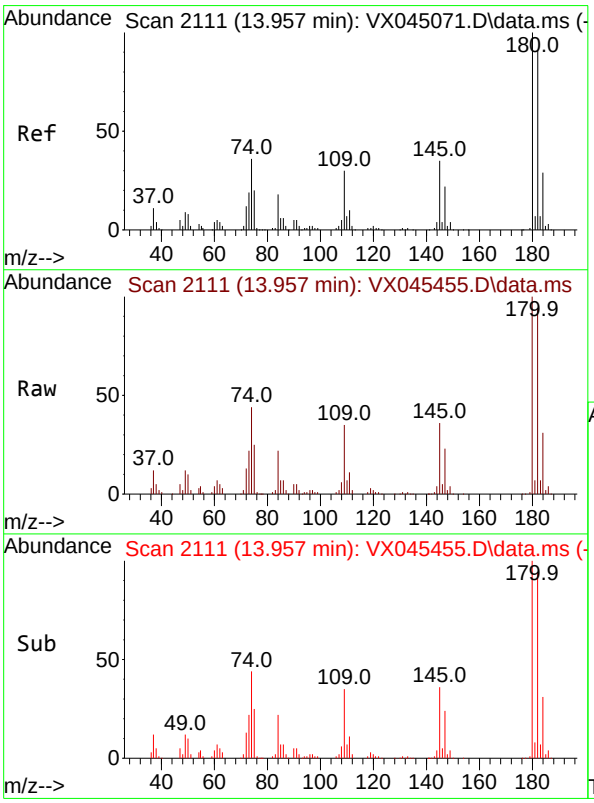
#95
Naphthalene
Concen: 54.121 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045455.D
Acq: 25 Mar 2025 21:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:128 Resp: 226227

Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.3	15.5
129	11.0	8.7	13.1





#96
1,2,3-Trichlorobenzene
Concen: 53.273 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.000 min
Lab File: VX045455.D
Acq: 25 Mar 2025 21:00

Tgt Ion:180 Resp: 61143

Ion	Ratio	Lower	Upper
180	100		
182	95.8	47.5	142.6
145	34.5	17.0	50.9

