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 : Q3095

ATTENTION : Eleanor Vivadou

Laboratory Certification ID # 20012

Table Of Contents for Q3095

1) VOLATILES DATA 2

2) Signature Page 5

3) Case Narrative 7

4) Qualifier Page 9

5) Conformance/Non Conformance 10

6) QA Checklist 12

7) Chronicle 13

8) Hit Summary 17

9) QC Data Summary For VOCMS Group1 25

- 9.1) Deuterated Monitoring Compound Summary 26
- 9.2) MS/MSD Summary 30
- 9.3) LCS/LCSD Summary 34
- 9.4) Method Blank Summary 40
- 9.5) GS/MS Tune Summary 43
- 9.6) Internal Standard Area and RT Summary 49

10) Sample Data 59

- 10.1) MW305I-20250908 60
- 10.2) MW179D-20250908 71
- 10.3) MW201D-20250908 82
- 10.4) MW179D1-20250908 97
- 10.5) MW203D2-20250909 109
- 10.6) MW203D1-20250909 121
- 10.7) MW179D2-20250909 134
- 10.8) MW201D1-20250909 145
- 10.9) RE122D1-20250909 155
- 10.10) RE122D1-20250909DL 167
- 10.11) MW202D-20250909 178
- 10.12) MW178I1-20250909 189
- 10.13) MW178I1-20250909DL 205
- 10.14) RE123D1-20250909 216
- 10.15) RE123D3-20250909 226
- 10.16) MW305D-20250909 236
- 10.17) MW305D-20250909DL 250
- 10.18) DUP01-20250909 260
- 10.19) DUP01-20250909DL 274

10.20) RE126D2-20250909 284
10.21) RE126D2-20250909DL 297
10.22) RE126D3-20250909 307
10.23) MW178S-20250910 317
10.24) RE126D1-20250910 328
10.25) MW202D1-20250910 338
10.26) RE104D2-20250910 349
10.27) RE104D2-20250910DL 363
10.28) MW178I-20250910 373
10.29) DUP02-20250910 385
10.30) DUP02-20250910DL 398
10.31) DUP03-20250910 408
10.32) RE117D1-20250910 420
10.33) RE104D3-20250910 433
10.34) RE122D2-20250910 443
10.35) RE122D2-20250910DL 456
10.36) RE104D1-20250910 466
10.37) TT180D-20250911 477
10.38) RE122D3-20250911 488
10.39) TB01-20250911 498
10.40) TB02-20250911 508
11) Calibration Data Summary 518
11.1) Initial Calibration Data 519
11.1.1) VX091625 519
11.2) Continued Calibration Data 889
11.2.1) VX047601.D 889
11.2.2) VX047629.D 949
11.2.3) VX047631.D 1009
11.2.4) VX047658.D 1069
11.2.5) VX047660.D 1129
11.2.6) VX047687.D 1189
12) QC Sample Data 1249
12.1) Tune Raw Data 1250
12.2) Method Blank Data 1254
12.3) LCS Data 1281

12.4) MS Data 1446
12.5) MSD Data 1501
13) Manual Integration 1556
14) Analytical Runlogs 1560
15) Standard Prep Logs 1574
16) Shipping Document 1666
16.1) Chain Of Custody 1667
16.2) Lab Certificate 1673
16.3) Internal COC 1674
17) Not Reviewed Data 1679

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

Cover Page

Order ID : Q3095

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

Client : AECOM Technical Services, Inc.

Lab Sample Number	Client Sample Number
Q3095-01	MW305I-20250908
Q3095-02	MW179D-20250908
Q3095-03	MW201D-20250908
Q3095-04	MW179D1-20250908
Q3095-05	MW203D2-20250909
Q3095-06	MW203D2-20250909MS
Q3095-07	MW203D2-20250909MSD
Q3095-08	MW203D1-20250909
Q3095-09	MW179D2-20250909
Q3095-10	MW201D1-20250909
Q3095-11	RE122D1-20250909
Q3095-12	MW202D-20250909
Q3095-13	MW178I1-20250909
Q3095-14	RE123D1-20250909
Q3095-15	RE123D3-20250909
Q3095-16	MW305D-20250909
Q3095-17	DUP01-20250909
Q3095-18	RE126D2-20250909
Q3095-19	RE126D3-20250909
Q3095-20	MW178S-20250910
Q3095-21	RE126D1-20250910
Q3095-22	MW202D1-20250910
Q3095-23	RE104D2-20250910
Q3095-24	MW178I-20250910
Q3095-25	DUP02-20250910
Q3095-26	DUP03-20250910
Q3095-27	RE117D1-20250910
Q3095-28	RE104D3-20250910
Q3095-29	RE122D2-20250910

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 10:50 am, Sep 24, 2025

Date: 9/23/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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

Cover Page

Order ID : Q3095

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

Client : AECOM Technical Services, Inc.

Lab Sample Number	Client Sample Number
Q3095-30	RE104D1-20250910
Q3095-31	TT180D-20250911
Q3095-32	RE122D3-20250911
Q3095-33	TB01-20250911
Q3095-34	TB02-20250911

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 10:50 am, Sep 24, 2025

Date: 9/23/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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

CASE NARRATIVE

AECOM Technical Services, Inc.
Project Name: NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258
Project # N/A
Order ID # Q3095
Test Name: VOCMS Group1

A. Number of Samples and Date of Receipt:
34 Water samples were received on 09/12/2025.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: VOCMS Group1. This data package contains results for VOCMS Group1.

C. Analytical Techniques:
The analysis perform ed on instrument MSVOA_X were done using GC colu mn DB-624UI 20m 0.18mm 1.0 um . Cat#121-1324UI. The analysis of VOCMS Group1 was based on method 8260D.

D. QA/ QC Samples:
The Holding Times were met for all analysis.

The Surrogate recoveries were met for all analysis except for MW305D-20250909 [Toluene-d8 - 86%], DUP01-20250909DL [4-Bromofluorobenzene - 115%], RE122D2-20250910DL [1,2-Dichloroethane-d4 - 120%, 4-Bromofluorobenzene - 117% and Toluene-d8 - 115%]. Due to high concentration of compounds, these samples required dilution. Therefore, samples were reanalyzed with dilution and reported.

The Internal Standards Areas were met for all analysis.
The Retention Times were met for all analysis.
The MS recoveries met the requirements for all compounds.
The MSD recoveries met the requirements for all compounds.
The RPD were met for all analysis.

The Blank Spike for {VX0918WBS01} with File ID: VX047634.D met requirements for all compounds except for Bromochloromethane[133%] is 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.

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

The Continuous Calibration File ID VX047631.D met the requirements except for Dichlorodifluoromethane is failing high but no positive hit in associate sample therefore no corrective action taken.

The Continuous Calibration File ID VX047660.D met the requirements except for Bromomethane and Dichlorodifluoromethane are failing high but no positive hit in associate sample therefore no corrective action taken.
The Tuning criteria met requirements.

Samples RE122D1-20250909, MW178I1-20250909, MW305D-20250909, DUP01-20250909, RE126D2-20250909, RE104D2-20250910, DUP02-20250910 and RE122D2-20250910 were diluted due to high concentrations.

E. Additional Comments:
The not QT review data is reported in the Miscellaneous.

The Sample #MW179D1-20250908, MW178I1-20250909, DUP01-20250909 ,TB02-20250911 have the concentration of target compound below Method detection limits, therefore it is not reported as Hit in Form1.

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

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

I certify that the data p ackage is in compliance with the te rms and conditions of the contract, both technically and for com pleteness, 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 10:56 am, Sep 24, 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

ALLIANCE 284 Sheffield Street, Mountainside New Jersey 07092

NEW JERSEY LAB ID#: 20012: NEW YORK LAB ID#: 11376

GC/MS VOA CONFORMANCE/NON-CONFORMANCE SUMMARY

ORDER ID: Q3095 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 VX047631.D met the requirements except for Dichlorodifluoromethane is failing high but no positive hit in associate sample therefore no corrective action taken. The Continuous Calibration File ID VX047660.D met the requirements except for Bromomethane and Dichlorodifluoromethane are failing high but no positive hit in associate sample therefore no corrective action taken.			✓
6.	Blank Contamination - If yes, list compounds and concentrations in each blank:		✓	
7.	Surrogate Recoveries Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable ranges. The Surrogate recoveries were met for all analysis except for MW305D-20250909 [Toluene-d8 - 86%], DUP01-20250909DL [4-Bromofluorobenzene - 115%], RE122D2-20250910DL [1,2-Dichloroethane-d4 - 120%, 4-Bromofluorobenzene - 117% and Toluene-d8 - 115%]. Due to high concentration of compounds, these samples required dilution. Therefore, samples were reanalyzed with dilution and reported.		✓	
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 {VX0918WBS01} with File ID: VX047634.D met requirements for all compounds except for Bromochloromethane[133%] is failing high but no positive hit in associate sample therefore no corrective action taken.		✓	

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

		NA	NO	YES
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 RE122D1-20250909, MW178I1-20250909, MW305D-20250909, DUP01-20250909, RE126D2-20250909, RE104D2-20250910, DUP02-20250910 and RE122D2-20250910 were diluted due to high concentrations.
The not QT review data is reported in the Miscellaneous.

The Sample #MW179D1-20250908, MW178I1-20250909 ,DUP01-20250909, TB02-20250911 have the concentration of target compound below Method detection limits, therefore it is not reported as Hit in Form1.

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

QA REVIEW

REVIEWED
By Sohil Jodhani, QA/QC Director at 10:15 am, Sep 24, 2025

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

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q3095

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

QA Review Signature: SOHIL JODHANI **Date:** 09/23/2025

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

LAB CHRONICLE

OrderID:	Q3095	**OrderDate:**	9/12/2025 12:38:00 PM
Client:	AECOM Technical Services, Inc.	**Project:**	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258
Contact:	Eleanor Vivadou	**Location:**	D31,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3095-01	**MW305I-20250908**	**Water**			**09/08/25**			**09/12/25**
			VOCMS Group1	8260-Low			09/17/25	
Q3095-02	**MW179D-20250908**	**Water**			**09/08/25**			**09/12/25**
			VOCMS Group1	8260-Low			09/17/25	
Q3095-03	**MW201D-20250908**	**Water**			**09/08/25**			**09/12/25**
			VOCMS Group1	8260-Low			09/17/25	
Q3095-04	**MW179D1-20250908**	**Water**			**09/08/25**			**09/12/25**
			VOCMS Group1	8260-Low			09/17/25	
Q3095-05	**MW203D2-20250909**	**Water**			**09/09/25**			**09/12/25**
			VOCMS Group1	8260-Low			09/17/25	
Q3095-08	**MW203D1-20250909**	**Water**			**09/09/25**			**09/12/25**
			VOCMS Group1	8260-Low			09/17/25	
Q3095-09	**MW179D2-20250909**	**Water**			**09/09/25**			**09/12/25**
			VOCMS Group1	8260-Low			09/17/25	
Q3095-10	**MW201D1-20250909**	**Water**			**09/09/25**			**09/12/25**
			VOCMS Group1	8260-Low			09/17/25	
Q3095-11	**RE122D1-20250909**	**Water**			**09/09/25**			**09/12/25**
			VOCMS Group1	8260-Low			09/17/25	
Q3095-11DL	**RE122D1-20250909DL**	**Water**			**09/09/25**			**09/12/25**
			VOCMS Group1	8260-Low			09/18/25	
Q3095-12	**MW202D-20250909**	**Water**			**09/09/25**			**09/12/25**
			VOCMS Group1	8260-Low			09/18/25	

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

LAB CHRONICLE

Q3095-13	**MW178I1-20250909**	**Water**			**09/09/25**		**09/12/25**
			VOCMS Group1	8260-Low		09/17/25	
Q3095-13DL	**MW178I1-20250909DL**	**Water**			**09/09/25**		**09/12/25**
			VOCMS Group1	8260-Low		09/18/25	
Q3095-14	**RE123D1-20250909**	**Water**			**09/09/25**		**09/12/25**
			VOCMS Group1	8260-Low		09/18/25	
Q3095-15	**RE123D3-20250909**	**Water**			**09/09/25**		**09/12/25**
			VOCMS Group1	8260-Low		09/18/25	
Q3095-16	**MW305D-20250909**	**Water**			**09/09/25**		**09/12/25**
			VOCMS Group1	8260-Low		09/17/25	
Q3095-16DL	**MW305D-20250909DL**	**Water**			**09/09/25**		**09/12/25**
			VOCMS Group1	8260-Low		09/18/25	
Q3095-17	**DUP01-20250909**	**Water**			**09/09/25**		**09/12/25**
			VOCMS Group1	8260-Low		09/17/25	
Q3095-17DL	**DUP01-20250909DL**	**Water**			**09/09/25**		**09/12/25**
			VOCMS Group1	8260-Low		09/18/25	
Q3095-18	**RE126D2-20250909**	**Water**			**09/09/25**		**09/12/25**
			VOCMS Group1	8260-Low		09/17/25	
Q3095-18DL	**RE126D2-20250909DL**	**Water**			**09/09/25**		**09/12/25**
			VOCMS Group1	8260-Low		09/18/25	
Q3095-19	**RE126D3-20250909**	**Water**			**09/09/25**		**09/12/25**
			VOCMS Group1	8260-Low		09/18/25	
Q3095-20	**MW178S-20250910**	**Water**			**09/10/25**		**09/12/25**
			VOCMS Group1	8260-Low		09/18/25	
Q3095-21	**RE126D1-20250910**	**Water**			**09/10/25**		**09/12/25**
			VOCMS Group1	8260-Low		09/17/25	
Q3095-22	**MW202D1-20250910**	**Water**			**09/10/25**		**09/12/25**
			VOCMS Group1	8260-Low		09/17/25	

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

LAB CHRONICLE

Q3095-23	**RE104D2-20250910**	**Water**			**09/10/25**		**09/12/25**
			VOCMS Group1	8260-Low		09/18/25	
Q3095-23DL	**RE104D2-20250910DL**	**Water**			**09/10/25**		**09/12/25**
			VOCMS Group1	8260-Low		09/19/25	
Q3095-24	**MW178I-20250910**	**Water**			**09/10/25**		**09/12/25**
			VOCMS Group1	8260-Low		09/19/25	
Q3095-25	**DUP02-20250910**	**Water**			**09/10/25**		**09/12/25**
			VOCMS Group1	8260-Low		09/18/25	
Q3095-25DL	**DUP02-20250910DL**	**Water**			**09/10/25**		**09/12/25**
			VOCMS Group1	8260-Low		09/19/25	
Q3095-26	**DUP03-20250910**	**Water**			**09/10/25**		**09/12/25**
			VOCMS Group1	8260-Low		09/19/25	
Q3095-27	**RE117D1-20250910**	**Water**			**09/10/25**		**09/12/25**
			VOCMS Group1	8260-Low		09/19/25	
Q3095-28	**RE104D3-20250910**	**Water**			**09/10/25**		**09/12/25**
			VOCMS Group1	8260-Low		09/18/25	
Q3095-29	**RE122D2-20250910**	**Water**			**09/10/25**		**09/12/25**
			VOCMS Group1	8260-Low		09/18/25	
Q3095-29DL	**RE122D2-20250910DL**	**Water**			**09/10/25**		**09/12/25**
			VOCMS Group1	8260-Low		09/19/25	
Q3095-30	**RE104D1-20250910**	**Water**			**09/10/25**		**09/12/25**
			VOCMS Group1	8260-Low		09/19/25	
Q3095-31	**TT180D-20250911**	**Water**			**09/11/25**		**09/12/25**
			VOCMS Group1	8260-Low		09/19/25	
Q3095-32	**RE122D3-20250911**	**Water**			**09/11/25**		**09/12/25**
			VOCMS Group1	8260-Low		09/19/25	
Q3095-33	**TB01-20250911**	**Water**			**09/11/25**		**09/12/25**
			VOCMS Group1	8260-Low		09/18/25	

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

LAB CHRONICLE

Q3095-34	**TB02-20250911**	**Water**		**09/11/25**		**09/12/25**
			VOCMS Group1	8260-Low	09/18/25	

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

Hit Summary Sheet
SW-846

SDG No.: Q3095

Client: AECOM Technical Services, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID:	**MW305I-20250908**								
Q3095-01	MW305I-20250908	Water	1,1,2-Trichlorotrifluoroethane	0.67	J	0.25	0.50	1.00	ug/L
Q3095-01	MW305I-20250908	Water	1,1-Dichloroethene	0.42	J	0.23	0.75	1.00	ug/L
Q3095-01	MW305I-20250908	Water	Trichloroethene	68.9		0.090	0.75	1.00	ug/L
Q3095-01	MW305I-20250908	Water	Tetrachloroethene	0.78	J	0.23	0.50	1.00	ug/L
			Total Voc :	70.8					
			Total Concentration:	70.8					
Client ID:	**MW179D-20250908**								
Q3095-02	MW179D-2025090	Water	Methyl tert-butyl Ether	1.70		0.16	0.50	1.00	ug/L
Q3095-02	MW179D-2025090	Water	cis-1,2-Dichloroethene	28.3		0.19	0.75	1.00	ug/L
Q3095-02	MW179D-2025090	Water	Trichloroethene	88.0		0.090	0.75	1.00	ug/L
Q3095-02	MW179D-2025090	Water	Tetrachloroethene	9.10		0.23	0.50	1.00	ug/L
			Total Voc :	127					
			Total Concentration:	127					
Client ID:	**MW201D-20250908**								
Q3095-03	MW201D-2025090	Water	Dichlorodifluoromethane	10.7		0.22	0.50	1.00	ug/L
Q3095-03	MW201D-2025090	Water	Trichlorofluoromethane	140		0.33	0.50	1.00	ug/L
Q3095-03	MW201D-2025090	Water	1,1,2-Trichlorotrifluoroethane	2.50		0.25	0.50	1.00	ug/L
Q3095-03	MW201D-2025090	Water	1,1-Dichloroethene	45.2		0.23	0.75	1.00	ug/L
Q3095-03	MW201D-2025090	Water	Methyl tert-butyl Ether	0.84	J	0.16	0.50	1.00	ug/L
Q3095-03	MW201D-2025090	Water	1,1-Dichloroethane	4.50		0.23	0.50	1.00	ug/L
Q3095-03	MW201D-2025090	Water	cis-1,2-Dichloroethene	2.10		0.19	0.75	1.00	ug/L
Q3095-03	MW201D-2025090	Water	Chloroform	7.60		0.25	0.50	1.00	ug/L
Q3095-03	MW201D-2025090	Water	1,1,1-Trichloroethane	4.30		0.20	0.50	1.00	ug/L
Q3095-03	MW201D-2025090	Water	Trichloroethene	83.3		0.090	0.75	1.00	ug/L
Q3095-03	MW201D-2025090	Water	1,1,2-Trichloroethane	0.39	J	0.21	0.50	1.00	ug/L
Q3095-03	MW201D-2025090	Water	Tetrachloroethene	86.5		0.23	0.50	1.00	ug/L
			Total Voc :	388					
			Total Concentration:	388					
Client ID:	**MW179D1-20250908**								
Q3095-04	MW179D1-202509	Water	1,1-Dichloroethene	0.64	J	0.23	0.75	1.00	ug/L
Q3095-04	MW179D1-202509	Water	Methyl tert-butyl Ether	0.75	J	0.16	0.50	1.00	ug/L
Q3095-04	MW179D1-202509	Water	cis-1,2-Dichloroethene	13.5		0.19	0.75	1.00	ug/L
Q3095-04	MW179D1-202509	Water	Trichloroethene	120		0.090	0.75	1.00	ug/L
Q3095-04	MW179D1-202509	Water	Tetrachloroethene	13.0		0.23	0.50	1.00	ug/L
			Total Voc :	148					
			Total Concentration:	148					
Client ID:	**MW203D2-20250909**								

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

Hit Summary Sheet
SW-846

SDG No.: Q3095

Client: AECOM Technical Services, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Q3095-05	MW203D2-202509(	Water	1,1-Dichloroethene	1.20		0.23	0.75	1.00	ug/L
Q3095-05	MW203D2-202509(	Water	1,1-Dichloroethane	5.80		0.23	0.50	1.00	ug/L
Q3095-05	MW203D2-202509(	Water	cis-1,2-Dichloroethene	2.00		0.19	0.75	1.00	ug/L
Q3095-05	MW203D2-202509(	Water	Chloroform	0.46	J	0.25	0.50	1.00	ug/L
Q3095-05	MW203D2-202509(	Water	Trichloroethene	1.90		0.090	0.75	1.00	ug/L
Q3095-05	MW203D2-202509(	Water	Tetrachloroethene	0.78	J	0.23	0.50	1.00	ug/L
			Total Voc :	12.1					
			Total Concentration:	12.1					
Client ID:	**MW203D1-20250909**								
Q3095-08	MW203D1-202509(	Water	1,1-Dichloroethene	5.90		0.23	0.75	1.00	ug/L
Q3095-08	MW203D1-202509(	Water	Methyl tert-butyl Ether	0.92	J	0.16	0.50	1.00	ug/L
Q3095-08	MW203D1-202509(	Water	1,1-Dichloroethane	12.2		0.23	0.50	1.00	ug/L
Q3095-08	MW203D1-202509(	Water	Chloroform	0.85	J	0.25	0.50	1.00	ug/L
Q3095-08	MW203D1-202509(	Water	1,1,1-Trichloroethane	2.00		0.20	0.50	1.00	ug/L
Q3095-08	MW203D1-202509(	Water	Trichloroethene	4.60		0.090	0.75	1.00	ug/L
Q3095-08	MW203D1-202509(	Water	Tetrachloroethene	1.90		0.23	0.50	1.00	ug/L
			Total Voc :	28.4					
			Total Concentration:	28.4					
Client ID:	**MW179D2-20250909**								
Q3095-09	MW179D2-202509(	Water	1,1-Dichloroethene	1.30		0.23	0.75	1.00	ug/L
Q3095-09	MW179D2-202509(	Water	1,1-Dichloroethane	0.68	J	0.23	0.50	1.00	ug/L
Q3095-09	MW179D2-202509(	Water	Trichloroethene	7.30		0.090	0.75	1.00	ug/L
Q3095-09	MW179D2-202509(	Water	Tetrachloroethene	1.70		0.23	0.50	1.00	ug/L
			Total Voc :	11.0					
			Total Concentration:	11.0					
Client ID:	**MW201D1-20250909**								
Q3095-10	MW201D1-202509(	Water	Trichloroethene	0.59	J	0.090	0.75	1.00	ug/L
Q3095-10	MW201D1-202509(	Water	Tetrachloroethene	0.50	J	0.23	0.50	1.00	ug/L
			Total Voc :	1.09					
			Total Concentration:	1.09					
Client ID:	**RE122D1-20250909**								
Q3095-11	RE122D1-2025090(	Water	1,1,2-Trichlorotrifluoroethane	1.50		0.25	0.50	1.00	ug/L
Q3095-11	RE122D1-2025090(	Water	1,1-Dichloroethene	0.29	J	0.23	0.75	1.00	ug/L
Q3095-11	RE122D1-2025090(	Water	trans-1,2-Dichloroethene	0.39	J	0.23	0.50	1.00	ug/L
Q3095-11	RE122D1-2025090(	Water	cis-1,2-Dichloroethene	1.60		0.19	0.75	1.00	ug/L
Q3095-11	RE122D1-2025090(	Water	Trichloroethene	250	E	0.090	0.75	1.00	ug/L
Q3095-11	RE122D1-2025090(	Water	Tetrachloroethene	1.80		0.23	0.50	1.00	ug/L
			Total Voc :	256					
			Total Concentration:	256					

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

Hit Summary Sheet
SW-846

SDG No.: Q3095

Client: AECOM Technical Services, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID:	**RE122D1-20250909DL**								
Q3095-11DL	RE122D1-2025090	Water	1,1,2-Trichlorotrifluoroethane	1.80	JD	1.30	2.50	5.00	ug/L
Q3095-11DL	RE122D1-2025090	Water	Trichloroethene	270	D	0.47	3.80	5.00	ug/L
Q3095-11DL	RE122D1-2025090	Water	Tetrachloroethene	2.20	JD	1.20	2.50	5.00	ug/L
			Total Voc :	274					
			Total Concentration:	274					
Client ID:	**MW202D-20250909**								
Q3095-12	MW202D-2025090	Water	cis-1,2-Dichloroethene	0.56	J	0.19	0.75	1.00	ug/L
Q3095-12	MW202D-2025090	Water	Trichloroethene	4.60		0.090	0.75	1.00	ug/L
Q3095-12	MW202D-2025090	Water	Tetrachloroethene	2.20		0.23	0.50	1.00	ug/L
			Total Voc :	7.36					
			Total Concentration:	7.36					
Client ID:	**MW178I1-20250909**								
Q3095-13	MW178I1-2025090	Water	1,1-Dichloroethene	1.60		0.23	0.75	1.00	ug/L
Q3095-13	MW178I1-2025090	Water	Acetone	4.00	J	1.50	3.80	5.00	ug/L
Q3095-13	MW178I1-2025090	Water	Methyl tert-butyl Ether	0.39	J	0.16	0.50	1.00	ug/L
Q3095-13	MW178I1-2025090	Water	trans-1,2-Dichloroethene	0.40	J	0.23	0.50	1.00	ug/L
Q3095-13	MW178I1-2025090	Water	1,1-Dichloroethane	0.92	J	0.23	0.50	1.00	ug/L
Q3095-13	MW178I1-2025090	Water	cis-1,2-Dichloroethene	27.0		0.19	0.75	1.00	ug/L
Q3095-13	MW178I1-2025090	Water	Trichloroethene	370	E	0.090	0.75	1.00	ug/L
Q3095-13	MW178I1-2025090	Water	1,2-Dichloropropane	19.4		0.20	0.50	1.00	ug/L
Q3095-13	MW178I1-2025090	Water	1,1,2-Trichloroethane	0.32	J	0.21	0.50	1.00	ug/L
Q3095-13	MW178I1-2025090	Water	Tetrachloroethene	30.7		0.23	0.50	1.00	ug/L
			Total Voc :	455					
			Total Concentration:	455					
Client ID:	**MW178I1-20250909DL**								
Q3095-13DL	MW178I1-2025090	Water	cis-1,2-Dichloroethene	24.1	D	1.90	7.50	10.0	ug/L
Q3095-13DL	MW178I1-2025090	Water	Trichloroethene	370	D	0.93	7.50	10.0	ug/L
Q3095-13DL	MW178I1-2025090	Water	1,2-Dichloropropane	19.0	D	2.00	5.00	10.0	ug/L
Q3095-13DL	MW178I1-2025090	Water	Tetrachloroethene	30.3	D	2.30	5.00	10.0	ug/L
			Total Voc :	443					
			Total Concentration:	443					
Client ID:	**RE123D1-20250909**								
Q3095-14	RE123D1-2025090	Water	Trichloroethene	13.1		0.090	0.75	1.00	ug/L
			Total Voc :	13.1					
			Total Concentration:	13.1					
Client ID:	**RE123D3-20250909**								
Q3095-15	RE123D3-2025090	Water	Trichloroethene	0.23	J	0.090	0.75	1.00	ug/L
			Total Voc :	0.23					

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

Hit Summary Sheet
SW-846

SDG No.: Q3095

Client: AECOM Technical Services, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
			Total Concentration:	0.23					
Client ID:	**MW305D-20250909**								
Q3095-16	MW305D-2025090	Water	Trichlorofluoromethane	0.33	J	0.33	0.50	1.00	ug/L
Q3095-16	MW305D-2025090	Water	1,1,2-Trichlorotrifluoroethane	0.54	J	0.25	0.50	1.00	ug/L
Q3095-16	MW305D-2025090	Water	1,1-Dichloroethene	1.10		0.23	0.75	1.00	ug/L
Q3095-16	MW305D-2025090	Water	Methyl tert-butyl Ether	0.67	J	0.16	0.50	1.00	ug/L
Q3095-16	MW305D-2025090	Water	trans-1,2-Dichloroethene	0.40	J	0.23	0.50	1.00	ug/L
Q3095-16	MW305D-2025090	Water	1,1-Dichloroethane	0.53	J	0.23	0.50	1.00	ug/L
Q3095-16	MW305D-2025090	Water	cis-1,2-Dichloroethene	1.50		0.19	0.75	1.00	ug/L
Q3095-16	MW305D-2025090	Water	Trichloroethene	1100	E	0.090	0.75	1.00	ug/L
Q3095-16	MW305D-2025090	Water	Tetrachloroethene	1.70		0.23	0.50	1.00	ug/L
			Total Voc :	1110					
			Total Concentration:	1110					
Client ID:	**MW305D-20250909DL**								
Q3095-16DL	MW305D-2025090	Water	Trichloroethene	1000	D	1.90	15.0	20.0	ug/L
			Total Voc :	1000					
			Total Concentration:	1000					
Client ID:	**DUP01-20250909**								
Q3095-17	DUP01-20250909	Water	1,1,2-Trichlorotrifluoroethane	0.49	J	0.25	0.50	1.00	ug/L
Q3095-17	DUP01-20250909	Water	1,1-Dichloroethene	0.73	J	0.23	0.75	1.00	ug/L
Q3095-17	DUP01-20250909	Water	Methyl tert-butyl Ether	0.66	J	0.16	0.50	1.00	ug/L
Q3095-17	DUP01-20250909	Water	trans-1,2-Dichloroethene	0.31	J	0.23	0.50	1.00	ug/L
Q3095-17	DUP01-20250909	Water	1,1-Dichloroethane	0.49	J	0.23	0.50	1.00	ug/L
Q3095-17	DUP01-20250909	Water	cis-1,2-Dichloroethene	1.20		0.19	0.75	1.00	ug/L
Q3095-17	DUP01-20250909	Water	Trichloroethene	1000	E	0.090	0.75	1.00	ug/L
Q3095-17	DUP01-20250909	Water	Tetrachloroethene	1.60		0.23	0.50	1.00	ug/L
			Total Voc :	1010					
			Total Concentration:	1010					
Client ID:	**DUP01-20250909DL**								
Q3095-17DL	DUP01-20250909D	Water	Trichloroethene	1000	D	1.90	15.0	20.0	ug/L
			Total Voc :	1000					
			Total Concentration:	1000					
Client ID:	**RE126D2-20250909**								
Q3095-18	RE126D2-2025090	Water	1,1,2-Trichlorotrifluoroethane	0.48	J	0.25	0.50	1.00	ug/L
Q3095-18	RE126D2-2025090	Water	1,1-Dichloroethene	0.81	J	0.23	0.75	1.00	ug/L
Q3095-18	RE126D2-2025090	Water	1,1-Dichloroethane	0.79	J	0.23	0.50	1.00	ug/L
Q3095-18	RE126D2-2025090	Water	cis-1,2-Dichloroethene	0.48	J	0.19	0.75	1.00	ug/L
Q3095-18	RE126D2-2025090	Water	Chloroform	0.34	J	0.25	0.50	1.00	ug/L
Q3095-18	RE126D2-2025090	Water	Trichloroethene	380	E	0.090	0.75	1.00	ug/L

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

Hit Summary Sheet
SW-846

SDG No.: Q3095

Client: AECOM Technical Services, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Q3095-18	RE126D2-2025090	Water	Tetrachloroethene	0.78	J	0.23	0.50	1.00	ug/L
			Total Voc :	384					
			Total Concentration:	384					
Client ID:	**RE126D2-20250909DL**								
Q3095-18DL	RE126D2-2025090	Water	Trichloroethene	380	D	0.47	3.80	5.00	ug/L
			Total Voc :	380					
			Total Concentration:	380					
Client ID:	**RE126D3-20250909**								
Q3095-19	RE126D3-2025090	Water	Trichloroethene	3.10		0.090	0.75	1.00	ug/L
Q3095-19	RE126D3-2025090	Water	Tetrachloroethene	2.50		0.23	0.50	1.00	ug/L
			Total Voc :	5.60					
			Total Concentration:	5.60					
Client ID:	**MW178S-20250910**								
Q3095-20	MW178S-2025091(	Water	Acetone	2.50	J	1.50	3.80	5.00	ug/L
Q3095-20	MW178S-2025091(	Water	Methyl tert-butyl Ether	1.50		0.16	0.50	1.00	ug/L
Q3095-20	MW178S-2025091(	Water	Tetrachloroethene	0.26	J	0.23	0.50	1.00	ug/L
			Total Voc :	4.26					
			Total Concentration:	4.26					
Client ID:	**RE126D1-20250910**								
Q3095-21	RE126D1-2025091(	Water	Trichloroethene	12.9		0.090	0.75	1.00	ug/L
Q3095-21	RE126D1-2025091(	Water	Tetrachloroethene	1.10		0.23	0.50	1.00	ug/L
			Total Voc :	14.0					
			Total Concentration:	14.0					
Client ID:	**MW202D1-20250910**								
Q3095-22	MW202D1-202509	Water	Acetone	6.50		1.50	3.80	5.00	ug/L
Q3095-22	MW202D1-202509	Water	2-Butanone	7.80		0.98	2.50	5.00	ug/L
Q3095-22	MW202D1-202509	Water	Trichloroethene	0.50	J	0.090	0.75	1.00	ug/L
			Total Voc :	14.8					
			Total Concentration:	14.8					
Client ID:	**RE104D2-20250910**								
Q3095-23	RE104D2-2025091(	Water	1,1-Dichloroethene	0.78	J	0.23	0.75	1.00	ug/L
Q3095-23	RE104D2-2025091(	Water	trans-1,2-Dichloroethene	0.73	J	0.23	0.50	1.00	ug/L
Q3095-23	RE104D2-2025091(	Water	1,1-Dichloroethane	1.00		0.23	0.50	1.00	ug/L
Q3095-23	RE104D2-2025091(	Water	cis-1,2-Dichloroethene	26.6		0.19	0.75	1.00	ug/L
Q3095-23	RE104D2-2025091(	Water	Chloroform	1.20		0.25	0.50	1.00	ug/L
Q3095-23	RE104D2-2025091(	Water	1,2-Dichloroethane	1.10		0.22	0.50	1.00	ug/L
Q3095-23	RE104D2-2025091(	Water	Trichloroethene	280	E	0.090	0.75	1.00	ug/L
Q3095-23	RE104D2-2025091(	Water	1,2-Dichloropropane	0.30	J	0.20	0.50	1.00	ug/L
Q3095-23	RE104D2-2025091(	Water	1,1,2-Trichloroethane	0.27	J	0.21	0.50	1.00	ug/L

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

Hit Summary Sheet
SW-846

SDG No.: Q3095

Client: AECOM Technical Services, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Q3095-23	RE104D2-2025091(	Water	Tetrachloroethene	0.39	J	0.23	0.50	1.00	ug/L
			Total Voc :	312					
			Total Concentration:	312					
Client ID:	**RE104D2-20250910DL**								
Q3095-23DL	RE104D2-2025091(	Water	cis-1,2-Dichloroethene	24.9	D	0.95	3.80	5.00	ug/L
Q3095-23DL	RE104D2-2025091(	Water	Trichloroethene	290	D	0.47	3.80	5.00	ug/L
			Total Voc :	315					
			Total Concentration:	315					
Client ID:	**MW178I-20250910**								
Q3095-24	MW178I-20250910	Water	Acetone	2.50	J	1.50	3.80	5.00	ug/L
Q3095-24	MW178I-20250910	Water	Methyl tert-butyl Ether	0.69	J	0.16	0.50	1.00	ug/L
Q3095-24	MW178I-20250910	Water	Chloroform	0.37	J	0.25	0.50	1.00	ug/L
Q3095-24	MW178I-20250910	Water	Trichloroethene	0.90	J	0.090	0.75	1.00	ug/L
Q3095-24	MW178I-20250910	Water	Tetrachloroethene	0.43	J	0.23	0.50	1.00	ug/L
			Total Voc :	4.89					
			Total Concentration:	4.89					
Client ID:	**DUP02-20250910**								
Q3095-25	DUP02-20250910	Water	1,1,2-Trichlorotrifluoroethane	8.10		0.25	0.50	1.00	ug/L
Q3095-25	DUP02-20250910	Water	1,1-Dichloroethene	2.00		0.23	0.75	1.00	ug/L
Q3095-25	DUP02-20250910	Water	Carbon Tetrachloride	1.30		0.25	0.50	1.00	ug/L
Q3095-25	DUP02-20250910	Water	cis-1,2-Dichloroethene	1.80		0.19	0.75	1.00	ug/L
Q3095-25	DUP02-20250910	Water	Chloroform	0.81	J	0.25	0.50	1.00	ug/L
Q3095-25	DUP02-20250910	Water	Trichloroethene	2900	E	0.090	0.75	1.00	ug/L
Q3095-25	DUP02-20250910	Water	1,1,2-Trichloroethane	0.96	J	0.21	0.50	1.00	ug/L
Q3095-25	DUP02-20250910	Water	Tetrachloroethene	3.70		0.23	0.50	1.00	ug/L
			Total Voc :	2920					
			Total Concentration:	2920					
Client ID:	**DUP02-20250910DL**								
Q3095-25DL	DUP02-20250910D	Water	Trichloroethene	2900	D	4.70	37.5	50.0	ug/L
			Total Voc :	2900					
			Total Concentration:	2900					
Client ID:	**DUP03-20250910**								
Q3095-26	DUP03-20250910	Water	Acetone	19.1		1.50	3.80	5.00	ug/L
Q3095-26	DUP03-20250910	Water	Methyl tert-butyl Ether	1.50		0.16	0.50	1.00	ug/L
Q3095-26	DUP03-20250910	Water	2-Butanone	26.0		0.98	2.50	5.00	ug/L
Q3095-26	DUP03-20250910	Water	Trichloroethene	0.74	J	0.090	0.75	1.00	ug/L
Q3095-26	DUP03-20250910	Water	Tetrachloroethene	0.65	J	0.23	0.50	1.00	ug/L
			Total Voc :	48.0					
			Total Concentration:	48.0					

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

Hit Summary Sheet
SW-846

SDG No.: Q3095

Client: AECOM Technical Services, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID:	**RE117D1-20250910**								
Q3095-27	RE117D1-2025091(	Water	1,1,2-Trichlorotrifluoroethane	1.90		0.25	0.50	1.00	ug/L
Q3095-27	RE117D1-2025091(	Water	1,1-Dichloroethene	1.80		0.23	0.75	1.00	ug/L
Q3095-27	RE117D1-2025091(	Water	Acetone	3.20	J	1.50	3.80	5.00	ug/L
Q3095-27	RE117D1-2025091(	Water	Carbon Tetrachloride	1.30		0.25	0.50	1.00	ug/L
Q3095-27	RE117D1-2025091(	Water	cis-1,2-Dichloroethene	1.10		0.19	0.75	1.00	ug/L
Q3095-27	RE117D1-2025091(	Water	Chloroform	0.43	J	0.25	0.50	1.00	ug/L
Q3095-27	RE117D1-2025091(	Water	Trichloroethene	120		0.090	0.75	1.00	ug/L
Q3095-27	RE117D1-2025091(	Water	1,1,2-Trichloroethane	0.61	J	0.21	0.50	1.00	ug/L
			Total Voc :	130					
			Total Concentration:	130					
Client ID:	**RE104D3-20250910**								
Q3095-28	RE104D3-2025091(	Water	Trichloroethene	2.30		0.090	0.75	1.00	ug/L
			Total Voc :	2.30					
			Total Concentration:	2.30					
Client ID:	**RE122D2-20250910**								
Q3095-29	RE122D2-2025091(	Water	1,1,2-Trichlorotrifluoroethane	8.30		0.25	0.50	1.00	ug/L
Q3095-29	RE122D2-2025091(	Water	1,1-Dichloroethene	2.10		0.23	0.75	1.00	ug/L
Q3095-29	RE122D2-2025091(	Water	Carbon Tetrachloride	1.40		0.25	0.50	1.00	ug/L
Q3095-29	RE122D2-2025091(	Water	cis-1,2-Dichloroethene	1.80		0.19	0.75	1.00	ug/L
Q3095-29	RE122D2-2025091(	Water	Chloroform	0.81	J	0.25	0.50	1.00	ug/L
Q3095-29	RE122D2-2025091(	Water	Trichloroethene	2900	E	0.090	0.75	1.00	ug/L
Q3095-29	RE122D2-2025091(	Water	1,1,2-Trichloroethane	0.93	J	0.21	0.50	1.00	ug/L
Q3095-29	RE122D2-2025091(	Water	Tetrachloroethene	4.20		0.23	0.50	1.00	ug/L
			Total Voc :	2920					
			Total Concentration:	2920					
Client ID:	**RE122D2-20250910DL**								
Q3095-29DL	RE122D2-2025091(	Water	Trichloroethene	3000	D	4.70	37.5	50.0	ug/L
			Total Voc :	3000					
			Total Concentration:	3000					
Client ID:	**RE104D1-20250910**								
Q3095-30	RE104D1-2025091(	Water	1,1,2-Trichlorotrifluoroethane	0.95	J	0.25	0.50	1.00	ug/L
Q3095-30	RE104D1-2025091(	Water	Trichloroethene	44.9		0.090	0.75	1.00	ug/L
Q3095-30	RE104D1-2025091(	Water	Tetrachloroethene	2.70		0.23	0.50	1.00	ug/L
			Total Voc :	48.5					
			Total Concentration:	48.5					
Client ID:	**TT180D-20250911**								
Q3095-31	TT180D-20250911	Water	Acetone	4.50	J	1.50	3.80	5.00	ug/L
Q3095-31	TT180D-20250911	Water	Trichloroethene	2.20		0.090	0.75	1.00	ug/L

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

Hit Summary Sheet
SW-846

SDG No.: Q3095

Client: AECOM Technical Services, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
			Total Voc :	6.70					
			Total Concentration:	6.70					
Client ID:	**RE122D3-20250911**								
Q3095-32	RE122D3-20250911	Water	Trichloroethene	1.80		0.090	0.75	1.00	ug/L
			Total Voc :	1.80					
			Total Concentration:	1.80					
Client ID:	**TB01-20250911**								
Q3095-33	TB01-20250911	Water	Acetone	1.50	J	1.50	3.80	5.00	ug/L
			Total Voc :	1.50					
			Total Concentration:	1.50					

QC SUMMARY

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

Surrogate Summary

SDG No.: Q3095

Client: AECOM Technical Services, Inc.

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%) Low	High
Q3095-01	MW305I-20250908	1,2-Dichloroethane-d4	50	57.8	116		81	118
		Dibromofluoromethane	50	51.3	103		80	119
		Toluene-d8	50	51.3	103		89	112
		4-Bromofluorobenzene	50	55.5	111		85	114
Q3095-02	MW179D-20250908	1,2-Dichloroethane-d4	50	52.4	105		81	118
		Dibromofluoromethane	50	48.5	97		80	119
		Toluene-d8	50	49.3	99		89	112
		4-Bromofluorobenzene	50	50.7	101		85	114
Q3095-03	MW201D-20250908	1,2-Dichloroethane-d4	50	46.1	92		81	118
		Dibromofluoromethane	50	44.9	90		80	119
		Toluene-d8	50	45.3	91		89	112
		4-Bromofluorobenzene	50	50.0	100		85	114
Q3095-04	MW179D1-20250908	1,2-Dichloroethane-d4	50	51.6	103		81	118
		Dibromofluoromethane	50	47.9	96		80	119
		Toluene-d8	50	48.5	97		89	112
		4-Bromofluorobenzene	50	50.0	100		85	114
Q3095-05	MW203D2-20250909	1,2-Dichloroethane-d4	50	55.0	110		81	118
		Dibromofluoromethane	50	51.3	103		80	119
		Toluene-d8	50	50.6	101		89	112
		4-Bromofluorobenzene	50	51.9	104		85	114
Q3095-06MS	MW203D2-20250909MS	1,2-Dichloroethane-d4	50	52.0	104		81	118
		Dibromofluoromethane	50	50.0	100		80	119
		Toluene-d8	50	49.6	99		89	112
		4-Bromofluorobenzene	50	49.6	99		85	114
Q3095-07MSD	MW203D2-20250909MSD	1,2-Dichloroethane-d4	50	54.0	108		81	118
		Dibromofluoromethane	50	51.4	103		80	119
		Toluene-d8	50	51.5	103		89	112
		4-Bromofluorobenzene	50	52.3	105		85	114
Q3095-08	MW203D1-20250909	1,2-Dichloroethane-d4	50	54.5	109		81	118
		Dibromofluoromethane	50	50.9	102		80	119
		Toluene-d8	50	51.4	103		89	112
		4-Bromofluorobenzene	50	53.1	106		85	114
Q3095-09	MW179D2-20250909	1,2-Dichloroethane-d4	50	54.1	108		81	118
		Dibromofluoromethane	50	51.9	104		80	119
		Toluene-d8	50	52.1	104		89	112
		4-Bromofluorobenzene	50	54.6	109		85	114
Q3095-10	MW201D1-20250909	1,2-Dichloroethane-d4	50	53.7	107		81	118
		Dibromofluoromethane	50	51.1	102		80	119
		Toluene-d8	50	51.8	104		89	112
		4-Bromofluorobenzene	50	52.7	105		85	114
Q3095-11	RE122D1-20250909	1,2-Dichloroethane-d4	50	51.9	104		81	118
		Dibromofluoromethane	50	48.3	97		80	119
		Toluene-d8	50	48.3	96		89	112
		4-Bromofluorobenzene	50	48.8	98		85	114
Q3095-11DL	RE122D1-20250909DL	1,2-Dichloroethane-d4	50	51.7	103		81	118
		Dibromofluoromethane	50	50.2	100		80	119
		Toluene-d8	50	50.6	101		89	112
		4-Bromofluorobenzene	50	51.7	103		85	114
Q3095-12	MW202D-20250909	1,2-Dichloroethane-d4	50	55.0	110		81	118
		Dibromofluoromethane	50	54.7	109		80	119

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

Surrogate Summary

SDG No.: Q3095

Client: AECOM Technical Services, Inc.

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%) Low	High
Q3095-12	MW202D-20250909	Toluene-d8	50	54.7	109		89	112
		4-Bromofluorobenzene	50	55.7	111		85	114
Q3095-13	MW178I1-20250909	1,2-Dichloroethane-d4	50	52.4	105		81	118
		Dibromofluoromethane	50	48.7	97		80	119
		Toluene-d8	50	46.6	93		89	112
		4-Bromofluorobenzene	50	48.3	97		85	114
Q3095-13DL	MW178I1-20250909DL	1,2-Dichloroethane-d4	50	52.5	105		81	118
		Dibromofluoromethane	50	50.5	101		80	119
		Toluene-d8	50	51.5	103		89	112
		4-Bromofluorobenzene	50	52.4	105		85	114
Q3095-14	RE123D1-20250909	1,2-Dichloroethane-d4	50	48.3	97		81	118
		Dibromofluoromethane	50	46.0	92		80	119
		Toluene-d8	50	46.2	92		89	112
		4-Bromofluorobenzene	50	47.3	95		85	114
Q3095-15	RE123D3-20250909	1,2-Dichloroethane-d4	50	52.0	104		81	118
		Dibromofluoromethane	50	50.8	102		80	119
		Toluene-d8	50	50.8	102		89	112
		4-Bromofluorobenzene	50	51.3	103		85	114
Q3095-16	MW305D-20250909	1,2-Dichloroethane-d4	50	50.1	100		81	118
		Dibromofluoromethane	50	45.3	91		80	119
		Toluene-d8	50	43.0	86	*	89	112
		4-Bromofluorobenzene	50	45.1	90		85	114
Q3095-16DL	MW305D-20250909DL	1,2-Dichloroethane-d4	50	50.8	102		81	118
		Dibromofluoromethane	50	48.1	96		80	119
		Toluene-d8	50	48.5	97		89	112
		4-Bromofluorobenzene	50	49.0	98		85	114
Q3095-17	DUP01-20250909	1,2-Dichloroethane-d4	50	51.8	104		81	118
		Dibromofluoromethane	50	47.4	95		80	119
		Toluene-d8	50	45.3	91		89	112
		4-Bromofluorobenzene	50	47.4	95		85	114
Q3095-17DL	DUP01-20250909DL	1,2-Dichloroethane-d4	50	58.9	118		81	118
		Dibromofluoromethane	50	55.1	110		80	119
		Toluene-d8	50	56.1	112		89	112
		4-Bromofluorobenzene	50	57.5	115	*	85	114
Q3095-18	RE126D2-20250909	1,2-Dichloroethane-d4	50	53.3	107		81	118
		Dibromofluoromethane	50	50.2	100		80	119
		Toluene-d8	50	48.6	97		89	112
		4-Bromofluorobenzene	50	50.2	100		85	114
Q3095-18DL	RE126D2-20250909DL	1,2-Dichloroethane-d4	50	49.9	100		81	118
		Dibromofluoromethane	50	48.2	96		80	119
		Toluene-d8	50	49.4	99		89	112
		4-Bromofluorobenzene	50	50.1	100		85	114
Q3095-19	RE126D3-20250909	1,2-Dichloroethane-d4	50	55.6	111		81	118
		Dibromofluoromethane	50	52.6	105		80	119
		Toluene-d8	50	53.5	107		89	112
		4-Bromofluorobenzene	50	54.2	108		85	114
Q3095-20	MW178S-20250910	1,2-Dichloroethane-d4	50	55.7	111		81	118
		Dibromofluoromethane	50	51.4	103		80	119
		Toluene-d8	50	52.2	104		89	112
		4-Bromofluorobenzene	50	53.6	107		85	114

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

Surrogate Summary

SDG No.: Q3095

Client: AECOM Technical Services, Inc.

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%) Low	High
Q3095-21	RE126D1-20250910	1,2-Dichloroethane-d4	50	51.5	103		81	118
		Dibromofluoromethane	50	48.9	98		80	119
		Toluene-d8	50	48.7	97		89	112
		4-Bromofluorobenzene	50	49.5	99		85	114
Q3095-22	MW202D1-20250910	1,2-Dichloroethane-d4	50	52.2	104		81	118
		Dibromofluoromethane	50	49.2	98		80	119
		Toluene-d8	50	49.3	99		89	112
		4-Bromofluorobenzene	50	50.3	101		85	114
Q3095-23	RE104D2-20250910	1,2-Dichloroethane-d4	50	53.1	106		81	118
		Dibromofluoromethane	50	51.0	102		80	119
		Toluene-d8	50	51.0	102		89	112
		4-Bromofluorobenzene	50	51.5	103		85	114
Q3095-23DL	RE104D2-20250910DL	1,2-Dichloroethane-d4	50	48.9	98		81	118
		Dibromofluoromethane	50	48.1	96		80	119
		Toluene-d8	50	48.9	98		89	112
		4-Bromofluorobenzene	50	49.9	100		85	114
Q3095-24	MW178I-20250910	1,2-Dichloroethane-d4	50	51.1	102		81	118
		Dibromofluoromethane	50	47.6	95		80	119
		Toluene-d8	50	48.1	96		89	112
		4-Bromofluorobenzene	50	48.7	97		85	114
Q3095-25	DUP02-20250910	1,2-Dichloroethane-d4	50	53.8	107		81	118
		Dibromofluoromethane	50	50.9	102		80	119
		Toluene-d8	50	44.7	89		89	112
		4-Bromofluorobenzene	50	46.8	93		85	114
Q3095-25DL	DUP02-20250910DL	1,2-Dichloroethane-d4	50	54.5	109		81	118
		Dibromofluoromethane	50	54.1	108		80	119
		Toluene-d8	50	54.3	109		89	112
		4-Bromofluorobenzene	50	55.2	110		85	114
Q3095-26	DUP03-20250910	1,2-Dichloroethane-d4	50	51.9	104		81	118
		Dibromofluoromethane	50	50.4	101		80	119
		Toluene-d8	50	49.5	99		89	112
		4-Bromofluorobenzene	50	49.9	100		85	114
Q3095-27	RE117D1-20250910	1,2-Dichloroethane-d4	50	56.7	113		81	118
		Dibromofluoromethane	50	53.5	107		80	119
		Toluene-d8	50	53.4	107		89	112
		4-Bromofluorobenzene	50	53.9	108		85	114
Q3095-28	RE104D3-20250910	1,2-Dichloroethane-d4	50	50.9	102		81	118
		Dibromofluoromethane	50	48.2	96		80	119
		Toluene-d8	50	48.3	97		89	112
		4-Bromofluorobenzene	50	48.4	97		85	114
Q3095-29	RE122D2-20250910	1,2-Dichloroethane-d4	50	58.2	116		81	118
		Dibromofluoromethane	50	54.8	110		80	119
		Toluene-d8	50	48.9	98		89	112
		4-Bromofluorobenzene	50	50.7	101		85	114
Q3095-29DL	RE122D2-20250910DL	1,2-Dichloroethane-d4	50	60.1	120	*	81	118
		Dibromofluoromethane	50	57.3	115		80	119
		Toluene-d8	50	57.3	115	*	89	112
		4-Bromofluorobenzene	50	58.7	117	*	85	114
Q3095-30	RE104D1-20250910	1,2-Dichloroethane-d4	50	57.5	115		81	118
		Dibromofluoromethane	50	55.6	111		80	119

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

Surrogate Summary

SDG No.: Q3095

Client: AECOM Technical Services, Inc.

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%) Low	High
Q3095-30	RE104D1-20250910	Toluene-d8	50	55.3	111		89	112
		4-Bromofluorobenzene	50	55.6	111		85	114
Q3095-31	TT180D-20250911	1,2-Dichloroethane-d4	50	58.0	116		81	118
		Dibromofluoromethane	50	56.7	113		80	119
		Toluene-d8	50	56.1	112		89	112
		4-Bromofluorobenzene	50	56.6	113		85	114
Q3095-32	RE122D3-20250911	1,2-Dichloroethane-d4	50	51.1	102		81	118
		Dibromofluoromethane	50	50.1	100		80	119
		Toluene-d8	50	49.8	100		89	112
		4-Bromofluorobenzene	50	50.4	101		85	114
Q3095-33	TB01-20250911	1,2-Dichloroethane-d4	50	51.7	103		81	118
		Dibromofluoromethane	50	50.3	101		80	119
		Toluene-d8	50	50.6	101		89	112
		4-Bromofluorobenzene	50	51.3	103		85	114
Q3095-34	TB02-20250911	1,2-Dichloroethane-d4	50	51.4	103		81	118
		Dibromofluoromethane	50	49.5	99		80	119
		Toluene-d8	50	49.3	99		89	112
		4-Bromofluorobenzene	50	49.8	100		85	114
VX0917WBL01	VX0917WBL01	1,2-Dichloroethane-d4	50	50.2	100		81	118
		Dibromofluoromethane	50	47.0	94		80	119
		Toluene-d8	50	47.4	95		89	112
		4-Bromofluorobenzene	50	52.9	106		85	114
VX0917WBS01	VX0917WBS01	1,2-Dichloroethane-d4	50	50.5	101		81	118
		Dibromofluoromethane	50	50.9	102		80	119
		Toluene-d8	50	51.5	103		89	112
		4-Bromofluorobenzene	50	51.4	103		85	114
VX0918WBL01	VX0918WBL01	1,2-Dichloroethane-d4	50	52.8	106		81	118
		Dibromofluoromethane	50	49.1	98		80	119
		Toluene-d8	50	49.8	100		89	112
		4-Bromofluorobenzene	50	53.1	106		85	114
VX0918WBS01	VX0918WBS01	1,2-Dichloroethane-d4	50	48.7	97		81	118
		Dibromofluoromethane	50	50.0	100		80	119
		Toluene-d8	50	50.1	100		89	112
		4-Bromofluorobenzene	50	50.2	100		85	114
VX0919WBL01	VX0919WBL01	1,2-Dichloroethane-d4	50	57.8	116		81	118
		Dibromofluoromethane	50	52.5	105		80	119
		Toluene-d8	50	52.3	105		89	112
		4-Bromofluorobenzene	50	56.3	113		85	114
VX0919WBS01	VX0919WBS01	1,2-Dichloroethane-d4	50	53.2	106		81	118
		Dibromofluoromethane	50	54.2	108		80	119
		Toluene-d8	50	55.4	111		89	112
		4-Bromofluorobenzene	50	55.0	110		85	114

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

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3095 **Analytical Method:** SW8260-Low

Client: AECOM Technical Services, In **Datafile :** VX047627.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Lab Sample ID : Q3095-06MS		**Client Sample ID : MW203D2-20250909MS**									
Dichlorodifluoromethane	50	0	44.7	ug/L	89				32	152	
Chloromethane	50	0	48.5	ug/L	97				50	139	
Vinyl chloride	50	0	49.5	ug/L	99				58	137	
Bromomethane	50	0	51.0	ug/L	102				53	141	
Chloroethane	50	0	50.4	ug/L	101				60	138	
Trichlorofluoromethane	50	0	47.9	ug/L	96				65	141	
1,1,2-Trichlorotrifluoroethane	50	0	48.2	ug/L	96				70	136	
1,1-Dichloroethene	50	1.20	51.2	ug/L	100				71	131	
Acetone	250	0	240	ug/L	96				39	160	
Carbon disulfide	50	0	46.5	ug/L	93				64	133	
Methyl tert-butyl Ether	50	0	55.4	ug/L	111				71	124	
Methyl Acetate	50	0	63.6	ug/L	127				56	136	
Methylene Chloride	50	0	52.6	ug/L	105				74	124	
trans-1,2-Dichloroethene	50	0	51.7	ug/L	103				75	124	
1,1-Dichloroethane	50	5.80	59.3	ug/L	107				77	125	
Cyclohexane	50	0	46.8	ug/L	94				71	130	
2-Butanone	250	0	290	ug/L	116				56	143	
Carbon Tetrachloride	50	0	46.9	ug/L	94				72	136	
cis-1,2-Dichloroethene	50	2.00	55.6	ug/L	107				78	123	
Bromochloromethane	50	0	55.1	ug/L	110				78	123	
Chloroform	50	0.46	54.4	ug/L	108				79	124	
1,1,1-Trichloroethane	50	0	52.0	ug/L	104				74	131	
Methylcyclohexane	50	0	44.6	ug/L	89				72	132	
Benzene	50	0	50.3	ug/L	101				79	120	
1,2-Dichloroethane	50	0	51.4	ug/L	103				73	128	
Trichloroethene	50	1.90	51.9	ug/L	100				79	123	
1,2-Dichloropropane	50	0	51.9	ug/L	104				78	122	
Bromodichloromethane	50	0	51.7	ug/L	103				79	125	
4-Methyl-2-Pentanone	250	0	300	ug/L	120				67	130	
Toluene	50	0	50.4	ug/L	101				80	121	
t-1,3-Dichloropropene	50	0	50.4	ug/L	101				73	127	
cis-1,3-Dichloropropene	50	0	50.1	ug/L	100				75	124	
1,1,2-Trichloroethane	50	0	53.2	ug/L	106				80	119	
2-Hexanone	250	0	290	ug/L	116				57	139	
Dibromochloromethane	50	0	53.2	ug/L	106				74	126	
1,2-Dibromoethane	50	0	54.5	ug/L	109				77	121	
Tetrachloroethene	50	0.78	47.5	ug/L	93				74	129	
Chlorobenzene	50	0	50.8	ug/L	102				82	118	
Ethyl Benzene	50	0	50.4	ug/L	101				79	121	
m/p-Xylenes	100	0	100	ug/L	100				80	121	
o-Xylene	50	0	51.7	ug/L	103				78	122	
Styrene	50	0	51.7	ug/L	103				78	123	
Bromoform	50	0	54.4	ug/L	109				66	130	
Isopropylbenzene	50	0	50.1	ug/L	100				72	131	
1,1,2,2-Tetrachloroethane	50	0	56.3	ug/L	113				71	121	

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

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3095 **Analytical Method:** SW8260-Low

Client: AECOM Technical Services, In **Datafile :** VX047627.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
1,3-Dichlorobenzene	50	0	50.7	ug/L	101				80	119	
1,4-Dichlorobenzene	50	0	49.6	ug/L	99				79	118	
1,2-Dichlorobenzene	50	0	51.2	ug/L	102				80	119	
1,2-Dibromo-3-Chloropropane	50	0	56.7	ug/L	113				62	128	
1,2,4-Trichlorobenzene	50	0	50.1	ug/L	100				69	130	
1,2,3-Trichlorobenzene	50	0	50.8	ug/L	102				69	129	

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

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3095 **Analytical Method:** SW8260-Low

Client: AECOM Technical Services, In **Datafile :** VX047628.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Lab Sample ID : Q3095-07MSD		**Client Sample ID : MW203D2-20250909MSD**									
Dichlorodifluoromethane	50	0	41.1	ug/L	82		8		32	152	20
Chloromethane	50	0	44.0	ug/L	88		10		50	139	20
Vinyl chloride	50	0	45.9	ug/L	92		8		58	137	20
Bromomethane	50	0	48.6	ug/L	97		5		53	141	20
Chloroethane	50	0	45.7	ug/L	91		10		60	138	20
Trichlorofluoromethane	50	0	44.6	ug/L	89		7		65	141	20
1,1,2-Trichlorotrifluoroethane	50	0	44.7	ug/L	89		8		70	136	20
1,1-Dichloroethene	50	1.20	47.6	ug/L	93		7		71	131	20
Acetone	250	0	220	ug/L	88		9		39	160	20
Carbon disulfide	50	0	43.1	ug/L	86		8		64	133	20
Methyl tert-butyl Ether	50	0	52.3	ug/L	105		6		71	124	20
Methyl Acetate	50	0	59.0	ug/L	118		8		56	136	20
Methylene Chloride	50	0	48.5	ug/L	97		8		74	124	20
trans-1,2-Dichloroethene	50	0	48.4	ug/L	97		7		75	124	20
1,1-Dichloroethane	50	5.80	55.6	ug/L	100		7		77	125	20
Cyclohexane	50	0	44.2	ug/L	88		6		71	130	20
2-Butanone	250	0	270	ug/L	108		7		56	143	20
Carbon Tetrachloride	50	0	44.0	ug/L	88		6		72	136	20
cis-1,2-Dichloroethene	50	2.00	53.0	ug/L	102		5		78	123	20
Bromochloromethane	50	0	56.1	ug/L	112		2		78	123	20
Chloroform	50	0.46	51.5	ug/L	102		6		79	124	20
1,1,1-Trichloroethane	50	0	49.9	ug/L	100		4		74	131	20
Methylcyclohexane	50	0	42.4	ug/L	85		5		72	132	20
Benzene	50	0	47.9	ug/L	96		5		79	120	20
1,2-Dichloroethane	50	0	48.4	ug/L	97		6		73	128	20
Trichloroethene	50	1.90	49.4	ug/L	95		5		79	123	20
1,2-Dichloropropane	50	0	49.2	ug/L	98		5		78	122	20
Bromodichloromethane	50	0	48.7	ug/L	97		6		79	125	20
4-Methyl-2-Pentanone	250	0	280	ug/L	112		7		67	130	20
Toluene	50	0	47.9	ug/L	96		5		80	121	20
t-1,3-Dichloropropene	50	0	48.3	ug/L	97		4		73	127	20
cis-1,3-Dichloropropene	50	0	48.0	ug/L	96		4		75	124	20
1,1,2-Trichloroethane	50	0	50.7	ug/L	101		5		80	119	20
2-Hexanone	250	0	280	ug/L	112		4		57	139	20
Dibromochloromethane	50	0	51.1	ug/L	102		4		74	126	20
1,2-Dibromoethane	50	0	51.7	ug/L	103		5		77	121	20
Tetrachloroethene	50	0.78	46.1	ug/L	91		2		74	129	20
Chlorobenzene	50	0	48.5	ug/L	97		5		82	118	20
Ethyl Benzene	50	0	47.9	ug/L	96		5		79	121	20
m/p-Xylenes	100	0	95.9	ug/L	96		4		80	121	20
o-Xylene	50	0	48.4	ug/L	97		7		78	122	20
Styrene	50	0	49.4	ug/L	99		5		78	123	20
Bromoform	50	0	51.8	ug/L	104		5		66	130	20
Isopropylbenzene	50	0	48.2	ug/L	96		4		72	131	20
1,1,2,2-Tetrachloroethane	50	0	53.8	ug/L	108		5		71	121	20

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

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3095 **Analytical Method:** SW8260-Low

Client: AECOM Technical Services, I **Datafile :** VX047628.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
1,3-Dichlorobenzene	50	0	48.8	ug/L	98		4		80	119	20
1,4-Dichlorobenzene	50	0	47.6	ug/L	95		4		79	118	20
1,2-Dichlorobenzene	50	0	50.0	ug/L	100		2		80	119	20
1,2-Dibromo-3-Chloropropane	50	0	54.8	ug/L	110		3		62	128	20
1,2,4-Trichlorobenzene	50	0	48.0	ug/L	96		4		69	130	20
1,2,3-Trichlorobenzene	50	0	49.6	ug/L	99		2		69	129	20

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	**Q3095**	**Analytical Method:**	**SW8260-Low**
Client:	**AECOM Technical Services, Inc.**	**Datafile :**	VX047604.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX0917WBS01	Dichlorodifluoromethane	20	15.9	ug/L	79			32	152	
	Chloromethane	20	16.0	ug/L	80			50	139	
	Vinyl chloride	20	16.9	ug/L	85			58	137	
	Bromomethane	20	18.1	ug/L	91			53	141	
	Chloroethane	20	17.2	ug/L	86			60	138	
	Trichlorofluoromethane	20	17.1	ug/L	86			65	141	
	1,1,2-Trichlorotrifluoroethane	20	17.6	ug/L	88			70	136	
	1,1-Dichloroethene	20	17.1	ug/L	86			71	131	
	Acetone	100	73.8	ug/L	74			39	160	
	Carbon disulfide	20	16.0	ug/L	80			64	133	
	Methyl tert-butyl Ether	20	17.5	ug/L	88			71	124	
	Methyl Acetate	20	19.2	ug/L	96			56	136	
	Methylene Chloride	20	16.9	ug/L	85			74	124	
	trans-1,2-Dichloroethene	20	17.0	ug/L	85			75	124	
	1,1-Dichloroethane	20	17.6	ug/L	88			77	125	
	Cyclohexane	20	17.4	ug/L	87			71	130	
	2-Butanone	100	84.0	ug/L	84			56	143	
	Carbon Tetrachloride	20	17.0	ug/L	85			72	136	
	cis-1,2-Dichloroethene	20	17.6	ug/L	88			78	123	
	Bromochloromethane	20	21.6	ug/L	108			78	123	
	Chloroform	20	18.0	ug/L	90			79	124	
	1,1,1-Trichloroethane	20	17.9	ug/L	90			74	131	
	Methylcyclohexane	20	17.2	ug/L	86			72	132	
	Benzene	20	17.3	ug/L	86			79	120	
	1,2-Dichloroethane	20	17.5	ug/L	88			73	128	
	Trichloroethene	20	17.3	ug/L	86			79	123	
	1,2-Dichloropropane	20	17.5	ug/L	88			78	122	
	Bromodichloromethane	20	17.5	ug/L	88			79	125	
	4-Methyl-2-Pentanone	100	88.0	ug/L	88			67	130	
	Toluene	20	17.5	ug/L	88			80	121	
	t-1,3-Dichloropropene	20	17.3	ug/L	86			73	127	
	cis-1,3-Dichloropropene	20	17.7	ug/L	89			75	124	
	1,1,2-Trichloroethane	20	17.4	ug/L	87			80	119	
	2-Hexanone	100	85.8	ug/L	86			57	139	
	Dibromochloromethane	20	17.4	ug/L	87			74	126	
	1,2-Dibromoethane	20	17.7	ug/L	89			77	121	
	Tetrachloroethene	20	17.1	ug/L	86			74	129	
	Chlorobenzene	20	17.5	ug/L	88			82	118	
	Ethyl Benzene	20	17.7	ug/L	89			79	121	
	m/p-Xylenes	40	35.8	ug/L	90			80	121	
	o-Xylene	20	18.0	ug/L	90			78	122	
	Styrene	20	17.9	ug/L	90			78	123	
	Bromoform	20	17.6	ug/L	88			66	130	
	Isopropylbenzene	20	17.7	ug/L	89			72	131	
	1,1,2,2-Tetrachloroethane	20	17.5	ug/L	88			71	121	
	1,3-Dichlorobenzene	20	17.7	ug/L	89			80	119	
	1,4-Dichlorobenzene	20	17.4	ug/L	87			79	118	
	1,2-Dichlorobenzene	20	17.7	ug/L	89			80	119	

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	**Q3095**	**Analytical Method:**	**SW8260-Low**
Client:	**AECOM Technical Services, Inc.**	**Datafile :**	VX047604.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX0917WBS01	1,2-Dibromo-3-Chloropropane	20	16.1	ug/L	81			62	128	
	1,2,4-Trichlorobenzene	20	17.4	ug/L	87			69	130	
	1,2,3-Trichlorobenzene	20	17.5	ug/L	88			69	129	

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3095 **Analytical Method:** SW8260-Low

Client: AECOM Technical Services, Inc. **Datafile :** VX047634.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX0918WBS01	Dichlorodifluoromethane	20	25.4	ug/L	127			32	152	
	Chloromethane	20	23.0	ug/L	115			50	139	
	Vinyl chloride	20	23.3	ug/L	117			58	137	
	Bromomethane	20	23.3	ug/L	117			53	141	
	Chloroethane	20	22.2	ug/L	111			60	138	
	Trichlorofluoromethane	20	21.5	ug/L	108			65	141	
	1,1,2-Trichlorotrifluoroethane	20	21.2	ug/L	106			70	136	
	1,1-Dichloroethene	20	21.3	ug/L	106			71	131	
	Acetone	100	97.3	ug/L	97			39	160	
	Carbon disulfide	20	23.0	ug/L	115			64	133	
	Methyl tert-butyl Ether	20	21.1	ug/L	106			71	124	
	Methyl Acetate	20	21.6	ug/L	108			56	136	
	Methylene Chloride	20	20.9	ug/L	104			74	124	
	trans-1,2-Dichloroethene	20	21.1	ug/L	106			75	124	
	1,1-Dichloroethane	20	21.1	ug/L	106			77	125	
	Cyclohexane	20	22.0	ug/L	110			71	130	
	2-Butanone	100	110	ug/L	110			56	143	
	Carbon Tetrachloride	20	20.2	ug/L	101			72	136	
	cis-1,2-Dichloroethene	20	21.5	ug/L	108			78	123	
	Bromochloromethane	20	26.6	ug/L	133		*	78	123	
	Chloroform	20	21.4	ug/L	107			79	124	
	1,1,1-Trichloroethane	20	21.0	ug/L	105			74	131	
	Methylcyclohexane	20	21.5	ug/L	108			72	132	
	Benzene	20	21.5	ug/L	108			79	120	
	1,2-Dichloroethane	20	20.8	ug/L	104			73	128	
	Trichloroethene	20	21.0	ug/L	105			79	123	
	1,2-Dichloropropane	20	21.2	ug/L	106			78	122	
	Bromodichloromethane	20	20.9	ug/L	104			79	125	
	4-Methyl-2-Pentanone	100	120	ug/L	120			67	130	
	Toluene	20	21.3	ug/L	106			80	121	
	t-1,3-Dichloropropene	20	20.9	ug/L	104			73	127	
	cis-1,3-Dichloropropene	20	20.9	ug/L	104			75	124	
	1,1,2-Trichloroethane	20	21.6	ug/L	108			80	119	
	2-Hexanone	100	110	ug/L	110			57	139	
	Dibromochloromethane	20	21.5	ug/L	108			74	126	
	1,2-Dibromoethane	20	22.1	ug/L	111			77	121	
	Tetrachloroethene	20	21.2	ug/L	106			74	129	
	Chlorobenzene	20	21.3	ug/L	106			82	118	
	Ethyl Benzene	20	21.1	ug/L	106			79	121	
	m/p-Xylenes	40	43.0	ug/L	108			80	121	
	o-Xylene	20	21.5	ug/L	108			78	122	
	Styrene	20	21.2	ug/L	106			78	123	
	Bromoform	20	21.3	ug/L	106			66	130	
	Isopropylbenzene	20	20.8	ug/L	104			72	131	
	1,1,2,2-Tetrachloroethane	20	21.6	ug/L	108			71	121	
	1,3-Dichlorobenzene	20	20.5	ug/L	103			80	119	
	1,4-Dichlorobenzene	20	20.5	ug/L	103			79	118	
	1,2-Dichlorobenzene	20	20.9	ug/L	104			80	119	

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	**Q3095**	**Analytical Method:**	**SW8260-Low**
Client:	**AECOM Technical Services, Inc.**	**Datafile :**	VX047634.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX0918WBS01	1,2-Dibromo-3-Chloropropane	20	21.4	ug/L	107			62	128	
	1,2,4-Trichlorobenzene	20	20.0	ug/L	100			69	130	
	1,2,3-Trichlorobenzene	20	20.5	ug/L	103			69	129	

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	**Q3095**	**Analytical Method:**	**SW8260-Low**
Client:	**AECOM Technical Services, Inc.**	**Datafile :**	VX047663.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX0919WBS01	Dichlorodifluoromethane	20	24.4	ug/L	122			32	152	
	Chloromethane	20	21.9	ug/L	110			50	139	
	Vinyl chloride	20	21.8	ug/L	109			58	137	
	Bromomethane	20	23.0	ug/L	115			53	141	
	Chloroethane	20	20.5	ug/L	103			60	138	
	Trichlorofluoromethane	20	20.6	ug/L	103			65	141	
	1,1,2-Trichlorotrifluoroethane	20	21.1	ug/L	106			70	136	
	1,1-Dichloroethene	20	20.6	ug/L	103			71	131	
	Acetone	100	87.3	ug/L	87			39	160	
	Carbon disulfide	20	21.6	ug/L	108			64	133	
	Methyl tert-butyl Ether	20	19.6	ug/L	98			71	124	
	Methyl Acetate	20	19.4	ug/L	97			56	136	
	Methylene Chloride	20	19.5	ug/L	98			74	124	
	trans-1,2-Dichloroethene	20	20.8	ug/L	104			75	124	
	1,1-Dichloroethane	20	20.0	ug/L	100			77	125	
	Cyclohexane	20	20.4	ug/L	102			71	130	
	2-Butanone	100	98.8	ug/L	99			56	143	
	Carbon Tetrachloride	20	19.8	ug/L	99			72	136	
	cis-1,2-Dichloroethene	20	20.0	ug/L	100			78	123	
	Bromochloromethane	20	20.9	ug/L	104			78	123	
	Chloroform	20	20.0	ug/L	100			79	124	
	1,1,1-Trichloroethane	20	19.9	ug/L	100			74	131	
	Methylcyclohexane	20	20.5	ug/L	103			72	132	
	Benzene	20	20.1	ug/L	101			79	120	
	1,2-Dichloroethane	20	19.3	ug/L	97			73	128	
	Trichloroethene	20	20.0	ug/L	100			79	123	
	1,2-Dichloropropane	20	19.9	ug/L	100			78	122	
	Bromodichloromethane	20	19.7	ug/L	99			79	125	
	4-Methyl-2-Pentanone	100	110	ug/L	110			67	130	
	Toluene	20	20.3	ug/L	102			80	121	
	t-1,3-Dichloropropene	20	19.3	ug/L	97			73	127	
	cis-1,3-Dichloropropene	20	19.6	ug/L	98			75	124	
	1,1,2-Trichloroethane	20	20.0	ug/L	100			80	119	
	2-Hexanone	100	100	ug/L	100			57	139	
	Dibromochloromethane	20	20.0	ug/L	100			74	126	
	1,2-Dibromoethane	20	20.5	ug/L	103			77	121	
	Tetrachloroethene	20	20.4	ug/L	102			74	129	
	Chlorobenzene	20	19.9	ug/L	100			82	118	
	Ethyl Benzene	20	20.4	ug/L	102			79	121	
	m/p-Xylenes	40	41.2	ug/L	103			80	121	
	o-Xylene	20	20.1	ug/L	101			78	122	
	Styrene	20	20.2	ug/L	101			78	123	
	Bromoform	20	19.9	ug/L	100			66	130	
	Isopropylbenzene	20	19.7	ug/L	99			72	131	
	1,1,2,2-Tetrachloroethane	20	19.9	ug/L	100			71	121	
	1,3-Dichlorobenzene	20	19.7	ug/L	99			80	119	
	1,4-Dichlorobenzene	20	19.5	ug/L	98			79	118	
	1,2-Dichlorobenzene	20	19.6	ug/L	98			80	119	

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	**Q3095**	**Analytical Method:**	**SW8260-Low**
Client:	**AECOM Technical Services, Inc.**	**Datafile :**	VX047663.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX0919WBS01	1,2-Dibromo-3-Chloropropane	20	19.2	ug/L	96			62	128	
	1,2,4-Trichlorobenzene	20	18.8	ug/L	94			69	130	
	1,2,3-Trichlorobenzene	20	19.4	ug/L	97			69	129	

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

VOLATILE METHOD BLANK SUMMARY

Client ID: VX0917WBL01

Lab Name: Alliance Contract: AECO15

Lab Code: ACE SDG NO.: Q3095

Lab File ID: VX047603.D Lab Sample ID: VX0917WBL01

Date Analyzed: 09/17/2025 Time Analyzed: 09:41

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
VX0917WBS01	VX0917WBS01	VX047604.D	09/17/2025
MW305I-20250908	Q3095-01	VX047607.D	09/17/2025
MW179D-20250908	Q3095-02	VX047608.D	09/17/2025
MW201D-20250908	Q3095-03	VX047609.D	09/17/2025
MW179D1-20250908	Q3095-04	VX047610.D	09/17/2025
MW203D1-20250909	Q3095-08	VX047611.D	09/17/2025
MW179D2-20250909	Q3095-09	VX047612.D	09/17/2025
MW201D1-20250909	Q3095-10	VX047613.D	09/17/2025
RE122D1-20250909	Q3095-11	VX047614.D	09/17/2025
MW178I1-20250909	Q3095-13	VX047616.D	09/17/2025
MW305D-20250909	Q3095-16	VX047619.D	09/17/2025
DUP01-20250909	Q3095-17	VX047620.D	09/17/2025
RE126D2-20250909	Q3095-18	VX047621.D	09/17/2025
RE126D1-20250910	Q3095-21	VX047624.D	09/17/2025
MW202D1-20250910	Q3095-22	VX047625.D	09/17/2025
MW203D2-20250909	Q3095-05	VX047626.D	09/17/2025
MW203D2-20250909MS	Q3095-06MS	VX047627.D	09/17/2025
MW203D2-20250909MSD	Q3095-07MSD	VX047628.D	09/17/2025

COMMENTS:

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

VOLATILE METHOD BLANK SUMMARY

Client ID: VX0918WBL01

Lab Name: Alliance | Contract: AECO15

Lab Code: ACE | SDG NO.: Q3095

Lab File ID: VX047633.D | Lab Sample ID: VX0918WBL01

Date Analyzed: 09/18/2025 | Time Analyzed: 12:19

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
VX0918WBS01	VX0918WBS01	VX047634.D	09/18/2025
RE122D1-20250909DL	Q3095-11DL	VX047636.D	09/18/2025
RE126D2-20250909DL	Q3095-18DL	VX047637.D	09/18/2025
MW178I1-20250909DL	Q3095-13DL	VX047638.D	09/18/2025
MW305D-20250909DL	Q3095-16DL	VX047639.D	09/18/2025
DUP01-20250909DL	Q3095-17DL	VX047640.D	09/18/2025
MW202D-20250909	Q3095-12	VX047641.D	09/18/2025
RE123D1-20250909	Q3095-14	VX047642.D	09/18/2025
RE123D3-20250909	Q3095-15	VX047643.D	09/18/2025
RE126D3-20250909	Q3095-19	VX047644.D	09/18/2025
MW178S-20250910	Q3095-20	VX047645.D	09/18/2025
TB01-20250911	Q3095-33	VX047646.D	09/18/2025
TB02-20250911	Q3095-34	VX047647.D	09/18/2025
RE104D2-20250910	Q3095-23	VX047648.D	09/18/2025
DUP02-20250910	Q3095-25	VX047650.D	09/18/2025
RE104D3-20250910	Q3095-28	VX047653.D	09/18/2025
RE122D2-20250910	Q3095-29	VX047654.D	09/18/2025

COMMENTS:

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

VOLATILE METHOD BLANK SUMMARY

Client ID: VX0919WBL01

Lab Name: Alliance Contract: AECO15

Lab Code: ACE SDG NO.: Q3095

Lab File ID: VX047662.D Lab Sample ID: VX0919WBL01

Date Analyzed: 09/19/2025 Time Analyzed: 10:11

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
VX0919WBS01	VX0919WBS01	VX047663.D	09/19/2025
RE104D2-20250910DL	Q3095-23DL	VX047665.D	09/19/2025
DUP02-20250910DL	Q3095-25DL	VX047666.D	09/19/2025
RE122D2-20250910DL	Q3095-29DL	VX047667.D	09/19/2025
MW178I-20250910	Q3095-24	VX047668.D	09/19/2025
DUP03-20250910	Q3095-26	VX047670.D	09/19/2025
RE117D1-20250910	Q3095-27	VX047671.D	09/19/2025
RE104D1-20250910	Q3095-30	VX047672.D	09/19/2025
TT180D-20250911	Q3095-31	VX047673.D	09/19/2025
RE122D3-20250911	Q3095-32	VX047674.D	09/19/2025

COMMENTS:

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

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance | Contract: AECO15

Lab Code: ACE | SDG NO.: Q3095

Lab File ID: VX047584.D | BFB Injection Date: 09/16/2025

Instrument ID: MSVOA_X | BFB Injection Time: 08:56

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	20
75	30.0 - 60.0% of mass 95	54
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7
173	Less than 2.0% of mass 174	0.7 (1) 1
174	50.0 - 100.0% of mass 95	67.3
175	5.0 - 9.0% of mass 174	5.4 (8.1) 1
176	95.0 - 101.0% of mass 174	66.3 (98.6) 1
177	5.0 - 9.0% of mass 176	4.3 (6.4) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC001	VSTDICC001	VX047585.D	09/16/2025	09:23
VSTDICC005	VSTDICC005	VX047586.D	09/16/2025	10:16
VSTDICC020	VSTDICC020	VX047587.D	09/16/2025	10:37
VSTDICCC050	VSTDICCC050	VX047588.D	09/16/2025	10:58
VSTDICC100	VSTDICC100	VX047589.D	09/16/2025	11:40
VSTDICC150	VSTDICC150	VX047590.D	09/16/2025	12:01

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

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance
Contract: AECO15
Lab Code: ACE
SDG NO.: Q3095
Lab File ID: VX047600.D
BFB Injection Date: 09/17/2025
Instrument ID: MSVOA_X
BFB Injection Time: 08:19
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	19.8
75	30.0 - 60.0% of mass 95	52.7
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	0.6 (0.9) 1
174	50.0 - 100.0% of mass 95	69.2
175	5.0 - 9.0% of mass 174	5.3 (7.7) 1
176	95.0 - 101.0% of mass 174	66.2 (95.7) 1
177	5.0 - 9.0% of mass 176	4.2 (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:

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VX047601.D	09/17/2025	08:51
VX0917WBL01	VX0917WBL01	VX047603.D	09/17/2025	09:41
VX0917WBS01	VX0917WBS01	VX047604.D	09/17/2025	10:09
MW305I-20250908	Q3095-01	VX047607.D	09/17/2025	11:18
MW179D-20250908	Q3095-02	VX047608.D	09/17/2025	11:39
MW201D-20250908	Q3095-03	VX047609.D	09/17/2025	12:00
MW179D1-20250908	Q3095-04	VX047610.D	09/17/2025	12:21
MW203D1-20250909	Q3095-08	VX047611.D	09/17/2025	12:42
MW179D2-20250909	Q3095-09	VX047612.D	09/17/2025	13:03
MW201D1-20250909	Q3095-10	VX047613.D	09/17/2025	13:24
RE122D1-20250909	Q3095-11	VX047614.D	09/17/2025	13:45
MW178I1-20250909	Q3095-13	VX047616.D	09/17/2025	14:27
MW305D-20250909	Q3095-16	VX047619.D	09/17/2025	15:30
DUP01-20250909	Q3095-17	VX047620.D	09/17/2025	15:51
RE126D2-20250909	Q3095-18	VX047621.D	09/17/2025	16:13
RE126D1-20250910	Q3095-21	VX047624.D	09/17/2025	17:16
MW202D1-20250910	Q3095-22	VX047625.D	09/17/2025	17:37
MW203D2-20250909	Q3095-05	VX047626.D	09/17/2025	17:58

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

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance | Contract: AECO15

Lab Code: ACE | SDG NO.: Q3095

Lab File ID: VX047600.D | BFB Injection Date: 09/17/2025

Instrument ID: MSVOA_X | BFB Injection Time: 08:19

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	19.8
75	30.0 - 60.0% of mass 95	52.7
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	0.6 (0.9) 1
174	50.0 - 100.0% of mass 95	69.2
175	5.0 - 9.0% of mass 174	5.3 (7.7) 1
176	95.0 - 101.0% of mass 174	66.2 (95.7) 1
177	5.0 - 9.0% of mass 176	4.2 (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:

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
MW203D2-20250909MS	Q3095-06MS	VX047627.D	09/17/2025	18:19
MW203D2-20250909MSD	Q3095-07MSD	VX047628.D	09/17/2025	18:40
VSTDCCC050EC	VSTDCCC050	VX047629.D	09/17/2025	19:01

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

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance
Contract: AECO15
Lab Code: ACE
SDG NO.: Q3095
Lab File ID: VX047630.D
BFB Injection Date: 09/18/2025
Instrument ID: MSVOA_X
BFB Injection Time: 10:39
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	20.2
75	30.0 - 60.0% of mass 95	53.5
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	0.6 (0.9) 1
174	50.0 - 100.0% of mass 95	67.7
175	5.0 - 9.0% of mass 174	5.1 (7.6) 1
176	95.0 - 101.0% of mass 174	64.7 (95.5) 1
177	5.0 - 9.0% of mass 176	4.5 (7) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VX047631.D	09/18/2025	11:30
VX0918WBL01	VX0918WBL01	VX047633.D	09/18/2025	12:19
VX0918WBS01	VX0918WBS01	VX047634.D	09/18/2025	12:45
RE122D1-20250909DL	Q3095-11DL	VX047636.D	09/18/2025	13:37
RE126D2-20250909DL	Q3095-18DL	VX047637.D	09/18/2025	13:58
MW178I1-20250909DL	Q3095-13DL	VX047638.D	09/18/2025	14:19
MW305D-20250909DL	Q3095-16DL	VX047639.D	09/18/2025	14:40
DUP01-20250909DL	Q3095-17DL	VX047640.D	09/18/2025	15:01
MW202D-20250909	Q3095-12	VX047641.D	09/18/2025	15:22
RE123D1-20250909	Q3095-14	VX047642.D	09/18/2025	15:43
RE123D3-20250909	Q3095-15	VX047643.D	09/18/2025	16:03
RE126D3-20250909	Q3095-19	VX047644.D	09/18/2025	16:24
MW178S-20250910	Q3095-20	VX047645.D	09/18/2025	16:45
TB01-20250911	Q3095-33	VX047646.D	09/18/2025	17:06
TB02-20250911	Q3095-34	VX047647.D	09/18/2025	17:27
RE104D2-20250910	Q3095-23	VX047648.D	09/18/2025	17:48
DUP02-20250910	Q3095-25	VX047650.D	09/18/2025	18:29
RE104D3-20250910	Q3095-28	VX047653.D	09/18/2025	19:32

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

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance
Contract: AECO15
Lab Code: ACE
SDG NO.: Q3095
Lab File ID: VX047630.D
BFB Injection Date: 09/18/2025
Instrument ID: MSVOA_X
BFB Injection Time: 10:39
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	20.2
75	30.0 - 60.0% of mass 95	53.5
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	0.6 (0.9) 1
174	50.0 - 100.0% of mass 95	67.7
175	5.0 - 9.0% of mass 174	5.1 (7.6) 1
176	95.0 - 101.0% of mass 174	64.7 (95.5) 1
177	5.0 - 9.0% of mass 176	4.5 (7) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
RE122D2-20250910	Q3095-29	VX047654.D	09/18/2025	19:53
VSTDCCC050EC	VSTDCCC050	VX047658.D	09/18/2025	21:16

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

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name:	Alliance	Contract:	AECO15
Lab Code:	ACE	SDG NO.:	Q3095
Lab File ID:	VX047659.D	BFB Injection Date:	09/19/2025
Instrument ID:	MSVOA_X	BFB Injection Time:	08:17
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	20.1
75	30.0 - 60.0% of mass 95	51.5
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	0.8 (1.2) 1
174	50.0 - 100.0% of mass 95	69.8
175	5.0 - 9.0% of mass 174	5 (7.2) 1
176	95.0 - 101.0% of mass 174	66.6 (95.4) 1
177	5.0 - 9.0% of mass 176	4.5 (6.8) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VX047660.D	09/19/2025	09:22
VX0919WBL01	VX0919WBL01	VX047662.D	09/19/2025	10:11
VX0919WBS01	VX0919WBS01	VX047663.D	09/19/2025	10:38
RE104D2-20250910DL	Q3095-23DL	VX047665.D	09/19/2025	11:26
DUP02-20250910DL	Q3095-25DL	VX047666.D	09/19/2025	11:47
RE122D2-20250910DL	Q3095-29DL	VX047667.D	09/19/2025	12:08
MW178I-20250910	Q3095-24	VX047668.D	09/19/2025	12:29
DUP03-20250910	Q3095-26	VX047670.D	09/19/2025	13:11
RE117D1-20250910	Q3095-27	VX047671.D	09/19/2025	13:32
RE104D1-20250910	Q3095-30	VX047672.D	09/19/2025	13:52
TT180D-20250911	Q3095-31	VX047673.D	09/19/2025	14:13
RE122D3-20250911	Q3095-32	VX047674.D	09/19/2025	14:34
VSTDCCC050EC	VSTDCCC050	VX047687.D	09/19/2025	19:03

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: AECO15

Lab Code: ACE SDG NO.: Q3095

Lab File ID: VX047601.D Date Analyzed: 09/17/2025

Instrument ID: MSVOA_X Time Analyzed: 08:51

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	203321	5.53	347822	6.74	296232	10.04
UPPER LIMIT	406642	6.032	695644	7.239	592464	10.537
LOWER LIMIT	101661	5.032	173911	6.239	148116	9.537
EPA SAMPLE NO.						
MW305I-20250908	179671	5.54	340919	6.75	319888	10.04
MW179D-20250908	173084	5.54	325021	6.74	290676	10.04
MW201D-20250908	164440	5.54	329692	6.75	318034	10.04
MW179D1-20250908	175550	5.54	325614	6.75	296492	10.04
MW203D2-20250909	171023	5.54	322993	6.75	293629	10.04
MW203D2-20250909MS	159553	5.54	295061	6.75	261981	10.04
MW203D2-20250909MSD	155487	5.54	290897	6.75	259033	10.04
MW203D1-20250909	173264	5.54	324366	6.75	294888	10.04
MW179D2-20250909	178402	5.54	326098	6.75	294706	10.04
MW201D1-20250909	179159	5.54	326791	6.75	297810	10.04
RE122D1-20250909	181930	5.54	336757	6.75	299325	10.04
MW178I1-20250909	179708	5.54	333636	6.75	295278	10.04
MW305D-20250909	153315	5.54	290828	6.75	250024	10.04
DUP01-20250909	176523	5.54	328808	6.75	285767	10.04
RE126D2-20250909	169880	5.54	316576	6.75	282558	10.04
RE126D1-20250910	178815	5.54	331711	6.75	303773	10.04
MW202D1-20250910	179253	5.54	332184	6.75	296569	10.04
VX0917WBL01	235094	5.54	478397	6.75	460978	10.04
VX0917WBS01	195658	5.54	351376	6.74	311445	10.04

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: AECO15

Lab Code: ACE SDG NO.: Q3095

Lab File ID: VX047601.D Date Analyzed: 09/17/2025

Instrument ID: MSVOA_X Time Analyzed: 08:51

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	203321	5.53	347822	6.74	296232	10.04
UPPER LIMIT	406642	6.032	695644	7.239	592464	10.537
LOWER LIMIT	101661	5.032	173911	6.239	148116	9.537
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.

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: AECO15

Lab Code: ACE SDG NO.: Q3095

Lab File ID: VX047601.D Date Analyzed: 09/17/2025

Instrument ID: MSVOA_X Time Analyzed: 08:51

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

	IS4 AREA #	RT #				
12 HOUR STD	138326	12.006				
UPPER LIMIT	276652	12.506				
LOWER LIMIT	69163	11.506				
EPA SAMPLE NO.						
MW305I-20250908	165030	12.01				
MW179D-20250908	142056	12.01				
MW201D-20250908	152611	12.01				
MW179D1-20250908	143935	12.01				
MW203D2-20250909	141573	12.01				
MW203D2-20250909MS	124680	12.01				
MW203D2-20250909MSD	122820	12.01				
MW203D1-20250909	144060	12.01				
MW179D2-20250909	144921	12.01				
MW201D1-20250909	144973	12.01				
RE122D1-20250909	143619	12.01				
MW178I1-20250909	144330	12.01				
MW305D-20250909	122022	12.01				
DUP01-20250909	137877	12.01				
RE126D2-20250909	137540	12.01				
RE126D1-20250910	145228	12.01				
MW202D1-20250910	143137	12.01				
VX0917WBL01	224854	12.01				
VX0917WBS01	151595	12.01				

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: AECO15

Lab Code: ACE SDG NO.: Q3095

Lab File ID: VX047601.D Date Analyzed: 09/17/2025

Instrument ID: MSVOA_X Time Analyzed: 08:51

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

	IS4 AREA #	RT #				
12 HOUR STD	138326	12.006				
UPPER LIMIT	276652	12.506				
LOWER LIMIT	69163	11.506				
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.

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: AECO15

Lab Code: ACE SDG NO.: Q3095

Lab File ID: VX047631.D Date Analyzed: 09/18/2025

Instrument ID: MSVOA_X Time Analyzed: 11:30

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	179219	5.54	321960	6.75	285408	10.04
UPPER LIMIT	358438	6.037	643920	7.245	570816	10.537
LOWER LIMIT	89609.5	5.037	160980	6.245	142704	9.537
EPA SAMPLE NO.						
RE122D1-20250909DL	174332	5.54	317792	6.75	290497	10.04
MW202D-20250909	185198	5.54	333961	6.75	301489	10.04
MW178I1-20250909DL	192027	5.54	349705	6.75	314014	10.04
RE123D1-20250909	186708	5.54	347039	6.75	315013	10.04
RE123D3-20250909	186629	5.54	342621	6.75	313823	10.04
MW305D-20250909DL	191597	5.54	355157	6.75	319660	10.04
DUP01-20250909DL	179953	5.54	331339	6.75	301020	10.04
RE126D2-20250909DL	188808	5.54	340601	6.75	307144	10.04
RE126D3-20250909	172316	5.54	319145	6.75	294532	10.04
MW178S-20250910	186001	5.54	348431	6.75	318544	10.04
RE104D2-20250910	184099	5.54	336121	6.75	303444	10.04
DUP02-20250910	167095	5.54	311560	6.75	253664	10.04
RE104D3-20250910	175250	5.54	326969	6.75	296847	10.04
RE122D2-20250910	163338	5.54	303548	6.75	246226	10.04
TB01-20250911	176470	5.54	323882	6.75	293861	10.04
TB02-20250911	172433	5.54	318063	6.75	288916	10.04
VX0918WBL01	194980	5.54	356255	6.75	333457	10.04
VX0918WBS01	184765	5.54	329366	6.75	292123	10.04

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: AECO15

Lab Code: ACE SDG NO.: Q3095

Lab File ID: VX047631.D Date Analyzed: 09/18/2025

Instrument ID: MSVOA_X Time Analyzed: 11:30

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	179219	5.54	321960	6.75	285408	10.04
UPPER LIMIT	358438	6.037	643920	7.245	570816	10.537
LOWER LIMIT	89609.5	5.037	160980	6.245	142704	9.537
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.

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: AECO15

Lab Code: ACE SDG NO.: Q3095

Lab File ID: VX047631.D Date Analyzed: 09/18/2025

Instrument ID: MSVOA_X Time Analyzed: 11:30

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

	IS4 AREA #	RT #				
12 HOUR STD	137093	12.006				
UPPER LIMIT	274186	12.506				
LOWER LIMIT	68546.5	11.506				
EPA SAMPLE NO.						
RE122D1-20250909DL	143980	12.01				
MW202D-20250909	144225	12.01				
MW178I1-20250909DL	151081	12.01				
RE123D1-20250909	151637	12.01				
RE123D3-20250909	153255	12.01				
MW305D-20250909DL	157275	12.01				
DUP01-20250909DL	145612	12.01				
RE126D2-20250909DL	150558	12.01				
RE126D3-20250909	143114	12.01				
MW178S-20250910	154032	12.01				
RE104D2-20250910	145628	12.01				
DUP02-20250910	122561	12.01				
RE104D3-20250910	144761	12.01				
RE122D2-20250910	122418	12.01				
TB01-20250911	142150	12.01				
TB02-20250911	139535	12.01				
VX0918WBL01	168174	12.01				
VX0918WBS01	143266	12.01				

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: AECO15

Lab Code: ACE SDG NO.: Q3095

Lab File ID: VX047631.D Date Analyzed: 09/18/2025

Instrument ID: MSVOA_X Time Analyzed: 11:30

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

	IS4 AREA #	RT #				
12 HOUR STD	137093	12.006				
UPPER LIMIT	274186	12.506				
LOWER LIMIT	68546.5	11.506				
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.**

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: AECO15

Lab Code: ACE SDG NO.: Q3095

Lab File ID: VX047660.D Date Analyzed: 09/19/2025

Instrument ID: MSVOA_X Time Analyzed: 09:22

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	168285	5.53	306730	6.74	272268	10.04
UPPER LIMIT	336570	6.032	613460	7.239	544536	10.537
LOWER LIMIT	84142.5	5.032	153365	6.239	136134	9.537
EPA SAMPLE NO.						
RE104D2-20250910DL	178407	5.54	318864	6.75	293829	10.04
MW178I-20250910	181150	5.54	339462	6.75	307986	10.04
DUP02-20250910DL	189981	5.54	344496	6.75	309572	10.04
DUP03-20250910	173509	5.54	318100	6.75	291215	10.04
RE117D1-20250910	166057	5.54	309930	6.75	283052	10.04
RE122D2-20250910DL	168714	5.54	312288	6.75	284536	10.04
RE104D1-20250910	172904	5.54	321637	6.75	291592	10.04
TT180D-20250911	171154	5.54	314018	6.75	285129	10.04
RE122D3-20250911	188618	5.54	342292	6.75	316267	10.04
VX0919WBL01	194256	5.54	363806	6.75	339161	10.04
VX0919WBS01	190485	5.53	337411	6.75	298577	10.04

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.

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: AECO15

Lab Code: ACE SDG NO.: Q3095

Lab File ID: VX047660.D Date Analyzed: 09/19/2025

Instrument ID: MSVOA_X Time Analyzed: 09:22

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

	IS4 AREA #	RT #				
12 HOUR STD	129778	12.006				
UPPER LIMIT	259556	12.506				
LOWER LIMIT	64889	11.506				
EPA SAMPLE NO.						
RE104D2-20250910DL	142184	12.01				
MW178I-20250910	151965	12.01				
DUP02-20250910DL	151017	12.01				
DUP03-20250910	140190	12.01				
RE117D1-20250910	136445	12.01				
RE122D2-20250910DL	137256	12.01				
RE104D1-20250910	140121	12.01				
TT180D-20250911	139806	12.01				
RE122D3-20250911	150121	12.01				
VX0919WBL01	175228	12.01				
VX0919WBS01	146041	12.01				

IS4 = 1,4-Dichlorobenzene-d4

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

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

SAMPLE DATA

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	09/08/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/12/25
Client Sample ID:	MW305I-20250908	SDG No.:	Q3095
Lab Sample ID:	Q3095-01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047607.D	1	09/17/25 11:18	VX091725

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	0.67	J	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.42	J	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	68.9		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:	09/08/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/12/25
Client Sample ID:	MW305I-20250908	SDG No.:	Q3095
Lab Sample ID:	Q3095-01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047607.D	1	09/17/25 11:18	VX091725

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	0.78	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	57.8		81 - 118		116%	SPK: 50
1868-53-7	Dibromofluoromethane	51.3		80 - 119		103%	SPK: 50
2037-26-5	Toluene-d8	51.3		89 - 112		103%	SPK: 50
460-00-4	4-Bromofluorobenzene	55.5		85 - 114		111%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	180000	5.538				
540-36-3	1,4-Difluorobenzene	341000	6.745				
3114-55-4	Chlorobenzene-d5	320000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	165000	12.006				

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:	09/08/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/12/25
Client Sample ID:	MW305I-20250908	SDG No.:	Q3095
Lab Sample ID:	Q3095-01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047607.D	1	09/17/25 11:18	VX091725

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\VX091725\
Data File : VX047607.D
Acq On : 17 Sep 2025 11:18
Operator : JC/MD
Sample : Q3095-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW305I-20250908

Quant Time: Sep 18 02:01:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

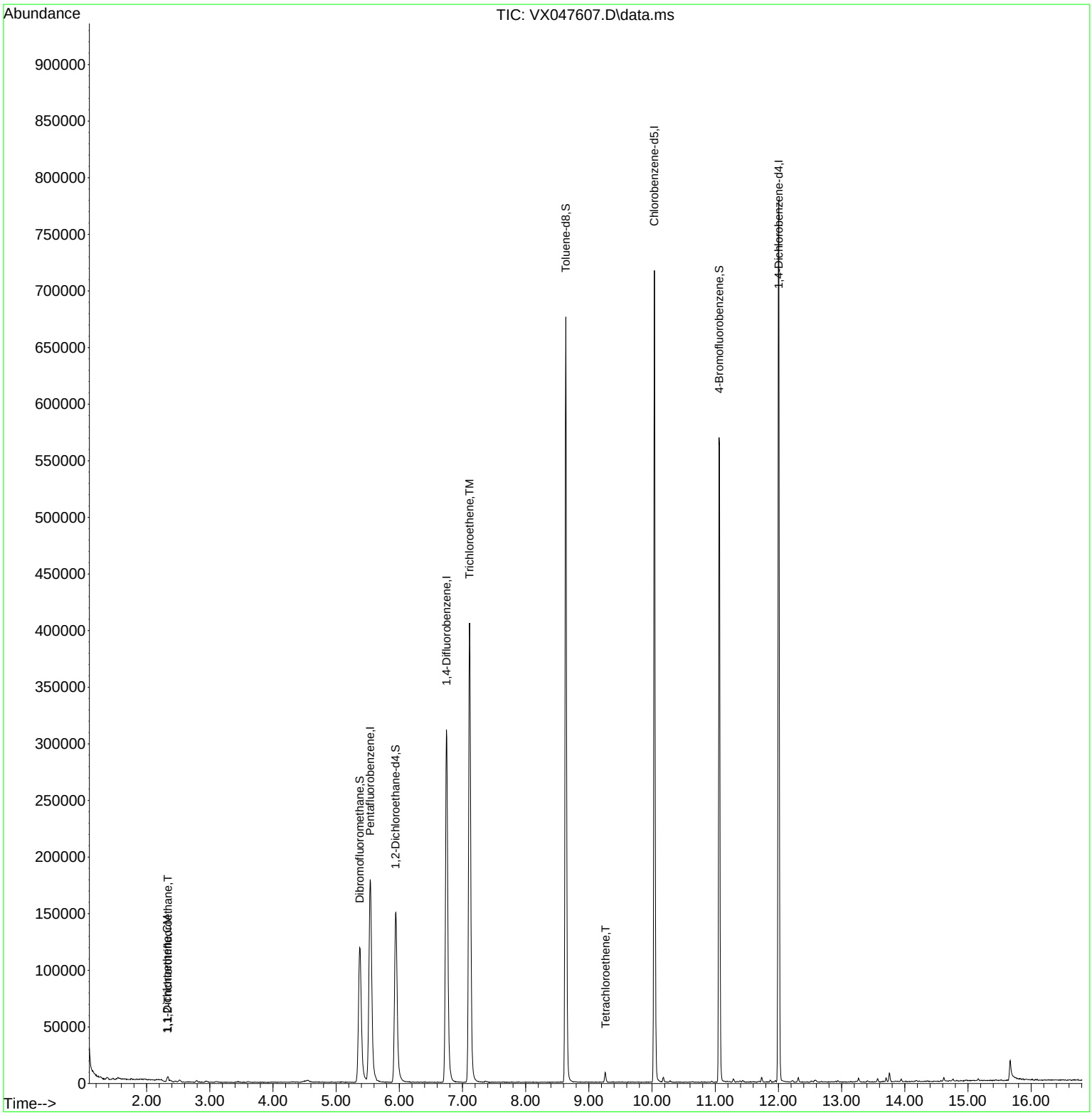
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.538	168	179671	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	340919	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	319888	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	165030	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	165402	57.835	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 115.660%			
35) Dibromofluoromethane	5.373	113	117297	51.302	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.600%			
50) Toluene-d8	8.635	98	406139	51.336	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 102.680%			
62) 4-Bromofluorobenzene	11.061	95	166536	55.466	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 110.940%			
Target Compounds						Qvalue
9) 1,1,2-Trichlorotrifluo...	2.337	101	1399	0.673	ug/l	96
12) 1,1-Dichloroethene	2.325	96	893	0.418	ug/l #	85
44) Trichloroethene	7.111	130	168949	68.867	ug/l	99
64) Tetrachloroethene	9.263	164	1622	0.778	ug/l	95

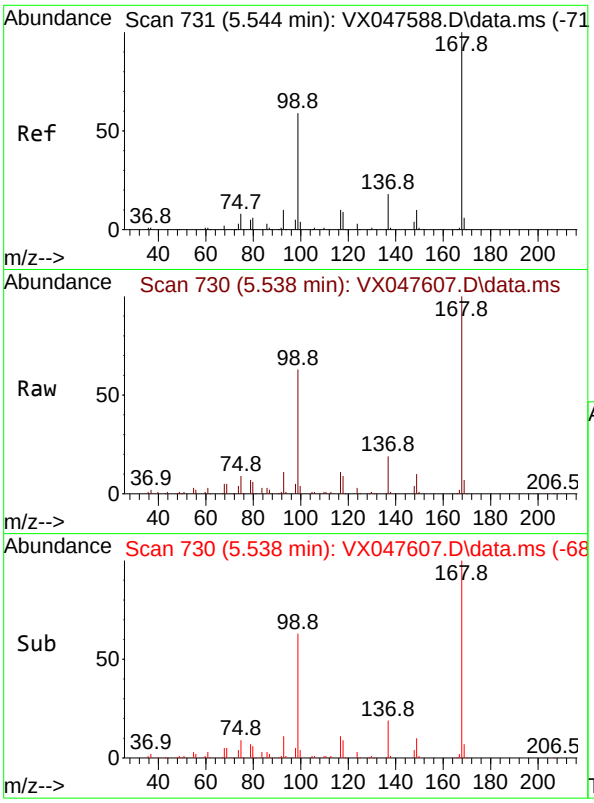
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091725\
Data File : VX047607.D
Acq On : 17 Sep 2025 11:18
Operator : JC/MD
Sample : Q3095-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW305I-20250908

Quant Time: Sep 18 02:01:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



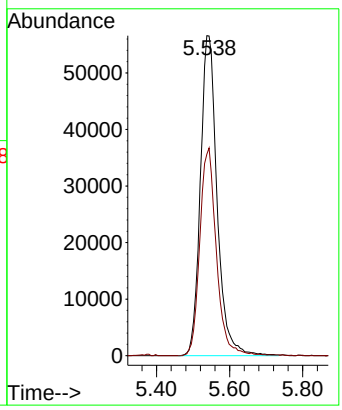


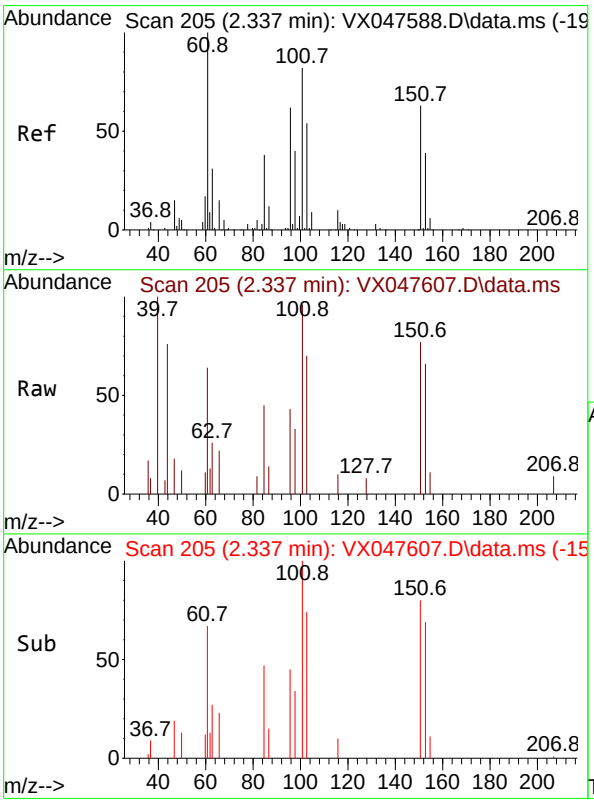
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047607.D
Acq: 17 Sep 2025 11:18

Instrument :
MSVOA_X
ClientSampleId :
MW305I-20250908

Tgt Ion:168 Resp: 179671

Ion	Ratio	Lower	Upper
168	100		
99	62.9	48.8	73.2

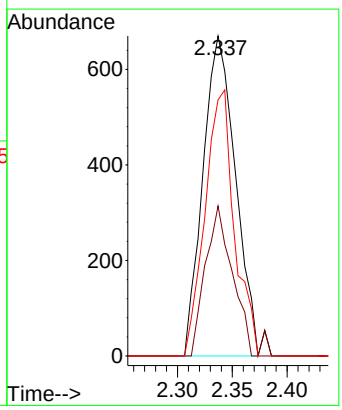


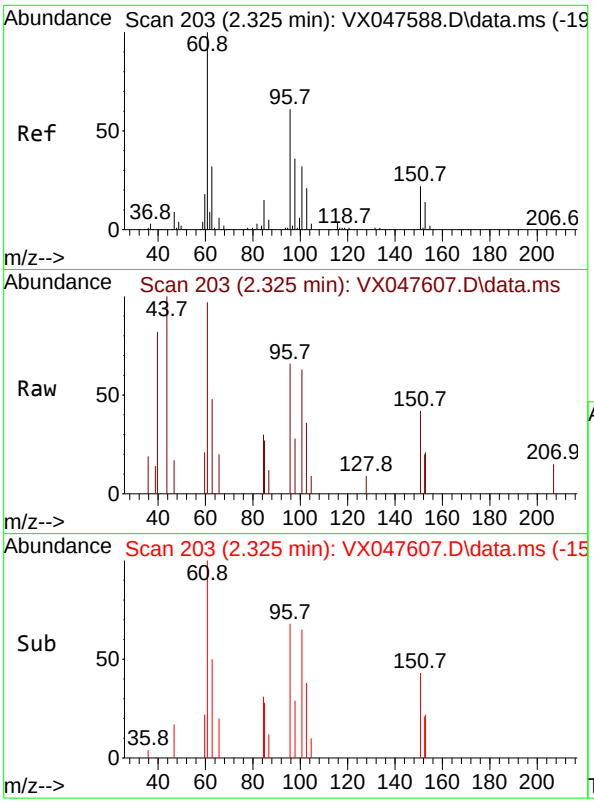


#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.673 ug/l
RT: 2.337 min Scan# 205
Delta R.T. -0.000 min
Lab File: VX047607.D
Acq: 17 Sep 2025 11:18

Tgt Ion:101 Resp: 1399

Ion	Ratio	Lower	Upper
101	100		
85	38.4	35.5	53.3
151	74.1	59.4	89.0



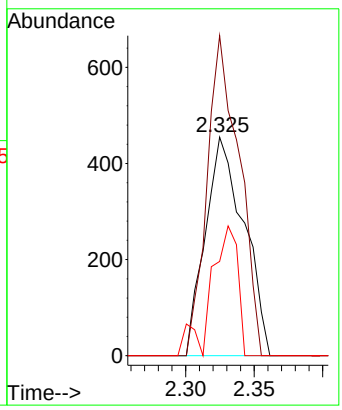


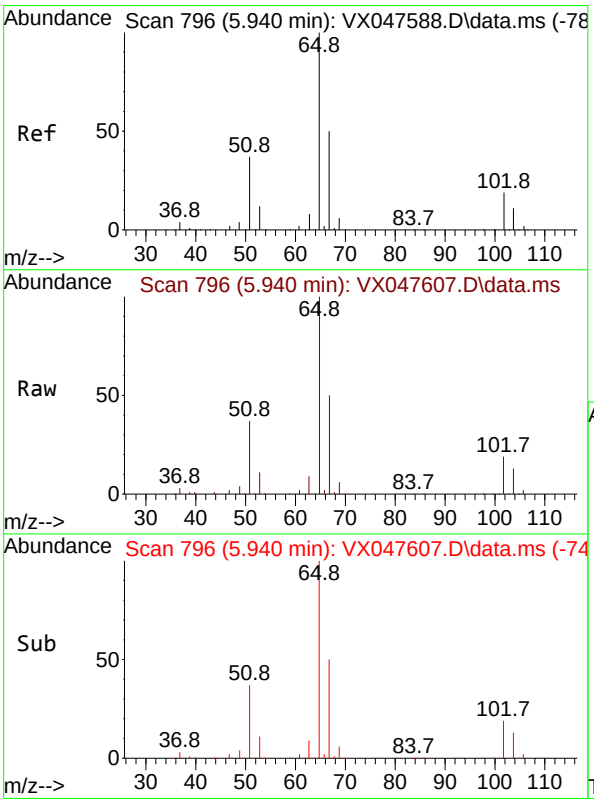
#12
1,1-Dichloroethene
Concen: 0.418 ug/l
RT: 2.325 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047607.D
Acq: 17 Sep 2025 11:18

Instrument :
MSVOA_X
ClientSampleId :
MW305I-20250908

Tgt Ion: 96 Resp: 893

Ion	Ratio	Lower	Upper
96	100		
61	146.4	131.0	196.6
98	43.1	47.7	71.5#

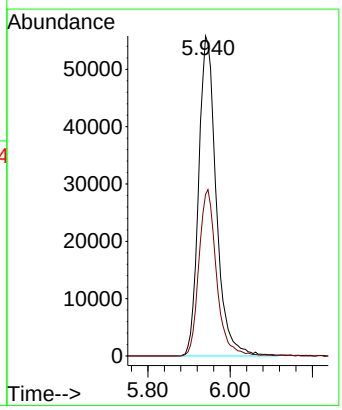


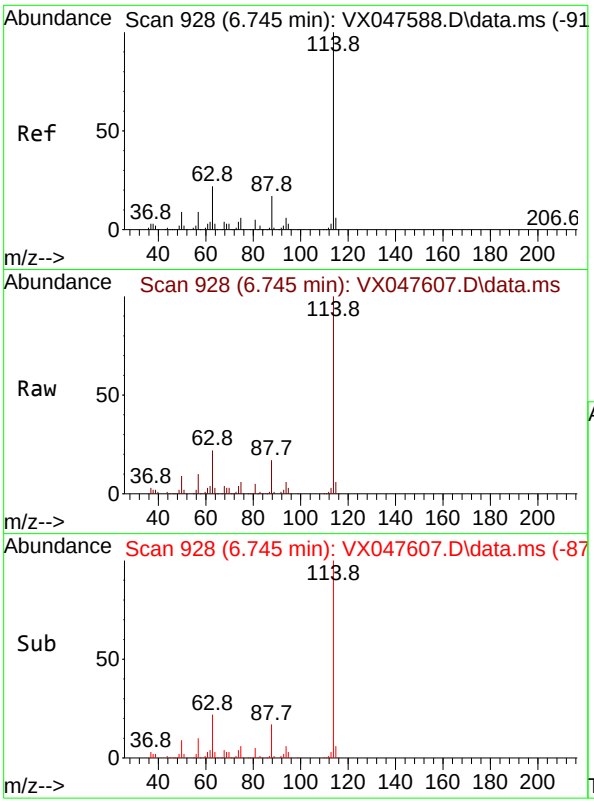


#33
1,2-Dichloroethane-d4
Concen: 57.835 ug/l
RT: 5.940 min Scan# 796
Delta R.T. -0.000 min
Lab File: VX047607.D
Acq: 17 Sep 2025 11:18

Tgt Ion: 65 Resp: 165402

Ion	Ratio	Lower	Upper
65	100		
67	51.9	0.0	103.0



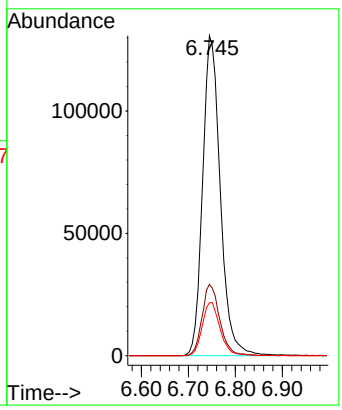


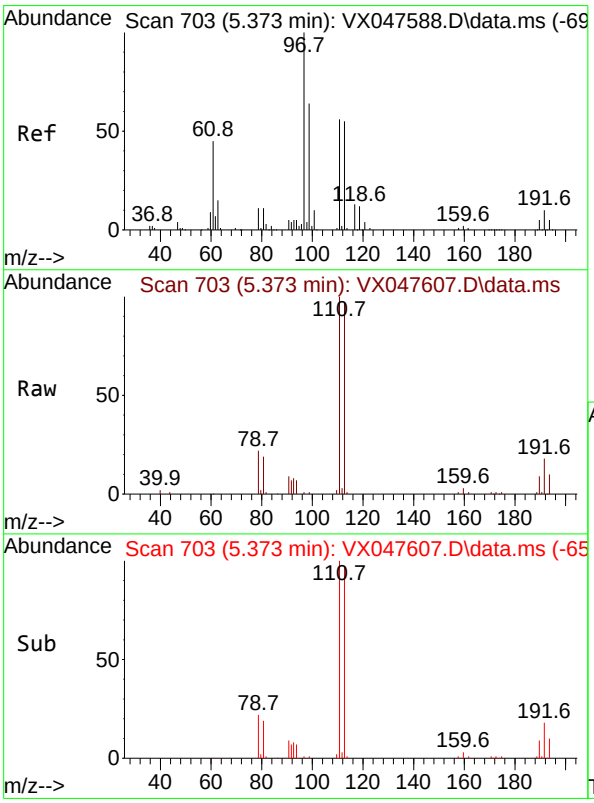
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX047607.D
Acq: 17 Sep 2025 11:18

Instrument :
MSVOA_X
ClientSampleId :
MW305I-20250908

Tgt Ion:114 Resp: 340919

Ion	Ratio	Lower	Upper
114	100		
63	22.3	0.0	44.0
88	16.5	0.0	34.2

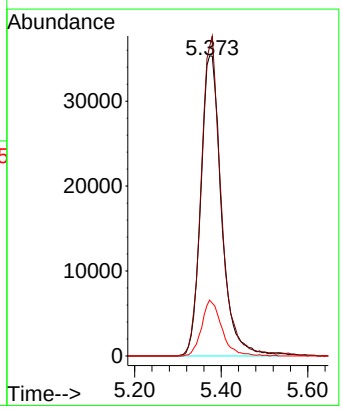


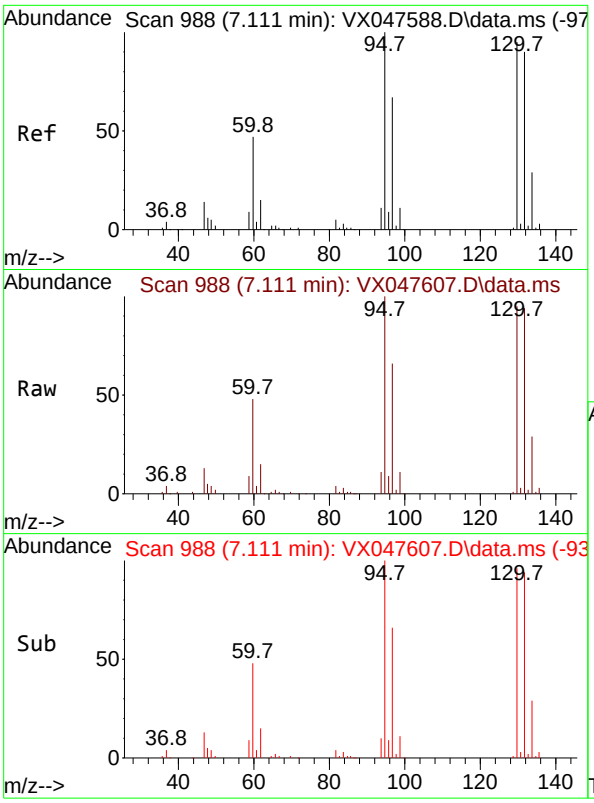


#35
Dibromofluoromethane
Concen: 51.302 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX047607.D
Acq: 17 Sep 2025 11:18

Tgt Ion:113 Resp: 117297

Ion	Ratio	Lower	Upper
113	100		
111	102.3	80.9	121.3
192	18.1	14.2	21.4



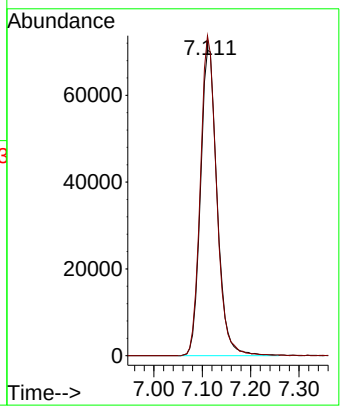


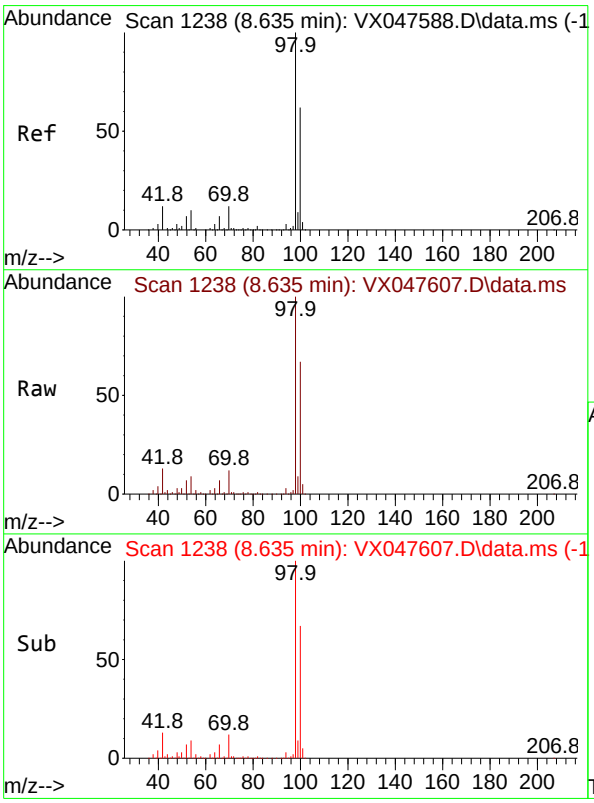
#44
Trichloroethene
Concen: 68.867 ug/l
RT: 7.111 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX047607.D
Acq: 17 Sep 2025 11:18

Instrument :
MSVOA_X
ClientSampleId :
MW305I-20250908

Tgt Ion:130 Resp: 168949

Ion	Ratio	Lower	Upper
130	100		
95	104.8	0.0	210.8

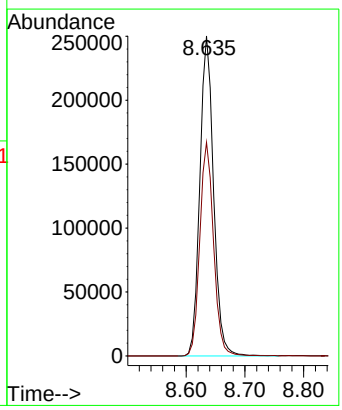


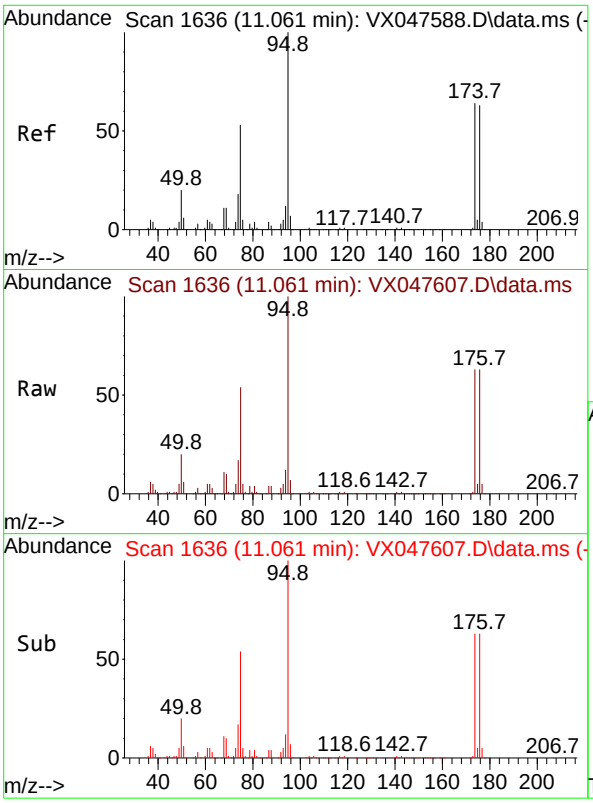


#50
Toluene-d8
Concen: 51.336 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX047607.D
Acq: 17 Sep 2025 11:18

Tgt Ion: 98 Resp: 406139

Ion	Ratio	Lower	Upper
98	100		
100	67.0	53.0	79.4



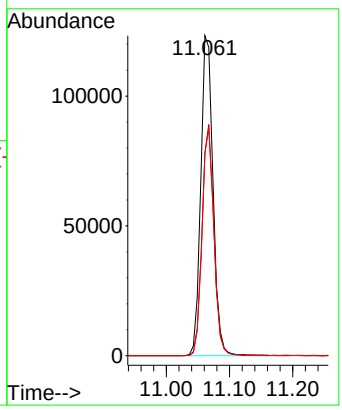


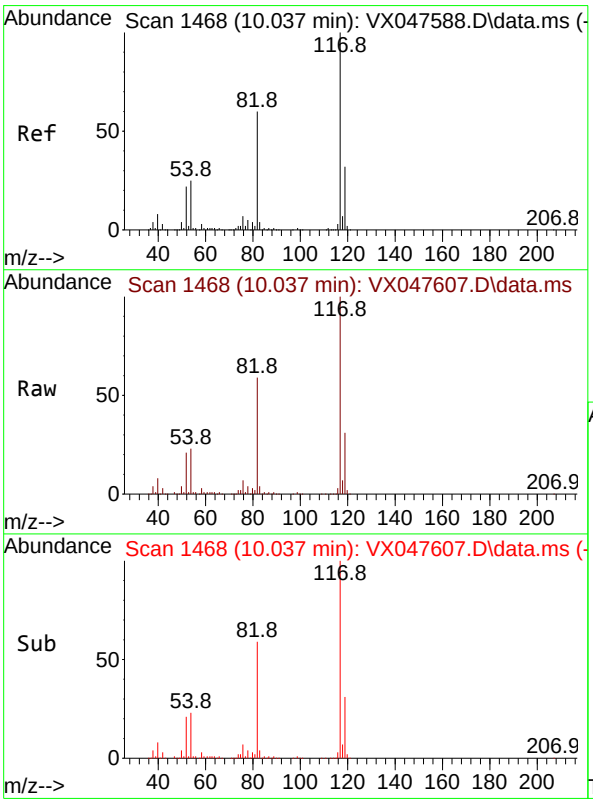
#62
4-Bromofluorobenzene
Concen: 55.466 ug/l
RT: 11.061 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047607.D
Acq: 17 Sep 2025 11:18

Instrument :
MSVOA_X
ClientSampleId :
MW305I-20250908

Tgt Ion: 95 Resp: 166536

Ion	Ratio	Lower	Upper
95	100		
174	70.1	0.0	141.6
176	68.6	0.0	138.4

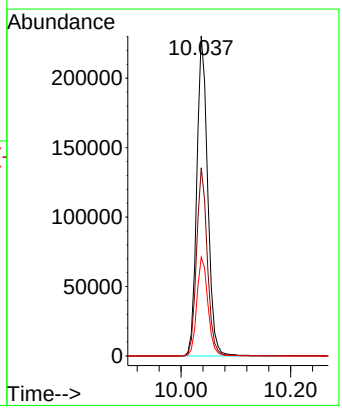


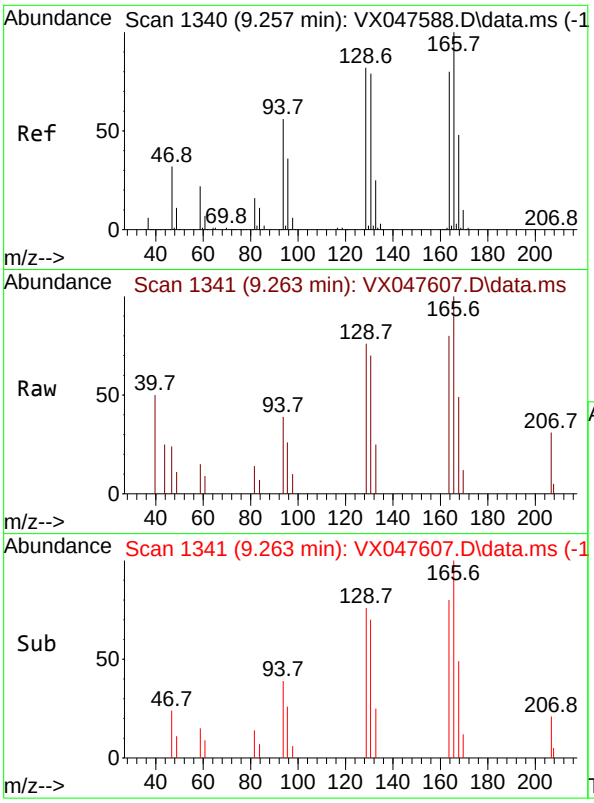


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX047607.D
Acq: 17 Sep 2025 11:18

Tgt Ion:117 Resp: 319888

Ion	Ratio	Lower	Upper
117	100		
82	58.8	47.8	71.6
119	30.9	25.2	37.8



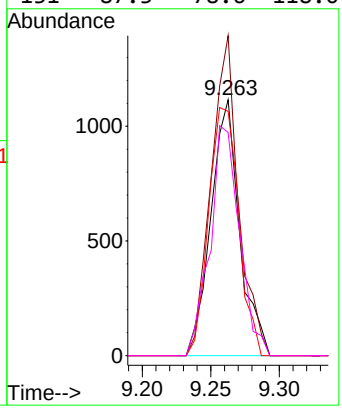


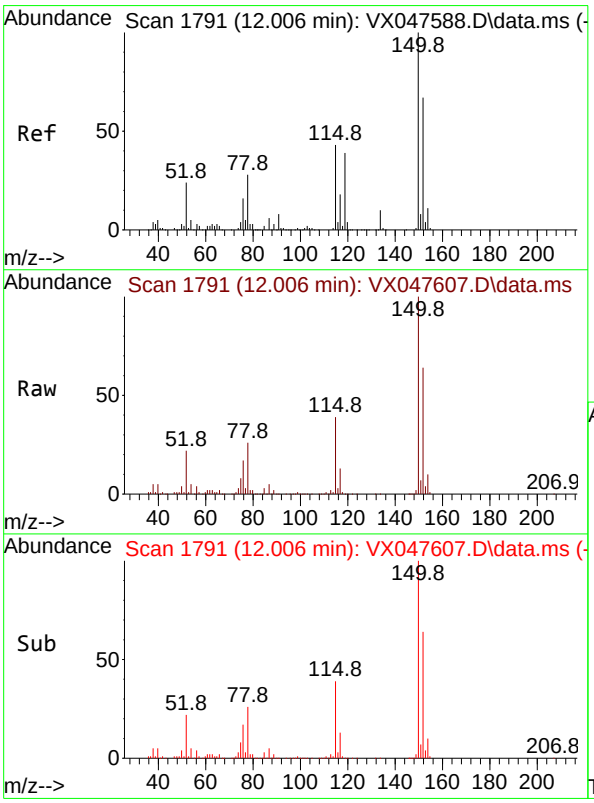
#64
Tetrachloroethene
Concen: 0.778 ug/l
RT: 9.263 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047607.D
Acq: 17 Sep 2025 11:18

Instrument :
MSVOA_X
ClientSampleId :
MW305I-20250908

Tgt Ion:164 Resp: 1622

Ion	Ratio	Lower	Upper
164	100		
166	125.1	100.2	150.2
129	95.5	81.8	122.6
131	87.3	78.6	118.0

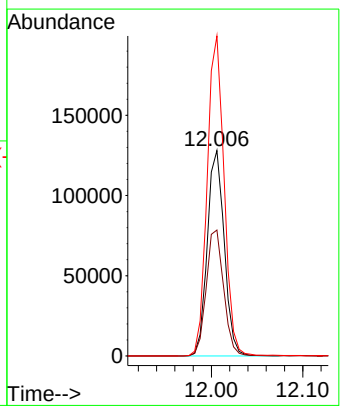




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047607.D
Acq: 17 Sep 2025 11:18

Tgt Ion:152 Resp: 165030

Ion	Ratio	Lower	Upper
152	100		
115	62.9	44.9	134.5
150	155.5	0.0	352.0



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:	09/08/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/12/25
Client Sample ID:	MW179D-20250908	SDG No.:	Q3095
Lab Sample ID:	Q3095-02	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047608.D	1	09/17/25 11:39	VX091725

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	1.70		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	28.3		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	88.0		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:	09/08/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/12/25
Client Sample ID:	MW179D-20250908	SDG No.:	Q3095
Lab Sample ID:	Q3095-02	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047608.D	1	09/17/25 11:39	VX091725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	9.10		0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.12	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.15	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	52.4		81 - 118		105%	SPK: 50
1868-53-7	Dibromofluoromethane	48.4		80 - 119		97%	SPK: 50
2037-26-5	Toluene-d8	49.3		89 - 112		99%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.7		85 - 114		101%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	173000	5.543				
540-36-3	1,4-Difluorobenzene	325000	6.744				
3114-55-4	Chlorobenzene-d5	291000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	142000	12.006				

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:	09/08/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/12/25
Client Sample ID:	MW179D-20250908	SDG No.:	Q3095
Lab Sample ID:	Q3095-02	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047608.D	1	09/17/25 11:39	VX091725

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\VX091725\
Data File : VX047608.D
Acq On : 17 Sep 2025 11:39
Operator : JC/MD
Sample : Q3095-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW179D-20250908

Quant Time: Sep 18 02:01:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

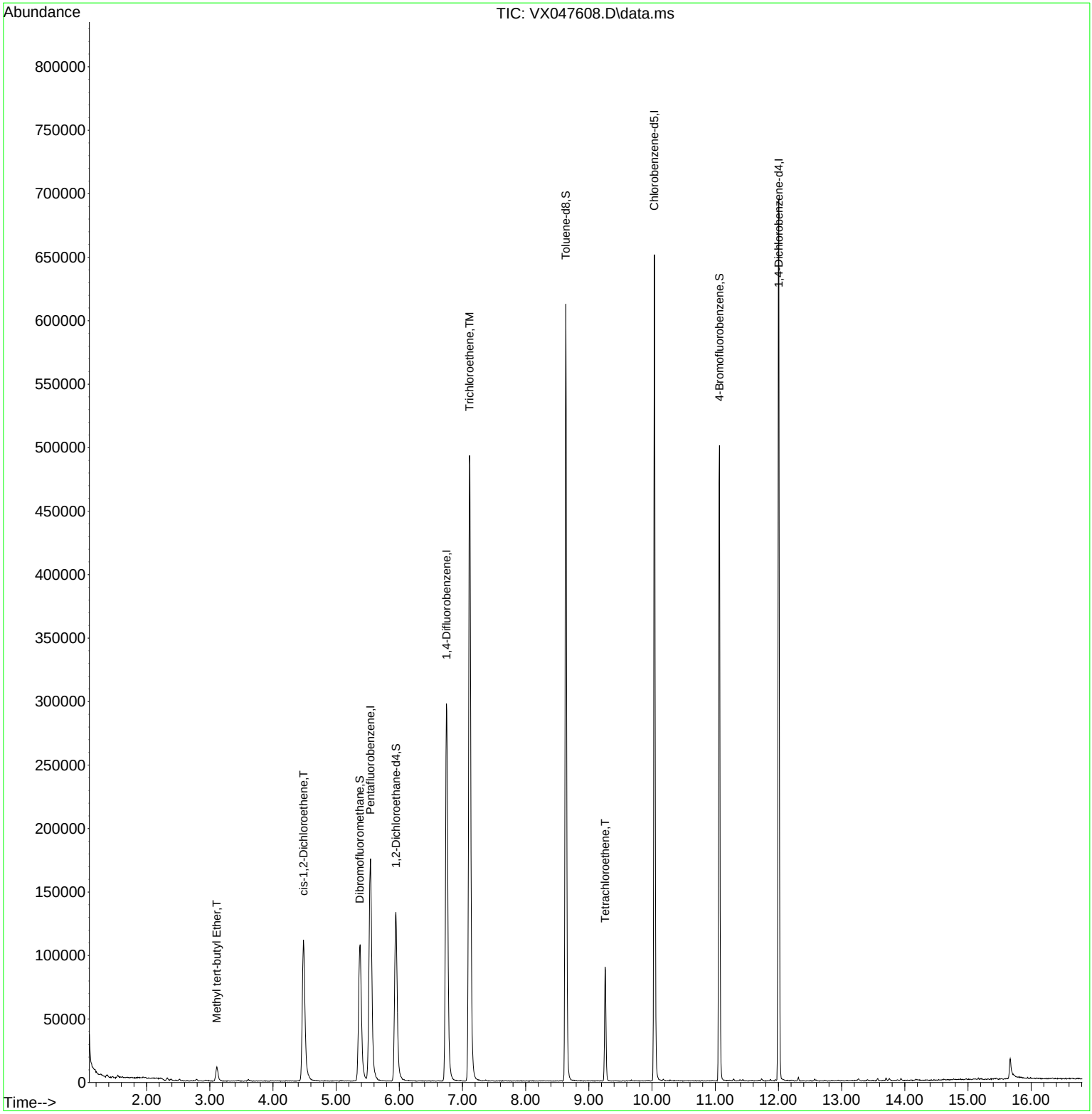
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.543	168	173084	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.744	114	325021	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	290676	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	142056	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	144288	52.372	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 104.740%			
35) Dibromofluoromethane	5.373	113	105606	48.448	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 96.900%			
50) Toluene-d8	8.634	98	371842	49.300	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 98.600%			
62) 4-Bromofluorobenzene	11.067	95	145076	50.682	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 101.360%			
Target Compounds						Qvalue
19) Methyl tert-butyl Ether	3.111	73	12940	1.724	ug/l	95
27) cis-1,2-Dichloroethene	4.483	96	76772	28.315	ug/l	90
44) Trichloroethene	7.110	130	205862	88.018	ug/l	98
64) Tetrachloroethene	9.256	164	17215	9.085	ug/l	98

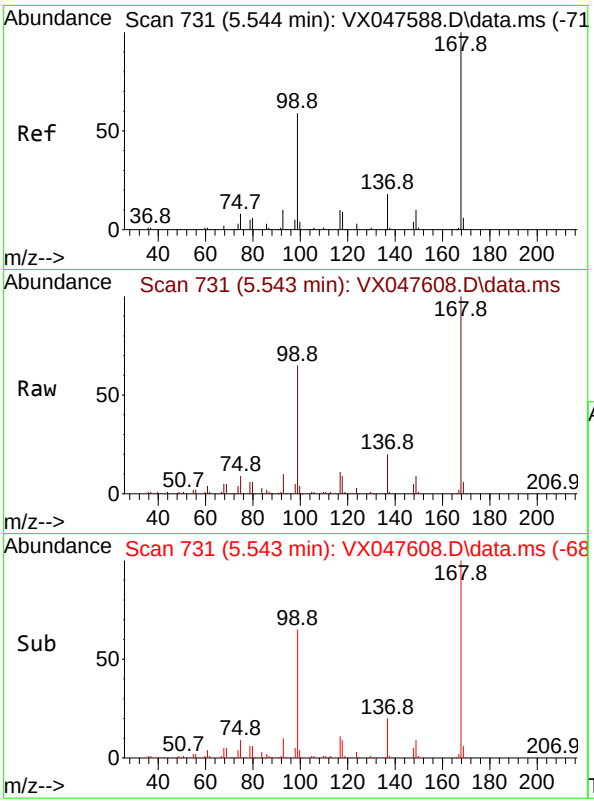
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091725\
Data File : VX047608.D
Acq On : 17 Sep 2025 11:39
Operator : JC/MD
Sample : Q3095-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW179D-20250908

Quant Time: Sep 18 02:01:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



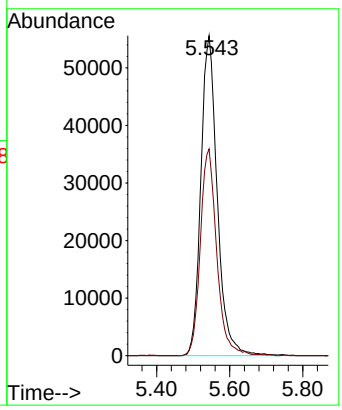


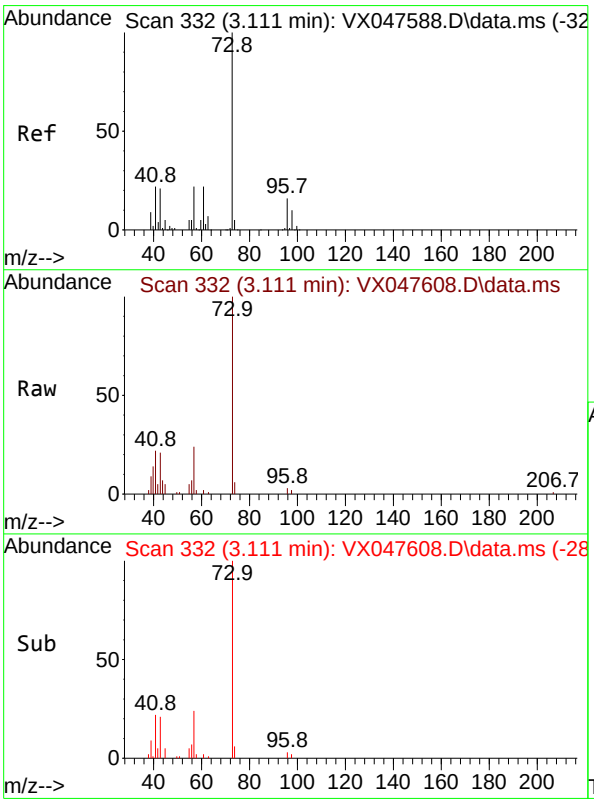
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.543 min Scan# 7
Delta R.T. -0.001 min
Lab File: VX047608.D
Acq: 17 Sep 2025 11:39

Instrument :
MSVOA_X
ClientSampleId :
MW179D-20250908

Tgt Ion:168 Resp: 173084

Ion	Ratio	Lower	Upper
168	100		
99	64.6	48.8	73.2

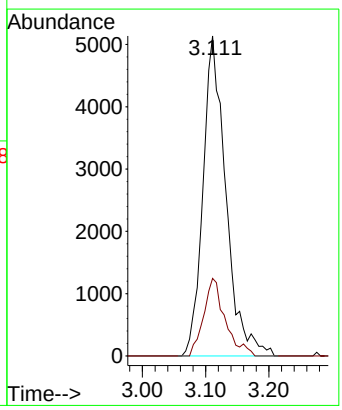


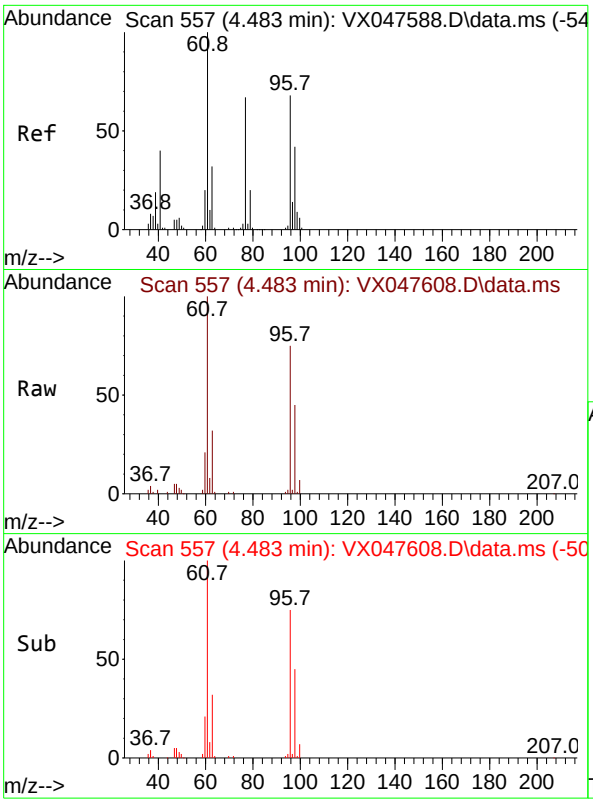


#19
Methyl tert-butyl Ether
Concen: 1.724 ug/l
RT: 3.111 min Scan# 332
Delta R.T. -0.000 min
Lab File: VX047608.D
Acq: 17 Sep 2025 11:39

Tgt Ion: 73 Resp: 12940

Ion	Ratio	Lower	Upper
73	100		
57	24.3	17.4	26.2



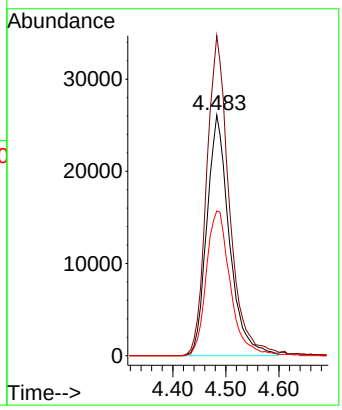


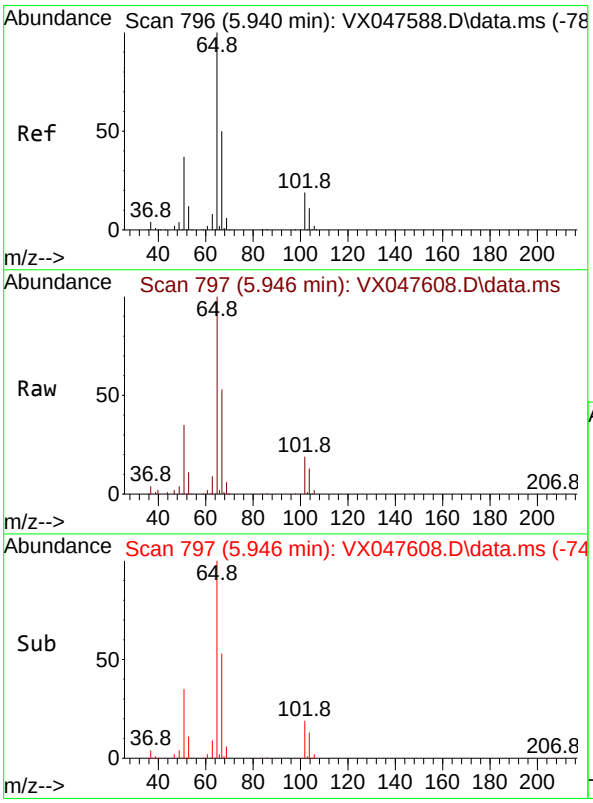
#27
cis-1,2-Dichloroethene
Concen: 28.315 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX047608.D
Acq: 17 Sep 2025 11:39

Instrument :
MSVOA_X
ClientSampleId :
MW179D-20250908

Tgt Ion: 96 Resp: 76772

Ion	Ratio	Lower	Upper
96	100		
61	134.1	0.0	303.2
98	64.5	0.0	127.8

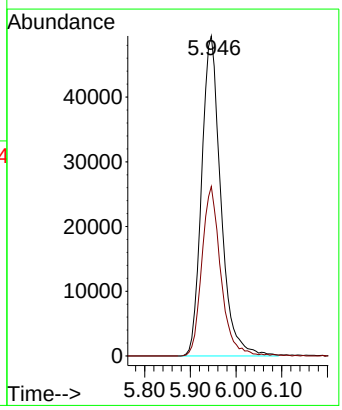


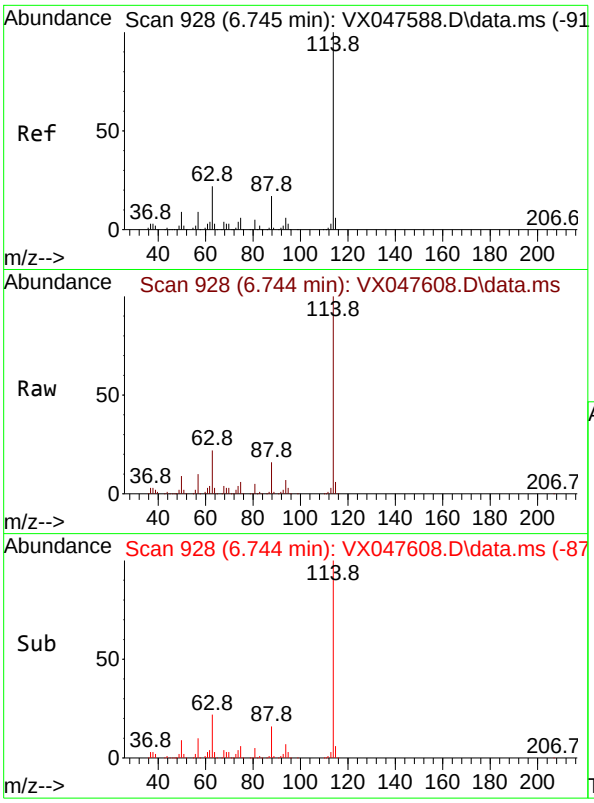


#33
1,2-Dichloroethane-d4
Concen: 52.372 ug/l
RT: 5.946 min Scan# 797
Delta R.T. 0.006 min
Lab File: VX047608.D
Acq: 17 Sep 2025 11:39

Tgt Ion: 65 Resp: 144288

Ion	Ratio	Lower	Upper
65	100		
67	52.4	0.0	103.0



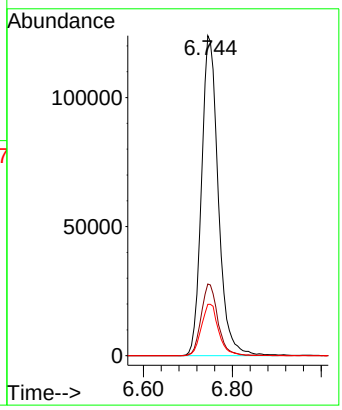


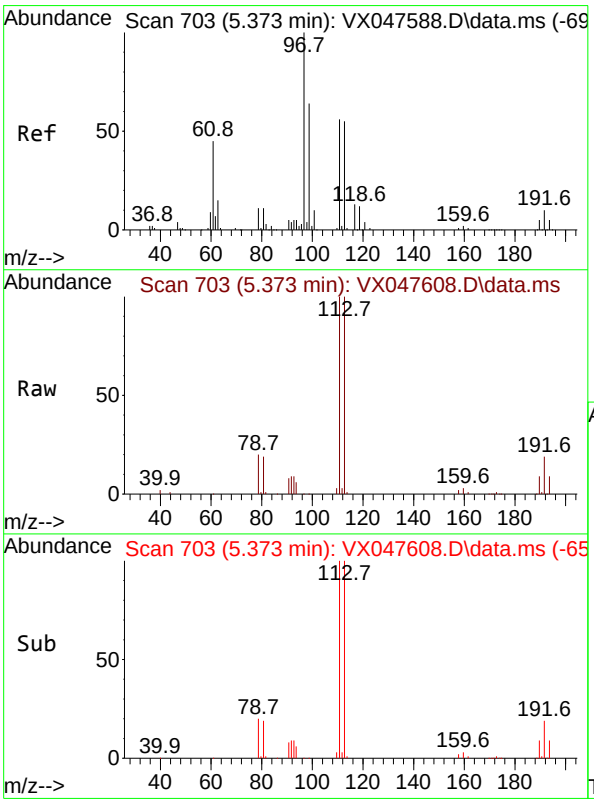
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.744 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX047608.D
Acq: 17 Sep 2025 11:39

Instrument :
MSVOA_X
ClientSampleId :
MW179D-20250908

Tgt Ion:114 Resp: 325021

Ion	Ratio	Lower	Upper
114	100		
63	22.4	0.0	44.0
88	16.0	0.0	34.2

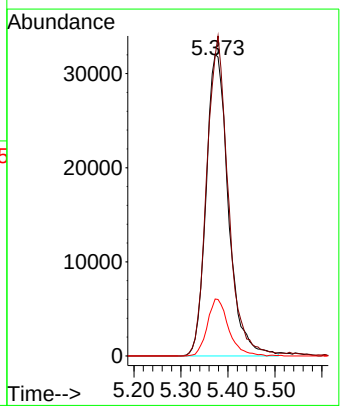


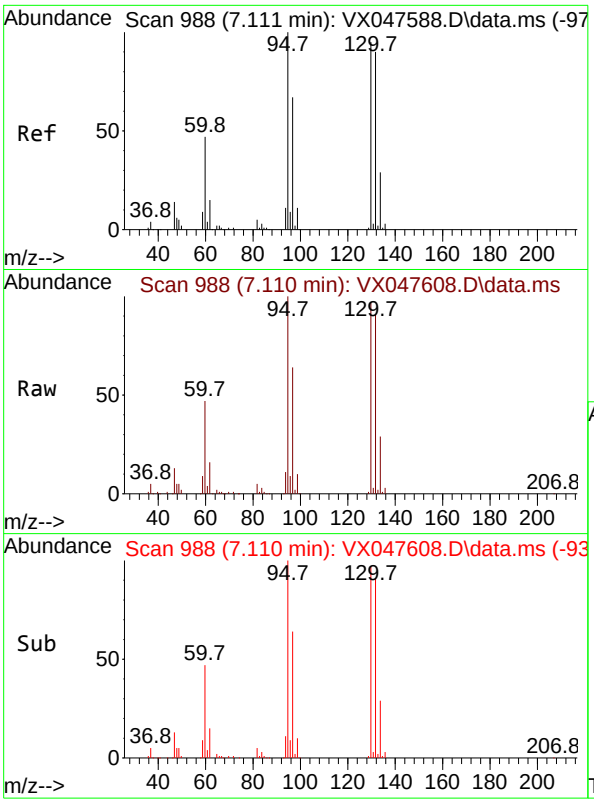


#35
Dibromofluoromethane
Concen: 48.448 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX047608.D
Acq: 17 Sep 2025 11:39

Tgt Ion:113 Resp: 105606

Ion	Ratio	Lower	Upper
113	100		
111	102.6	80.9	121.3
192	18.0	14.2	21.4



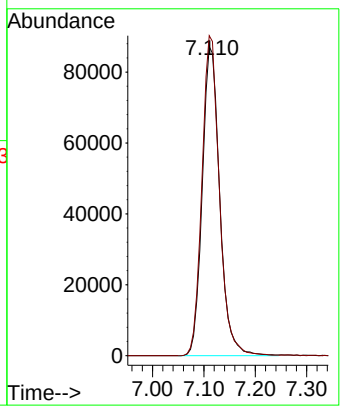


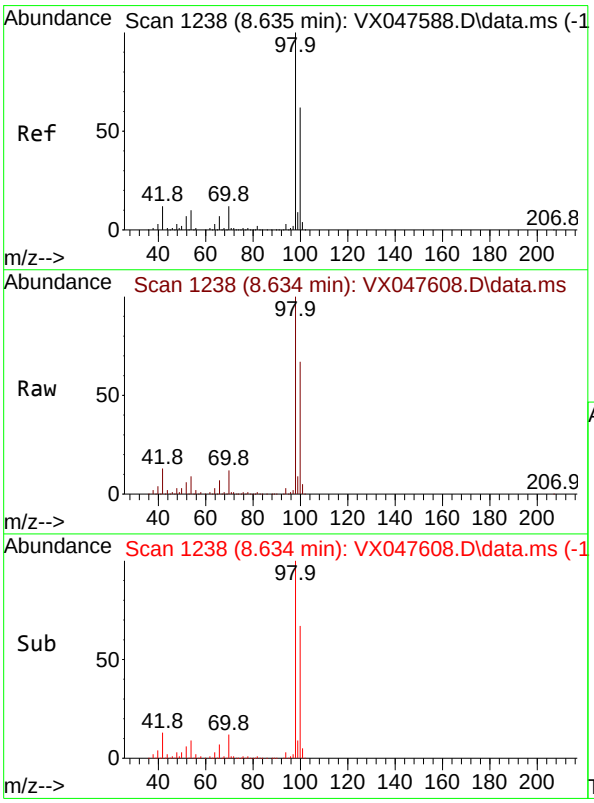
#44
Trichloroethene
Concen: 88.018 ug/l
RT: 7.110 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX047608.D
Acq: 17 Sep 2025 11:39

Instrument :
MSVOA_X
ClientSampleId :
MW179D-20250908

Tgt Ion:130 Resp: 205862

Ion	Ratio	Lower	Upper
130	100		
95	103.5	0.0	210.8

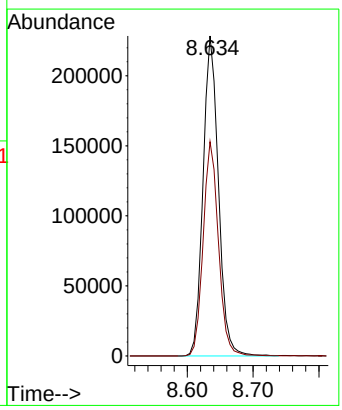


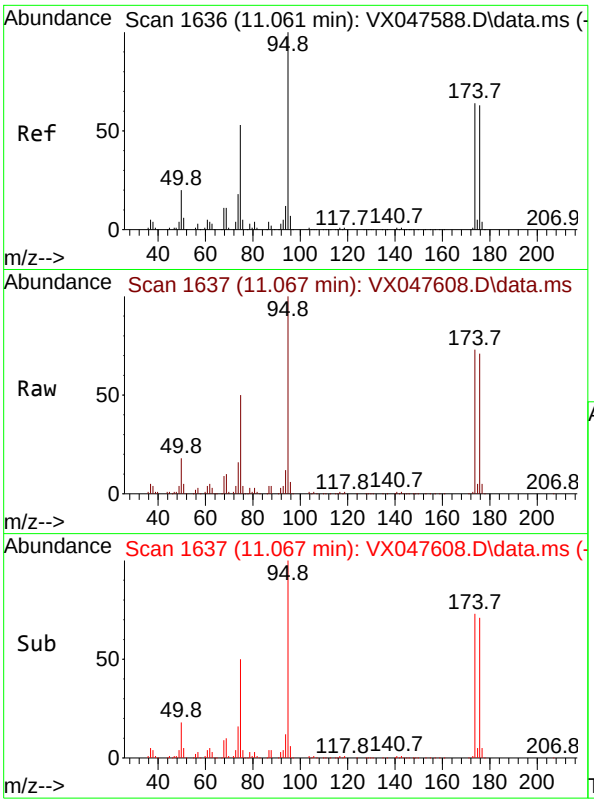


#50
Toluene-d8
Concen: 49.300 ug/l
RT: 8.634 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX047608.D
Acq: 17 Sep 2025 11:39

Tgt Ion: 98 Resp: 371842

Ion	Ratio	Lower	Upper
98	100		
100	66.7	53.0	79.4



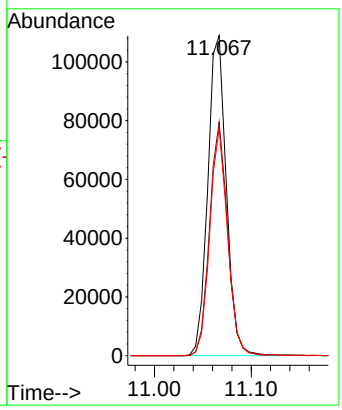


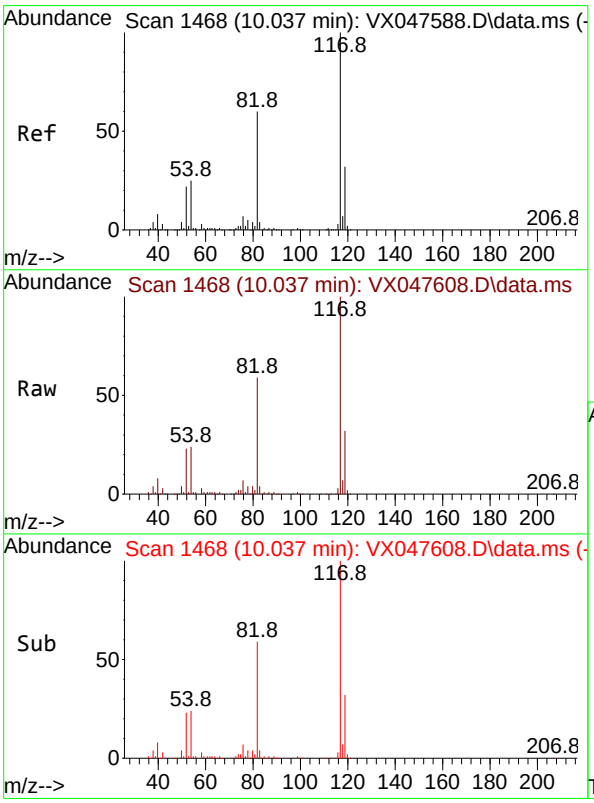
#62
4-Bromofluorobenzene
Concen: 50.682 ug/l
RT: 11.067 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047608.D
Acq: 17 Sep 2025 11:39

Instrument :
MSVOA_X
ClientSampleId :
MW179D-20250908

Tgt Ion: 95 Resp: 145076

Ion	Ratio	Lower	Upper
95	100		
174	71.2	0.0	141.6
176	68.4	0.0	138.4

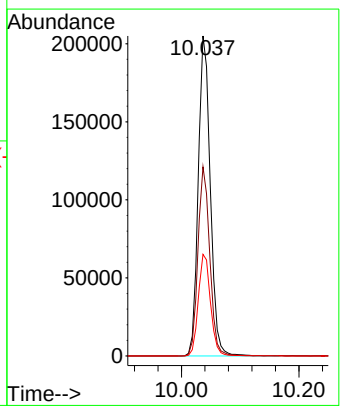


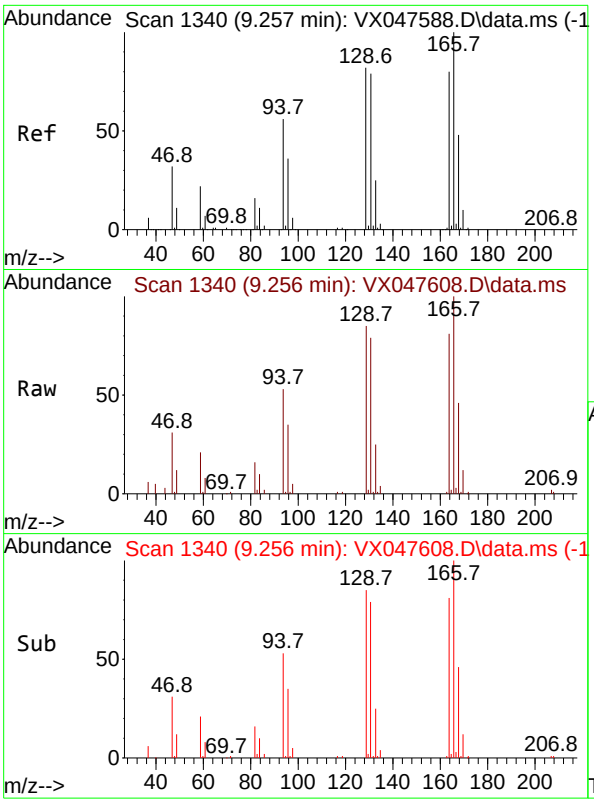


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX047608.D
Acq: 17 Sep 2025 11:39

Tgt Ion:117 Resp: 290676

Ion	Ratio	Lower	Upper
117	100		
82	59.1	47.8	71.6
119	31.7	25.2	37.8



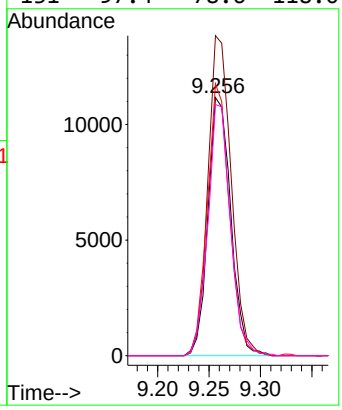


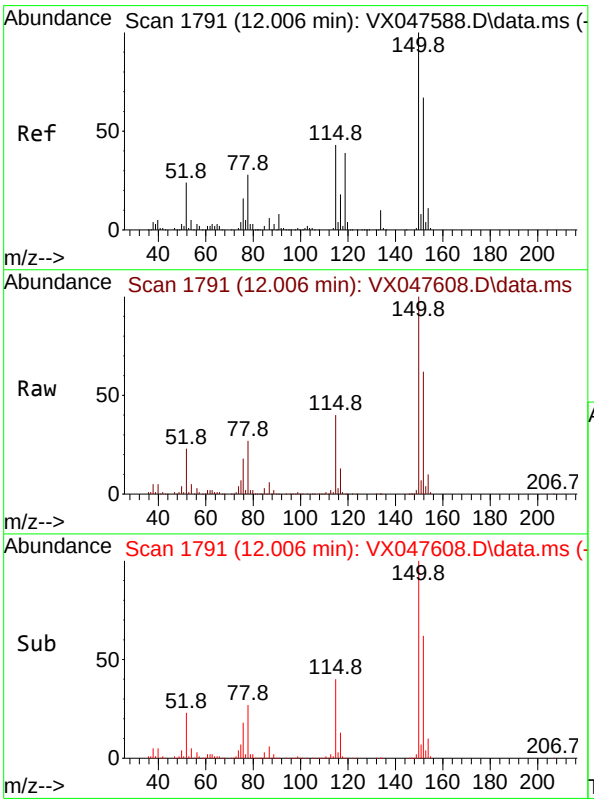
#64
Tetrachloroethene
Concen: 9.085 ug/l
RT: 9.256 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047608.D
Acq: 17 Sep 2025 11:39

Instrument :
MSVOA_X
ClientSampleId :
MW179D-20250908

Tgt Ion:164 Resp: 17215

Ion	Ratio	Lower	Upper
164	100		
166	124.0	100.2	150.2
129	105.3	81.8	122.6
131	97.4	78.6	118.0

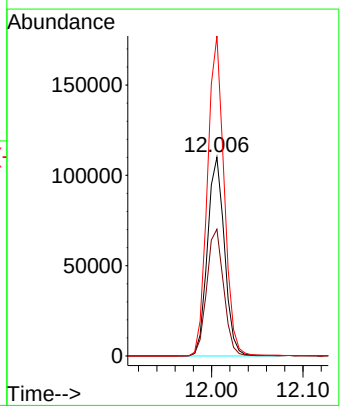




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047608.D
Acq: 17 Sep 2025 11:39

Tgt Ion:152 Resp: 142056

Ion	Ratio	Lower	Upper
152	100		
115	63.7	44.9	134.5
150	157.9	0.0	352.0



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:	09/08/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/12/25
Client Sample ID:	MW201D-20250908	SDG No.:	Q3095
Lab Sample ID:	Q3095-03	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047609.D	1	09/17/25 12:00	VX091725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	10.7		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	140		0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	2.50		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	45.2		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	0.84	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	4.50		0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	2.10		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	7.60		0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	4.30		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	83.3		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	0.50	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:	09/08/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/12/25
Client Sample ID:	MW201D-20250908	SDG No.:	Q3095
Lab Sample ID:	Q3095-03	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047609.D	1	09/17/25 12:00	VX091725

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	0.39	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	86.5		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	46.1		81 - 118		92%	SPK: 50
1868-53-7	Dibromofluoromethane	44.9		80 - 119		90%	SPK: 50
2037-26-5	Toluene-d8	45.3		89 - 112		91%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.0		85 - 114		100%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	164000	5.543				
540-36-3	1,4-Difluorobenzene	330000	6.751				
3114-55-4	Chlorobenzene-d5	318000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	153000	12.006				

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:	09/08/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/12/25
Client Sample ID:	MW201D-20250908	SDG No.:	Q3095
Lab Sample ID:	Q3095-03	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047609.D	1	09/17/25 12:00	VX091725

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\VX091725\
Data File : VX047609.D
Acq On : 17 Sep 2025 12:00
Operator : JC/MD
Sample : Q3095-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW201D-20250908

Quant Time: Sep 18 02:02:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

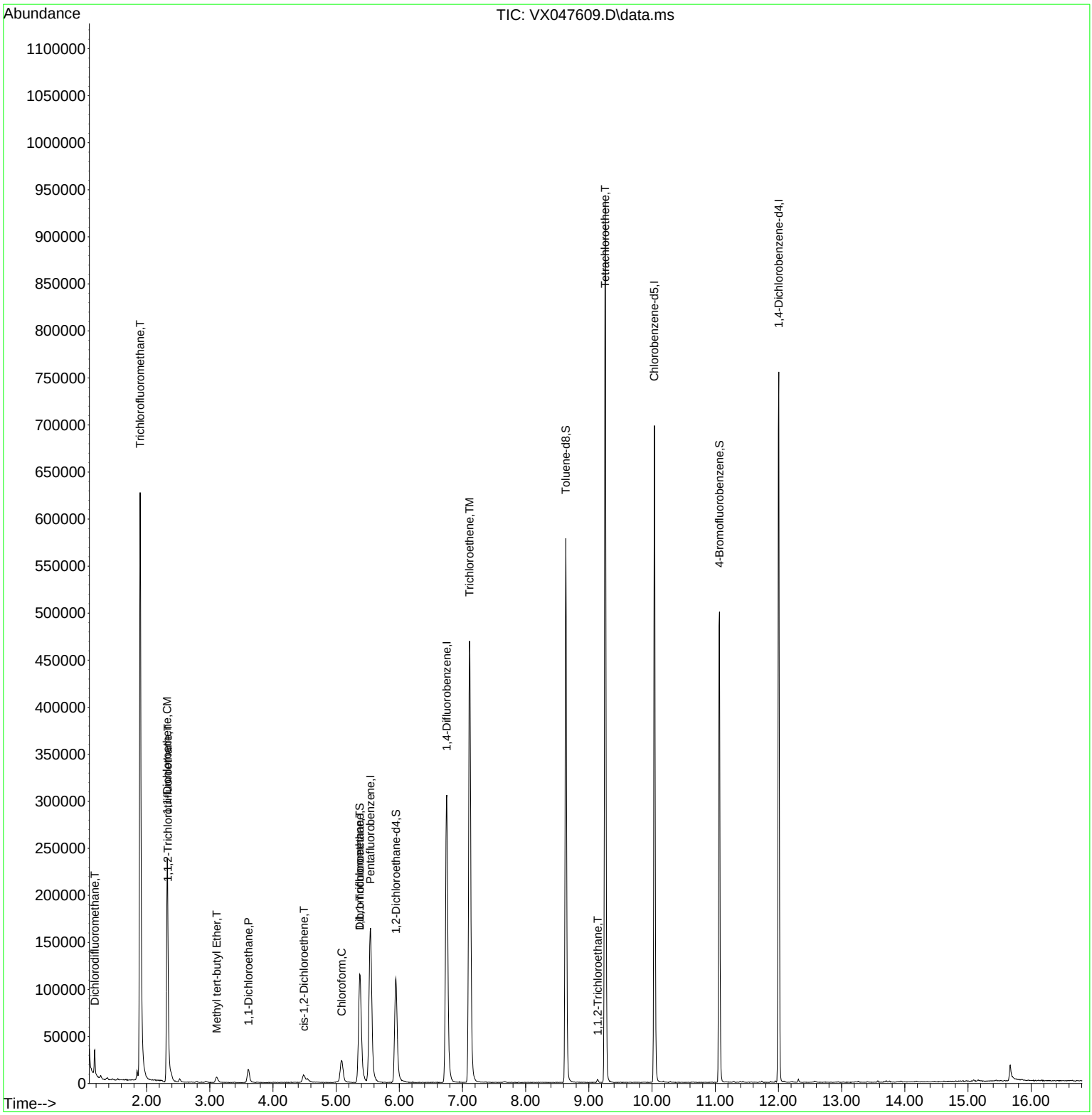
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.543	168	164440	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	329692	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	318034	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	152611	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	120762	46.137	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 92.280%			
35) Dibromofluoromethane	5.373	113	99168	44.850	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 89.700%			
50) Toluene-d8	8.634	98	346603	45.303	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 90.600%#			
62) 4-Bromofluorobenzene	11.067	95	145287	50.036	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 100.080%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.178	85	18261	10.724	ug/l	95
7) Trichlorofluoromethane	1.898	101	463624	142.533	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.337	101	4819	2.534	ug/l	97
12) 1,1-Dichloroethene	2.325	96	88304	45.198	ug/l	94
19) Methyl tert-butyl Ether	3.111	73	5994	0.840	ug/l	98
24) 1,1-Dichloroethane	3.611	63	18699	4.503	ug/l	96
27) cis-1,2-Dichloroethene	4.489	96	5493	2.132	ug/l	92
30) Chloroform	5.086	83	31914	7.605	ug/l	94
32) 1,1,1-Trichloroethane	5.373	97	15234	4.280	ug/l	98
44) Trichloroethene	7.110	130	197550	83.268	ug/l	96
55) 1,1,2-Trichloroethane	9.140	97	907	0.389	ug/l #	85
64) Tetrachloroethene	9.256	164	179402	86.532	ug/l	99

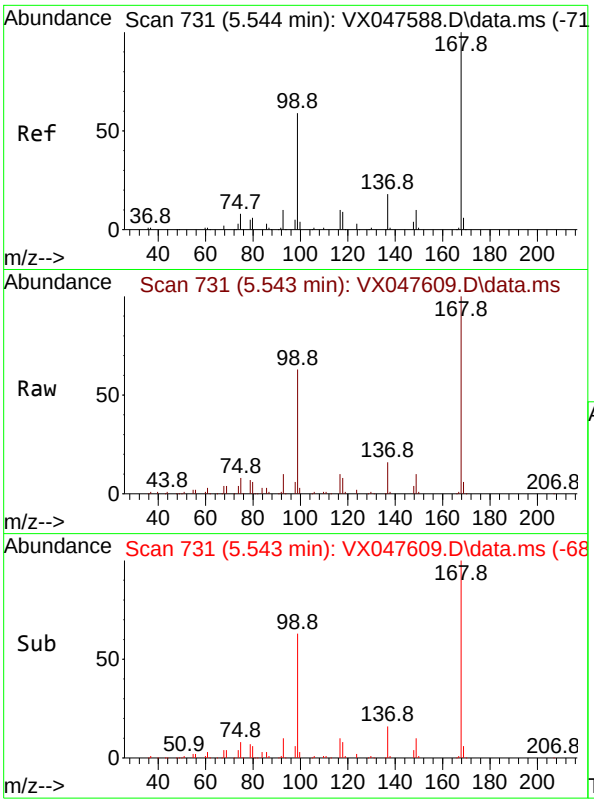
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091725\
Data File : VX047609.D
Acq On : 17 Sep 2025 12:00
Operator : JC/MD
Sample : Q3095-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW201D-20250908

Quant Time: Sep 18 02:02:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



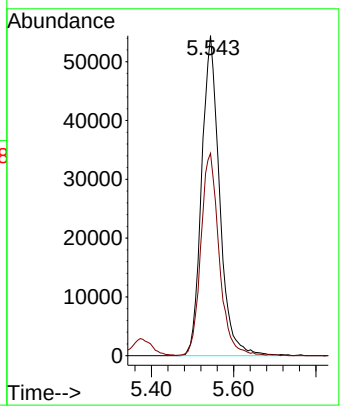


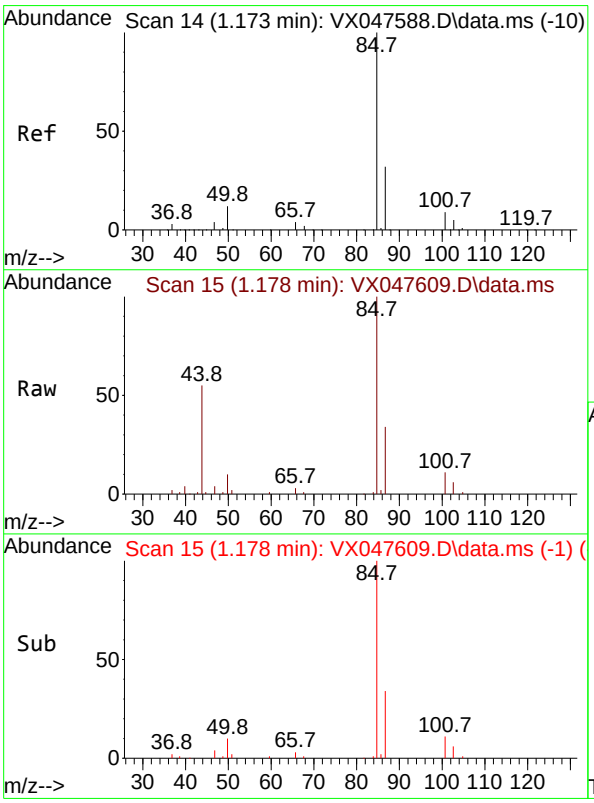
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.543 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047609.D
Acq: 17 Sep 2025 12:00

Instrument :
MSVOA_X
ClientSampleId :
MW201D-20250908

Tgt Ion:168 Resp: 164440

Ion	Ratio	Lower	Upper
168	100		
99	63.1	48.8	73.2

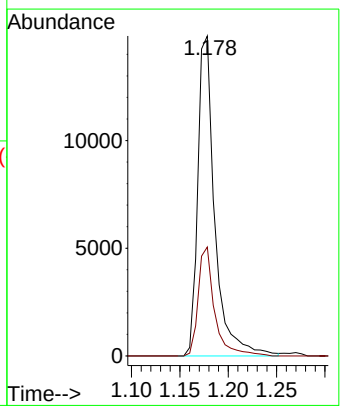


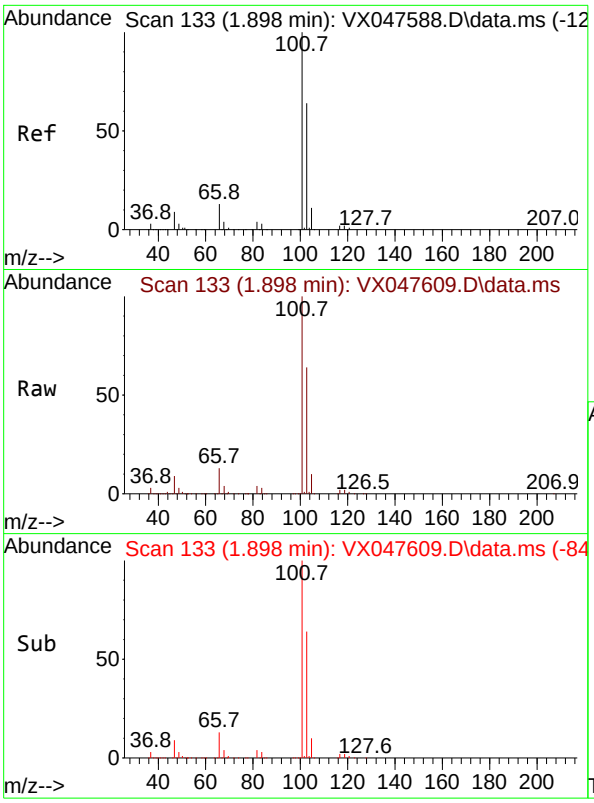


#2
Dichlorodifluoromethane
Concen: 10.724 ug/l
RT: 1.178 min Scan# 15
Delta R.T. 0.006 min
Lab File: VX047609.D
Acq: 17 Sep 2025 12:00

Tgt Ion: 85 Resp: 18261

Ion	Ratio	Lower	Upper
85	100		
87	34.1	15.8	47.3



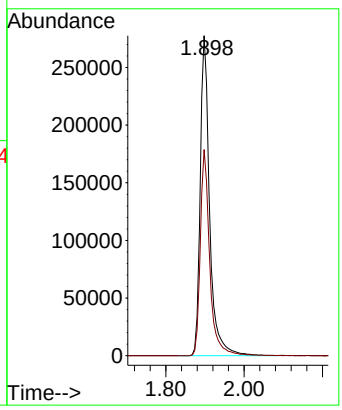


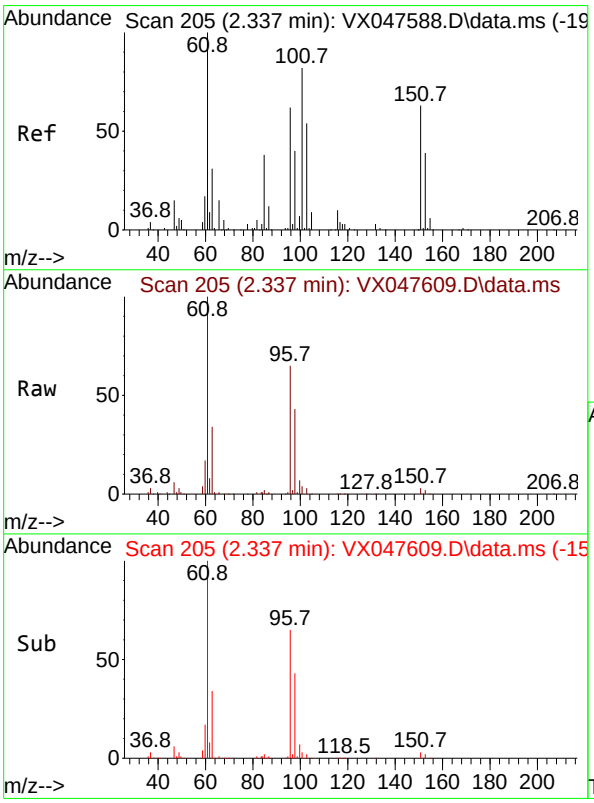
#7
Trichlorofluoromethane
Concen: 142.533 ug/l
RT: 1.898 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047609.D
Acq: 17 Sep 2025 12:00

Instrument :
MSVOA_X
ClientSampleId :
MW201D-20250908

Tgt Ion:101 Resp: 463624

Ion	Ratio	Lower	Upper
101	100		
103	64.4	51.4	77.2

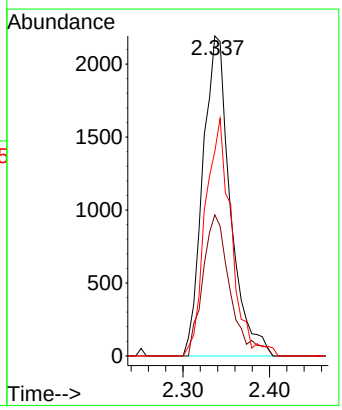


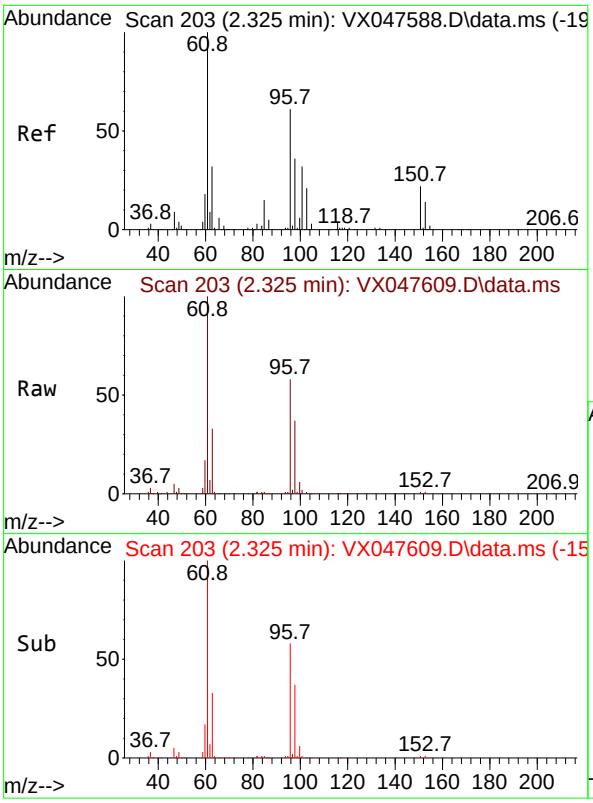


#9
1,1,2-Trichlorotrifluoroethane
Concen: 2.534 ug/l
RT: 2.337 min Scan# 205
Delta R.T. -0.000 min
Lab File: VX047609.D
Acq: 17 Sep 2025 12:00

Tgt Ion:101 Resp: 4819

Ion	Ratio	Lower	Upper
101	100		
85	43.7	35.5	53.3
151	70.6	59.4	89.0



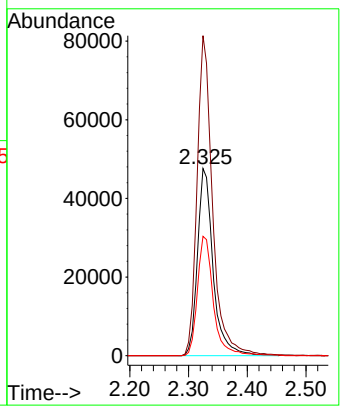


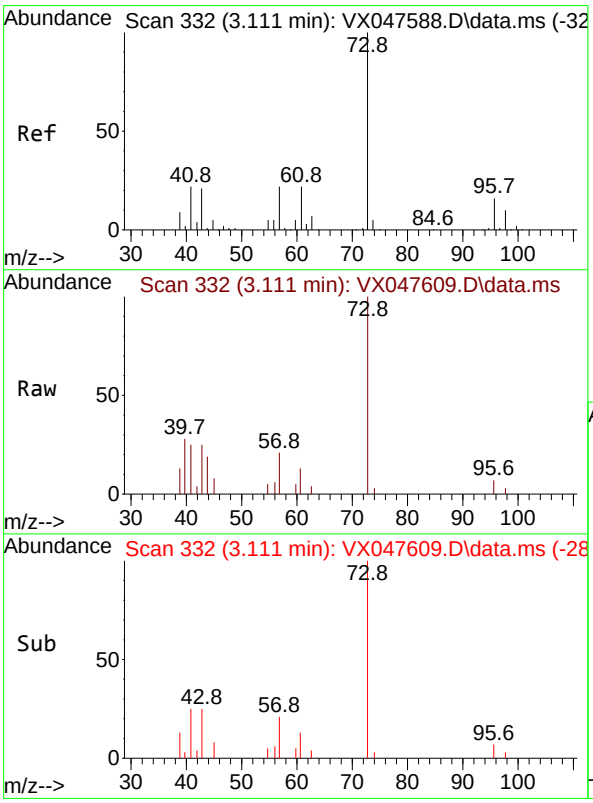
#12
1,1-Dichloroethene
Concen: 45.198 ug/l
RT: 2.325 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047609.D
Acq: 17 Sep 2025 12:00

Instrument :
MSVOA_X
ClientSampleId :
MW201D-20250908

Tgt Ion: 96 Resp: 88304

Ion	Ratio	Lower	Upper
96	100		
61	171.0	131.0	196.6
98	65.5	47.7	71.5

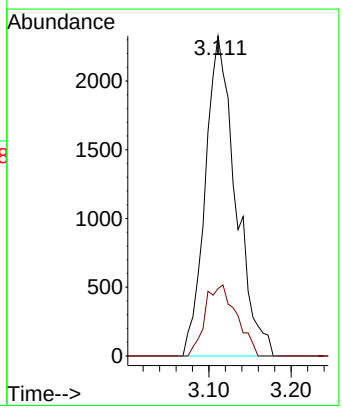


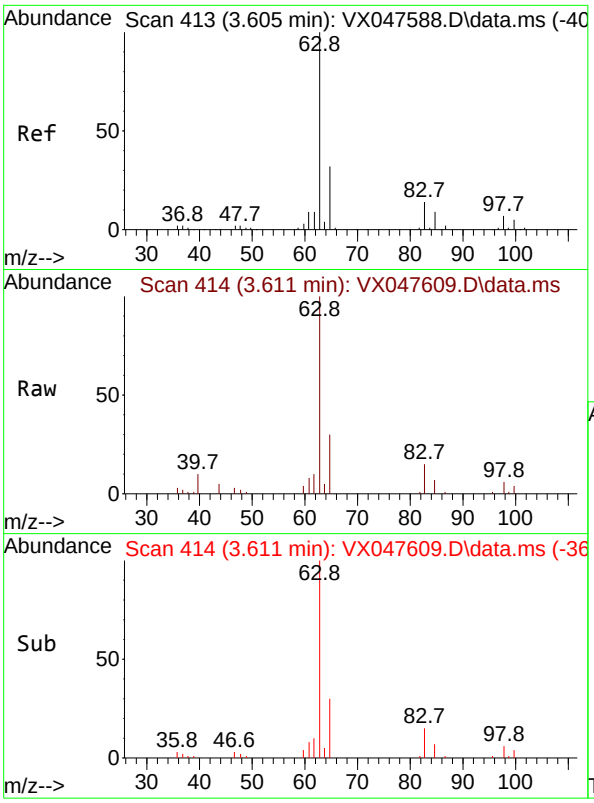


#19
Methyl tert-butyl Ether
Concen: 0.840 ug/l
RT: 3.111 min Scan# 332
Delta R.T. -0.000 min
Lab File: VX047609.D
Acq: 17 Sep 2025 12:00

Tgt Ion: 73 Resp: 5994

Ion	Ratio	Lower	Upper
73	100		
57	21.0	17.4	26.2



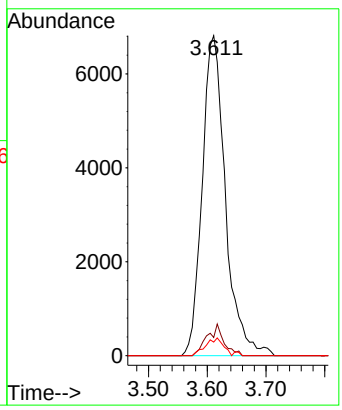


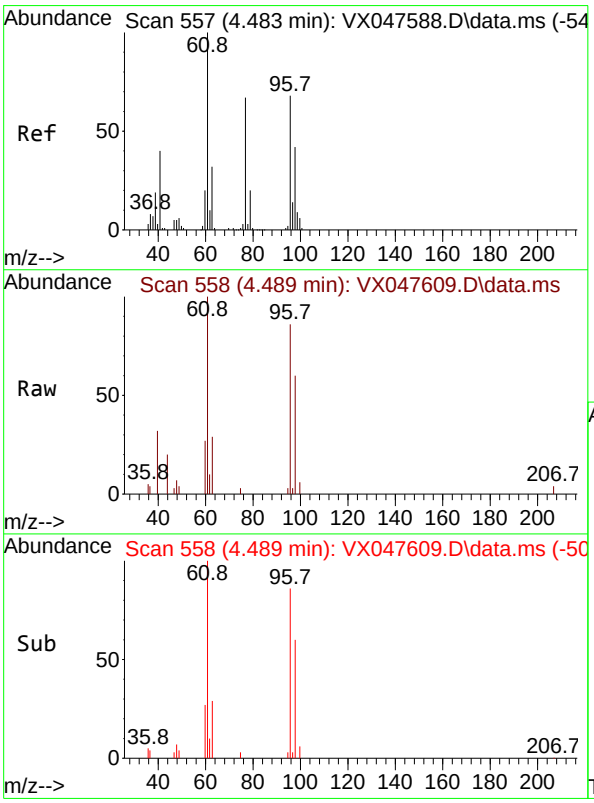
#24
1,1-Dichloroethane
Concen: 4.503 ug/l
RT: 3.611 min Scan# 41
Delta R.T. 0.006 min
Lab File: VX047609.D
Acq: 17 Sep 2025 12:00

Instrument :
MSVOA_X
ClientSampleId :
MW201D-20250908

Tgt Ion: 63 Resp: 18699

Ion	Ratio	Lower	Upper
63	100		
98	5.7	3.8	11.2
100	4.3	2.3	6.9

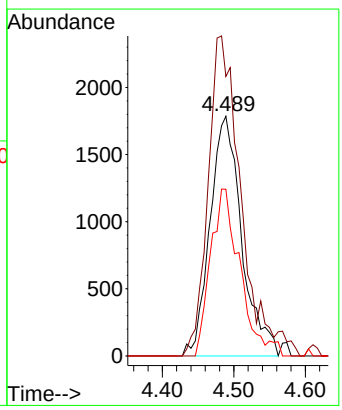


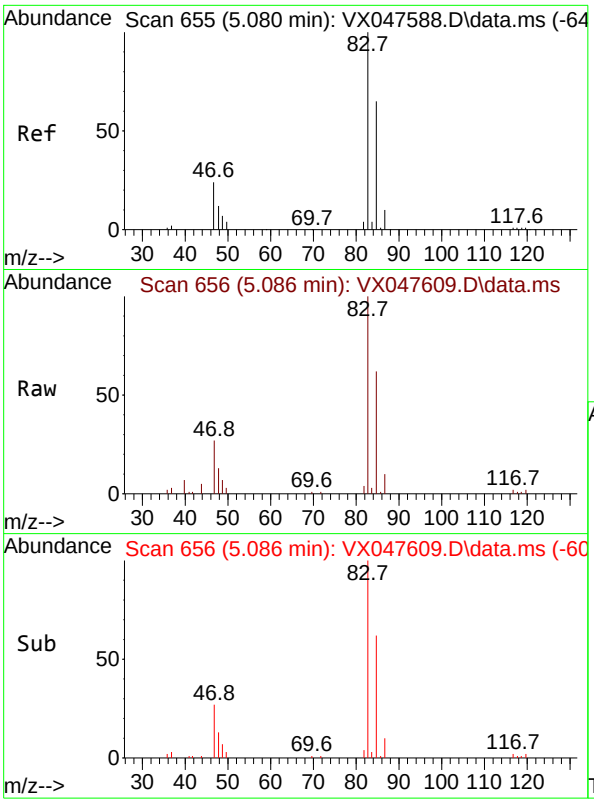


#27
cis-1,2-Dichloroethene
Concen: 2.132 ug/l
RT: 4.489 min Scan# 558
Delta R.T. 0.006 min
Lab File: VX047609.D
Acq: 17 Sep 2025 12:00

Tgt Ion: 96 Resp: 5493

Ion	Ratio	Lower	Upper
96	100		
61	138.6	0.0	303.2
98	65.1	0.0	127.8



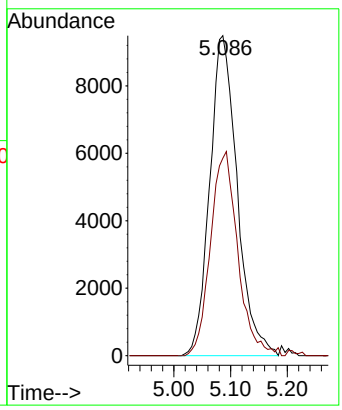


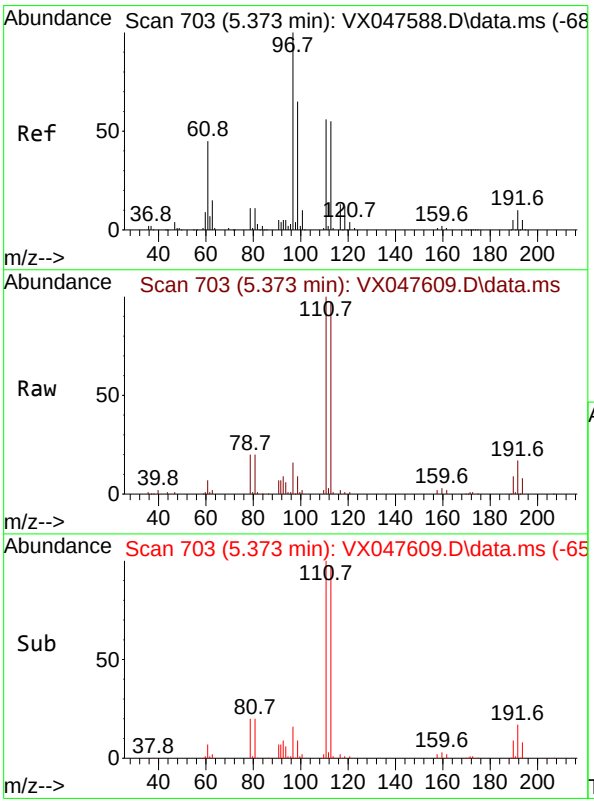
#30
Chloroform
Concen: 7.605 ug/l
RT: 5.086 min Scan# 6
Delta R.T. 0.006 min
Lab File: VX047609.D
Acq: 17 Sep 2025 12:00

Instrument :
MSVOA_X
ClientSampleId :
MW201D-20250908

Tgt Ion: 83 Resp: 31914

Ion	Ratio	Lower	Upper
83	100		
85	60.0	51.8	77.6

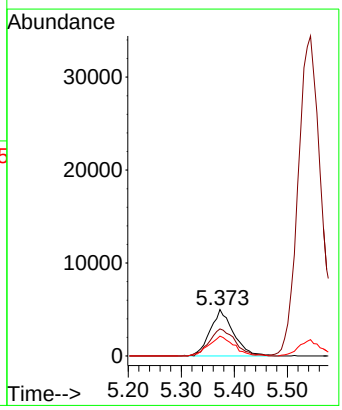


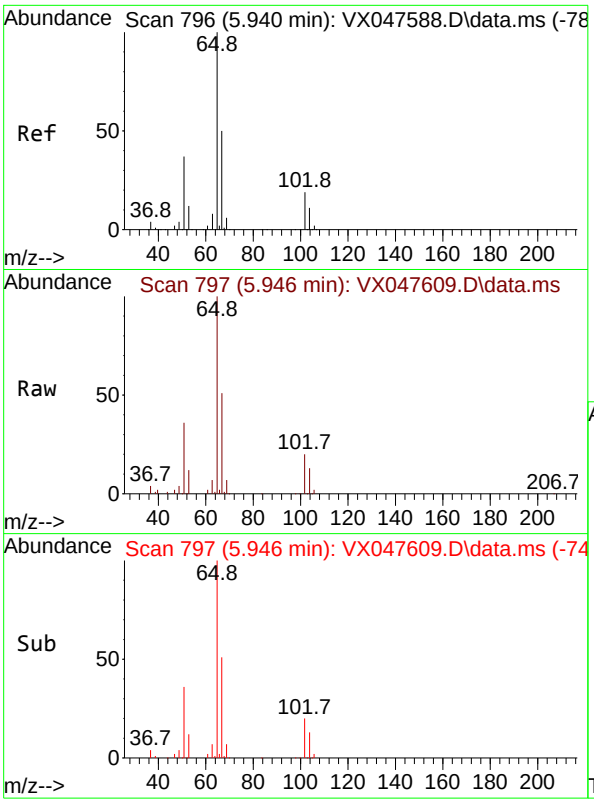


#32
1,1,1-Trichloroethane
Concen: 4.280 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX047609.D
Acq: 17 Sep 2025 12:00

Tgt Ion: 97 Resp: 15234

Ion	Ratio	Lower	Upper
97	100		
99	64.2	50.6	76.0
61	46.1	35.8	53.8



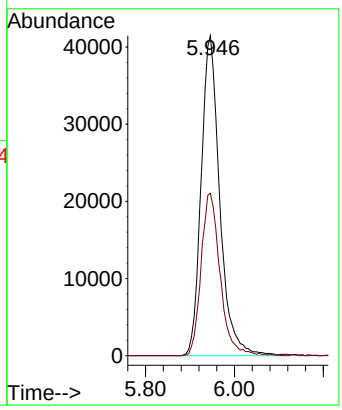


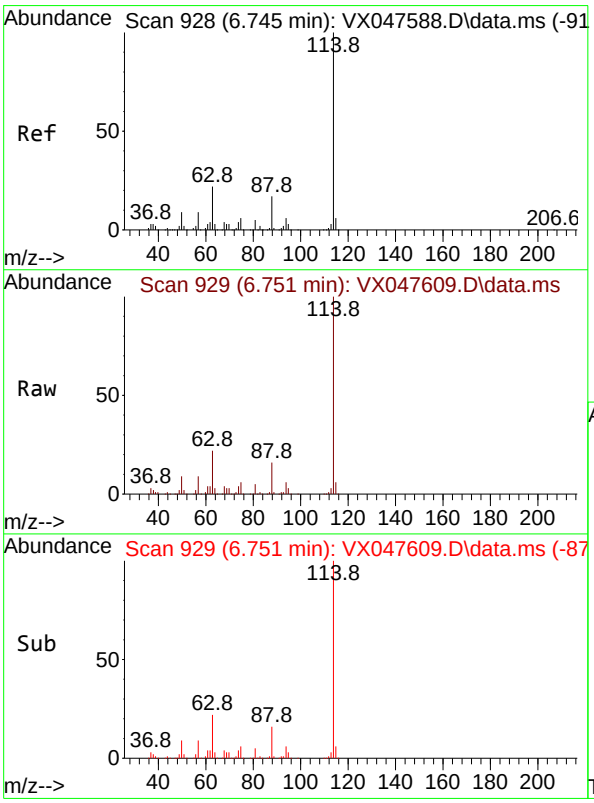
#33
1,2-Dichloroethane-d4
Concen: 46.137 ug/l
RT: 5.946 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047609.D
Acq: 17 Sep 2025 12:00

Instrument :
MSVOA_X
ClientSampleId :
MW201D-20250908

Tgt Ion: 65 Resp: 120762

Ion	Ratio	Lower	Upper
65	100		
67	51.9	0.0	103.0

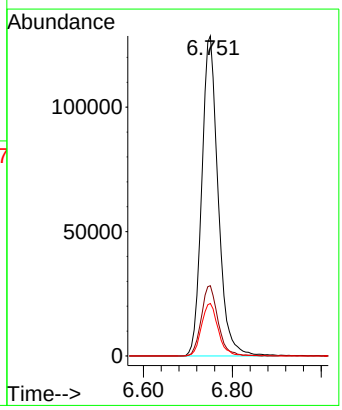


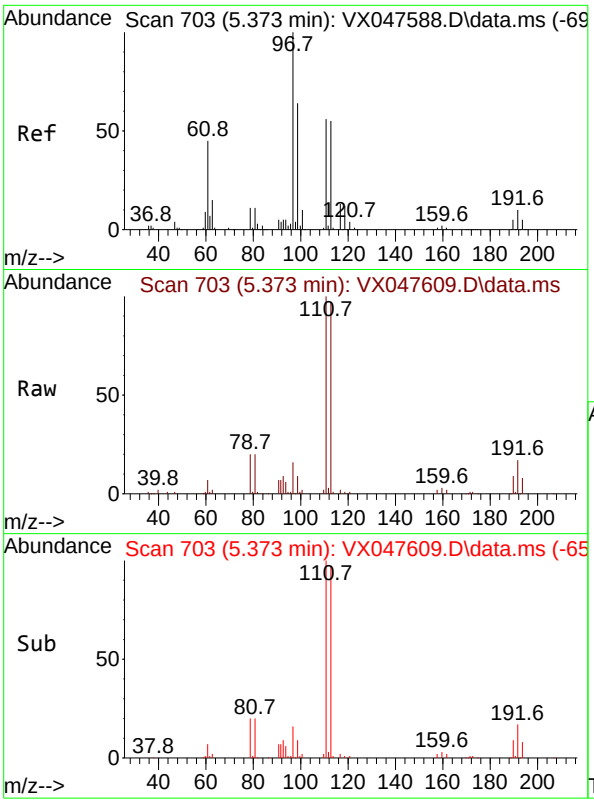


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 929
Delta R.T. 0.006 min
Lab File: VX047609.D
Acq: 17 Sep 2025 12:00

Tgt Ion:114 Resp: 329692

Ion	Ratio	Lower	Upper
114	100		
63	21.9	0.0	44.0
88	16.4	0.0	34.2



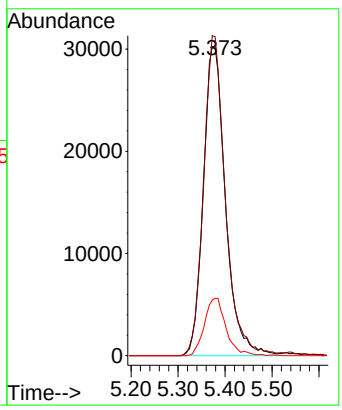


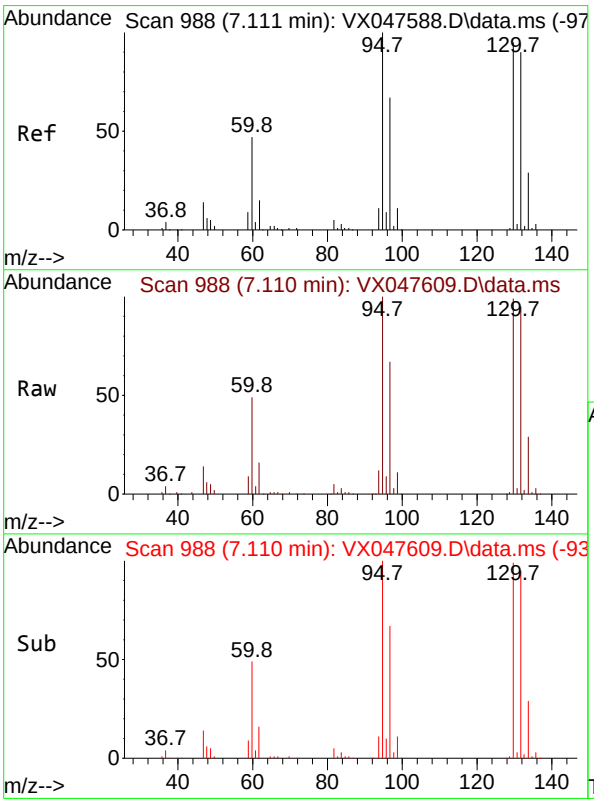
#35
Dibromofluoromethane
Concen: 44.850 ug/l
RT: 5.373 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047609.D
Acq: 17 Sep 2025 12:00

Instrument :
MSVOA_X
ClientSampleId :
MW201D-20250908

Tgt Ion:113 Resp: 99168

Ion	Ratio	Lower	Upper
113	100		
111	101.6	80.9	121.3
192	18.0	14.2	21.4

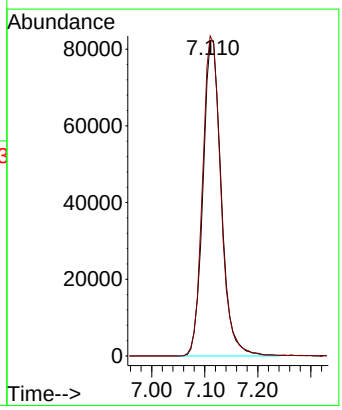


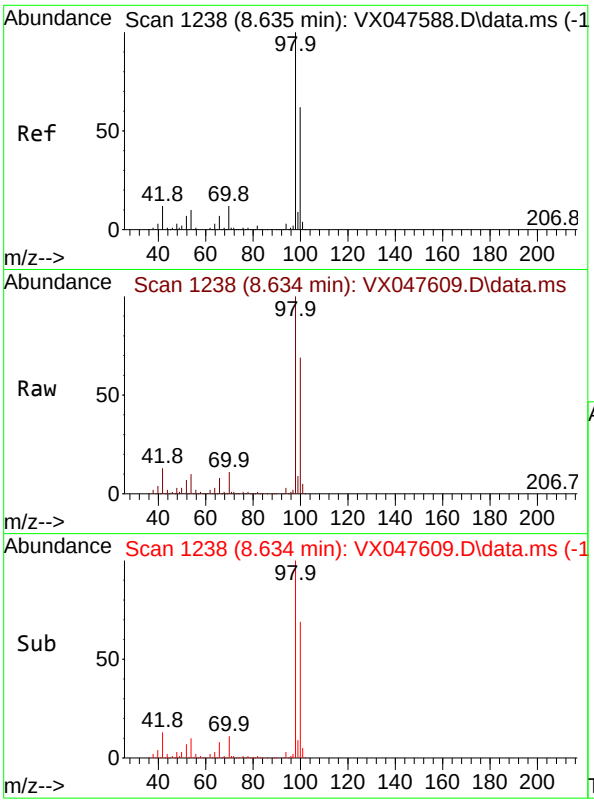


#44
Trichloroethene
Concen: 83.268 ug/l
RT: 7.110 min Scan# 988
Delta R.T. -0.000 min
Lab File: VX047609.D
Acq: 17 Sep 2025 12:00

Tgt Ion:130 Resp: 197550

Ion	Ratio	Lower	Upper
130	100		
95	101.4	0.0	210.8



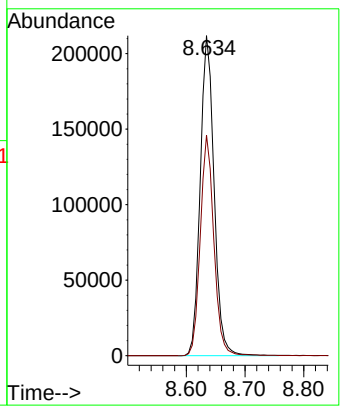


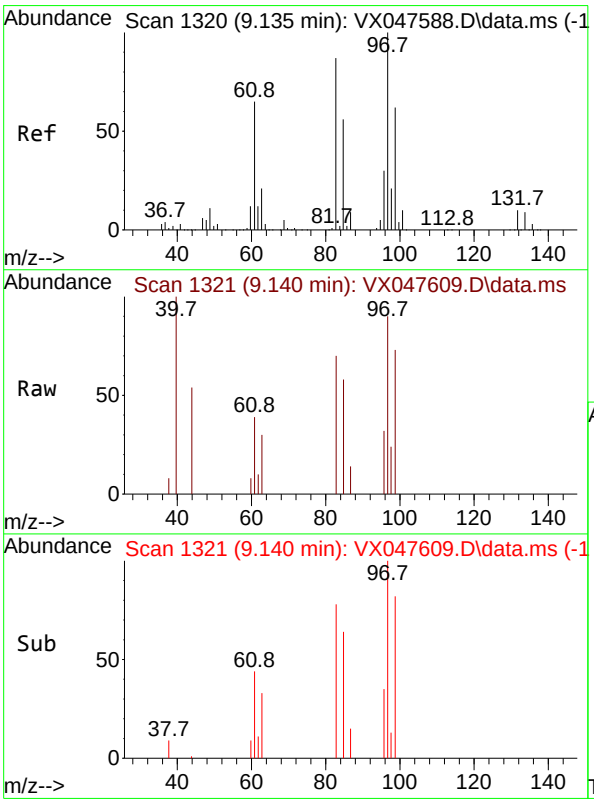
#50
Toluene-d8
Concen: 45.303 ug/l
RT: 8.634 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047609.D
Acq: 17 Sep 2025 12:00

Instrument :
MSVOA_X
ClientSampleId :
MW201D-20250908

Tgt Ion: 98 Resp: 346603

Ion	Ratio	Lower	Upper
98	100		
100	67.4	53.0	79.4

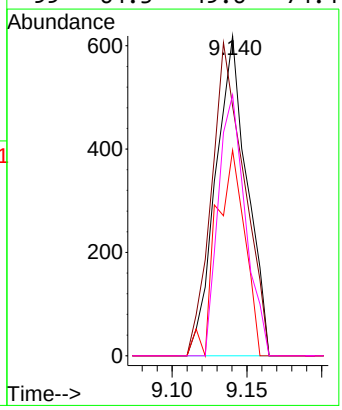


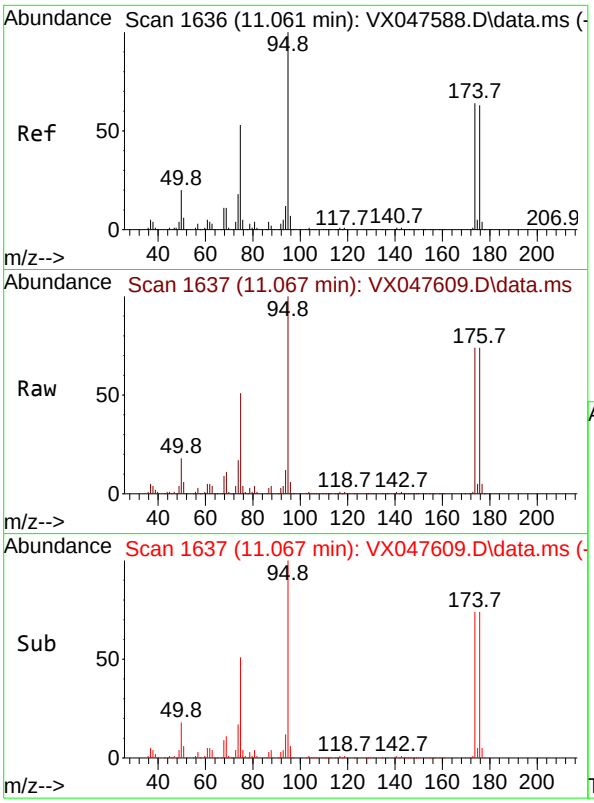


#55
1,1,2-Trichloroethane
Concen: 0.389 ug/l
RT: 9.140 min Scan# 1321
Delta R.T. 0.006 min
Lab File: VX047609.D
Acq: 17 Sep 2025 12:00

Tgt Ion: 97 Resp: 907

Ion	Ratio	Lower	Upper
97	100		
83	61.5	69.6	104.4#
85	50.7	45.0	67.6
99	64.3	49.6	74.4



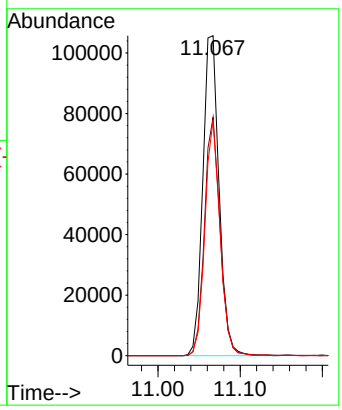


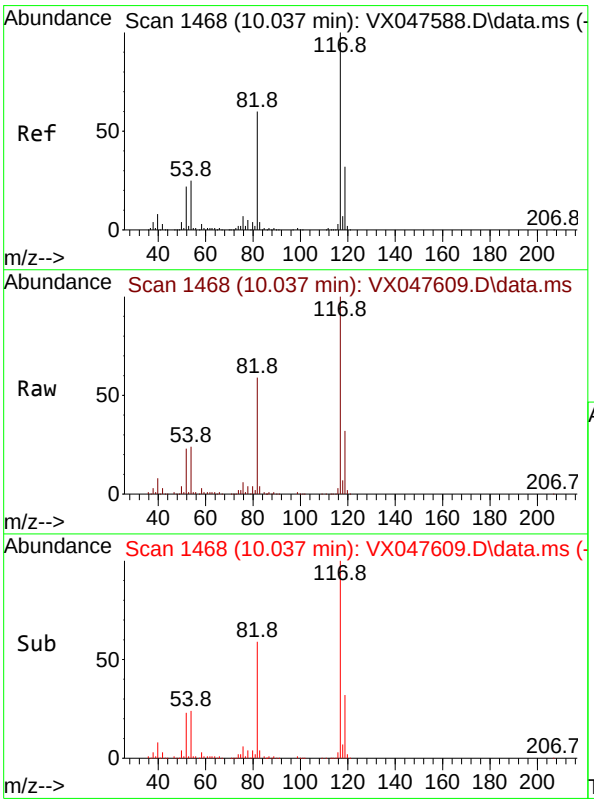
#62
4-Bromofluorobenzene
Concen: 50.036 ug/l
RT: 11.067 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047609.D
Acq: 17 Sep 2025 12:00

Instrument :
MSVOA_X
ClientSampleId :
MW201D-20250908

Tgt Ion: 95 Resp: 145287

Ion	Ratio	Lower	Upper
95	100		
174	71.3	0.0	141.6
176	68.4	0.0	138.4

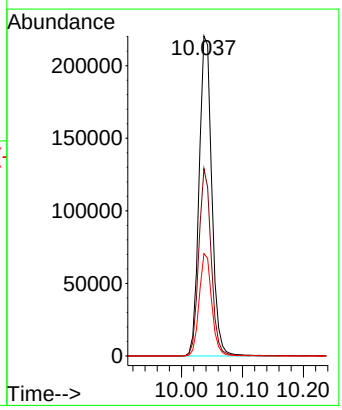


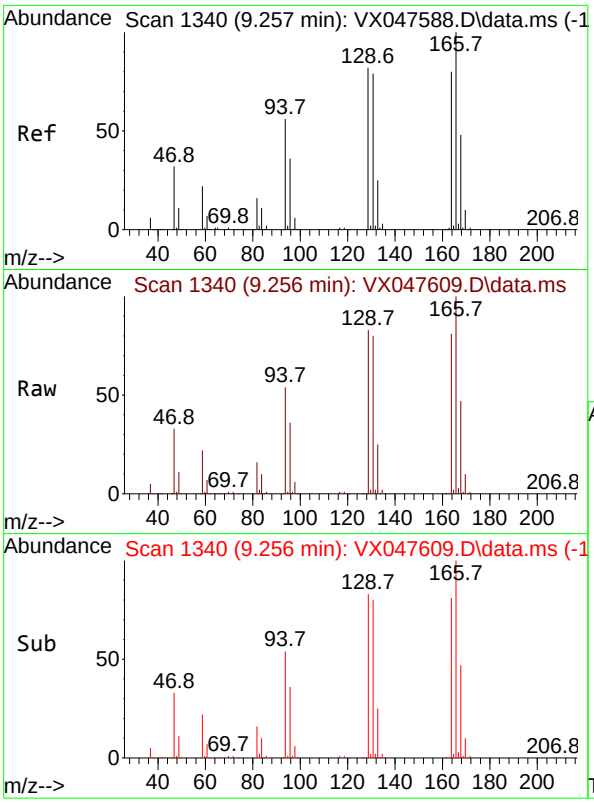


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX047609.D
Acq: 17 Sep 2025 12:00

Tgt Ion:117 Resp: 318034

Ion	Ratio	Lower	Upper
117	100		
82	58.5	47.8	71.6
119	32.0	25.2	37.8



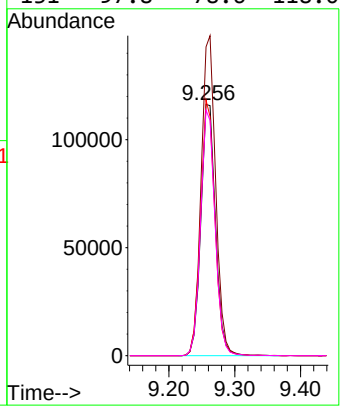


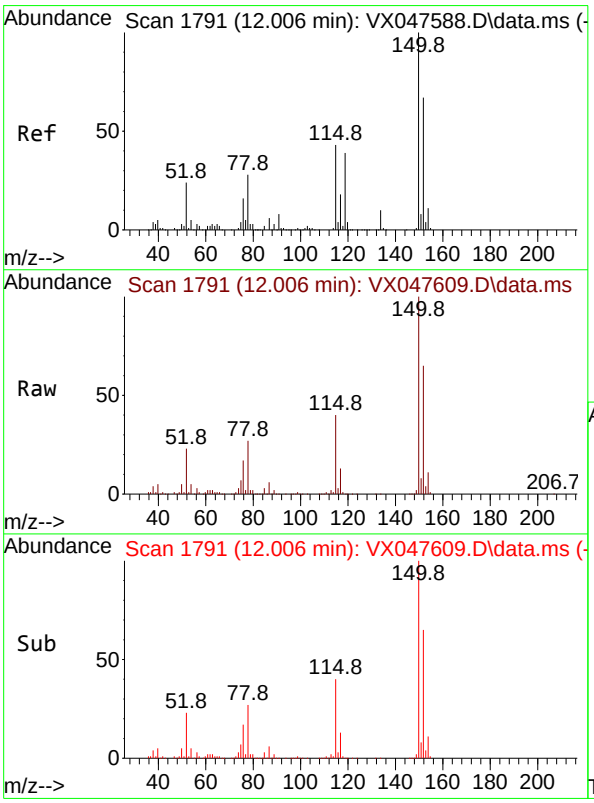
#64
Tetrachloroethene
Concen: 86.532 ug/l
RT: 9.256 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047609.D
Acq: 17 Sep 2025 12:00

Instrument :
MSVOA_X
ClientSampleId :
MW201D-20250908

Tgt Ion:164 Resp: 179402

Ion	Ratio	Lower	Upper
164	100		
166	122.9	100.2	150.2
129	101.7	81.8	122.6
131	97.8	78.6	118.0

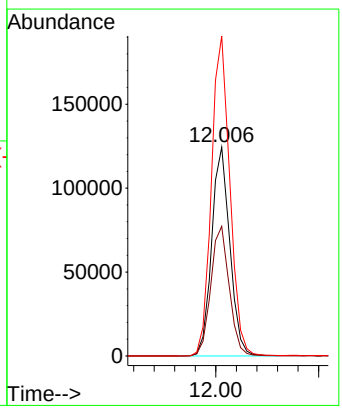




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047609.D
Acq: 17 Sep 2025 12:00

Tgt Ion:152 Resp: 152611

Ion	Ratio	Lower	Upper
152	100		
115	63.1	44.9	134.5
150	155.5	0.0	352.0



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:	09/08/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/12/25
Client Sample ID:	MW179D1-20250908	SDG No.:	Q3095
Lab Sample ID:	Q3095-04	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047610.D	1	09/17/25 12:21	VX091725

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	0.64	J	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	0.75	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	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	13.5		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	120		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:	09/08/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/12/25
Client Sample ID:	MW179D1-20250908	SDG No.:	Q3095
Lab Sample ID:	Q3095-04	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047610.D	1	09/17/25 12:21	VX091725

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	13.0		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	51.6		81 - 118		103%	SPK: 50
1868-53-7	Dibromofluoromethane	47.9		80 - 119		96%	SPK: 50
2037-26-5	Toluene-d8	48.5		89 - 112		97%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.0		85 - 114		100%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	176000	5.544				
540-36-3	1,4-Difluorobenzene	326000	6.751				
3114-55-4	Chlorobenzene-d5	296000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	144000	12.006				

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:	09/08/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/12/25
Client Sample ID:	MW179D1-20250908	SDG No.:	Q3095
Lab Sample ID:	Q3095-04	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047610.D	1	09/17/25 12:21	VX091725

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\VX091725\
Data File : VX047610.D
Acq On : 17 Sep 2025 12:21
Operator : JC/MD
Sample : Q3095-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW179D1-20250908

Quant Time: Sep 18 02:02:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

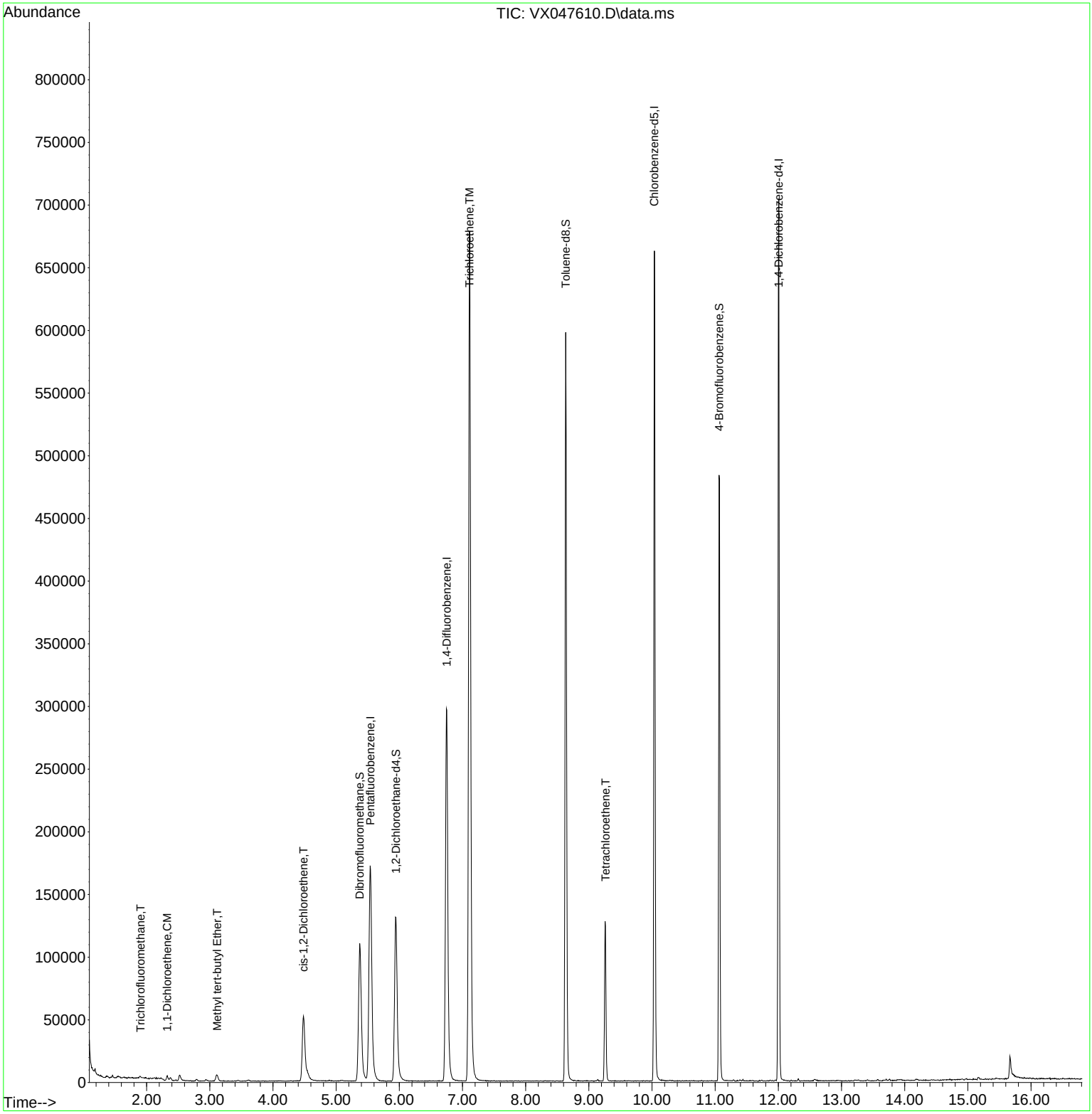
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	175550	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	325614	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	296492	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	143935	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	144135	51.582	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 103.160%			
35) Dibromofluoromethane	5.373	113	104593	47.896	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 95.800%			
50) Toluene-d8	8.635	98	366349	48.483	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 96.960%			
62) 4-Bromofluorobenzene	11.061	95	143443	50.020	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 100.040%			
Target Compounds						Qvalue
7) Trichlorofluoromethane	1.904	101	1104	0.318	ug/l #	76
12) 1,1-Dichloroethene	2.325	96	1330	0.638	ug/l	93
19) Methyl tert-butyl Ether	3.117	73	5702	0.749	ug/l #	78
27) cis-1,2-Dichloroethene	4.483	96	37070	13.480	ug/l	89
44) Trichloroethene	7.111	130	278331	118.787	ug/l	99
64) Tetrachloroethene	9.263	164	25046	12.958	ug/l	94

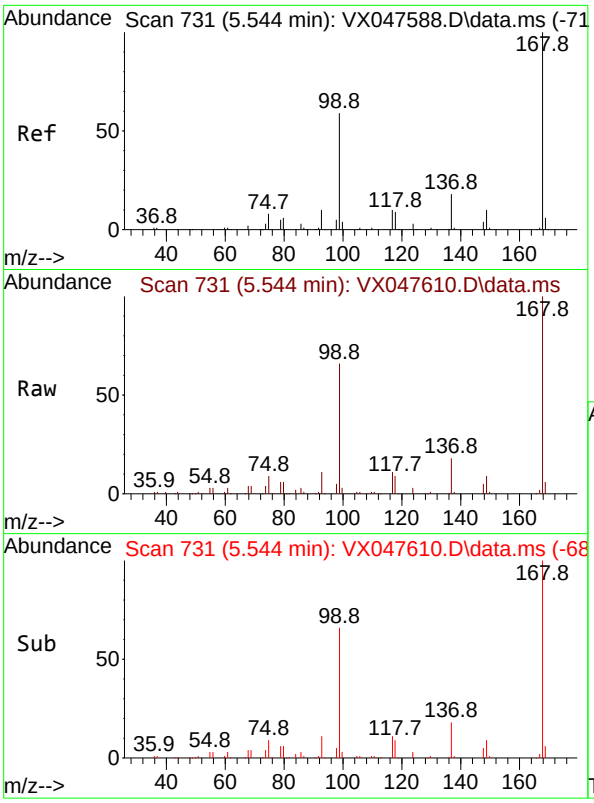
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091725\
Data File : VX047610.D
Acq On : 17 Sep 2025 12:21
Operator : JC/MD
Sample : Q3095-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW179D1-20250908

Quant Time: Sep 18 02:02:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



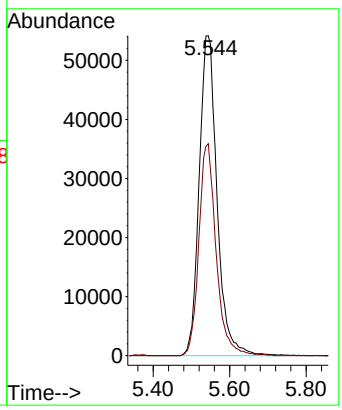


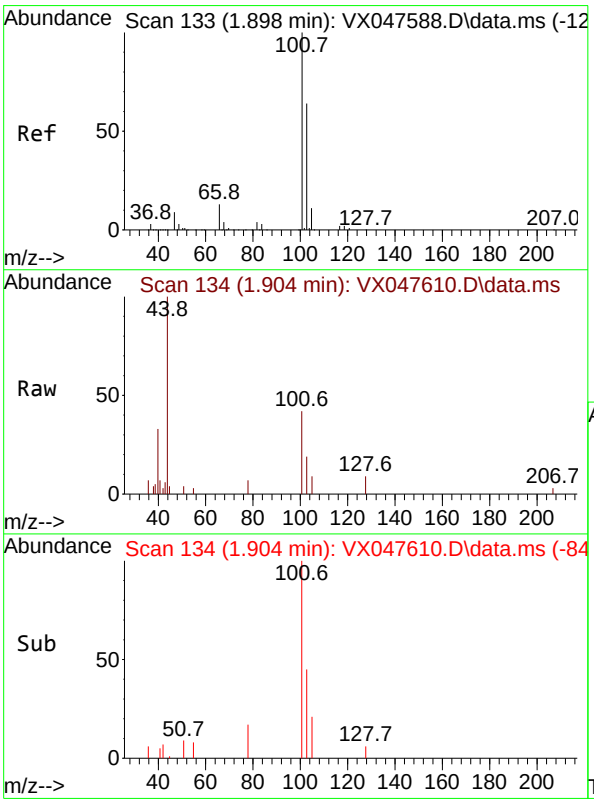
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047610.D
Acq: 17 Sep 2025 12:21

Instrument :
MSVOA_X
ClientSampleId :
MW179D1-20250908

Tgt Ion:168 Resp: 175550

Ion	Ratio	Lower	Upper
168	100		
99	66.2	48.8	73.2

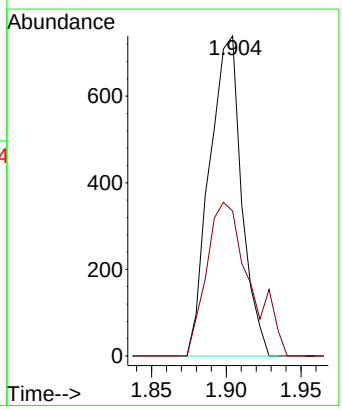


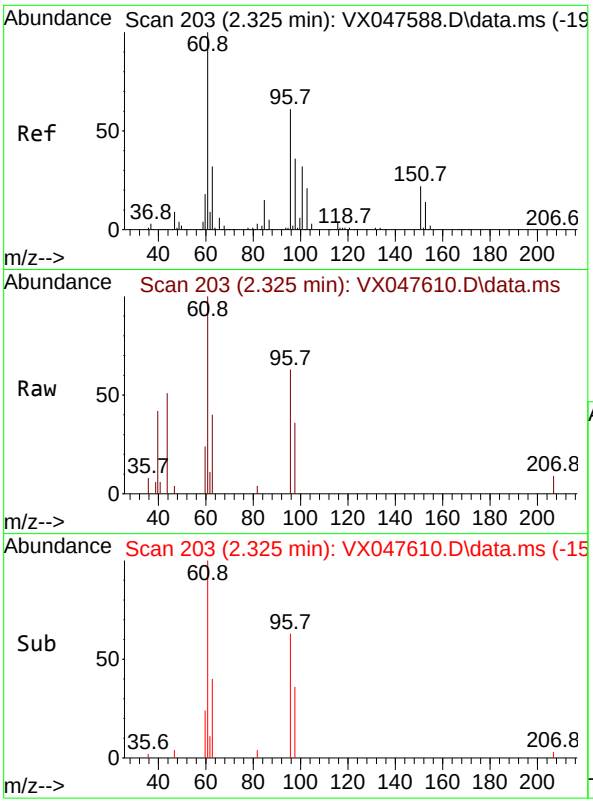


#7
Trichlorofluoromethane
Concen: 0.318 ug/l
RT: 1.904 min Scan# 134
Delta R.T. 0.006 min
Lab File: VX047610.D
Acq: 17 Sep 2025 12:21

Tgt Ion:101 Resp: 1104

Ion	Ratio	Lower	Upper
101	100		
103	45.3	51.4	77.2#



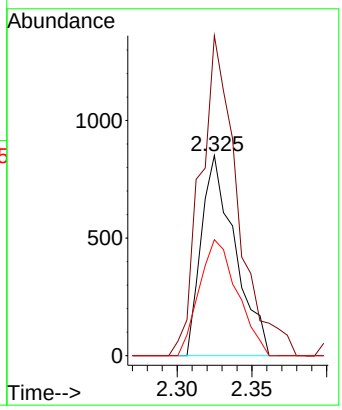


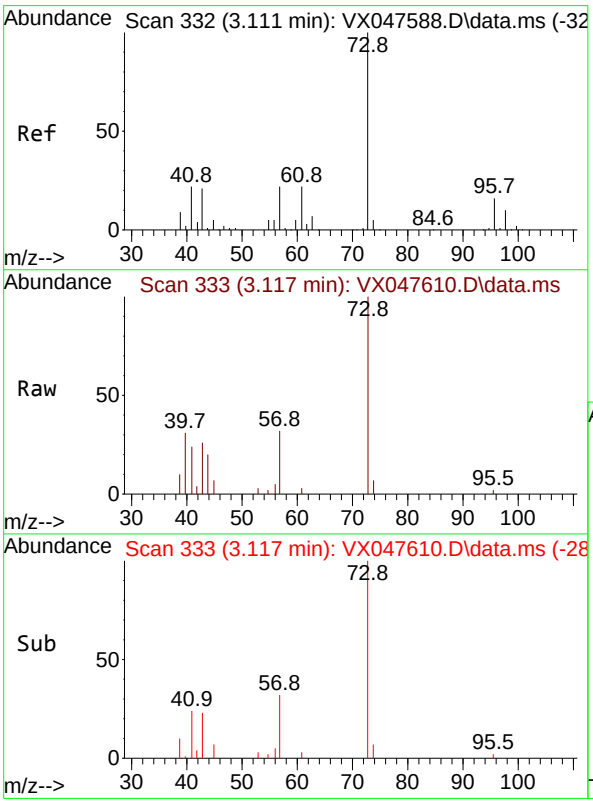
#12
1,1-Dichloroethene
Concen: 0.638 ug/l
RT: 2.325 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX047610.D
Acq: 17 Sep 2025 12:21

Instrument :
MSVOA_X
ClientSampleId :
MW179D1-20250908

Tgt Ion: 96 Resp: 1330

Ion	Ratio	Lower	Upper
96	100		
61	152.8	131.0	196.6
98	57.9	47.7	71.5

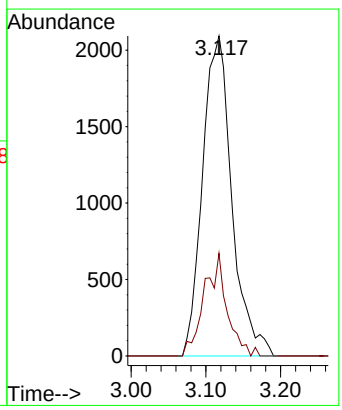


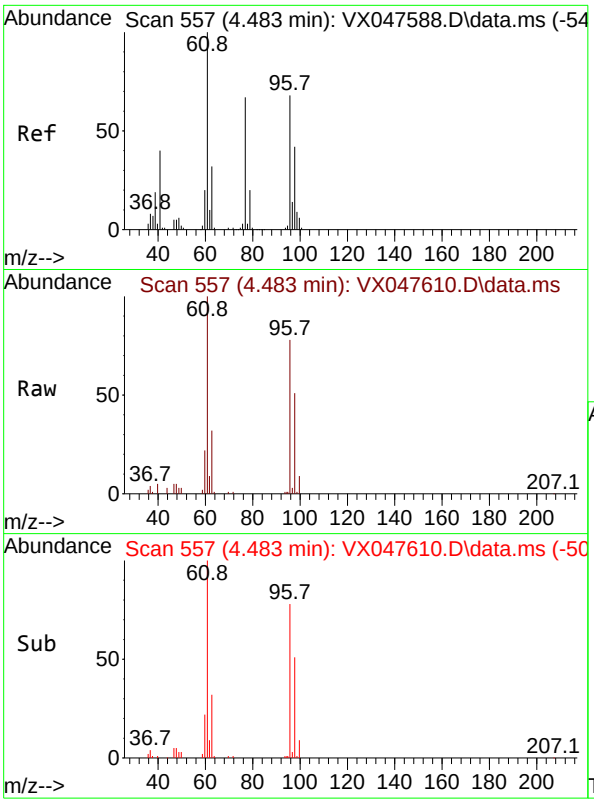


#19
Methyl tert-butyl Ether
Concen: 0.749 ug/l
RT: 3.117 min Scan# 333
Delta R.T. 0.006 min
Lab File: VX047610.D
Acq: 17 Sep 2025 12:21

Tgt Ion: 73 Resp: 5702

Ion	Ratio	Lower	Upper
73	100		
57	32.1	17.4	26.2#



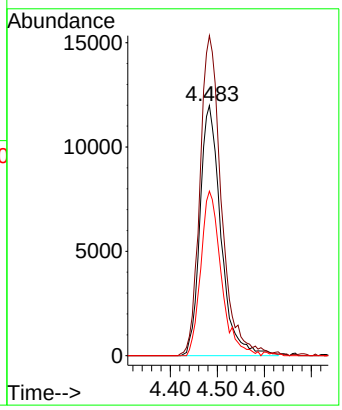


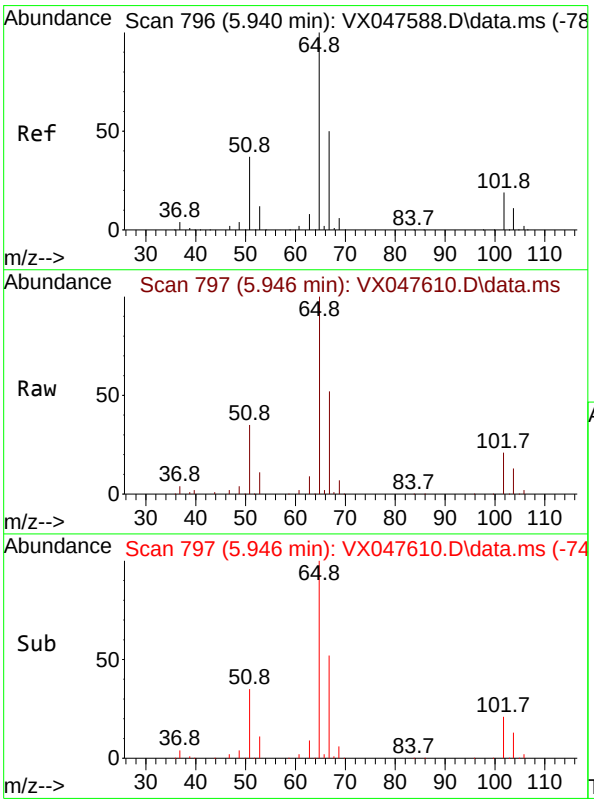
#27
cis-1,2-Dichloroethene
Concen: 13.480 ug/l
RT: 4.483 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX047610.D
Acq: 17 Sep 2025 12:21

Instrument :
MSVOA_X
ClientSampleId :
MW179D1-20250908

Tgt Ion: 96 Resp: 37070

Ion	Ratio	Lower	Upper
96	100		
61	131.2	0.0	303.2
98	64.1	0.0	127.8

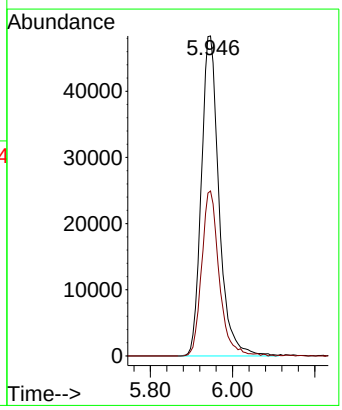


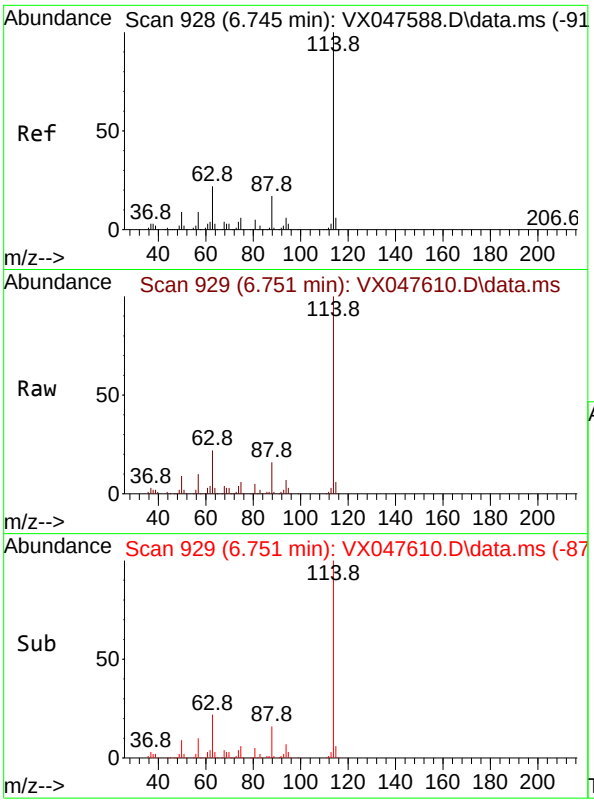


#33
1,2-Dichloroethane-d4
Concen: 51.582 ug/l
RT: 5.946 min Scan# 797
Delta R.T. 0.006 min
Lab File: VX047610.D
Acq: 17 Sep 2025 12:21

Tgt Ion: 65 Resp: 144135

Ion	Ratio	Lower	Upper
65	100		
67	51.3	0.0	103.0



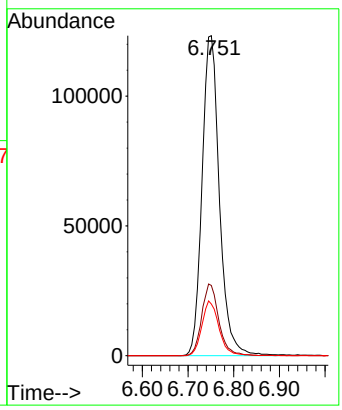


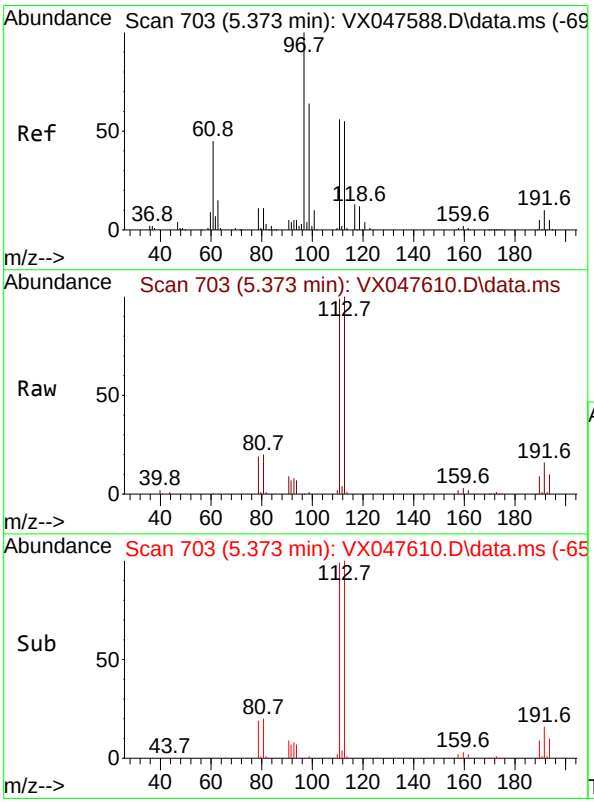
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 9
Delta R.T. 0.006 min
Lab File: VX047610.D
Acq: 17 Sep 2025 12:21

Instrument :
MSVOA_X
ClientSampleId :
MW179D1-20250908

Tgt Ion:114 Resp: 325614

Ion	Ratio	Lower	Upper
114	100		
63	22.0	0.0	44.0
88	16.2	0.0	34.2

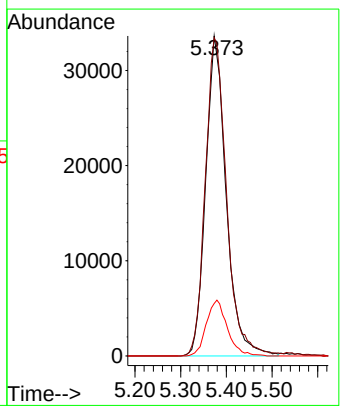


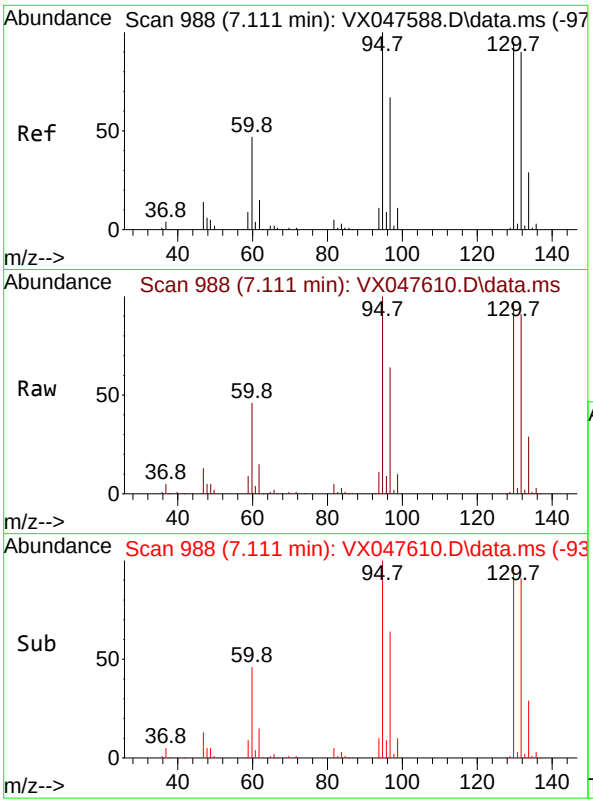


#35
Dibromofluoromethane
Concen: 47.896 ug/l
RT: 5.373 min Scan# 703
Delta R.T. 0.000 min
Lab File: VX047610.D
Acq: 17 Sep 2025 12:21

Tgt Ion:113 Resp: 104593

Ion	Ratio	Lower	Upper
113	100		
111	103.5	80.9	121.3
192	17.9	14.2	21.4



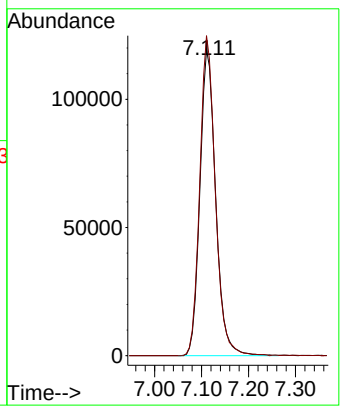


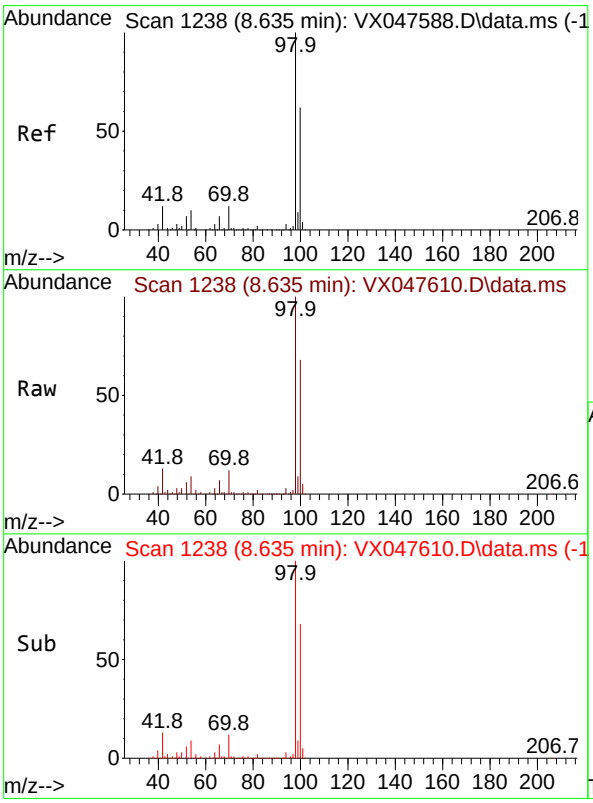
#44
Trichloroethene
Concen: 118.787 ug/l
RT: 7.111 min Scan# 9
Delta R.T. 0.000 min
Lab File: VX047610.D
Acq: 17 Sep 2025 12:21

Instrument :
MSVOA_X
ClientSampleId :
MW179D1-20250908

Tgt Ion:130 Resp: 278331

Ion	Ratio	Lower	Upper
130	100		
95	104.6	0.0	210.8

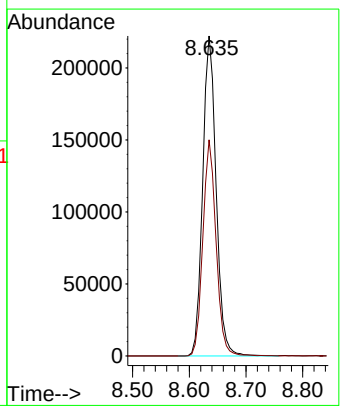


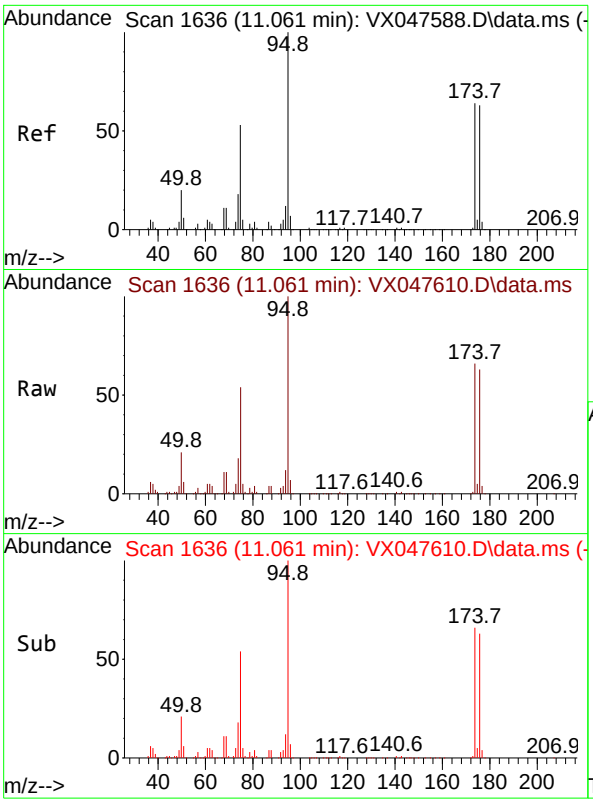


#50
Toluene-d8
Concen: 48.483 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. 0.000 min
Lab File: VX047610.D
Acq: 17 Sep 2025 12:21

Tgt Ion: 98 Resp: 366349

Ion	Ratio	Lower	Upper
98	100		
100	66.3	53.0	79.4



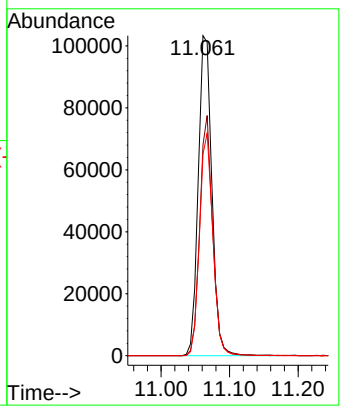


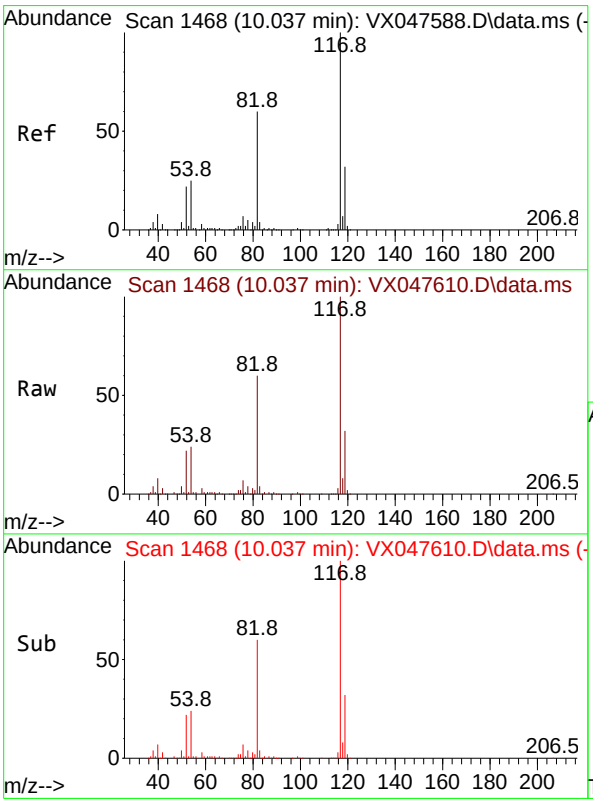
#62
4-Bromofluorobenzene
Concen: 50.020 ug/l
RT: 11.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047610.D
Acq: 17 Sep 2025 12:21

Instrument :
MSVOA_X
ClientSampleId :
MW179D1-20250908

Tgt Ion: 95 Resp: 143443

Ion	Ratio	Lower	Upper
95	100		
174	70.7	0.0	141.6
176	68.0	0.0	138.4

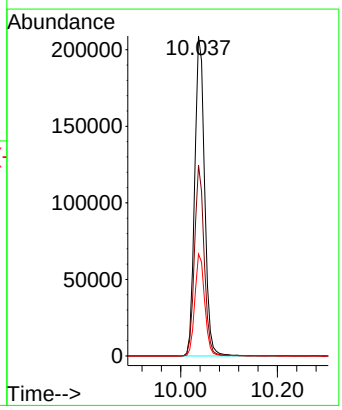


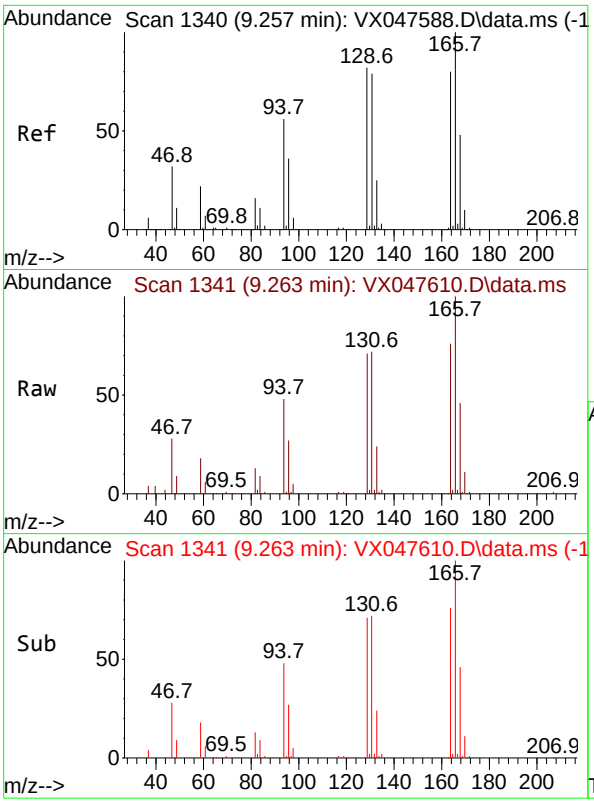


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. 0.000 min
Lab File: VX047610.D
Acq: 17 Sep 2025 12:21

Tgt Ion:117 Resp: 296492

Ion	Ratio	Lower	Upper
117	100		
82	59.6	47.8	71.6
119	31.9	25.2	37.8



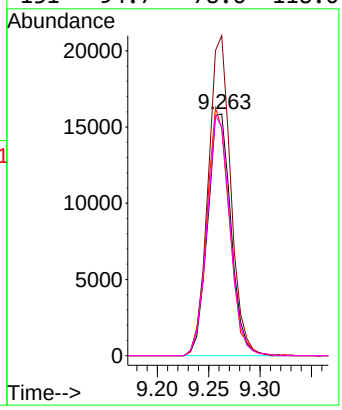


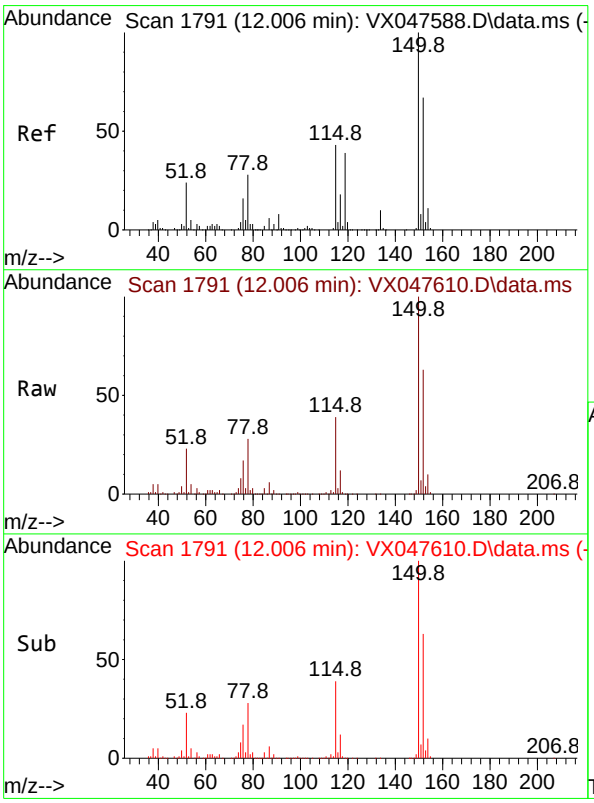
#64
Tetrachloroethene
Concen: 12.958 ug/l
RT: 9.263 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047610.D
Acq: 17 Sep 2025 12:21

Instrument :
MSVOA_X
ClientSampleId :
MW179D1-20250908

Tgt Ion:164 Resp: 25046

Ion	Ratio	Lower	Upper
164	100		
166	132.4	100.2	150.2
129	94.0	81.8	122.6
131	94.7	78.6	118.0

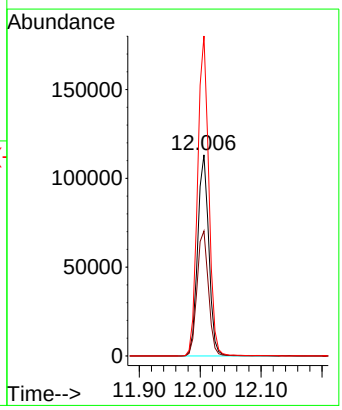




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX047610.D
Acq: 17 Sep 2025 12:21

Tgt Ion:152 Resp: 143935

Ion	Ratio	Lower	Upper
152	100		
115	63.6	44.9	134.5
150	159.0	0.0	352.0



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:	09/09/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/12/25
Client Sample ID:	MW203D2-20250909	SDG No.:	Q3095
Lab Sample ID:	Q3095-05	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047626.D	1	09/17/25 17:58	VX091725

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	1.20		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	5.80		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	2.00		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	0.46	J	0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.16	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	1.90		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:	09/09/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/12/25
Client Sample ID:	MW203D2-20250909	SDG No.:	Q3095
Lab Sample ID:	Q3095-05	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047626.D	1	09/17/25 17:58	VX091725

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	0.78	J	0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.12	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.15	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	55.0		81 - 118		110%	SPK: 50
1868-53-7	Dibromofluoromethane	51.3		80 - 119		103%	SPK: 50
2037-26-5	Toluene-d8	50.6		89 - 112		101%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.9		85 - 114		104%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	171000	5.544				
540-36-3	1,4-Difluorobenzene	323000	6.751				
3114-55-4	Chlorobenzene-d5	294000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	142000	12.006				

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:	09/09/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/12/25
Client Sample ID:	MW203D2-20250909	SDG No.:	Q3095
Lab Sample ID:	Q3095-05	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047626.D	1	09/17/25 17:58	VX091725

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\VX091725\
Data File : VX047626.D
Acq On : 17 Sep 2025 17:58
Operator : JC/MD
Sample : Q3095-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909

Quant Time: Sep 18 02:08:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

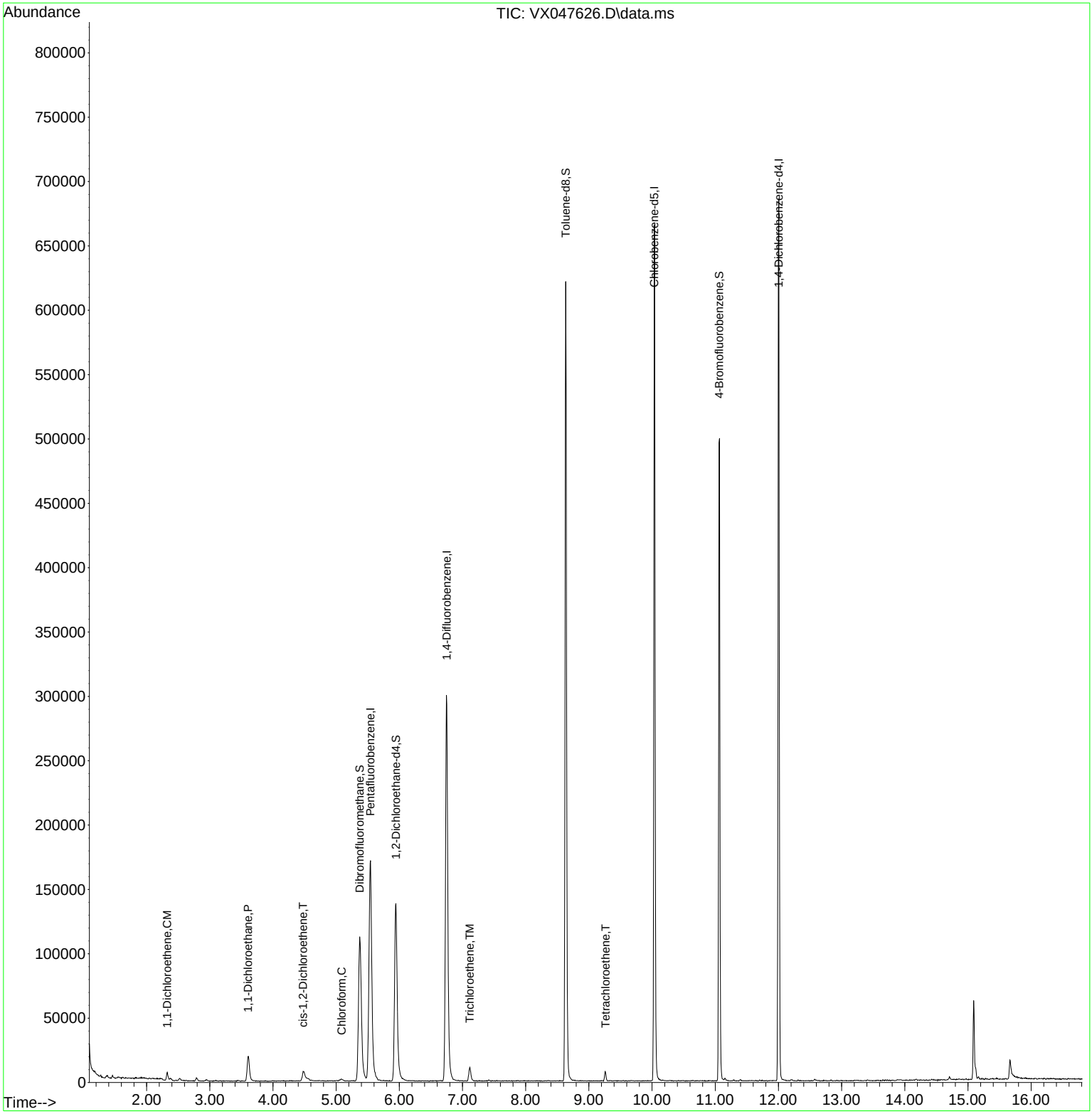
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	171023	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	322993	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	293629	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	141573	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	149755	55.011	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 110.020%			
35) Dibromofluoromethane	5.373	113	111052	51.267	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.540%			
50) Toluene-d8	8.635	98	379589	50.643	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 101.280%			
62) 4-Bromofluorobenzene	11.061	95	147498	51.851	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 103.700%			
Target Compounds						Qvalue
12) 1,1-Dichloroethene	2.325	96	2365	1.164	ug/l	79
24) 1,1-Dichloroethane	3.605	63	25235	5.843	ug/l	94
27) cis-1,2-Dichloroethene	4.477	96	5410	2.019	ug/l	89
30) Chloroform	5.086	83	2003	0.459	ug/l	91
44) Trichloroethene	7.117	130	4409	1.897	ug/l	84
64) Tetrachloroethene	9.263	164	1492	0.779	ug/l #	86

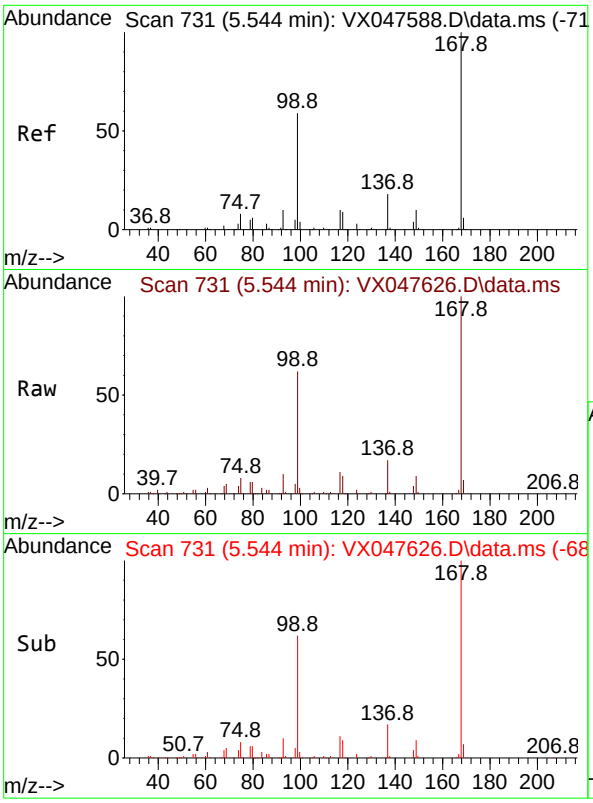
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091725\
Data File : VX047626.D
Acq On : 17 Sep 2025 17:58
Operator : JC/MD
Sample : Q3095-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909

Quant Time: Sep 18 02:08:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



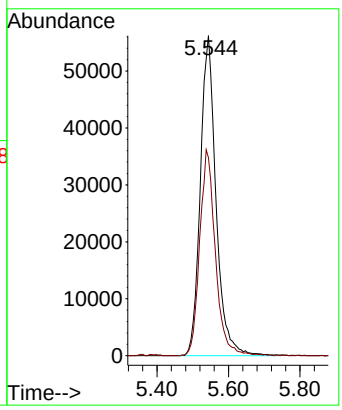


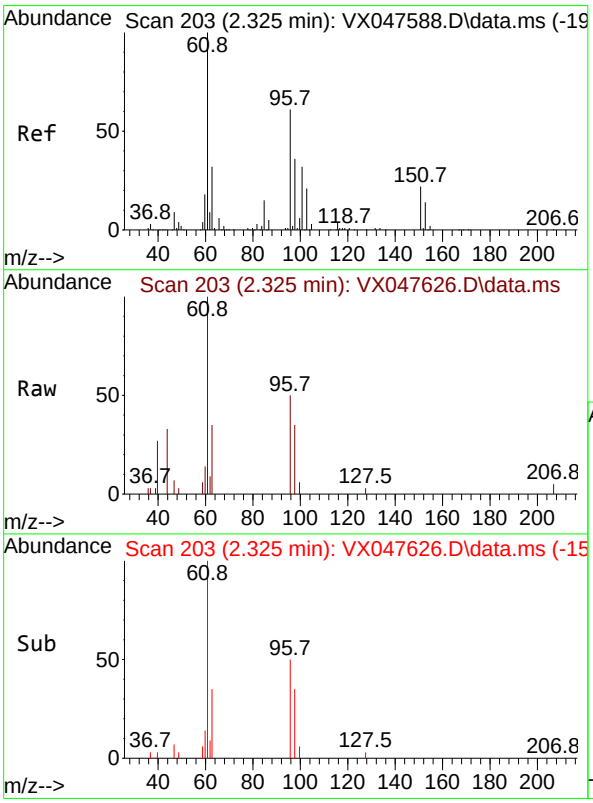
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047626.D
Acq: 17 Sep 2025 17:58

Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909

Tgt Ion:168 Resp: 171023

Ion	Ratio	Lower	Upper
168	100		
99	61.9	48.8	73.2

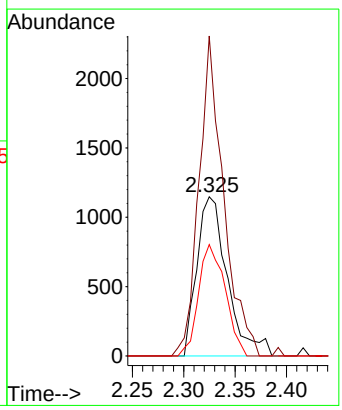


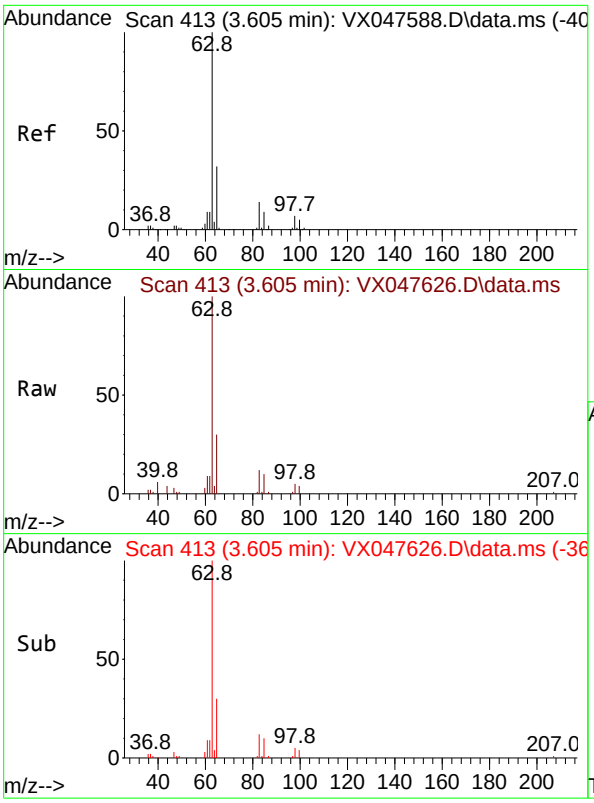


#12
1,1-Dichloroethene
Concen: 1.164 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX047626.D
Acq: 17 Sep 2025 17:58

Tgt Ion: 96 Resp: 2365

Ion	Ratio	Lower	Upper
96	100		
61	195.8	131.0	196.6
98	69.9	47.7	71.5



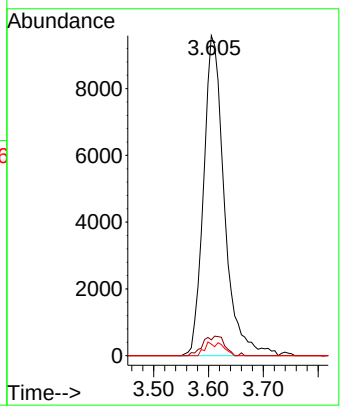


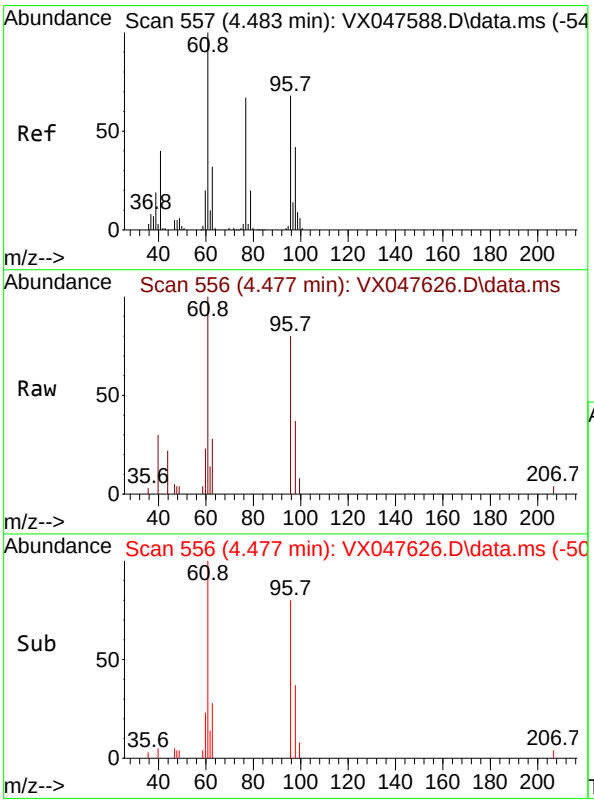
#24
1,1-Dichloroethane
Concen: 5.843 ug/l
RT: 3.605 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX047626.D
Acq: 17 Sep 2025 17:58

Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909

Tgt Ion: 63 Resp: 25235

Ion	Ratio	Lower	Upper
63	100		
98	5.0	3.8	11.2
100	3.6	2.3	6.9

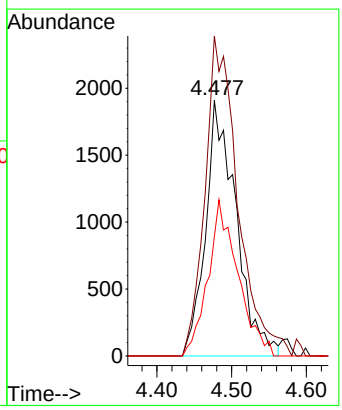


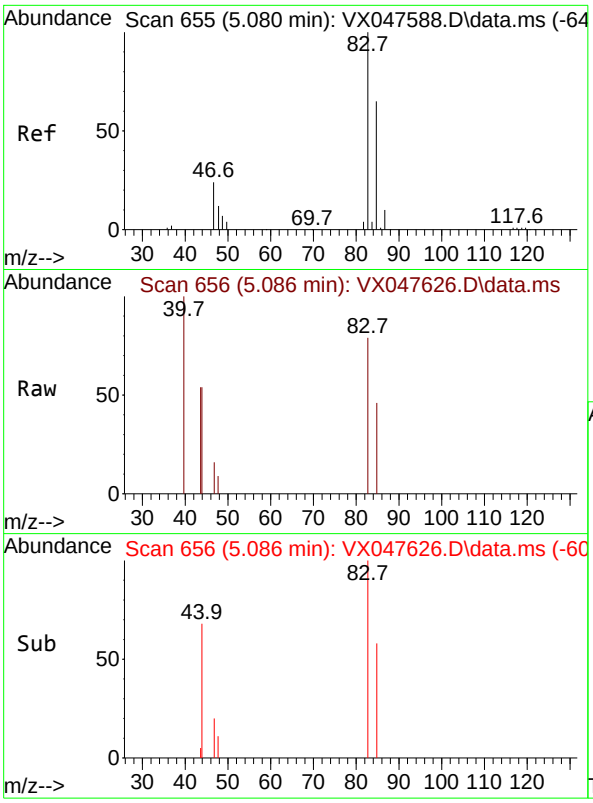


#27
cis-1,2-Dichloroethene
Concen: 2.019 ug/l
RT: 4.477 min Scan# 556
Delta R.T. -0.006 min
Lab File: VX047626.D
Acq: 17 Sep 2025 17:58

Tgt Ion: 96 Resp: 5410

Ion	Ratio	Lower	Upper
96	100		
61	134.9	0.0	303.2
98	60.0	0.0	127.8



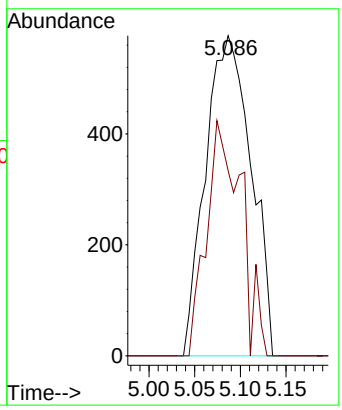


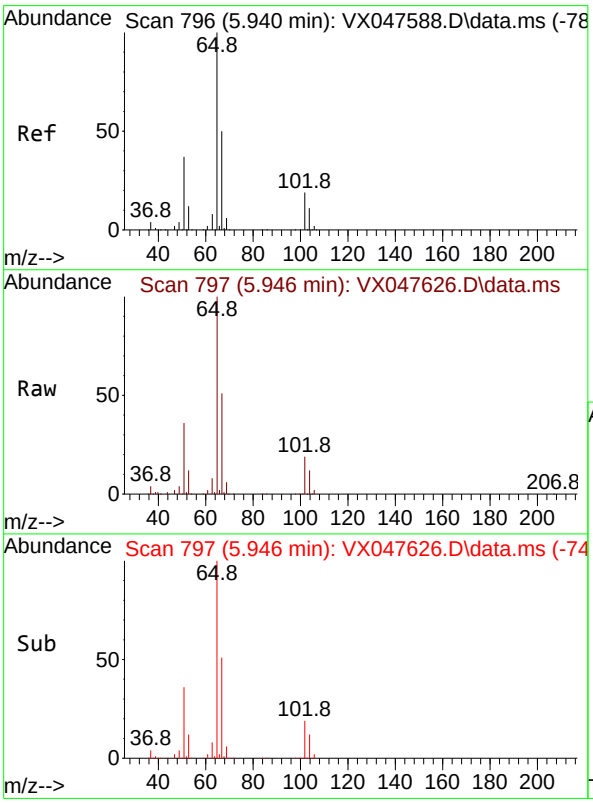
#30
Chloroform
Concen: 0.459 ug/l
RT: 5.086 min Scan# 6
Delta R.T. 0.006 min
Lab File: VX047626.D
Acq: 17 Sep 2025 17:58

Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909

Tgt Ion: 83 Resp: 2003

Ion	Ratio	Lower	Upper
83	100		
85	57.9	51.8	77.6

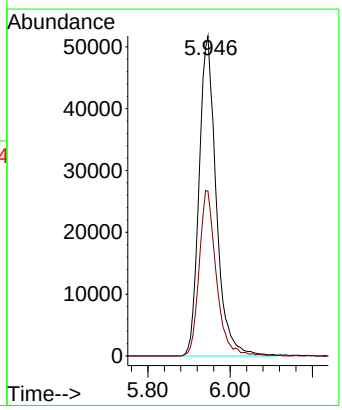


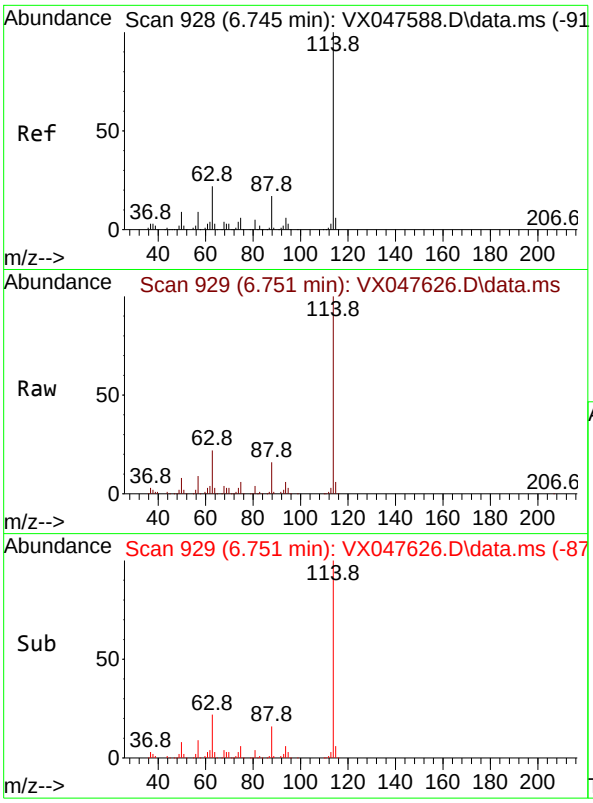


#33
1,2-Dichloroethane-d4
Concen: 55.011 ug/l
RT: 5.946 min Scan# 797
Delta R.T. 0.006 min
Lab File: VX047626.D
Acq: 17 Sep 2025 17:58

Tgt Ion: 65 Resp: 149755

Ion	Ratio	Lower	Upper
65	100		
67	51.5	0.0	103.0



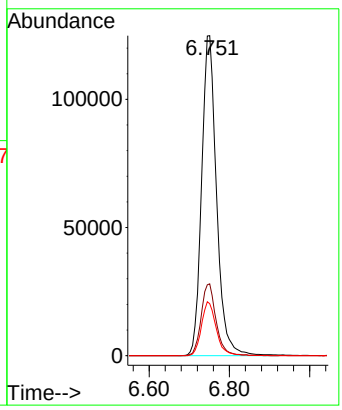


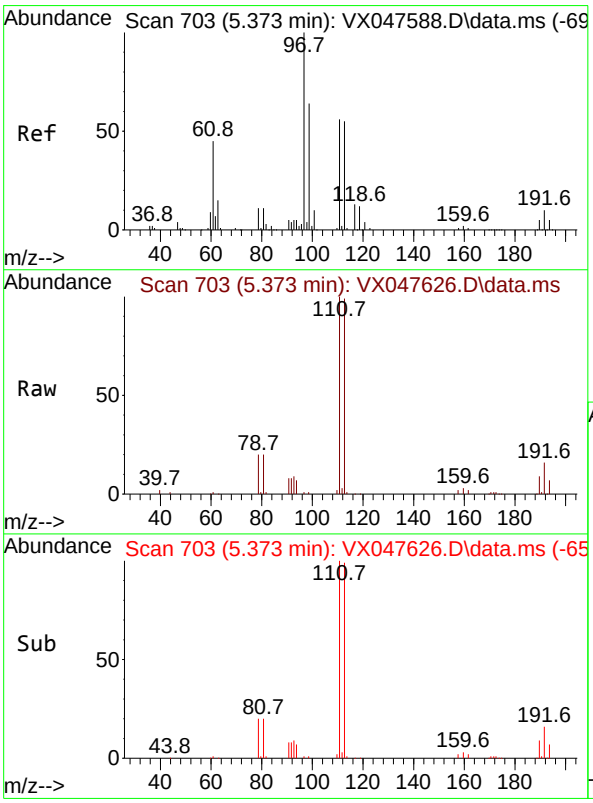
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 9
Delta R.T. 0.006 min
Lab File: VX047626.D
Acq: 17 Sep 2025 17:58

Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909

Tgt Ion:114 Resp: 322993

Ion	Ratio	Lower	Upper
114	100		
63	22.4	0.0	44.0
88	16.3	0.0	34.2

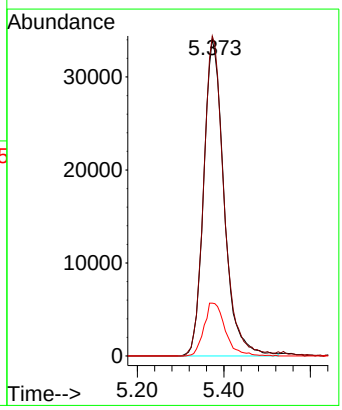


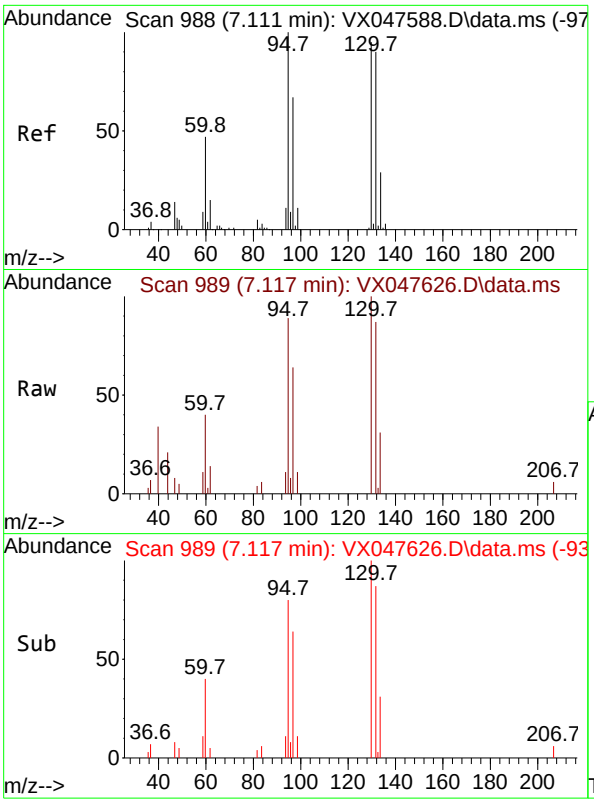


#35
Dibromofluoromethane
Concen: 51.267 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX047626.D
Acq: 17 Sep 2025 17:58

Tgt Ion:113 Resp: 111052

Ion	Ratio	Lower	Upper
113	100		
111	100.8	80.9	121.3
192	17.5	14.2	21.4



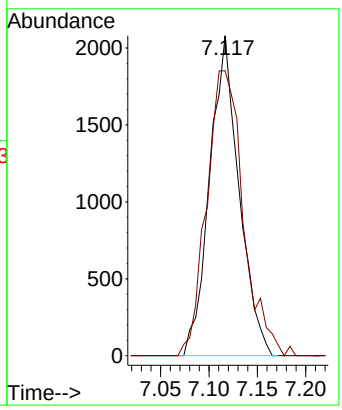


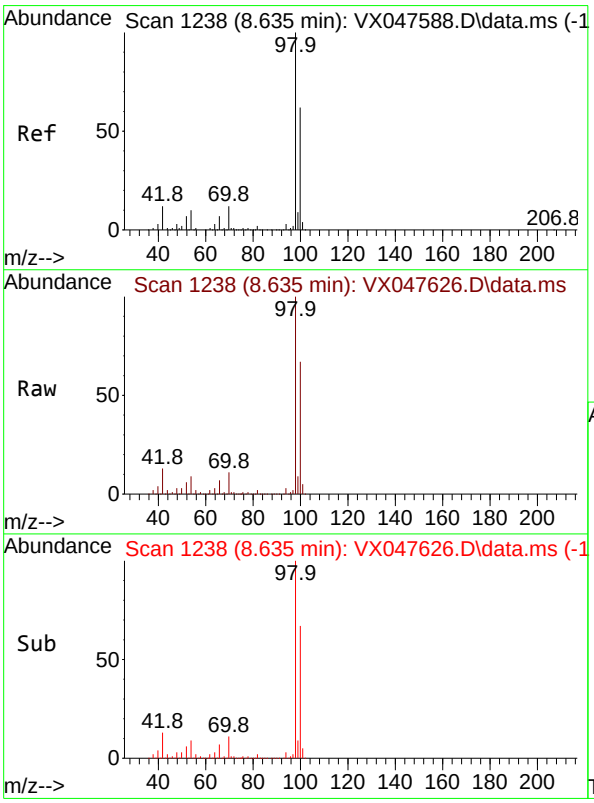
#44
Trichloroethene
Concen: 1.897 ug/l
RT: 7.117 min Scan# 9
Delta R.T. 0.006 min
Lab File: VX047626.D
Acq: 17 Sep 2025 17:58

Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909

Tgt Ion:130 Resp: 4409

Ion	Ratio	Lower	Upper
130	100		
95	89.0	0.0	210.8

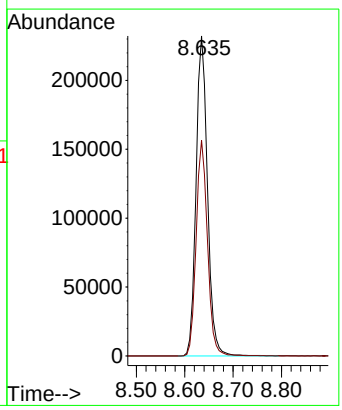


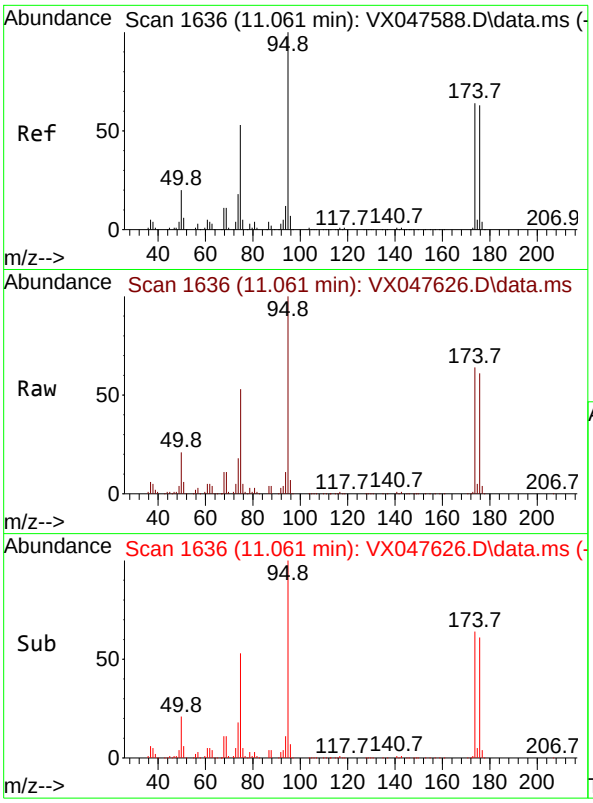


#50
Toluene-d8
Concen: 50.643 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX047626.D
Acq: 17 Sep 2025 17:58

Tgt Ion: 98 Resp: 379589

Ion	Ratio	Lower	Upper
98	100		
100	67.1	53.0	79.4



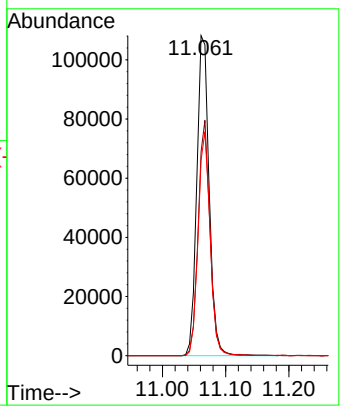


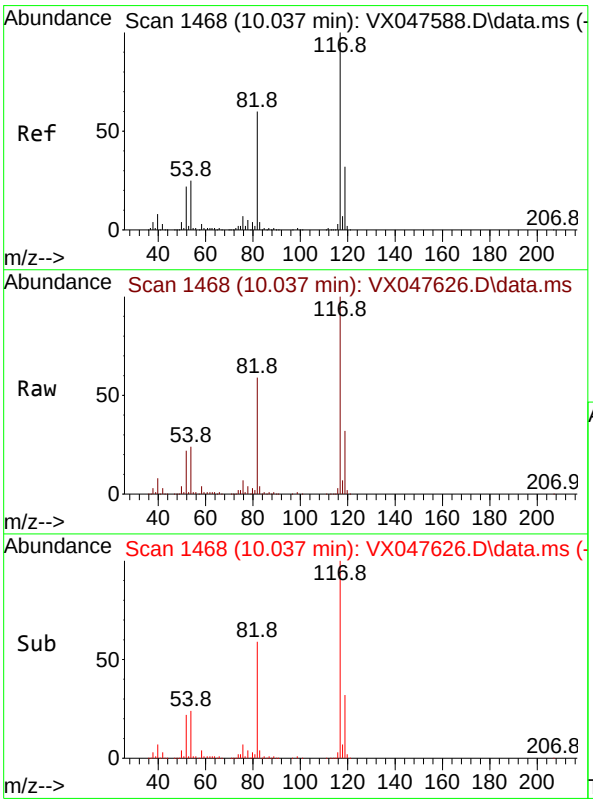
#62
4-Bromofluorobenzene
Concen: 51.851 ug/l
RT: 11.061 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047626.D
Acq: 17 Sep 2025 17:58

Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909

Tgt Ion: 95 Resp: 147498

Ion	Ratio	Lower	Upper
95	100		
174	70.1	0.0	141.6
176	68.0	0.0	138.4

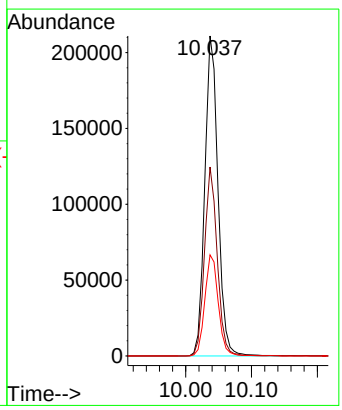


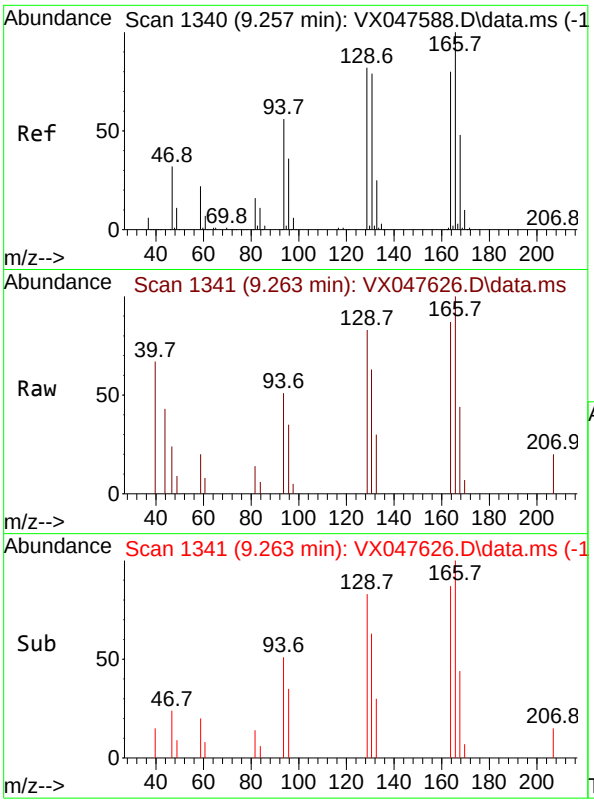


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX047626.D
Acq: 17 Sep 2025 17:58

Tgt Ion:117 Resp: 293629

Ion	Ratio	Lower	Upper
117	100		
82	59.1	47.8	71.6
119	31.6	25.2	37.8



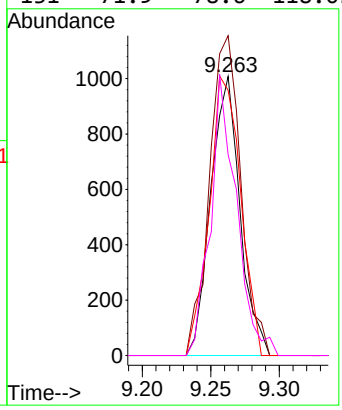


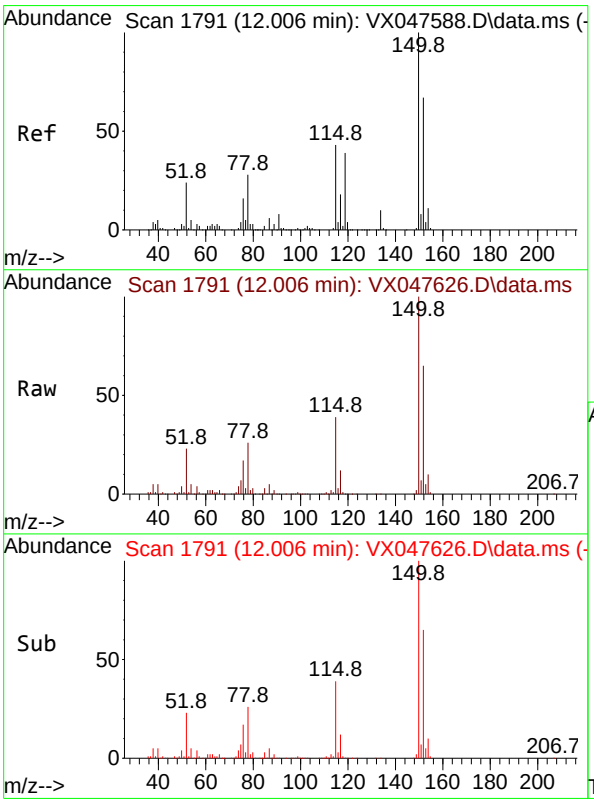
#64
Tetrachloroethene
Concen: 0.779 ug/l
RT: 9.263 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047626.D
Acq: 17 Sep 2025 17:58

Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909

Tgt Ion:164 Resp: 1492

Ion	Ratio	Lower	Upper
164	100		
166	114.6	100.2	150.2
129	95.0	81.8	122.6
131	71.9	78.6	118.0#

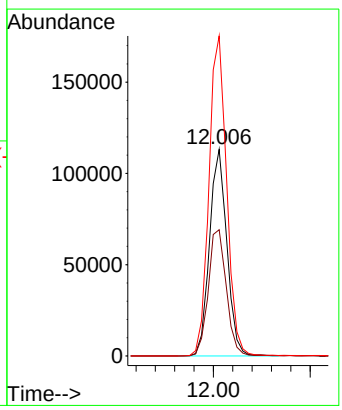




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047626.D
Acq: 17 Sep 2025 17:58

Tgt Ion:152 Resp: 141573

Ion	Ratio	Lower	Upper
152	100		
115	63.7	44.9	134.5
150	157.6	0.0	352.0



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:	09/09/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/12/25
Client Sample ID:	MW203D1-20250909	SDG No.:	Q3095
Lab Sample ID:	Q3095-08	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047611.D	1	09/17/25 12:42	VX091725

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	5.90		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	0.92	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	12.2		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	0.85	J	0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	2.00		0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.16	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	4.60		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:	09/09/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/12/25
Client Sample ID:	MW203D1-20250909	SDG No.:	Q3095
Lab Sample ID:	Q3095-08	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047611.D	1	09/17/25 12:42	VX091725

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	1.90		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	54.5		81 - 118		109%	SPK: 50
1868-53-7	Dibromofluoromethane	50.9		80 - 119		102%	SPK: 50
2037-26-5	Toluene-d8	51.4		89 - 112		103%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.1		85 - 114		106%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	173000	5.544				
540-36-3	1,4-Difluorobenzene	324000	6.751				
3114-55-4	Chlorobenzene-d5	295000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	144000	12.006				

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:	09/09/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/12/25
Client Sample ID:	MW203D1-20250909	SDG No.:	Q3095
Lab Sample ID:	Q3095-08	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047611.D	1	09/17/25 12:42	VX091725

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\VX091725\
Data File : VX047611.D
Acq On : 17 Sep 2025 12:42
Operator : JC/MD
Sample : Q3095-08
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW203D1-20250909

Quant Time: Sep 18 02:03:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

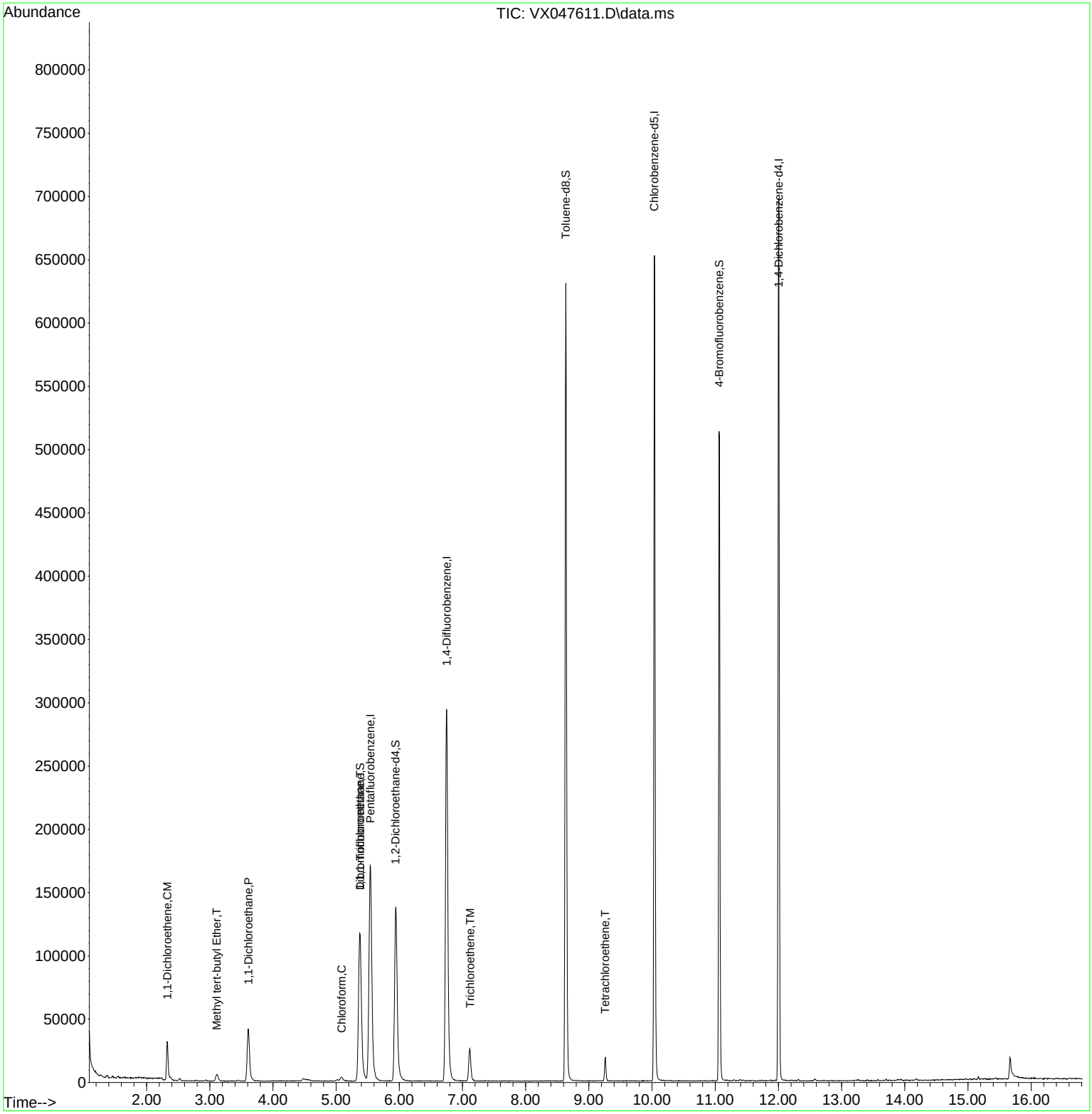
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	173264	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	324366	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	294888	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	144060	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	150415	54.539	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 109.080%			
35) Dibromofluoromethane	5.379	113	110705	50.890	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.780%			
50) Toluene-d8	8.635	98	386684	51.371	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 102.740%			
62) 4-Bromofluorobenzene	11.061	95	151703	53.104	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 106.200%			
Target Compounds						Qvalue
12) 1,1-Dichloroethene	2.331	96	12155	5.905	ug/l	92
19) Methyl tert-butyl Ether	3.111	73	6881	0.916	ug/l	98
24) 1,1-Dichloroethane	3.611	63	53206	12.159	ug/l	99
30) Chloroform	5.086	83	3770	0.853	ug/l	97
32) 1,1,1-Trichloroethane	5.379	97	7492	1.998	ug/l	98
44) Trichloroethene	7.123	130	10776	4.617	ug/l	95
64) Tetrachloroethene	9.256	164	3658	1.903	ug/l	95

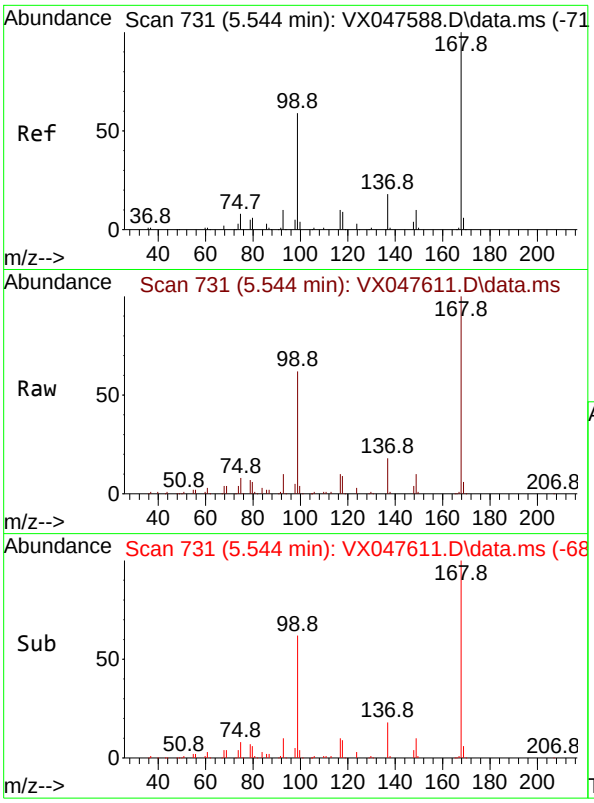
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091725\
Data File : VX047611.D
Acq On : 17 Sep 2025 12:42
Operator : JC/MD
Sample : Q3095-08
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW203D1-20250909

Quant Time: Sep 18 02:03:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



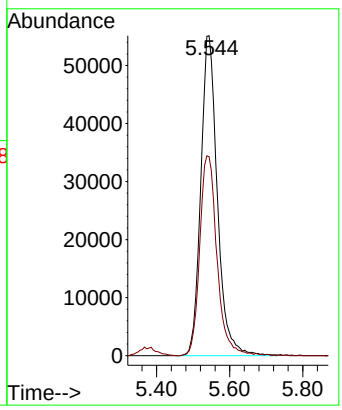


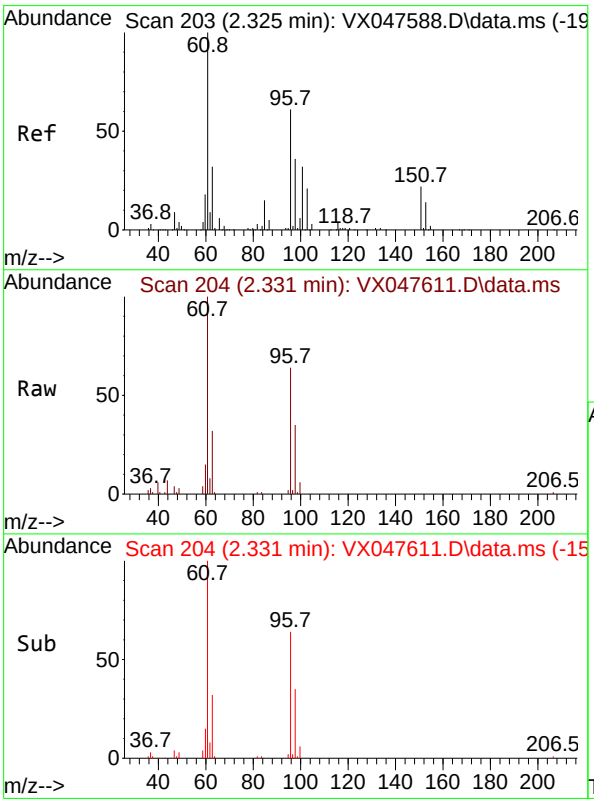
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047611.D
Acq: 17 Sep 2025 12:42

Instrument :
MSVOA_X
ClientSampleId :
MW203D1-20250909

Tgt Ion:168 Resp: 173264

Ion	Ratio	Lower	Upper
168	100		
99	62.2	48.8	73.2

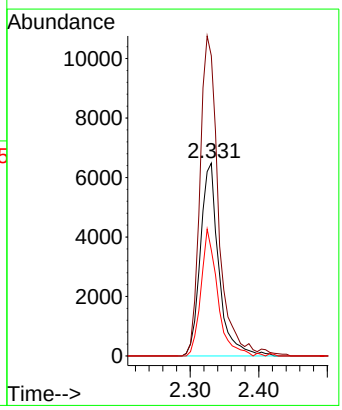


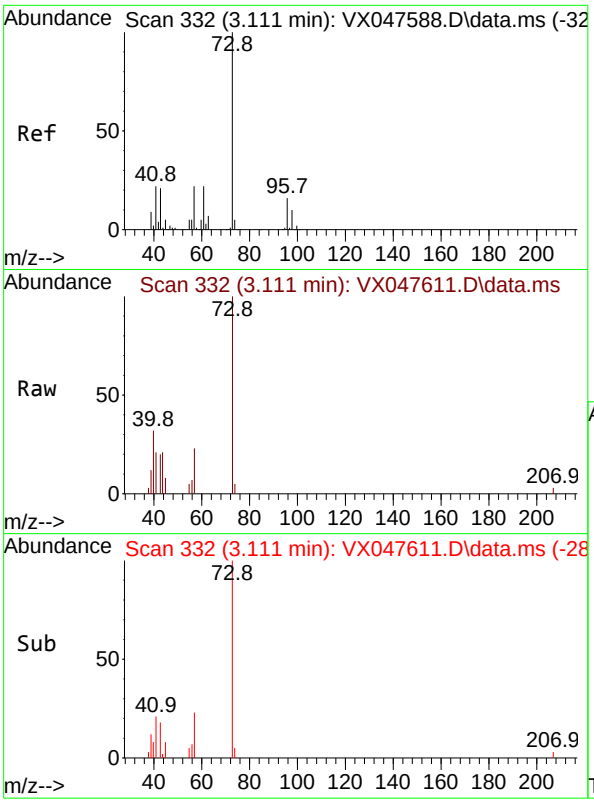


#12
1,1-Dichloroethene
Concen: 5.905 ug/l
RT: 2.331 min Scan# 204
Delta R.T. 0.006 min
Lab File: VX047611.D
Acq: 17 Sep 2025 12:42

Tgt Ion: 96 Resp: 12155

Ion	Ratio	Lower	Upper
96	100		
61	151.6	131.0	196.6
98	55.5	47.7	71.5



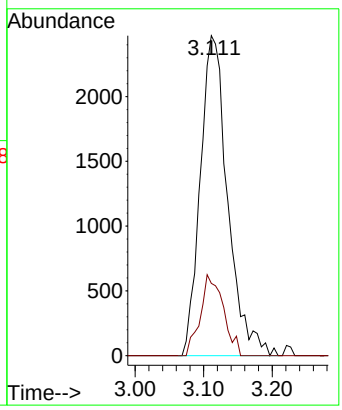


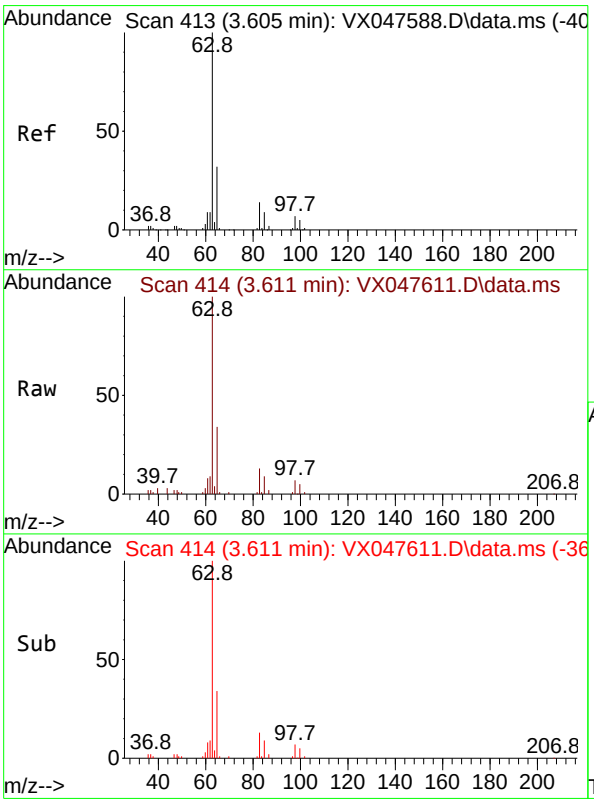
#19
Methyl tert-butyl Ether
Concen: 0.916 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047611.D
Acq: 17 Sep 2025 12:42

Instrument :
MSVOA_X
ClientSampleId :
MW203D1-20250909

Tgt Ion: 73 Resp: 6881

Ion	Ratio	Lower	Upper
73	100		
57	22.6	17.4	26.2

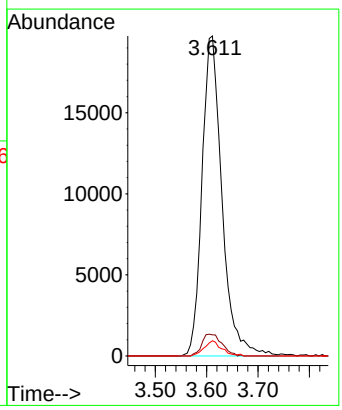


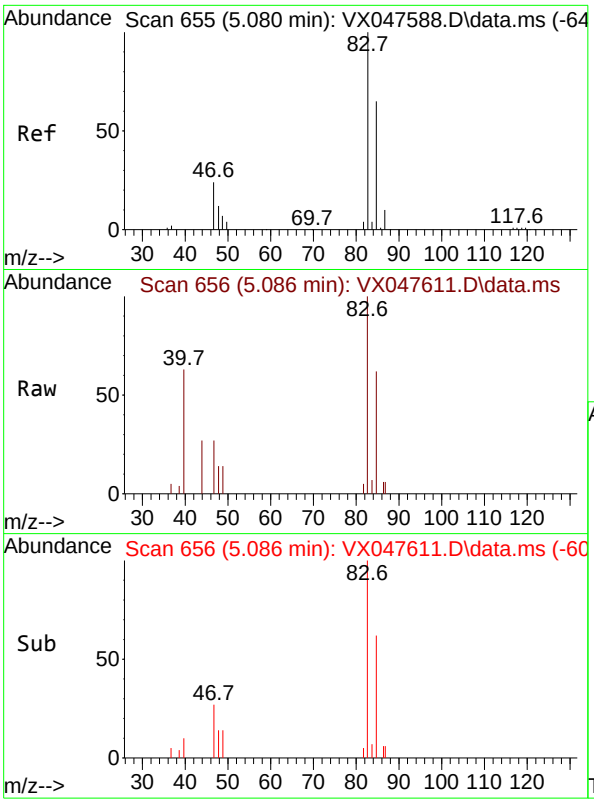


#24
1,1-Dichloroethane
Concen: 12.159 ug/l
RT: 3.611 min Scan# 414
Delta R.T. 0.006 min
Lab File: VX047611.D
Acq: 17 Sep 2025 12:42

Tgt Ion: 63 Resp: 53206

Ion	Ratio	Lower	Upper
63	100		
98	7.1	3.8	11.2
100	4.7	2.3	6.9



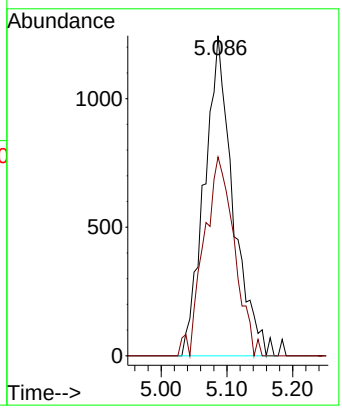


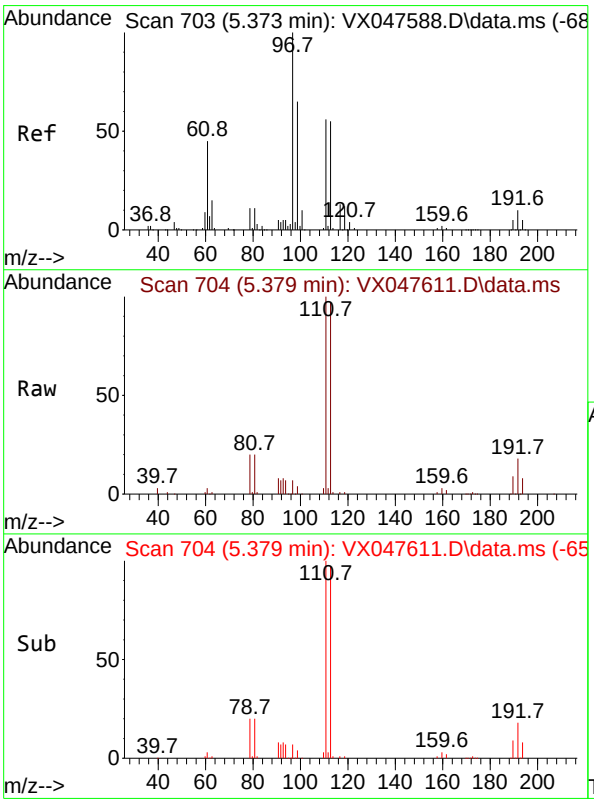
#30
Chloroform
Concen: 0.853 ug/l
RT: 5.086 min Scan# 6
Delta R.T. 0.006 min
Lab File: VX047611.D
Acq: 17 Sep 2025 12:42

Instrument :
MSVOA_X
ClientSampleId :
MW203D1-20250909

Tgt Ion: 83 Resp: 3770

Ion	Ratio	Lower	Upper
83	100		
85	62.1	51.8	77.6

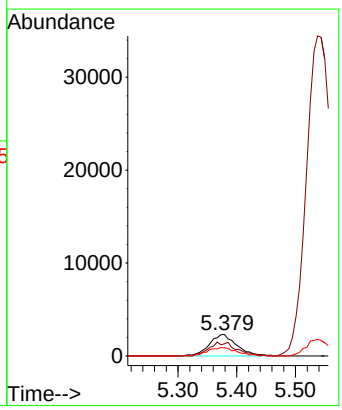


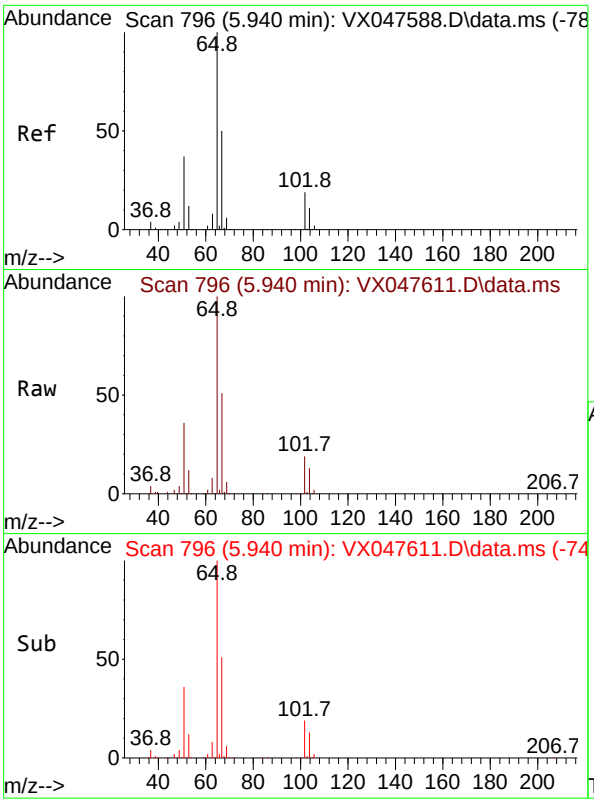


#32
1,1,1-Trichloroethane
Concen: 1.998 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX047611.D
Acq: 17 Sep 2025 12:42

Tgt Ion: 97 Resp: 7492

Ion	Ratio	Lower	Upper
97	100		
99	63.7	50.6	76.0
61	41.6	35.8	53.8



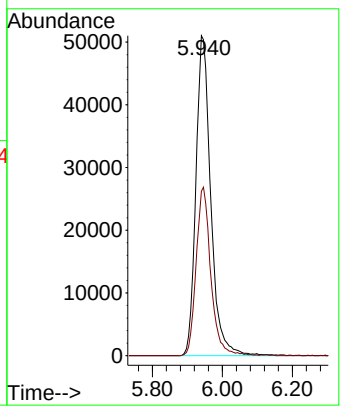


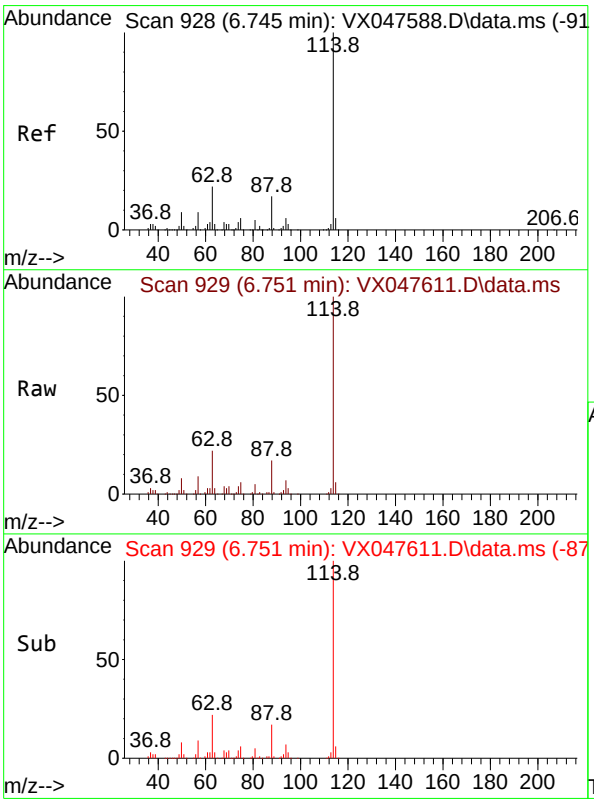
#33
1,2-Dichloroethane-d4
Concen: 54.539 ug/l
RT: 5.940 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047611.D
Acq: 17 Sep 2025 12:42

Instrument :
MSVOA_X
ClientSampleId :
MW203D1-20250909

Tgt Ion: 65 Resp: 150415

Ion	Ratio	Lower	Upper
65	100		
67	51.9	0.0	103.0

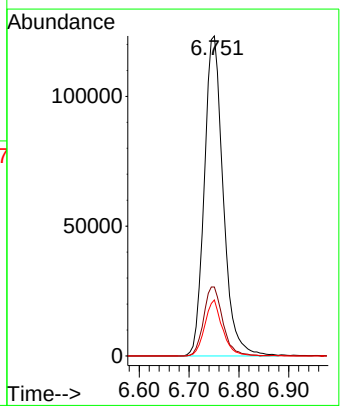


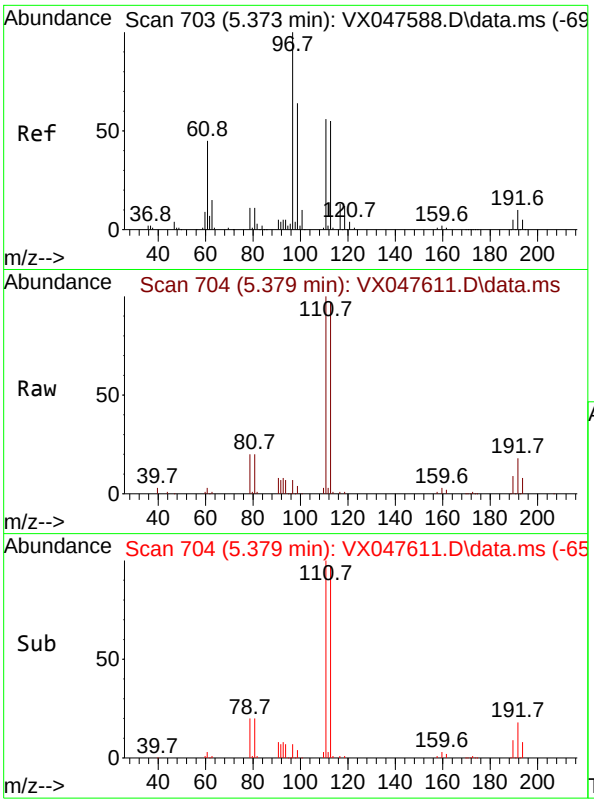


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 929
Delta R.T. 0.006 min
Lab File: VX047611.D
Acq: 17 Sep 2025 12:42

Tgt Ion:114 Resp: 324366

Ion	Ratio	Lower	Upper
114	100		
63	21.5	0.0	44.0
88	17.5	0.0	34.2



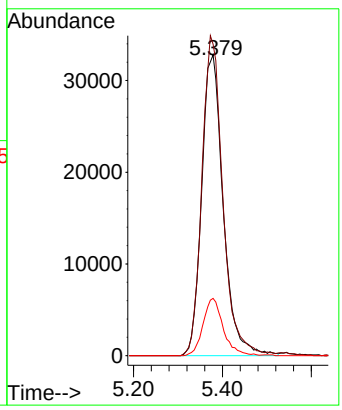


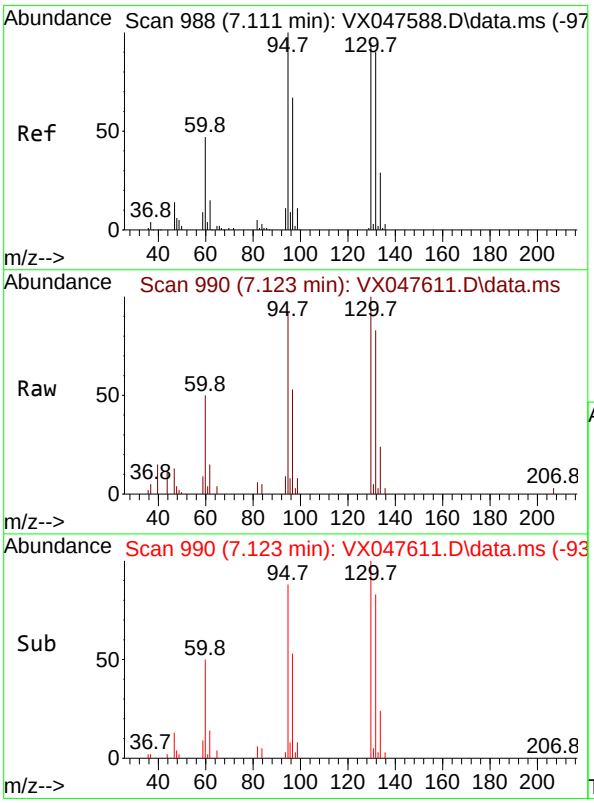
#35
Dibromofluoromethane
Concen: 50.890 ug/l
RT: 5.379 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047611.D
Acq: 17 Sep 2025 12:42

Instrument :
MSVOA_X
ClientSampleId :
MW203D1-20250909

Tgt Ion:113 Resp: 110705

Ion	Ratio	Lower	Upper
113	100		
111	102.7	80.9	121.3
192	17.9	14.2	21.4

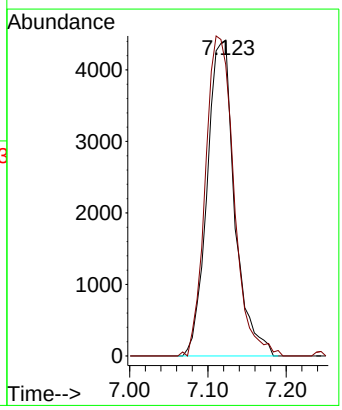


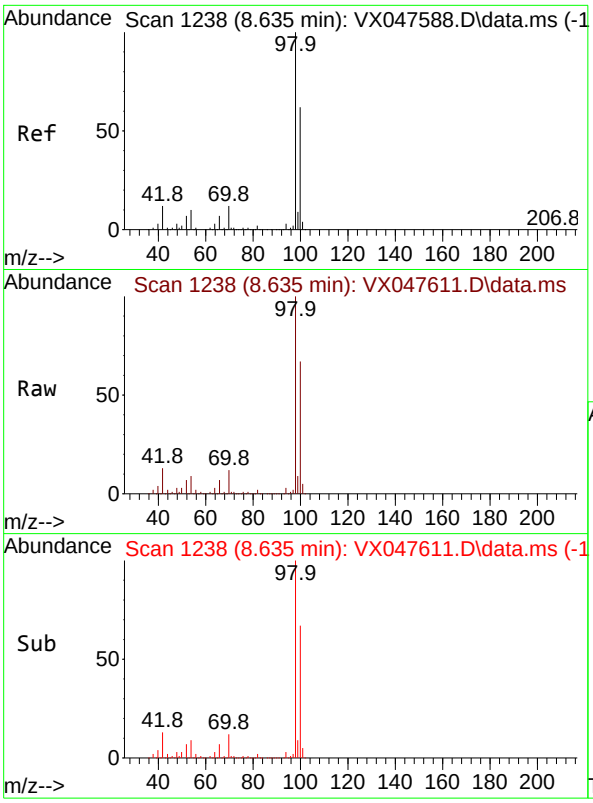


#44
Trichloroethene
Concen: 4.617 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.012 min
Lab File: VX047611.D
Acq: 17 Sep 2025 12:42

Tgt Ion:130 Resp: 10776

Ion	Ratio	Lower	Upper
130	100		
95	100.5	0.0	210.8



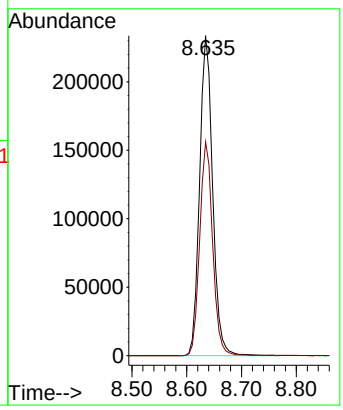


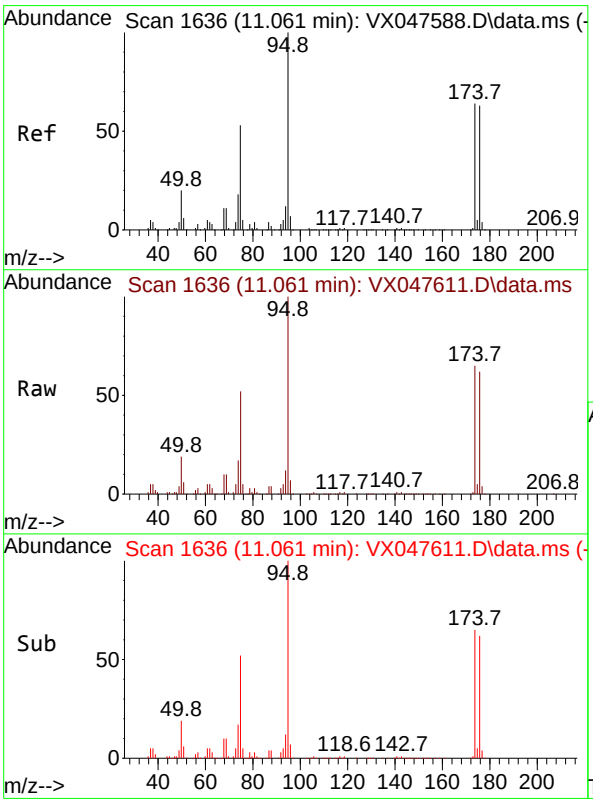
#50
Toluene-d8
Concen: 51.371 ug/l
RT: 8.635 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047611.D
Acq: 17 Sep 2025 12:42

Instrument :
MSVOA_X
ClientSampleId :
MW203D1-20250909

Tgt Ion: 98 Resp: 386684

Ion	Ratio	Lower	Upper
98	100		
100	66.4	53.0	79.4

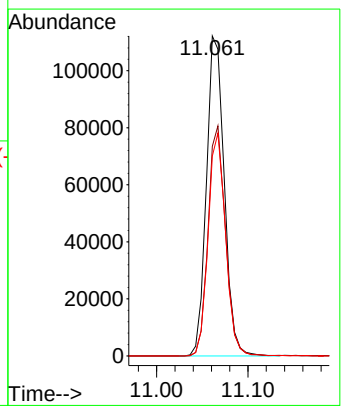


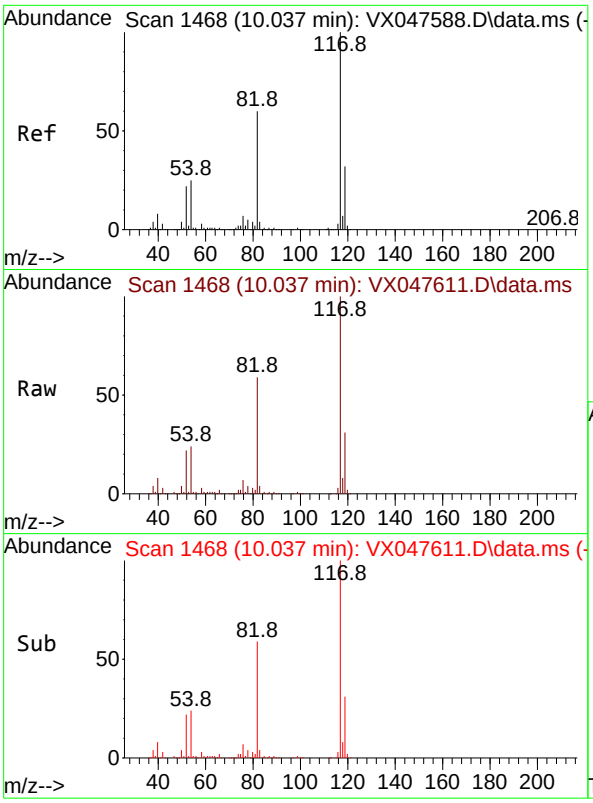


#62
4-Bromofluorobenzene
Concen: 53.104 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX047611.D
Acq: 17 Sep 2025 12:42

Tgt Ion: 95 Resp: 151703

Ion	Ratio	Lower	Upper
95	100		
174	70.0	0.0	141.6
176	68.2	0.0	138.4



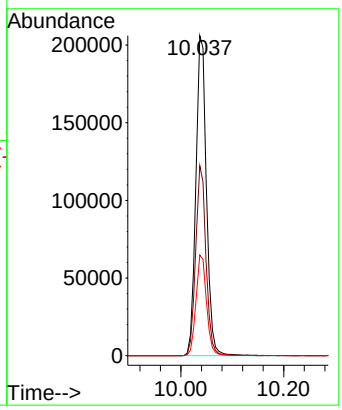


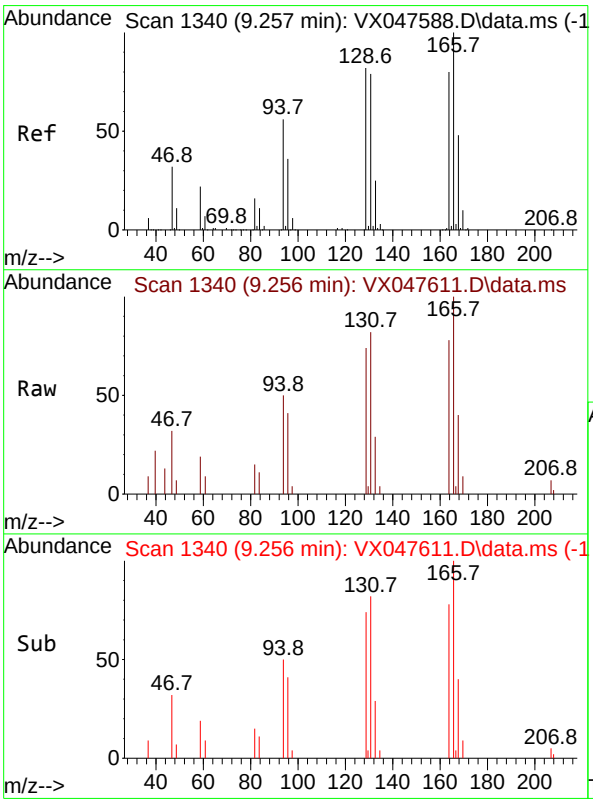
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047611.D
Acq: 17 Sep 2025 12:42

Instrument :
MSVOA_X
ClientSampleId :
MW203D1-20250909

Tgt Ion:117 Resp: 294888

Ion	Ratio	Lower	Upper
117	100		
82	59.3	47.8	71.6
119	31.5	25.2	37.8

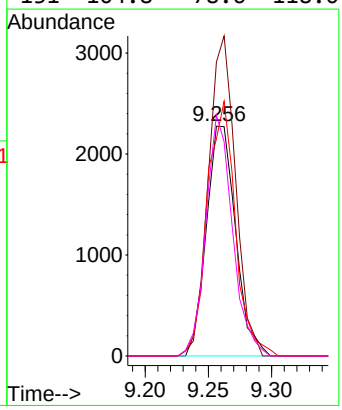


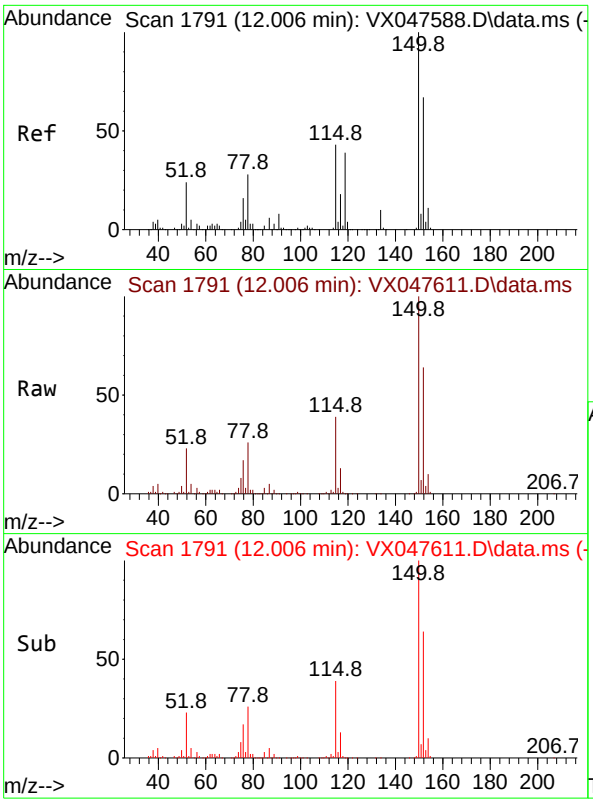


#64
Tetrachloroethene
Concen: 1.903 ug/l
RT: 9.256 min Scan# 1340
Delta R.T. -0.000 min
Lab File: VX047611.D
Acq: 17 Sep 2025 12:42

Tgt Ion:164 Resp: 3658

Ion	Ratio	Lower	Upper
164	100		
166	128.0	100.2	150.2
129	94.5	81.8	122.6
131	104.8	78.6	118.0



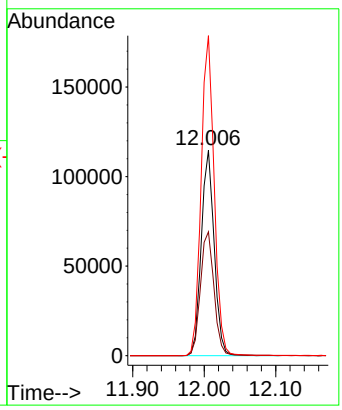


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047611.D
Acq: 17 Sep 2025 12:42

Instrument :
MSVOA_X
ClientSampleId :
MW203D1-20250909

Tgt Ion:152 Resp: 144060

Ion	Ratio	Lower	Upper
152	100		
115	63.3	44.9	134.5
150	157.3	0.0	352.0



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:	09/09/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/12/25
Client Sample ID:	MW179D2-20250909	SDG No.:	Q3095
Lab Sample ID:	Q3095-09	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047612.D	1	09/17/25 13:03	VX091725

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	1.30		0.23	0.75	1.00	ug/L
67-64-1	Acetone	3.80	U	1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.68	J	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	7.30		0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.68	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.14	0.50	1.00	ug/L

Alliance TECHNICAL GROUP
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:	09/09/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/12/25
Client Sample ID:	MW179D2-20250909	SDG No.:	Q3095
Lab Sample ID:	Q3095-09	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047612.D	1	09/17/25 13:03	VX091725

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	1.70		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	54.1		81 - 118		108%	SPK: 50
1868-53-7	Dibromofluoromethane	51.9		80 - 119		104%	SPK: 50
2037-26-5	Toluene-d8	52.1		89 - 112		104%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.6		85 - 114		109%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	178000	5.544				
540-36-3	1,4-Difluorobenzene	326000	6.751				
3114-55-4	Chlorobenzene-d5	295000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	145000	12.006				

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:	09/09/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/12/25
Client Sample ID:	MW179D2-20250909	SDG No.:	Q3095
Lab Sample ID:	Q3095-09	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047612.D	1	09/17/25 13:03	VX091725

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\VX091725\
Data File : VX047612.D
Acq On : 17 Sep 2025 13:03
Operator : JC/MD
Sample : Q3095-09
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW179D2-20250909

Quant Time: Sep 18 02:03:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

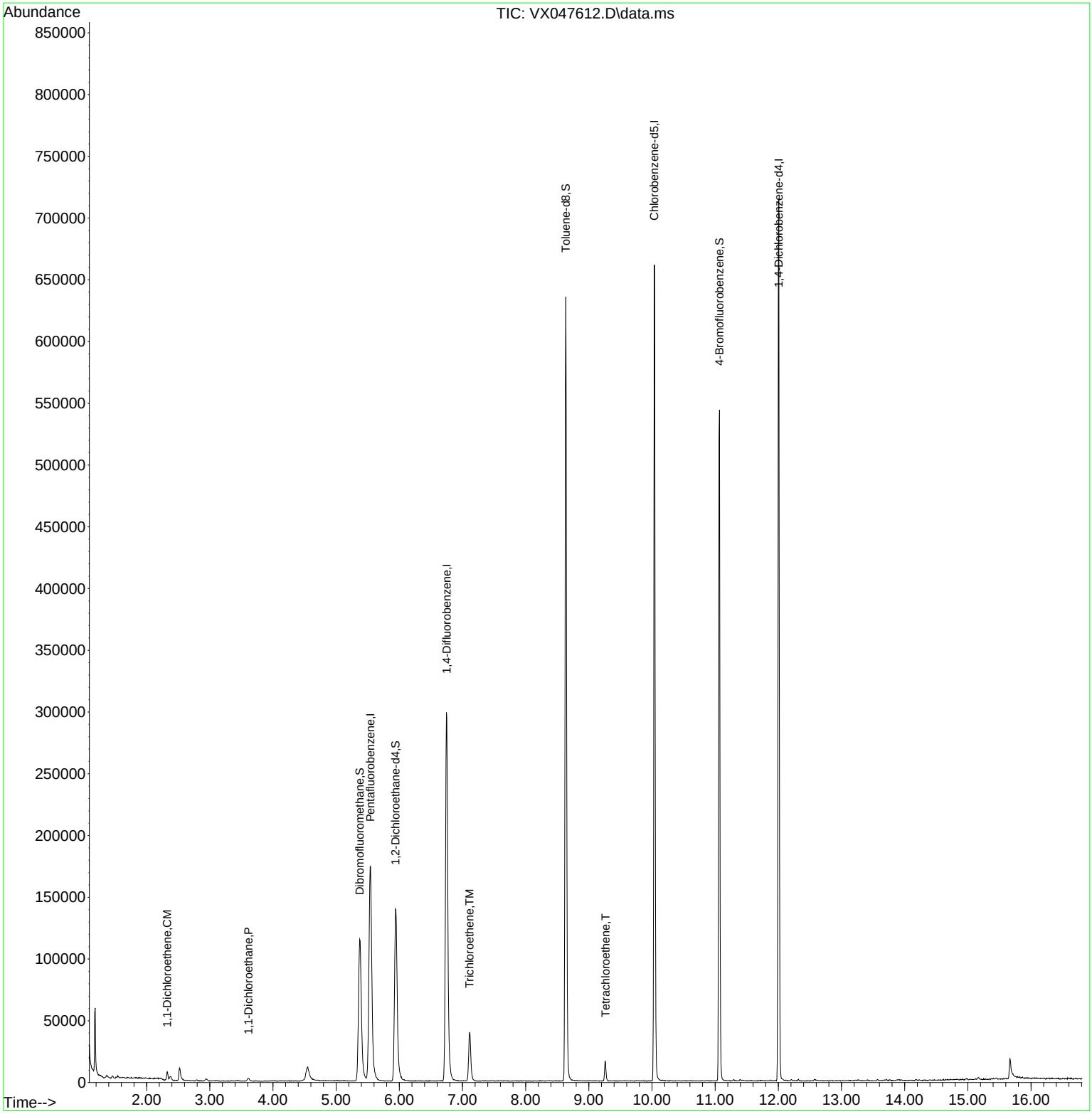
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	178402	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	326098	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	294706	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	144921	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	153756	54.145	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 108.280%			
35) Dibromofluoromethane	5.373	113	113462	51.880	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.760%			
50) Toluene-d8	8.635	98	394528	52.135	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 104.280%			
62) 4-Bromofluorobenzene	11.067	95	156782	54.590	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 109.180%			
Target Compounds						Qvalue
12) 1,1-Dichloroethene	2.325	96	2675	1.262	ug/l	94
24) 1,1-Dichloroethane	3.611	63	3064	0.680	ug/l #	94
44) Trichloroethene	7.111	130	17063	7.271	ug/l	90
64) Tetrachloroethene	9.263	164	3235	1.684	ug/l #	85

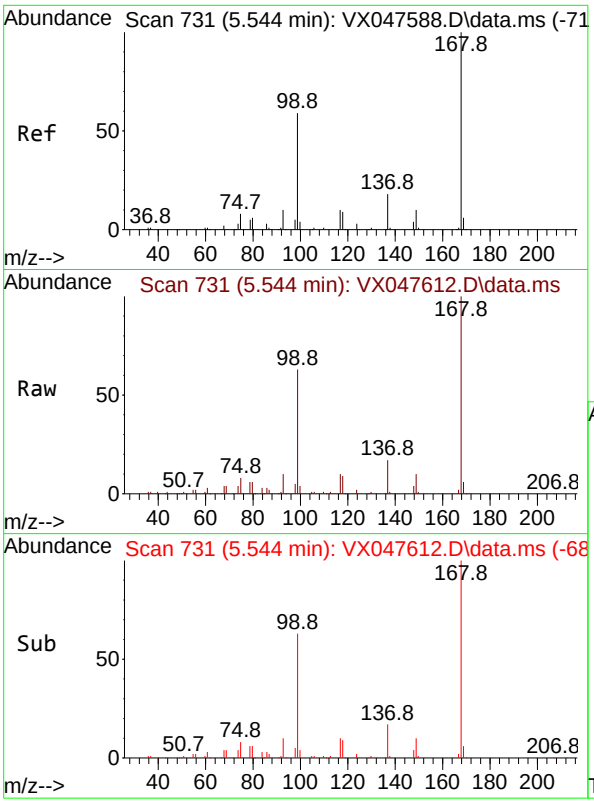
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091725\
Data File : VX047612.D
Acq On : 17 Sep 2025 13:03
Operator : JC/MD
Sample : Q3095-09
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW179D2-20250909

Quant Time: Sep 18 02:03:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



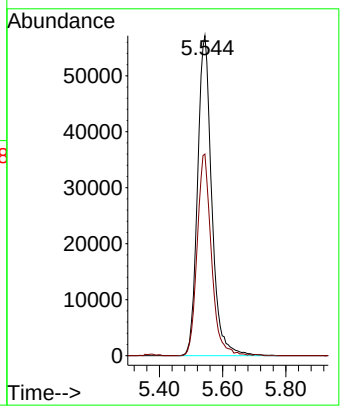


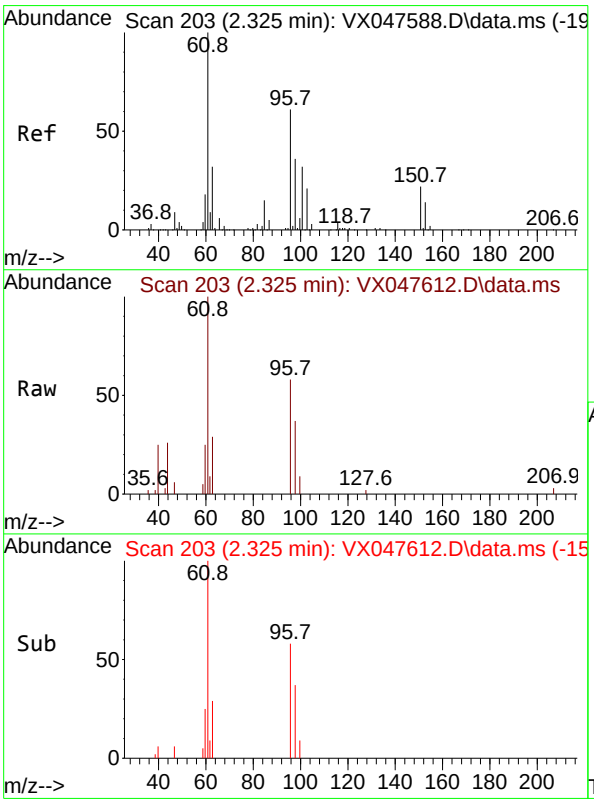
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047612.D
Acq: 17 Sep 2025 13:03

Instrument :
MSVOA_X
ClientSampleId :
MW179D2-20250909

Tgt Ion:168 Resp: 178402

Ion	Ratio	Lower	Upper
168	100		
99	63.0	48.8	73.2

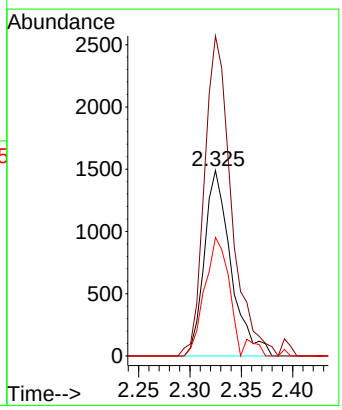


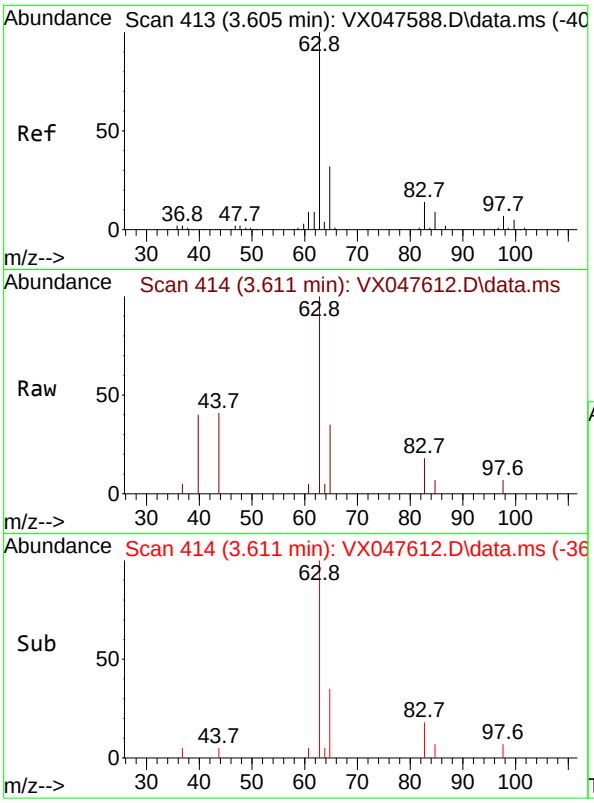


#12
1,1-Dichloroethene
Concen: 1.262 ug/l
RT: 2.325 min Scan# 203
Delta R.T. 0.000 min
Lab File: VX047612.D
Acq: 17 Sep 2025 13:03

Tgt Ion: 96 Resp: 2675

Ion	Ratio	Lower	Upper
96	100		
61	172.5	131.0	196.6
98	63.9	47.7	71.5



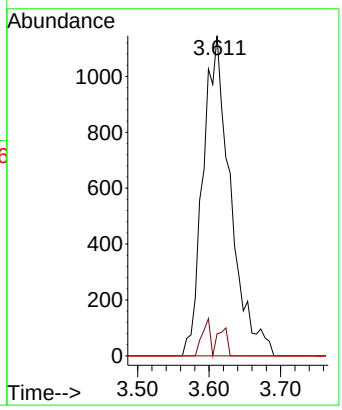


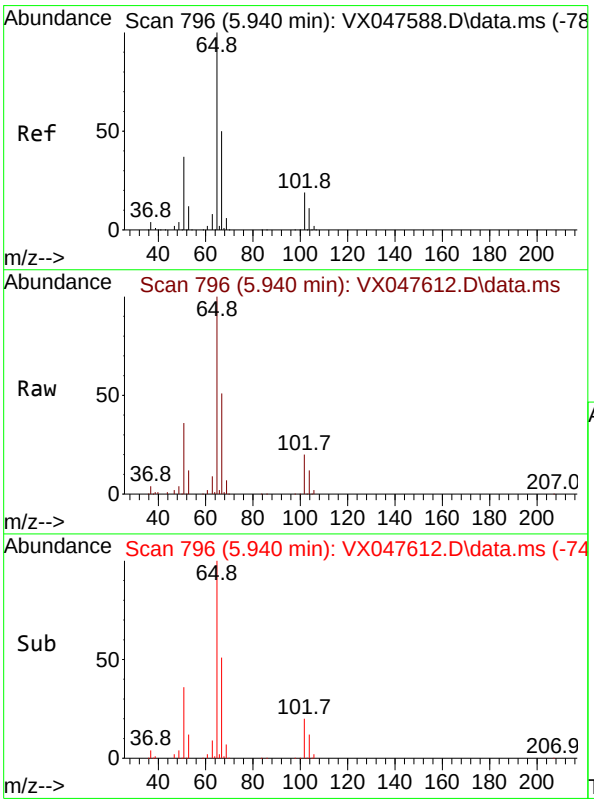
#24
1,1-Dichloroethane
Concen: 0.680 ug/l
RT: 3.611 min Scan# 41
Delta R.T. 0.006 min
Lab File: VX047612.D
Acq: 17 Sep 2025 13:03

Instrument :
MSVOA_X
ClientSampleId :
MW179D2-20250909

Tgt Ion: 63 Resp: 3064

Ion	Ratio	Lower	Upper
63	100		
98	6.9	3.8	11.2
100	0.0	2.3	6.9#

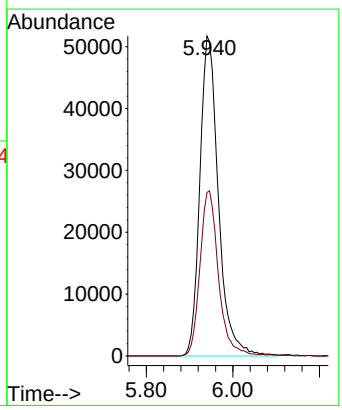


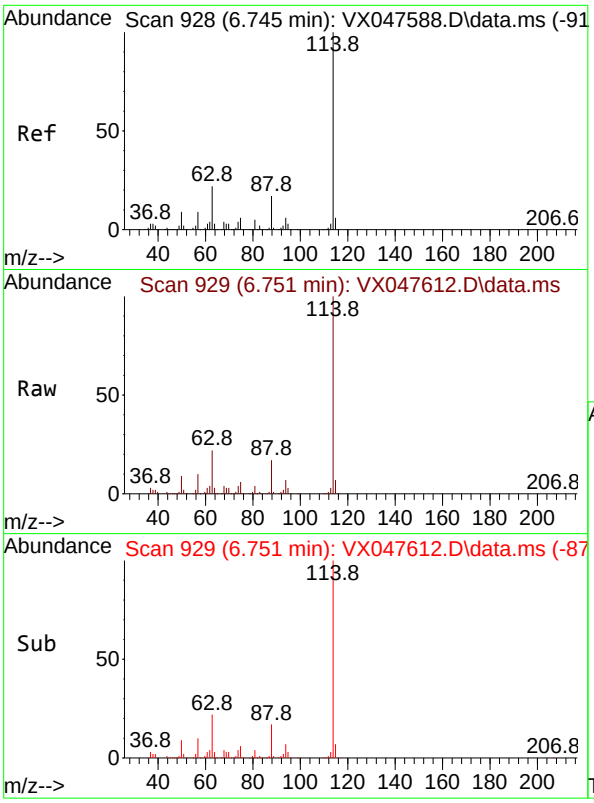


#33
1,2-Dichloroethane-d4
Concen: 54.145 ug/l
RT: 5.940 min Scan# 796
Delta R.T. 0.000 min
Lab File: VX047612.D
Acq: 17 Sep 2025 13:03

Tgt Ion: 65 Resp: 153756

Ion	Ratio	Lower	Upper
65	100		
67	51.7	0.0	103.0



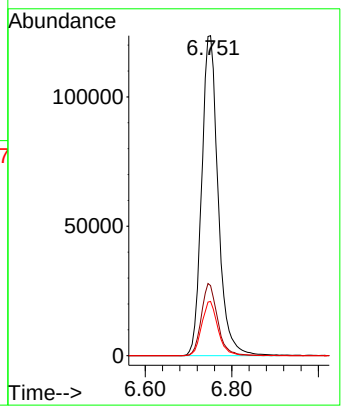


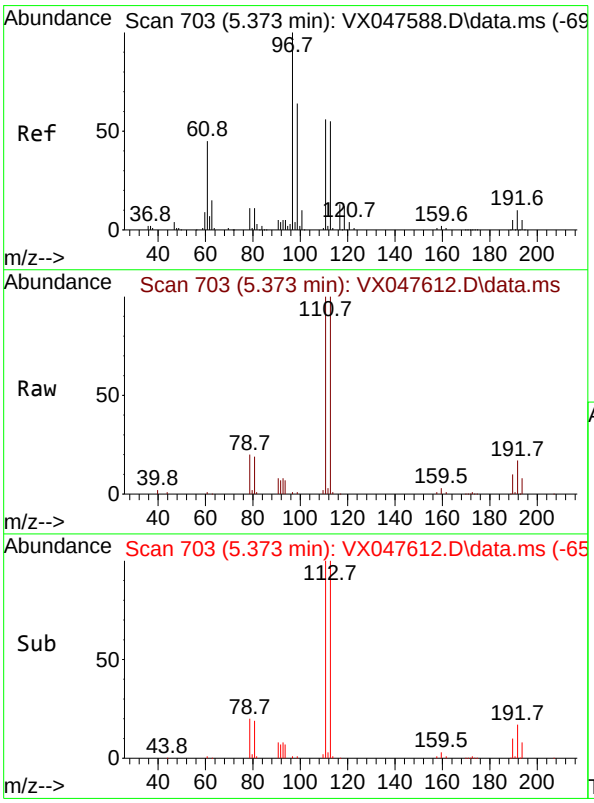
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 9
Delta R.T. 0.006 min
Lab File: VX047612.D
Acq: 17 Sep 2025 13:03

Instrument :
MSVOA_X
ClientSampleId :
MW179D2-20250909

Tgt Ion:114 Resp: 326098

Ion	Ratio	Lower	Upper
114	100		
63	21.9	0.0	44.0
88	17.0	0.0	34.2

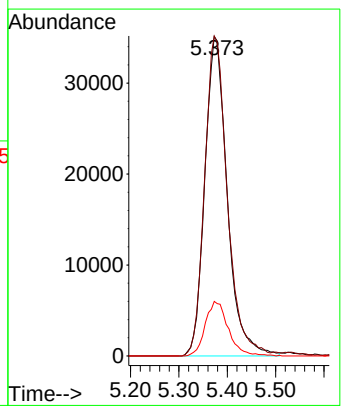


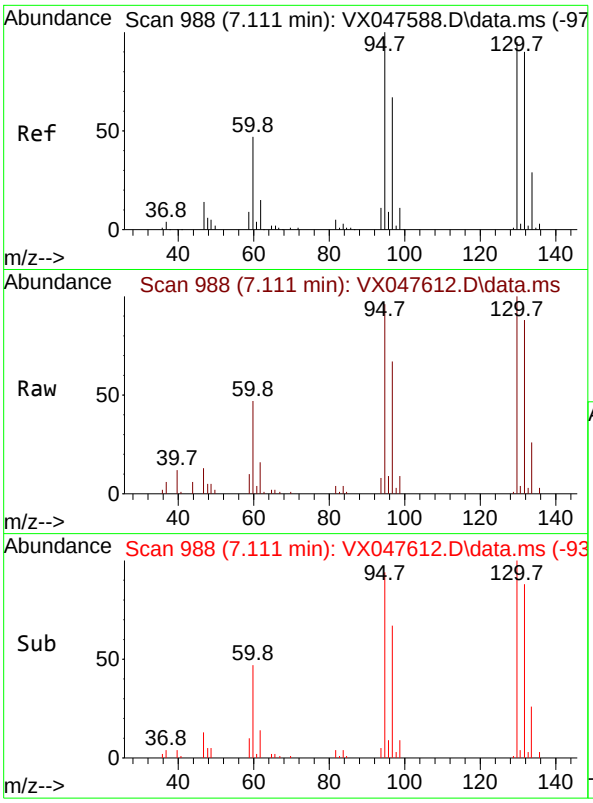


#35
Dibromofluoromethane
Concen: 51.880 ug/l
RT: 5.373 min Scan# 703
Delta R.T. 0.000 min
Lab File: VX047612.D
Acq: 17 Sep 2025 13:03

Tgt Ion:113 Resp: 113462

Ion	Ratio	Lower	Upper
113	100		
111	101.1	80.9	121.3
192	17.5	14.2	21.4



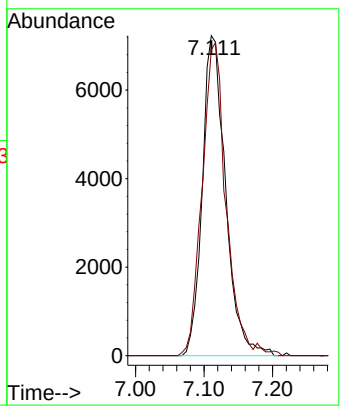


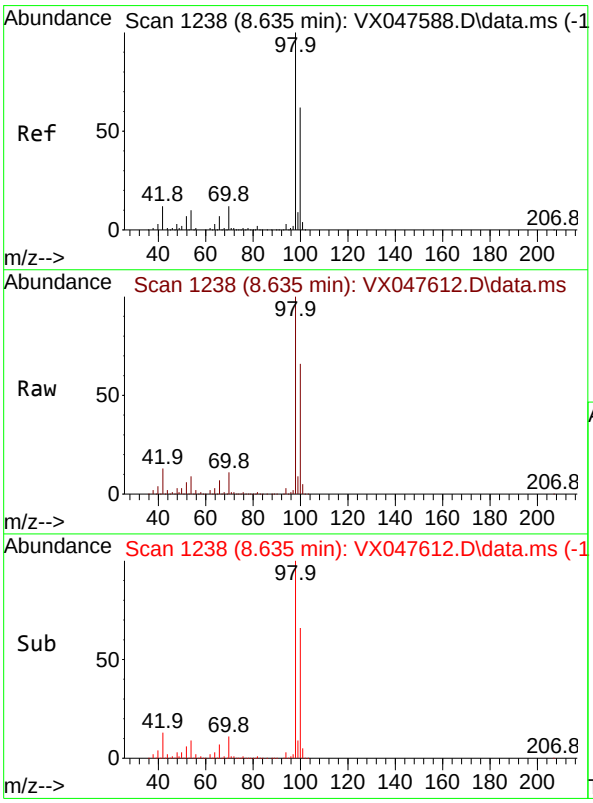
#44
Trichloroethene
Concen: 7.271 ug/l
RT: 7.111 min Scan# 9
Delta R.T. 0.000 min
Lab File: VX047612.D
Acq: 17 Sep 2025 13:03

Instrument :
MSVOA_X
ClientSampleId :
MW179D2-20250909

Tgt Ion:130 Resp: 17063

Ion	Ratio	Lower	Upper
130	100		
95	95.5	0.0	210.8

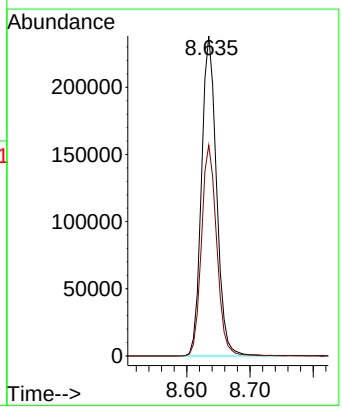


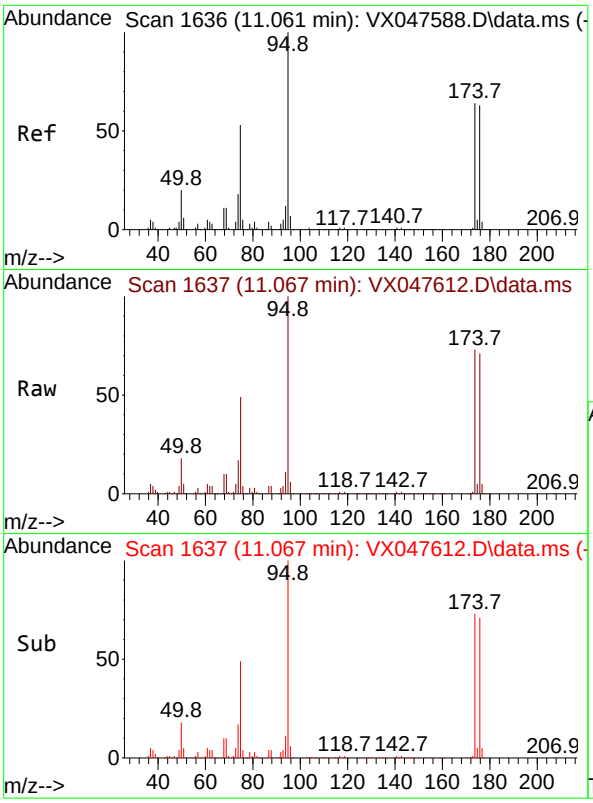


#50
Toluene-d8
Concen: 52.135 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. 0.000 min
Lab File: VX047612.D
Acq: 17 Sep 2025 13:03

Tgt Ion: 98 Resp: 394528

Ion	Ratio	Lower	Upper
98	100		
100	66.6	53.0	79.4



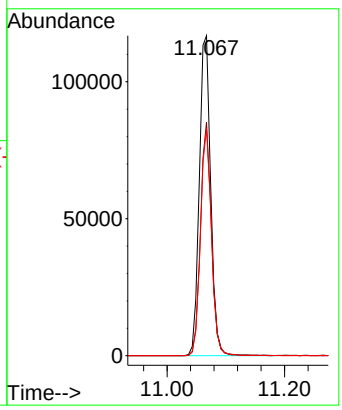


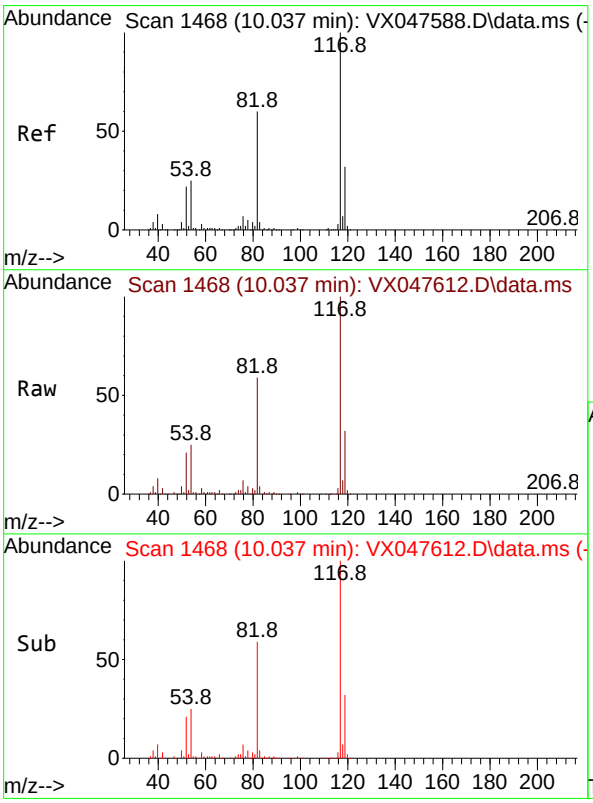
#62
4-Bromofluorobenzene
Concen: 54.590 ug/l
RT: 11.067 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047612.D
Acq: 17 Sep 2025 13:03

Instrument :
MSVOA_X
ClientSampleId :
MW179D2-20250909

Tgt Ion: 95 Resp: 156782

Ion	Ratio	Lower	Upper
95	100		
174	69.8	0.0	141.6
176	68.0	0.0	138.4

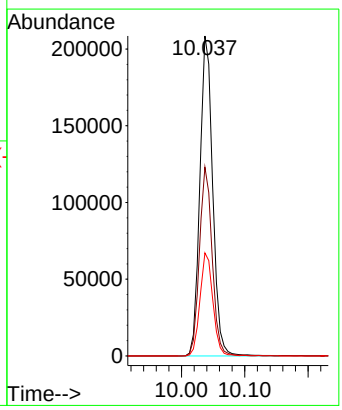


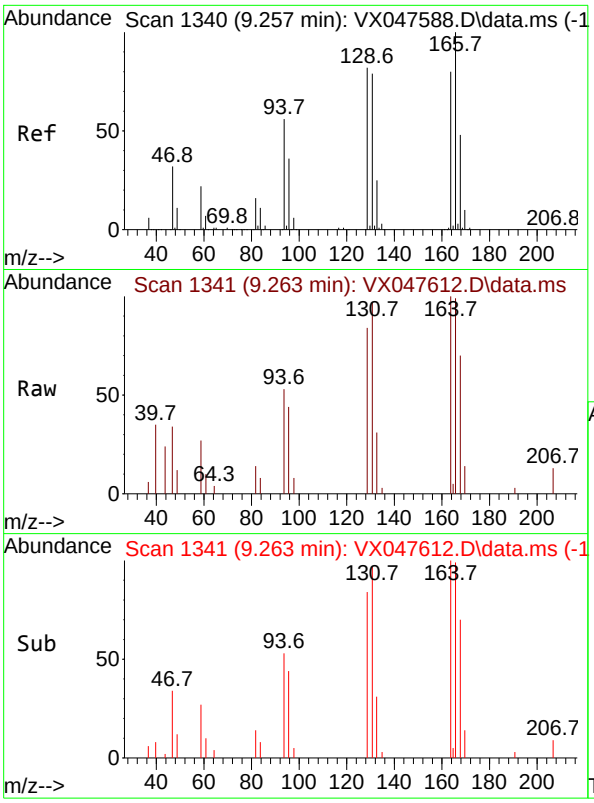


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. 0.000 min
Lab File: VX047612.D
Acq: 17 Sep 2025 13:03

Tgt Ion:117 Resp: 294706

Ion	Ratio	Lower	Upper
117	100		
82	59.0	47.8	71.6
119	32.2	25.2	37.8



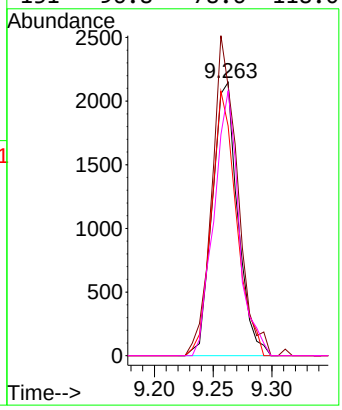


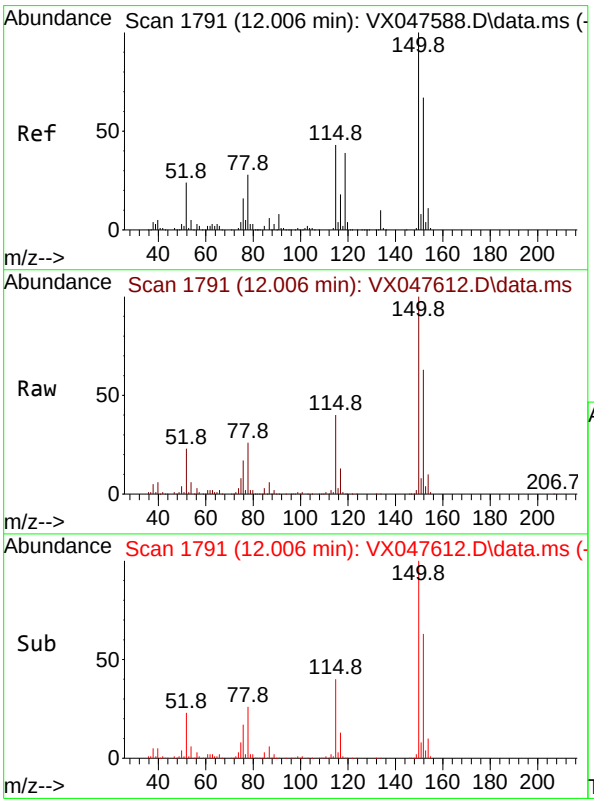
#64
Tetrachloroethene
Concen: 1.684 ug/l
RT: 9.263 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047612.D
Acq: 17 Sep 2025 13:03

Instrument :
MSVOA_X
ClientSampleId :
MW179D2-20250909

Tgt Ion:164 Resp: 3235

Ion	Ratio	Lower	Upper
164	100		
166	98.7	100.2	150.2#
129	84.1	81.8	122.6
131	96.8	78.6	118.0

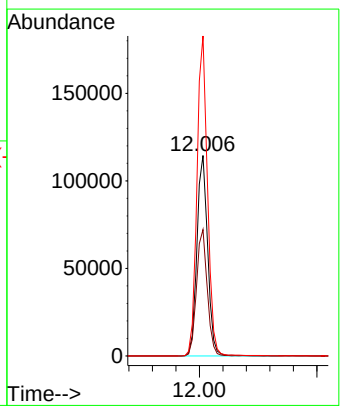




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX047612.D
Acq: 17 Sep 2025 13:03

Tgt Ion:152 Resp: 144921

Ion	Ratio	Lower	Upper
152	100		
115	63.4	44.9	134.5
150	156.5	0.0	352.0



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:	09/09/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/12/25
Client Sample ID:	MW201D1-20250909	SDG No.:	Q3095
Lab Sample ID:	Q3095-10	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047613.D	1	09/17/25 13:24	VX091725

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	0.59	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:	09/09/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/12/25
Client Sample ID:	MW201D1-20250909	SDG No.:	Q3095
Lab Sample ID:	Q3095-10	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047613.D	1	09/17/25 13:24	VX091725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	J	0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.12	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.15	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	53.7		81 - 118		107%	SPK: 50
1868-53-7	Dibromofluoromethane	51.1		80 - 119		102%	SPK: 50
2037-26-5	Toluene-d8	51.8		89 - 112		104%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.7		85 - 114		105%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	179000	5.543				
540-36-3	1,4-Difluorobenzene	327000	6.75				
3114-55-4	Chlorobenzene-d5	298000	10.036				
3855-82-1	1,4-Dichlorobenzene-d4	145000	12.006				

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:	09/09/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/12/25
Client Sample ID:	MW201D1-20250909	SDG No.:	Q3095
Lab Sample ID:	Q3095-10	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047613.D	1	09/17/25 13:24	VX091725

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\VX091725\
Data File : VX047613.D
Acq On : 17 Sep 2025 13:24
Operator : JC/MD
Sample : Q3095-10
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW201D1-20250909

Quant Time: Sep 18 02:03:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

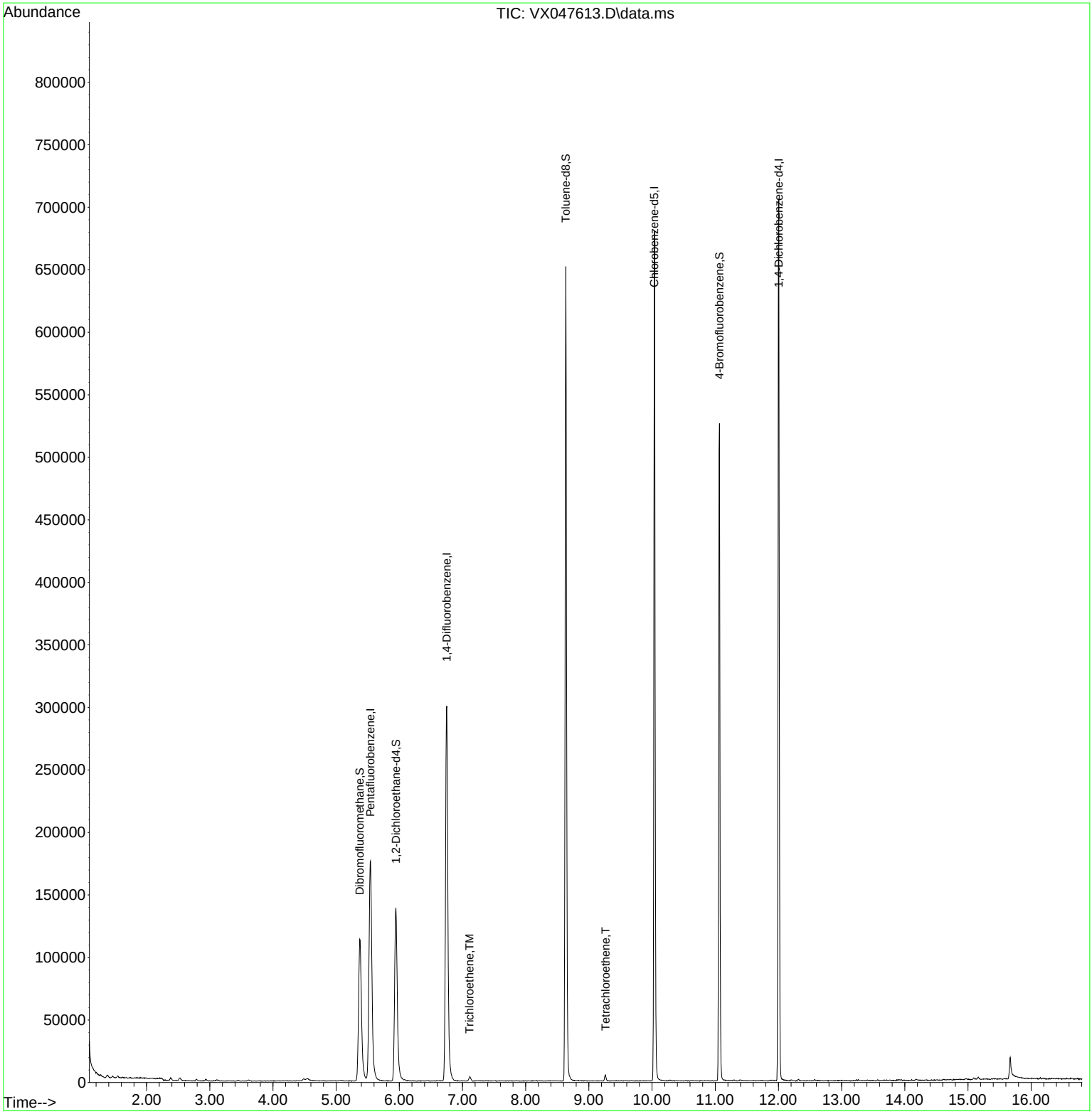
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.543	168	179159	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.750	114	326791	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.036	117	297810	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	144973	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	153137	53.699	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 107.400%			
35) Dibromofluoromethane	5.373	113	111971	51.090	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.180%			
50) Toluene-d8	8.634	98	392510	51.758	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 103.520%			
62) 4-Bromofluorobenzene	11.067	95	151652	52.692	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 105.380%			
Target Compounds						Qvalue
44) Trichloroethene	7.110	130	1382	0.588	ug/l	76
64) Tetrachloroethene	9.262	164	968	0.499	ug/l	93

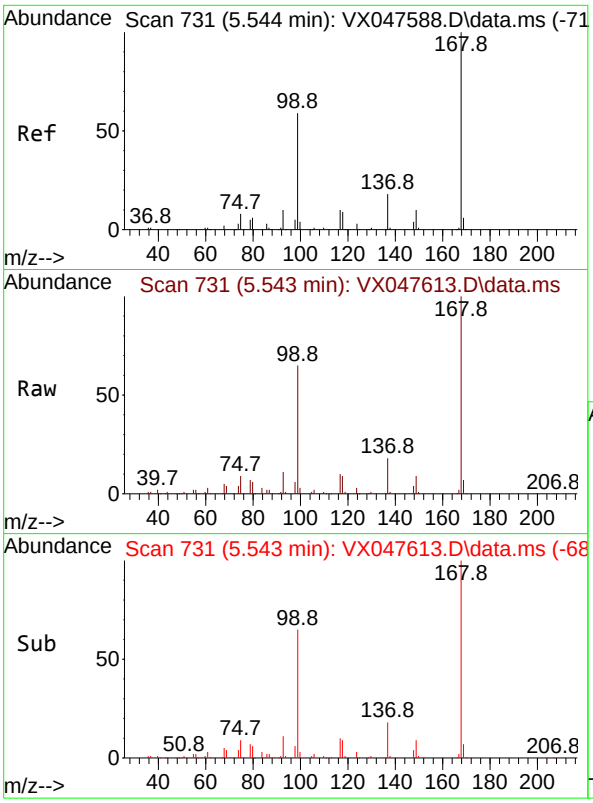
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091725\
Data File : VX047613.D
Acq On : 17 Sep 2025 13:24
Operator : JC/MD
Sample : Q3095-10
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW201D1-20250909

Quant Time: Sep 18 02:03:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



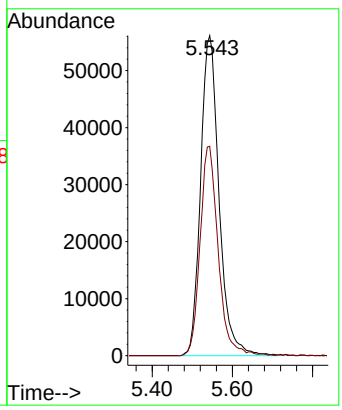


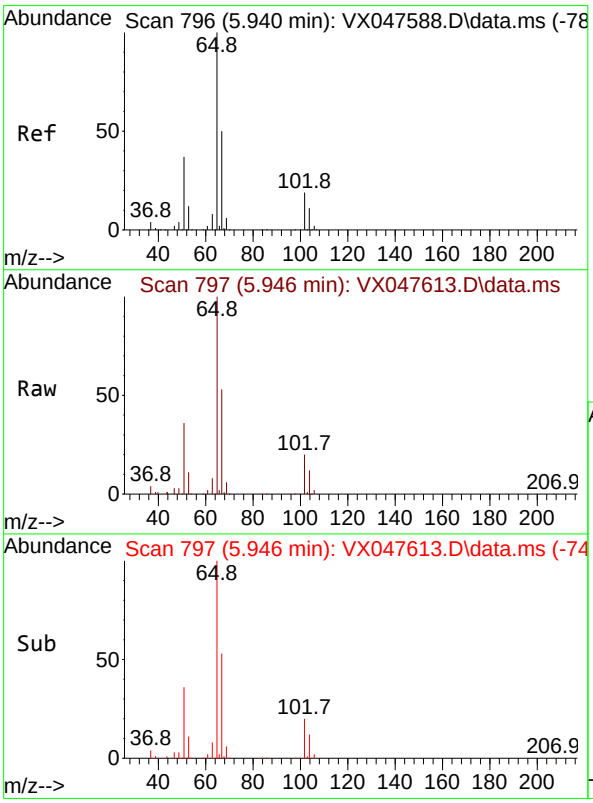
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.543 min Scan# 7
Delta R.T. -0.001 min
Lab File: VX047613.D
Acq: 17 Sep 2025 13:24

Instrument :
MSVOA_X
ClientSampleId :
MW201D1-20250909

Tgt Ion:168 Resp: 179159

Ion	Ratio	Lower	Upper
168	100		
99	65.4	48.8	73.2

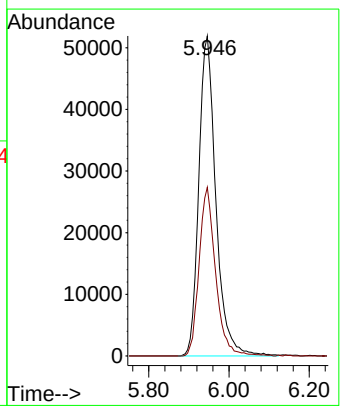


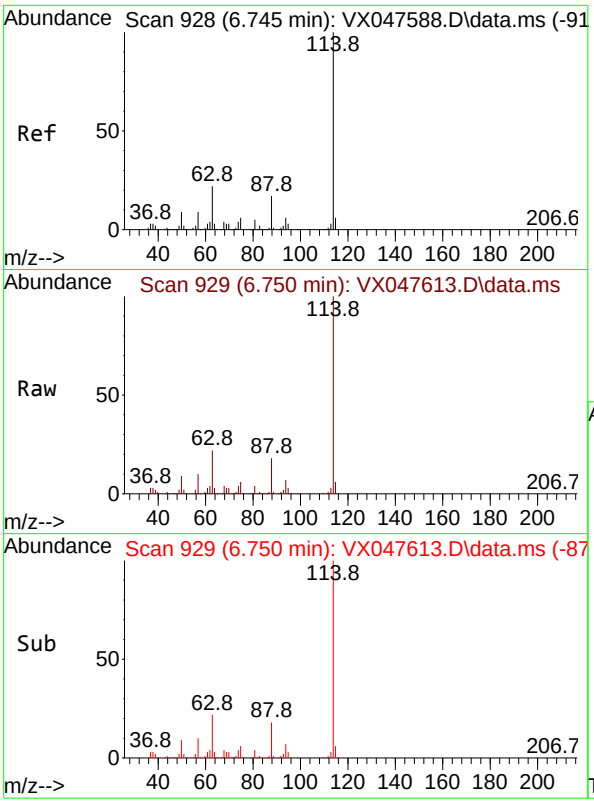


#33
1,2-Dichloroethane-d4
Concen: 53.699 ug/l
RT: 5.946 min Scan# 797
Delta R.T. 0.006 min
Lab File: VX047613.D
Acq: 17 Sep 2025 13:24

Tgt Ion: 65 Resp: 153137

Ion	Ratio	Lower	Upper
65	100		
67	51.1	0.0	103.0



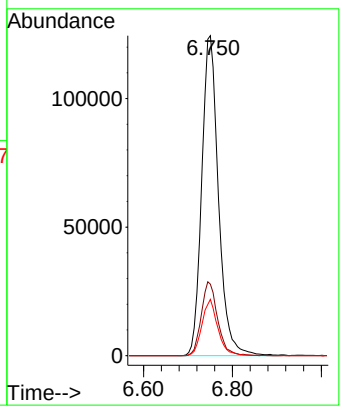


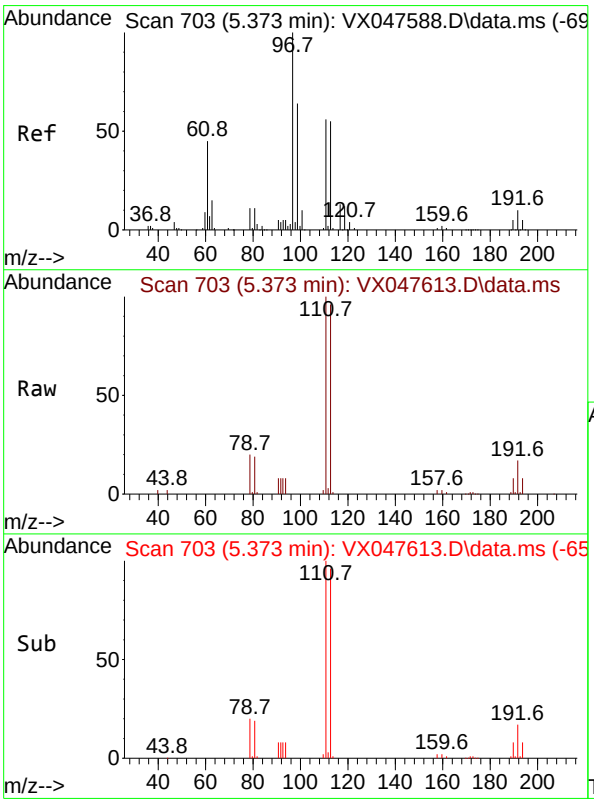
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.750 min Scan# 9
Delta R.T. 0.006 min
Lab File: VX047613.D
Acq: 17 Sep 2025 13:24

Instrument :
MSVOA_X
ClientSampleId :
MW201D1-20250909

Tgt Ion:114 Resp: 326791

Ion	Ratio	Lower	Upper
114	100		
63	22.4	0.0	44.0
88	17.6	0.0	34.2

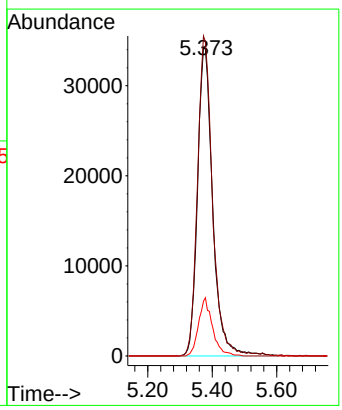


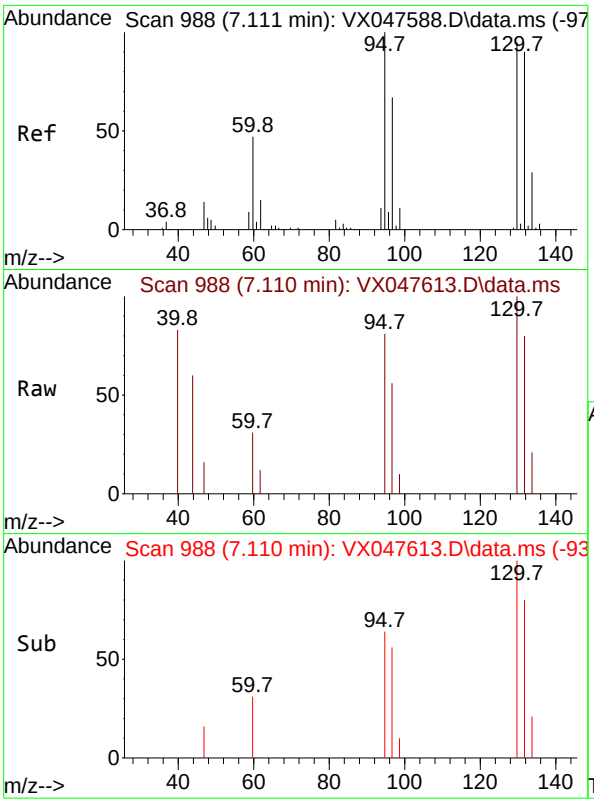


#35
Dibromofluoromethane
Concen: 51.090 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX047613.D
Acq: 17 Sep 2025 13:24

Tgt Ion:113 Resp: 111971

Ion	Ratio	Lower	Upper
113	100		
111	101.9	80.9	121.3
192	17.3	14.2	21.4



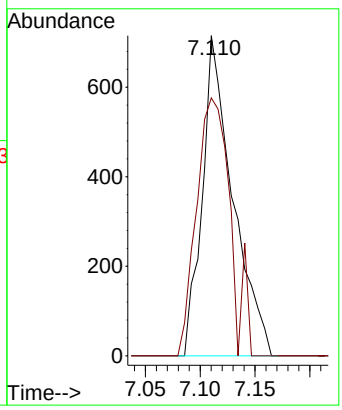


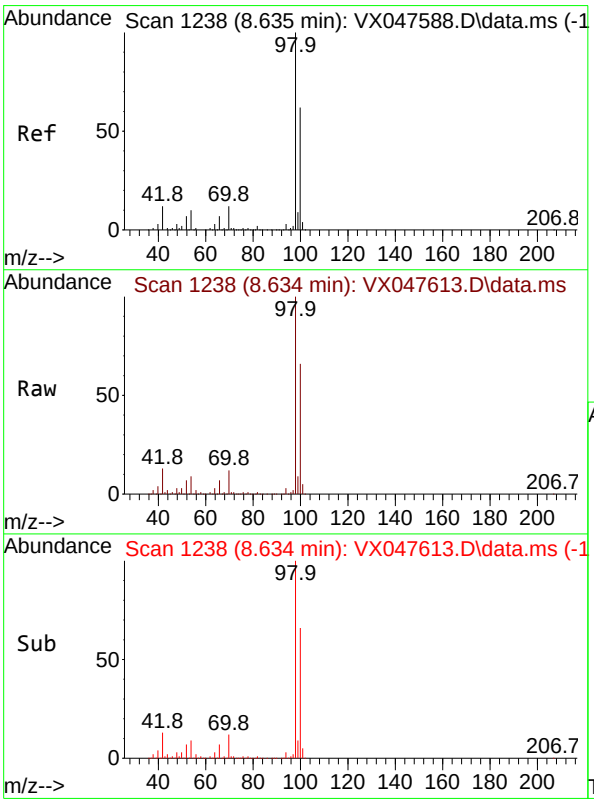
#44
Trichloroethene
Concen: 0.588 ug/l
RT: 7.110 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX047613.D
Acq: 17 Sep 2025 13:24

Instrument :
MSVOA_X
ClientSampleId :
MW201D1-20250909

Tgt Ion:130 Resp: 1382

Ion	Ratio	Lower	Upper
130	100		
95	80.6	0.0	210.8

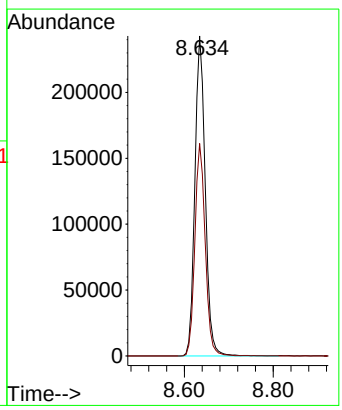


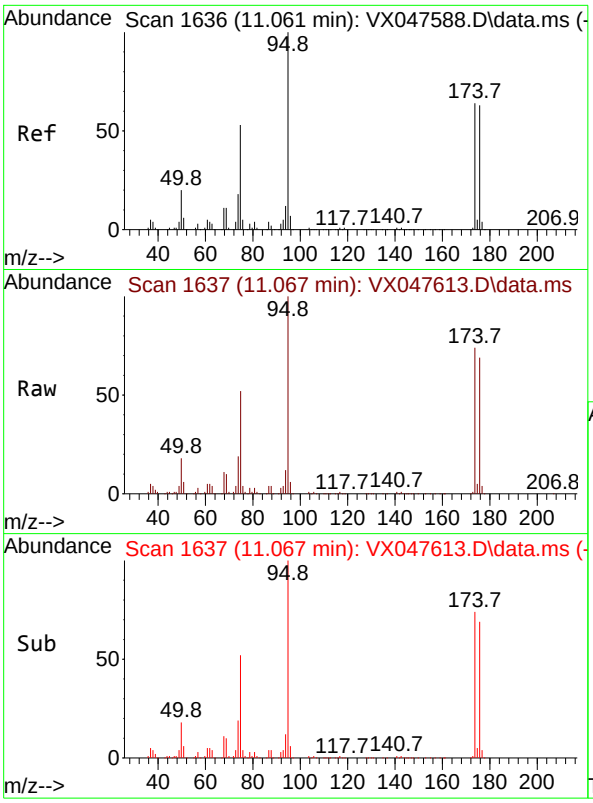


#50
Toluene-d8
Concen: 51.758 ug/l
RT: 8.634 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX047613.D
Acq: 17 Sep 2025 13:24

Tgt Ion: 98 Resp: 392510

Ion	Ratio	Lower	Upper
98	100		
100	66.4	53.0	79.4



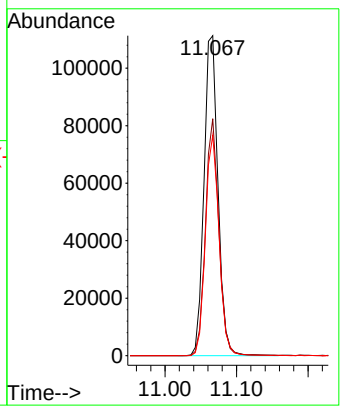


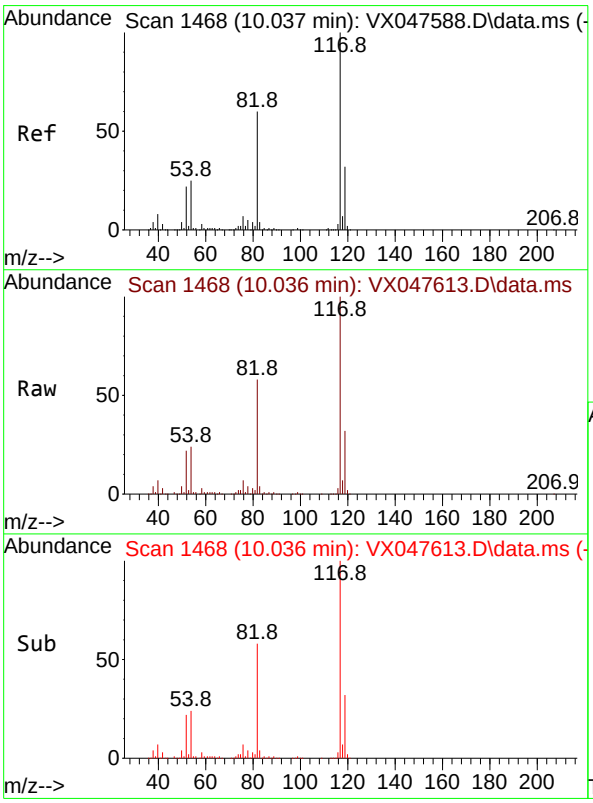
#62
4-Bromofluorobenzene
Concen: 52.692 ug/l
RT: 11.067 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047613.D
Acq: 17 Sep 2025 13:24

Instrument :
MSVOA_X
ClientSampleId :
MW201D1-20250909

Tgt Ion: 95 Resp: 151652

Ion	Ratio	Lower	Upper
95	100		
174	70.7	0.0	141.6
176	67.2	0.0	138.4

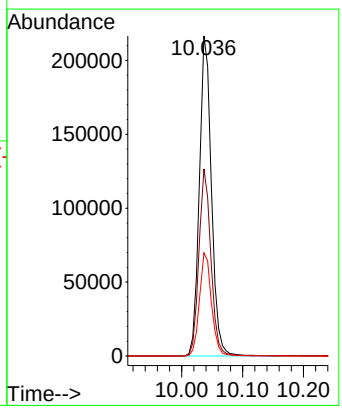


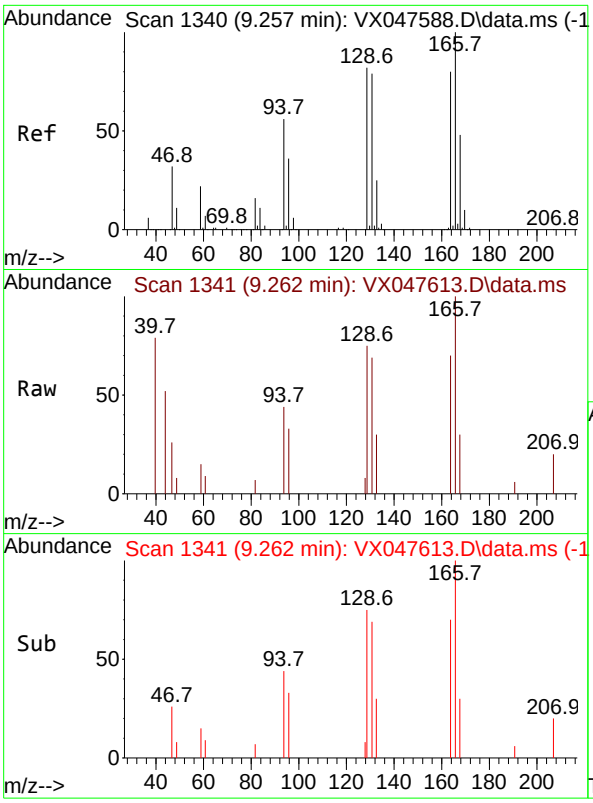


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.036 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX047613.D
Acq: 17 Sep 2025 13:24

Tgt Ion:117 Resp: 297810

Ion	Ratio	Lower	Upper
117	100		
82	58.4	47.8	71.6
119	32.2	25.2	37.8



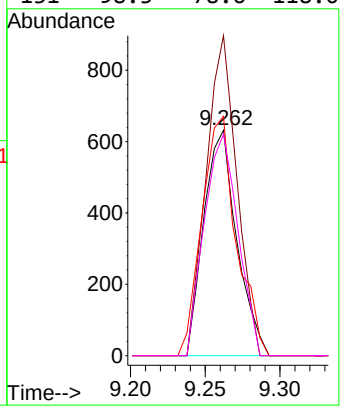


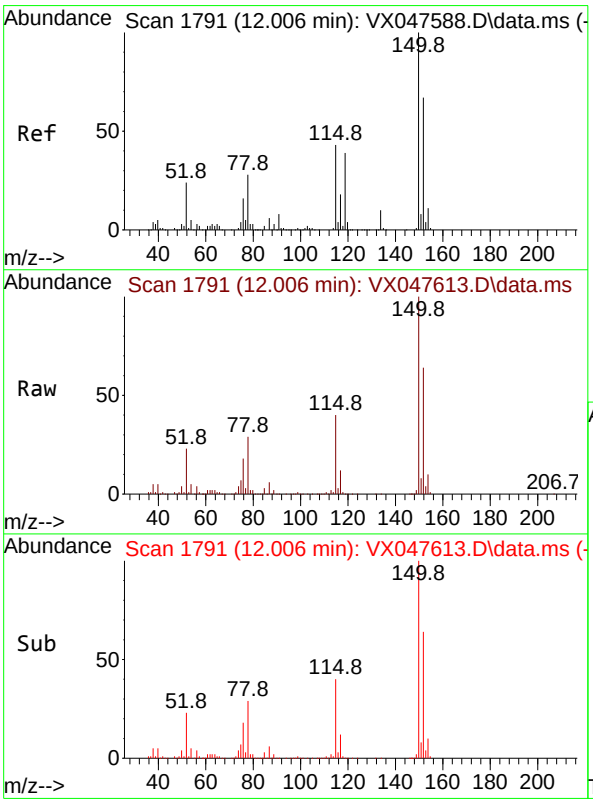
#64
Tetrachloroethene
Concen: 0.499 ug/l
RT: 9.262 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047613.D
Acq: 17 Sep 2025 13:24

Instrument :
MSVOA_X
ClientSampleId :
MW201D1-20250909

Tgt Ion:164 Resp: 968

Ion	Ratio	Lower	Upper
164	100		
166	141.9	100.2	150.2
129	106.2	81.8	122.6
131	98.3	78.6	118.0

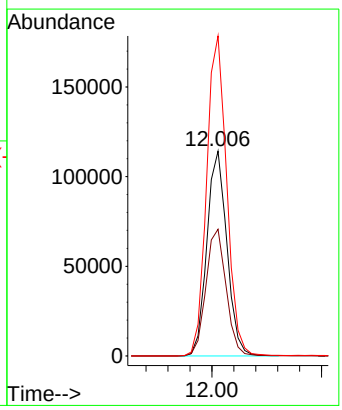




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047613.D
Acq: 17 Sep 2025 13:24

Tgt Ion:152 Resp: 144973

Ion	Ratio	Lower	Upper
152	100		
115	62.7	44.9	134.5
150	156.4	0.0	352.0



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:	09/09/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/12/25
Client Sample ID:	RE122D1-20250909	SDG No.:	Q3095
Lab Sample ID:	Q3095-11	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047614.D	1	09/17/25 13:45	VX091725

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	1.50		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.29	J	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	0.39	J	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	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	250	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:	09/09/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/12/25
Client Sample ID:	RE122D1-20250909	SDG No.:	Q3095
Lab Sample ID:	Q3095-11	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047614.D	1	09/17/25 13:45	VX091725

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	1.80		0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.12	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.15	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	51.8		81 - 118		104%	SPK: 50
1868-53-7	Dibromofluoromethane	48.3		80 - 119		97%	SPK: 50
2037-26-5	Toluene-d8	48.2		89 - 112		96%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.8		85 - 114		98%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	182000	5.544				
540-36-3	1,4-Difluorobenzene	337000	6.751				
3114-55-4	Chlorobenzene-d5	299000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	144000	12.006				

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:	09/09/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/12/25
Client Sample ID:	RE122D1-20250909	SDG No.:	Q3095
Lab Sample ID:	Q3095-11	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047614.D	1	09/17/25 13:45	VX091725

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\VX091725\
Data File : VX047614.D
Acq On : 17 Sep 2025 13:45
Operator : JC/MD
Sample : Q3095-11
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RE122D1-20250909

Quant Time: Sep 18 02:04:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

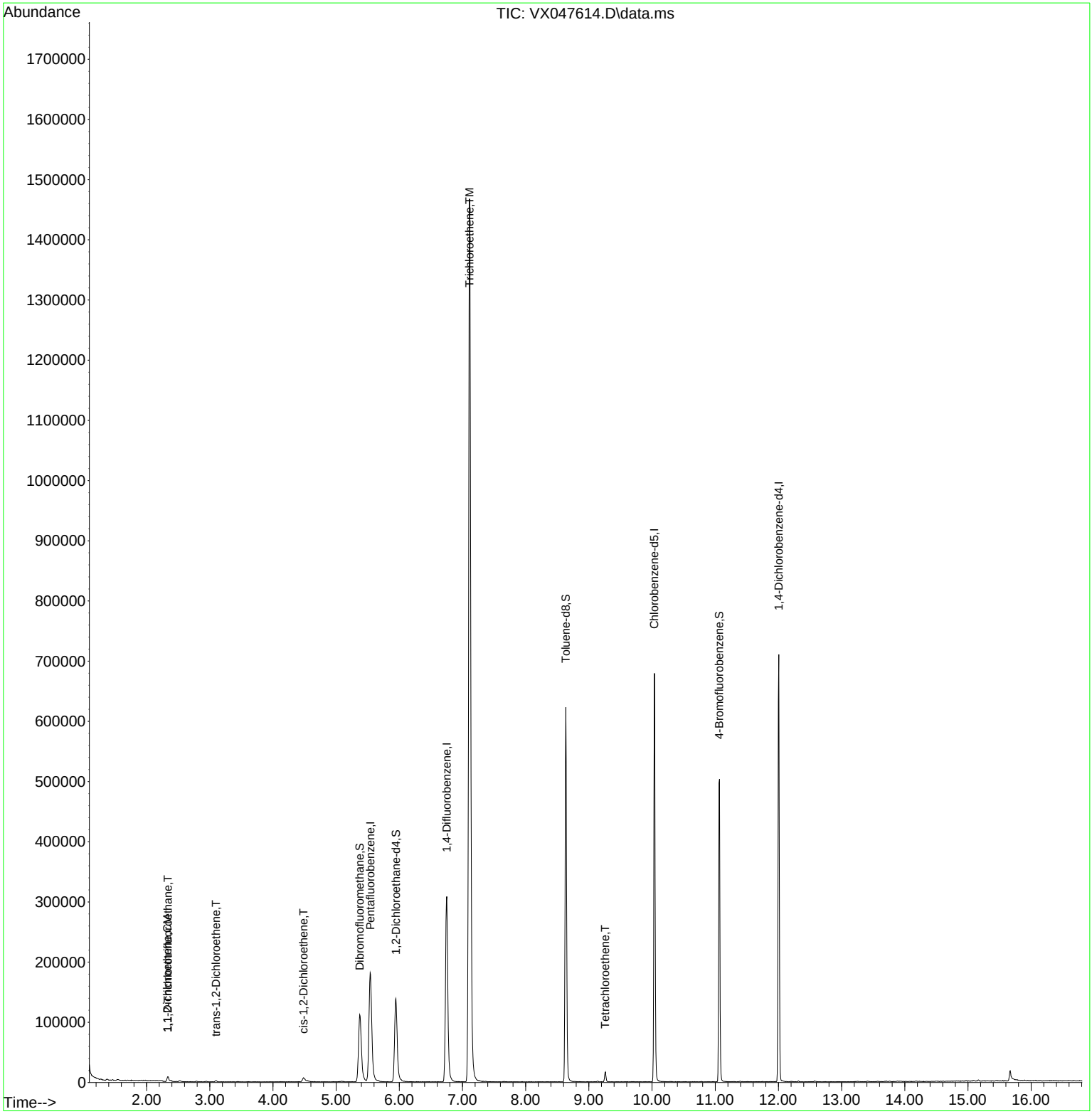
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	181930	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	336757	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	299325	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	143619	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	150142	51.847	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 103.700%			
35) Dibromofluoromethane	5.373	113	109089	48.302	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 96.600%			
50) Toluene-d8	8.635	98	377035	48.246	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 96.500%			
62) 4-Bromofluorobenzene	11.061	95	144836	48.835	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 97.660%			
Target Compounds						Qvalue
9) 1,1,2-Trichlorotrifluo...	2.337	101	3160	1.502	ug/l	98
12) 1,1-Dichloroethene	2.331	96	620	0.287	ug/l #	82
21) trans-1,2-Dichloroethene	3.099	96	912	0.392	ug/l #	74
27) cis-1,2-Dichloroethene	4.483	96	4573	1.605	ug/l	93
44) Trichloroethene	7.110	130	605036	249.674	ug/l	98
64) Tetrachloroethene	9.256	164	3442	1.764	ug/l #	78

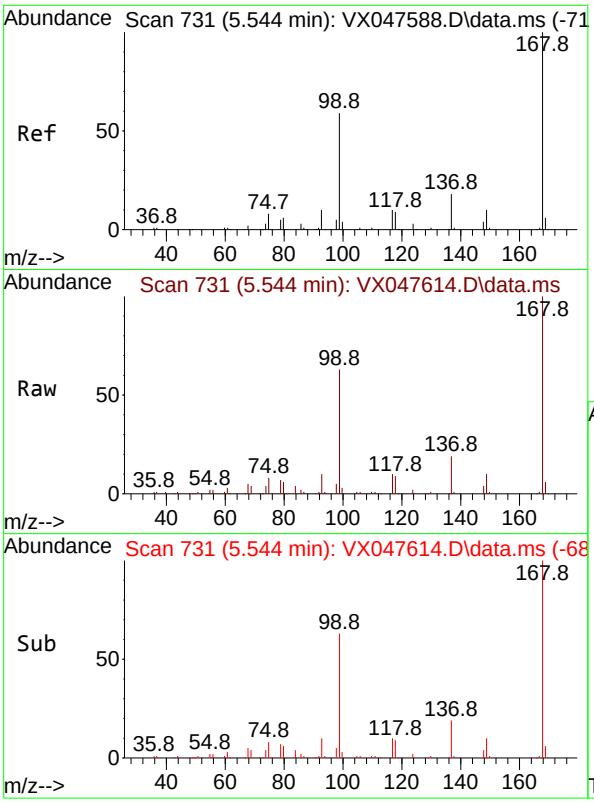
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091725\
Data File : VX047614.D
Acq On : 17 Sep 2025 13:45
Operator : JC/MD
Sample : Q3095-11
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RE122D1-20250909

Quant Time: Sep 18 02:04:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



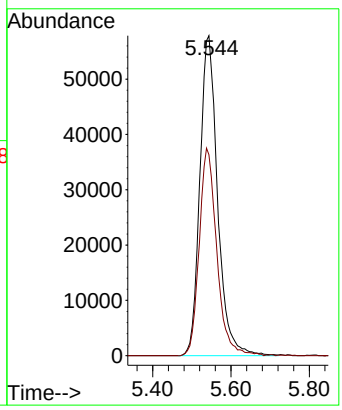


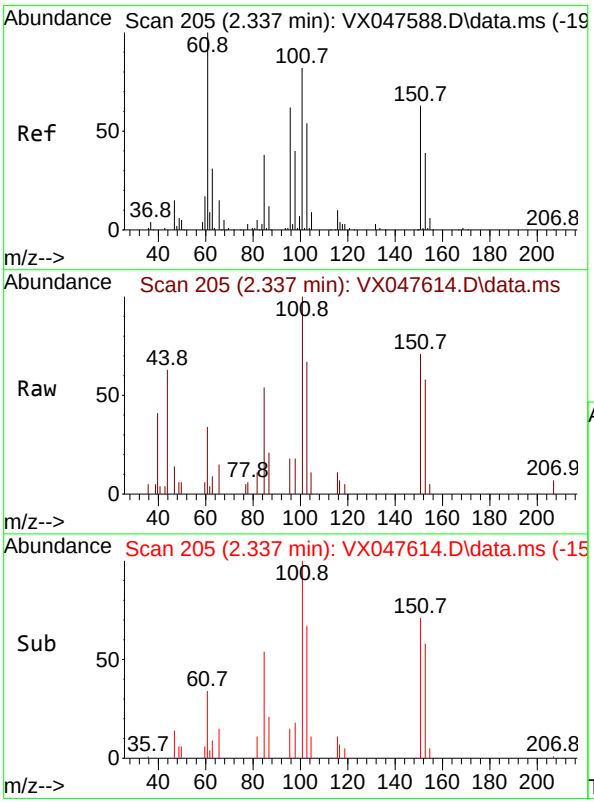
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047614.D
Acq: 17 Sep 2025 13:45

Instrument :
MSVOA_X
ClientSampleId :
RE122D1-20250909

Tgt Ion:168 Resp: 181930

Ion	Ratio	Lower	Upper
168	100		
99	62.8	48.8	73.2

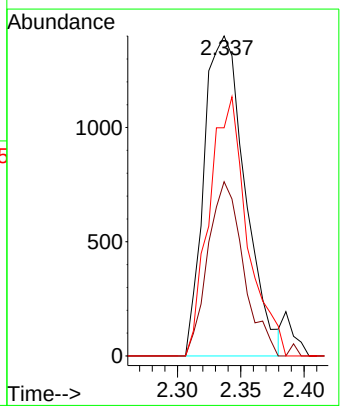


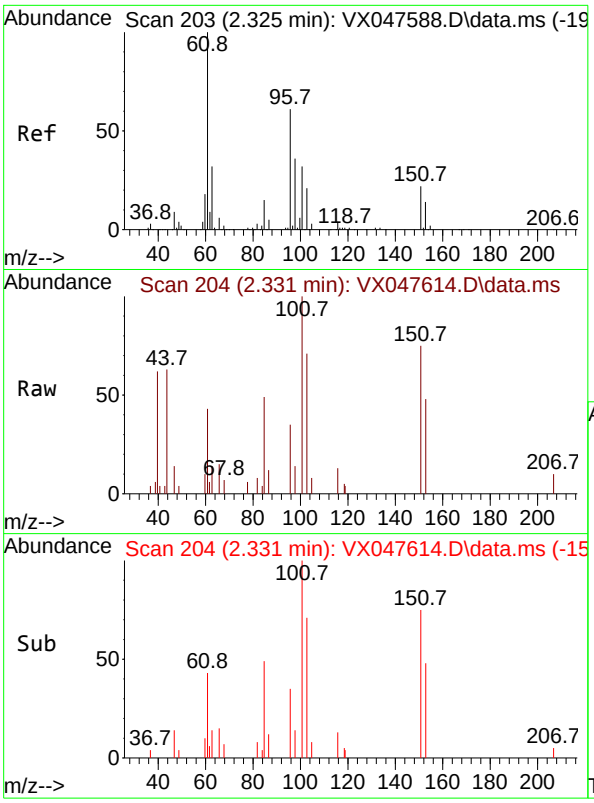


#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.502 ug/l
RT: 2.337 min Scan# 205
Delta R.T. -0.000 min
Lab File: VX047614.D
Acq: 17 Sep 2025 13:45

Tgt Ion:101 Resp: 3160

Ion	Ratio	Lower	Upper
101	100		
85	47.1	35.5	53.3
151	75.0	59.4	89.0



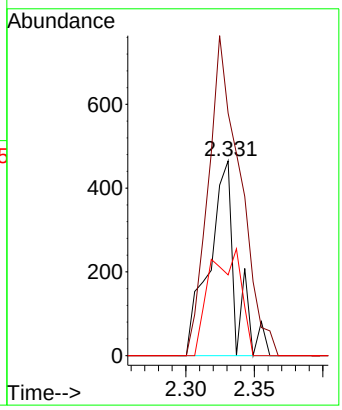


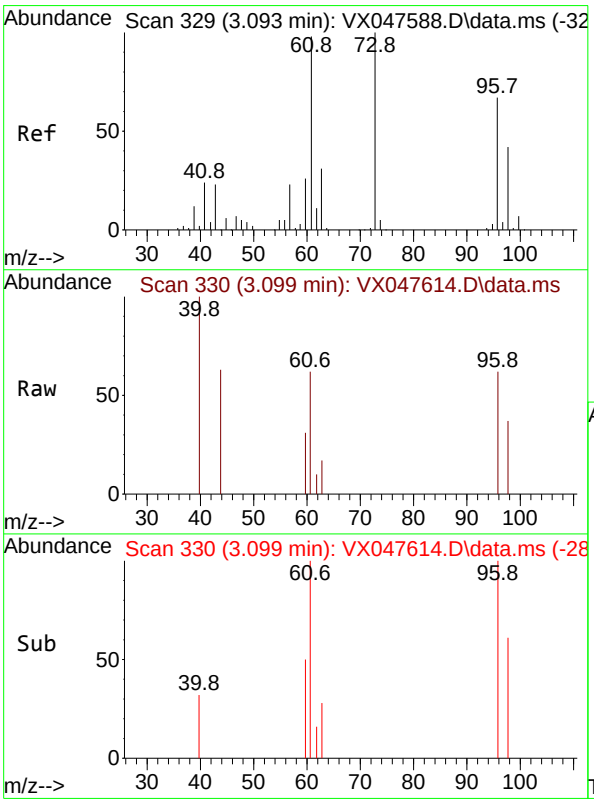
#12
1,1-Dichloroethene
Concen: 0.287 ug/l
RT: 2.331 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX047614.D
Acq: 17 Sep 2025 13:45

Instrument :
MSVOA_X
ClientSampleId :
RE122D1-20250909

Tgt Ion: 96 Resp: 620

Ion	Ratio	Lower	Upper
96	100		
61	141.9	131.0	196.6
98	41.5	47.7	71.5#

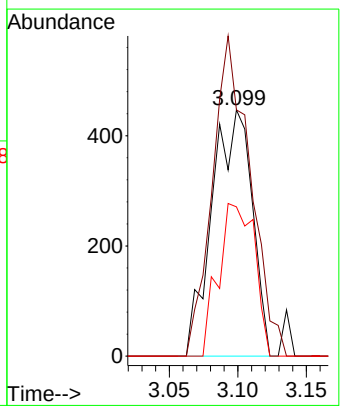


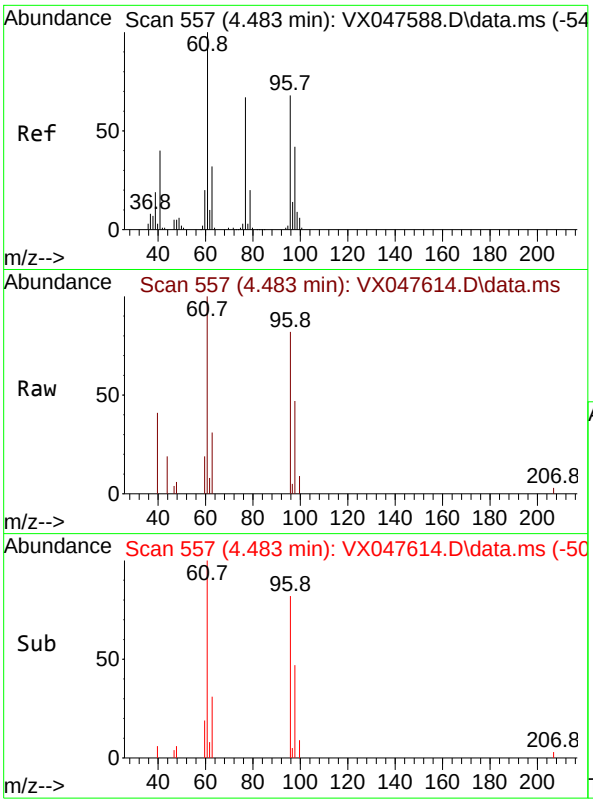


#21
trans-1,2-Dichloroethene
Concen: 0.392 ug/l
RT: 3.099 min Scan# 330
Delta R.T. 0.006 min
Lab File: VX047614.D
Acq: 17 Sep 2025 13:45

Tgt Ion: 96 Resp: 912

Ion	Ratio	Lower	Upper
96	100		
61	100.0	116.2	174.2#
98	60.6	49.3	73.9



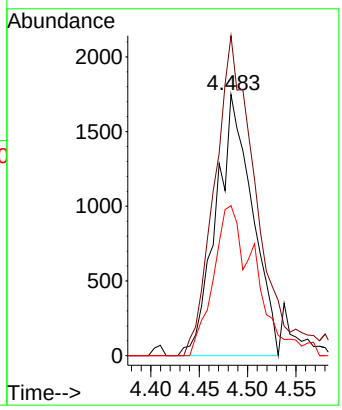


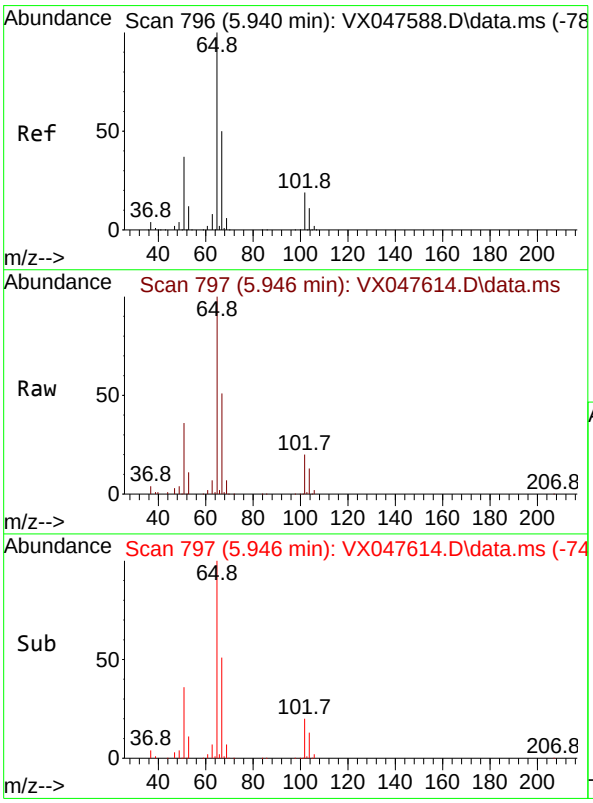
#27
cis-1,2-Dichloroethene
Concen: 1.605 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX047614.D
Acq: 17 Sep 2025 13:45

Instrument :
MSVOA_X
ClientSampleId :
RE122D1-20250909

Tgt Ion: 96 Resp: 4573

Ion	Ratio	Lower	Upper
96	100		
61	141.3	0.0	303.2
98	67.5	0.0	127.8

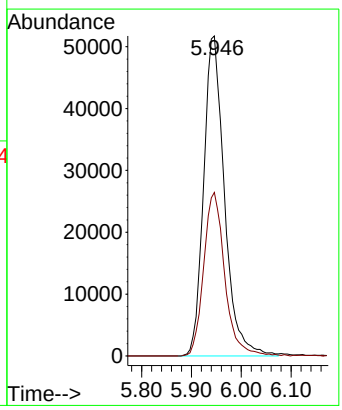


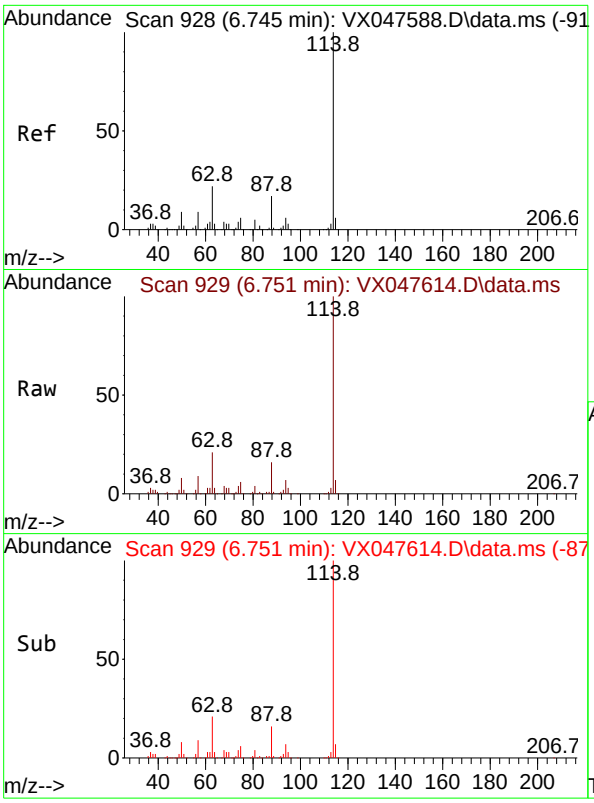


#33
1,2-Dichloroethane-d4
Concen: 51.847 ug/l
RT: 5.946 min Scan# 797
Delta R.T. 0.006 min
Lab File: VX047614.D
Acq: 17 Sep 2025 13:45

Tgt Ion: 65 Resp: 150142

Ion	Ratio	Lower	Upper
65	100		
67	51.7	0.0	103.0



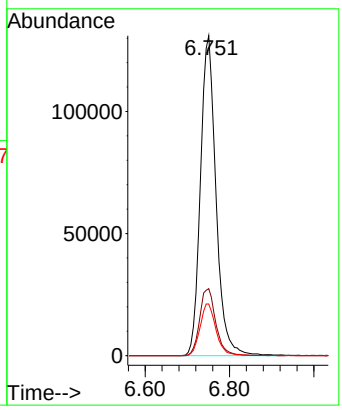


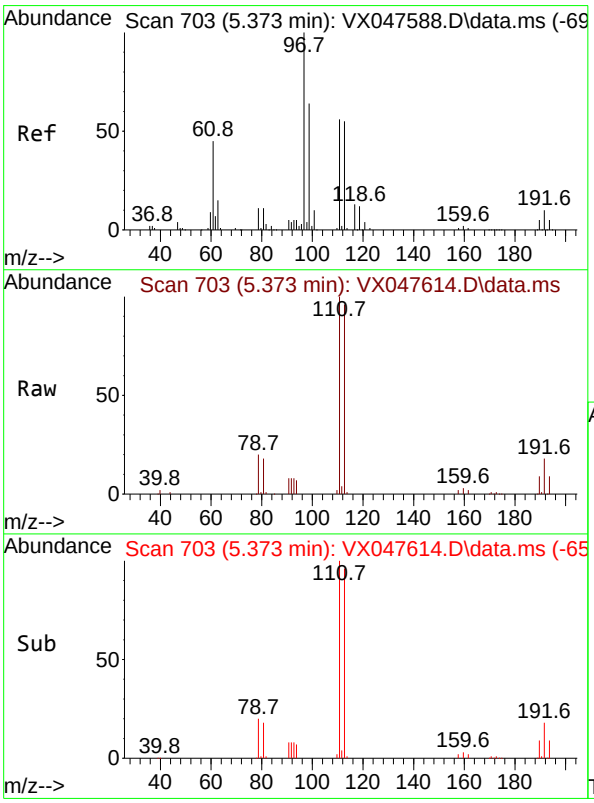
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 9
Delta R.T. 0.006 min
Lab File: VX047614.D
Acq: 17 Sep 2025 13:45

Instrument :
MSVOA_X
ClientSampleId :
RE122D1-20250909

Tgt Ion:114 Resp: 336757

Ion	Ratio	Lower	Upper
114	100		
63	21.0	0.0	44.0
88	16.2	0.0	34.2

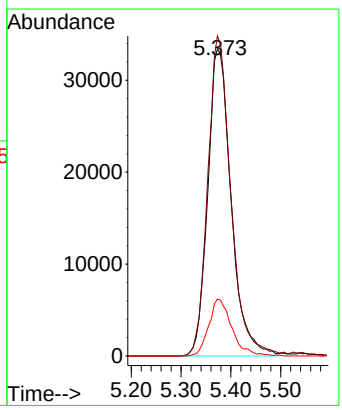


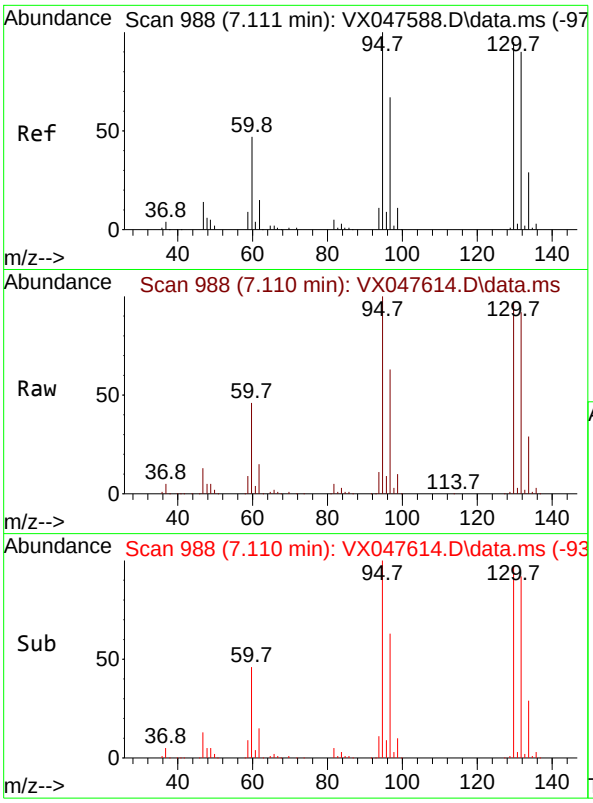


#35
Dibromofluoromethane
Concen: 48.302 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX047614.D
Acq: 17 Sep 2025 13:45

Tgt Ion:113 Resp: 109089

Ion	Ratio	Lower	Upper
113	100		
111	103.0	80.9	121.3
192	18.3	14.2	21.4



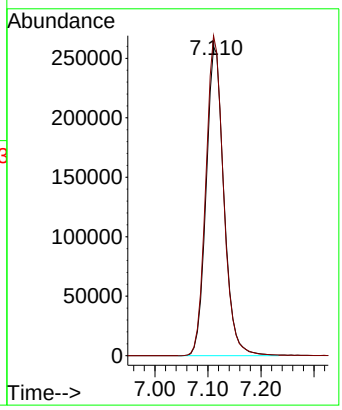


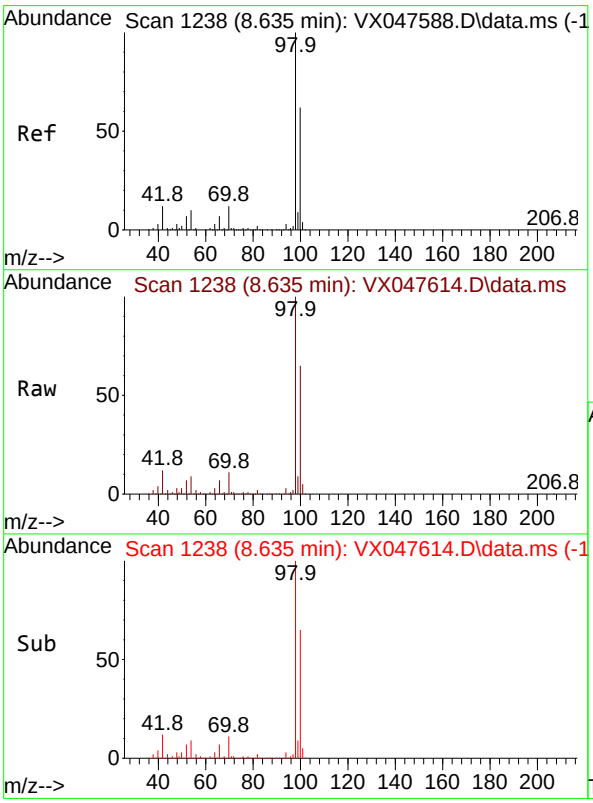
#44
Trichloroethene
Concen: 249.674 ug/l
RT: 7.110 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX047614.D
Acq: 17 Sep 2025 13:45

Instrument :
MSVOA_X
ClientSampleId :
RE122D1-20250909

Tgt Ion:130 Resp: 605036

Ion	Ratio	Lower	Upper
130	100		
95	103.6	0.0	210.8

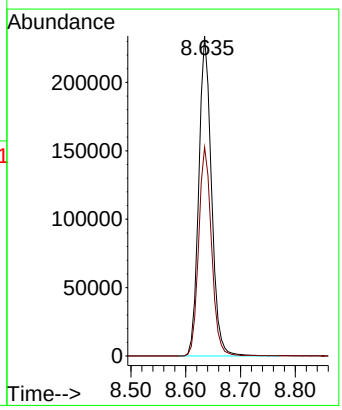


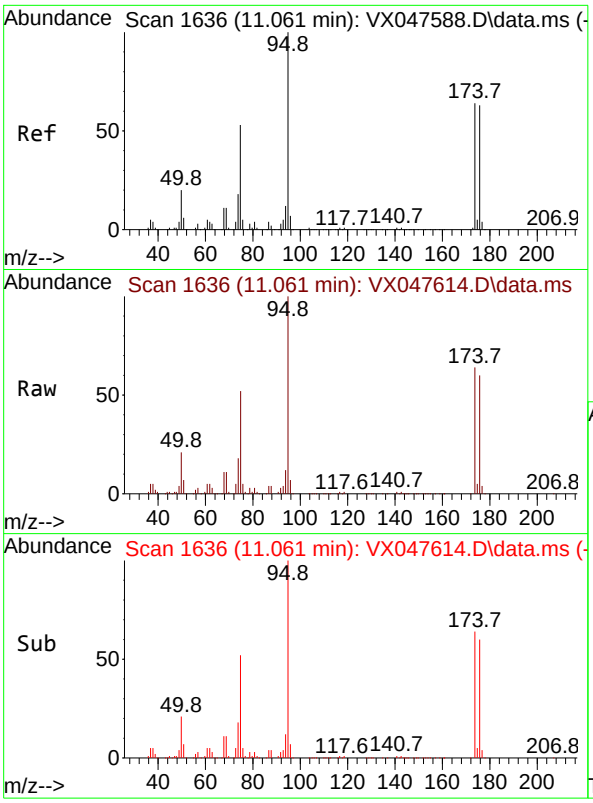


#50
Toluene-d8
Concen: 48.246 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX047614.D
Acq: 17 Sep 2025 13:45

Tgt Ion: 98 Resp: 377035

Ion	Ratio	Lower	Upper
98	100		
100	66.3	53.0	79.4



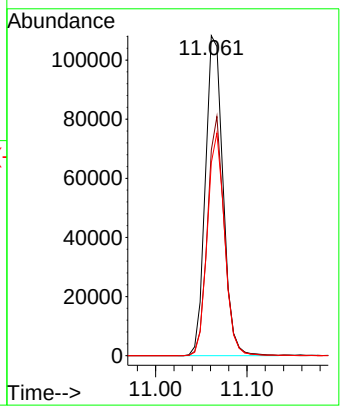


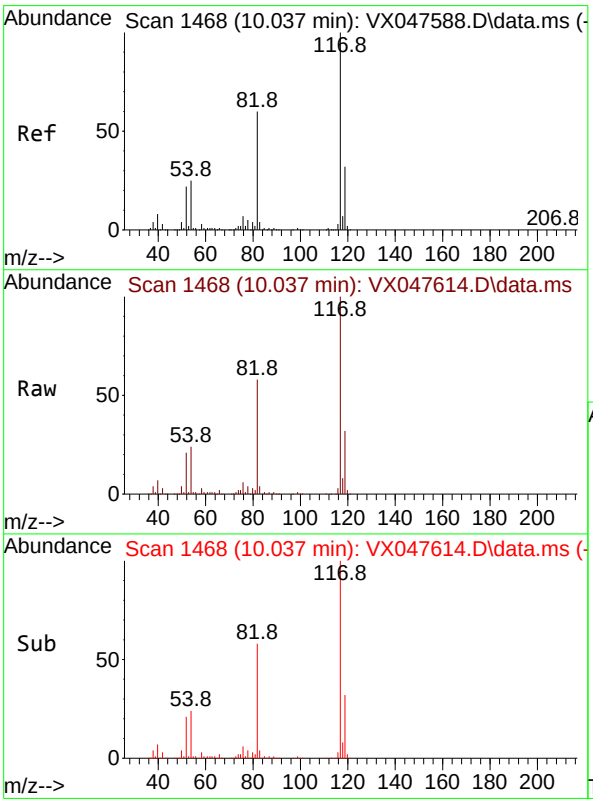
#62
4-Bromofluorobenzene
Concen: 48.835 ug/l
RT: 11.061 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047614.D
Acq: 17 Sep 2025 13:45

Instrument :
MSVOA_X
ClientSampleId :
RE122D1-20250909

Tgt Ion: 95 Resp: 144836

Ion	Ratio	Lower	Upper
95	100		
174	71.3	0.0	141.6
176	68.2	0.0	138.4

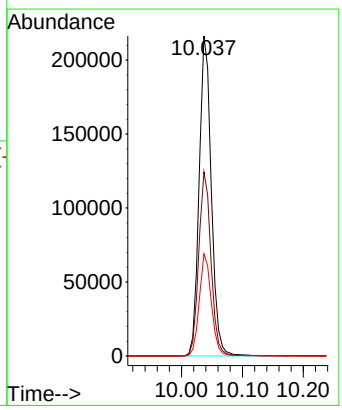


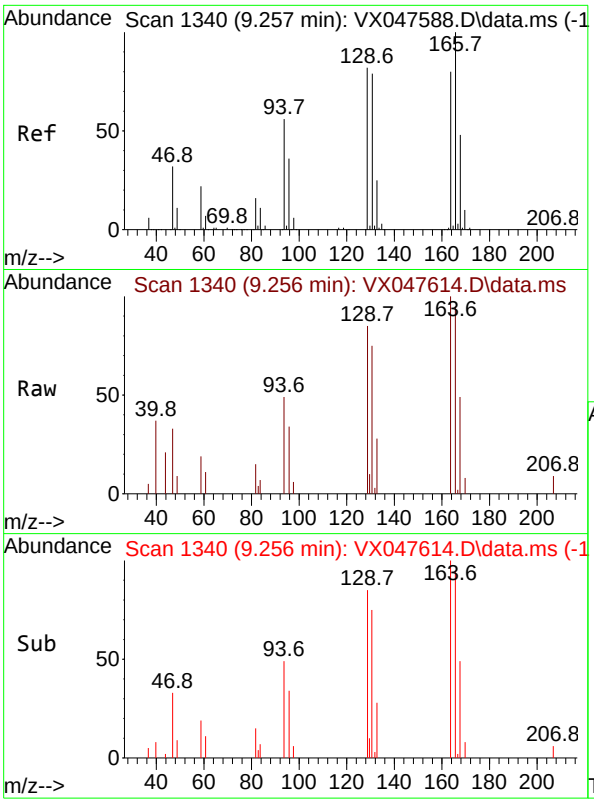


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX047614.D
Acq: 17 Sep 2025 13:45

Tgt Ion:117 Resp: 299325

Ion	Ratio	Lower	Upper
117	100		
82	57.5	47.8	71.6
119	31.9	25.2	37.8



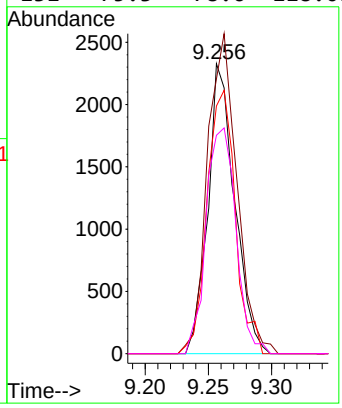


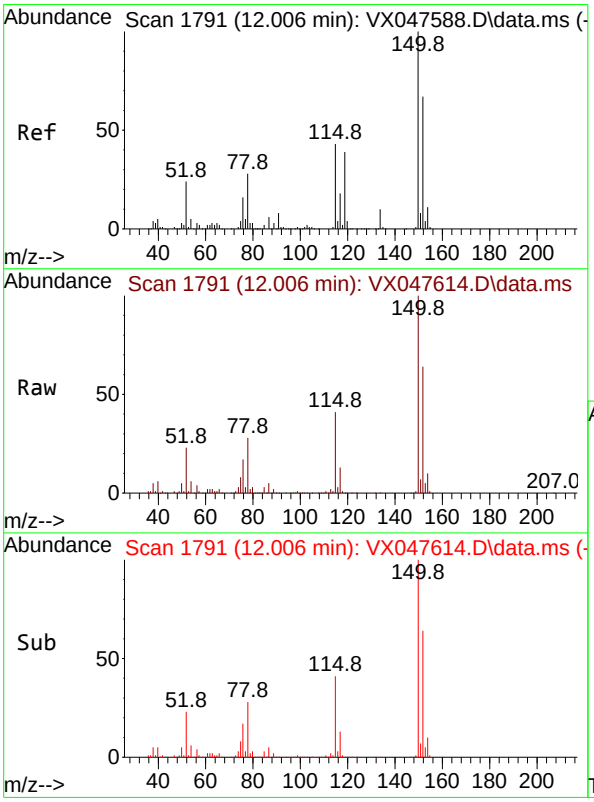
#64
Tetrachloroethene
Concen: 1.764 ug/l
RT: 9.256 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047614.D
Acq: 17 Sep 2025 13:45

Instrument :
MSVOA_X
ClientSampleId :
RE122D1-20250909

Tgt Ion:164 Resp: 3442

Ion	Ratio	Lower	Upper
164	100		
166	94.7	100.2	150.2#
129	85.4	81.8	122.6
131	75.3	78.6	118.0#

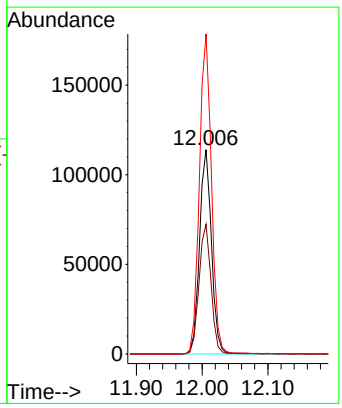




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047614.D
Acq: 17 Sep 2025 13:45

Tgt Ion:152 Resp: 143619

Ion	Ratio	Lower	Upper
152	100		
115	63.6	44.9	134.5
150	158.4	0.0	352.0



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:	09/09/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/12/25
Client Sample ID:	RE122D1-20250909DL	SDG No.:	Q3095
Lab Sample ID:	Q3095-11DL	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047636.D	5	09/18/25 13:37	VX091825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	2.50	UD	1.10	2.50	5.00	ug/L
74-87-3	Chloromethane	2.50	UD	1.60	2.50	5.00	ug/L
75-01-4	Vinyl Chloride	3.80	UD	1.30	3.80	5.00	ug/L
74-83-9	Bromomethane	18.8	UD	7.20	18.8	25.0	ug/L
75-00-3	Chloroethane	3.80	UD	2.40	3.80	5.00	ug/L
75-69-4	Trichlorofluoromethane	2.50	UD	1.70	2.50	5.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1.80	JD	1.30	2.50	5.00	ug/L
75-35-4	1,1-Dichloroethene	3.80	UD	1.20	3.80	5.00	ug/L
67-64-1	Acetone	18.8	UD	7.60	18.8	25.0	ug/L
75-15-0	Carbon Disulfide	3.80	UD	1.10	3.80	5.00	ug/L
1634-04-4	Methyl tert-butyl Ether	2.50	UD	0.80	2.50	5.00	ug/L
79-20-9	Methyl Acetate	3.80	UD	1.40	3.80	5.00	ug/L
75-09-2	Methylene Chloride	2.50	UD	1.40	2.50	5.00	ug/L
156-60-5	trans-1,2-Dichloroethene	2.50	UD	1.20	2.50	5.00	ug/L
75-34-3	1,1-Dichloroethane	2.50	UD	1.20	2.50	5.00	ug/L
110-82-7	Cyclohexane	12.5	UD	7.30	12.5	25.0	ug/L
78-93-3	2-Butanone	12.5	UD	4.90	12.5	25.0	ug/L
56-23-5	Carbon Tetrachloride	2.50	UD	1.30	2.50	5.00	ug/L
156-59-2	cis-1,2-Dichloroethene	3.80	UD	0.95	3.80	5.00	ug/L
74-97-5	Bromochloromethane	2.50	UDQ	1.10	2.50	5.00	ug/L
67-66-3	Chloroform	2.50	UD	1.30	2.50	5.00	ug/L
71-55-6	1,1,1-Trichloroethane	2.50	UD	1.00	2.50	5.00	ug/L
108-87-2	Methylcyclohexane	2.50	UD	0.80	2.50	5.00	ug/L
71-43-2	Benzene	2.50	UD	0.75	2.50	5.00	ug/L
107-06-2	1,2-Dichloroethane	2.50	UD	1.10	2.50	5.00	ug/L
79-01-6	Trichloroethene	270	D	0.47	3.80	5.00	ug/L
78-87-5	1,2-Dichloropropane	2.50	UD	1.00	2.50	5.00	ug/L
75-27-4	Bromodichloromethane	2.50	UD	1.10	2.50	5.00	ug/L
108-10-1	4-Methyl-2-Pentanone	12.5	UD	3.40	12.5	25.0	ug/L
108-88-3	Toluene	2.50	UD	0.70	2.50	5.00	ug/L

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	09/09/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/12/25
Client Sample ID:	RE122D1-20250909DL	SDG No.:	Q3095
Lab Sample ID:	Q3095-11DL	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047636.D	5	09/18/25 13:37	VX091825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	2.50	UD	0.85	2.50	5.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	2.50	UD	0.80	2.50	5.00	ug/L
79-00-5	1,1,2-Trichloroethane	2.50	UD	1.10	2.50	5.00	ug/L
591-78-6	2-Hexanone	12.5	UD	4.50	12.5	25.0	ug/L
124-48-1	Dibromochloromethane	2.50	UD	0.90	2.50	5.00	ug/L
106-93-4	1,2-Dibromoethane	2.50	UD	0.75	2.50	5.00	ug/L
127-18-4	Tetrachloroethene	2.20	JD	1.20	2.50	5.00	ug/L
108-90-7	Chlorobenzene	2.50	UD	0.60	2.50	5.00	ug/L
100-41-4	Ethyl Benzene	2.50	UD	0.65	2.50	5.00	ug/L
179601-23-1	m/p-Xylenes	5.00	UD	1.20	5.00	10.0	ug/L
95-47-6	o-Xylene	2.50	UD	0.60	2.50	5.00	ug/L
100-42-5	Styrene	2.50	UD	0.75	2.50	5.00	ug/L
75-25-2	Bromoform	2.50	UD	0.95	2.50	5.00	ug/L
98-82-8	Isopropylbenzene	2.50	UD	0.60	2.50	5.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	2.50	UD	1.30	2.50	5.00	ug/L
541-73-1	1,3-Dichlorobenzene	2.50	UD	0.80	2.50	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	2.50	UD	0.95	2.50	5.00	ug/L
95-50-1	1,2-Dichlorobenzene	2.50	UD	0.80	2.50	5.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	3.80	UD	2.70	3.80	5.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	2.50	UD	1.00	2.50	5.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	3.80	UD	1.00	3.80	5.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	51.7		81 - 118		103%	SPK: 50
1868-53-7	Dibromofluoromethane	50.2		80 - 119		100%	SPK: 50
2037-26-5	Toluene-d8	50.6		89 - 112		101%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.7		85 - 114		103%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	174000	5.538				
540-36-3	1,4-Difluorobenzene	318000	6.745				
3114-55-4	Chlorobenzene-d5	290000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	144000	12.006				

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:	09/09/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/12/25
Client Sample ID:	RE122D1-20250909DL	SDG No.:	Q3095
Lab Sample ID:	Q3095-11DL	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047636.D	5	09/18/25 13:37	VX091825

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\VX091825\
Data File : VX047636.D
Acq On : 18 Sep 2025 13:37
Operator : JC/MD
Sample : Q3095-11DL 5X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RE122D1-20250909DL

Quant Time: Sep 19 01:30:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

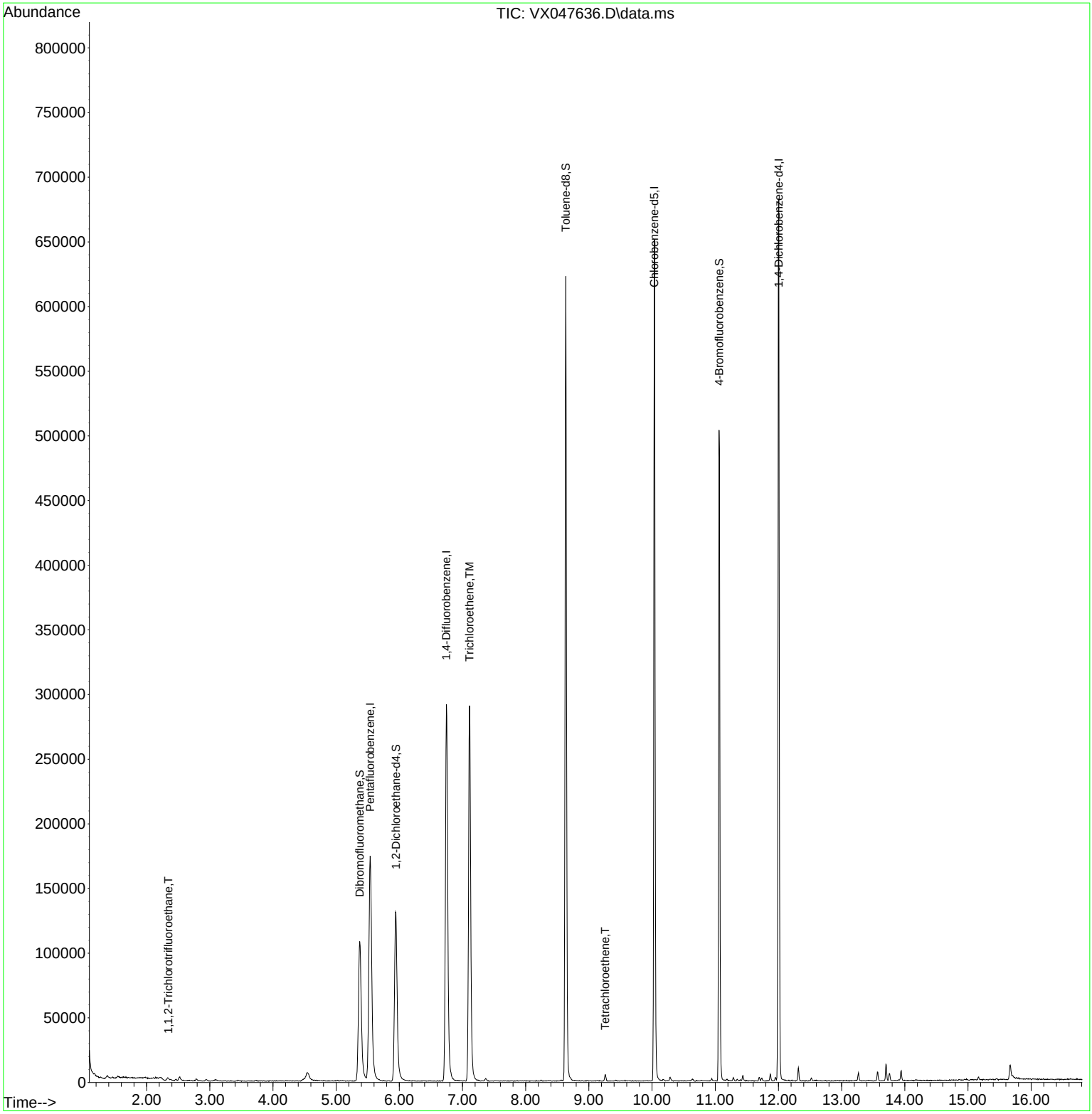
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.538	168	174332	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	317792	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	290497	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	143980	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	143589	51.745	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 103.500%			
35) Dibromofluoromethane	5.373	113	106906	50.160	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.320%			
50) Toluene-d8	8.635	98	373354	50.626	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 101.260%			
62) 4-Bromofluorobenzene	11.061	95	144794	51.734	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 103.460%			
Target Compounds						Qvalue
9) 1,1,2-Trichlorotrifluo...	2.343	101	733	0.364	ug/l #	85
44) Trichloroethene	7.111	130	122156	53.417	ug/l	100
64) Tetrachloroethene	9.256	164	838	0.443	ug/l #	89

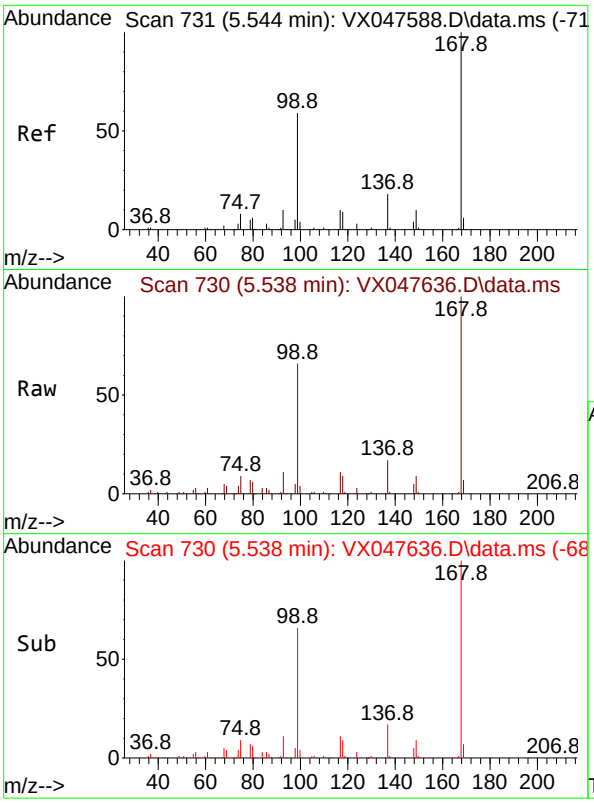
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091825\
Data File : VX047636.D
Acq On : 18 Sep 2025 13:37
Operator : JC/MD
Sample : Q3095-11DL 5X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RE122D1-20250909DL

Quant Time: Sep 19 01:30:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



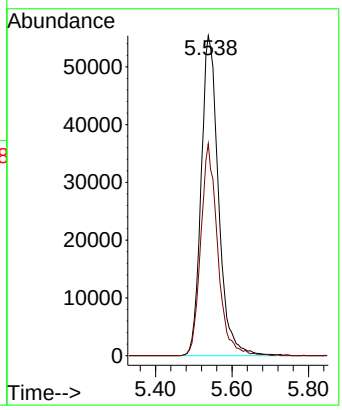


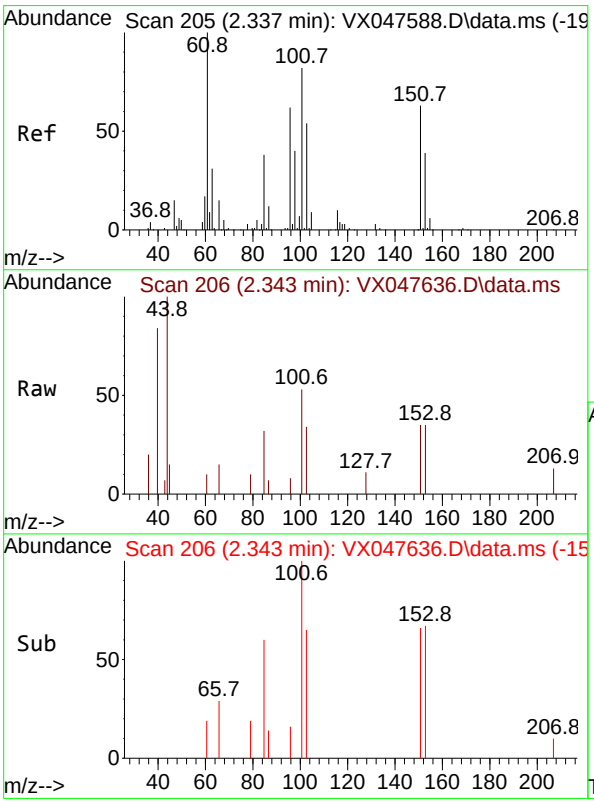
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047636.D
Acq: 18 Sep 2025 13:37

Instrument :
MSVOA_X
ClientSampleId :
RE122D1-20250909DL

Tgt Ion:168 Resp: 174332

Ion	Ratio	Lower	Upper
168	100		
99	66.2	48.8	73.2

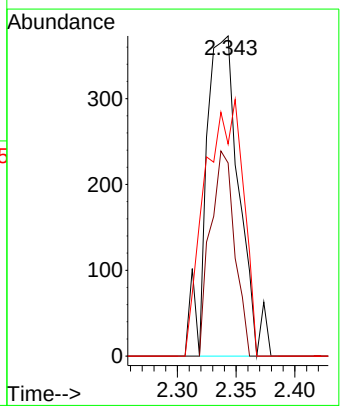


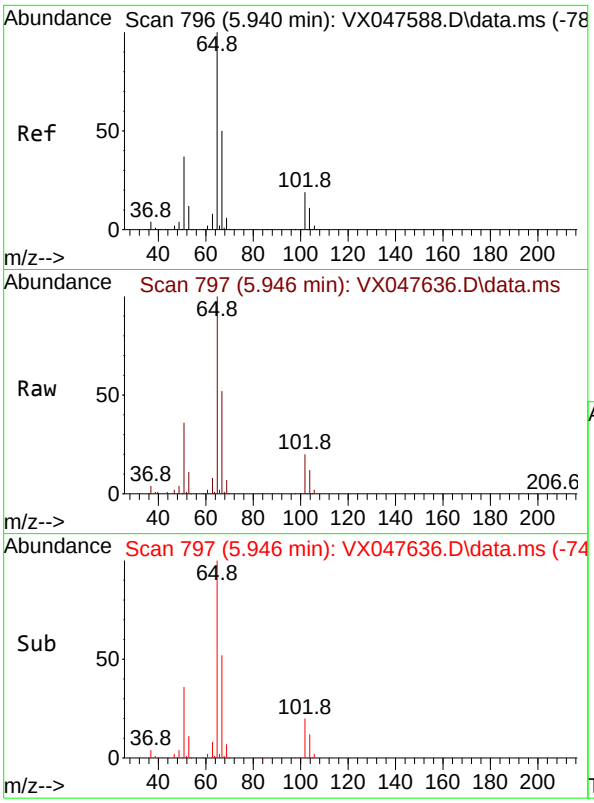


#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.364 ug/l
RT: 2.343 min Scan# 206
Delta R.T. 0.006 min
Lab File: VX047636.D
Acq: 18 Sep 2025 13:37

Tgt Ion:101 Resp: 733

Ion	Ratio	Lower	Upper
101	100		
85	47.1	35.5	53.3
151	92.2	59.4	89.0#



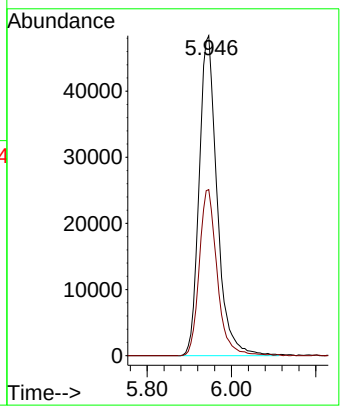


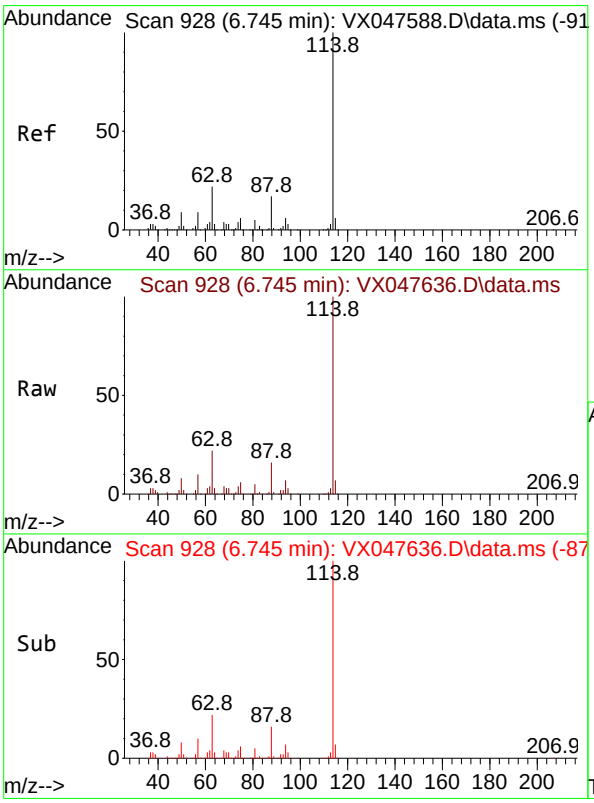
#33
1,2-Dichloroethane-d4
Concen: 51.745 ug/l
RT: 5.946 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047636.D
Acq: 18 Sep 2025 13:37

Instrument :
MSVOA_X
ClientSampleId :
RE122D1-20250909DL

Tgt Ion: 65 Resp: 143589

Ion	Ratio	Lower	Upper
65	100		
67	51.6	0.0	103.0

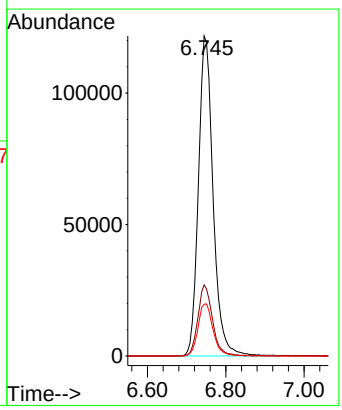


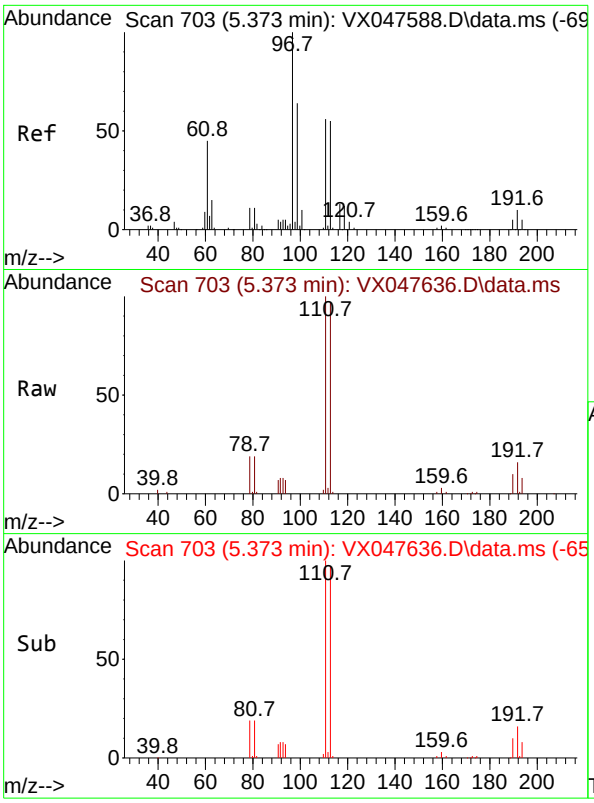


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 928
Delta R.T. -0.000 min
Lab File: VX047636.D
Acq: 18 Sep 2025 13:37

Tgt Ion:114 Resp: 317792

Ion	Ratio	Lower	Upper
114	100		
63	22.2	0.0	44.0
88	16.2	0.0	34.2



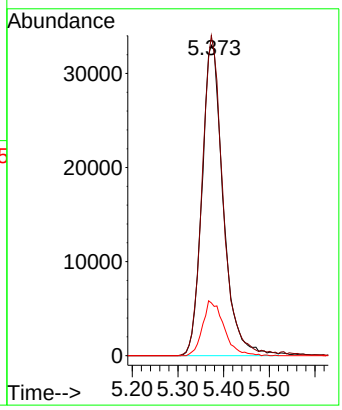


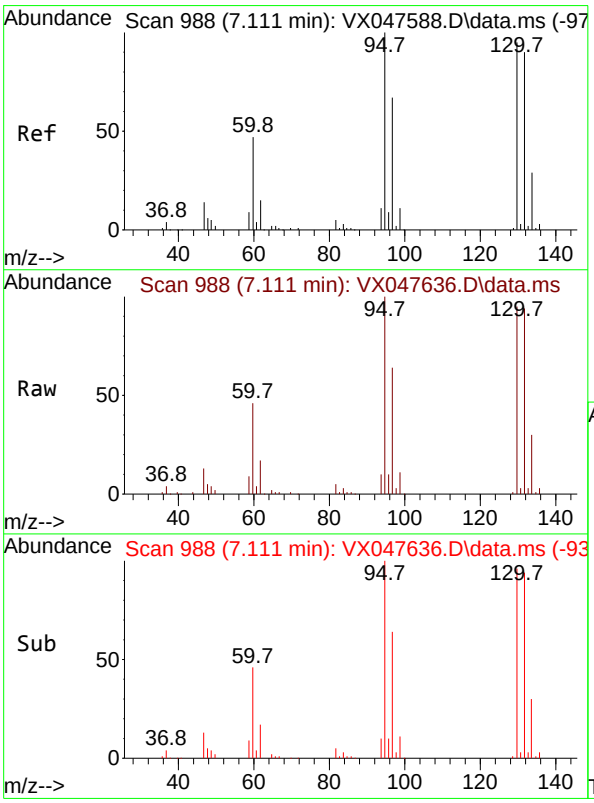
#35
Dibromofluoromethane
Concen: 50.160 ug/l
RT: 5.373 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047636.D
Acq: 18 Sep 2025 13:37

Instrument :
MSVOA_X
ClientSampleId :
RE122D1-20250909DL

Tgt Ion:113 Resp: 106906

Ion	Ratio	Lower	Upper
113	100		
111	101.0	80.9	121.3
192	17.8	14.2	21.4

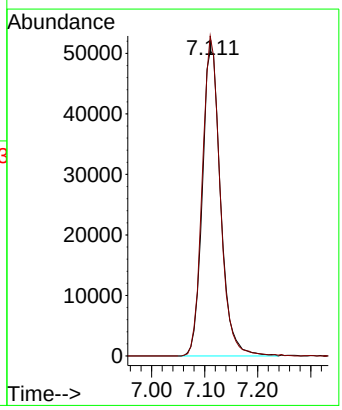


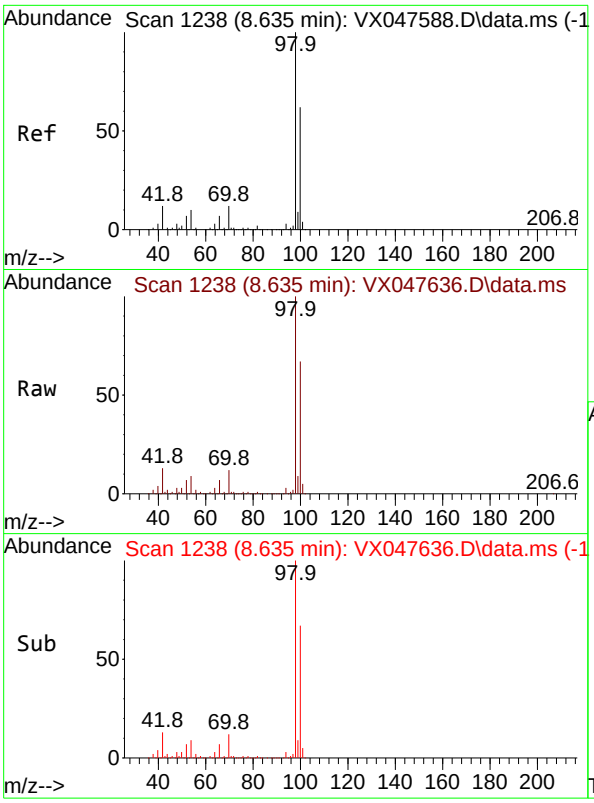


#44
Trichloroethene
Concen: 53.417 ug/l
RT: 7.111 min Scan# 988
Delta R.T. -0.000 min
Lab File: VX047636.D
Acq: 18 Sep 2025 13:37

Tgt Ion:130 Resp: 122156

Ion	Ratio	Lower	Upper
130	100		
95	104.9	0.0	210.8



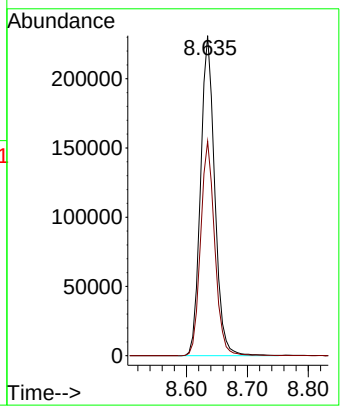


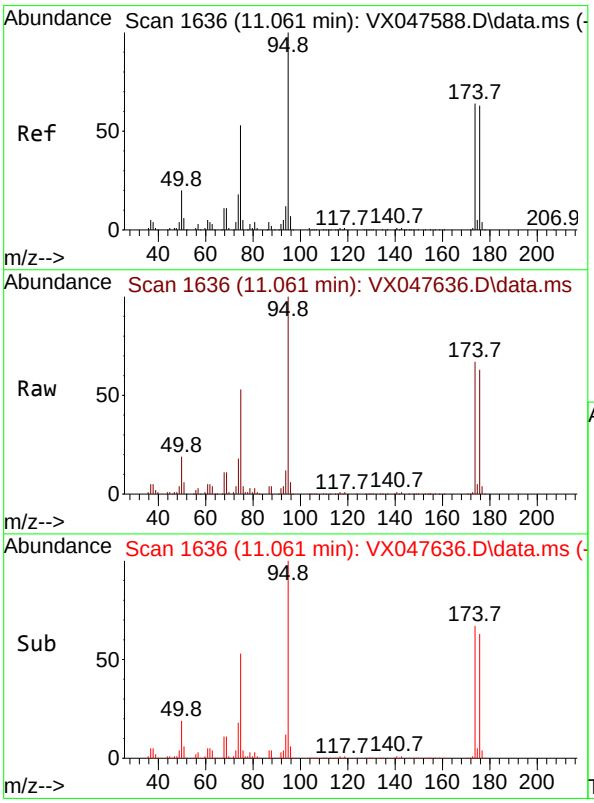
#50
Toluene-d8
Concen: 50.626 ug/l
RT: 8.635 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047636.D
Acq: 18 Sep 2025 13:37

Instrument :
MSVOA_X
ClientSampleId :
RE122D1-20250909DL

Tgt Ion: 98 Resp: 373354

Ion	Ratio	Lower	Upper
98	100		
100	66.7	53.0	79.4

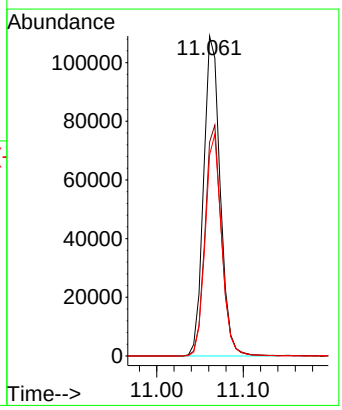


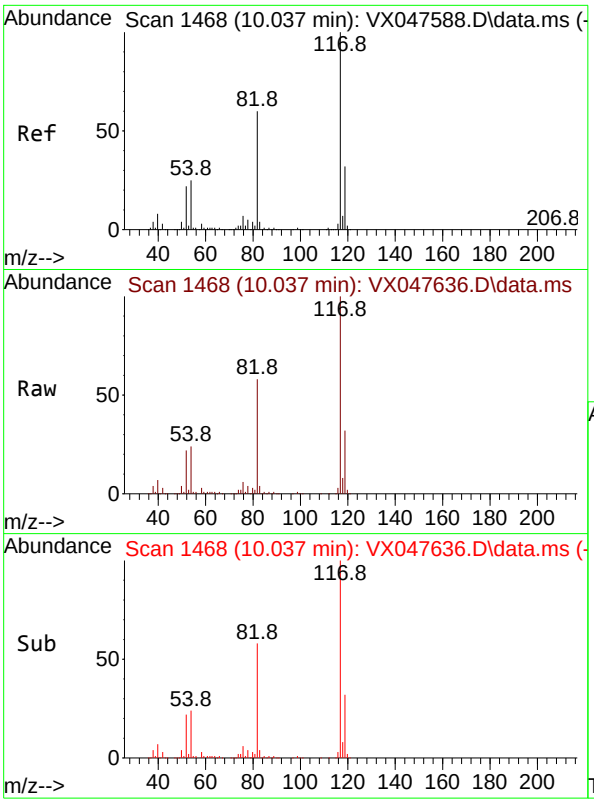


#62
4-Bromofluorobenzene
Concen: 51.734 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX047636.D
Acq: 18 Sep 2025 13:37

Tgt Ion: 95 Resp: 144794

Ion	Ratio	Lower	Upper
95	100		
174	71.6	0.0	141.6
176	68.7	0.0	138.4



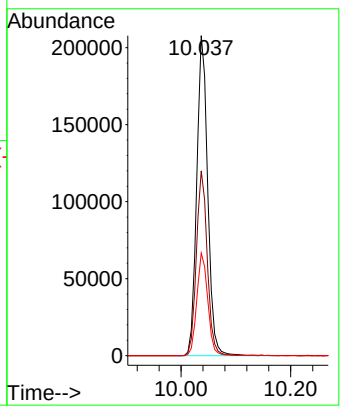


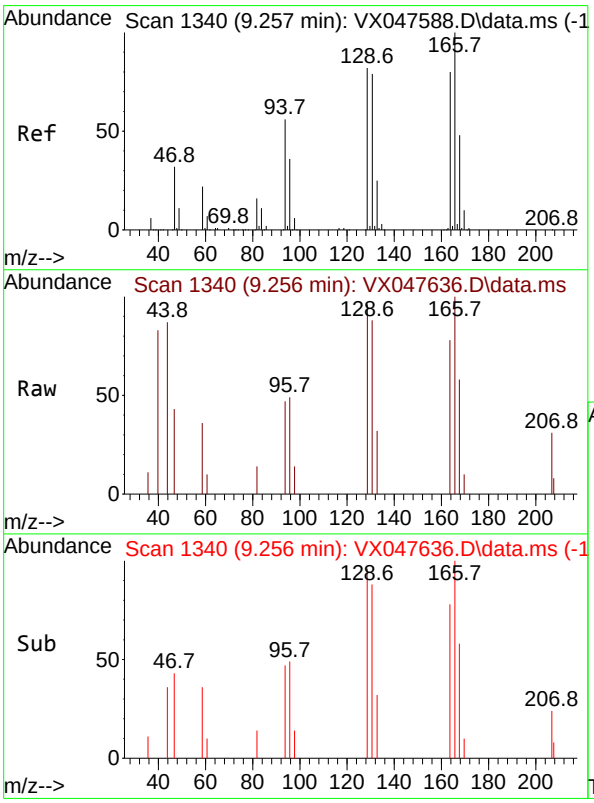
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047636.D
Acq: 18 Sep 2025 13:37

Instrument :
MSVOA_X
ClientSampleId :
RE122D1-20250909DL

Tgt Ion:117 Resp: 290497

Ion	Ratio	Lower	Upper
117	100		
82	57.8	47.8	71.6
119	32.1	25.2	37.8

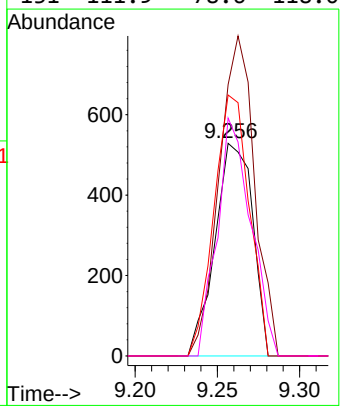


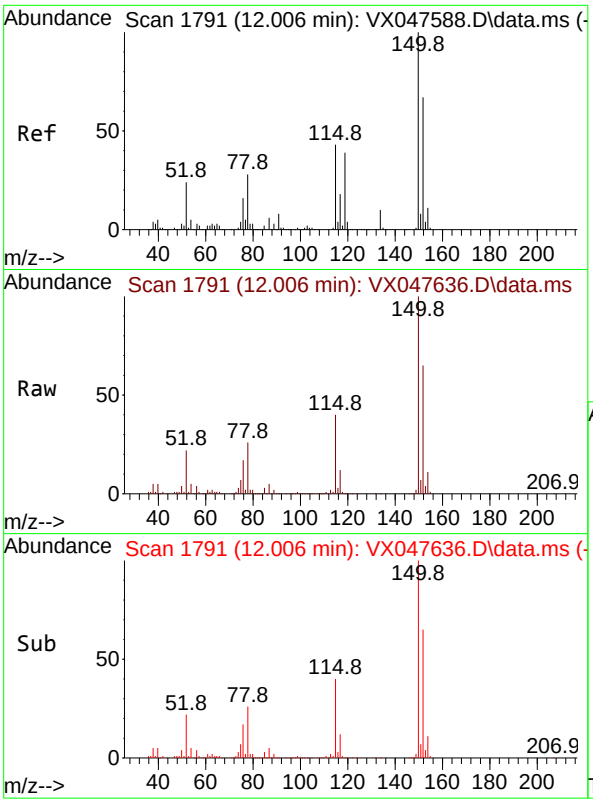


#64
Tetrachloroethene
Concen: 0.443 ug/l
RT: 9.256 min Scan# 1340
Delta R.T. -0.000 min
Lab File: VX047636.D
Acq: 18 Sep 2025 13:37

Tgt Ion:164 Resp: 838

Ion	Ratio	Lower	Upper
164	100		
166	127.6	100.2	150.2
129	122.7	81.8	122.6#
131	111.9	78.6	118.0



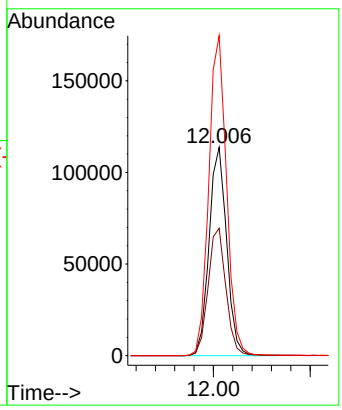


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047636.D
Acq: 18 Sep 2025 13:37

Instrument :
MSVOA_X
ClientSampleId :
RE122D1-20250909DL

Tgt Ion:152 Resp: 143980

Ion	Ratio	Lower	Upper
152	100		
115	61.9	44.9	134.5
150	154.7	0.0	352.0



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:	09/09/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/12/25
Client Sample ID:	MW202D-20250909	SDG No.:	Q3095
Lab Sample ID:	Q3095-12	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047641.D	1	09/18/25 15:22	VX091825

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	0.56	J	0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	UQ	0.22	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.16	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	4.60		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:	09/09/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/12/25
Client Sample ID:	MW202D-20250909	SDG No.:	Q3095
Lab Sample ID:	Q3095-12	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047641.D	1	09/18/25 15:22	VX091825

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	2.20		0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.12	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.15	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	55.0		81 - 118		110%	SPK: 50
1868-53-7	Dibromofluoromethane	54.7		80 - 119		109%	SPK: 50
2037-26-5	Toluene-d8	54.7		89 - 112		109%	SPK: 50
460-00-4	4-Bromofluorobenzene	55.7		85 - 114		111%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	185000	5.544				
540-36-3	1,4-Difluorobenzene	334000	6.751				
3114-55-4	Chlorobenzene-d5	301000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	144000	12.006				

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:	09/09/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/12/25
Client Sample ID:	MW202D-20250909	SDG No.:	Q3095
Lab Sample ID:	Q3095-12	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047641.D	1	09/18/25 15:22	VX091825

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\VX091825\
Data File : VX047641.D
Acq On : 18 Sep 2025 15:22
Operator : JC/MD
Sample : Q3095-12
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW202D-20250909

Quant Time: Sep 19 01:32:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

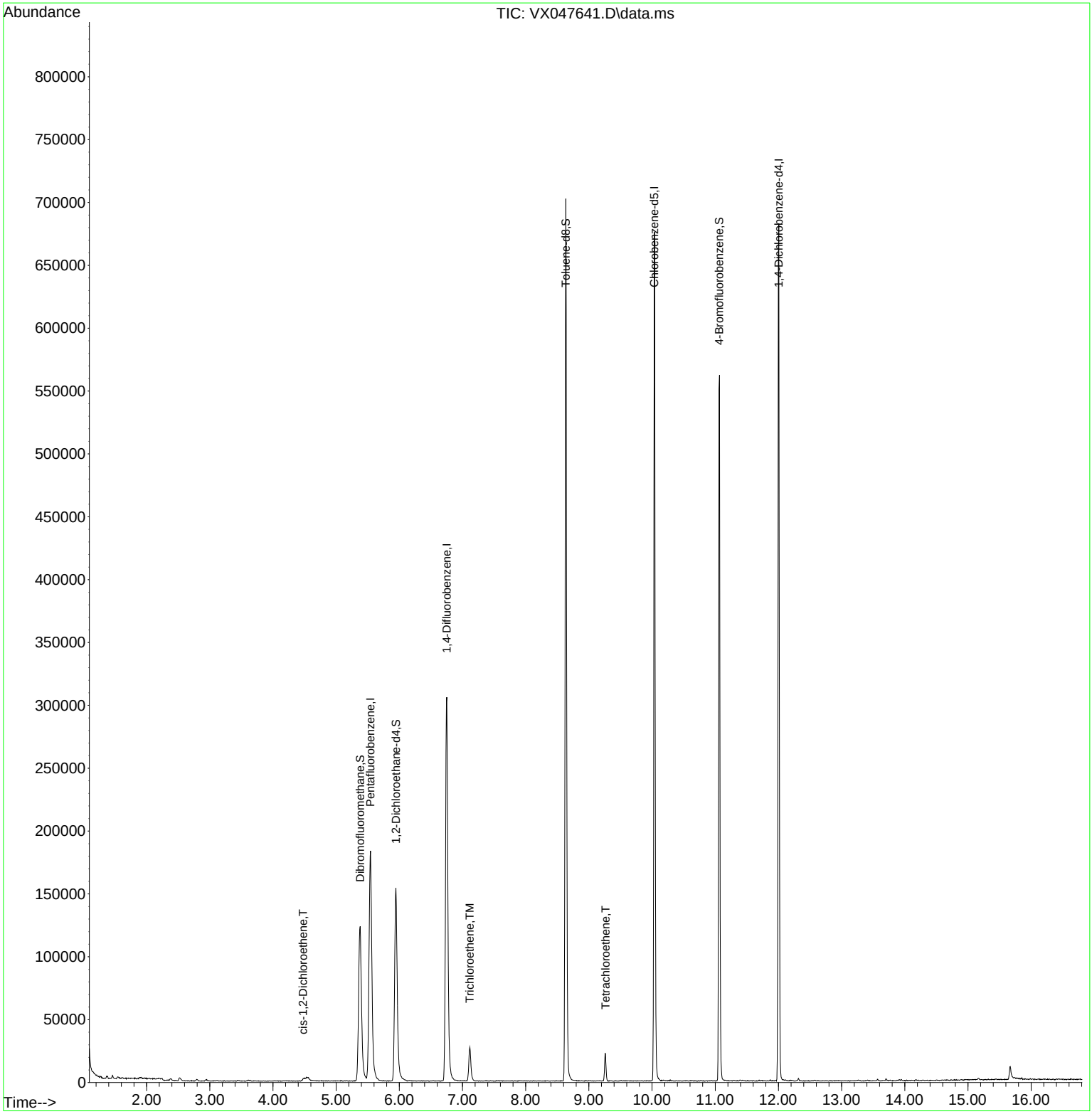
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	185198	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	333961	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	301489	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	144225	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	162054	54.973	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 109.940%			
35) Dibromofluoromethane	5.379	113	122491	54.690	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 109.380%			
50) Toluene-d8	8.634	98	423743	54.677	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 109.360%			
62) 4-Bromofluorobenzene	11.061	95	163779	55.684	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 111.360%			
Target Compounds						Qvalue
27) cis-1,2-Dichloroethene	4.477	96	1620	0.558	ug/l	90
44) Trichloroethene	7.116	130	11063	4.603	ug/l	94
64) Tetrachloroethene	9.262	164	4258	2.166	ug/l	94

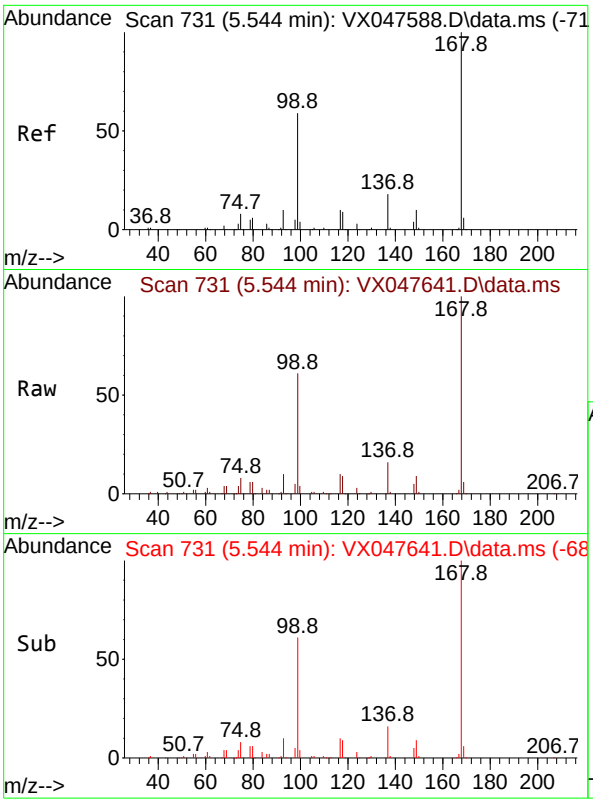
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091825\
Data File : VX047641.D
Acq On : 18 Sep 2025 15:22
Operator : JC/MD
Sample : Q3095-12
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW202D-20250909

Quant Time: Sep 19 01:32:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



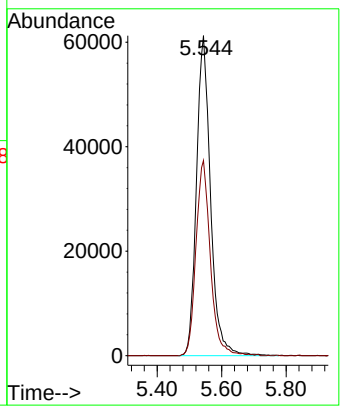


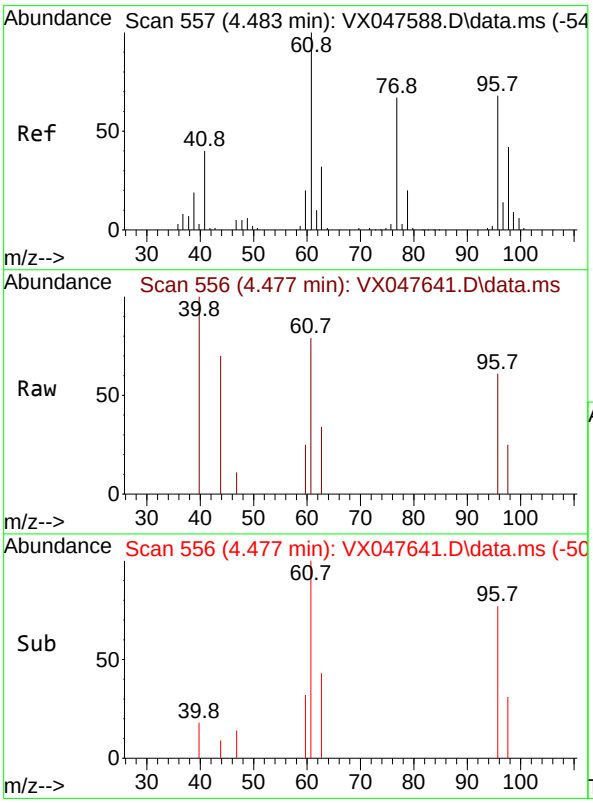
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047641.D
Acq: 18 Sep 2025 15:22

Instrument :
MSVOA_X
ClientSampleId :
MW202D-20250909

Tgt Ion:168 Resp: 185198

Ion	Ratio	Lower	Upper
168	100		
99	61.0	48.8	73.2

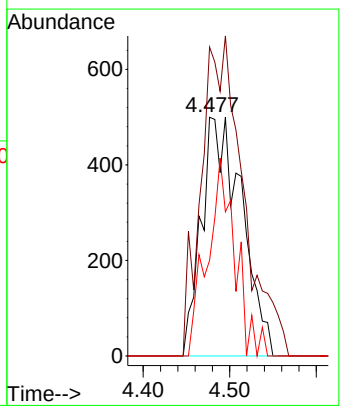


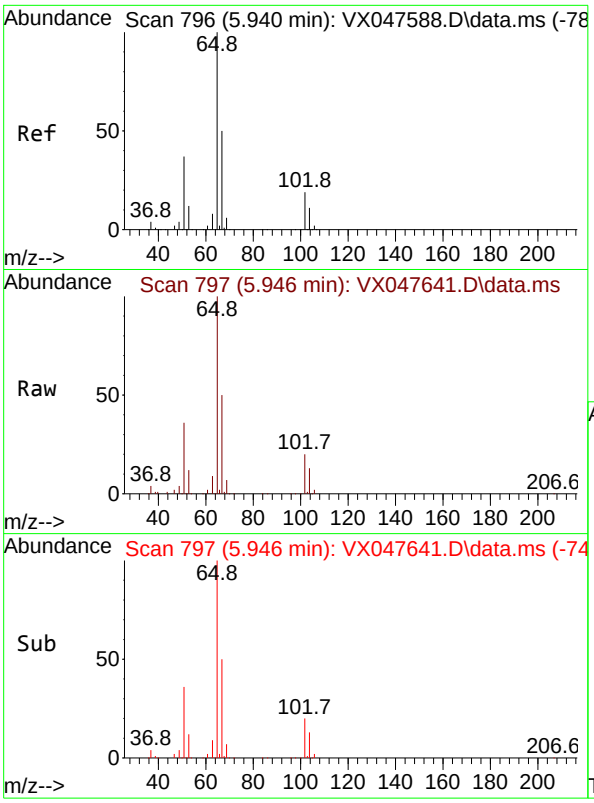


#27
cis-1,2-Dichloroethene
Concen: 0.558 ug/l
RT: 4.477 min Scan# 556
Delta R.T. -0.006 min
Lab File: VX047641.D
Acq: 18 Sep 2025 15:22

Tgt Ion: 96 Resp: 1620

Ion	Ratio	Lower	Upper
96	100		
61	138.6	0.0	303.2
98	56.9	0.0	127.8



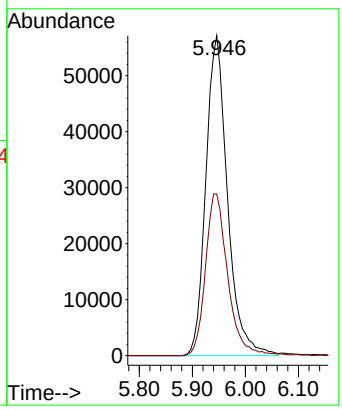


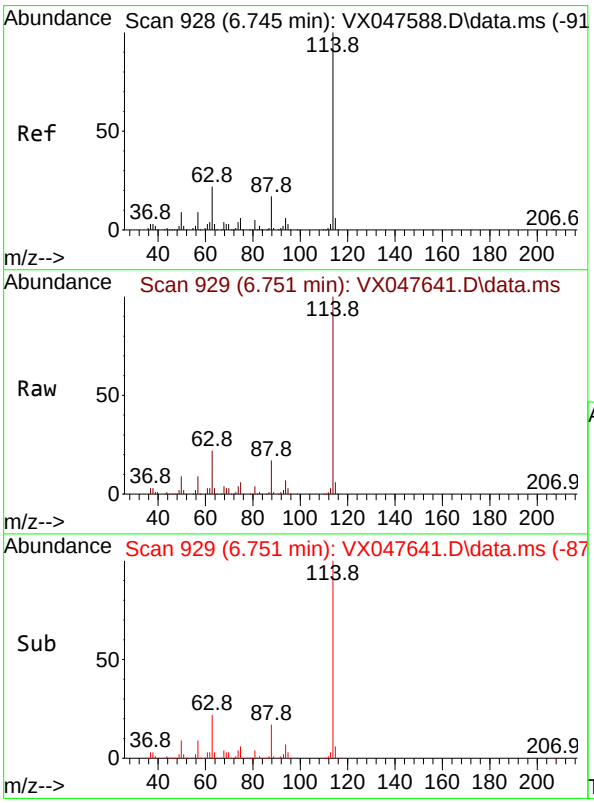
#33
1,2-Dichloroethane-d4
Concen: 54.973 ug/l
RT: 5.946 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047641.D
Acq: 18 Sep 2025 15:22

Instrument :
MSVOA_X
ClientSampleId :
MW202D-20250909

Tgt Ion: 65 Resp: 162054

Ion	Ratio	Lower	Upper
65	100		
67	52.0	0.0	103.0

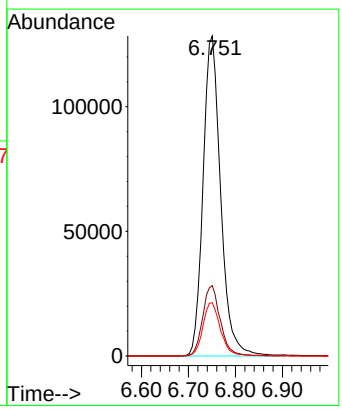


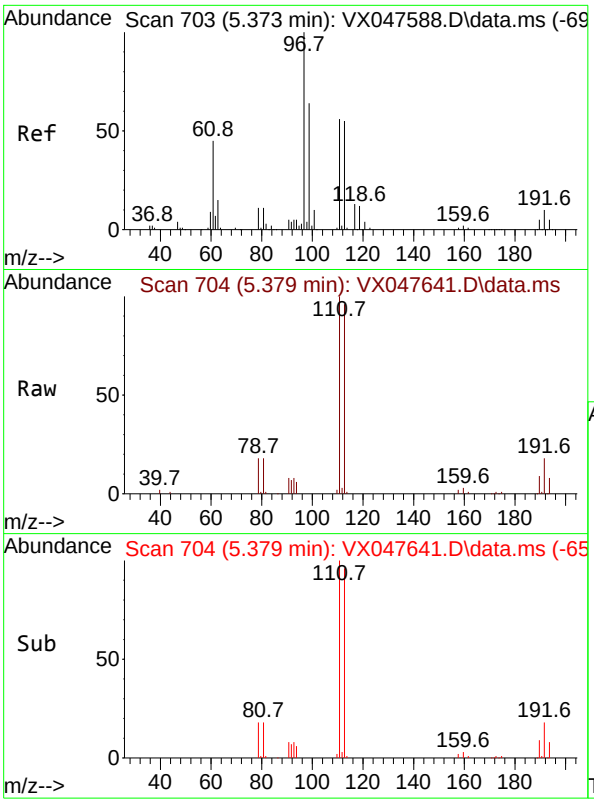


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 929
Delta R.T. 0.006 min
Lab File: VX047641.D
Acq: 18 Sep 2025 15:22

Tgt Ion:114 Resp: 333961

Ion	Ratio	Lower	Upper
114	100		
63	22.0	0.0	44.0
88	16.7	0.0	34.2



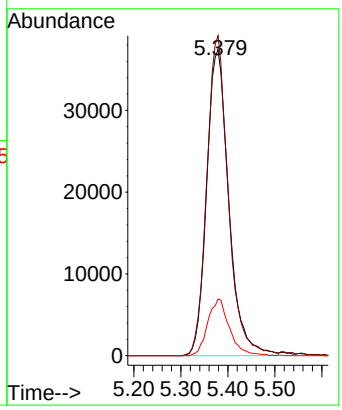


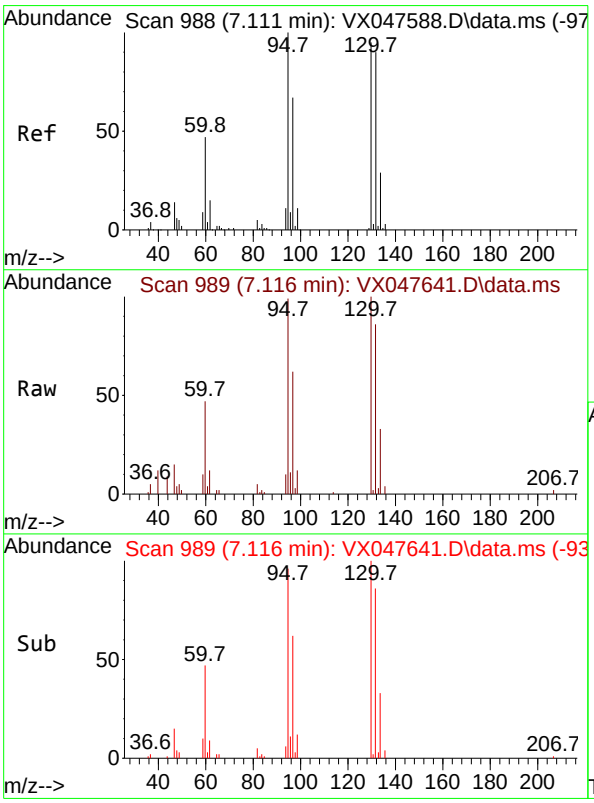
#35
Dibromofluoromethane
Concen: 54.690 ug/l
RT: 5.379 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047641.D
Acq: 18 Sep 2025 15:22

Instrument :
MSVOA_X
ClientSampleId :
MW202D-20250909

Tgt Ion:113 Resp: 122491

Ion	Ratio	Lower	Upper
113	100		
111	101.6	80.9	121.3
192	18.2	14.2	21.4

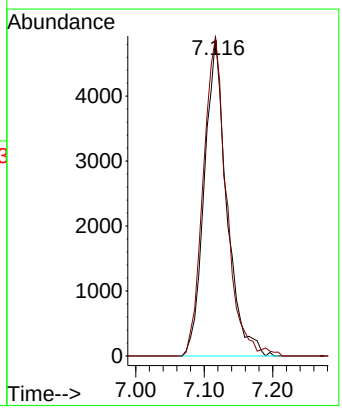


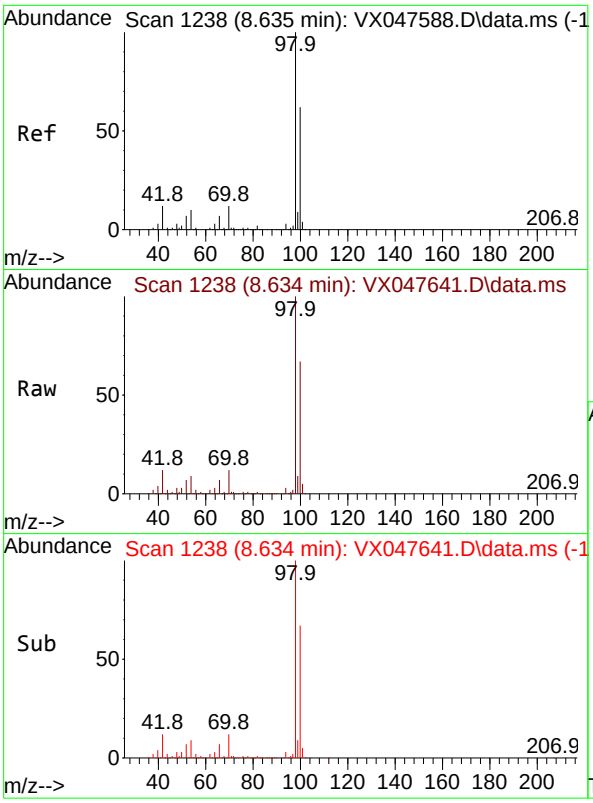


#44
Trichloroethene
Concen: 4.603 ug/l
RT: 7.116 min Scan# 989
Delta R.T. 0.006 min
Lab File: VX047641.D
Acq: 18 Sep 2025 15:22

Tgt Ion:130 Resp: 11063

Ion	Ratio	Lower	Upper
130	100		
95	99.4	0.0	210.8



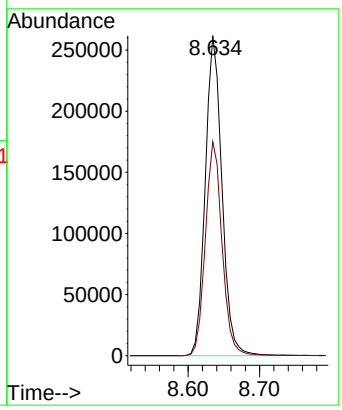


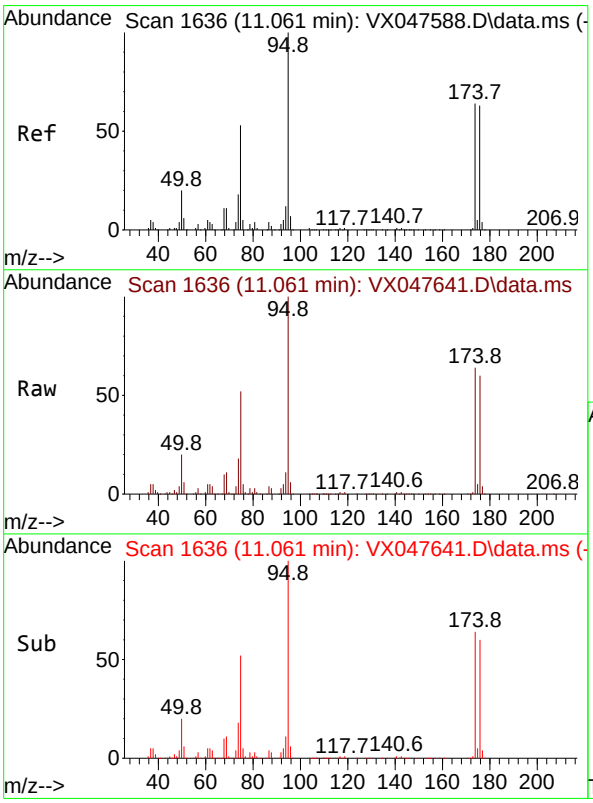
#50
Toluene-d8
Concen: 54.677 ug/l
RT: 8.634 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047641.D
Acq: 18 Sep 2025 15:22

Instrument :
MSVOA_X
ClientSampleId :
MW202D-20250909

Tgt Ion: 98 Resp: 423743

Ion	Ratio	Lower	Upper
98	100		
100	67.2	53.0	79.4

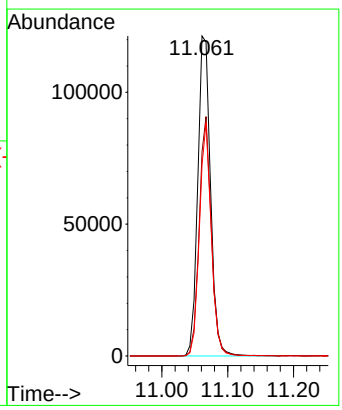


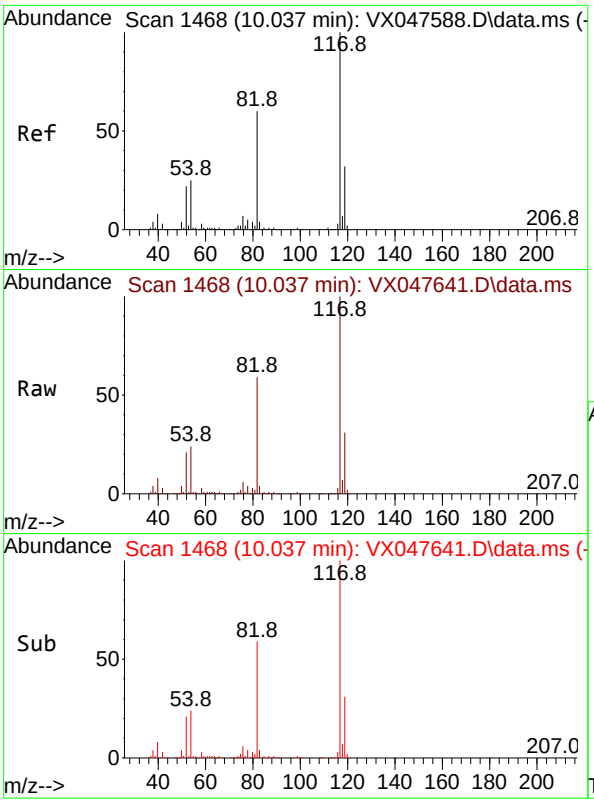


#62
4-Bromofluorobenzene
Concen: 55.684 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX047641.D
Acq: 18 Sep 2025 15:22

Tgt Ion: 95 Resp: 163779

Ion	Ratio	Lower	Upper
95	100		
174	70.8	0.0	141.6
176	67.7	0.0	138.4



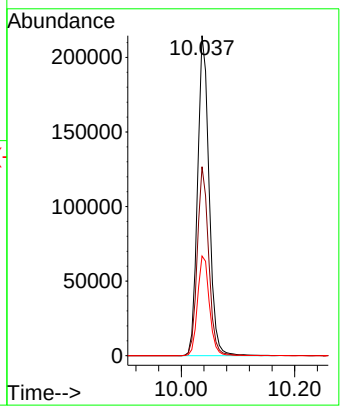


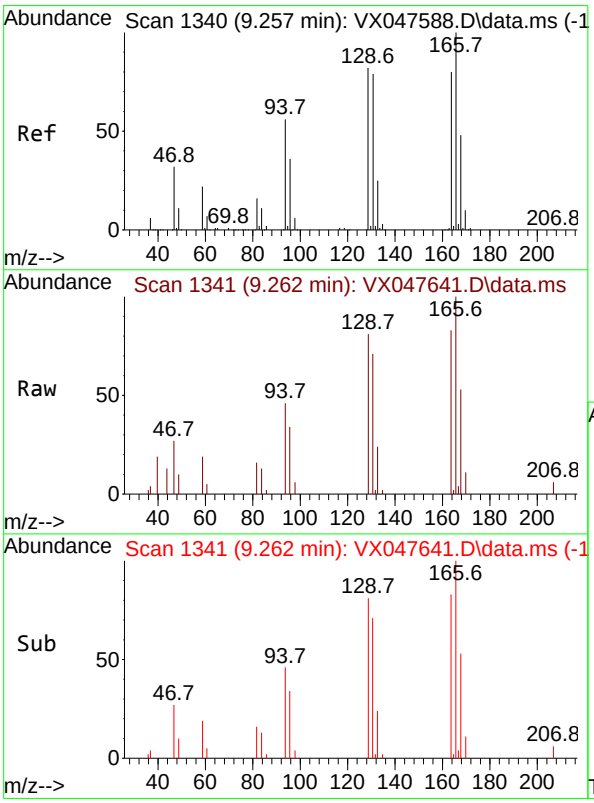
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047641.D
Acq: 18 Sep 2025 15:22

Instrument :
MSVOA_X
ClientSampleId :
MW202D-20250909

Tgt Ion:117 Resp: 301489

Ion	Ratio	Lower	Upper
117	100		
82	59.0	47.8	71.6
119	31.2	25.2	37.8

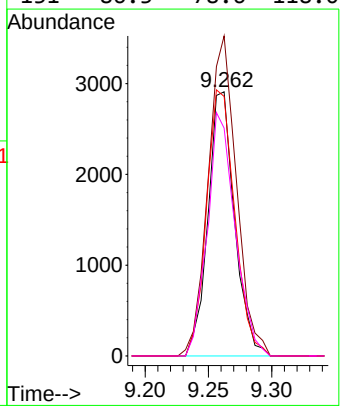


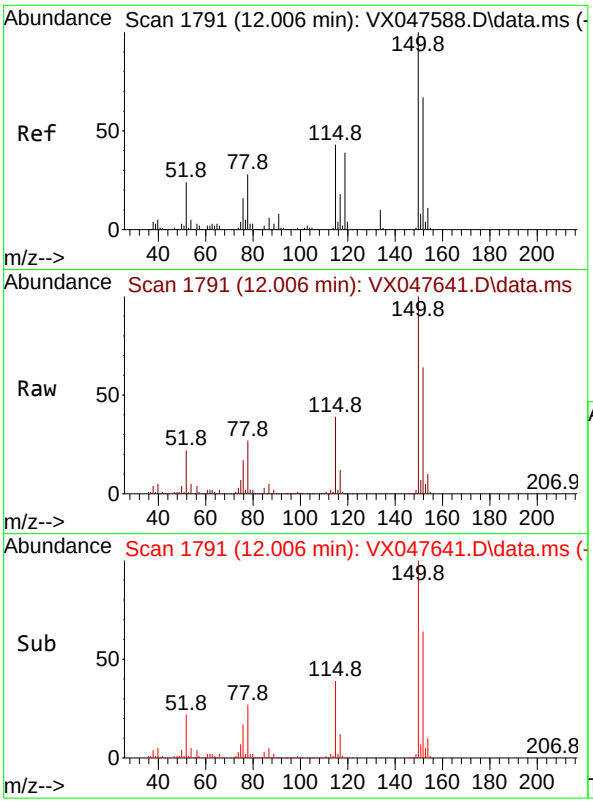


#64
Tetrachloroethene
Concen: 2.166 ug/l
RT: 9.262 min Scan# 1341
Delta R.T. 0.006 min
Lab File: VX047641.D
Acq: 18 Sep 2025 15:22

Tgt Ion:164 Resp: 4258

Ion	Ratio	Lower	Upper
164	100		
166	121.1	100.2	150.2
129	98.2	81.8	122.6
131	86.3	78.6	118.0



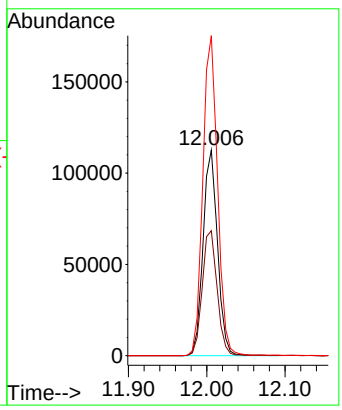


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047641.D
Acq: 18 Sep 2025 15:22

Instrument :
MSVOA_X
ClientSampleId :
MW202D-20250909

Tgt Ion:152 Resp: 144225

Ion	Ratio	Lower	Upper
152	100		
115	62.7	44.9	134.5
150	158.5	0.0	352.0



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:	09/09/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/12/25
Client Sample ID:	MW178I1-20250909	SDG No.:	Q3095
Lab Sample ID:	Q3095-13	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047616.D	1	09/17/25 14:27	VX091725

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	1.60		0.23	0.75	1.00	ug/L
67-64-1	Acetone	4.00	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	0.39	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	0.40	J	0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.92	J	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	27.0		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	370	E	0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	19.4		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:	09/09/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/12/25
Client Sample ID:	MW178I1-20250909	SDG No.:	Q3095
Lab Sample ID:	Q3095-13	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047616.D	1	09/17/25 14:27	VX091725

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	0.32	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	30.7		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	52.4		81 - 118		105%	SPK: 50
1868-53-7	Dibromofluoromethane	48.7		80 - 119		97%	SPK: 50
2037-26-5	Toluene-d8	46.6		89 - 112		93%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.3		85 - 114		97%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	180000	5.538				
540-36-3	1,4-Difluorobenzene	334000	6.745				
3114-55-4	Chlorobenzene-d5	295000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	144000	12.006				

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:	09/09/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/12/25
Client Sample ID:	MW178I1-20250909	SDG No.:	Q3095
Lab Sample ID:	Q3095-13	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047616.D	1	09/17/25 14:27	VX091725

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\VX091725\
Data File : VX047616.D
Acq On : 17 Sep 2025 14:27
Operator : JC/MD
Sample : Q3095-13
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW178I1-20250909

Quant Time: Sep 18 02:04:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

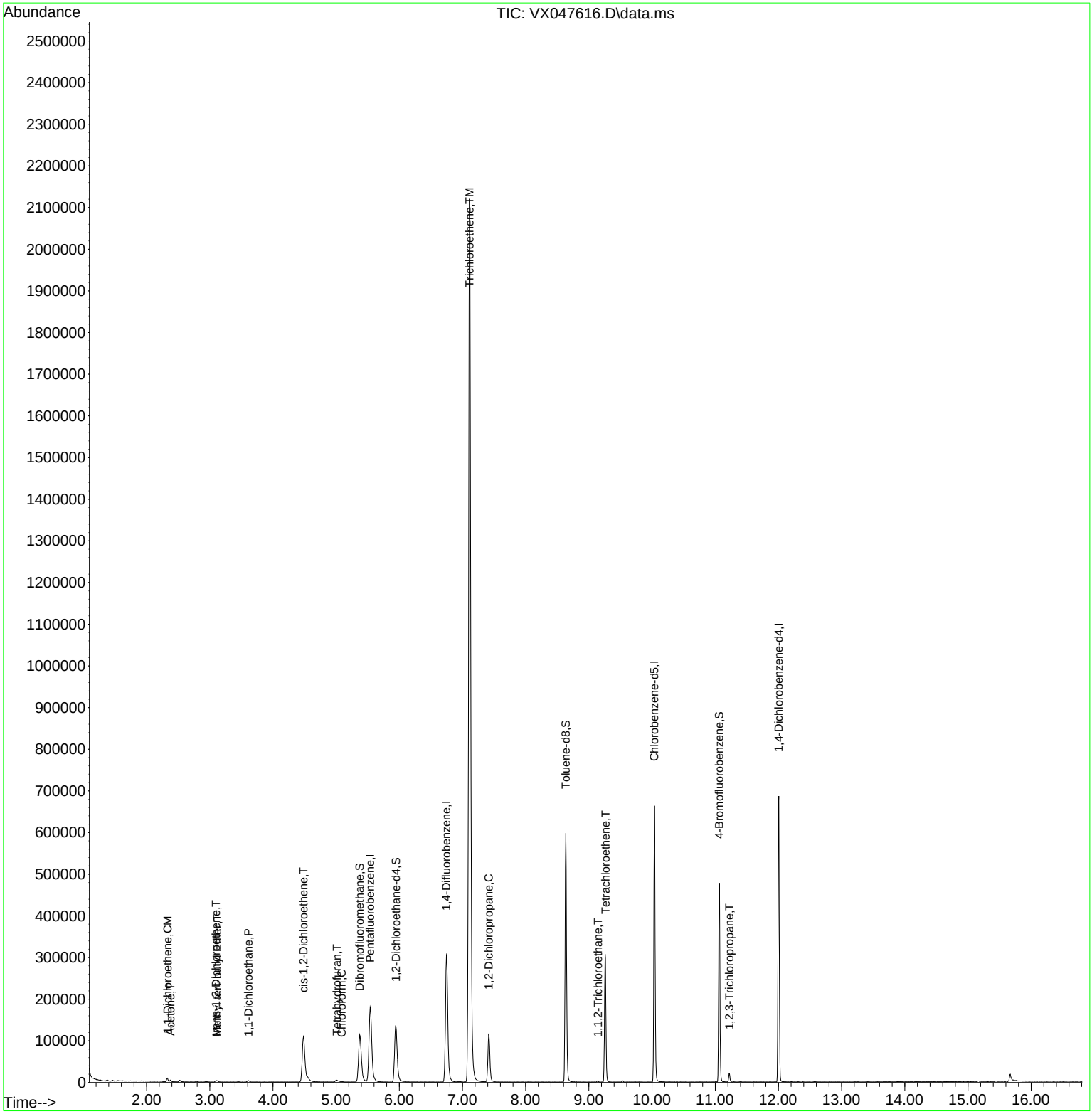
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.538	168	179708	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	6.745	114	333636	50.000	ug/l		0.00
63) Chlorobenzene-d5	10.037	117	295278	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	144330	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	5.946	65	149765	52.356	ug/l		0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 104.720%				
35) Dibromofluoromethane	5.373	113	108938	48.686	ug/l		0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.380%				
50) Toluene-d8	8.635	98	361127	46.643	ug/l		0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 93.280%				
62) 4-Bromofluorobenzene	11.061	95	141872	48.283	ug/l		0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 96.560%				
Target Compounds							Qvalue
12) 1,1-Dichloroethene	2.331	96	3509	1.643	ug/l		98
16) Acetone	2.380	43	5034	4.047	ug/l	#	86
19) Methyl tert-butyl Ether	3.117	73	3025	0.388	ug/l	#	88
21) trans-1,2-Dichloroethene	3.099	96	921	0.401	ug/l	#	79
24) 1,1-Dichloroethane	3.611	63	4188	0.923	ug/l	#	92
27) cis-1,2-Dichloroethene	4.483	96	75933	26.973	ug/l		91
29) Tetrahydrofuran	5.013	42	5234	5.608	ug/l	#	88
30) Chloroform	5.086	83	1116	0.243	ug/l		90
44) Trichloroethene	7.111	130	877789	365.617	ug/l		97
45) 1,2-Dichloropropane	7.415	63	49410	19.431	ug/l		96
55) 1,1,2-Trichloroethane	9.147	97	744	0.315	ug/l	#	68
64) Tetrachloroethene	9.263	164	59031	30.667	ug/l		97
76) 1,2,3-Trichloropropane	11.226	75	7457	2.552	ug/l		87

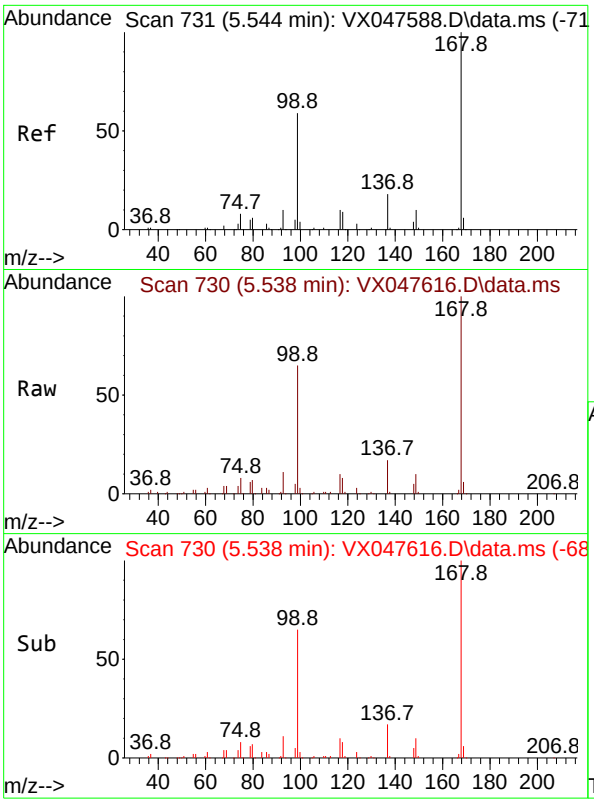
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091725\
Data File : VX047616.D
Acq On : 17 Sep 2025 14:27
Operator : JC/MD
Sample : Q3095-13
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW178I1-20250909

Quant Time: Sep 18 02:04:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



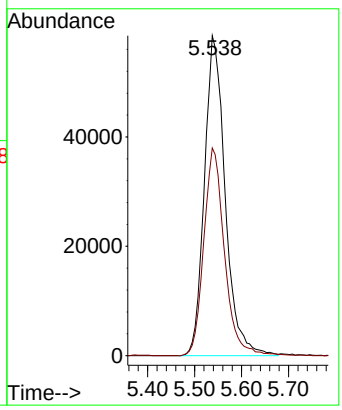


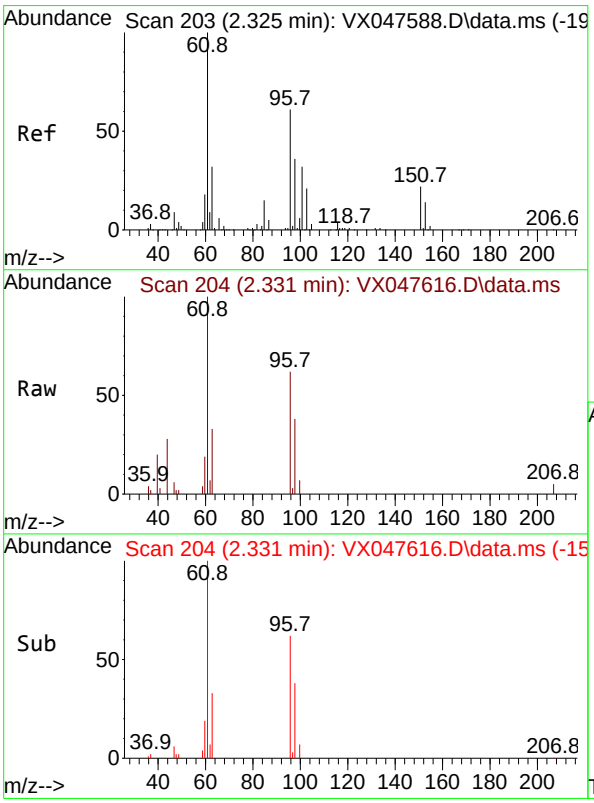
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047616.D
Acq: 17 Sep 2025 14:27

Instrument :
MSVOA_X
ClientSampleId :
MW178I1-20250909

Tgt Ion:168 Resp: 179708

Ion	Ratio	Lower	Upper
168	100		
99	64.9	48.8	73.2

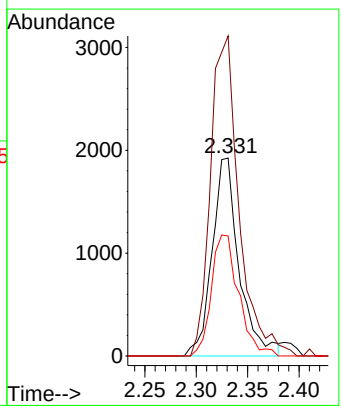


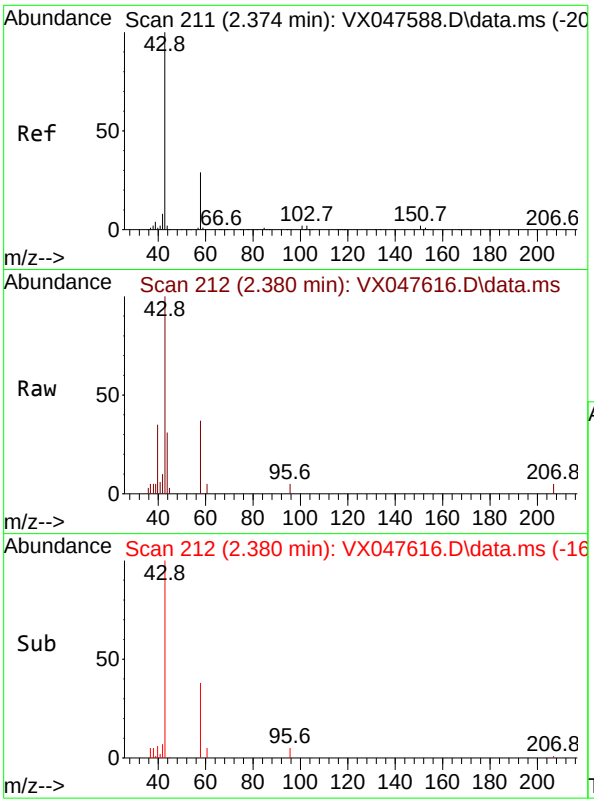


#12
1,1-Dichloroethene
Concen: 1.643 ug/l
RT: 2.331 min Scan# 204
Delta R.T. 0.006 min
Lab File: VX047616.D
Acq: 17 Sep 2025 14:27

Tgt Ion: 96 Resp: 3509

Ion	Ratio	Lower	Upper
96	100		
61	161.7	131.0	196.6
98	60.7	47.7	71.5



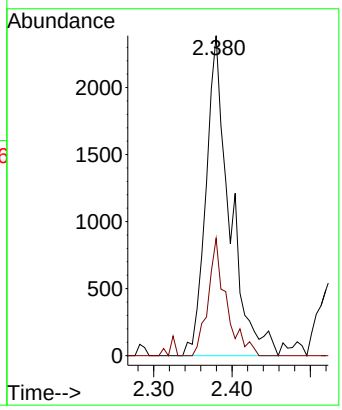


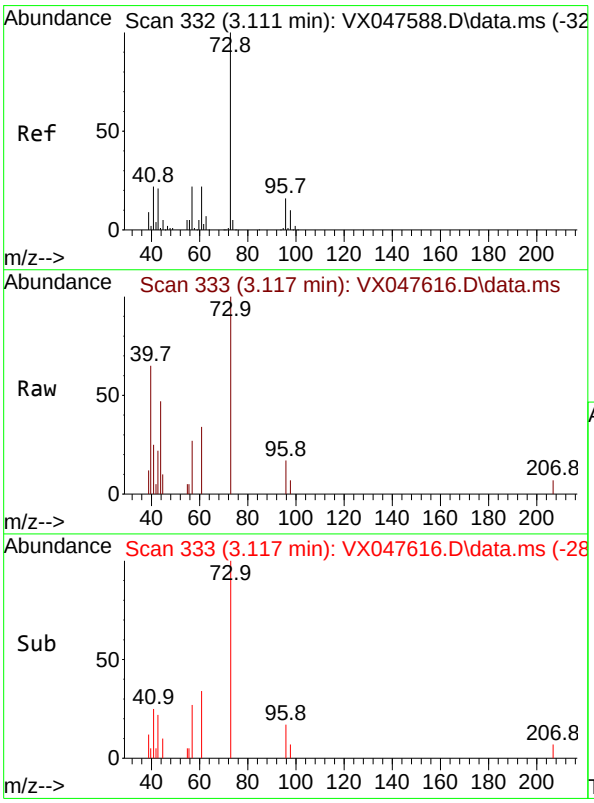
#16
Acetone
Concen: 4.047 ug/l
RT: 2.380 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX047616.D
Acq: 17 Sep 2025 14:27

Instrument :
MSVOA_X
ClientSampleId :
MW178I1-20250909

Tgt Ion: 43 Resp: 5034

Ion	Ratio	Lower	Upper
43	100		
58	36.7	23.4	35.0#

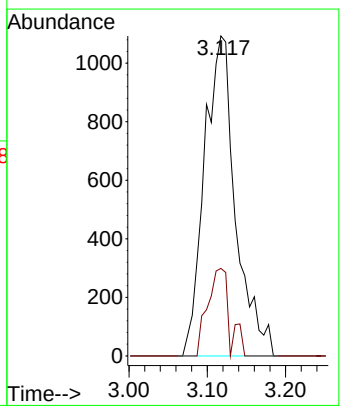


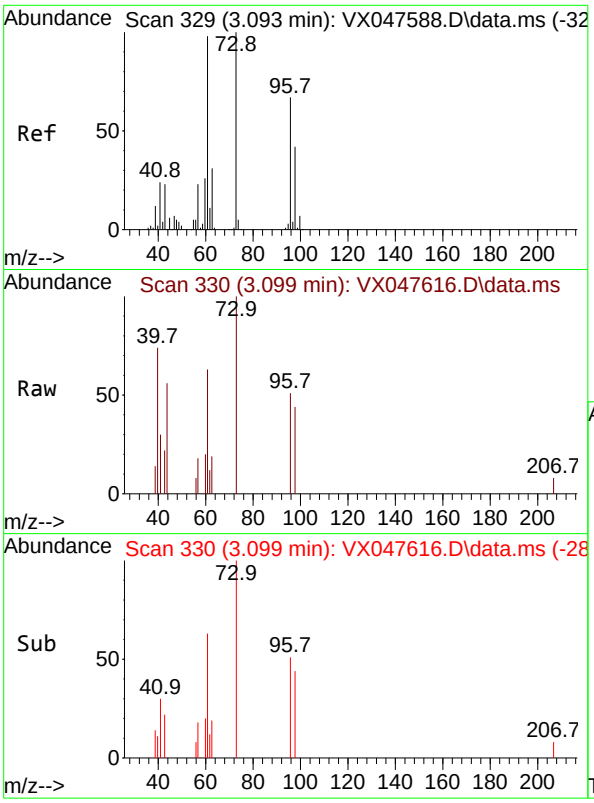


#19
Methyl tert-butyl Ether
Concen: 0.388 ug/l
RT: 3.117 min Scan# 333
Delta R.T. 0.006 min
Lab File: VX047616.D
Acq: 17 Sep 2025 14:27

Tgt Ion: 73 Resp: 3025

Ion	Ratio	Lower	Upper
73	100		
57	27.4	17.4	26.2#



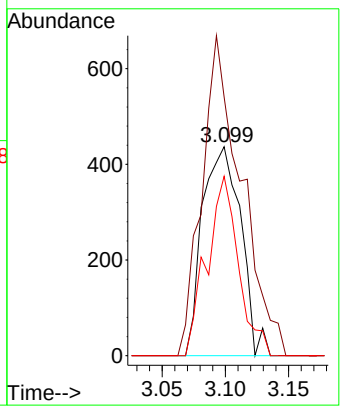


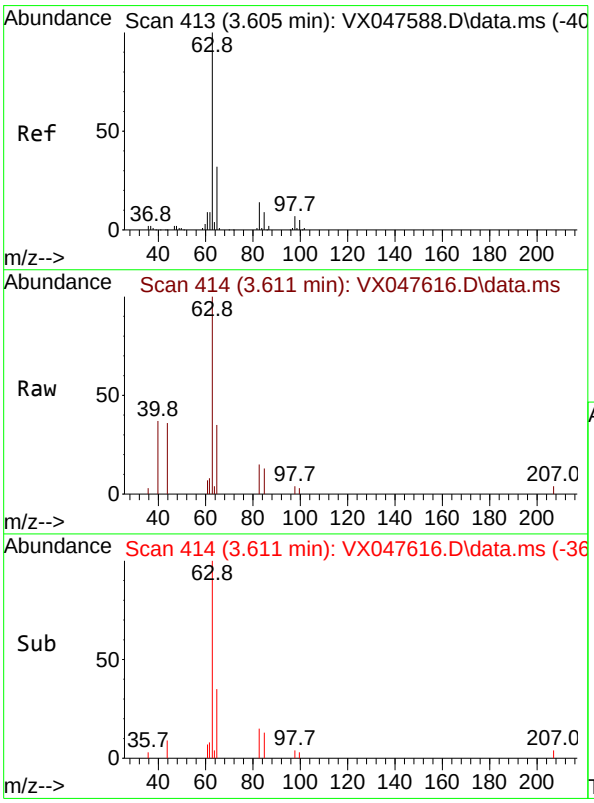
#21
trans-1,2-Dichloroethene
Concen: 0.401 ug/l
RT: 3.099 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX047616.D
Acq: 17 Sep 2025 14:27

Instrument :
MSVOA_X
ClientSampleId :
MW178I1-20250909

Tgt Ion: 96 Resp: 921

Ion	Ratio	Lower	Upper
96	100		
61	123.8	116.2	174.2
98	85.8	49.3	73.9#

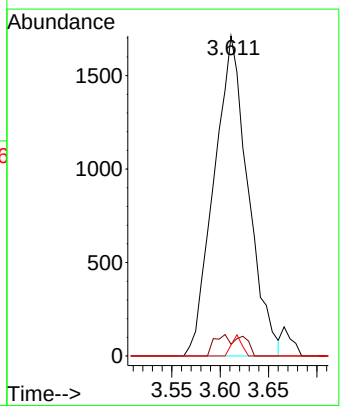


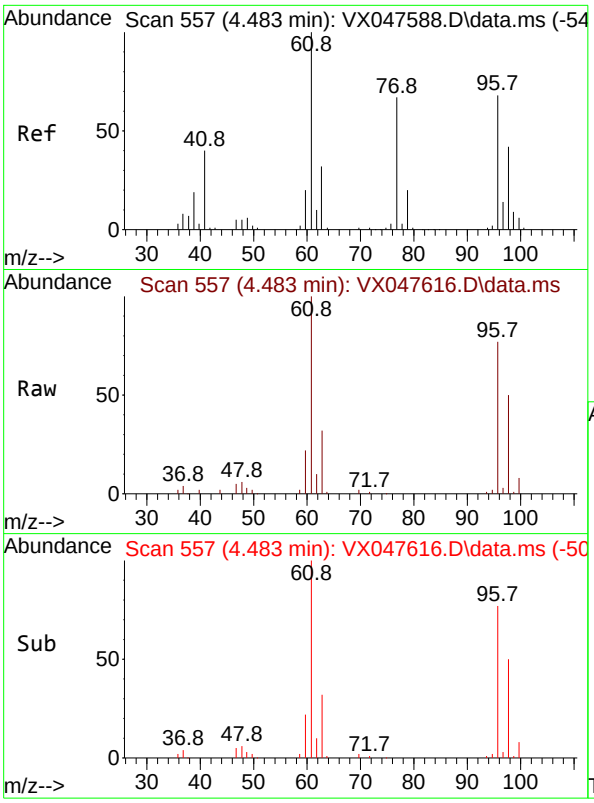


#24
1,1-Dichloroethane
Concen: 0.923 ug/l
RT: 3.611 min Scan# 414
Delta R.T. 0.006 min
Lab File: VX047616.D
Acq: 17 Sep 2025 14:27

Tgt Ion: 63 Resp: 4188

Ion	Ratio	Lower	Upper
63	100		
98	3.7	3.8	11.2#
100	3.4	2.3	6.9



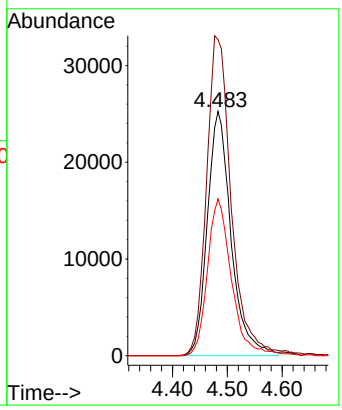


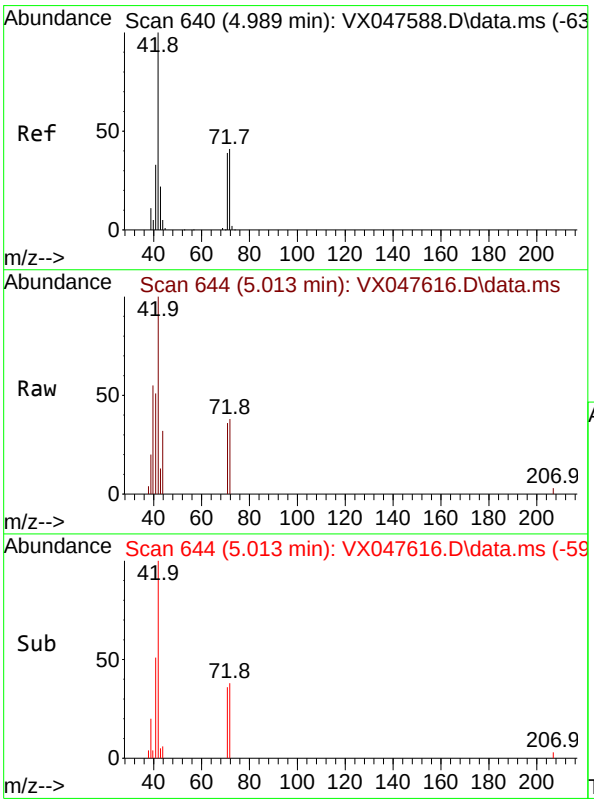
#27
cis-1,2-Dichloroethene
Concen: 26.973 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX047616.D
Acq: 17 Sep 2025 14:27

Instrument :
MSVOA_X
ClientSampleId :
MW178I1-20250909

Tgt Ion: 96 Resp: 75933

Ion	Ratio	Lower	Upper
96	100		
61	136.6	0.0	303.2
98	64.9	0.0	127.8

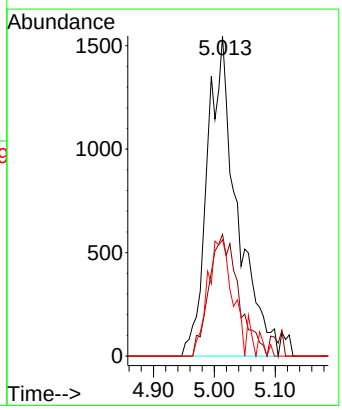


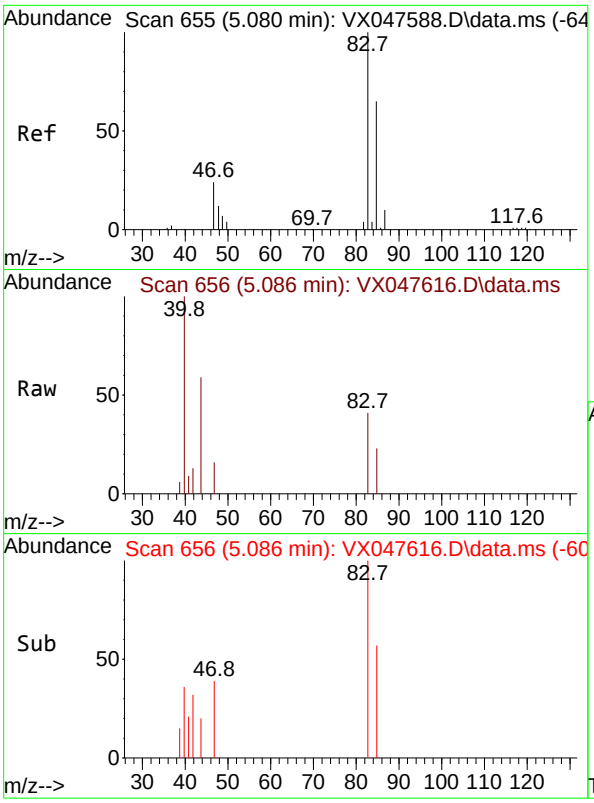


#29
Tetrahydrofuran
Concen: 5.608 ug/l
RT: 5.013 min Scan# 644
Delta R.T. 0.024 min
Lab File: VX047616.D
Acq: 17 Sep 2025 14:27

Tgt Ion: 42 Resp: 5234

Ion	Ratio	Lower	Upper
42	100		
72	37.8	34.2	51.2
71	30.1	31.9	47.9#



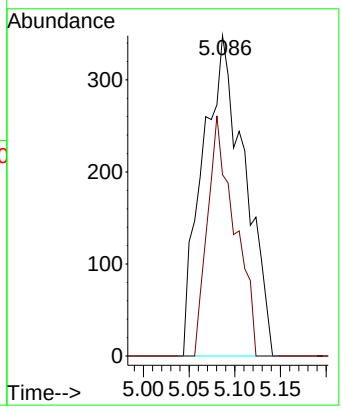


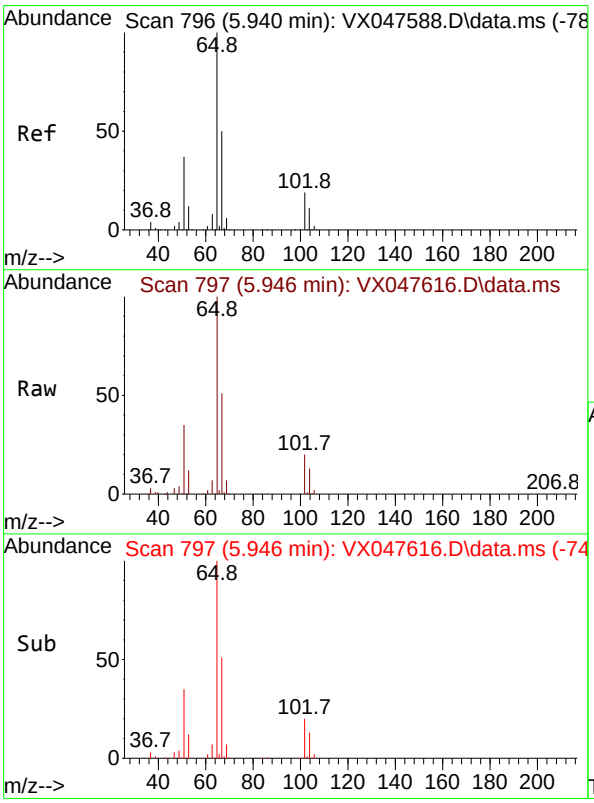
#30
Chloroform
Concen: 0.243 ug/l
RT: 5.086 min Scan# 6
Delta R.T. 0.006 min
Lab File: VX047616.D
Acq: 17 Sep 2025 14:27

Instrument :
MSVOA_X
ClientSampleId :
MW178I1-20250909

Tgt Ion: 83 Resp: 1116

Ion	Ratio	Lower	Upper
83	100		
85	56.6	51.8	77.6

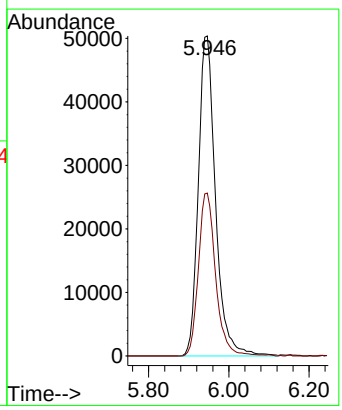


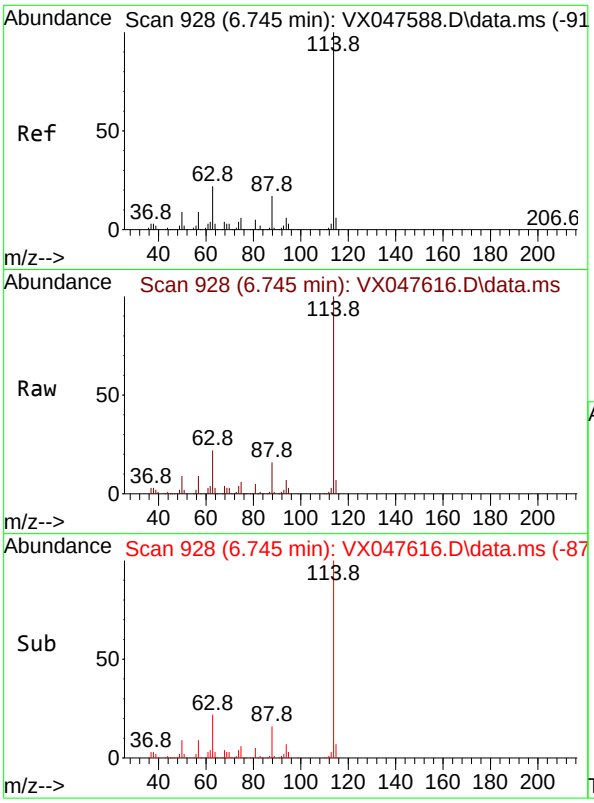


#33
1,2-Dichloroethane-d4
Concen: 52.356 ug/l
RT: 5.946 min Scan# 797
Delta R.T. 0.006 min
Lab File: VX047616.D
Acq: 17 Sep 2025 14:27

Tgt Ion: 65 Resp: 149765

Ion	Ratio	Lower	Upper
65	100		
67	51.2	0.0	103.0



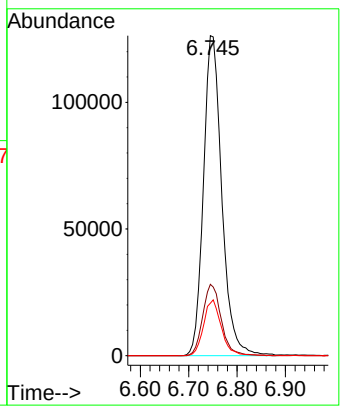


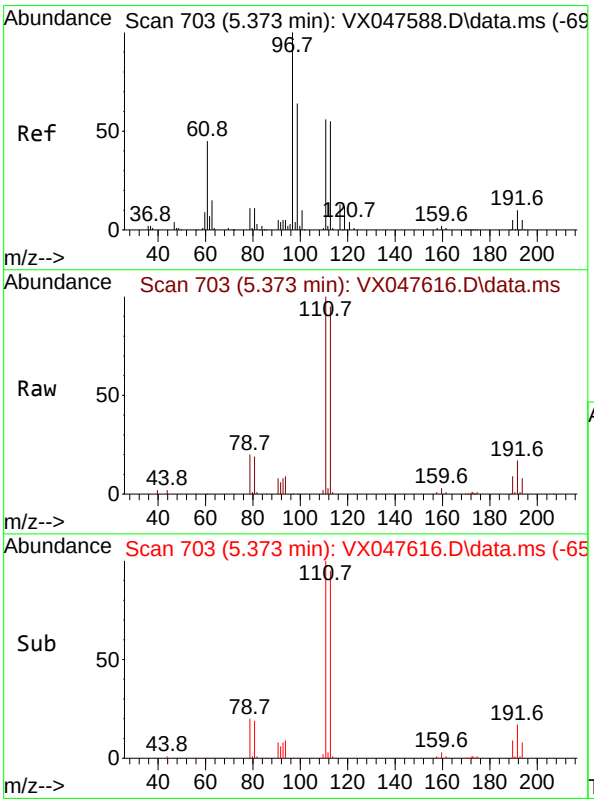
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX047616.D
Acq: 17 Sep 2025 14:27

Instrument :
MSVOA_X
ClientSampleId :
MW178I1-20250909

Tgt Ion:114 Resp: 333636

Ion	Ratio	Lower	Upper
114	100		
63	22.3	0.0	44.0
88	16.4	0.0	34.2

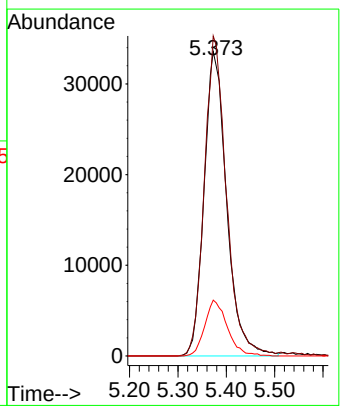


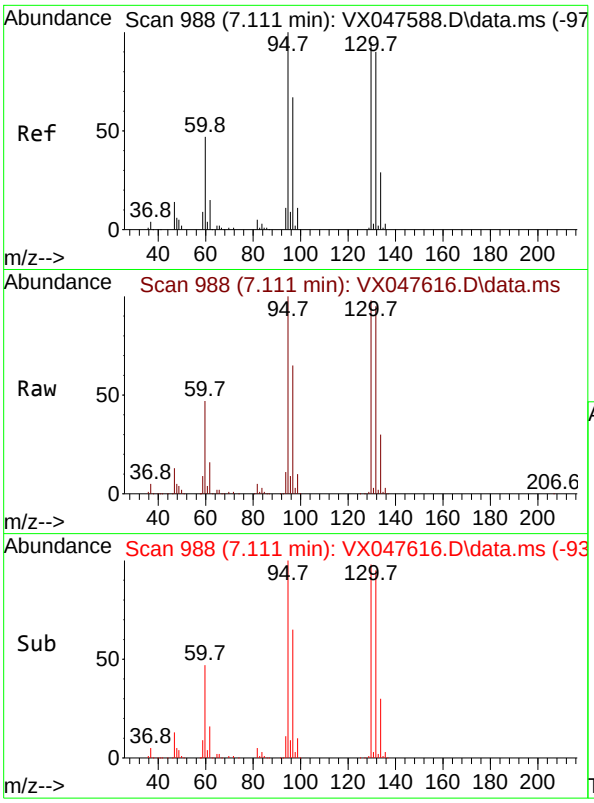


#35
Dibromofluoromethane
Concen: 48.686 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX047616.D
Acq: 17 Sep 2025 14:27

Tgt Ion:113 Resp: 108938

Ion	Ratio	Lower	Upper
113	100		
111	102.4	80.9	121.3
192	18.3	14.2	21.4



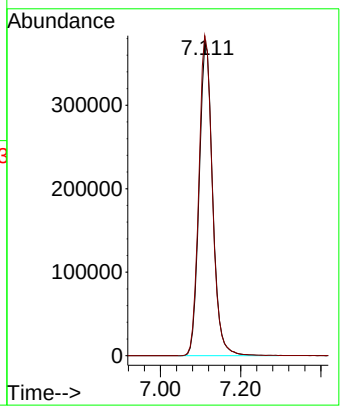


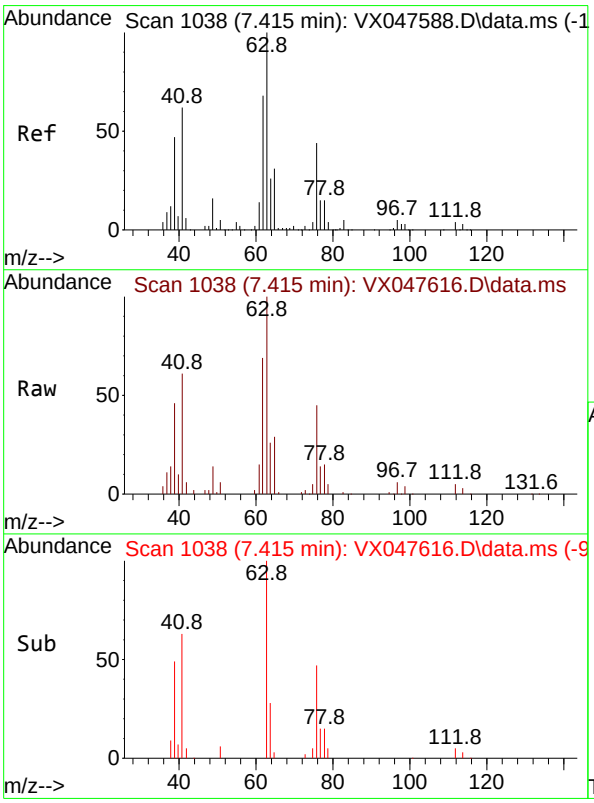
#44
Trichloroethene
Concen: 365.617 ug/l
RT: 7.111 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX047616.D
Acq: 17 Sep 2025 14:27

Instrument :
MSVOA_X
ClientSampleId :
MW178I1-20250909

Tgt Ion:130 Resp: 877789

Ion	Ratio	Lower	Upper
130	100		
95	102.4	0.0	210.8

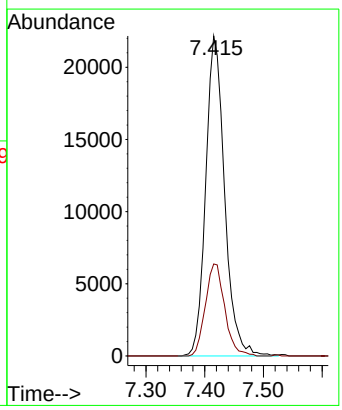


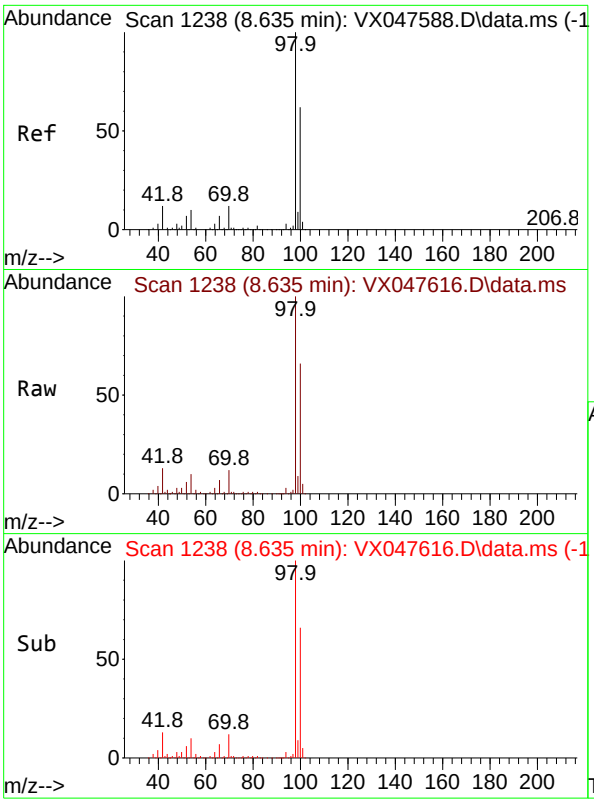


#45
1,2-Dichloropropane
Concen: 19.431 ug/l
RT: 7.415 min Scan# 1038
Delta R.T. -0.000 min
Lab File: VX047616.D
Acq: 17 Sep 2025 14:27

Tgt Ion: 63 Resp: 49410

Ion	Ratio	Lower	Upper
63	100		
65	28.8	24.7	37.1



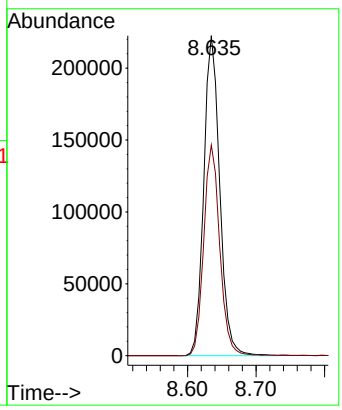


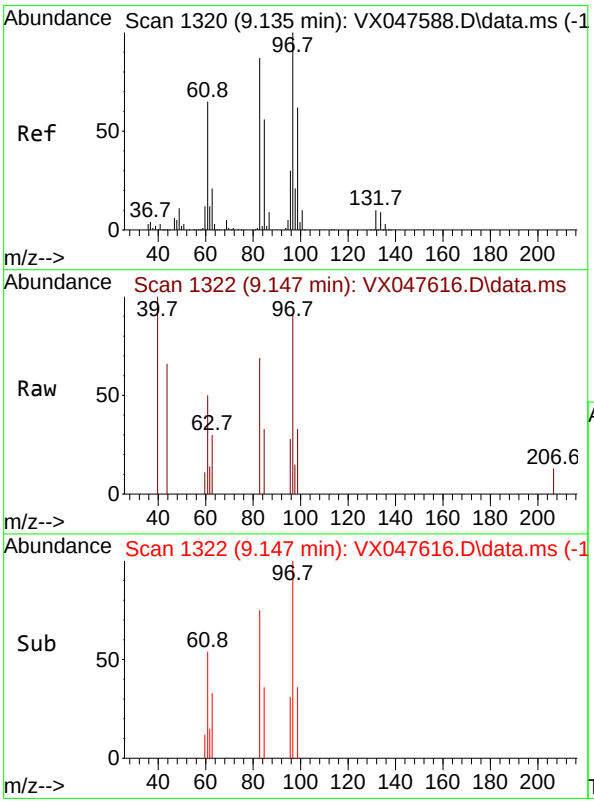
#50
Toluene-d8
Concen: 46.643 ug/l
RT: 8.635 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047616.D
Acq: 17 Sep 2025 14:27

Instrument :
MSVOA_X
ClientSampleId :
MW178I1-20250909

Tgt Ion: 98 Resp: 361127

Ion	Ratio	Lower	Upper
98	100		
100	66.0	53.0	79.4

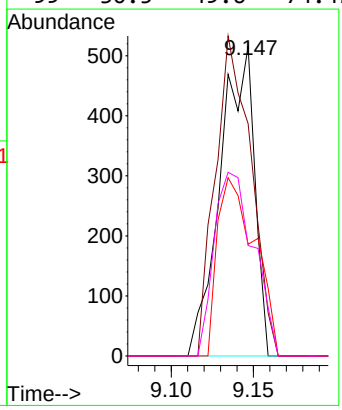


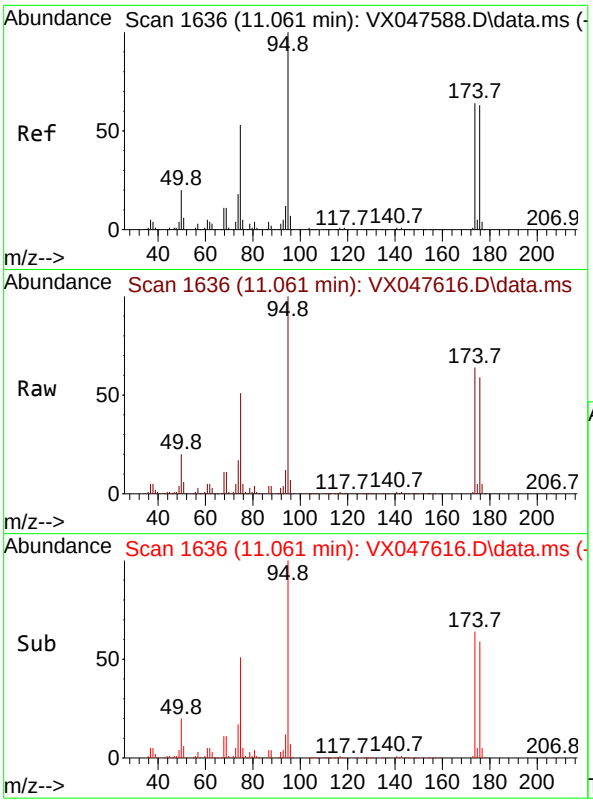


#55
1,1,2-Trichloroethane
Concen: 0.315 ug/l
RT: 9.147 min Scan# 1322
Delta R.T. 0.012 min
Lab File: VX047616.D
Acq: 17 Sep 2025 14:27

Tgt Ion: 97 Resp: 744

Ion	Ratio	Lower	Upper
97	100		
83	64.2	69.6	104.4#
85	30.8	45.0	67.6#
99	30.5	49.6	74.4#



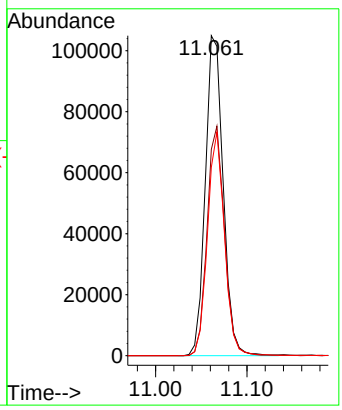


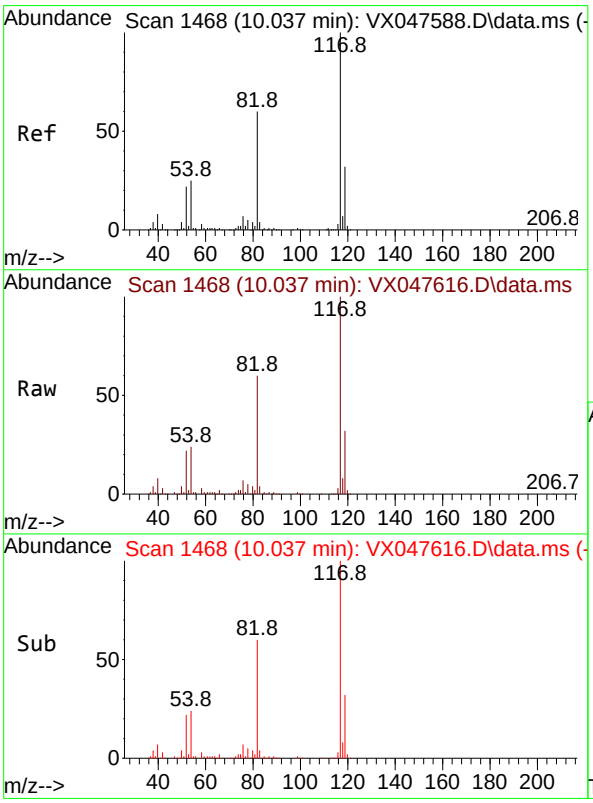
#62
4-Bromofluorobenzene
Concen: 48.283 ug/l
RT: 11.061 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047616.D
Acq: 17 Sep 2025 14:27

Instrument :
MSVOA_X
ClientSampleId :
MW178I1-20250909

Tgt Ion: 95 Resp: 141872

Ion	Ratio	Lower	Upper
95	100		
174	70.3	0.0	141.6
176	66.6	0.0	138.4

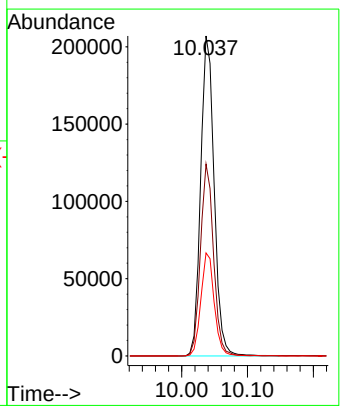


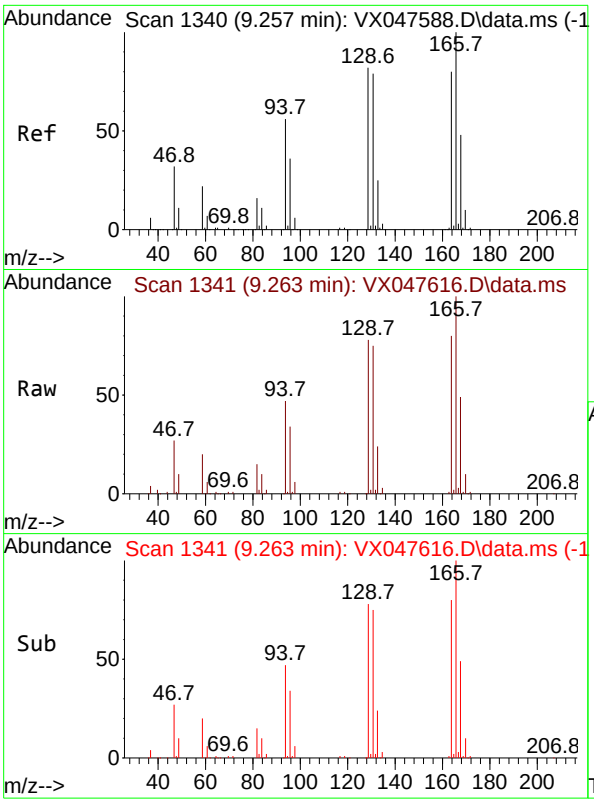


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX047616.D
Acq: 17 Sep 2025 14:27

Tgt Ion:117 Resp: 295278

Ion	Ratio	Lower	Upper
117	100		
82	60.0	47.8	71.6
119	32.2	25.2	37.8



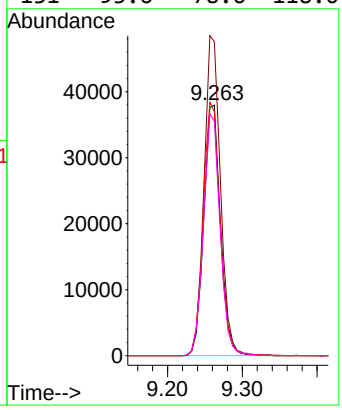


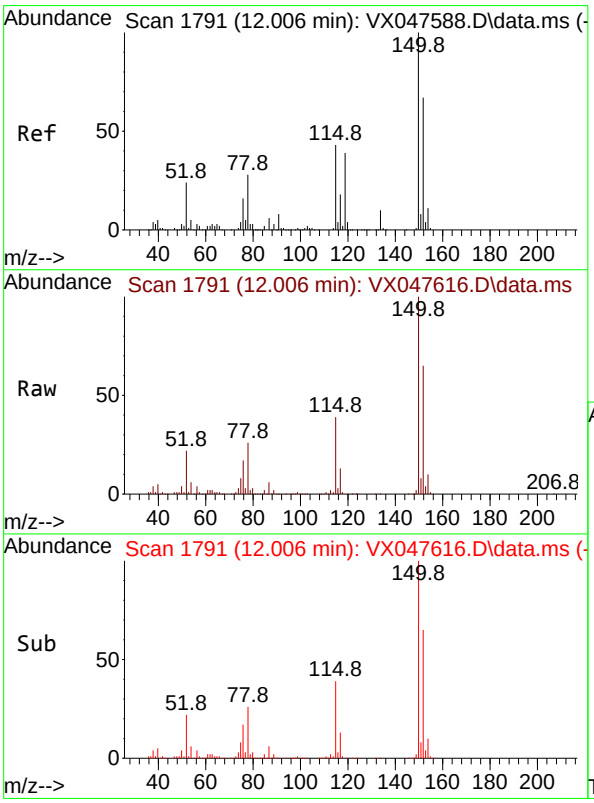
#64
Tetrachloroethene
Concen: 30.667 ug/l
RT: 9.263 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047616.D
Acq: 17 Sep 2025 14:27

Instrument :
MSVOA_X
ClientSampleId :
MW178I1-20250909

Tgt Ion:164 Resp: 59031

Ion	Ratio	Lower	Upper
164	100		
166	125.5	100.2	150.2
129	97.4	81.8	122.6
131	93.6	78.6	118.0

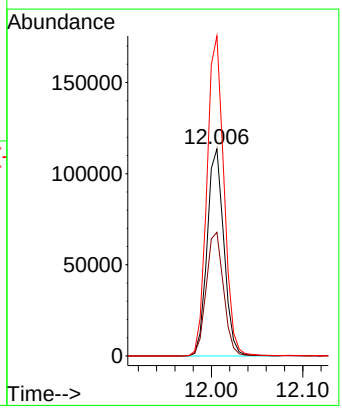


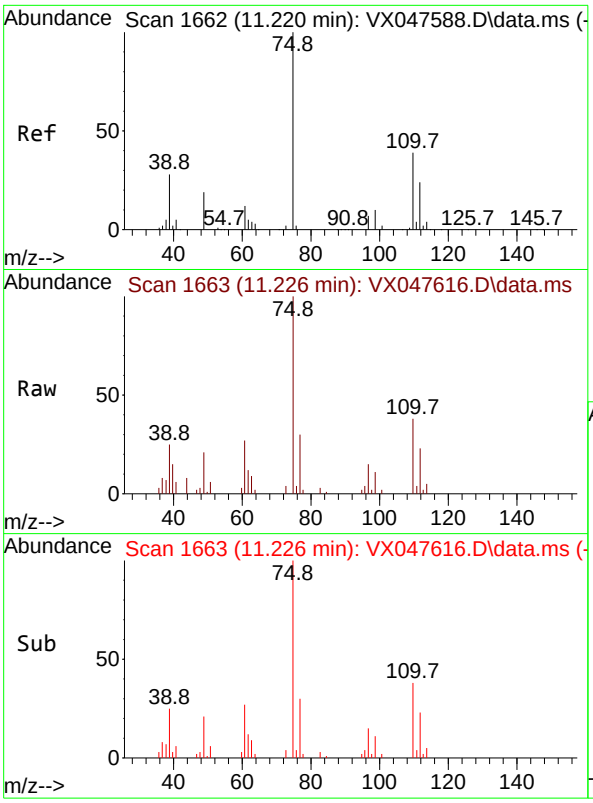


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047616.D
Acq: 17 Sep 2025 14:27

Tgt Ion:152 Resp: 144330

Ion	Ratio	Lower	Upper
152	100		
115	61.8	44.9	134.5
150	156.6	0.0	352.0



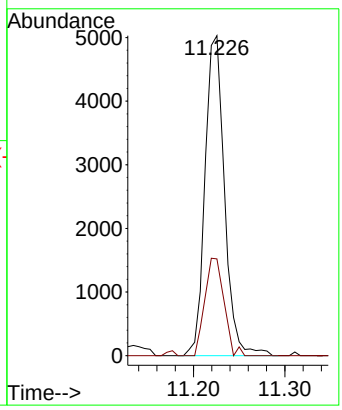


#76
1,2,3-Trichloropropane
Concen: 2.552 ug/l
RT: 11.226 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047616.D
Acq: 17 Sep 2025 14:27

Instrument :
MSVOA_X
ClientSampleId :
MW178I1-20250909

Tgt Ion: 75 Resp: 7457

Ion	Ratio	Lower	Upper
75	100		
77	29.9	18.8	56.4



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:	09/09/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/12/25
Client Sample ID:	MW178I1-20250909DL	SDG No.:	Q3095
Lab Sample ID:	Q3095-13DL	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047638.D	10	09/18/25 14:19	VX091825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	5.00	UD	2.20	5.00	10.0	ug/L
74-87-3	Chloromethane	5.00	UD	3.20	5.00	10.0	ug/L
75-01-4	Vinyl Chloride	7.50	UD	2.60	7.50	10.0	ug/L
74-83-9	Bromomethane	37.5	UD	14.4	37.5	50.0	ug/L
75-00-3	Chloroethane	7.50	UD	4.70	7.50	10.0	ug/L
75-69-4	Trichlorofluoromethane	5.00	UD	3.30	5.00	10.0	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	5.00	UD	2.50	5.00	10.0	ug/L
75-35-4	1,1-Dichloroethene	7.50	UD	2.30	7.50	10.0	ug/L
67-64-1	Acetone	37.5	UD	15.1	37.5	50.0	ug/L
75-15-0	Carbon Disulfide	7.50	UD	2.10	7.50	10.0	ug/L
1634-04-4	Methyl tert-butyl Ether	5.00	UD	1.60	5.00	10.0	ug/L
79-20-9	Methyl Acetate	7.50	UD	2.70	7.50	10.0	ug/L
75-09-2	Methylene Chloride	5.00	UD	2.80	5.00	10.0	ug/L
156-60-5	trans-1,2-Dichloroethene	5.00	UD	2.30	5.00	10.0	ug/L
75-34-3	1,1-Dichloroethane	5.00	UD	2.30	5.00	10.0	ug/L
110-82-7	Cyclohexane	25.0	UD	14.5	25.0	50.0	ug/L
78-93-3	2-Butanone	25.0	UD	9.80	25.0	50.0	ug/L
56-23-5	Carbon Tetrachloride	5.00	UD	2.50	5.00	10.0	ug/L
156-59-2	cis-1,2-Dichloroethene	24.1	D	1.90	7.50	10.0	ug/L
74-97-5	Bromochloromethane	5.00	UDQ	2.20	5.00	10.0	ug/L
67-66-3	Chloroform	5.00	UD	2.50	5.00	10.0	ug/L
71-55-6	1,1,1-Trichloroethane	5.00	UD	2.00	5.00	10.0	ug/L
108-87-2	Methylcyclohexane	5.00	UD	1.60	5.00	10.0	ug/L
71-43-2	Benzene	5.00	UD	1.50	5.00	10.0	ug/L
107-06-2	1,2-Dichloroethane	5.00	UD	2.20	5.00	10.0	ug/L
79-01-6	Trichloroethene	370	D	0.93	7.50	10.0	ug/L
78-87-5	1,2-Dichloropropane	19.0	D	2.00	5.00	10.0	ug/L
75-27-4	Bromodichloromethane	5.00	UD	2.20	5.00	10.0	ug/L
108-10-1	4-Methyl-2-Pentanone	25.0	UD	6.80	25.0	50.0	ug/L
108-88-3	Toluene	5.00	UD	1.40	5.00	10.0	ug/L

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	09/09/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/12/25
Client Sample ID:	MW178I1-20250909DL	SDG No.:	Q3095
Lab Sample ID:	Q3095-13DL	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047638.D	10	09/18/25 14:19	VX091825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	5.00	UD	1.70	5.00	10.0	ug/L
10061-01-5	cis-1,3-Dichloropropene	5.00	UD	1.60	5.00	10.0	ug/L
79-00-5	1,1,2-Trichloroethane	5.00	UD	2.10	5.00	10.0	ug/L
591-78-6	2-Hexanone	25.0	UD	8.90	25.0	50.0	ug/L
124-48-1	Dibromochloromethane	5.00	UD	1.80	5.00	10.0	ug/L
106-93-4	1,2-Dibromoethane	5.00	UD	1.50	5.00	10.0	ug/L
127-18-4	Tetrachloroethene	30.3	D	2.30	5.00	10.0	ug/L
108-90-7	Chlorobenzene	5.00	UD	1.20	5.00	10.0	ug/L
100-41-4	Ethyl Benzene	5.00	UD	1.30	5.00	10.0	ug/L
179601-23-1	m/p-Xylenes	10.0	UD	2.40	10.0	20.0	ug/L
95-47-6	o-Xylene	5.00	UD	1.20	5.00	10.0	ug/L
100-42-5	Styrene	5.00	UD	1.50	5.00	10.0	ug/L
75-25-2	Bromoform	5.00	UD	1.90	5.00	10.0	ug/L
98-82-8	Isopropylbenzene	5.00	UD	1.20	5.00	10.0	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	5.00	UD	2.60	5.00	10.0	ug/L
541-73-1	1,3-Dichlorobenzene	5.00	UD	1.60	5.00	10.0	ug/L
106-46-7	1,4-Dichlorobenzene	5.00	UD	1.90	5.00	10.0	ug/L
95-50-1	1,2-Dichlorobenzene	5.00	UD	1.60	5.00	10.0	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	7.50	UD	5.30	7.50	10.0	ug/L
120-82-1	1,2,4-Trichlorobenzene	5.00	UD	2.00	5.00	10.0	ug/L
87-61-6	1,2,3-Trichlorobenzene	7.50	UD	2.00	7.50	10.0	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	52.5		81 - 118		105%	SPK: 50
1868-53-7	Dibromofluoromethane	50.5		80 - 119		101%	SPK: 50
2037-26-5	Toluene-d8	51.4		89 - 112		103%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.4		85 - 114		105%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	192000	5.537				
540-36-3	1,4-Difluorobenzene	350000	6.751				
3114-55-4	Chlorobenzene-d5	314000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	151000	12.006				

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:	09/09/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/12/25
Client Sample ID:	MW178I1-20250909DL	SDG No.:	Q3095
Lab Sample ID:	Q3095-13DL	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047638.D	10	09/18/25 14:19	VX091825

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\VX091825\
Data File : VX047638.D
Acq On : 18 Sep 2025 14:19
Operator : JC/MD
Sample : Q3095-13DL 10X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW178I1-20250909DL

Quant Time: Sep 19 01:31:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

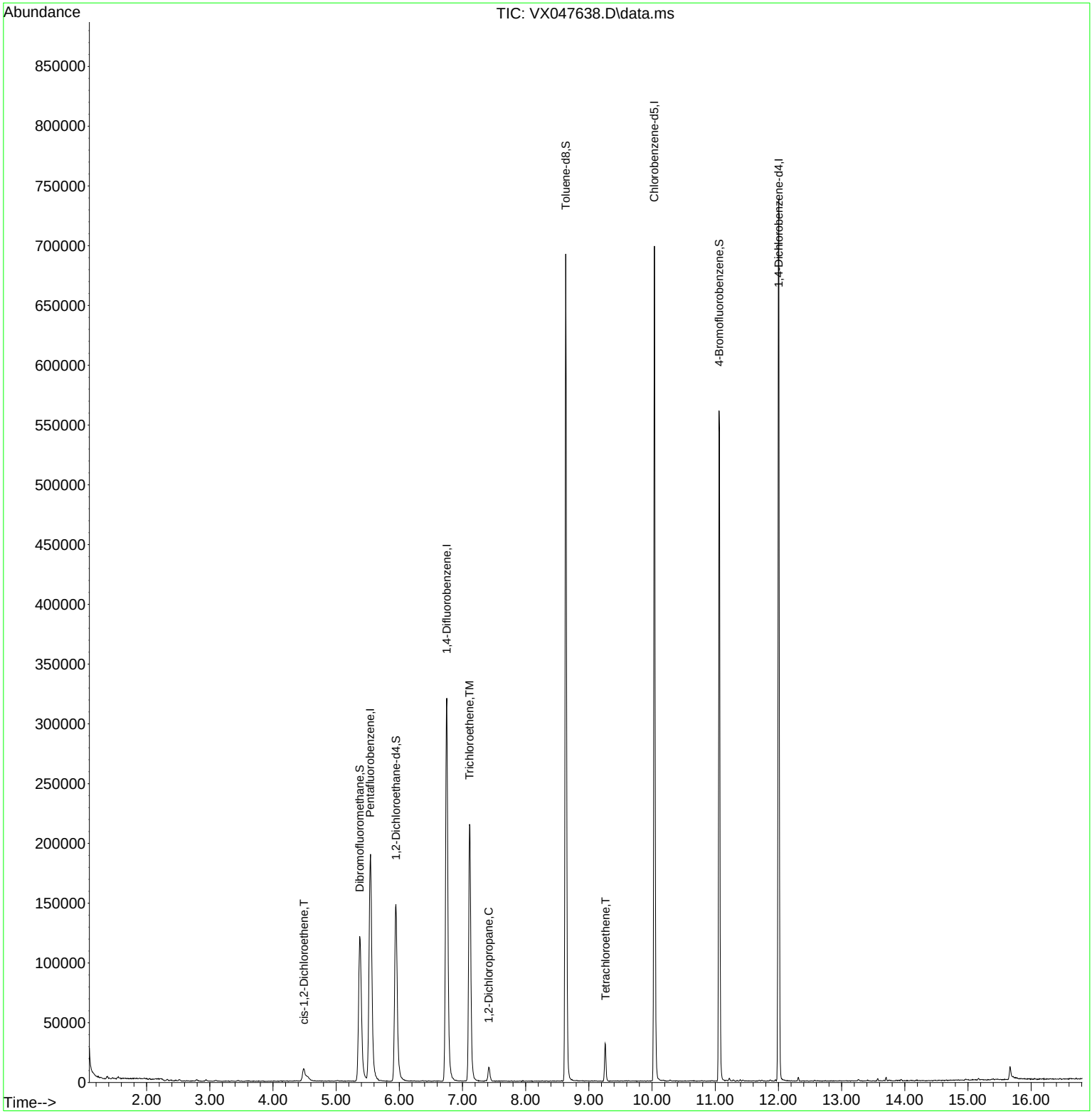
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.537	168	192027	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	349705	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	314014	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	151081	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	160540	52.523	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 105.040%			
35) Dibromofluoromethane	5.373	113	118528	50.538	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.080%			
50) Toluene-d8	8.634	98	417494	51.446	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 102.900%			
62) 4-Bromofluorobenzene	11.061	95	161415	52.409	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 104.820%			
Target Compounds						Qvalue
27) cis-1,2-Dichloroethene	4.489	96	7246	2.409	ug/l	94
44) Trichloroethene	7.110	130	92416	36.724	ug/l	100
45) 1,2-Dichloropropane	7.415	63	5075	1.904	ug/l	93
64) Tetrachloroethene	9.262	164	6200	3.029	ug/l	88

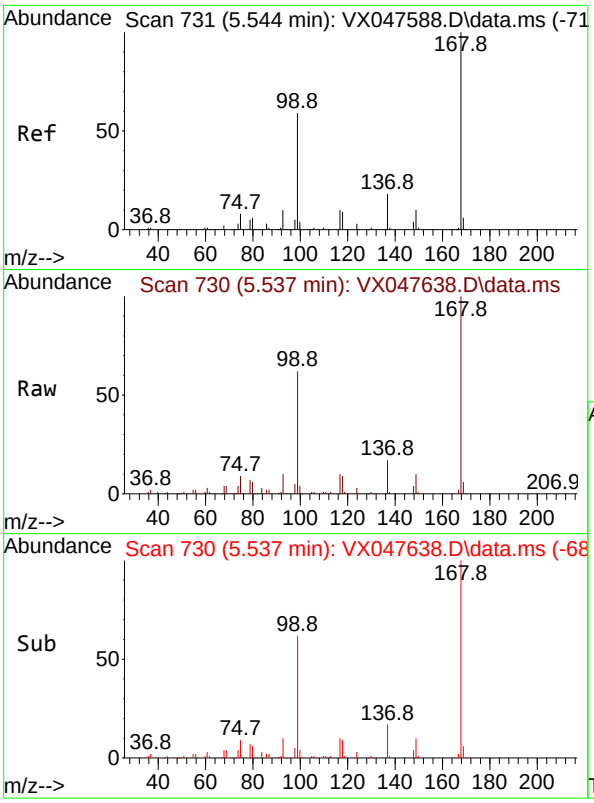
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091825\
Data File : VX047638.D
Acq On : 18 Sep 2025 14:19
Operator : JC/MD
Sample : Q3095-13DL 10X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW178I1-20250909DL

Quant Time: Sep 19 01:31:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



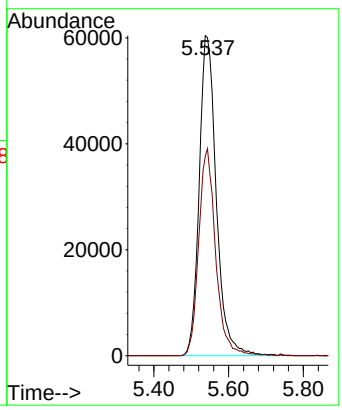


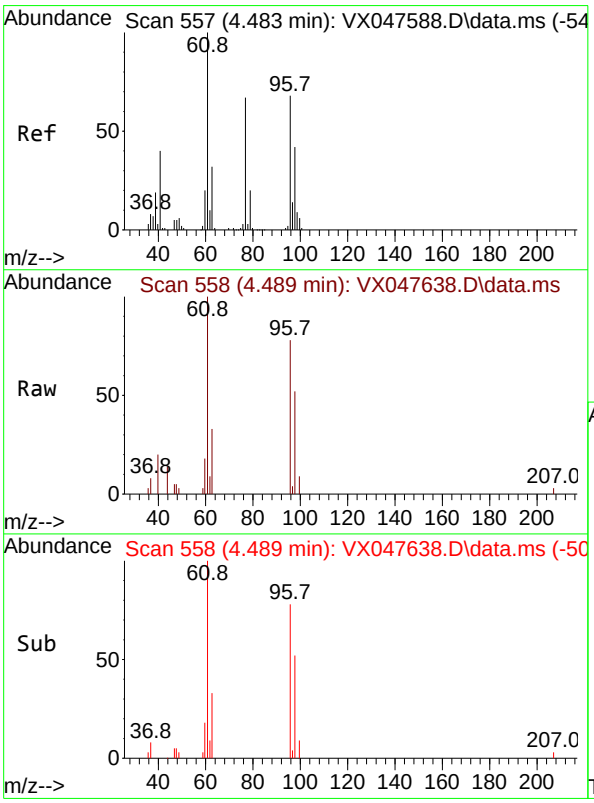
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.537 min Scan# 7
Delta R.T. -0.007 min
Lab File: VX047638.D
Acq: 18 Sep 2025 14:19

Instrument :
MSVOA_X
ClientSampleId :
MW178I1-20250909DL

Tgt Ion:168 Resp: 192027

Ion	Ratio	Lower	Upper
168	100		
99	62.3	48.8	73.2

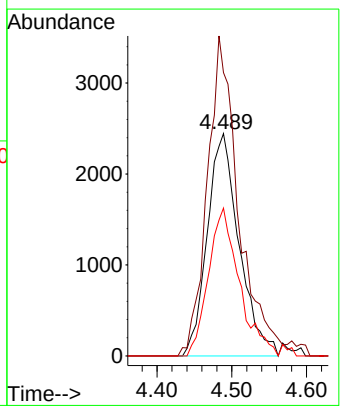


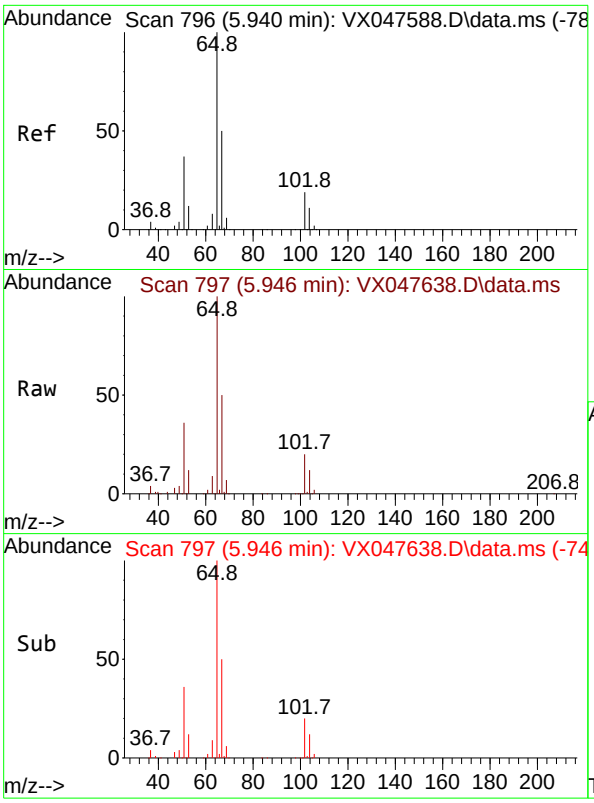


#27
cis-1,2-Dichloroethene
Concen: 2.409 ug/l
RT: 4.489 min Scan# 558
Delta R.T. 0.006 min
Lab File: VX047638.D
Acq: 18 Sep 2025 14:19

Tgt Ion: 96 Resp: 7246

Ion	Ratio	Lower	Upper
96	100		
61	141.2	0.0	303.2
98	64.4	0.0	127.8



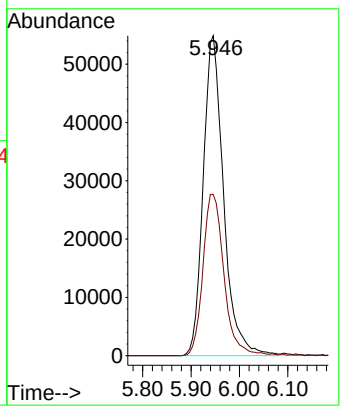


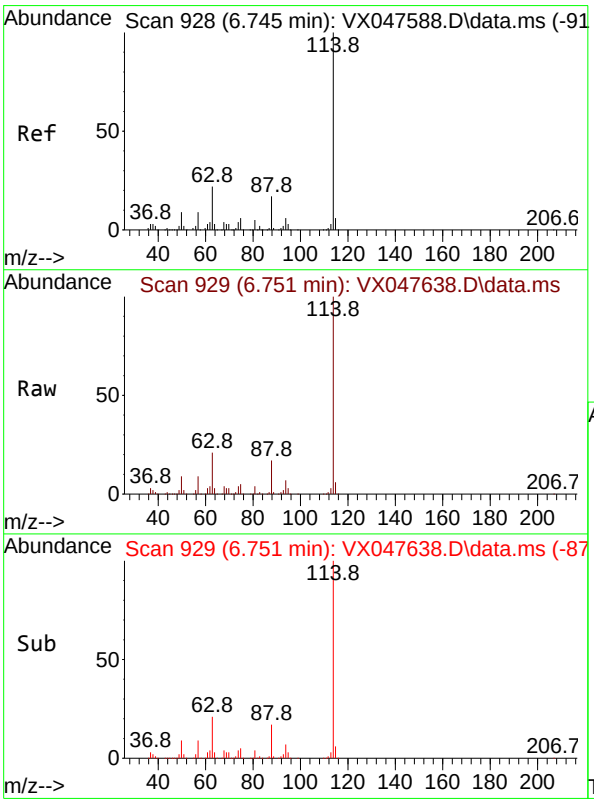
#33
1,2-Dichloroethane-d4
Concen: 52.523 ug/l
RT: 5.946 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047638.D
Acq: 18 Sep 2025 14:19

Instrument :
MSVOA_X
ClientSampleId :
MW178I1-20250909DL

Tgt Ion: 65 Resp: 160540

Ion	Ratio	Lower	Upper
65	100		
67	52.3	0.0	103.0

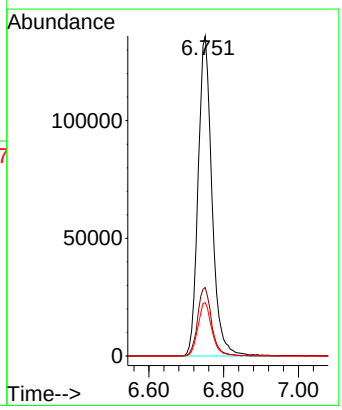


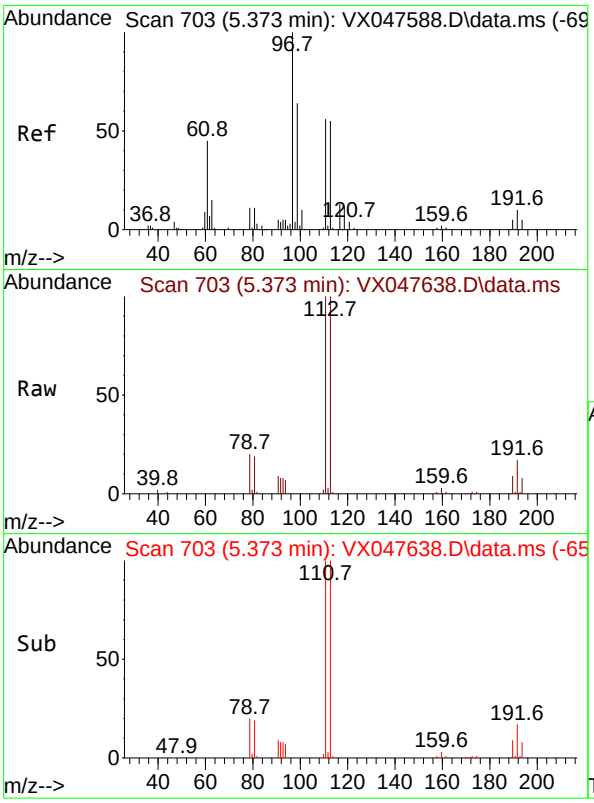


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 929
Delta R.T. 0.006 min
Lab File: VX047638.D
Acq: 18 Sep 2025 14:19

Tgt Ion:114 Resp: 349705

Ion	Ratio	Lower	Upper
114	100		
63	21.4	0.0	44.0
88	16.6	0.0	34.2



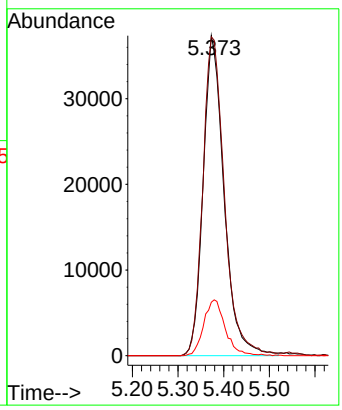


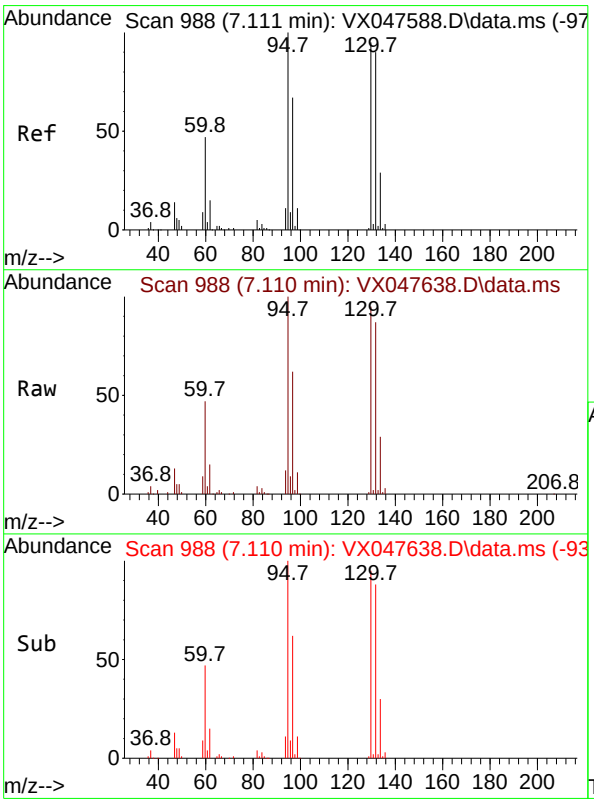
#35
Dibromofluoromethane
Concen: 50.538 ug/l
RT: 5.373 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047638.D
Acq: 18 Sep 2025 14:19

Instrument :
MSVOA_X
ClientSampleId :
MW178I1-20250909DL

Tgt Ion:113 Resp: 118528

Ion	Ratio	Lower	Upper
113	100		
111	103.1	80.9	121.3
192	18.1	14.2	21.4

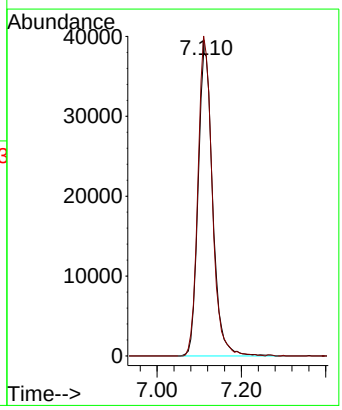


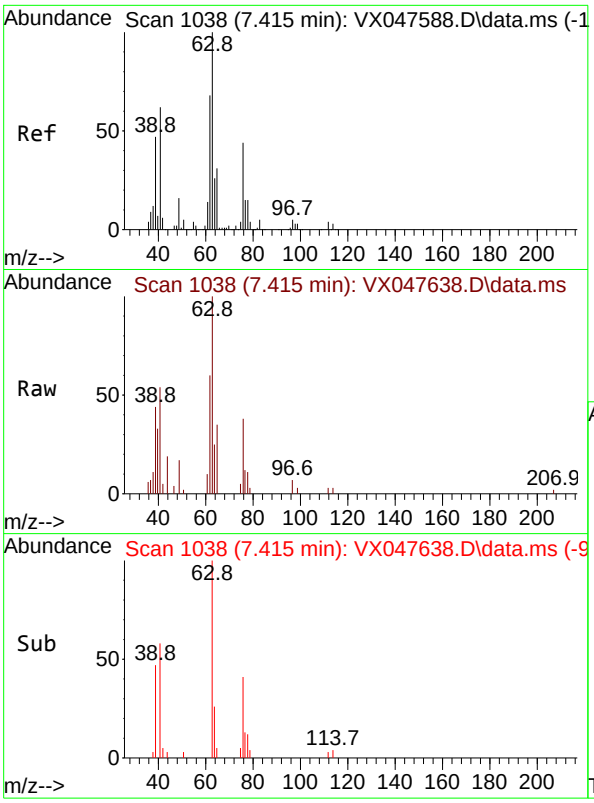


#44
Trichloroethene
Concen: 36.724 ug/l
RT: 7.110 min Scan# 988
Delta R.T. -0.000 min
Lab File: VX047638.D
Acq: 18 Sep 2025 14:19

Tgt Ion:130 Resp: 92416

Ion	Ratio	Lower	Upper
130	100		
95	105.7	0.0	210.8



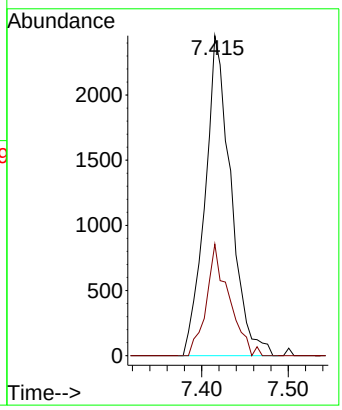


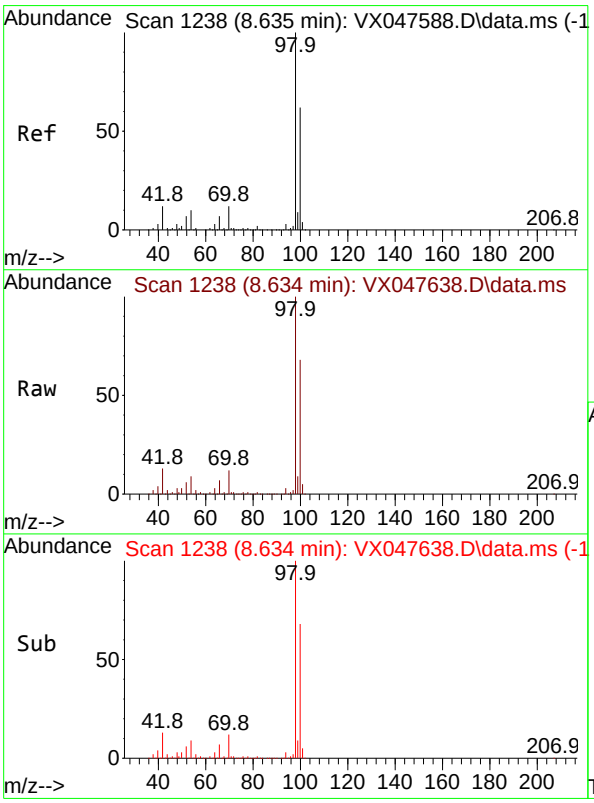
#45
1,2-Dichloropropane
Concen: 1.904 ug/l
RT: 7.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047638.D
Acq: 18 Sep 2025 14:19

Instrument :
MSVOA_X
ClientSampleId :
MW178I1-20250909DL

Tgt Ion: 63 Resp: 5075

Ion	Ratio	Lower	Upper
63	100		
65	34.9	24.7	37.1

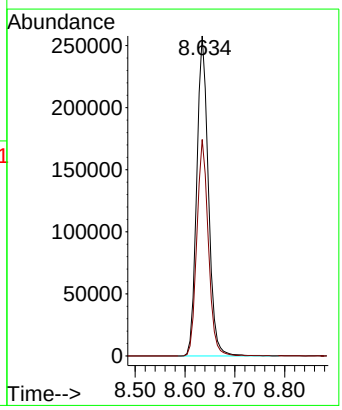


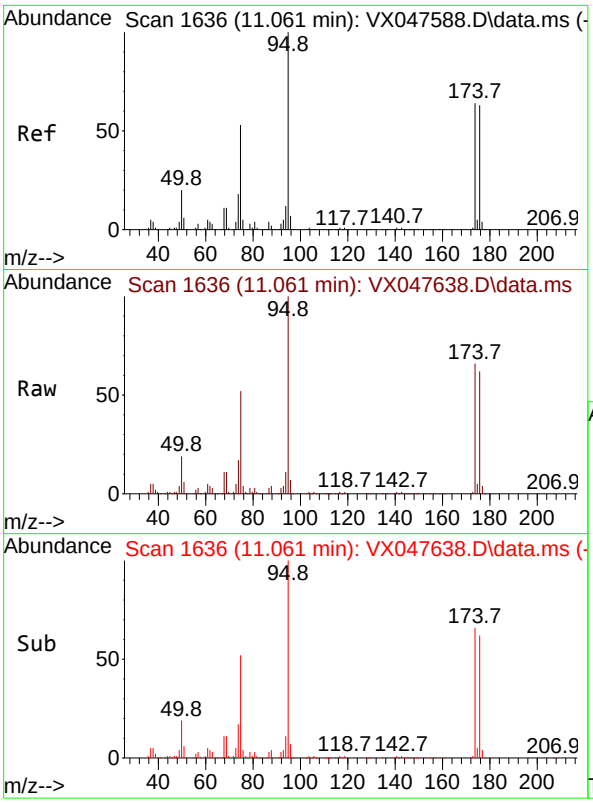


#50
Toluene-d8
Concen: 51.446 ug/l
RT: 8.634 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX047638.D
Acq: 18 Sep 2025 14:19

Tgt Ion: 98 Resp: 417494

Ion	Ratio	Lower	Upper
98	100		
100	66.8	53.0	79.4



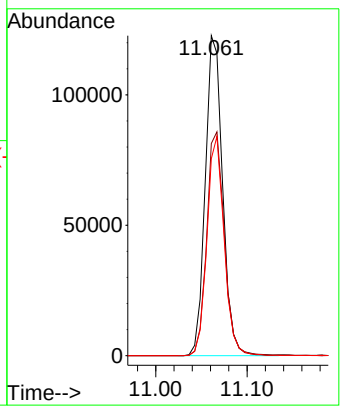


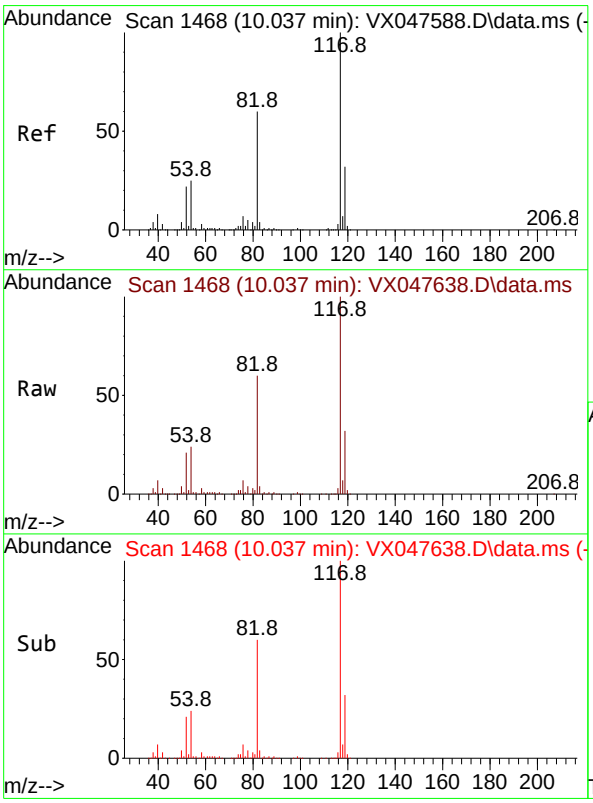
#62
4-Bromofluorobenzene
Concen: 52.409 ug/l
RT: 11.061 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047638.D
Acq: 18 Sep 2025 14:19

Instrument :
MSVOA_X
ClientSampleId :
MW178I1-20250909DL

Tgt Ion: 95 Resp: 161415

Ion	Ratio	Lower	Upper
95	100		
174	71.2	0.0	141.6
176	67.9	0.0	138.4

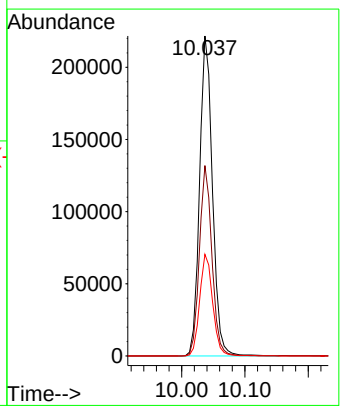


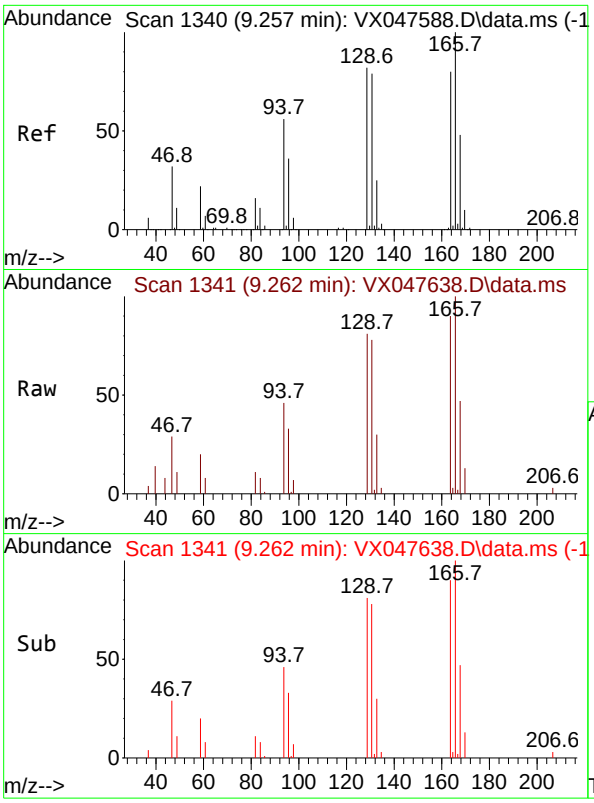


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX047638.D
Acq: 18 Sep 2025 14:19

Tgt Ion:117 Resp: 314014

Ion	Ratio	Lower	Upper
117	100		
82	59.5	47.8	71.6
119	31.7	25.2	37.8



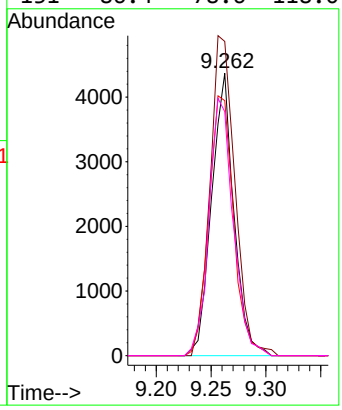


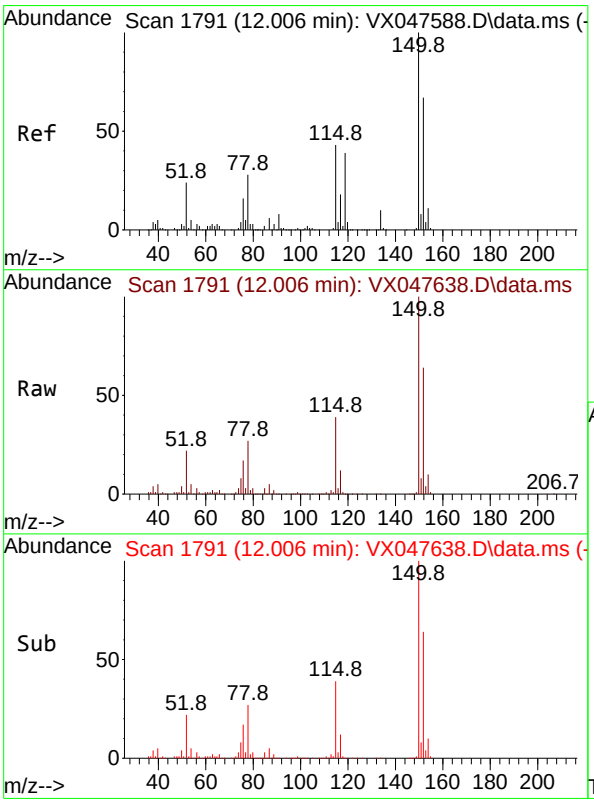
#64
Tetrachloroethene
Concen: 3.029 ug/l
RT: 9.262 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047638.D
Acq: 18 Sep 2025 14:19

Instrument :
MSVOA_X
ClientSampleId :
MW178I1-20250909DL

Tgt Ion:164 Resp: 6200

Ion	Ratio	Lower	Upper
164	100		
166	111.3	100.2	150.2
129	90.3	81.8	122.6
131	86.4	78.6	118.0

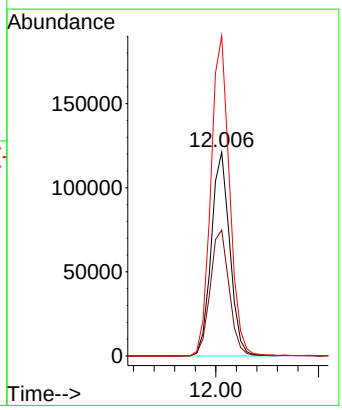




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047638.D
Acq: 18 Sep 2025 14:19

Tgt Ion:152 Resp: 151081

Ion	Ratio	Lower	Upper
152	100		
115	63.5	44.9	134.5
150	158.5	0.0	352.0



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:	09/09/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/12/25
Client Sample ID:	RE123D1-20250909	SDG No.:	Q3095
Lab Sample ID:	Q3095-14	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047642.D	1	09/18/25 15:43	VX091825

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	UQ	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	13.1		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:	09/09/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/12/25
Client Sample ID:	RE123D1-20250909	SDG No.:	Q3095
Lab Sample ID:	Q3095-14	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047642.D	1	09/18/25 15:43	VX091825

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	48.3		81 - 118		97%	SPK: 50
1868-53-7	Dibromofluoromethane	46.0		80 - 119		92%	SPK: 50
2037-26-5	Toluene-d8	46.2		89 - 112		92%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.3		85 - 114		95%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	187000	5.538				
540-36-3	1,4-Difluorobenzene	347000	6.751				
3114-55-4	Chlorobenzene-d5	315000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	152000	12.006				

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:	09/09/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/12/25
Client Sample ID:	RE123D1-20250909	SDG No.:	Q3095
Lab Sample ID:	Q3095-14	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047642.D	1	09/18/25 15:43	VX091825

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\VX091825\
Data File : VX047642.D
Acq On : 18 Sep 2025 15:43
Operator : JC/MD
Sample : Q3095-14
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RE123D1-20250909

Quant Time: Sep 19 01:32:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

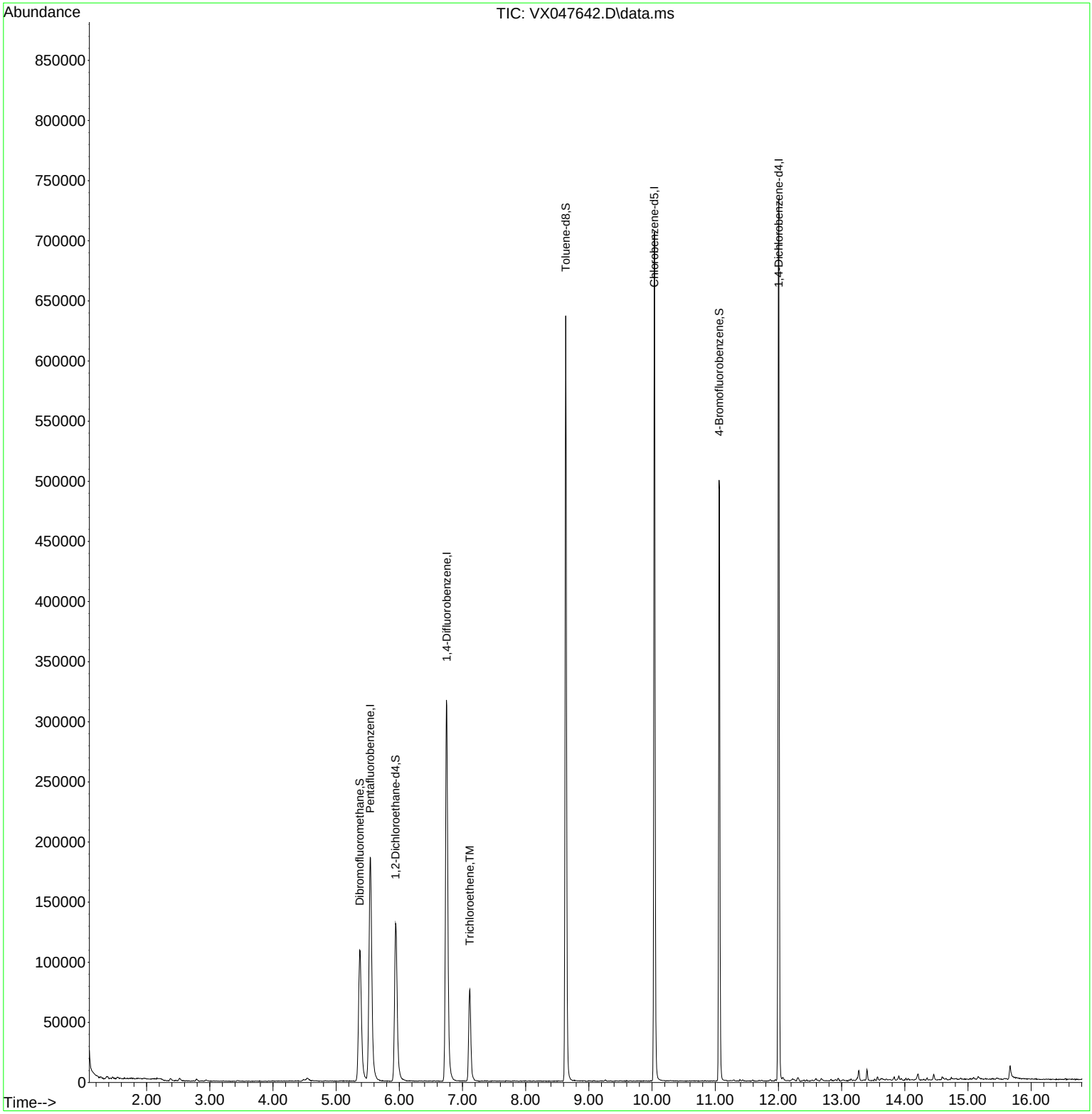
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.538	168	186708	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	347039	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	315013	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	151637	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	143498	48.285	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 96.560%			
35) Dibromofluoromethane	5.373	113	107121	46.025	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 92.060%			
50) Toluene-d8	8.635	98	372268	46.225	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 92.460%			
62) 4-Bromofluorobenzene	11.061	95	144530	47.288	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 94.580%			
Target Compounds						Qvalue
44) Trichloroethene	7.117	130	32614	13.060	ug/l	98

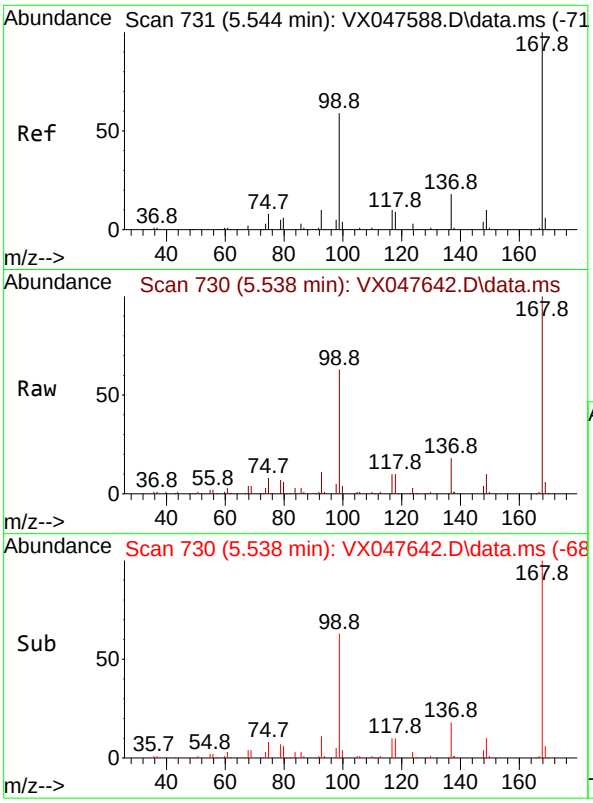
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091825\
Data File : VX047642.D
Acq On : 18 Sep 2025 15:43
Operator : JC/MD
Sample : Q3095-14
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RE123D1-20250909

Quant Time: Sep 19 01:32:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



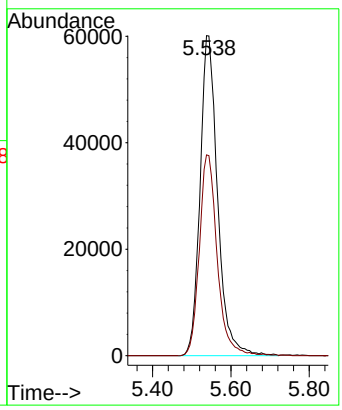


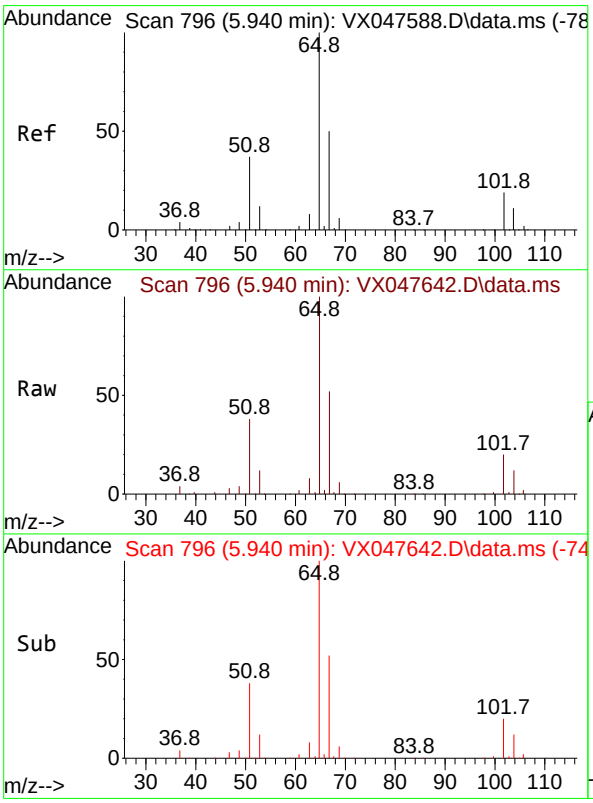
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047642.D
Acq: 18 Sep 2025 15:43

Instrument :
MSVOA_X
ClientSampleId :
RE123D1-20250909

Tgt Ion:168 Resp: 186708

Ion	Ratio	Lower	Upper
168	100		
99	62.7	48.8	73.2

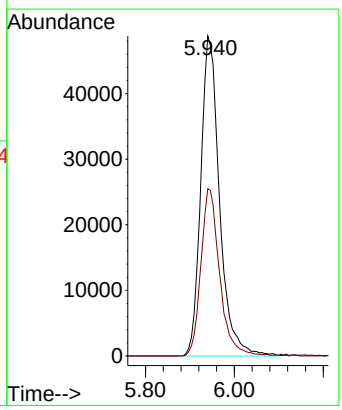


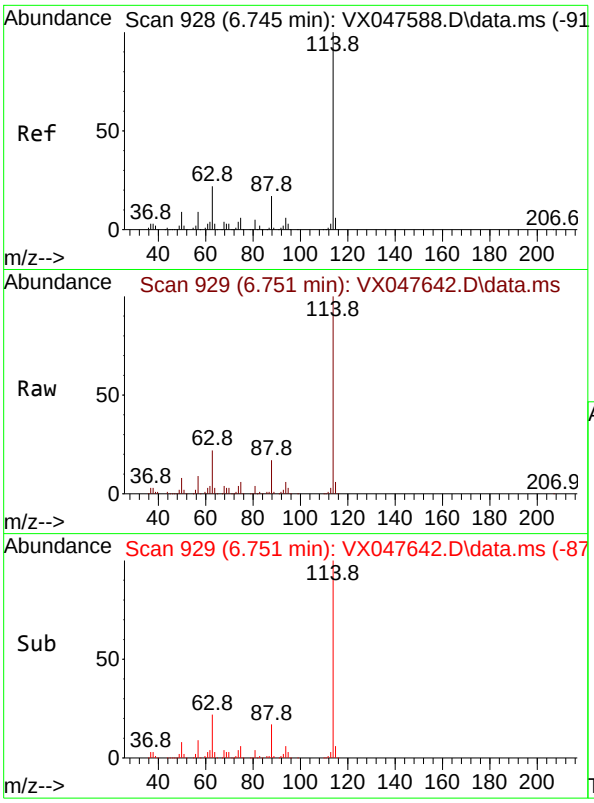


#33
1,2-Dichloroethane-d4
Concen: 48.285 ug/l
RT: 5.940 min Scan# 796
Delta R.T. -0.000 min
Lab File: VX047642.D
Acq: 18 Sep 2025 15:43

Tgt Ion: 65 Resp: 143498

Ion	Ratio	Lower	Upper
65	100		
67	52.3	0.0	103.0



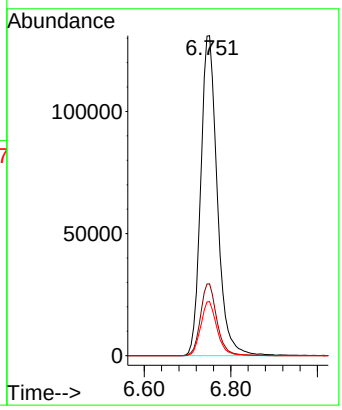


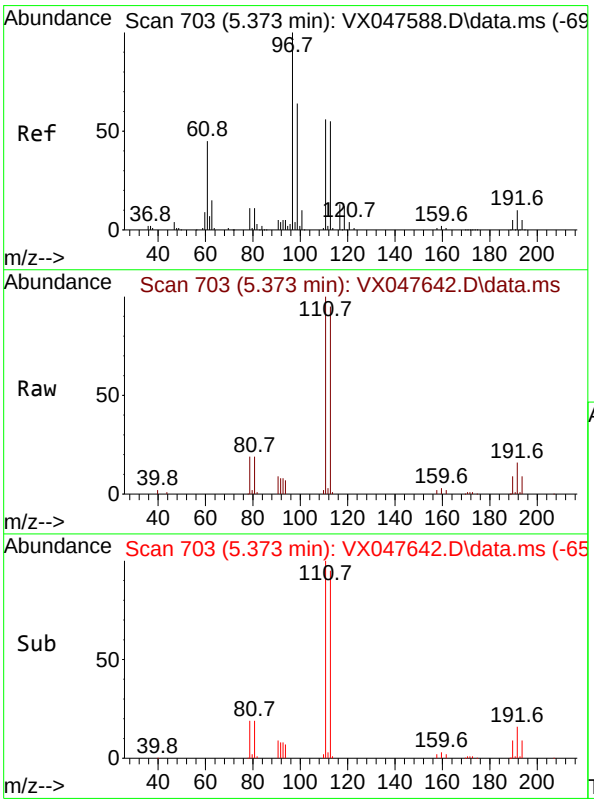
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 9
Delta R.T. 0.006 min
Lab File: VX047642.D
Acq: 18 Sep 2025 15:43

Instrument :
MSVOA_X
ClientSampleId :
RE123D1-20250909

Tgt Ion:114 Resp: 347039

Ion	Ratio	Lower	Upper
114	100		
63	22.4	0.0	44.0
88	16.9	0.0	34.2

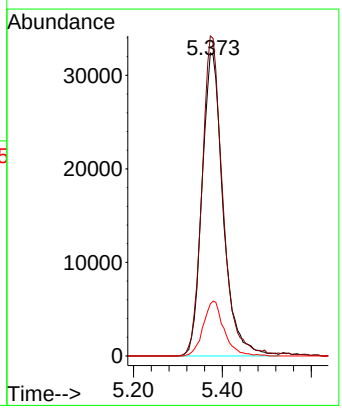


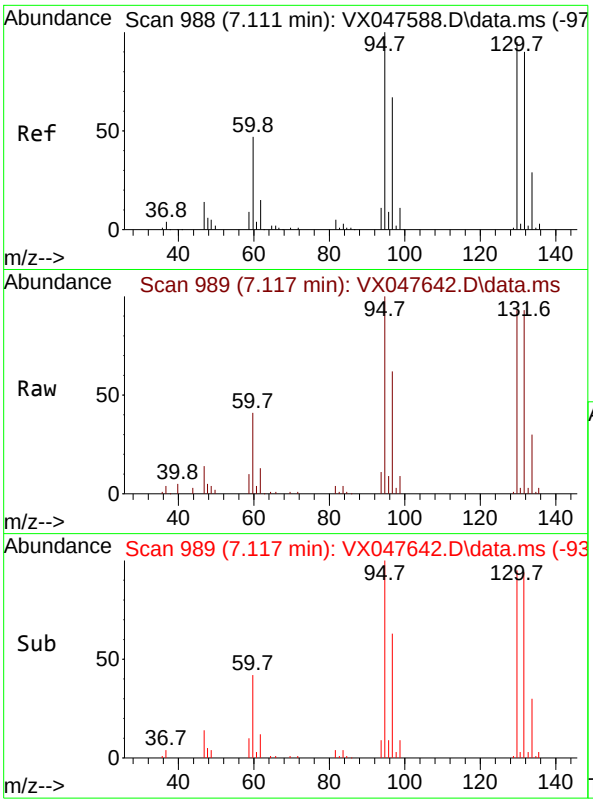


#35
Dibromofluoromethane
Concen: 46.025 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX047642.D
Acq: 18 Sep 2025 15:43

Tgt Ion:113 Resp: 107121

Ion	Ratio	Lower	Upper
113	100		
111	103.7	80.9	121.3
192	17.9	14.2	21.4



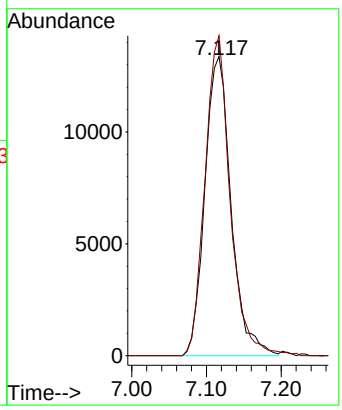


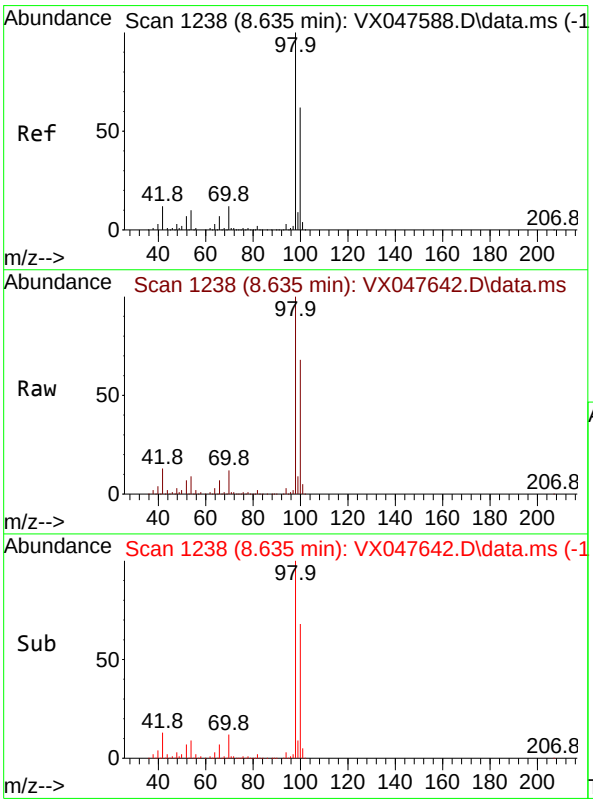
#44
Trichloroethene
Concen: 13.060 ug/l
RT: 7.117 min Scan# 9
Delta R.T. 0.006 min
Lab File: VX047642.D
Acq: 18 Sep 2025 15:43

Instrument :
MSVOA_X
ClientSampleId :
RE123D1-20250909

Tgt Ion:130 Resp: 32614

Ion	Ratio	Lower	Upper
130	100		
95	107.0	0.0	210.8

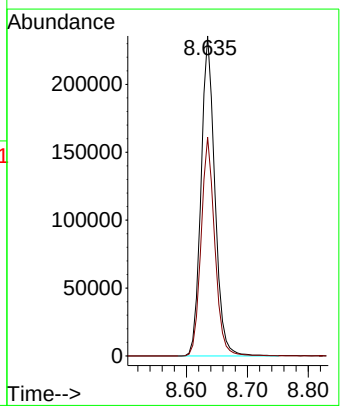


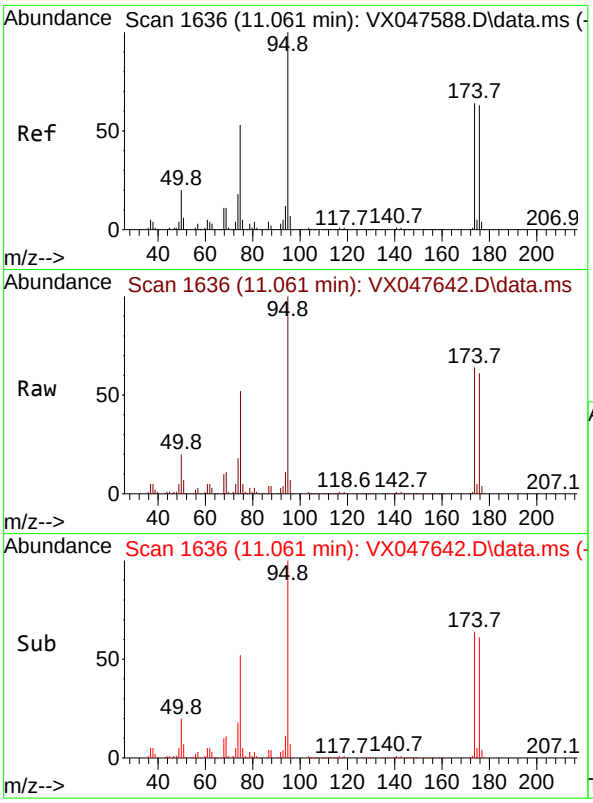


#50
Toluene-d8
Concen: 46.225 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX047642.D
Acq: 18 Sep 2025 15:43

Tgt Ion: 98 Resp: 372268

Ion	Ratio	Lower	Upper
98	100		
100	67.7	53.0	79.4



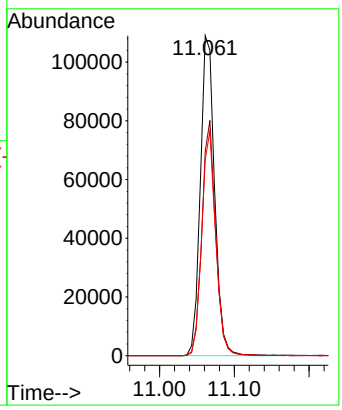


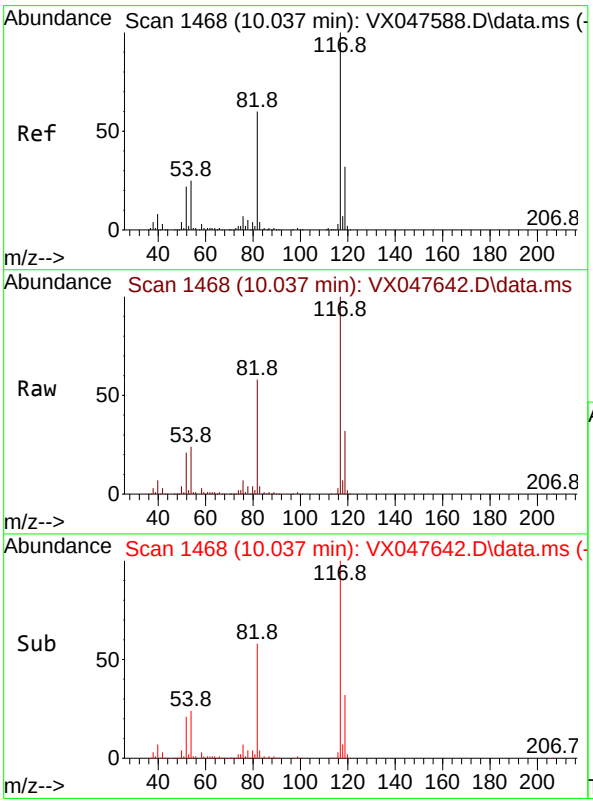
#62
4-Bromofluorobenzene
Concen: 47.288 ug/l
RT: 11.061 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047642.D
Acq: 18 Sep 2025 15:43

Instrument :
MSVOA_X
ClientSampleId :
RE123D1-20250909

Tgt Ion: 95 Resp: 144530

Ion	Ratio	Lower	Upper
95	100		
174	70.6	0.0	141.6
176	68.4	0.0	138.4

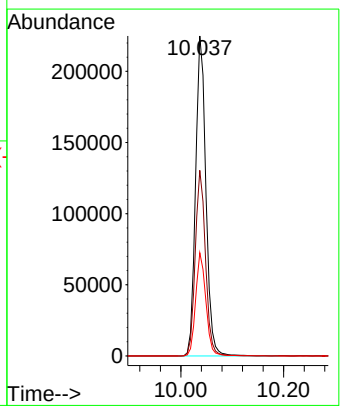


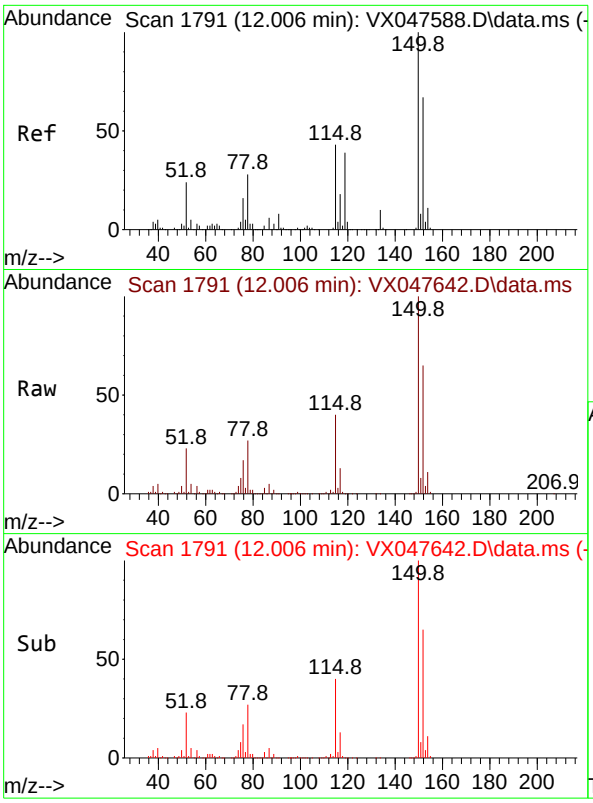


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX047642.D
Acq: 18 Sep 2025 15:43

Tgt Ion:117 Resp: 315013

Ion	Ratio	Lower	Upper
117	100		
82	58.0	47.8	71.6
119	32.3	25.2	37.8



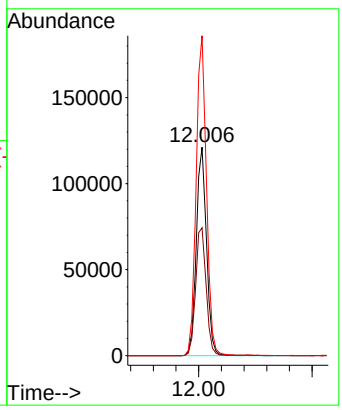


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047642.D
Acq: 18 Sep 2025 15:43

Instrument :
MSVOA_X
ClientSampleId :
RE123D1-20250909

Tgt Ion:152 Resp: 151637

Ion	Ratio	Lower	Upper
152	100		
115	63.3	44.9	134.5
150	154.8	0.0	352.0



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:	09/09/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/12/25
Client Sample ID:	RE123D3-20250909	SDG No.:	Q3095
Lab Sample ID:	Q3095-15	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047643.D	1	09/18/25 16:03	VX091825

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	UQ	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	0.23	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:	09/09/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/12/25
Client Sample ID:	RE123D3-20250909	SDG No.:	Q3095
Lab Sample ID:	Q3095-15	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047643.D	1	09/18/25 16:03	VX091825

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	52.0		81 - 118		104%	SPK: 50
1868-53-7	Dibromofluoromethane	50.8		80 - 119		102%	SPK: 50
2037-26-5	Toluene-d8	50.8		89 - 112		102%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.3		85 - 114		103%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	187000	5.544				
540-36-3	1,4-Difluorobenzene	343000	6.751				
3114-55-4	Chlorobenzene-d5	314000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	153000	12.006				

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:	09/09/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/12/25
Client Sample ID:	RE123D3-20250909	SDG No.:	Q3095
Lab Sample ID:	Q3095-15	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047643.D	1	09/18/25 16:03	VX091825

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\VX091825\
Data File : VX047643.D
Acq On : 18 Sep 2025 16:03
Operator : JC/MD
Sample : Q3095-15
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RE123D3-20250909

Quant Time: Sep 19 01:33:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

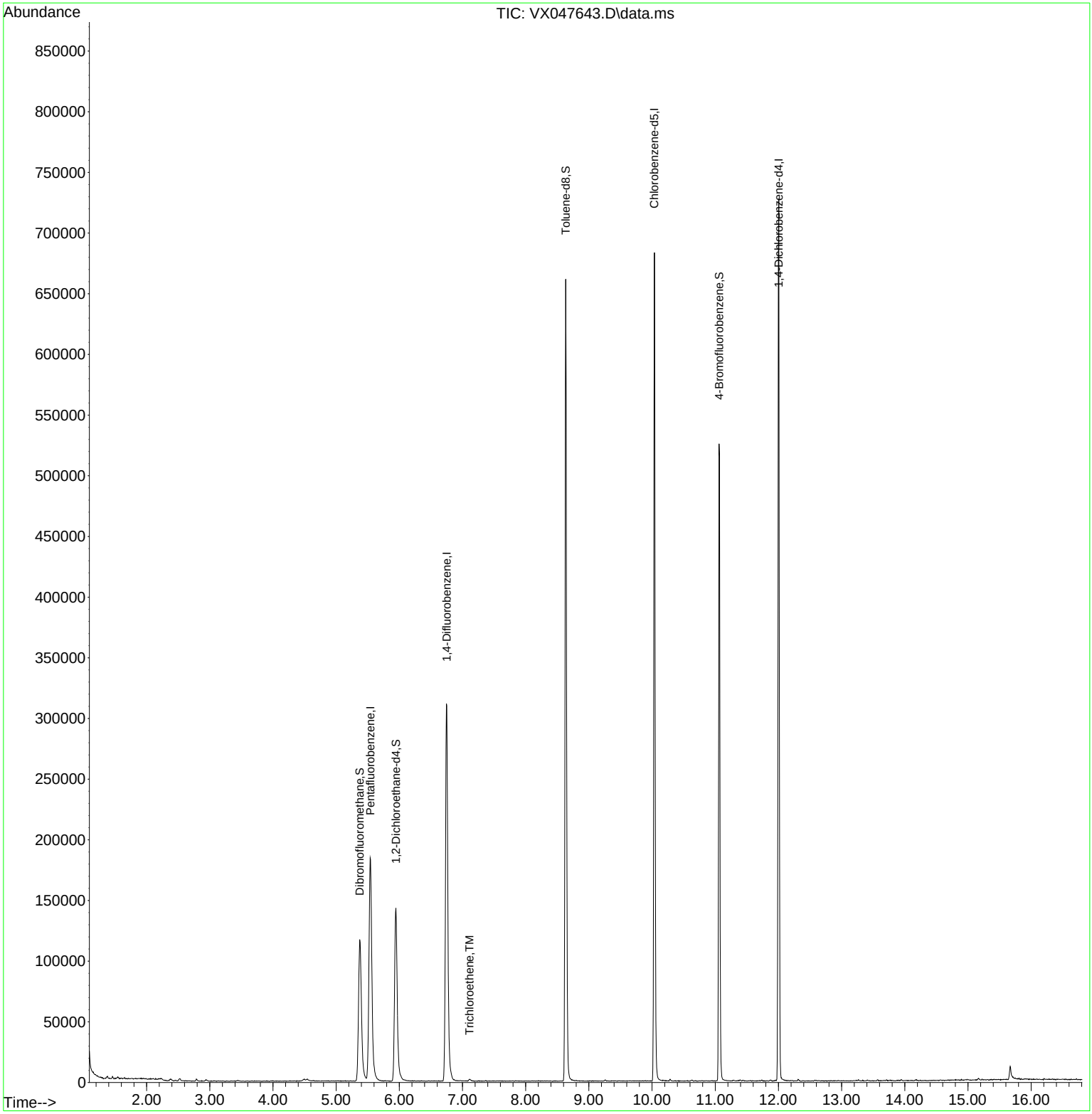
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	186629	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	342621	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	313823	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	153255	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	154464	51.996	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 104.000%			
35) Dibromofluoromethane	5.373	113	116621	50.753	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.500%			
50) Toluene-d8	8.635	98	404061	50.820	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 101.640%			
62) 4-Bromofluorobenzene	11.061	95	154855	51.319	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 102.640%			
Target Compounds						Qvalue
44) Trichloroethene	7.110	130	563	0.228	ug/l	93

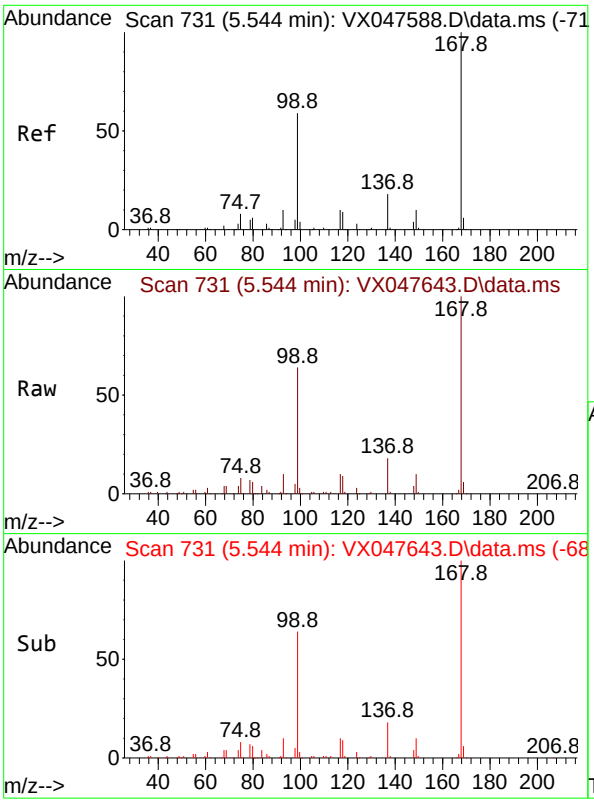
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091825\
Data File : VX047643.D
Acq On : 18 Sep 2025 16:03
Operator : JC/MD
Sample : Q3095-15
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RE123D3-20250909

Quant Time: Sep 19 01:33:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



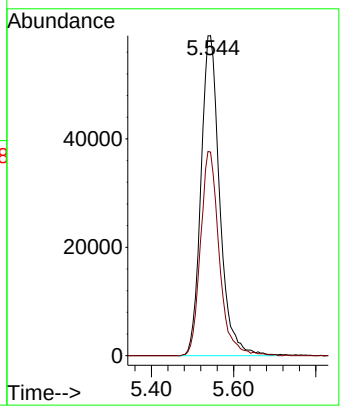


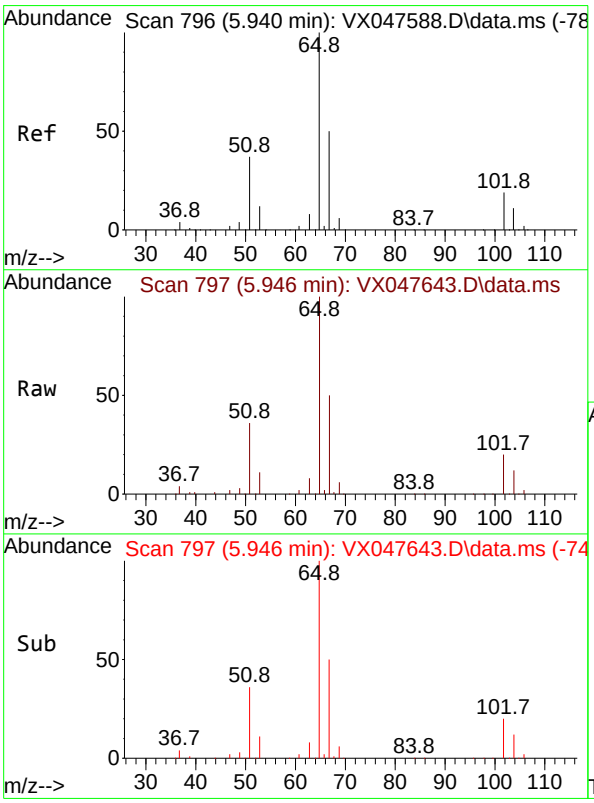
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047643.D
Acq: 18 Sep 2025 16:03

Instrument :
MSVOA_X
ClientSampleId :
RE123D3-20250909

Tgt Ion:168 Resp: 186629

Ion	Ratio	Lower	Upper
168	100		
99	63.6	48.8	73.2

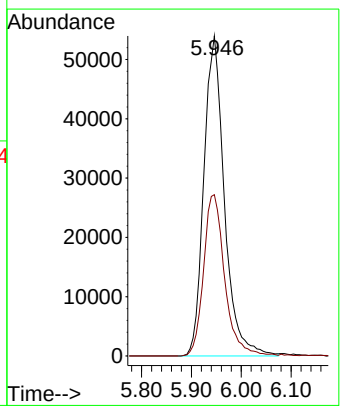


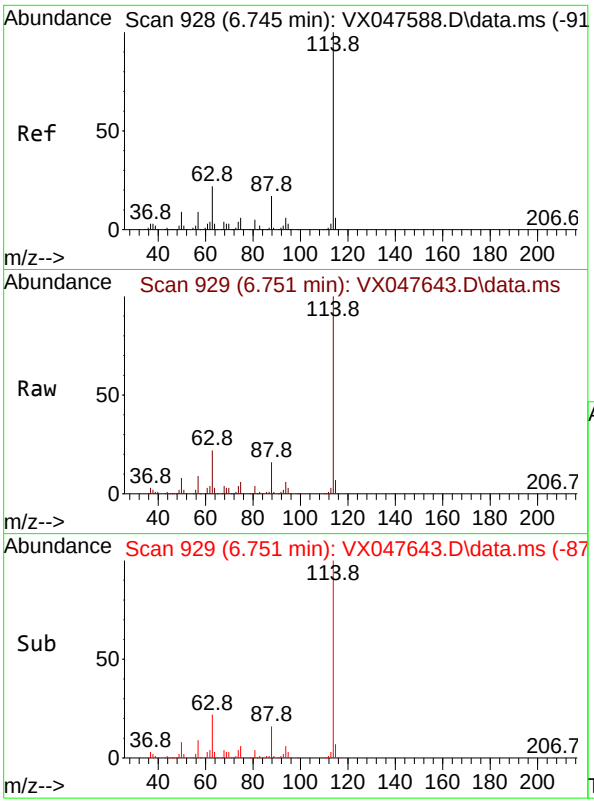


#33
1,2-Dichloroethane-d4
Concen: 51.996 ug/l
RT: 5.946 min Scan# 797
Delta R.T. 0.006 min
Lab File: VX047643.D
Acq: 18 Sep 2025 16:03

Tgt Ion: 65 Resp: 154464

Ion	Ratio	Lower	Upper
65	100		
67	51.9	0.0	103.0



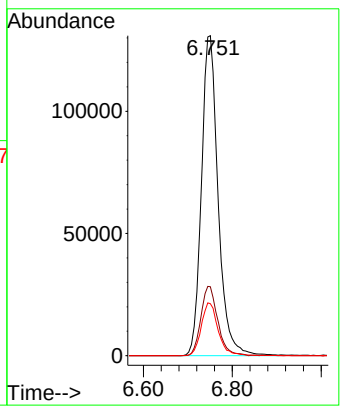


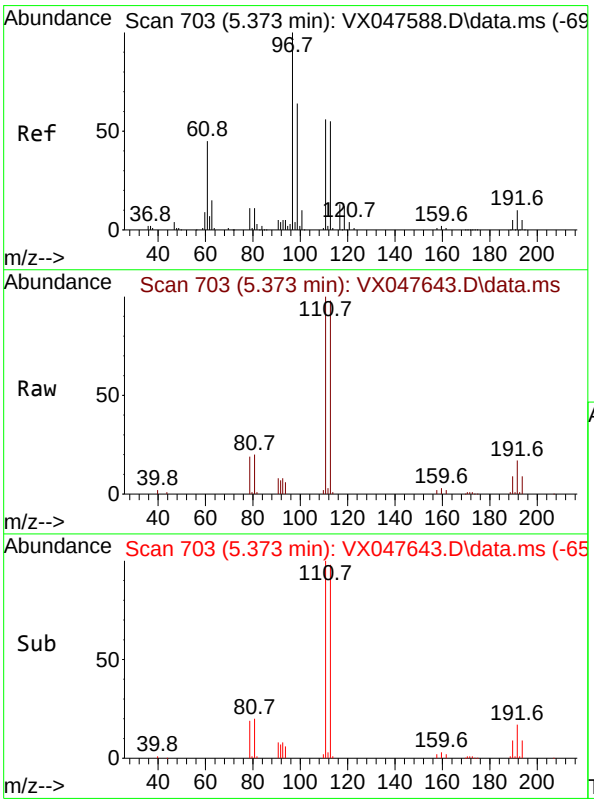
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 9
Delta R.T. 0.006 min
Lab File: VX047643.D
Acq: 18 Sep 2025 16:03

Instrument :
MSVOA_X
ClientSampleId :
RE123D3-20250909

Tgt Ion:114 Resp: 342621

Ion	Ratio	Lower	Upper
114	100		
63	21.6	0.0	44.0
88	16.3	0.0	34.2

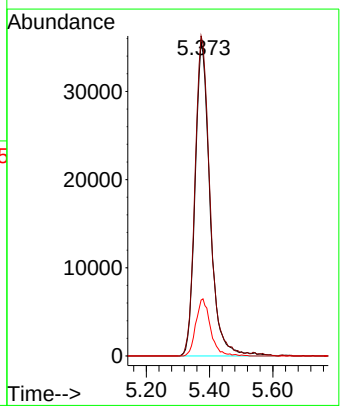


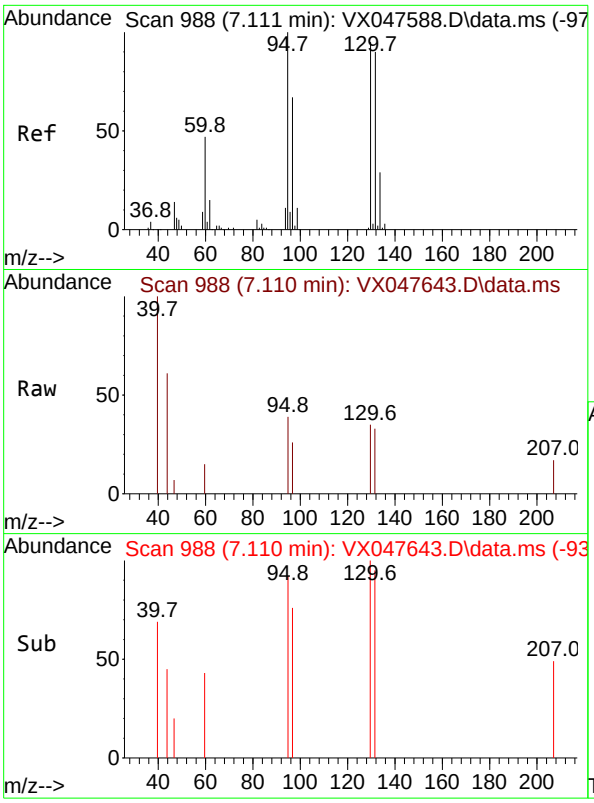


#35
Dibromofluoromethane
Concen: 50.753 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX047643.D
Acq: 18 Sep 2025 16:03

Tgt Ion:113 Resp: 116621

Ion	Ratio	Lower	Upper
113	100		
111	102.6	80.9	121.3
192	17.8	14.2	21.4



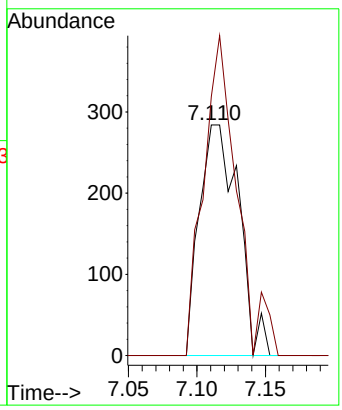


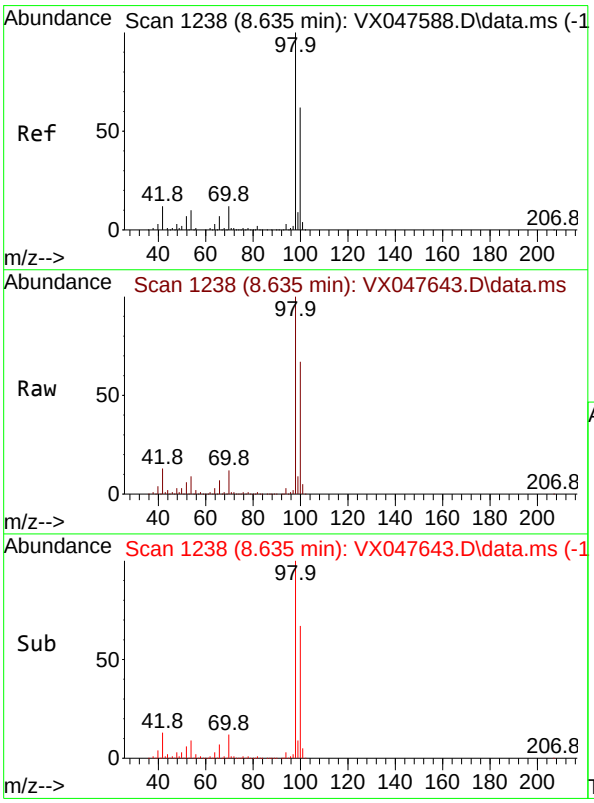
#44
Trichloroethene
Concen: 0.228 ug/l
RT: 7.110 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX047643.D
Acq: 18 Sep 2025 16:03

Instrument :
MSVOA_X
ClientSampleId :
RE123D3-20250909

Tgt Ion:130 Resp: 563

Ion	Ratio	Lower	Upper
130	100		
95	112.3	0.0	210.8

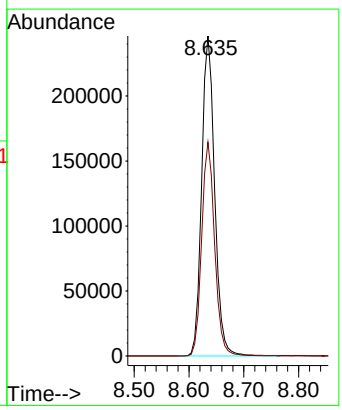


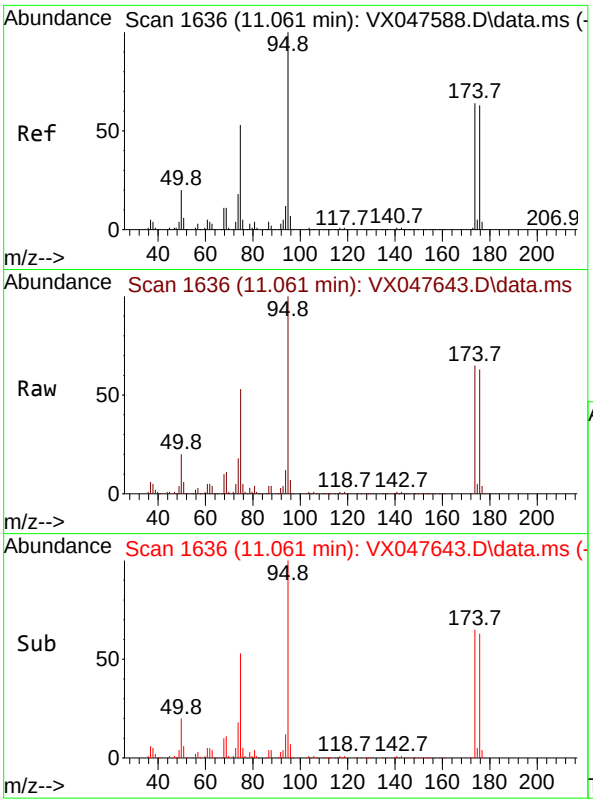


#50
Toluene-d8
Concen: 50.820 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX047643.D
Acq: 18 Sep 2025 16:03

Tgt Ion: 98 Resp: 404061

Ion	Ratio	Lower	Upper
98	100		
100	66.7	53.0	79.4



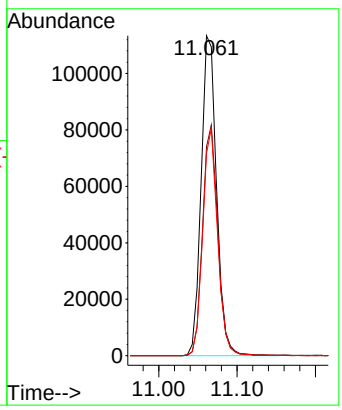


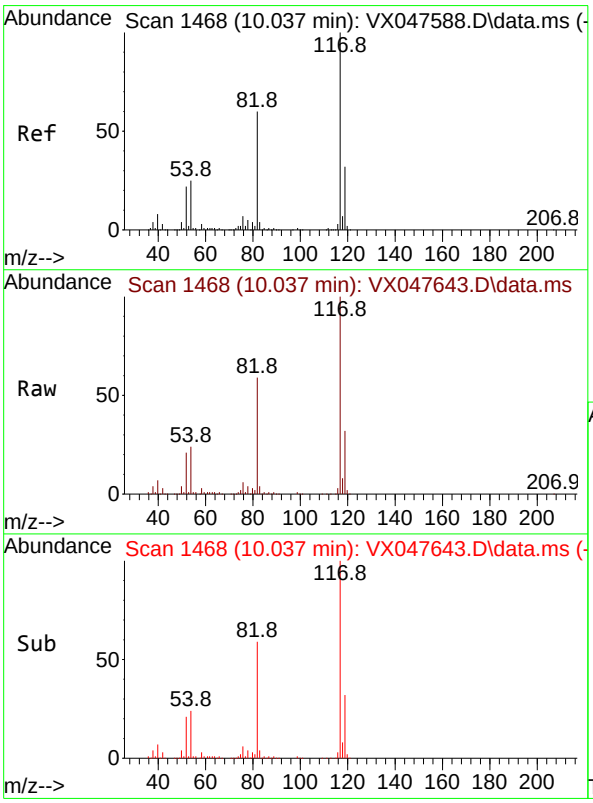
#62
4-Bromofluorobenzene
Concen: 51.319 ug/l
RT: 11.061 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047643.D
Acq: 18 Sep 2025 16:03

Instrument :
MSVOA_X
ClientSampleId :
RE123D3-20250909

Tgt Ion: 95 Resp: 154855

Ion	Ratio	Lower	Upper
95	100		
174	70.9	0.0	141.6
176	68.7	0.0	138.4

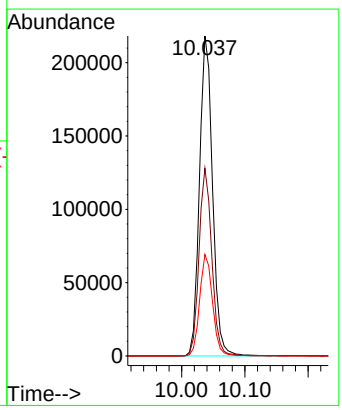


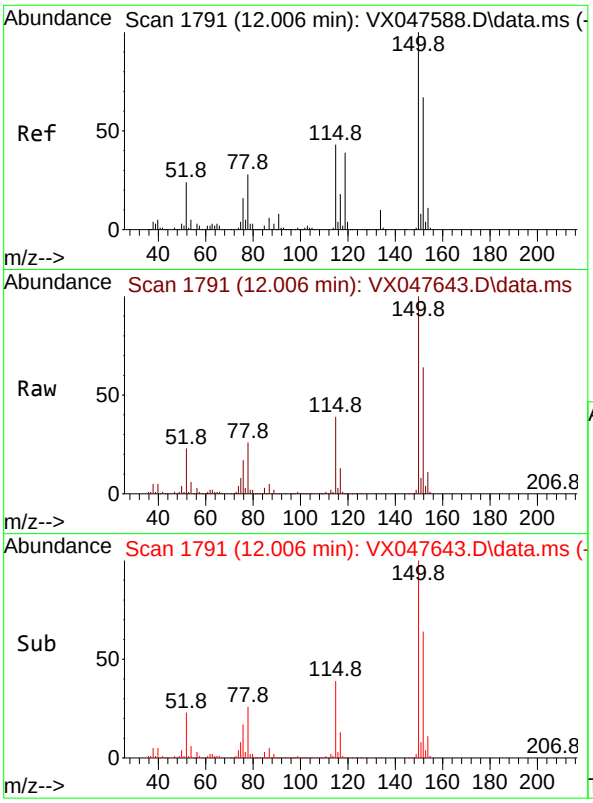


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX047643.D
Acq: 18 Sep 2025 16:03

Tgt Ion:117 Resp: 313823

Ion	Ratio	Lower	Upper
117	100		
82	58.7	47.8	71.6
119	31.7	25.2	37.8



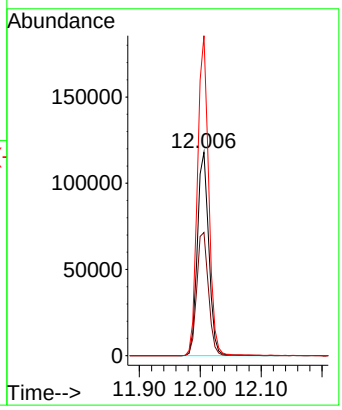


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047643.D
Acq: 18 Sep 2025 16:03

Instrument :
MSVOA_X
ClientSampleId :
RE123D3-20250909

Tgt Ion:152 Resp: 153255

Ion	Ratio	Lower	Upper
152	100		
115	62.2	44.9	134.5
150	154.4	0.0	352.0



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:	09/09/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/12/25
Client Sample ID:	MW305D-20250909	SDG No.:	Q3095
Lab Sample ID:	Q3095-16	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047619.D	1	09/17/25 15:30	VX091725

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	0.33	J	0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.54	J	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	1.10		0.23	0.75	1.00	ug/L
67-64-1	Acetone	3.80	U	1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.67	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	0.40	J	0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.53	J	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	1.50		0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.22	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.16	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	1100	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:	09/09/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/12/25
Client Sample ID:	MW305D-20250909	SDG No.:	Q3095
Lab Sample ID:	Q3095-16	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047619.D	1	09/17/25 15:30	VX091725

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	1.70		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	50.1		81 - 118		100%	SPK: 50
1868-53-7	Dibromofluoromethane	45.3		80 - 119		91%	SPK: 50
2037-26-5	Toluene-d8	43.0	*	89 - 112		86%	SPK: 50
460-00-4	4-Bromofluorobenzene	45.1		85 - 114		90%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	153000	5.544				
540-36-3	1,4-Difluorobenzene	291000	6.751				
3114-55-4	Chlorobenzene-d5	250000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	122000	12.006				

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:	09/09/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/12/25
Client Sample ID:	MW305D-20250909	SDG No.:	Q3095
Lab Sample ID:	Q3095-16	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047619.D	1	09/17/25 15:30	VX091725

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\VX091725\
Data File : VX047619.D
Acq On : 17 Sep 2025 15:30
Operator : JC/MD
Sample : Q3095-16
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW305D-20250909

Quant Time: Sep 18 02:05:54 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

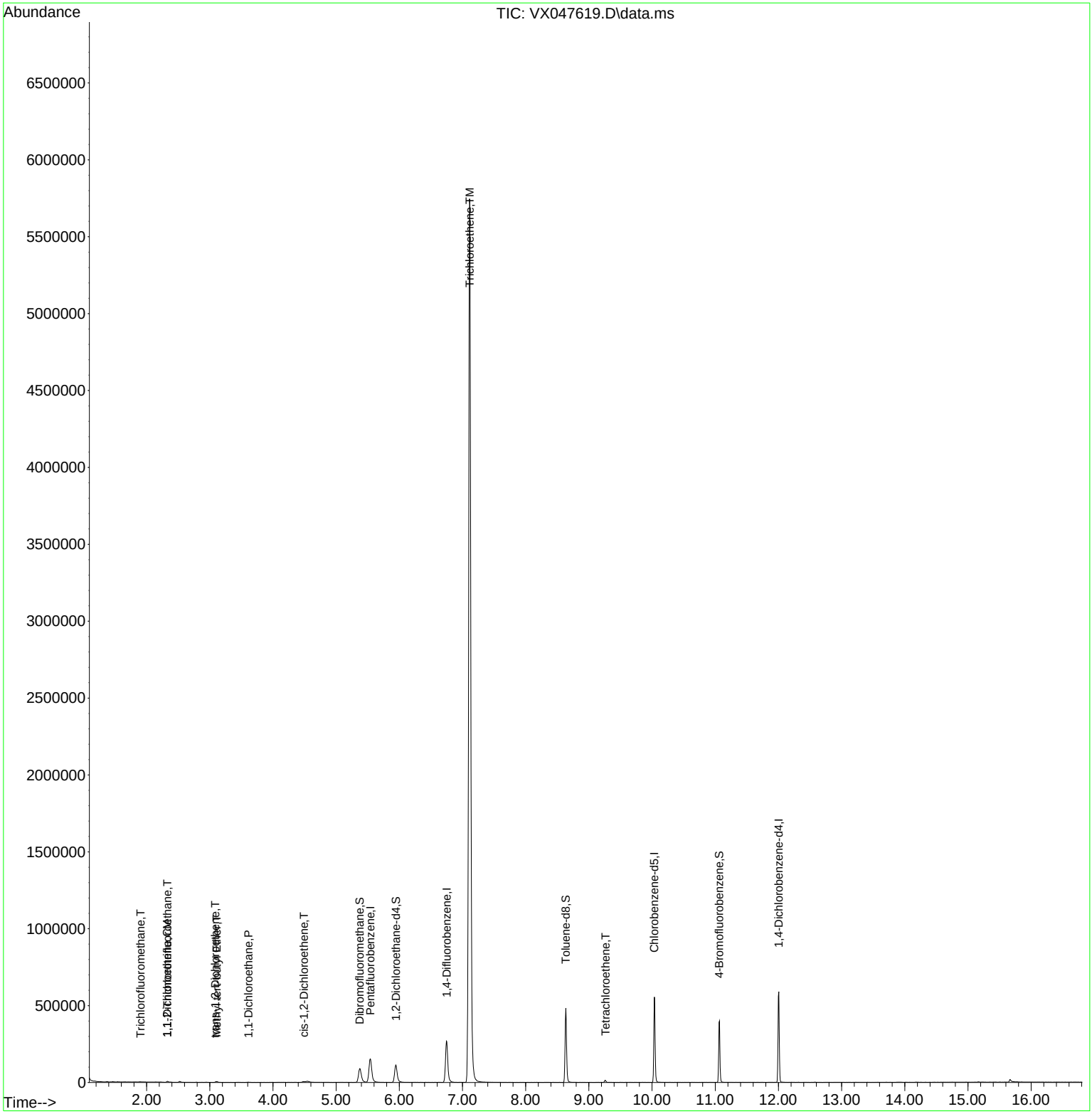
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	153315	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	290828	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	250024	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	122022	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	122351	50.136	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 100.280%			
35) Dibromofluoromethane	5.373	113	88334	45.289	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 90.580%			
50) Toluene-d8	8.635	98	290425	43.033	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 86.060%#			
62) 4-Bromofluorobenzene	11.061	95	115422	45.063	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 90.120%			
Target Compounds						Qvalue
7) Trichlorofluoromethane	1.904	101	991	0.327	ug/l	87
9) 1,1,2-Trichlorotrifluo...	2.331	101	952	0.537	ug/l	96
12) 1,1-Dichloroethene	2.325	96	1930	1.060	ug/l	87
19) Methyl tert-butyl Ether	3.111	73	4472	0.673	ug/l #	89
21) trans-1,2-Dichloroethene	3.087	96	778	0.397	ug/l #	74
24) 1,1-Dichloroethane	3.611	63	2035	0.526	ug/l #	81
27) cis-1,2-Dichloroethene	4.489	96	3577	1.489	ug/l	94
44) Trichloroethene	7.117	130	2395935	1144.848	ug/l	96
64) Tetrachloroethene	9.263	164	2830	1.736	ug/l	88

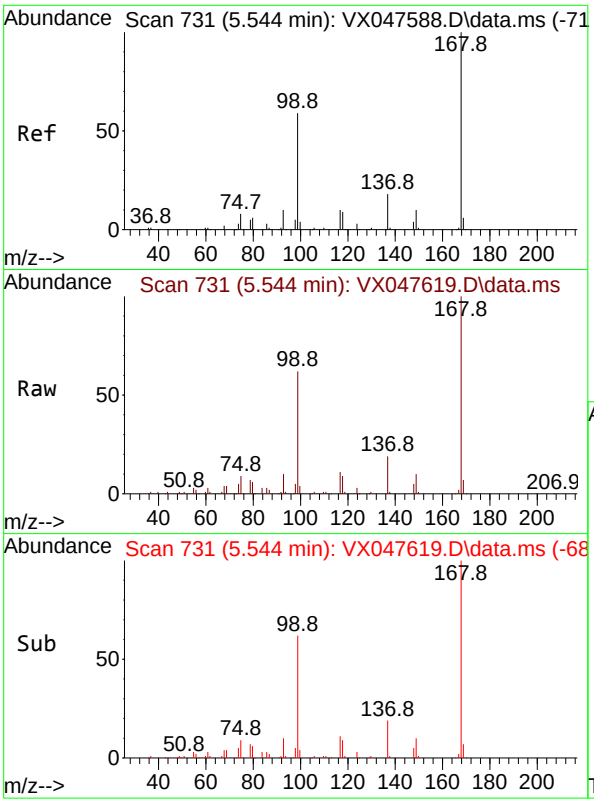
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091725\
Data File : VX047619.D
Acq On : 17 Sep 2025 15:30
Operator : JC/MD
Sample : Q3095-16
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW305D-20250909

Quant Time: Sep 18 02:05:54 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



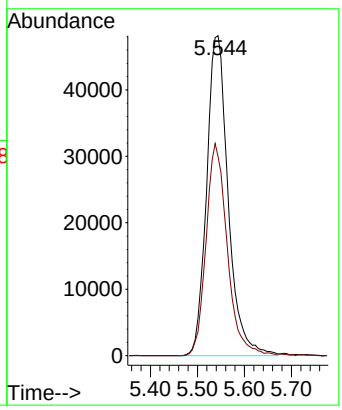


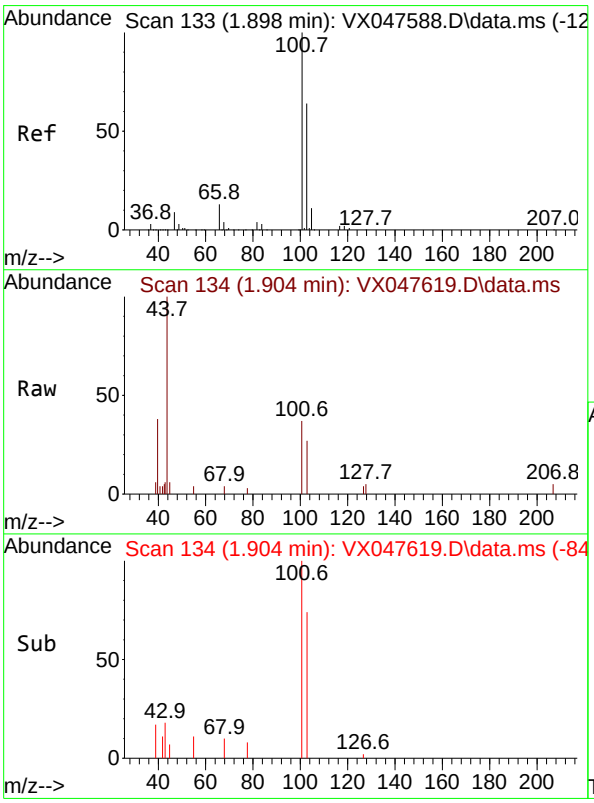
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047619.D
Acq: 17 Sep 2025 15:30

Instrument :
MSVOA_X
ClientSampleId :
MW305D-20250909

Tgt Ion:168 Resp: 153315

Ion	Ratio	Lower	Upper
168	100		
99	62.3	48.8	73.2

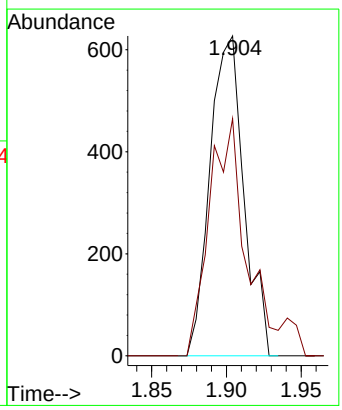


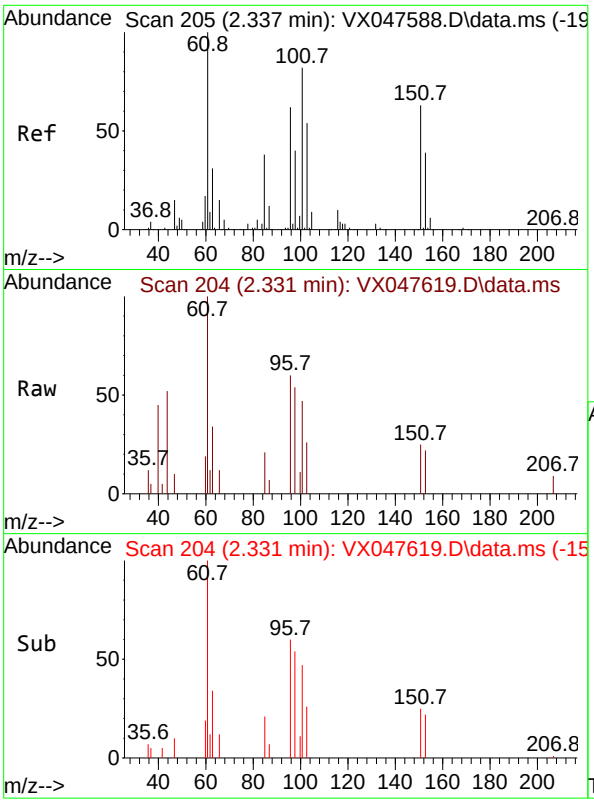


#7
Trichlorofluoromethane
Concen: 0.327 ug/l
RT: 1.904 min Scan# 134
Delta R.T. 0.006 min
Lab File: VX047619.D
Acq: 17 Sep 2025 15:30

Tgt Ion:101 Resp: 991

Ion	Ratio	Lower	Upper
101	100		
103	74.2	51.4	77.2



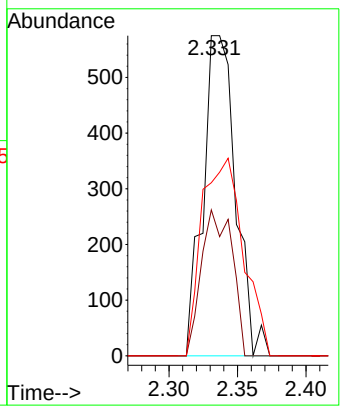


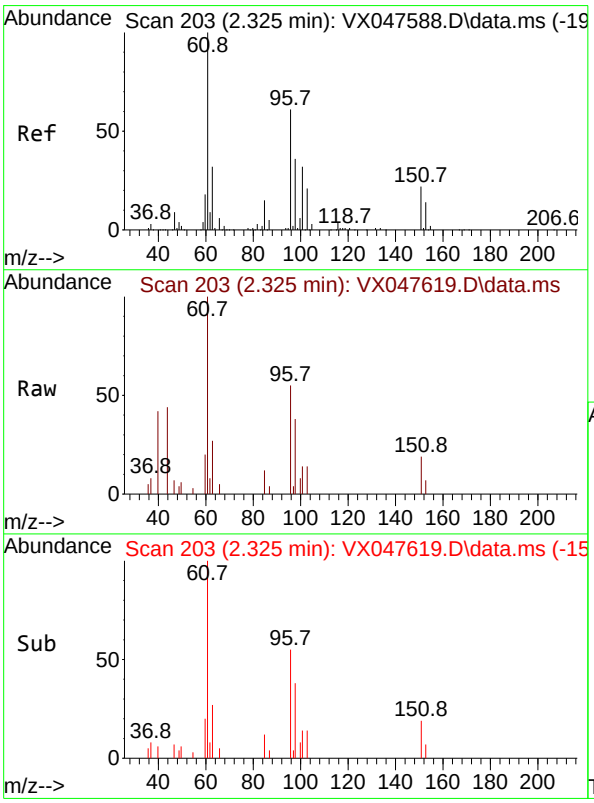
#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.537 ug/l
RT: 2.331 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047619.D
Acq: 17 Sep 2025 15:30

Instrument :
MSVOA_X
ClientSampleId :
MW305D-20250909

Tgt Ion:101 Resp: 952

Ion	Ratio	Lower	Upper
101	100		
85	43.0	35.5	53.3
151	78.7	59.4	89.0

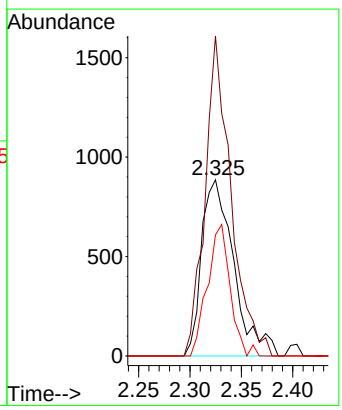


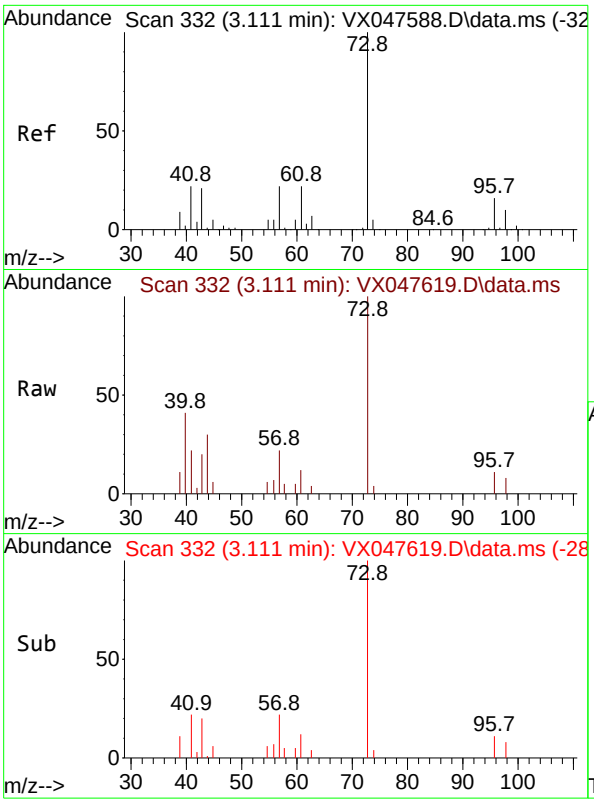


#12
1,1-Dichloroethene
Concen: 1.060 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX047619.D
Acq: 17 Sep 2025 15:30

Tgt Ion: 96 Resp: 1930

Ion	Ratio	Lower	Upper
96	100		
61	181.6	131.0	196.6
98	68.7	47.7	71.5



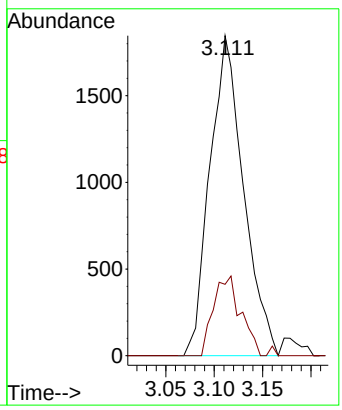


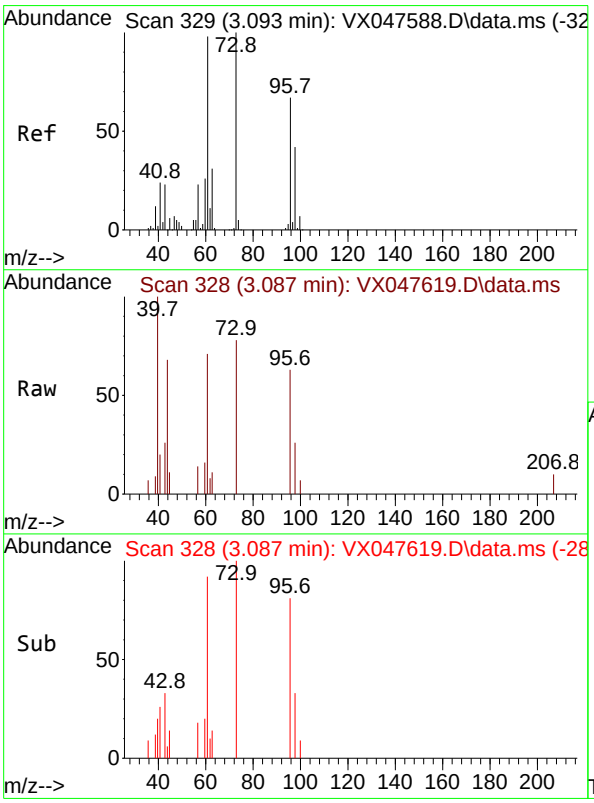
#19
Methyl tert-butyl Ether
Concen: 0.673 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047619.D
Acq: 17 Sep 2025 15:30

Instrument :
MSVOA_X
ClientSampleId :
MW305D-20250909

Tgt Ion: 73 Resp: 4472

Ion	Ratio	Lower	Upper
73	100		
57	26.9	17.4	26.2#

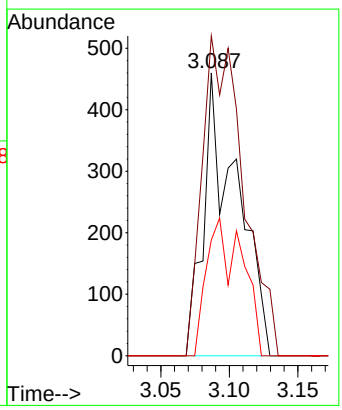


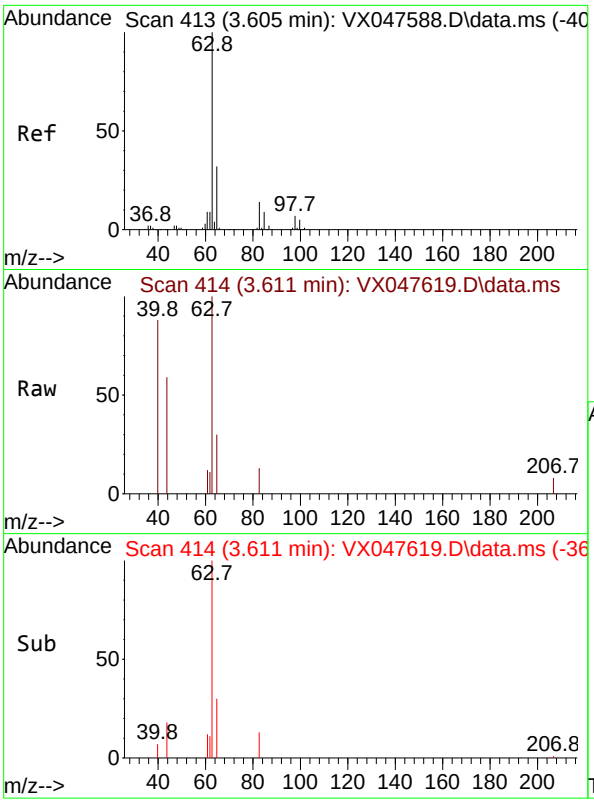


#21
trans-1,2-Dichloroethene
Concen: 0.397 ug/l
RT: 3.087 min Scan# 328
Delta R.T. -0.006 min
Lab File: VX047619.D
Acq: 17 Sep 2025 15:30

Tgt Ion: 96 Resp: 778

Ion	Ratio	Lower	Upper
96	100		
61	113.0	116.2	174.2#
98	40.9	49.3	73.9#



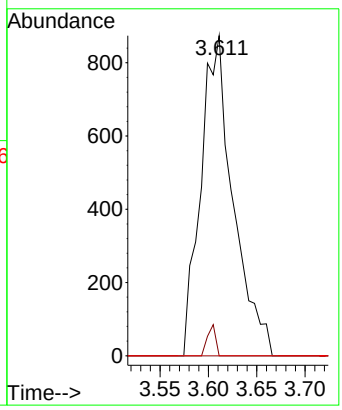


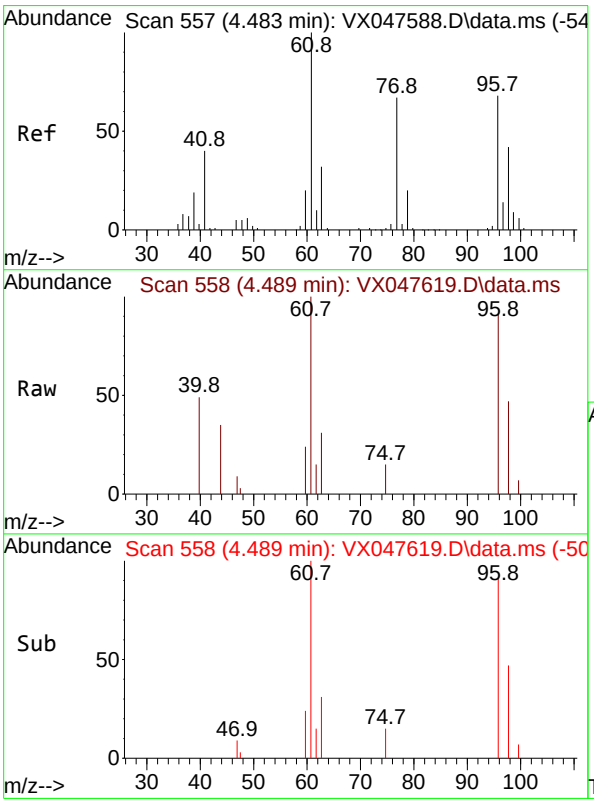
#24
1,1-Dichloroethane
Concen: 0.526 ug/l
RT: 3.611 min Scan# 41
Delta R.T. 0.006 min
Lab File: VX047619.D
Acq: 17 Sep 2025 15:30

Instrument :
MSVOA_X
ClientSampleId :
MW305D-20250909

Tgt Ion: 63 Resp: 2035

Ion	Ratio	Lower	Upper
63	100		
98	0.0	3.8	11.2#
100	0.0	2.3	6.9#

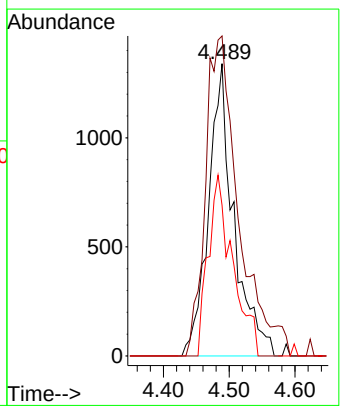


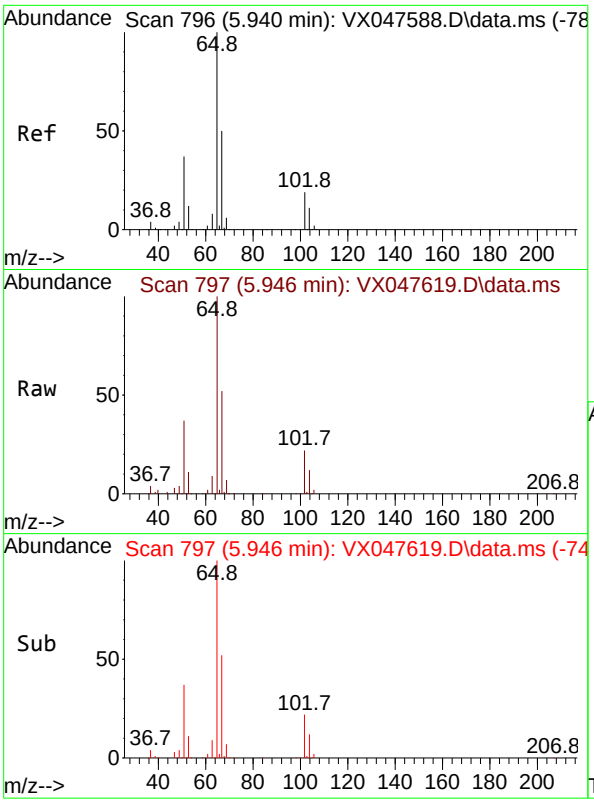


#27
cis-1,2-Dichloroethene
Concen: 1.489 ug/l
RT: 4.489 min Scan# 558
Delta R.T. 0.006 min
Lab File: VX047619.D
Acq: 17 Sep 2025 15:30

Tgt Ion: 96 Resp: 3577

Ion	Ratio	Lower	Upper
96	100		
61	143.6	0.0	303.2
98	59.9	0.0	127.8



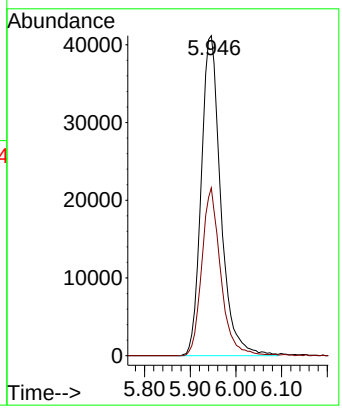


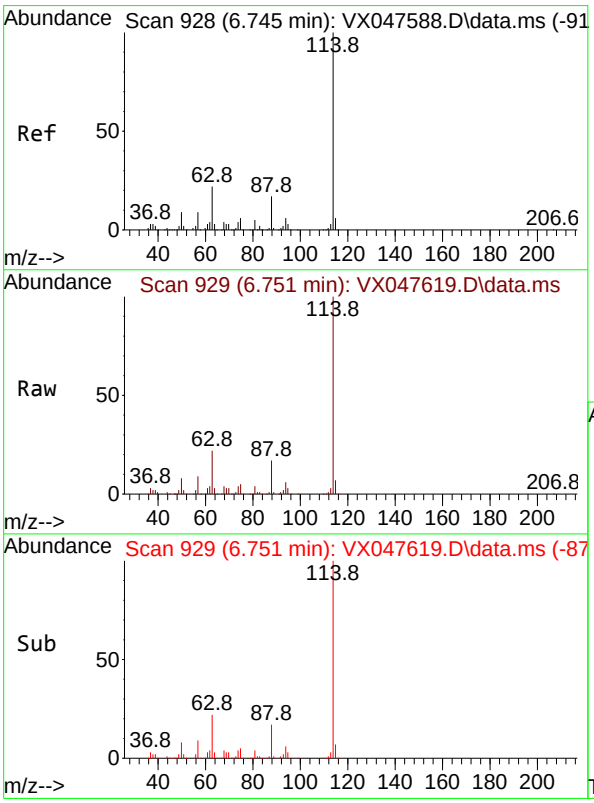
#33
1,2-Dichloroethane-d4
Concen: 50.136 ug/l
RT: 5.946 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047619.D
Acq: 17 Sep 2025 15:30

Instrument :
MSVOA_X
ClientSampleId :
MW305D-20250909

Tgt Ion: 65 Resp: 122351

Ion	Ratio	Lower	Upper
65	100		
67	50.6	0.0	103.0

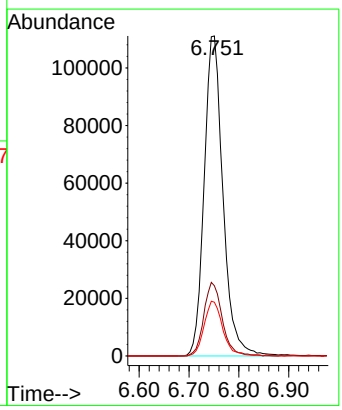


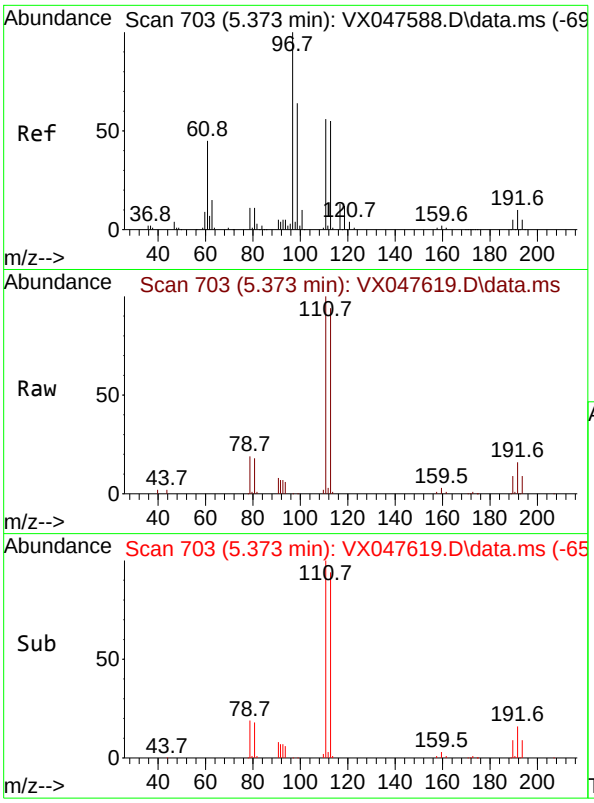


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 929
Delta R.T. 0.006 min
Lab File: VX047619.D
Acq: 17 Sep 2025 15:30

Tgt Ion:114 Resp: 290828

Ion	Ratio	Lower	Upper
114	100		
63	22.0	0.0	44.0
88	16.8	0.0	34.2



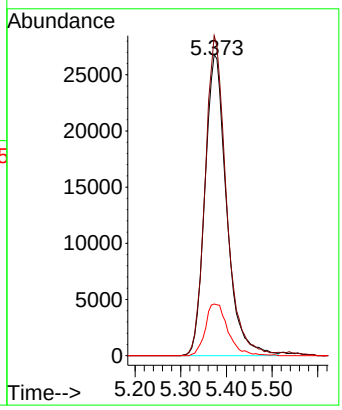


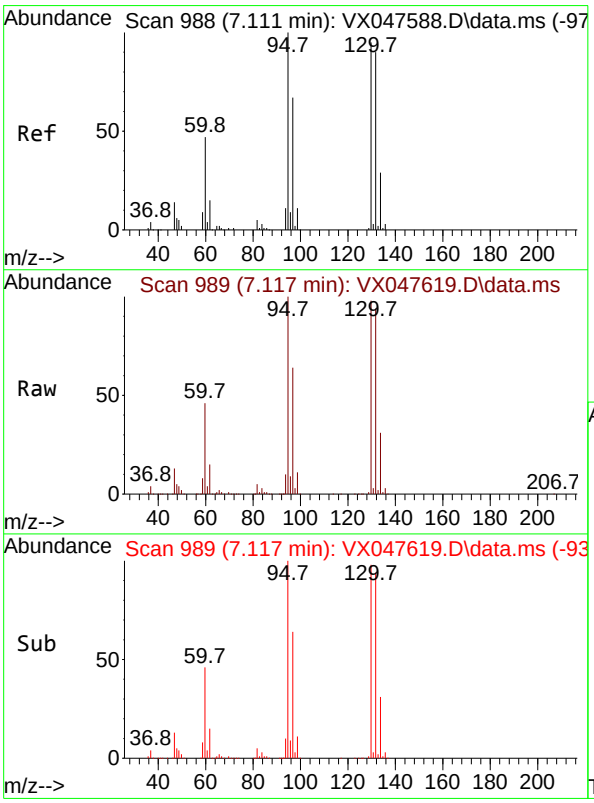
#35
Dibromofluoromethane
Concen: 45.289 ug/l
RT: 5.373 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047619.D
Acq: 17 Sep 2025 15:30

Instrument :
MSVOA_X
ClientSampleId :
MW305D-20250909

Tgt Ion:113 Resp: 88334

Ion	Ratio	Lower	Upper
113	100		
111	104.0	80.9	121.3
192	18.0	14.2	21.4

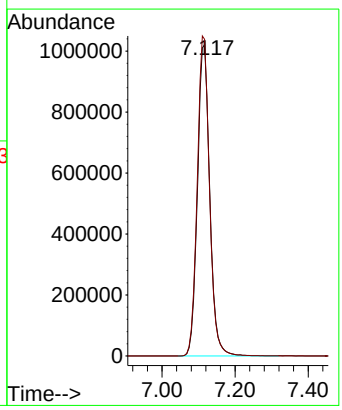


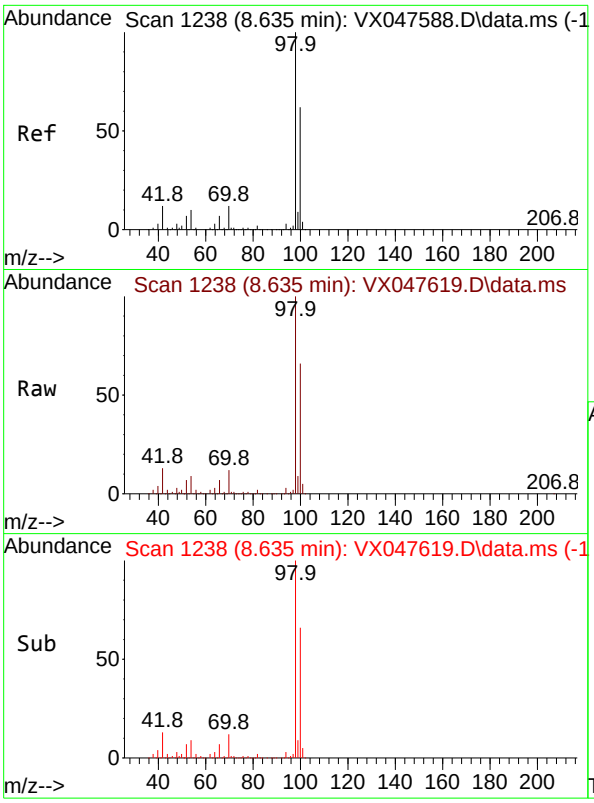


#44
Trichloroethene
Concen: 1144.848 ug/l
RT: 7.117 min Scan# 989
Delta R.T. 0.006 min
Lab File: VX047619.D
Acq: 17 Sep 2025 15:30

Tgt Ion:130 Resp: 2395935

Ion	Ratio	Lower	Upper
130	100		
95	101.7	0.0	210.8



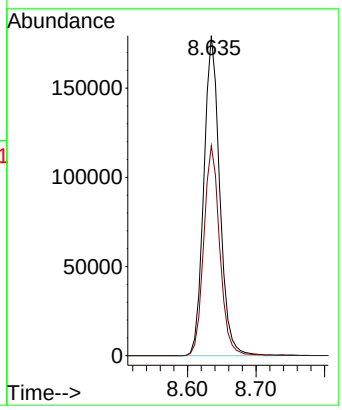


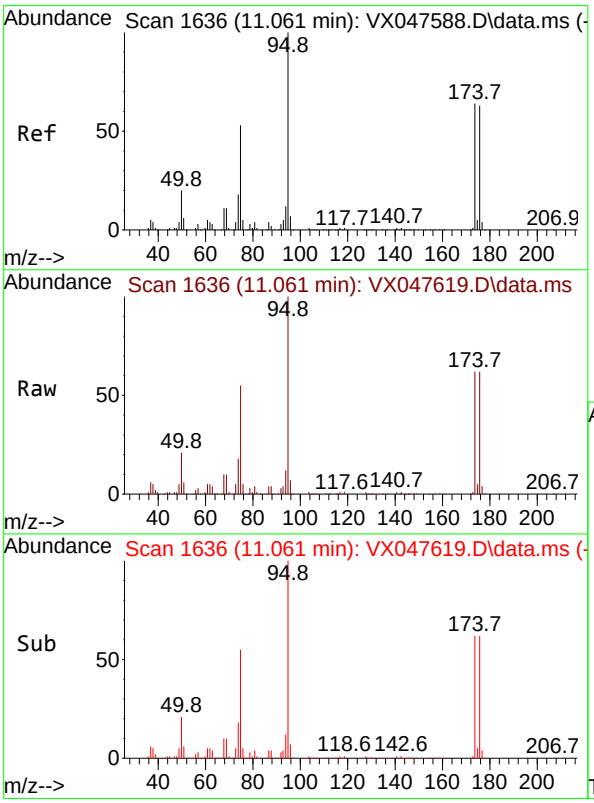
#50
Toluene-d8
Concen: 43.033 ug/l
RT: 8.635 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047619.D
Acq: 17 Sep 2025 15:30

Instrument :
MSVOA_X
ClientSampleId :
MW305D-20250909

Tgt Ion: 98 Resp: 290425

Ion	Ratio	Lower	Upper
98	100		
100	66.1	53.0	79.4

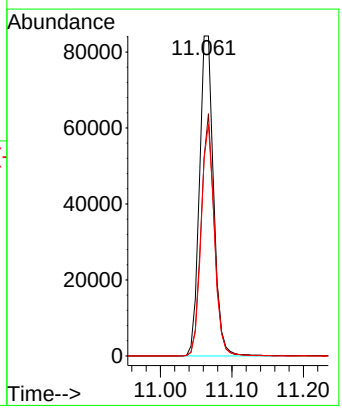


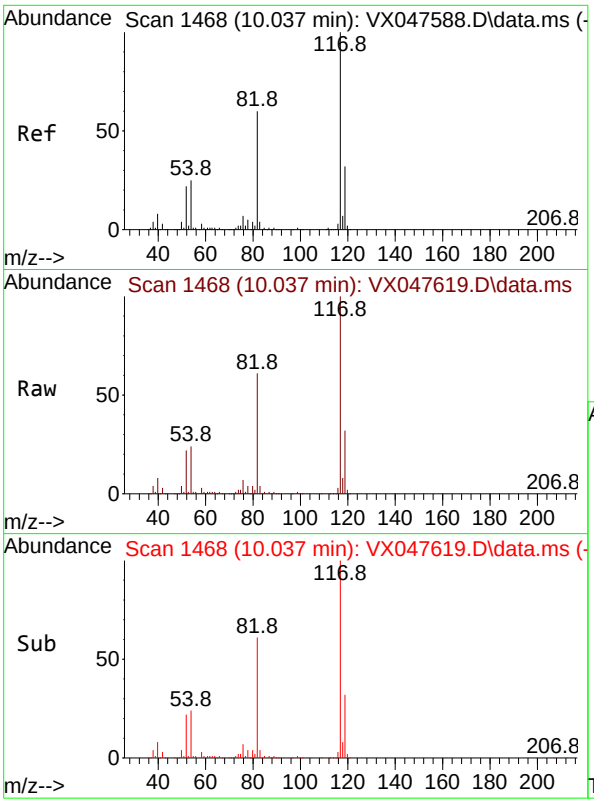


#62
4-Bromofluorobenzene
Concen: 45.063 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX047619.D
Acq: 17 Sep 2025 15:30

Tgt Ion: 95 Resp: 115422

Ion	Ratio	Lower	Upper
95	100		
174	70.4	0.0	141.6
176	68.3	0.0	138.4



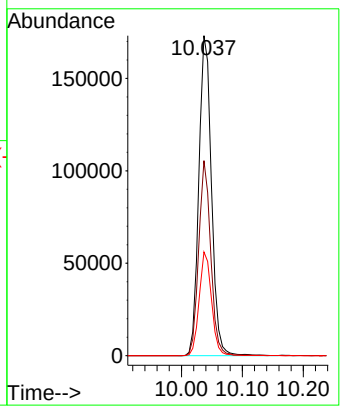


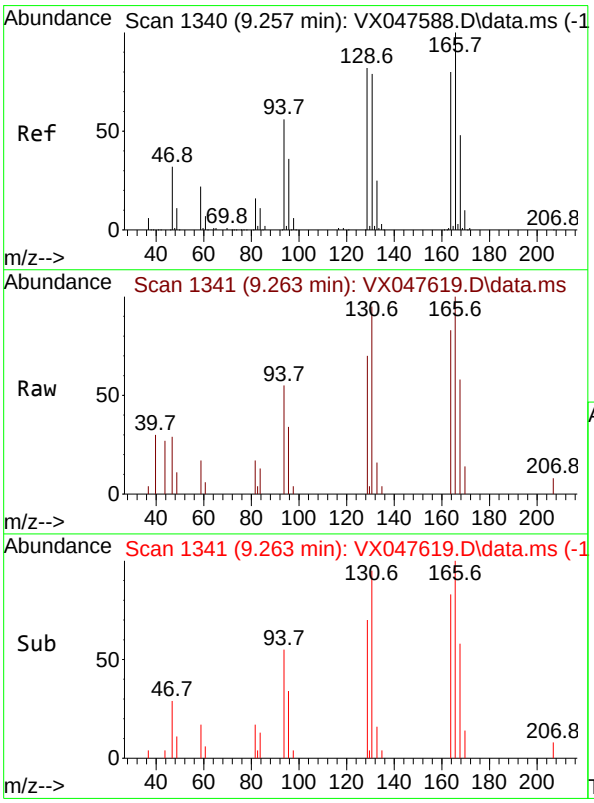
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047619.D
Acq: 17 Sep 2025 15:30

Instrument :
MSVOA_X
ClientSampleId :
MW305D-20250909

Tgt Ion:117 Resp: 250024

Ion	Ratio	Lower	Upper
117	100		
82	61.0	47.8	71.6
119	32.4	25.2	37.8

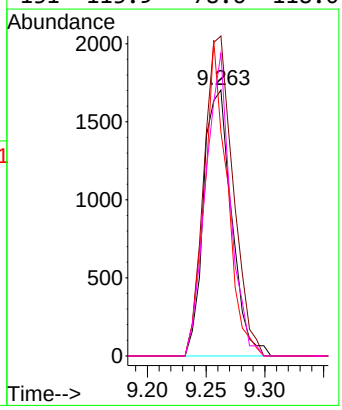


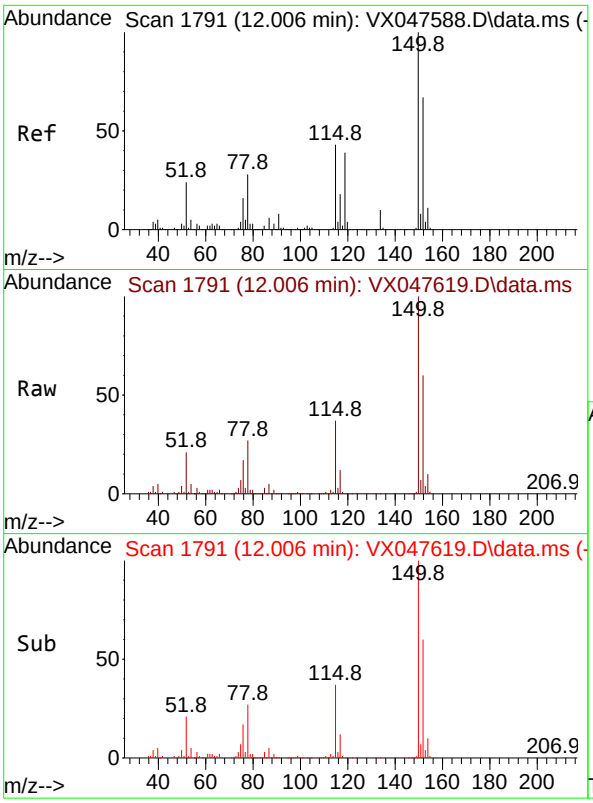


#64
Tetrachloroethene
Concen: 1.736 ug/l
RT: 9.263 min Scan# 1341
Delta R.T. 0.006 min
Lab File: VX047619.D
Acq: 17 Sep 2025 15:30

Tgt Ion:164 Resp: 2830

Ion	Ratio	Lower	Upper
164	100		
166	120.4	100.2	150.2
129	84.2	81.8	122.6
131	113.9	78.6	118.0



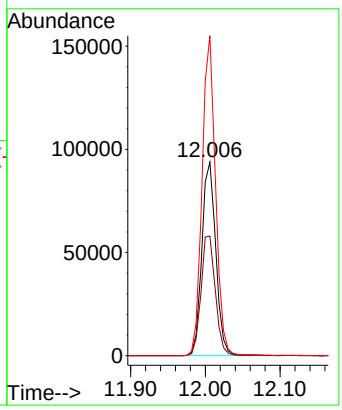


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047619.D
Acq: 17 Sep 2025 15:30

Instrument :
MSVOA_X
ClientSampleId :
MW305D-20250909

Tgt Ion:152 Resp: 122022

Ion	Ratio	Lower	Upper
152	100		
115	63.4	44.9	134.5
150	158.9	0.0	352.0



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:	09/09/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/12/25
Client Sample ID:	MW305D-20250909DL	SDG No.:	Q3095
Lab Sample ID:	Q3095-16DL	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047639.D	20	09/18/25 14:40	VX091825

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	UD	5.40	15.0	20.0	ug/L
75-09-2	Methylene Chloride	10.0	UD	5.60	10.0	20.0	ug/L
156-60-5	trans-1,2-Dichloroethene	10.0	UD	4.60	10.0	20.0	ug/L
75-34-3	1,1-Dichloroethane	10.0	UD	4.60	10.0	20.0	ug/L
110-82-7	Cyclohexane	50.0	UD	29.0	50.0	100	ug/L
78-93-3	2-Butanone	50.0	UD	19.6	50.0	100	ug/L
56-23-5	Carbon Tetrachloride	10.0	UD	5.00	10.0	20.0	ug/L
156-59-2	cis-1,2-Dichloroethene	15.0	UD	3.80	15.0	20.0	ug/L
74-97-5	Bromochloromethane	10.0	UDQ	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	1000	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:	09/09/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/12/25
Client Sample ID:	MW305D-20250909DL	SDG No.:	Q3095
Lab Sample ID:	Q3095-16DL	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047639.D	20	09/18/25 14:40	VX091825

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	50.8		81 - 118		102%	SPK: 50
1868-53-7	Dibromofluoromethane	48.1		80 - 119		96%	SPK: 50
2037-26-5	Toluene-d8	48.5		89 - 112		97%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.0		85 - 114		98%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	192000	5.544				
540-36-3	1,4-Difluorobenzene	355000	6.751				
3114-55-4	Chlorobenzene-d5	320000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	157000	12.006				

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:	09/09/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/12/25
Client Sample ID:	MW305D-20250909DL	SDG No.:	Q3095
Lab Sample ID:	Q3095-16DL	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047639.D	20	09/18/25 14:40	VX091825

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\VX091825\
Data File : VX047639.D
Acq On : 18 Sep 2025 14:40
Operator : JC/MD
Sample : Q3095-16DL 20X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW305D-20250909DL

Quant Time: Sep 19 01:31:48 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

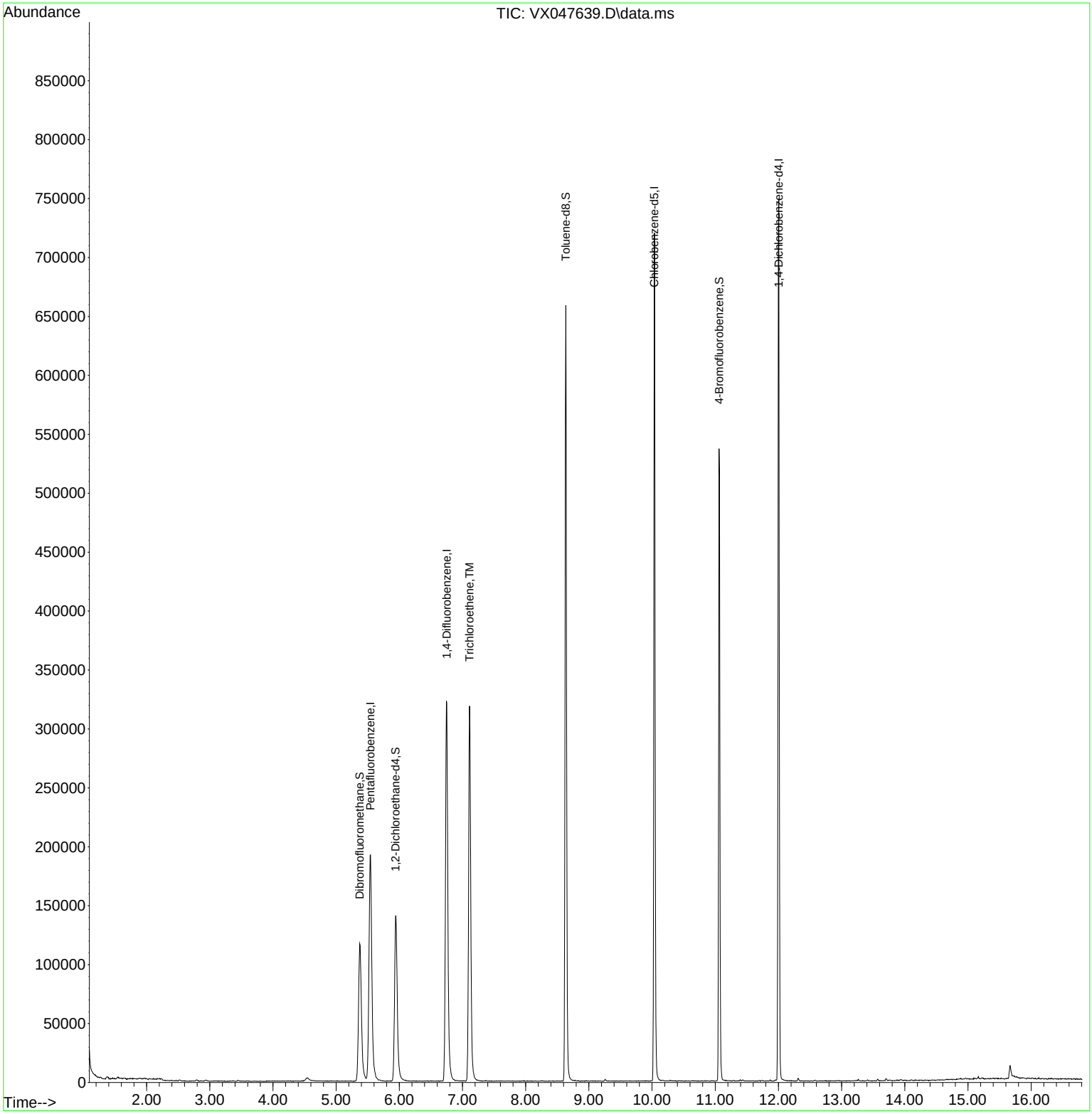
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	191597	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	355157	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	319660	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	157275	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	154801	50.759	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 101.520%			
35) Dibromofluoromethane	5.373	113	114511	48.076	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 96.160%			
50) Toluene-d8	8.635	98	399649	48.491	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 96.980%			
62) 4-Bromofluorobenzene	11.061	95	153404	49.044	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 98.080%			
Target Compounds						Qvalue
44) Trichloroethene	7.111	130	133795	52.351	ug/l	98

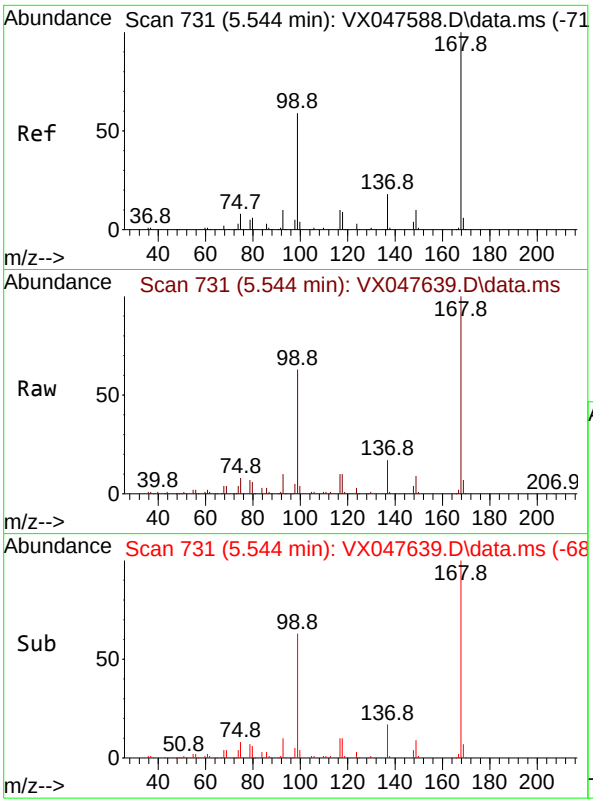
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091825\
Data File : VX047639.D
Acq On : 18 Sep 2025 14:40
Operator : JC/MD
Sample : Q3095-16DL 20X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW305D-20250909DL

Quant Time: Sep 19 01:31:48 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



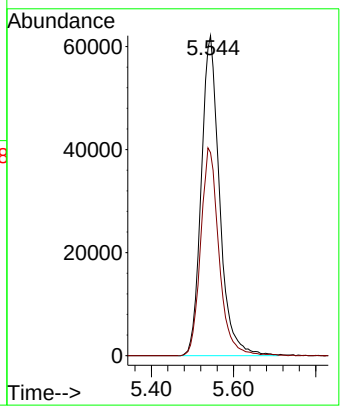


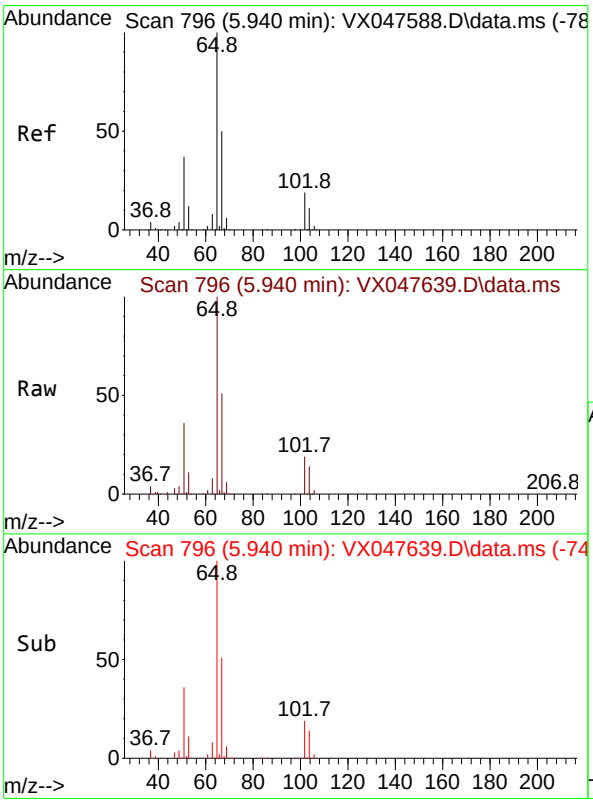
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047639.D
Acq: 18 Sep 2025 14:40

Instrument :
MSVOA_X
ClientSampleId :
MW305D-20250909DL

Tgt Ion:168 Resp: 191597

Ion	Ratio	Lower	Upper
168	100		
99	63.5	48.8	73.2

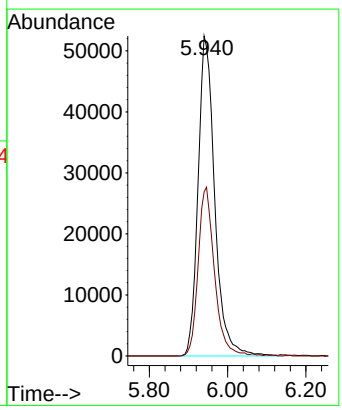


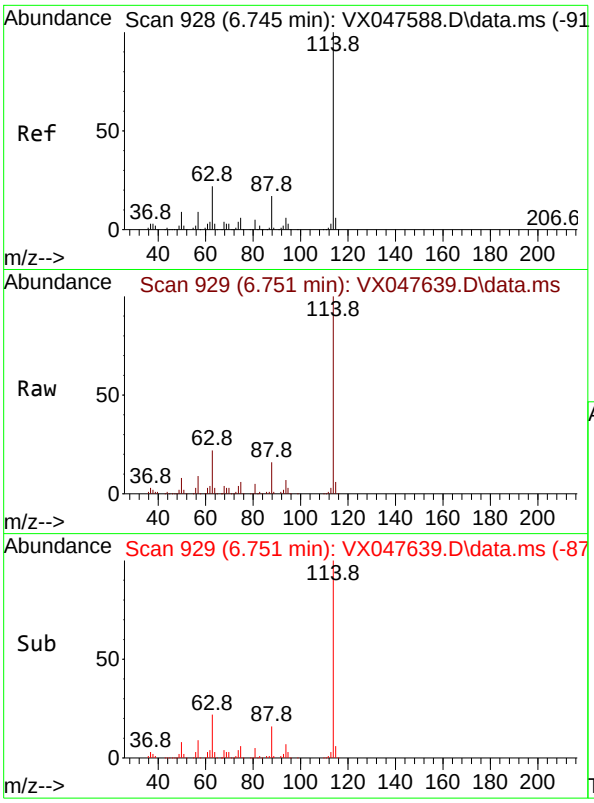


#33
1,2-Dichloroethane-d4
Concen: 50.759 ug/l
RT: 5.940 min Scan# 796
Delta R.T. -0.000 min
Lab File: VX047639.D
Acq: 18 Sep 2025 14:40

Tgt Ion: 65 Resp: 154801

Ion	Ratio	Lower	Upper
65	100		
67	51.6	0.0	103.0



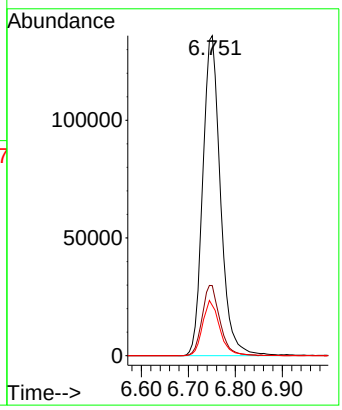


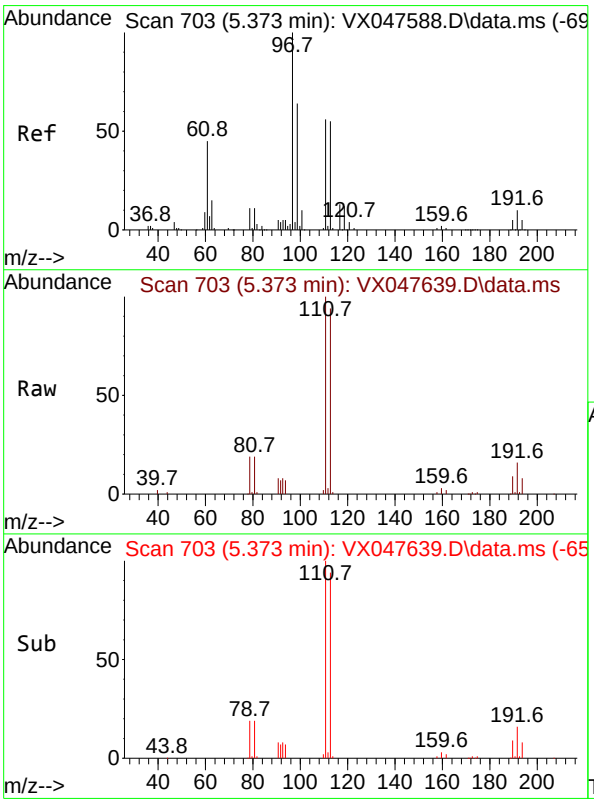
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 9
Delta R.T. 0.006 min
Lab File: VX047639.D
Acq: 18 Sep 2025 14:40

Instrument :
MSVOA_X
ClientSampleId :
MW305D-20250909DL

Tgt Ion:114 Resp: 355157

Ion	Ratio	Lower	Upper
114	100		
63	21.9	0.0	44.0
88	15.7	0.0	34.2

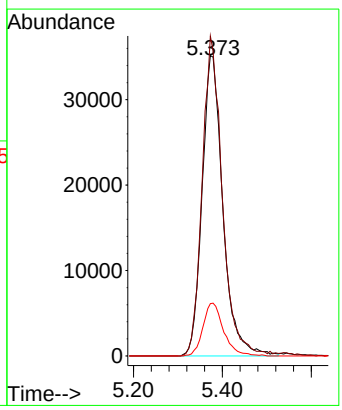


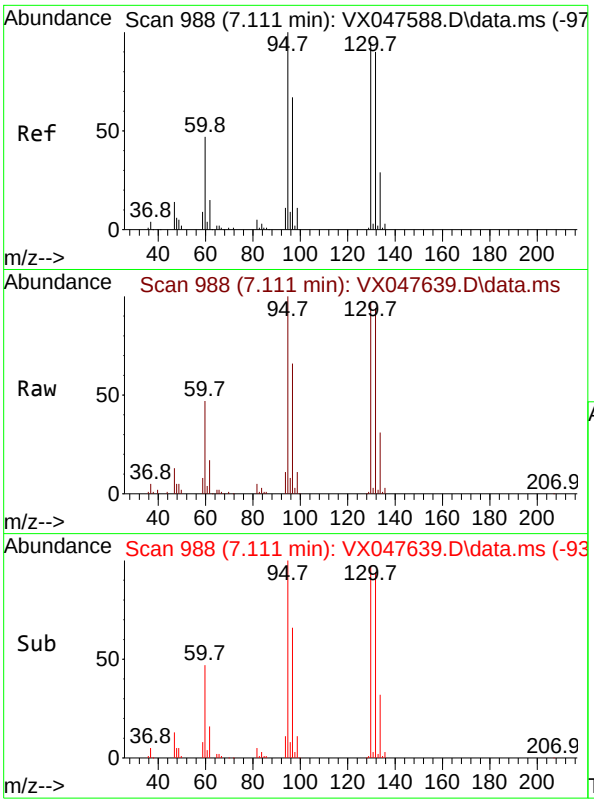


#35
Dibromofluoromethane
Concen: 48.076 ug/l
RT: 5.373 min Scan# 703
Delta R.T. 0.000 min
Lab File: VX047639.D
Acq: 18 Sep 2025 14:40

Tgt Ion:113 Resp: 114511

Ion	Ratio	Lower	Upper
113	100		
111	102.7	80.9	121.3
192	17.5	14.2	21.4



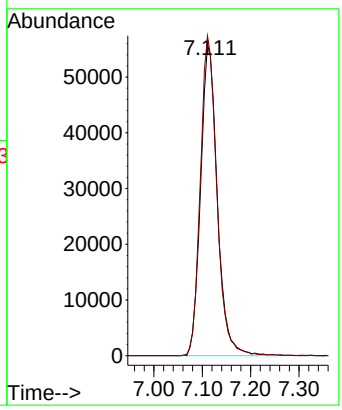


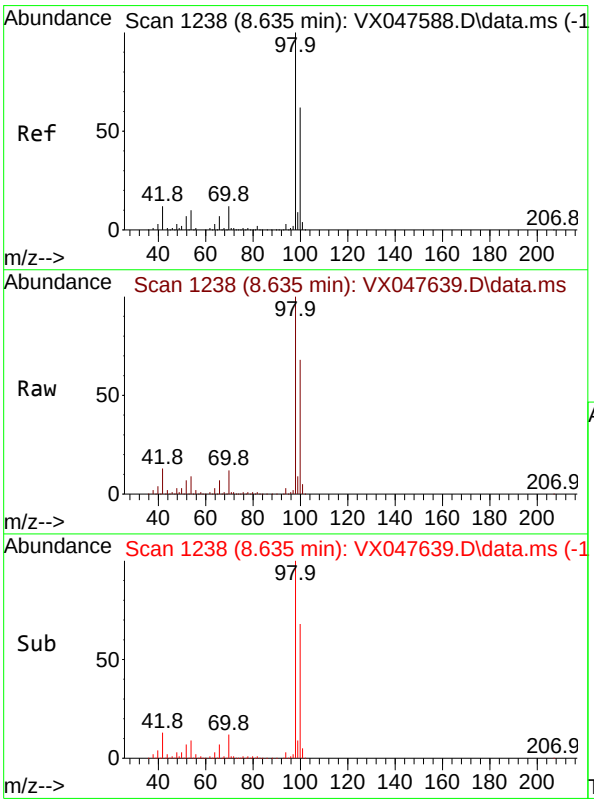
#44
Trichloroethene
Concen: 52.351 ug/l
RT: 7.111 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX047639.D
Acq: 18 Sep 2025 14:40

Instrument :
MSVOA_X
ClientSampleId :
MW305D-20250909DL

Tgt Ion:130 Resp: 133795

Ion	Ratio	Lower	Upper
130	100		
95	102.9	0.0	210.8

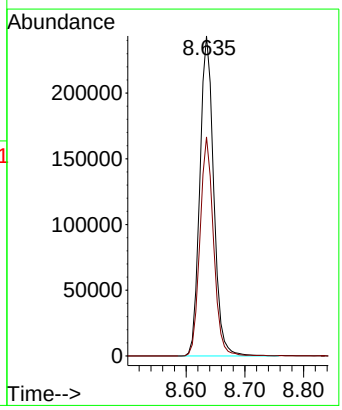


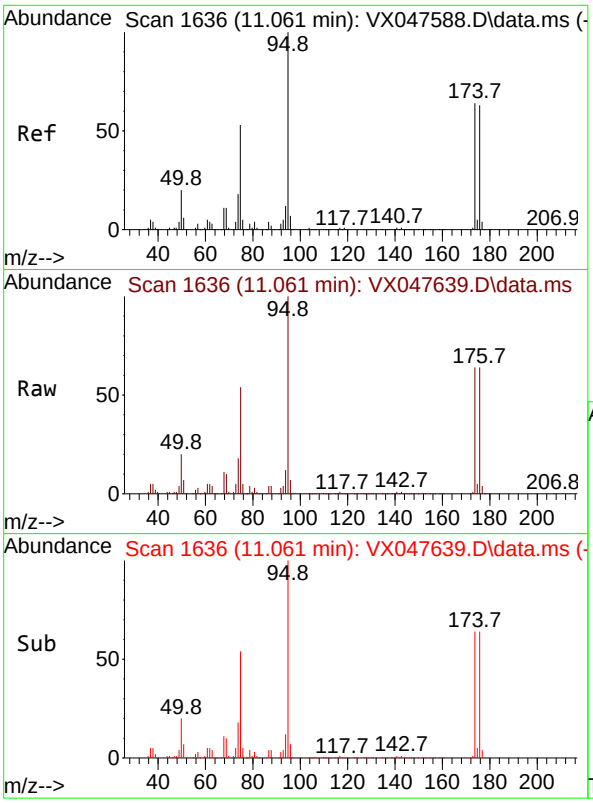


#50
Toluene-d8
Concen: 48.491 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX047639.D
Acq: 18 Sep 2025 14:40

Tgt Ion: 98 Resp: 399649

Ion	Ratio	Lower	Upper
98	100		
100	67.0	53.0	79.4



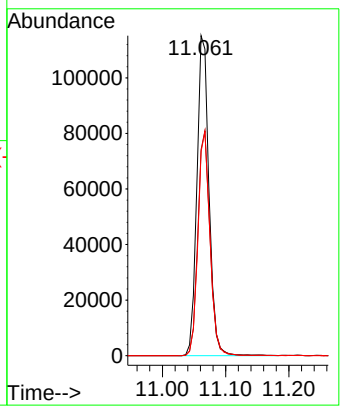


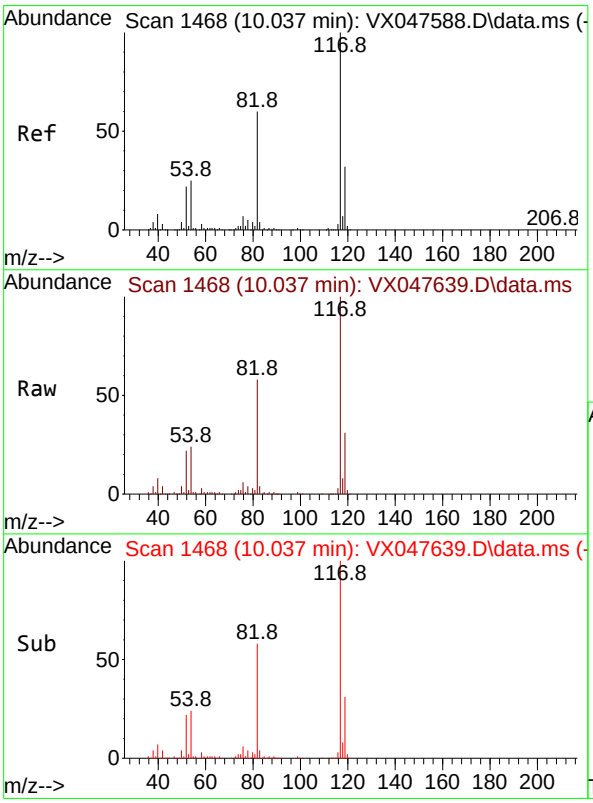
#62
4-Bromofluorobenzene
Concen: 49.044 ug/l
RT: 11.061 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047639.D
Acq: 18 Sep 2025 14:40

Instrument :
MSVOA_X
ClientSampleId :
MW305D-20250909DL

Tgt Ion: 95 Resp: 153404

Ion	Ratio	Lower	Upper
95	100		
174	70.1	0.0	141.6
176	69.1	0.0	138.4

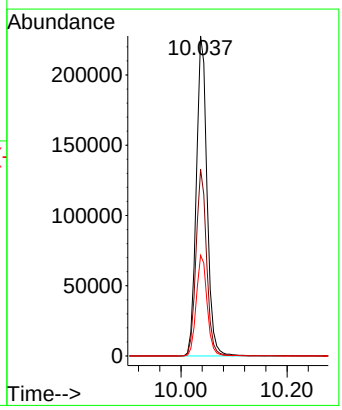


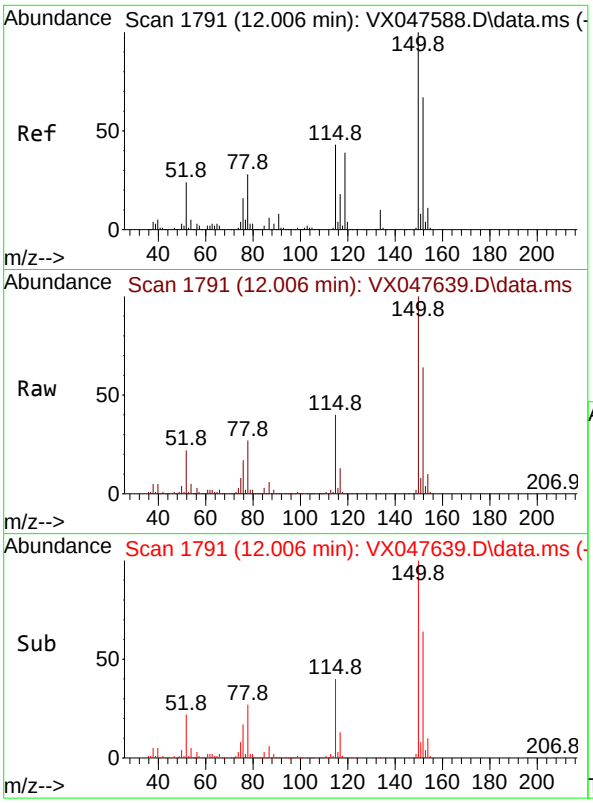


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX047639.D
Acq: 18 Sep 2025 14:40

Tgt Ion:117 Resp: 319660

Ion	Ratio	Lower	Upper
117	100		
82	58.3	47.8	71.6
119	31.4	25.2	37.8



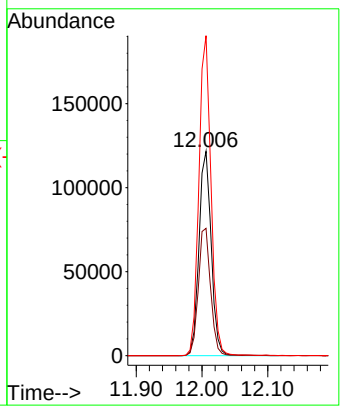


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047639.D
Acq: 18 Sep 2025 14:40

Instrument :
MSVOA_X
ClientSampleId :
MW305D-20250909DL

Tgt Ion:152 Resp: 157275

Ion	Ratio	Lower	Upper
152	100		
115	62.7	44.9	134.5
150	154.8	0.0	352.0



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:	09/09/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/12/25
Client Sample ID:	DUP01-20250909	SDG No.:	Q3095
Lab Sample ID:	Q3095-17	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047620.D	1	09/17/25 15:51	VX091725

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	0.49	J	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.73	J	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	0.66	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	0.31	J	0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.49	J	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	1.20		0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.22	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.16	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	1000	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:	09/09/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/12/25
Client Sample ID:	DUP01-20250909	SDG No.:	Q3095
Lab Sample ID:	Q3095-17	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047620.D	1	09/17/25 15:51	VX091725

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	51.8		81 - 118		104%	SPK: 50
1868-53-7	Dibromofluoromethane	47.4		80 - 119		95%	SPK: 50
2037-26-5	Toluene-d8	45.3		89 - 112		91%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.4		85 - 114		95%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	177000	5.544				
540-36-3	1,4-Difluorobenzene	329000	6.745				
3114-55-4	Chlorobenzene-d5	286000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	138000	12.006				

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:	09/09/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/12/25
Client Sample ID:	DUP01-20250909	SDG No.:	Q3095
Lab Sample ID:	Q3095-17	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047620.D	1	09/17/25 15:51	VX091725

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\VX091725\
Data File : VX047620.D
Acq On : 17 Sep 2025 15:51
Operator : JC/MD
Sample : Q3095-17
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
DUP01-20250909

Quant Time: Sep 18 02:06:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

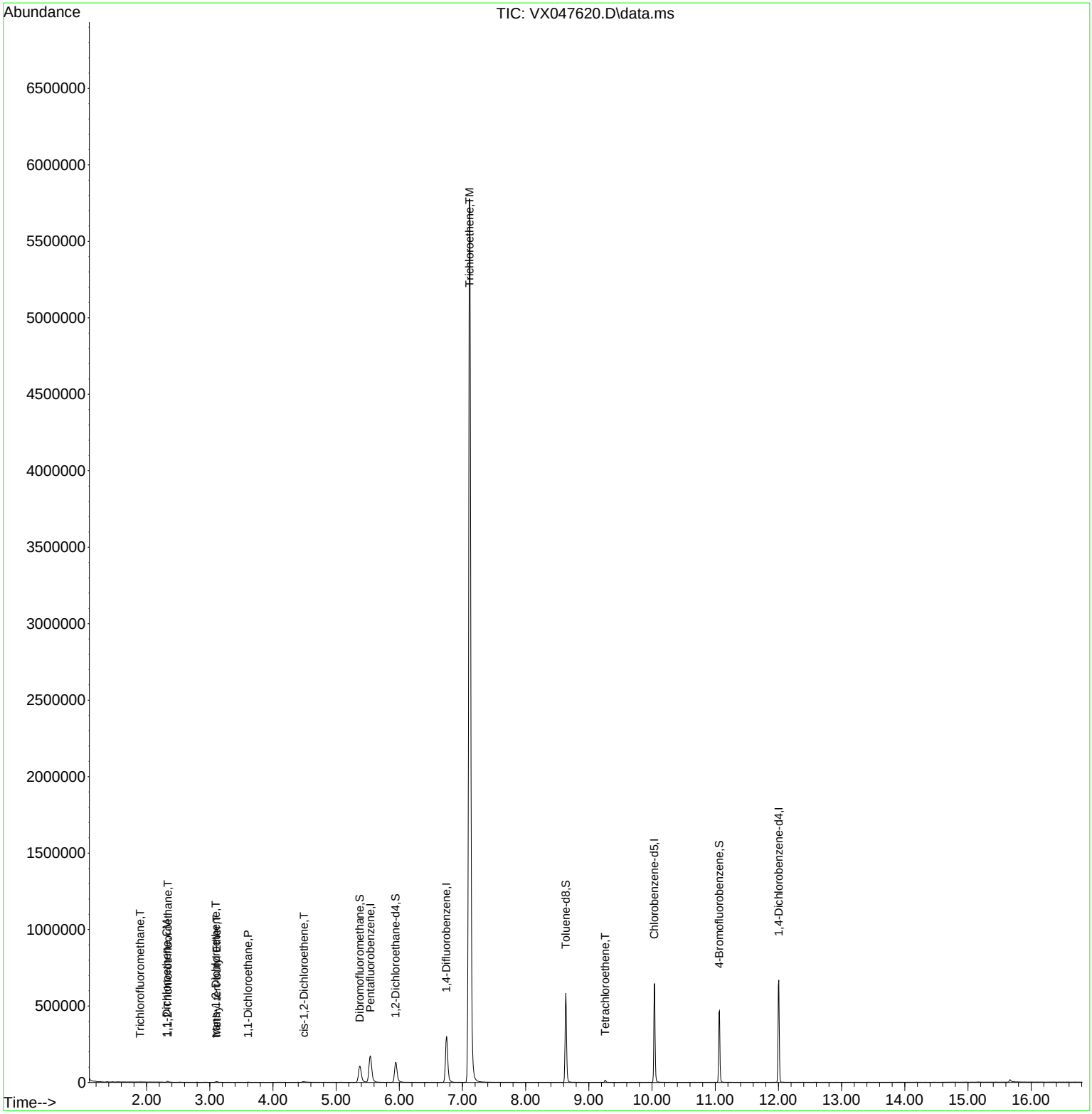
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.544	168	176523	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	6.745	114	328808	50.000	ug/l		0.00
63) Chlorobenzene-d5	10.037	117	285767	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	137877	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	5.940	65	145563	51.805	ug/l		0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 103.620%				
35) Dibromofluoromethane	5.373	113	104600	47.434	ug/l		0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 94.860%				
50) Toluene-d8	8.635	98	345661	45.301	ug/l		0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 90.600%#				
62) 4-Bromofluorobenzene	11.061	95	137201	47.379	ug/l		0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 94.760%				
Target Compounds							Qvalue
7) Trichlorofluoromethane	1.898	101	951	0.272	ug/l		94
9) 1,1,2-Trichlorotrifluo...	2.337	101	1002	0.491	ug/l		89
12) 1,1-Dichloroethene	2.319	96	1539	0.734	ug/l		93
19) Methyl tert-butyl Ether	3.111	73	5026	0.656	ug/l	#	86
21) trans-1,2-Dichloroethene	3.093	96	697	0.309	ug/l	#	75
24) 1,1-Dichloroethane	3.605	63	2173	0.487	ug/l	#	93
27) cis-1,2-Dichloroethene	4.489	96	3249	1.175	ug/l		97
44) Trichloroethene	7.111	130	2423960	1024.453	ug/l		96
64) Tetrachloroethene	9.257	164	3009	1.615	ug/l		91

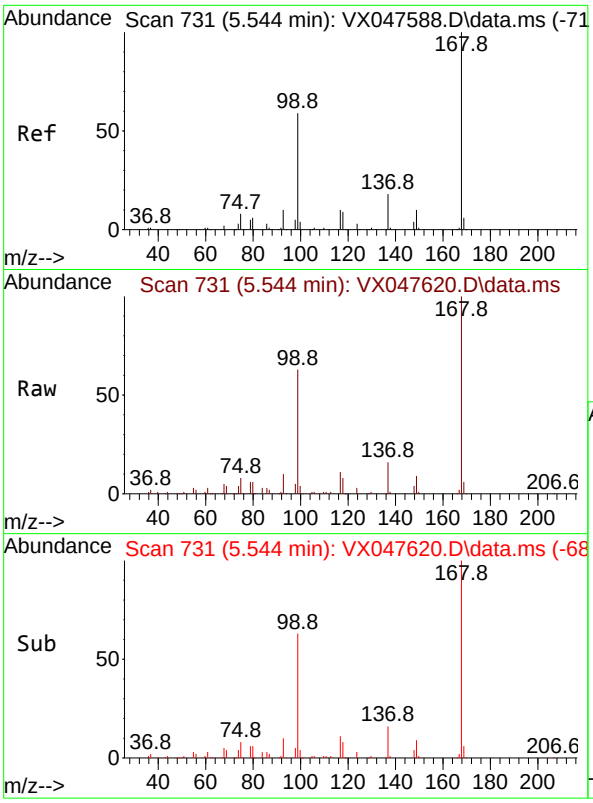
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091725\
Data File : VX047620.D
Acq On : 17 Sep 2025 15:51
Operator : JC/MD
Sample : Q3095-17
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
DUP01-20250909

Quant Time: Sep 18 02:06:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



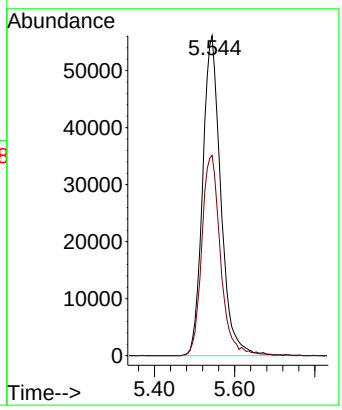


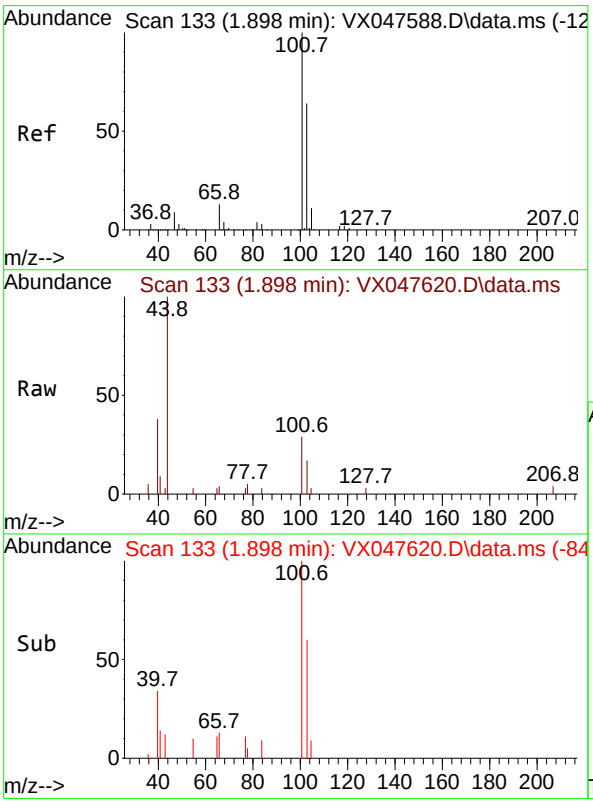
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047620.D
Acq: 17 Sep 2025 15:51

Instrument :
MSVOA_X
ClientSampleId :
DUP01-20250909

Tgt Ion:168 Resp: 176523

Ion	Ratio	Lower	Upper
168	100		
99	62.6	48.8	73.2

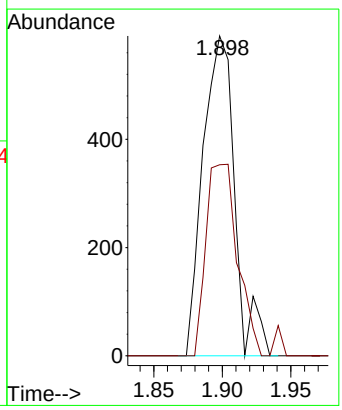


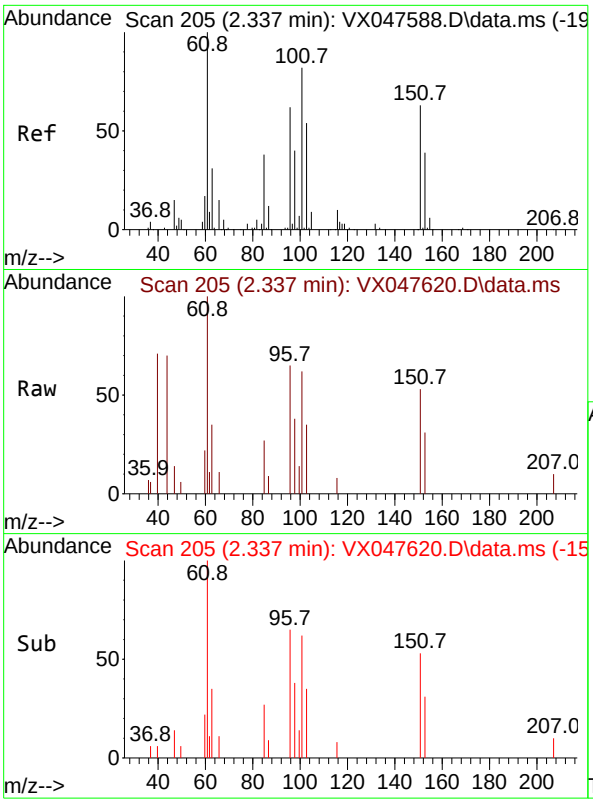


#7
Trichlorofluoromethane
Concen: 0.272 ug/l
RT: 1.898 min Scan# 133
Delta R.T. -0.000 min
Lab File: VX047620.D
Acq: 17 Sep 2025 15:51

Tgt Ion:101 Resp: 951

Ion	Ratio	Lower	Upper
101	100		
103	59.7	51.4	77.2



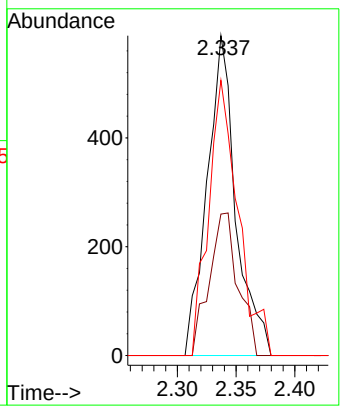


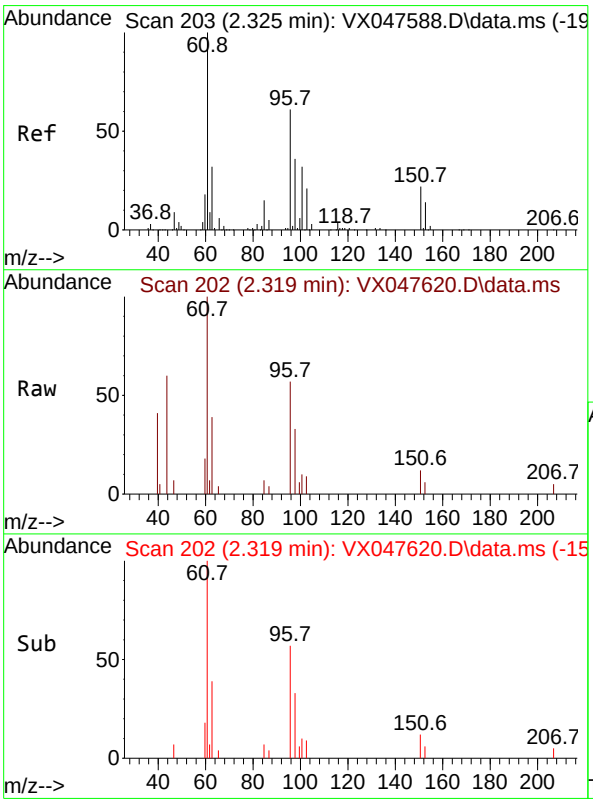
#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.491 ug/l
RT: 2.337 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047620.D
Acq: 17 Sep 2025 15:51

Instrument :
MSVOA_X
ClientSampleId :
DUP01-20250909

Tgt Ion:101 Resp: 1002

Ion	Ratio	Lower	Upper
101	100		
85	44.8	35.5	53.3
151	88.5	59.4	89.0

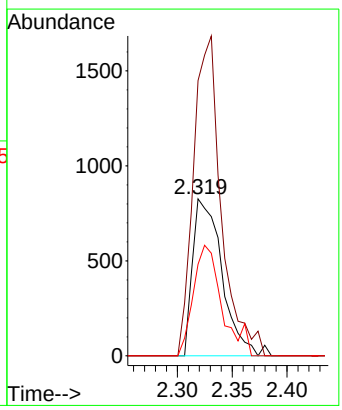


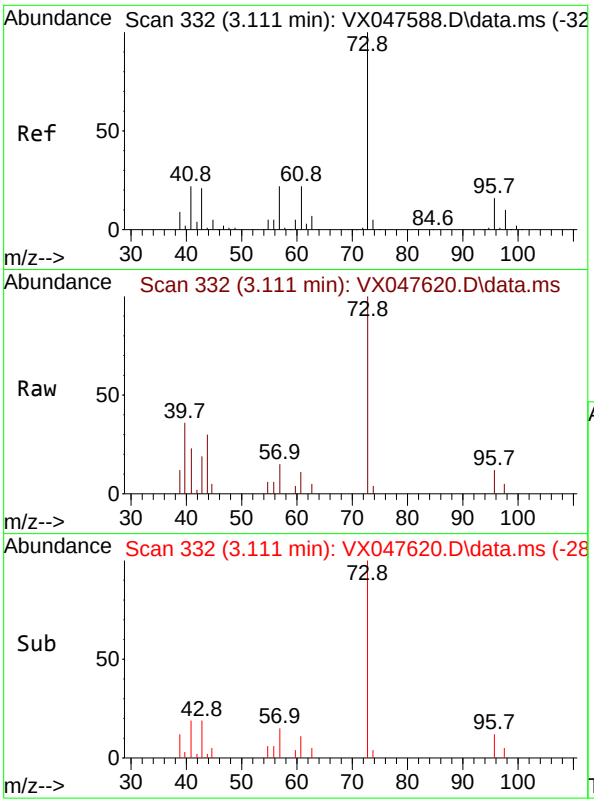


#12
1,1-Dichloroethene
Concen: 0.734 ug/l
RT: 2.319 min Scan# 202
Delta R.T. -0.006 min
Lab File: VX047620.D
Acq: 17 Sep 2025 15:51

Tgt Ion: 96 Resp: 1539

Ion	Ratio	Lower	Upper
96	100		
61	175.2	131.0	196.6
98	58.3	47.7	71.5



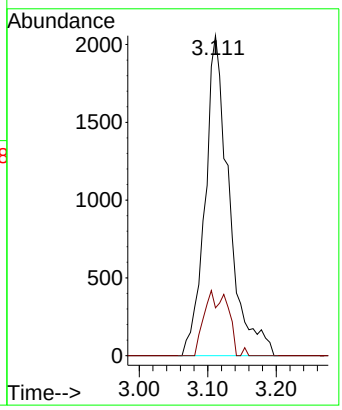


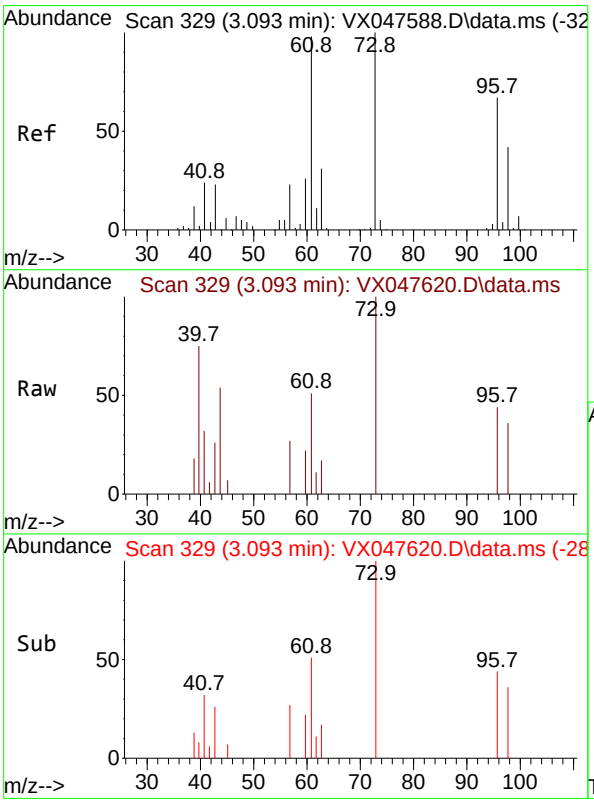
#19
Methyl tert-butyl Ether
Concen: 0.656 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047620.D
Acq: 17 Sep 2025 15:51

Instrument :
MSVOA_X
ClientSampleId :
DUP01-20250909

Tgt Ion: 73 Resp: 5026

Ion	Ratio	Lower	Upper
73	100		
57	14.9	17.4	26.2#

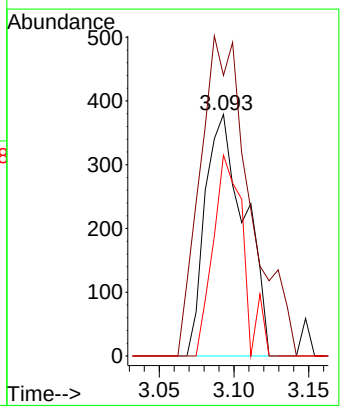


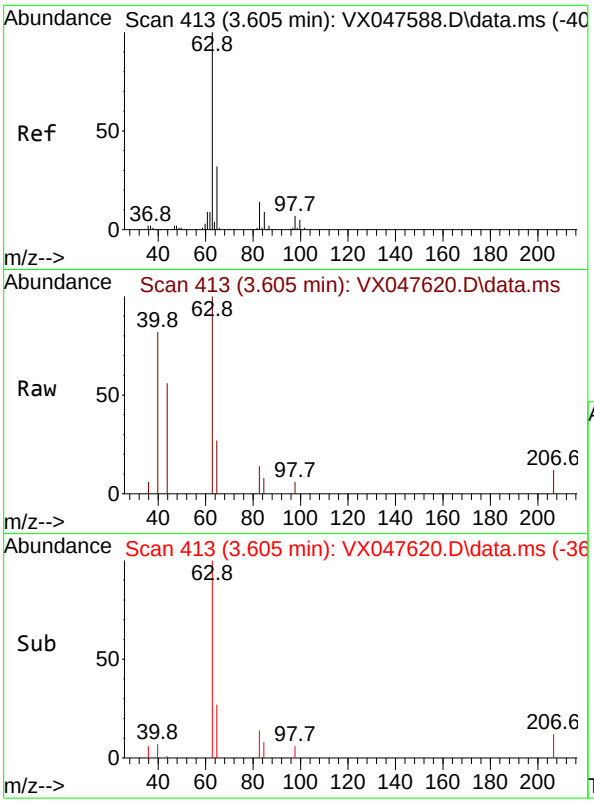


#21
trans-1,2-Dichloroethene
Concen: 0.309 ug/l
RT: 3.093 min Scan# 329
Delta R.T. -0.000 min
Lab File: VX047620.D
Acq: 17 Sep 2025 15:51

Tgt Ion: 96 Resp: 697

Ion	Ratio	Lower	Upper
96	100		
61	116.1	116.2	174.2#
98	83.1	49.3	73.9#



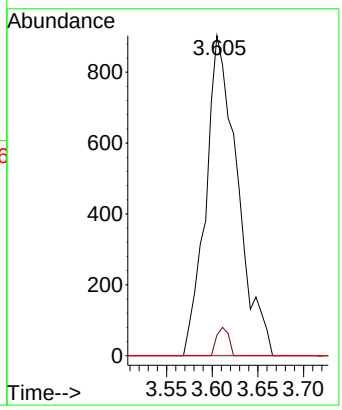


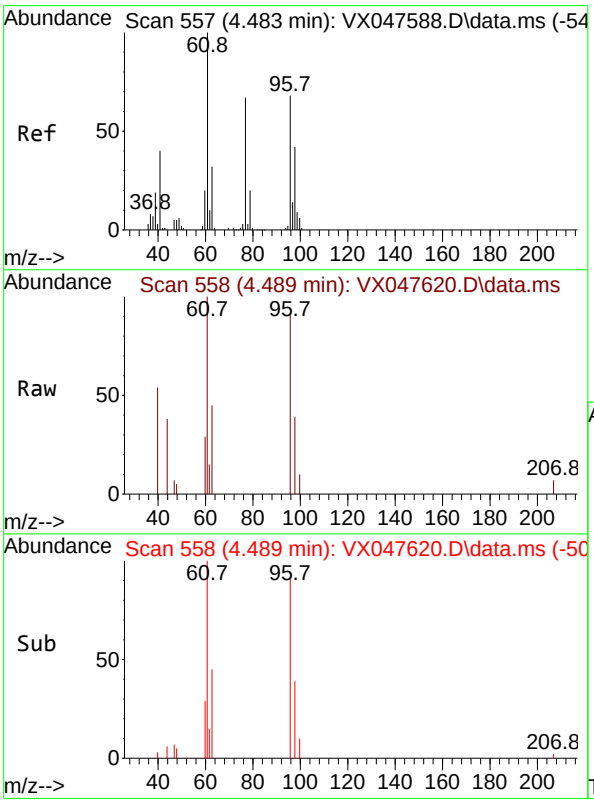
#24
1,1-Dichloroethane
Concen: 0.487 ug/l
RT: 3.605 min Scan# 41
Delta R.T. -0.000 min
Lab File: VX047620.D
Acq: 17 Sep 2025 15:51

Instrument :
MSVOA_X
ClientSampleId :
DUP01-20250909

Tgt Ion: 63 Resp: 2173

Ion	Ratio	Lower	Upper
63	100		
98	6.4	3.8	11.2
100	0.0	2.3	6.9#

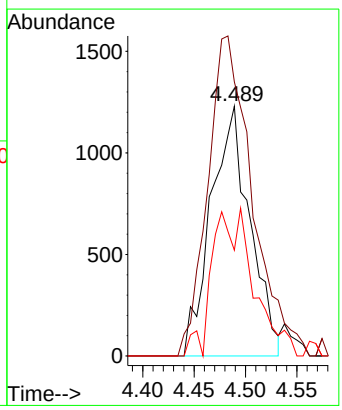


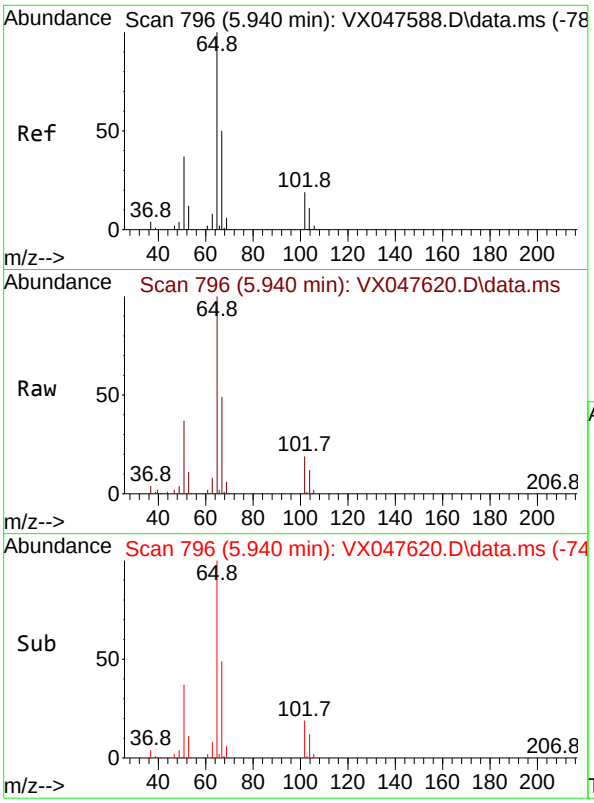


#27
cis-1,2-Dichloroethene
Concen: 1.175 ug/l
RT: 4.489 min Scan# 558
Delta R.T. 0.006 min
Lab File: VX047620.D
Acq: 17 Sep 2025 15:51

Tgt Ion: 96 Resp: 3249

Ion	Ratio	Lower	Upper
96	100		
61	146.4	0.0	303.2
98	62.6	0.0	127.8



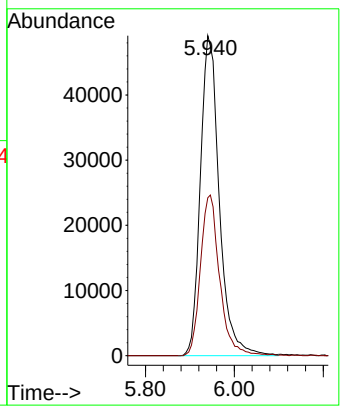


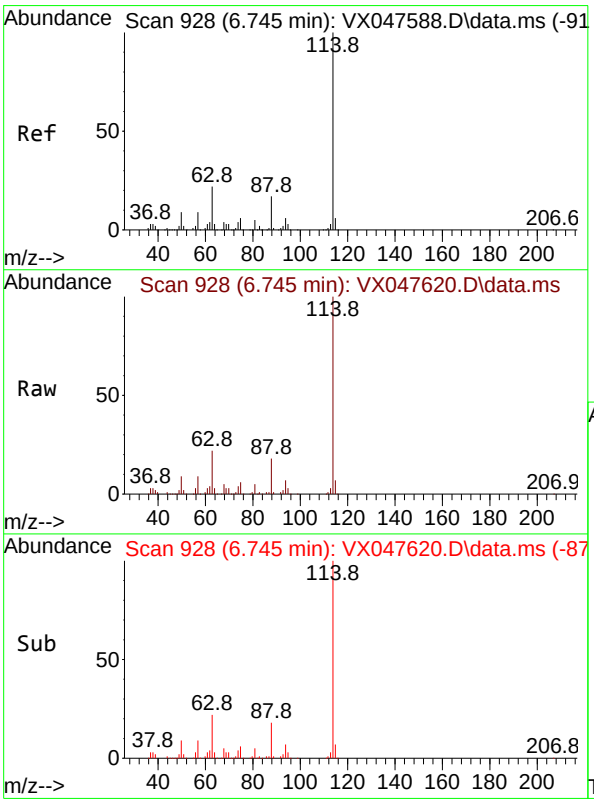
#33
1,2-Dichloroethane-d4
Concen: 51.805 ug/l
RT: 5.940 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047620.D
Acq: 17 Sep 2025 15:51

Instrument :
MSVOA_X
ClientSampleId :
DUP01-20250909

Tgt Ion: 65 Resp: 145563

Ion	Ratio	Lower	Upper
65	100		
67	50.8	0.0	103.0

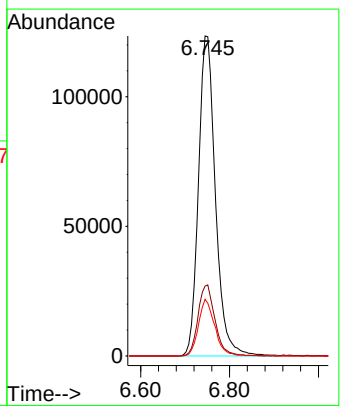


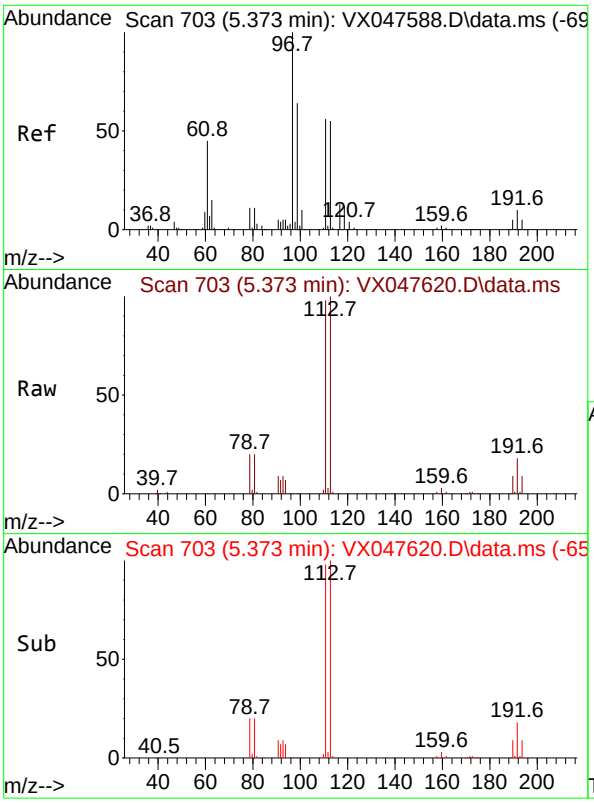


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 928
Delta R.T. -0.000 min
Lab File: VX047620.D
Acq: 17 Sep 2025 15:51

Tgt Ion:114 Resp: 328808

Ion	Ratio	Lower	Upper
114	100		
63	21.8	0.0	44.0
88	17.7	0.0	34.2



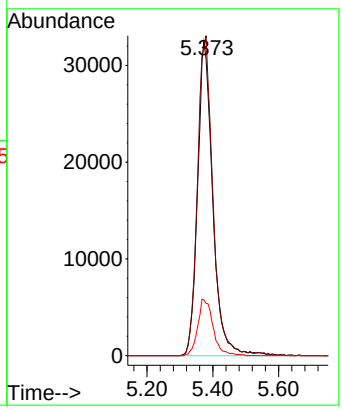


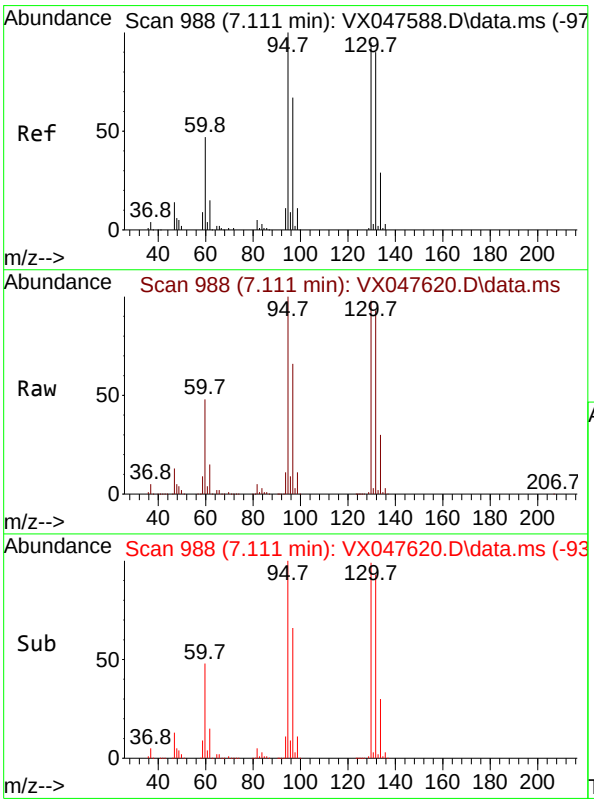
#35
Dibromofluoromethane
Concen: 47.434 ug/l
RT: 5.373 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX047620.D
Acq: 17 Sep 2025 15:51

Instrument :
MSVOA_X
ClientSampleId :
DUP01-20250909

Tgt Ion:113 Resp: 104600

Ion	Ratio	Lower	Upper
113	100		
111	102.7	80.9	121.3
192	18.2	14.2	21.4

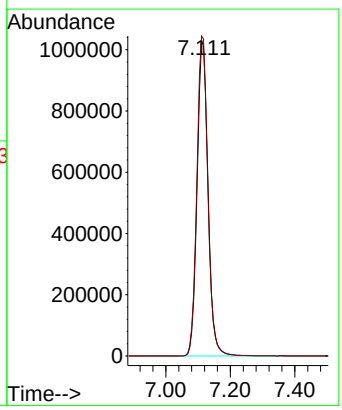


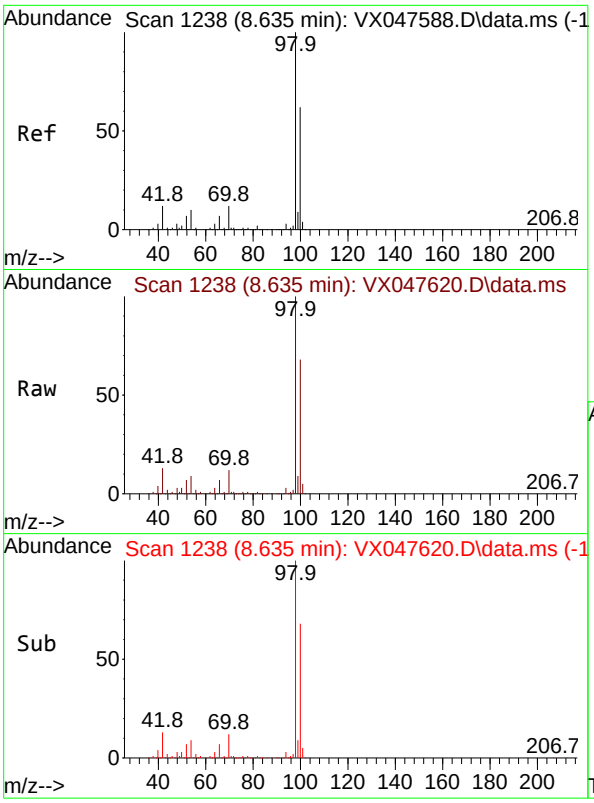


#44
Trichloroethene
Concen: 1024.453 ug/l
RT: 7.111 min Scan# 988
Delta R.T. -0.000 min
Lab File: VX047620.D
Acq: 17 Sep 2025 15:51

Tgt Ion:130 Resp: 2423960

Ion	Ratio	Lower	Upper
130	100		
95	101.5	0.0	210.8



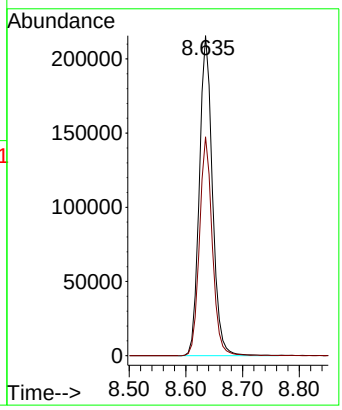


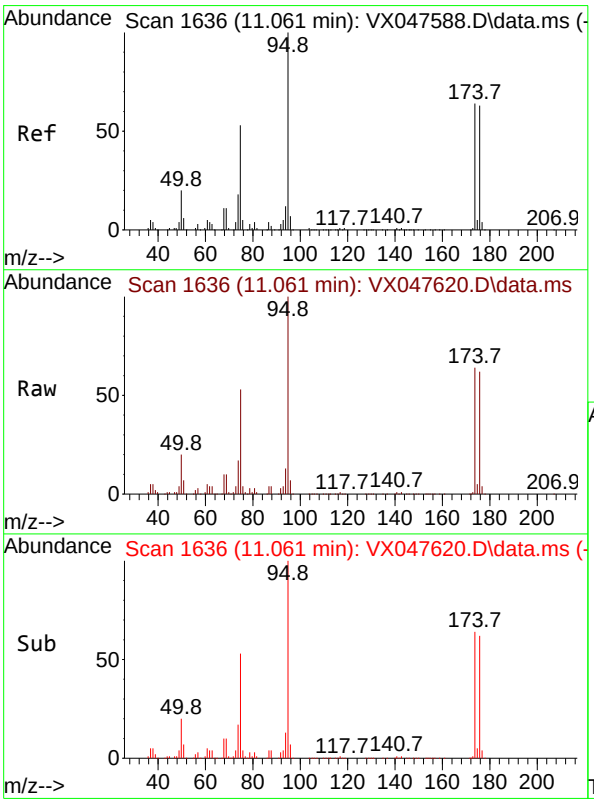
#50
Toluene-d8
Concen: 45.301 ug/l
RT: 8.635 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047620.D
Acq: 17 Sep 2025 15:51

Instrument :
MSVOA_X
ClientSampleId :
DUP01-20250909

Tgt Ion: 98 Resp: 345661

Ion	Ratio	Lower	Upper
98	100		
100	66.8	53.0	79.4

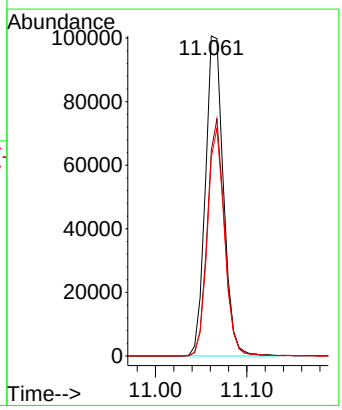


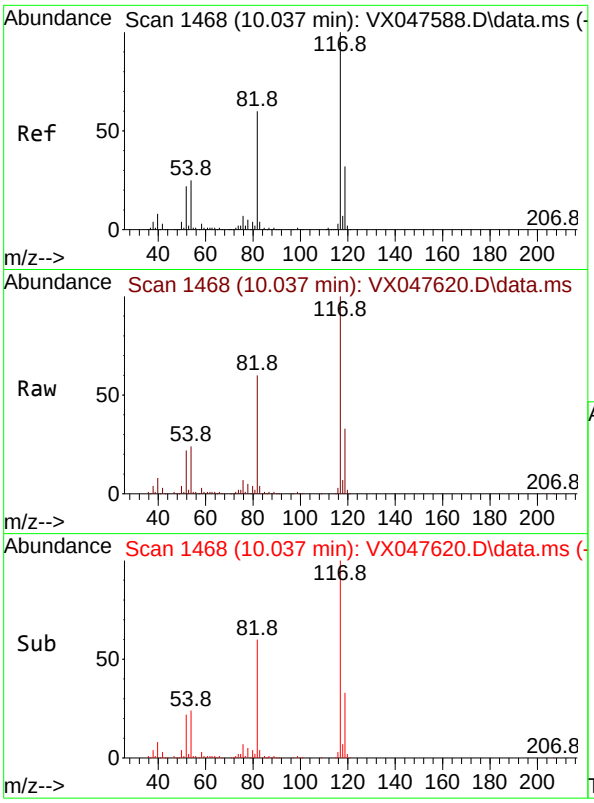


#62
4-Bromofluorobenzene
Concen: 47.379 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX047620.D
Acq: 17 Sep 2025 15:51

Tgt Ion: 95 Resp: 137201

Ion	Ratio	Lower	Upper
95	100		
174	70.8	0.0	141.6
176	67.8	0.0	138.4



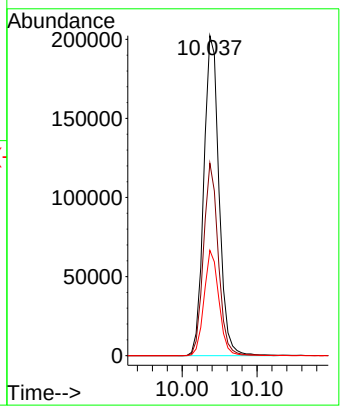


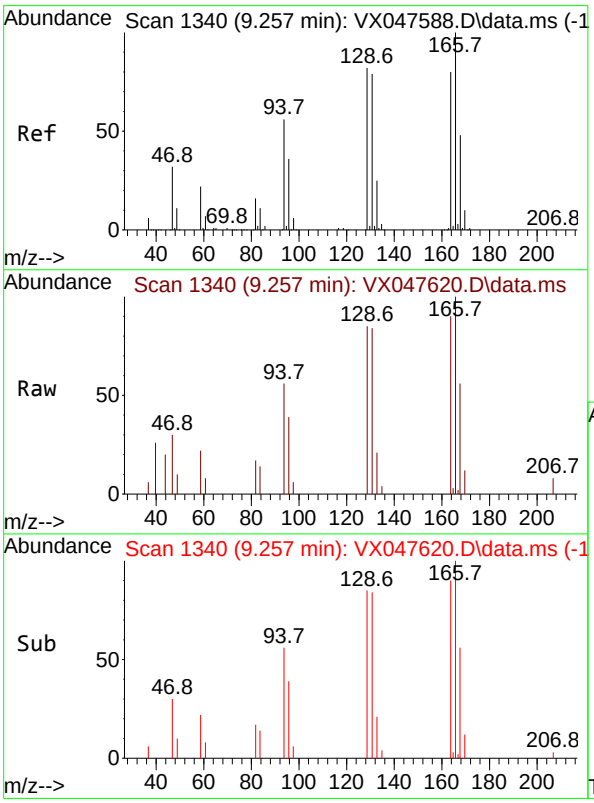
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047620.D
Acq: 17 Sep 2025 15:51

Instrument :
MSVOA_X
ClientSampleId :
DUP01-20250909

Tgt Ion:117 Resp: 285767

Ion	Ratio	Lower	Upper
117	100		
82	60.2	47.8	71.6
119	32.9	25.2	37.8

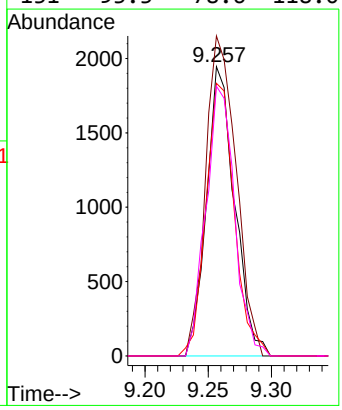


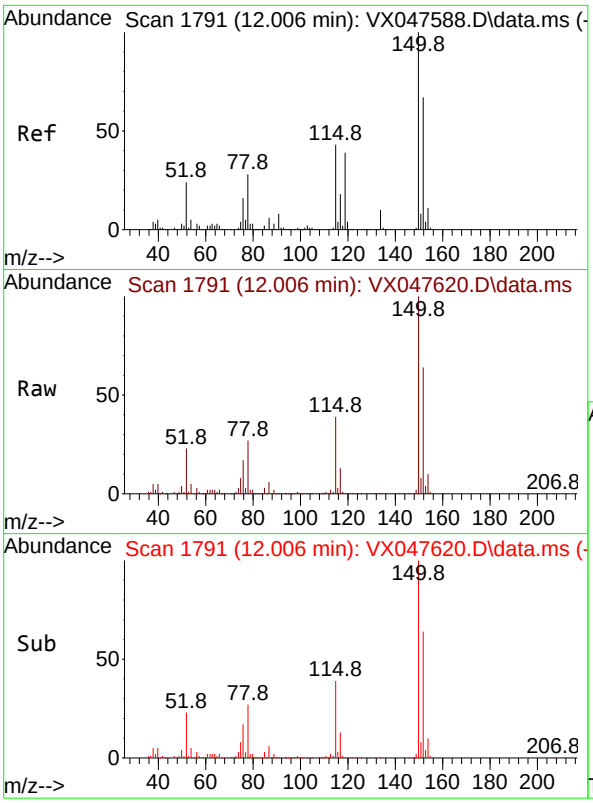


#64
Tetrachloroethene
Concen: 1.615 ug/l
RT: 9.257 min Scan# 1340
Delta R.T. -0.000 min
Lab File: VX047620.D
Acq: 17 Sep 2025 15:51

Tgt Ion:164 Resp: 3009

Ion	Ratio	Lower	Upper
164	100		
166	110.6	100.2	150.2
129	94.2	81.8	122.6
131	93.3	78.6	118.0



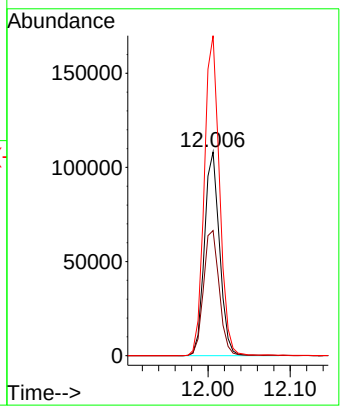


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047620.D
Acq: 17 Sep 2025 15:51

Instrument :
MSVOA_X
ClientSampleId :
DUP01-20250909

Tgt Ion:152 Resp: 137877

Ion	Ratio	Lower	Upper
152	100		
115	63.9	44.9	134.5
150	158.3	0.0	352.0



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:	09/09/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/12/25
Client Sample ID:	DUP01-20250909DL	SDG No.:	Q3095
Lab Sample ID:	Q3095-17DL	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047640.D	20	09/18/25 15:01	VX091825

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	UD	5.40	15.0	20.0	ug/L
75-09-2	Methylene Chloride	10.0	UD	5.60	10.0	20.0	ug/L
156-60-5	trans-1,2-Dichloroethene	10.0	UD	4.60	10.0	20.0	ug/L
75-34-3	1,1-Dichloroethane	10.0	UD	4.60	10.0	20.0	ug/L
110-82-7	Cyclohexane	50.0	UD	29.0	50.0	100	ug/L
78-93-3	2-Butanone	50.0	UD	19.6	50.0	100	ug/L
56-23-5	Carbon Tetrachloride	10.0	UD	5.00	10.0	20.0	ug/L
156-59-2	cis-1,2-Dichloroethene	15.0	UD	3.80	15.0	20.0	ug/L
74-97-5	Bromochloromethane	10.0	UDQ	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	1000	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:	09/09/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/12/25
Client Sample ID:	DUP01-20250909DL	SDG No.:	Q3095
Lab Sample ID:	Q3095-17DL	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047640.D	20	09/18/25 15:01	VX091825

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	58.9		81 - 118		118%	SPK: 50
1868-53-7	Dibromofluoromethane	55.1		80 - 119		110%	SPK: 50
2037-26-5	Toluene-d8	56.1		89 - 112		112%	SPK: 50
460-00-4	4-Bromofluorobenzene	57.5	*	85 - 114		115%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	180000	5.544				
540-36-3	1,4-Difluorobenzene	331000	6.751				
3114-55-4	Chlorobenzene-d5	301000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	146000	12.006				

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:	09/09/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/12/25
Client Sample ID:	DUP01-20250909DL	SDG No.:	Q3095
Lab Sample ID:	Q3095-17DL	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047640.D	20	09/18/25 15:01	VX091825

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\VX091825\
Data File : VX047640.D
Acq On : 18 Sep 2025 15:01
Operator : JC/MD
Sample : Q3095-17DL 20X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
DUP01-20250909DL

Quant Time: Sep 19 01:32:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

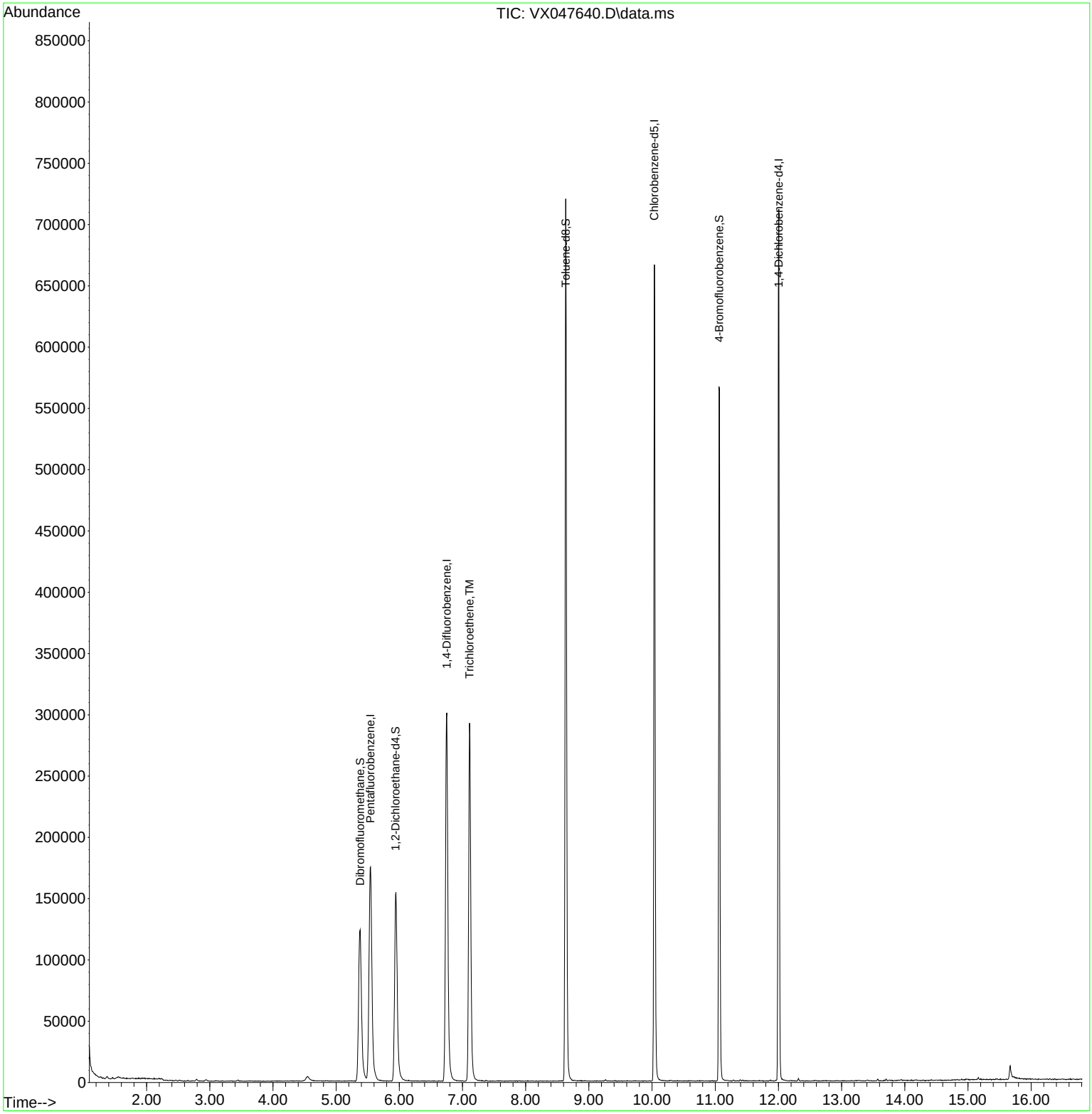
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	179953	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	331339	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	301020	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	145612	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	168764	58.918	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 117.840%#			
35) Dibromofluoromethane	5.379	113	122513	55.133	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 110.260%			
50) Toluene-d8	8.634	98	431532	56.123	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 112.240%#			
62) 4-Bromofluorobenzene	11.061	95	167812	57.507	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 115.020%			
Target Compounds						Qvalue
44) Trichloroethene	7.110	130	121455	50.939	ug/l	97

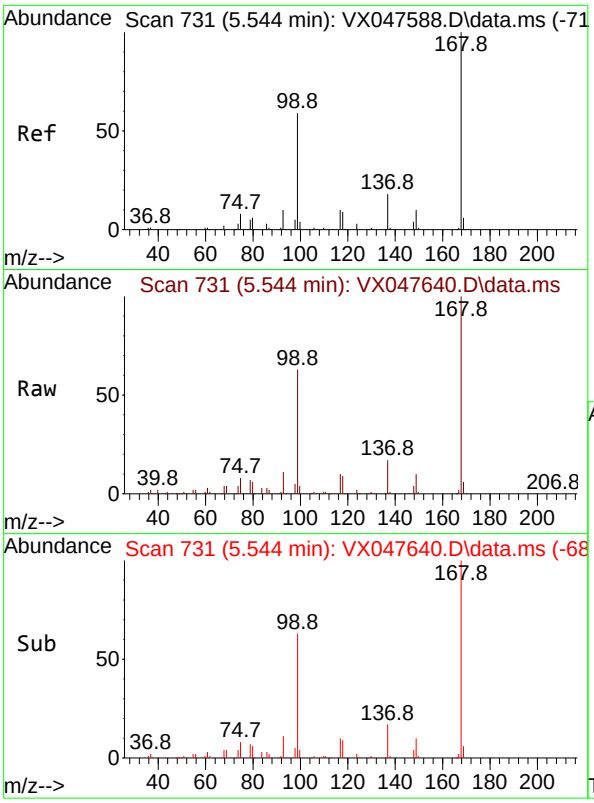
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091825\
Data File : VX047640.D
Acq On : 18 Sep 2025 15:01
Operator : JC/MD
Sample : Q3095-17DL 20X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
DUP01-20250909DL

Quant Time: Sep 19 01:32:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



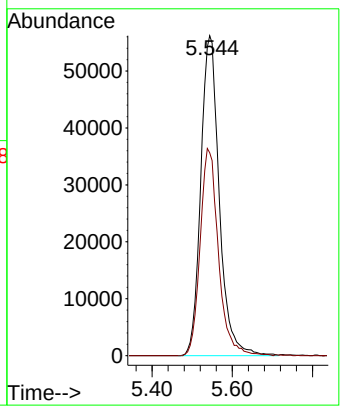


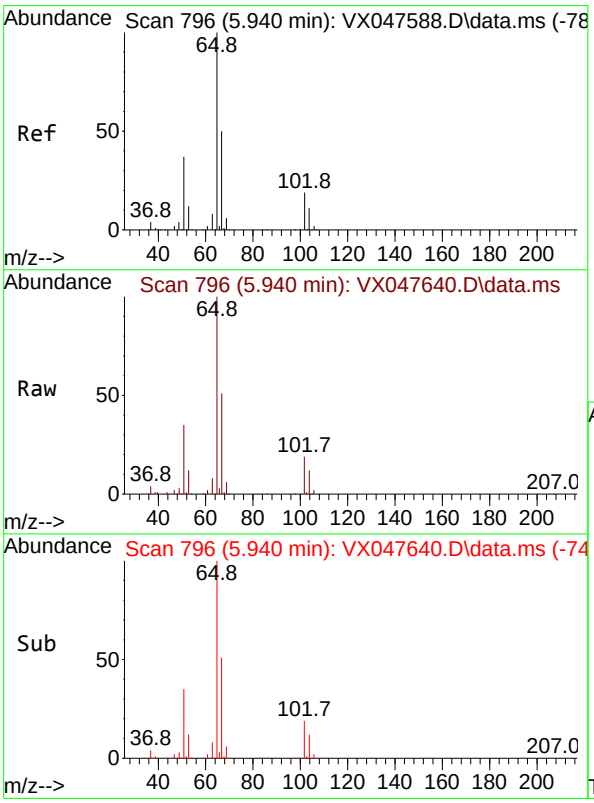
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047640.D
Acq: 18 Sep 2025 15:01

Instrument :
MSVOA_X
ClientSampleId :
DUP01-20250909DL

Tgt Ion:168 Resp: 179953

Ion	Ratio	Lower	Upper
168	100		
99	63.4	48.8	73.2

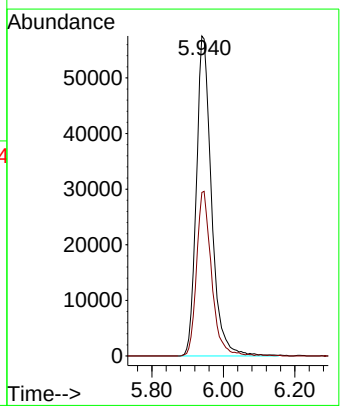


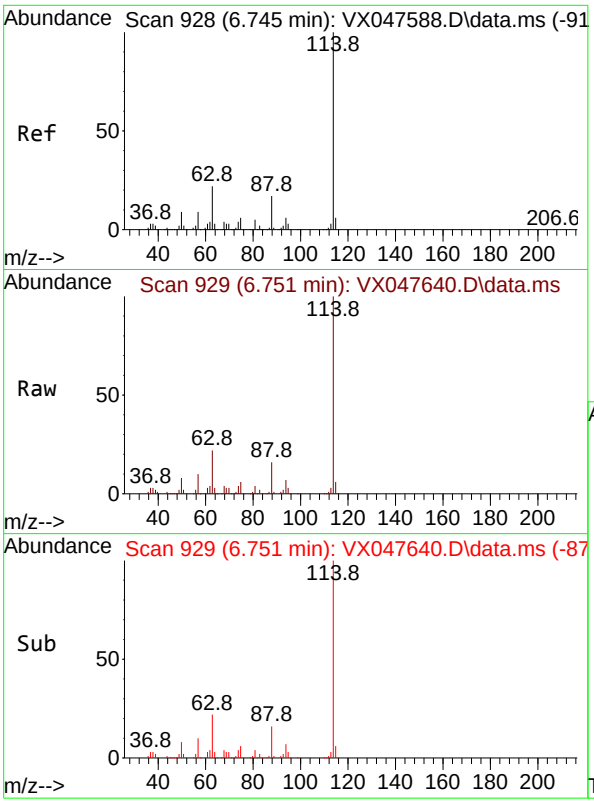


#33
1,2-Dichloroethane-d4
Concen: 58.918 ug/l
RT: 5.940 min Scan# 796
Delta R.T. -0.000 min
Lab File: VX047640.D
Acq: 18 Sep 2025 15:01

Tgt Ion: 65 Resp: 168764

Ion	Ratio	Lower	Upper
65	100		
67	50.6	0.0	103.0



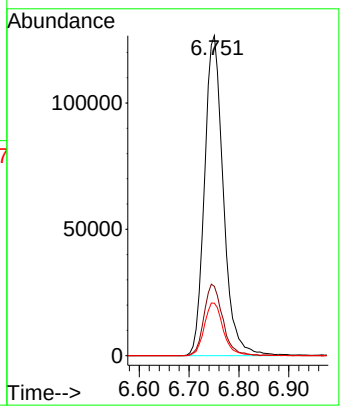


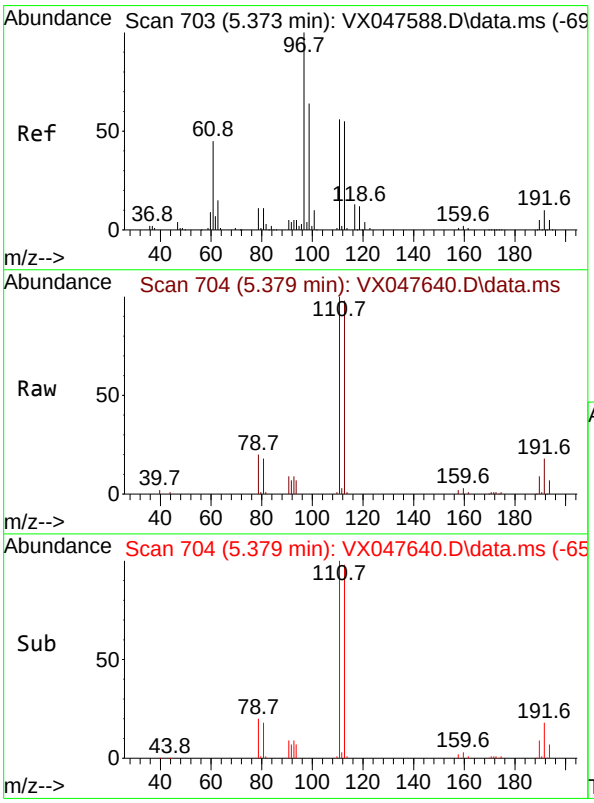
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 9
Delta R.T. 0.006 min
Lab File: VX047640.D
Acq: 18 Sep 2025 15:01

Instrument :
MSVOA_X
ClientSampleId :
DUP01-20250909DL

Tgt Ion:114 Resp: 331339

Ion	Ratio	Lower	Upper
114	100		
63	21.6	0.0	44.0
88	16.4	0.0	34.2

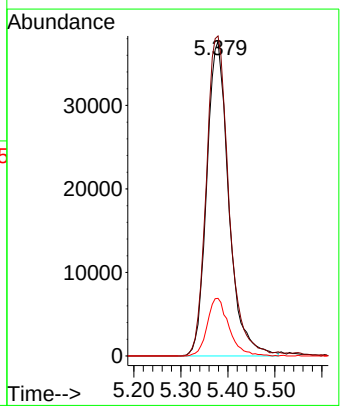


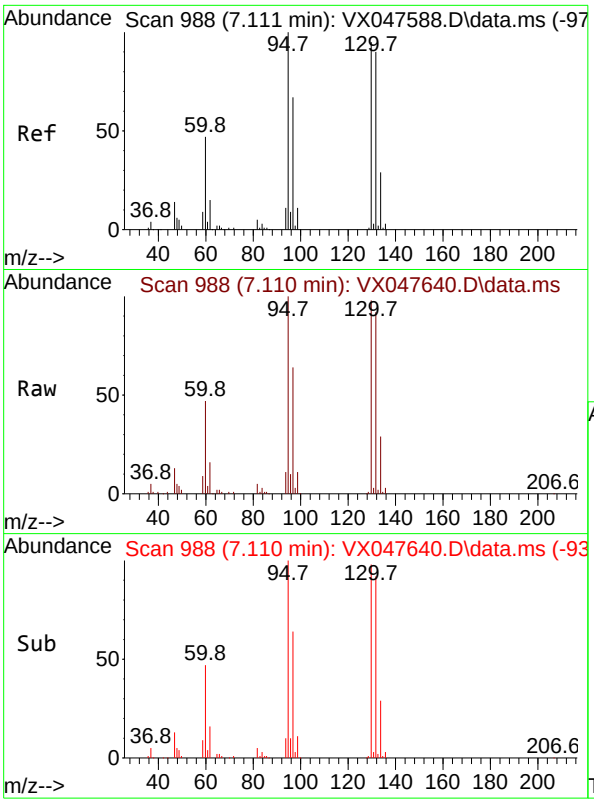


#35
Dibromofluoromethane
Concen: 55.133 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX047640.D
Acq: 18 Sep 2025 15:01

Tgt Ion:113 Resp: 122513

Ion	Ratio	Lower	Upper
113	100		
111	104.2	80.9	121.3
192	18.1	14.2	21.4



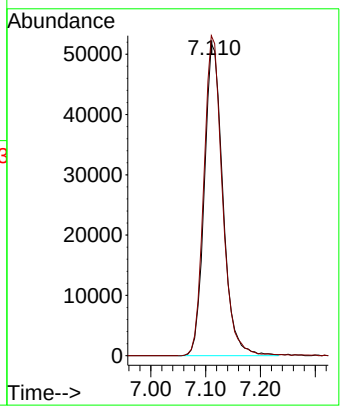


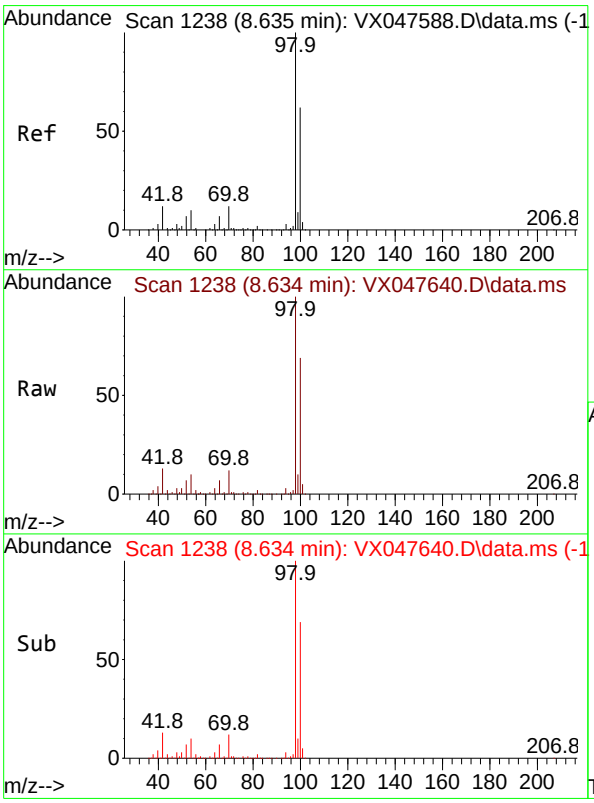
#44
Trichloroethene
Concen: 50.939 ug/l
RT: 7.110 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX047640.D
Acq: 18 Sep 2025 15:01

Instrument :
MSVOA_X
ClientSampleId :
DUP01-20250909DL

Tgt Ion:130 Resp: 121455

Ion	Ratio	Lower	Upper
130	100		
95	102.5	0.0	210.8

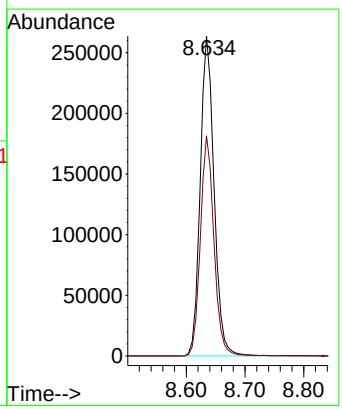


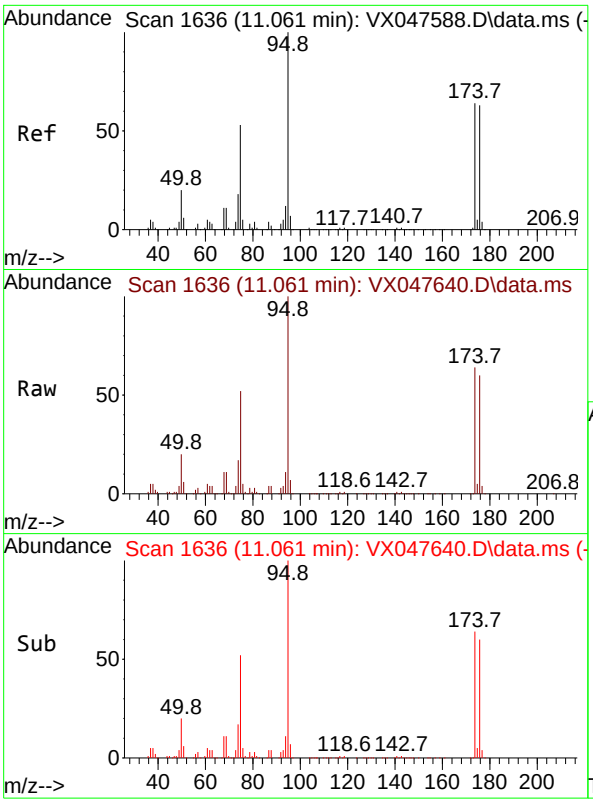


#50
Toluene-d8
Concen: 56.123 ug/l
RT: 8.634 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX047640.D
Acq: 18 Sep 2025 15:01

Tgt Ion: 98 Resp: 431532

Ion	Ratio	Lower	Upper
98	100		
100	67.4	53.0	79.4



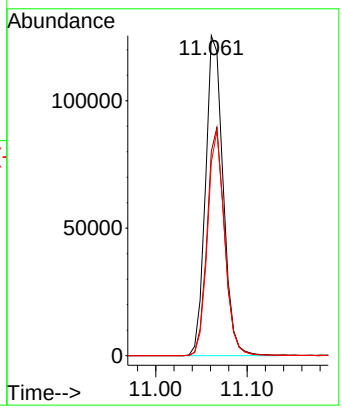


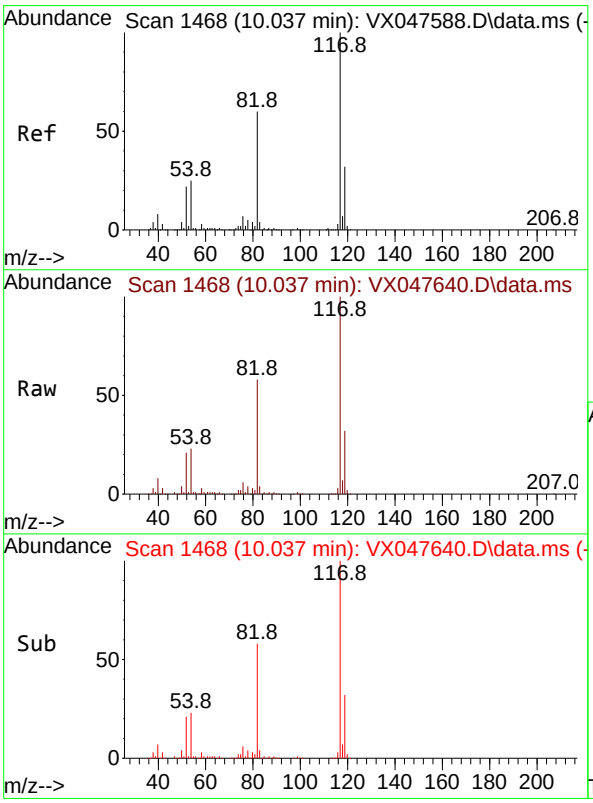
#62
4-Bromofluorobenzene
Concen: 57.507 ug/l
RT: 11.061 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047640.D
Acq: 18 Sep 2025 15:01

Instrument :
MSVOA_X
ClientSampleId :
DUP01-20250909DL

Tgt Ion: 95 Resp: 167812

Ion	Ratio	Lower	Upper
95	100		
174	70.5	0.0	141.6
176	68.3	0.0	138.4

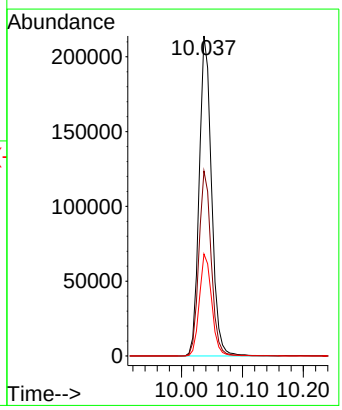


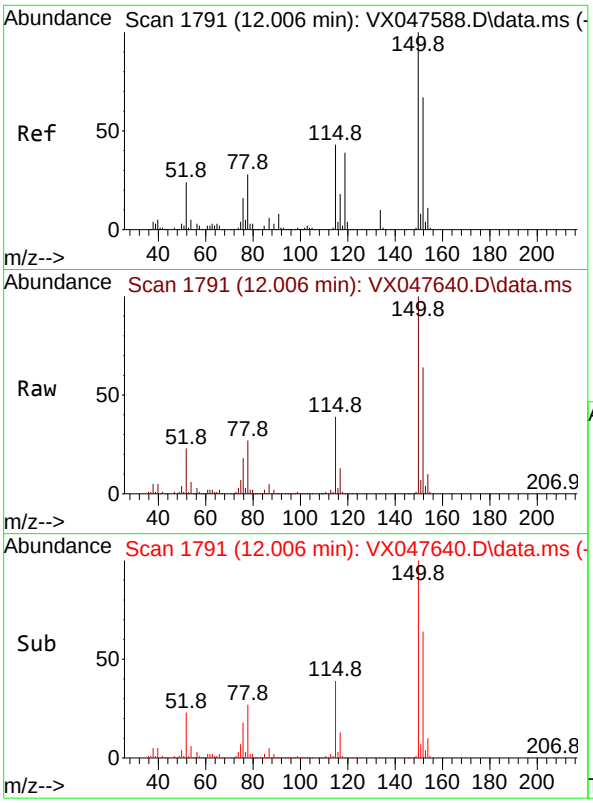


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX047640.D
Acq: 18 Sep 2025 15:01

Tgt Ion:117 Resp: 301020

Ion	Ratio	Lower	Upper
117	100		
82	57.8	47.8	71.6
119	31.9	25.2	37.8



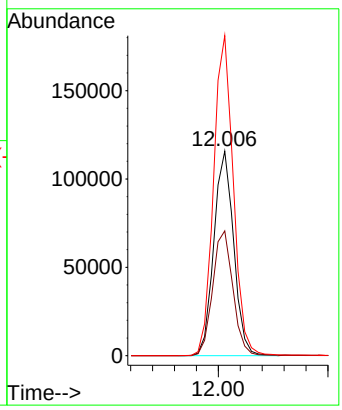


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047640.D
Acq: 18 Sep 2025 15:01

Instrument :
MSVOA_X
ClientSampleId :
DUP01-20250909DL

Tgt Ion:152 Resp: 145612

Ion	Ratio	Lower	Upper
152	100		
115	62.4	44.9	134.5
150	156.3	0.0	352.0



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:	09/09/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/12/25
Client Sample ID:	RE126D2-20250909	SDG No.:	Q3095
Lab Sample ID:	Q3095-18	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047621.D	1	09/17/25 16:13	VX091725

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	0.48	J	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.81	J	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	0.79	J	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	0.48	J	0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.22	0.50	1.00	ug/L
67-66-3	Chloroform	0.34	J	0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.16	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	380	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:	09/09/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/12/25
Client Sample ID:	RE126D2-20250909	SDG No.:	Q3095
Lab Sample ID:	Q3095-18	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047621.D	1	09/17/25 16:13	VX091725

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	0.78	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	53.3		81 - 118		107%	SPK: 50
1868-53-7	Dibromofluoromethane	50.2		80 - 119		100%	SPK: 50
2037-26-5	Toluene-d8	48.6		89 - 112		97%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.2		85 - 114		100%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	170000	5.537				
540-36-3	1,4-Difluorobenzene	317000	6.751				
3114-55-4	Chlorobenzene-d5	283000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	138000	12.006				

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:	09/09/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/12/25
Client Sample ID:	RE126D2-20250909	SDG No.:	Q3095
Lab Sample ID:	Q3095-18	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047621.D	1	09/17/25 16:13	VX091725

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\VX091725\
Data File : VX047621.D
Acq On : 17 Sep 2025 16:13
Operator : JC/MD
Sample : Q3095-18
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RE126D2-20250909

Quant Time: Sep 18 02:06:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

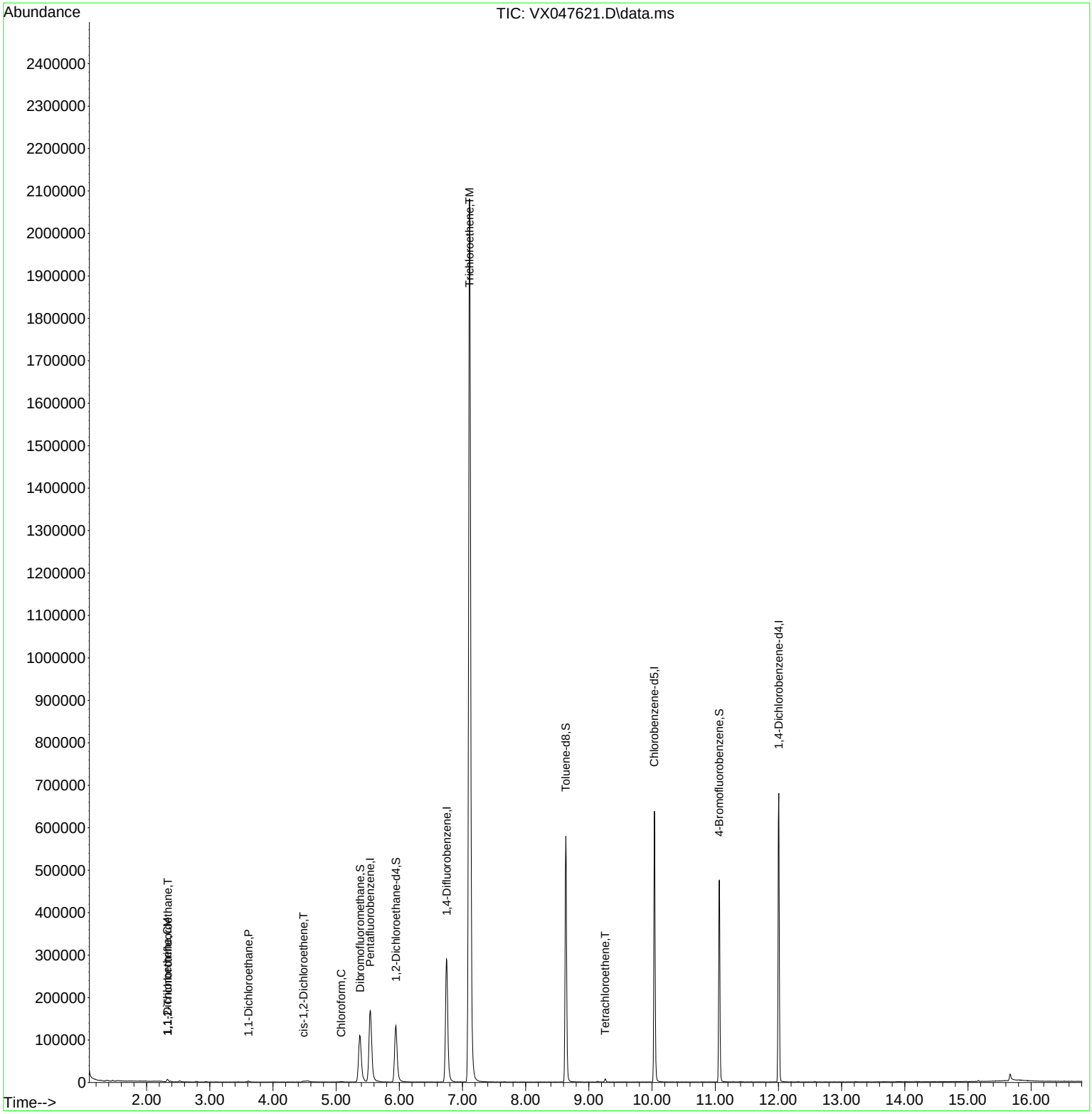
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.537	168	169880	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	316576	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	282558	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	137540	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	144227	53.337	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 106.680%			
35) Dibromofluoromethane	5.379	113	106620	50.218	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.440%			
50) Toluene-d8	8.634	98	357051	48.602	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 97.200%			
62) 4-Bromofluorobenzene	11.061	95	139905	50.179	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 100.360%			
Target Compounds						Qvalue
9) 1,1,2-Trichlorotrifluo...	2.337	101	938	0.477	ug/l #	82
12) 1,1-Dichloroethene	2.331	96	1632	0.809	ug/l	85
24) 1,1-Dichloroethane	3.611	63	3380	0.788	ug/l #	92
27) cis-1,2-Dichloroethene	4.483	96	1289	0.484	ug/l	73
30) Chloroform	5.080	83	1479	0.341	ug/l	84
44) Trichloroethene	7.110	130	863050	378.850	ug/l	98
64) Tetrachloroethene	9.256	164	1440	0.782	ug/l	95

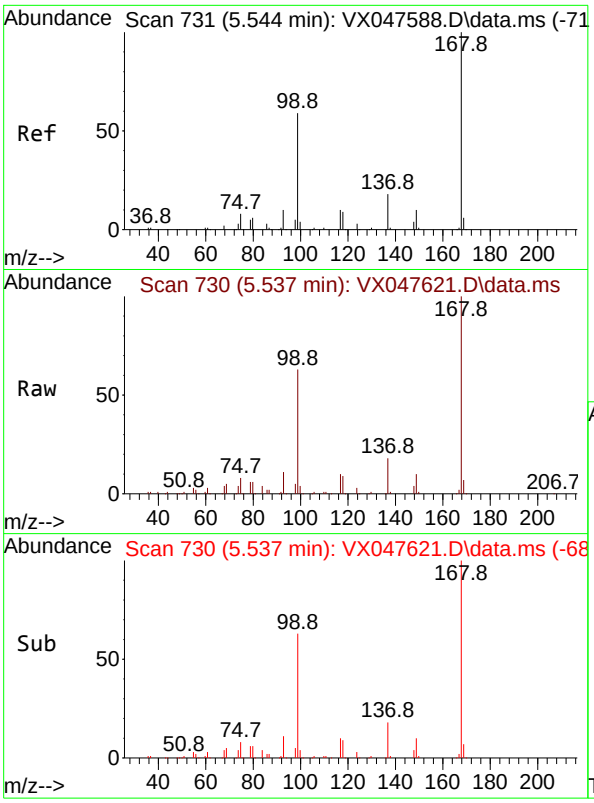
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091725\
Data File : VX047621.D
Acq On : 17 Sep 2025 16:13
Operator : JC/MD
Sample : Q3095-18
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RE126D2-20250909

Quant Time: Sep 18 02:06:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



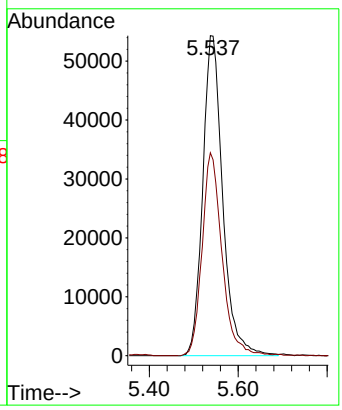


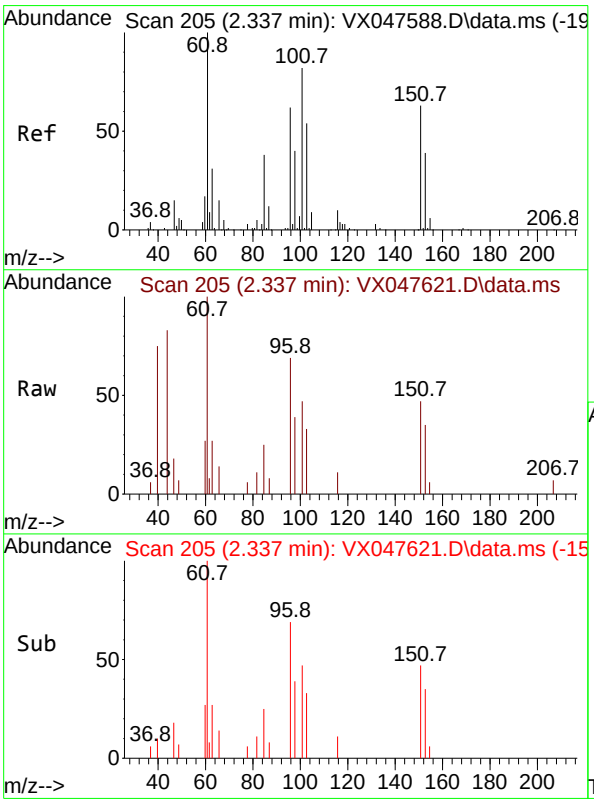
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.537 min Scan# 7
Delta R.T. -0.007 min
Lab File: VX047621.D
Acq: 17 Sep 2025 16:13

Instrument :
MSVOA_X
ClientSampleId :
RE126D2-20250909

Tgt Ion:168 Resp: 169880

Ion	Ratio	Lower	Upper
168	100		
99	63.4	48.8	73.2

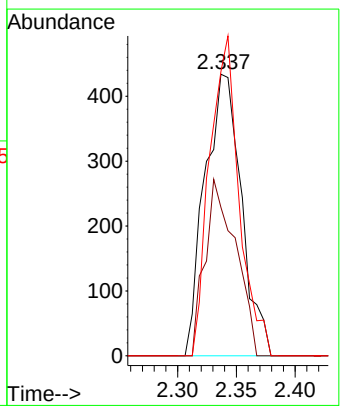


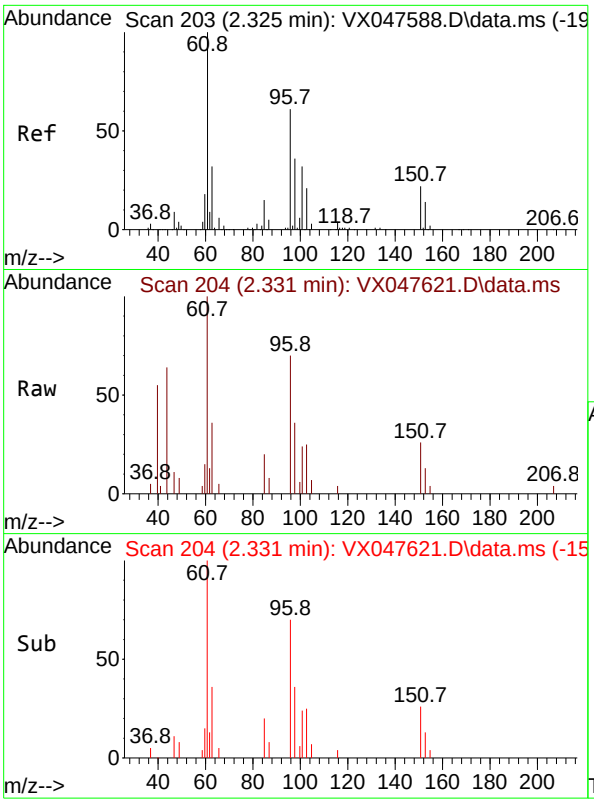


#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.477 ug/l
RT: 2.337 min Scan# 205
Delta R.T. -0.000 min
Lab File: VX047621.D
Acq: 17 Sep 2025 16:13

Tgt Ion:101 Resp: 938

Ion	Ratio	Lower	Upper
101	100		
85	52.6	35.5	53.3
151	91.8	59.4	89.0#



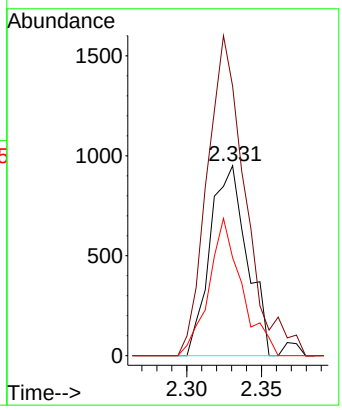


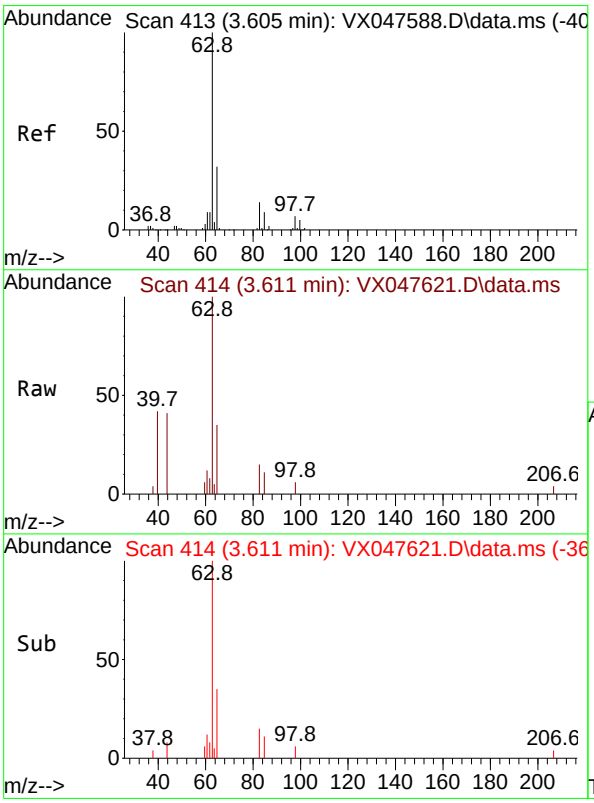
#12
1,1-Dichloroethene
Concen: 0.809 ug/l
RT: 2.331 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX047621.D
Acq: 17 Sep 2025 16:13

Instrument :
MSVOA_X
ClientSampleId :
RE126D2-20250909

Tgt Ion: 96 Resp: 1632

Ion	Ratio	Lower	Upper
96	100		
61	142.0	131.0	196.6
98	51.7	47.7	71.5

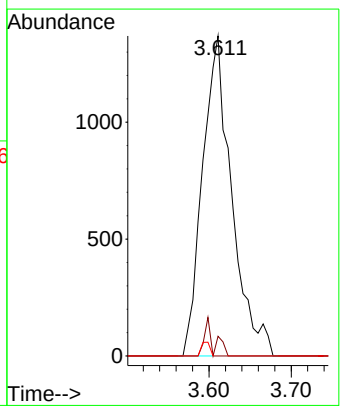


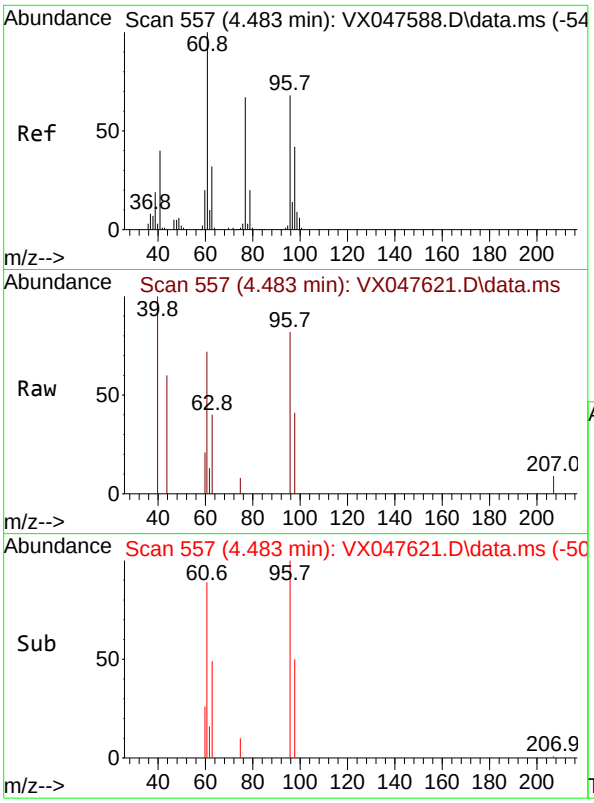


#24
1,1-Dichloroethane
Concen: 0.788 ug/l
RT: 3.611 min Scan# 414
Delta R.T. 0.006 min
Lab File: VX047621.D
Acq: 17 Sep 2025 16:13

Tgt Ion: 63 Resp: 3380

Ion	Ratio	Lower	Upper
63	100		
98	5.8	3.8	11.2
100	0.0	2.3	6.9#



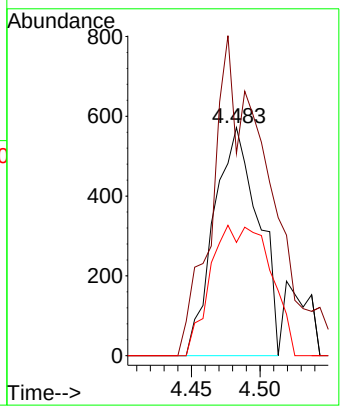


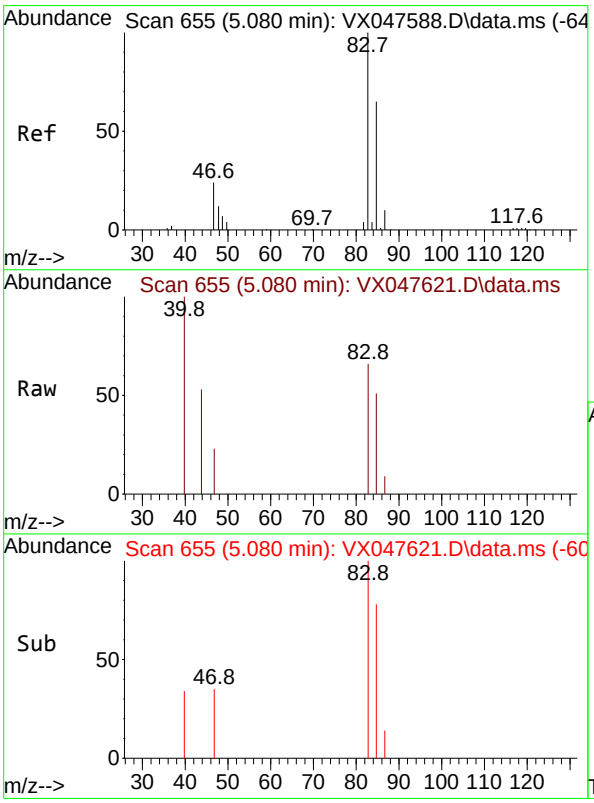
#27
cis-1,2-Dichloroethene
Concen: 0.484 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX047621.D
Acq: 17 Sep 2025 16:13

Instrument :
MSVOA_X
ClientSampleId :
RE126D2-20250909

Tgt Ion: 96 Resp: 1289

Ion	Ratio	Lower	Upper
96	100		
61	182.4	0.0	303.2
98	36.9	0.0	127.8

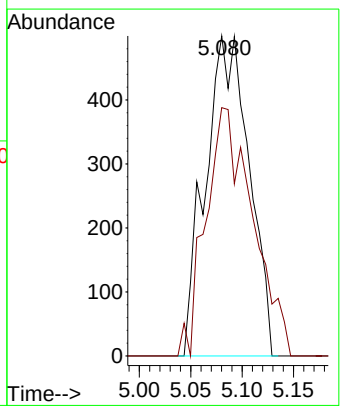


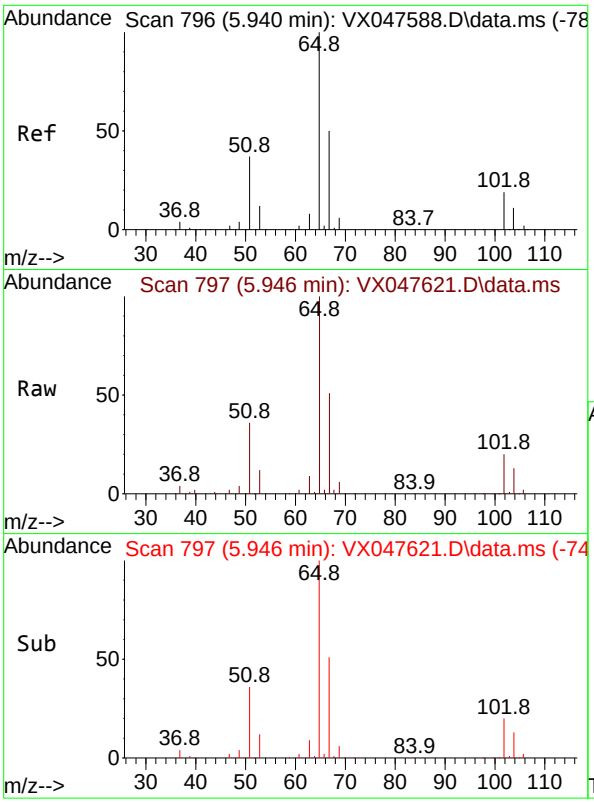


#30
Chloroform
Concen: 0.341 ug/l
RT: 5.080 min Scan# 655
Delta R.T. -0.000 min
Lab File: VX047621.D
Acq: 17 Sep 2025 16:13

Tgt Ion: 83 Resp: 1479

Ion	Ratio	Lower	Upper
83	100		
85	77.6	51.8	77.6



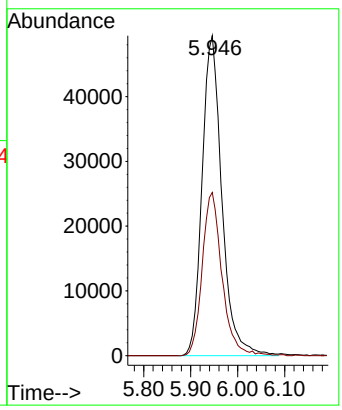


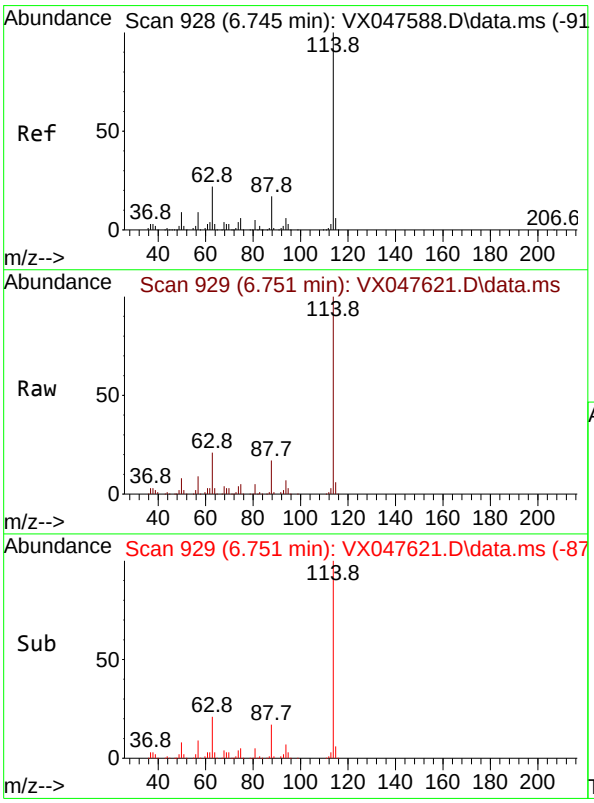
#33
1,2-Dichloroethane-d4
Concen: 53.337 ug/l
RT: 5.946 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047621.D
Acq: 17 Sep 2025 16:13

Instrument :
MSVOA_X
ClientSampleId :
RE126D2-20250909

Tgt Ion: 65 Resp: 144227

Ion	Ratio	Lower	Upper
65	100		
67	51.0	0.0	103.0

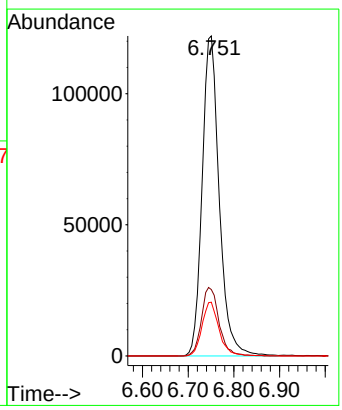


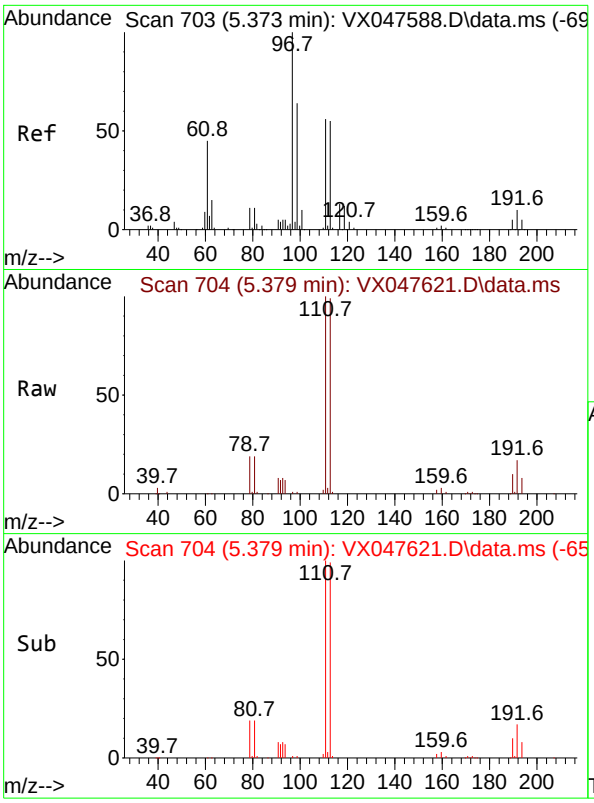


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 929
Delta R.T. 0.006 min
Lab File: VX047621.D
Acq: 17 Sep 2025 16:13

Tgt Ion:114 Resp: 316576

Ion	Ratio	Lower	Upper
114	100		
63	20.8	0.0	44.0
88	16.8	0.0	34.2



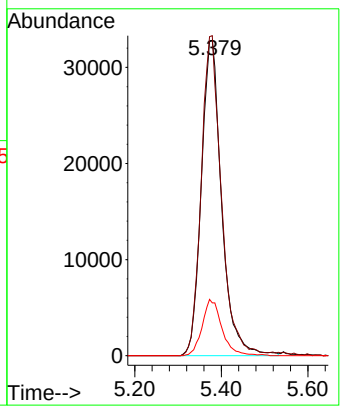


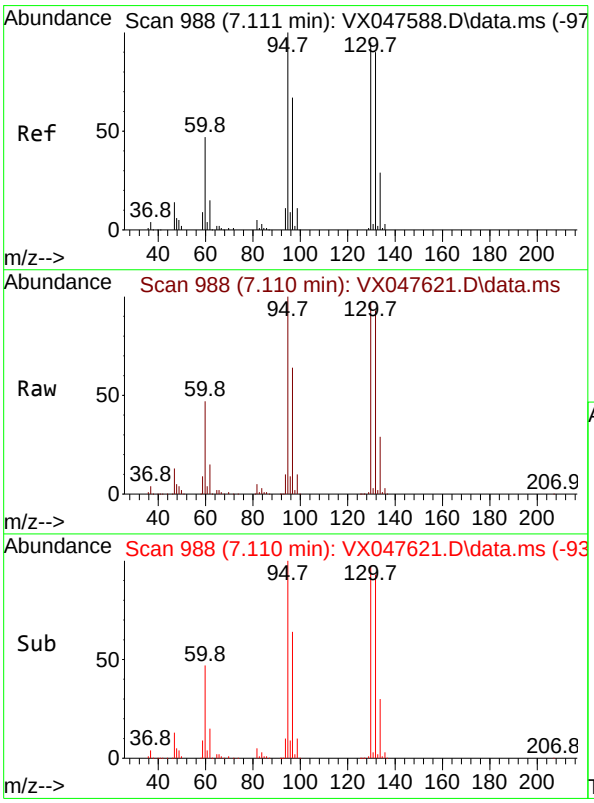
#35
Dibromofluoromethane
Concen: 50.218 ug/l
RT: 5.379 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047621.D
Acq: 17 Sep 2025 16:13

Instrument :
MSVOA_X
ClientSampleId :
RE126D2-20250909

Tgt Ion:113 Resp: 106620

Ion	Ratio	Lower	Upper
113	100		
111	100.9	80.9	121.3
192	17.5	14.2	21.4

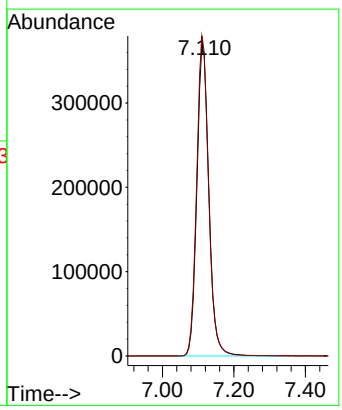


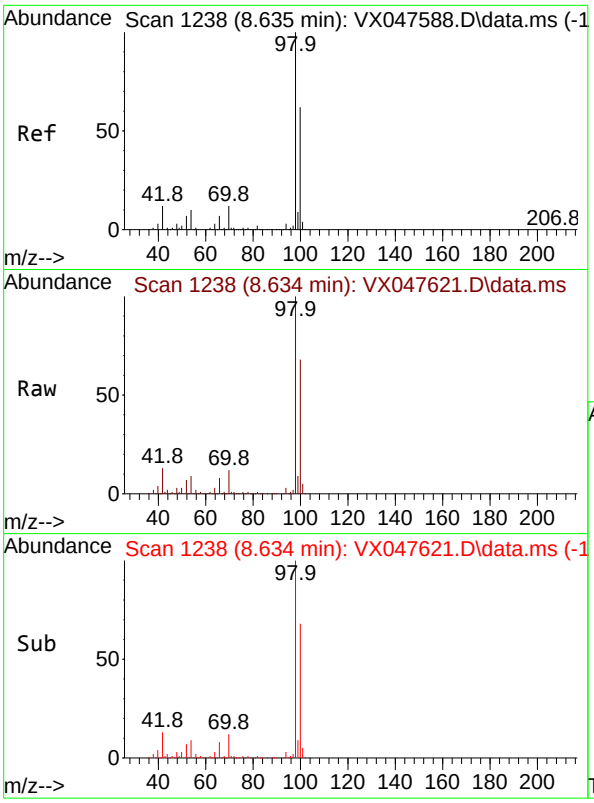


#44
Trichloroethene
Concen: 378.850 ug/l
RT: 7.110 min Scan# 988
Delta R.T. -0.000 min
Lab File: VX047621.D
Acq: 17 Sep 2025 16:13

Tgt Ion:130 Resp: 863050

Ion	Ratio	Lower	Upper
130	100		
95	102.9	0.0	210.8



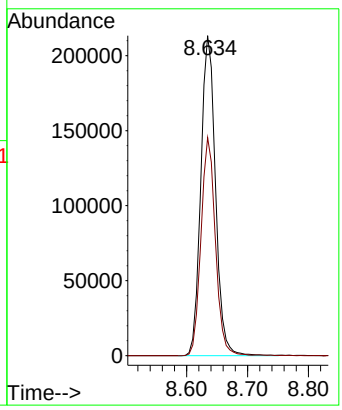


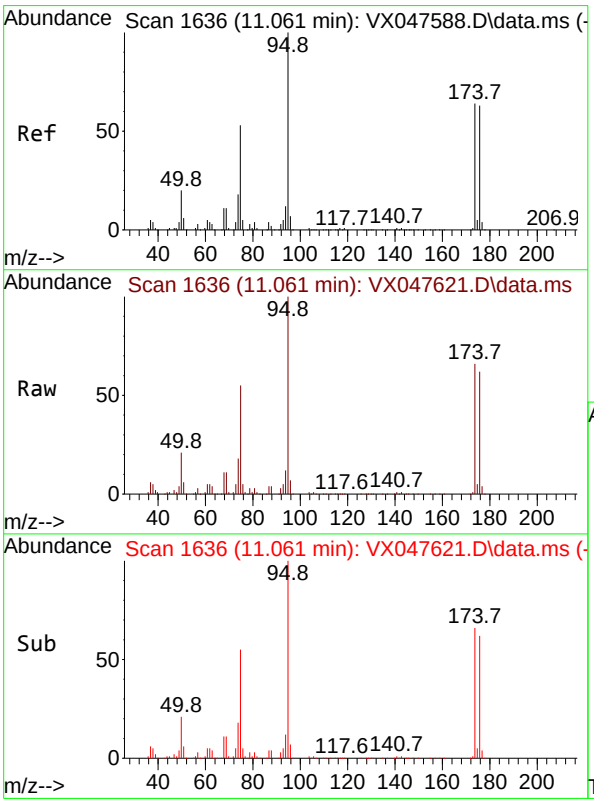
#50
Toluene-d8
Concen: 48.602 ug/l
RT: 8.634 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047621.D
Acq: 17 Sep 2025 16:13

Instrument :
MSVOA_X
ClientSampleId :
RE126D2-20250909

Tgt Ion: 98 Resp: 357051

Ion	Ratio	Lower	Upper
98	100		
100	67.1	53.0	79.4

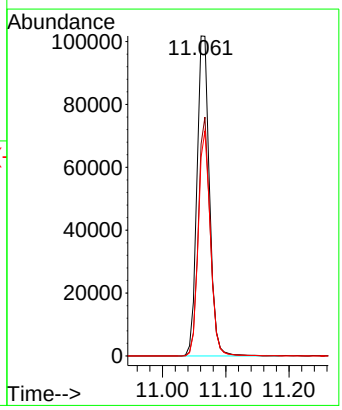


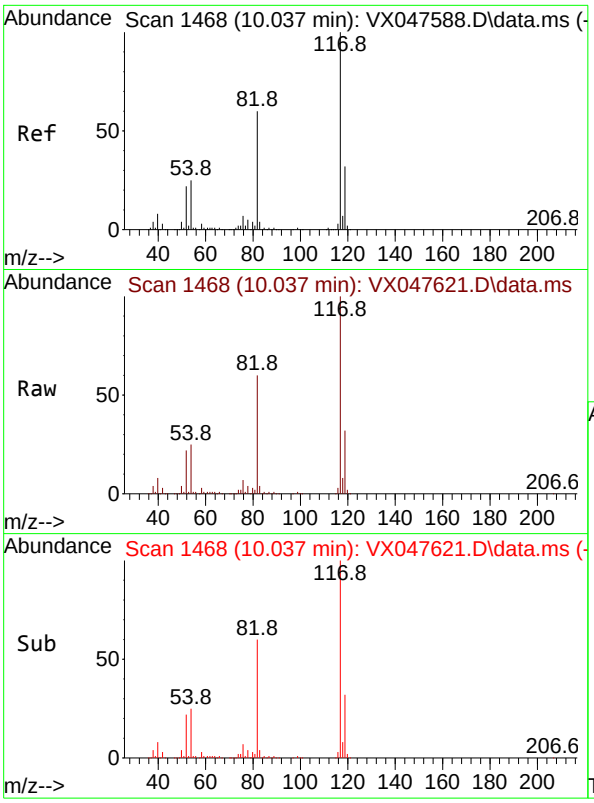


#62
4-Bromofluorobenzene
Concen: 50.179 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX047621.D
Acq: 17 Sep 2025 16:13

Tgt Ion: 95 Resp: 139905

Ion	Ratio	Lower	Upper
95	100		
174	70.7	0.0	141.6
176	68.0	0.0	138.4



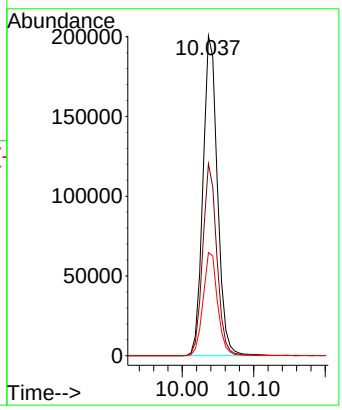


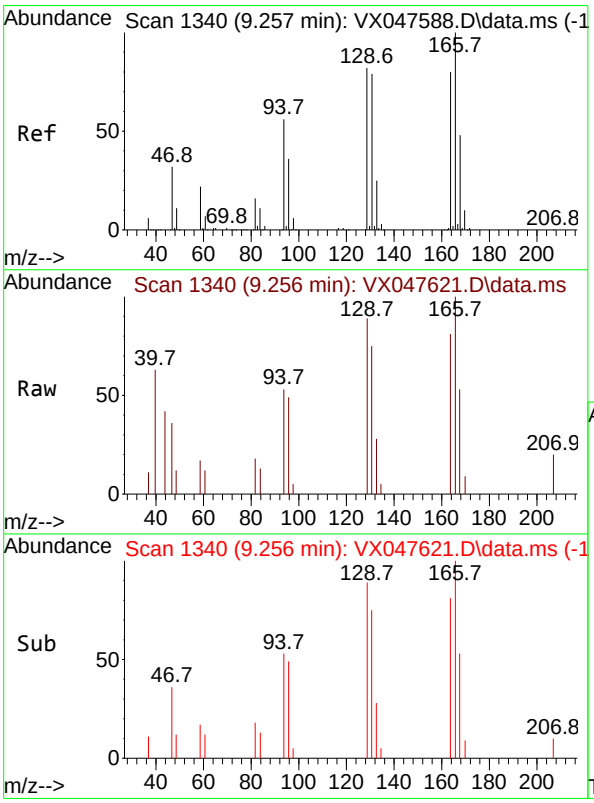
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047621.D
Acq: 17 Sep 2025 16:13

Instrument :
MSVOA_X
ClientSampleId :
RE126D2-20250909

Tgt Ion:117 Resp: 282558

Ion	Ratio	Lower	Upper
117	100		
82	60.0	47.8	71.6
119	32.2	25.2	37.8

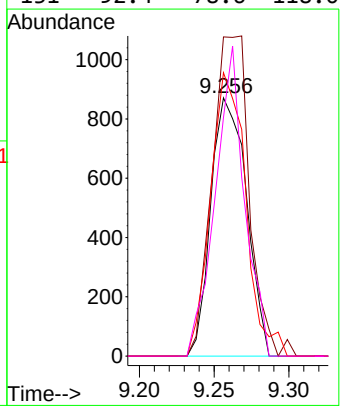


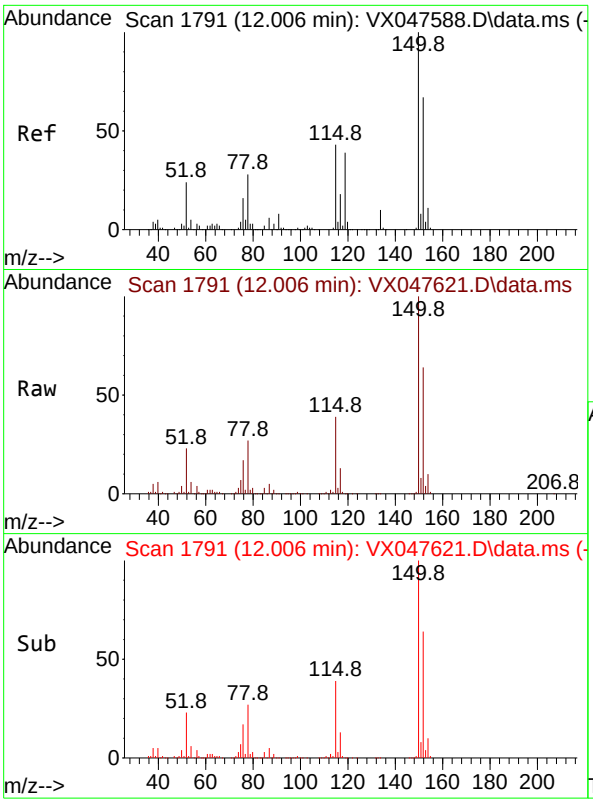


#64
Tetrachloroethene
Concen: 0.782 ug/l
RT: 9.256 min Scan# 1340
Delta R.T. -0.000 min
Lab File: VX047621.D
Acq: 17 Sep 2025 16:13

Tgt Ion:164 Resp: 1440

Ion	Ratio	Lower	Upper
164	100		
166	123.7	100.2	150.2
129	109.8	81.8	122.6
131	92.4	78.6	118.0



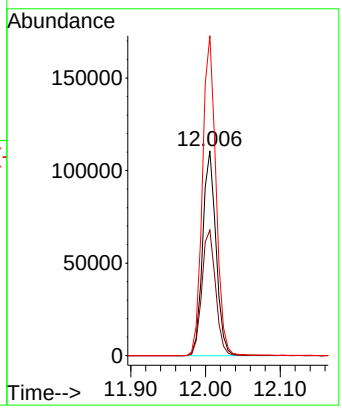


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047621.D
Acq: 17 Sep 2025 16:13

Instrument :
MSVOA_X
ClientSampleId :
RE126D2-20250909

Tgt Ion:152 Resp: 137540

Ion	Ratio	Lower	Upper
152	100		
115	63.2	44.9	134.5
150	158.7	0.0	352.0



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:	09/09/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/12/25
Client Sample ID:	RE126D2-20250909DL	SDG No.:	Q3095
Lab Sample ID:	Q3095-18DL	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047637.D	5	09/18/25 13:58	VX091825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	2.50	UD	1.10	2.50	5.00	ug/L
74-87-3	Chloromethane	2.50	UD	1.60	2.50	5.00	ug/L
75-01-4	Vinyl Chloride	3.80	UD	1.30	3.80	5.00	ug/L
74-83-9	Bromomethane	18.8	UD	7.20	18.8	25.0	ug/L
75-00-3	Chloroethane	3.80	UD	2.40	3.80	5.00	ug/L
75-69-4	Trichlorofluoromethane	2.50	UD	1.70	2.50	5.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	2.50	UD	1.30	2.50	5.00	ug/L
75-35-4	1,1-Dichloroethene	3.80	UD	1.20	3.80	5.00	ug/L
67-64-1	Acetone	18.8	UD	7.60	18.8	25.0	ug/L
75-15-0	Carbon Disulfide	3.80	UD	1.10	3.80	5.00	ug/L
1634-04-4	Methyl tert-butyl Ether	2.50	UD	0.80	2.50	5.00	ug/L
79-20-9	Methyl Acetate	3.80	UD	1.40	3.80	5.00	ug/L
75-09-2	Methylene Chloride	2.50	UD	1.40	2.50	5.00	ug/L
156-60-5	trans-1,2-Dichloroethene	2.50	UD	1.20	2.50	5.00	ug/L
75-34-3	1,1-Dichloroethane	2.50	UD	1.20	2.50	5.00	ug/L
110-82-7	Cyclohexane	12.5	UD	7.30	12.5	25.0	ug/L
78-93-3	2-Butanone	12.5	UD	4.90	12.5	25.0	ug/L
56-23-5	Carbon Tetrachloride	2.50	UD	1.30	2.50	5.00	ug/L
156-59-2	cis-1,2-Dichloroethene	3.80	UD	0.95	3.80	5.00	ug/L
74-97-5	Bromochloromethane	2.50	UDQ	1.10	2.50	5.00	ug/L
67-66-3	Chloroform	2.50	UD	1.30	2.50	5.00	ug/L
71-55-6	1,1,1-Trichloroethane	2.50	UD	1.00	2.50	5.00	ug/L
108-87-2	Methylcyclohexane	2.50	UD	0.80	2.50	5.00	ug/L
71-43-2	Benzene	2.50	UD	0.75	2.50	5.00	ug/L
107-06-2	1,2-Dichloroethane	2.50	UD	1.10	2.50	5.00	ug/L
79-01-6	Trichloroethene	380	D	0.47	3.80	5.00	ug/L
78-87-5	1,2-Dichloropropane	2.50	UD	1.00	2.50	5.00	ug/L
75-27-4	Bromodichloromethane	2.50	UD	1.10	2.50	5.00	ug/L
108-10-1	4-Methyl-2-Pentanone	12.5	UD	3.40	12.5	25.0	ug/L
108-88-3	Toluene	2.50	UD	0.70	2.50	5.00	ug/L

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	09/09/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/12/25
Client Sample ID:	RE126D2-20250909DL	SDG No.:	Q3095
Lab Sample ID:	Q3095-18DL	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047637.D	5	09/18/25 13:58	VX091825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	2.50	UD	0.85	2.50	5.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	2.50	UD	0.80	2.50	5.00	ug/L
79-00-5	1,1,2-Trichloroethane	2.50	UD	1.10	2.50	5.00	ug/L
591-78-6	2-Hexanone	12.5	UD	4.50	12.5	25.0	ug/L
124-48-1	Dibromochloromethane	2.50	UD	0.90	2.50	5.00	ug/L
106-93-4	1,2-Dibromoethane	2.50	UD	0.75	2.50	5.00	ug/L
127-18-4	Tetrachloroethene	2.50	UD	1.20	2.50	5.00	ug/L
108-90-7	Chlorobenzene	2.50	UD	0.60	2.50	5.00	ug/L
100-41-4	Ethyl Benzene	2.50	UD	0.65	2.50	5.00	ug/L
179601-23-1	m/p-Xylenes	5.00	UD	1.20	5.00	10.0	ug/L
95-47-6	o-Xylene	2.50	UD	0.60	2.50	5.00	ug/L
100-42-5	Styrene	2.50	UD	0.75	2.50	5.00	ug/L
75-25-2	Bromoform	2.50	UD	0.95	2.50	5.00	ug/L
98-82-8	Isopropylbenzene	2.50	UD	0.60	2.50	5.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	2.50	UD	1.30	2.50	5.00	ug/L
541-73-1	1,3-Dichlorobenzene	2.50	UD	0.80	2.50	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	2.50	UD	0.95	2.50	5.00	ug/L
95-50-1	1,2-Dichlorobenzene	2.50	UD	0.80	2.50	5.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	3.80	UD	2.70	3.80	5.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	2.50	UD	1.00	2.50	5.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	3.80	UD	1.00	3.80	5.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	49.9		81 - 118		100%	SPK: 50
1868-53-7	Dibromofluoromethane	48.2		80 - 119		96%	SPK: 50
2037-26-5	Toluene-d8	49.4		89 - 112		99%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.1		85 - 114		100%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	189000	5.538				
540-36-3	1,4-Difluorobenzene	341000	6.751				
3114-55-4	Chlorobenzene-d5	307000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	151000	12.006				

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:	09/09/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/12/25
Client Sample ID:	RE126D2-20250909DL	SDG No.:	Q3095
Lab Sample ID:	Q3095-18DL	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047637.D	5	09/18/25 13:58	VX091825

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\VX091825\
Data File : VX047637.D
Acq On : 18 Sep 2025 13:58
Operator : JC/MD
Sample : Q3095-18DL 5X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RE126D2-20250909DL

Quant Time: Sep 19 01:50:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

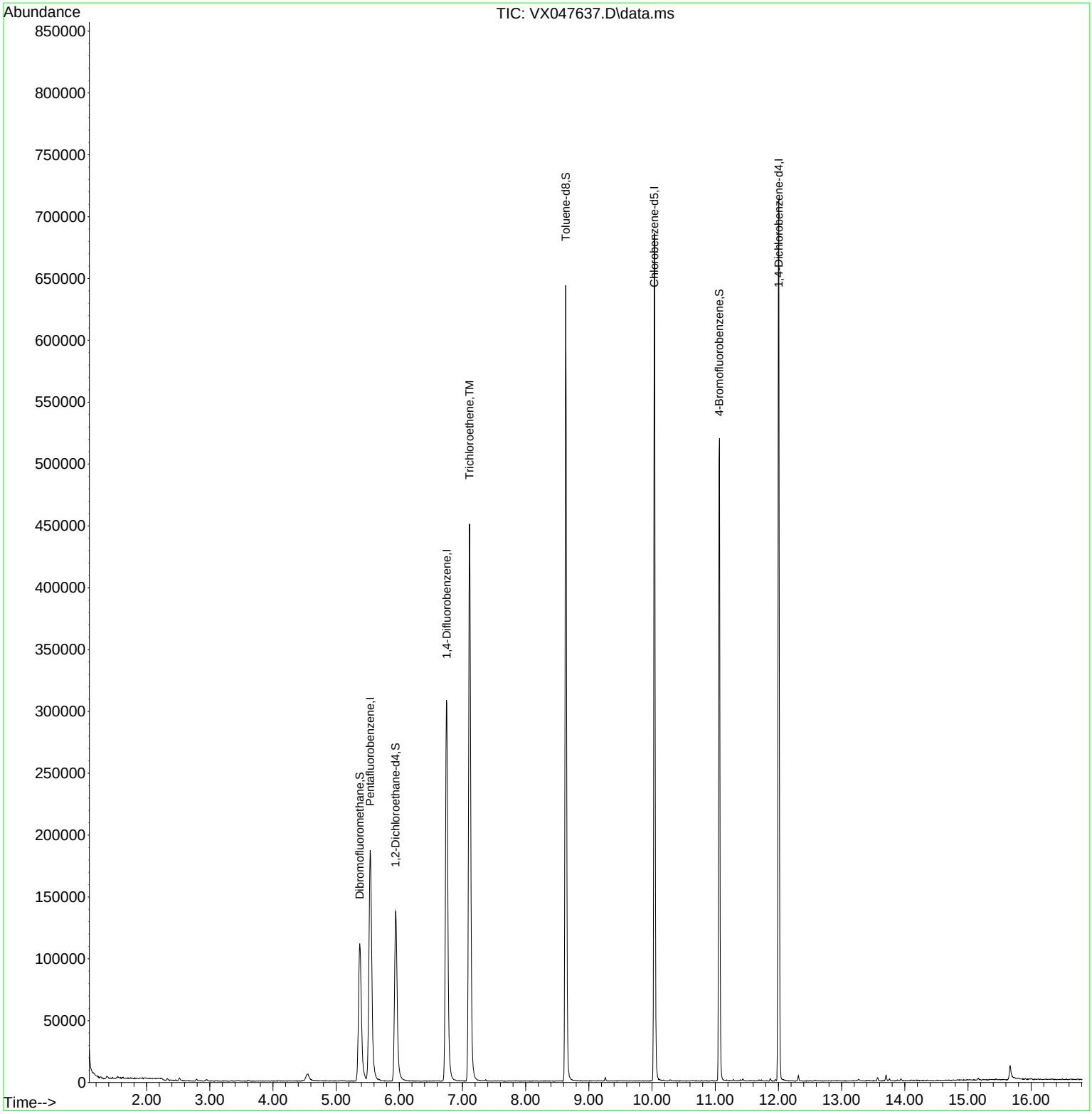
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.538	168	188808	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	340601	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	307144	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	150558	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	149873	49.869	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 99.740%			
35) Dibromofluoromethane	5.373	113	110117	48.207	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 96.420%			
50) Toluene-d8	8.635	98	390264	49.376	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 98.760%			
62) 4-Bromofluorobenzene	11.061	95	150193	50.069	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 100.140%			
Target Compounds						Qvalue
44) Trichloroethene	7.111	130	187122	76.346	ug/l	94

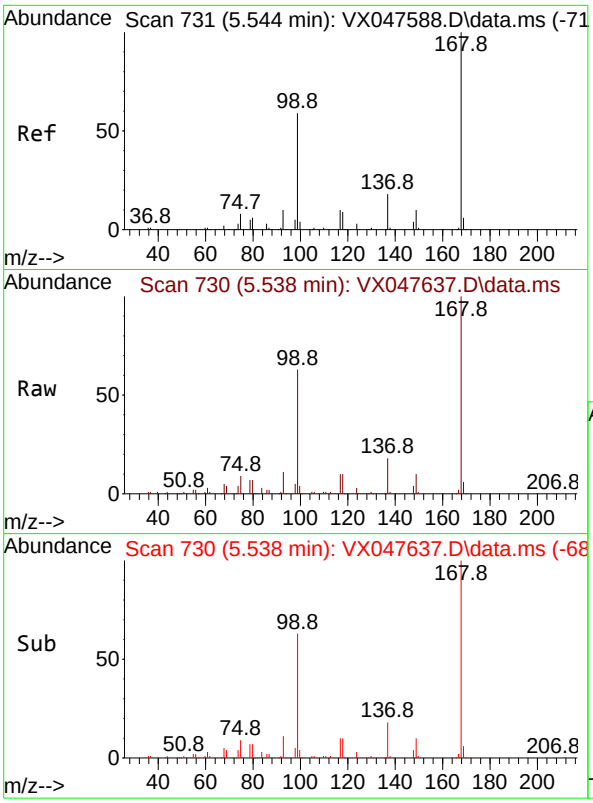
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091825\
Data File : VX047637.D
Acq On : 18 Sep 2025 13:58
Operator : JC/MD
Sample : Q3095-18DL 5X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RE126D2-20250909DL

Quant Time: Sep 19 01:50:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



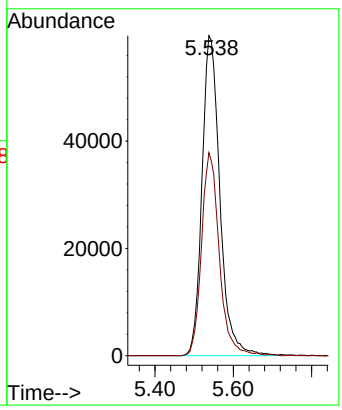


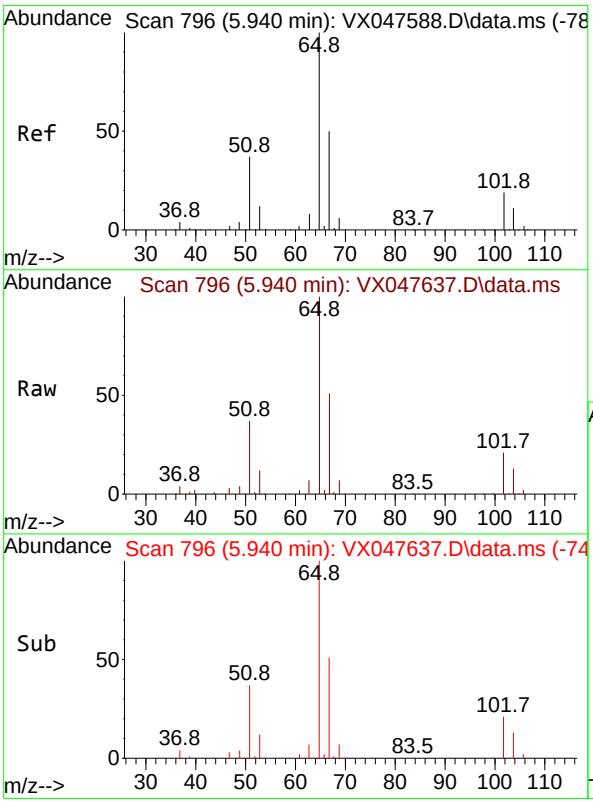
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047637.D
Acq: 18 Sep 2025 13:58

Instrument :
MSVOA_X
ClientSampleId :
RE126D2-20250909DL

Tgt Ion:168 Resp: 188808

Ion	Ratio	Lower	Upper
168	100		
99	63.5	48.8	73.2

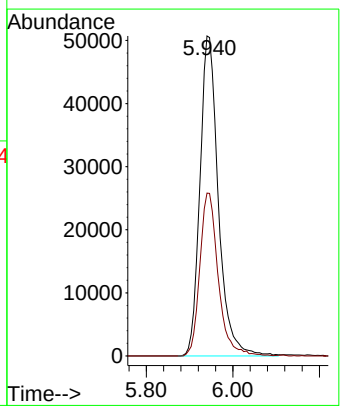


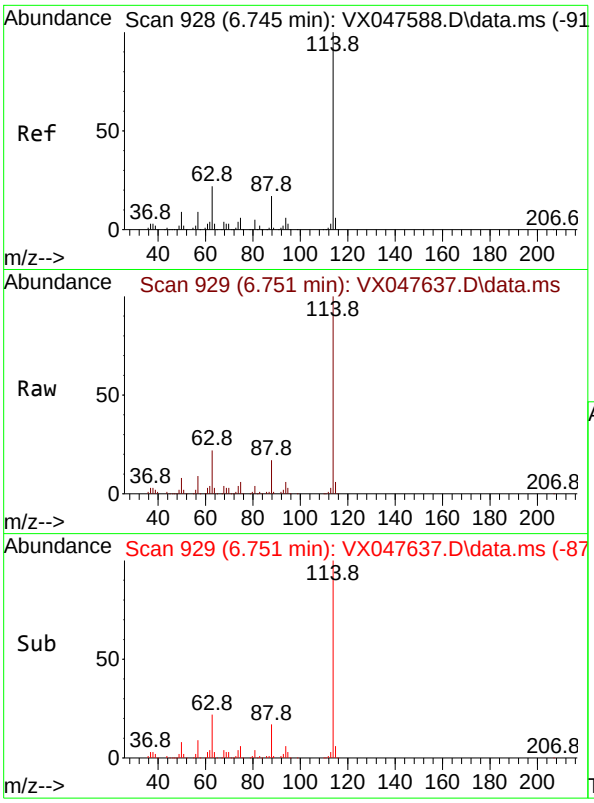


#33
1,2-Dichloroethane-d4
Concen: 49.869 ug/l
RT: 5.940 min Scan# 796
Delta R.T. -0.000 min
Lab File: VX047637.D
Acq: 18 Sep 2025 13:58

Tgt Ion: 65 Resp: 149873

Ion	Ratio	Lower	Upper
65	100		
67	50.8	0.0	103.0



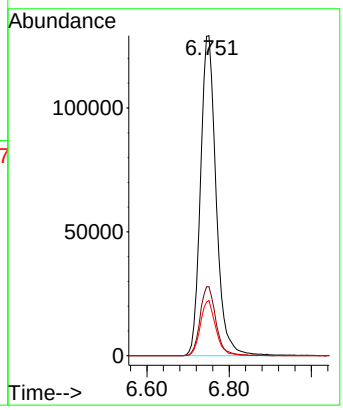


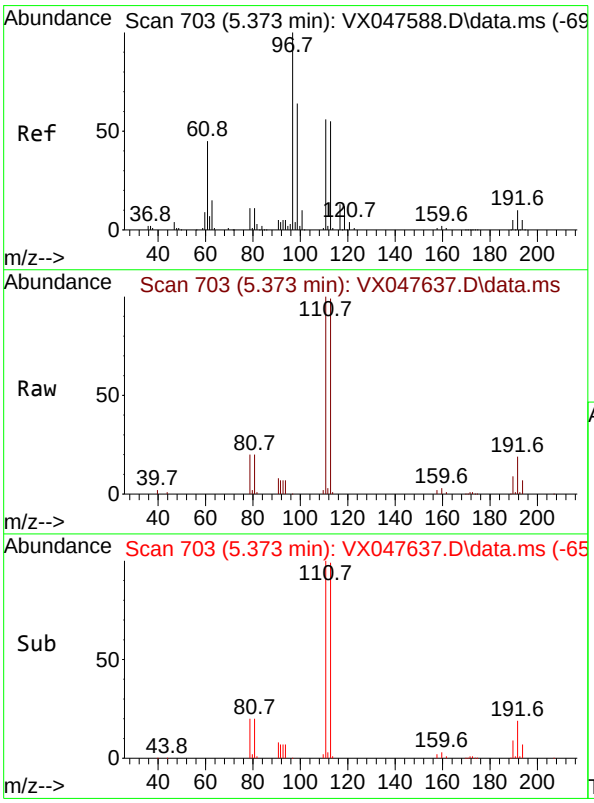
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 9
Delta R.T. 0.006 min
Lab File: VX047637.D
Acq: 18 Sep 2025 13:58

Instrument :
MSVOA_X
ClientSampleId :
RE126D2-20250909DL

Tgt Ion:114 Resp: 340601

Ion	Ratio	Lower	Upper
114	100		
63	24.3	0.0	44.0
88	17.3	0.0	34.2

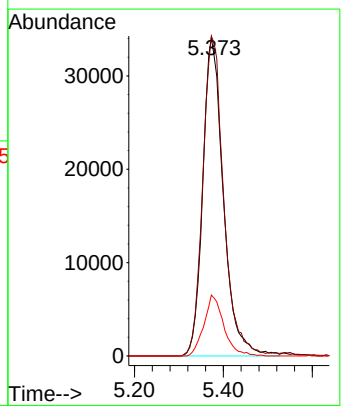


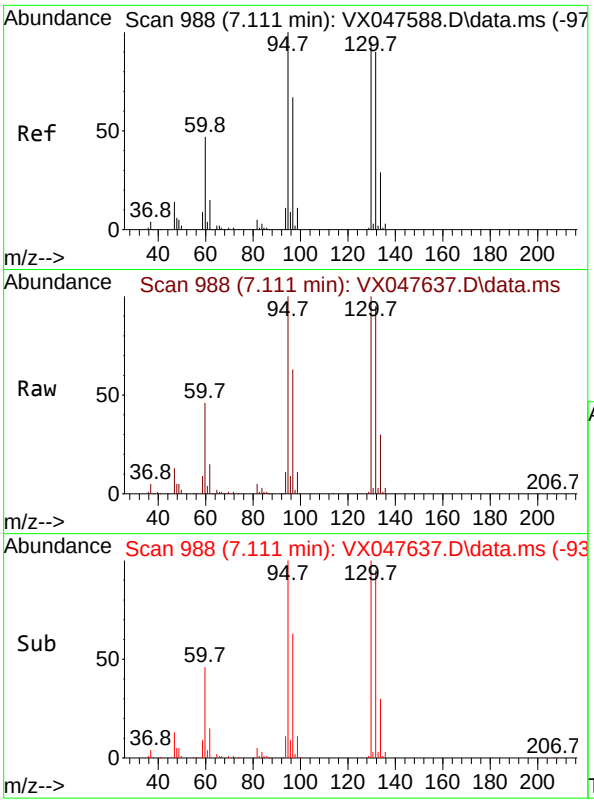


#35
Dibromofluoromethane
Concen: 48.207 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX047637.D
Acq: 18 Sep 2025 13:58

Tgt Ion:113 Resp: 110117

Ion	Ratio	Lower	Upper
113	100		
111	101.8	80.9	121.3
192	18.4	14.2	21.4



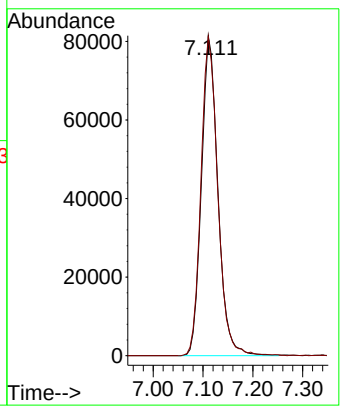


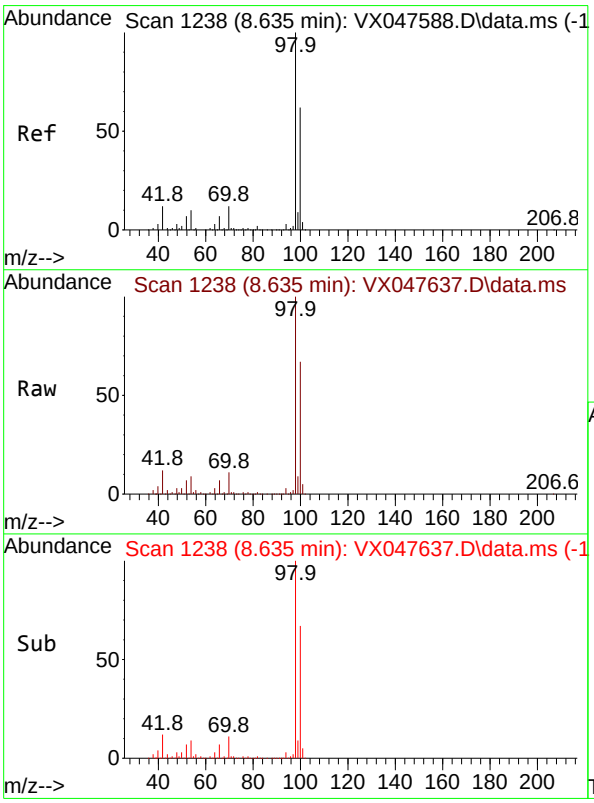
#44
Trichloroethene
Concen: 76.346 ug/l
RT: 7.111 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX047637.D
Acq: 18 Sep 2025 13:58

Instrument :
MSVOA_X
ClientSampleId :
RE126D2-20250909DL

Tgt Ion:130 Resp: 187122

Ion	Ratio	Lower	Upper
130	100		
95	99.7	0.0	210.8

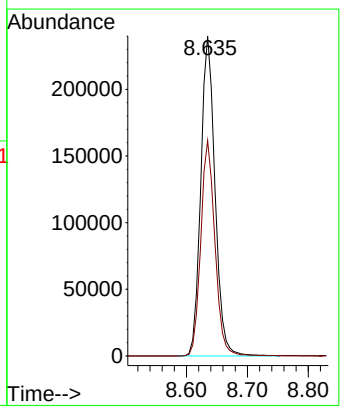


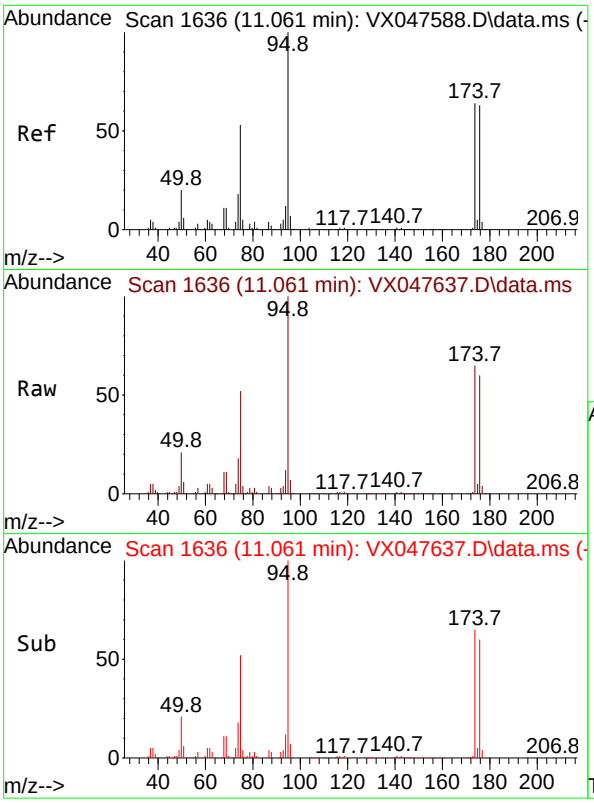


#50
Toluene-d8
Concen: 49.376 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX047637.D
Acq: 18 Sep 2025 13:58

Tgt Ion: 98 Resp: 390264

Ion	Ratio	Lower	Upper
98	100		
100	67.0	53.0	79.4



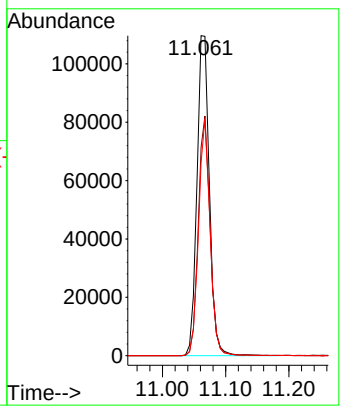


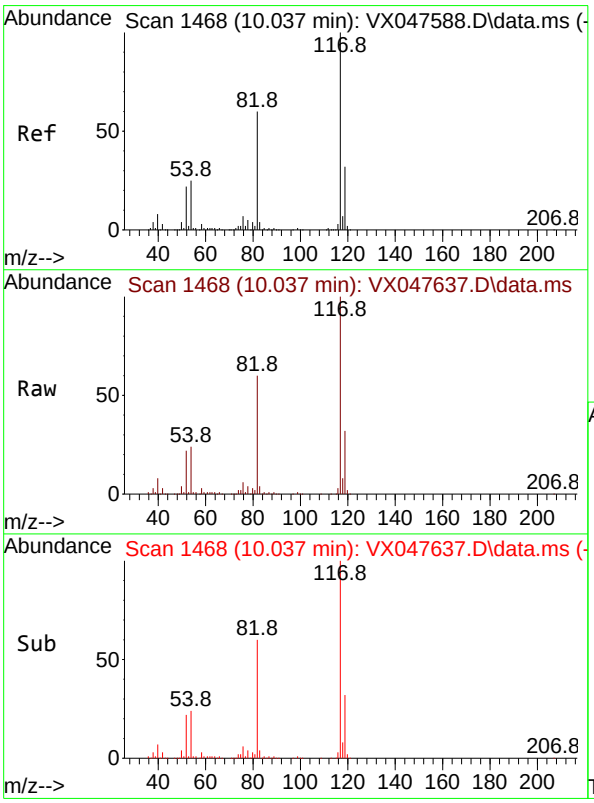
#62
4-Bromofluorobenzene
Concen: 50.069 ug/l
RT: 11.061 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047637.D
Acq: 18 Sep 2025 13:58

Instrument :
MSVOA_X
ClientSampleId :
RE126D2-20250909DL

Tgt Ion: 95 Resp: 150193

Ion	Ratio	Lower	Upper
95	100		
174	71.0	0.0	141.6
176	68.7	0.0	138.4

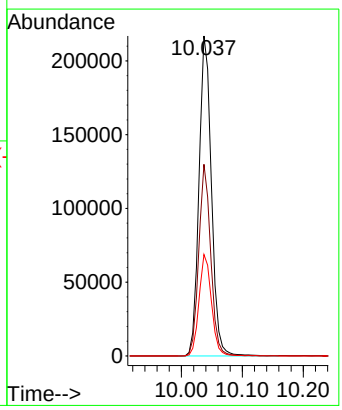


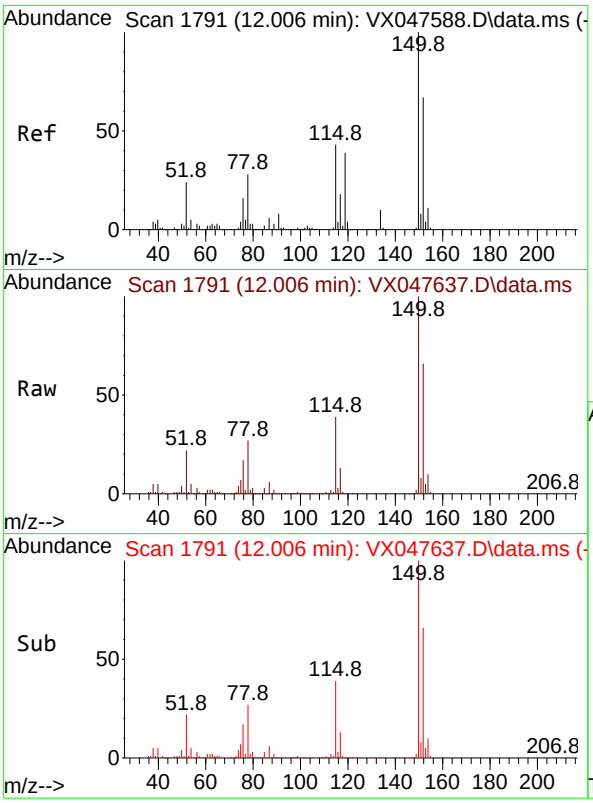


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX047637.D
Acq: 18 Sep 2025 13:58

Tgt Ion:117 Resp: 307144

Ion	Ratio	Lower	Upper
117	100		
82	59.9	47.8	71.6
119	31.7	25.2	37.8



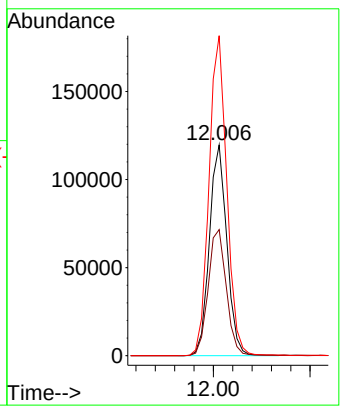


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047637.D
Acq: 18 Sep 2025 13:58

Instrument :
MSVOA_X
ClientSampleId :
RE126D2-20250909DL

Tgt Ion:152 Resp: 150558

Ion	Ratio	Lower	Upper
152	100		
115	62.3	44.9	134.5
150	154.1	0.0	352.0



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:	09/09/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/12/25
Client Sample ID:	RE126D3-20250909	SDG No.:	Q3095
Lab Sample ID:	Q3095-19	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047644.D	1	09/18/25 16:24	VX091825

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	UQ	0.22	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.16	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	3.10		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:	09/09/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/12/25
Client Sample ID:	RE126D3-20250909	SDG No.:	Q3095
Lab Sample ID:	Q3095-19	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047644.D	1	09/18/25 16:24	VX091825

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	2.50		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	55.6		81 - 118		111%	SPK: 50
1868-53-7	Dibromofluoromethane	52.6		80 - 119		105%	SPK: 50
2037-26-5	Toluene-d8	53.5		89 - 112		107%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.2		85 - 114		108%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	172000	5.544				
540-36-3	1,4-Difluorobenzene	319000	6.751				
3114-55-4	Chlorobenzene-d5	295000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	143000	12.006				

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:	09/09/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/12/25
Client Sample ID:	RE126D3-20250909	SDG No.:	Q3095
Lab Sample ID:	Q3095-19	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047644.D	1	09/18/25 16:24	VX091825

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\VX091825\
Data File : VX047644.D
Acq On : 18 Sep 2025 16:24
Operator : JC/MD
Sample : Q3095-19
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RE126D3-20250909

Quant Time: Sep 19 01:33:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

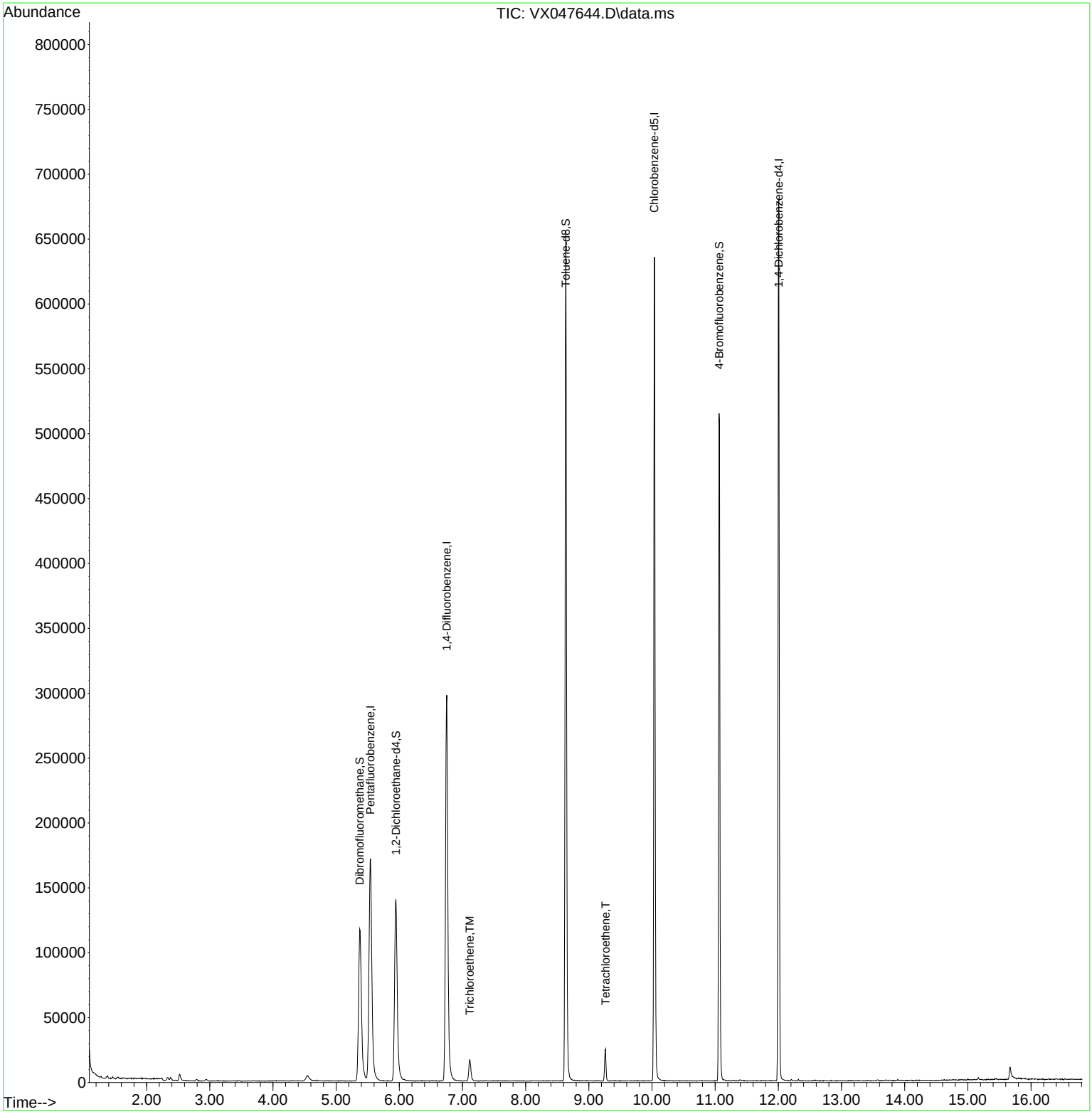
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	172316	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	319145	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	294532	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	143114	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	152601	55.636	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 111.280%			
35) Dibromofluoromethane	5.373	113	112492	52.557	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.120%			
50) Toluene-d8	8.635	98	396517	53.539	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 107.080%			
62) 4-Bromofluorobenzene	11.061	95	152295	54.183	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 108.360%			
Target Compounds						Qvalue
44) Trichloroethene	7.117	130	7208	3.139	ug/l	99
64) Tetrachloroethene	9.263	164	4759	2.479	ug/l	90

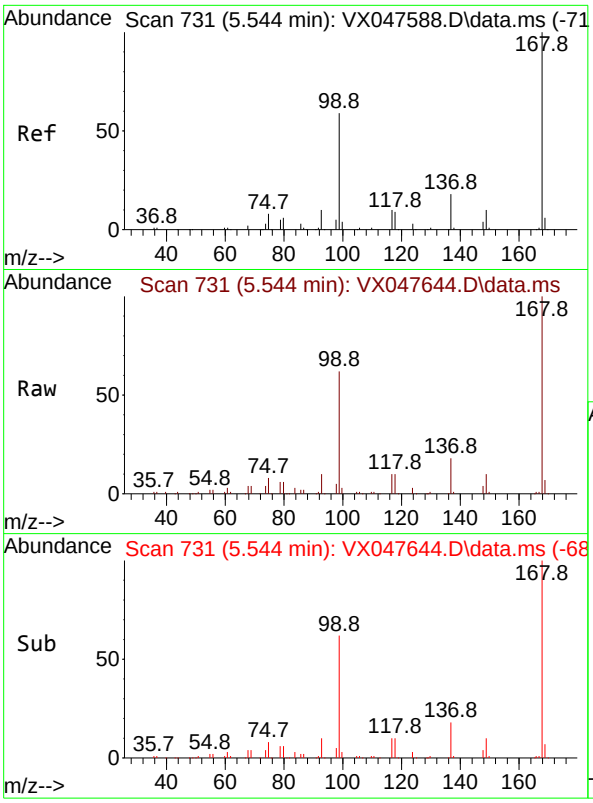
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091825\
Data File : VX047644.D
Acq On : 18 Sep 2025 16:24
Operator : JC/MD
Sample : Q3095-19
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RE126D3-20250909

Quant Time: Sep 19 01:33:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



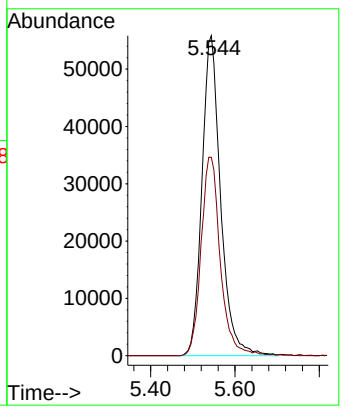


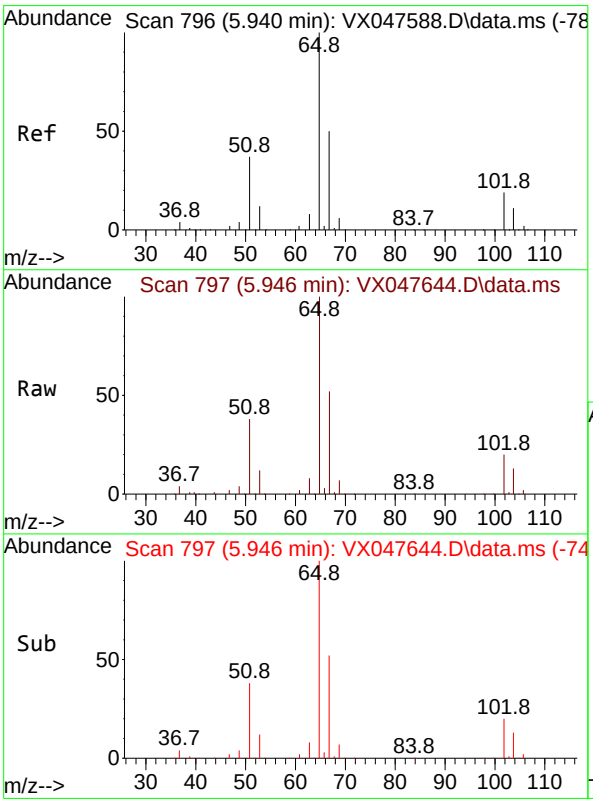
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047644.D
Acq: 18 Sep 2025 16:24

Instrument :
MSVOA_X
ClientSampleId :
RE126D3-20250909

Tgt Ion:168 Resp: 172316

Ion	Ratio	Lower	Upper
168	100		
99	62.0	48.8	73.2

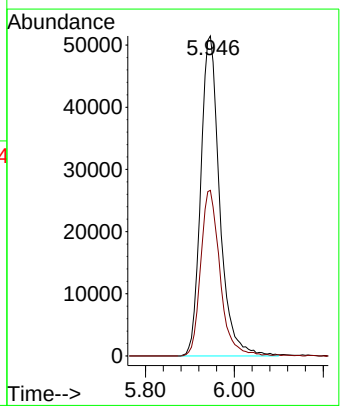


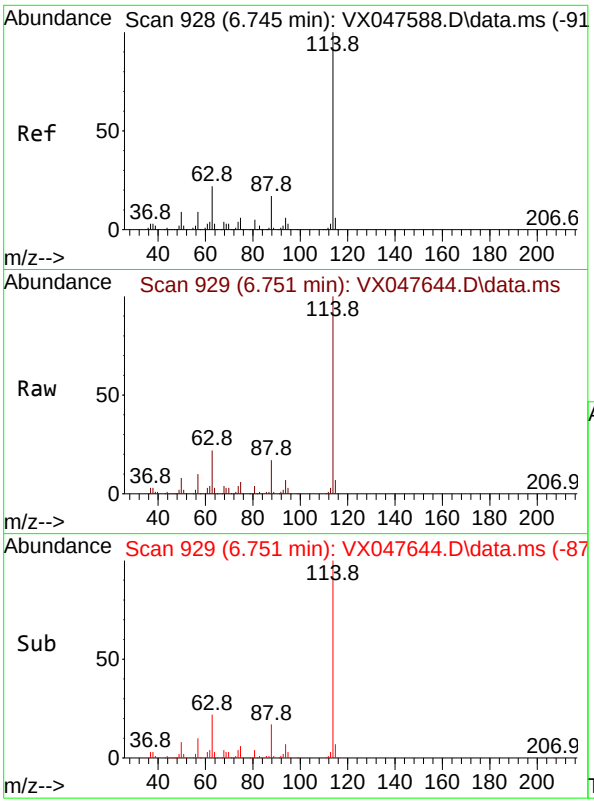


#33
1,2-Dichloroethane-d4
Concen: 55.636 ug/l
RT: 5.946 min Scan# 797
Delta R.T. 0.006 min
Lab File: VX047644.D
Acq: 18 Sep 2025 16:24

Tgt Ion: 65 Resp: 152601

Ion	Ratio	Lower	Upper
65	100		
67	52.7	0.0	103.0



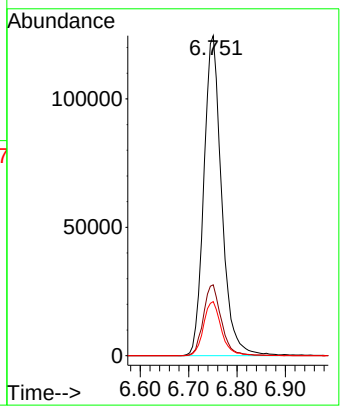


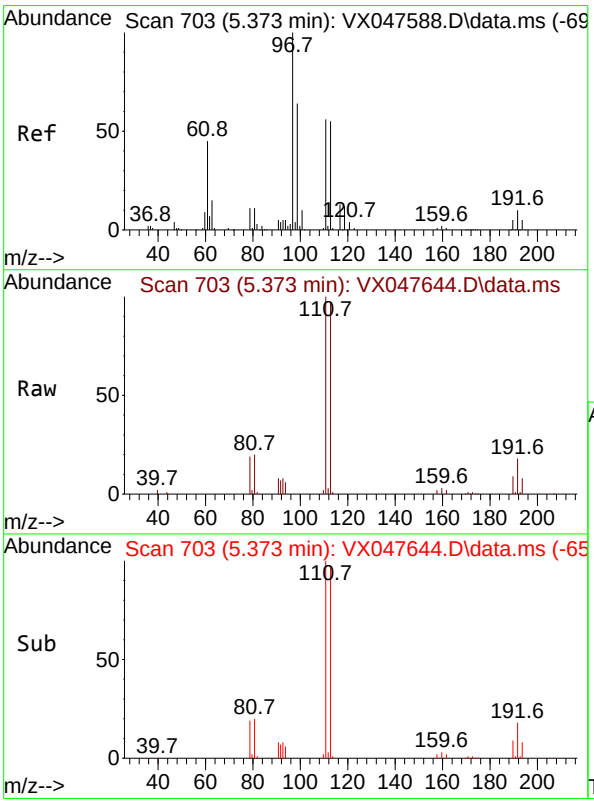
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 9
Delta R.T. 0.006 min
Lab File: VX047644.D
Acq: 18 Sep 2025 16:24

Instrument :
MSVOA_X
ClientSampleId :
RE126D3-20250909

Tgt Ion:114 Resp: 319145

Ion	Ratio	Lower	Upper
114	100		
63	22.1	0.0	44.0
88	16.9	0.0	34.2

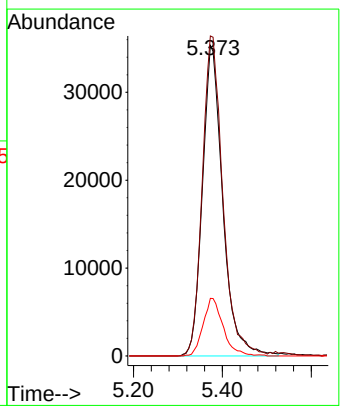


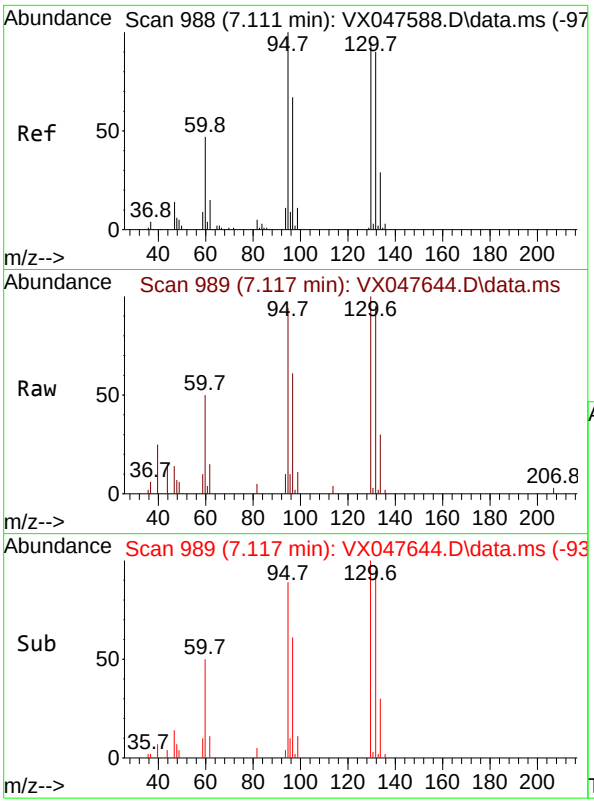


#35
Dibromofluoromethane
Concen: 52.557 ug/l
RT: 5.373 min Scan# 703
Delta R.T. 0.000 min
Lab File: VX047644.D
Acq: 18 Sep 2025 16:24

Tgt Ion:113 Resp: 112492

Ion	Ratio	Lower	Upper
113	100		
111	103.9	80.9	121.3
192	18.3	14.2	21.4



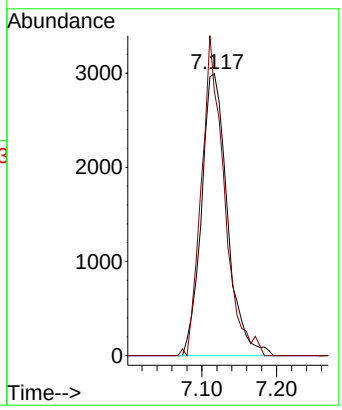


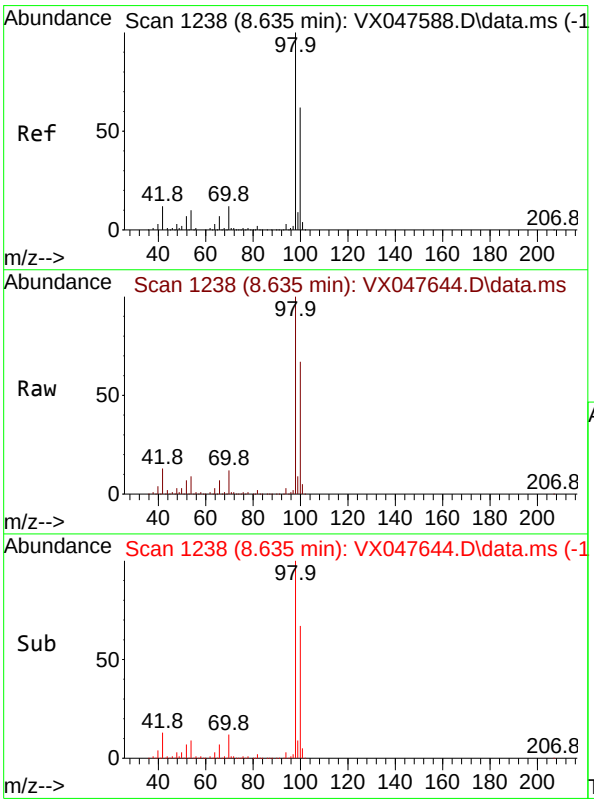
#44
Trichloroethene
Concen: 3.139 ug/l
RT: 7.117 min Scan# 9
Delta R.T. 0.006 min
Lab File: VX047644.D
Acq: 18 Sep 2025 16:24

Instrument :
MSVOA_X
ClientSampleId :
RE126D3-20250909

Tgt Ion:130 Resp: 7208

Ion	Ratio	Lower	Upper
130	100		
95	104.1	0.0	210.8

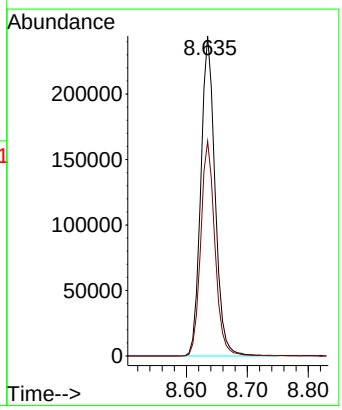


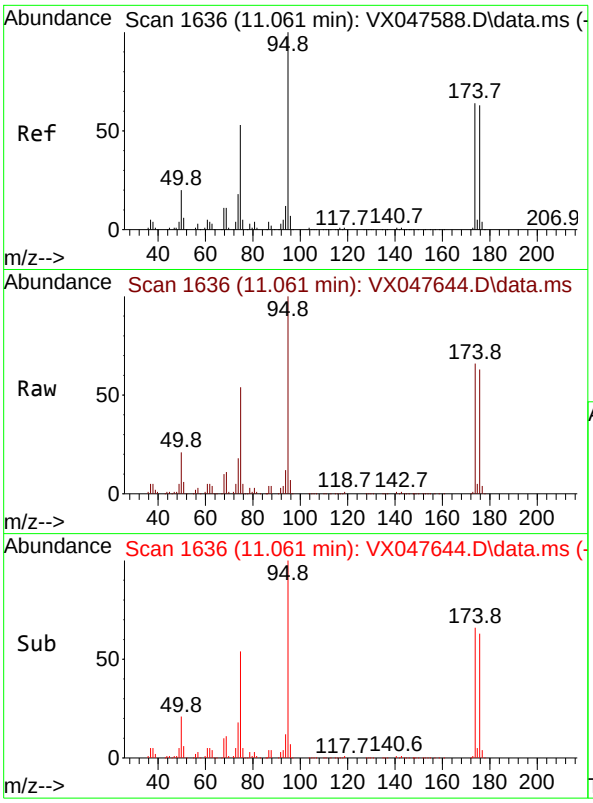


#50
Toluene-d8
Concen: 53.539 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. 0.000 min
Lab File: VX047644.D
Acq: 18 Sep 2025 16:24

Tgt Ion: 98 Resp: 396517

Ion	Ratio	Lower	Upper
98	100		
100	66.9	53.0	79.4



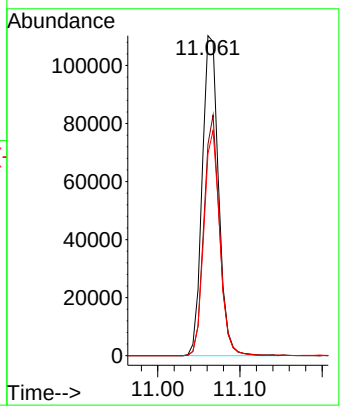


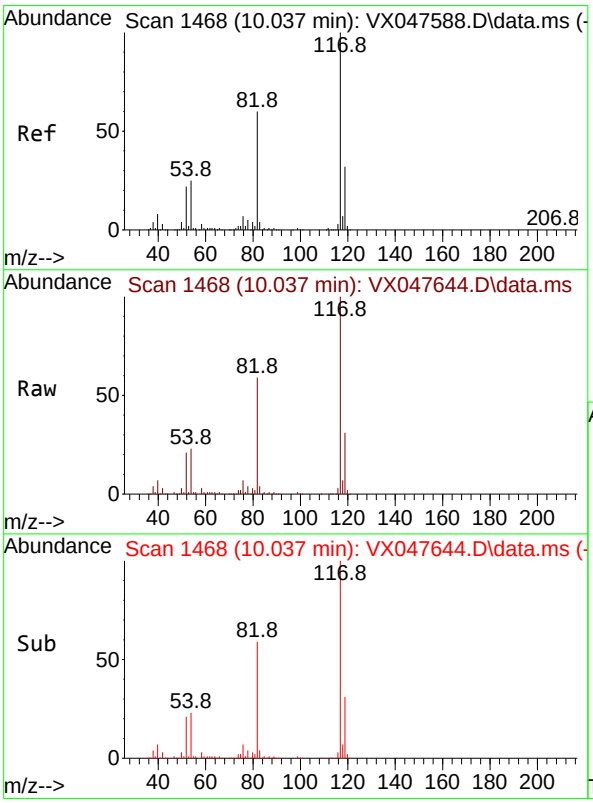
#62
4-Bromofluorobenzene
Concen: 54.183 ug/l
RT: 11.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047644.D
Acq: 18 Sep 2025 16:24

Instrument :
MSVOA_X
ClientSampleId :
RE126D3-20250909

Tgt Ion: 95 Resp: 152295

Ion	Ratio	Lower	Upper
95	100		
174	71.8	0.0	141.6
176	68.7	0.0	138.4

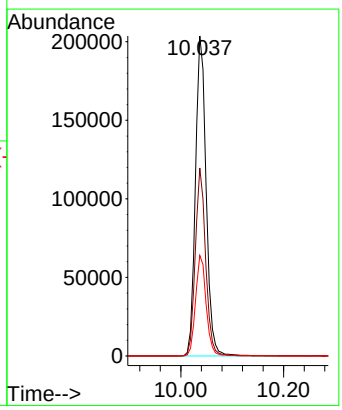


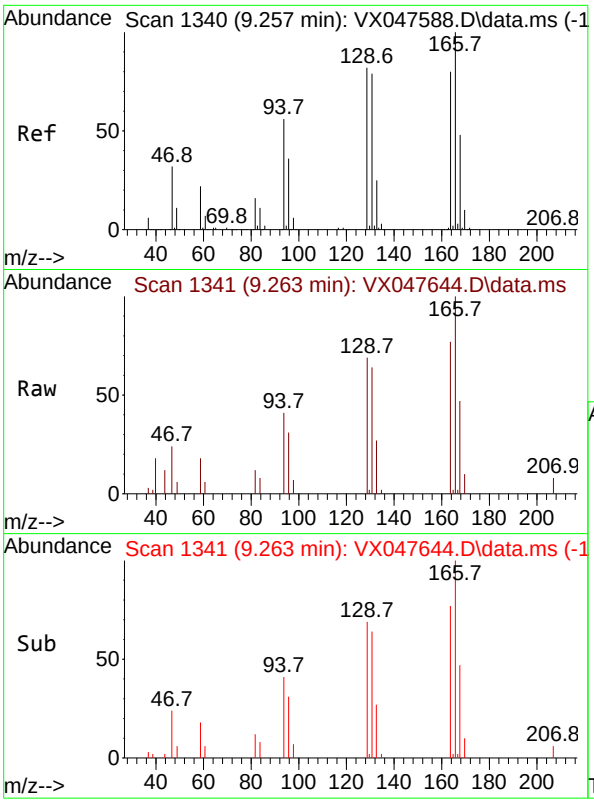


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. 0.000 min
Lab File: VX047644.D
Acq: 18 Sep 2025 16:24

Tgt Ion:117 Resp: 294532

Ion	Ratio	Lower	Upper
117	100		
82	58.7	47.8	71.6
119	31.4	25.2	37.8



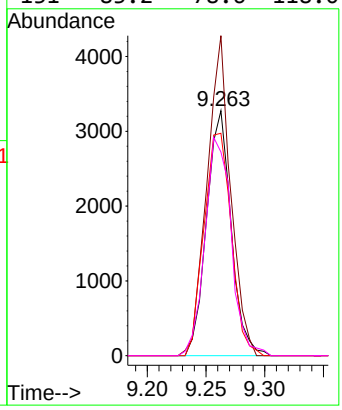


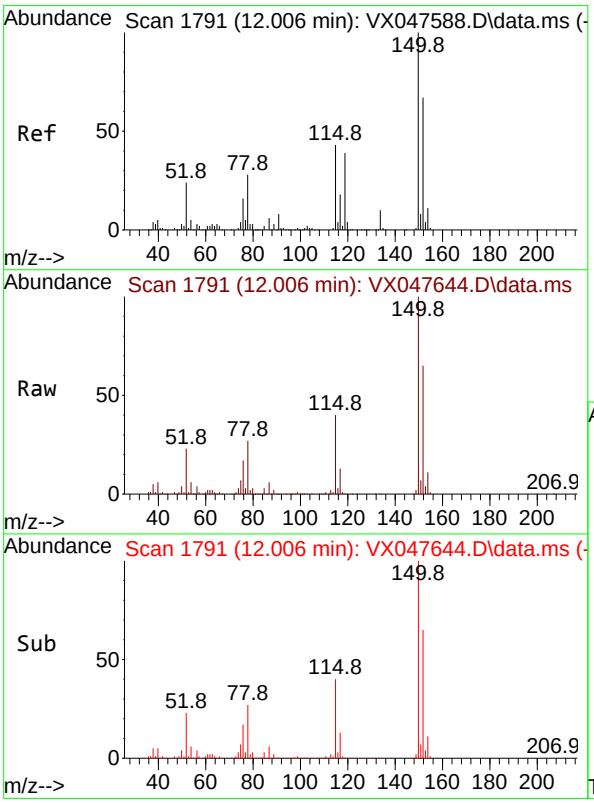
#64
Tetrachloroethene
Concen: 2.479 ug/l
RT: 9.263 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047644.D
Acq: 18 Sep 2025 16:24

Instrument :
MSVOA_X
ClientSampleId :
RE126D3-20250909

Tgt Ion:164 Resp: 4759

Ion	Ratio	Lower	Upper
164	100		
166	130.7	100.2	150.2
129	90.8	81.8	122.6
131	83.2	78.6	118.0

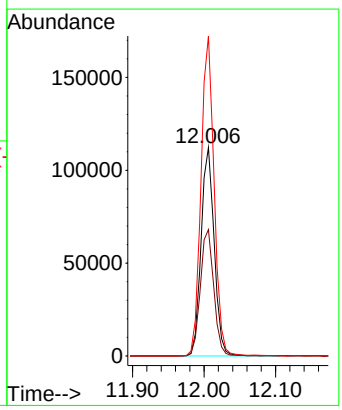




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX047644.D
Acq: 18 Sep 2025 16:24

Tgt Ion:152 Resp: 143114

Ion	Ratio	Lower	Upper
152	100		
115	62.0	44.9	134.5
150	153.7	0.0	352.0



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:	09/10/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/12/25
Client Sample ID:	MW178S-20250910	SDG No.:	Q3095
Lab Sample ID:	Q3095-20	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047645.D	1	09/18/25 16:45	VX091825

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	2.50	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	1.50		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	UQ	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:	09/10/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/12/25
Client Sample ID:	MW178S-20250910	SDG No.:	Q3095
Lab Sample ID:	Q3095-20	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047645.D	1	09/18/25 16:45	VX091825

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	0.26	J	0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.12	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.15	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	55.7		81 - 118		111%	SPK: 50
1868-53-7	Dibromofluoromethane	51.4		80 - 119		103%	SPK: 50
2037-26-5	Toluene-d8	52.2		89 - 112		104%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.6		85 - 114		107%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	186000	5.544				
540-36-3	1,4-Difluorobenzene	348000	6.751				
3114-55-4	Chlorobenzene-d5	319000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	154000	12.006				

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:	09/10/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/12/25
Client Sample ID:	MW178S-20250910	SDG No.:	Q3095
Lab Sample ID:	Q3095-20	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047645.D	1	09/18/25 16:45	VX091825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091825\
Data File : VX047645.D
Acq On : 18 Sep 2025 16:45
Operator : JC/MD
Sample : Q3095-20
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW178S-20250910

Quant Time: Sep 19 01:33:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

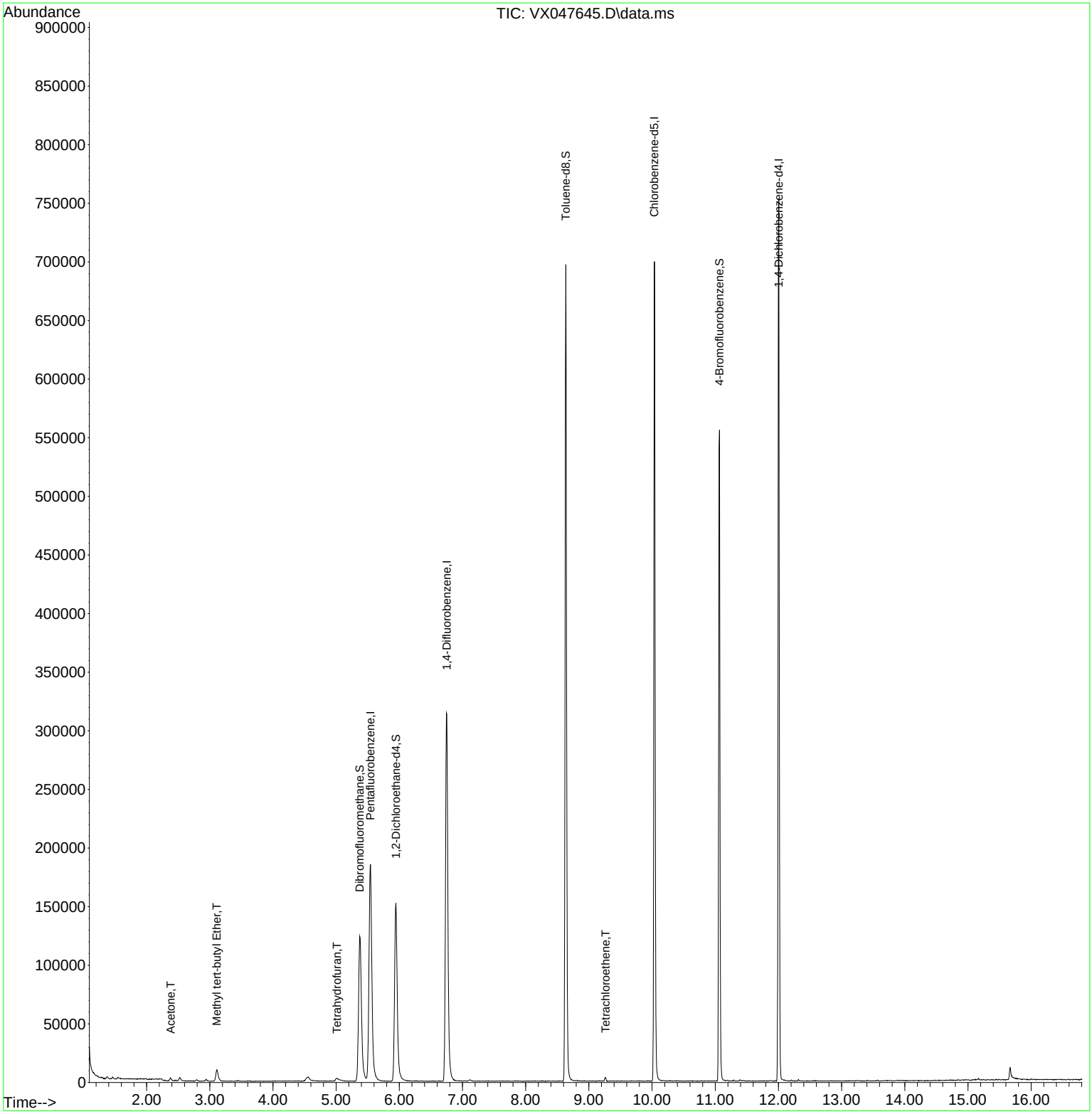
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	186001	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	348431	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	318544	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	154032	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	165011	55.734	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 111.460%			
35) Dibromofluoromethane	5.373	113	120040	51.370	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.740%			
50) Toluene-d8	8.635	98	421961	52.186	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 104.380%			
62) 4-Bromofluorobenzene	11.067	95	164626	53.647	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 107.300%			
Target Compounds						Qvalue
16) Acetone	2.380	43	3198	2.484	ug/l	90
19) Methyl tert-butyl Ether	3.111	73	11733	1.454	ug/l #	85
29) Tetrahydrofuran	5.013	42	2826	2.926	ug/l #	81
64) Tetrachloroethene	9.263	164	537	0.259	ug/l #	75

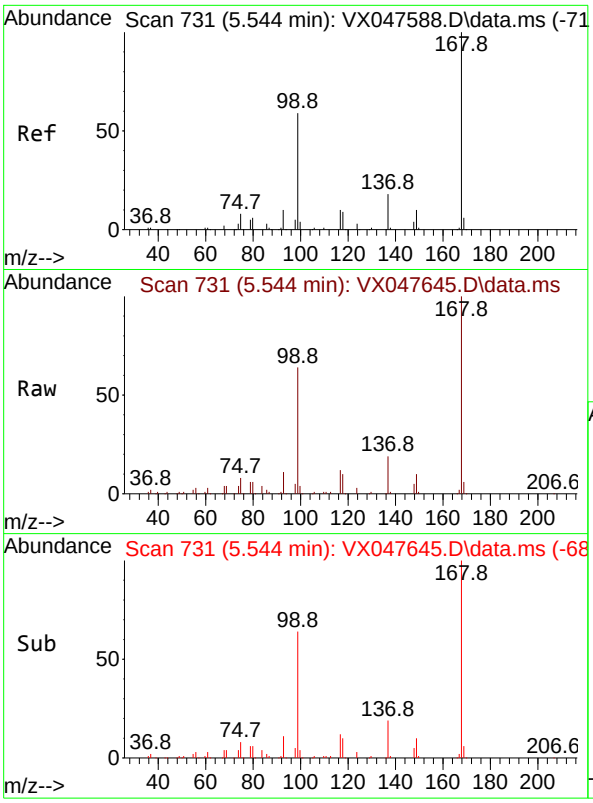
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091825\
Data File : VX047645.D
Acq On : 18 Sep 2025 16:45
Operator : JC/MD
Sample : Q3095-20
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW178S-20250910

Quant Time: Sep 19 01:33:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



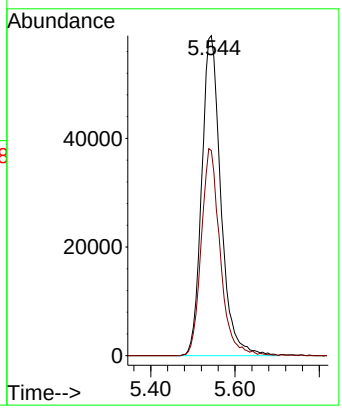


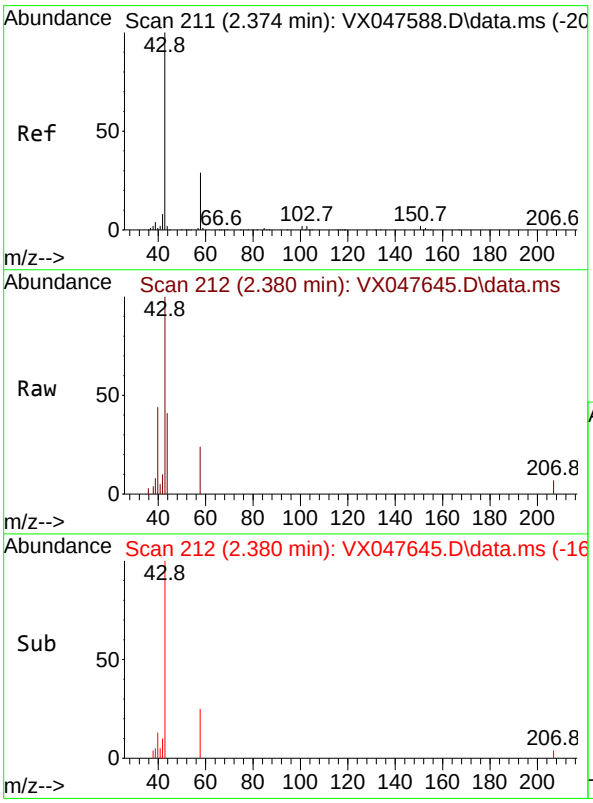
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047645.D
Acq: 18 Sep 2025 16:45

Instrument :
MSVOA_X
ClientSampleId :
MW178S-20250910

Tgt Ion:168 Resp: 186001

Ion	Ratio	Lower	Upper
168	100		
99	64.1	48.8	73.2

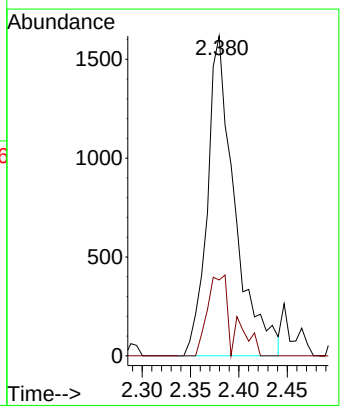


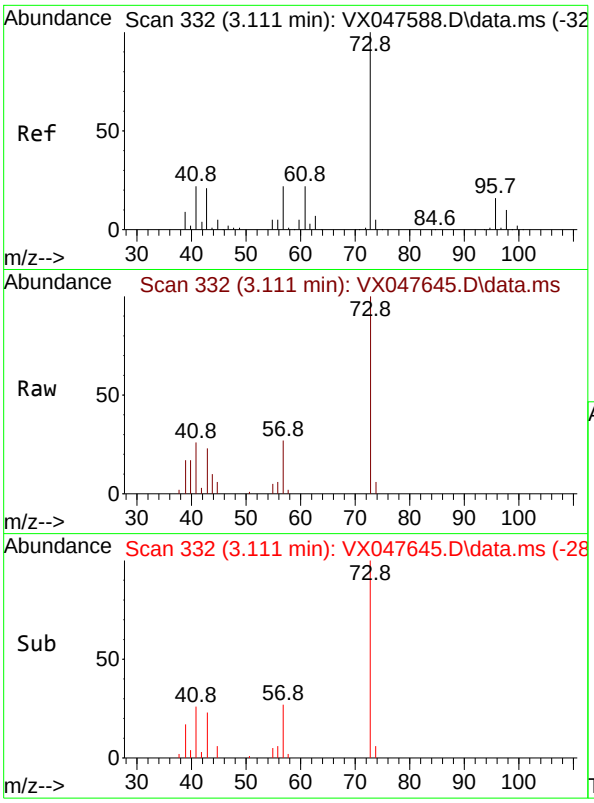


#16
Acetone
Concen: 2.484 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX047645.D
Acq: 18 Sep 2025 16:45

Tgt Ion: 43 Resp: 3198

Ion	Ratio	Lower	Upper
43	100		
58	23.7	23.4	35.0



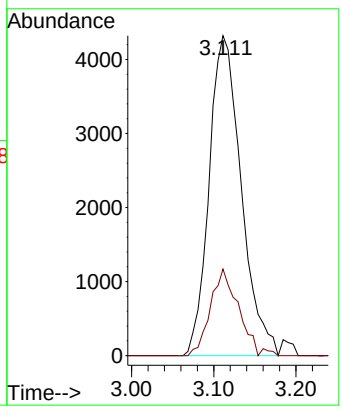


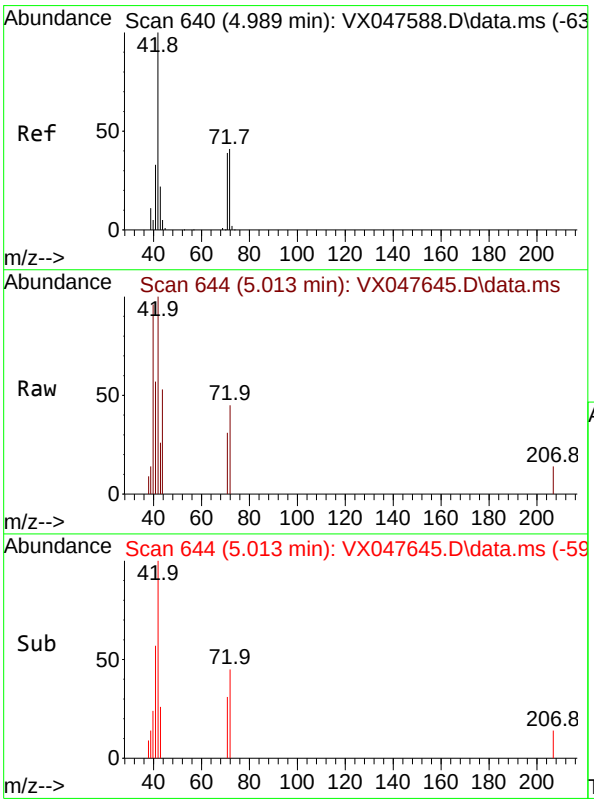
#19
Methyl tert-butyl Ether
Concen: 1.454 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047645.D
Acq: 18 Sep 2025 16:45

Instrument :
MSVOA_X
ClientSampleId :
MW178S-20250910

Tgt Ion: 73 Resp: 11733

Ion	Ratio	Lower	Upper
73	100		
57	28.7	17.4	26.2#

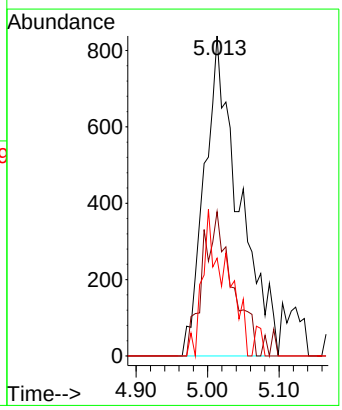


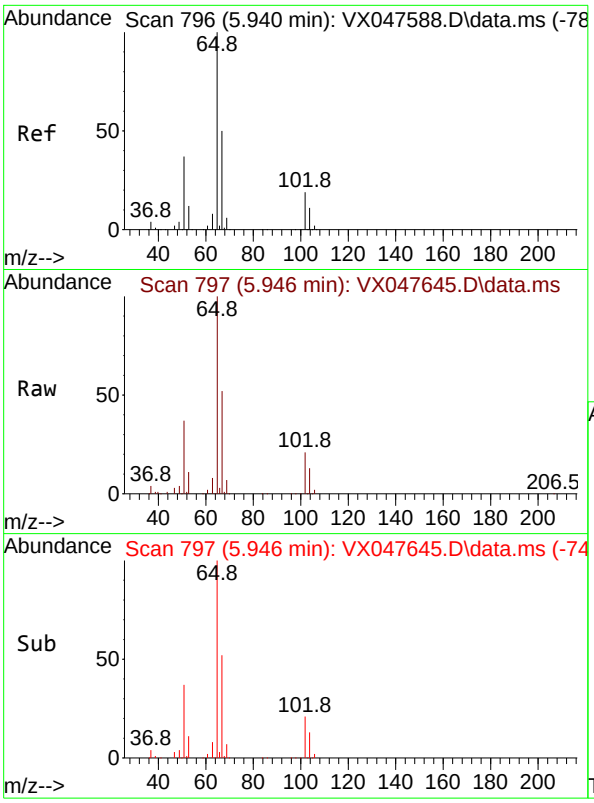


#29
Tetrahydrofuran
Concen: 2.926 ug/l
RT: 5.013 min Scan# 644
Delta R.T. 0.024 min
Lab File: VX047645.D
Acq: 18 Sep 2025 16:45

Tgt Ion: 42 Resp: 2826

Ion	Ratio	Lower	Upper
42	100		
72	38.4	34.2	51.2
71	19.6	31.9	47.9#



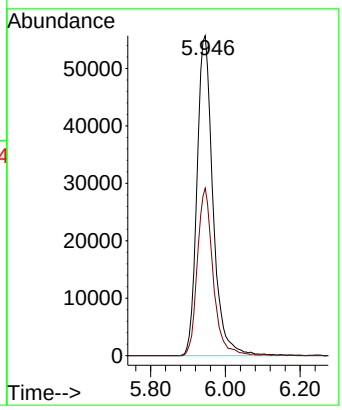


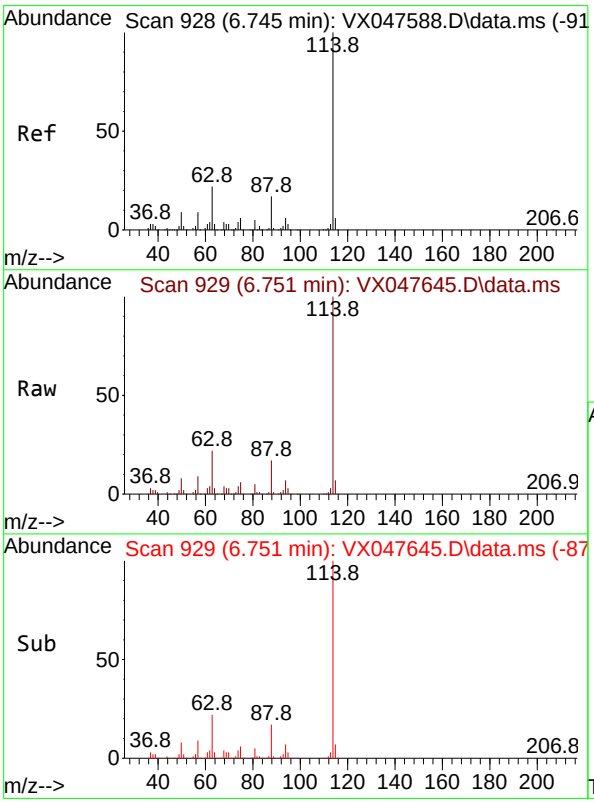
#33
1,2-Dichloroethane-d4
Concen: 55.734 ug/l
RT: 5.946 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047645.D
Acq: 18 Sep 2025 16:45

Instrument :
MSVOA_X
ClientSampleId :
MW178S-20250910

Tgt Ion: 65 Resp: 165011

Ion	Ratio	Lower	Upper
65	100		
67	51.6	0.0	103.0

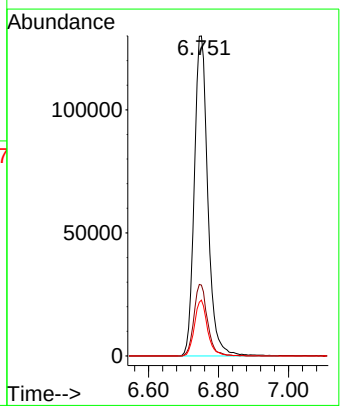


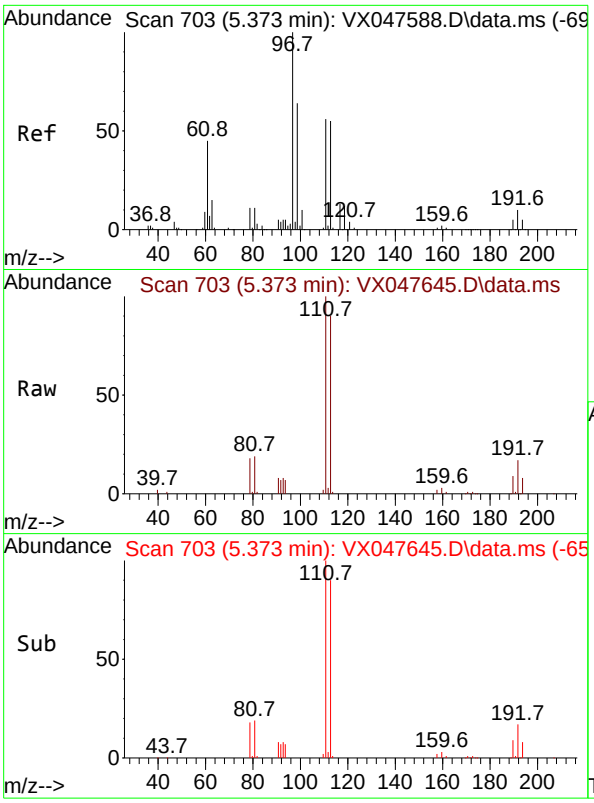


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 929
Delta R.T. 0.006 min
Lab File: VX047645.D
Acq: 18 Sep 2025 16:45

Tgt Ion:114 Resp: 348431

Ion	Ratio	Lower	Upper
114	100		
63	22.2	0.0	44.0
88	17.5	0.0	34.2



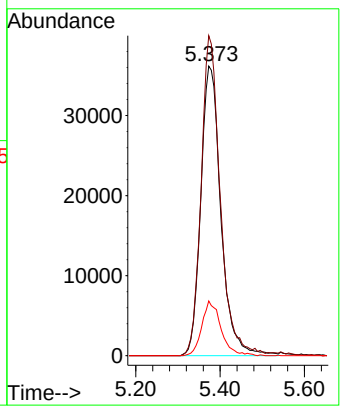


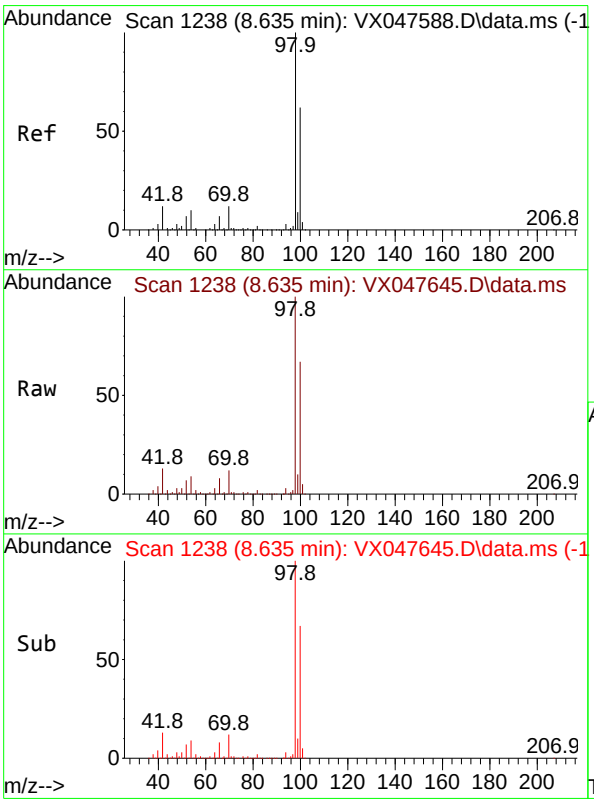
#35
Dibromofluoromethane
Concen: 51.370 ug/l
RT: 5.373 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047645.D
Acq: 18 Sep 2025 16:45

Instrument :
MSVOA_X
ClientSampleId :
MW178S-20250910

Tgt Ion:113 Resp: 120040

Ion	Ratio	Lower	Upper
113	100		
111	105.2	80.9	121.3
192	18.0	14.2	21.4

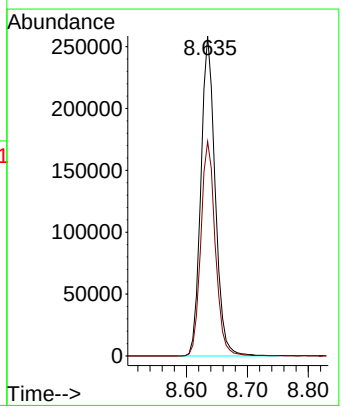


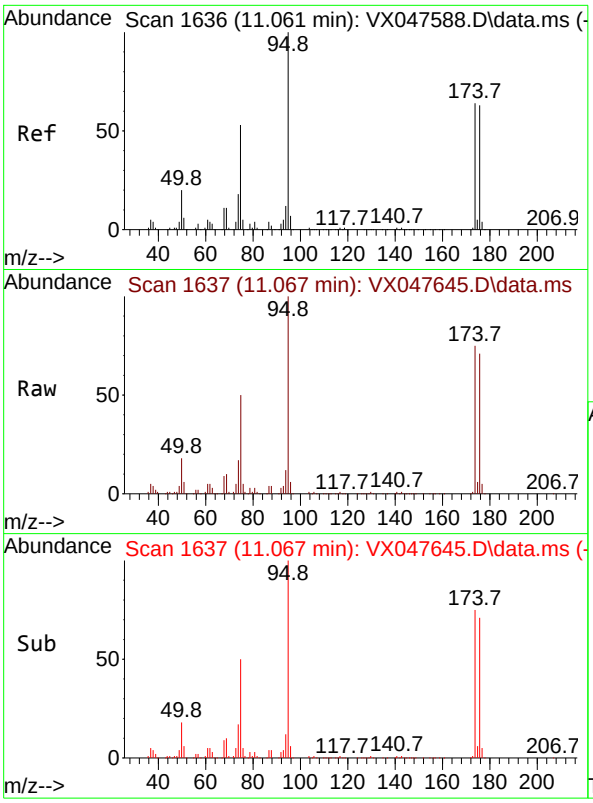


#50
Toluene-d8
Concen: 52.186 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX047645.D
Acq: 18 Sep 2025 16:45

Tgt Ion: 98 Resp: 421961

Ion	Ratio	Lower	Upper
98	100		
100	68.0	53.0	79.4



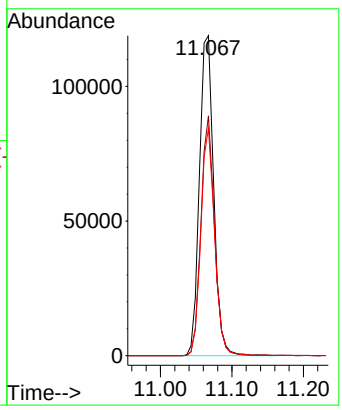


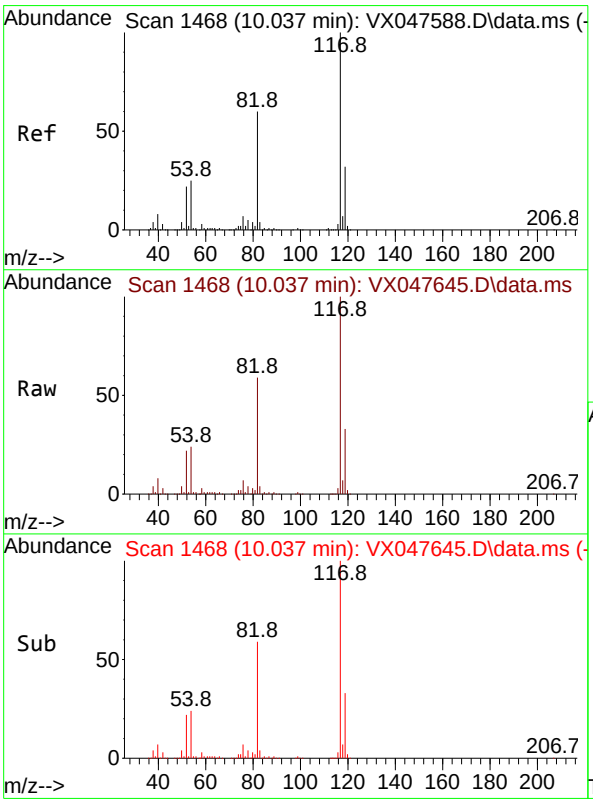
#62
4-Bromofluorobenzene
Concen: 53.647 ug/l
RT: 11.067 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047645.D
Acq: 18 Sep 2025 16:45

Instrument :
MSVOA_X
ClientSampleId :
MW178S-20250910

Tgt Ion: 95 Resp: 164626

Ion	Ratio	Lower	Upper
95	100		
174	71.4	0.0	141.6
176	68.4	0.0	138.4

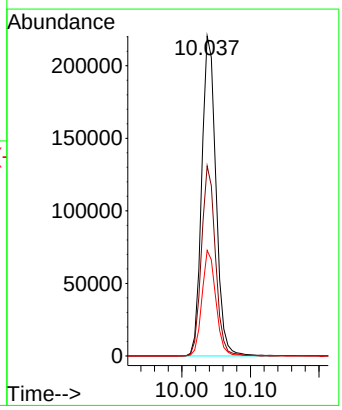


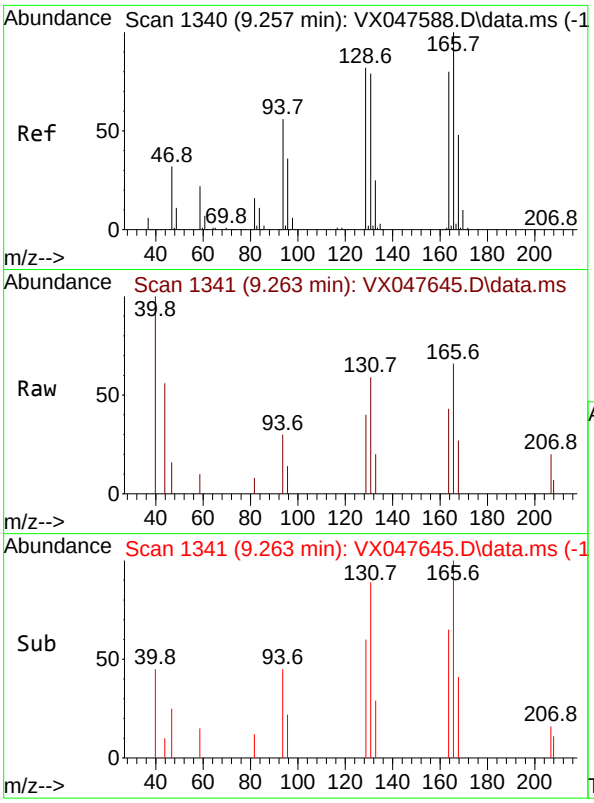


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX047645.D
Acq: 18 Sep 2025 16:45

Tgt Ion:117 Resp: 318544

Ion	Ratio	Lower	Upper
117	100		
82	59.4	47.8	71.6
119	33.0	25.2	37.8



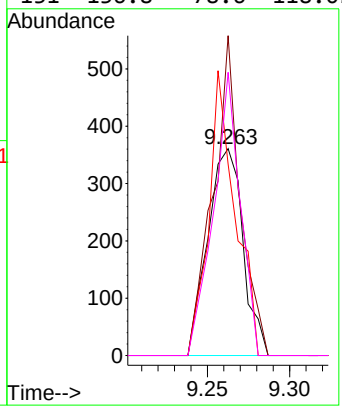


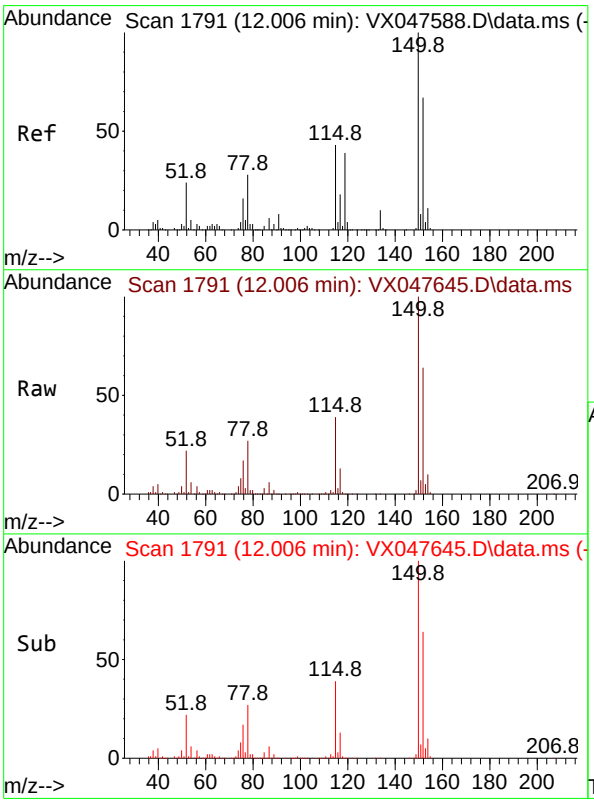
#64
Tetrachloroethene
Concen: 0.259 ug/l
RT: 9.263 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047645.D
Acq: 18 Sep 2025 16:45

Instrument :
MSVOA_X
ClientSampleId :
MW178S-20250910

Tgt Ion:164 Resp: 537

Ion	Ratio	Lower	Upper
164	100		
166	154.6	100.2	150.2#
129	92.5	81.8	122.6
131	136.8	78.6	118.0#

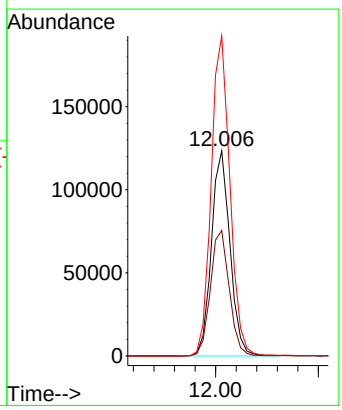




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047645.D
Acq: 18 Sep 2025 16:45

Tgt Ion:152 Resp: 154032

Ion	Ratio	Lower	Upper
152	100		
115	62.5	44.9	134.5
150	158.4	0.0	352.0



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:	09/10/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/12/25
Client Sample ID:	RE126D1-20250910	SDG No.:	Q3095
Lab Sample ID:	Q3095-21	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047624.D	1	09/17/25 17:16	VX091725

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	12.9		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:	09/10/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/12/25
Client Sample ID:	RE126D1-20250910	SDG No.:	Q3095
Lab Sample ID:	Q3095-21	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047624.D	1	09/17/25 17:16	VX091725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	1.10		0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.12	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.15	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	51.5		81 - 118		103%	SPK: 50
1868-53-7	Dibromofluoromethane	48.9		80 - 119		98%	SPK: 50
2037-26-5	Toluene-d8	48.7		89 - 112		97%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.5		85 - 114		99%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	179000	5.543				
540-36-3	1,4-Difluorobenzene	332000	6.751				
3114-55-4	Chlorobenzene-d5	304000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	145000	12.006				

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:	09/10/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/12/25
Client Sample ID:	RE126D1-20250910	SDG No.:	Q3095
Lab Sample ID:	Q3095-21	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047624.D	1	09/17/25 17:16	VX091725

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\VX091725\
Data File : VX047624.D
Acq On : 17 Sep 2025 17:16
Operator : JC/MD
Sample : Q3095-21
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RE126D1-20250910

Quant Time: Sep 18 02:07:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

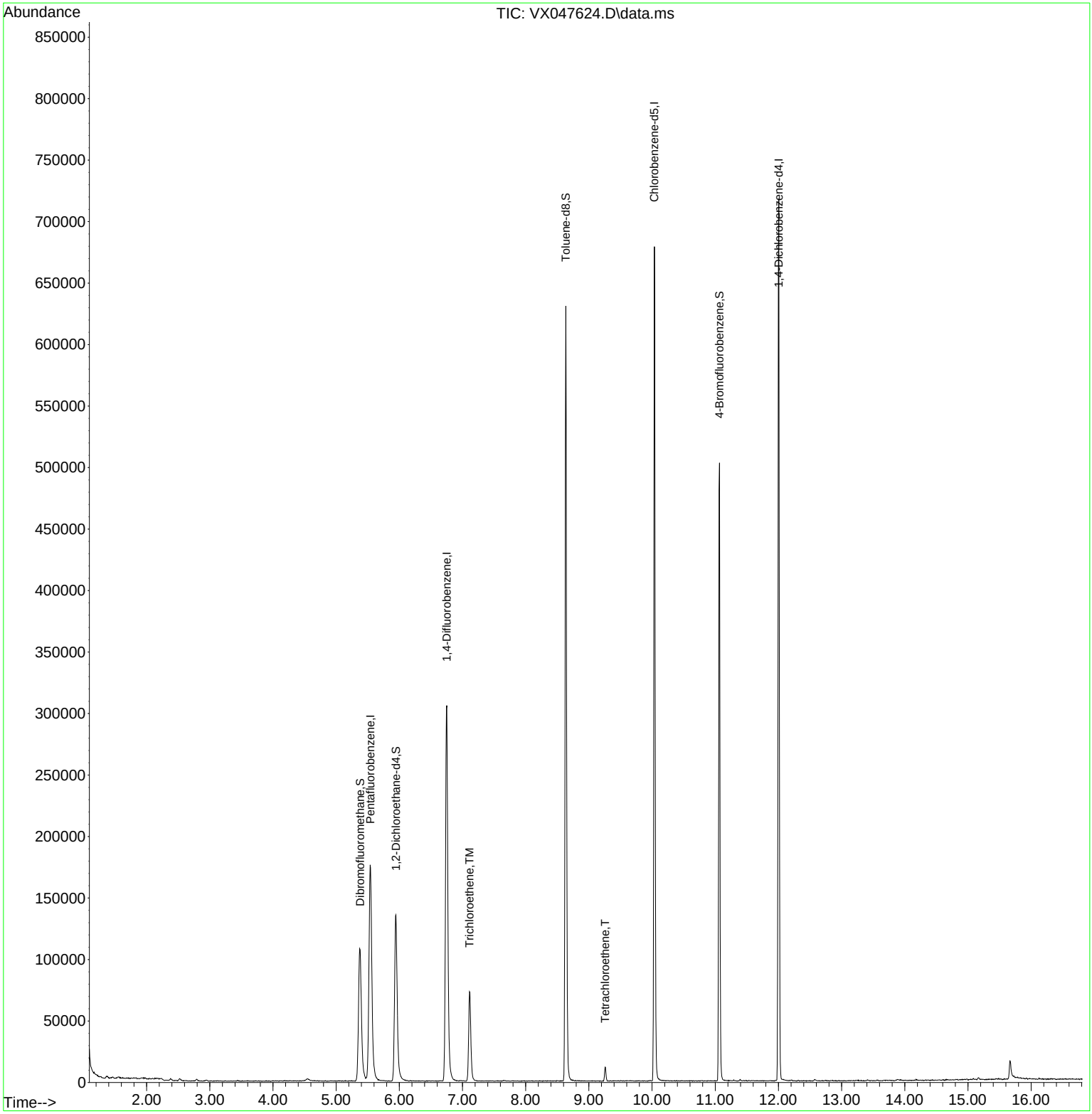
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.543	168	178815	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	331711	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	303773	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	145228	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	146658	51.526	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 103.060%			
35) Dibromofluoromethane	5.379	113	108715	48.869	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.740%			
50) Toluene-d8	8.634	98	374888	48.701	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 97.400%			
62) 4-Bromofluorobenzene	11.067	95	144718	49.537	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 99.080%			
Target Compounds						Qvalue
44) Trichloroethene	7.110	130	30850	12.924	ug/l	99
64) Tetrachloroethene	9.256	164	2234	1.128	ug/l	93

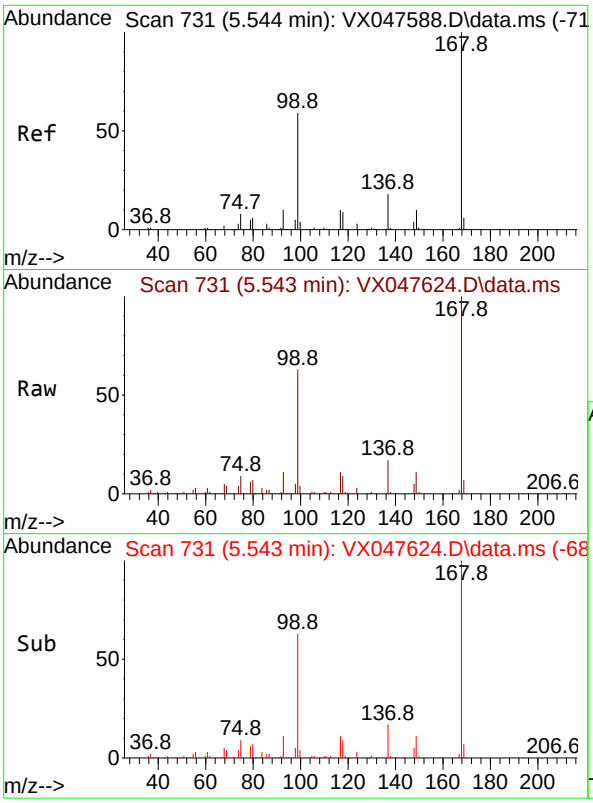
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091725\
Data File : VX047624.D
Acq On : 17 Sep 2025 17:16
Operator : JC/MD
Sample : Q3095-21
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RE126D1-20250910

Quant Time: Sep 18 02:07:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



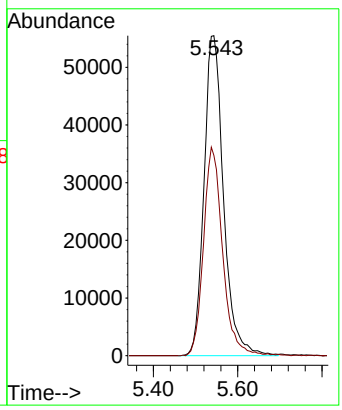


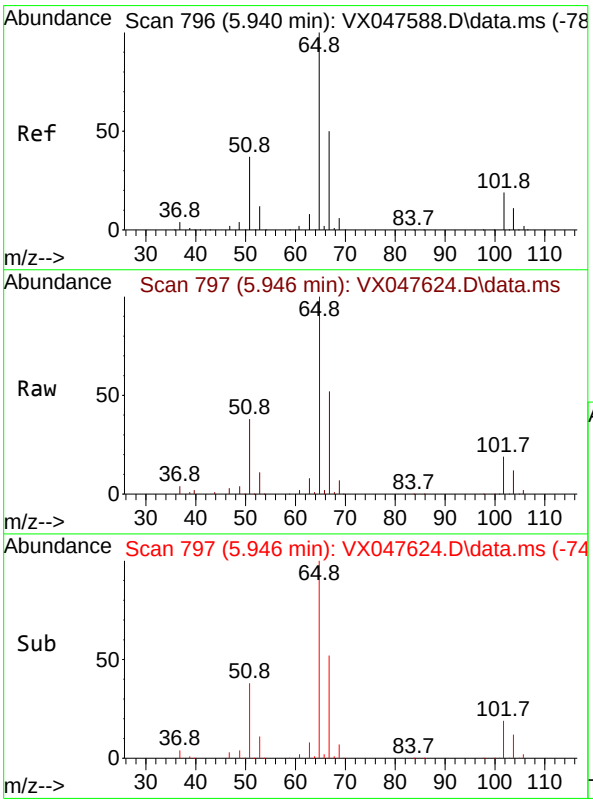
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.543 min Scan# 7
Delta R.T. -0.001 min
Lab File: VX047624.D
Acq: 17 Sep 2025 17:16

Instrument :
MSVOA_X
ClientSampleId :
RE126D1-20250910

Tgt Ion:168 Resp: 178815

Ion	Ratio	Lower	Upper
168	100		
99	62.6	48.8	73.2

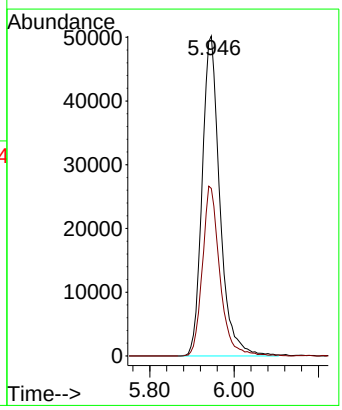


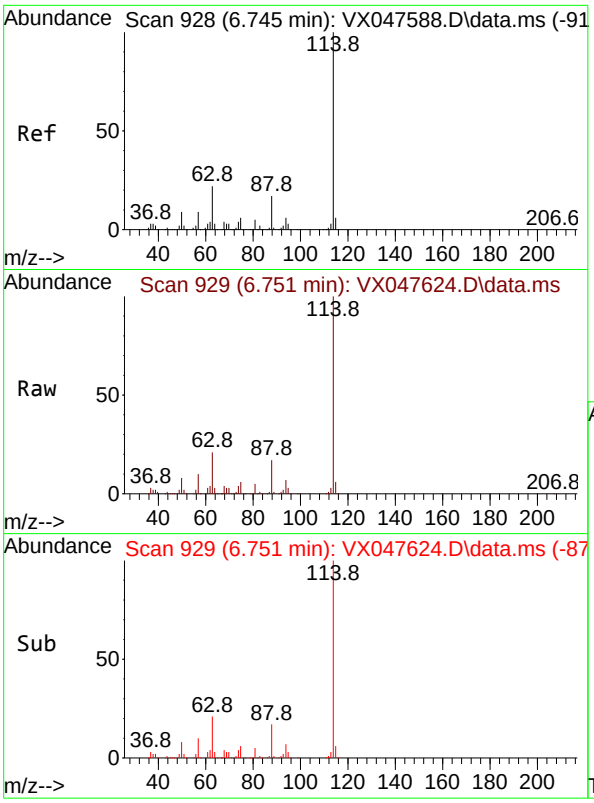


#33
1,2-Dichloroethane-d4
Concen: 51.526 ug/l
RT: 5.946 min Scan# 797
Delta R.T. 0.006 min
Lab File: VX047624.D
Acq: 17 Sep 2025 17:16

Tgt Ion: 65 Resp: 146658

Ion	Ratio	Lower	Upper
65	100		
67	52.3	0.0	103.0



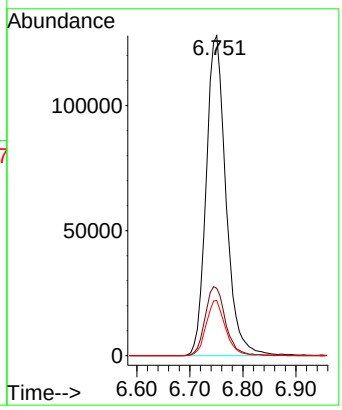


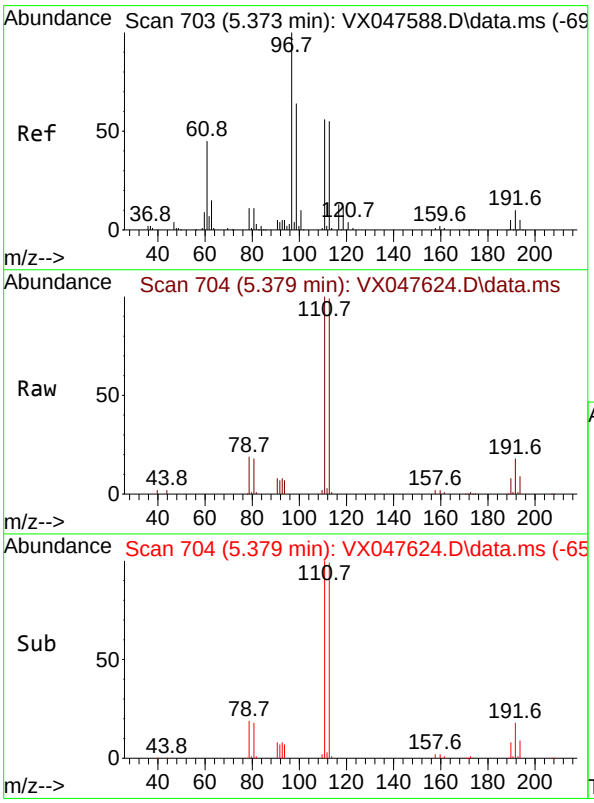
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 9
Delta R.T. 0.006 min
Lab File: VX047624.D
Acq: 17 Sep 2025 17:16

Instrument :
MSVOA_X
ClientSampleId :
RE126D1-20250910

Tgt Ion:114 Resp: 331711

Ion	Ratio	Lower	Upper
114	100		
63	21.0	0.0	44.0
88	17.2	0.0	34.2

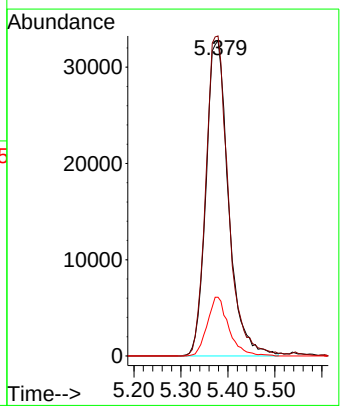


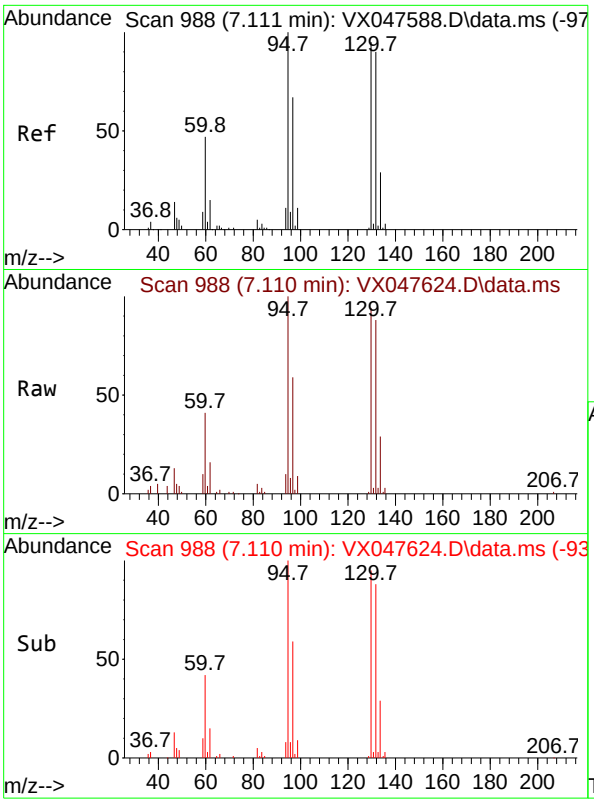


#35
Dibromofluoromethane
Concen: 48.869 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX047624.D
Acq: 17 Sep 2025 17:16

Tgt Ion:113 Resp: 108715

Ion	Ratio	Lower	Upper
113	100		
111	101.8	80.9	121.3
192	17.9	14.2	21.4



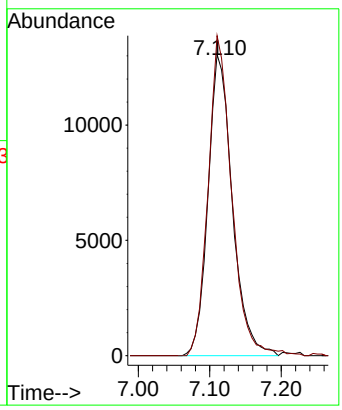


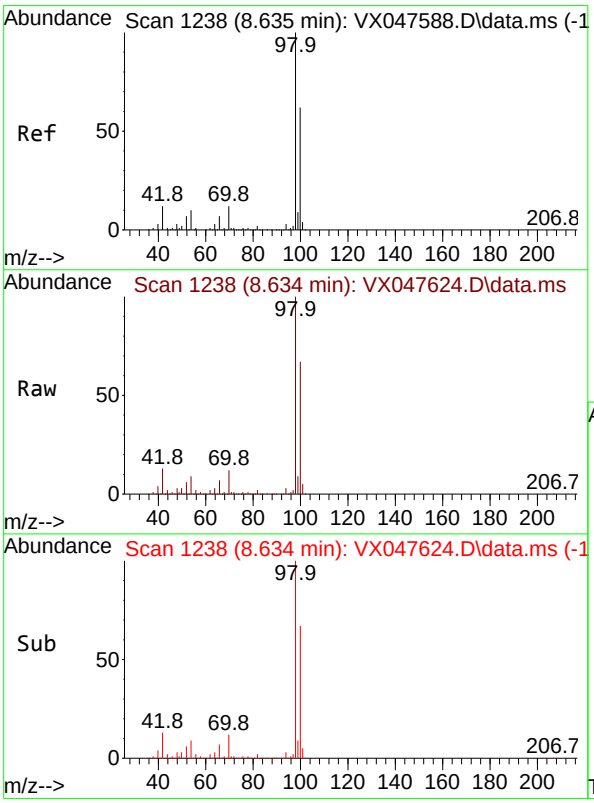
#44
Trichloroethene
Concen: 12.924 ug/l
RT: 7.110 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX047624.D
Acq: 17 Sep 2025 17:16

Instrument :
MSVOA_X
ClientSampleId :
RE126D1-20250910

Tgt Ion:130 Resp: 30850

Ion	Ratio	Lower	Upper
130	100		
95	106.2	0.0	210.8

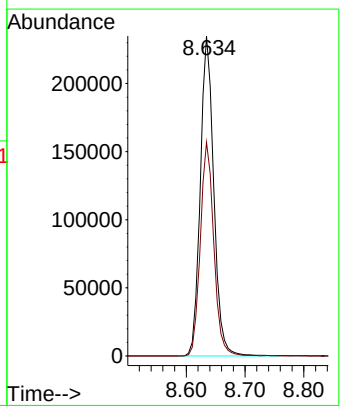


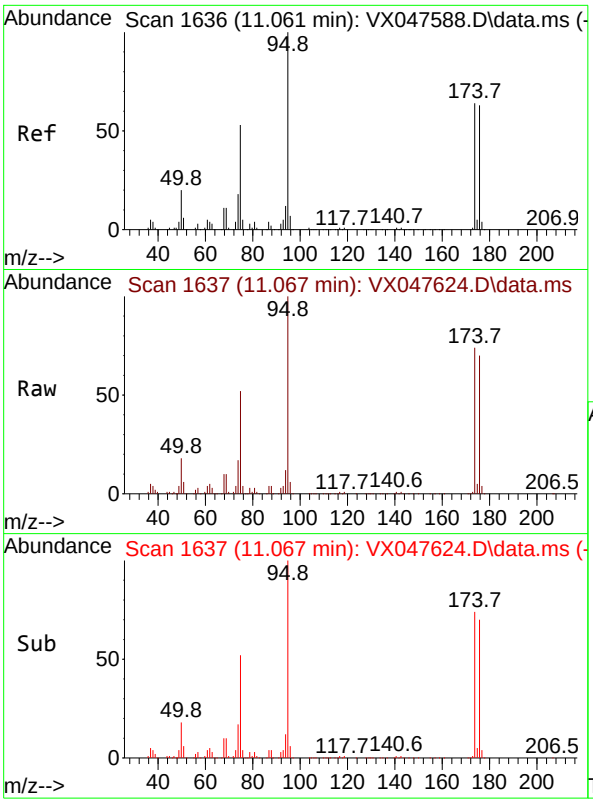


#50
Toluene-d8
Concen: 48.701 ug/l
RT: 8.634 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX047624.D
Acq: 17 Sep 2025 17:16

Tgt Ion: 98 Resp: 374888

Ion	Ratio	Lower	Upper
98	100		
100	66.7	53.0	79.4



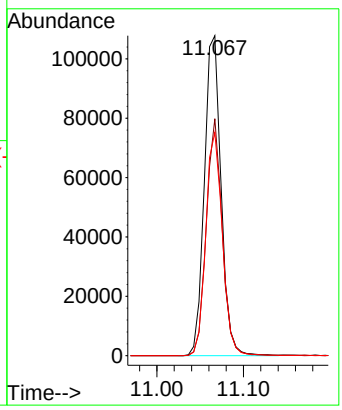


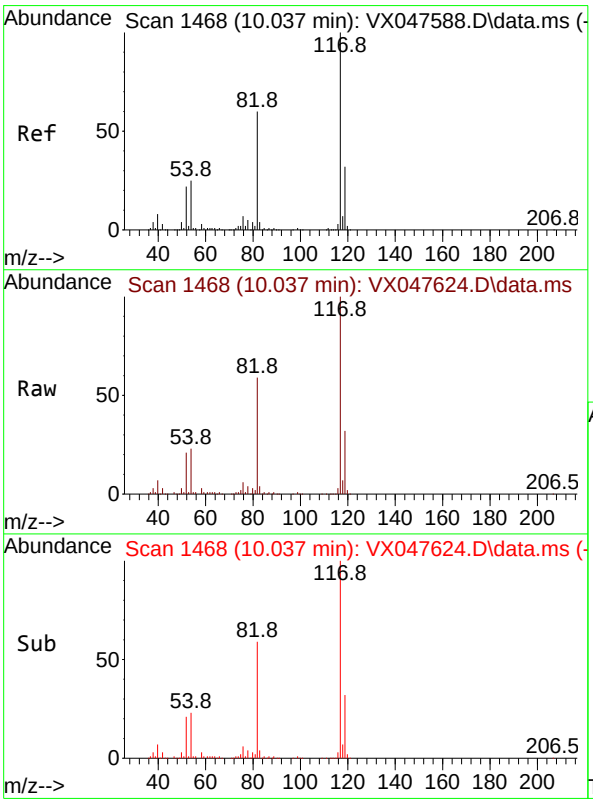
#62
4-Bromofluorobenzene
Concen: 49.537 ug/l
RT: 11.067 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047624.D
Acq: 17 Sep 2025 17:16

Instrument :
MSVOA_X
ClientSampleId :
RE126D1-20250910

Tgt Ion: 95 Resp: 144718

Ion	Ratio	Lower	Upper
95	100		
174	70.3	0.0	141.6
176	69.3	0.0	138.4

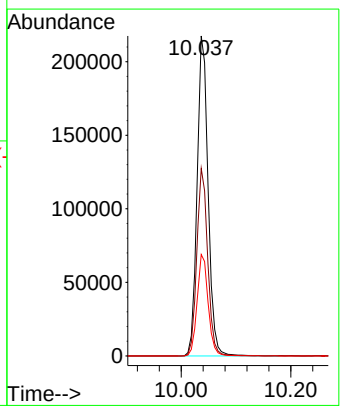


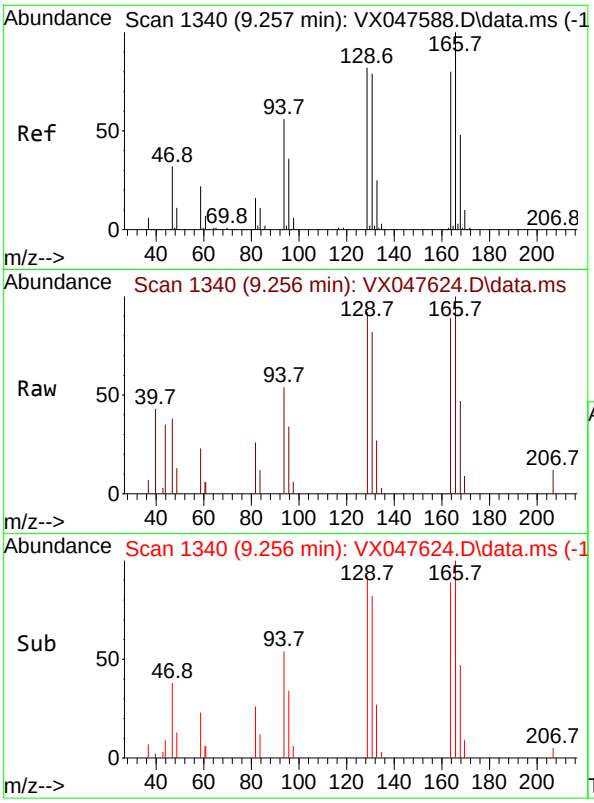


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX047624.D
Acq: 17 Sep 2025 17:16

Tgt Ion:117 Resp: 303773

Ion	Ratio	Lower	Upper
117	100		
82	58.6	47.8	71.6
119	31.7	25.2	37.8



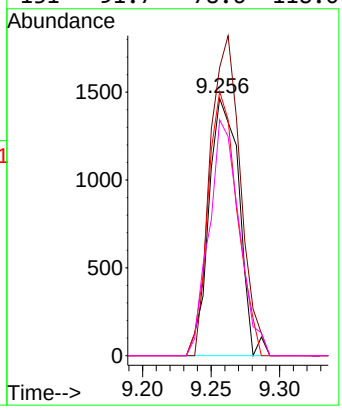


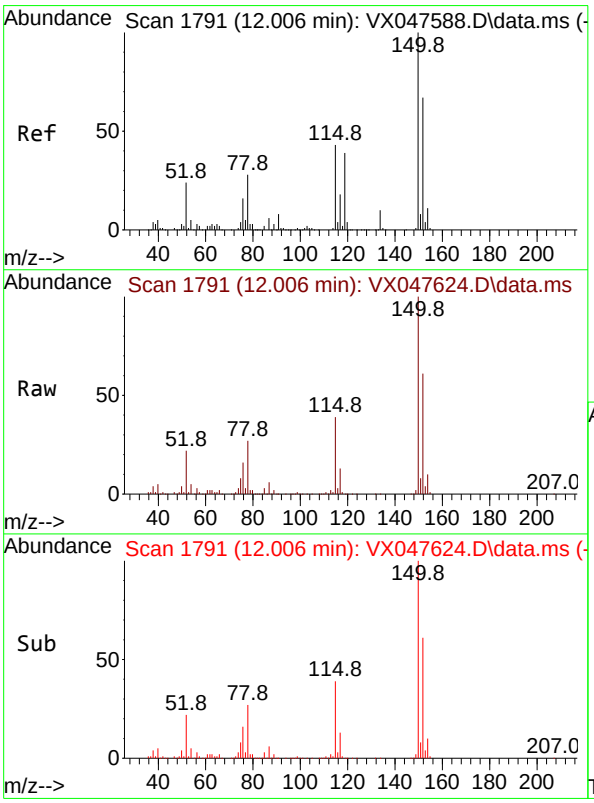
#64
Tetrachloroethene
Concen: 1.128 ug/l
RT: 9.256 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047624.D
Acq: 17 Sep 2025 17:16

Instrument :
MSVOA_X
ClientSampleId :
RE126D1-20250910

Tgt Ion:164 Resp: 2234

Ion	Ratio	Lower	Upper
164	100		
166	112.1	100.2	150.2
129	102.7	81.8	122.6
131	91.7	78.6	118.0

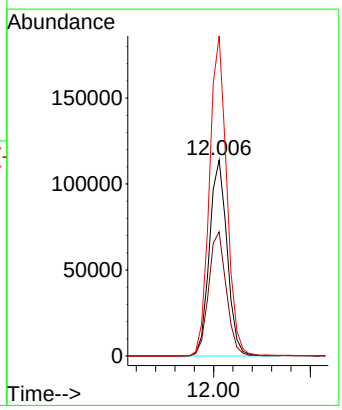




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047624.D
Acq: 17 Sep 2025 17:16

Tgt Ion:152 Resp: 145228

Ion	Ratio	Lower	Upper
152	100		
115	63.4	44.9	134.5
150	160.1	0.0	352.0



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:	09/10/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/12/25
Client Sample ID:	MW202D1-20250910	SDG No.:	Q3095
Lab Sample ID:	Q3095-22	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047625.D	1	09/17/25 17:37	VX091725

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	6.50		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	7.80		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	0.50	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:	09/10/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/12/25
Client Sample ID:	MW202D1-20250910	SDG No.:	Q3095
Lab Sample ID:	Q3095-22	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047625.D	1	09/17/25 17:37	VX091725

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	52.2		81 - 118		104%	SPK: 50
1868-53-7	Dibromofluoromethane	49.2		80 - 119		98%	SPK: 50
2037-26-5	Toluene-d8	49.3		89 - 112		99%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.3		85 - 114		101%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	179000	5.544				
540-36-3	1,4-Difluorobenzene	332000	6.751				
3114-55-4	Chlorobenzene-d5	297000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	143000	12.006				

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:	09/10/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/12/25
Client Sample ID:	MW202D1-20250910	SDG No.:	Q3095
Lab Sample ID:	Q3095-22	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047625.D	1	09/17/25 17:37	VX091725

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\VX091725\
Data File : VX047625.D
Acq On : 17 Sep 2025 17:37
Operator : JC/MD
Sample : Q3095-22
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW202D1-20250910

Quant Time: Sep 18 02:08:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

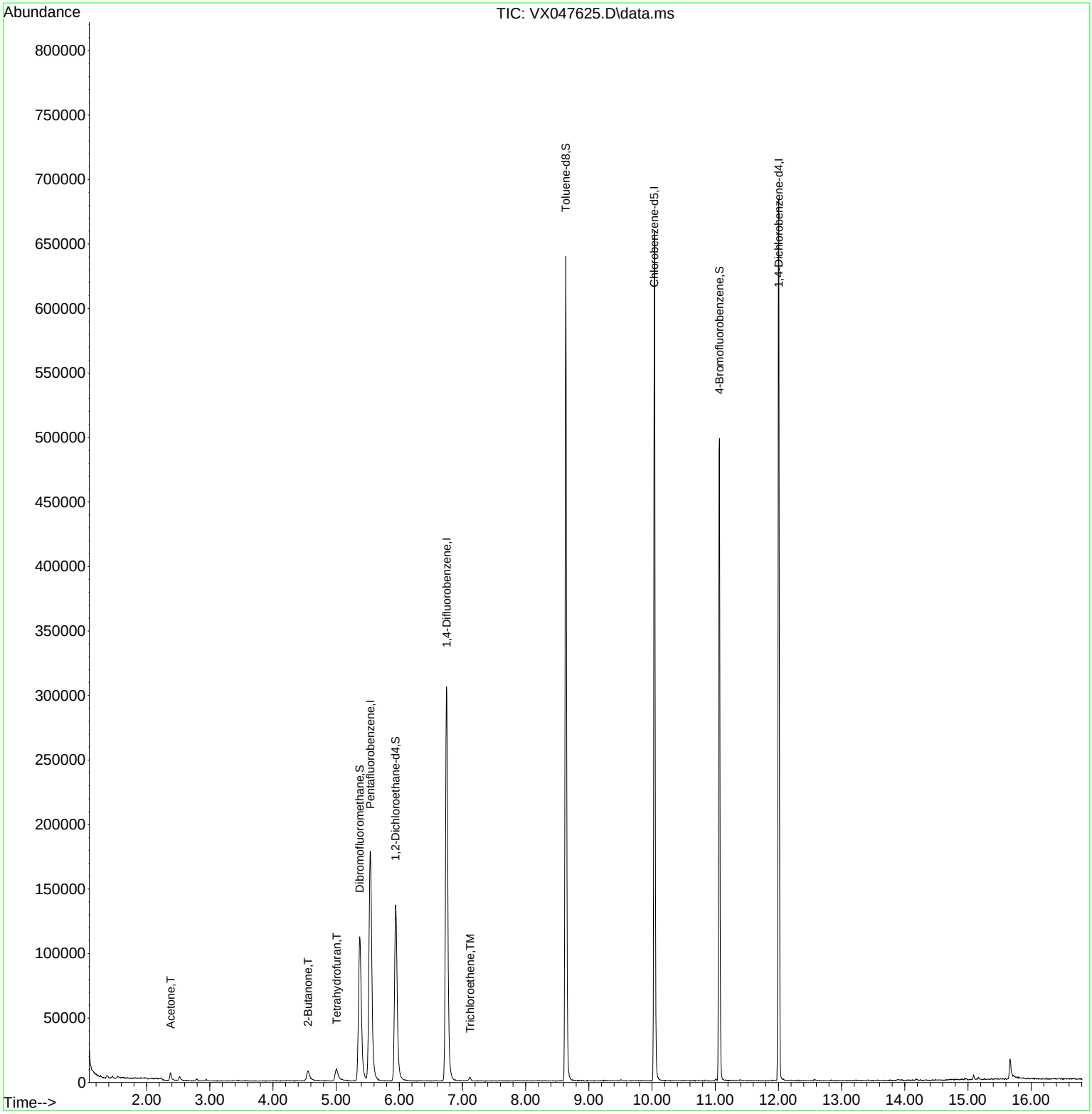
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	179253	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	332184	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	296569	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	143137	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	148841	52.165	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 104.340%			
35) Dibromofluoromethane	5.373	113	109582	49.188	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.380%			
50) Toluene-d8	8.635	98	379923	49.285	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 98.580%			
62) 4-Bromofluorobenzene	11.067	95	147118	50.287	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 100.580%			
Target Compounds						Qvalue
16) Acetone	2.380	43	8015	6.461	ug/l #	70
25) 2-Butanone	4.556	43	12142	7.846	ug/l #	90
29) Tetrahydrofuran	5.007	42	11097	11.920	ug/l	96
44) Trichloroethene	7.123	130	1205	0.504	ug/l	99

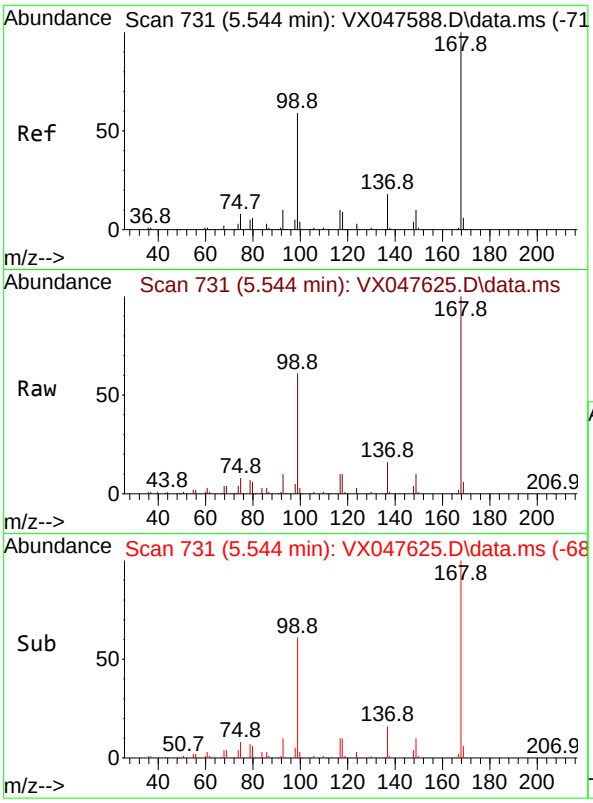
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091725\
Data File : VX047625.D
Acq On : 17 Sep 2025 17:37
Operator : JC/MD
Sample : Q3095-22
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW202D1-20250910

Quant Time: Sep 18 02:08:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



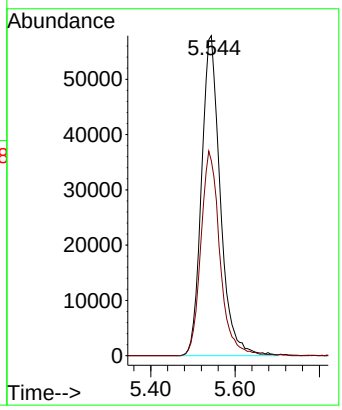


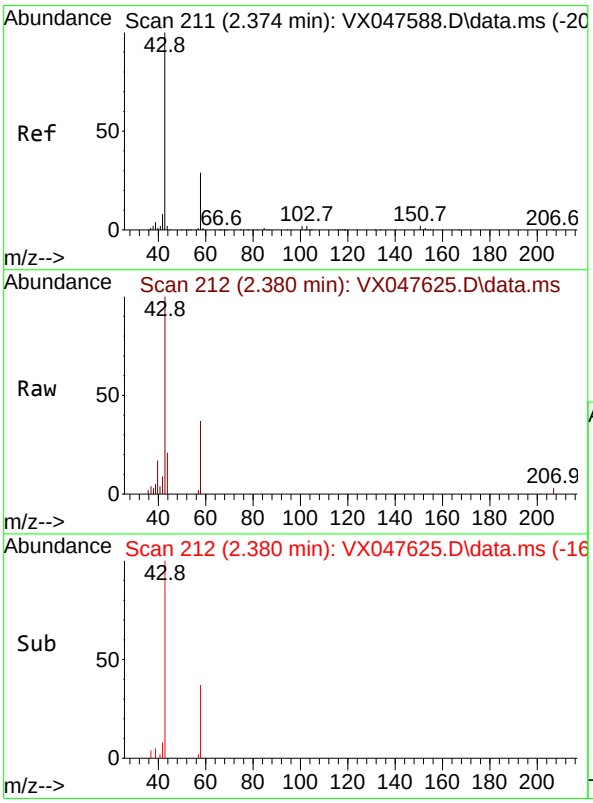
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047625.D
Acq: 17 Sep 2025 17:37

Instrument :
MSVOA_X
ClientSampleId :
MW202D1-20250910

Tgt Ion:168 Resp: 179253

Ion	Ratio	Lower	Upper
168	100		
99	60.9	48.8	73.2

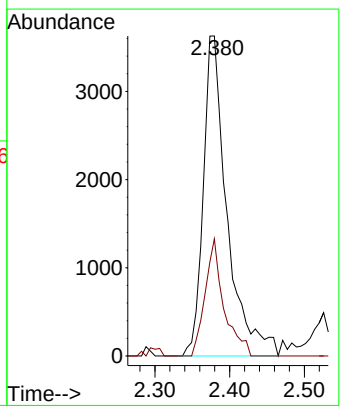


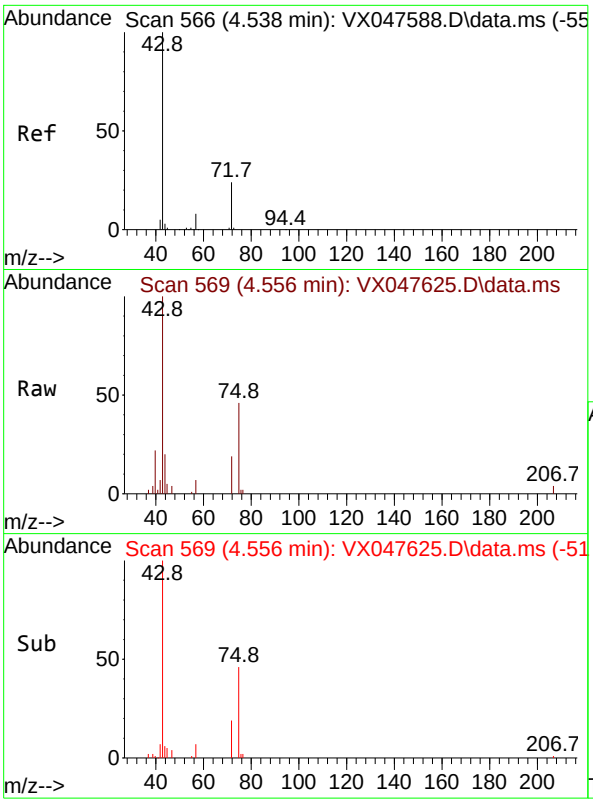


#16
Acetone
Concen: 6.461 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX047625.D
Acq: 17 Sep 2025 17:37

Tgt Ion: 43 Resp: 8015

Ion	Ratio	Lower	Upper
43	100		
58	45.1	23.4	35.0#



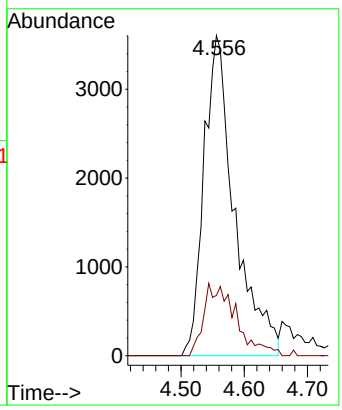


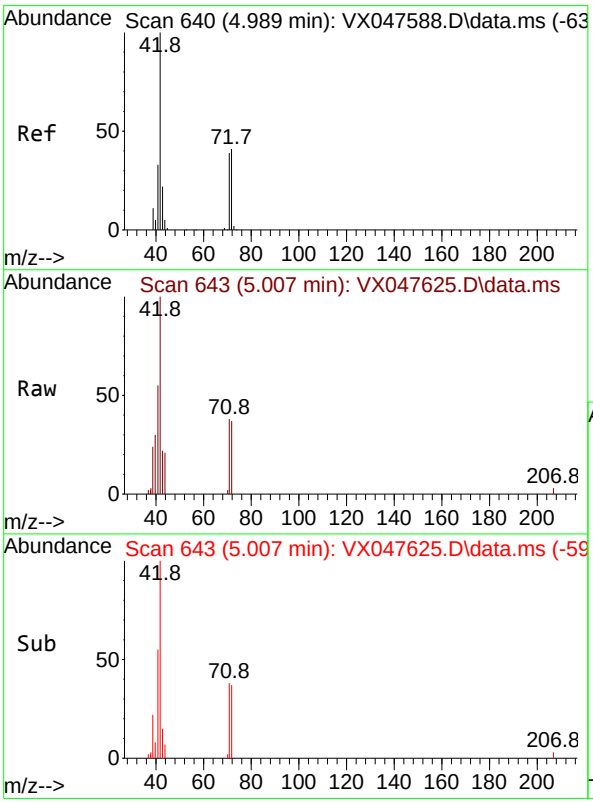
#25
2-Butanone
Concen: 7.846 ug/l
RT: 4.556 min Scan# 5
Delta R.T. 0.018 min
Lab File: VX047625.D
Acq: 17 Sep 2025 17:37

Instrument :
MSVOA_X
ClientSampleId :
MW202D1-20250910

Tgt Ion: 43 Resp: 12142

Ion	Ratio	Lower	Upper
43	100		
72	20.0	20.1	30.1#

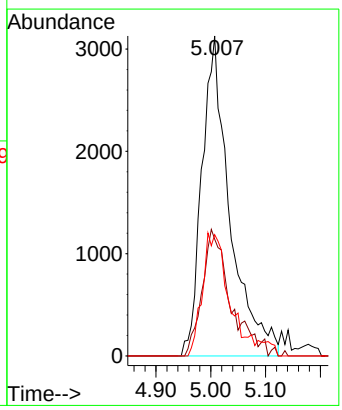


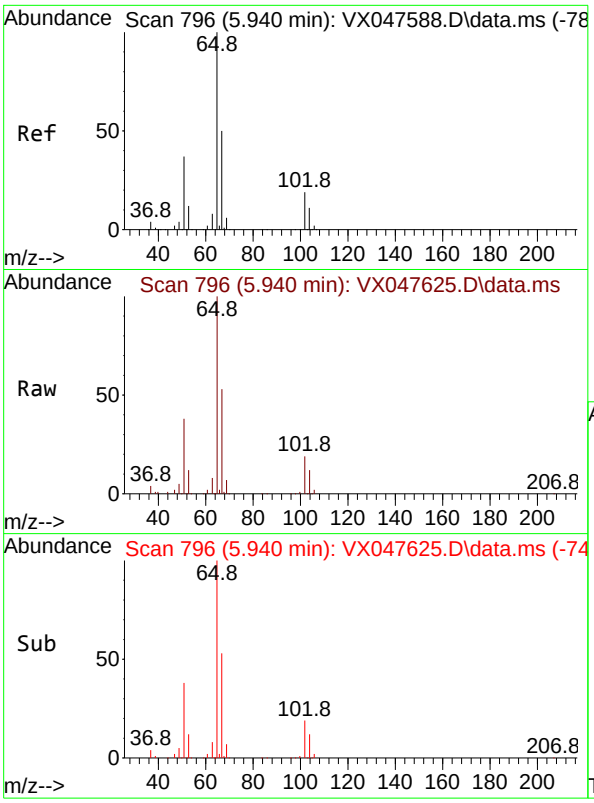


#29
Tetrahydrofuran
Concen: 11.920 ug/l
RT: 5.007 min Scan# 643
Delta R.T. 0.018 min
Lab File: VX047625.D
Acq: 17 Sep 2025 17:37

Tgt Ion: 42 Resp: 11097

Ion	Ratio	Lower	Upper
42	100		
72	39.9	34.2	51.2
71	37.1	31.9	47.9



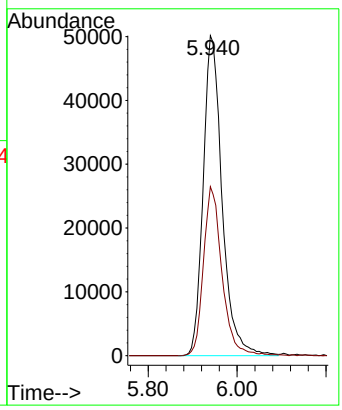


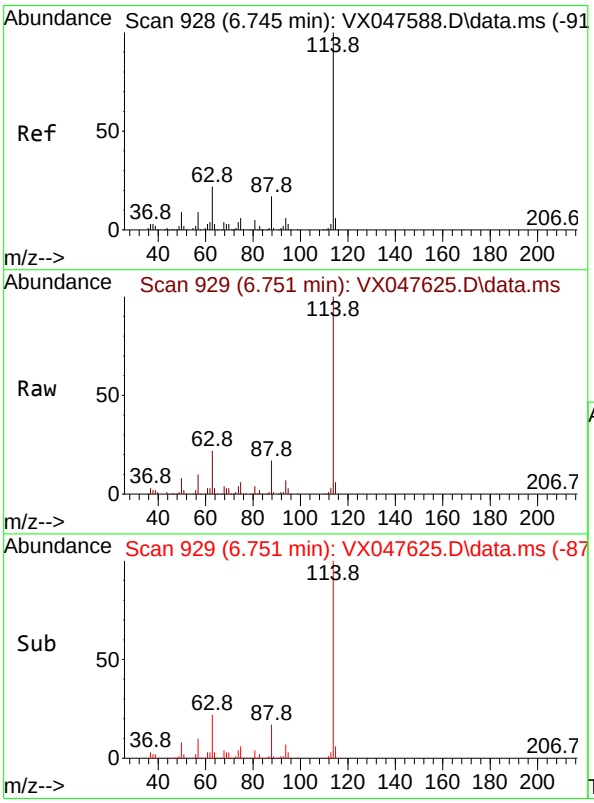
#33
1,2-Dichloroethane-d4
Concen: 52.165 ug/l
RT: 5.940 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047625.D
Acq: 17 Sep 2025 17:37

Instrument :
MSVOA_X
ClientSampleId :
MW202D1-20250910

Tgt Ion: 65 Resp: 148841

Ion	Ratio	Lower	Upper
65	100		
67	51.7	0.0	103.0

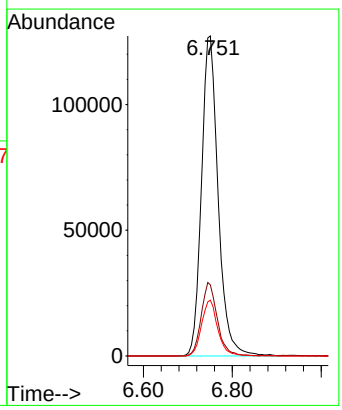


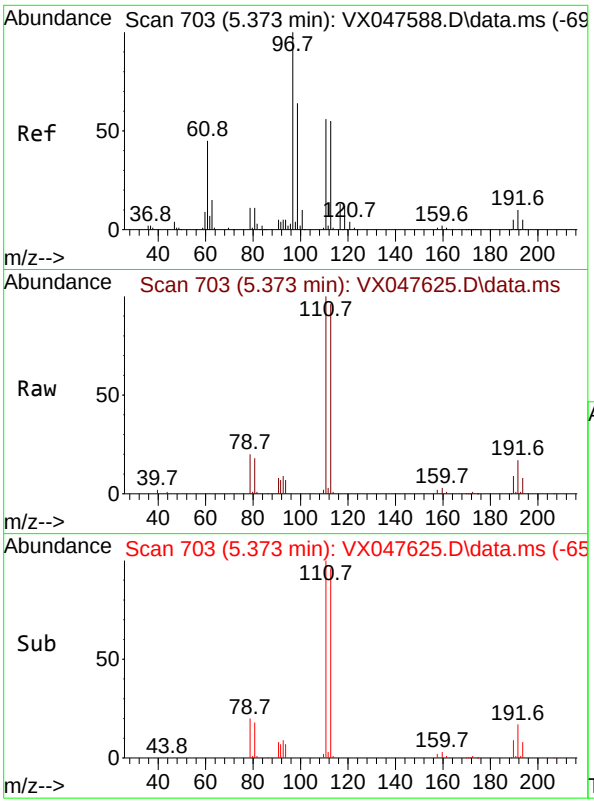


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 929
Delta R.T. 0.006 min
Lab File: VX047625.D
Acq: 17 Sep 2025 17:37

Tgt Ion:114 Resp: 332184

Ion	Ratio	Lower	Upper
114	100		
63	22.2	0.0	44.0
88	17.4	0.0	34.2



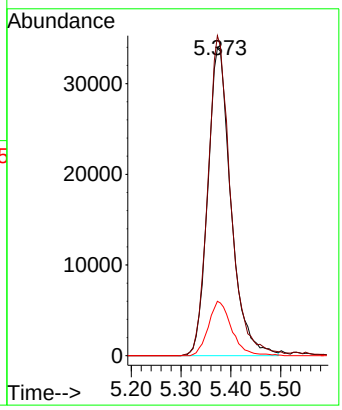


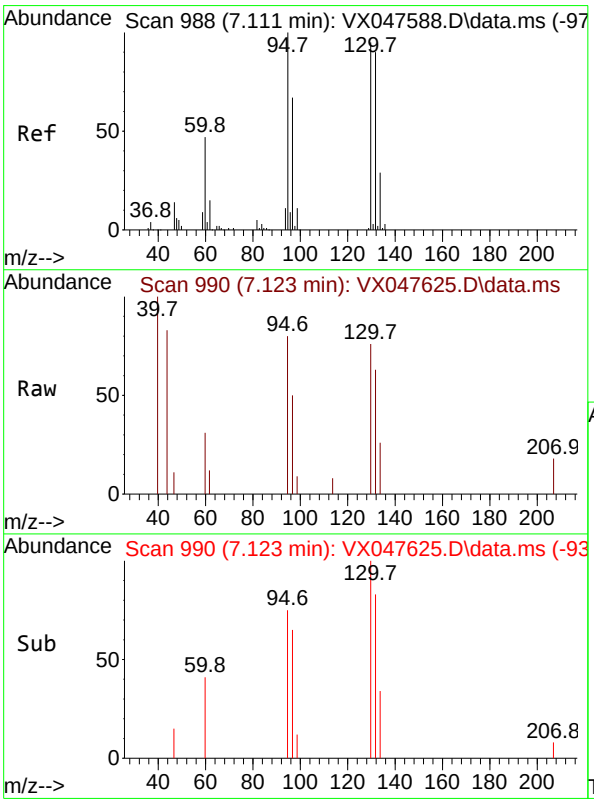
#35
Dibromofluoromethane
Concen: 49.188 ug/l
RT: 5.373 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047625.D
Acq: 17 Sep 2025 17:37

Instrument :
MSVOA_X
ClientSampleId :
MW202D1-20250910

Tgt Ion:113 Resp: 109582

Ion	Ratio	Lower	Upper
113	100		
111	102.3	80.9	121.3
192	17.7	14.2	21.4

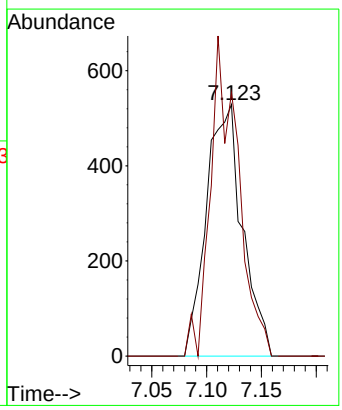


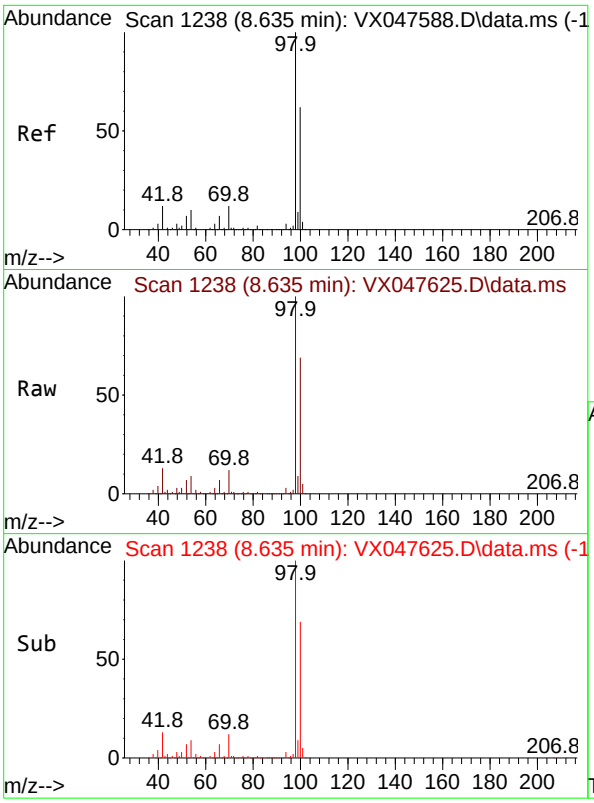


#44
Trichloroethene
Concen: 0.504 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.012 min
Lab File: VX047625.D
Acq: 17 Sep 2025 17:37

Tgt Ion:130 Resp: 1205

Ion	Ratio	Lower	Upper
130	100		
95	104.7	0.0	210.8



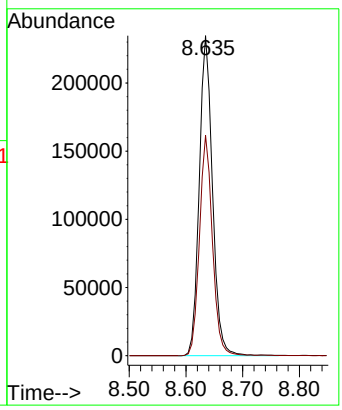


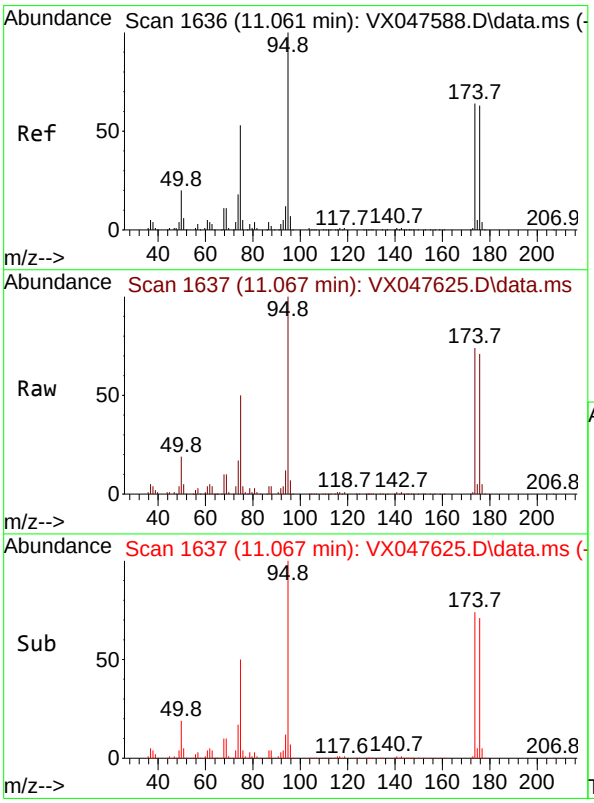
#50
Toluene-d8
Concen: 49.285 ug/l
RT: 8.635 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047625.D
Acq: 17 Sep 2025 17:37

Instrument :
MSVOA_X
ClientSampleId :
MW202D1-20250910

Tgt Ion: 98 Resp: 379923

Ion	Ratio	Lower	Upper
98	100		
100	67.7	53.0	79.4

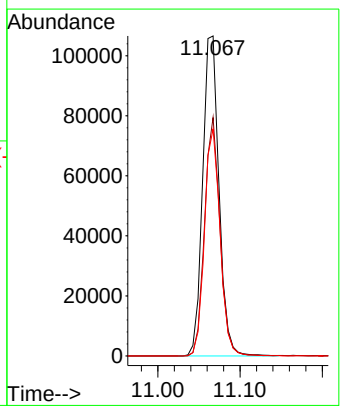


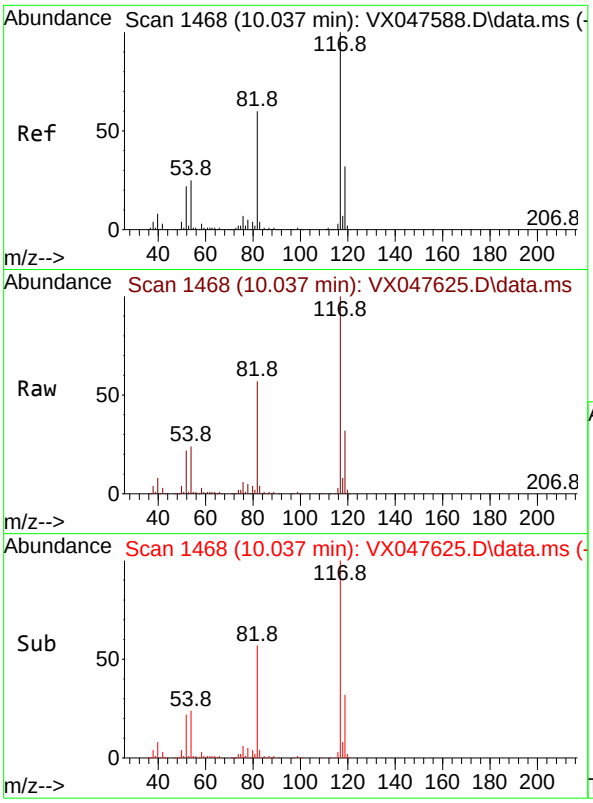


#62
4-Bromofluorobenzene
Concen: 50.287 ug/l
RT: 11.067 min Scan# 1637
Delta R.T. 0.006 min
Lab File: VX047625.D
Acq: 17 Sep 2025 17:37

Tgt Ion: 95 Resp: 147118

Ion	Ratio	Lower	Upper
95	100		
174	70.2	0.0	141.6
176	67.8	0.0	138.4



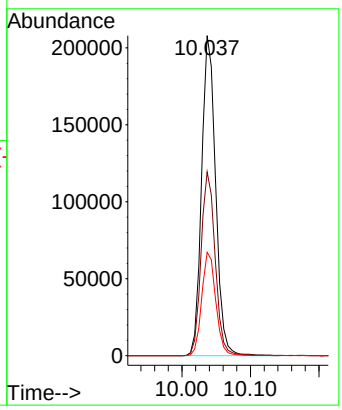


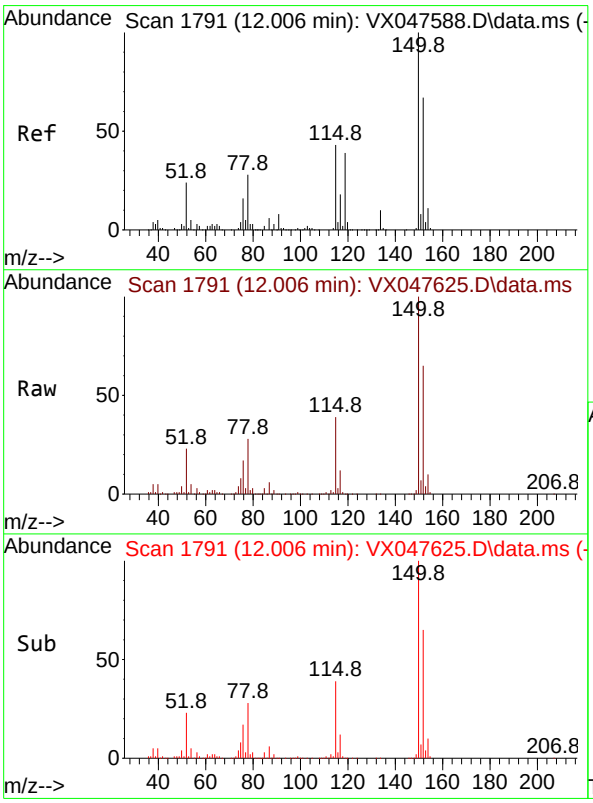
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047625.D
Acq: 17 Sep 2025 17:37

Instrument :
MSVOA_X
ClientSampleId :
MW202D1-20250910

Tgt Ion:117 Resp: 296569

Ion	Ratio	Lower	Upper
117	100		
82	57.4	47.8	71.6
119	32.3	25.2	37.8

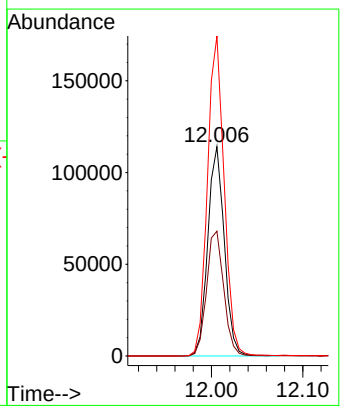




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047625.D
Acq: 17 Sep 2025 17:37

Tgt Ion:152 Resp: 143137

Ion	Ratio	Lower	Upper
152	100		
115	62.0	44.9	134.5
150	154.3	0.0	352.0



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:	09/10/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/12/25
Client Sample ID:	RE104D2-20250910	SDG No.:	Q3095
Lab Sample ID:	Q3095-23	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047648.D	1	09/18/25 17:48	VX091825

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	0.78	J	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	0.73	J	0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	1.00		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	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	26.6		0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	UQ	0.22	0.50	1.00	ug/L
67-66-3	Chloroform	1.20		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	1.10		0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	280	E	0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.30	J	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:	09/10/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/12/25
Client Sample ID:	RE104D2-20250910	SDG No.:	Q3095
Lab Sample ID:	Q3095-23	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047648.D	1	09/18/25 17:48	VX091825

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	0.27	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	0.39	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	53.1		81 - 118		106%	SPK: 50
1868-53-7	Dibromofluoromethane	51.0		80 - 119		102%	SPK: 50
2037-26-5	Toluene-d8	51.0		89 - 112		102%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.5		85 - 114		103%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	184000	5.544				
540-36-3	1,4-Difluorobenzene	336000	6.751				
3114-55-4	Chlorobenzene-d5	303000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	146000	12.006				

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:	09/10/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/12/25
Client Sample ID:	RE104D2-20250910	SDG No.:	Q3095
Lab Sample ID:	Q3095-23	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047648.D	1	09/18/25 17:48	VX091825

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\VX091825\
Data File : VX047648.D
Acq On : 18 Sep 2025 17:48
Operator : JC/MD
Sample : Q3095-23
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RE104D2-20250910

Quant Time: Sep 19 01:34:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

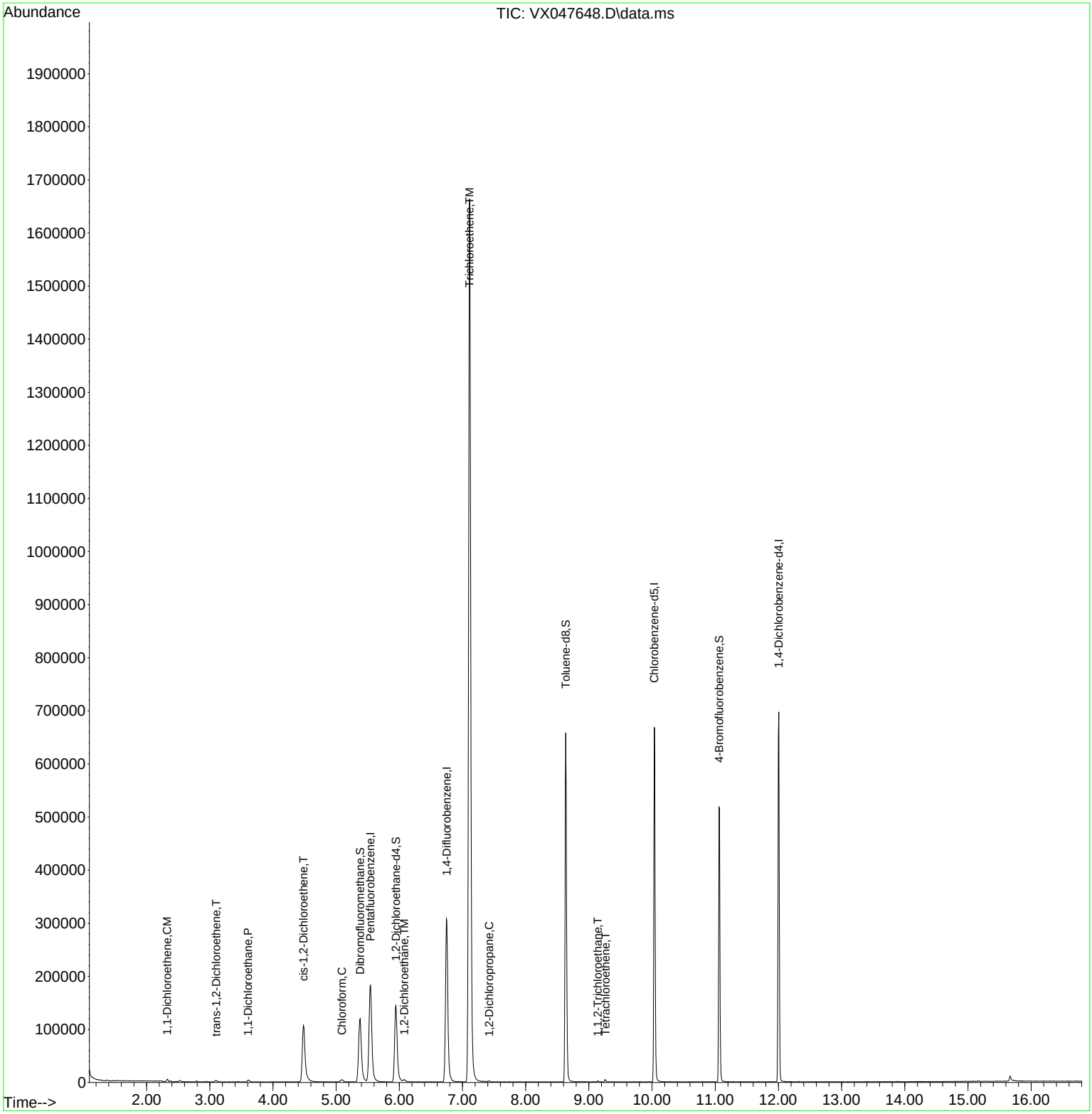
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	184099	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	336121	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	303444	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	145628	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	155732	53.144	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 106.280%			
35) Dibromofluoromethane	5.379	113	115023	51.026	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.060%			
50) Toluene-d8	8.635	98	397448	50.955	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 101.900%			
62) 4-Bromofluorobenzene	11.061	95	152492	51.513	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 103.020%			
Target Compounds						Qvalue
12) 1,1-Dichloroethene	2.325	96	1695	0.775	ug/l #	90
21) trans-1,2-Dichloroethene	3.099	96	1719	0.730	ug/l #	60
24) 1,1-Dichloroethane	3.605	63	4824	1.038	ug/l	96
27) cis-1,2-Dichloroethene	4.483	96	76570	26.550	ug/l	88
30) Chloroform	5.093	83	5704	1.214	ug/l	90
42) 1,2-Dichloroethane	6.080	62	4353	1.144	ug/l	96
44) Trichloroethene	7.111	130	680133	281.195	ug/l	98
45) 1,2-Dichloropropane	7.421	63	777	0.303	ug/l #	83
55) 1,1,2-Trichloroethane	9.141	97	630	0.265	ug/l #	75
64) Tetrachloroethene	9.263	164	761	0.385	ug/l	88

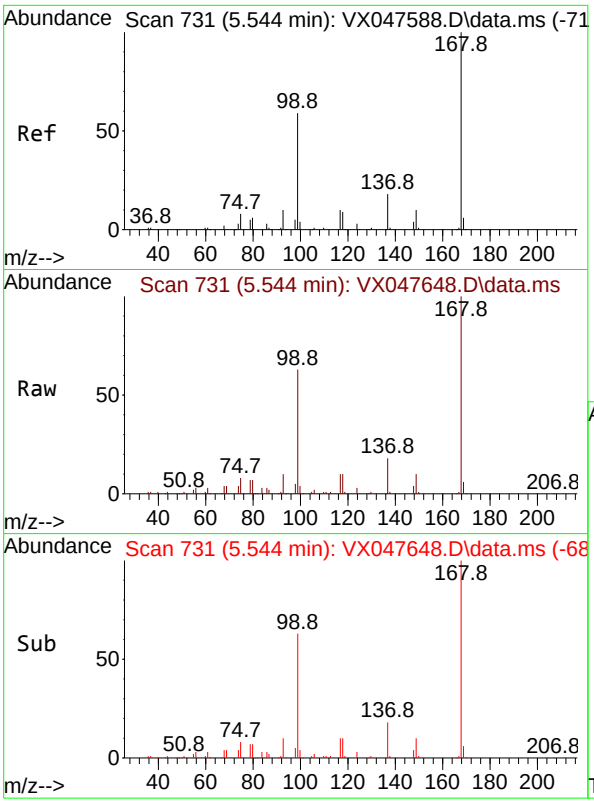
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091825\
Data File : VX047648.D
Acq On : 18 Sep 2025 17:48
Operator : JC/MD
Sample : Q3095-23
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RE104D2-20250910

Quant Time: Sep 19 01:34:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



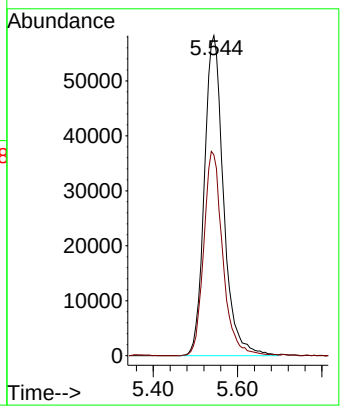


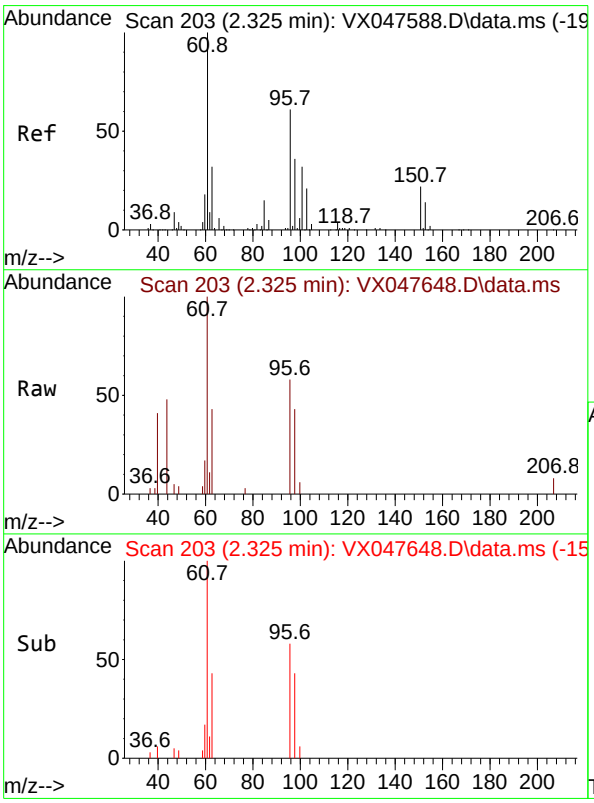
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047648.D
Acq: 18 Sep 2025 17:48

Instrument :
MSVOA_X
ClientSampleId :
RE104D2-20250910

Tgt Ion:168 Resp: 184099

Ion	Ratio	Lower	Upper
168	100		
99	62.8	48.8	73.2

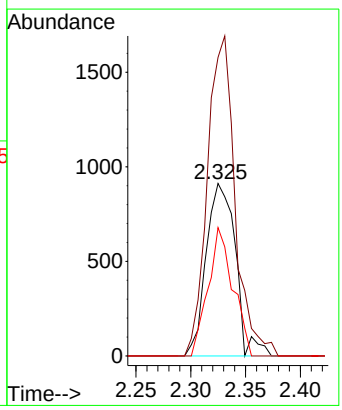


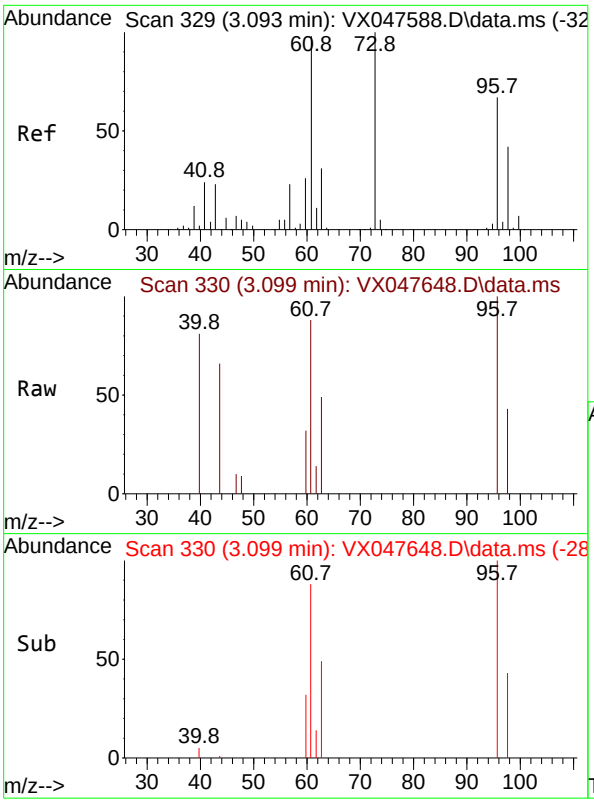


#12
1,1-Dichloroethene
Concen: 0.775 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX047648.D
Acq: 18 Sep 2025 17:48

Tgt Ion: 96 Resp: 1695

Ion	Ratio	Lower	Upper
96	100		
61	173.1	131.0	196.6
98	74.3	47.7	71.5#



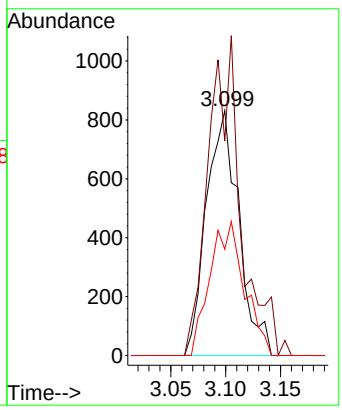


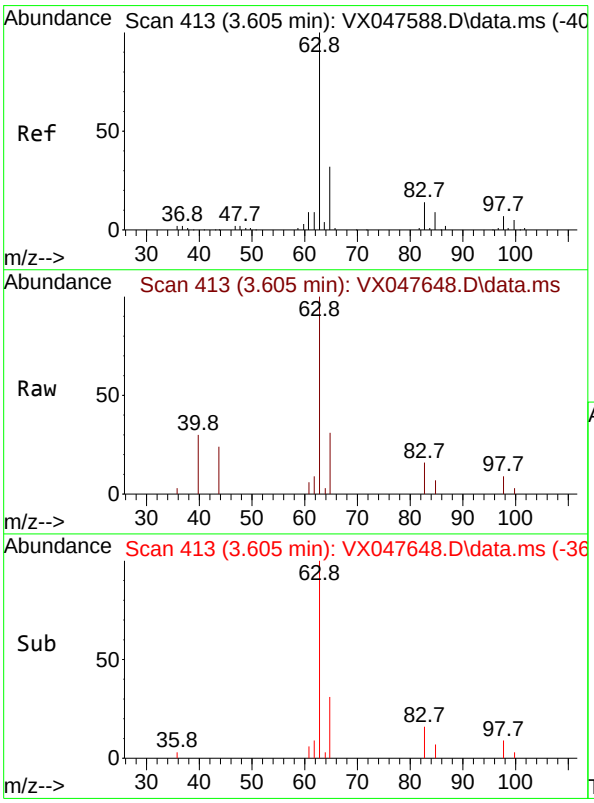
#21
trans-1,2-Dichloroethene
Concen: 0.730 ug/l
RT: 3.099 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX047648.D
Acq: 18 Sep 2025 17:48

Instrument :
MSVOA_X
ClientSampleId :
RE104D2-20250910

Tgt Ion: 96 Resp: 1719

Ion	Ratio	Lower	Upper
96	100		
61	87.6	116.2	174.2#
98	43.4	49.3	73.9#

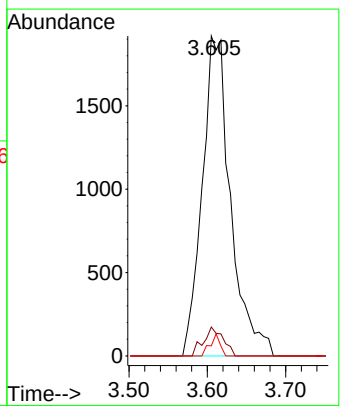


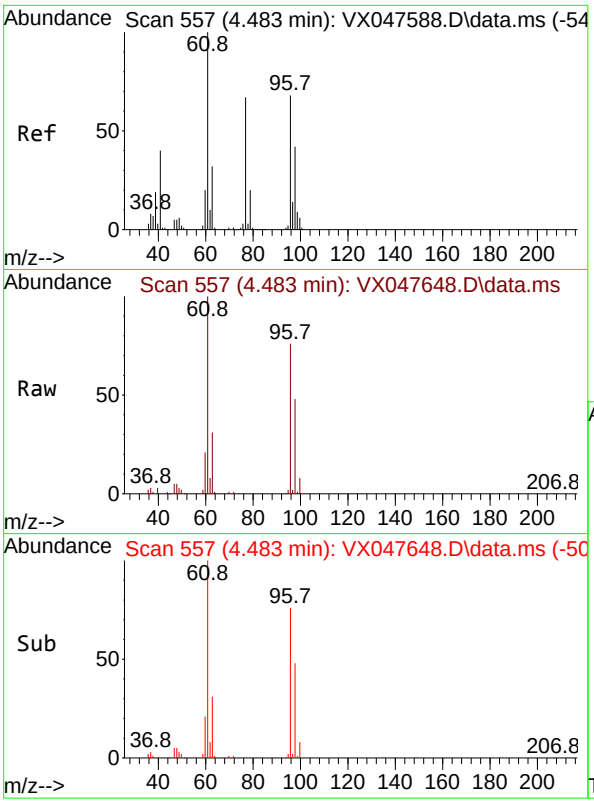


#24
1,1-Dichloroethane
Concen: 1.038 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX047648.D
Acq: 18 Sep 2025 17:48

Tgt Ion: 63 Resp: 4824

Ion	Ratio	Lower	Upper
63	100		
98	9.0	3.8	11.2
100	3.1	2.3	6.9



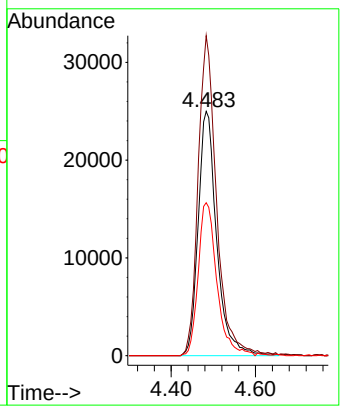


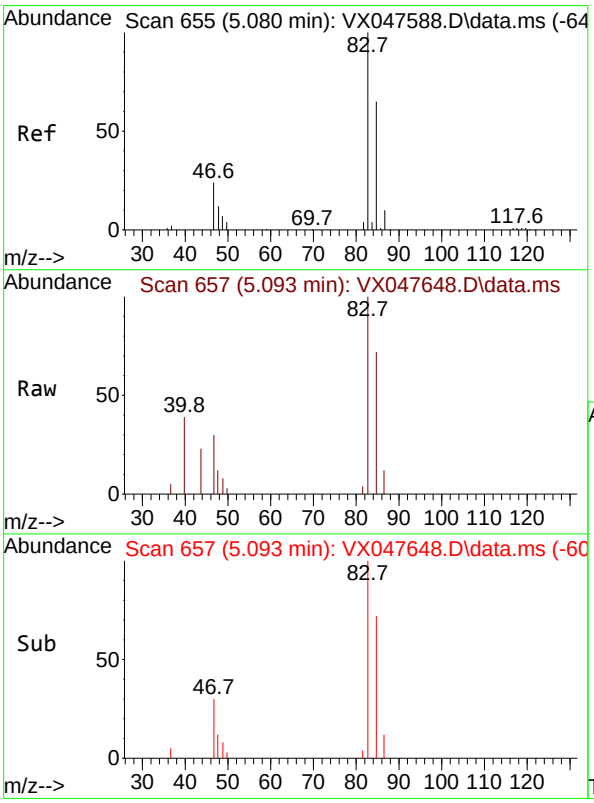
#27
cis-1,2-Dichloroethene
Concen: 26.550 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX047648.D
Acq: 18 Sep 2025 17:48

Instrument :
MSVOA_X
ClientSampleId :
RE104D2-20250910

Tgt Ion: 96 Resp: 76570

Ion	Ratio	Lower	Upper
96	100		
61	130.3	0.0	303.2
98	63.1	0.0	127.8

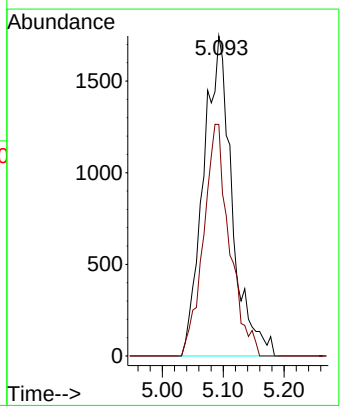


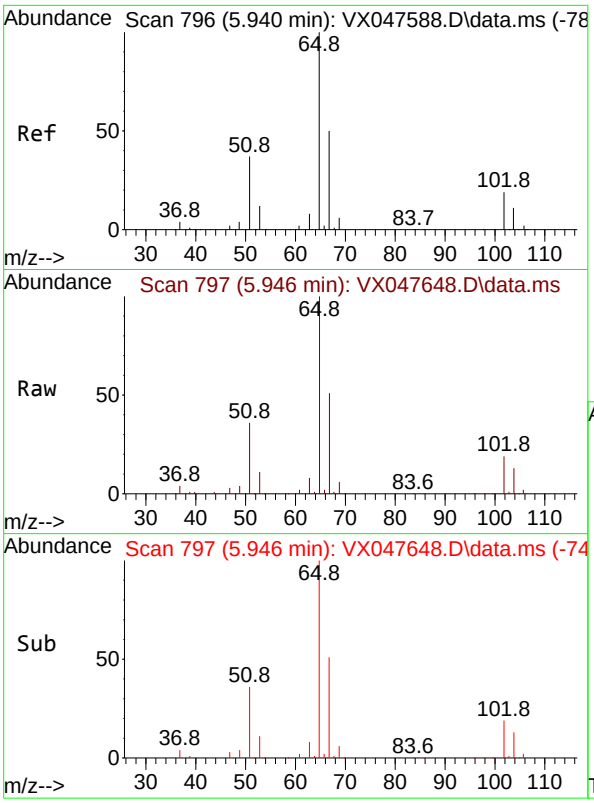


#30
Chloroform
Concen: 1.214 ug/l
RT: 5.093 min Scan# 657
Delta R.T. 0.012 min
Lab File: VX047648.D
Acq: 18 Sep 2025 17:48

Tgt Ion: 83 Resp: 5704

Ion	Ratio	Lower	Upper
83	100		
85	72.3	51.8	77.6



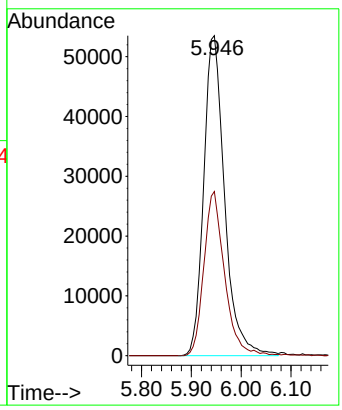


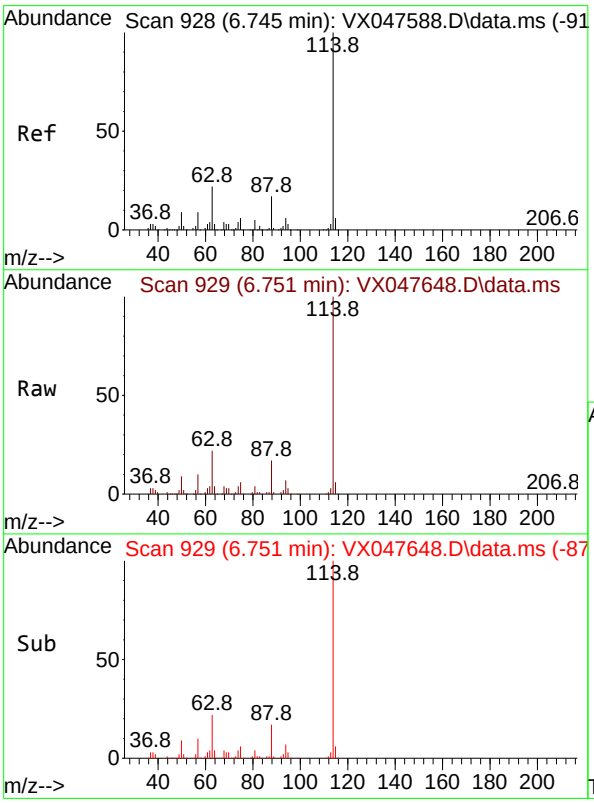
#33
1,2-Dichloroethane-d4
Concen: 53.144 ug/l
RT: 5.946 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047648.D
Acq: 18 Sep 2025 17:48

Instrument :
MSVOA_X
ClientSampleId :
RE104D2-20250910

Tgt Ion: 65 Resp: 155732

Ion	Ratio	Lower	Upper
65	100		
67	51.0	0.0	103.0

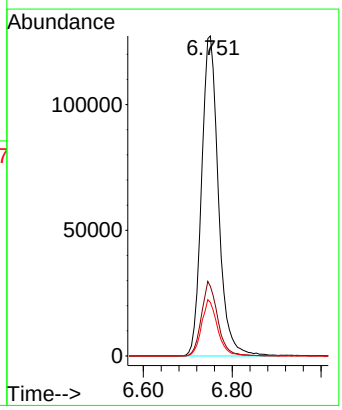


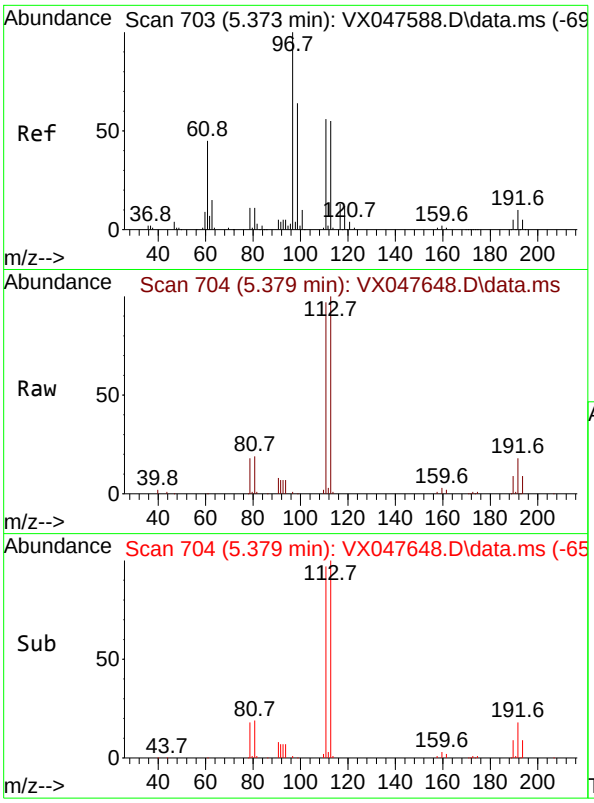


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 929
Delta R.T. 0.006 min
Lab File: VX047648.D
Acq: 18 Sep 2025 17:48

Tgt Ion:114 Resp: 336121

Ion	Ratio	Lower	Upper
114	100		
63	21.7	0.0	44.0
88	16.7	0.0	34.2



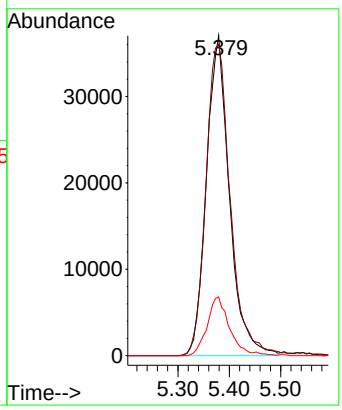


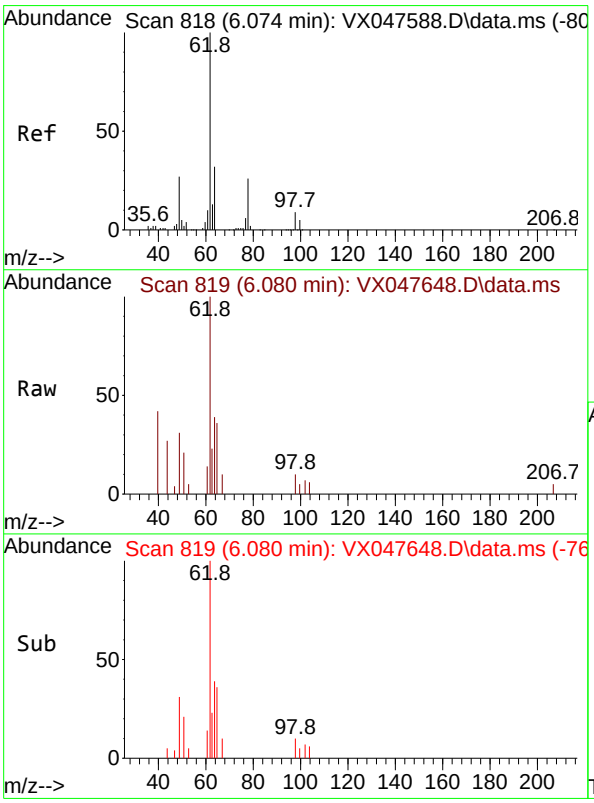
#35
Dibromofluoromethane
Concen: 51.026 ug/l
RT: 5.379 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047648.D
Acq: 18 Sep 2025 17:48

Instrument :
MSVOA_X
ClientSampleId :
RE104D2-20250910

Tgt Ion:113 Resp: 115023

Ion	Ratio	Lower	Upper
113	100		
111	103.5	80.9	121.3
192	17.9	14.2	21.4

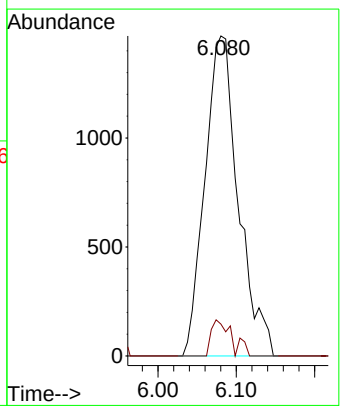


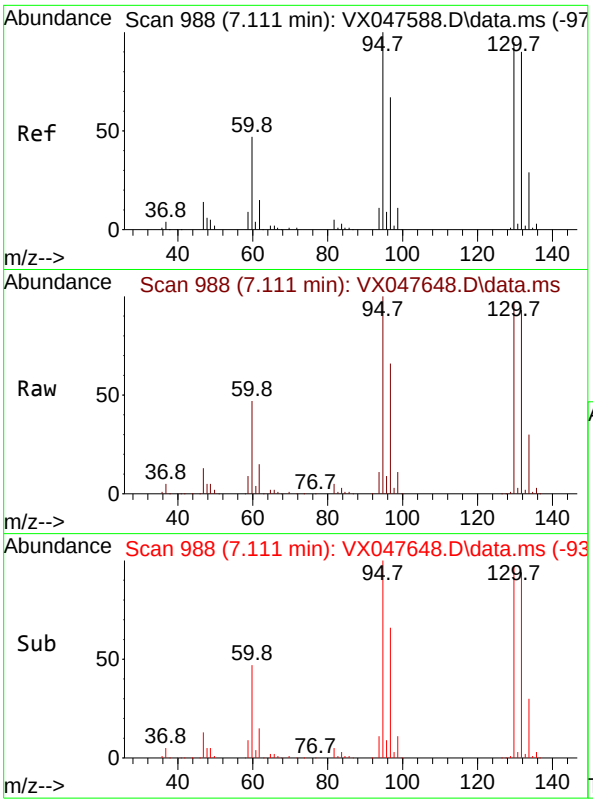


#42
1,2-Dichloroethane
Concen: 1.144 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.006 min
Lab File: VX047648.D
Acq: 18 Sep 2025 17:48

Tgt Ion: 62 Resp: 4353

Ion	Ratio	Lower	Upper
62	100		
98	7.0	0.0	17.0



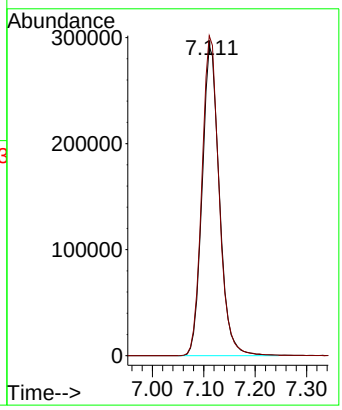


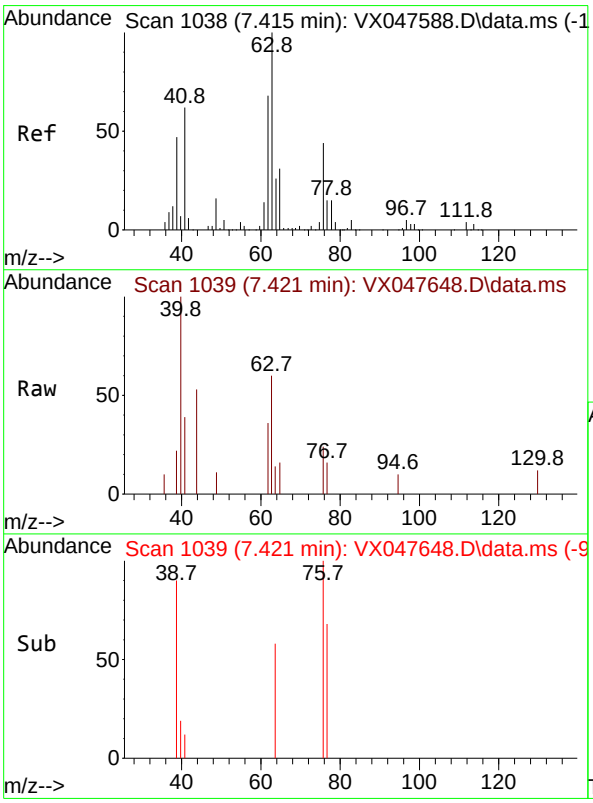
#44
Trichloroethene
Concen: 281.195 ug/l
RT: 7.111 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX047648.D
Acq: 18 Sep 2025 17:48

Instrument :
MSVOA_X
ClientSampleId :
RE104D2-20250910

Tgt Ion:130 Resp: 680133

Ion	Ratio	Lower	Upper
130	100		
95	103.4	0.0	210.8

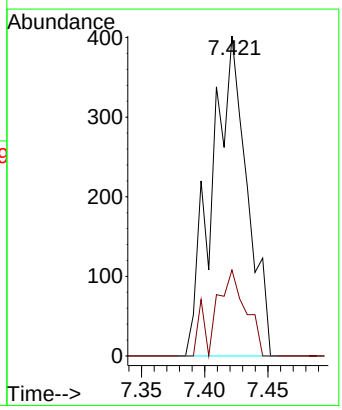


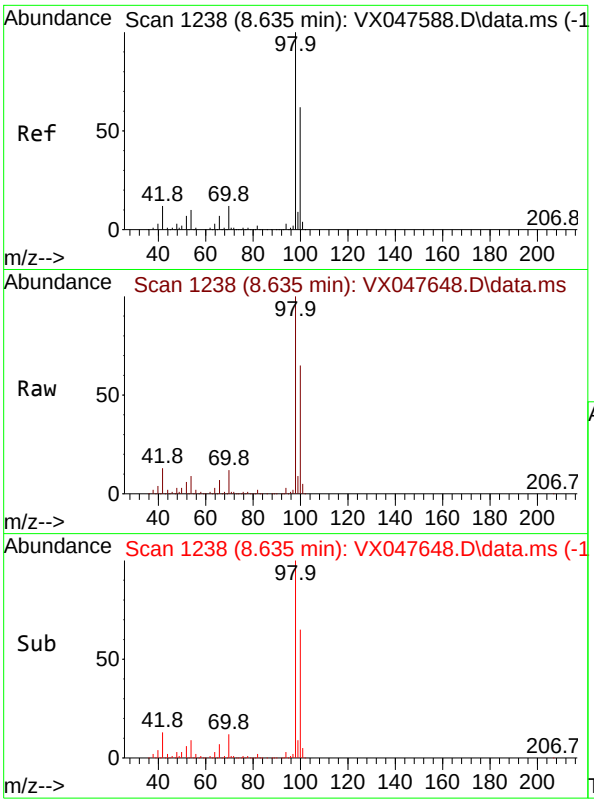


#45
1,2-Dichloropropane
Concen: 0.303 ug/l
RT: 7.421 min Scan# 1039
Delta R.T. 0.006 min
Lab File: VX047648.D
Acq: 18 Sep 2025 17:48

Tgt Ion: 63 Resp: 777

Ion	Ratio	Lower	Upper
63	100		
65	21.8	24.7	37.1#



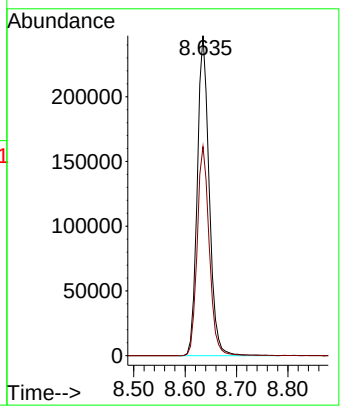


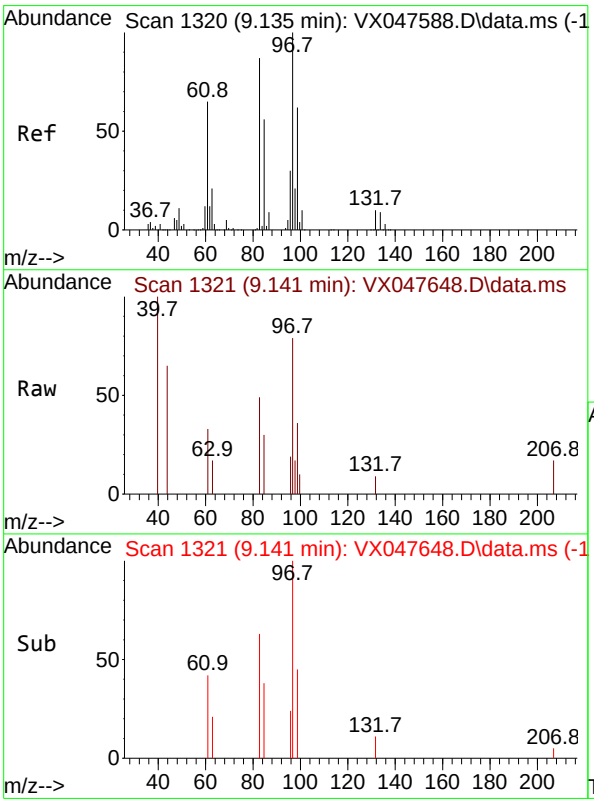
#50
Toluene-d8
Concen: 50.955 ug/l
RT: 8.635 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047648.D
Acq: 18 Sep 2025 17:48

Instrument :
MSVOA_X
ClientSampleId :
RE104D2-20250910

Tgt Ion: 98 Resp: 397448

Ion	Ratio	Lower	Upper
98	100		
100	66.5	53.0	79.4

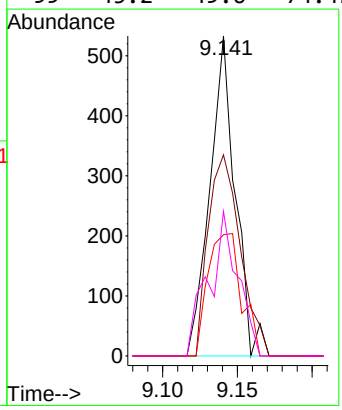


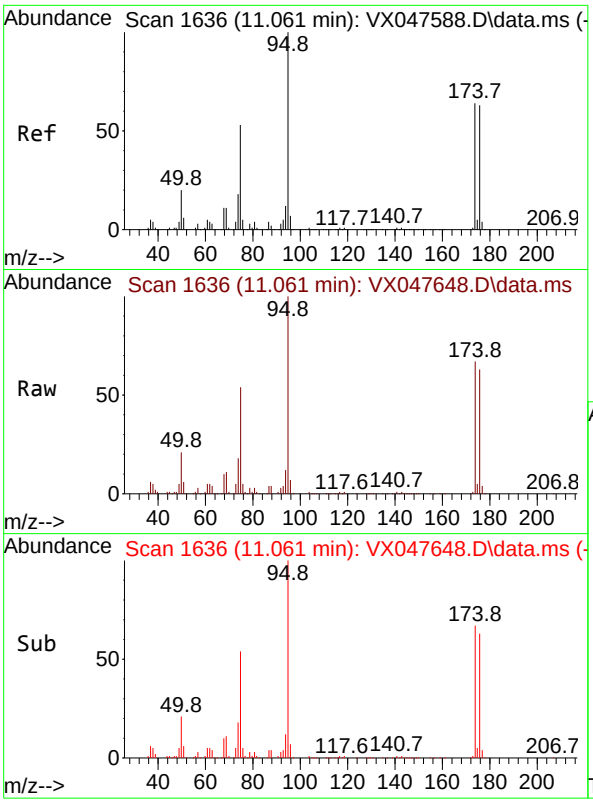


#55
1,1,2-Trichloroethane
Concen: 0.265 ug/l
RT: 9.141 min Scan# 1321
Delta R.T. 0.006 min
Lab File: VX047648.D
Acq: 18 Sep 2025 17:48

Tgt Ion: 97 Resp: 630

Ion	Ratio	Lower	Upper
97	100		
83	62.9	69.6	104.4#
85	37.9	45.0	67.6#
99	45.2	49.6	74.4#



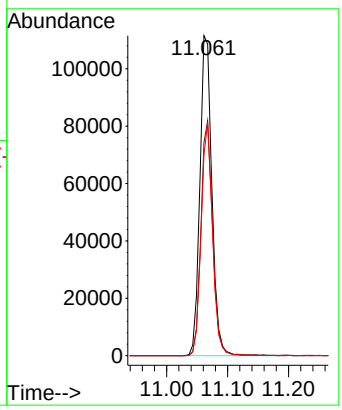


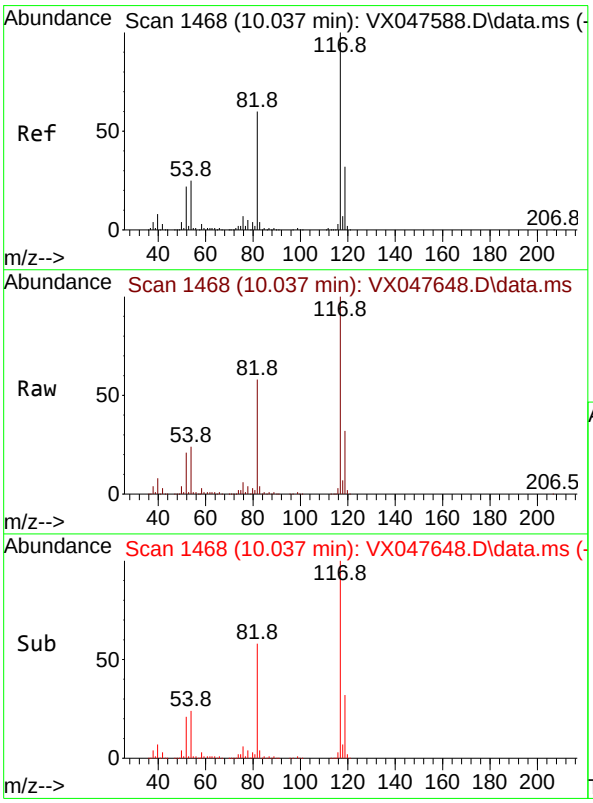
#62
4-Bromofluorobenzene
Concen: 51.513 ug/l
RT: 11.061 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047648.D
Acq: 18 Sep 2025 17:48

Instrument :
MSVOA_X
ClientSampleId :
RE104D2-20250910

Tgt Ion: 95 Resp: 152492

Ion	Ratio	Lower	Upper
95	100		
174	71.3	0.0	141.6
176	69.0	0.0	138.4

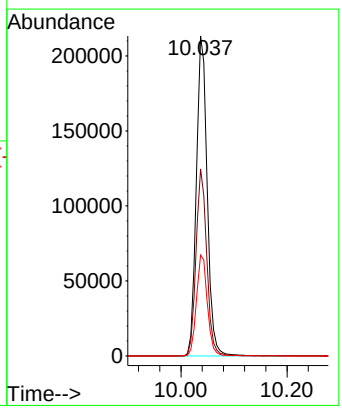


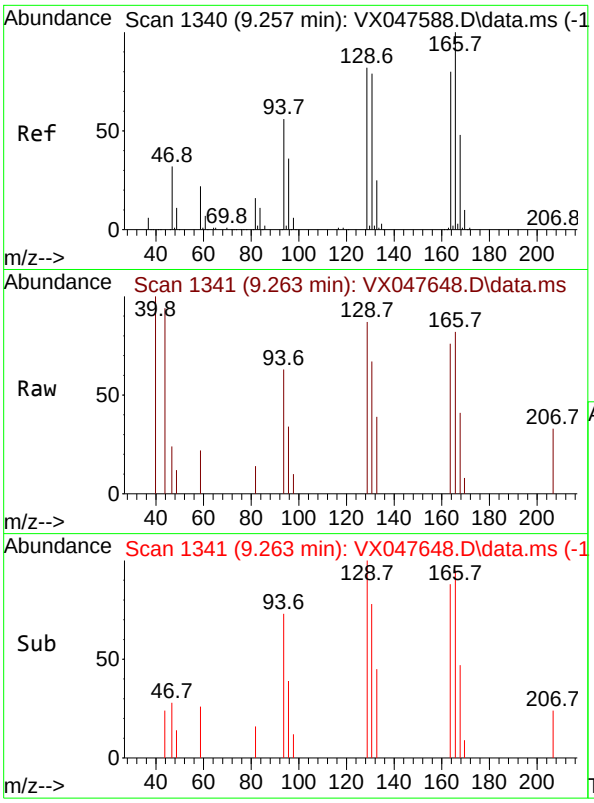


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX047648.D
Acq: 18 Sep 2025 17:48

Tgt Ion:117 Resp: 303444

Ion	Ratio	Lower	Upper
117	100		
82	58.4	47.8	71.6
119	31.5	25.2	37.8



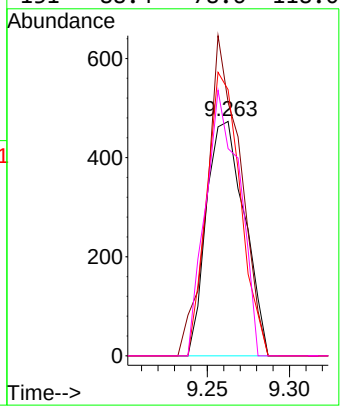


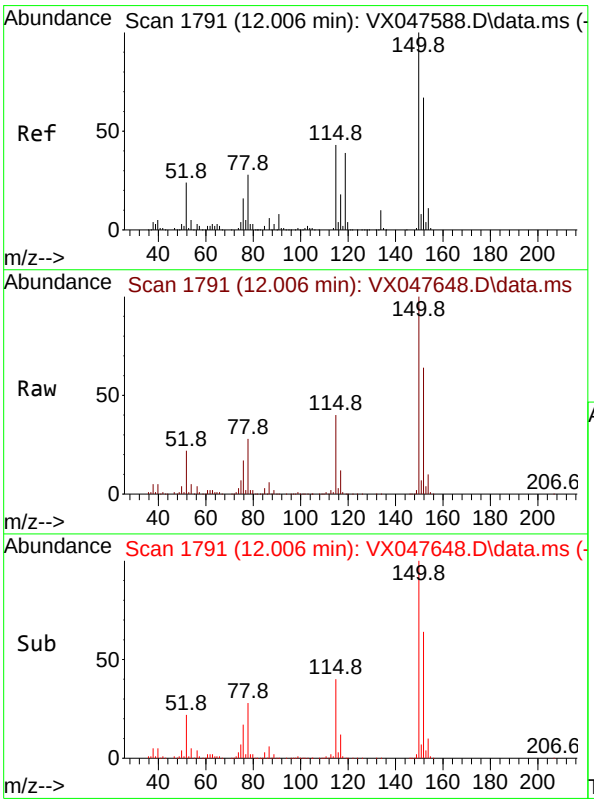
#64
Tetrachloroethene
Concen: 0.385 ug/l
RT: 9.263 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047648.D
Acq: 18 Sep 2025 17:48

Instrument :
MSVOA_X
ClientSampleId :
RE104D2-20250910

Tgt Ion:164 Resp: 761

Ion	Ratio	Lower	Upper
164	100		
166	108.0	100.2	150.2
129	113.5	81.8	122.6
131	88.4	78.6	118.0

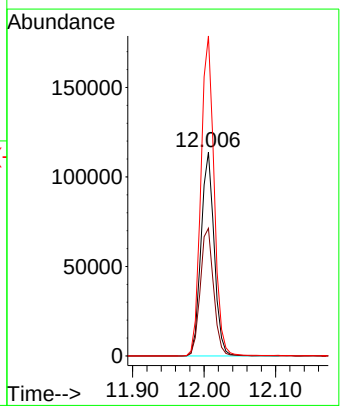




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047648.D
Acq: 18 Sep 2025 17:48

Tgt Ion:152 Resp: 145628

Ion	Ratio	Lower	Upper
152	100		
115	63.4	44.9	134.5
150	157.6	0.0	352.0



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:	09/10/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/12/25
Client Sample ID:	RE104D2-20250910DL	SDG No.:	Q3095
Lab Sample ID:	Q3095-23DL	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047665.D	5	09/19/25 11:26	VX091925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	2.50	UD	1.10	2.50	5.00	ug/L
74-87-3	Chloromethane	2.50	UD	1.60	2.50	5.00	ug/L
75-01-4	Vinyl Chloride	3.80	UD	1.30	3.80	5.00	ug/L
74-83-9	Bromomethane	18.8	UD	7.20	18.8	25.0	ug/L
75-00-3	Chloroethane	3.80	UD	2.40	3.80	5.00	ug/L
75-69-4	Trichlorofluoromethane	2.50	UD	1.70	2.50	5.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	2.50	UD	1.30	2.50	5.00	ug/L
75-35-4	1,1-Dichloroethene	3.80	UD	1.20	3.80	5.00	ug/L
67-64-1	Acetone	18.8	UD	7.60	18.8	25.0	ug/L
75-15-0	Carbon Disulfide	3.80	UD	1.10	3.80	5.00	ug/L
1634-04-4	Methyl tert-butyl Ether	2.50	UD	0.80	2.50	5.00	ug/L
79-20-9	Methyl Acetate	3.80	UD	1.40	3.80	5.00	ug/L
75-09-2	Methylene Chloride	2.50	UD	1.40	2.50	5.00	ug/L
156-60-5	trans-1,2-Dichloroethene	2.50	UD	1.20	2.50	5.00	ug/L
75-34-3	1,1-Dichloroethane	2.50	UD	1.20	2.50	5.00	ug/L
110-82-7	Cyclohexane	12.5	UD	7.30	12.5	25.0	ug/L
78-93-3	2-Butanone	12.5	UD	4.90	12.5	25.0	ug/L
56-23-5	Carbon Tetrachloride	2.50	UD	1.30	2.50	5.00	ug/L
156-59-2	cis-1,2-Dichloroethene	24.9	D	0.95	3.80	5.00	ug/L
74-97-5	Bromochloromethane	2.50	UD	1.10	2.50	5.00	ug/L
67-66-3	Chloroform	2.50	UD	1.30	2.50	5.00	ug/L
71-55-6	1,1,1-Trichloroethane	2.50	UD	1.00	2.50	5.00	ug/L
108-87-2	Methylcyclohexane	2.50	UD	0.80	2.50	5.00	ug/L
71-43-2	Benzene	2.50	UD	0.75	2.50	5.00	ug/L
107-06-2	1,2-Dichloroethane	2.50	UD	1.10	2.50	5.00	ug/L
79-01-6	Trichloroethene	290	D	0.47	3.80	5.00	ug/L
78-87-5	1,2-Dichloropropane	2.50	UD	1.00	2.50	5.00	ug/L
75-27-4	Bromodichloromethane	2.50	UD	1.10	2.50	5.00	ug/L
108-10-1	4-Methyl-2-Pentanone	12.5	UD	3.40	12.5	25.0	ug/L
108-88-3	Toluene	2.50	UD	0.70	2.50	5.00	ug/L

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	09/10/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/12/25
Client Sample ID:	RE104D2-20250910DL	SDG No.:	Q3095
Lab Sample ID:	Q3095-23DL	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047665.D	5	09/19/25 11:26	VX091925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	2.50	UD	0.85	2.50	5.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	2.50	UD	0.80	2.50	5.00	ug/L
79-00-5	1,1,2-Trichloroethane	2.50	UD	1.10	2.50	5.00	ug/L
591-78-6	2-Hexanone	12.5	UD	4.50	12.5	25.0	ug/L
124-48-1	Dibromochloromethane	2.50	UD	0.90	2.50	5.00	ug/L
106-93-4	1,2-Dibromoethane	2.50	UD	0.75	2.50	5.00	ug/L
127-18-4	Tetrachloroethene	2.50	UD	1.20	2.50	5.00	ug/L
108-90-7	Chlorobenzene	2.50	UD	0.60	2.50	5.00	ug/L
100-41-4	Ethyl Benzene	2.50	UD	0.65	2.50	5.00	ug/L
179601-23-1	m/p-Xylenes	5.00	UD	1.20	5.00	10.0	ug/L
95-47-6	o-Xylene	2.50	UD	0.60	2.50	5.00	ug/L
100-42-5	Styrene	2.50	UD	0.75	2.50	5.00	ug/L
75-25-2	Bromoform	2.50	UD	0.95	2.50	5.00	ug/L
98-82-8	Isopropylbenzene	2.50	UD	0.60	2.50	5.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	2.50	UD	1.30	2.50	5.00	ug/L
541-73-1	1,3-Dichlorobenzene	2.50	UD	0.80	2.50	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	2.50	UD	0.95	2.50	5.00	ug/L
95-50-1	1,2-Dichlorobenzene	2.50	UD	0.80	2.50	5.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	3.80	UD	2.70	3.80	5.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	2.50	UD	1.00	2.50	5.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	3.80	UD	1.00	3.80	5.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	48.9		81 - 118		98%	SPK: 50
1868-53-7	Dibromofluoromethane	48.1		80 - 119		96%	SPK: 50
2037-26-5	Toluene-d8	48.9		89 - 112		98%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.9		85 - 114		100%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	178000	5.537				
540-36-3	1,4-Difluorobenzene	319000	6.745				
3114-55-4	Chlorobenzene-d5	294000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	142000	12.006				

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:	09/10/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/12/25
Client Sample ID:	RE104D2-20250910DL	SDG No.:	Q3095
Lab Sample ID:	Q3095-23DL	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047665.D	5	09/19/25 11:26	VX091925

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\VX091925\
Data File : VX047665.D
Acq On : 19 Sep 2025 11:26
Operator : JC/MD
Sample : Q3095-23DL 5X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RE104D2-20250910DL

Quant Time: Sep 20 00:28:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

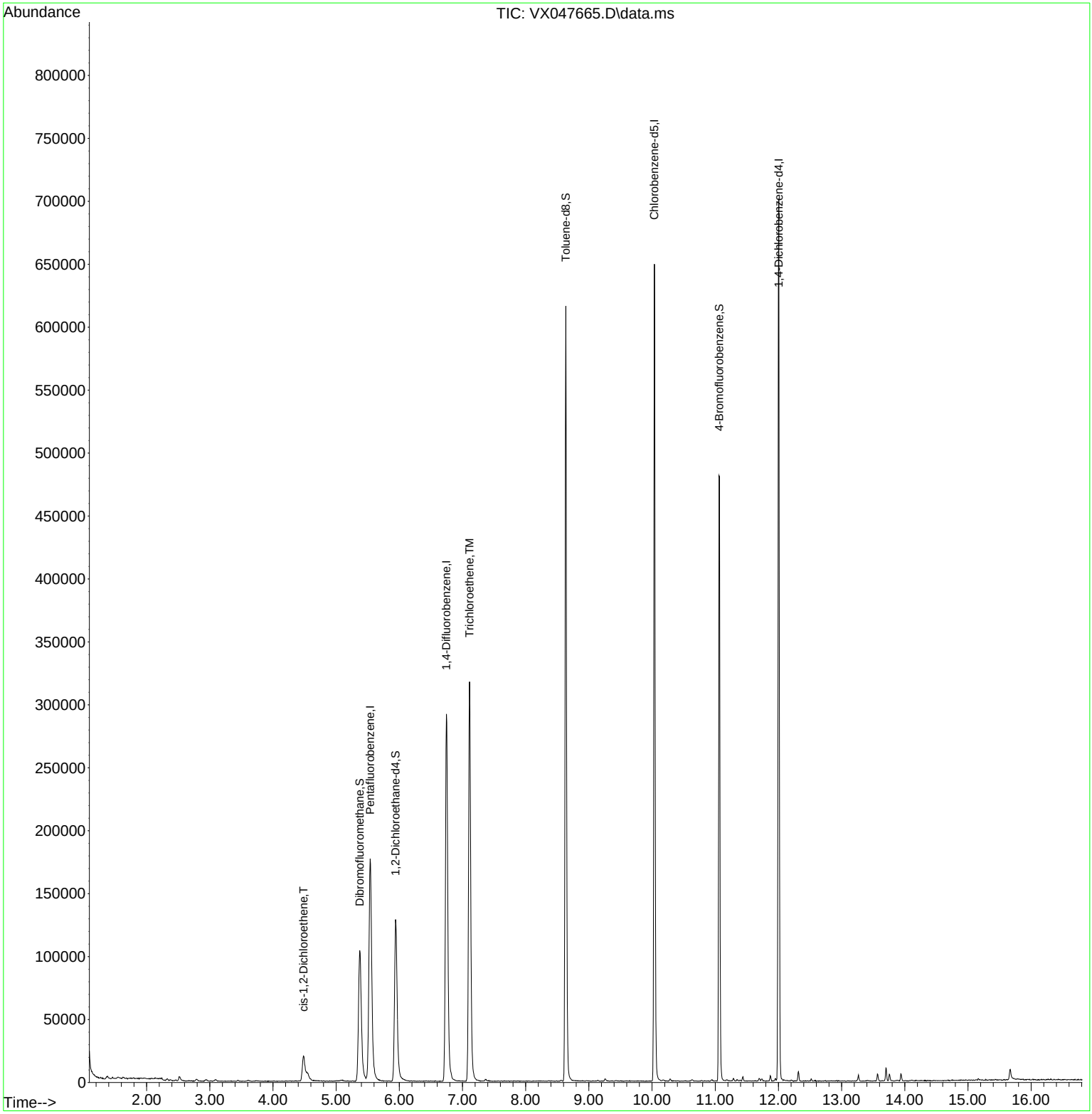
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.537	168	178407	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	318864	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	293829	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	142184	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	138821	48.884	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 97.760%			
35) Dibromofluoromethane	5.373	113	102800	48.072	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 96.140%			
50) Toluene-d8	8.635	98	362161	48.944	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 97.880%			
62) 4-Bromofluorobenzene	11.061	95	140015	49.858	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 99.720%			
Target Compounds						Qvalue
27) cis-1,2-Dichloroethene	4.483	96	13908	4.976	ug/l	93
44) Trichloroethene	7.110	130	132536	57.761	ug/l	99

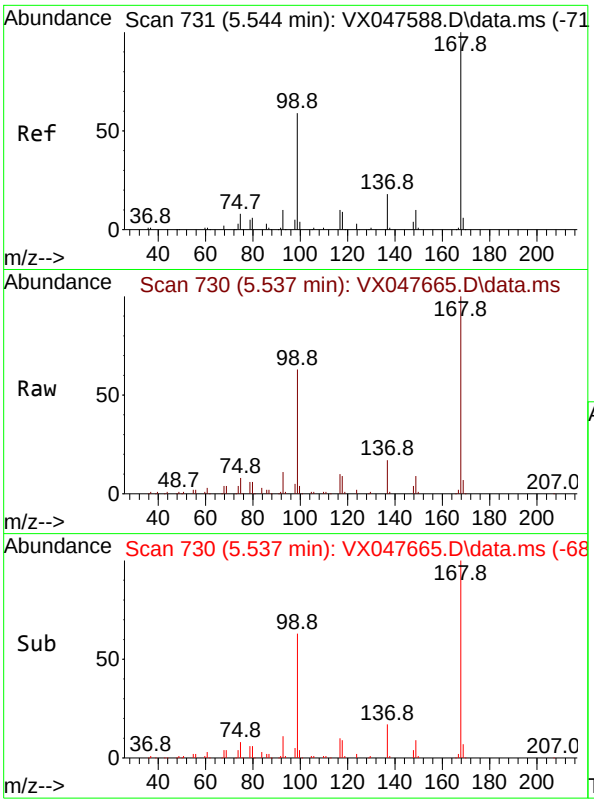
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091925\
Data File : VX047665.D
Acq On : 19 Sep 2025 11:26
Operator : JC/MD
Sample : Q3095-23DL 5X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RE104D2-20250910DL

Quant Time: Sep 20 00:28:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



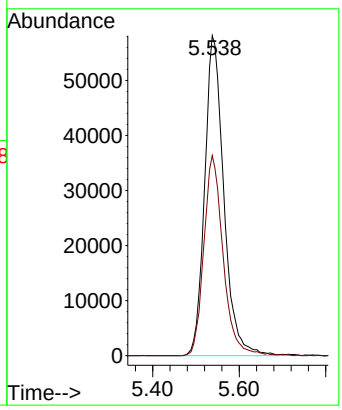


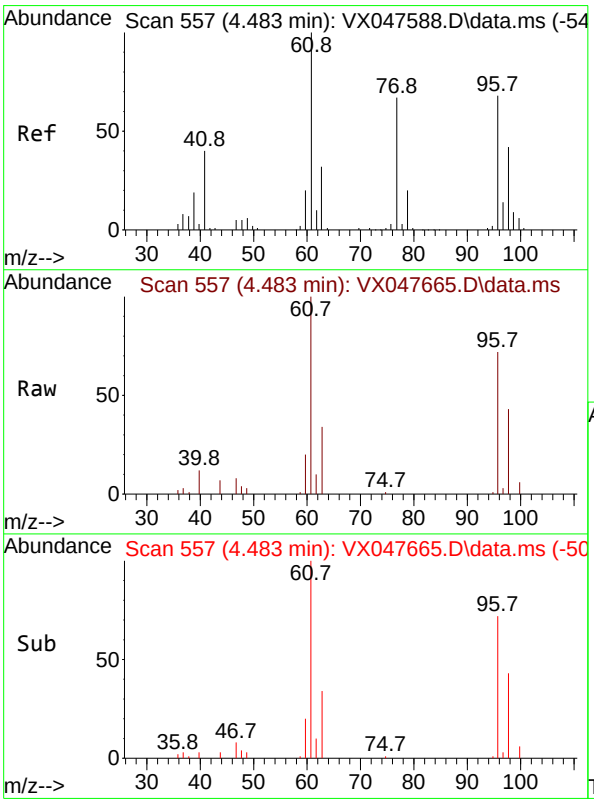
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.537 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047665.D
Acq: 19 Sep 2025 11:26

Instrument :
MSVOA_X
ClientSampleId :
RE104D2-20250910DL

Tgt Ion:168 Resp: 178407

Ion	Ratio	Lower	Upper
168	100		
99	62.5	48.8	73.2

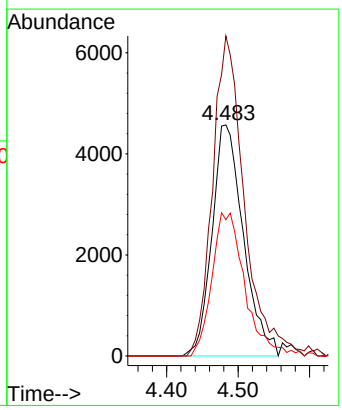


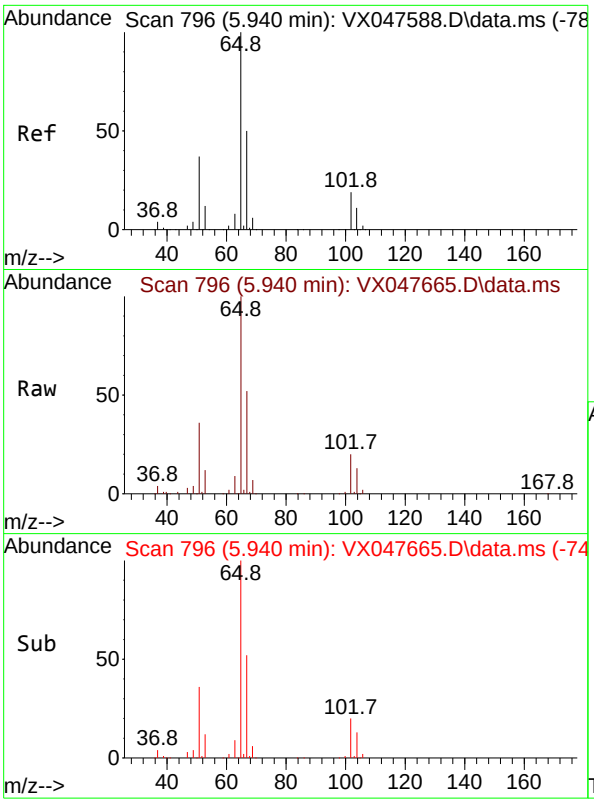


#27
cis-1,2-Dichloroethene
Concen: 4.976 ug/l
RT: 4.483 min Scan# 557
Delta R.T. -0.000 min
Lab File: VX047665.D
Acq: 19 Sep 2025 11:26

Tgt Ion: 96 Resp: 13908

Ion	Ratio	Lower	Upper
96	100		
61	140.4	0.0	303.2
98	65.3	0.0	127.8



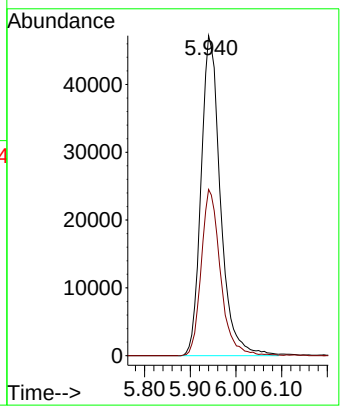


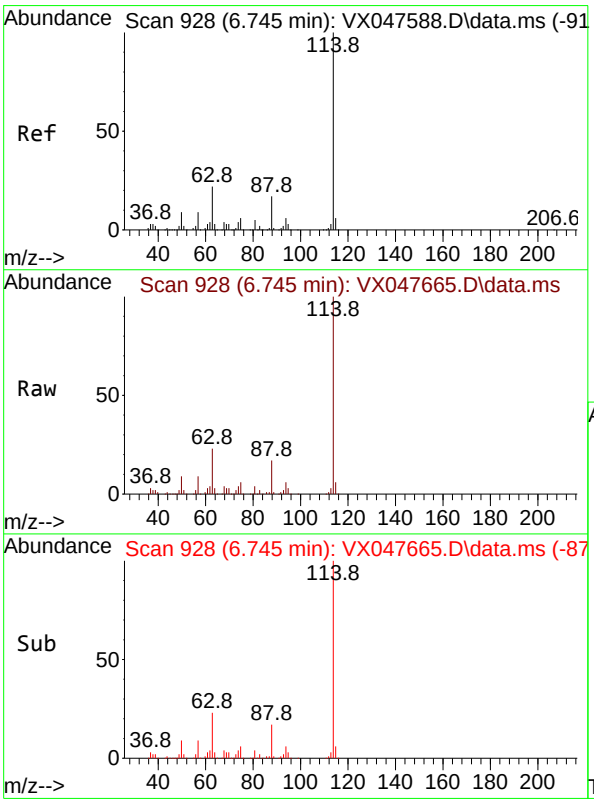
#33
1,2-Dichloroethane-d4
Concen: 48.884 ug/l
RT: 5.940 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047665.D
Acq: 19 Sep 2025 11:26

Instrument :
MSVOA_X
ClientSampleId :
RE104D2-20250910DL

Tgt Ion: 65 Resp: 138821

Ion	Ratio	Lower	Upper
65	100		
67	51.7	0.0	103.0

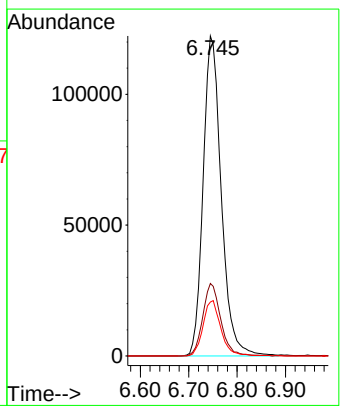


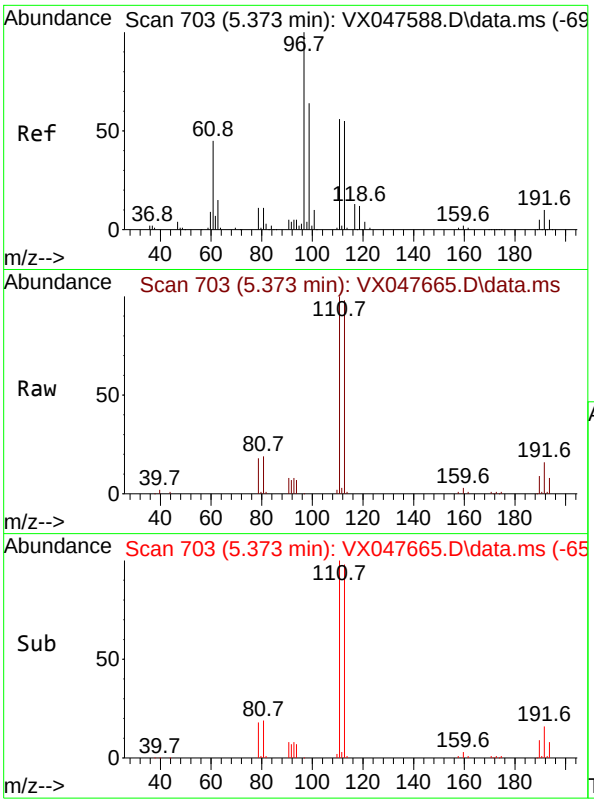


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 928
Delta R.T. -0.000 min
Lab File: VX047665.D
Acq: 19 Sep 2025 11:26

Tgt Ion:114 Resp: 318864

Ion	Ratio	Lower	Upper
114	100		
63	22.7	0.0	44.0
88	16.9	0.0	34.2



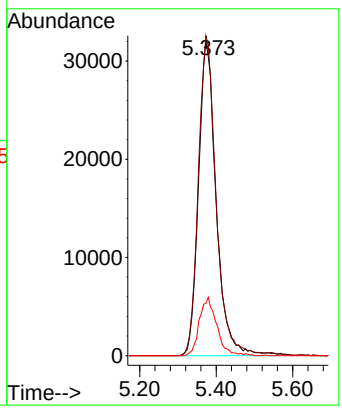


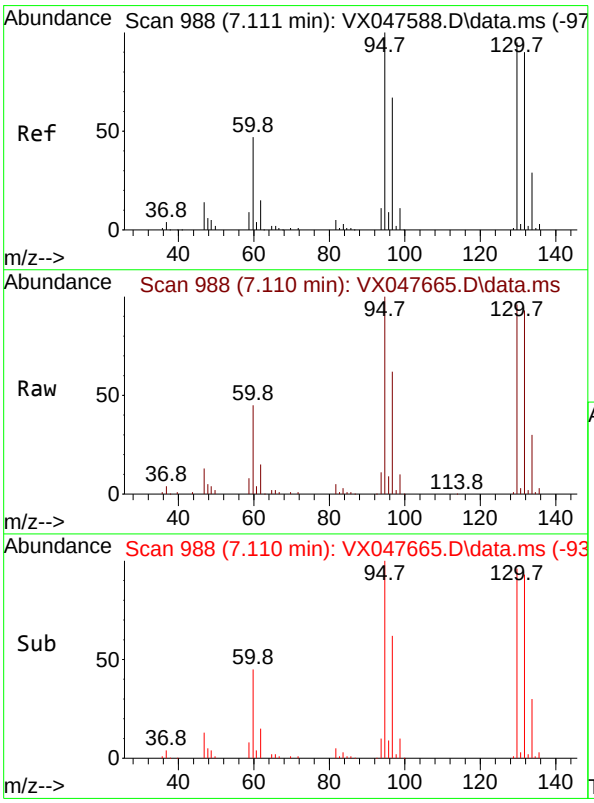
#35
Dibromofluoromethane
Concen: 48.072 ug/l
RT: 5.373 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047665.D
Acq: 19 Sep 2025 11:26

Instrument :
MSVOA_X
ClientSampleId :
RE104D2-20250910DL

Tgt Ion:113 Resp: 102800

Ion	Ratio	Lower	Upper
113	100		
111	102.1	80.9	121.3
192	18.2	14.2	21.4

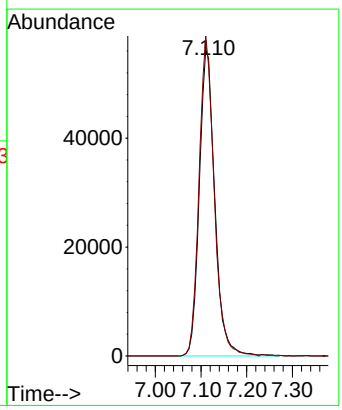


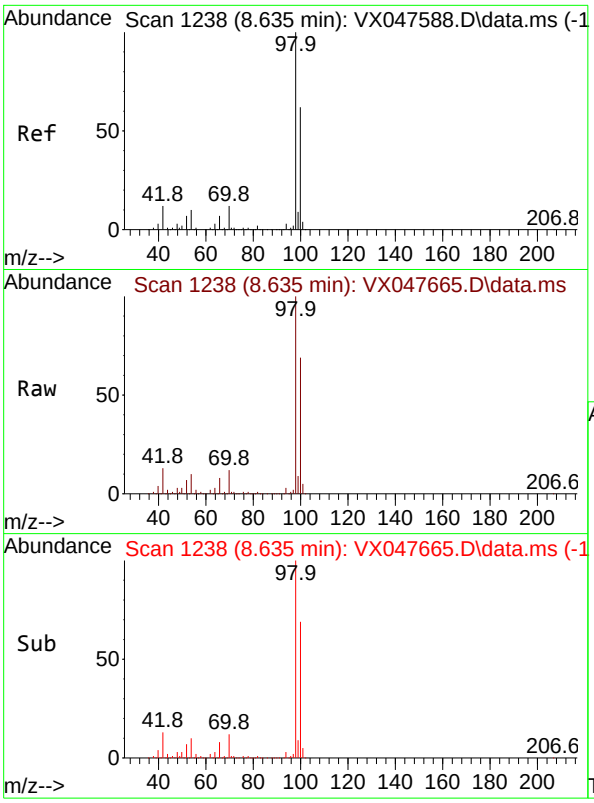


#44
Trichloroethene
Concen: 57.761 ug/l
RT: 7.110 min Scan# 988
Delta R.T. -0.000 min
Lab File: VX047665.D
Acq: 19 Sep 2025 11:26

Tgt Ion:130 Resp: 132536

Ion	Ratio	Lower	Upper
130	100		
95	104.7	0.0	210.8



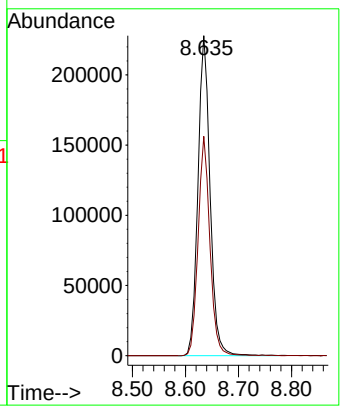


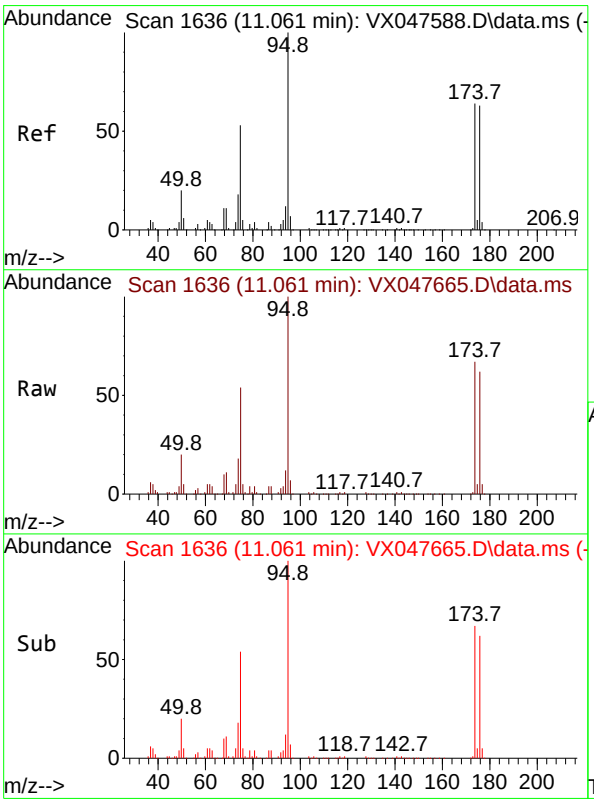
#50
Toluene-d8
Concen: 48.944 ug/l
RT: 8.635 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047665.D
Acq: 19 Sep 2025 11:26

Instrument :
MSVOA_X
ClientSampleId :
RE104D2-20250910DL

Tgt Ion: 98 Resp: 362161

Ion	Ratio	Lower	Upper
98	100		
100	66.7	53.0	79.4

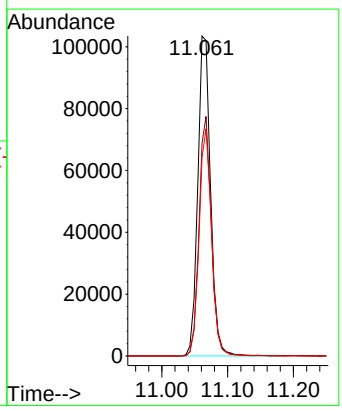


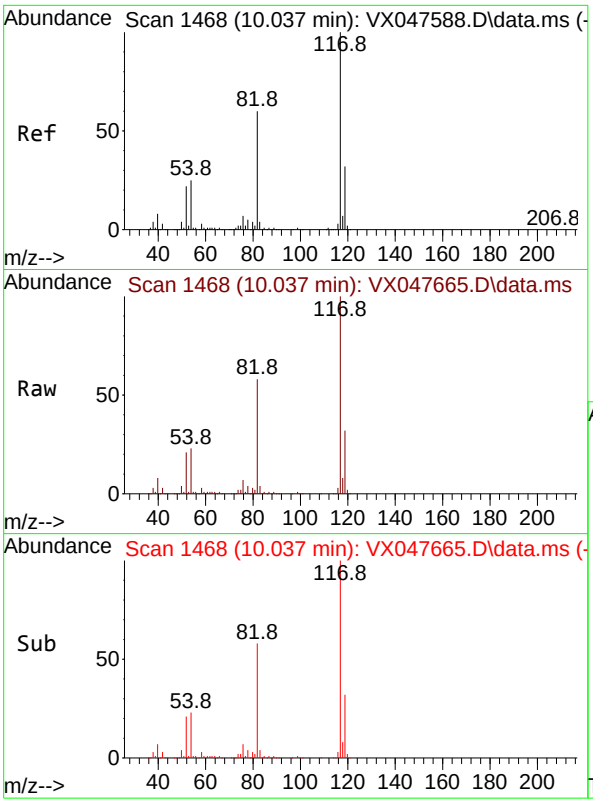


#62
4-Bromofluorobenzene
Concen: 49.858 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX047665.D
Acq: 19 Sep 2025 11:26

Tgt Ion: 95 Resp: 140015

Ion	Ratio	Lower	Upper
95	100		
174	72.0	0.0	141.6
176	69.0	0.0	138.4



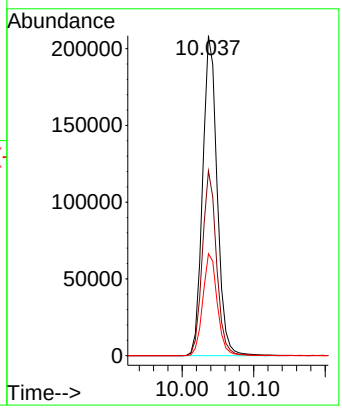


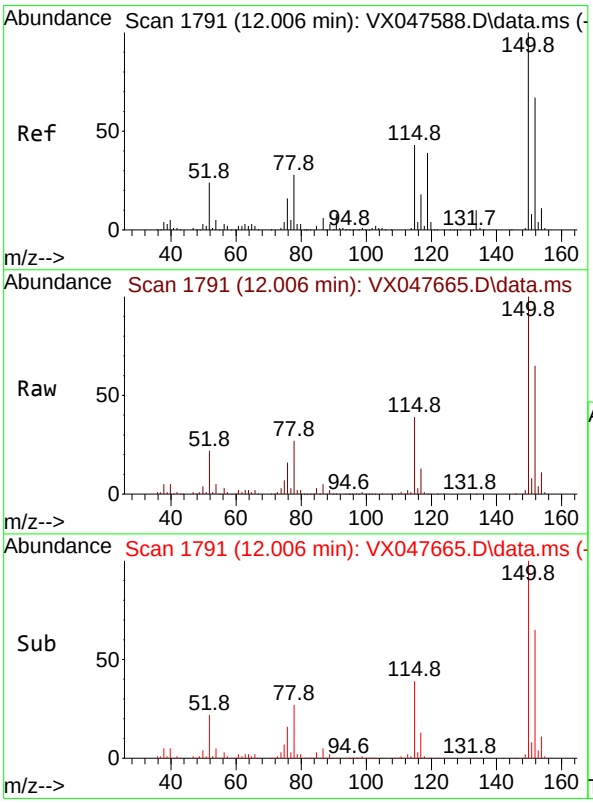
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047665.D
Acq: 19 Sep 2025 11:26

Instrument :
MSVOA_X
ClientSampleId :
RE104D2-20250910DL

Tgt Ion:117 Resp: 293829

Ion	Ratio	Lower	Upper
117	100		
82	57.8	47.8	71.6
119	31.9	25.2	37.8

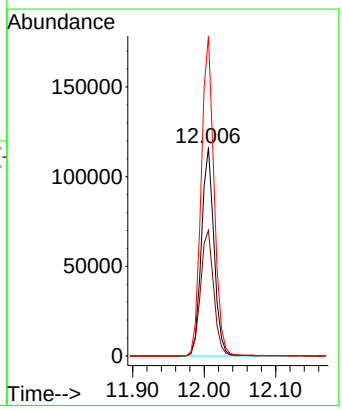




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047665.D
Acq: 19 Sep 2025 11:26

Tgt Ion:152 Resp: 142184

Ion	Ratio	Lower	Upper
152	100		
115	62.9	44.9	134.5
150	156.6	0.0	352.0



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:	09/10/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/12/25
Client Sample ID:	MW178I-20250910	SDG No.:	Q3095
Lab Sample ID:	Q3095-24	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047668.D	1	09/19/25 12:29	VX091925

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	2.50	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	0.69	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	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	0.37	J	0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.16	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.90	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:	09/10/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/12/25
Client Sample ID:	MW178I-20250910	SDG No.:	Q3095
Lab Sample ID:	Q3095-24	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047668.D	1	09/19/25 12:29	VX091925

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	0.43	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	51.1		81 - 118		102%	SPK: 50
1868-53-7	Dibromofluoromethane	47.6		80 - 119		95%	SPK: 50
2037-26-5	Toluene-d8	48.1		89 - 112		96%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.7		85 - 114		97%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	181000	5.544				
540-36-3	1,4-Difluorobenzene	339000	6.745				
3114-55-4	Chlorobenzene-d5	308000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	152000	12.006				

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:	09/10/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/12/25
Client Sample ID:	MW178I-20250910	SDG No.:	Q3095
Lab Sample ID:	Q3095-24	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047668.D	1	09/19/25 12:29	VX091925

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\VX091925\
Data File : VX047668.D
Acq On : 19 Sep 2025 12:29
Operator : JC/MD
Sample : Q3095-24
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW178I-20250910

Quant Time: Sep 20 00:30:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

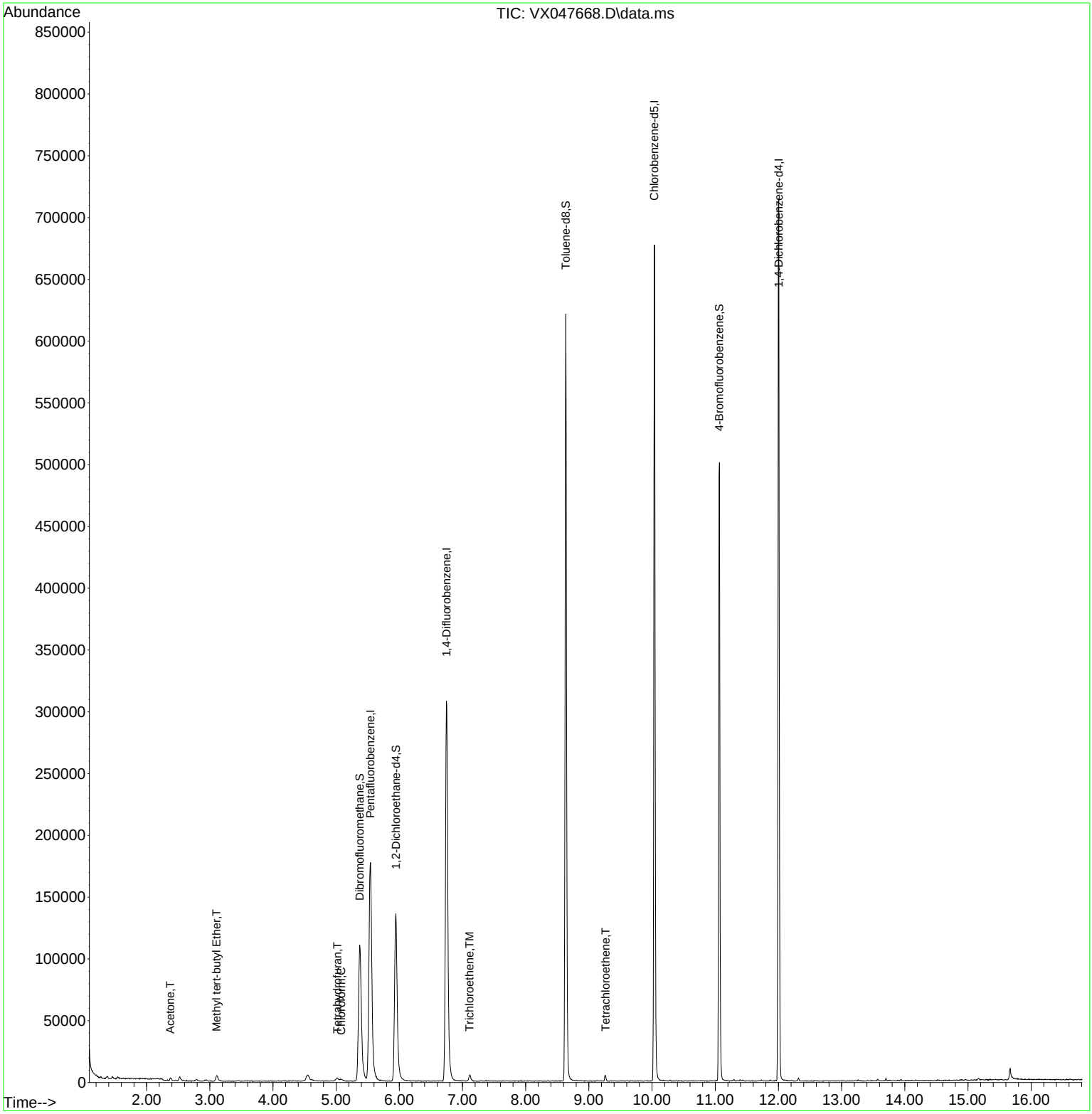
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	181150	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	339462	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	307986	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	151965	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	147340	51.098	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 102.200%			
35) Dibromofluoromethane	5.373	113	108296	47.569	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 95.140%			
50) Toluene-d8	8.635	98	378819	48.088	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 96.180%			
62) 4-Bromofluorobenzene	11.061	95	145599	48.701	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 97.400%			
Target Compounds						Qvalue
16) Acetone	2.373	43	3172	2.530	ug/l #	88
19) Methyl tert-butyl Ether	3.105	73	5383	0.685	ug/l	95
29) Tetrahydrofuran	5.019	42	2994	3.182	ug/l #	49
30) Chloroform	5.080	83	1711	0.370	ug/l	87
44) Trichloroethene	7.110	130	2187	0.895	ug/l	97
64) Tetrachloroethene	9.262	164	854	0.425	ug/l #	88

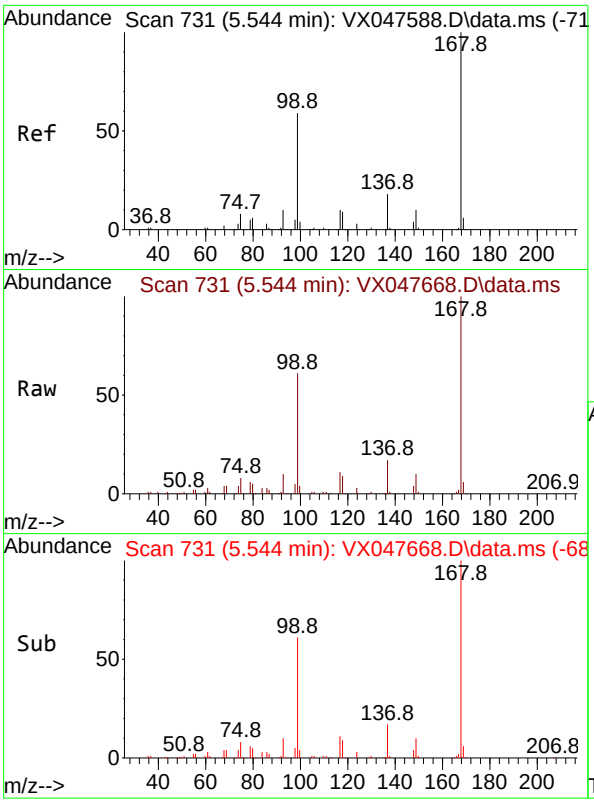
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091925\
Data File : VX047668.D
Acq On : 19 Sep 2025 12:29
Operator : JC/MD
Sample : Q3095-24
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW178I-20250910

Quant Time: Sep 20 00:30:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



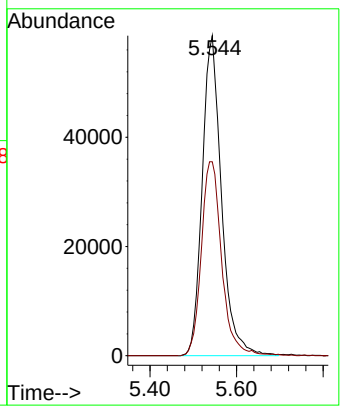


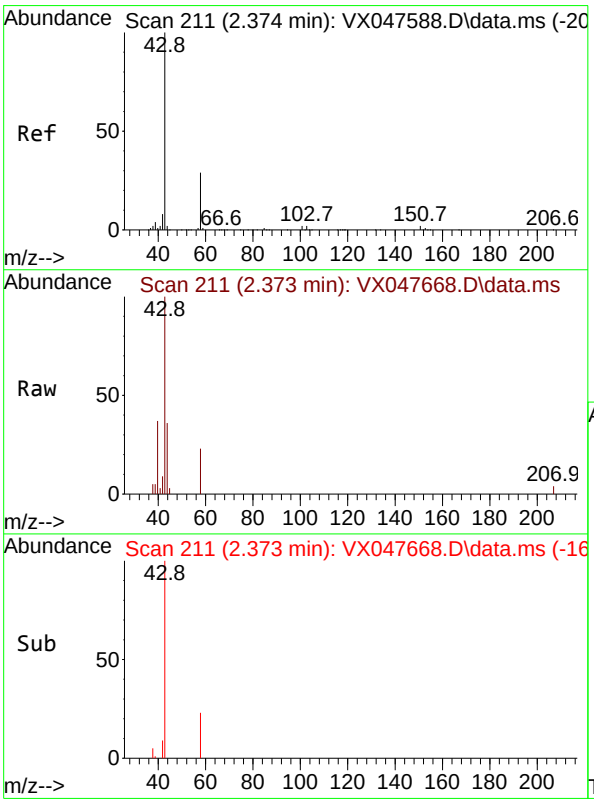
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047668.D
Acq: 19 Sep 2025 12:29

Instrument :
MSVOA_X
ClientSampleId :
MW178I-20250910

Tgt Ion:168 Resp: 181150

Ion	Ratio	Lower	Upper
168	100		
99	60.6	48.8	73.2

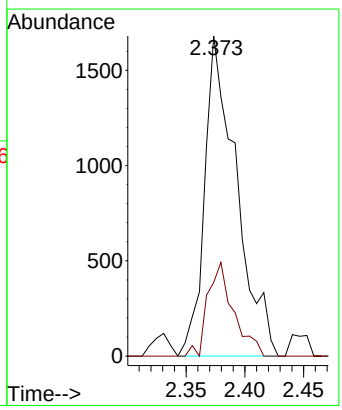


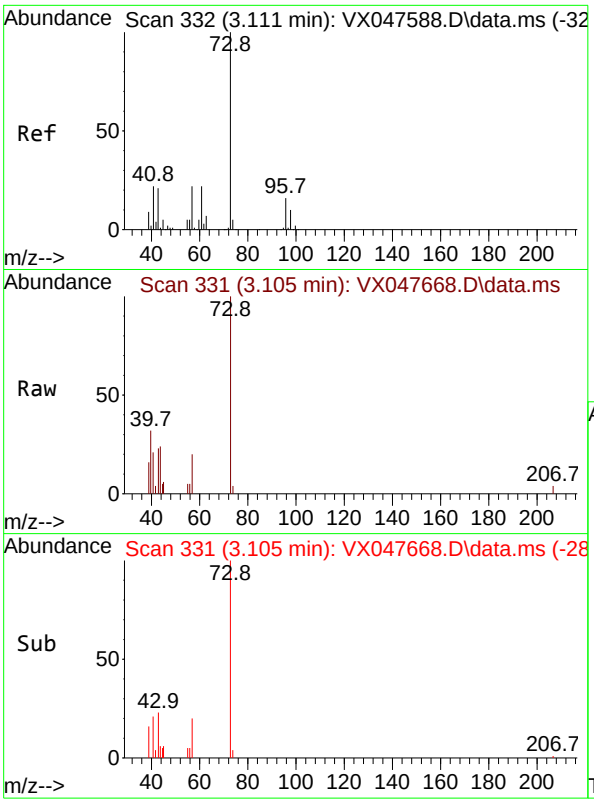


#16
Acetone
Concen: 2.530 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX047668.D
Acq: 19 Sep 2025 12:29

Tgt Ion: 43 Resp: 3172

Ion	Ratio	Lower	Upper
43	100		
58	23.0	23.4	35.0#



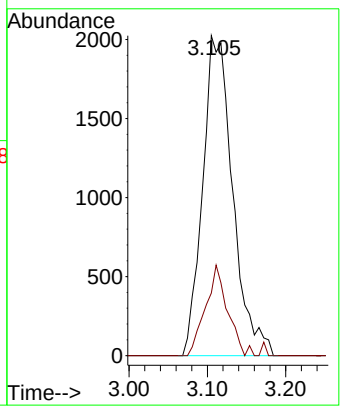


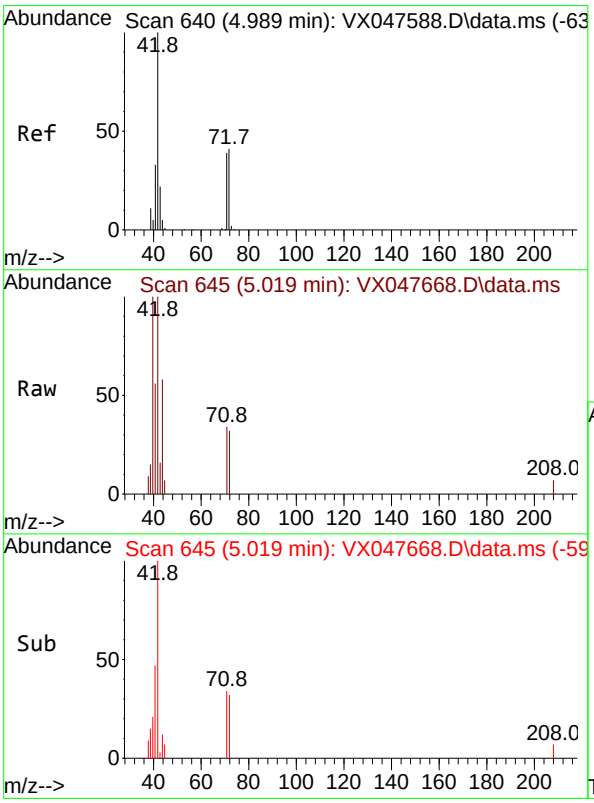
#19
Methyl tert-butyl Ether
Concen: 0.685 ug/l
RT: 3.105 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047668.D
Acq: 19 Sep 2025 12:29

Instrument :
MSVOA_X
ClientSampleId :
MW178I-20250910

Tgt Ion: 73 Resp: 5383

Ion	Ratio	Lower	Upper
73	100		
57	19.5	17.4	26.2

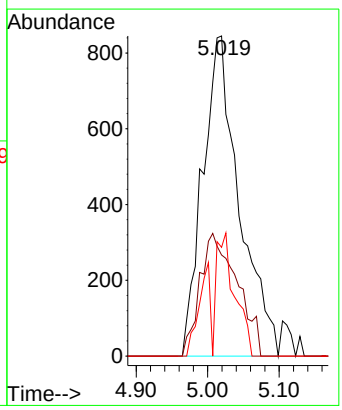


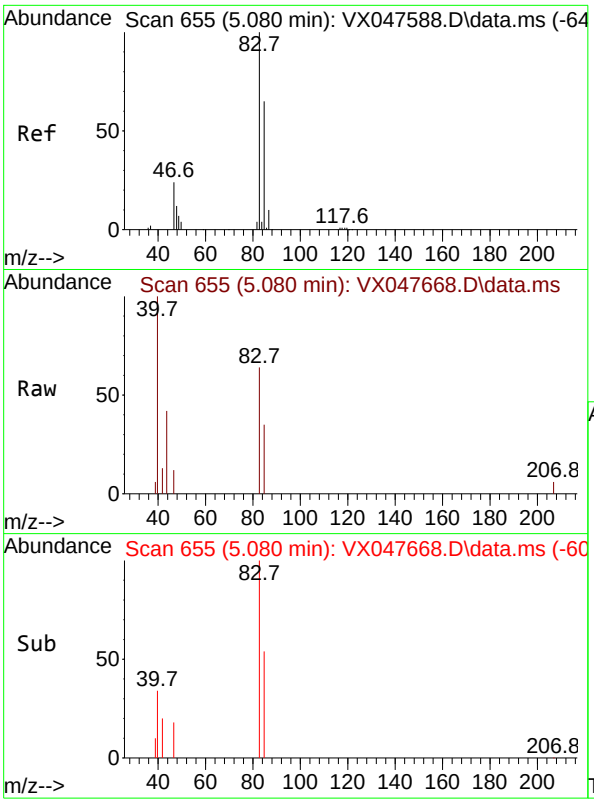


#29
Tetrahydrofuran
Concen: 3.182 ug/l
RT: 5.019 min Scan# 645
Delta R.T. 0.030 min
Lab File: VX047668.D
Acq: 19 Sep 2025 12:29

Tgt Ion: 42 Resp: 2994

Ion	Ratio	Lower	Upper
42	100		
72	0.0	34.2	51.2#
71	19.4	31.9	47.9#



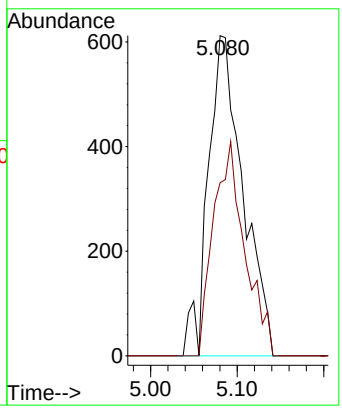


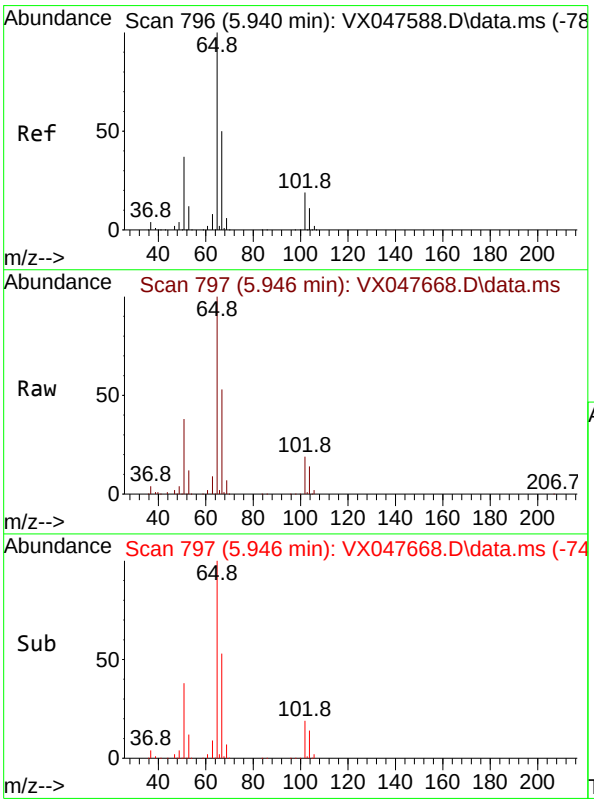
#30
Chloroform
Concen: 0.370 ug/l
RT: 5.080 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX047668.D
Acq: 19 Sep 2025 12:29

Instrument :
MSVOA_X
ClientSampleId :
MW178I-20250910

Tgt Ion: 83 Resp: 1711

Ion	Ratio	Lower	Upper
83	100		
85	54.1	51.8	77.6

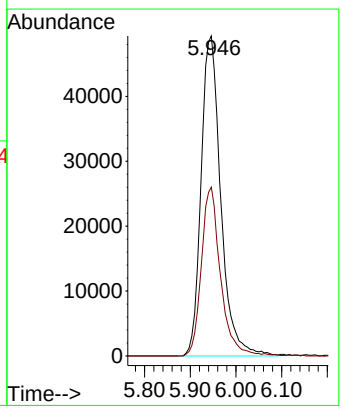


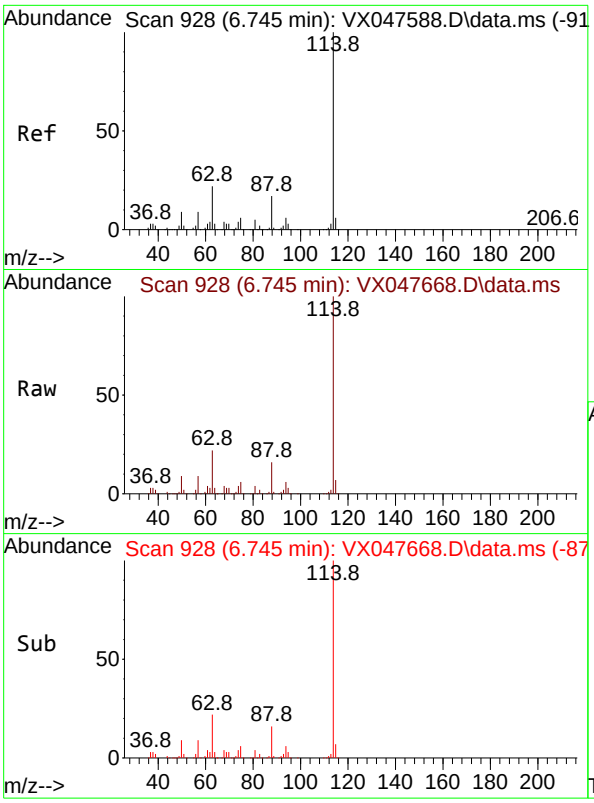


#33
1,2-Dichloroethane-d4
Concen: 51.098 ug/l
RT: 5.946 min Scan# 797
Delta R.T. 0.006 min
Lab File: VX047668.D
Acq: 19 Sep 2025 12:29

Tgt Ion: 65 Resp: 147340

Ion	Ratio	Lower	Upper
65	100		
67	51.3	0.0	103.0



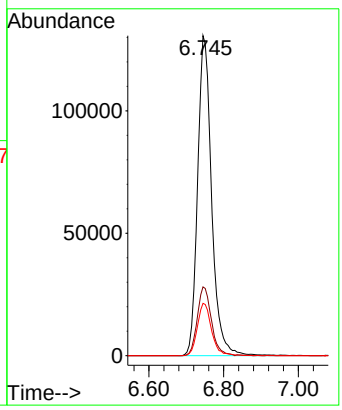


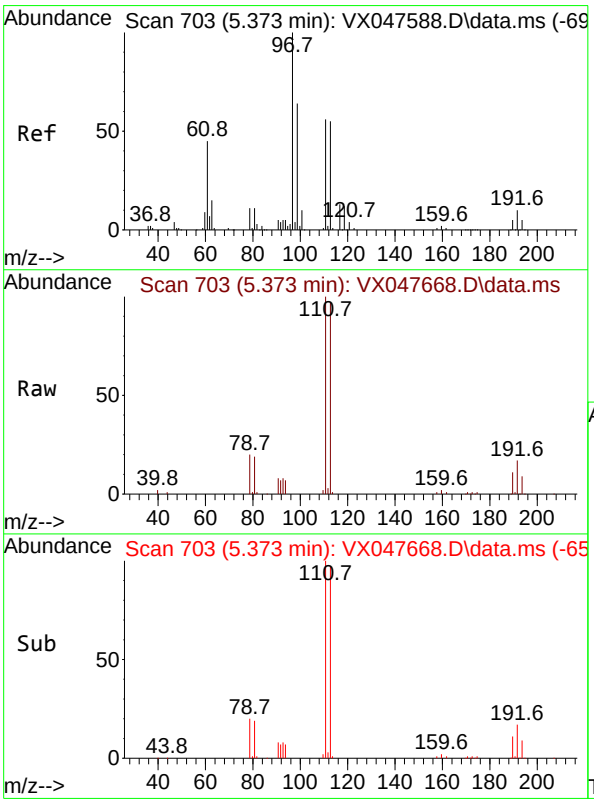
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX047668.D
Acq: 19 Sep 2025 12:29

Instrument :
MSVOA_X
ClientSampleId :
MW178I-20250910

Tgt Ion:114 Resp: 339462

Ion	Ratio	Lower	Upper
114	100		
63	21.5	0.0	44.0
88	16.3	0.0	34.2

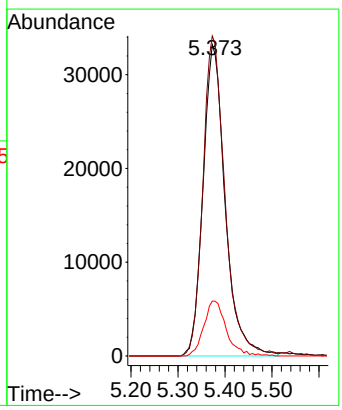


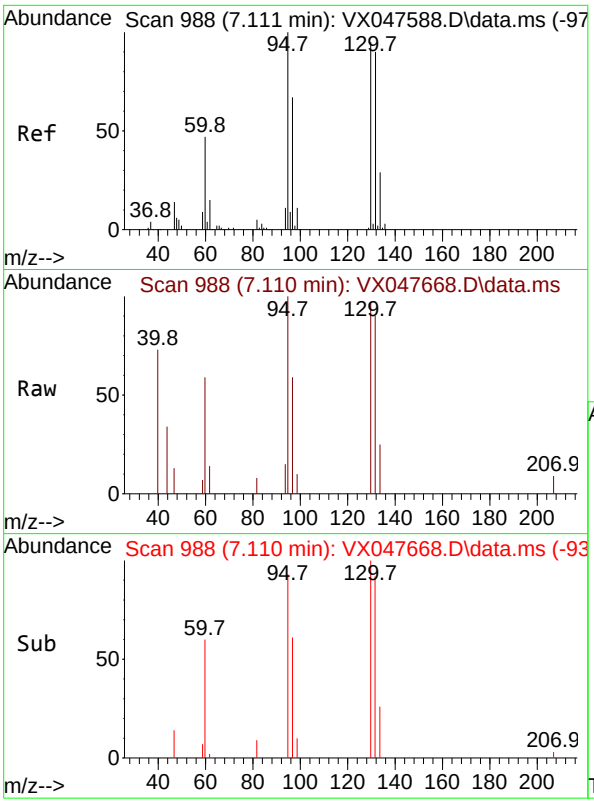


#35
Dibromofluoromethane
Concen: 47.569 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX047668.D
Acq: 19 Sep 2025 12:29

Tgt Ion:113 Resp: 108296

Ion	Ratio	Lower	Upper
113	100		
111	102.3	80.9	121.3
192	18.1	14.2	21.4



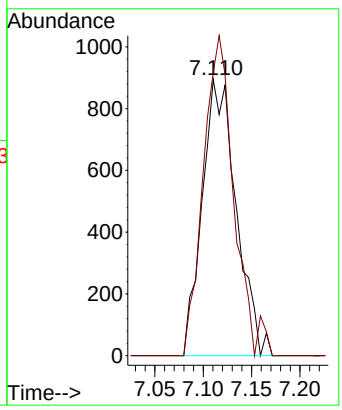


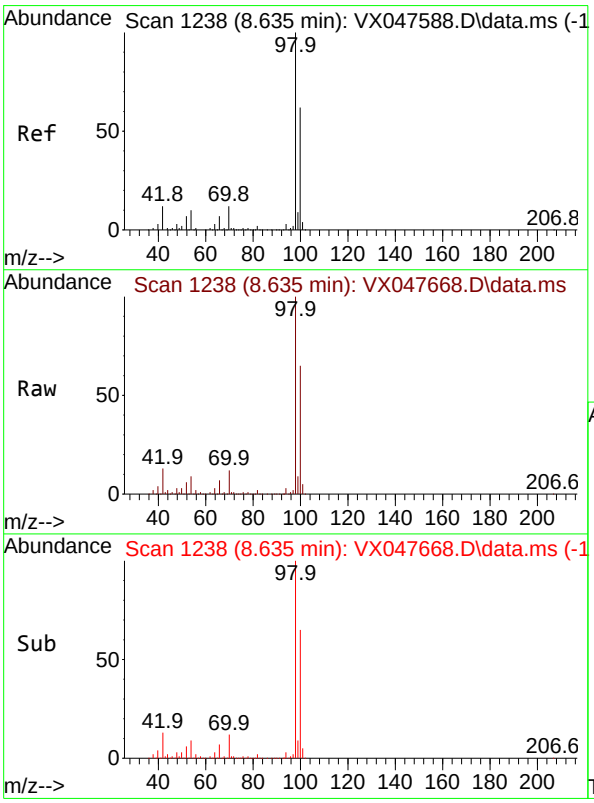
#44
Trichloroethene
Concen: 0.895 ug/l
RT: 7.110 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX047668.D
Acq: 19 Sep 2025 12:29

Instrument :
MSVOA_X
ClientSampleId :
MW178I-20250910

Tgt Ion:130 Resp: 2187

Ion	Ratio	Lower	Upper
130	100		
95	102.6	0.0	210.8

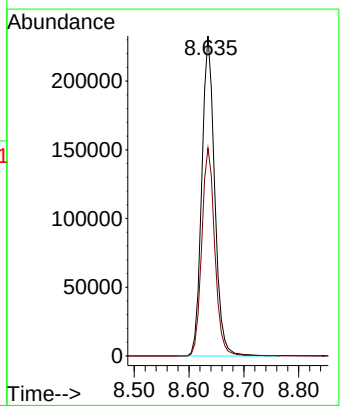


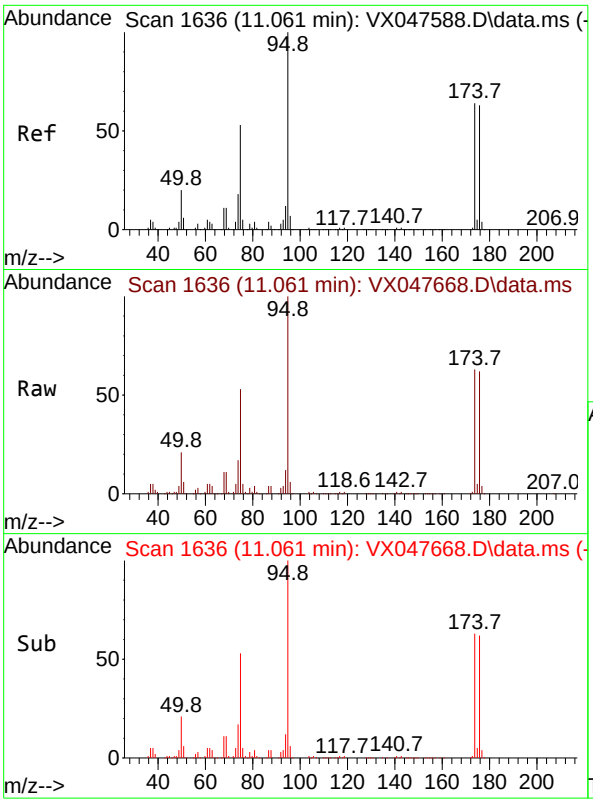


#50
Toluene-d8
Concen: 48.088 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX047668.D
Acq: 19 Sep 2025 12:29

Tgt Ion: 98 Resp: 378819

Ion	Ratio	Lower	Upper
98	100		
100	65.6	53.0	79.4



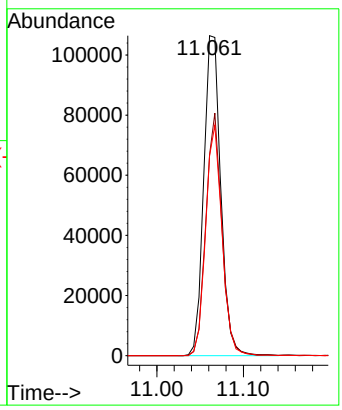


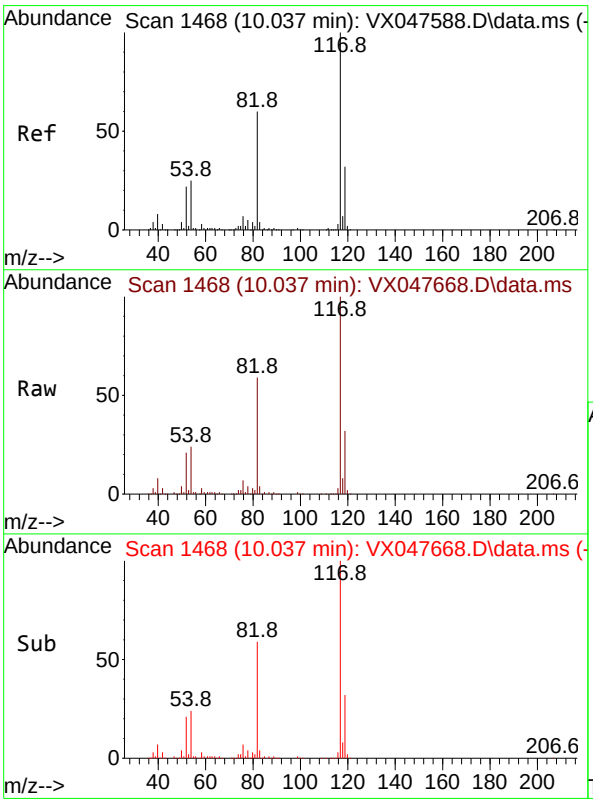
#62
4-Bromofluorobenzene
Concen: 48.701 ug/l
RT: 11.061 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047668.D
Acq: 19 Sep 2025 12:29

Instrument :
MSVOA_X
ClientSampleId :
MW178I-20250910

Tgt Ion: 95 Resp: 145599

Ion	Ratio	Lower	Upper
95	100		
174	71.4	0.0	141.6
176	69.2	0.0	138.4

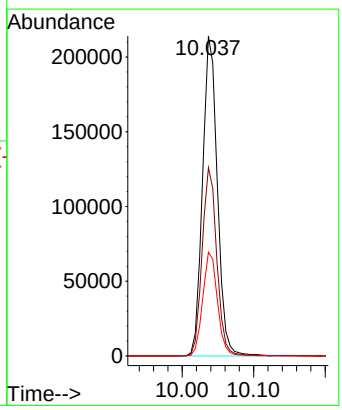


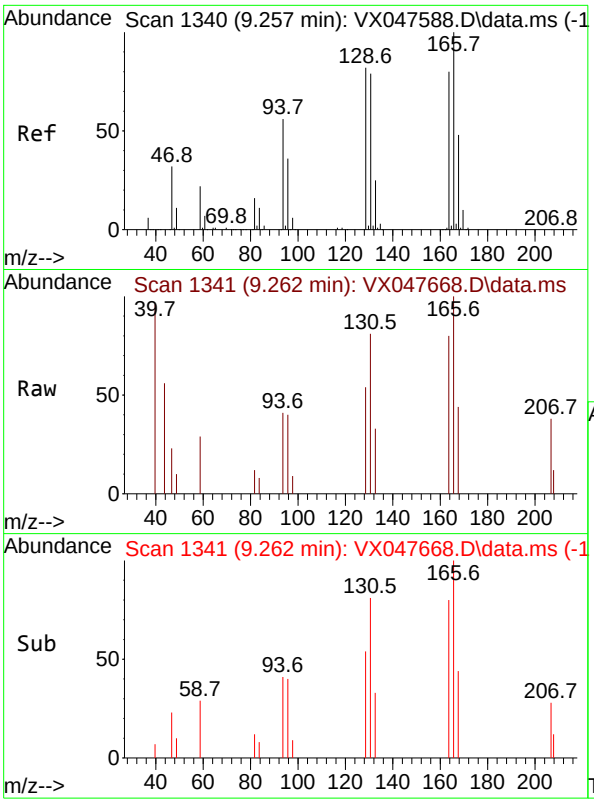


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX047668.D
Acq: 19 Sep 2025 12:29

Tgt Ion:117 Resp: 307986

Ion	Ratio	Lower	Upper
117	100		
82	58.9	47.8	71.6
119	32.4	25.2	37.8



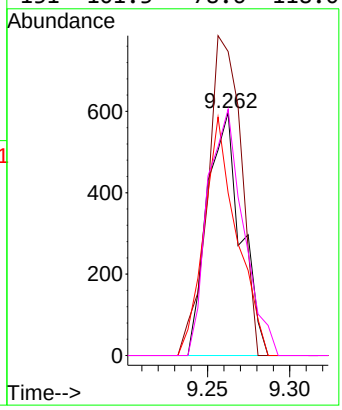


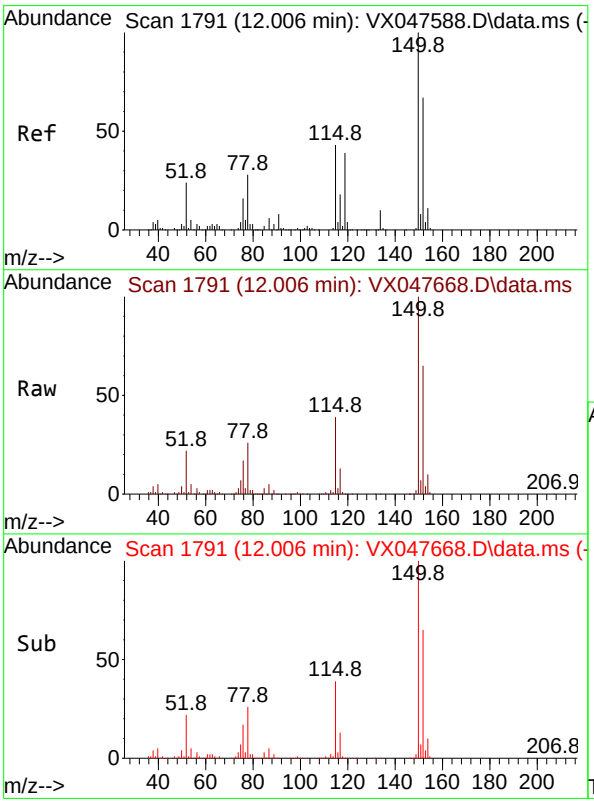
#64
Tetrachloroethene
Concen: 0.425 ug/l
RT: 9.262 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047668.D
Acq: 19 Sep 2025 12:29

Instrument :
MSVOA_X
ClientSampleId :
MW178I-20250910

Tgt Ion:164 Resp: 854

Ion	Ratio	Lower	Upper
164	100		
166	125.1	100.2	150.2
129	67.0	81.8	122.6#
131	101.3	78.6	118.0

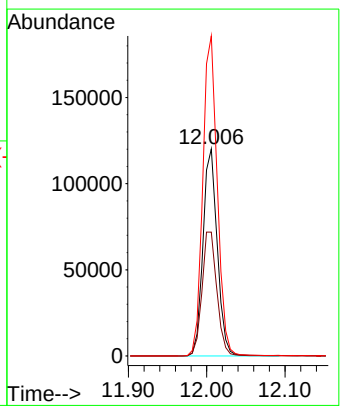




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047668.D
Acq: 19 Sep 2025 12:29

Tgt Ion:152 Resp: 151965

Ion	Ratio	Lower	Upper
152	100		
115	62.4	44.9	134.5
150	156.8	0.0	352.0



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:	09/10/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/12/25
Client Sample ID:	DUP02-20250910	SDG No.:	Q3095
Lab Sample ID:	Q3095-25	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047650.D	1	09/18/25 18:29	VX091825

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	8.10		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	2.00		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	1.30		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	1.80		0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	UQ	0.22	0.50	1.00	ug/L
67-66-3	Chloroform	0.81	J	0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.16	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	2900	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:	09/10/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/12/25
Client Sample ID:	DUP02-20250910	SDG No.:	Q3095
Lab Sample ID:	Q3095-25	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047650.D	1	09/18/25 18:29	VX091825

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	0.96	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	3.70		0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.12	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.15	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	53.7		81 - 118		107%	SPK: 50
1868-53-7	Dibromofluoromethane	50.9		80 - 119		102%	SPK: 50
2037-26-5	Toluene-d8	44.7		89 - 112		89%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.7		85 - 114		93%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	167000	5.538				
540-36-3	1,4-Difluorobenzene	312000	6.751				
3114-55-4	Chlorobenzene-d5	254000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	123000	12.006				

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:	09/10/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/12/25
Client Sample ID:	DUP02-20250910	SDG No.:	Q3095
Lab Sample ID:	Q3095-25	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047650.D	1	09/18/25 18:29	VX091825

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\VX091825\
Data File : VX047650.D
Acq On : 18 Sep 2025 18:29
Operator : JC/MD
Sample : Q3095-25
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
DUP02-20250910

Quant Time: Sep 19 01:35:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

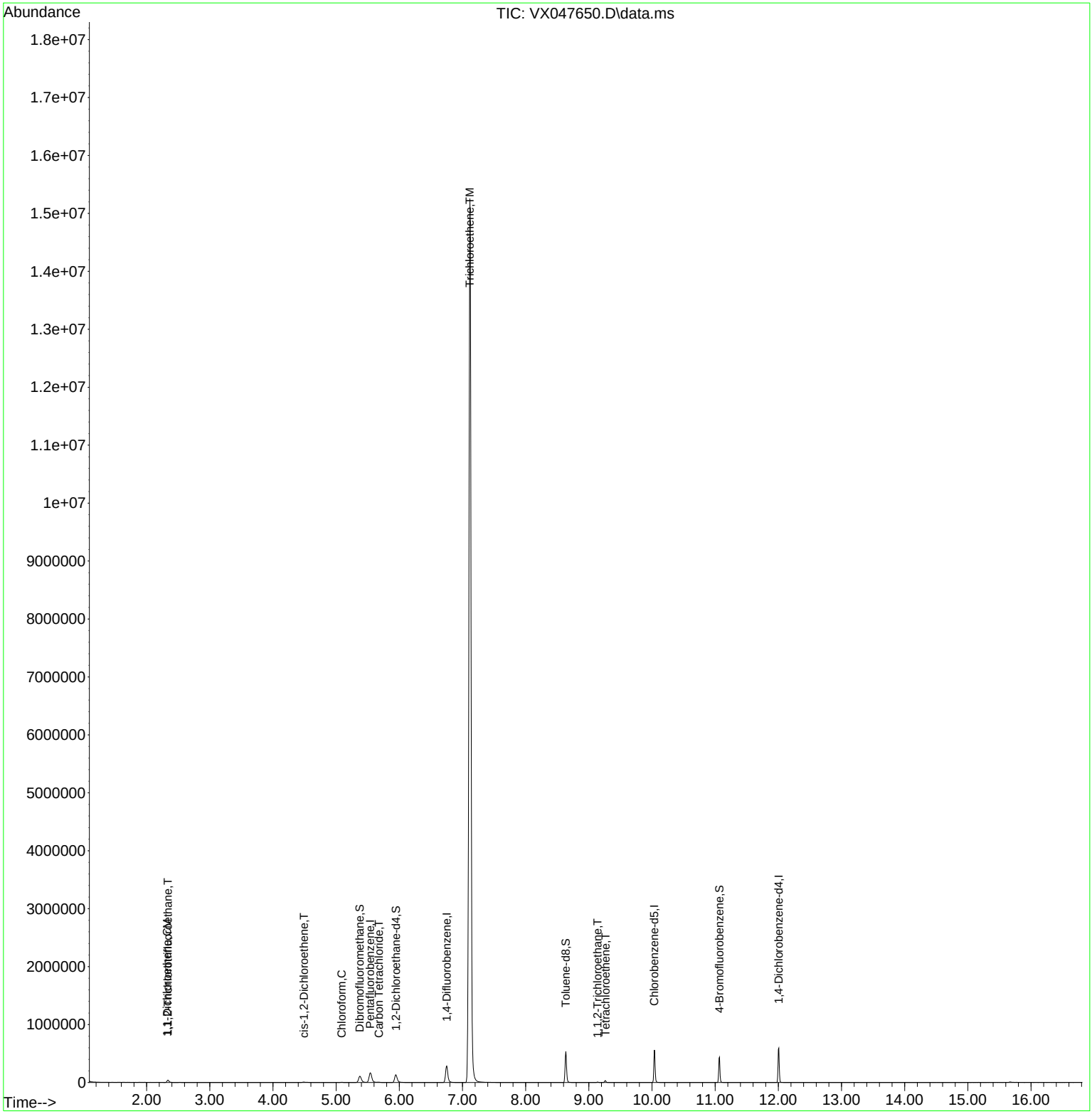
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.538	168	167095	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	311560	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	253664	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	122561	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	142956	53.748	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 107.500%			
35) Dibromofluoromethane	5.373	113	106335	50.890	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.780%			
50) Toluene-d8	8.635	98	323179	44.699	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 89.400%#			
62) 4-Bromofluorobenzene	11.067	95	128276	46.749	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 93.500%			
Target Compounds						Qvalue
9) 1,1,2-Trichlorotrifluo...	2.337	101	15734	8.141	ug/l	98
12) 1,1-Dichloroethene	2.325	96	3873	1.951	ug/l	85
27) cis-1,2-Dichloroethene	4.489	96	4811	1.838	ug/l	86
30) Chloroform	5.087	83	3435	0.806	ug/l	94
38) Carbon Tetrachloride	5.678	117	4273	1.288	ug/l #	89
44) Trichloroethene	7.117	130	6398112	2853.770	ug/l	98
55) 1,1,2-Trichloroethane	9.135	97	2123	0.964	ug/l	95
64) Tetrachloroethene	9.263	164	6179	3.737	ug/l	92

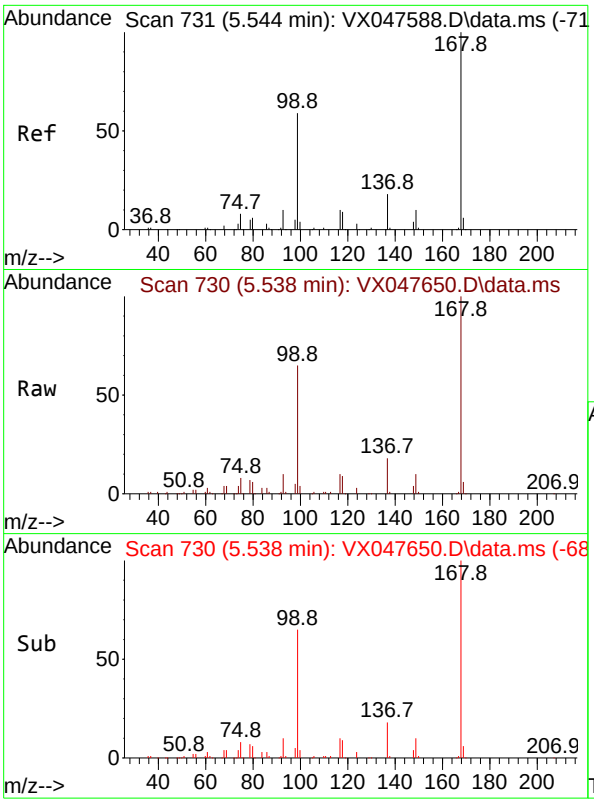
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091825\
Data File : VX047650.D
Acq On : 18 Sep 2025 18:29
Operator : JC/MD
Sample : Q3095-25
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
DUP02-20250910

Quant Time: Sep 19 01:35:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



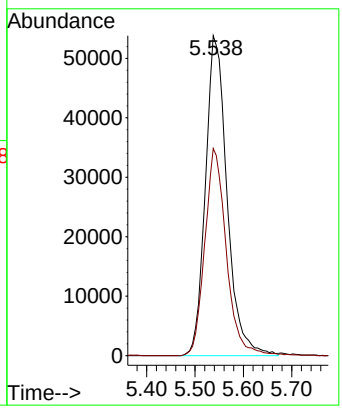


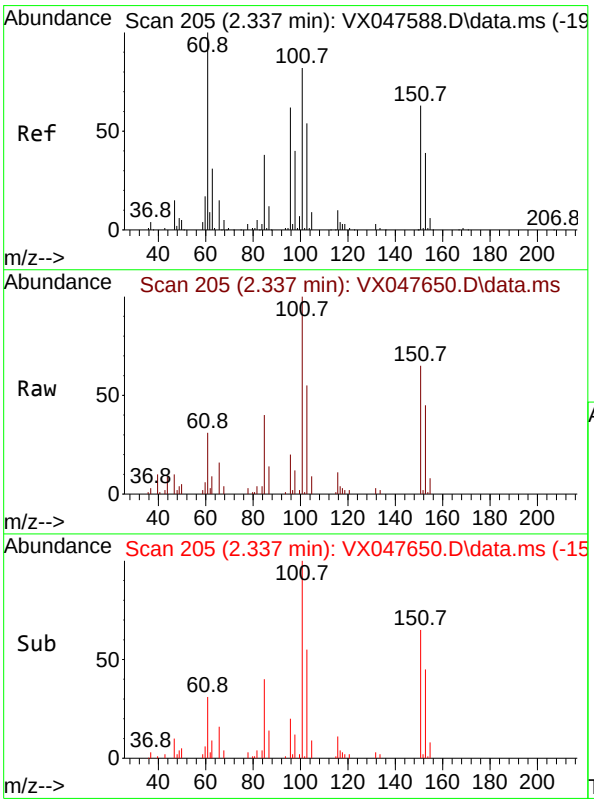
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047650.D
Acq: 18 Sep 2025 18:29

Instrument :
MSVOA_X
ClientSampleId :
DUP02-20250910

Tgt Ion:168 Resp: 167095

Ion	Ratio	Lower	Upper
168	100		
99	64.7	48.8	73.2

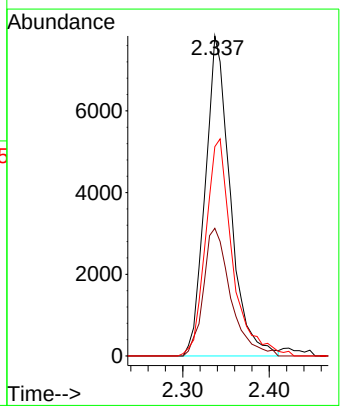


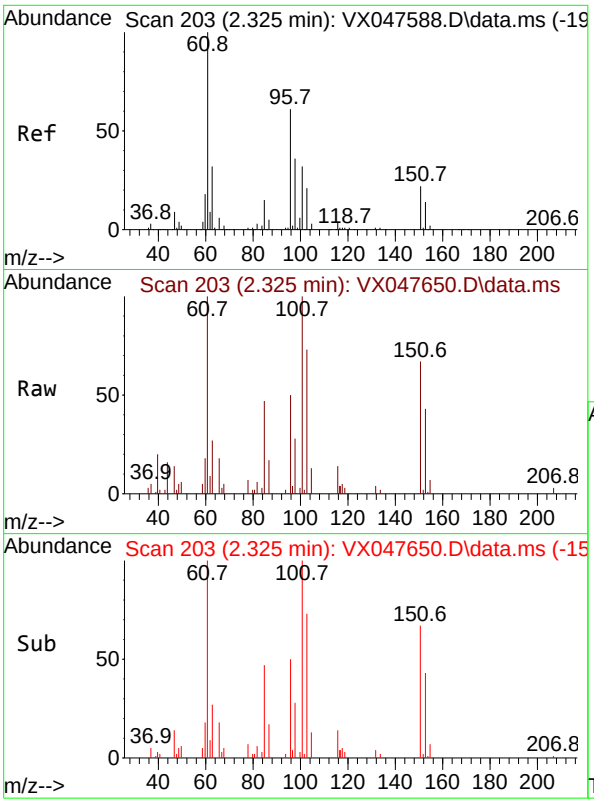


#9
1,1,2-Trichlorotrifluoroethane
Concen: 8.141 ug/l
RT: 2.337 min Scan# 205
Delta R.T. 0.000 min
Lab File: VX047650.D
Acq: 18 Sep 2025 18:29

Tgt Ion:101 Resp: 15734

Ion	Ratio	Lower	Upper
101	100		
85	43.3	35.5	53.3
151	72.5	59.4	89.0



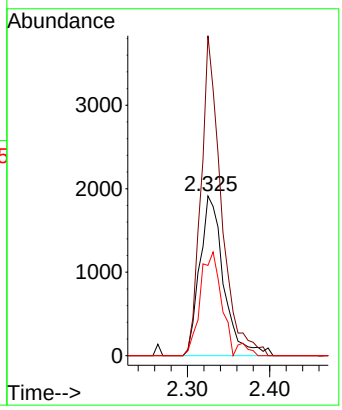


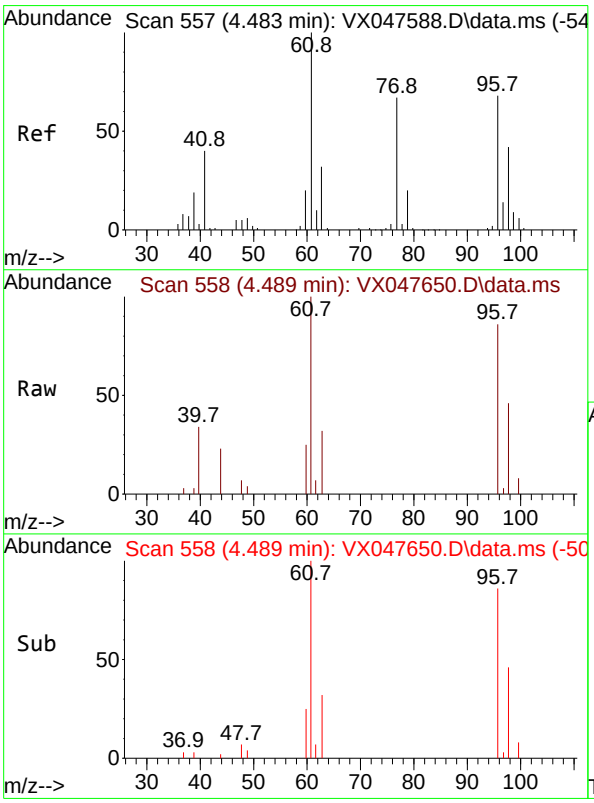
#12
1,1-Dichloroethene
Concen: 1.951 ug/l
RT: 2.325 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX047650.D
Acq: 18 Sep 2025 18:29

Instrument :
MSVOA_X
ClientSampleId :
DUP02-20250910

Tgt Ion: 96 Resp: 3873

Ion	Ratio	Lower	Upper
96	100		
61	186.5	131.0	196.6
98	52.6	47.7	71.5

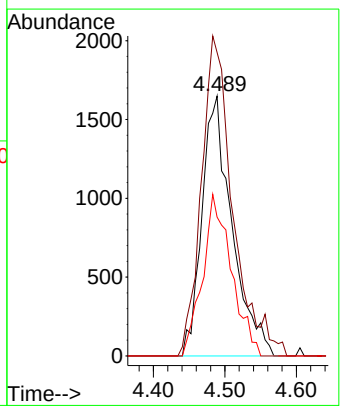


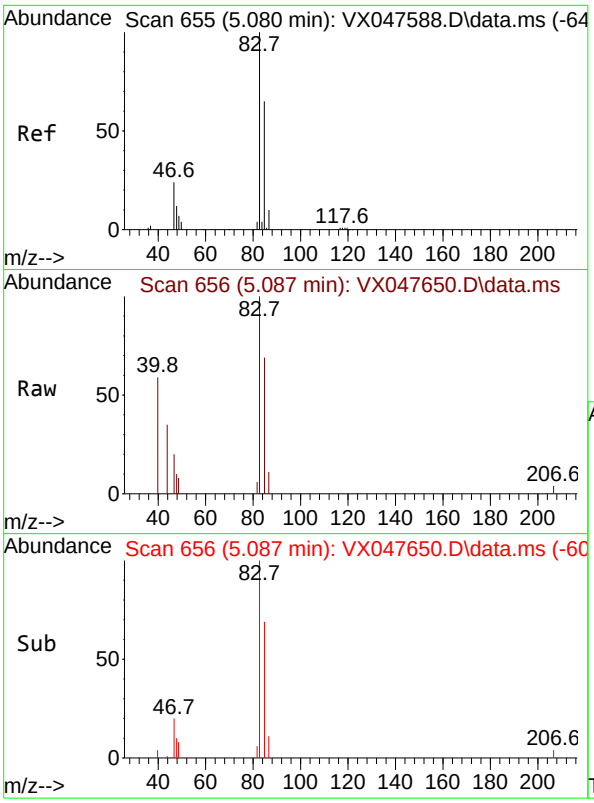


#27
cis-1,2-Dichloroethene
Concen: 1.838 ug/l
RT: 4.489 min Scan# 558
Delta R.T. 0.006 min
Lab File: VX047650.D
Acq: 18 Sep 2025 18:29

Tgt Ion: 96 Resp: 4811

Ion	Ratio	Lower	Upper
96	100		
61	128.6	0.0	303.2
98	59.5	0.0	127.8



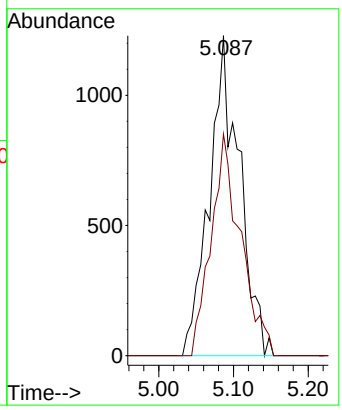


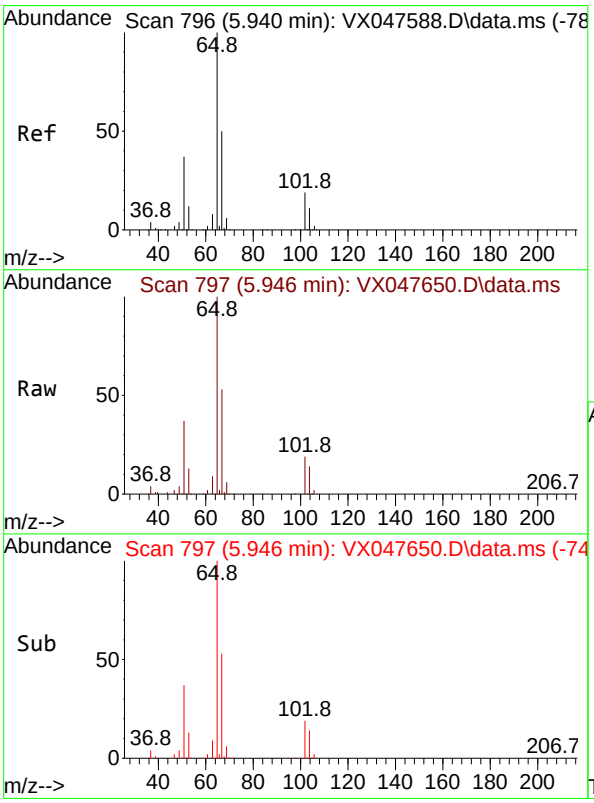
#30
Chloroform
Concen: 0.806 ug/l
RT: 5.087 min Scan# 6
Delta R.T. 0.006 min
Lab File: VX047650.D
Acq: 18 Sep 2025 18:29

Instrument :
MSVOA_X
ClientSampleId :
DUP02-20250910

Tgt Ion: 83 Resp: 3435

Ion	Ratio	Lower	Upper
83	100		
85	69.2	51.8	77.6

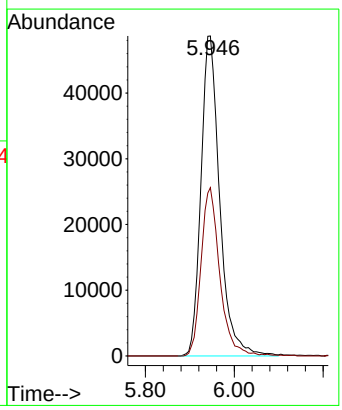


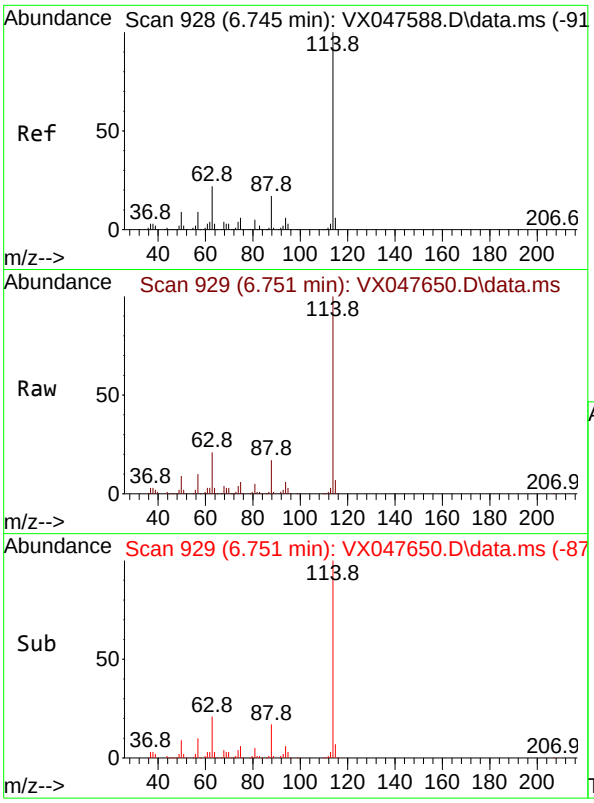


#33
1,2-Dichloroethane-d4
Concen: 53.748 ug/l
RT: 5.946 min Scan# 797
Delta R.T. 0.006 min
Lab File: VX047650.D
Acq: 18 Sep 2025 18:29

Tgt Ion: 65 Resp: 142956

Ion	Ratio	Lower	Upper
65	100		
67	52.3	0.0	103.0



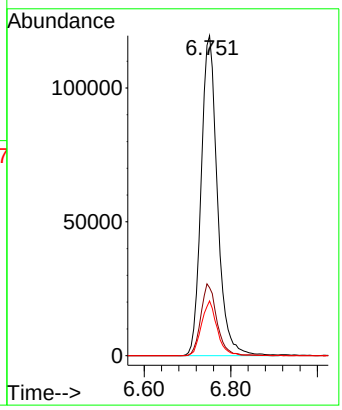


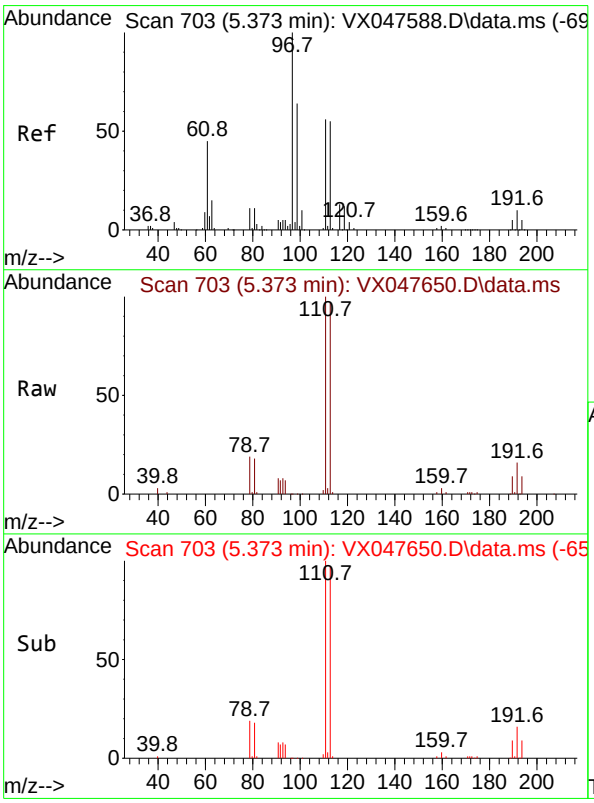
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 9
Delta R.T. 0.006 min
Lab File: VX047650.D
Acq: 18 Sep 2025 18:29

Instrument :
MSVOA_X
ClientSampleId :
DUP02-20250910

Tgt Ion:114 Resp: 311560

Ion	Ratio	Lower	Upper
114	100		
63	21.3	0.0	44.0
88	17.1	0.0	34.2

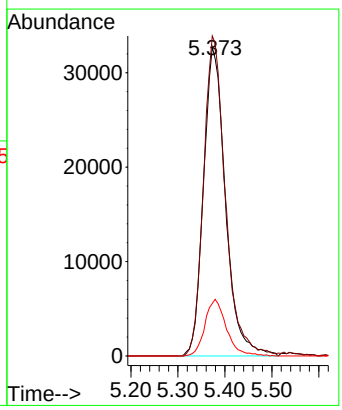


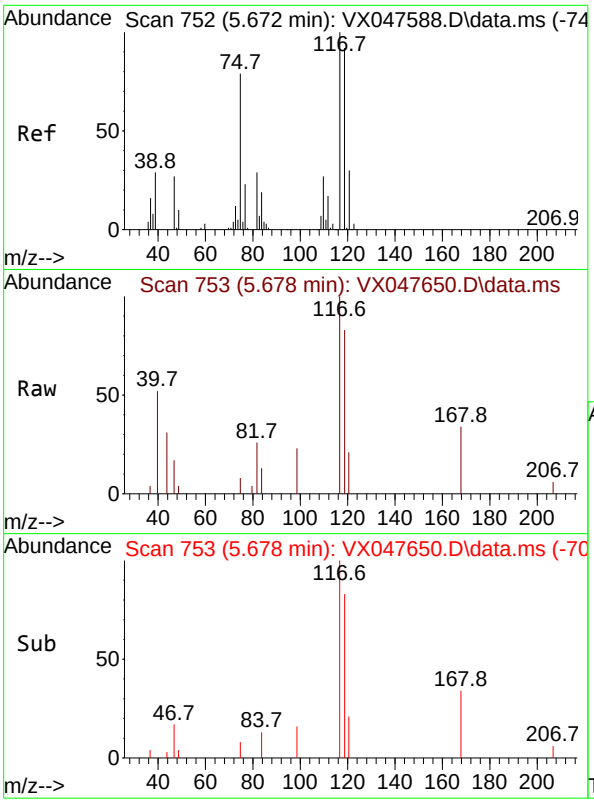


#35
Dibromofluoromethane
Concen: 50.890 ug/l
RT: 5.373 min Scan# 703
Delta R.T. 0.000 min
Lab File: VX047650.D
Acq: 18 Sep 2025 18:29

Tgt Ion:113 Resp: 106335

Ion	Ratio	Lower	Upper
113	100		
111	102.5	80.9	121.3
192	17.9	14.2	21.4



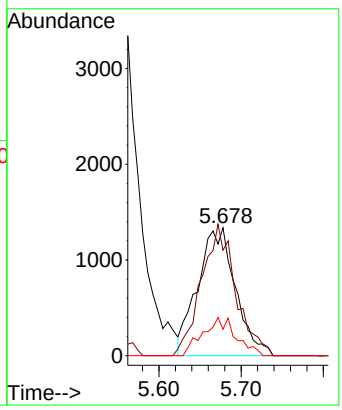


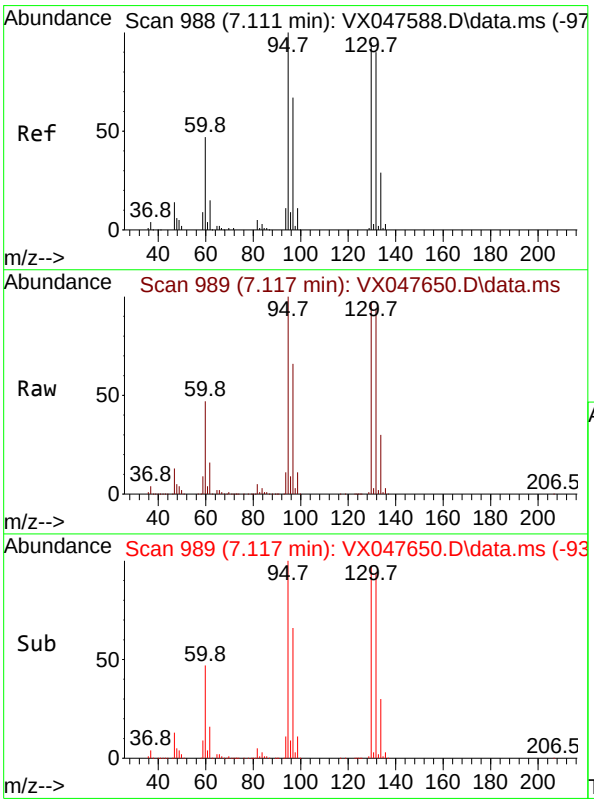
#38
Carbon Tetrachloride
Concen: 1.288 ug/l
RT: 5.678 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047650.D
Acq: 18 Sep 2025 18:29

Instrument :
MSVOA_X
ClientSampleId :
DUP02-20250910

Tgt Ion:117 Resp: 4273

Ion	Ratio	Lower	Upper
117	100		
119	82.5	73.4	110.2
121	20.7	23.8	35.6#

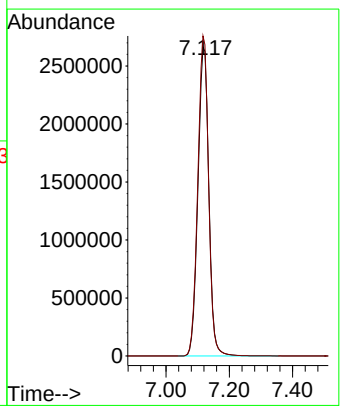


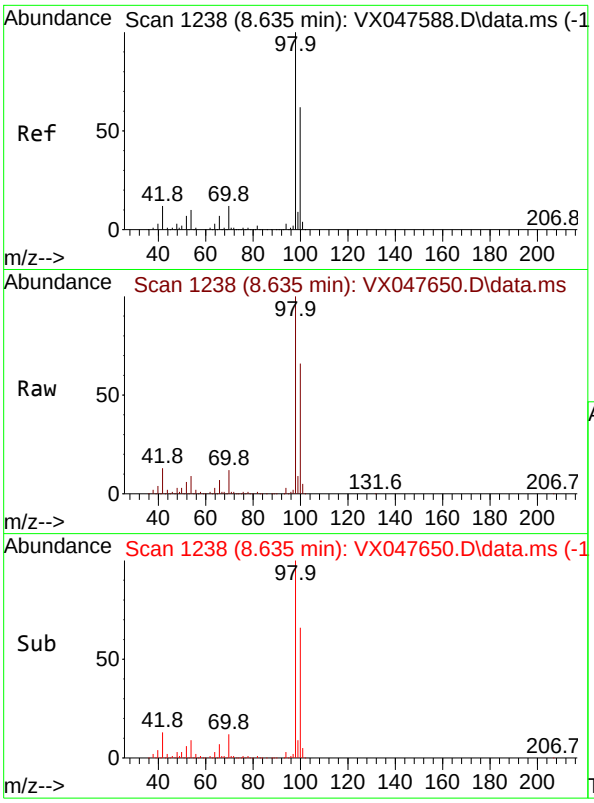


#44
Trichloroethene
Concen: 2853.770 ug/l
RT: 7.117 min Scan# 989
Delta R.T. 0.006 min
Lab File: VX047650.D
Acq: 18 Sep 2025 18:29

Tgt Ion:130 Resp: 6398112

Ion	Ratio	Lower	Upper
130	100		
95	103.6	0.0	210.8



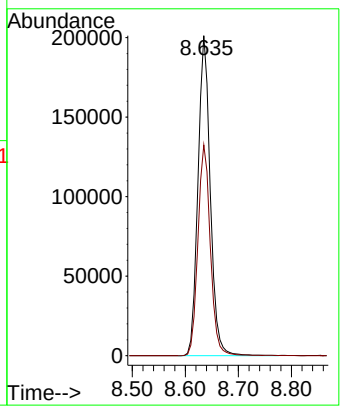


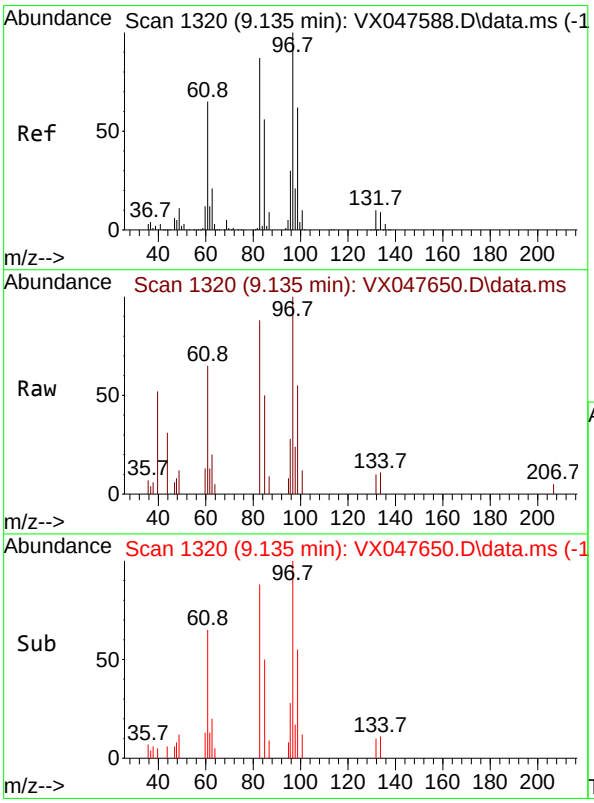
#50
Toluene-d8
Concen: 44.699 ug/l
RT: 8.635 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047650.D
Acq: 18 Sep 2025 18:29

Instrument :
MSVOA_X
ClientSampleId :
DUP02-20250910

Tgt Ion: 98 Resp: 323179

Ion	Ratio	Lower	Upper
98	100		
100	66.5	53.0	79.4

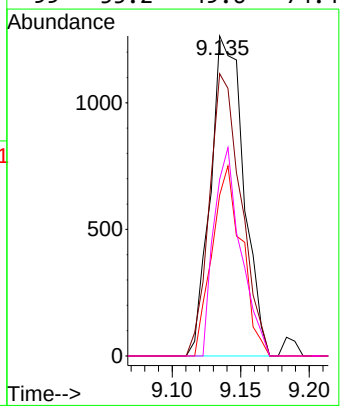


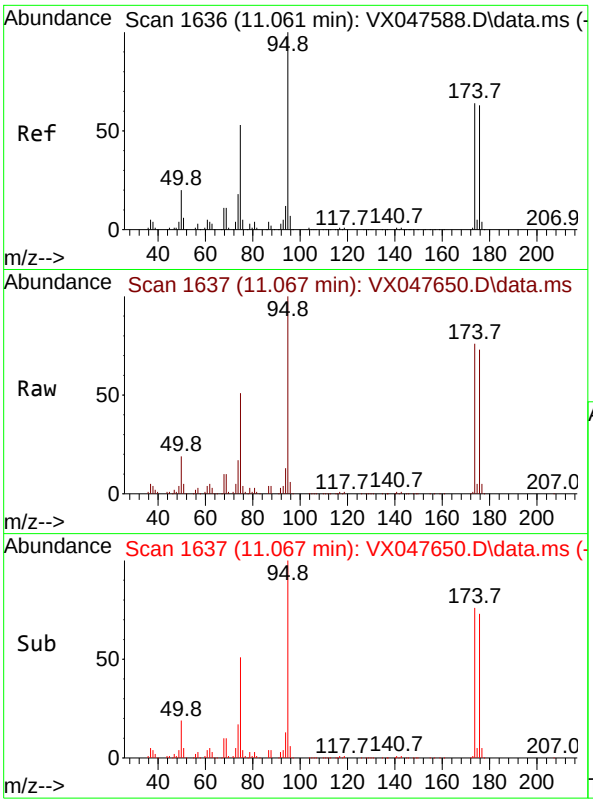


#55
1,1,2-Trichloroethane
Concen: 0.964 ug/l
RT: 9.135 min Scan# 1320
Delta R.T. 0.000 min
Lab File: VX047650.D
Acq: 18 Sep 2025 18:29

Tgt Ion: 97 Resp: 2123

Ion	Ratio	Lower	Upper
97	100		
83	88.2	69.6	104.4
85	50.3	45.0	67.6
99	55.2	49.6	74.4



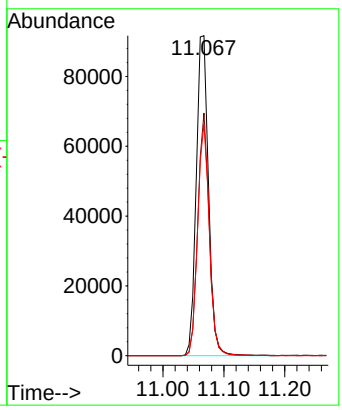


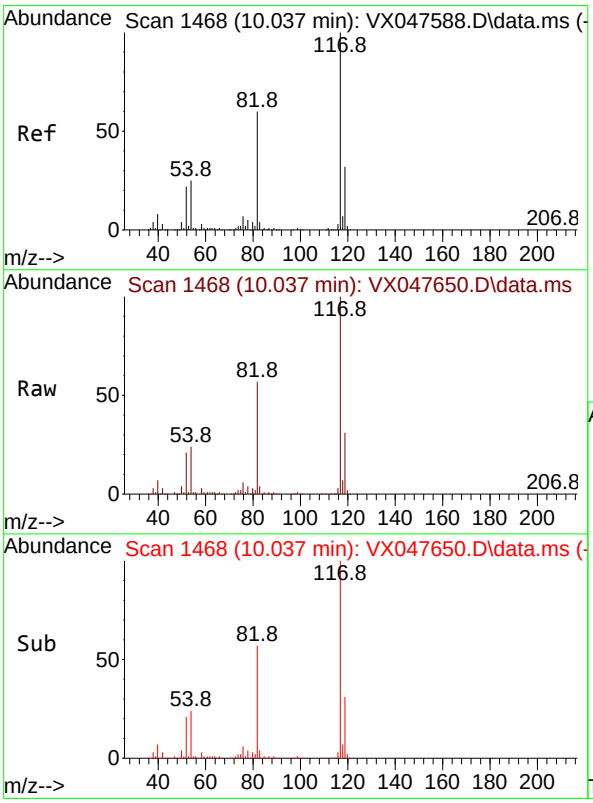
#62
4-Bromofluorobenzene
Concen: 46.749 ug/l
RT: 11.067 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047650.D
Acq: 18 Sep 2025 18:29

Instrument :
MSVOA_X
ClientSampleId :
DUP02-20250910

Tgt Ion: 95 Resp: 128276

Ion	Ratio	Lower	Upper
95	100		
174	70.7	0.0	141.6
176	68.8	0.0	138.4

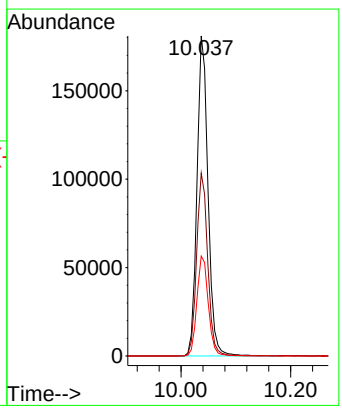


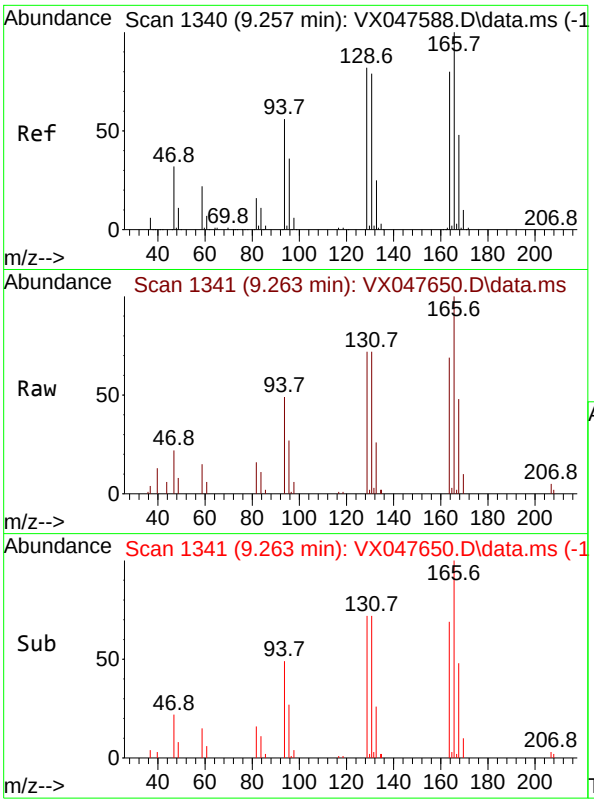


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. 0.000 min
Lab File: VX047650.D
Acq: 18 Sep 2025 18:29

Tgt Ion:117 Resp: 253664

Ion	Ratio	Lower	Upper
117	100		
82	57.1	47.8	71.6
119	31.2	25.2	37.8



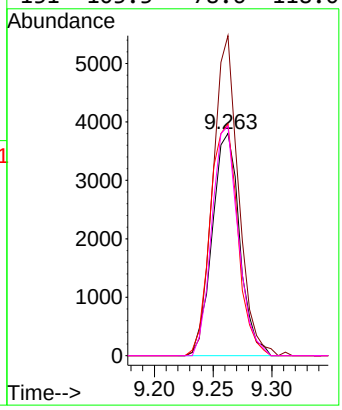


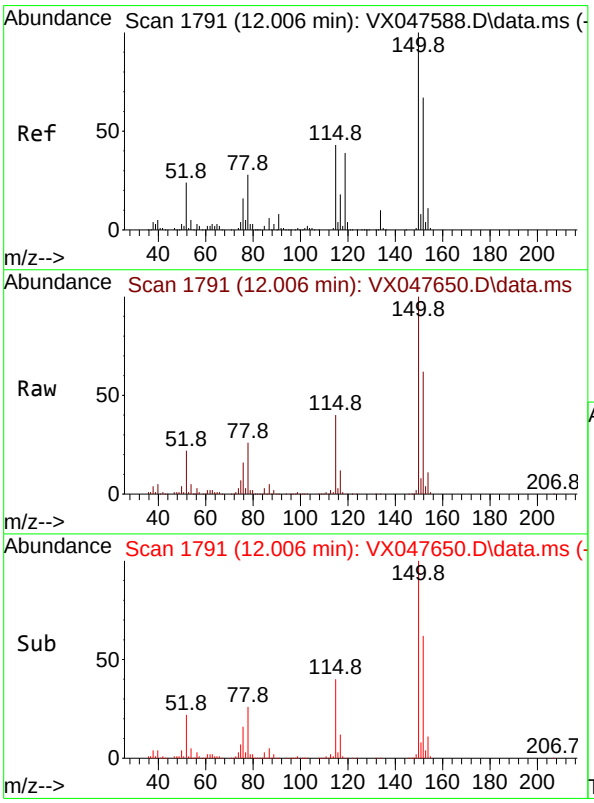
#64
Tetrachloroethene
Concen: 3.737 ug/l
RT: 9.263 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047650.D
Acq: 18 Sep 2025 18:29

Instrument :
MSVOA_X
ClientSampleId :
DUP02-20250910

Tgt Ion:164 Resp: 6179

Ion	Ratio	Lower	Upper
164	100		
166	144.0	100.2	150.2
129	104.3	81.8	122.6
131	103.3	78.6	118.0

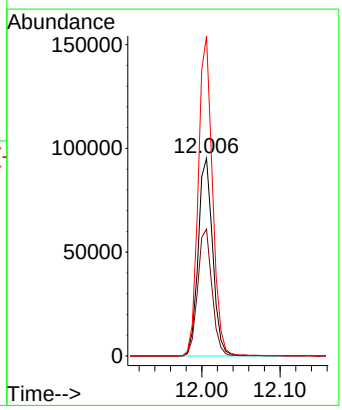




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX047650.D
Acq: 18 Sep 2025 18:29

Tgt Ion:152 Resp: 122561

Ion	Ratio	Lower	Upper
152	100		
115	63.4	44.9	134.5
150	158.5	0.0	352.0



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:	09/10/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/12/25
Client Sample ID:	DUP02-20250910DL	SDG No.:	Q3095
Lab Sample ID:	Q3095-25DL	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047666.D	50	09/19/25 11:47	VX091925

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	UD	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	2900	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:	09/10/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/12/25
Client Sample ID:	DUP02-20250910DL	SDG No.:	Q3095
Lab Sample ID:	Q3095-25DL	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047666.D	50	09/19/25 11:47	VX091925

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	54.5		81 - 118		109%	SPK: 50
1868-53-7	Dibromofluoromethane	54.1		80 - 119		108%	SPK: 50
2037-26-5	Toluene-d8	54.3		89 - 112		109%	SPK: 50
460-00-4	4-Bromofluorobenzene	55.2		85 - 114		110%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	190000	5.544				
540-36-3	1,4-Difluorobenzene	344000	6.751				
3114-55-4	Chlorobenzene-d5	310000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	151000	12.006				

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:	09/10/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/12/25
Client Sample ID:	DUP02-20250910DL	SDG No.:	Q3095
Lab Sample ID:	Q3095-25DL	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047666.D	50	09/19/25 11:47	VX091925

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\VX091925\
Data File : VX047666.D
Acq On : 19 Sep 2025 11:47
Operator : JC/MD
Sample : Q3095-25DL 50X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
DUP02-20250910DL

Quant Time: Sep 20 00:29:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

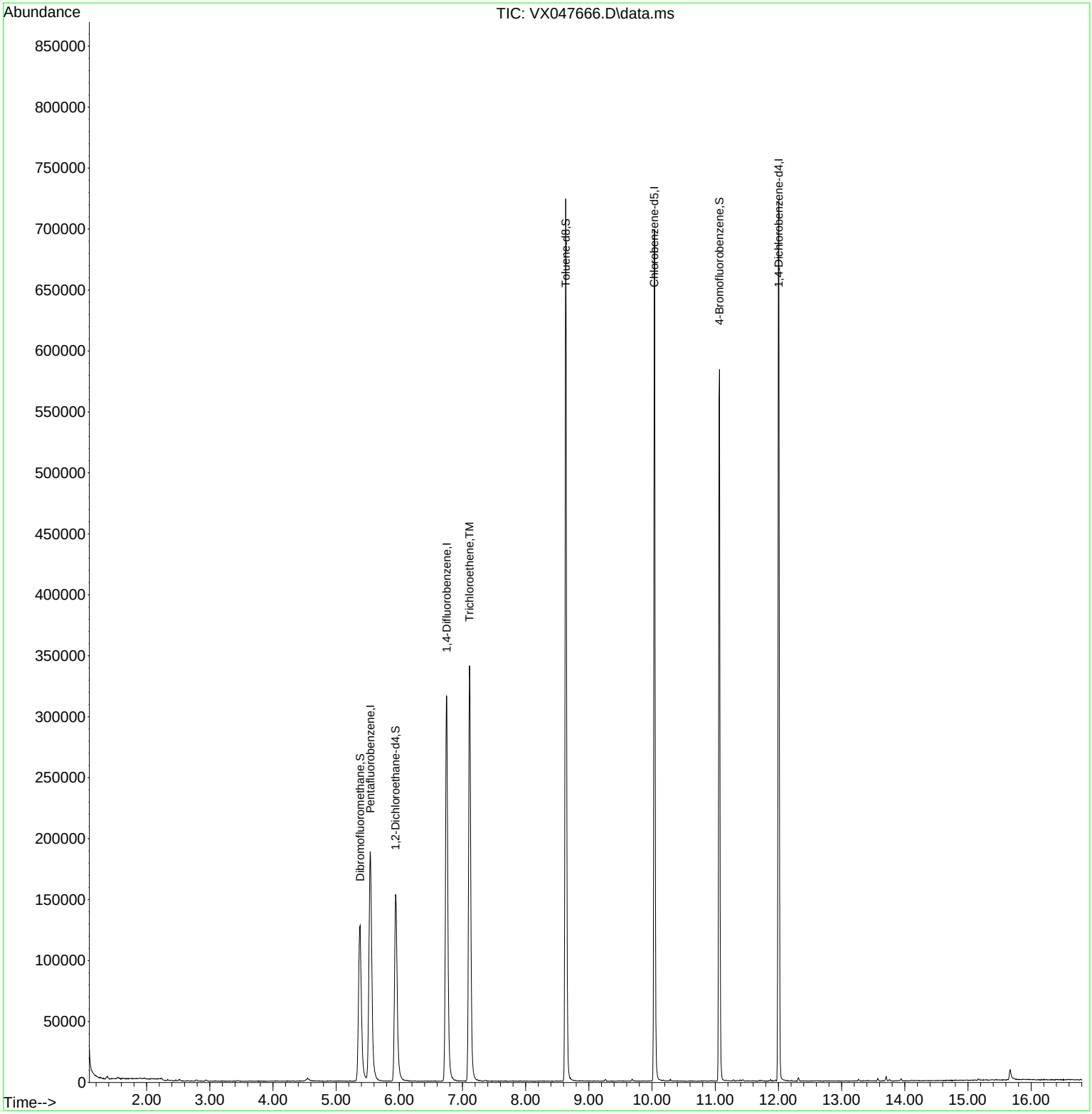
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	189981	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	344496	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	309572	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	151017	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	164845	54.512	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 109.020%			
35) Dibromofluoromethane	5.379	113	124924	54.071	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 108.140%			
50) Toluene-d8	8.634	98	434109	54.302	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 108.600%			
62) 4-Bromofluorobenzene	11.067	95	167474	55.199	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 110.400%			
Target Compounds						Qvalue
44) Trichloroethene	7.110	130	144090	58.124	ug/l	94

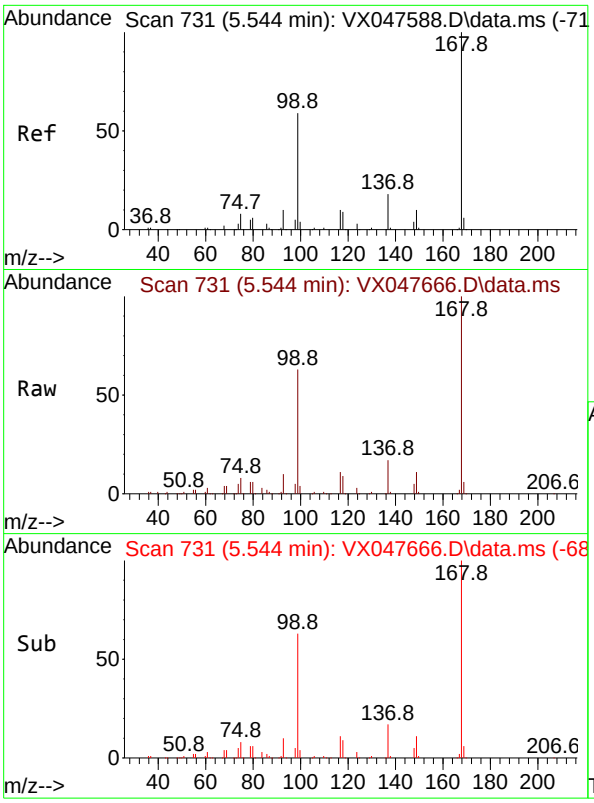
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091925\
Data File : VX047666.D
Acq On : 19 Sep 2025 11:47
Operator : JC/MD
Sample : Q3095-25DL 50X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
DUP02-20250910DL

Quant Time: Sep 20 00:29:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



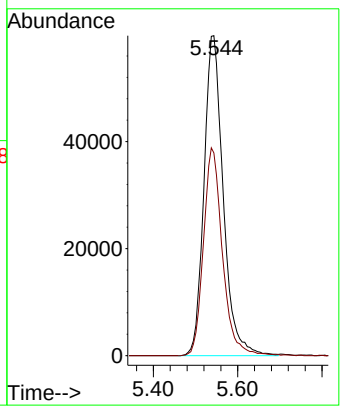


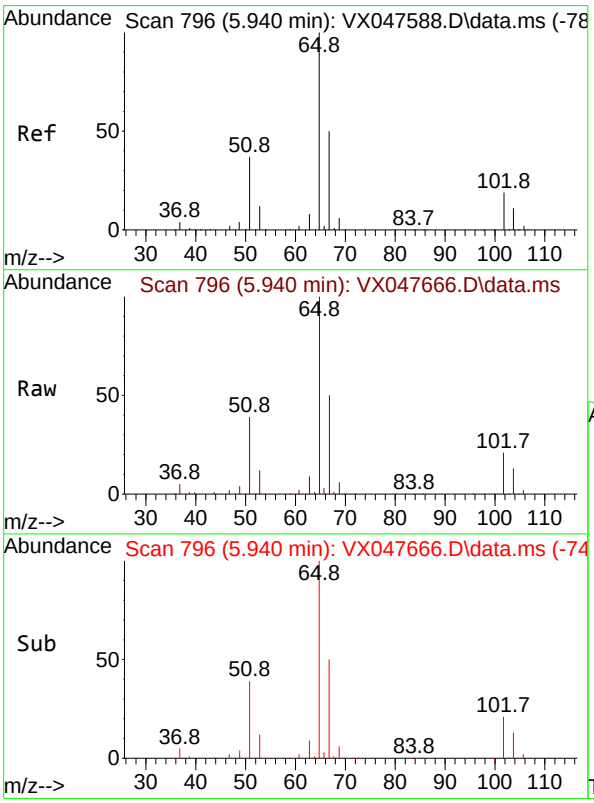
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047666.D
Acq: 19 Sep 2025 11:47

Instrument :
MSVOA_X
ClientSampleId :
DUP02-20250910DL

Tgt Ion:168 Resp: 189981

Ion	Ratio	Lower	Upper
168	100		
99	63.4	48.8	73.2

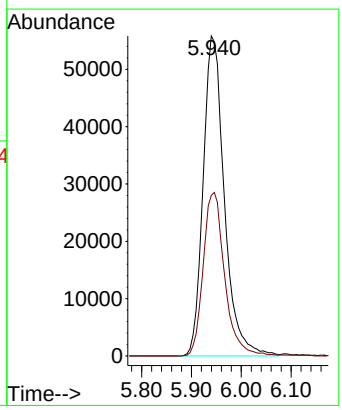


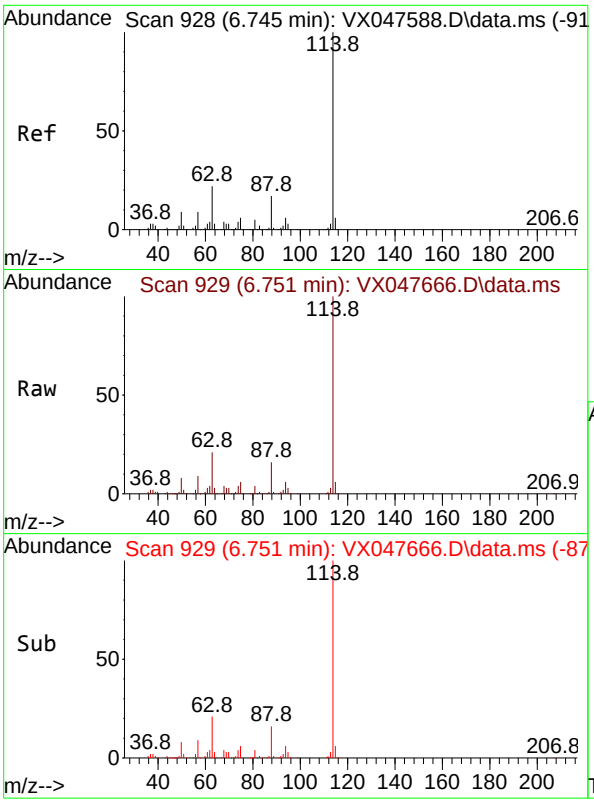


#33
1,2-Dichloroethane-d4
Concen: 54.512 ug/l
RT: 5.940 min Scan# 796
Delta R.T. -0.000 min
Lab File: VX047666.D
Acq: 19 Sep 2025 11:47

Tgt Ion: 65 Resp: 164845

Ion	Ratio	Lower	Upper
65	100		
67	51.8	0.0	103.0



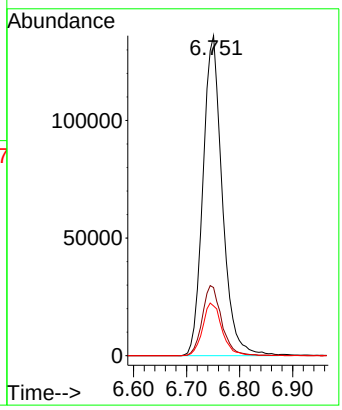


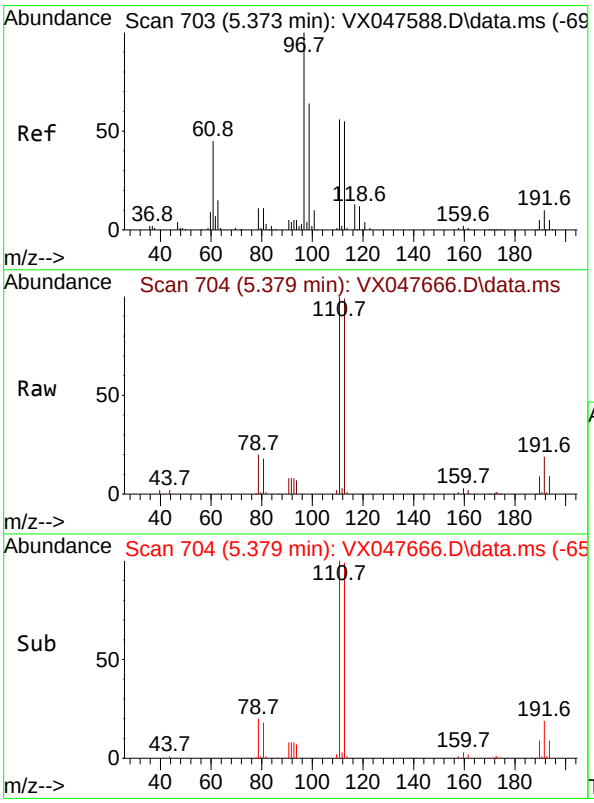
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 9
Delta R.T. 0.006 min
Lab File: VX047666.D
Acq: 19 Sep 2025 11:47

Instrument :
MSVOA_X
ClientSampleId :
DUP02-20250910DL

Tgt Ion:114 Resp: 344496

Ion	Ratio	Lower	Upper
114	100		
63	21.3	0.0	44.0
88	15.5	0.0	34.2

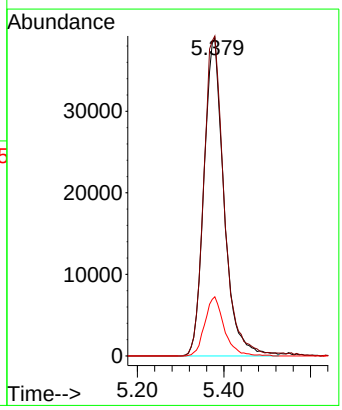


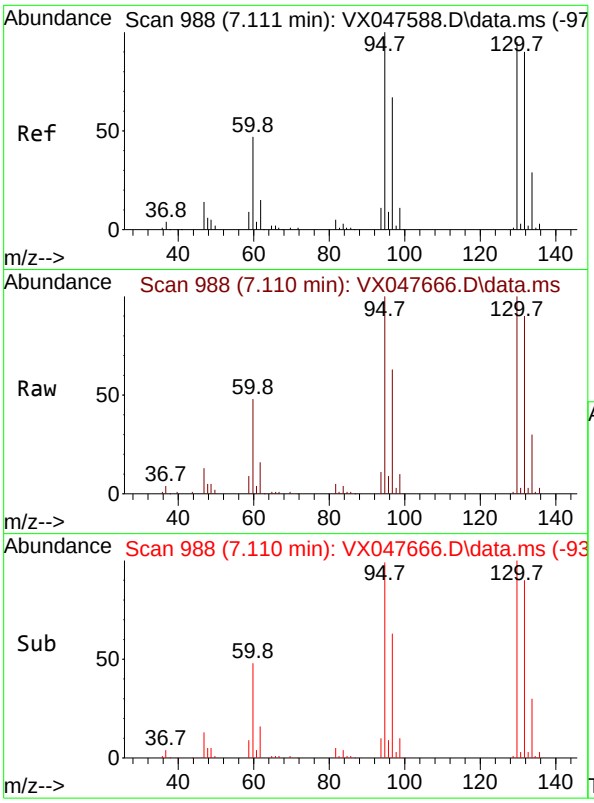


#35
Dibromofluoromethane
Concen: 54.071 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX047666.D
Acq: 19 Sep 2025 11:47

Tgt Ion:113 Resp: 124924

Ion	Ratio	Lower	Upper
113	100		
111	102.3	80.9	121.3
192	18.1	14.2	21.4



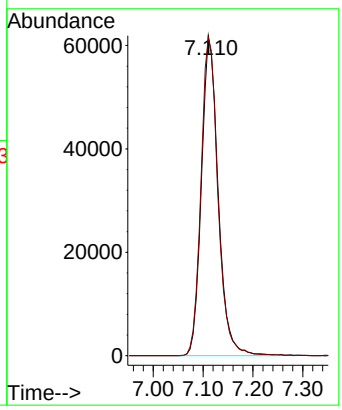


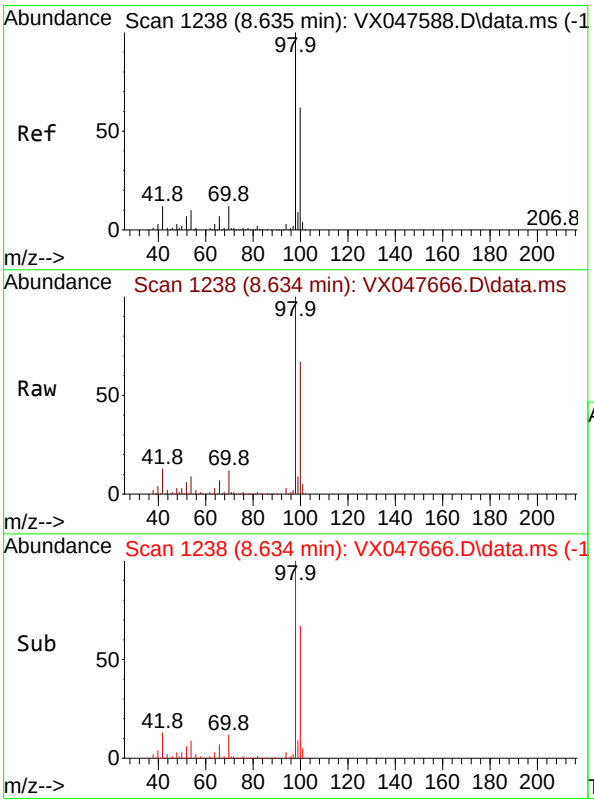
#44
Trichloroethene
Concen: 58.124 ug/l
RT: 7.110 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX047666.D
Acq: 19 Sep 2025 11:47

Instrument :
MSVOA_X
ClientSampleId :
DUP02-20250910DL

Tgt Ion:130 Resp: 144090

Ion	Ratio	Lower	Upper
130	100		
95	99.5	0.0	210.8

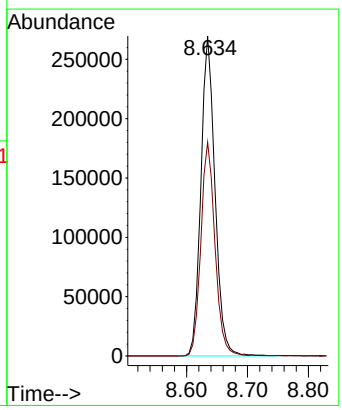


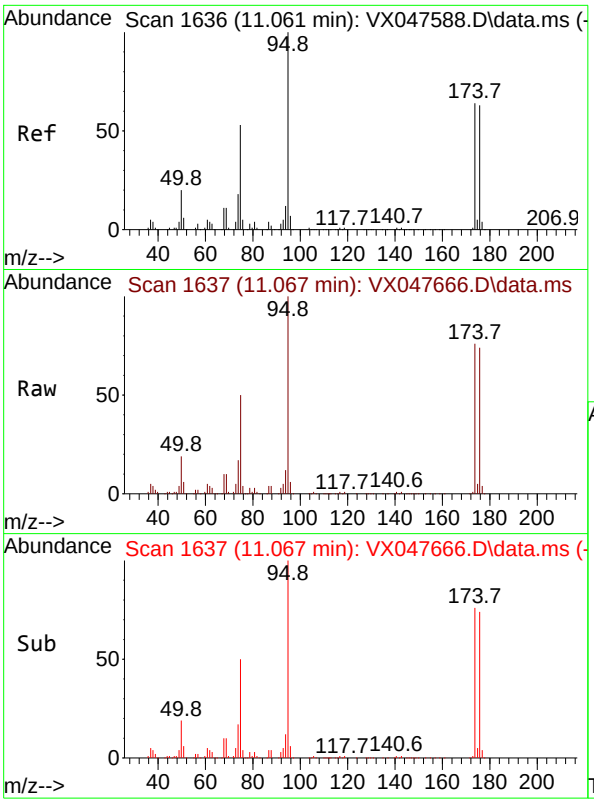


#50
Toluene-d8
Concen: 54.302 ug/l
RT: 8.634 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX047666.D
Acq: 19 Sep 2025 11:47

Tgt Ion: 98 Resp: 434109

Ion	Ratio	Lower	Upper
98	100		
100	66.9	53.0	79.4



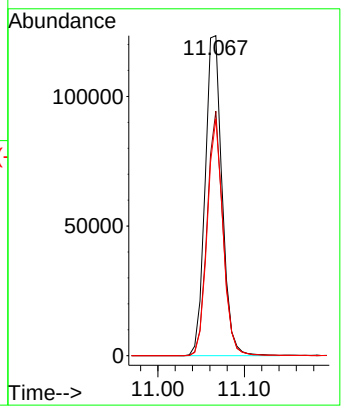


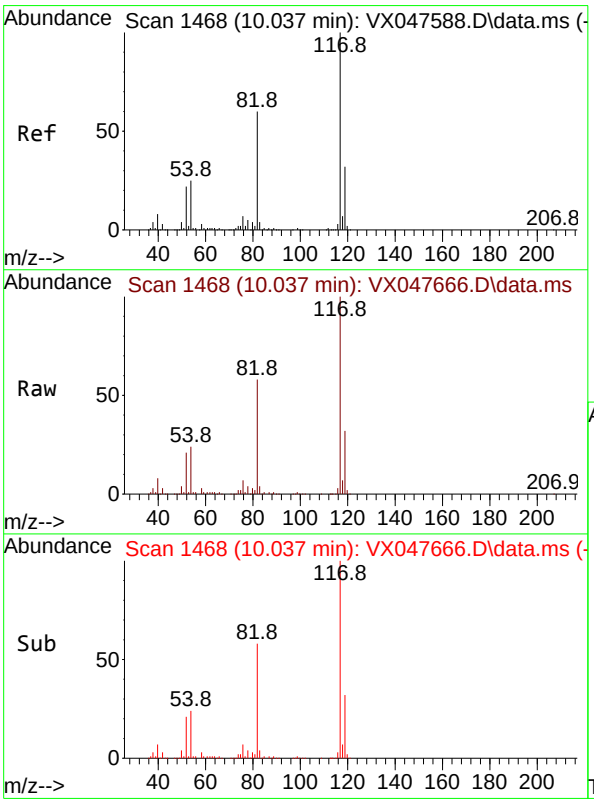
#62
4-Bromofluorobenzene
Concen: 55.199 ug/l
RT: 11.067 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047666.D
Acq: 19 Sep 2025 11:47

Instrument :
MSVOA_X
ClientSampleId :
DUP02-20250910DL

Tgt Ion: 95 Resp: 167474

Ion	Ratio	Lower	Upper
95	100		
174	71.3	0.0	141.6
176	69.1	0.0	138.4

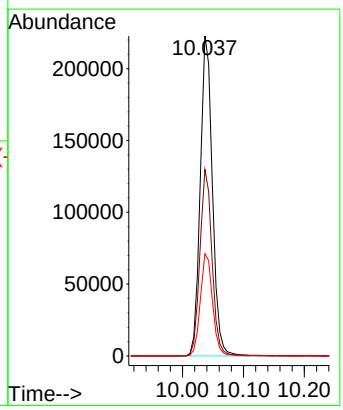


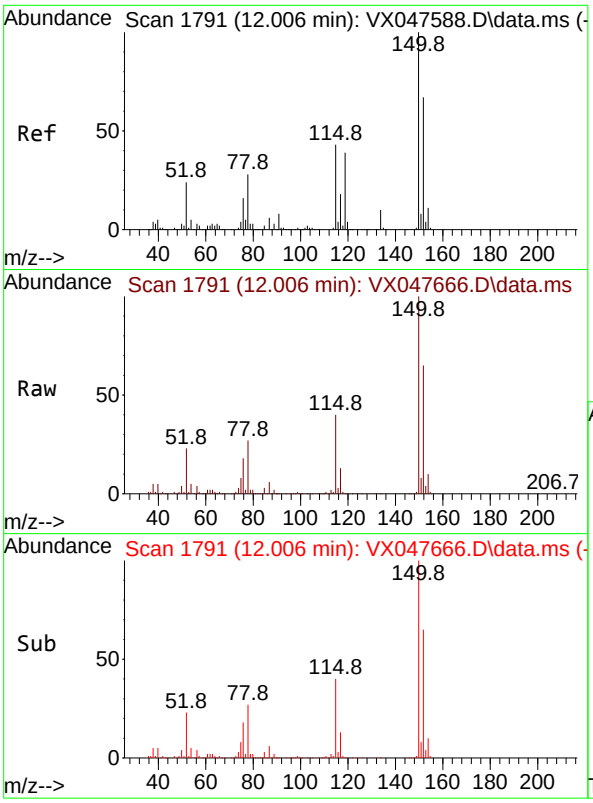


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX047666.D
Acq: 19 Sep 2025 11:47

Tgt Ion:117 Resp: 309572

Ion	Ratio	Lower	Upper
117	100		
82	58.3	47.8	71.6
119	31.9	25.2	37.8



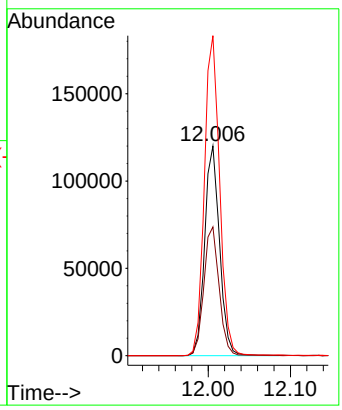


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047666.D
Acq: 19 Sep 2025 11:47

Instrument :
MSVOA_X
ClientSampleId :
DUP02-20250910DL

Tgt Ion:152 Resp: 151017

Ion	Ratio	Lower	Upper
152	100		
115	63.1	44.9	134.5
150	157.1	0.0	352.0



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:	09/10/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/12/25
Client Sample ID:	DUP03-20250910	SDG No.:	Q3095
Lab Sample ID:	Q3095-26	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047670.D	1	09/19/25 13:11	VX091925

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	19.1		1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	1.50		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	26.0		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	0.74	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:	09/10/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/12/25
Client Sample ID:	DUP03-20250910	SDG No.:	Q3095
Lab Sample ID:	Q3095-26	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047670.D	1	09/19/25 13:11	VX091925

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	0.65	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	51.9		81 - 118		104%	SPK: 50
1868-53-7	Dibromofluoromethane	50.4		80 - 119		101%	SPK: 50
2037-26-5	Toluene-d8	49.5		89 - 112		99%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.9		85 - 114		100%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	174000	5.537				
540-36-3	1,4-Difluorobenzene	318000	6.751				
3114-55-4	Chlorobenzene-d5	291000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	140000	12.006				

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:	09/10/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/12/25
Client Sample ID:	DUP03-20250910	SDG No.:	Q3095
Lab Sample ID:	Q3095-26	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047670.D	1	09/19/25 13:11	VX091925

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\VX091925\
Data File : VX047670.D
Acq On : 19 Sep 2025 13:11
Operator : JC/MD
Sample : Q3095-26
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
DUP03-20250910

Quant Time: Sep 20 00:30:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

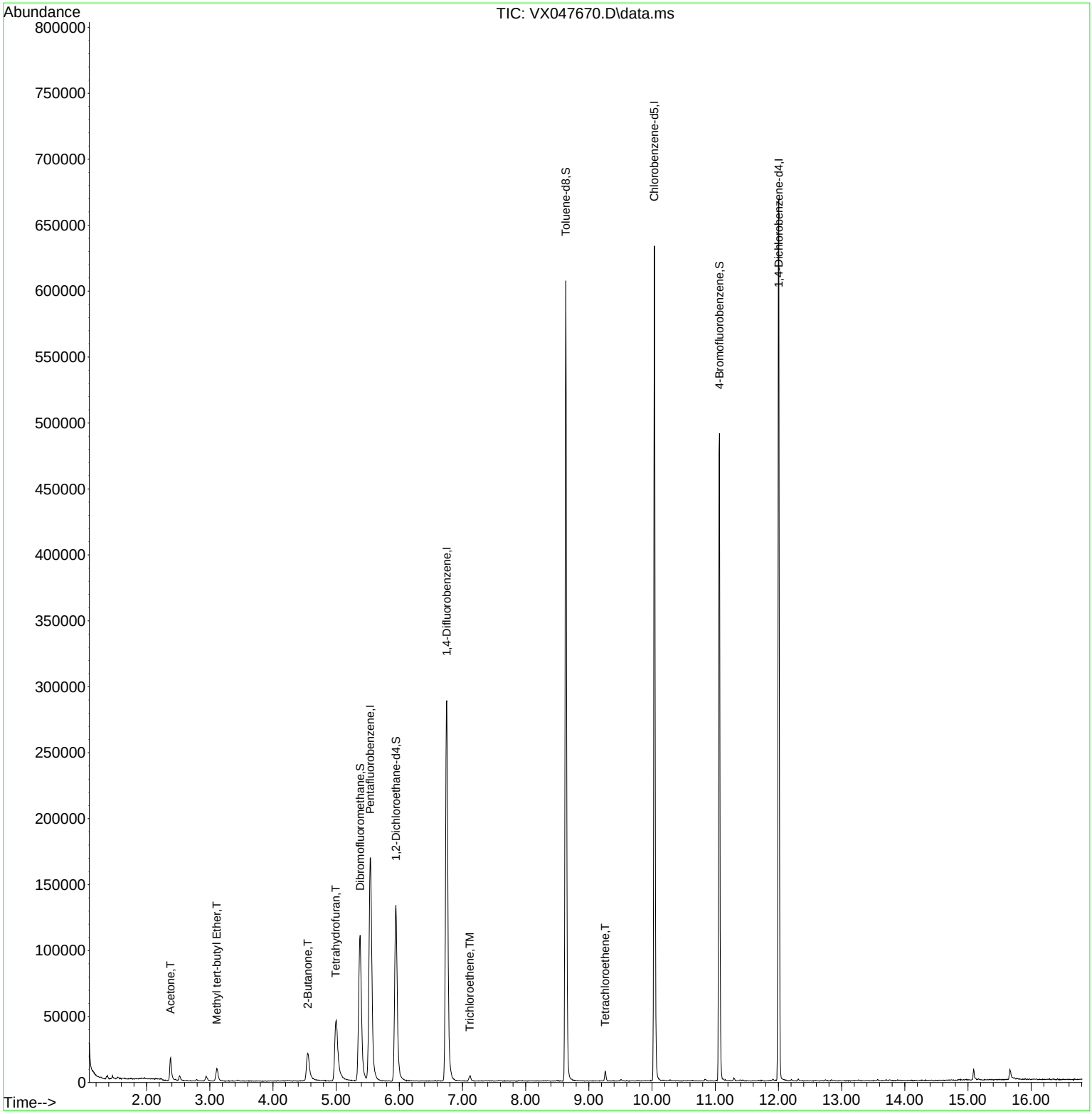
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.537	168	173509	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	318100	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	291215	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	140190	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	143242	51.865	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 103.720%			
35) Dibromofluoromethane	5.379	113	107565	50.421	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.840%			
50) Toluene-d8	8.634	98	365698	49.540	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 99.080%			
62) 4-Bromofluorobenzene	11.067	95	139811	49.905	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 99.820%			
Target Compounds						Qvalue
16) Acetone	2.380	43	22900	19.070	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	11612	1.543	ug/l	98
25) 2-Butanone	4.550	43	38983	26.025	ug/l	96
29) Tetrahydrofuran	4.995	42	54797	60.811	ug/l	97
44) Trichloroethene	7.116	130	1690	0.738	ug/l	94
64) Tetrachloroethene	9.256	164	1236	0.651	ug/l	90

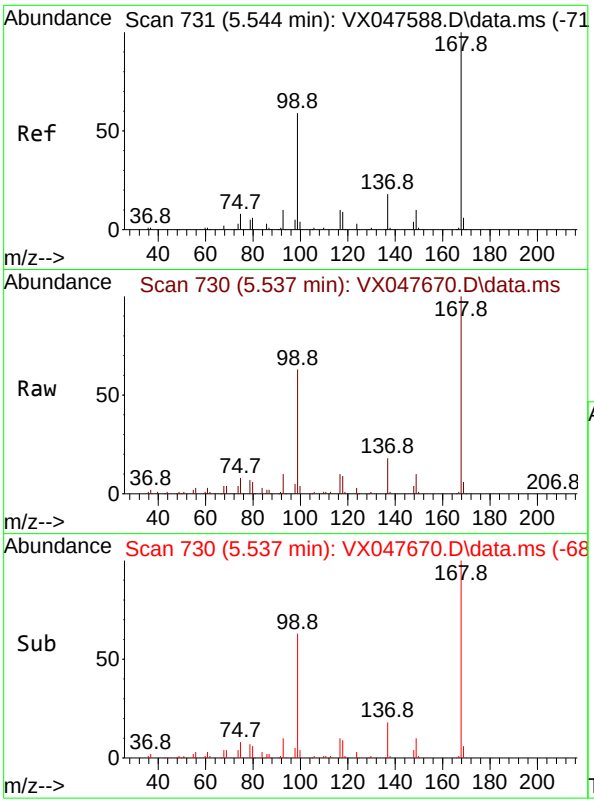
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091925\
Data File : VX047670.D
Acq On : 19 Sep 2025 13:11
Operator : JC/MD
Sample : Q3095-26
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
DUP03-20250910

Quant Time: Sep 20 00:30:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



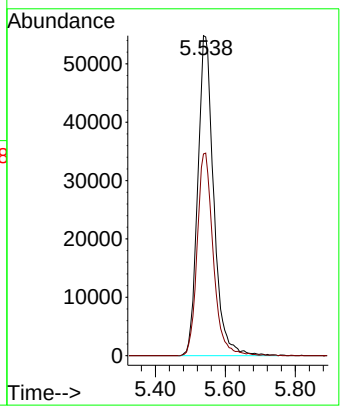


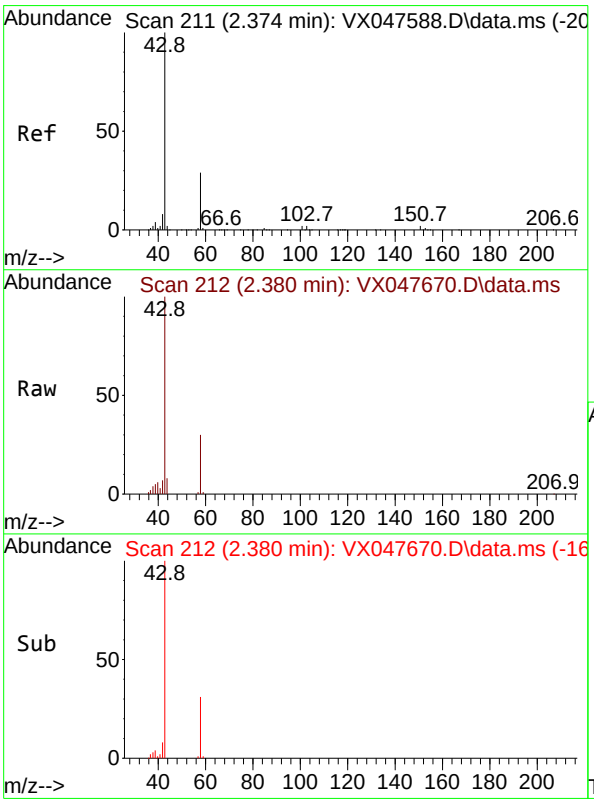
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.537 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047670.D
Acq: 19 Sep 2025 13:11

Instrument :
MSVOA_X
ClientSampleId :
DUP03-20250910

Tgt Ion:168 Resp: 173509

Ion	Ratio	Lower	Upper
168	100		
99	63.1	48.8	73.2

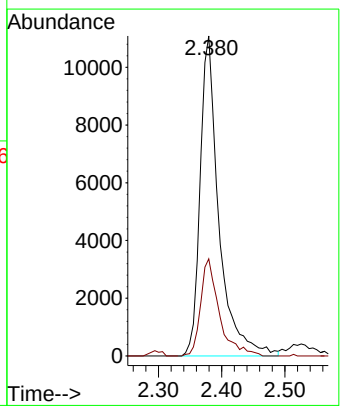


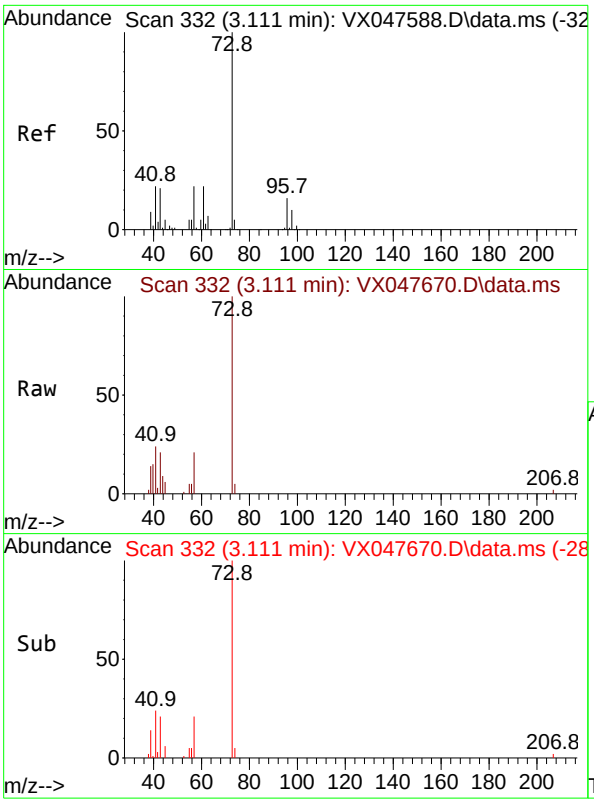


#16
Acetone
Concen: 19.070 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX047670.D
Acq: 19 Sep 2025 13:11

Tgt Ion: 43 Resp: 22900

Ion	Ratio	Lower	Upper
43	100		
58	28.0	23.4	35.0



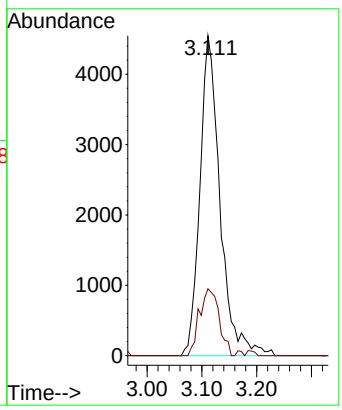


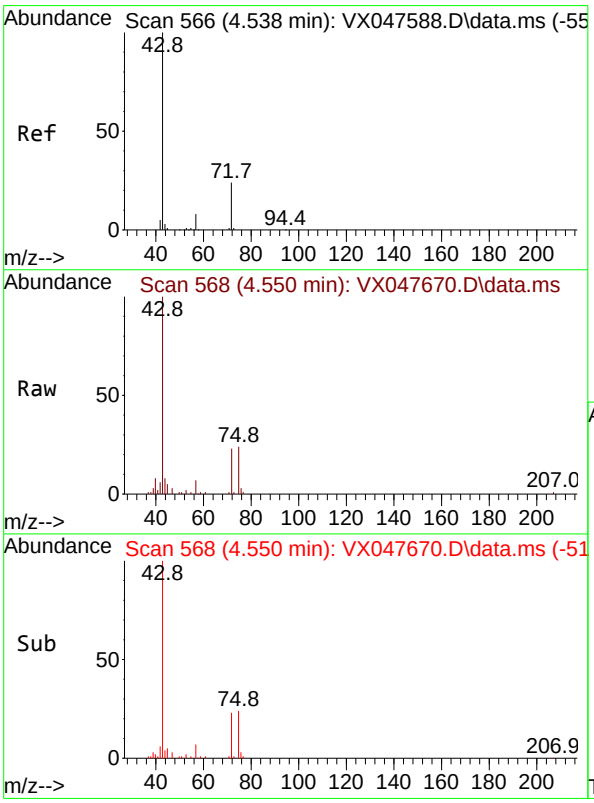
#19
Methyl tert-butyl Ether
Concen: 1.543 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047670.D
Acq: 19 Sep 2025 13:11

Instrument :
MSVOA_X
ClientSampleId :
DUP03-20250910

Tgt Ion: 73 Resp: 11612

Ion	Ratio	Lower	Upper
73	100		
57	20.9	17.4	26.2

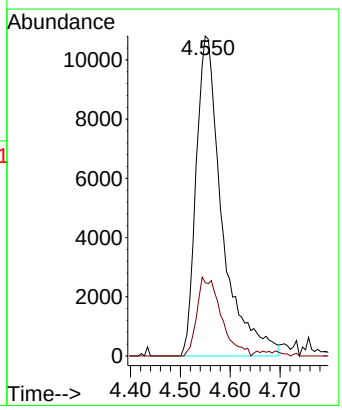


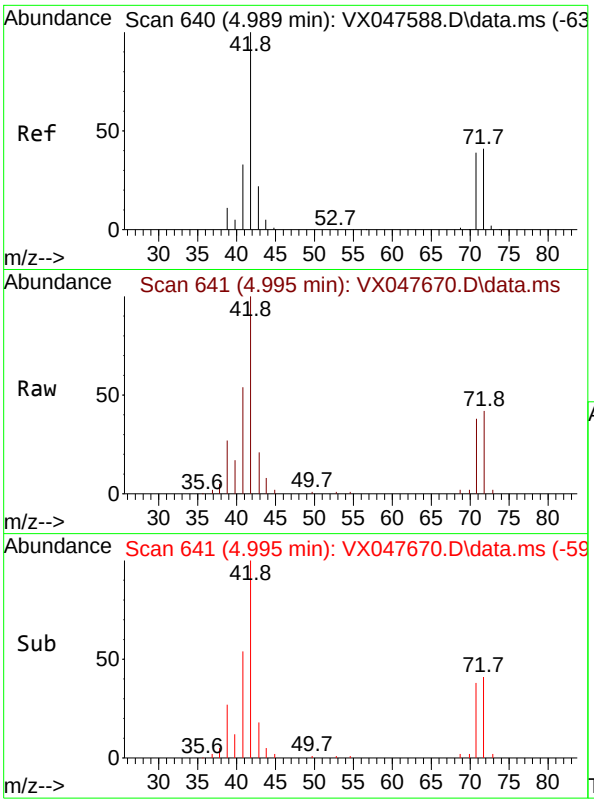


#25
2-Butanone
Concen: 26.025 ug/l
RT: 4.550 min Scan# 568
Delta R.T. 0.012 min
Lab File: VX047670.D
Acq: 19 Sep 2025 13:11

Tgt Ion: 43 Resp: 38983

Ion	Ratio	Lower	Upper
43	100		
72	22.9	20.1	30.1



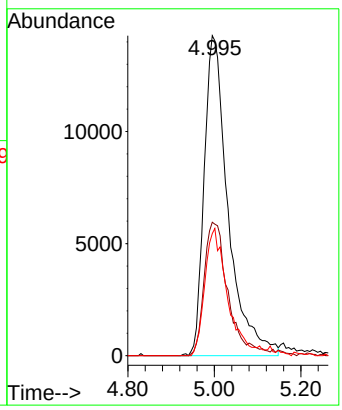


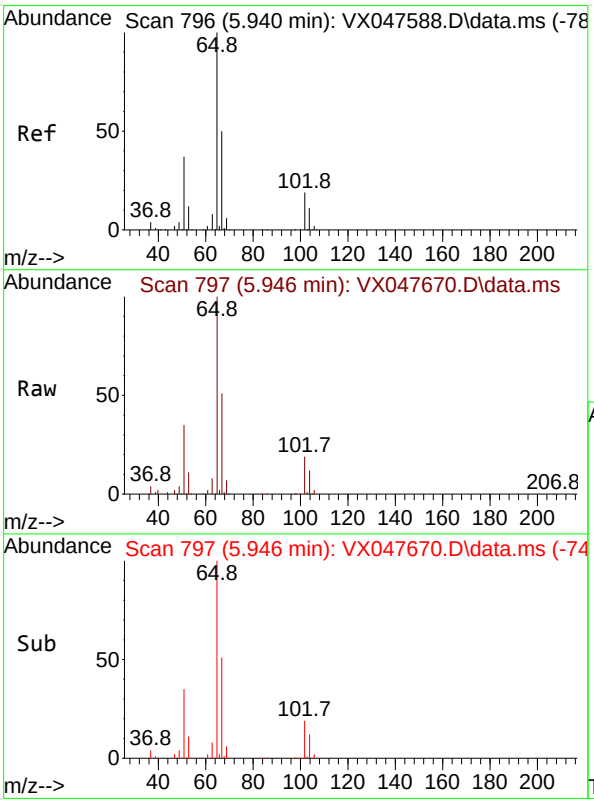
#29
Tetrahydrofuran
Concen: 60.811 ug/l
RT: 4.995 min Scan# 64
Delta R.T. 0.006 min
Lab File: VX047670.D
Acq: 19 Sep 2025 13:11

Instrument :
MSVOA_X
ClientSampleId :
DUP03-20250910

Tgt Ion: 42 Resp: 54797

Ion	Ratio	Lower	Upper
42	100		
72	41.5	34.2	51.2
71	38.0	31.9	47.9

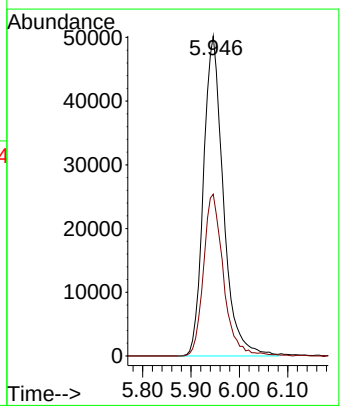


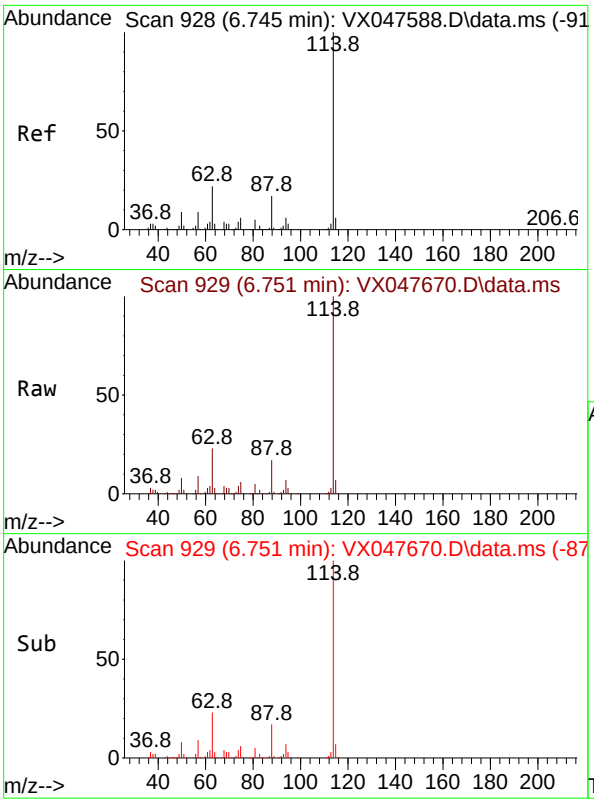


#33
1,2-Dichloroethane-d4
Concen: 51.865 ug/l
RT: 5.946 min Scan# 797
Delta R.T. 0.006 min
Lab File: VX047670.D
Acq: 19 Sep 2025 13:11

Tgt Ion: 65 Resp: 143242

Ion	Ratio	Lower	Upper
65	100		
67	50.9	0.0	103.0



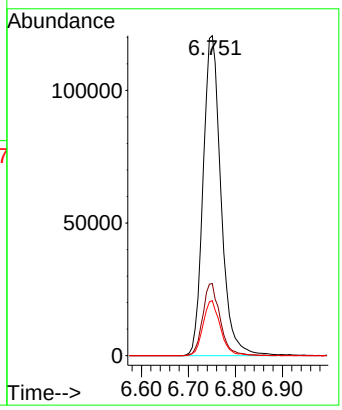


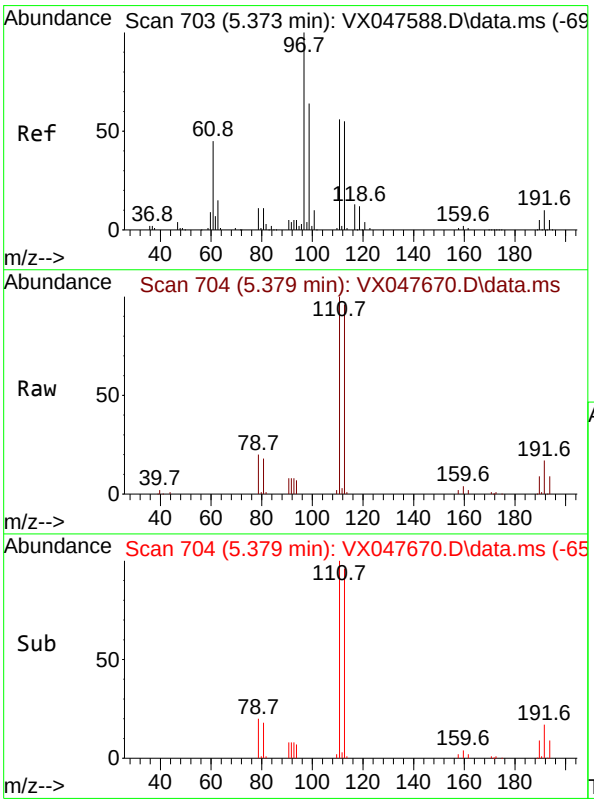
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 9
Delta R.T. 0.006 min
Lab File: VX047670.D
Acq: 19 Sep 2025 13:11

Instrument :
MSVOA_X
ClientSampleId :
DUP03-20250910

Tgt Ion:114 Resp: 318100

Ion	Ratio	Lower	Upper
114	100		
63	22.6	0.0	44.0
88	17.2	0.0	34.2

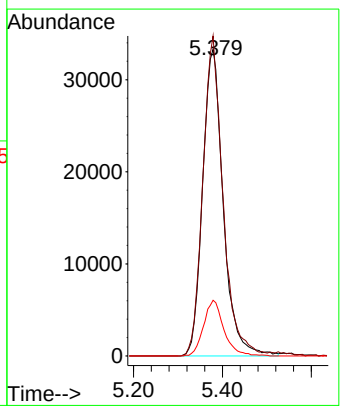


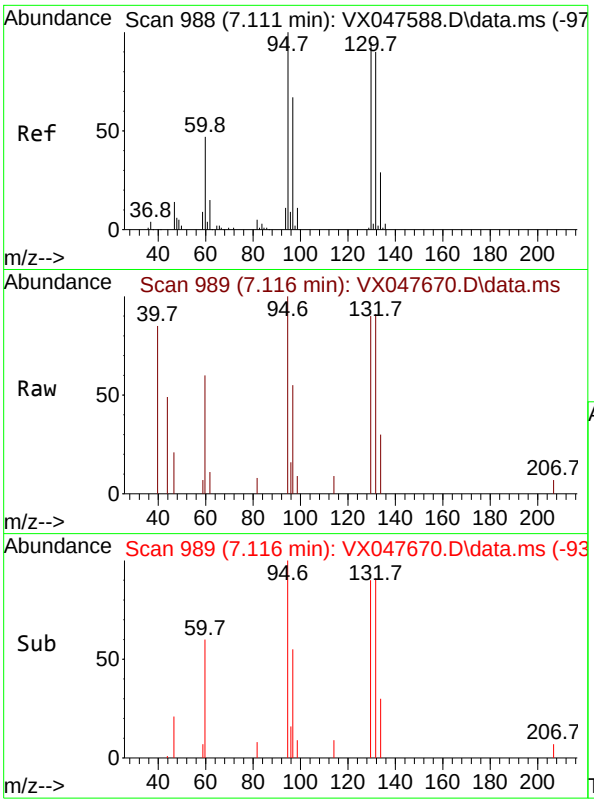


#35
Dibromofluoromethane
Concen: 50.421 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX047670.D
Acq: 19 Sep 2025 13:11

Tgt Ion:113 Resp: 107565

Ion	Ratio	Lower	Upper
113	100		
111	101.8	80.9	121.3
192	17.9	14.2	21.4



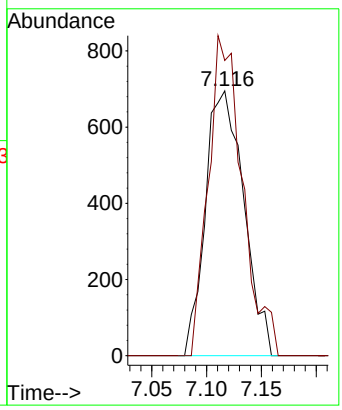


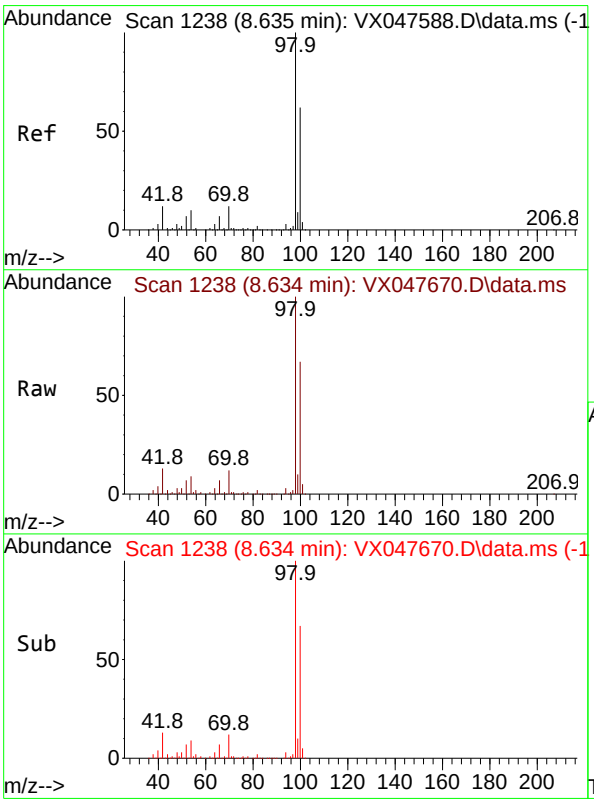
#44
Trichloroethene
Concen: 0.738 ug/l
RT: 7.116 min Scan# 9
Delta R.T. 0.006 min
Lab File: VX047670.D
Acq: 19 Sep 2025 13:11

Instrument :
MSVOA_X
ClientSampleId :
DUP03-20250910

Tgt Ion:130 Resp: 1690

Ion	Ratio	Lower	Upper
130	100		
95	111.5	0.0	210.8

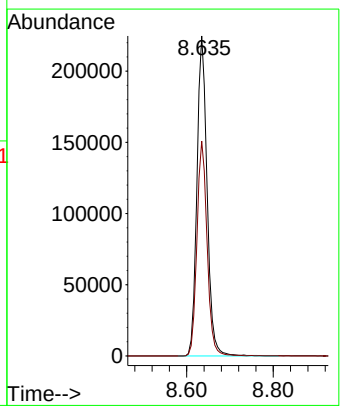


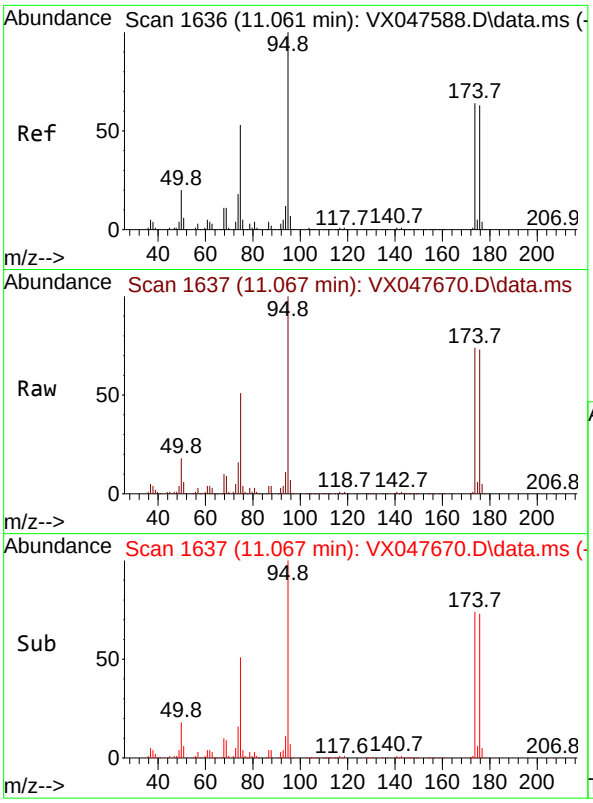


#50
Toluene-d8
Concen: 49.540 ug/l
RT: 8.634 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX047670.D
Acq: 19 Sep 2025 13:11

Tgt Ion: 98 Resp: 365698

Ion	Ratio	Lower	Upper
98	100		
100	67.2	53.0	79.4



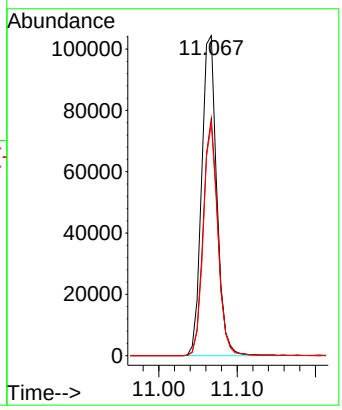


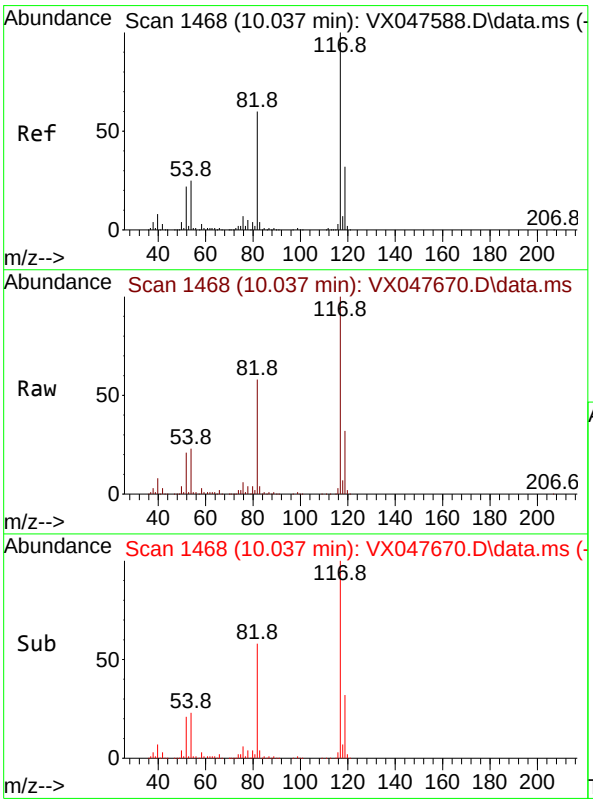
#62
4-Bromofluorobenzene
Concen: 49.905 ug/l
RT: 11.067 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047670.D
Acq: 19 Sep 2025 13:11

Instrument :
MSVOA_X
ClientSampleId :
DUP03-20250910

Tgt Ion: 95 Resp: 139811

Ion	Ratio	Lower	Upper
95	100		
174	72.0	0.0	141.6
176	69.5	0.0	138.4

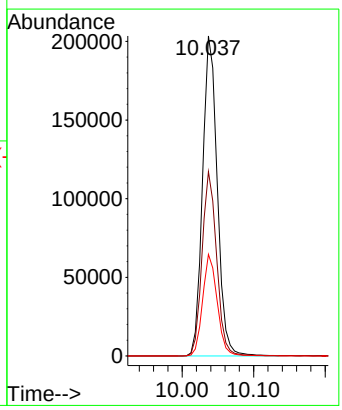


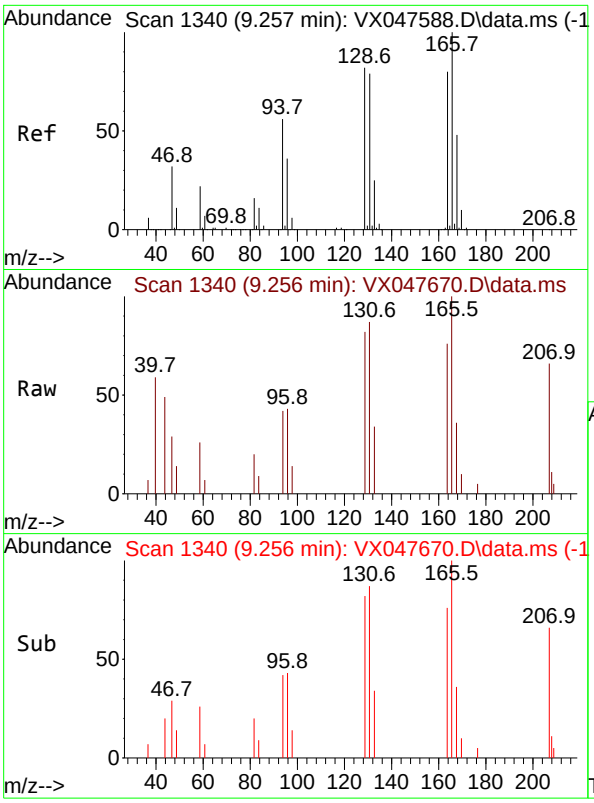


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX047670.D
Acq: 19 Sep 2025 13:11

Tgt Ion:117 Resp: 291215

Ion	Ratio	Lower	Upper
117	100		
82	57.6	47.8	71.6
119	31.8	25.2	37.8



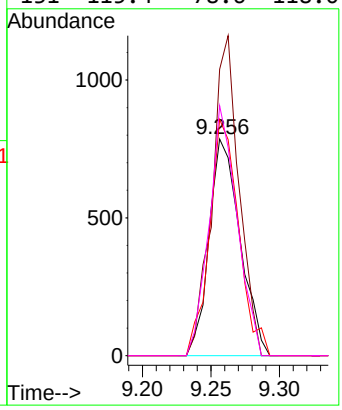


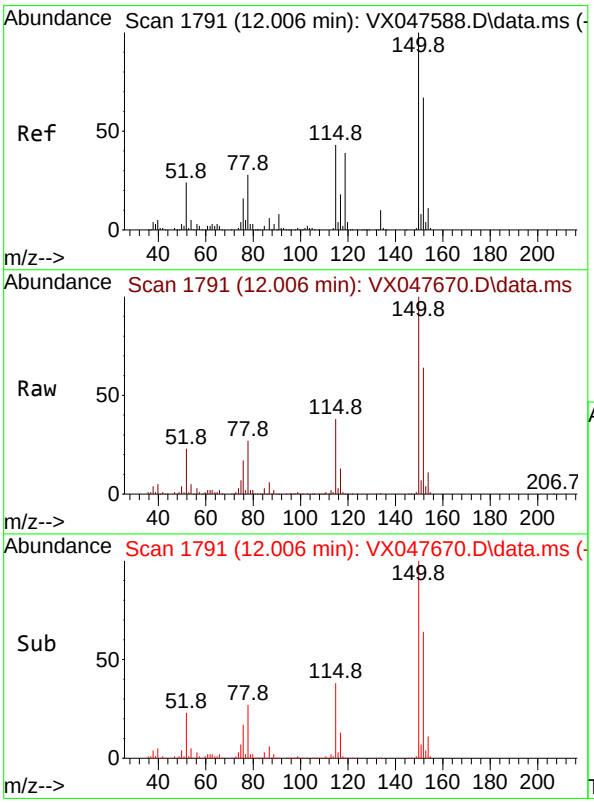
#64
Tetrachloroethene
Concen: 0.651 ug/l
RT: 9.256 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047670.D
Acq: 19 Sep 2025 13:11

Instrument :
MSVOA_X
ClientSampleId :
DUP03-20250910

Tgt Ion:164 Resp: 1236

Ion	Ratio	Lower	Upper
164	100		
166	132.2	100.2	150.2
129	109.0	81.8	122.6
131	115.4	78.6	118.0

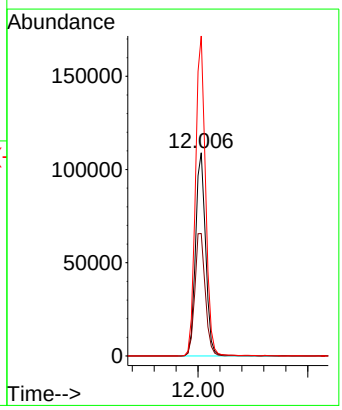




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047670.D
Acq: 19 Sep 2025 13:11

Tgt Ion:152 Resp: 140190

Ion	Ratio	Lower	Upper
152	100		
115	62.4	44.9	134.5
150	156.8	0.0	352.0



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:	09/10/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/12/25
Client Sample ID:	RE117D1-20250910	SDG No.:	Q3095
Lab Sample ID:	Q3095-27	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047671.D	1	09/19/25 13:32	VX091925

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	1.90		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	1.80		0.23	0.75	1.00	ug/L
67-64-1	Acetone	3.20	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	1.30		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	1.10		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	0.43	J	0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.16	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	120		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:	09/10/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/12/25
Client Sample ID:	RE117D1-20250910	SDG No.:	Q3095
Lab Sample ID:	Q3095-27	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047671.D	1	09/19/25 13:32	VX091925

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	0.61	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	56.7		81 - 118		113%	SPK: 50
1868-53-7	Dibromofluoromethane	53.5		80 - 119		107%	SPK: 50
2037-26-5	Toluene-d8	53.4		89 - 112		107%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.9		85 - 114		108%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	166000	5.544				
540-36-3	1,4-Difluorobenzene	310000	6.751				
3114-55-4	Chlorobenzene-d5	283000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	136000	12.006				

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:	09/10/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/12/25
Client Sample ID:	RE117D1-20250910	SDG No.:	Q3095
Lab Sample ID:	Q3095-27	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047671.D	1	09/19/25 13:32	VX091925

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\VX091925\
Data File : VX047671.D
Acq On : 19 Sep 2025 13:32
Operator : JC/MD
Sample : Q3095-27
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RE117D1-20250910

Quant Time: Sep 20 00:31:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

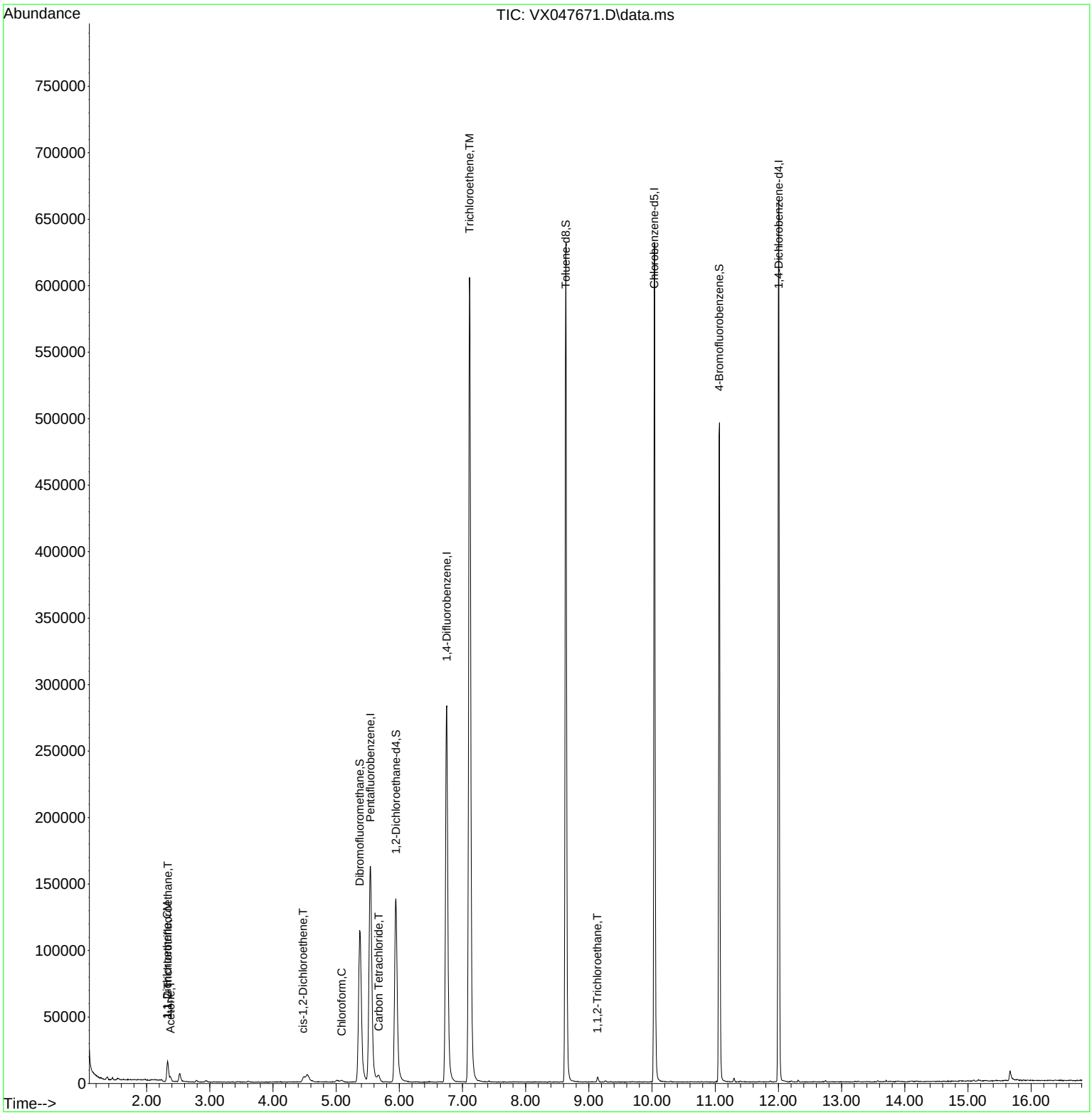
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	166057	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	309930	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	283052	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	136445	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	149884	56.705	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 113.420%			
35) Dibromofluoromethane	5.373	113	111158	53.478	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.960%			
50) Toluene-d8	8.635	98	384319	53.435	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 106.880%			
62) 4-Bromofluorobenzene	11.061	95	147130	53.902	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 107.800%			
Target Compounds						Qvalue
9) 1,1,2-Trichlorotrifluo...	2.337	101	3704	1.928	ug/l	96
12) 1,1-Dichloroethene	2.325	96	3523	1.786	ug/l	96
16) Acetone	2.380	43	3653	3.179	ug/l #	84
27) cis-1,2-Dichloroethene	4.477	96	2848	1.095	ug/l	97
30) Chloroform	5.087	83	1834	0.433	ug/l	84
38) Carbon Tetrachloride	5.672	117	4425	1.341	ug/l	90
44) Trichloroethene	7.111	130	256799	115.143	ug/l	94
55) 1,1,2-Trichloroethane	9.135	97	1332	0.608	ug/l	91

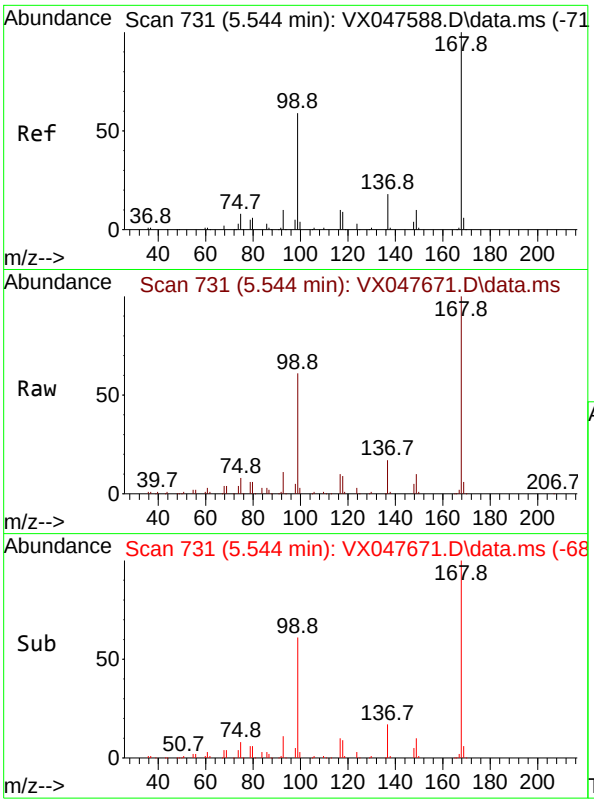
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091925\
Data File : VX047671.D
Acq On : 19 Sep 2025 13:32
Operator : JC/MD
Sample : Q3095-27
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RE117D1-20250910

Quant Time: Sep 20 00:31:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



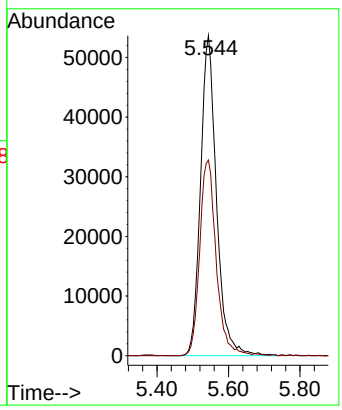


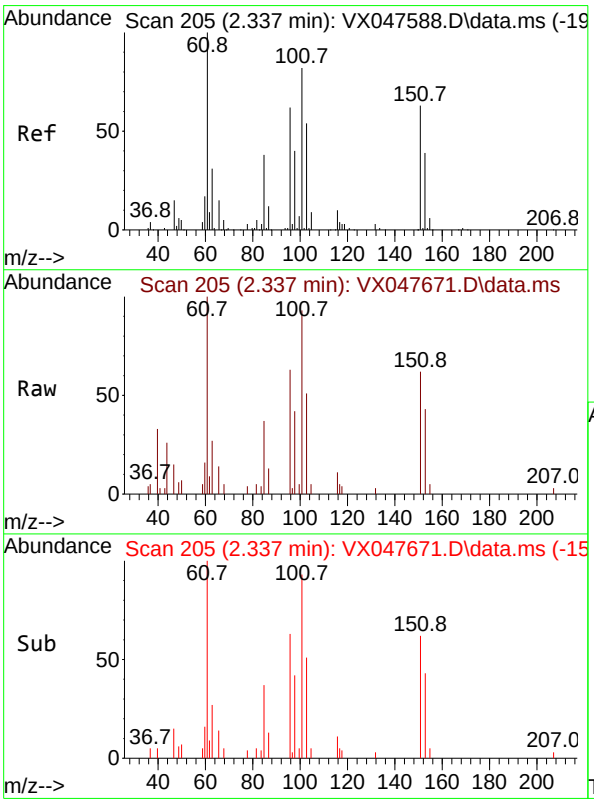
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047671.D
Acq: 19 Sep 2025 13:32

Instrument :
MSVOA_X
ClientSampleId :
RE117D1-20250910

Tgt Ion:168 Resp: 166057

Ion	Ratio	Lower	Upper
168	100		
99	61.1	48.8	73.2

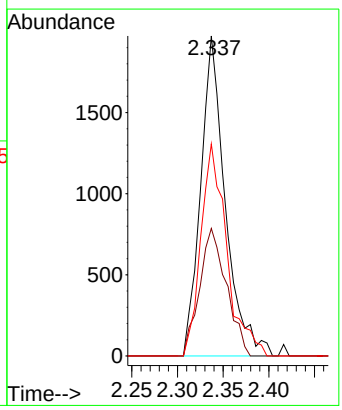


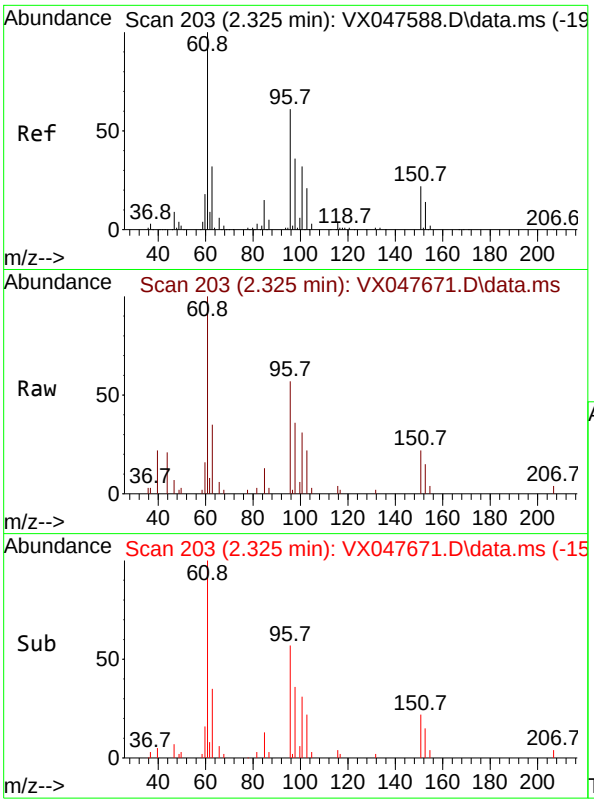


#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.928 ug/l
RT: 2.337 min Scan# 205
Delta R.T. -0.000 min
Lab File: VX047671.D
Acq: 19 Sep 2025 13:32

Tgt Ion:101 Resp: 3704

Ion	Ratio	Lower	Upper
101	100		
85	43.4	35.5	53.3
151	69.6	59.4	89.0



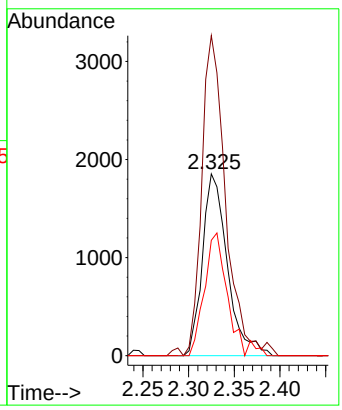


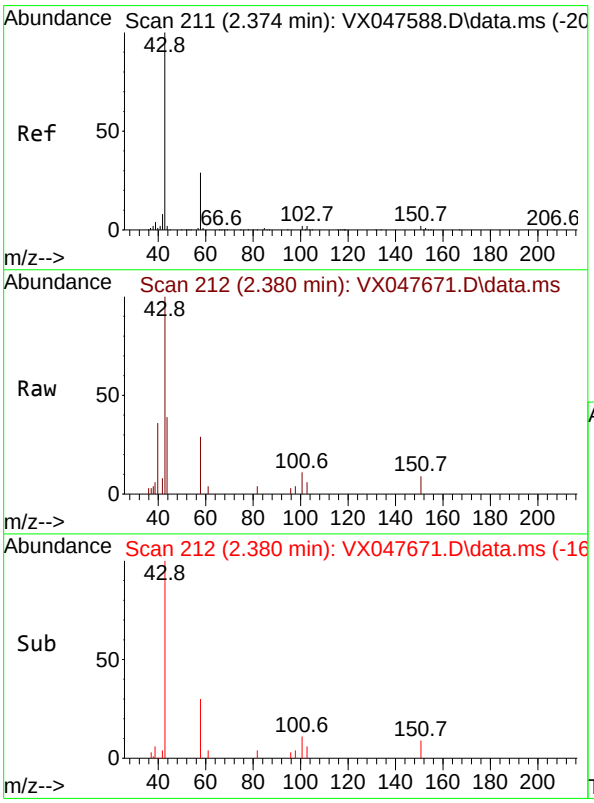
#12
1,1-Dichloroethene
Concen: 1.786 ug/l
RT: 2.325 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047671.D
Acq: 19 Sep 2025 13:32

Instrument :
MSVOA_X
ClientSampleId :
RE117D1-20250910

Tgt Ion: 96 Resp: 3523

Ion	Ratio	Lower	Upper
96	100		
61	170.7	131.0	196.6
98	61.6	47.7	71.5

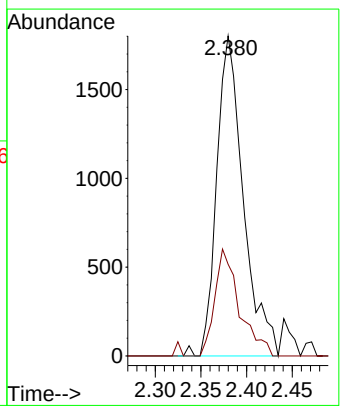


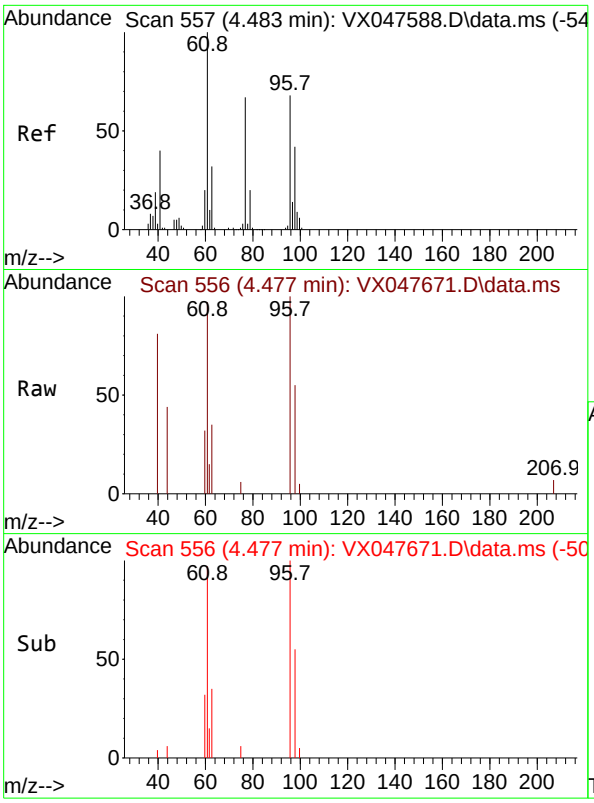


#16
Acetone
Concen: 3.179 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX047671.D
Acq: 19 Sep 2025 13:32

Tgt Ion: 43 Resp: 3653

Ion	Ratio	Lower	Upper
43	100		
58	20.6	23.4	35.0#



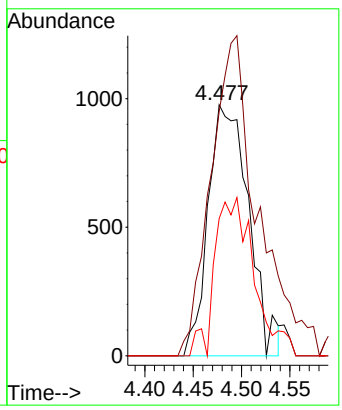


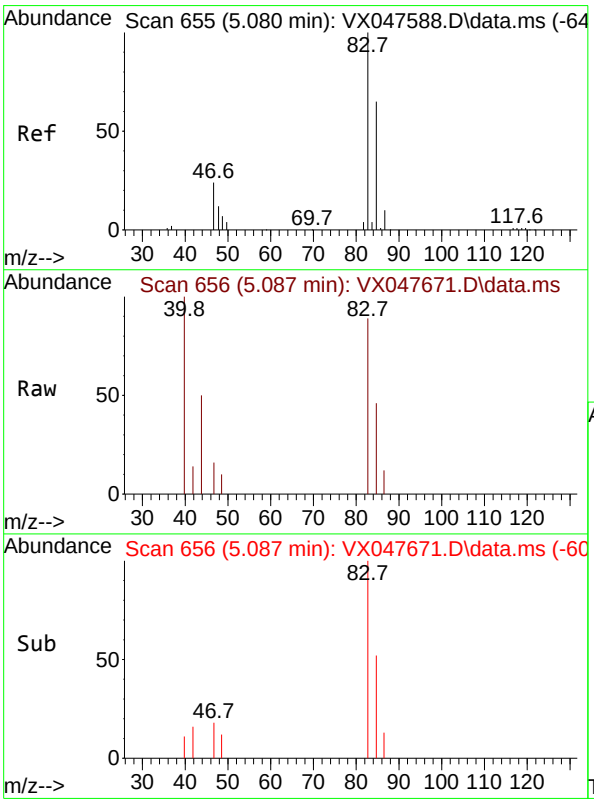
#27
cis-1,2-Dichloroethene
Concen: 1.095 ug/l
RT: 4.477 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX047671.D
Acq: 19 Sep 2025 13:32

Instrument :
MSVOA_X
ClientSampleId :
RE117D1-20250910

Tgt Ion: 96 Resp: 2848

Ion	Ratio	Lower	Upper
96	100		
61	147.3	0.0	303.2
98	61.3	0.0	127.8

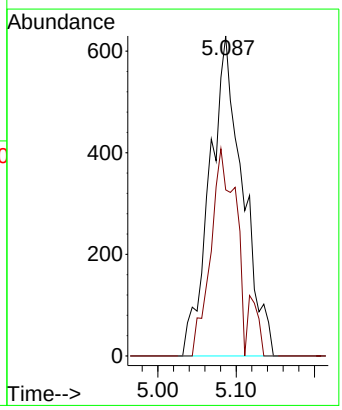


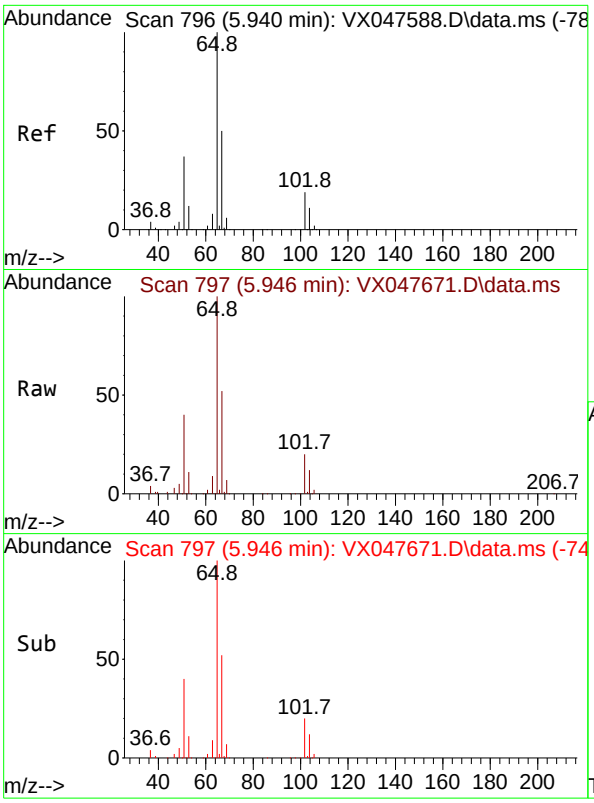


#30
Chloroform
Concen: 0.433 ug/l
RT: 5.087 min Scan# 656
Delta R.T. 0.006 min
Lab File: VX047671.D
Acq: 19 Sep 2025 13:32

Tgt Ion: 83 Resp: 1834

Ion	Ratio	Lower	Upper
83	100		
85	51.9	51.8	77.6



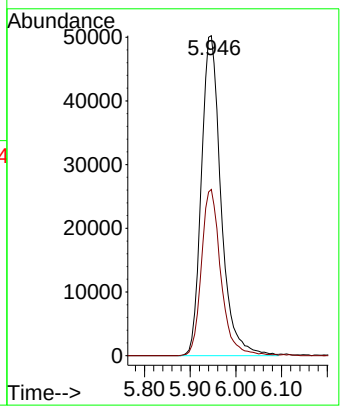


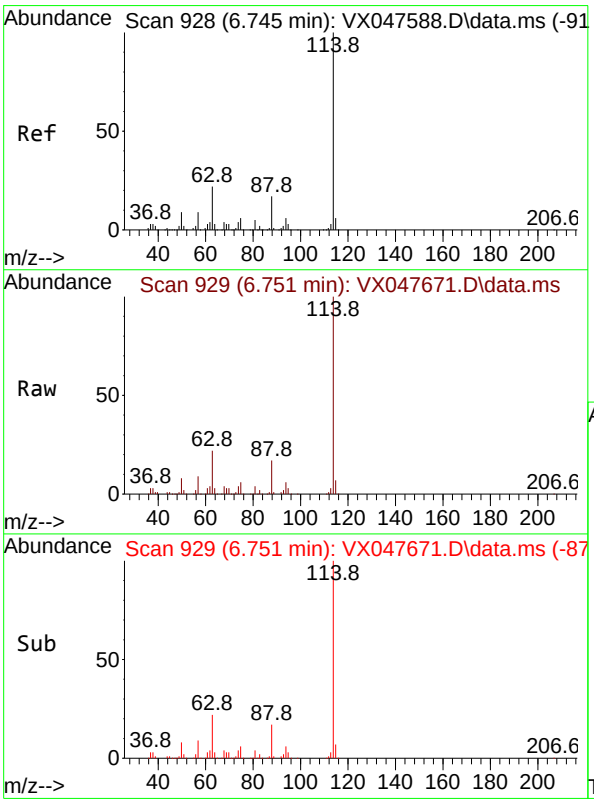
#33
1,2-Dichloroethane-d4
Concen: 56.705 ug/l
RT: 5.946 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047671.D
Acq: 19 Sep 2025 13:32

Instrument :
MSVOA_X
ClientSampleId :
RE117D1-20250910

Tgt Ion: 65 Resp: 149884

Ion	Ratio	Lower	Upper
65	100		
67	51.5	0.0	103.0

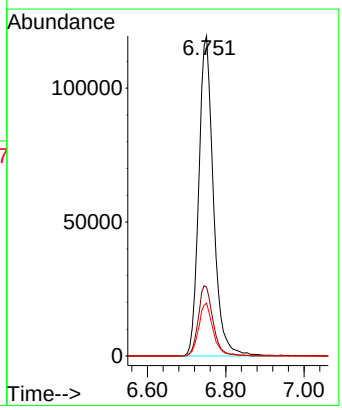


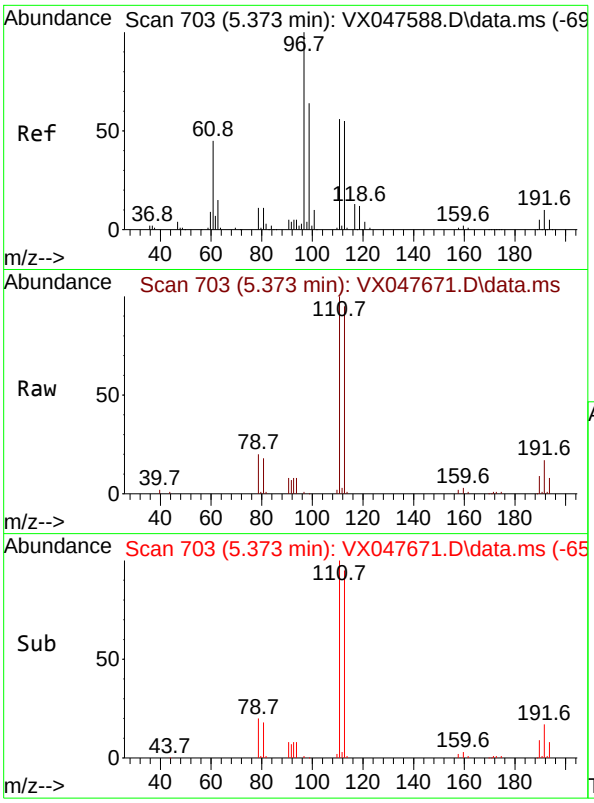


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 929
Delta R.T. 0.006 min
Lab File: VX047671.D
Acq: 19 Sep 2025 13:32

Tgt Ion:114 Resp: 309930

Ion	Ratio	Lower	Upper
114	100		
63	21.6	0.0	44.0
88	16.5	0.0	34.2



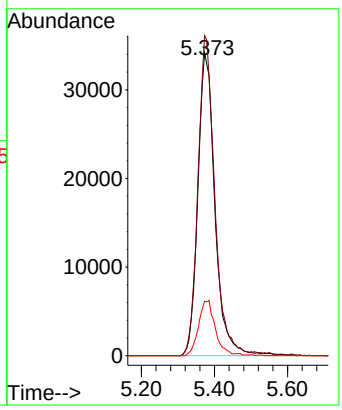


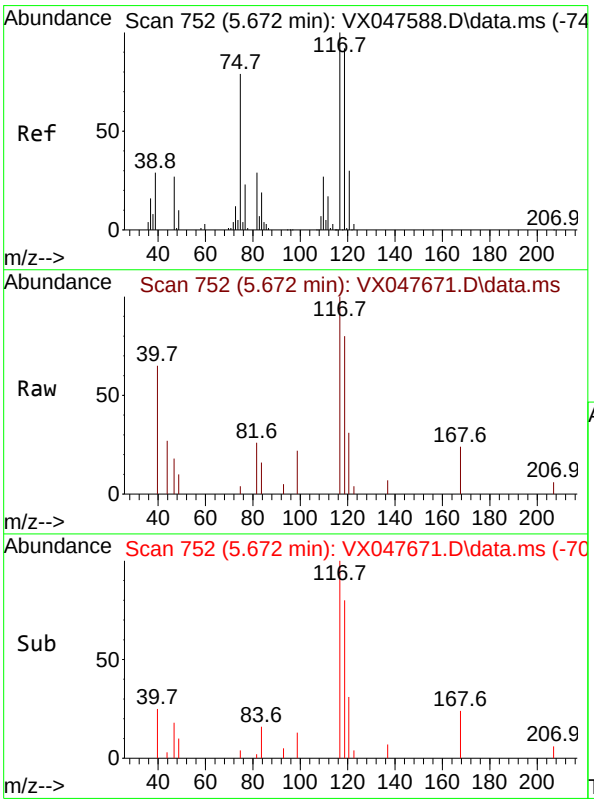
#35
Dibromofluoromethane
Concen: 53.478 ug/l
RT: 5.373 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047671.D
Acq: 19 Sep 2025 13:32

Instrument :
MSVOA_X
ClientSampleId :
RE117D1-20250910

Tgt Ion:113 Resp: 111158

Ion	Ratio	Lower	Upper
113	100		
111	103.4	80.9	121.3
192	17.7	14.2	21.4

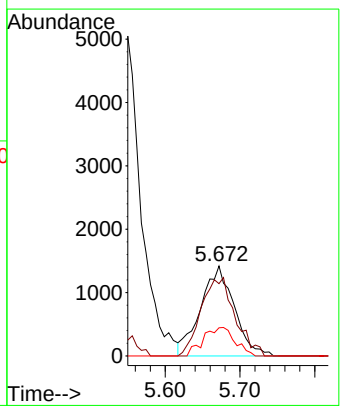


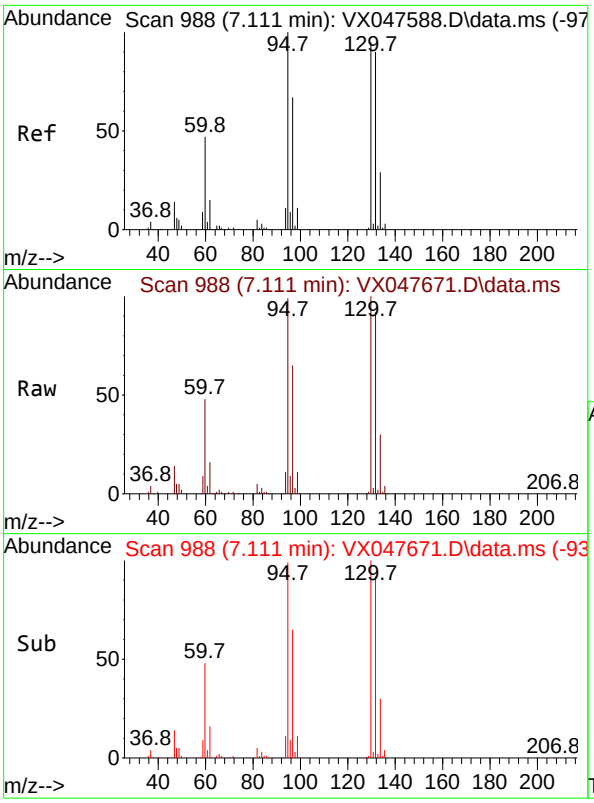


#38
Carbon Tetrachloride
Concen: 1.341 ug/l
RT: 5.672 min Scan# 752
Delta R.T. -0.000 min
Lab File: VX047671.D
Acq: 19 Sep 2025 13:32

Tgt Ion:117 Resp: 4425

Ion	Ratio	Lower	Upper
117	100		
119	80.4	73.4	110.2
121	31.2	23.8	35.6



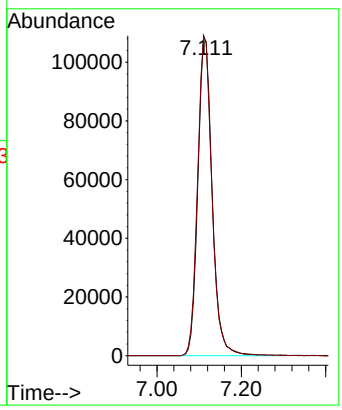


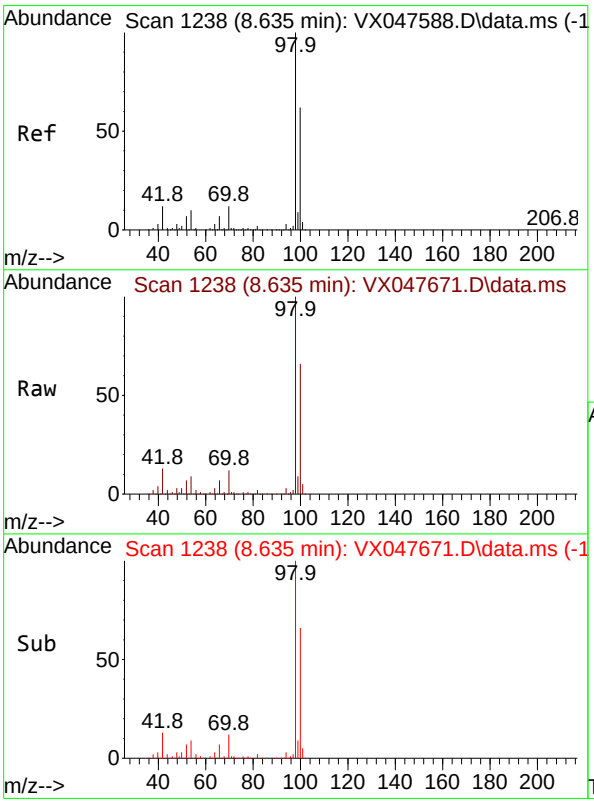
#44
Trichloroethene
Concen: 115.143 ug/l
RT: 7.111 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX047671.D
Acq: 19 Sep 2025 13:32

Instrument :
MSVOA_X
ClientSampleId :
RE117D1-20250910

Tgt Ion:130 Resp: 256799

Ion	Ratio	Lower	Upper
130	100		
95	99.5	0.0	210.8

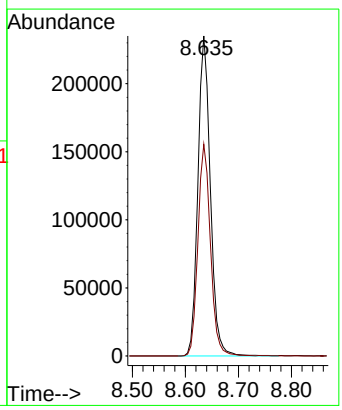


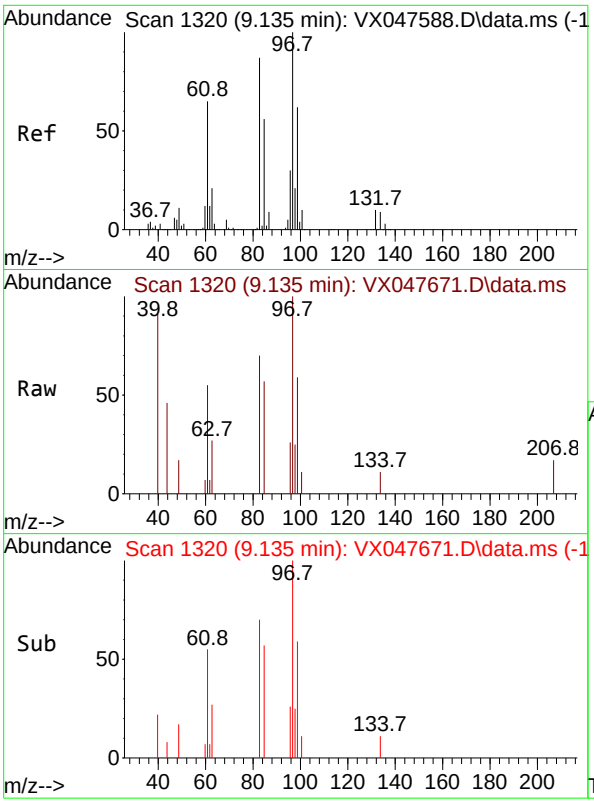


#50
Toluene-d8
Concen: 53.435 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX047671.D
Acq: 19 Sep 2025 13:32

Tgt Ion: 98 Resp: 384319

Ion	Ratio	Lower	Upper
98	100		
100	66.5	53.0	79.4



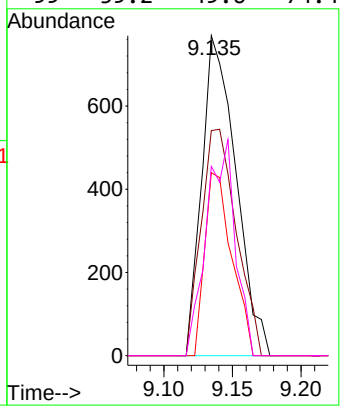


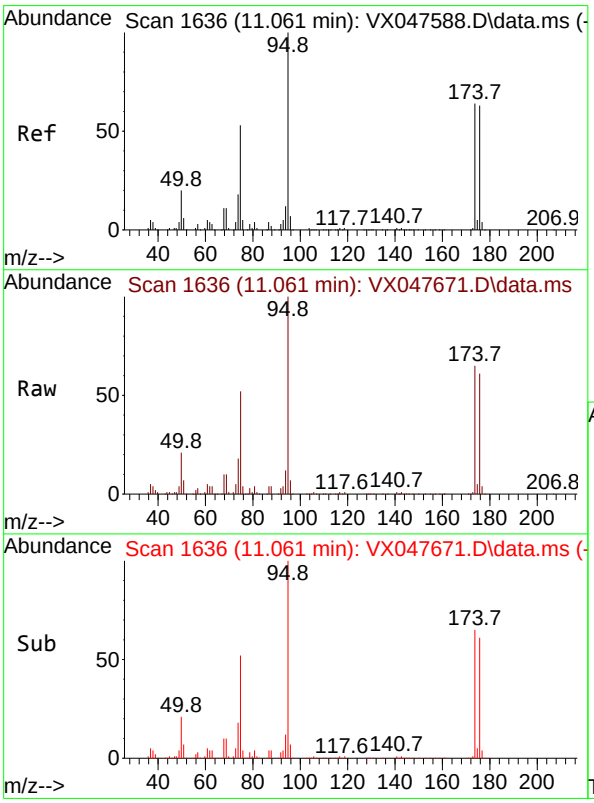
#55
1,1,2-Trichloroethane
Concen: 0.608 ug/l
RT: 9.135 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047671.D
Acq: 19 Sep 2025 13:32

Instrument :
MSVOA_X
ClientSampleId :
RE117D1-20250910

Tgt Ion: 97 Resp: 1332

Ion	Ratio	Lower	Upper
97	100		
83	70.4	69.6	104.4
85	57.2	45.0	67.6
99	59.2	49.6	74.4

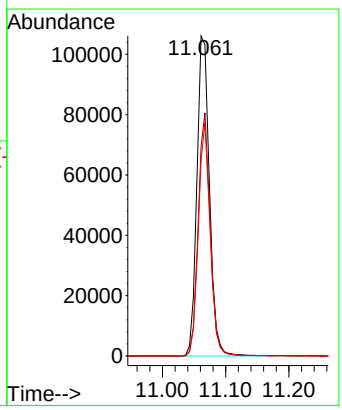


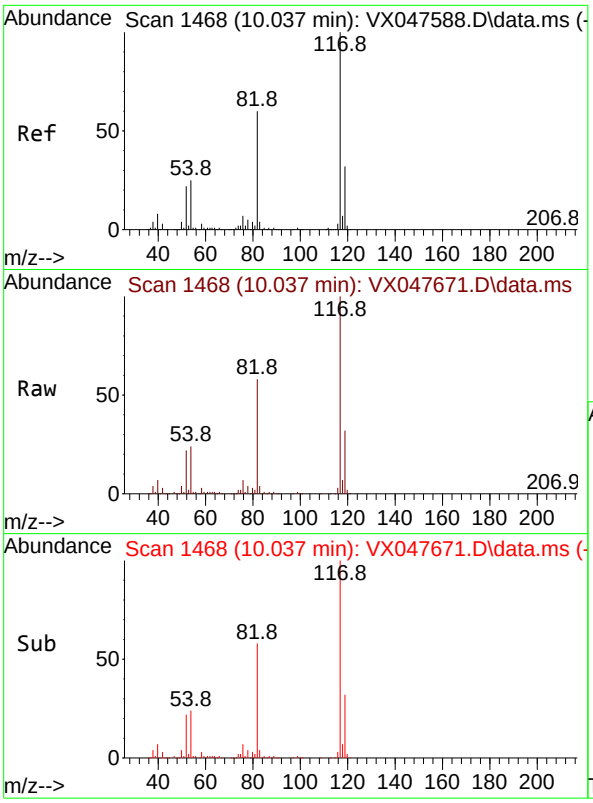


#62
4-Bromofluorobenzene
Concen: 53.902 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX047671.D
Acq: 19 Sep 2025 13:32

Tgt Ion: 95 Resp: 147130

Ion	Ratio	Lower	Upper
95	100		
174	72.4	0.0	141.6
176	68.6	0.0	138.4



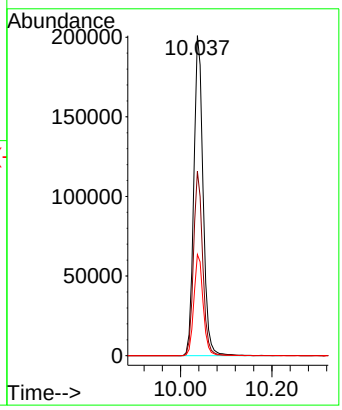


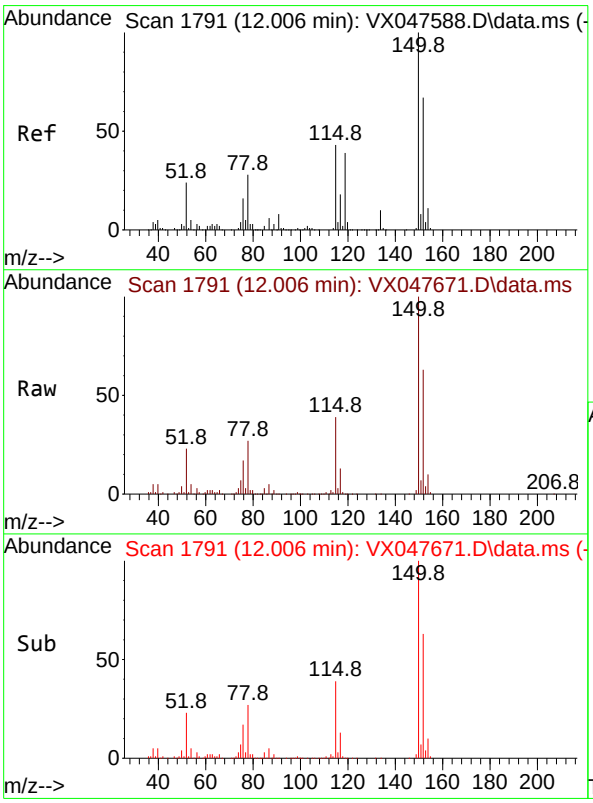
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047671.D
Acq: 19 Sep 2025 13:32

Instrument :
MSVOA_X
ClientSampleId :
RE117D1-20250910

Tgt Ion:117 Resp: 283052

Ion	Ratio	Lower	Upper
117	100		
82	57.6	47.8	71.6
119	31.6	25.2	37.8

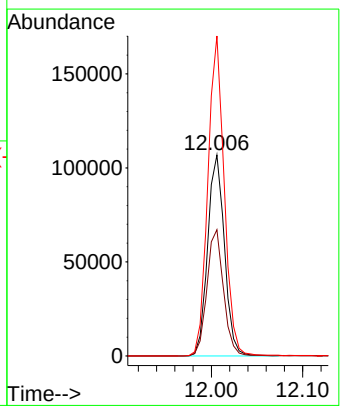




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047671.D
Acq: 19 Sep 2025 13:32

Tgt Ion:152 Resp: 136445

Ion	Ratio	Lower	Upper
152	100		
115	62.1	44.9	134.5
150	155.4	0.0	352.0



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:	09/10/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/12/25
Client Sample ID:	RE104D3-20250910	SDG No.:	Q3095
Lab Sample ID:	Q3095-28	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047653.D	1	09/18/25 19:32	VX091825

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	UQ	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	2.30		0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.68	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.14	0.50	1.00	ug/L

Alliance TECHNICAL GROUP
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:	09/10/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/12/25
Client Sample ID:	RE104D3-20250910	SDG No.:	Q3095
Lab Sample ID:	Q3095-28	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047653.D	1	09/18/25 19:32	VX091825

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	50.9		81 - 118		102%	SPK: 50
1868-53-7	Dibromofluoromethane	48.2		80 - 119		96%	SPK: 50
2037-26-5	Toluene-d8	48.3		89 - 112		97%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.4		85 - 114		97%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	175000	5.543				
540-36-3	1,4-Difluorobenzene	327000	6.75				
3114-55-4	Chlorobenzene-d5	297000	10.036				
3855-82-1	1,4-Dichlorobenzene-d4	145000	12.006				

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:	09/10/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/12/25
Client Sample ID:	RE104D3-20250910	SDG No.:	Q3095
Lab Sample ID:	Q3095-28	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047653.D	1	09/18/25 19:32	VX091825

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\VX091825\
Data File : VX047653.D
Acq On : 18 Sep 2025 19:32
Operator : JC/MD
Sample : Q3095-28
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RE104D3-20250910

Quant Time: Sep 19 01:36:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

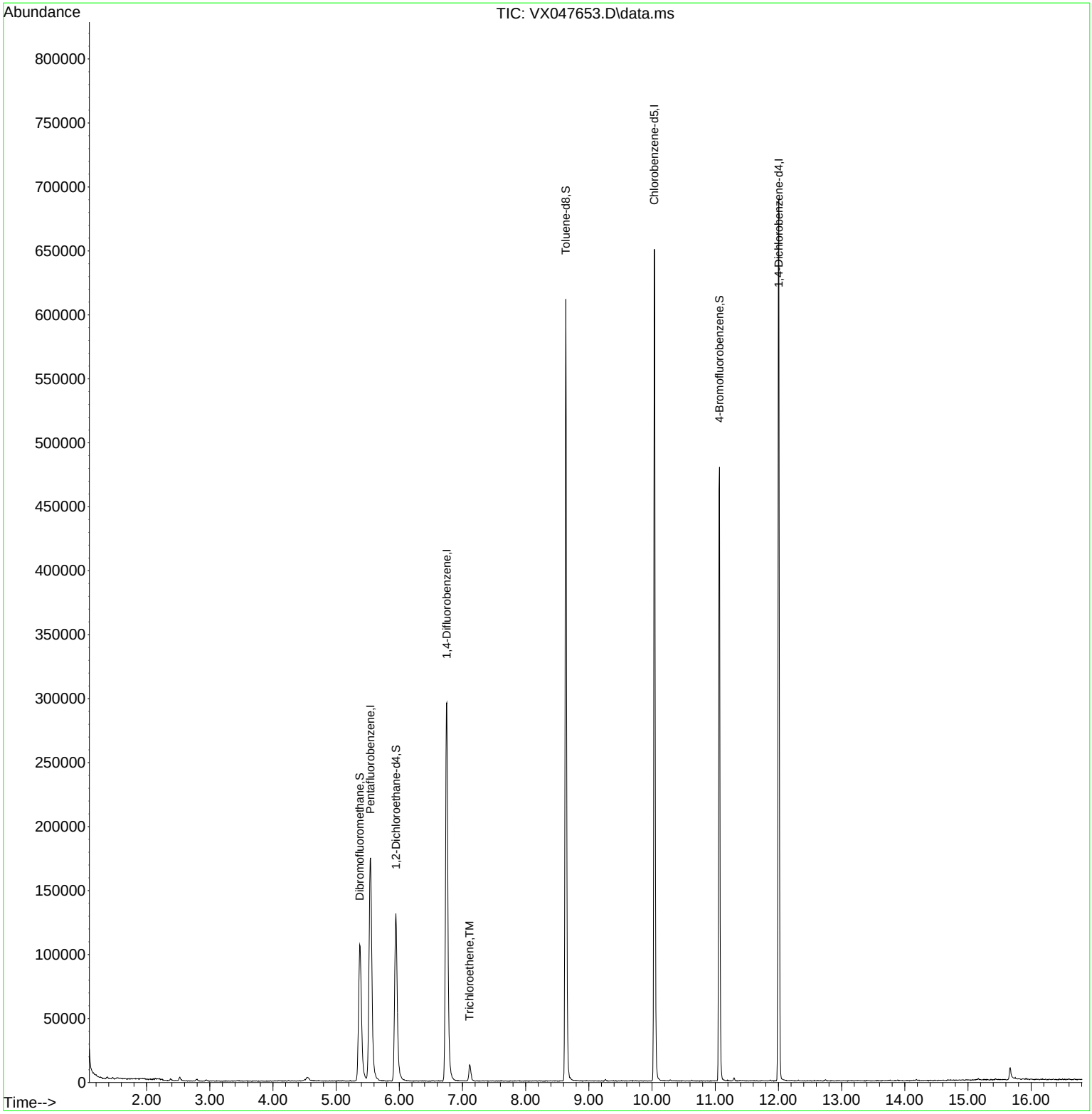
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.543	168	175250	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.750	114	326969	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.036	117	296847	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	144761	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	141916	50.874	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 101.740%			
35) Dibromofluoromethane	5.373	113	105607	48.160	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 96.320%			
50) Toluene-d8	8.634	98	366591	48.314	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 96.620%			
62) 4-Bromofluorobenzene	11.067	95	139415	48.414	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 96.820%			
Target Compounds						Qvalue
44) Trichloroethene	7.110	130	5470	2.325	ug/l	93

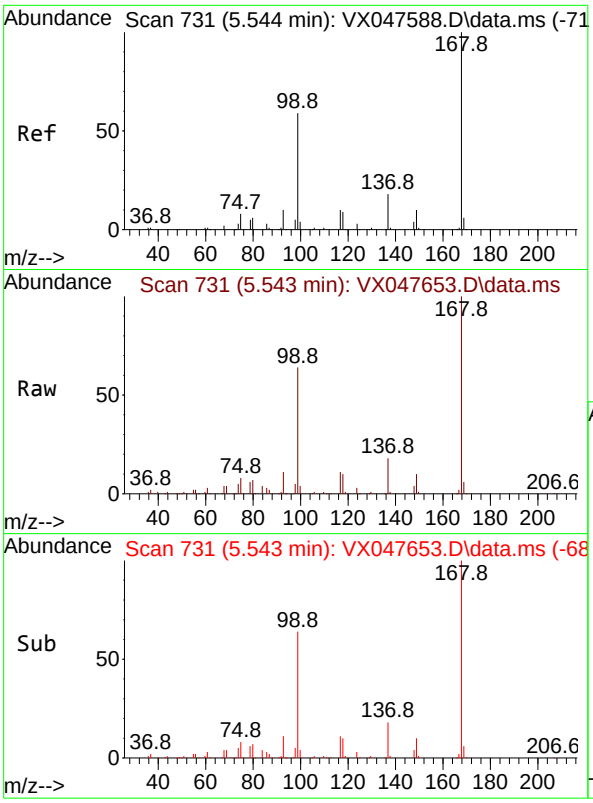
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091825\
Data File : VX047653.D
Acq On : 18 Sep 2025 19:32
Operator : JC/MD
Sample : Q3095-28
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RE104D3-20250910

Quant Time: Sep 19 01:36:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



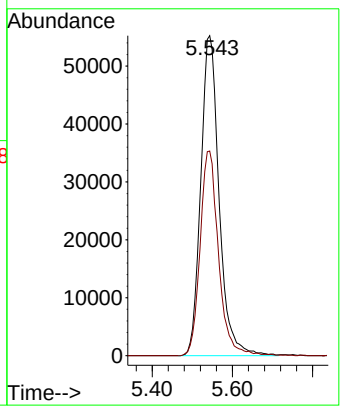


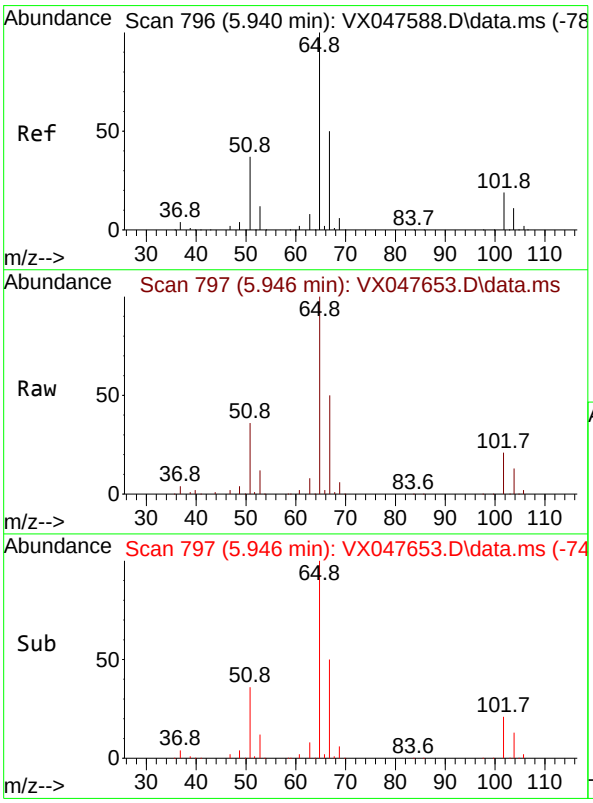
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.543 min Scan# 7
Delta R.T. -0.001 min
Lab File: VX047653.D
Acq: 18 Sep 2025 19:32

Instrument :
MSVOA_X
ClientSampleId :
RE104D3-20250910

Tgt Ion:168 Resp: 175250

Ion	Ratio	Lower	Upper
168	100		
99	63.9	48.8	73.2

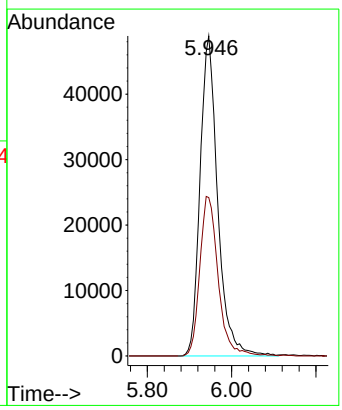


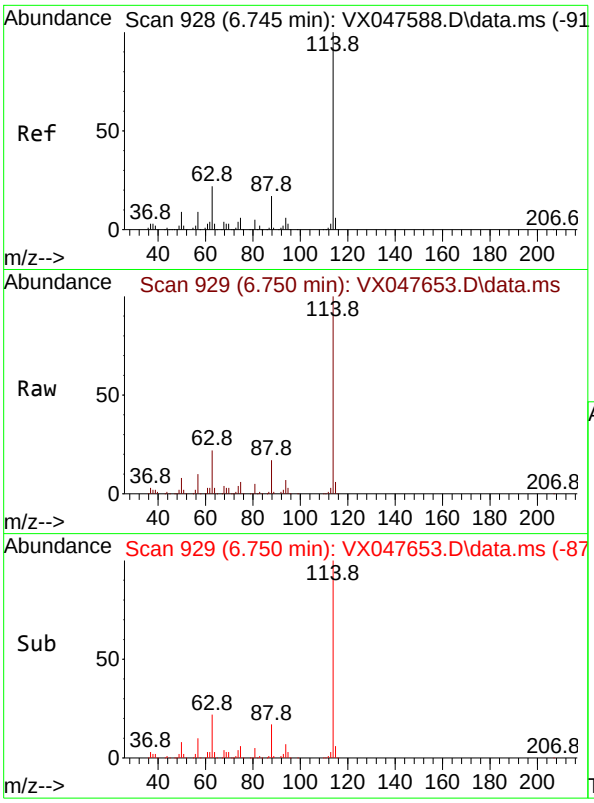


#33
1,2-Dichloroethane-d4
Concen: 50.874 ug/l
RT: 5.946 min Scan# 797
Delta R.T. 0.006 min
Lab File: VX047653.D
Acq: 18 Sep 2025 19:32

Tgt Ion: 65 Resp: 141916

Ion	Ratio	Lower	Upper
65	100		
67	51.8	0.0	103.0



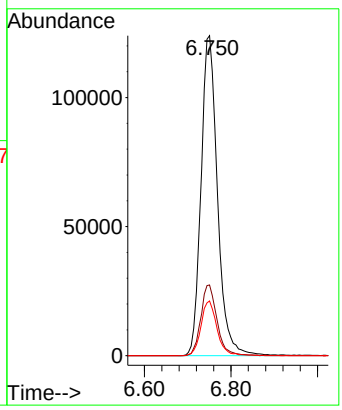


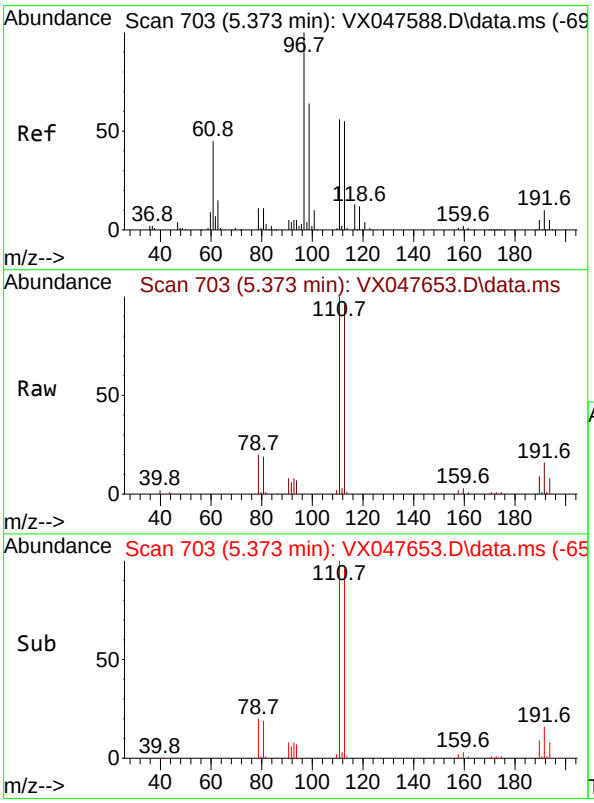
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.750 min Scan# 9
Delta R.T. 0.006 min
Lab File: VX047653.D
Acq: 18 Sep 2025 19:32

Instrument :
MSVOA_X
ClientSampleId :
RE104D3-20250910

Tgt Ion:114 Resp: 326969

Ion	Ratio	Lower	Upper
114	100		
63	22.1	0.0	44.0
88	17.1	0.0	34.2

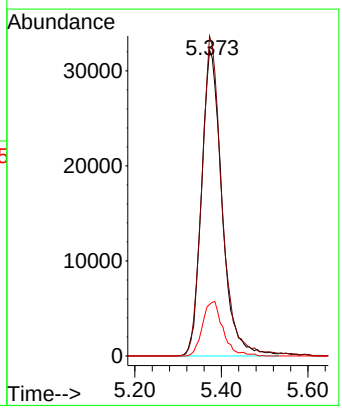


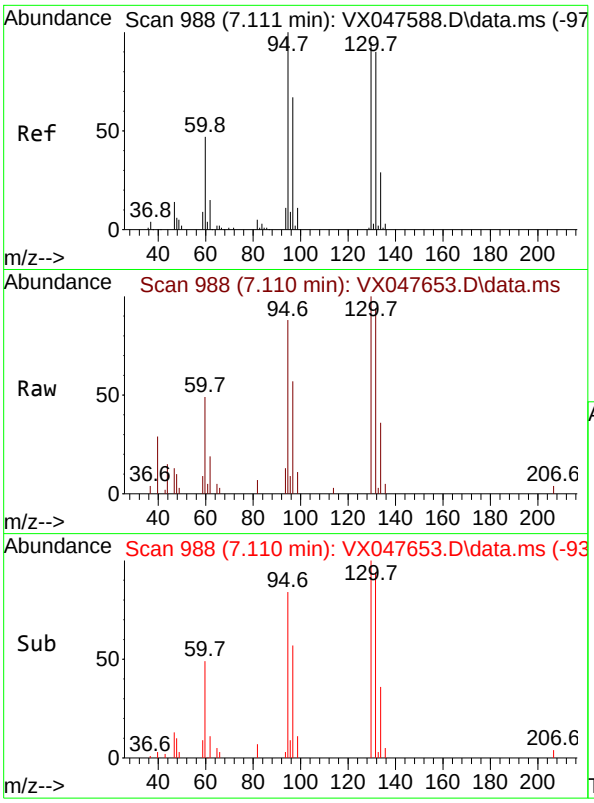


#35
Dibromofluoromethane
Concen: 48.160 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX047653.D
Acq: 18 Sep 2025 19:32

Tgt Ion:113 Resp: 105607

Ion	Ratio	Lower	Upper
113	100		
111	102.8	80.9	121.3
192	17.8	14.2	21.4



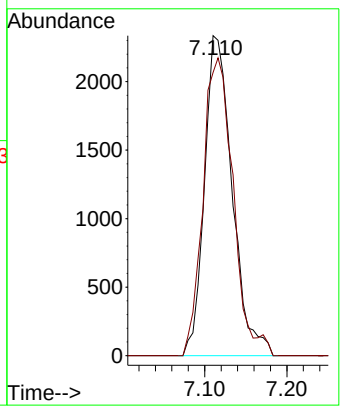


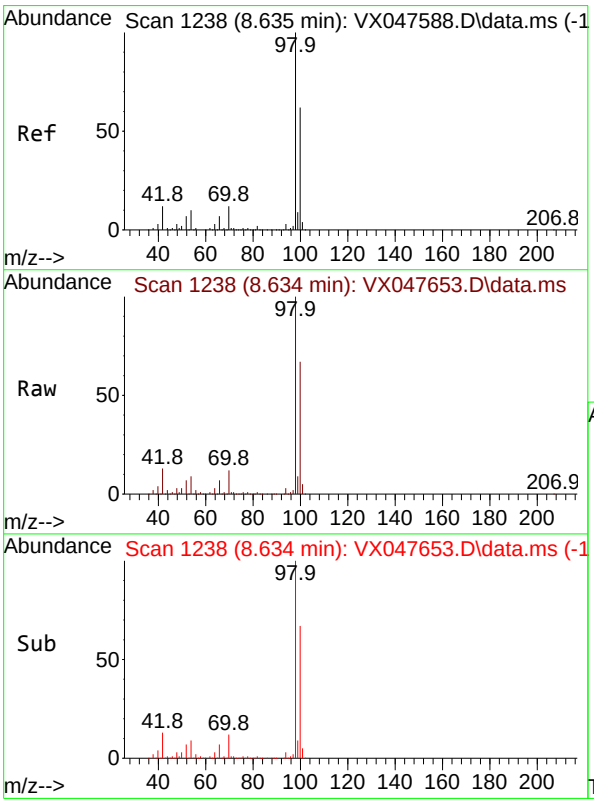
#44
Trichloroethene
Concen: 2.325 ug/l
RT: 7.110 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX047653.D
Acq: 18 Sep 2025 19:32

Instrument :
MSVOA_X
ClientSampleId :
RE104D3-20250910

Tgt Ion:130 Resp: 5470

Ion	Ratio	Lower	Upper
130	100		
95	97.7	0.0	210.8

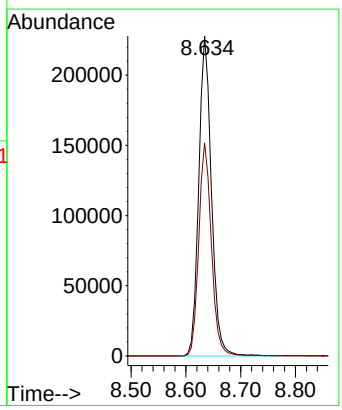


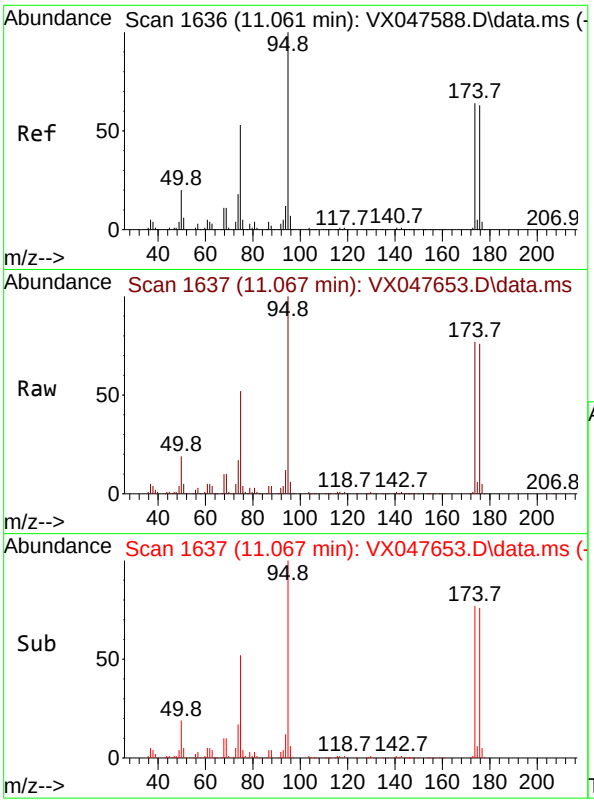


#50
Toluene-d8
Concen: 48.314 ug/l
RT: 8.634 min Scan# 1238
Delta R.T. -0.001 min
Lab File: VX047653.D
Acq: 18 Sep 2025 19:32

Tgt Ion: 98 Resp: 366591

Ion	Ratio	Lower	Upper
98	100		
100	66.4	53.0	79.4



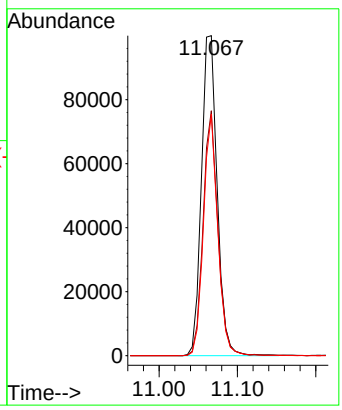


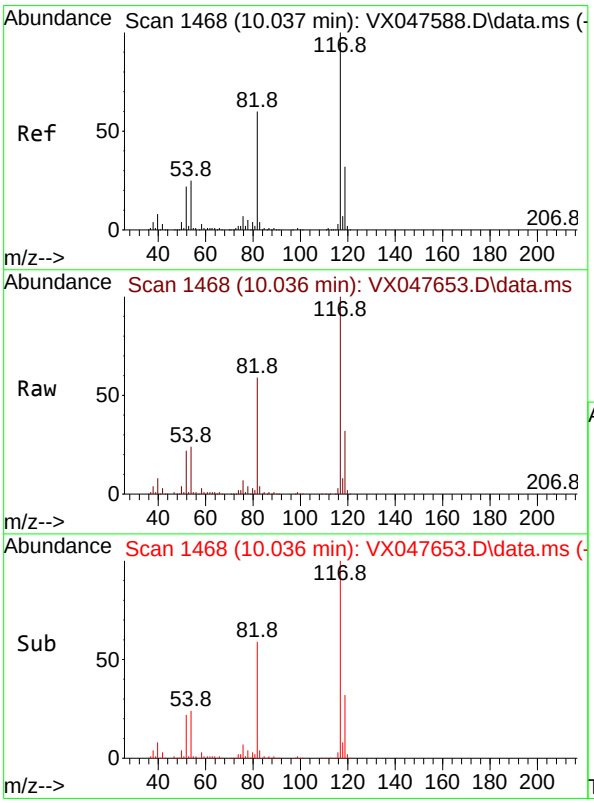
#62
4-Bromofluorobenzene
Concen: 48.414 ug/l
RT: 11.067 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047653.D
Acq: 18 Sep 2025 19:32

Instrument :
MSVOA_X
ClientSampleId :
RE104D3-20250910

Tgt Ion: 95 Resp: 139415

Ion	Ratio	Lower	Upper
95	100		
174	71.8	0.0	141.6
176	68.8	0.0	138.4

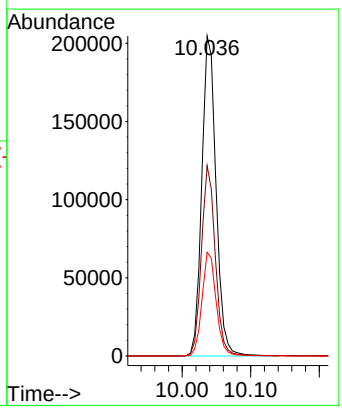


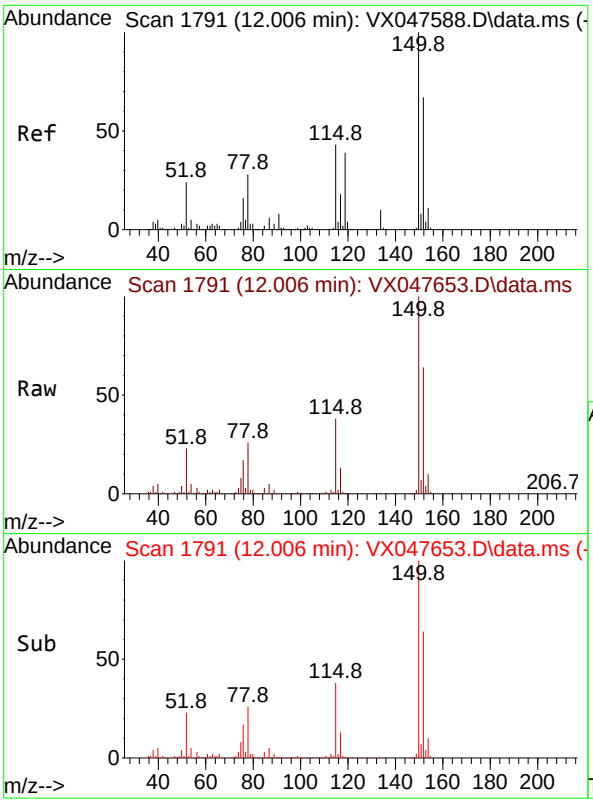


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.036 min Scan# 1468
Delta R.T. -0.001 min
Lab File: VX047653.D
Acq: 18 Sep 2025 19:32

Tgt Ion:117 Resp: 296847

Ion	Ratio	Lower	Upper
117	100		
82	59.5	47.8	71.6
119	32.4	25.2	37.8



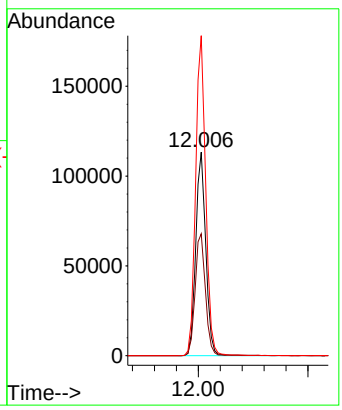


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047653.D
Acq: 18 Sep 2025 19:32

Instrument :
MSVOA_X
ClientSampleId :
RE104D3-20250910

Tgt Ion:152 Resp: 144761

Ion	Ratio	Lower	Upper
152	100		
115	61.8	44.9	134.5
150	157.7	0.0	352.0



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:	09/10/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/12/25
Client Sample ID:	RE122D2-20250910	SDG No.:	Q3095
Lab Sample ID:	Q3095-29	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047654.D	1	09/18/25 19:53	VX091825

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	8.30		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	2.10		0.23	0.75	1.00	ug/L
67-64-1	Acetone	3.80	U	1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	1.40		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	1.80		0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	UQ	0.22	0.50	1.00	ug/L
67-66-3	Chloroform	0.81	J	0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.16	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	2900	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:	09/10/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/12/25
Client Sample ID:	RE122D2-20250910	SDG No.:	Q3095
Lab Sample ID:	Q3095-29	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047654.D	1	09/18/25 19:53	VX091825

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	0.93	J	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	4.20		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	58.2		81 - 118		116%	SPK: 50
1868-53-7	Dibromofluoromethane	54.8		80 - 119		110%	SPK: 50
2037-26-5	Toluene-d8	48.9		89 - 112		98%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.7		85 - 114		101%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	163000	5.544				
540-36-3	1,4-Difluorobenzene	304000	6.751				
3114-55-4	Chlorobenzene-d5	246000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	122000	12.006				

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:	09/10/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/12/25
Client Sample ID:	RE122D2-20250910	SDG No.:	Q3095
Lab Sample ID:	Q3095-29	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047654.D	1	09/18/25 19:53	VX091825

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\VX091825\
Data File : VX047654.D
Acq On : 18 Sep 2025 19:53
Operator : JC/MD
Sample : Q3095-29
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RE122D2-20250910

Quant Time: Sep 19 01:36:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

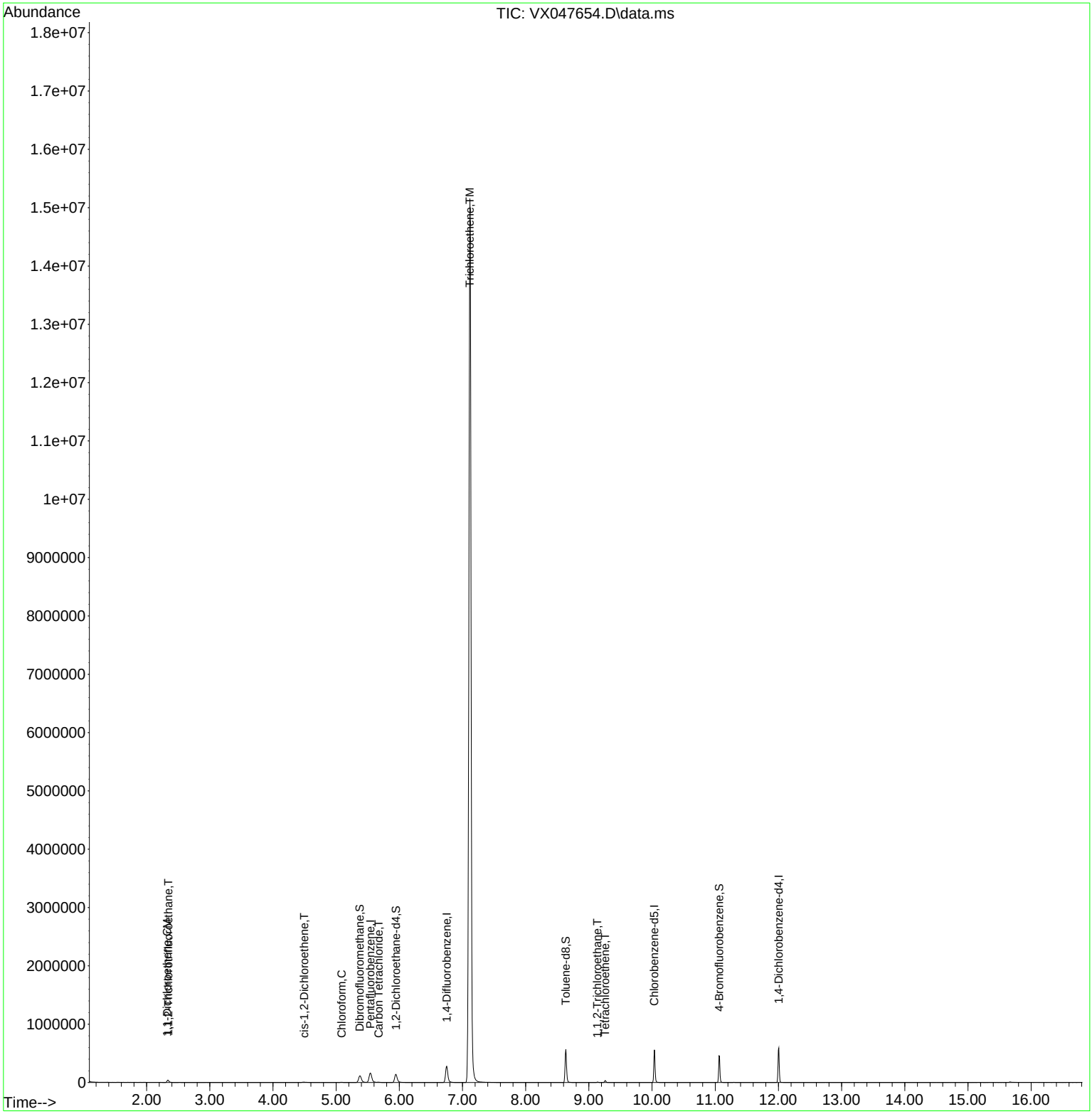
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	163338	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	303548	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	246226	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	122418	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	151198	58.155	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 116.300%			
35) Dibromofluoromethane	5.373	113	111583	54.811	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 109.620%			
50) Toluene-d8	8.635	98	344429	48.896	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 97.800%			
62) 4-Bromofluorobenzene	11.061	95	135505	50.687	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 101.380%			
Target Compounds						Qvalue
9) 1,1,2-Trichlorotrifluo...	2.343	101	15662	8.290	ug/l	97
12) 1,1-Dichloroethene	2.325	96	4014	2.068	ug/l	94
27) cis-1,2-Dichloroethene	4.495	96	4530	1.770	ug/l	93
30) Chloroform	5.086	83	3388	0.813	ug/l	100
38) Carbon Tetrachloride	5.672	117	4455	1.378	ug/l #	80
44) Trichloroethene	7.117	130	6374946	2918.489	ug/l	98
55) 1,1,2-Trichloroethane	9.135	97	2000	0.932	ug/l #	86
64) Tetrachloroethene	9.256	164	6710	4.180	ug/l	94

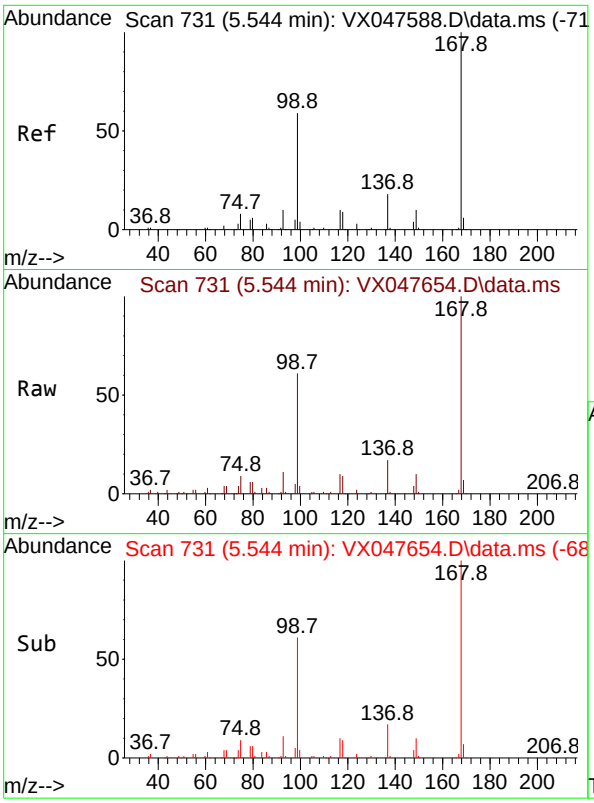
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091825\
Data File : VX047654.D
Acq On : 18 Sep 2025 19:53
Operator : JC/MD
Sample : Q3095-29
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RE122D2-20250910

Quant Time: Sep 19 01:36:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



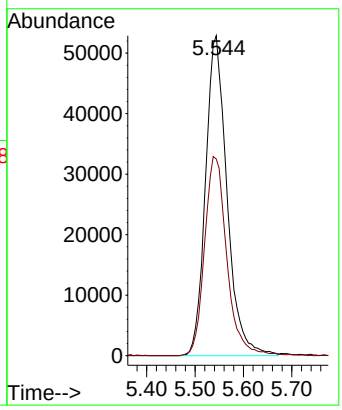


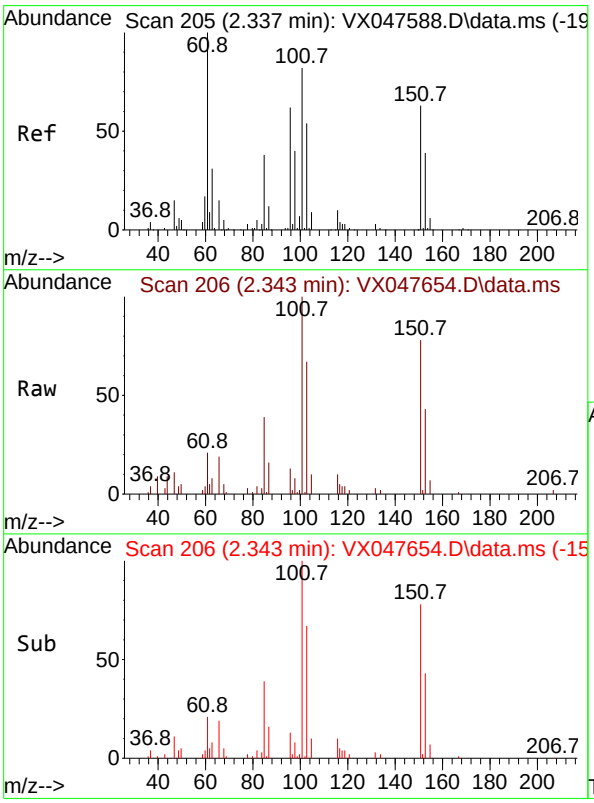
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047654.D
Acq: 18 Sep 2025 19:53

Instrument :
MSVOA_X
ClientSampleId :
RE122D2-20250910

Tgt Ion:168 Resp: 163338

Ion	Ratio	Lower	Upper
168	100		
99	61.5	48.8	73.2

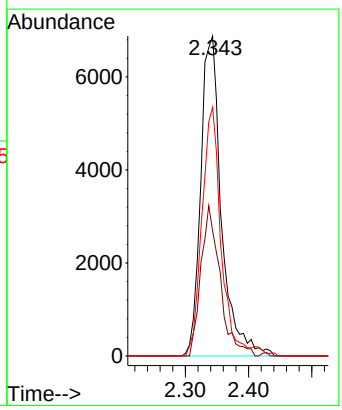


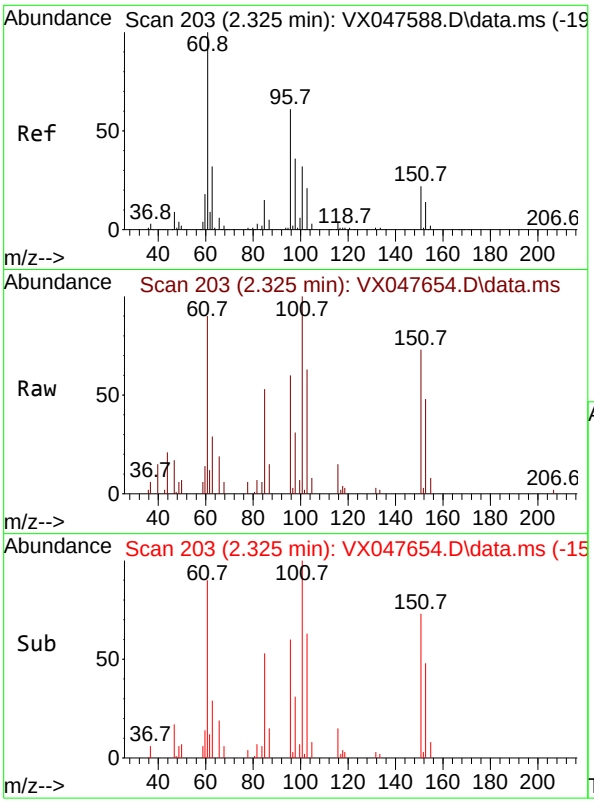


#9
1,1,2-Trichlorotrifluoroethane
Concen: 8.290 ug/l
RT: 2.343 min Scan# 206
Delta R.T. 0.006 min
Lab File: VX047654.D
Acq: 18 Sep 2025 19:53

Tgt Ion:101 Resp: 15662

Ion	Ratio	Lower	Upper
101	100		
85	43.7	35.5	53.3
151	71.3	59.4	89.0



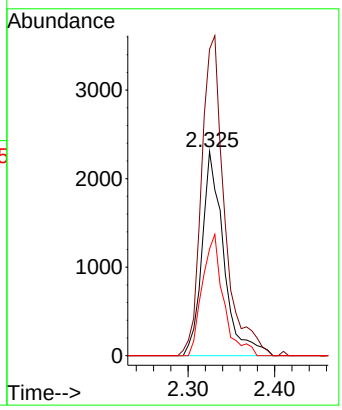


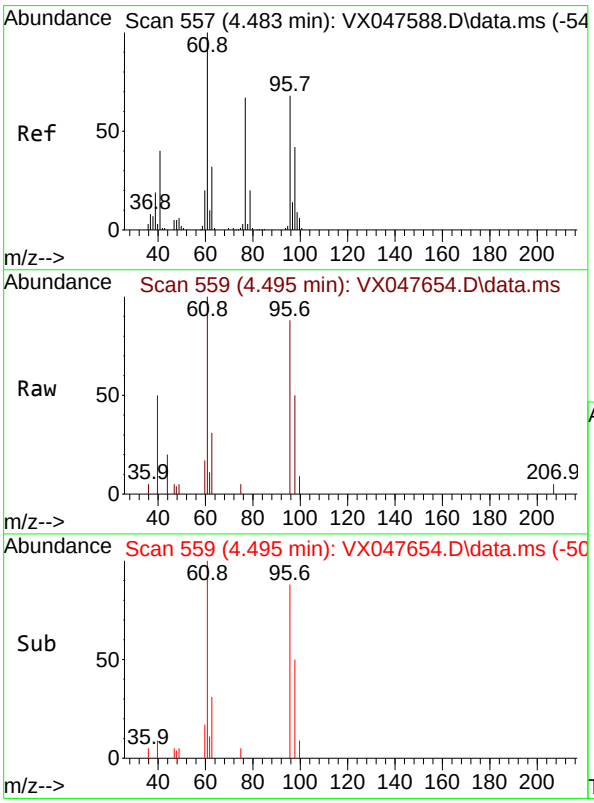
#12
1,1-Dichloroethene
Concen: 2.068 ug/l
RT: 2.325 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047654.D
Acq: 18 Sep 2025 19:53

Instrument :
MSVOA_X
ClientSampleId :
RE122D2-20250910

Tgt Ion: 96 Resp: 4014

Ion	Ratio	Lower	Upper
96	100		
61	170.7	131.0	196.6
98	52.3	47.7	71.5

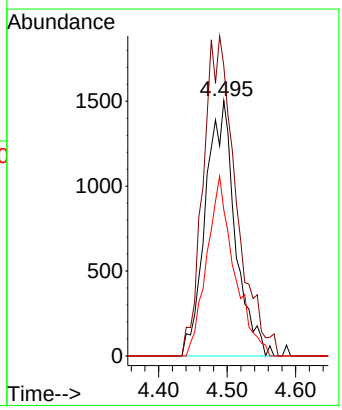


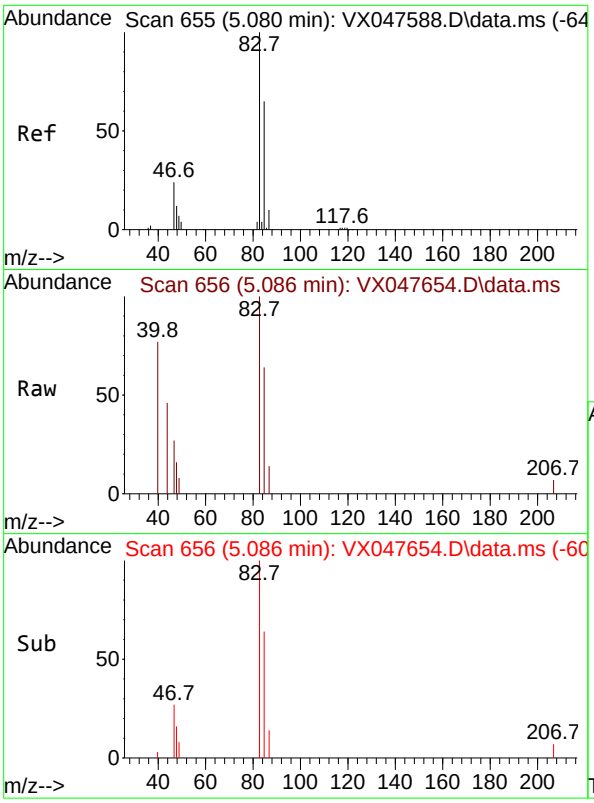


#27
cis-1,2-Dichloroethene
Concen: 1.770 ug/l
RT: 4.495 min Scan# 559
Delta R.T. 0.012 min
Lab File: VX047654.D
Acq: 18 Sep 2025 19:53

Tgt Ion: 96 Resp: 4530

Ion	Ratio	Lower	Upper
96	100		
61	138.9	0.0	303.2
98	65.2	0.0	127.8



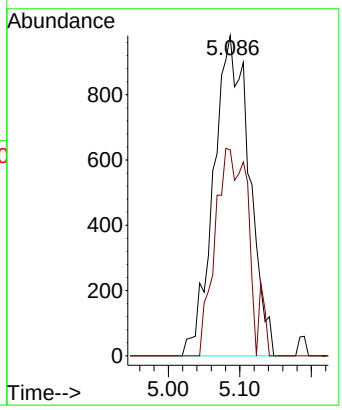


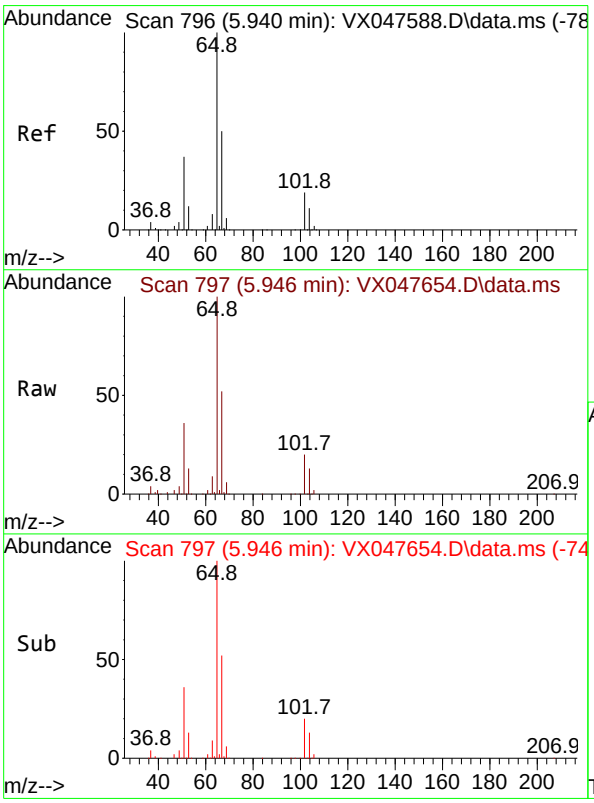
#30
Chloroform
Concen: 0.813 ug/l
RT: 5.086 min Scan# 6
Delta R.T. 0.006 min
Lab File: VX047654.D
Acq: 18 Sep 2025 19:53

Instrument :
MSVOA_X
ClientSampleId :
RE122D2-20250910

Tgt Ion: 83 Resp: 3388

Ion	Ratio	Lower	Upper
83	100		
85	64.3	51.8	77.6

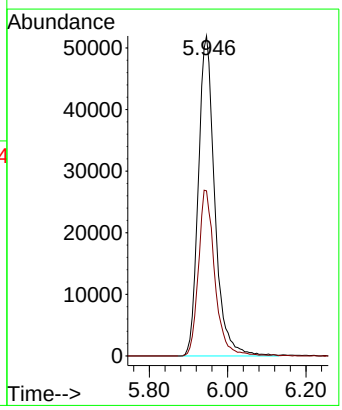


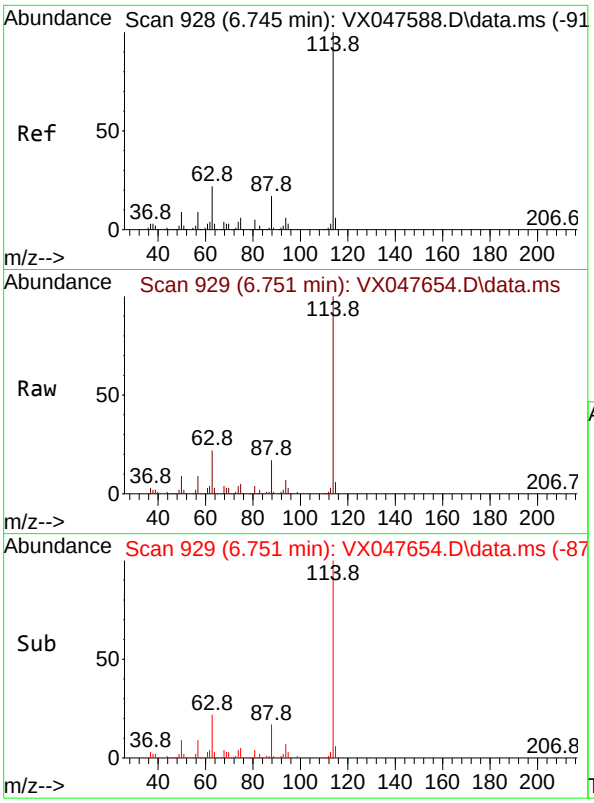


#33
1,2-Dichloroethane-d4
Concen: 58.155 ug/l
RT: 5.946 min Scan# 797
Delta R.T. 0.006 min
Lab File: VX047654.D
Acq: 18 Sep 2025 19:53

Tgt Ion: 65 Resp: 151198

Ion	Ratio	Lower	Upper
65	100		
67	51.6	0.0	103.0



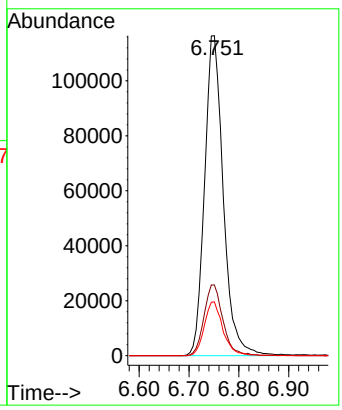


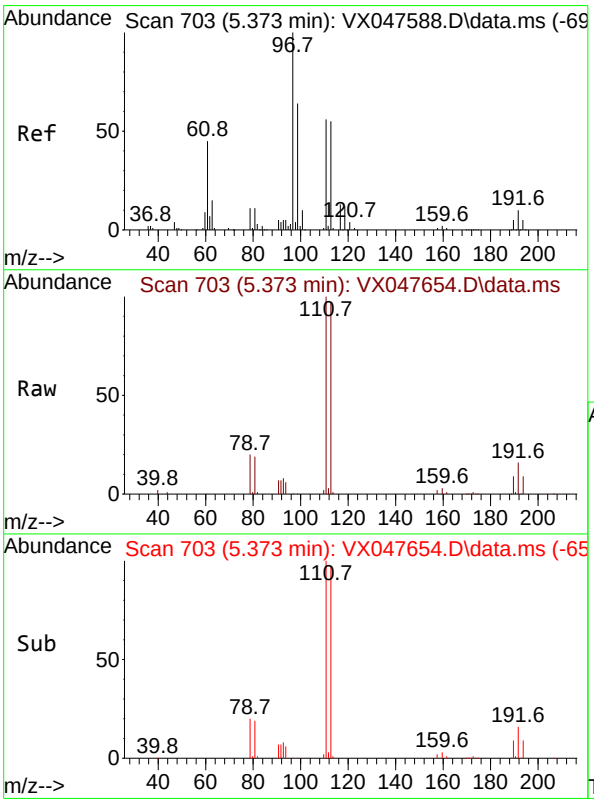
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 9
Delta R.T. 0.006 min
Lab File: VX047654.D
Acq: 18 Sep 2025 19:53

Instrument :
MSVOA_X
ClientSampleId :
RE122D2-20250910

Tgt Ion:114 Resp: 303548

Ion	Ratio	Lower	Upper
114	100		
63	25.2	0.0	44.0
88	16.9	0.0	34.2

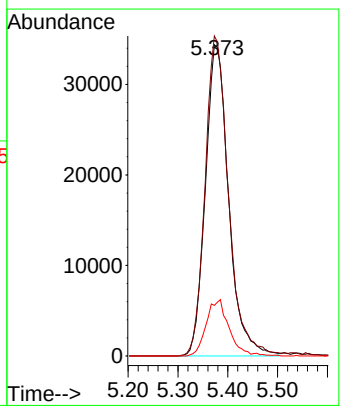


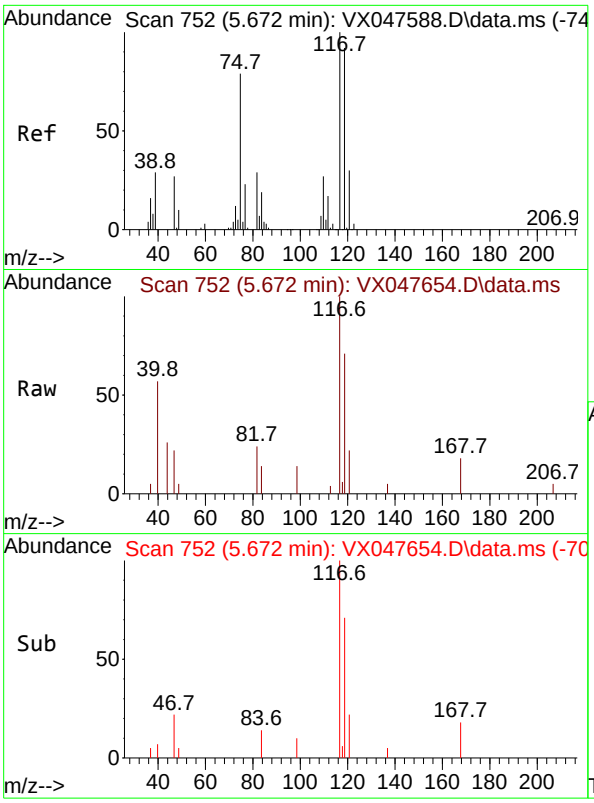


#35
Dibromofluoromethane
Concen: 54.811 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX047654.D
Acq: 18 Sep 2025 19:53

Tgt Ion:113 Resp: 111583

Ion	Ratio	Lower	Upper
113	100		
111	103.2	80.9	121.3
192	17.8	14.2	21.4



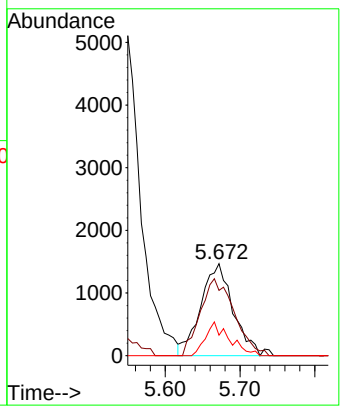


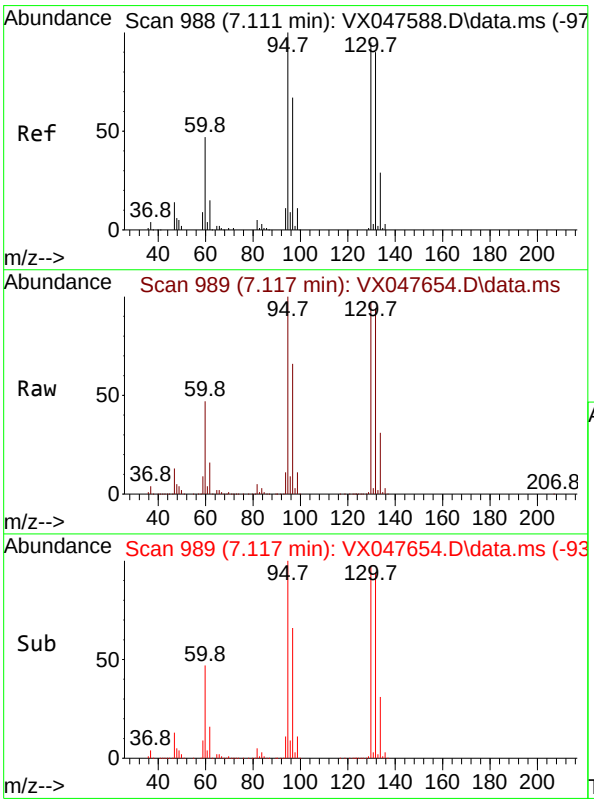
#38
Carbon Tetrachloride
Concen: 1.378 ug/l
RT: 5.672 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047654.D
Acq: 18 Sep 2025 19:53

Instrument :
MSVOA_X
ClientSampleId :
RE122D2-20250910

Tgt Ion:117 Resp: 4455

Ion	Ratio	Lower	Upper
117	100		
119	70.9	73.4	110.2#
121	22.2	23.8	35.6#

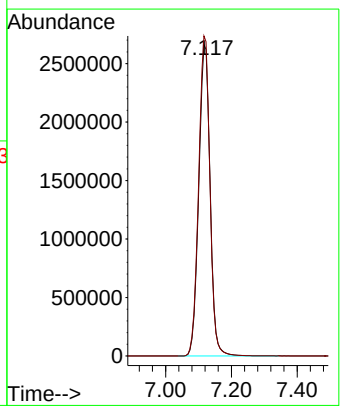


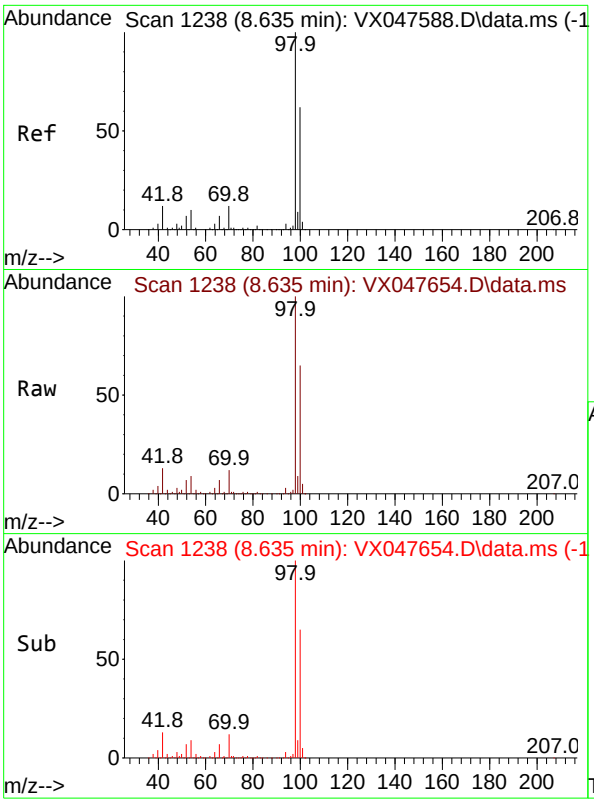


#44
Trichloroethene
Concen: 2918.489 ug/l
RT: 7.117 min Scan# 989
Delta R.T. 0.006 min
Lab File: VX047654.D
Acq: 18 Sep 2025 19:53

Tgt Ion:130 Resp: 6374946

Ion	Ratio	Lower	Upper
130	100		
95	102.8	0.0	210.8



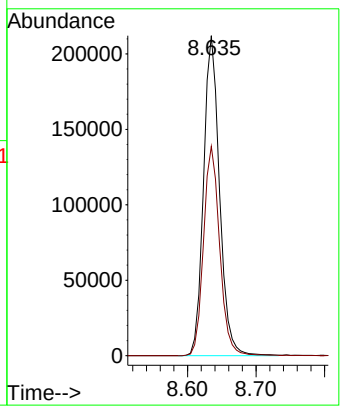


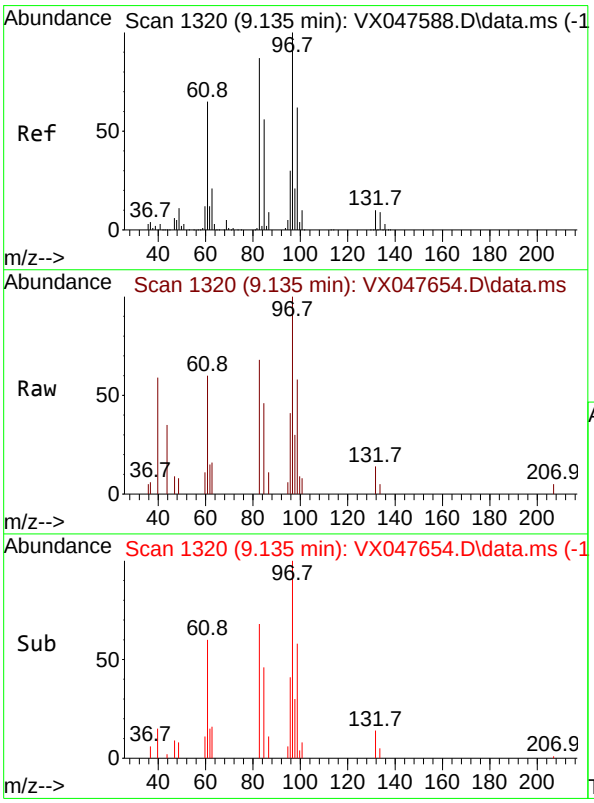
#50
Toluene-d8
Concen: 48.896 ug/l
RT: 8.635 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047654.D
Acq: 18 Sep 2025 19:53

Instrument :
MSVOA_X
ClientSampleId :
RE122D2-20250910

Tgt Ion: 98 Resp: 344429

Ion	Ratio	Lower	Upper
98	100		
100	66.0	53.0	79.4

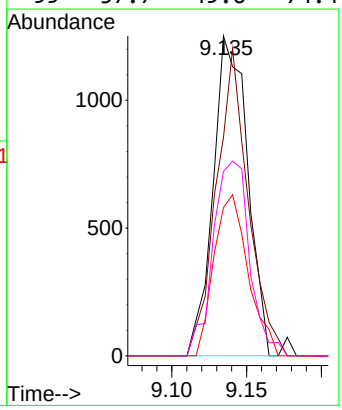


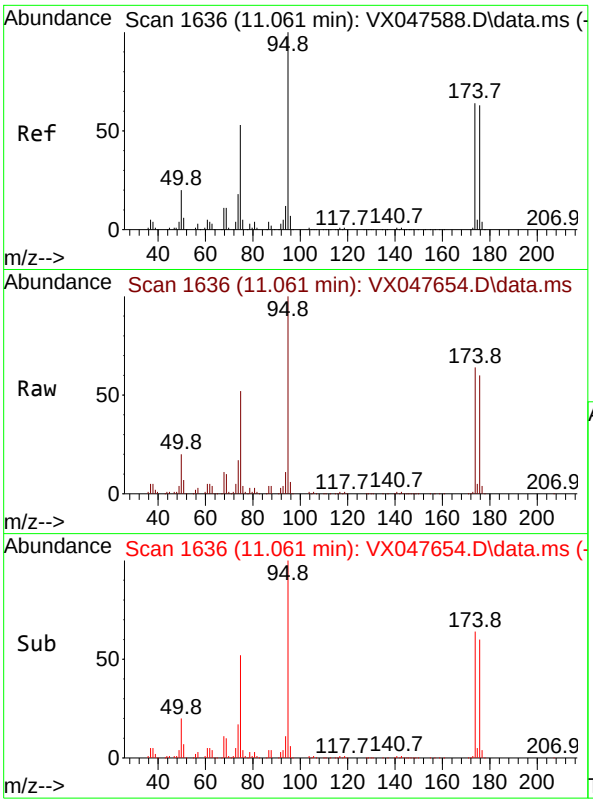


#55
1,1,2-Trichloroethane
Concen: 0.932 ug/l
RT: 9.135 min Scan# 1320
Delta R.T. -0.000 min
Lab File: VX047654.D
Acq: 18 Sep 2025 19:53

Tgt Ion: 97 Resp: 2000

Ion	Ratio	Lower	Upper
97	100		
83	68.3	69.6	104.4#
85	46.3	45.0	67.6
99	57.7	49.6	74.4



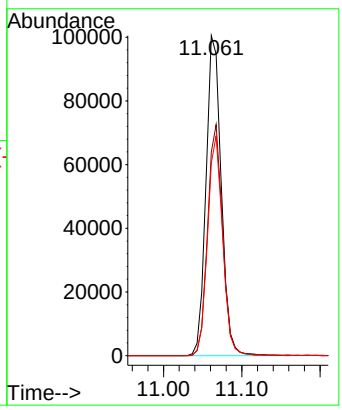


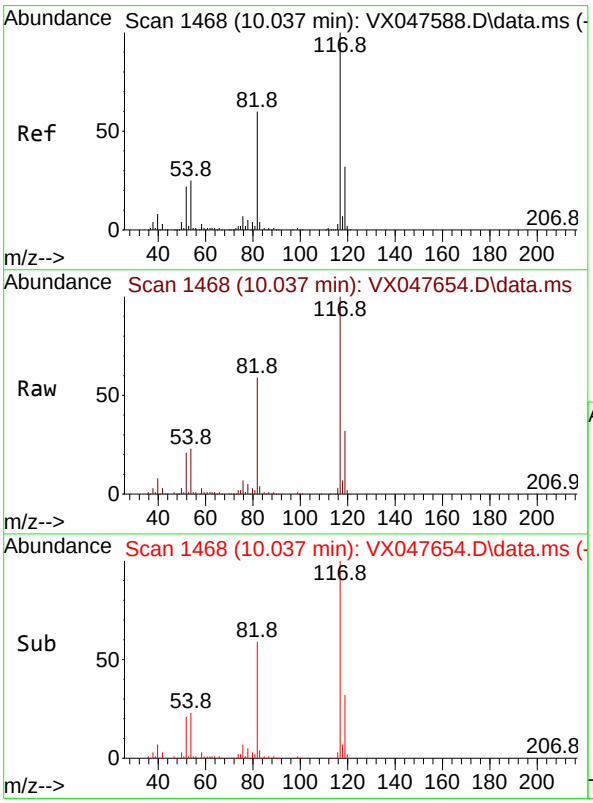
#62
4-Bromofluorobenzene
Concen: 50.687 ug/l
RT: 11.061 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047654.D
Acq: 18 Sep 2025 19:53

Instrument :
MSVOA_X
ClientSampleId :
RE122D2-20250910

Tgt Ion: 95 Resp: 135505

Ion	Ratio	Lower	Upper
95	100		
174	71.4	0.0	141.6
176	67.7	0.0	138.4

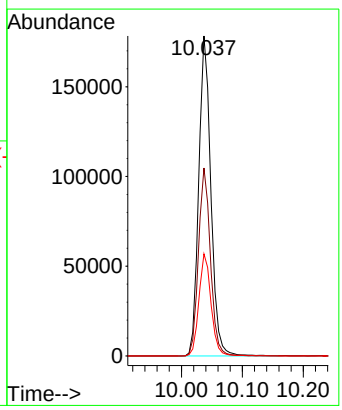


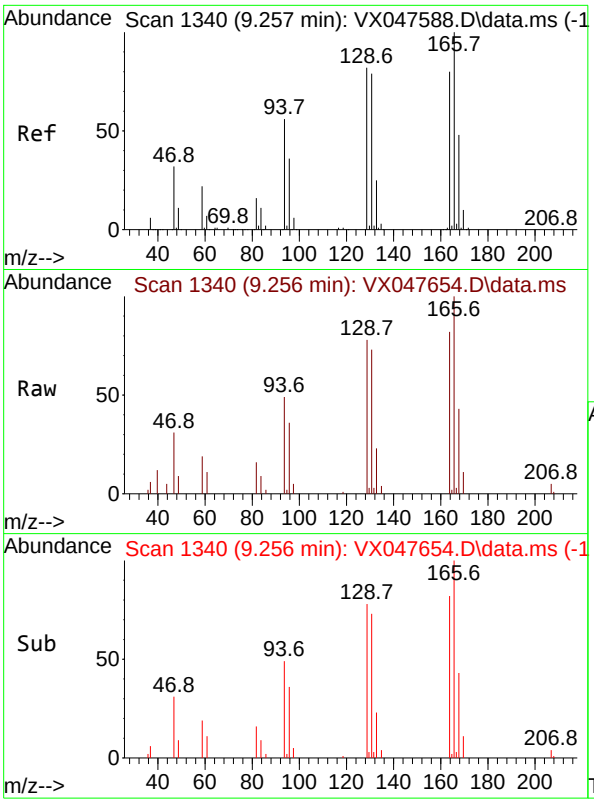


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX047654.D
Acq: 18 Sep 2025 19:53

Tgt Ion:117 Resp: 246226

Ion	Ratio	Lower	Upper
117	100		
82	58.7	47.8	71.6
119	31.9	25.2	37.8



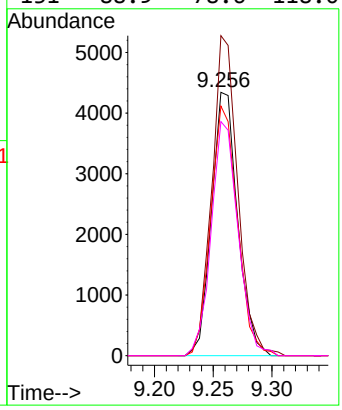


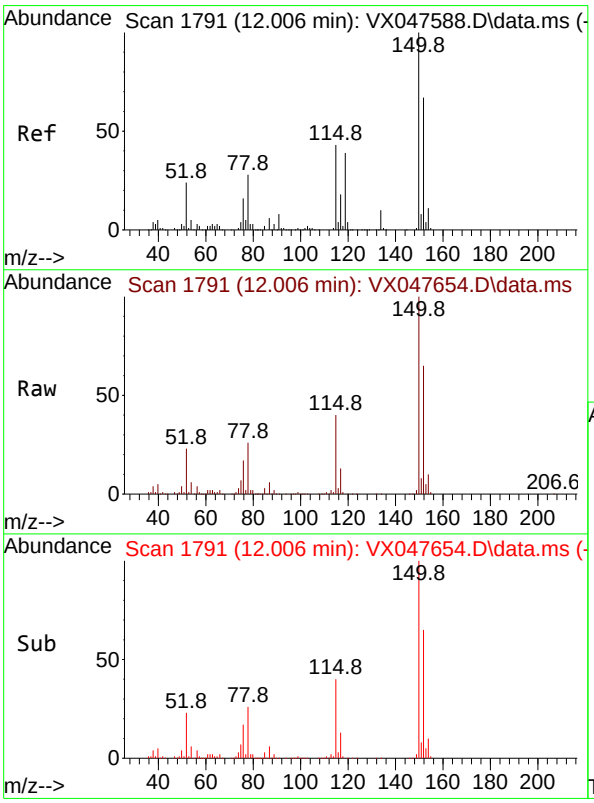
#64
Tetrachloroethene
Concen: 4.180 ug/l
RT: 9.256 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047654.D
Acq: 18 Sep 2025 19:53

Instrument :
MSVOA_X
ClientSampleId :
RE122D2-20250910

Tgt Ion:164 Resp: 6710

Ion	Ratio	Lower	Upper
164	100		
166	121.5	100.2	150.2
129	94.8	81.8	122.6
131	88.9	78.6	118.0

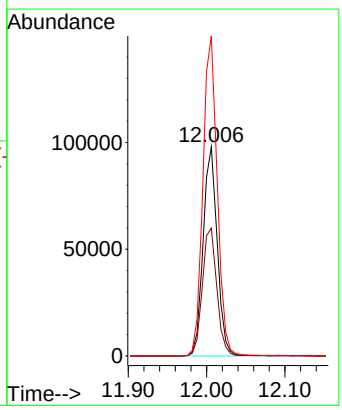




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047654.D
Acq: 18 Sep 2025 19:53

Tgt Ion:152 Resp: 122418

Ion	Ratio	Lower	Upper
152	100		
115	62.9	44.9	134.5
150	155.5	0.0	352.0



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:	09/10/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/12/25
Client Sample ID:	RE122D2-20250910DL	SDG No.:	Q3095
Lab Sample ID:	Q3095-29DL	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047667.D	50	09/19/25 12:08	VX091925

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	UD	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	3000	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:	09/10/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/12/25
Client Sample ID:	RE122D2-20250910DL	SDG No.:	Q3095
Lab Sample ID:	Q3095-29DL	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047667.D	50	09/19/25 12:08	VX091925

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	60.1	*	81 - 118		120%	SPK: 50
1868-53-7	Dibromofluoromethane	57.3		80 - 119		115%	SPK: 50
2037-26-5	Toluene-d8	57.3	*	89 - 112		115%	SPK: 50
460-00-4	4-Bromofluorobenzene	58.7	*	85 - 114		117%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	169000	5.544				
540-36-3	1,4-Difluorobenzene	312000	6.751				
3114-55-4	Chlorobenzene-d5	285000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	137000	12.006				

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:	09/10/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/12/25
Client Sample ID:	RE122D2-20250910DL	SDG No.:	Q3095
Lab Sample ID:	Q3095-29DL	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047667.D	50	09/19/25 12:08	VX091925

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\VX091925\
Data File : VX047667.D
Acq On : 19 Sep 2025 12:08
Operator : JC/MD
Sample : Q3095-29DL 50X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RE122D2-20250910DL

Quant Time: Sep 20 00:29:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

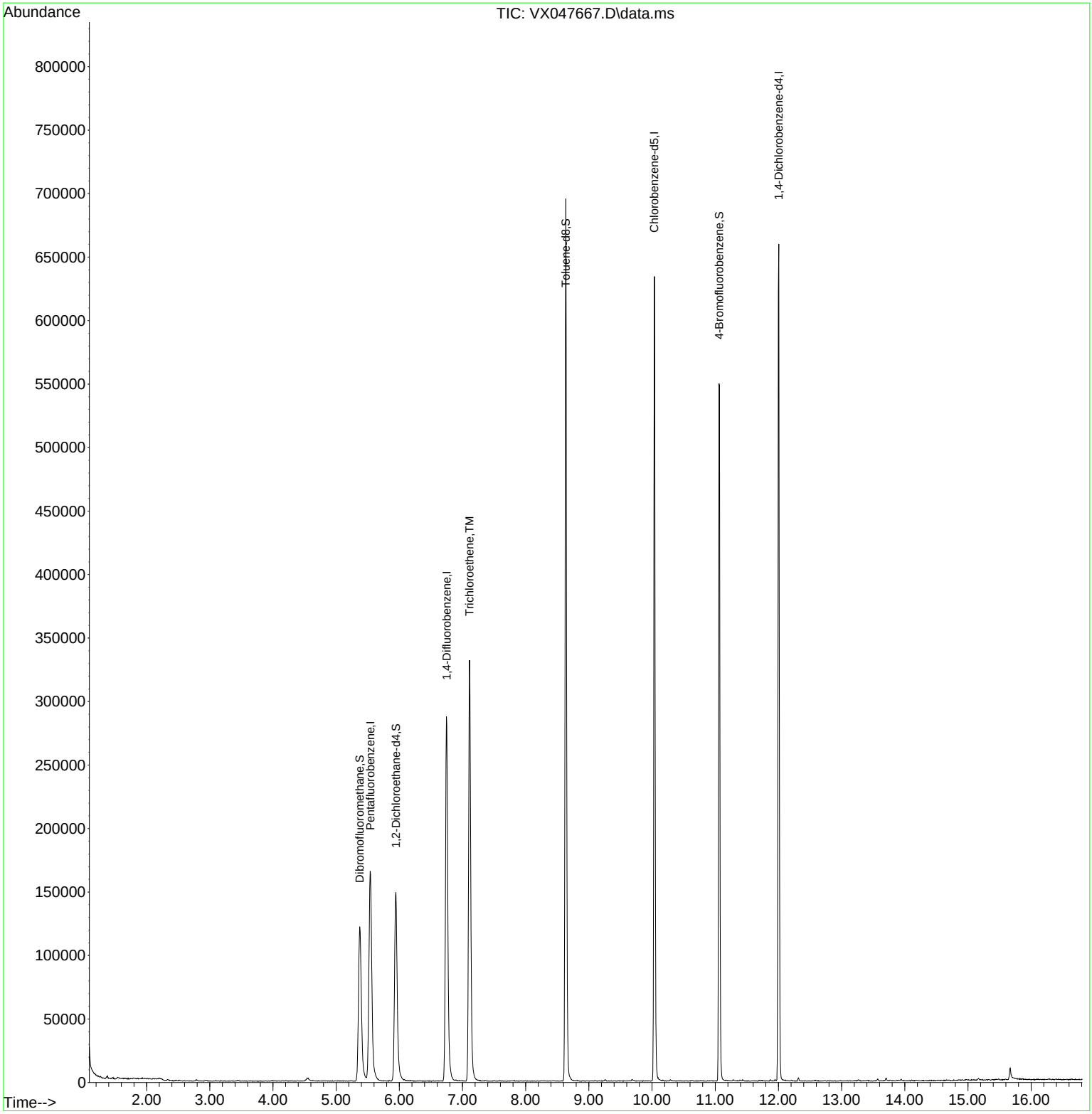
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	168714	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	312288	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	284536	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	137256	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	161328	60.074	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 120.140%#			
35) Dibromofluoromethane	5.373	113	120055	57.323	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 114.640%			
50) Toluene-d8	8.635	98	414918	57.254	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 114.500%#			
62) 4-Bromofluorobenzene	11.061	95	161462	58.706	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 117.420%			
Target Compounds						Qvalue
44) Trichloroethene	7.110	130	136262	60.636	ug/l	99

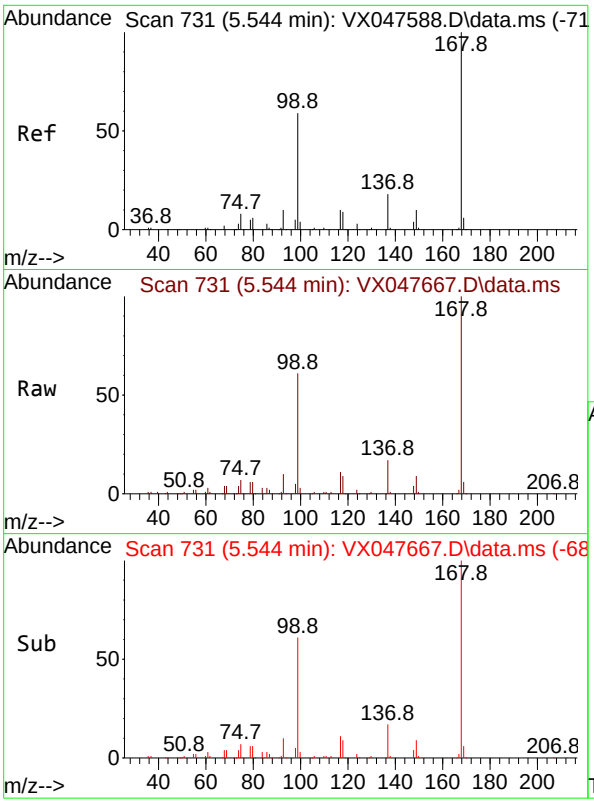
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091925\
Data File : VX047667.D
Acq On : 19 Sep 2025 12:08
Operator : JC/MD
Sample : Q3095-29DL 50X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RE122D2-20250910DL

Quant Time: Sep 20 00:29:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



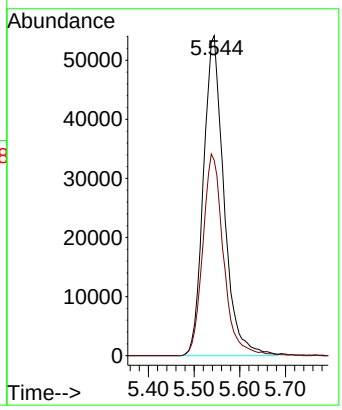


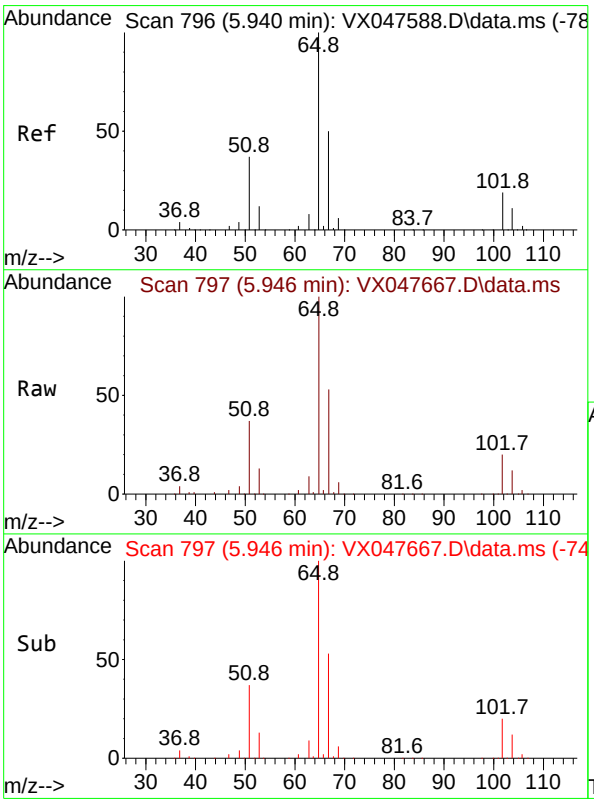
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047667.D
Acq: 19 Sep 2025 12:08

Instrument :
MSVOA_X
ClientSampleId :
RE122D2-20250910DL

Tgt Ion:168 Resp: 168714

Ion	Ratio	Lower	Upper
168	100		
99	61.1	48.8	73.2

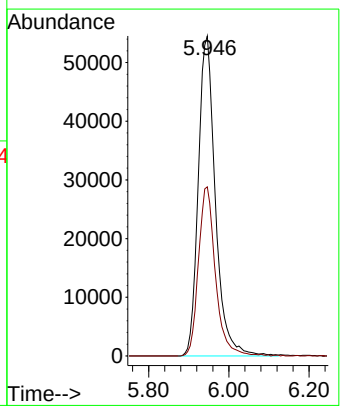


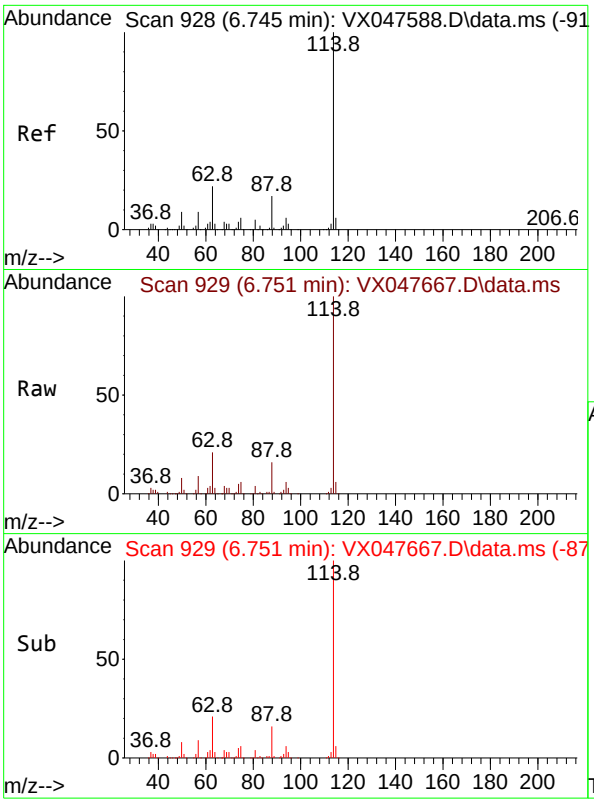


#33
1,2-Dichloroethane-d4
Concen: 60.074 ug/l
RT: 5.946 min Scan# 797
Delta R.T. 0.006 min
Lab File: VX047667.D
Acq: 19 Sep 2025 12:08

Tgt Ion: 65 Resp: 161328

Ion	Ratio	Lower	Upper
65	100		
67	52.6	0.0	103.0



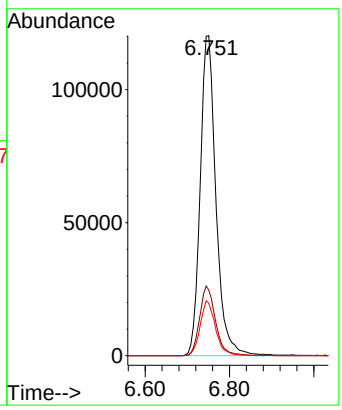


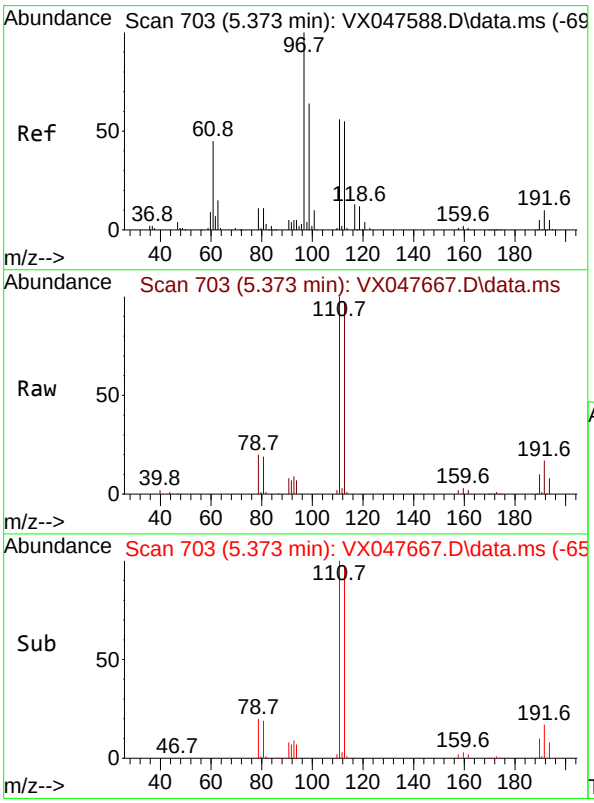
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 9
Delta R.T. 0.006 min
Lab File: VX047667.D
Acq: 19 Sep 2025 12:08

Instrument :
MSVOA_X
ClientSampleId :
RE122D2-20250910DL

Tgt Ion:114 Resp: 312288

Ion	Ratio	Lower	Upper
114	100		
63	20.5	0.0	44.0
88	16.4	0.0	34.2

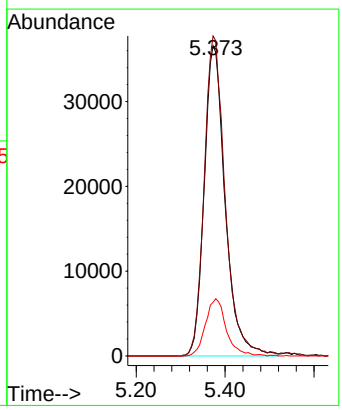


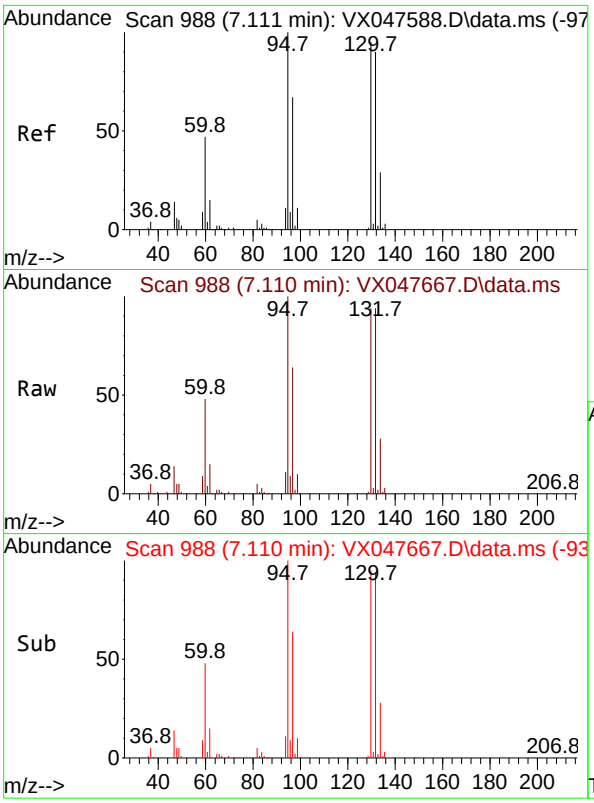


#35
Dibromofluoromethane
Concen: 57.323 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX047667.D
Acq: 19 Sep 2025 12:08

Tgt Ion:113 Resp: 120055

Ion	Ratio	Lower	Upper
113	100		
111	103.3	80.9	121.3
192	18.2	14.2	21.4



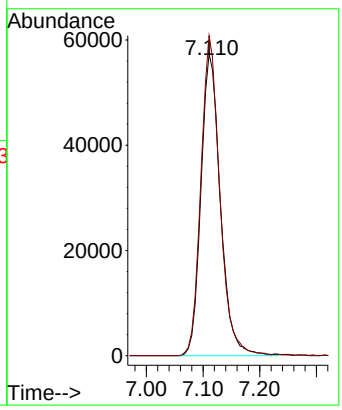


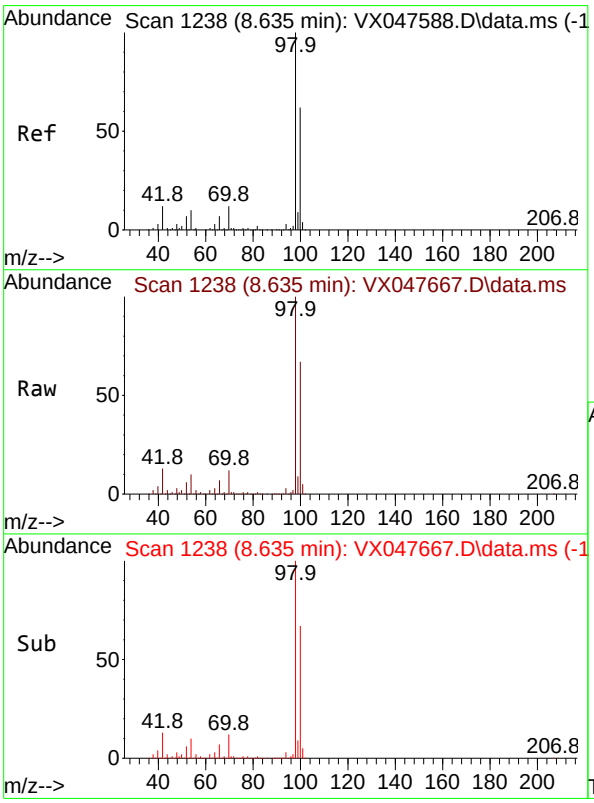
#44
Trichloroethene
Concen: 60.636 ug/l
RT: 7.110 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX047667.D
Acq: 19 Sep 2025 12:08

Instrument :
MSVOA_X
ClientSampleId :
RE122D2-20250910DL

Tgt Ion:130 Resp: 136262

Ion	Ratio	Lower	Upper
130	100		
95	106.0	0.0	210.8

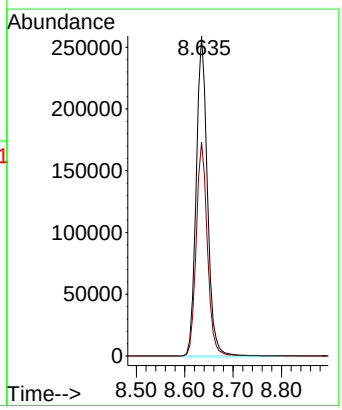


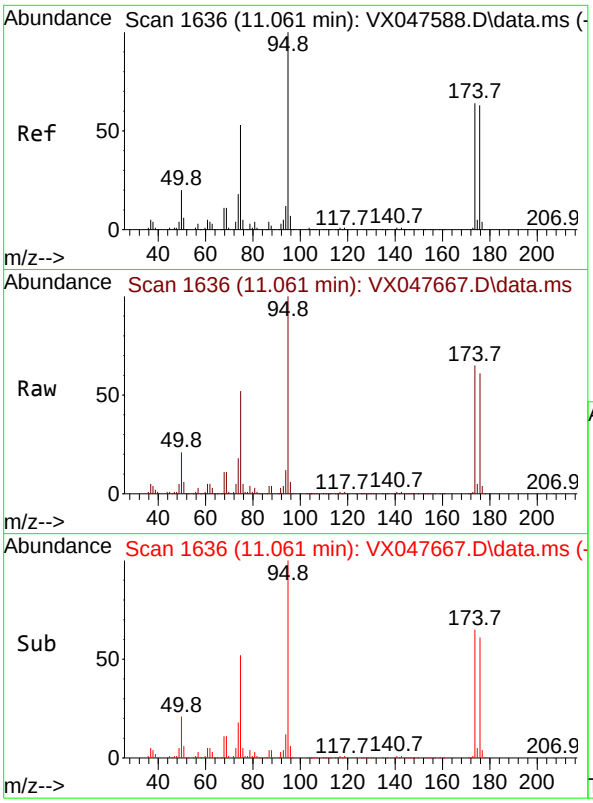


#50
Toluene-d8
Concen: 57.254 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX047667.D
Acq: 19 Sep 2025 12:08

Tgt Ion: 98 Resp: 414918

Ion	Ratio	Lower	Upper
98	100		
100	66.7	53.0	79.4



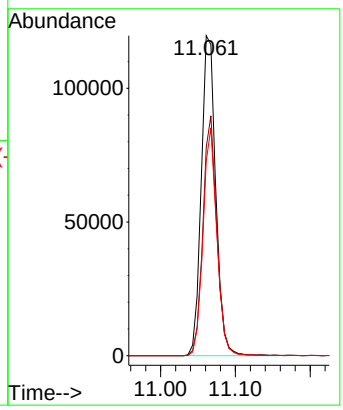


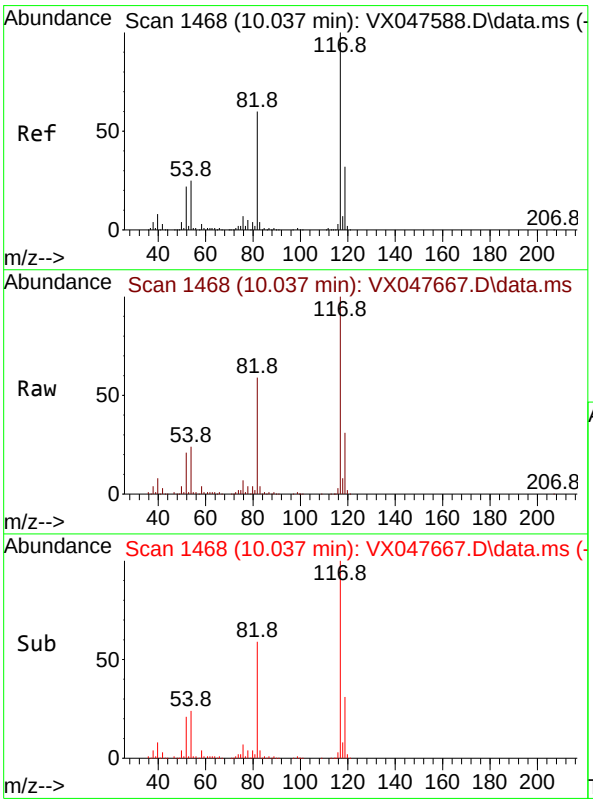
#62
4-Bromofluorobenzene
Concen: 58.706 ug/l
RT: 11.061 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047667.D
Acq: 19 Sep 2025 12:08

Instrument :
MSVOA_X
ClientSampleId :
RE122D2-20250910DL

Tgt Ion: 95 Resp: 161462

Ion	Ratio	Lower	Upper
95	100		
174	71.8	0.0	141.6
176	67.9	0.0	138.4

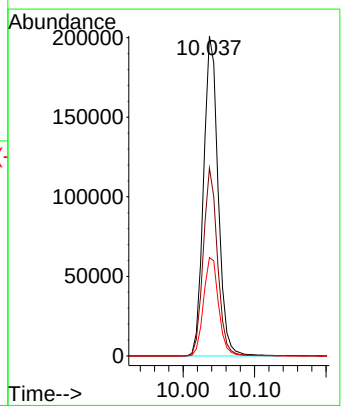


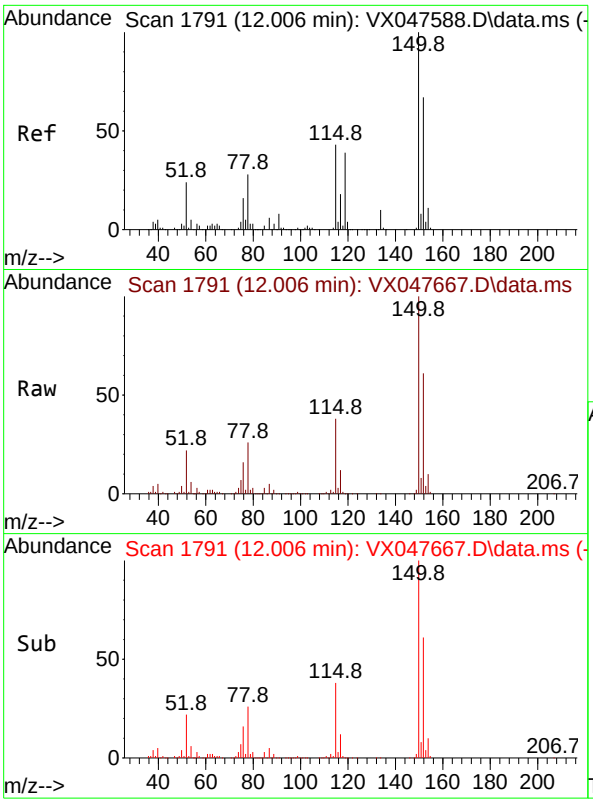


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX047667.D
Acq: 19 Sep 2025 12:08

Tgt Ion:117 Resp: 284536

Ion	Ratio	Lower	Upper
117	100		
82	58.8	47.8	71.6
119	30.7	25.2	37.8



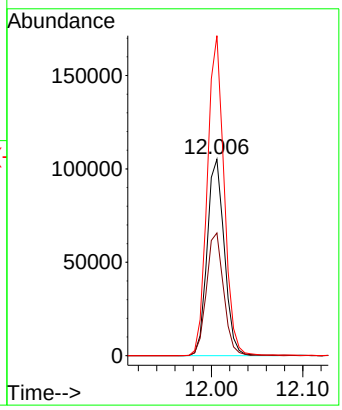


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047667.D
Acq: 19 Sep 2025 12:08

Instrument :
MSVOA_X
ClientSampleId :
RE122D2-20250910DL

Tgt Ion:152 Resp: 137256

Ion	Ratio	Lower	Upper
152	100		
115	62.6	44.9	134.5
150	159.3	0.0	352.0



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:	09/10/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/12/25
Client Sample ID:	RE104D1-20250910	SDG No.:	Q3095
Lab Sample ID:	Q3095-30	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047672.D	1	09/19/25 13:52	VX091925

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	0.95	J	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	44.9		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:	09/10/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/12/25
Client Sample ID:	RE104D1-20250910	SDG No.:	Q3095
Lab Sample ID:	Q3095-30	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047672.D	1	09/19/25 13:52	VX091925

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	2.70		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	57.5		81 - 118		115%	SPK: 50
1868-53-7	Dibromofluoromethane	55.6		80 - 119		111%	SPK: 50
2037-26-5	Toluene-d8	55.3		89 - 112		111%	SPK: 50
460-00-4	4-Bromofluorobenzene	55.6		85 - 114		111%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	173000	5.544				
540-36-3	1,4-Difluorobenzene	322000	6.745				
3114-55-4	Chlorobenzene-d5	292000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	140000	12.006				

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:	09/10/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/12/25
Client Sample ID:	RE104D1-20250910	SDG No.:	Q3095
Lab Sample ID:	Q3095-30	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047672.D	1	09/19/25 13:52	VX091925

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\VX091925\
Data File : VX047672.D
Acq On : 19 Sep 2025 13:52
Operator : JC/MD
Sample : Q3095-30
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RE104D1-20250910

Quant Time: Sep 20 00:31:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

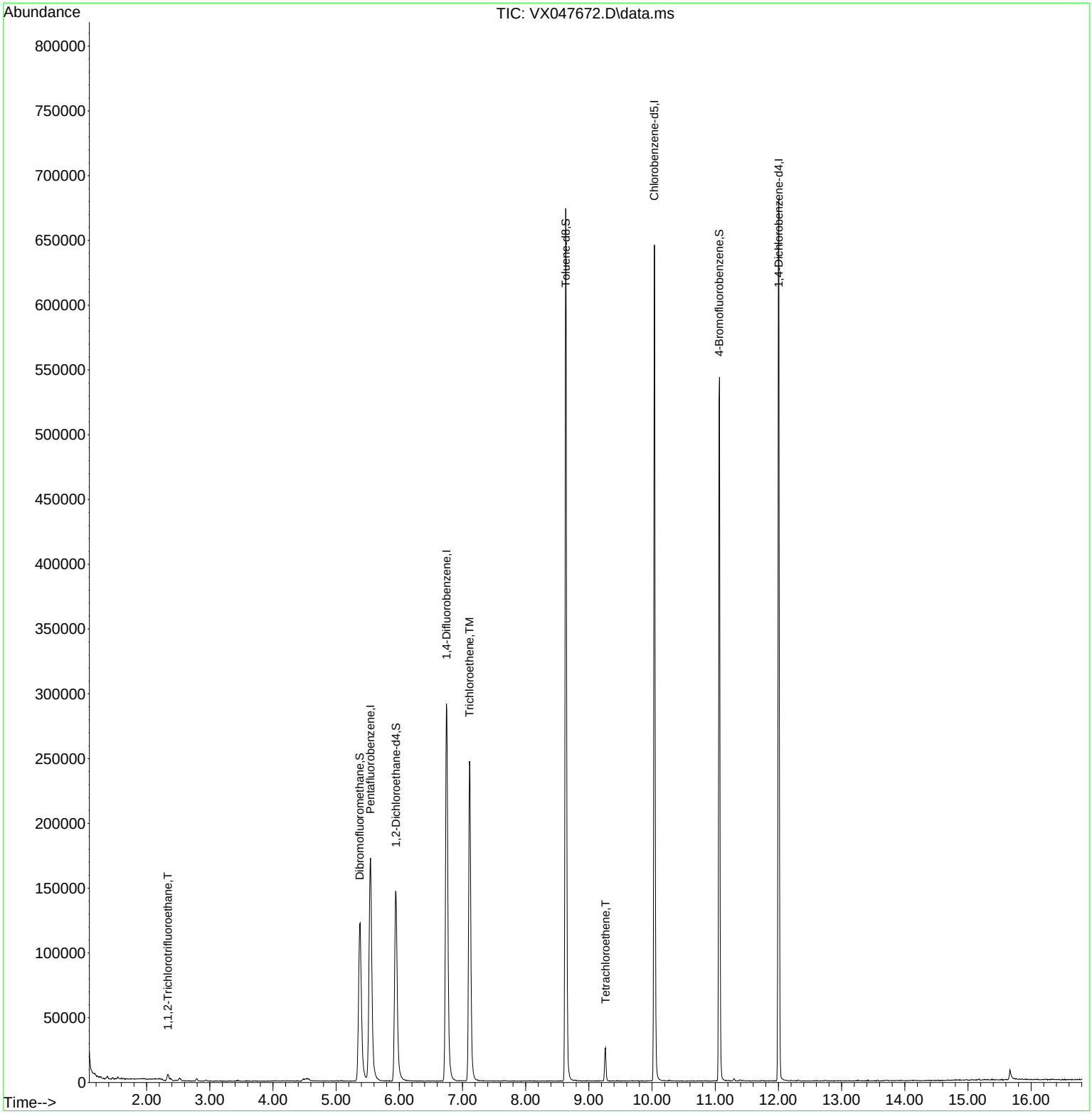
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	172904	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	321637	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	291592	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	140121	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	158328	57.528	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 115.060%			
35) Dibromofluoromethane	5.373	113	119999	55.630	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 111.260%			
50) Toluene-d8	8.635	98	412746	55.299	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 110.600%			
62) 4-Bromofluorobenzene	11.061	95	157423	55.574	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 111.140%			
Target Compounds						Qvalue
9) 1,1,2-Trichlorotrifluo...	2.337	101	1904	0.952	ug/l #	89
44) Trichloroethene	7.110	130	104006	44.937	ug/l	94
64) Tetrachloroethene	9.262	164	5115	2.691	ug/l	94

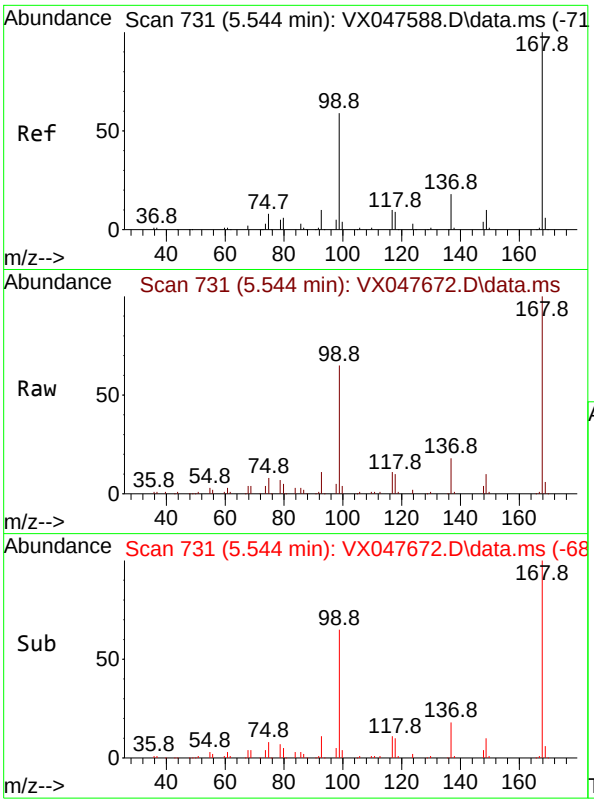
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091925\
Data File : VX047672.D
Acq On : 19 Sep 2025 13:52
Operator : JC/MD
Sample : Q3095-30
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RE104D1-20250910

Quant Time: Sep 20 00:31:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



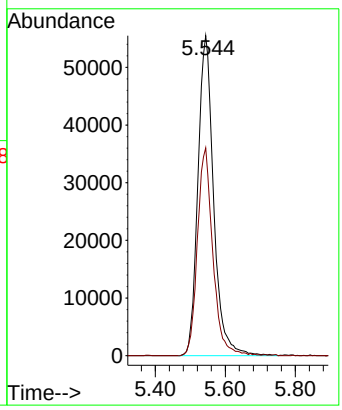


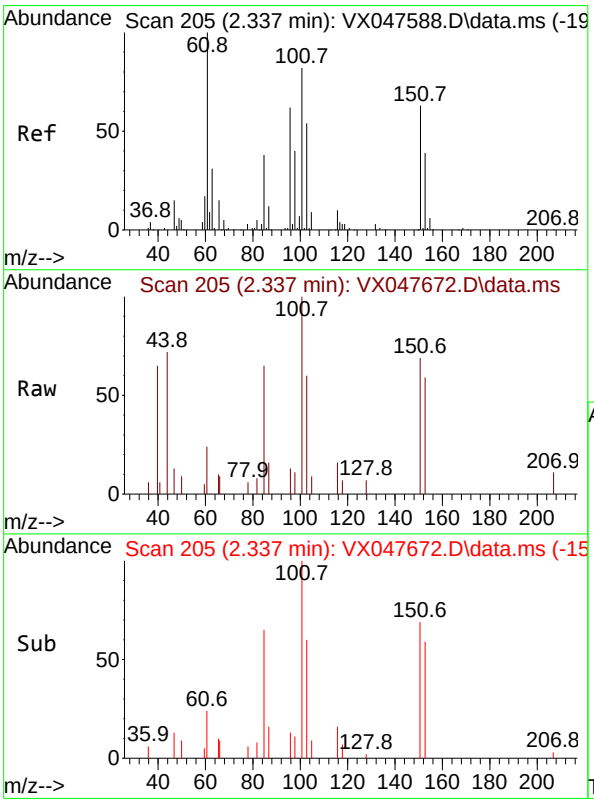
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047672.D
Acq: 19 Sep 2025 13:52

Instrument :
MSVOA_X
ClientSampleId :
RE104D1-20250910

Tgt Ion:168 Resp: 172904

Ion	Ratio	Lower	Upper
168	100		
99	65.0	48.8	73.2

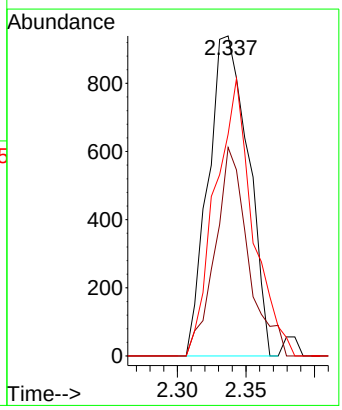


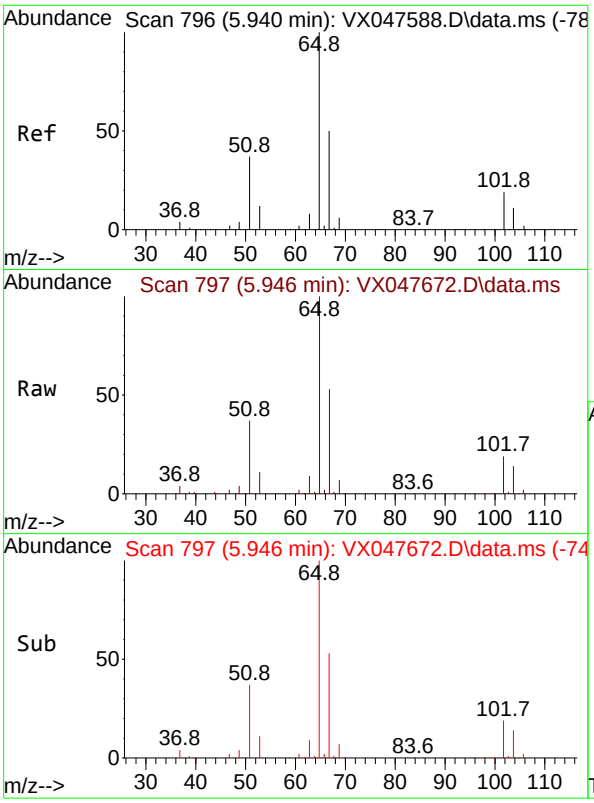


#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.952 ug/l
RT: 2.337 min Scan# 205
Delta R.T. -0.000 min
Lab File: VX047672.D
Acq: 19 Sep 2025 13:52

Tgt Ion:101 Resp: 1904

Ion	Ratio	Lower	Upper
101	100		
85	54.1	35.5	53.3#
151	81.5	59.4	89.0



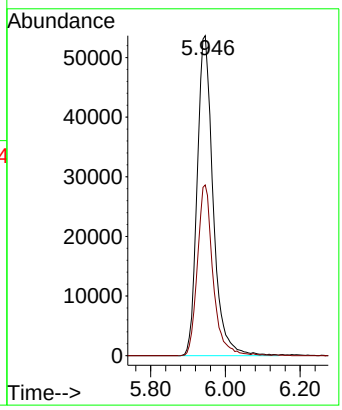


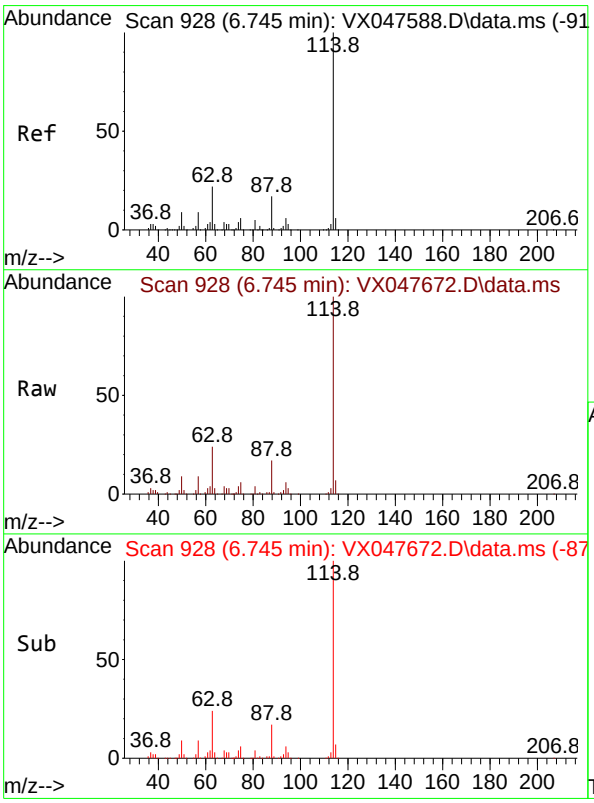
#33
1,2-Dichloroethane-d4
Concen: 57.528 ug/l
RT: 5.946 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047672.D
Acq: 19 Sep 2025 13:52

Instrument :
MSVOA_X
ClientSampleId :
RE104D1-20250910

Tgt Ion: 65 Resp: 158328

Ion	Ratio	Lower	Upper
65	100		
67	52.1	0.0	103.0

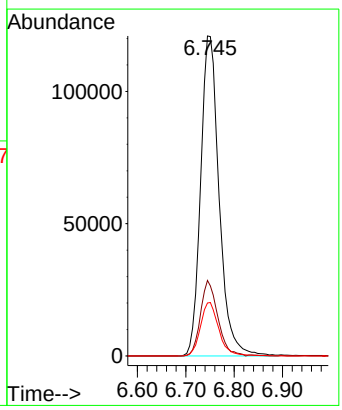


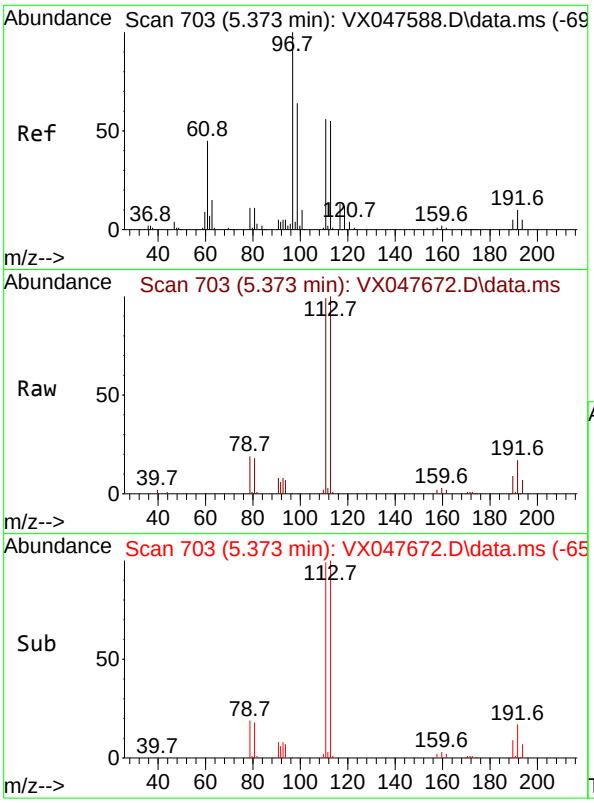


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 928
Delta R.T. -0.000 min
Lab File: VX047672.D
Acq: 19 Sep 2025 13:52

Tgt Ion:114 Resp: 321637

Ion	Ratio	Lower	Upper
114	100		
63	23.6	0.0	44.0
88	16.5	0.0	34.2



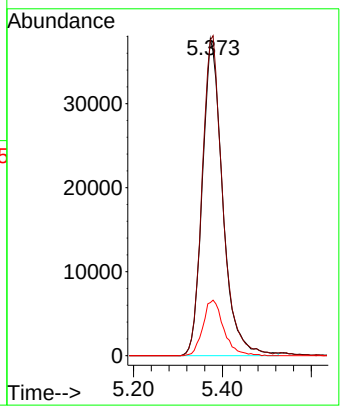


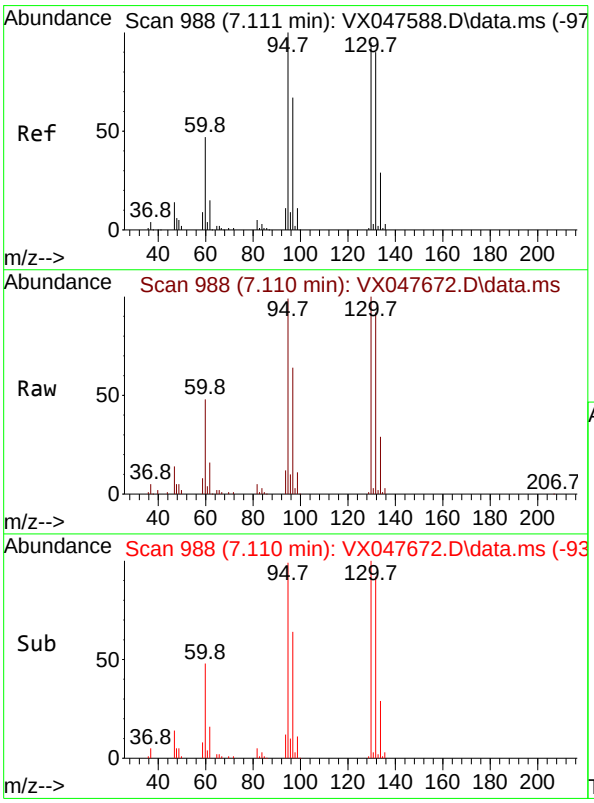
#35
Dibromofluoromethane
Concen: 55.630 ug/l
RT: 5.373 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047672.D
Acq: 19 Sep 2025 13:52

Instrument :
MSVOA_X
ClientSampleId :
RE104D1-20250910

Tgt Ion:113 Resp: 119999

Ion	Ratio	Lower	Upper
113	100		
111	101.7	80.9	121.3
192	17.9	14.2	21.4

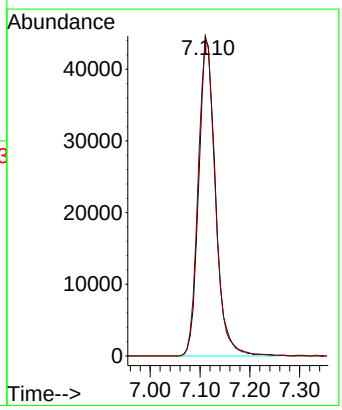


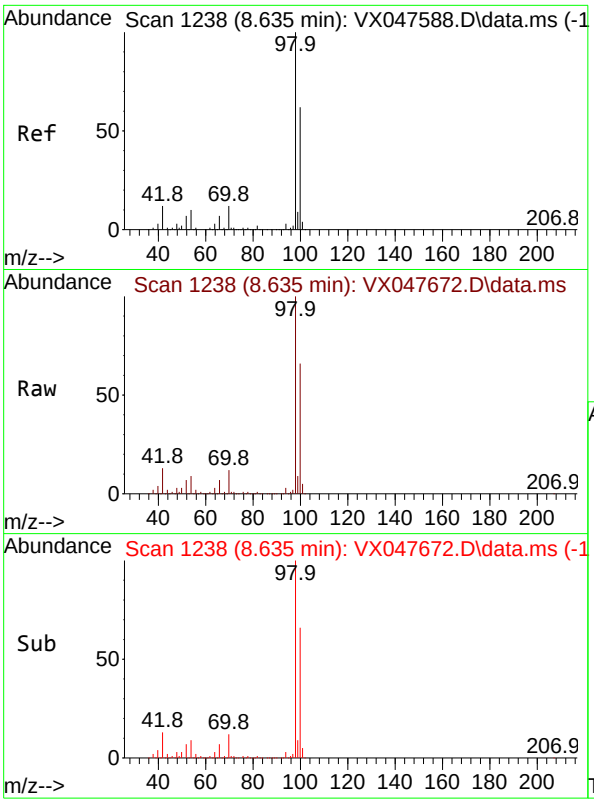


#44
Trichloroethene
Concen: 44.937 ug/l
RT: 7.110 min Scan# 988
Delta R.T. -0.000 min
Lab File: VX047672.D
Acq: 19 Sep 2025 13:52

Tgt Ion:130 Resp: 104006

Ion	Ratio	Lower	Upper
130	100		
95	98.9	0.0	210.8



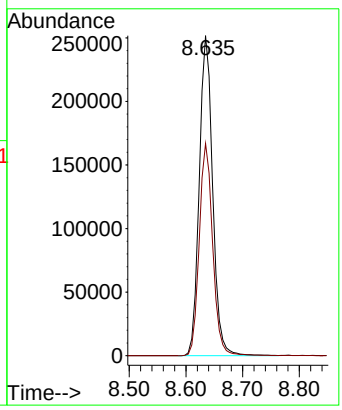


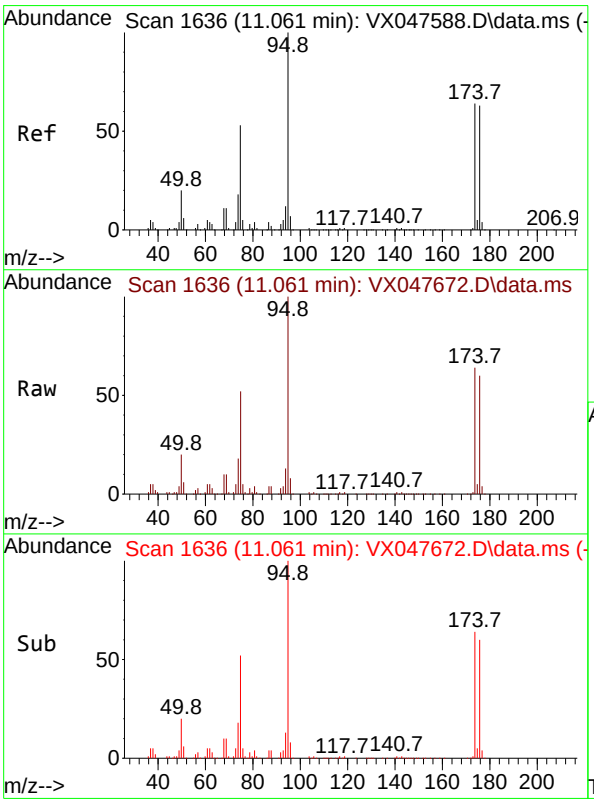
#50
Toluene-d8
Concen: 55.299 ug/l
RT: 8.635 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047672.D
Acq: 19 Sep 2025 13:52

Instrument :
MSVOA_X
ClientSampleId :
RE104D1-20250910

Tgt Ion: 98 Resp: 412746

Ion	Ratio	Lower	Upper
98	100		
100	66.4	53.0	79.4

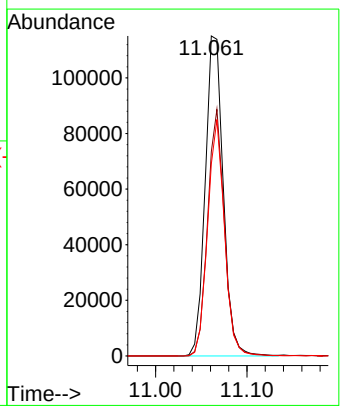


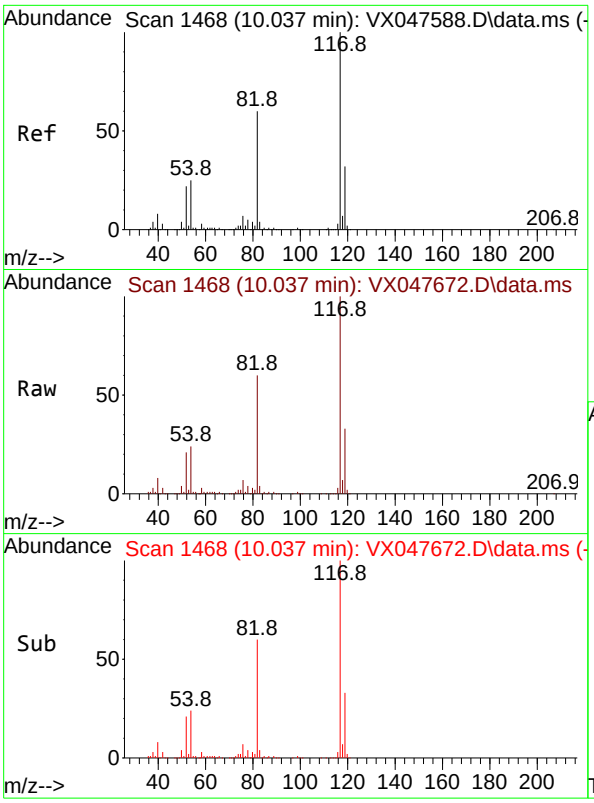


#62
4-Bromofluorobenzene
Concen: 55.574 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX047672.D
Acq: 19 Sep 2025 13:52

Tgt Ion: 95 Resp: 157423

Ion	Ratio	Lower	Upper
95	100		
174	72.0	0.0	141.6
176	69.0	0.0	138.4



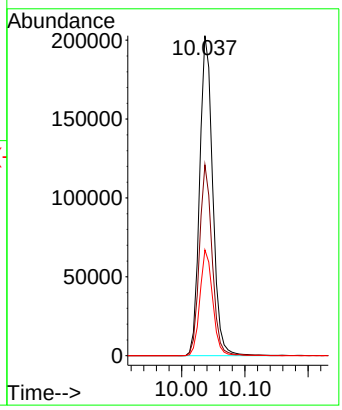


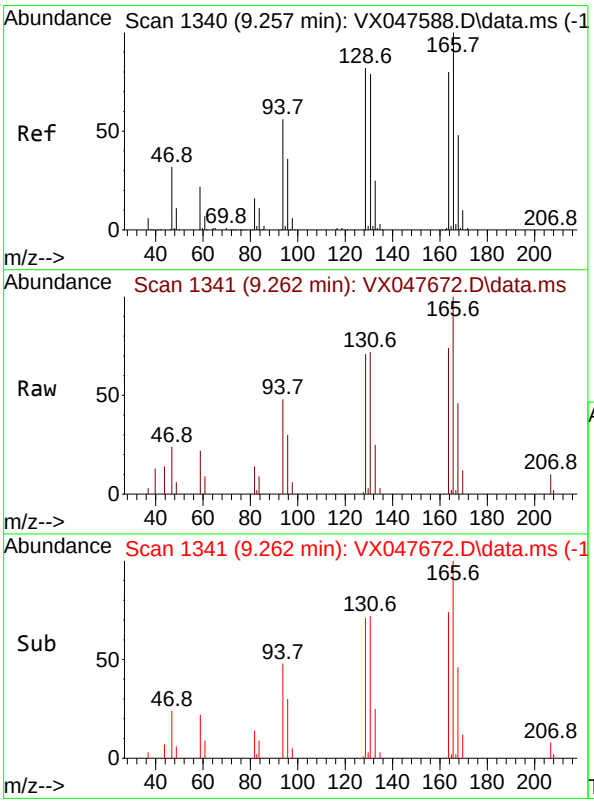
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047672.D
Acq: 19 Sep 2025 13:52

Instrument :
MSVOA_X
ClientSampleId :
RE104D1-20250910

Tgt Ion:117 Resp: 291592

Ion	Ratio	Lower	Upper
117	100		
82	59.6	47.8	71.6
119	33.0	25.2	37.8

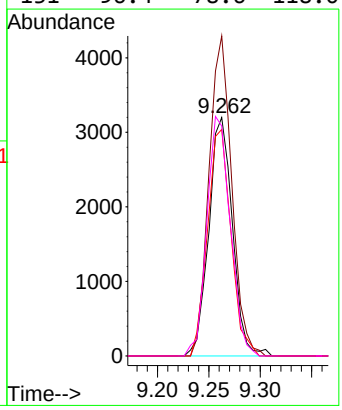


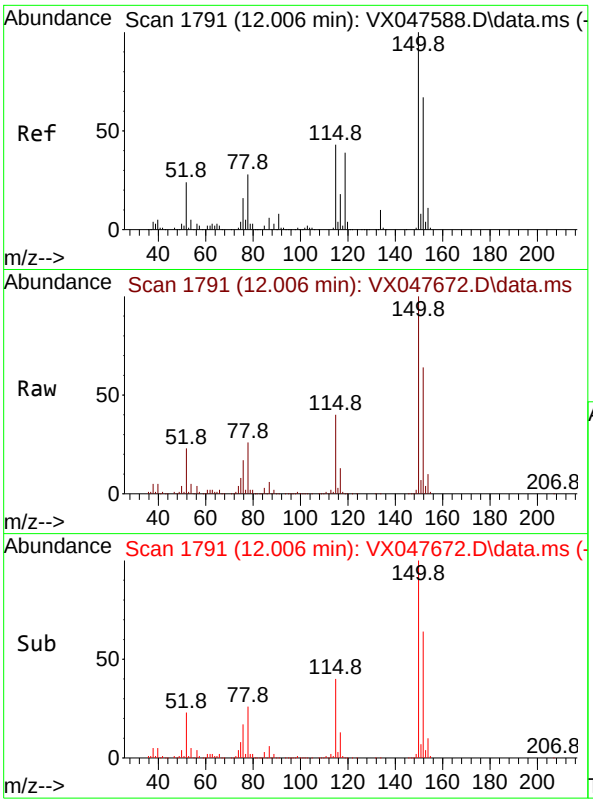


#64
Tetrachloroethene
Concen: 2.691 ug/l
RT: 9.262 min Scan# 1341
Delta R.T. 0.006 min
Lab File: VX047672.D
Acq: 19 Sep 2025 13:52

Tgt Ion:164 Resp: 5115

Ion	Ratio	Lower	Upper
164	100		
166	134.2	100.2	150.2
129	95.1	81.8	122.6
131	96.4	78.6	118.0



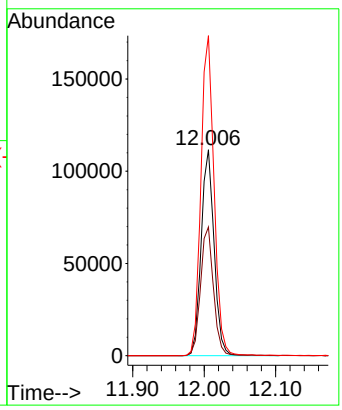


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047672.D
Acq: 19 Sep 2025 13:52

Instrument :
MSVOA_X
ClientSampleId :
RE104D1-20250910

Tgt Ion:152 Resp: 140121

Ion	Ratio	Lower	Upper
152	100		
115	62.5	44.9	134.5
150	158.0	0.0	352.0



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:	09/11/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/12/25
Client Sample ID:	TT180D-20250911	SDG No.:	Q3095
Lab Sample ID:	Q3095-31	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047673.D	1	09/19/25 14:13	VX091925

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	4.50	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	0.50	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	2.20		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:	09/11/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/12/25
Client Sample ID:	TT180D-20250911	SDG No.:	Q3095
Lab Sample ID:	Q3095-31	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047673.D	1	09/19/25 14:13	VX091925

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	56.7		80 - 119		113%	SPK: 50
2037-26-5	Toluene-d8	56.1		89 - 112		112%	SPK: 50
460-00-4	4-Bromofluorobenzene	56.6		85 - 114		113%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	171000	5.544				
540-36-3	1,4-Difluorobenzene	314000	6.751				
3114-55-4	Chlorobenzene-d5	285000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	140000	12.006				

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:	09/11/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/12/25
Client Sample ID:	TT180D-20250911	SDG No.:	Q3095
Lab Sample ID:	Q3095-31	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047673.D	1	09/19/25 14:13	VX091925

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\VX091925\
Data File : VX047673.D
Acq On : 19 Sep 2025 14:13
Operator : JC/MD
Sample : Q3095-31
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TT180D-20250911

Quant Time: Sep 20 00:32:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

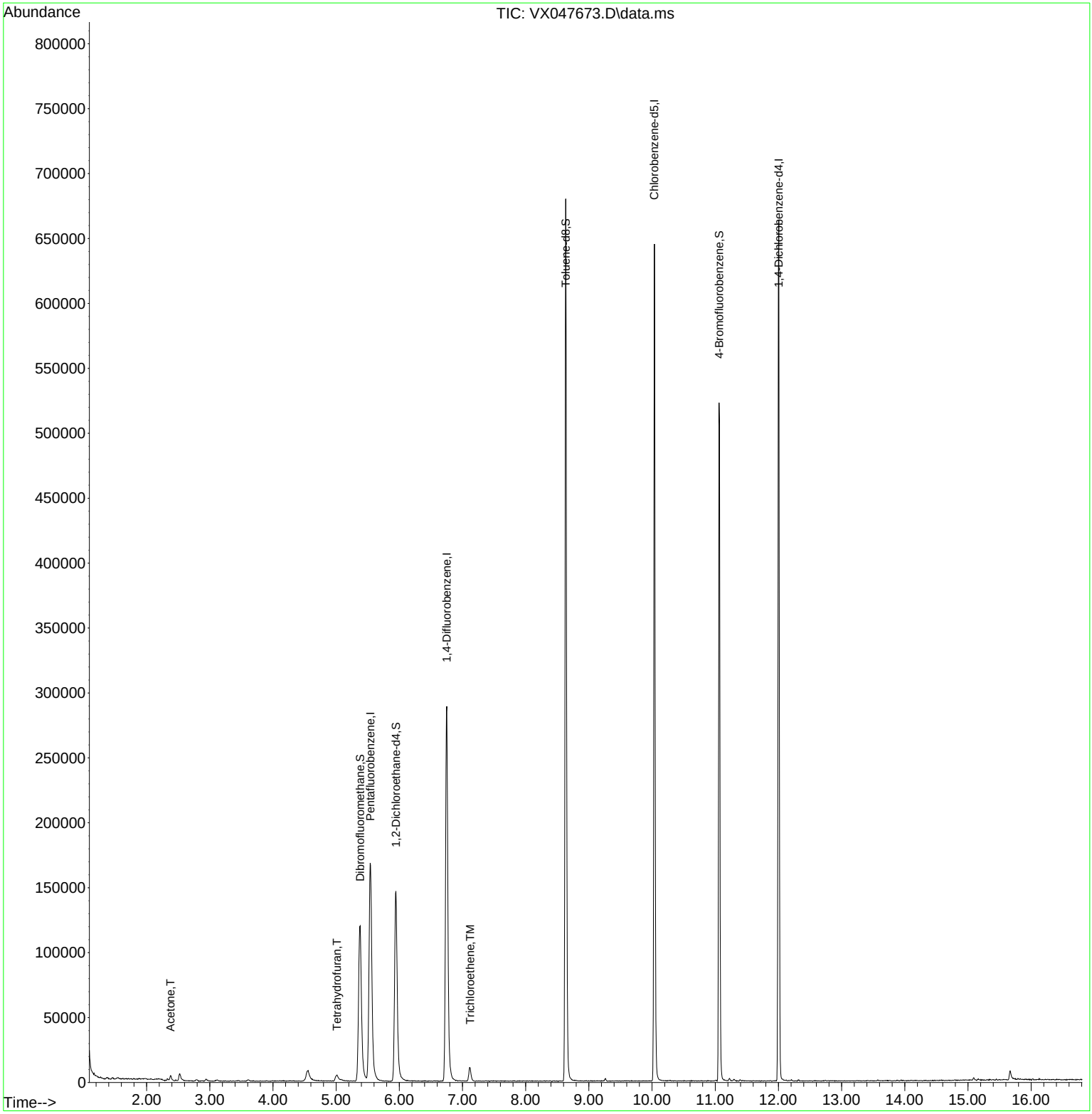
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	171154	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	314018	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	285129	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	139806	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	158137	58.046	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 116.100%			
35) Dibromofluoromethane	5.379	113	119342	56.668	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 113.340%			
50) Toluene-d8	8.635	98	408915	56.115	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 112.220%#			
62) 4-Bromofluorobenzene	11.061	95	156651	56.643	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 113.280%			
Target Compounds						Qvalue
16) Acetone	2.380	43	5327	4.497	ug/l	94
29) Tetrahydrofuran	5.013	42	5037	5.667	ug/l	97
44) Trichloroethene	7.123	130	4873	2.157	ug/l	70

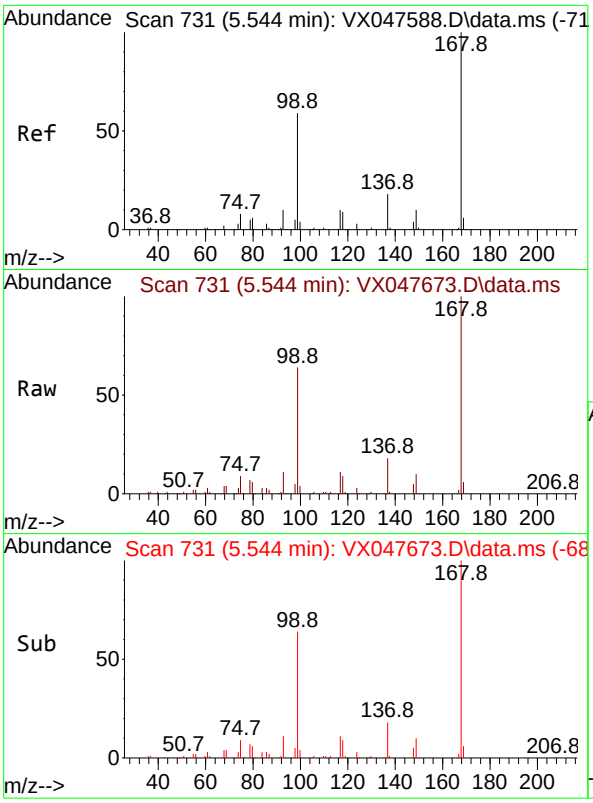
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091925\
Data File : VX047673.D
Acq On : 19 Sep 2025 14:13
Operator : JC/MD
Sample : Q3095-31
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TT180D-20250911

Quant Time: Sep 20 00:32:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



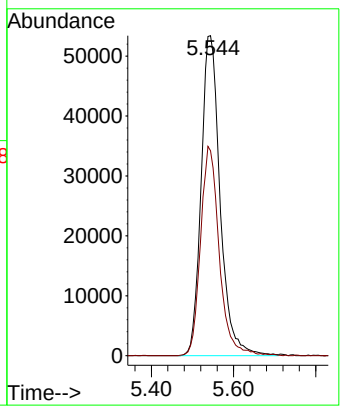


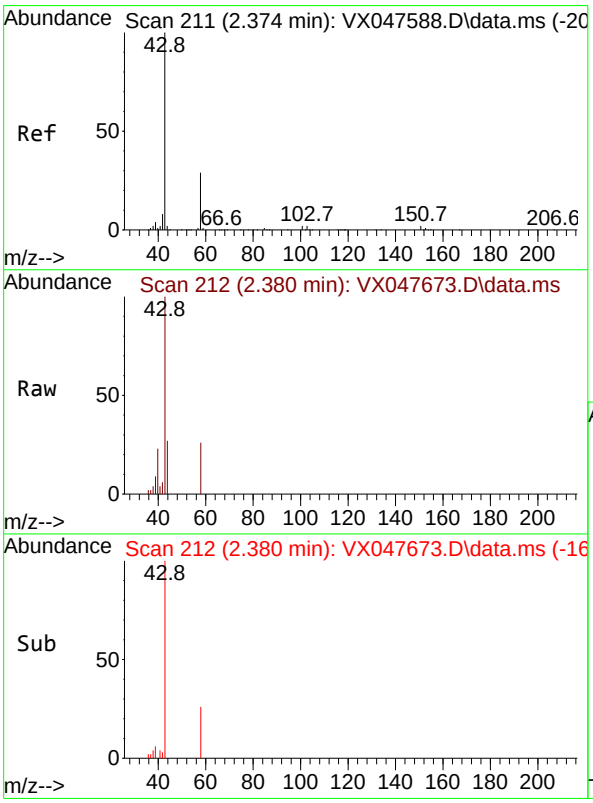
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047673.D
Acq: 19 Sep 2025 14:13

Instrument :
MSVOA_X
ClientSampleId :
TT180D-20250911

Tgt Ion:168 Resp: 171154

Ion	Ratio	Lower	Upper
168	100		
99	64.1	48.8	73.2

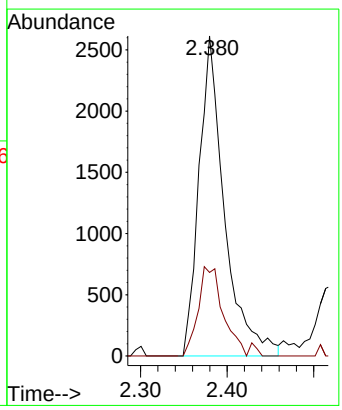


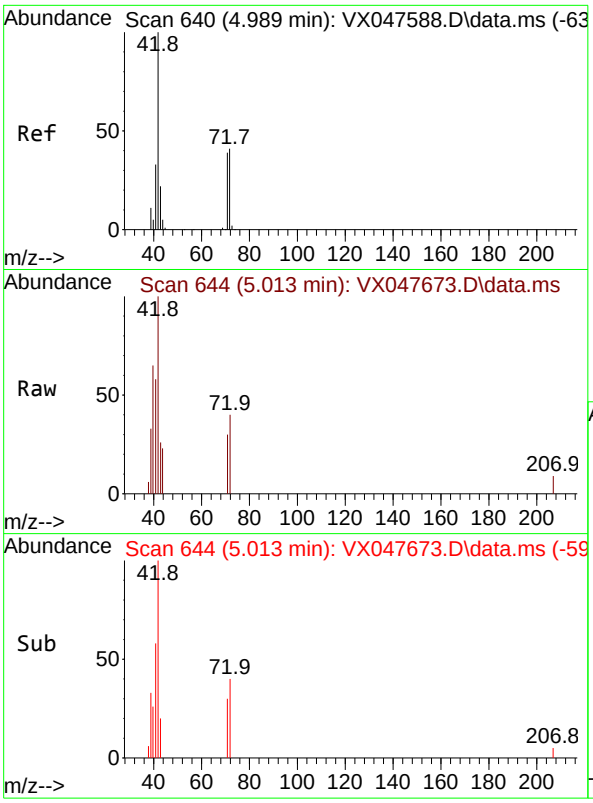


#16
Acetone
Concen: 4.497 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX047673.D
Acq: 19 Sep 2025 14:13

Tgt Ion: 43 Resp: 5327

Ion	Ratio	Lower	Upper
43	100		
58	26.1	23.4	35.0



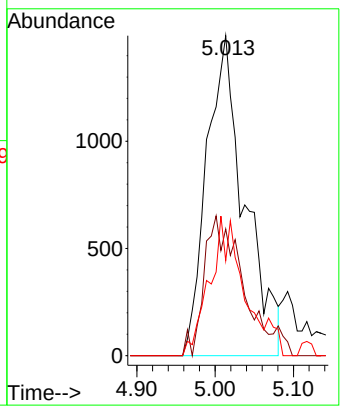


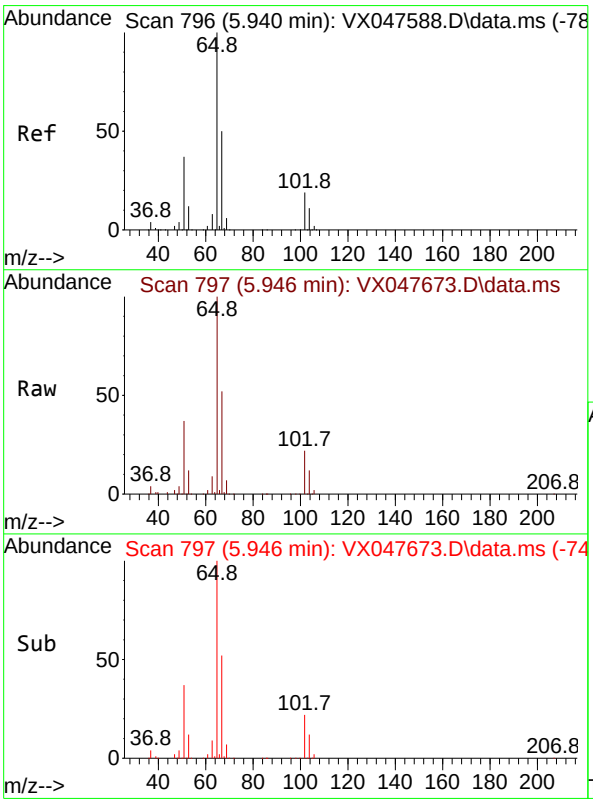
#29
Tetrahydrofuran
Concen: 5.667 ug/l
RT: 5.013 min Scan# 64
Delta R.T. 0.024 min
Lab File: VX047673.D
Acq: 19 Sep 2025 14:13

Instrument :
MSVOA_X
ClientSampleId :
TT180D-20250911

Tgt Ion: 42 Resp: 5037

Ion	Ratio	Lower	Upper
42	100		
72	42.4	34.2	51.2
71	36.9	31.9	47.9

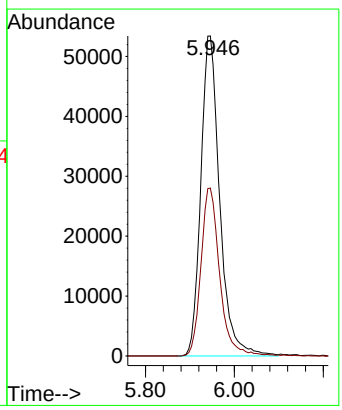


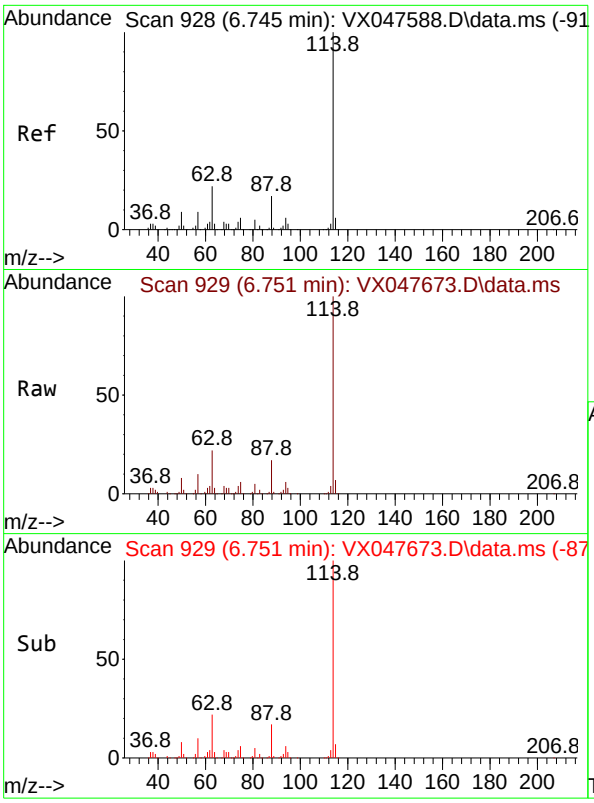


#33
1,2-Dichloroethane-d4
Concen: 58.046 ug/l
RT: 5.946 min Scan# 797
Delta R.T. 0.006 min
Lab File: VX047673.D
Acq: 19 Sep 2025 14:13

Tgt Ion: 65 Resp: 158137

Ion	Ratio	Lower	Upper
65	100		
67	51.9	0.0	103.0



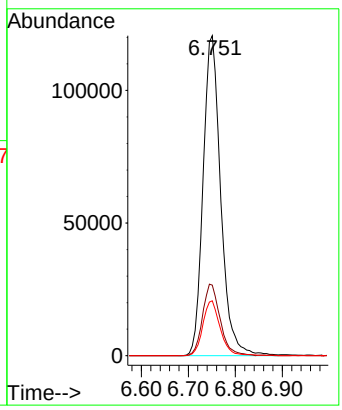


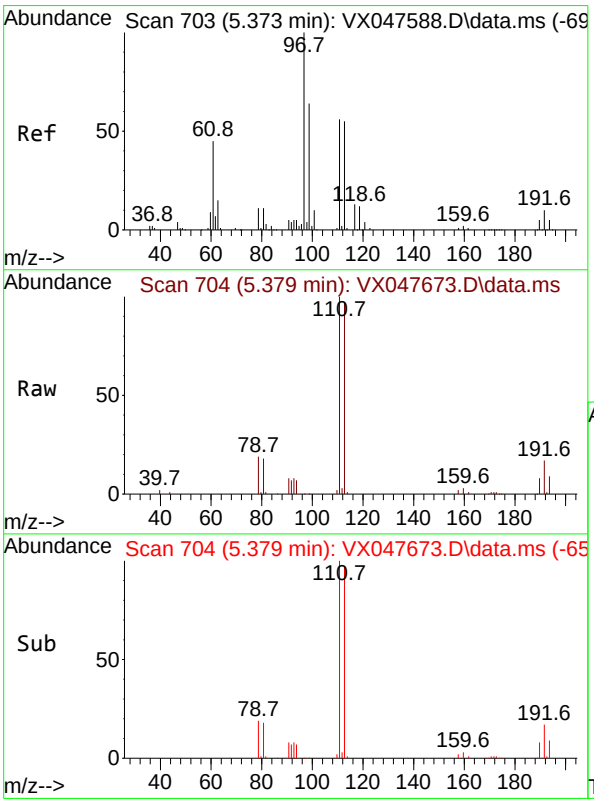
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 9
Delta R.T. 0.006 min
Lab File: VX047673.D
Acq: 19 Sep 2025 14:13

Instrument :
MSVOA_X
ClientSampleId :
TT180D-20250911

Tgt Ion:114 Resp: 314018

Ion	Ratio	Lower	Upper
114	100		
63	22.0	0.0	44.0
88	17.2	0.0	34.2

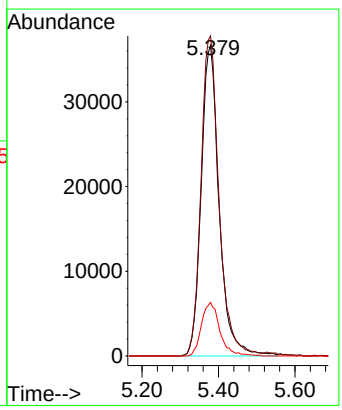


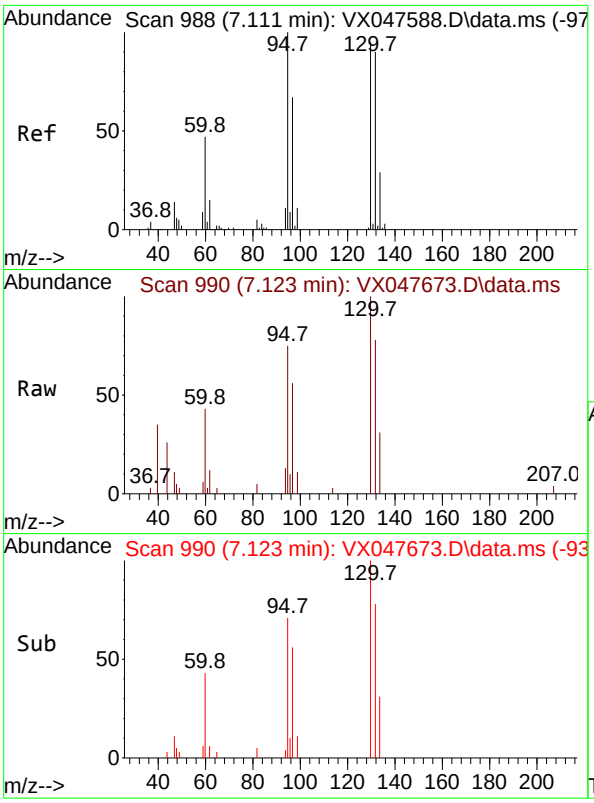


#35
Dibromofluoromethane
Concen: 56.668 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX047673.D
Acq: 19 Sep 2025 14:13

Tgt Ion:113 Resp: 119342

Ion	Ratio	Lower	Upper
113	100		
111	103.7	80.9	121.3
192	17.7	14.2	21.4



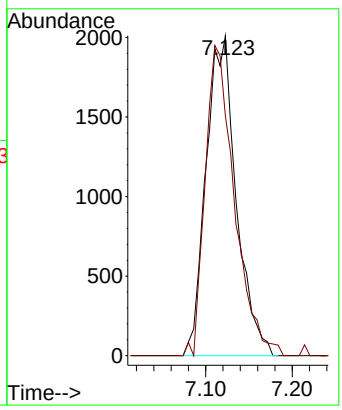


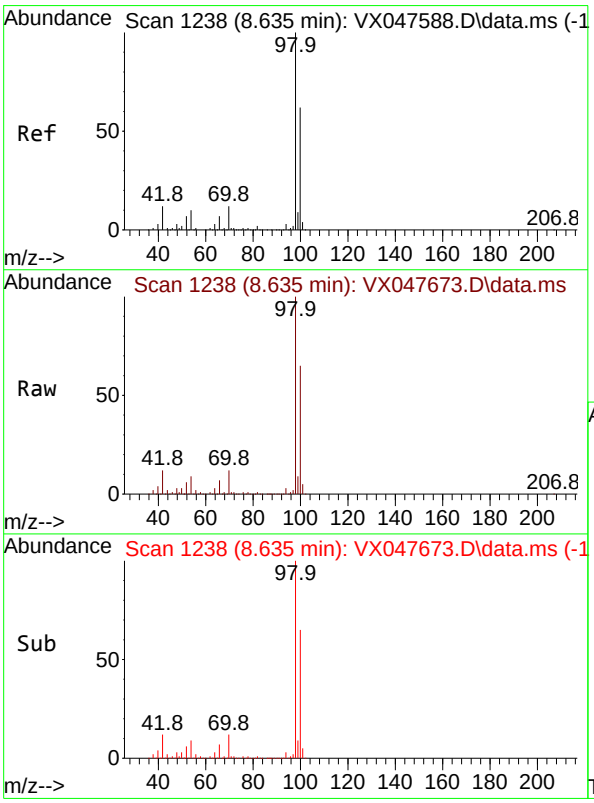
#44
Trichloroethene
Concen: 2.157 ug/l
RT: 7.123 min Scan# 9
Delta R.T. 0.012 min
Lab File: VX047673.D
Acq: 19 Sep 2025 14:13

Instrument :
MSVOA_X
ClientSampleId :
TT180D-20250911

Tgt Ion:130 Resp: 4873

Ion	Ratio	Lower	Upper
130	100		
95	74.8	0.0	210.8

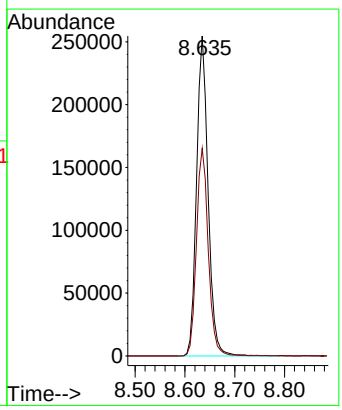


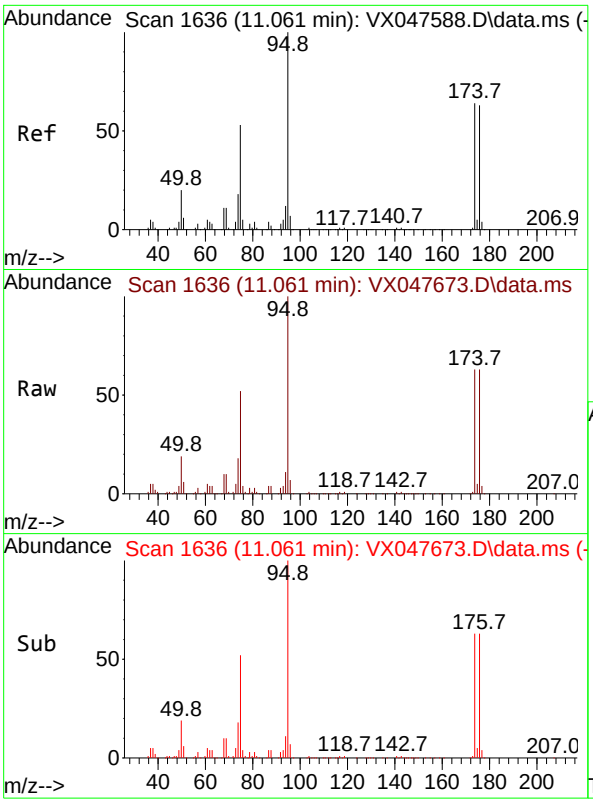


#50
Toluene-d8
Concen: 56.115 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX047673.D
Acq: 19 Sep 2025 14:13

Tgt Ion: 98 Resp: 408915

Ion	Ratio	Lower	Upper
98	100		
100	66.6	53.0	79.4



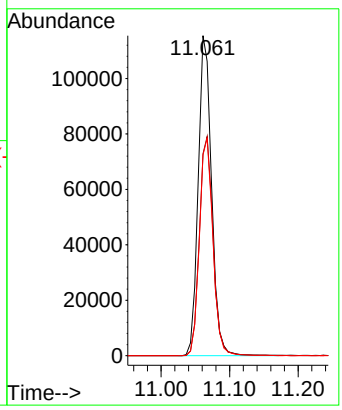


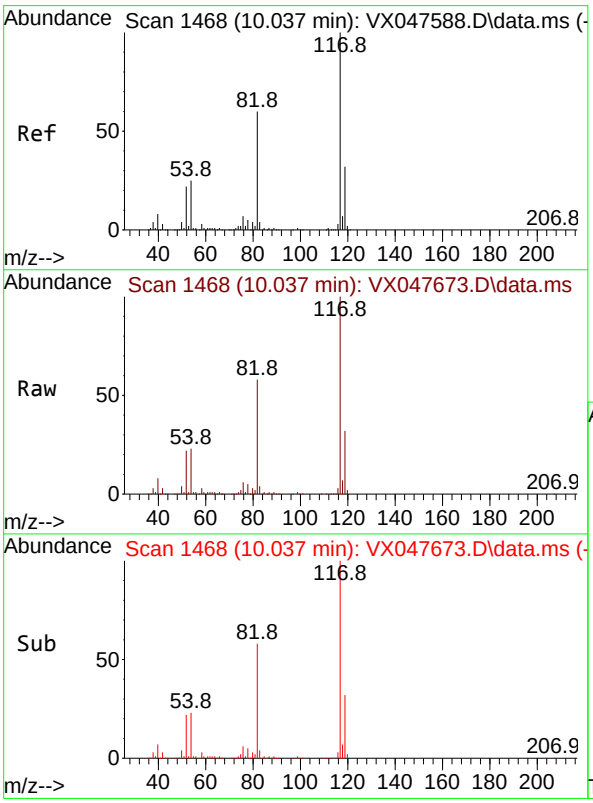
#62
4-Bromofluorobenzene
Concen: 56.643 ug/l
RT: 11.061 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047673.D
Acq: 19 Sep 2025 14:13

Instrument :
MSVOA_X
ClientSampleId :
TT180D-20250911

Tgt Ion: 95 Resp: 156651

Ion	Ratio	Lower	Upper
95	100		
174	70.2	0.0	141.6
176	68.9	0.0	138.4

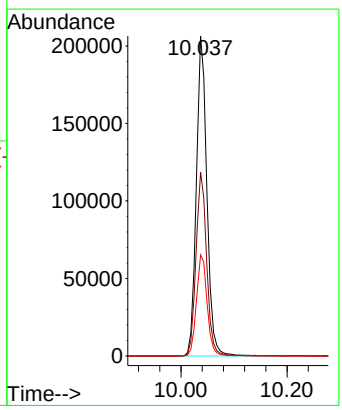


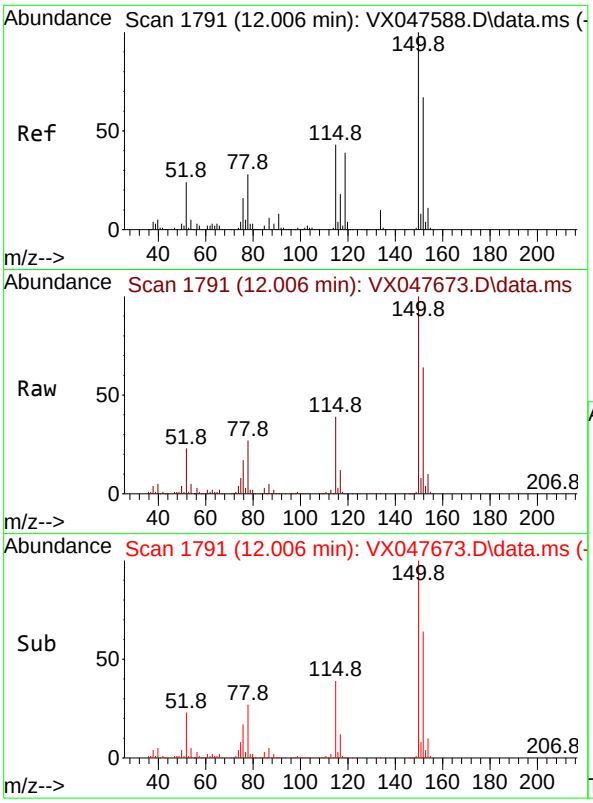


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX047673.D
Acq: 19 Sep 2025 14:13

Tgt Ion:117 Resp: 285129

Ion	Ratio	Lower	Upper
117	100		
82	57.5	47.8	71.6
119	31.6	25.2	37.8



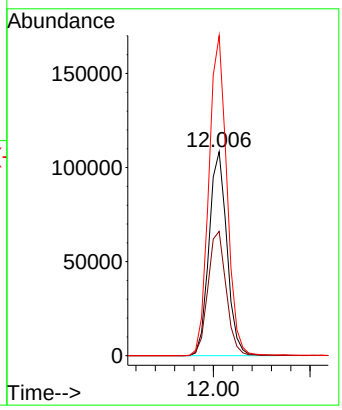


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047673.D
Acq: 19 Sep 2025 14:13

Instrument :
MSVOA_X
ClientSampleId :
TT180D-20250911

Tgt Ion:152 Resp: 139806

Ion	Ratio	Lower	Upper
152	100		
115	62.3	44.9	134.5
150	157.4	0.0	352.0



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:	09/11/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/12/25
Client Sample ID:	RE122D3-20250911	SDG No.:	Q3095
Lab Sample ID:	Q3095-32	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047674.D	1	09/19/25 14:34	VX091925

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	1.80		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:	09/11/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/12/25
Client Sample ID:	RE122D3-20250911	SDG No.:	Q3095
Lab Sample ID:	Q3095-32	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047674.D	1	09/19/25 14:34	VX091925

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	51.1		81 - 118		102%	SPK: 50
1868-53-7	Dibromofluoromethane	50.1		80 - 119		100%	SPK: 50
2037-26-5	Toluene-d8	49.8		89 - 112		100%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.4		85 - 114		101%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	189000	5.544				
540-36-3	1,4-Difluorobenzene	342000	6.751				
3114-55-4	Chlorobenzene-d5	316000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	150000	12.006				

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:	09/11/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/12/25
Client Sample ID:	RE122D3-20250911	SDG No.:	Q3095
Lab Sample ID:	Q3095-32	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047674.D	1	09/19/25 14:34	VX091925

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\VX091925\
Data File : VX047674.D
Acq On : 19 Sep 2025 14:34
Operator : JC/MD
Sample : Q3095-32
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RE122D3-20250911

Quant Time: Sep 20 00:32:29 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

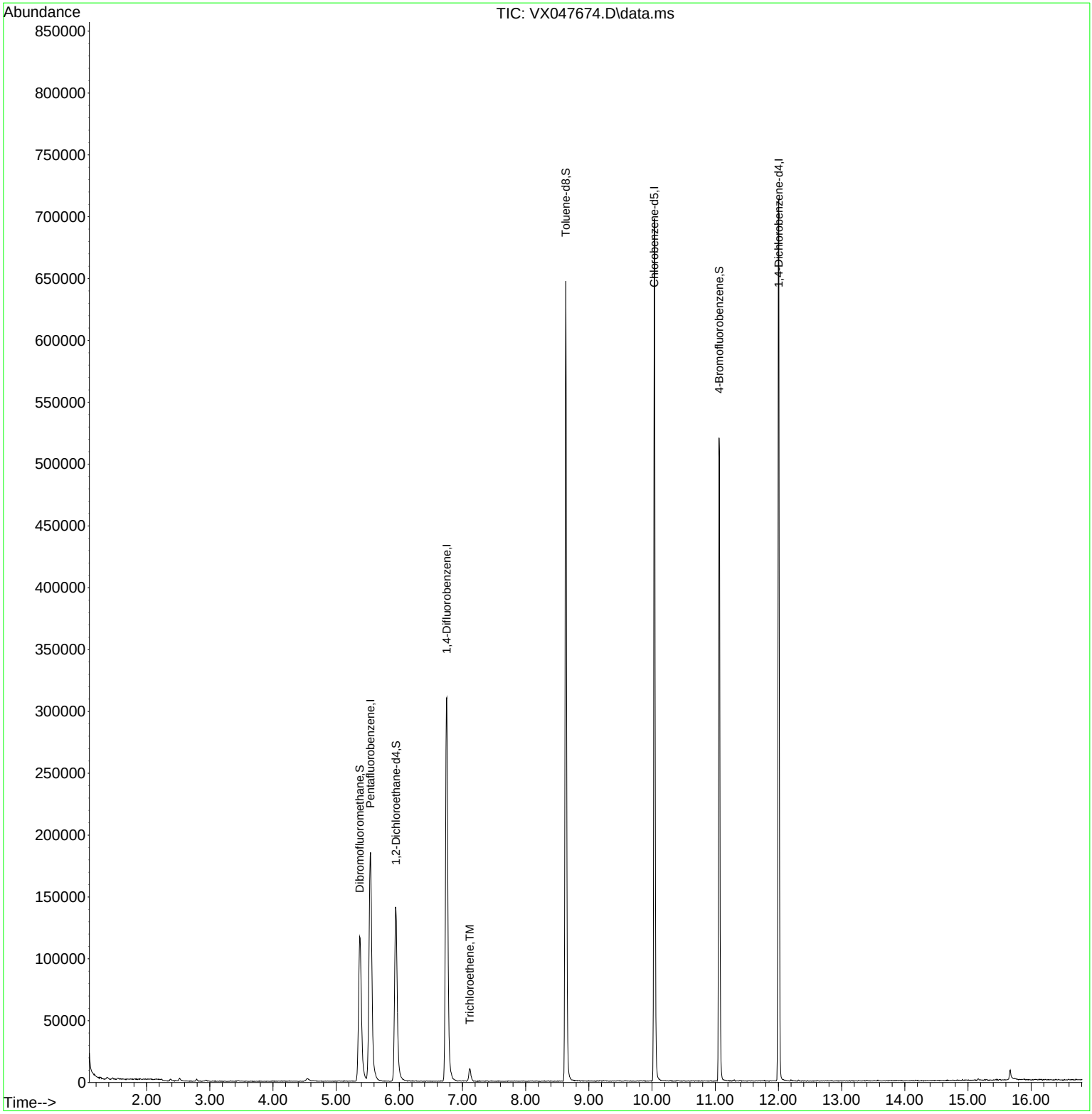
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	188618	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	342292	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	316267	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	150121	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	153541	51.141	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 102.280%			
35) Dibromofluoromethane	5.373	113	115022	50.105	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.220%			
50) Toluene-d8	8.634	98	395238	49.758	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 99.520%			
62) 4-Bromofluorobenzene	11.061	95	151815	50.360	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 100.720%			
Target Compounds						Qvalue
44) Trichloroethene	7.116	130	4544	1.845	ug/l	95

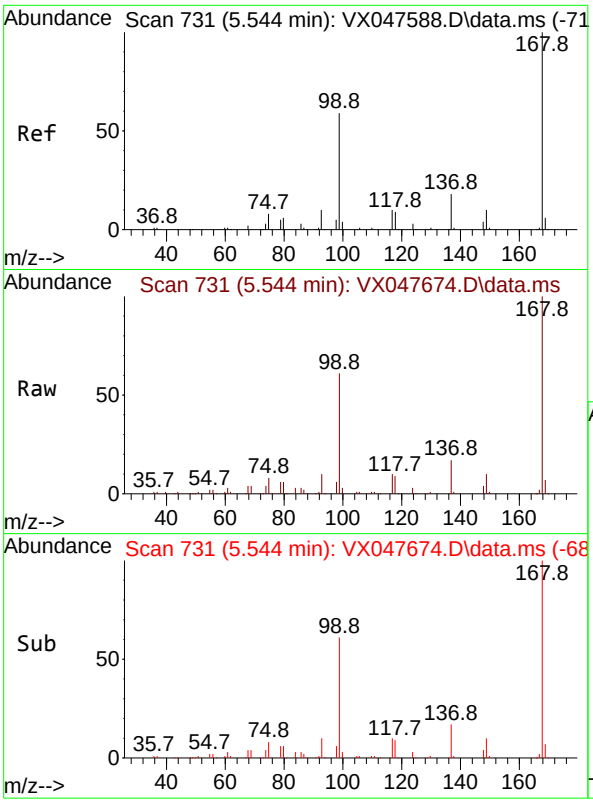
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091925\
Data File : VX047674.D
Acq On : 19 Sep 2025 14:34
Operator : JC/MD
Sample : Q3095-32
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RE122D3-20250911

Quant Time: Sep 20 00:32:29 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



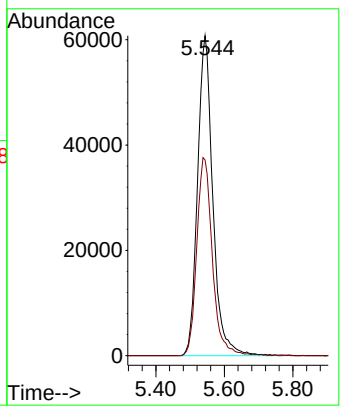


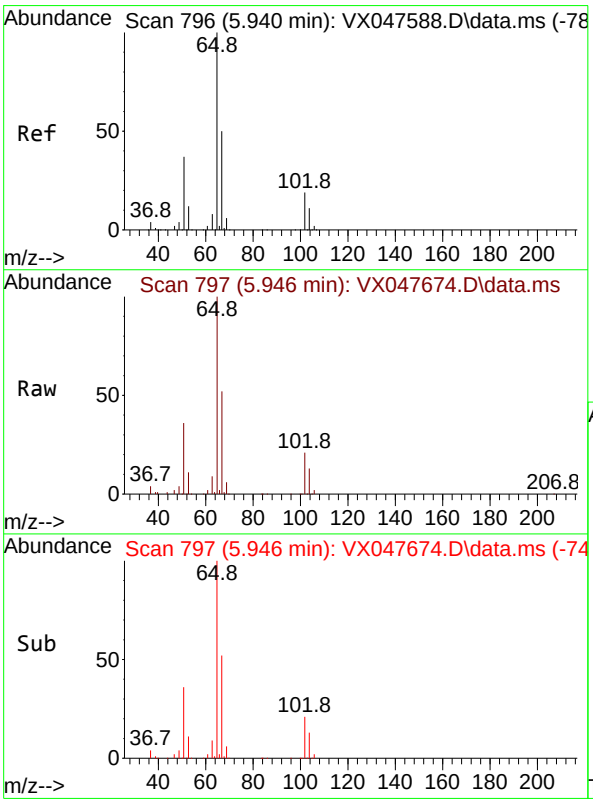
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047674.D
Acq: 19 Sep 2025 14:34

Instrument :
MSVOA_X
ClientSampleId :
RE122D3-20250911

Tgt Ion:168 Resp: 188618

Ion	Ratio	Lower	Upper
168	100		
99	61.2	48.8	73.2

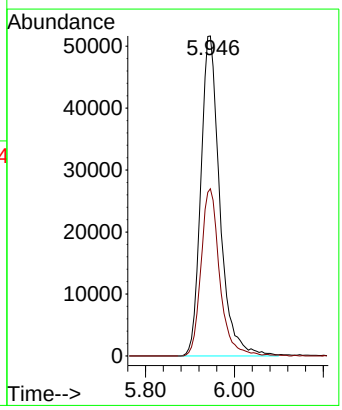


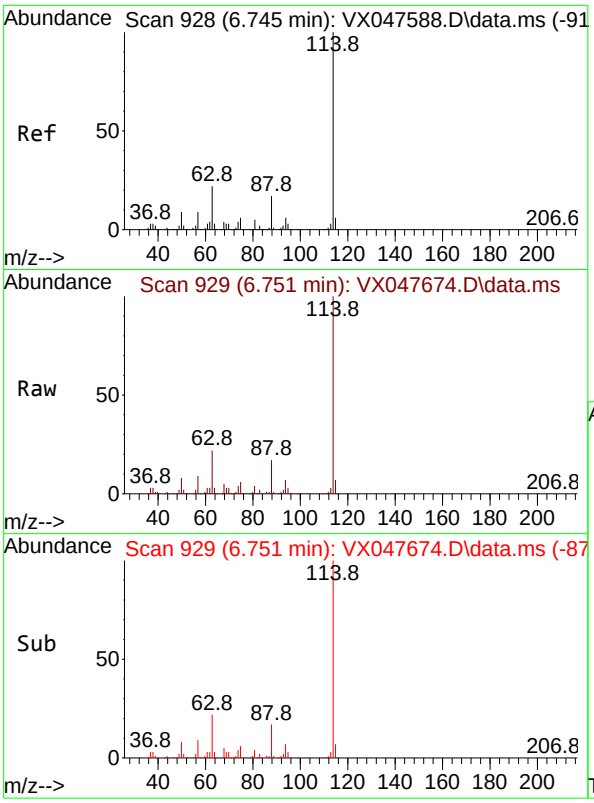


#33
1,2-Dichloroethane-d4
Concen: 51.141 ug/l
RT: 5.946 min Scan# 797
Delta R.T. 0.006 min
Lab File: VX047674.D
Acq: 19 Sep 2025 14:34

Tgt Ion: 65 Resp: 153541

Ion	Ratio	Lower	Upper
65	100		
67	51.2	0.0	103.0



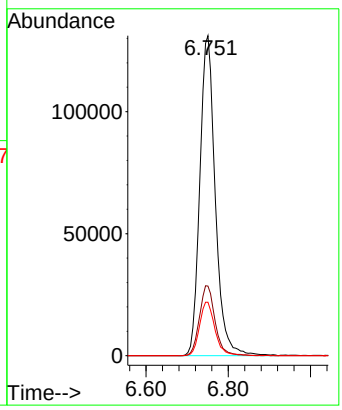


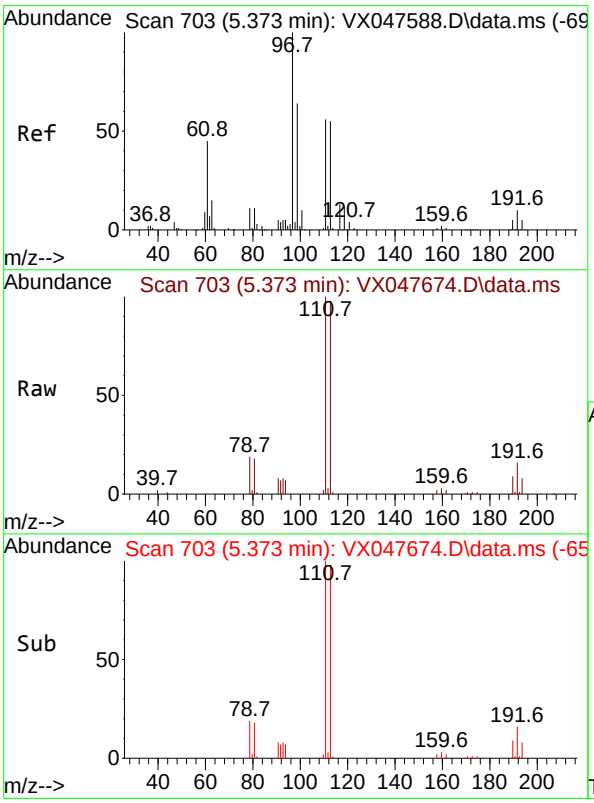
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 9
Delta R.T. 0.006 min
Lab File: VX047674.D
Acq: 19 Sep 2025 14:34

Instrument :
MSVOA_X
ClientSampleId :
RE122D3-20250911

Tgt Ion:114 Resp: 342292

Ion	Ratio	Lower	Upper
114	100		
63	21.8	0.0	44.0
88	16.7	0.0	34.2

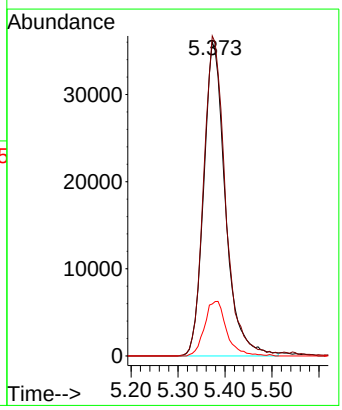


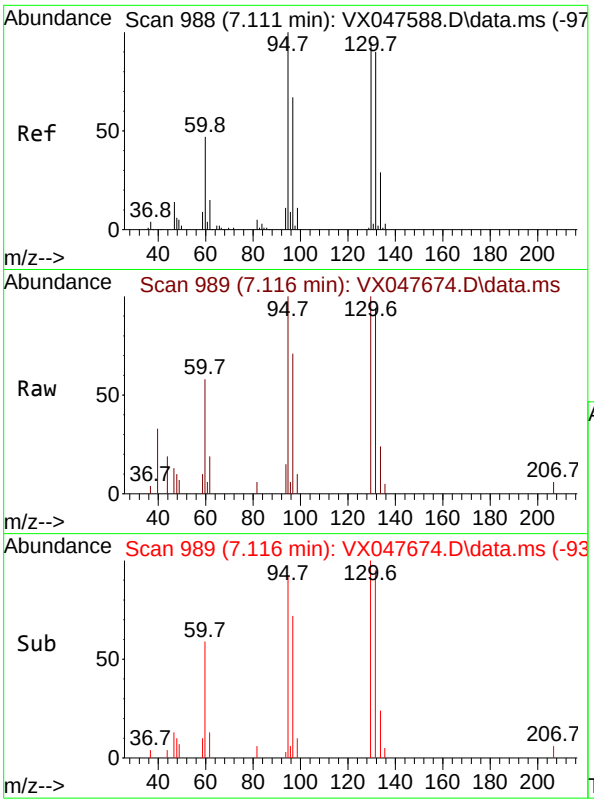


#35
Dibromofluoromethane
Concen: 50.105 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX047674.D
Acq: 19 Sep 2025 14:34

Tgt Ion:113 Resp: 115022

Ion	Ratio	Lower	Upper
113	100		
111	102.6	80.9	121.3
192	17.8	14.2	21.4



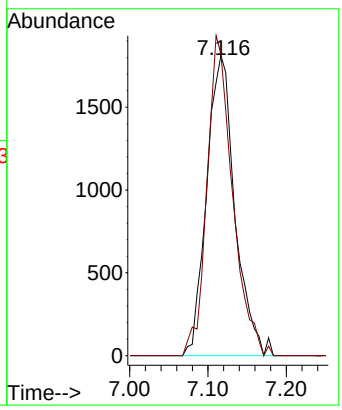


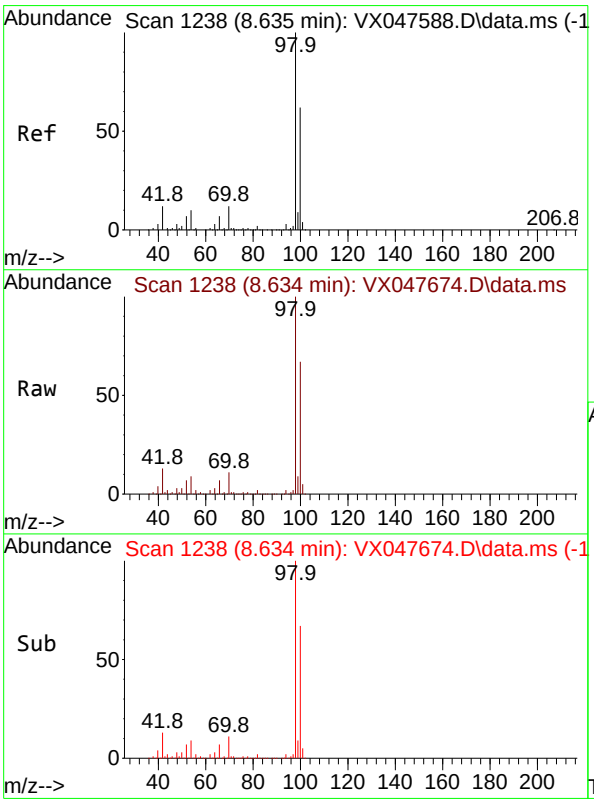
#44
Trichloroethene
Concen: 1.845 ug/l
RT: 7.116 min Scan# 9
Delta R.T. 0.006 min
Lab File: VX047674.D
Acq: 19 Sep 2025 14:34

Instrument :
MSVOA_X
ClientSampleId :
RE122D3-20250911

Tgt Ion:130 Resp: 4544

Ion	Ratio	Lower	Upper
130	100		
95	100.4	0.0	210.8

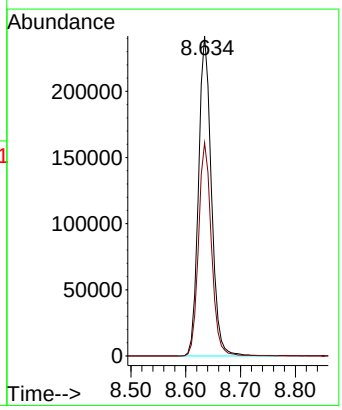


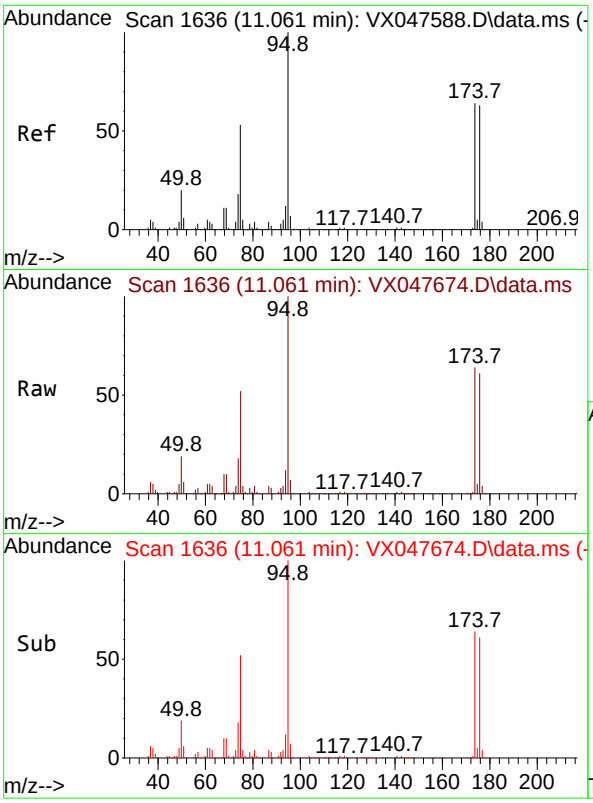


#50
Toluene-d8
Concen: 49.758 ug/l
RT: 8.634 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX047674.D
Acq: 19 Sep 2025 14:34

Tgt Ion: 98 Resp: 395238

Ion	Ratio	Lower	Upper
98	100		
100	66.7	53.0	79.4



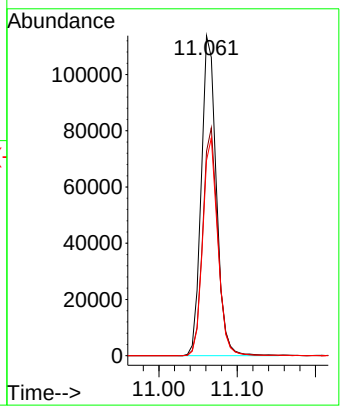


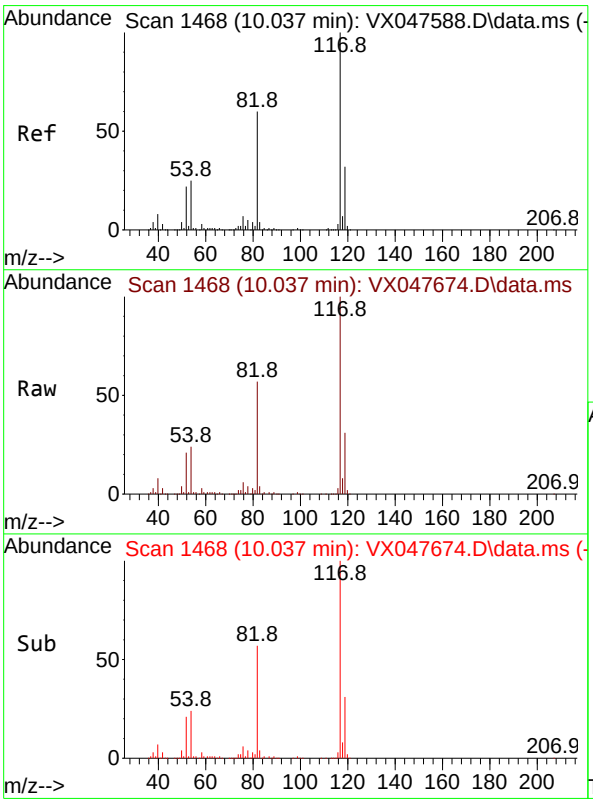
#62
4-Bromofluorobenzene
Concen: 50.360 ug/l
RT: 11.061 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047674.D
Acq: 19 Sep 2025 14:34

Instrument :
MSVOA_X
ClientSampleId :
RE122D3-20250911

Tgt Ion: 95 Resp: 151815

Ion	Ratio	Lower	Upper
95	100		
174	71.3	0.0	141.6
176	67.8	0.0	138.4

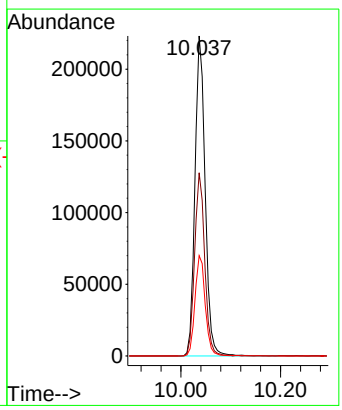


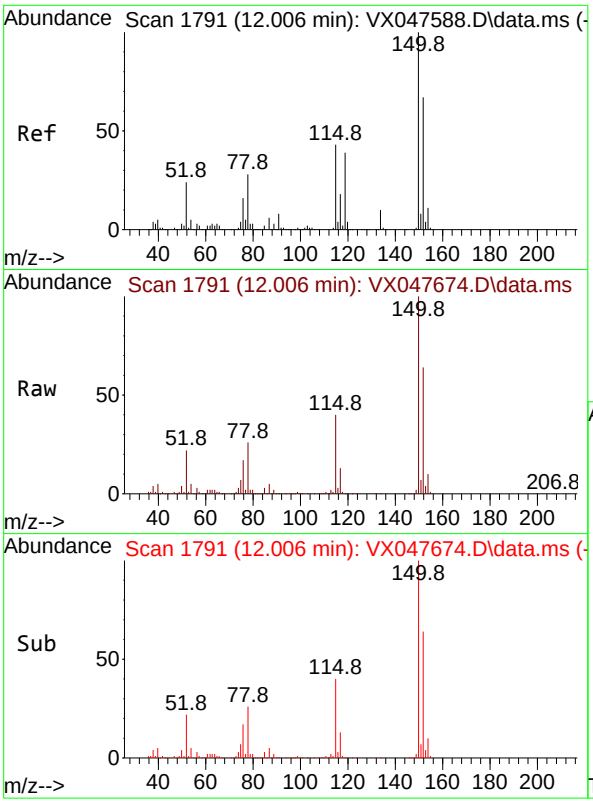


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX047674.D
Acq: 19 Sep 2025 14:34

Tgt Ion:117 Resp: 316267

Ion	Ratio	Lower	Upper
117	100		
82	57.3	47.8	71.6
119	31.3	25.2	37.8



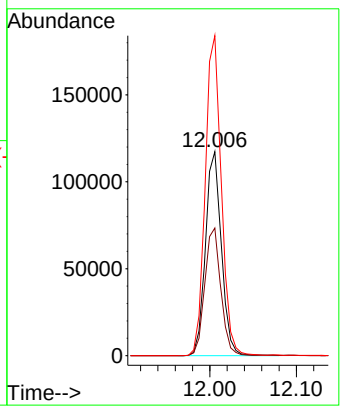


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047674.D
Acq: 19 Sep 2025 14:34

Instrument :
MSVOA_X
ClientSampleId :
RE122D3-20250911

Tgt Ion:152 Resp: 150121

Ion	Ratio	Lower	Upper
152	100		
115	63.1	44.9	134.5
150	158.1	0.0	352.0



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:	09/11/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/12/25
Client Sample ID:	TB01-20250911	SDG No.:	Q3095
Lab Sample ID:	Q3095-33	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047646.D	1	09/18/25 17:06	VX091825

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	1.50	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	0.50	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	UQ	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:	09/11/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/12/25
Client Sample ID:	TB01-20250911	SDG No.:	Q3095
Lab Sample ID:	Q3095-33	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047646.D	1	09/18/25 17:06	VX091825

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	51.7		81 - 118		103%	SPK: 50
1868-53-7	Dibromofluoromethane	50.3		80 - 119		101%	SPK: 50
2037-26-5	Toluene-d8	50.6		89 - 112		101%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.3		85 - 114		103%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	176000	5.544				
540-36-3	1,4-Difluorobenzene	324000	6.751				
3114-55-4	Chlorobenzene-d5	294000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	142000	12.006				

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:	09/11/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/12/25
Client Sample ID:	TB01-20250911	SDG No.:	Q3095
Lab Sample ID:	Q3095-33	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047646.D	1	09/18/25 17:06	VX091825

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\VX091825\
Data File : VX047646.D
Acq On : 18 Sep 2025 17:06
Operator : JC/MD
Sample : Q3095-33
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TB01-20250911

Quant Time: Sep 19 01:34:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

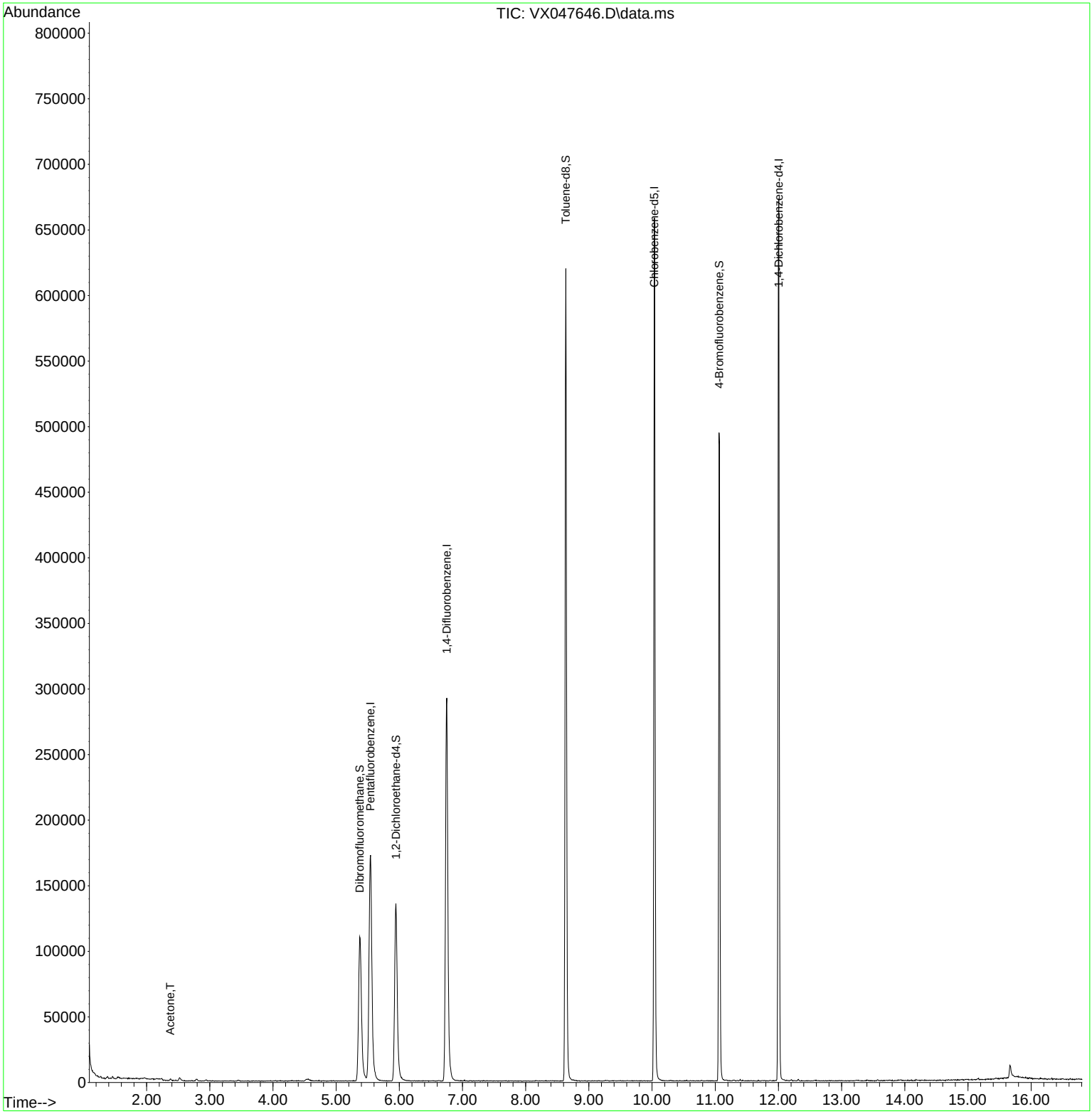
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	176470	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	323882	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	293861	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	142150	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	145202	51.692	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 103.380%			
35) Dibromofluoromethane	5.373	113	109244	50.293	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.580%			
50) Toluene-d8	8.635	98	380602	50.639	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 101.280%			
62) 4-Bromofluorobenzene	11.061	95	146283	51.283	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 102.560%			
Target Compounds						Qvalue
16) Acetone	2.374	43	1851	1.516	ug/l #	68

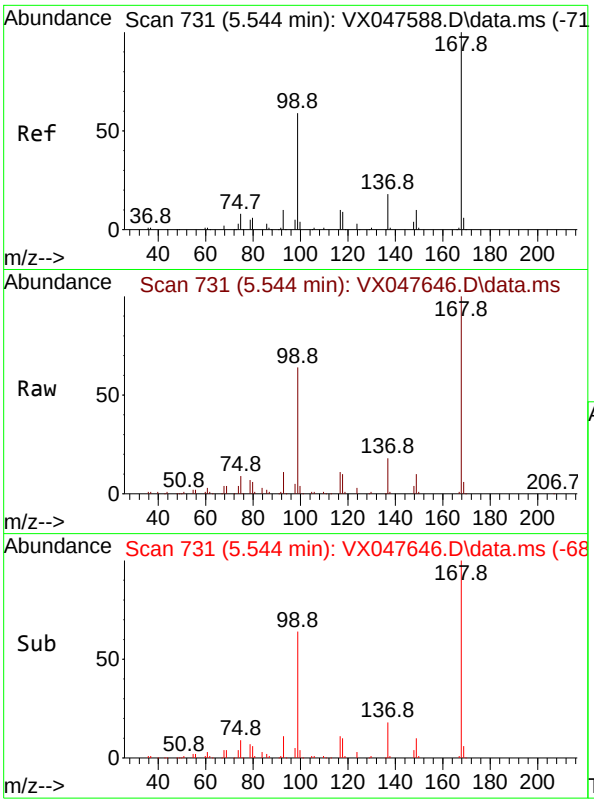
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091825\
Data File : VX047646.D
Acq On : 18 Sep 2025 17:06
Operator : JC/MD
Sample : Q3095-33
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TB01-20250911

Quant Time: Sep 19 01:34:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



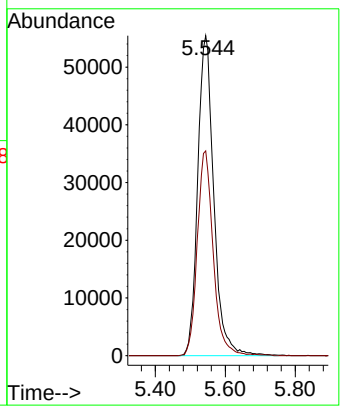


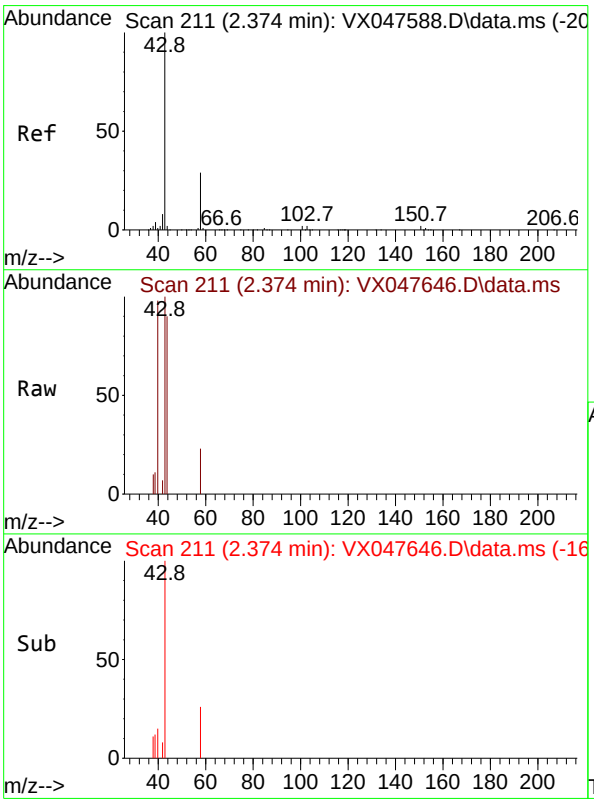
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047646.D
Acq: 18 Sep 2025 17:06

Instrument :
MSVOA_X
ClientSampleId :
TB01-20250911

Tgt Ion:168 Resp: 176470

Ion	Ratio	Lower	Upper
168	100		
99	64.0	48.8	73.2

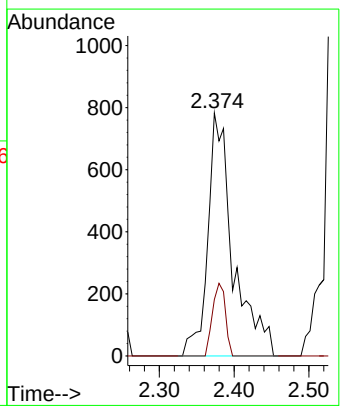


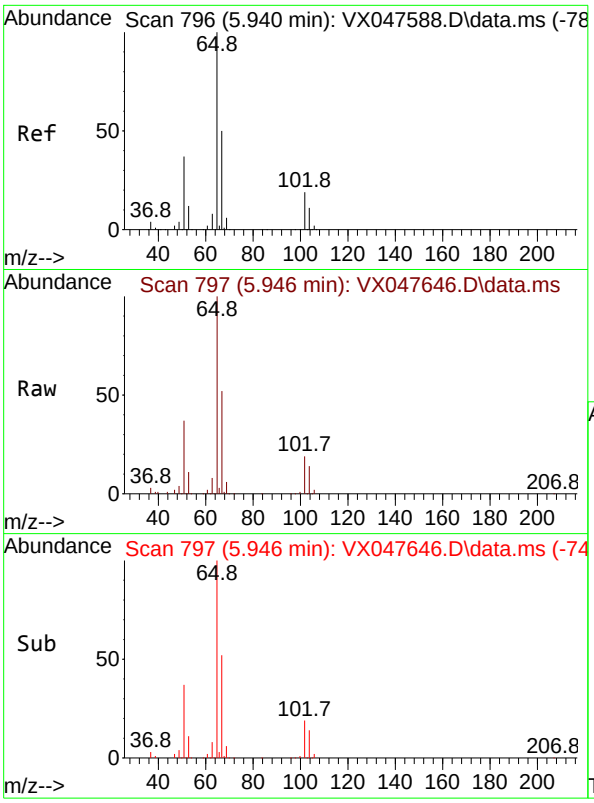


#16
Acetone
Concen: 1.516 ug/l
RT: 2.374 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX047646.D
Acq: 18 Sep 2025 17:06

Tgt Ion: 43 Resp: 1851

Ion	Ratio	Lower	Upper
43	100		
58	12.3	23.4	35.0#



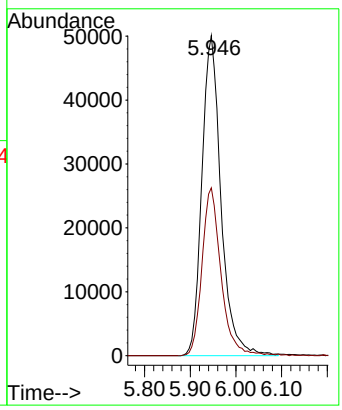


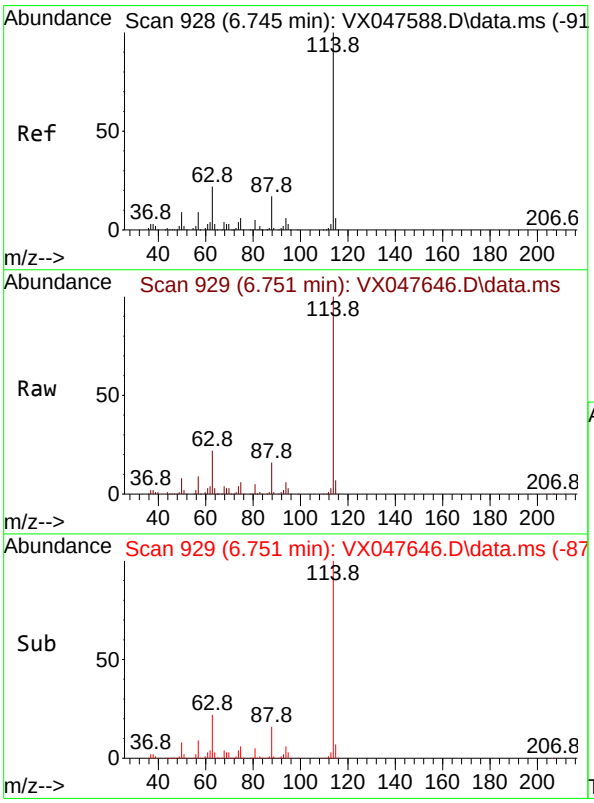
#33
1,2-Dichloroethane-d4
Concen: 51.692 ug/l
RT: 5.946 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047646.D
Acq: 18 Sep 2025 17:06

Instrument :
MSVOA_X
ClientSampleId :
TB01-20250911

Tgt Ion: 65 Resp: 145202

Ion	Ratio	Lower	Upper
65	100		
67	52.2	0.0	103.0

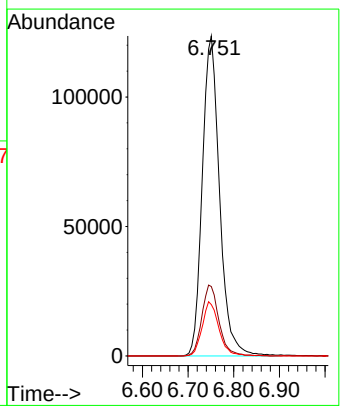


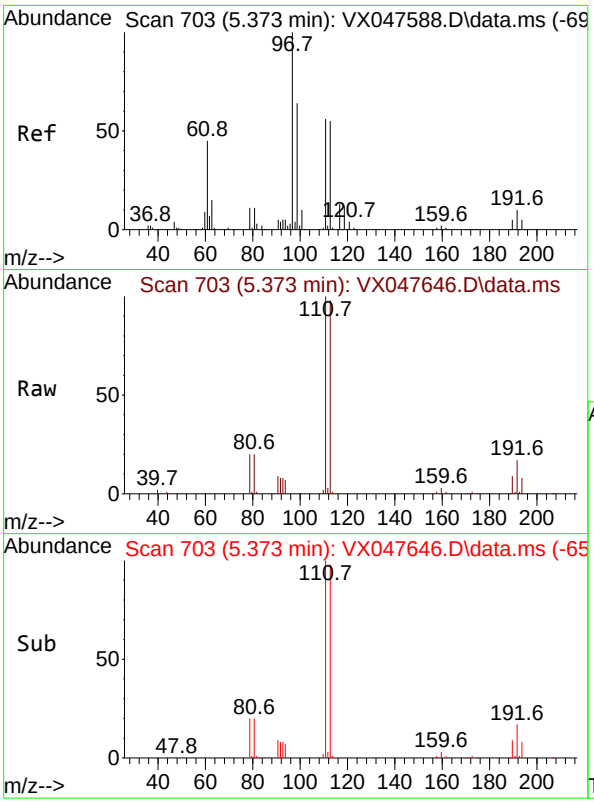


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 929
Delta R.T. 0.006 min
Lab File: VX047646.D
Acq: 18 Sep 2025 17:06

Tgt Ion:114 Resp: 323882

Ion	Ratio	Lower	Upper
114	100		
63	21.7	0.0	44.0
88	16.1	0.0	34.2



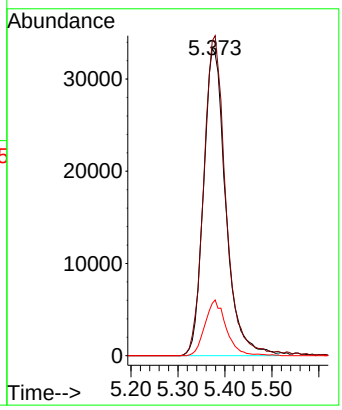


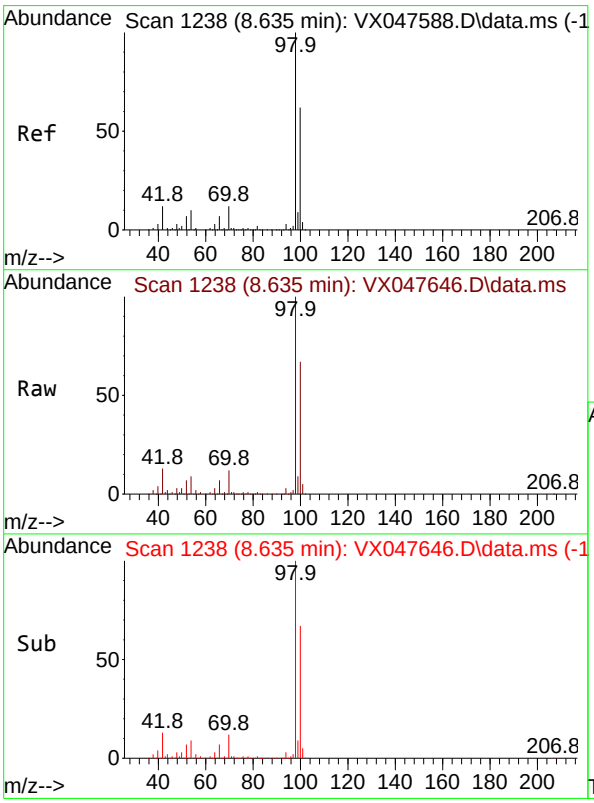
#35
Dibromofluoromethane
Concen: 50.293 ug/l
RT: 5.373 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047646.D
Acq: 18 Sep 2025 17:06

Instrument :
MSVOA_X
ClientSampleId :
TB01-20250911

Tgt Ion:113 Resp: 109244

Ion	Ratio	Lower	Upper
113	100		
111	102.8	80.9	121.3
192	17.4	14.2	21.4

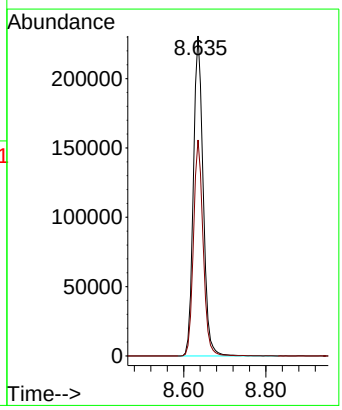


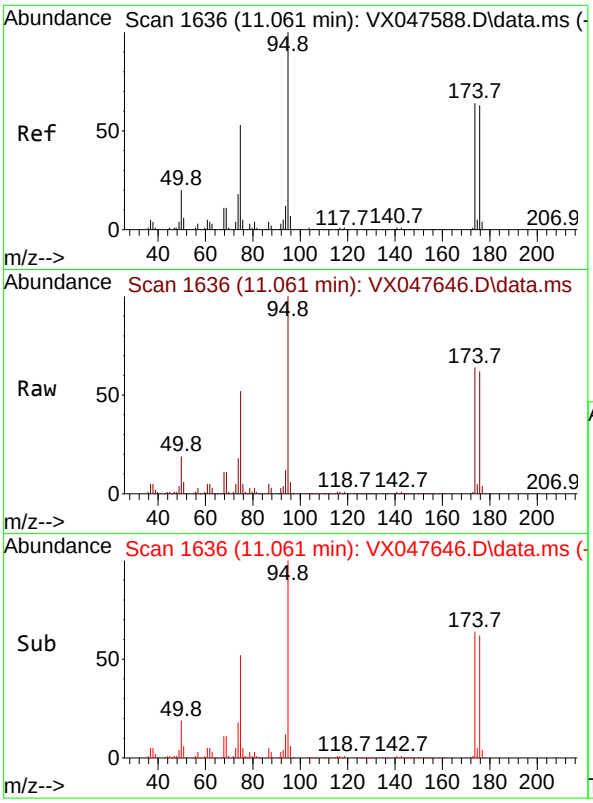


#50
Toluene-d8
Concen: 50.639 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX047646.D
Acq: 18 Sep 2025 17:06

Tgt Ion: 98 Resp: 380602

Ion	Ratio	Lower	Upper
98	100		
100	66.3	53.0	79.4



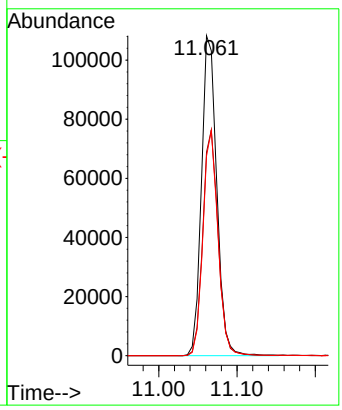


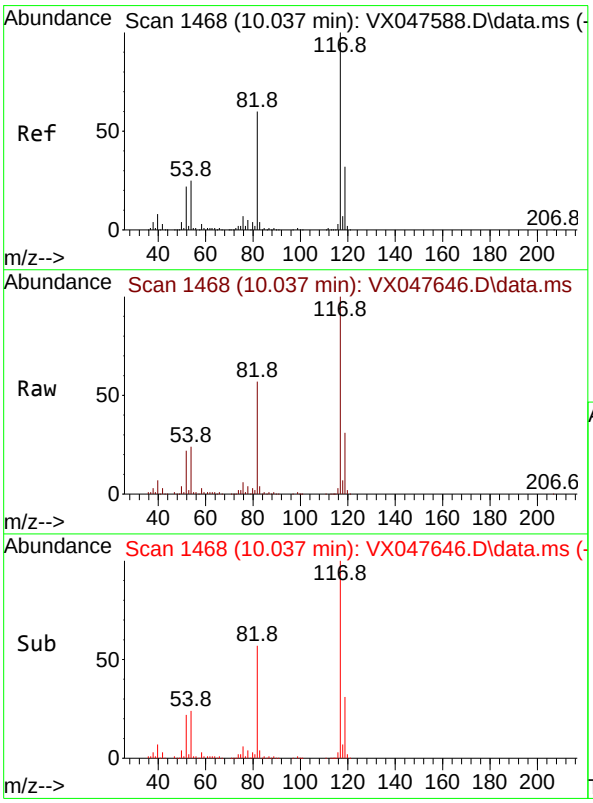
#62
4-Bromofluorobenzene
Concen: 51.283 ug/l
RT: 11.061 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047646.D
Acq: 18 Sep 2025 17:06

Instrument :
MSVOA_X
ClientSampleId :
TB01-20250911

Tgt Ion: 95 Resp: 146283

Ion	Ratio	Lower	Upper
95	100		
174	70.7	0.0	141.6
176	69.1	0.0	138.4

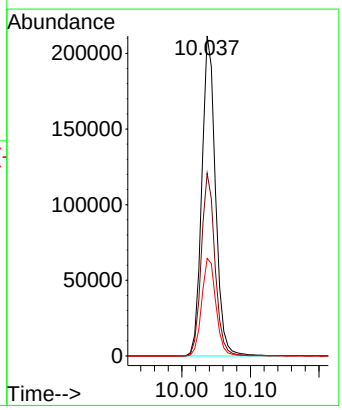


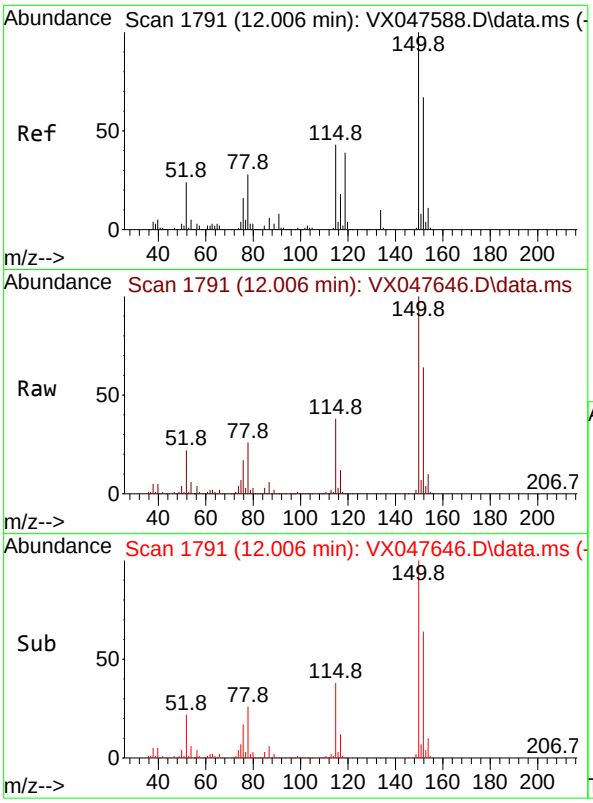


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX047646.D
Acq: 18 Sep 2025 17:06

Tgt Ion:117 Resp: 293861

Ion	Ratio	Lower	Upper
117	100		
82	57.1	47.8	71.6
119	30.5	25.2	37.8



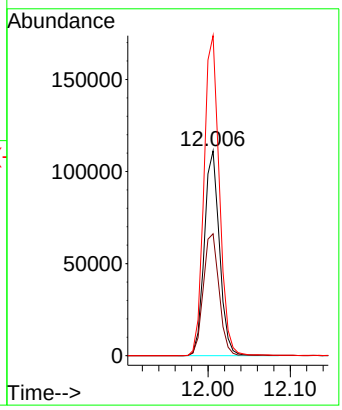


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047646.D
Acq: 18 Sep 2025 17:06

Instrument :
MSVOA_X
ClientSampleId :
TB01-20250911

Tgt Ion:152 Resp: 142150

Ion	Ratio	Lower	Upper
152	100		
115	62.3	44.9	134.5
150	159.0	0.0	352.0



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:	09/11/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/12/25
Client Sample ID:	TB02-20250911	SDG No.:	Q3095
Lab Sample ID:	Q3095-34	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047647.D	1	09/18/25 17:27	VX091825

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	UQ	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:	09/11/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/12/25
Client Sample ID:	TB02-20250911	SDG No.:	Q3095
Lab Sample ID:	Q3095-34	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047647.D	1	09/18/25 17:27	VX091825

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	51.4		81 - 118		103%	SPK: 50
1868-53-7	Dibromofluoromethane	49.5		80 - 119		99%	SPK: 50
2037-26-5	Toluene-d8	49.3		89 - 112		99%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.8		85 - 114		100%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	172000	5.543				
540-36-3	1,4-Difluorobenzene	318000	6.75				
3114-55-4	Chlorobenzene-d5	289000	10.036				
3855-82-1	1,4-Dichlorobenzene-d4	140000	12.006				

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:	09/11/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/12/25
Client Sample ID:	TB02-20250911	SDG No.:	Q3095
Lab Sample ID:	Q3095-34	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047647.D	1	09/18/25 17:27	VX091825

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\VX091825\
Data File : VX047647.D
Acq On : 18 Sep 2025 17:27
Operator : JC/MD
Sample : Q3095-34
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TB02-20250911

Quant Time: Sep 19 01:34:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

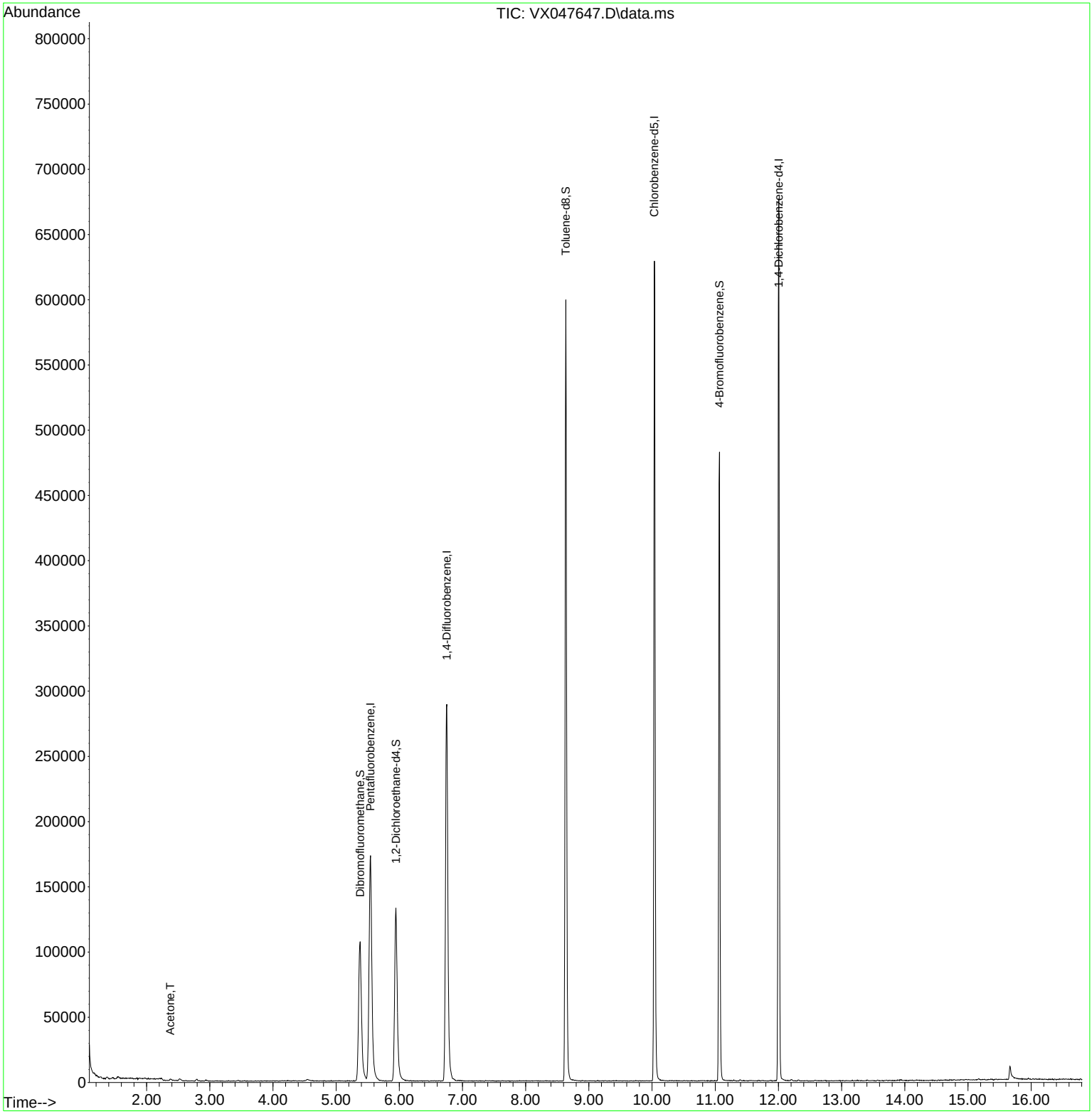
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.543	168	172433	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.750	114	318063	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.036	117	288916	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	139535	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	141006	51.374	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 102.740%			
35) Dibromofluoromethane	5.379	113	105606	49.508	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.020%			
50) Toluene-d8	8.634	98	364069	49.325	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 98.660%			
62) 4-Bromofluorobenzene	11.067	95	139439	49.778	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 99.560%			
Target Compounds						Qvalue
16) Acetone	2.373	43	1715	1.437	ug/l	93

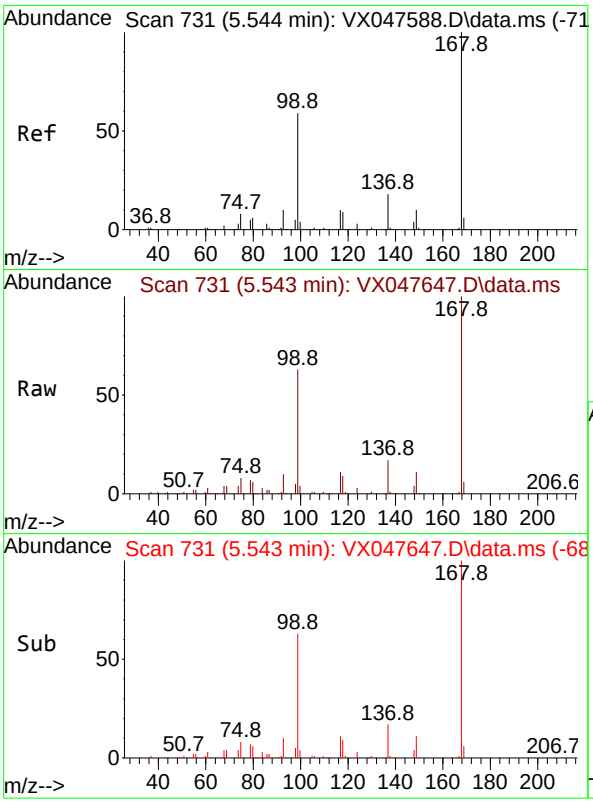
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091825\
Data File : VX047647.D
Acq On : 18 Sep 2025 17:27
Operator : JC/MD
Sample : Q3095-34
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TB02-20250911

Quant Time: Sep 19 01:34:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



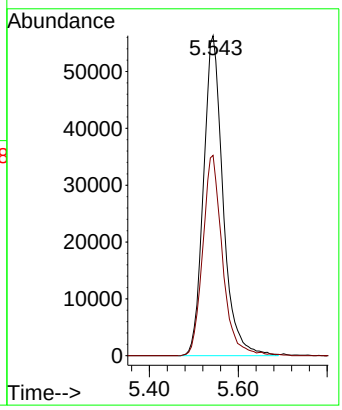


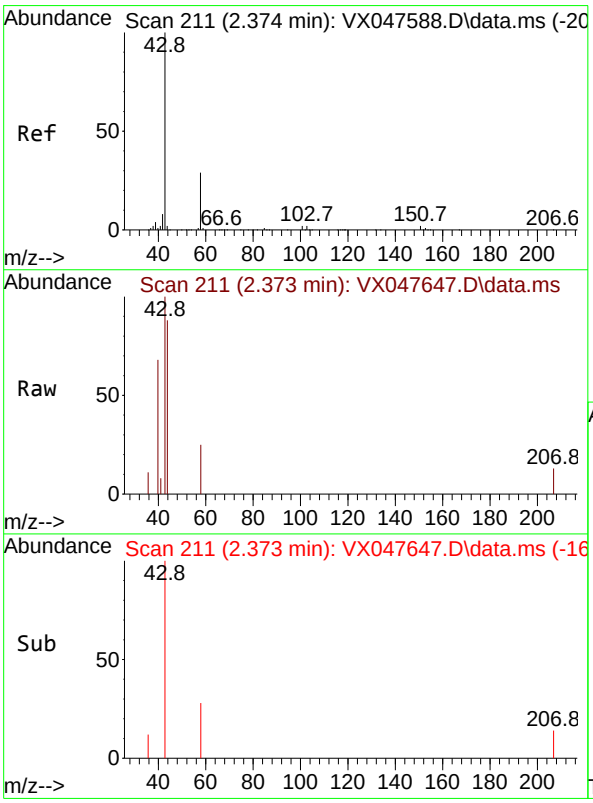
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.543 min Scan# 7
Delta R.T. -0.001 min
Lab File: VX047647.D
Acq: 18 Sep 2025 17:27

Instrument :
MSVOA_X
ClientSampleId :
TB02-20250911

Tgt Ion:168 Resp: 172433

Ion	Ratio	Lower	Upper
168	100		
99	62.6	48.8	73.2

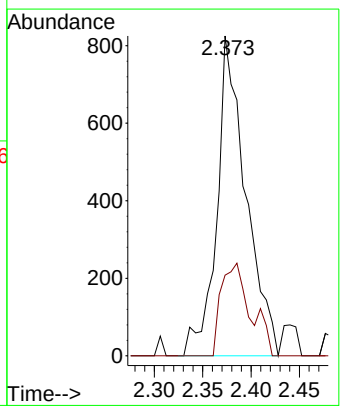


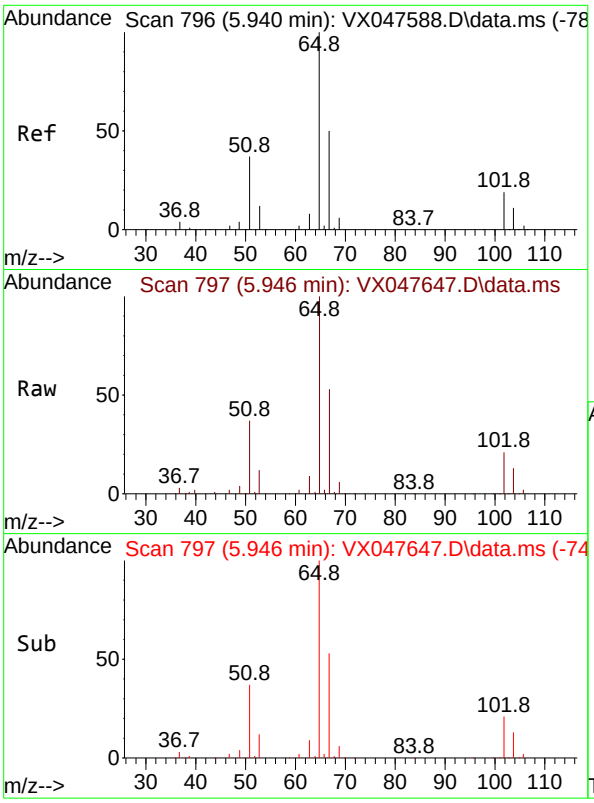


#16
Acetone
Concen: 1.437 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX047647.D
Acq: 18 Sep 2025 17:27

Tgt Ion: 43 Resp: 1715

Ion	Ratio	Lower	Upper
43	100		
58	25.2	23.4	35.0



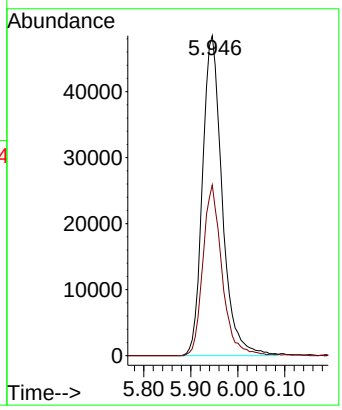


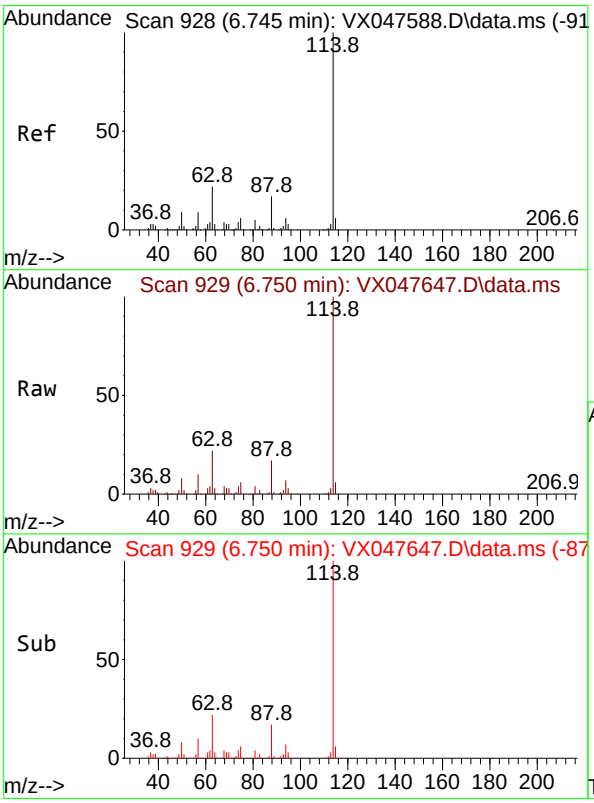
#33
1,2-Dichloroethane-d4
Concen: 51.374 ug/l
RT: 5.946 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047647.D
Acq: 18 Sep 2025 17:27

Instrument :
MSVOA_X
ClientSampleId :
TB02-20250911

Tgt Ion: 65 Resp: 141006

Ion	Ratio	Lower	Upper
65	100		
67	51.6	0.0	103.0

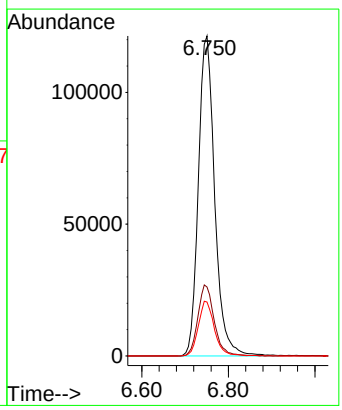


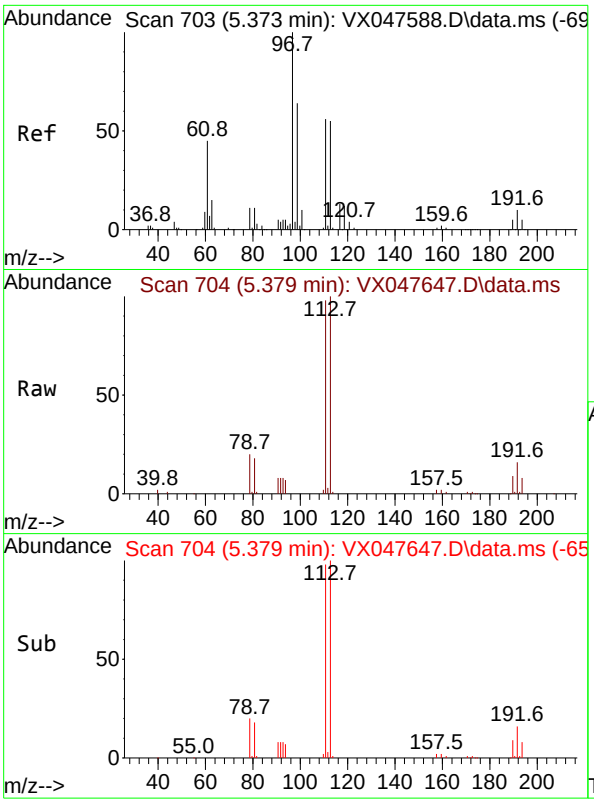


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.750 min Scan# 929
Delta R.T. 0.006 min
Lab File: VX047647.D
Acq: 18 Sep 2025 17:27

Tgt Ion:114 Resp: 318063

Ion	Ratio	Lower	Upper
114	100		
63	21.5	0.0	44.0
88	16.9	0.0	34.2



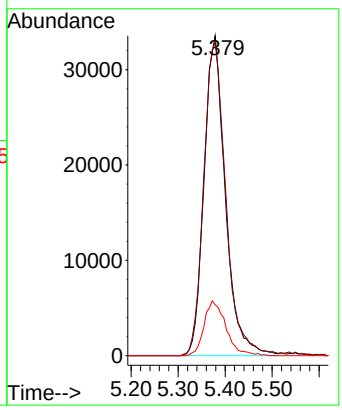


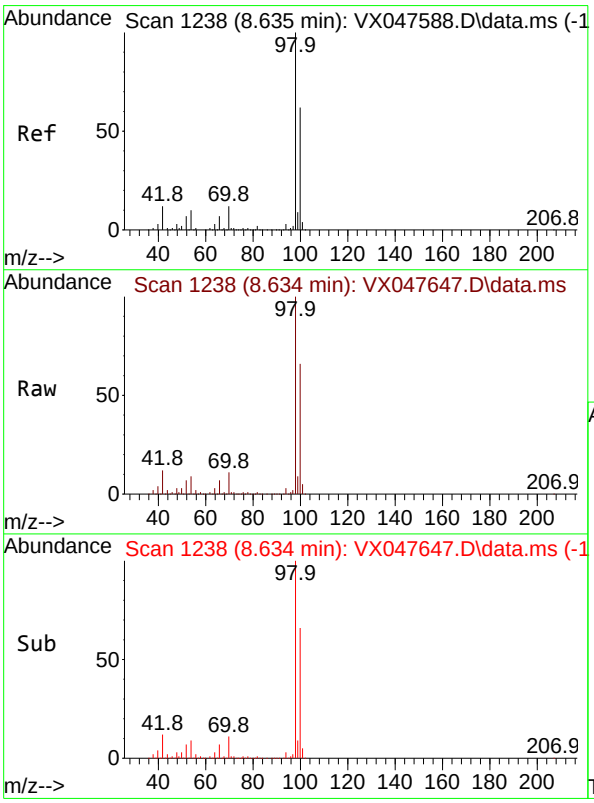
#35
Dibromofluoromethane
Concen: 49.508 ug/l
RT: 5.379 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047647.D
Acq: 18 Sep 2025 17:27

Instrument :
MSVOA_X
ClientSampleId :
TB02-20250911

Tgt Ion:113 Resp: 105606

Ion	Ratio	Lower	Upper
113	100		
111	102.2	80.9	121.3
192	17.6	14.2	21.4

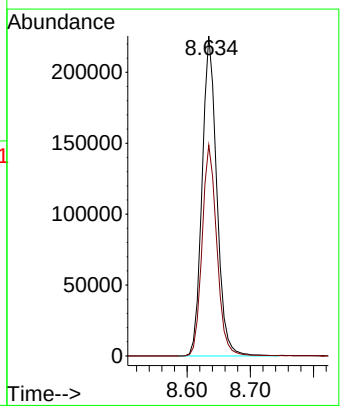


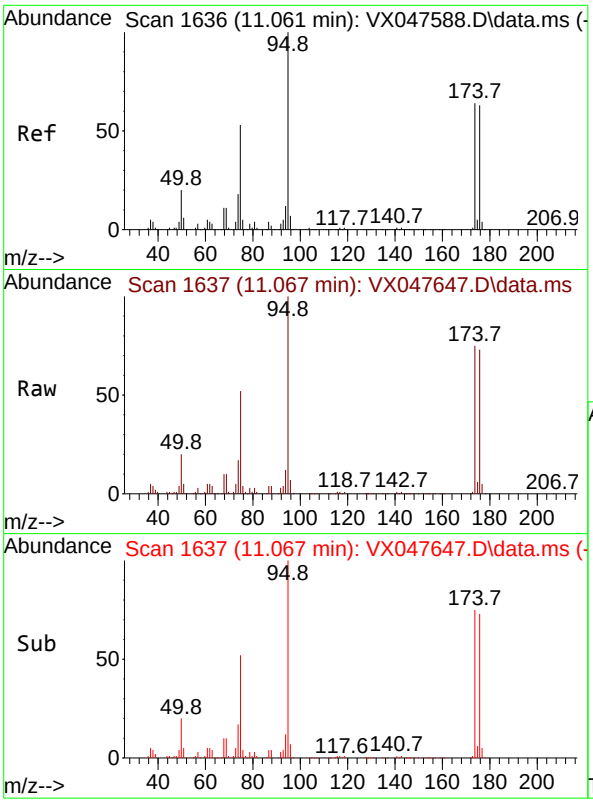


#50
Toluene-d8
Concen: 49.325 ug/l
RT: 8.634 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX047647.D
Acq: 18 Sep 2025 17:27

Tgt Ion: 98 Resp: 364069

Ion	Ratio	Lower	Upper
98	100		
100	66.3	53.0	79.4



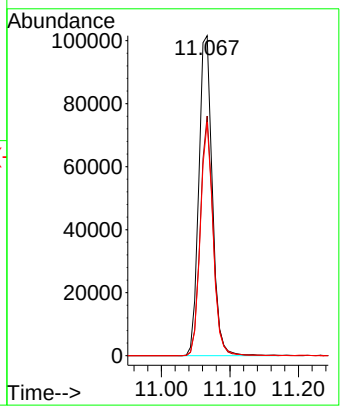


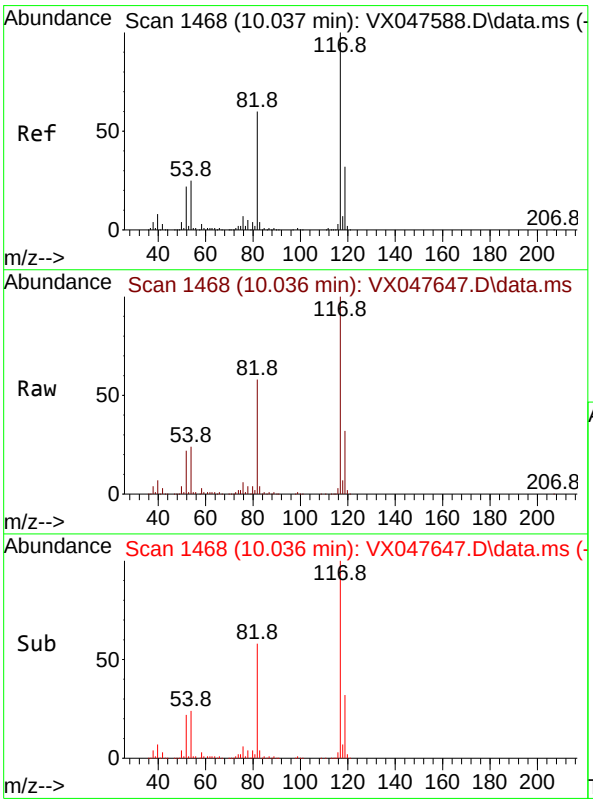
#62
4-Bromofluorobenzene
Concen: 49.778 ug/l
RT: 11.067 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047647.D
Acq: 18 Sep 2025 17:27

Instrument :
MSVOA_X
ClientSampleId :
TB02-20250911

Tgt Ion: 95 Resp: 139439

Ion	Ratio	Lower	Upper
95	100		
174	70.9	0.0	141.6
176	68.8	0.0	138.4

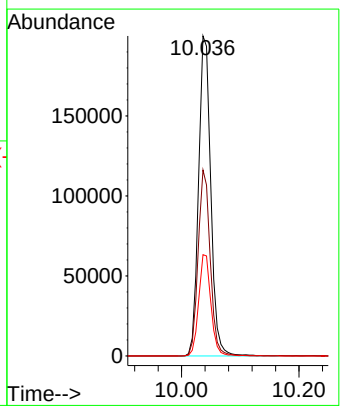


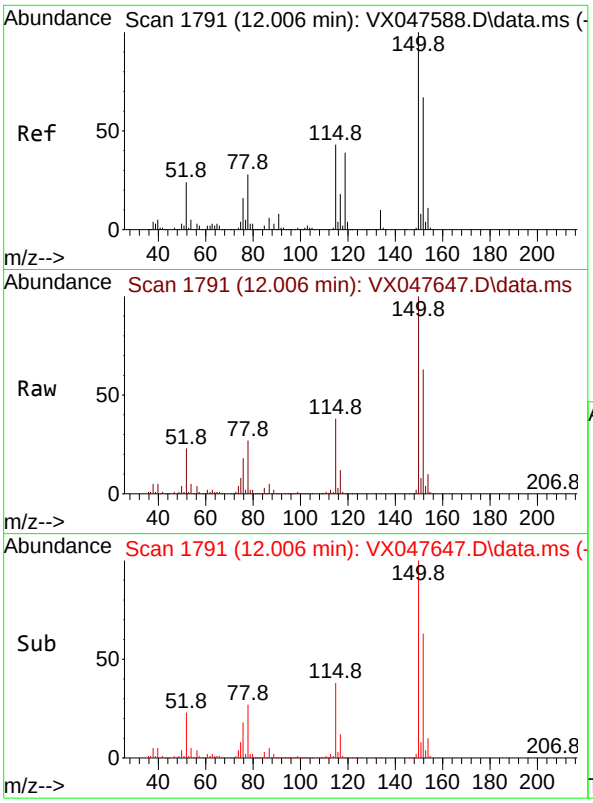


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.036 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX047647.D
Acq: 18 Sep 2025 17:27

Tgt Ion:117 Resp: 288916

Ion	Ratio	Lower	Upper
117	100		
82	58.1	47.8	71.6
119	31.7	25.2	37.8



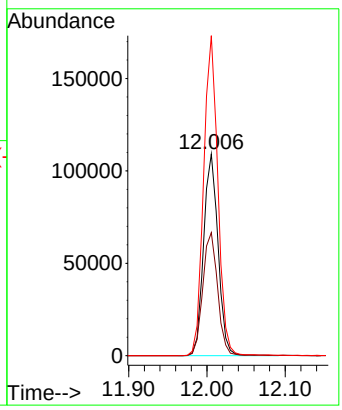


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047647.D
Acq: 18 Sep 2025 17:27

Instrument :
MSVOA_X
ClientSampleId :
TB02-20250911

Tgt Ion:152 Resp: 139535

Ion	Ratio	Lower	Upper
152	100		
115	62.7	44.9	134.5
150	156.7	0.0	352.0



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: Alliance Contract: AECO15

Lab Code: ACE SDG No.: Q3095

Instrument ID: MSVOA_X Calibration Date(s): 09/16/2025 09/16/2025

Heated Purge: (Y/N) N Calibration Time(s): 09:23 12:01

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

LAB FILE ID: RRF001 = VX047585.D RRF005 = VX047586.D RRF020 = VX047587.D
RRF050 = VX047588.D RRF100 = VX047589.D RRF150 = VX047590.D

COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.447	0.575	0.582	0.501	0.510	0.492	0.518	10
Chloromethane	0.610	0.749	0.739	0.661	0.677	0.647	0.680	7.9
Vinyl Chloride	0.572	0.713	0.716	0.661	0.677	0.658	0.666	7.9
Bromomethane		0.493	0.451	0.424	0.423	0.321	0.422	15
Chloroethane	0.433	0.450	0.469	0.443	0.450	0.426	0.445	3.4
Trichlorofluoromethane	0.865	1.033	1.038	0.995	1.018	0.986	0.989	6.5
1,1,2-Trichlorotrifluoroethane	0.519	0.591	0.603	0.583	0.590	0.583	0.578	5.2
1,1-Dichloroethene	0.526	0.612	0.618	0.604	0.609	0.596	0.594	5.7
Acetone	0.343	0.416	0.400	0.317	0.302	0.299	0.346	14.7
Carbon Disulfide	1.555	1.735	1.758	1.566	1.589	1.555	1.626	5.8
Methyl tert-butyl Ether	1.884	2.238	2.221	2.247	2.212	2.209	2.169	6.5
Methyl Acetate	0.612	0.673	0.714	0.876	0.865	0.881	0.770	15.4
Methylene Chloride	0.718	0.772	0.754	0.730	0.716	0.705	0.732	3.5
trans-1,2-Dichloroethene	0.543	0.703	0.665	0.649	0.643	0.635	0.640	8.3
1,1-Dichloroethane	1.090	1.325	1.299	1.297	1.287	1.278	1.263	6.8
Cyclohexane		1.161	1.092	1.030	0.984	0.993	1.052	7.1
2-Butanone	0.370	0.470	0.473	0.439	0.414	0.424	0.432	9
Carbon Tetrachloride	0.482	0.574	0.555	0.539	0.526	0.518	0.532	6
cis-1,2-Dichloroethene	0.698	0.806	0.803	0.808	0.787	0.797	0.783	5.4
Bromochloromethane	0.457	0.607	0.450	0.577	0.587	0.630	0.551	14.2
Chloroform	1.034	1.364	1.366	1.323	1.282	1.288	1.276	9.7
1,1,1-Trichloroethane	0.901	1.123	1.141	1.127	1.100	1.103	1.082	8.3
Methylcyclohexane	0.490	0.589	0.591	0.565	0.548	0.554	0.556	6.6
Benzene	1.330	1.577	1.566	1.523	1.473	1.459	1.488	6.1
1,2-Dichloroethane	0.513	0.595	0.600	0.582	0.554	0.553	0.566	5.8
Trichloroethene	0.296	0.382	0.382	0.370	0.364	0.363	0.360	8.9
1,2-Dichloropropane	0.326	0.403	0.394	0.397	0.382	0.384	0.381	7.4
Bromodichloromethane	0.461	0.599	0.601	0.607	0.579	0.586	0.572	9.7
4-Methyl-2-Pentanone	0.390	0.493	0.503	0.511	0.479	0.487	0.477	9.3
Toluene	0.841	0.967	0.960	0.940	0.897	0.897	0.917	5.2

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

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: AECO15

Lab Code: ACE SDG No.: Q3095

Instrument ID: MSVOA_X Calibration Date(s): 09/16/2025 09/16/2025

Heated Purge: (Y/N) N Calibration Time(s): 09:23 12:01

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

LAB FILE ID: RRF001 = VX047585.D RRF005 = VX047586.D RRF020 = VX047587.D
RRF050 = VX047588.D RRF100 = VX047589.D RRF150 = VX047590.D

COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
t-1,3-Dichloropropene	0.487	0.588	0.602	0.619	0.595	0.611	0.584	8.3
cis-1,3-Dichloropropene	0.513	0.652	0.644	0.653	0.637	0.644	0.624	8.7
1,1,2-Trichloroethane	0.323	0.365	0.371	0.367	0.344	0.351	0.354	5.1
2-Hexanone	0.274	0.374	0.372	0.360	0.333	0.343	0.343	10.8
Dibromochloromethane	0.321	0.414	0.431	0.435	0.421	0.422	0.407	10.5
1,2-Dibromoethane	0.287	0.379	0.384	0.379	0.364	0.367	0.360	10.1
Tetrachloroethene	0.299	0.354	0.342	0.326	0.320	0.314	0.326	6
Chlorobenzene	0.998	1.182	1.177	1.178	1.139	1.142	1.136	6.2
Ethyl Benzene	1.625	2.077	2.049	2.039	1.996	1.973	1.960	8.6
m/p-Xylenes	0.604	0.774	0.765	0.765	0.739	0.730	0.729	8.8
o-Xylene	0.576	0.734	0.734	0.749	0.721	0.719	0.706	9.1
Styrene	1.019	1.288	1.290	1.299	1.257	1.265	1.236	8.7
Bromoform	0.221	0.293	0.301	0.313	0.312	0.317	0.293	12.4
Isopropylbenzene	3.124	3.907	3.986	4.047	3.907	3.839	3.801	8.9
1,1,2,2-Tetrachloroethane	0.965	1.182	1.203	1.225	1.152	1.173	1.150	8.2
1,3-Dichlorobenzene	1.462	1.800	1.829	1.817	1.768	1.758	1.739	8
1,4-Dichlorobenzene	1.570	1.890	1.868	1.832	1.767	1.783	1.785	6.5
1,2-Dichlorobenzene	1.359	1.691	1.757	1.746	1.696	1.692	1.657	9
1,2-Dibromo-3-Chloropropane	0.173	0.218	0.242	0.254	0.250	0.260	0.233	14.1
1,2,4-Trichlorobenzene	0.831	1.099	1.107	1.156	1.140	1.126	1.077	11.3
1,2,3-Trichlorobenzene	0.753	0.986	1.031	1.088	1.078	1.073	1.002	12.7
1,2-Dichloroethane-d4		0.884	0.647	0.770	0.815	0.863	0.796	11.8
Dibromofluoromethane		0.356	0.266	0.331	0.355	0.368	0.335	12.3
Toluene-d8		1.237	0.943	1.147	1.211	1.263	1.160	11.1
4-Bromofluorobenzene		0.478	0.360	0.427	0.452	0.484	0.440	11.4

* 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 : 82X091625W.M
Title : SW846 8260
Last Update : Wed Sep 17 06:39:58 2025
Response Via : Initial Calibration

Calibration Files
1 =VX047585.D 5 =VX047586.D 20 =VX047587.D 50 =VX047588.D 100 =VX047589.D 150 =VX047590.D

		Compound	1	5	20	50	100	150	Avg	%RSD
1)	I	Pentafluorobenzene	----------ISTD----------							
2)	T	Dichlorodifluo...	0.447	0.575	0.582	0.501	0.510	0.492	0.518	10.01
3)	P	Chloromethane	0.610	0.749	0.739	0.661	0.677	0.647	0.680	7.92
4)	C	Vinyl Chloride	0.572	0.713	0.716	0.661	0.677	0.658	0.666	7.87#
5)	T	Bromomethane		0.493	0.451	0.424	0.423	0.321	0.422	15.01
6)	T	Chloroethane	0.433	0.450	0.469	0.443	0.450	0.426	0.445	3.36
7)	T	Trichlorofluor...	0.865	1.033	1.038	0.995	1.018	0.986	0.989	6.49
8)	T	Diethyl Ether	0.372	0.405	0.413	0.409	0.420	0.409	0.405	4.17
9)	T	1,1,2-Trichlor...	0.519	0.591	0.603	0.583	0.590	0.583	0.578	5.21
10)	T	Methyl Iodide		0.865	0.922	0.911	0.925	0.886	0.902	2.85
11)	T	Tert butyl alc...		0.085	0.086	0.089	0.090	0.094	0.089	4.18
12)	CM	1,1-Dichloroet...	0.526	0.612	0.618	0.604	0.609	0.596	0.594	5.71#
13)	T	Acrolein		0.071	0.069	0.082	0.089	0.097	0.082	14.59
14)	T	Allyl chloride	1.194	1.267	1.249	1.211	1.226	1.207	1.226	2.25
15)	T	Acrylonitrile	0.264	0.329	0.343	0.347	0.343	0.344	0.328	9.82
16)	T	Acetone	0.343	0.416	0.400	0.317	0.302	0.299	0.346	14.67
17)	T	Carbon Disulfide	1.555	1.735	1.758	1.566	1.589	1.555	1.626	5.80
18)	T	Methyl Acetate	0.612	0.673	0.714	0.876	0.865	0.881	0.770	15.39
19)	T	Methyl tert-bu...	1.884	2.238	2.221	2.247	2.212	2.209	2.169	6.47
20)	T	Methylene Chlo...	0.718	0.772	0.754	0.730	0.716	0.705	0.732	3.45
21)	T	trans-1,2-Dich...	0.543	0.703	0.665	0.649	0.643	0.635	0.640	8.28
22)	T	Diisopropyl ether	1.976	2.531	2.487	2.477	2.398	2.384	2.376	8.56
23)	T	Vinyl Acetate	1.541	1.937	2.020	1.992	1.958	1.961	1.901	9.41
24)	P	1,1-Dichloroet...	1.090	1.325	1.299	1.297	1.287	1.278	1.263	6.81
25)	T	2-Butanone	0.370	0.470	0.473	0.439	0.414	0.424	0.432	8.98
26)	T	2,2-Dichloropr...	0.945	1.096	1.074	1.068	1.055	1.060	1.050	5.06
27)	T	cis-1,2-Dichlo...	0.698	0.806	0.803	0.808	0.787	0.797	0.783	5.41
28)	T	Bromochloromet...	0.457	0.607	0.450	0.577	0.587	0.630	0.551	14.18
29)	T	Tetrahydrofuran	0.211	0.269	0.272	0.275	0.262	0.268	0.260	9.24
30)	C	Chloroform	1.034	1.364	1.366	1.323	1.282	1.288	1.276	9.72#
31)	T	Cyclohexane		1.161	1.092	1.030	0.984	0.993	1.052	7.08
32)	T	1,1,1-Trichlor...	0.901	1.123	1.141	1.127	1.100	1.103	1.082	8.33
33)	S	1,2-Dichloroet...		0.884	0.647	0.770	0.815	0.863	0.796	11.82
34)	I	1,4-Difluorobenzene	----------ISTD----------							
35)	S	Dibromofluorom...		0.356	0.266	0.331	0.355	0.368	0.335	12.25
36)	T	1,1-Dichloropr...	0.484	0.520	0.508	0.487	0.471	0.469	0.490	4.15
37)	T	Ethyl Acetate	0.429	0.561	0.554	0.532	0.533	0.539	0.525	9.21
38)	T	Carbon Tetrach...	0.482	0.574	0.555	0.539	0.526	0.518	0.532	5.99
39)	T	Methylcyclohexane	0.490	0.589	0.591	0.565	0.548	0.554	0.556	6.60
40)	TM	Benzene	1.330	1.577	1.566	1.523	1.473	1.459	1.488	6.11
41)	T	Methacrylonitrile	0.236	0.264	0.286	0.286	0.282	0.271	0.271	7.13
42)	TM	1,2-Dichloroet...	0.513	0.595	0.600	0.582	0.554	0.553	0.566	5.76
43)	T	Isopropyl Acetate	0.751	0.882	0.889	0.897	0.865	0.879	0.860	6.34
44)	TM	Trichloroethene	0.296	0.382	0.382	0.370	0.364	0.363	0.360	8.92
45)	C	1,2-Dichloropr...	0.326	0.403	0.394	0.397	0.382	0.384	0.381	7.37#
46)	T	Dibromomethane	0.248	0.285	0.289	0.288	0.276	0.277	0.277	5.54
47)	T	Bromodichlorom...	0.461	0.599	0.601	0.607	0.579	0.586	0.572	9.65
48)	T	Methyl methacr...	0.372	0.421	0.447	0.449	0.436	0.446	0.429	6.97
49)	T	1,4-Dioxane	0.003	0.004	0.004	0.005	0.005	0.005	0.004	19.43
50)	S	Toluene-d8		1.237	0.943	1.147	1.211	1.263	1.160	11.10
51)	T	4-Methyl-2-Pen...	0.390	0.493	0.503	0.511	0.479	0.487	0.477	9.28
52)	CM	Toluene	0.841	0.967	0.960	0.940	0.897	0.897	0.917	5.22#
53)	T	t-1,3-Dichloro...	0.487	0.588	0.602	0.619	0.595	0.611	0.584	8.33
54)	T	cis-1,3-Dichlo...	0.513	0.652	0.644	0.653	0.637	0.644	0.624	8.74
55)	T	1,1,2-Trichlor...	0.323	0.365	0.371	0.367	0.344	0.351	0.354	5.10
56)	T	Ethyl methacry...	0.407	0.563	0.587	0.599	0.580	0.595	0.555	13.25

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
Method File : 82X091625W.M

57)	T	1,3-Dichloropr...	0.507	0.648	0.636	0.638	0.607	0.609	0.607	8.51
58)	T	2-Chloroethyl ...	0.094	0.212	0.210	0.272	0.280	0.292	0.227	32.65
59)	T	2-Hexanone	0.274	0.374	0.372	0.360	0.333	0.343	0.343	10.82
60)	T	Dibromochlorom...	0.321	0.414	0.431	0.435	0.421	0.422	0.407	10.49
61)	T	1,2-Dibromoethane	0.287	0.379	0.384	0.379	0.364	0.367	0.360	10.10
62)	S	4-Bromofluorob...		0.478	0.360	0.427	0.452	0.484	0.440	11.42
63)	I	Chlorobenzene-d5	----------ISTD----------							
64)	T	Tetrachloroethene	0.299	0.354	0.342	0.326	0.320	0.314	0.326	6.03
65)	PM	Chlorobenzene	0.998	1.182	1.177	1.178	1.139	1.142	1.136	6.18
66)	T	1,1,1,2-Tetrac...	0.327	0.404	0.402	0.414	0.404	0.402	0.392	8.26
67)	C	Ethyl Benzene	1.625	2.077	2.049	2.039	1.996	1.973	1.960	8.57#
68)	T	m/p-Xylenes	0.604	0.774	0.765	0.765	0.739	0.730	0.729	8.77
69)	T	o-Xylene	0.576	0.734	0.734	0.749	0.721	0.719	0.706	9.13
70)	T	Styrene	1.019	1.288	1.290	1.299	1.257	1.265	1.236	8.70
71)	P	Bromoform	0.221	0.293	0.301	0.313	0.312	0.317	0.293	12.37
72)	I	1,4-Dichlorobenzen...	----------ISTD----------							
73)	T	Isopropylbenzene	3.124	3.907	3.986	4.047	3.907	3.839	3.801	8.94
74)	T	N-amyl acetate	1.277	1.726	1.851	1.862	1.834	1.850	1.733	13.21
75)	P	1,1,2,2-Tetrac...	0.965	1.182	1.203	1.225	1.152	1.173	1.150	8.16
76)	T	1,2,3-Trichlor...	0.847	1.023	1.073	1.128	0.939	1.064	1.012	10.13
77)	T	Bromobenzene	0.760	0.964	0.992	0.988	0.960	0.954	0.936	9.38
78)	T	n-propylbenzene	3.680	4.667	4.739	4.792	4.581	4.504	4.494	9.17
79)	T	2-Chlorotoluene	2.276	2.859	2.935	2.915	2.798	2.730	2.752	8.91
80)	T	1,3,5-Trimethy...	2.458	3.235	3.311	3.343	3.221	3.171	3.123	10.62
81)	T	trans-1,4-Dich...		0.347	0.381	0.414	0.420	0.424	0.397	8.31
82)	T	4-Chlorotoluene	2.754	3.347	3.410	3.433	3.285	3.275	3.251	7.74
83)	T	tert-Butylbenzene	2.800	3.223	3.346	3.359	3.240	3.215	3.197	6.39
84)	T	1,2,4-Trimethy...	2.522	3.302	3.381	3.344	3.234	3.216	3.166	10.17
85)	T	sec-Butylbenzene	3.110	4.001	3.945	4.028	3.867	3.834	3.797	9.09
86)	T	p-Isopropyltol...	2.660	3.372	3.371	3.419	3.263	3.205	3.215	8.81
87)	T	1,3-Dichlorobe...	1.462	1.800	1.829	1.817	1.768	1.758	1.739	7.95
88)	T	1,4-Dichlorobe...	1.570	1.890	1.868	1.832	1.767	1.783	1.785	6.47
89)	T	n-Butylbenzene	2.429	3.070	3.114	3.139	3.098	2.999	2.975	9.14
90)	T	Hexachloroethane	0.434	0.565	0.574	0.593	0.606	0.614	0.564	11.81
91)	T	1,2-Dichlorobe...	1.359	1.691	1.757	1.746	1.696	1.692	1.657	8.97
92)	T	1,2-Dibromo-3-...	0.173	0.218	0.242	0.254	0.250	0.260	0.233	14.07
93)	T	1,2,4-Trichlor...	0.831	1.099	1.107	1.156	1.140	1.126	1.077	11.34
94)	T	Hexachlorobuta...	0.341	0.377	0.361	0.384	0.377	0.354	0.366	4.51
95)	T	Naphthalene	2.503	3.153	3.410	3.539	3.496	3.571	3.279	12.46
96)	T	1,2,3-Trichlor...	0.753	0.986	1.031	1.088	1.078	1.073	1.002	12.72

(#) = Out of Range

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047585.D
Acq On : 16 Sep 2025 09:23
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 17 06:09:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:04:35 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.537	168	246348	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	6.745	114	451502	50.000	ug/l		0.00
63) Chlorobenzene-d5	10.037	117	410953	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	201976	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 78 - 117		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 92 - 112		Recovery =	0.000%#			
62) 4-Bromofluorobenzene	0.000	95	0d	0.000	ug/l		
Spiked Amount 50.000	Range 83 - 123		Recovery =	0.000%#			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.179	85	2201	0.863	ug/l		96
3) Chloromethane	1.300	50	3006	0.897	ug/l	#	82
4) Vinyl Chloride	1.386	62	2818	0.859	ug/l		95
6) Chloroethane	1.697	64	2134	0.973	ug/l		95
7) Trichlorofluoromethane	1.898	101	4261	0.874	ug/l		88
8) Diethyl Ether	2.130	74	1831	0.919	ug/l		98
9) 1,1,2-Trichlorotrifluo...	2.337	101	2555	0.897	ug/l		93
12) 1,1-Dichloroethene	2.325	96	2594	0.886	ug/l	#	80
14) Allyl chloride	2.666	41	5885	0.974	ug/l		94
15) Acrylonitrile	3.062	53	6500	4.018	ug/l		97
16) Acetone	2.380	43	8444	4.953	ug/l		99
17) Carbon Disulfide	2.520	76	7662	0.956	ug/l	#	91
18) Methyl Acetate	2.703	43	3013	0.794	ug/l		98
19) Methyl tert-butyl Ether	3.111	73	9281	0.869	ug/l	#	89
20) Methylene Chloride	2.788	84	3540	0.981	ug/l		93
21) trans-1,2-Dichloroethene	3.099	96	2676	0.849	ug/l		95
22) Diisopropyl ether	3.751	45	9738	0.832	ug/l	#	87
23) Vinyl Acetate	3.715	43	37962	4.052	ug/l		97
24) 1,1-Dichloroethane	3.611	63	5372	0.863	ug/l		95
25) 2-Butanone	4.550	43	9105	4.281	ug/l	#	83
26) 2,2-Dichloropropane	4.477	77	4657	0.901	ug/l		77
27) cis-1,2-Dichloroethene	4.477	96	3440	0.891	ug/l		96
28) Bromochloromethane	4.879	49	2251	0.829	ug/l	#	93
29) Tetrahydrofuran	4.995	42	5210	4.072	ug/l		98
30) Chloroform	5.074	83	5093	0.810	ug/l		86
32) 1,1,1-Trichloroethane	5.373	97	4439	0.832	ug/l	#	47
36) 1,1-Dichloropropene	5.672	75	4373	0.988	ug/l	#	69
37) Ethyl Acetate	4.702	43	3873	0.818	ug/l	#	91
38) Carbon Tetrachloride	5.659	117	4349	0.905	ug/l		95
39) Methylcyclohexane	7.360	83	4428	0.882	ug/l		94
40) Benzene	6.025	78	12012	0.894	ug/l		98
41) Methacrylonitrile	4.903	41	2128	0.870	ug/l	#	63
42) 1,2-Dichloroethane	6.062	62	4634	0.906	ug/l		80
43) Isopropyl Acetate	6.318	43	6784	0.873	ug/l		94
44) Trichloroethene	7.110	130	2677	0.824	ug/l		78
45) 1,2-Dichloropropane	7.415	63	2945	0.856	ug/l		100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047585.D
Acq On : 16 Sep 2025 09:23
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

Quant Time: Sep 17 06:09:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:04:35 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) Dibromomethane	7.574	93	2240	0.895	ug/l		94
47) Bromodichloromethane	7.805	83	4167	0.806	ug/l	#	92
48) Methyl methacrylate	7.683	41	3355	0.867	ug/l	#	87
49) 1,4-Dioxane	7.653	88	488m	12.477	ug/l		
51) 4-Methyl-2-Pentanone	8.555	43	17596	4.085	ug/l		95
52) Toluene	8.708	92	7595	0.917	ug/l		92
53) t-1,3-Dichloropropene	8.964	75	4398	0.834	ug/l	#	82
54) cis-1,3-Dichloropropene	8.354	75	4635	0.823	ug/l	#	76
55) 1,1,2-Trichloroethane	9.134	97	2918	0.914	ug/l		95
56) Ethyl methacrylate	9.104	69	3679	0.734	ug/l	#	84
57) 1,3-Dichloropropane	9.293	76	4580	0.835	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.226	63	4222	9.665	ug/l		99
59) 2-Hexanone	9.415	43	12385	4.003	ug/l		98
60) Dibromochloromethane	9.506	129	2903	0.789	ug/l		87
61) 1,2-Dibromoethane	9.592	107	2596	0.798	ug/l		96
64) Tetrachloroethene	9.256	164	2457	0.917	ug/l		83
65) Chlorobenzene	10.061	112	8202	0.879	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.140	131	2684	0.833	ug/l	#	66
67) Ethyl Benzene	10.177	91	13360	0.829	ug/l		98
68) m/p-Xylenes	10.287	106	9922	1.655	ug/l		99
69) o-Xylene	10.622	106	4734	0.816	ug/l		94
70) Styrene	10.640	104	8377	0.824	ug/l		96
71) Bromoform	10.787	173	1816	0.755	ug/l	#	94
73) Isopropylbenzene	10.945	105	12618	0.822	ug/l		96
74) N-amyl acetate	10.829	43	5159	0.737	ug/l		98
75) 1,1,2,2-Tetrachloroethane	11.195	83	3900	0.839	ug/l		96
76) 1,2,3-Trichloropropane	11.225	75	3421m	0.816	ug/l		
77) Bromobenzene	11.183	156	3069	0.811	ug/l		98
78) n-propylbenzene	11.286	91	14866	0.819	ug/l		99
79) 2-Chlorotoluene	11.347	91	9195	0.827	ug/l		99
80) 1,3,5-Trimethylbenzene	11.433	105	9929	0.787	ug/l		99
82) 4-Chlorotoluene	11.439	91	11123	0.847	ug/l		95
83) tert-Butylbenzene	11.695	119	11311	0.876	ug/l		97
84) 1,2,4-Trimethylbenzene	11.731	105	10187	0.796	ug/l		100
85) sec-Butylbenzene	11.872	105	12561	0.819	ug/l		99
86) p-Isopropyltoluene	11.994	119	10744	0.827	ug/l		92
87) 1,3-Dichlorobenzene	11.951	146	5907	0.841	ug/l		98
88) 1,4-Dichlorobenzene	12.024	146	6341m	0.880	ug/l		
89) n-Butylbenzene	12.317	91	9811	0.816	ug/l		97
90) Hexachloroethane	12.524	117	1752	0.768	ug/l		97
91) 1,2-Dichlorobenzene	12.317	146	5491	0.820	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	12.926	75	698	0.742	ug/l		93
93) 1,2,4-Trichlorobenzene	13.567	180	3358	0.772	ug/l		95
94) Hexachlorobutadiene	13.707	225	1378	0.933	ug/l		93
95) Naphthalene	13.756	128	10112	0.763	ug/l		98
96) 1,2,3-Trichlorobenzene	13.944	180	3043	0.752	ug/l		98

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

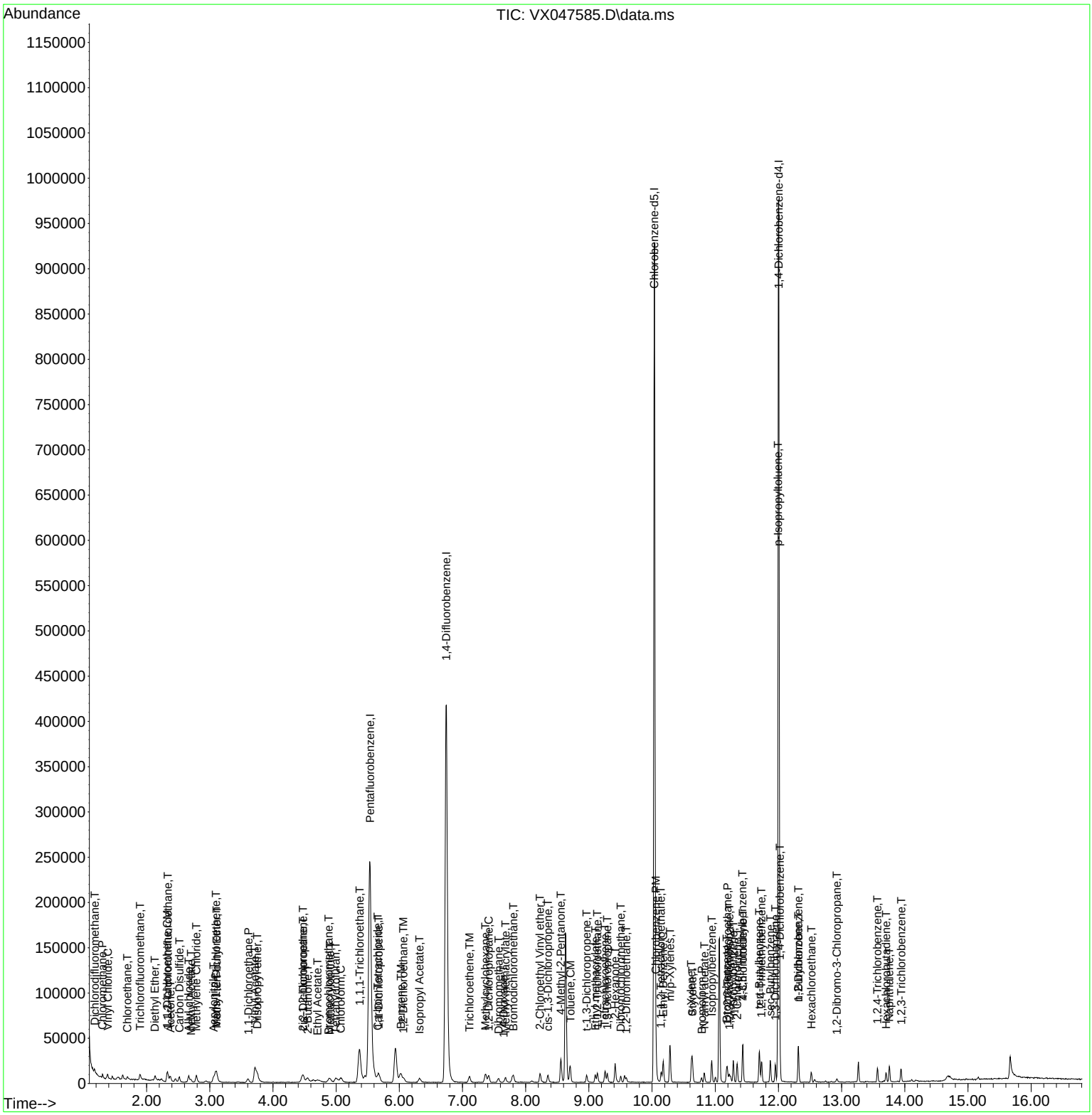
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047585.D
Acq On : 16 Sep 2025 09:23
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

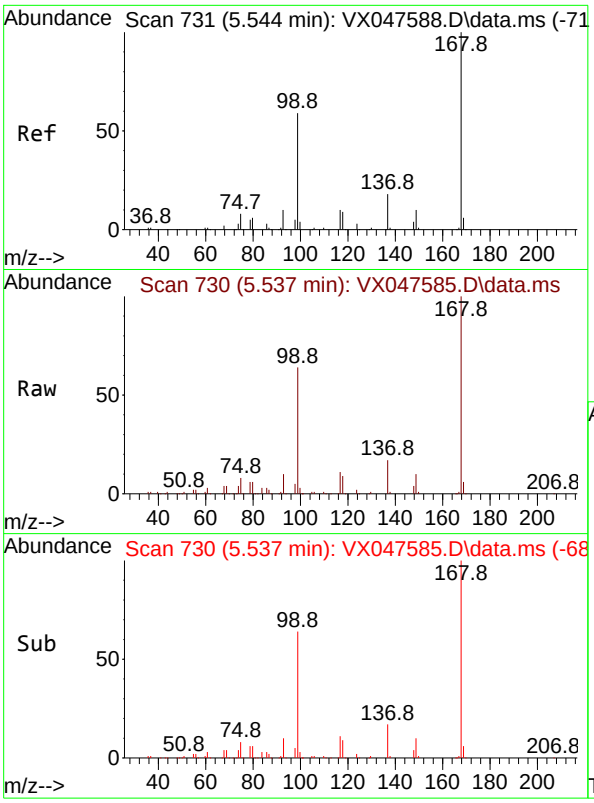
Quant Time: Sep 17 06:09:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:04:35 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

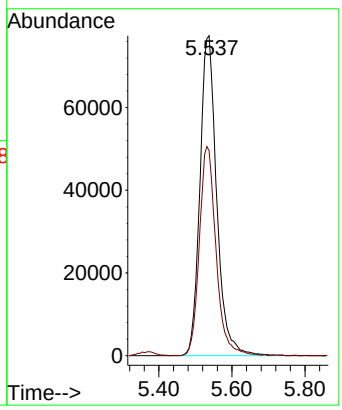




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.537 min Scan# 7
Delta R.T. -0.007 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:168 Resp: 24634

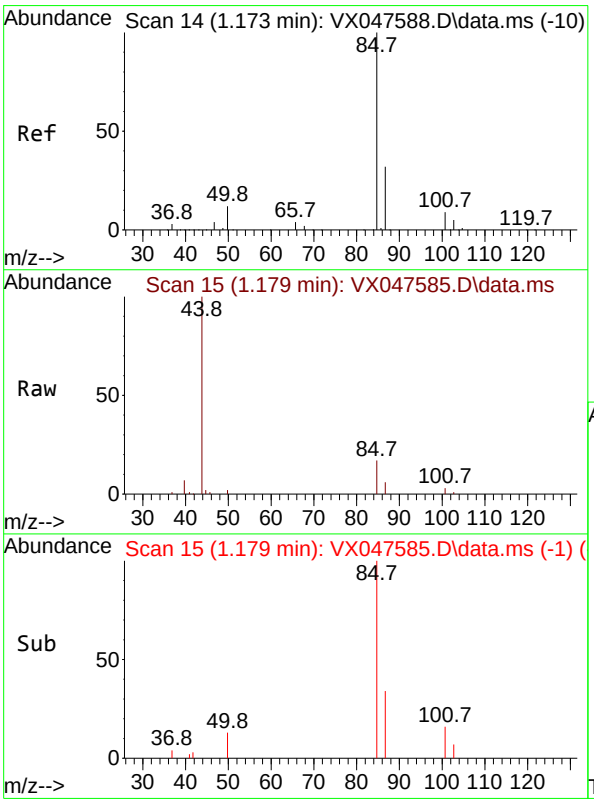
Ion	Ratio	Lower	Upper
168	100		
99	64.0	48.8	73.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

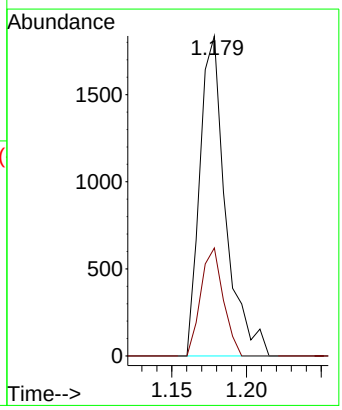
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

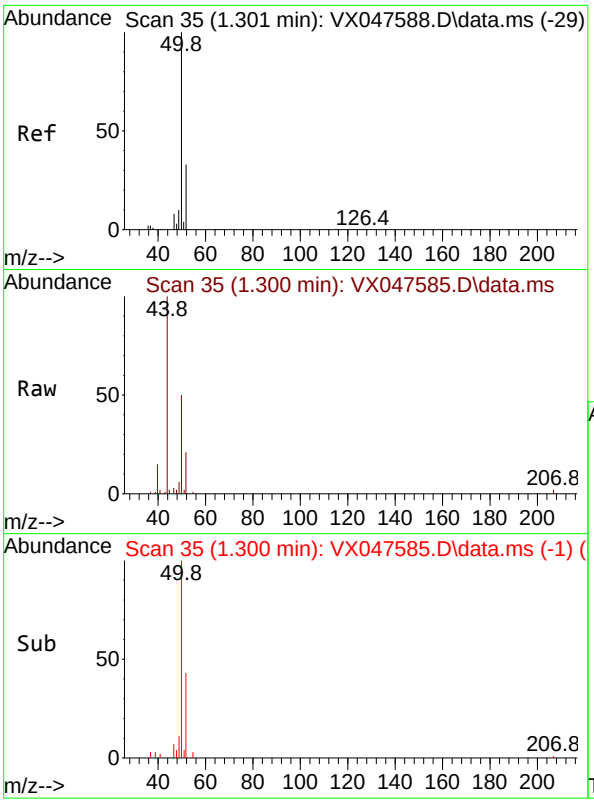


#2
Dichlorodifluoromethane
Concen: 0.863 ug/l
RT: 1.179 min Scan# 15
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 85 Resp: 2201

Ion	Ratio	Lower	Upper
85	100		
87	33.8	15.8	47.3

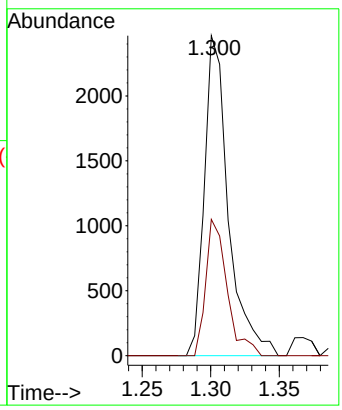




#3
Chloromethane
Concen: 0.897 ug/l
RT: 1.300 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 50 Resp: 300

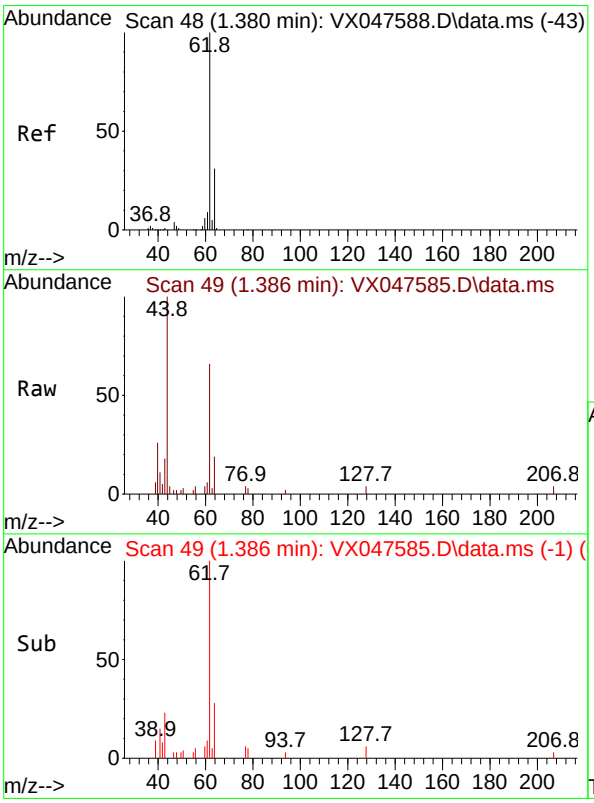
Ion	Ratio	Lower	Upper
50	100		
52	42.6	26.1	39.1#



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

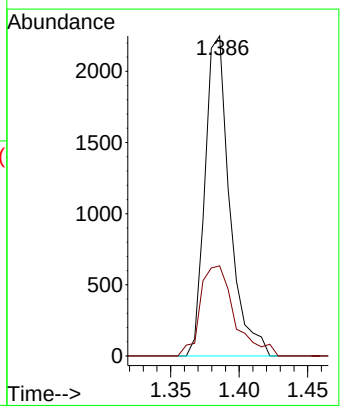
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

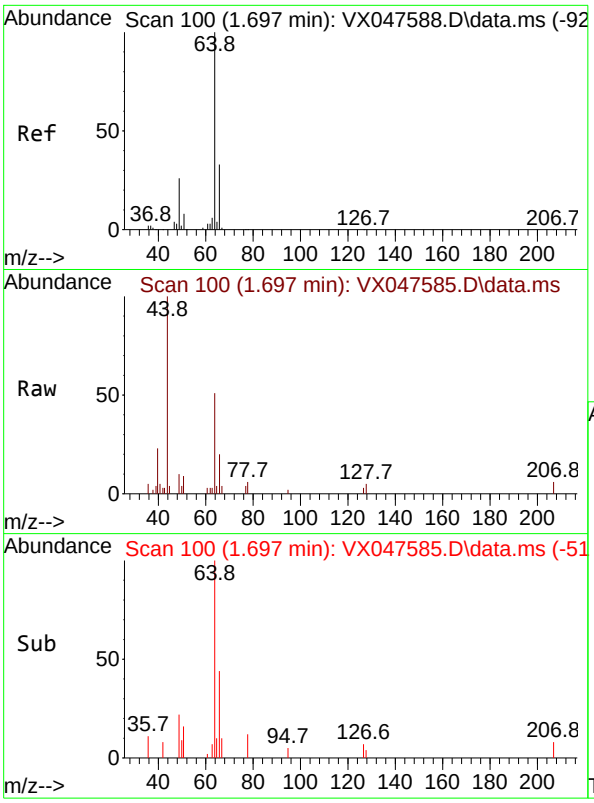


#4
Vinyl Chloride
Concen: 0.859 ug/l
RT: 1.386 min Scan# 49
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 62 Resp: 2818

Ion	Ratio	Lower	Upper
62	100		
64	28.2	24.9	37.3

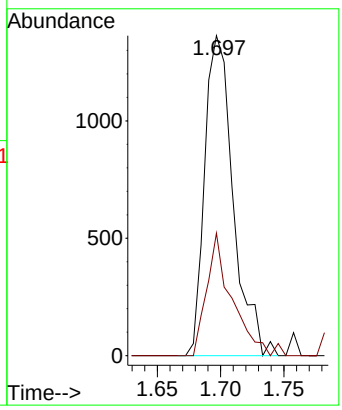




#6
Chloroethane
Concen: 0.973 ug/l
RT: 1.697 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 64 Resp: 213

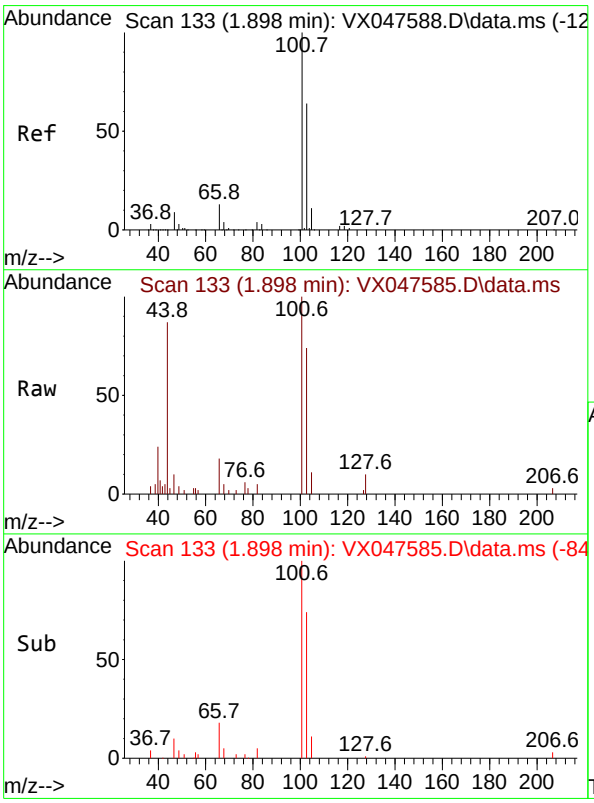
Ion	Ratio	Lower	Upper
64	100		
66	35.4	26.1	39.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

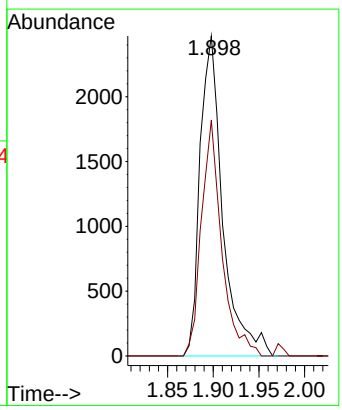
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

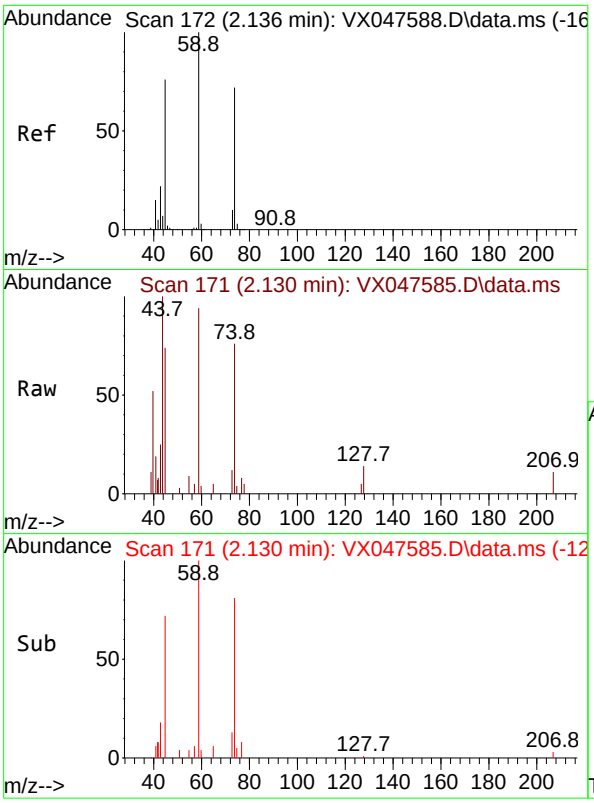


#7
Trichlorofluoromethane
Concen: 0.874 ug/l
RT: 1.898 min Scan# 133
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:101 Resp: 4261

Ion	Ratio	Lower	Upper
101	100		
103	73.7	51.4	77.2





#8
Diethyl Ether
Concen: 0.919 ug/l
RT: 2.130 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

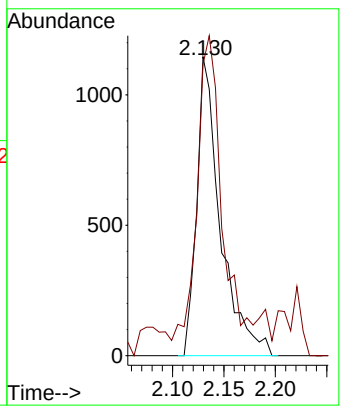
Tgt Ion: 74 Resp: 183

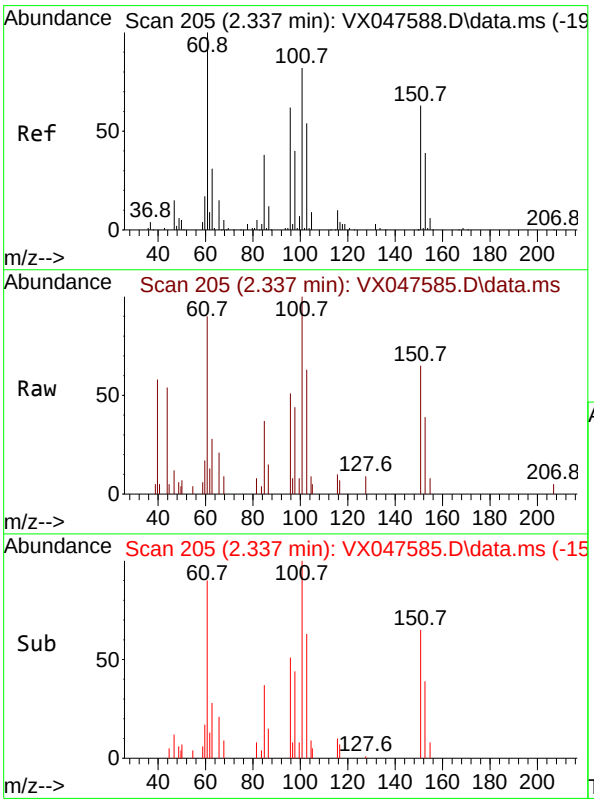
Ion	Ratio	Lower	Upper
74	100		
45	102.2	52.3	156.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

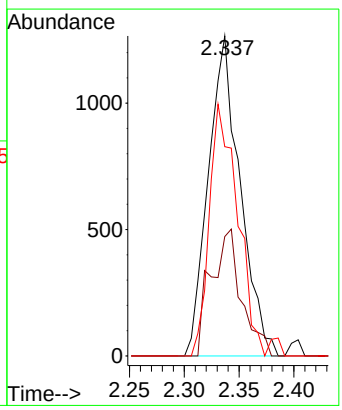


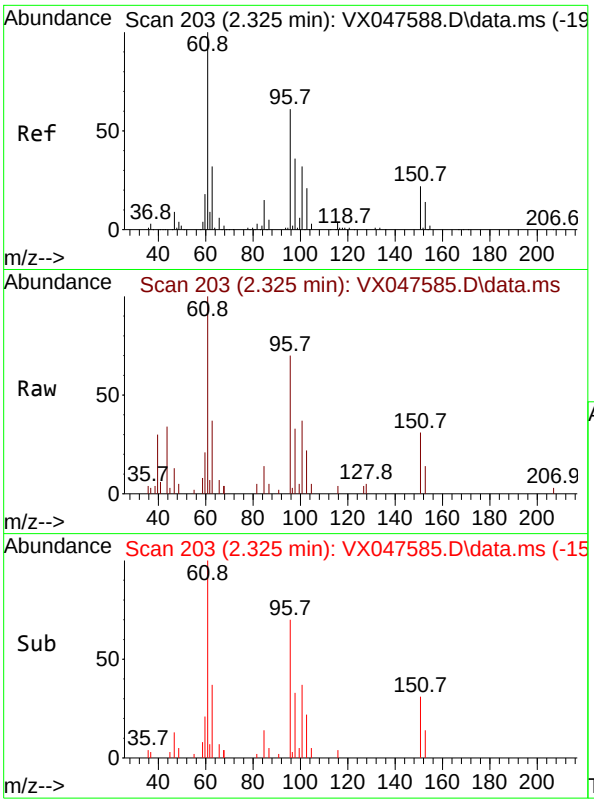


#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.897 ug/l
RT: 2.337 min Scan# 205
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:101 Resp: 2555

Ion	Ratio	Lower	Upper
101	100		
85	37.8	35.5	53.3
151	69.9	59.4	89.0

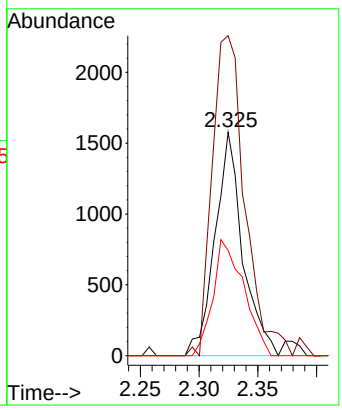




#12
1,1-Dichloroethene
Concen: 0.886 ug/l
RT: 2.325 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 96 Resp: 259

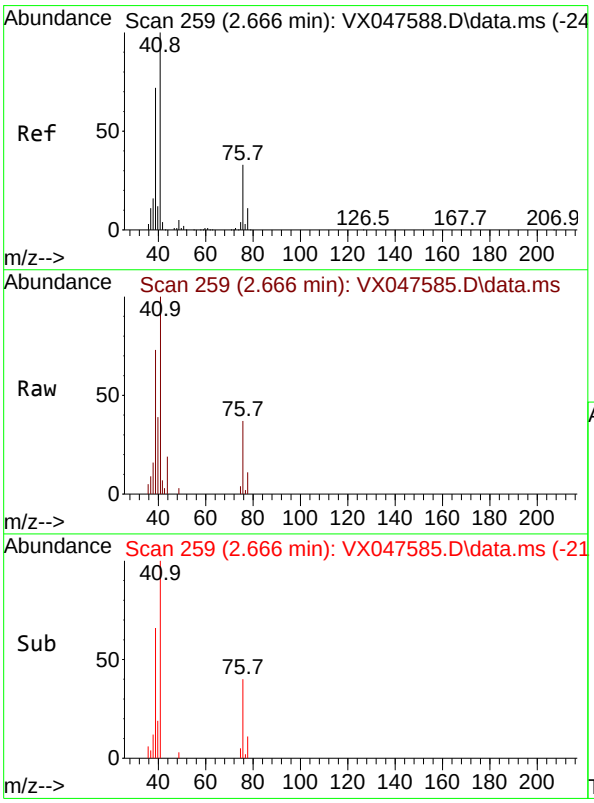
Ion	Ratio	Lower	Upper
96	100		
61	137.3	131.0	196.6
98	45.2	47.7	71.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

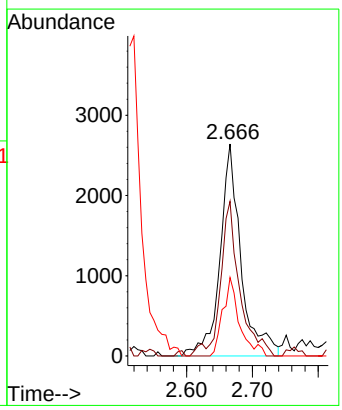
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

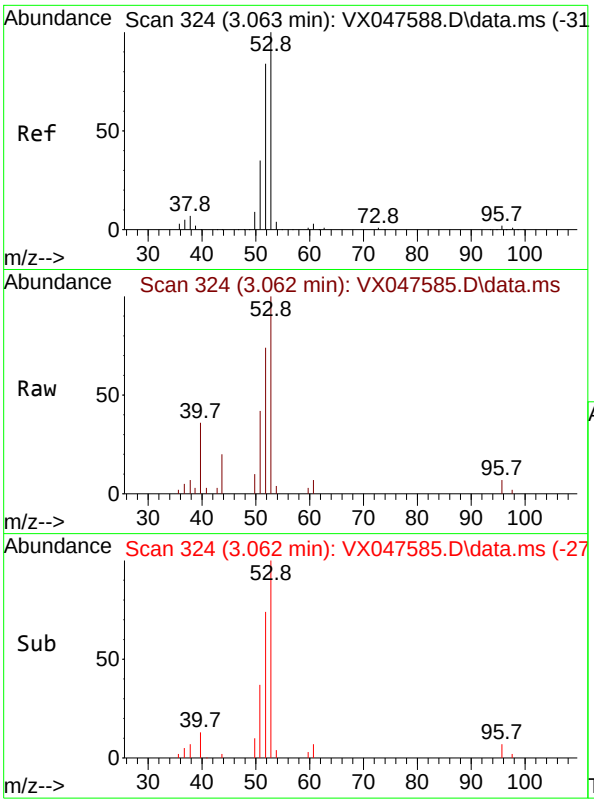


#14
Allyl chloride
Concen: 0.974 ug/l
RT: 2.666 min Scan# 259
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 41 Resp: 5885

Ion	Ratio	Lower	Upper
41	100		
39	63.3	54.7	82.1
76	29.3	25.7	38.5

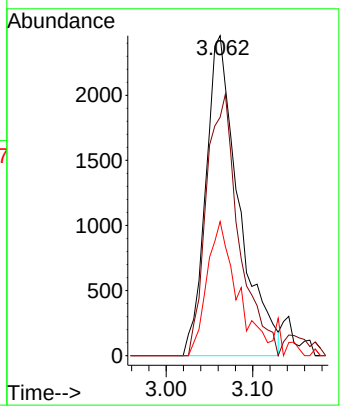




#15
Acrylonitrile
Concen: 4.018 ug/l
RT: 3.062 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 53 Resp: 650

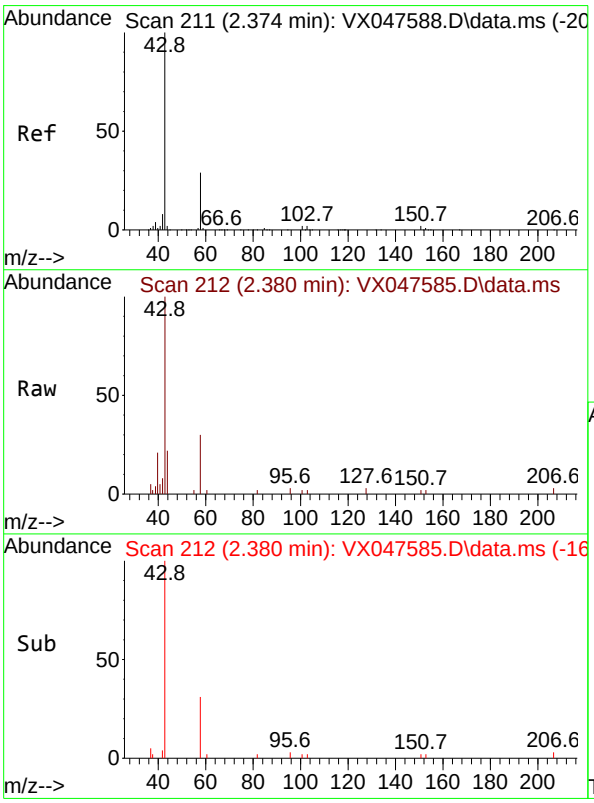
Ion	Ratio	Lower	Upper
53	100		
52	80.3	66.4	99.6
51	38.7	29.5	44.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

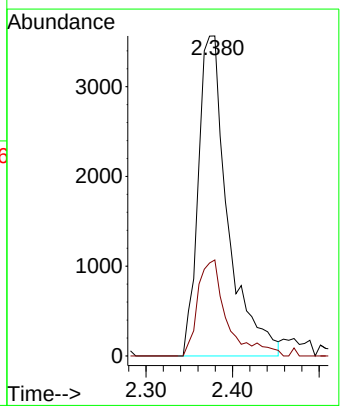
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

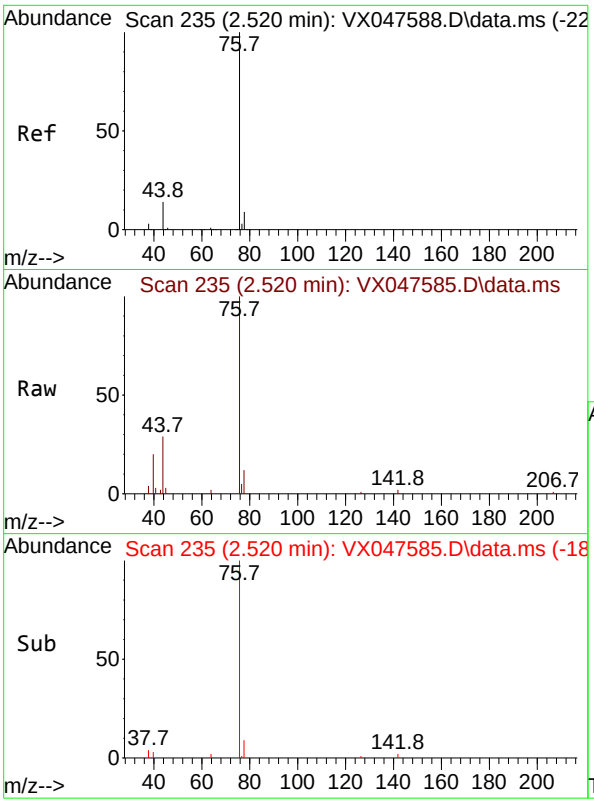


#16
Acetone
Concen: 4.953 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 43 Resp: 8444

Ion	Ratio	Lower	Upper
43	100		
58	30.0	23.4	35.0





#17
Carbon Disulfide
Concen: 0.956 ug/l
RT: 2.520 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

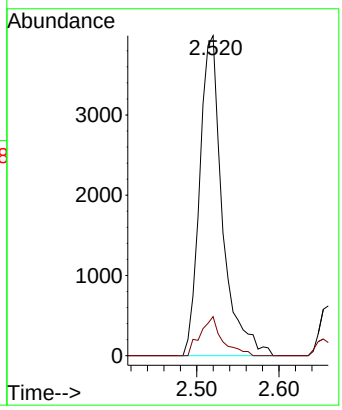
Tgt Ion: 76 Resp: 766

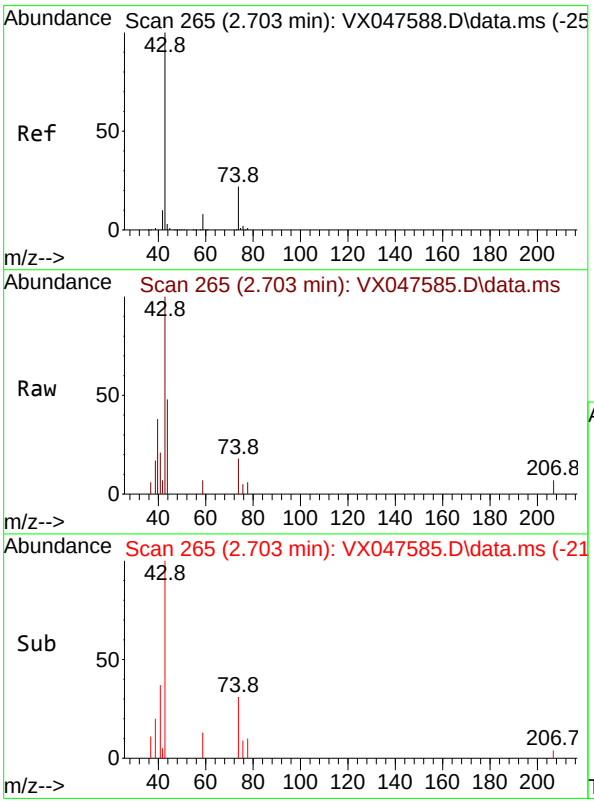
Ion	Ratio	Lower	Upper
76	100		
78	11.6	6.8	10.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

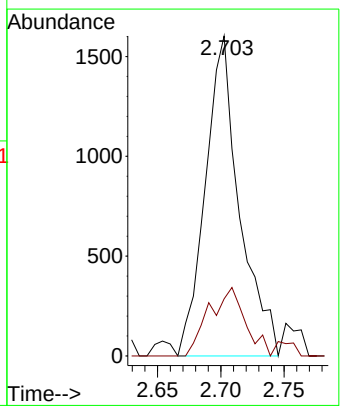


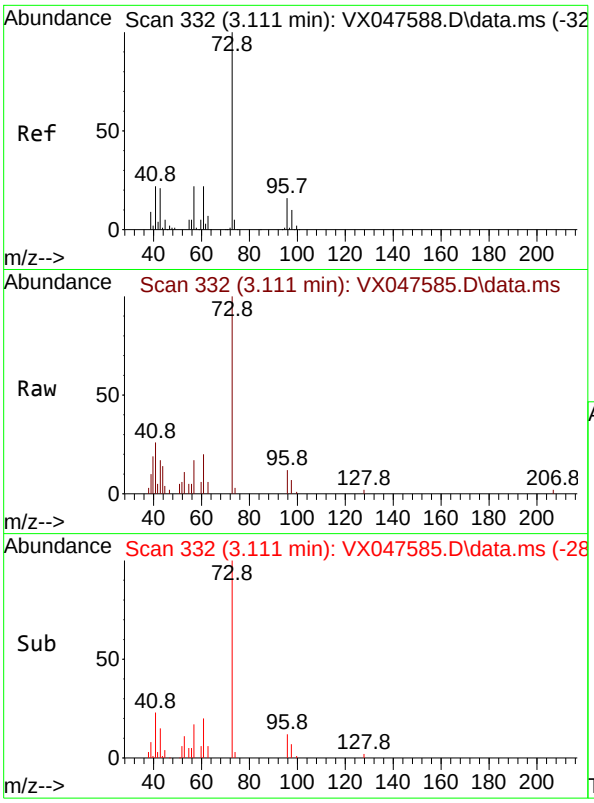


#18
Methyl Acetate
Concen: 0.794 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 43 Resp: 3013

Ion	Ratio	Lower	Upper
43	100		
74	22.7	17.4	26.2





#19
Methyl tert-butyl Ether
Concen: 0.869 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

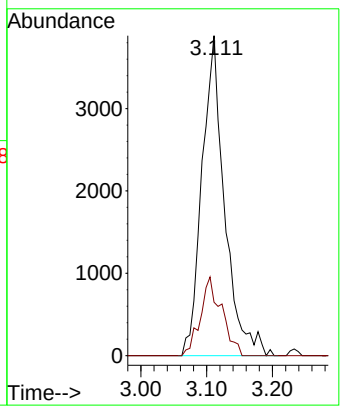
Tgt Ion: 73 Resp: 928

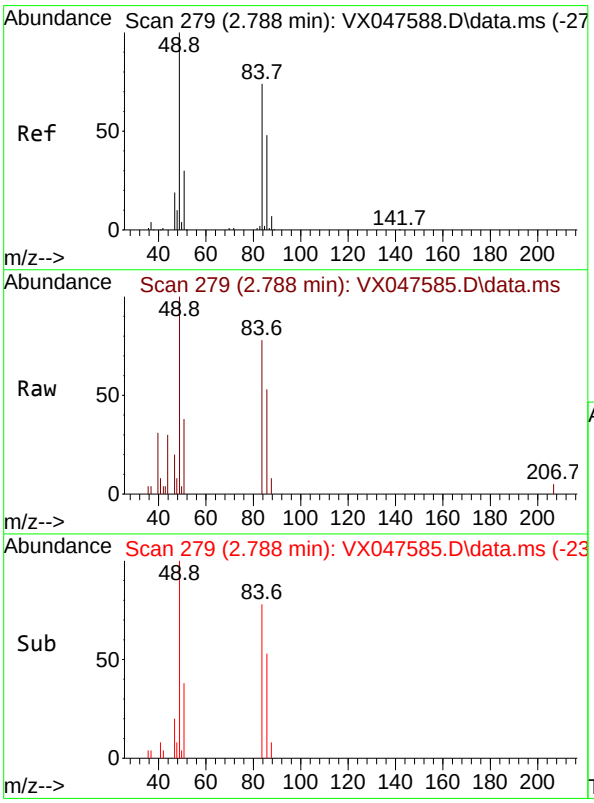
Ion	Ratio	Lower	Upper
73	100		
57	16.7	17.4	26.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

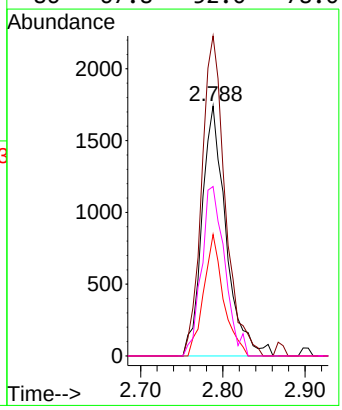


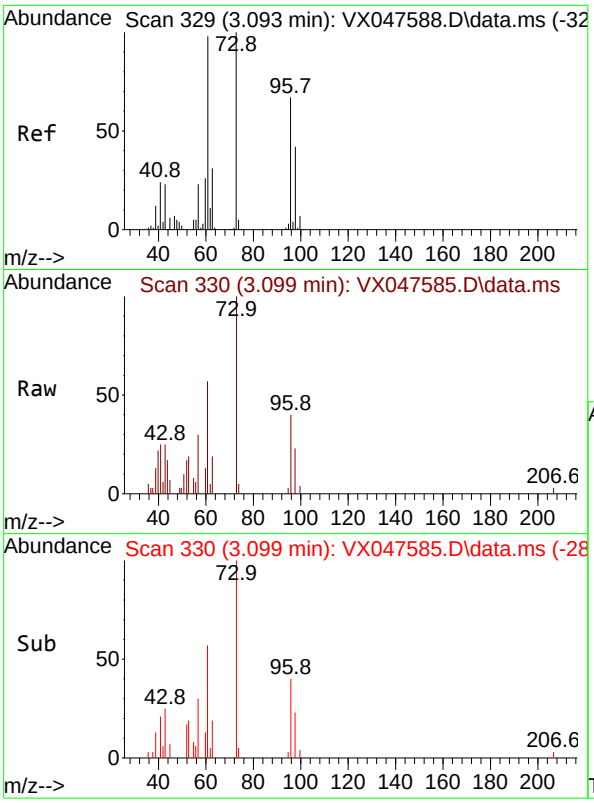


#20
Methylene Chloride
Concen: 0.981 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 84 Resp: 3540

Ion	Ratio	Lower	Upper
84	100		
49	128.0	108.6	162.8
51	48.6	32.6	48.8
86	67.8	52.0	78.0

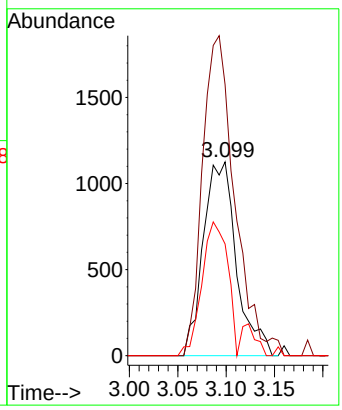




#21
trans-1,2-Dichloroethene
Concen: 0.849 ug/l
RT: 3.099 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 96 Resp: 267

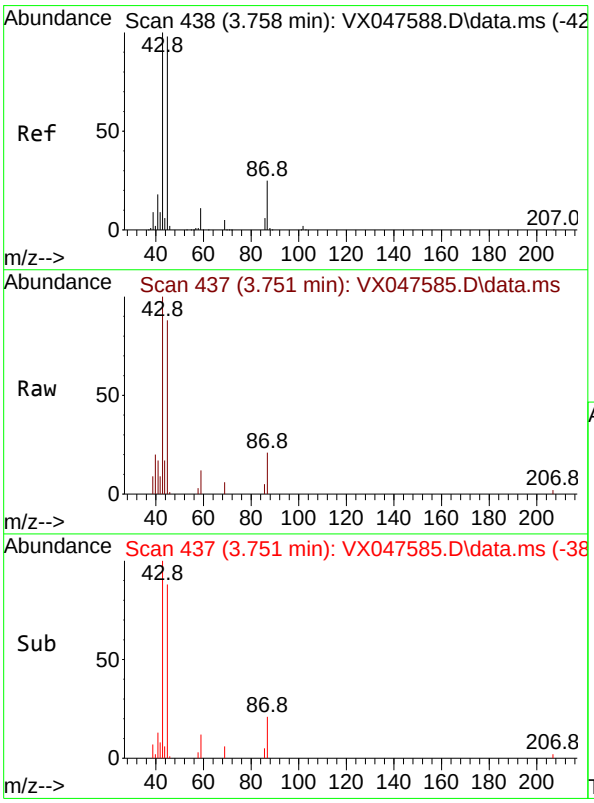
Ion	Ratio	Lower	Upper
96	100		
61	139.9	116.2	174.2
98	57.6	49.3	73.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

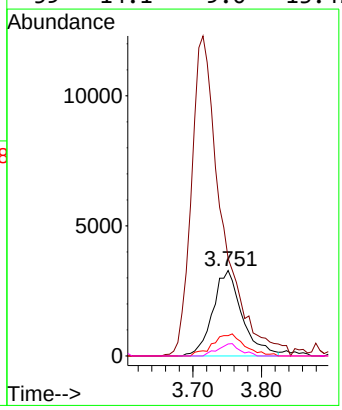
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

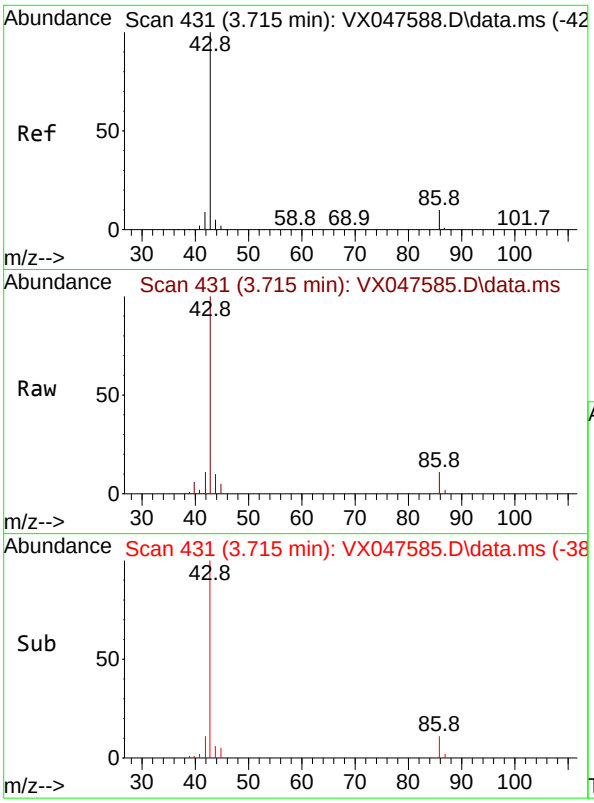


#22
Diisopropyl ether
Concen: 0.832 ug/l
RT: 3.751 min Scan# 437
Delta R.T. -0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 45 Resp: 9738

Ion	Ratio	Lower	Upper
45	100		
43	117.9	81.0	121.4
87	23.7	20.3	30.5
59	14.1	9.0	13.4#





#23
Vinyl Acetate
Concen: 4.052 ug/l
RT: 3.715 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

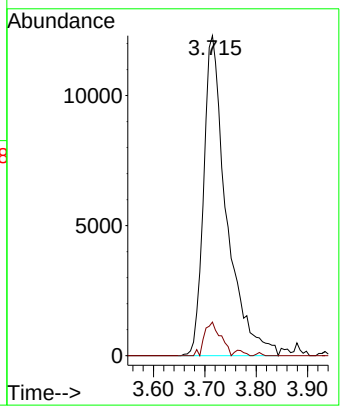
Tgt Ion: 43 Resp: 3796

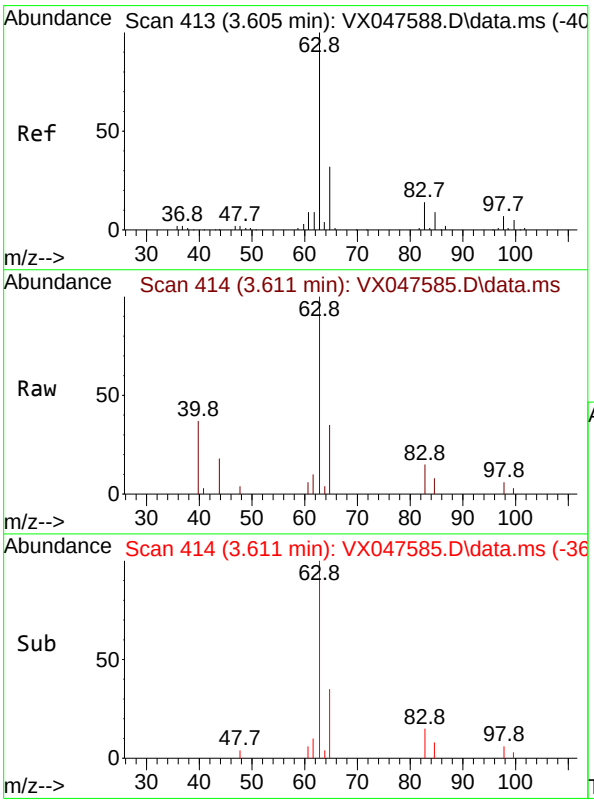
Ion	Ratio	Lower	Upper
43	100		
86	10.9	7.8	11.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

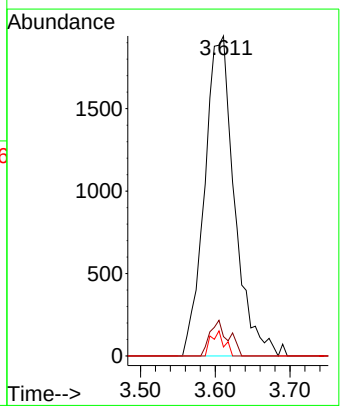


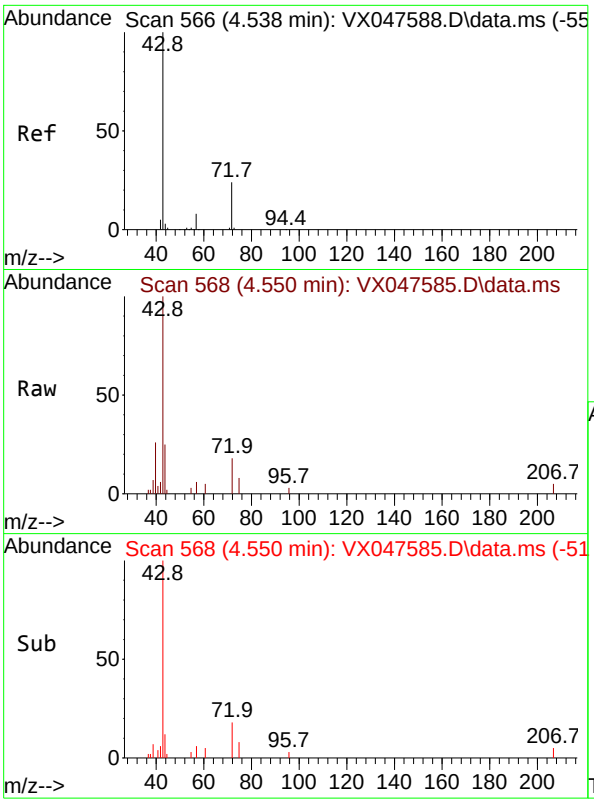


#24
1,1-Dichloroethane
Concen: 0.863 ug/l
RT: 3.611 min Scan# 414
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 63 Resp: 5372

Ion	Ratio	Lower	Upper
63	100		
98	6.1	3.8	11.2
100	2.8	2.3	6.9





#25
2-Butanone
Concen: 4.281 ug/l
RT: 4.550 min Scan# 5
Delta R.T. 0.012 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

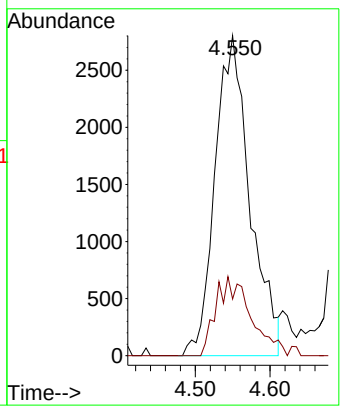
Tgt Ion: 43 Resp: 910

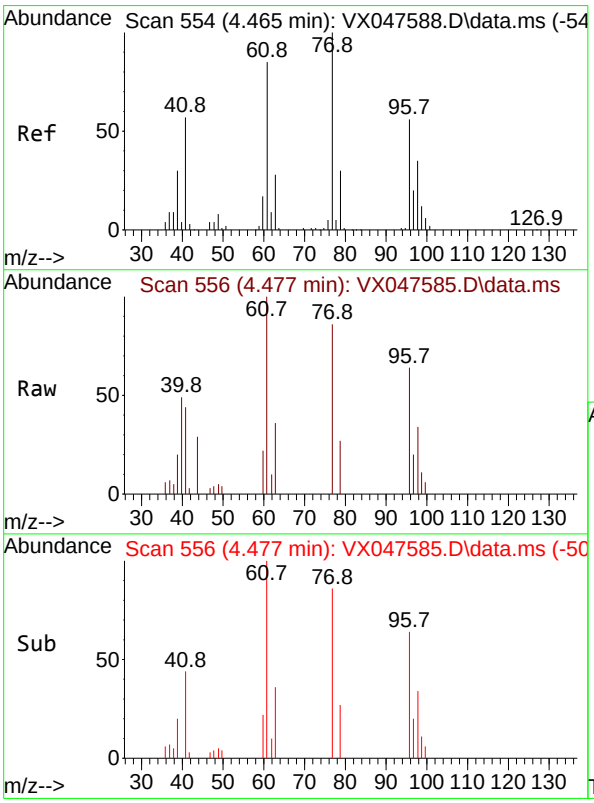
Ion	Ratio	Lower	Upper
43	100		
72	16.3	20.1	30.1#

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

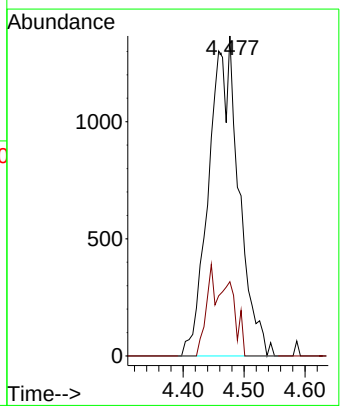


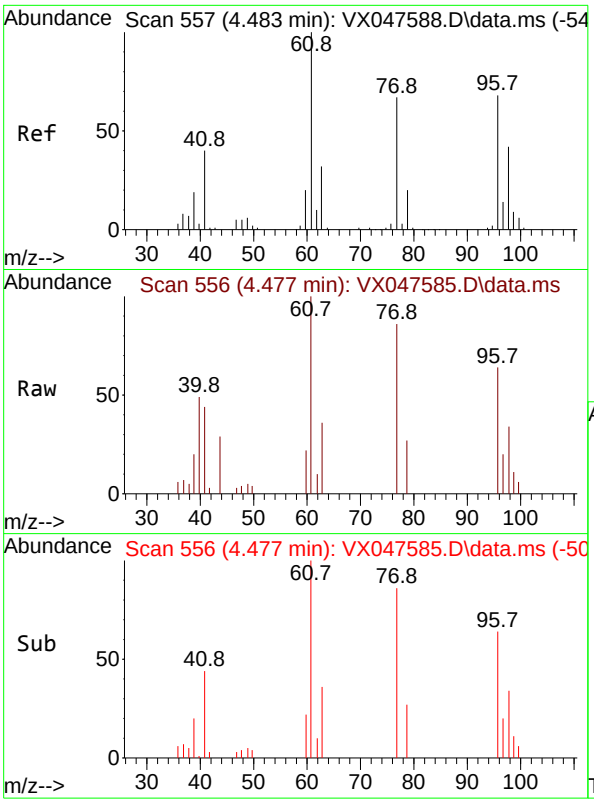


#26
2,2-Dichloropropane
Concen: 0.901 ug/l
RT: 4.477 min Scan# 556
Delta R.T. 0.012 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 77 Resp: 4657

Ion	Ratio	Lower	Upper
77	100		
97	11.0	10.9	32.7

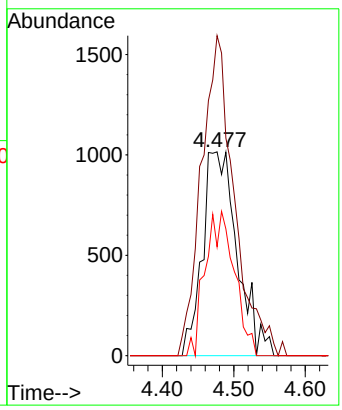




#27
cis-1,2-Dichloroethene
Concen: 0.891 ug/l
RT: 4.477 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 96 Resp: 344

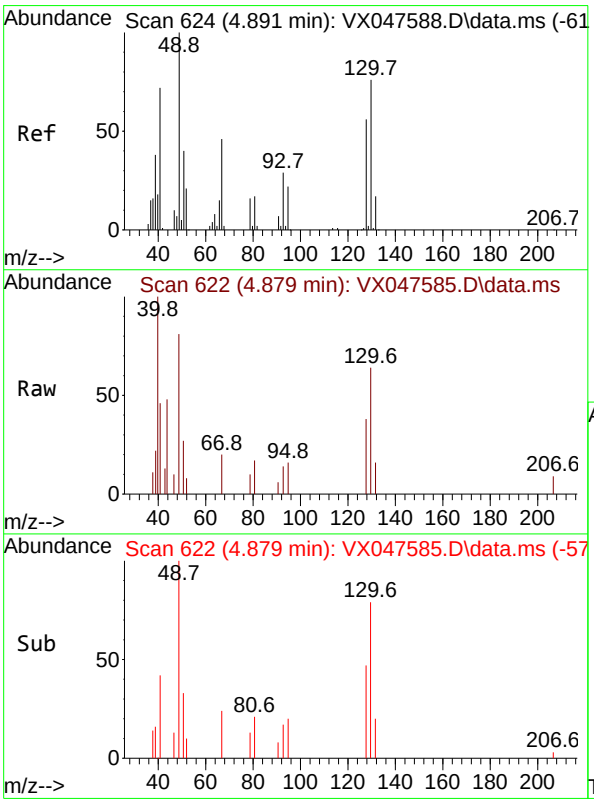
Ion	Ratio	Lower	Upper
96	100		
61	147.4	0.0	303.2
98	59.4	0.0	127.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

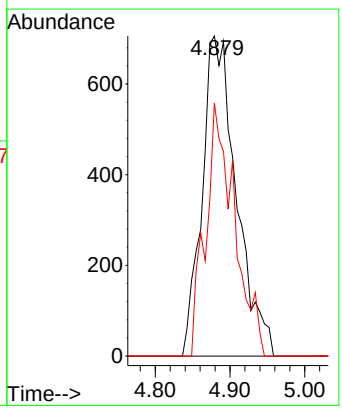
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

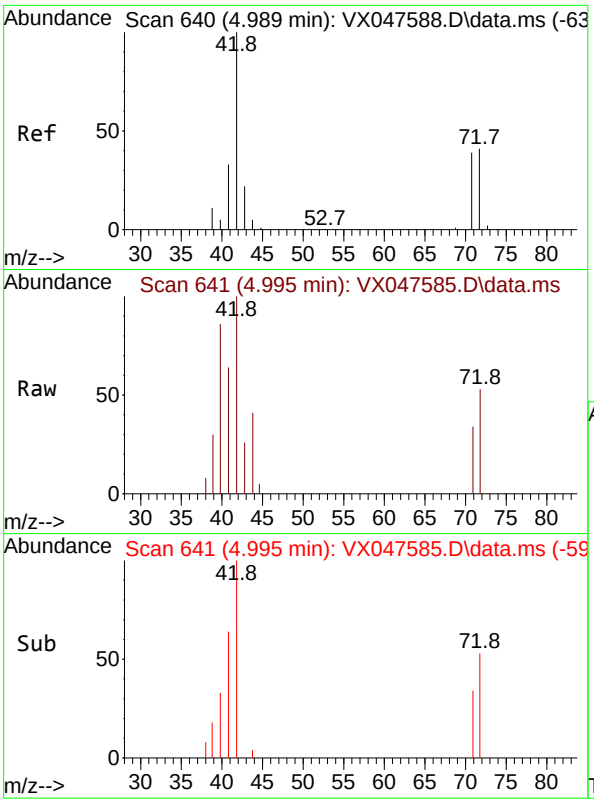


#28
Bromochloromethane
Concen: 0.829 ug/l
RT: 4.879 min Scan# 622
Delta R.T. -0.012 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 49 Resp: 2251

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.2
130	66.2	57.8	86.8

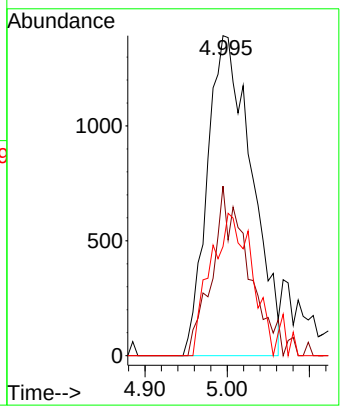




#29
Tetrahydrofuran
Concen: 4.072 ug/l
RT: 4.995 min Scan# 6
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 42 Resp: 521

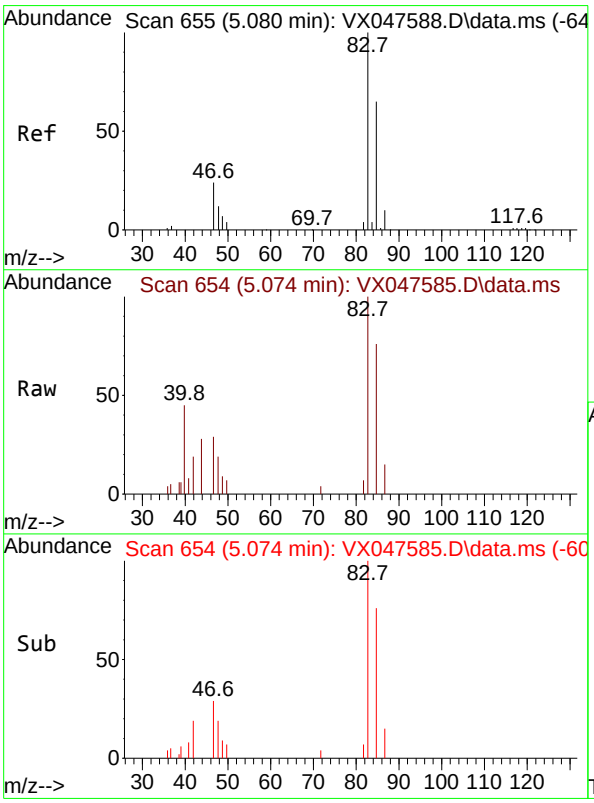
Ion	Ratio	Lower	Upper
42	100		
72	44.1	34.2	51.2
71	41.3	31.9	47.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

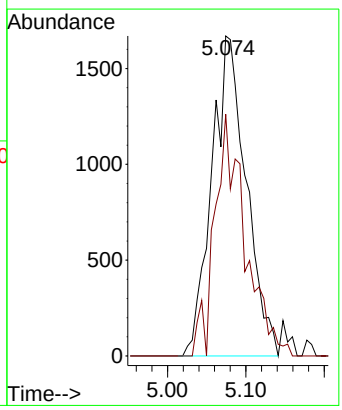
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

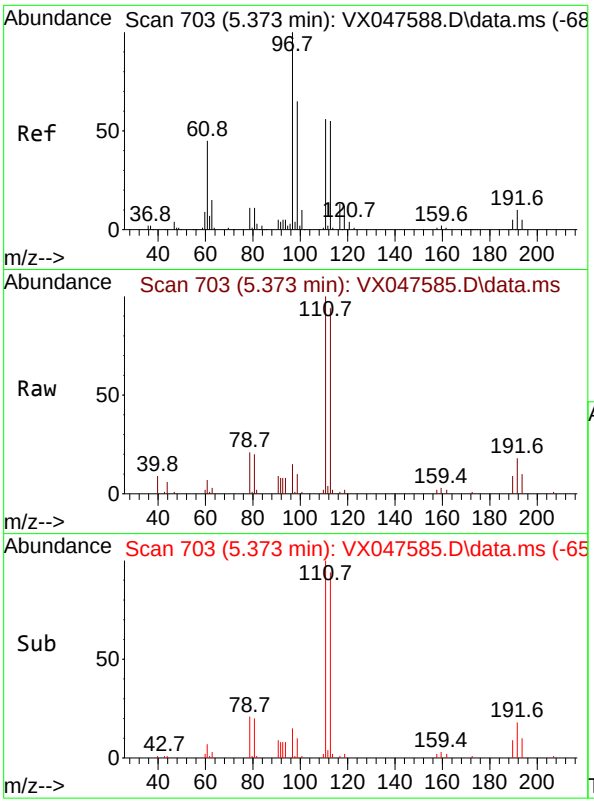


#30
Chloroform
Concen: 0.810 ug/l
RT: 5.074 min Scan# 654
Delta R.T. -0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 83 Resp: 5093

Ion	Ratio	Lower	Upper
83	100		
85	75.6	51.8	77.6

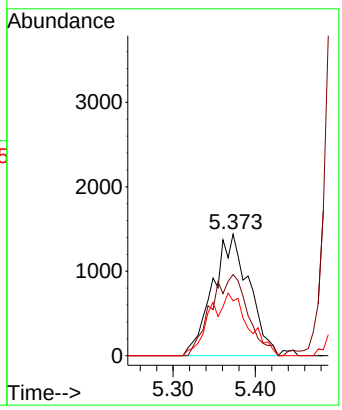




#32
1,1,1-Trichloroethane
Concen: 0.832 ug/l
RT: 5.373 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 97 Resp: 443

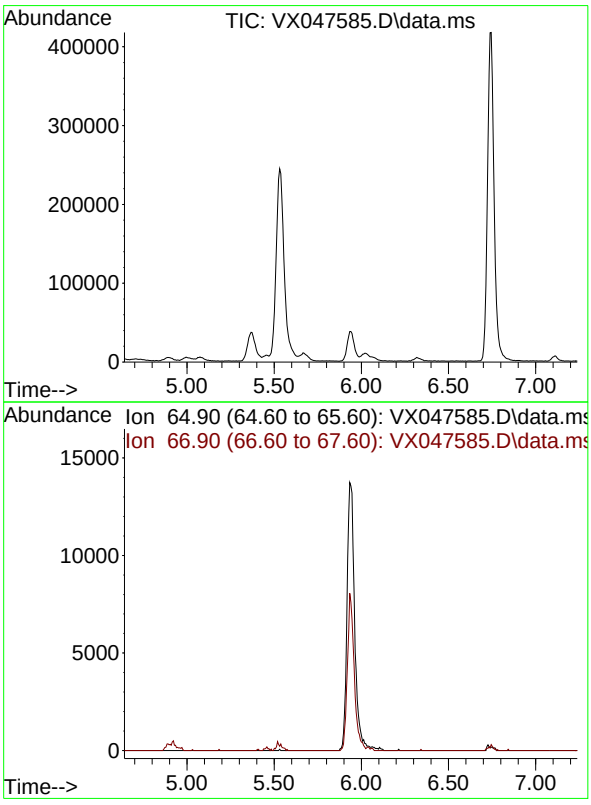
Ion	Ratio	Lower	Upper
97	100		
99	0.0	50.6	76.0
61	36.2	35.8	53.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

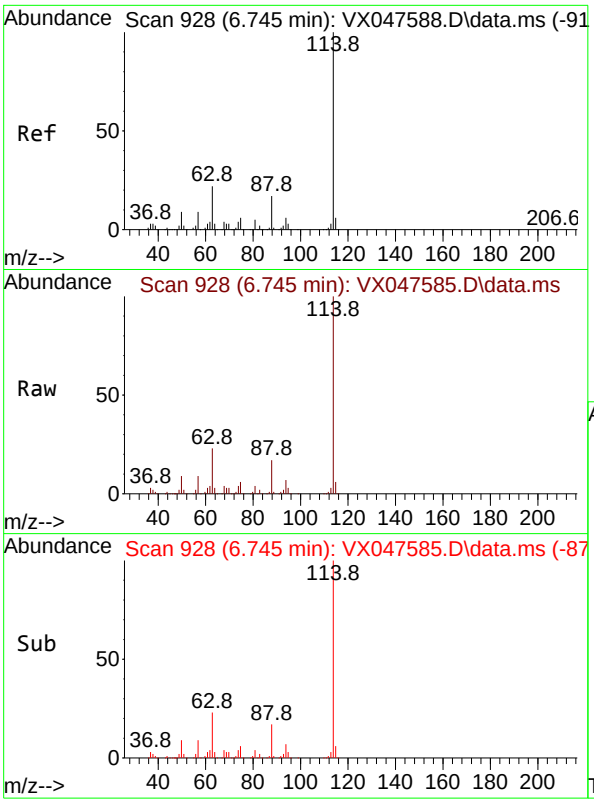


#33
1,2-Dichloroethane-d4
Concen: 0.000 ug/l
Expected RT: 5.94 min

Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 65

Sig	Exp Ratio
65	100
67	51.5



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

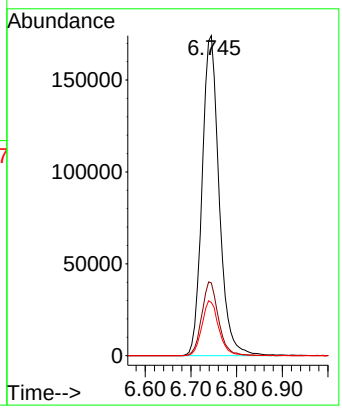
Tgt Ion:114 Resp: 45150

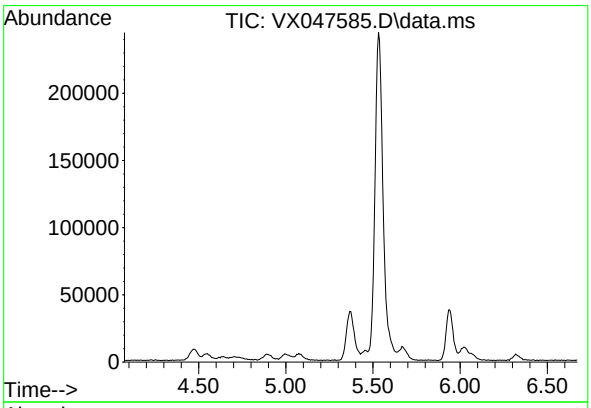
Ion	Ratio	Lower	Upper
114	100		
63	22.8	0.0	44.0
88	16.6	0.0	34.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025



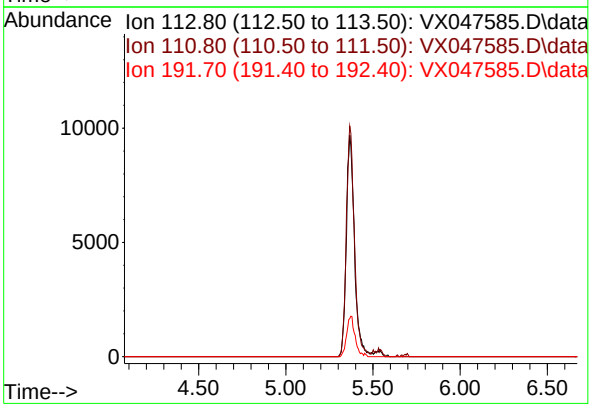


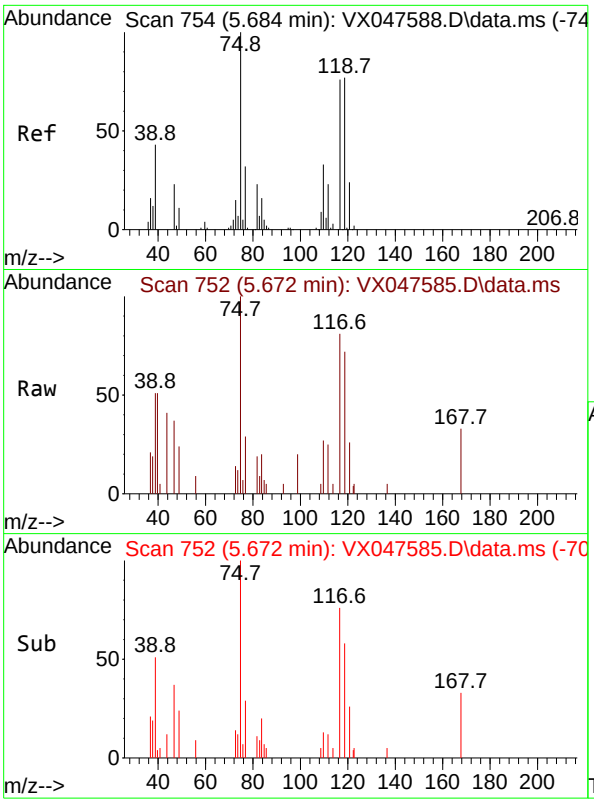
#35
Dibromofluoromethane
Concen: 0.000 ug/l
Expected RT: 5.37 min

Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 113

Sig	Exp Ratio
113	100
111	101.1
192	17.8

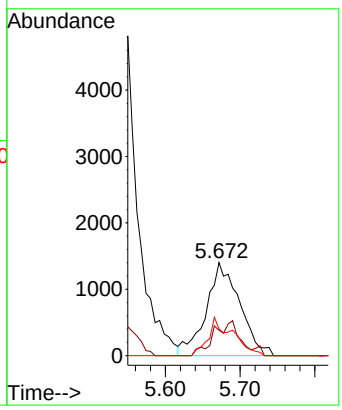




#36
1,1-Dichloropropene
Concen: 0.988 ug/l
RT: 5.672 min Scan# 7
Delta R.T. -0.012 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 75 Resp: 437

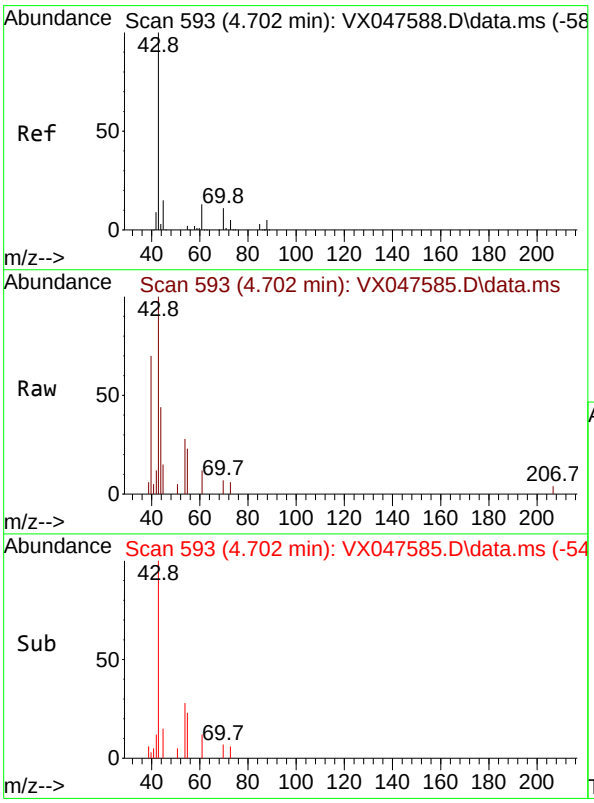
Ion	Ratio	Lower	Upper
75	100		
110	0.0	16.7	50.1#
77	30.0	24.3	36.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

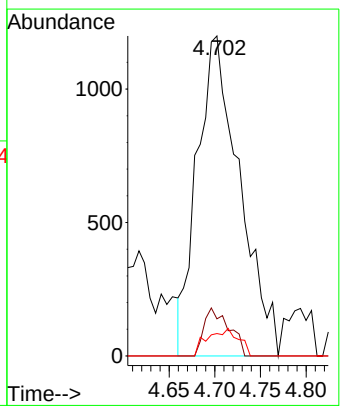
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

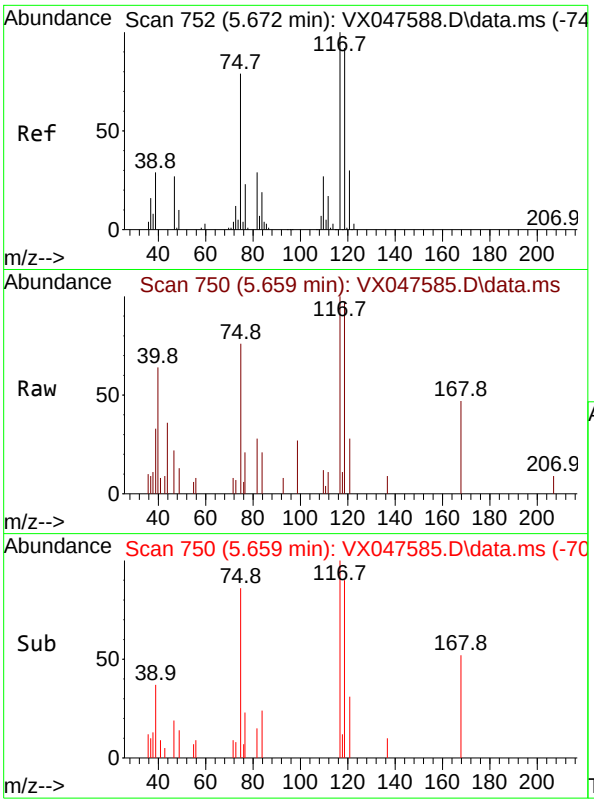


#37
Ethyl Acetate
Concen: 0.818 ug/l
RT: 4.702 min Scan# 593
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 43 Resp: 3873

Ion	Ratio	Lower	Upper
43	100		
61	8.9	9.8	14.8#
70	6.2	7.9	11.9#

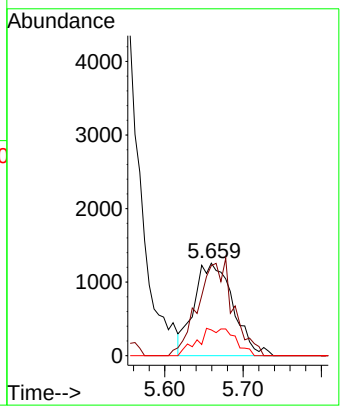




#38
Carbon Tetrachloride
Concen: 0.905 ug/l
RT: 5.659 min Scan# 7
Delta R.T. -0.012 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:117 Resp: 434

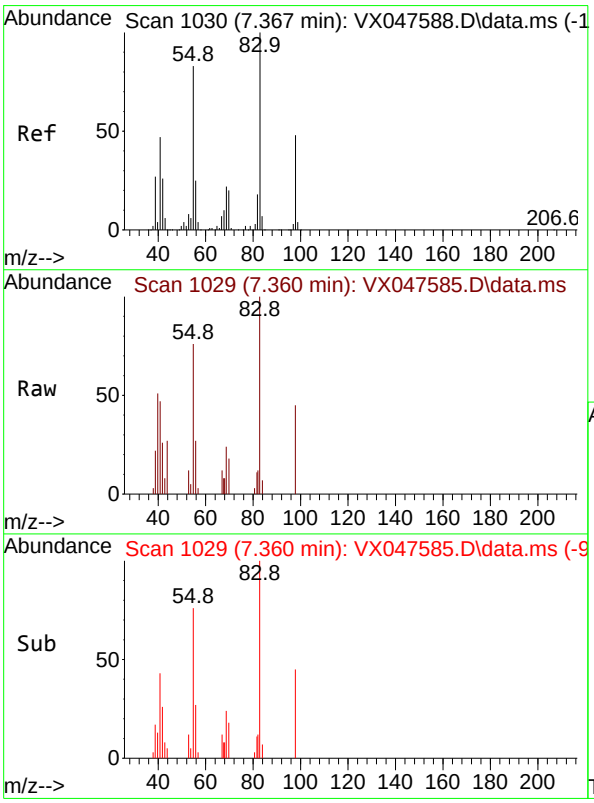
Ion	Ratio	Lower	Upper
117	100		
119	97.3	73.4	110.2
121	27.8	23.8	35.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

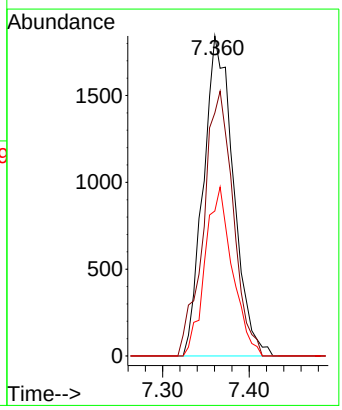
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

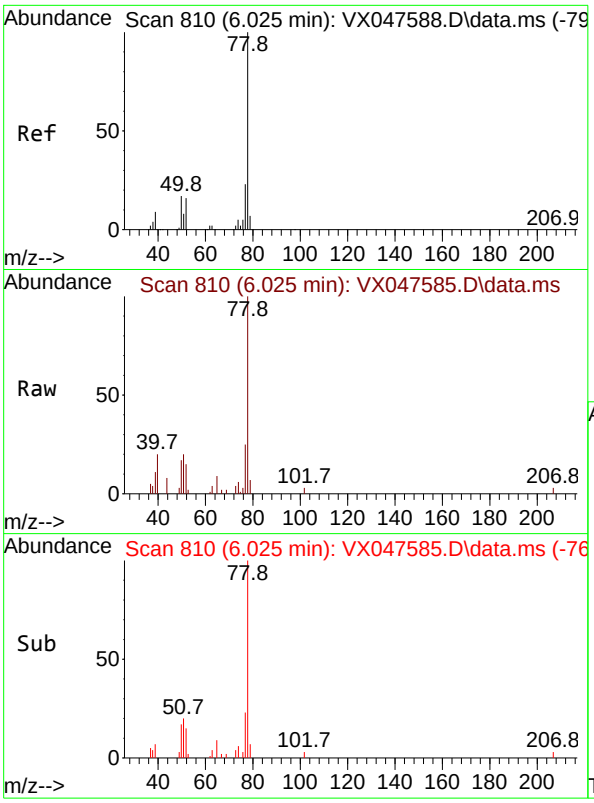


#39
Methylcyclohexane
Concen: 0.882 ug/l
RT: 7.360 min Scan# 1029
Delta R.T. -0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 83 Resp: 4428

Ion	Ratio	Lower	Upper
83	100		
55	76.0	66.4	99.6
98	45.3	38.1	57.1





#40
Benzene
Concen: 0.894 ug/l
RT: 6.025 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

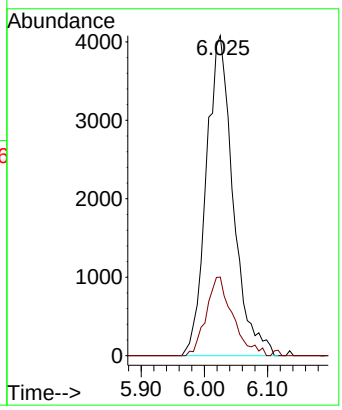
Tgt Ion: 78 Resp: 1201

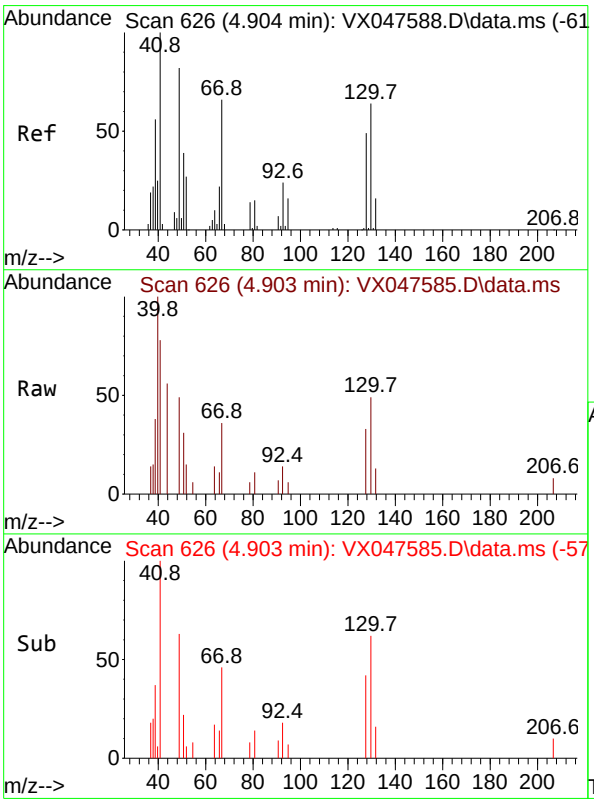
Ion	Ratio	Lower	Upper
78	100		
77	24.5	18.8	28.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

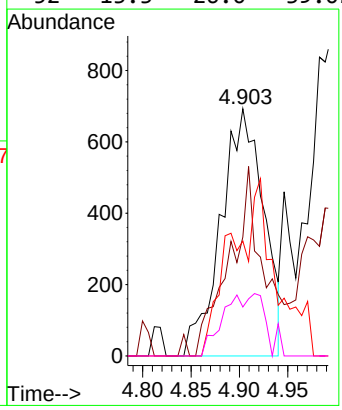


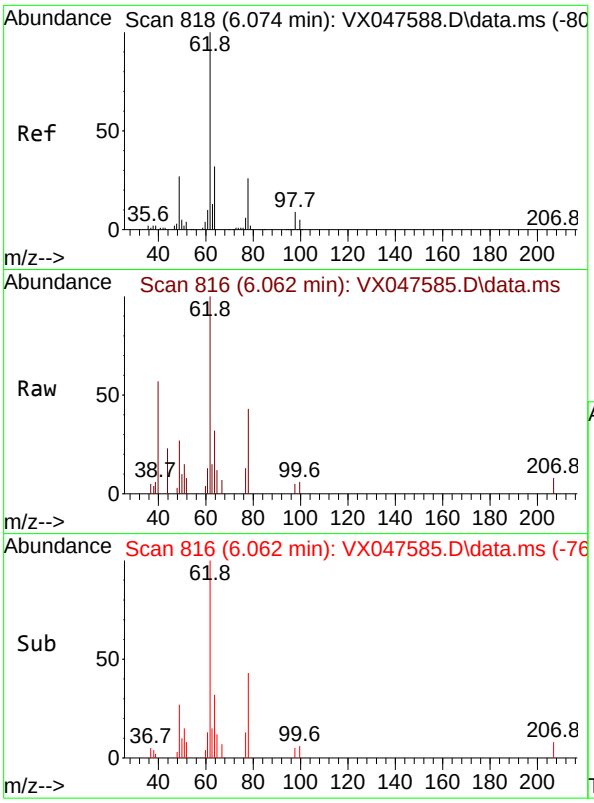


#41
Methacrylonitrile
Concen: 0.870 ug/l
RT: 4.903 min Scan# 626
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 41 Resp: 2128

Ion	Ratio	Lower	Upper
41	100		
39	60.3	43.3	64.9
67	23.5	58.6	87.8#
52	13.3	26.0	39.0#

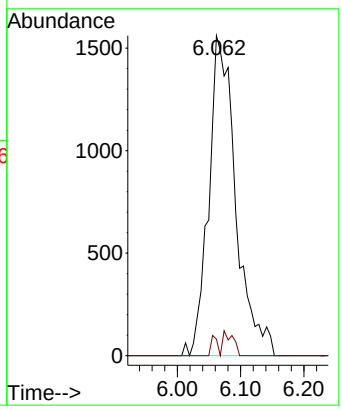




#42
1,2-Dichloroethane
Concen: 0.906 ug/l
RT: 6.062 min Scan# 81
Delta R.T. -0.012 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 62 Resp: 463

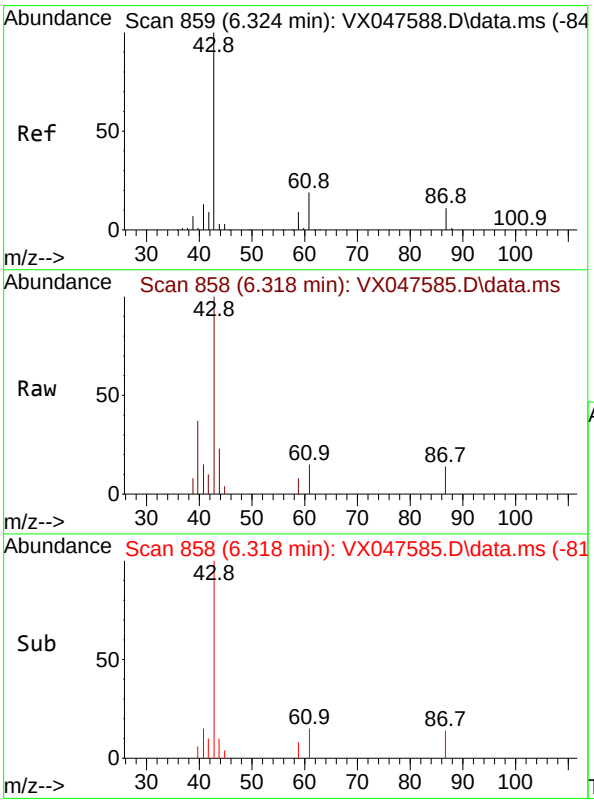
Ion	Ratio	Lower	Upper
62	100		
98	1.4	0.0	17.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

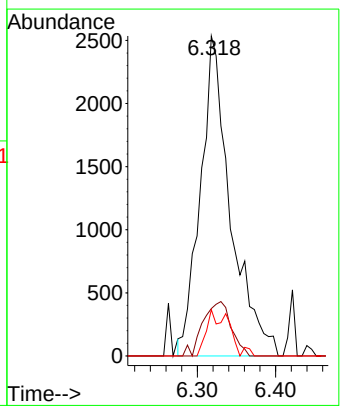
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

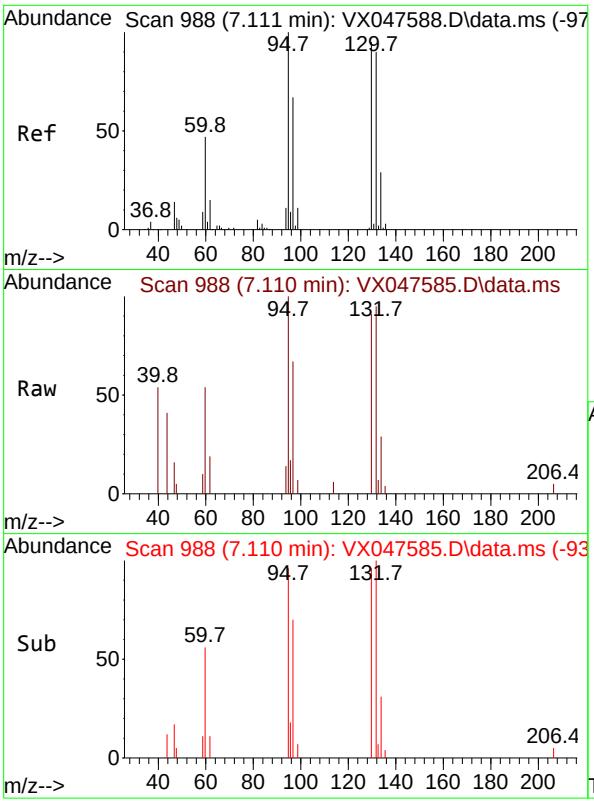


#43
Isopropyl Acetate
Concen: 0.873 ug/l
RT: 6.318 min Scan# 858
Delta R.T. -0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 43 Resp: 6784

Ion	Ratio	Lower	Upper
43	100		
61	15.9	15.2	22.8
87	10.1	9.6	14.4

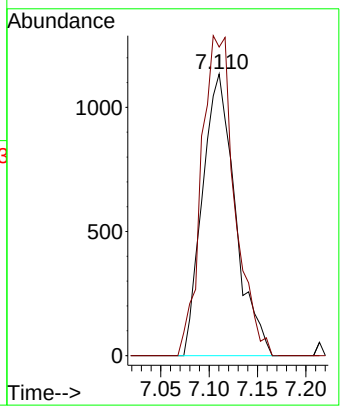




#44
Trichloroethene
Concen: 0.824 ug/l
RT: 7.110 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:130 Resp: 267

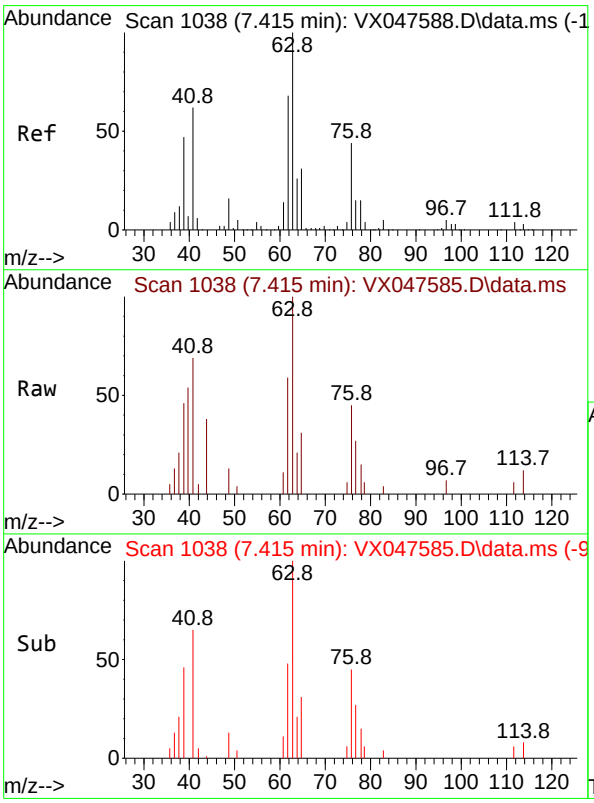
Ion	Ratio	Lower	Upper
130	100		
95	127.9	0.0	210.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

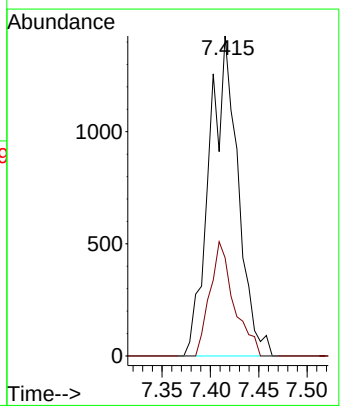
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

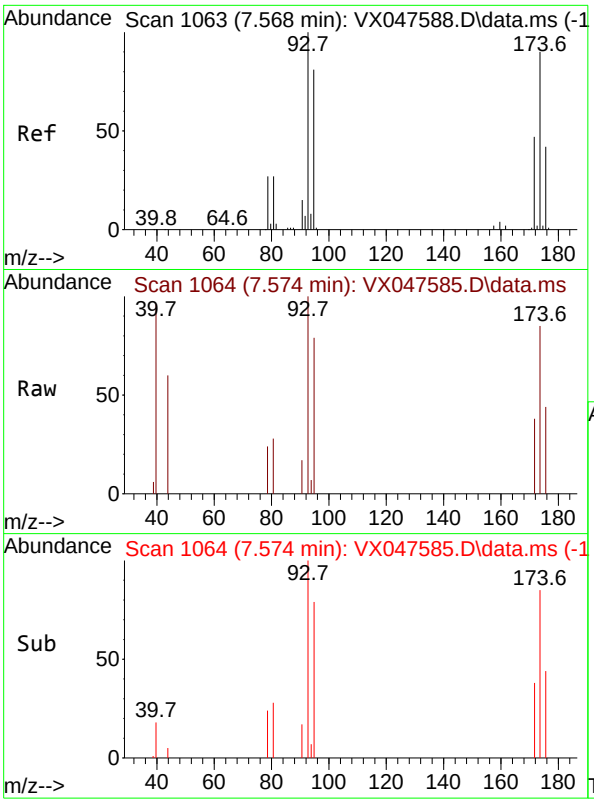


#45
1,2-Dichloropropane
Concen: 0.856 ug/l
RT: 7.415 min Scan# 1038
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 63 Resp: 2945

Ion	Ratio	Lower	Upper
63	100		
65	30.7	24.7	37.1

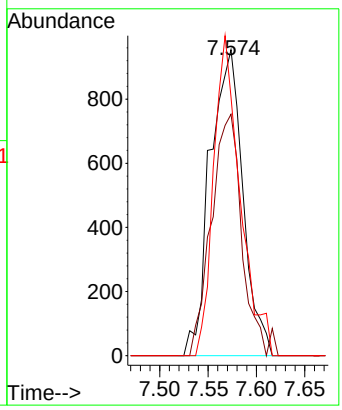




#46
Dibromomethane
Concen: 0.895 ug/l
RT: 7.574 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 93 Resp: 224

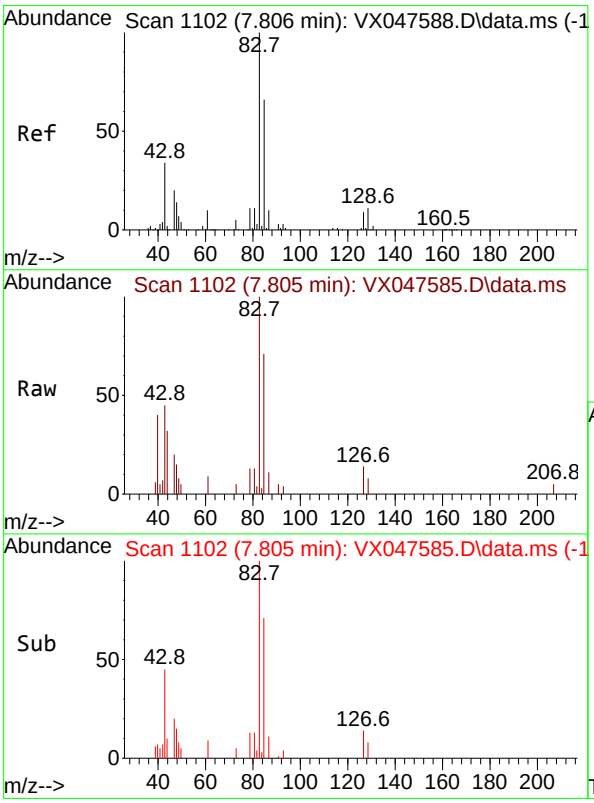
Ion	Ratio	Lower	Upper
93	100		
95	74.4	65.0	97.6
174	85.1	71.6	107.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

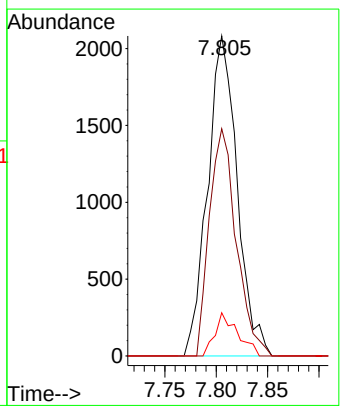
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

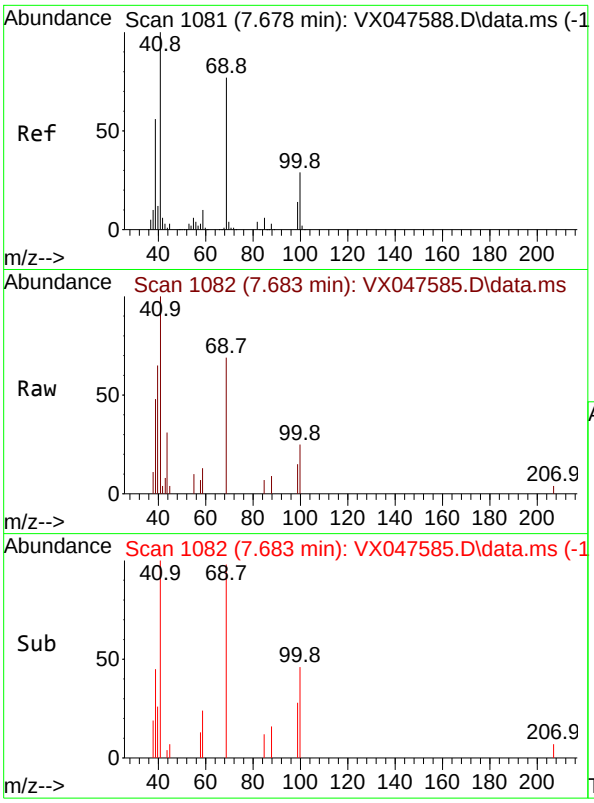


#47
Bromodichloromethane
Concen: 0.806 ug/l
RT: 7.805 min Scan# 1102
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 83 Resp: 4167

Ion	Ratio	Lower	Upper
83	100		
85	71.0	52.5	78.7
127	13.5	6.9	10.3#





#48
Methyl methacrylate
Concen: 0.867 ug/l
RT: 7.683 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

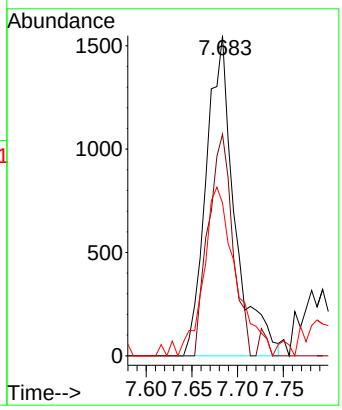
Tgt Ion: 41 Resp: 335

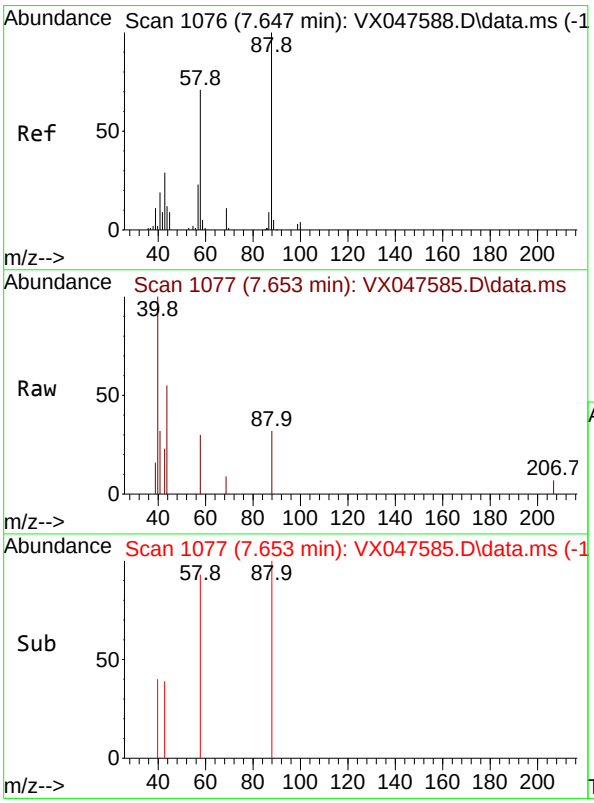
Ion	Ratio	Lower	Upper
41	100		
69	59.3	61.4	92.2#
39	59.5	45.8	68.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

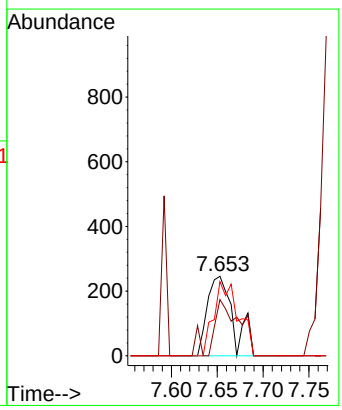


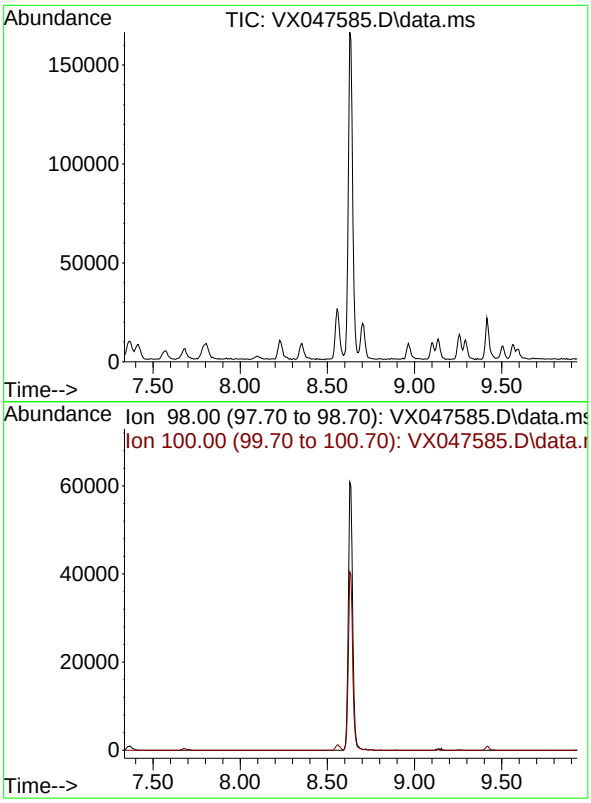


#49
1,4-Dioxane
Concen: 12.477 ug/l m
RT: 7.653 min Scan# 1077
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 88 Resp: 488

Ion	Ratio	Lower	Upper
88	100		
43	64.1	30.2	45.2#
58	88.9	59.5	89.3





#50
Toluene-d8
Concen: 0.000 ug/l
Expected RT: 8.63 min

Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

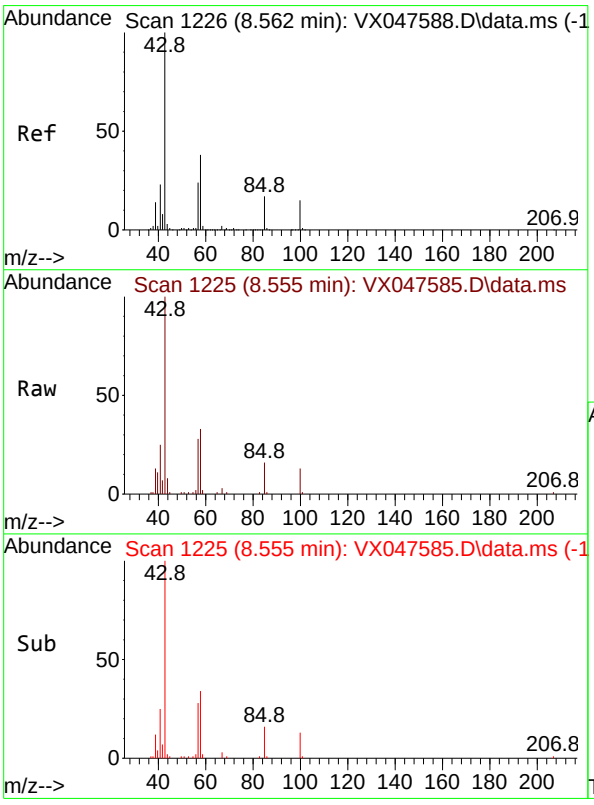
Tgt Ion: 98

Sig	Exp Ratio
98	100
100	66.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

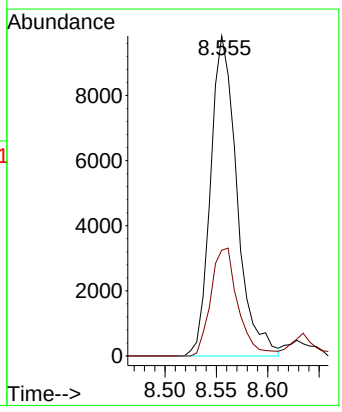
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

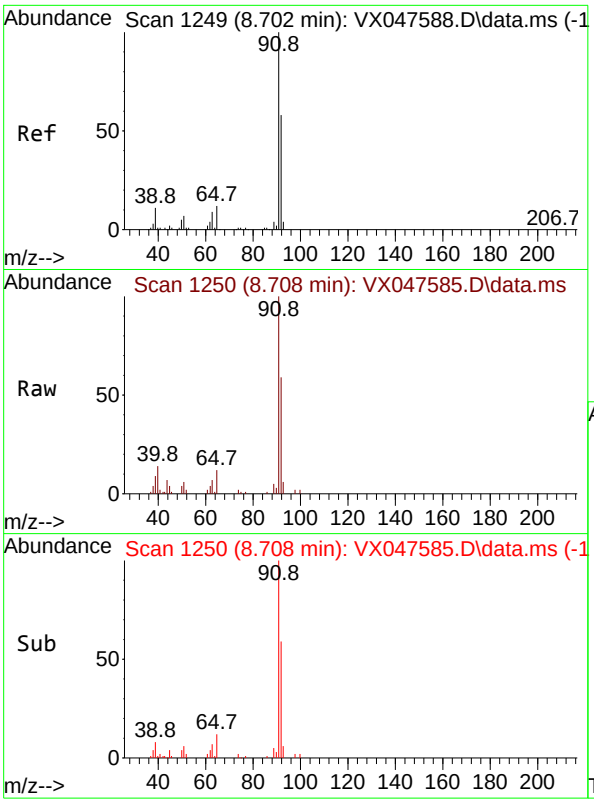


#51
4-Methyl-2-Pentanone
Concen: 4.085 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 43 Resp: 17596

Ion	Ratio	Lower	Upper
43	100		
58	34.7	30.3	45.5

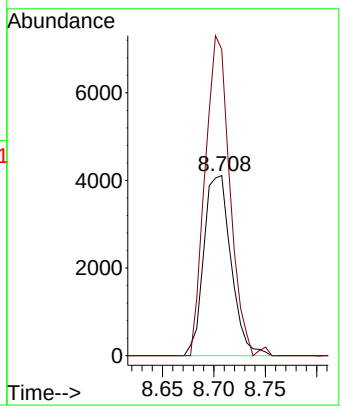




#52
Toluene
Concen: 0.917 ug/l
RT: 8.708 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 92 Resp: 759

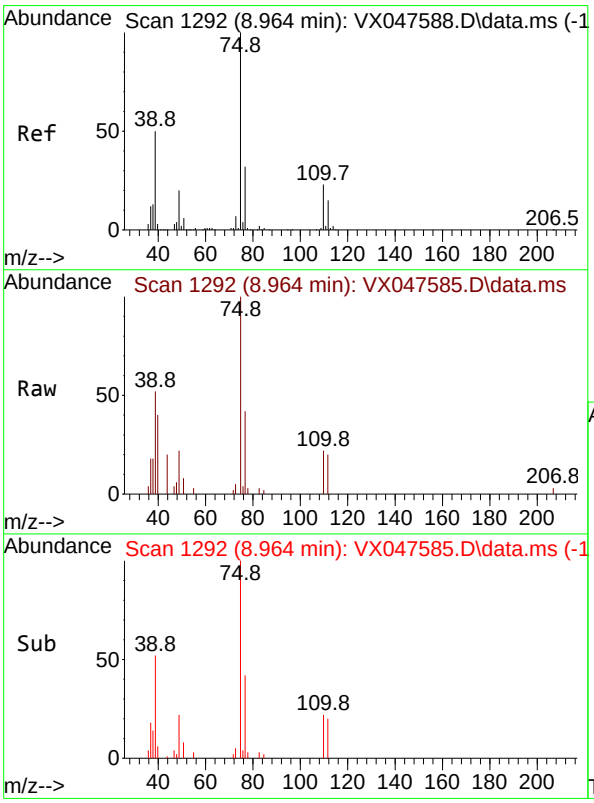
Ion	Ratio	Lower	Upper
92	100		
91	160.7	137.1	205.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

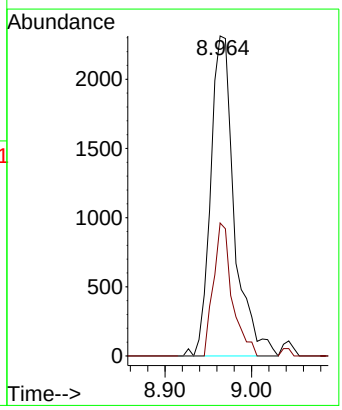
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

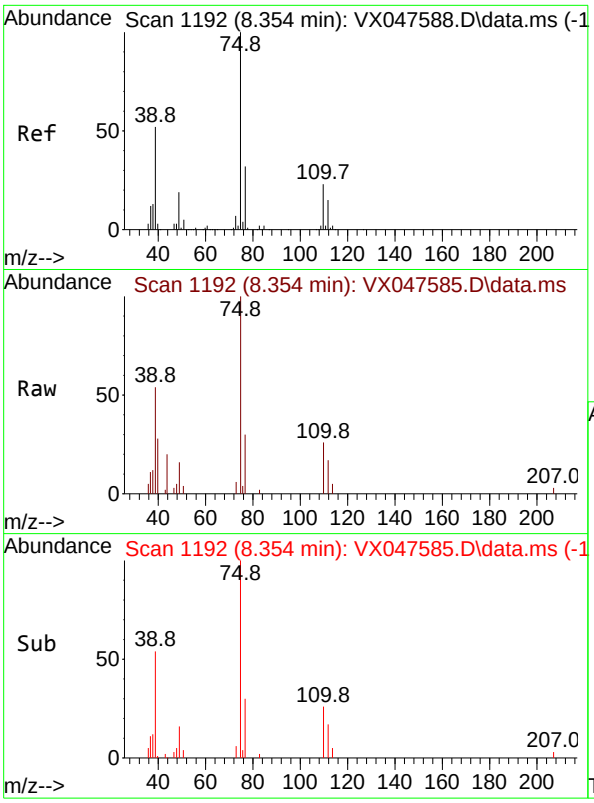


#53
t-1,3-Dichloropropene
Concen: 0.834 ug/l
RT: 8.964 min Scan# 1292
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 75 Resp: 4398

Ion	Ratio	Lower	Upper
75	100		
77	41.5	25.4	38.2#

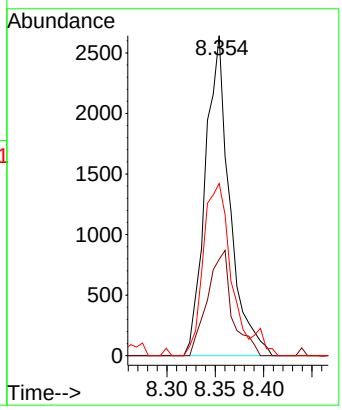




#54
cis-1,3-Dichloropropene
Concen: 0.823 ug/l
RT: 8.354 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 75 Resp: 463

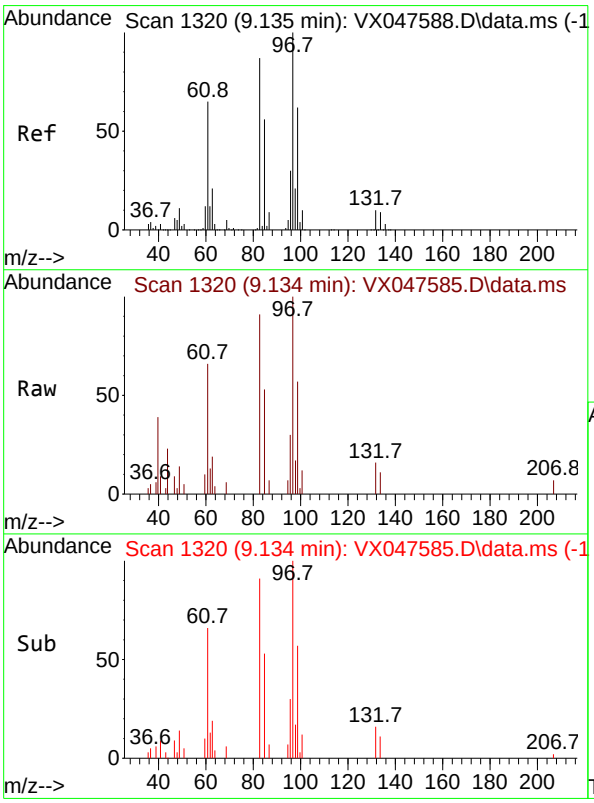
Ion	Ratio	Lower	Upper
75	100		
77	30.1	25.8	38.6
39	25.6	41.4	62.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

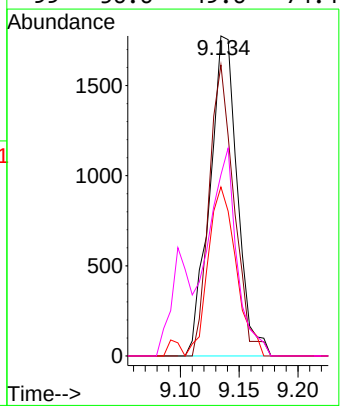
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

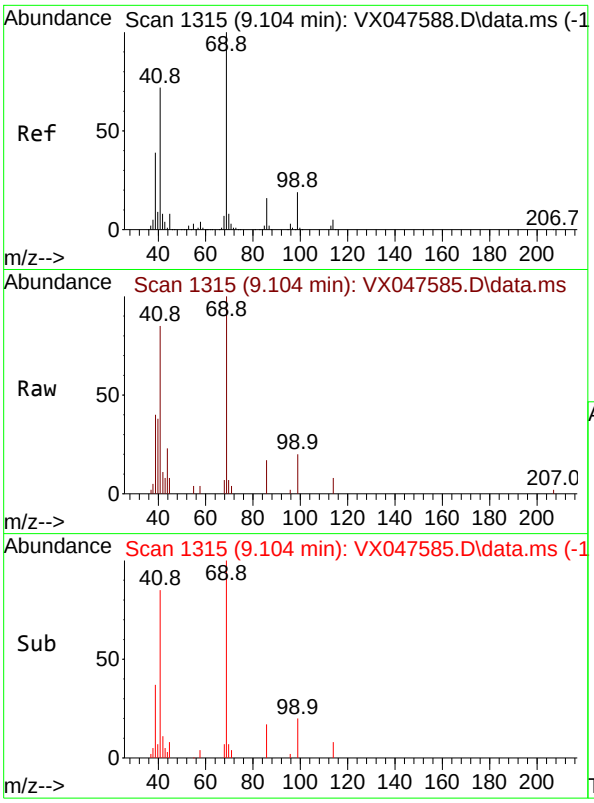


#55
1,1,2-Trichloroethane
Concen: 0.914 ug/l
RT: 9.134 min Scan# 1320
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 97 Resp: 2918

Ion	Ratio	Lower	Upper
97	100		
83	90.9	69.6	104.4
85	52.8	45.0	67.6
99	56.6	49.6	74.4

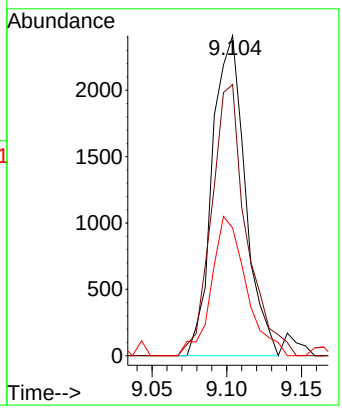




#56
Ethyl methacrylate
Concen: 0.734 ug/l
RT: 9.104 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 69 Resp: 367

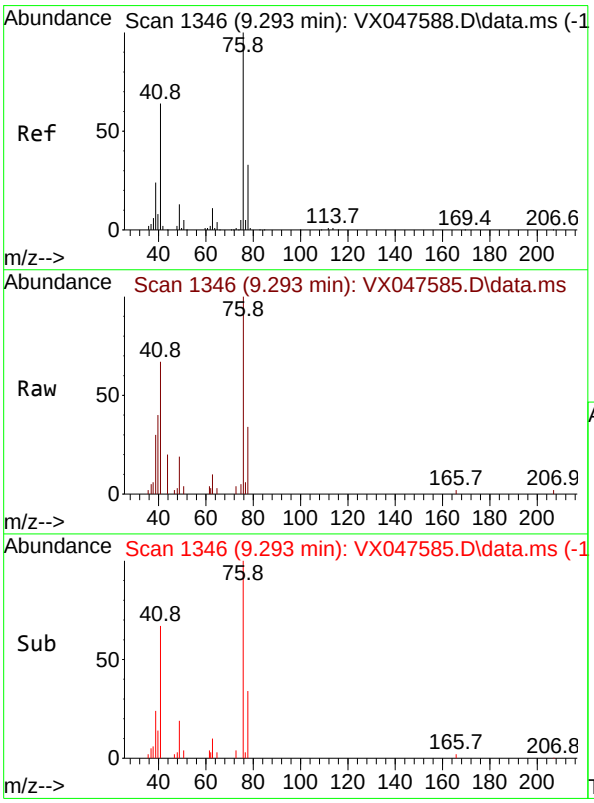
Ion	Ratio	Lower	Upper
69	100		
41	89.4	58.6	87.8
39	46.0	31.5	47.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

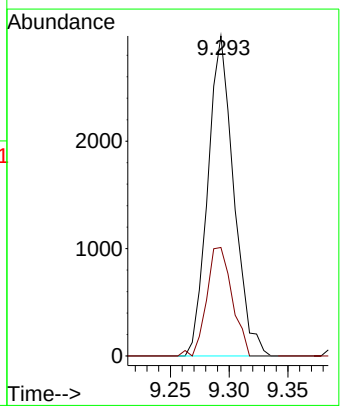
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

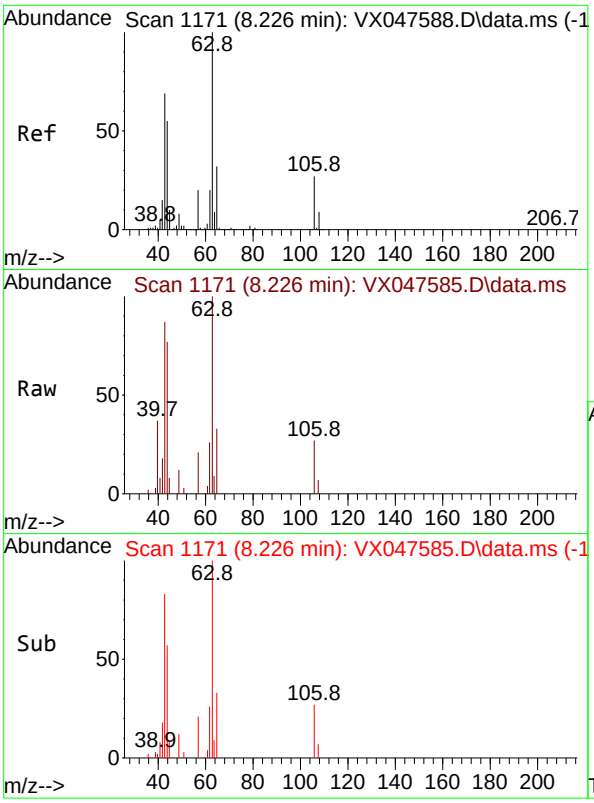


#57
1,3-Dichloropropane
Concen: 0.835 ug/l
RT: 9.293 min Scan# 1346
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 76 Resp: 4580

Ion	Ratio	Lower	Upper
76	100		
78	33.2	26.2	39.4

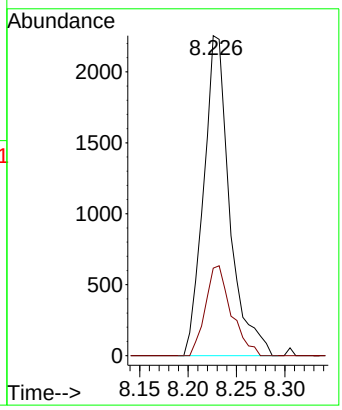




#58
2-Chloroethyl Vinyl ether
Concen: 9.665 ug/l
RT: 8.226 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 63 Resp: 422

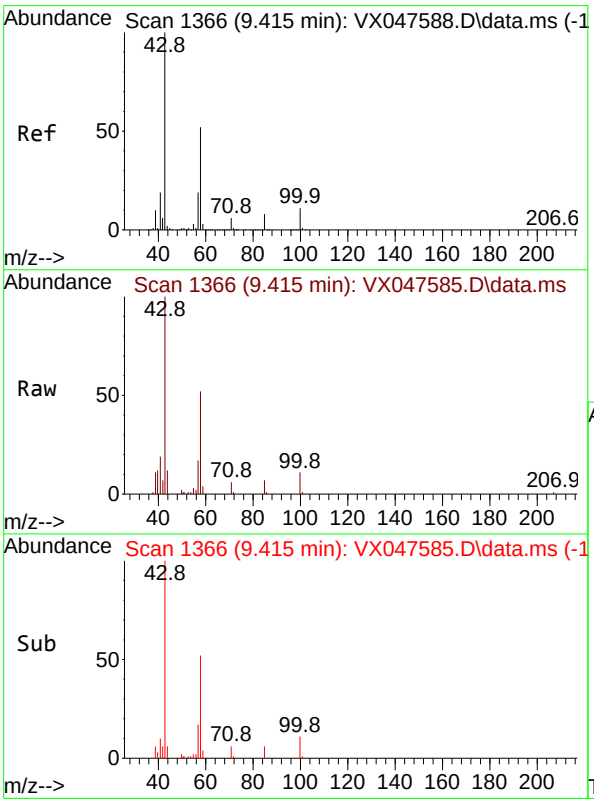
Ion	Ratio	Lower	Upper
63	100		
106	27.9	21.9	32.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

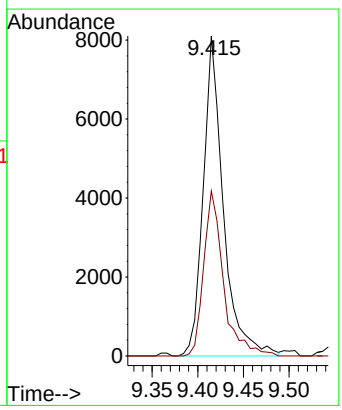
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

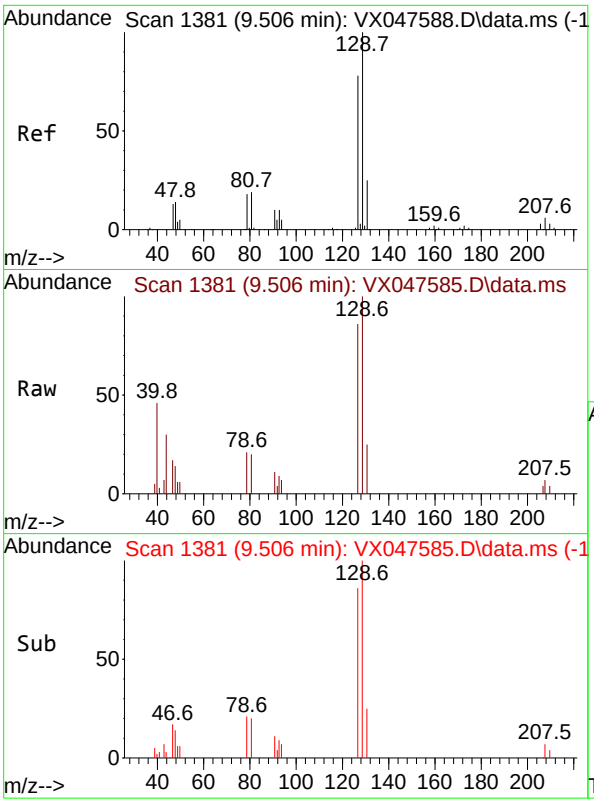


#59
2-Hexanone
Concen: 4.003 ug/l
RT: 9.415 min Scan# 1366
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 43 Resp: 12385

Ion	Ratio	Lower	Upper
43	100		
58	50.7	26.1	78.2

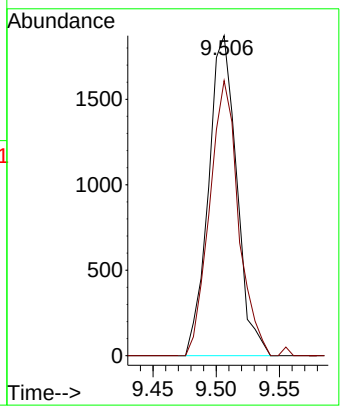




#60
Dibromochloromethane
Concen: 0.789 ug/l
RT: 9.506 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:129 Resp: 290

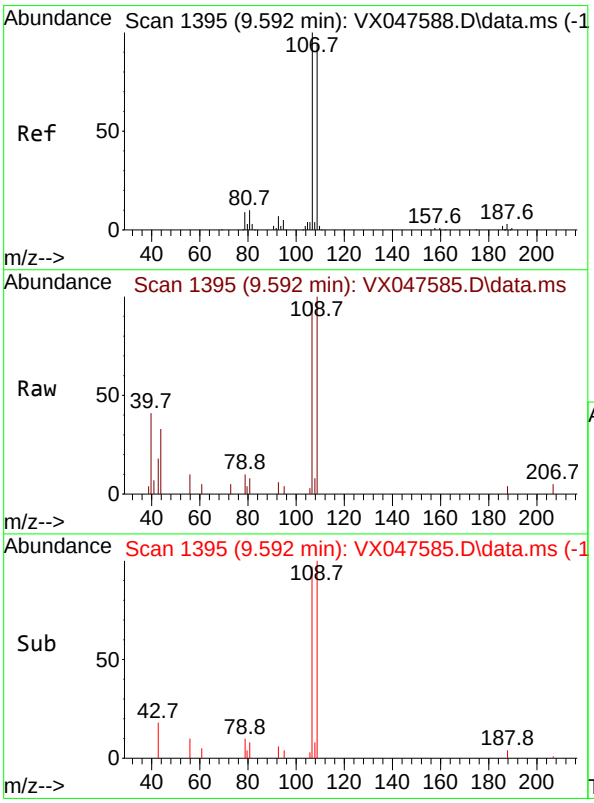
Ion	Ratio	Lower	Upper
129	100		
127	88.2	38.4	115.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

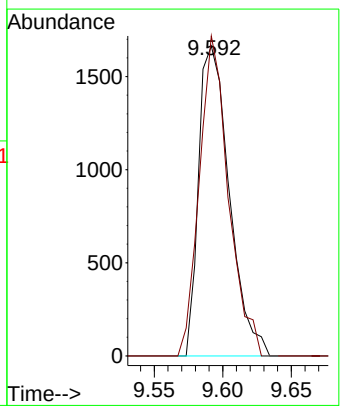
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

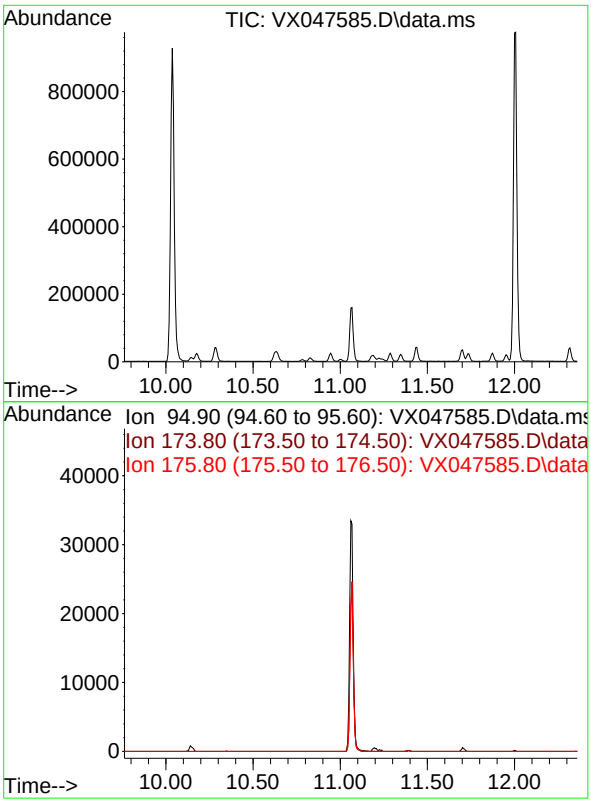


#61
1,2-Dibromoethane
Concen: 0.798 ug/l
RT: 9.592 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:107 Resp: 2596

Ion	Ratio	Lower	Upper
107	100		
109	97.7	75.3	112.9





#62
4-Bromofluorobenzene
Concen: 0.000 ug/l
Expected RT: 11.06 min

Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

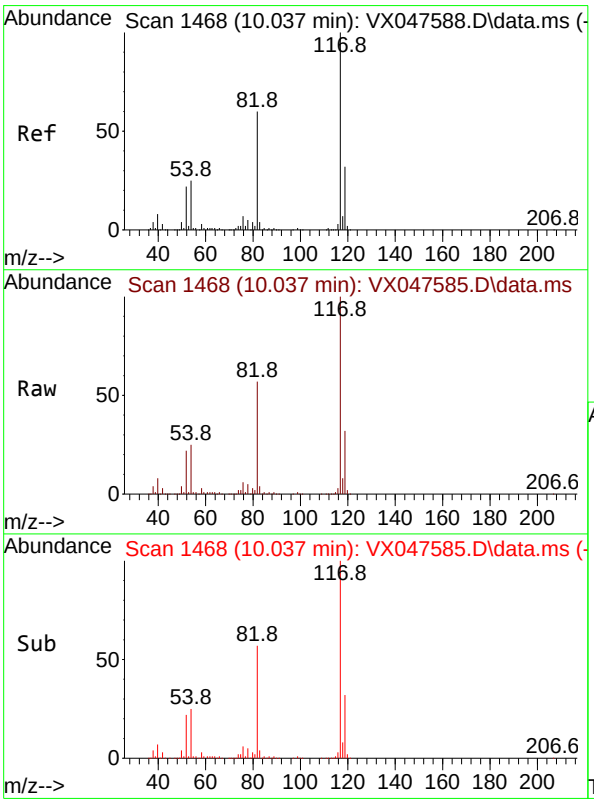
Tgt Ion: 95

Sig	Exp Ratio
95	100
174	70.8
176	69.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

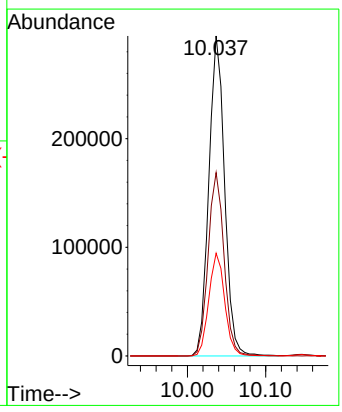
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

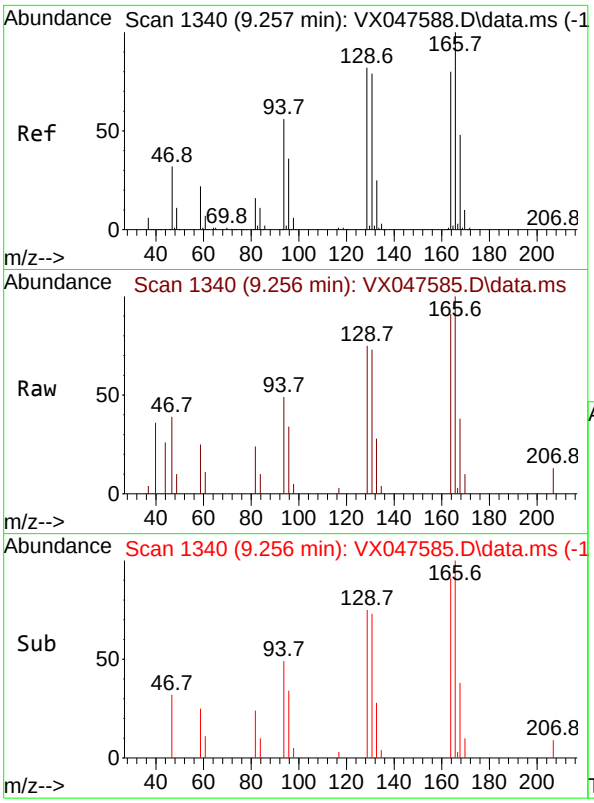


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:117 Resp: 410953

Ion	Ratio	Lower	Upper
117	100		
82	57.3	47.8	71.6
119	32.1	25.2	37.8

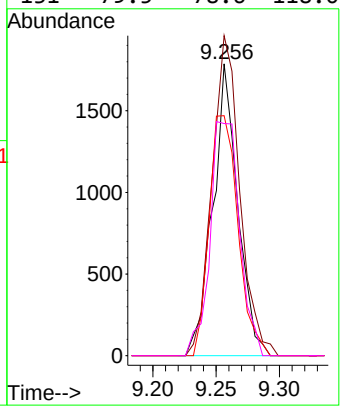




#64
Tetrachloroethene
Concen: 0.917 ug/l
RT: 9.256 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:164 Resp: 245

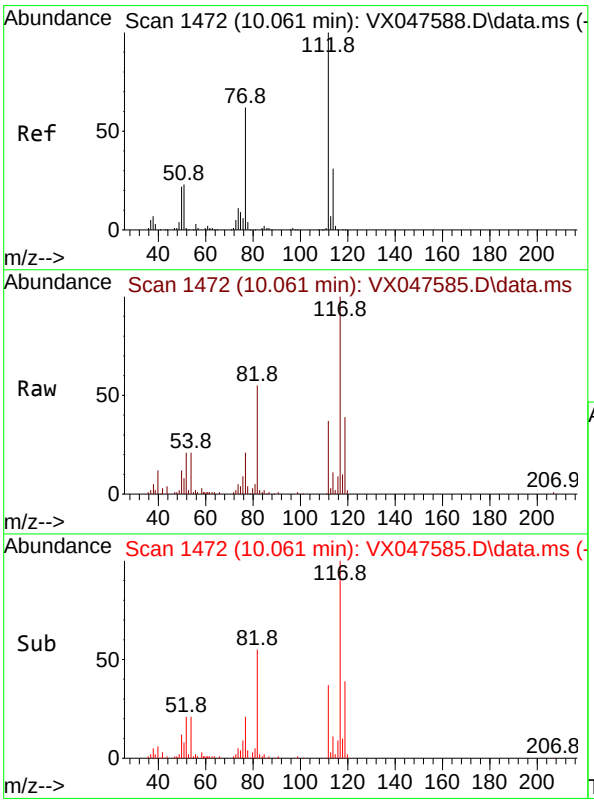
Ion	Ratio	Lower	Upper
164	100		
166	109.6	100.2	150.2
129	82.2	81.8	122.6
131	79.5	78.6	118.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

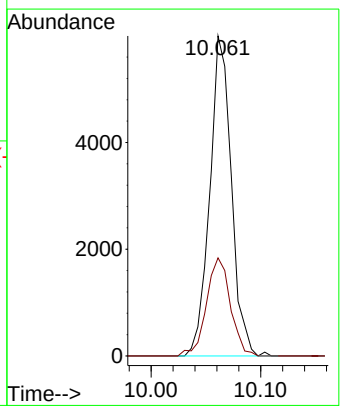
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

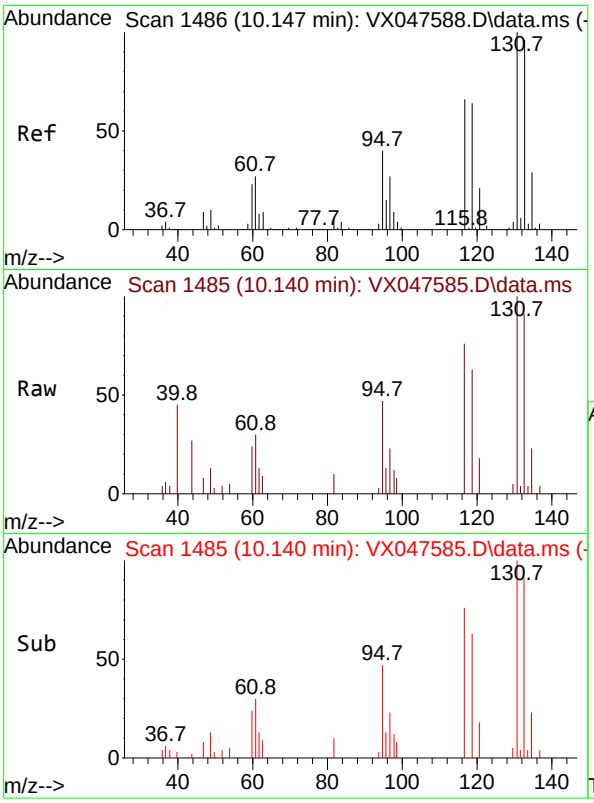


#65
Chlorobenzene
Concen: 0.879 ug/l
RT: 10.061 min Scan# 1472
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:112 Resp: 8202

Ion	Ratio	Lower	Upper
112	100		
114	30.7	25.1	37.7

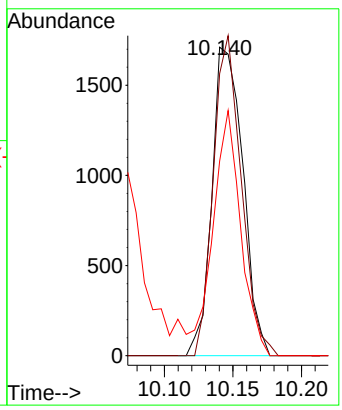




#66
1,1,1,2-Tetrachloroethane
Concen: 0.833 ug/l
RT: 10.140 min Scan# 14
Delta R.T. -0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:131 Resp: 268

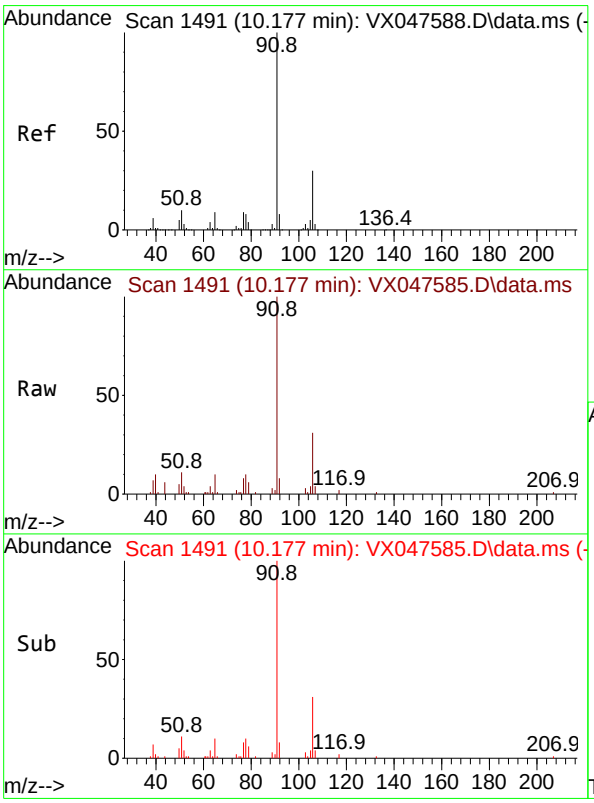
Ion	Ratio	Lower	Upper
131	100		
133	93.9	47.3	142.0
119	0.0	32.0	96.0#



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

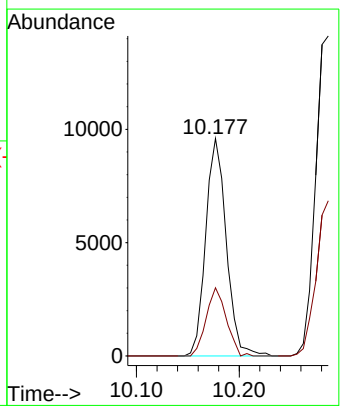
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

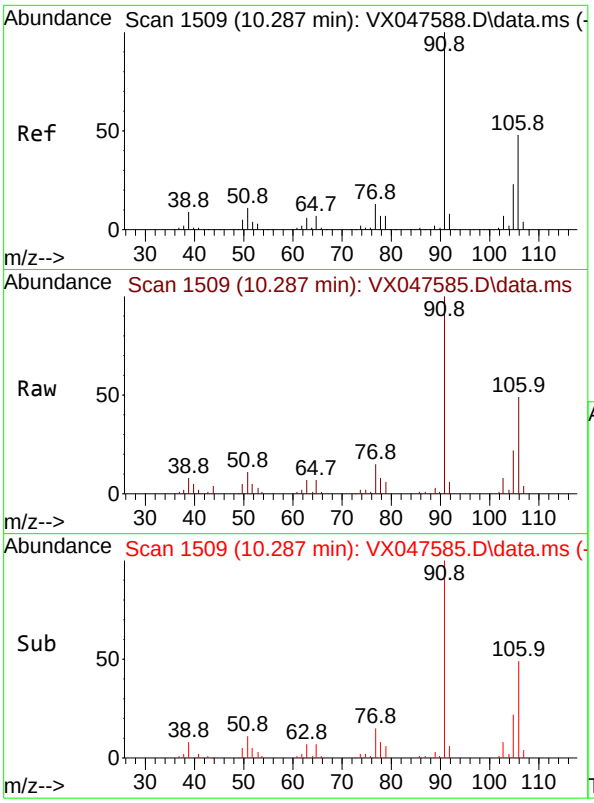


#67
Ethyl Benzene
Concen: 0.829 ug/l
RT: 10.177 min Scan# 1491
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 91 Resp: 13360

Ion	Ratio	Lower	Upper
91	100		
106	31.3	24.3	36.5

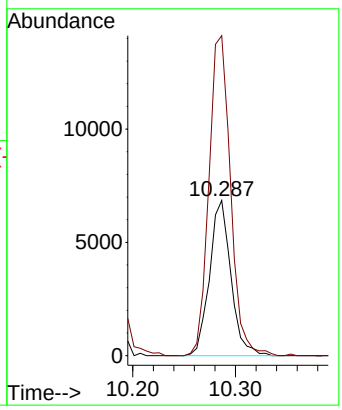




#68
m/p-Xylenes
Concen: 1.655 ug/l
RT: 10.287 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:106 Resp: 992

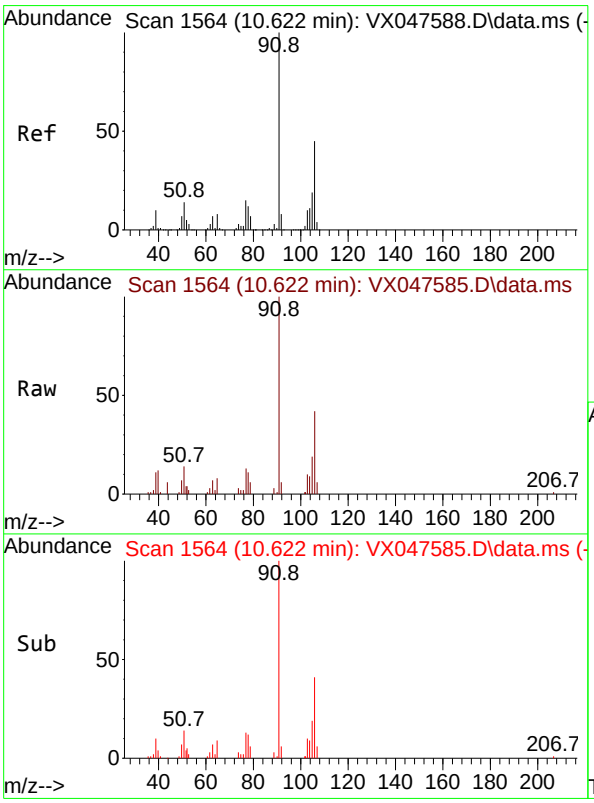
Ion	Ratio	Lower	Upper
106	100		
91	208.5	167.8	251.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

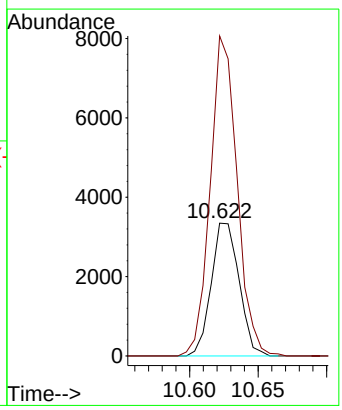
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

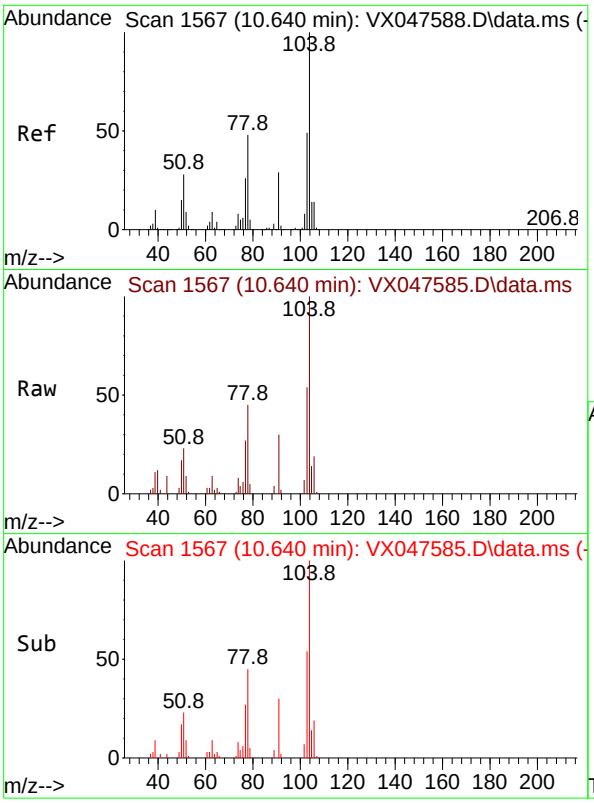


#69
o-Xylene
Concen: 0.816 ug/l
RT: 10.622 min Scan# 1564
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:106 Resp: 4734

Ion	Ratio	Lower	Upper
106	100		
91	232.4	111.1	333.4

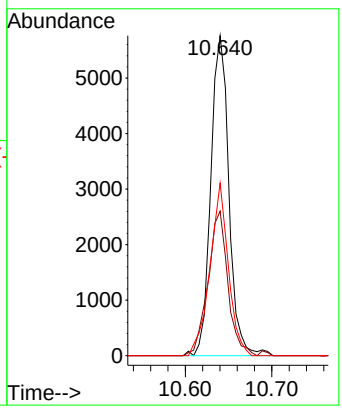




#70
Styrene
Concen: 0.824 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:104 Resp: 837

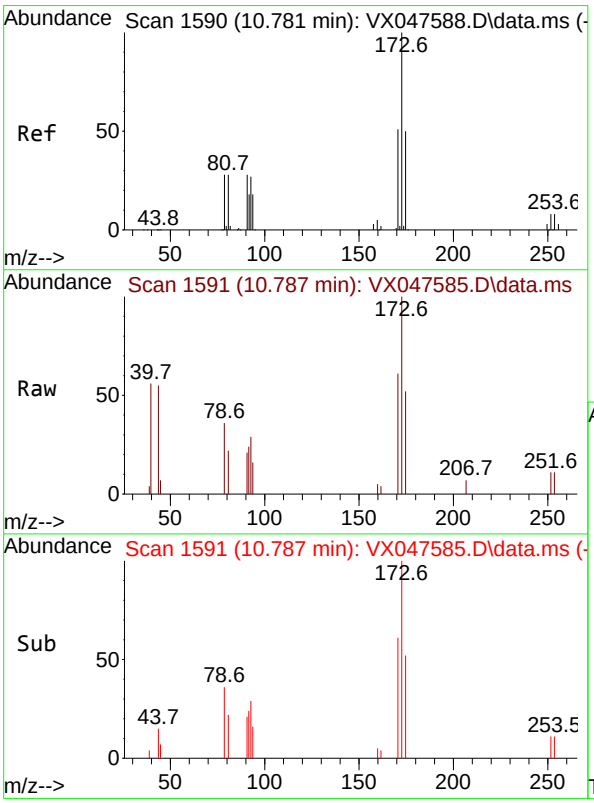
Ion	Ratio	Lower	Upper
104	100		
78	49.5	43.1	64.7
103	55.0	43.1	64.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

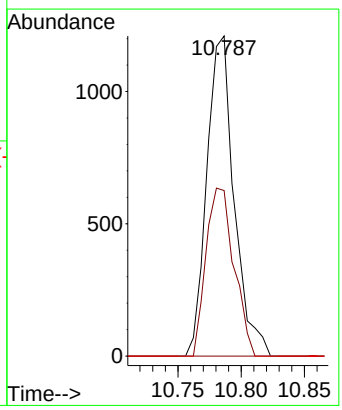
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

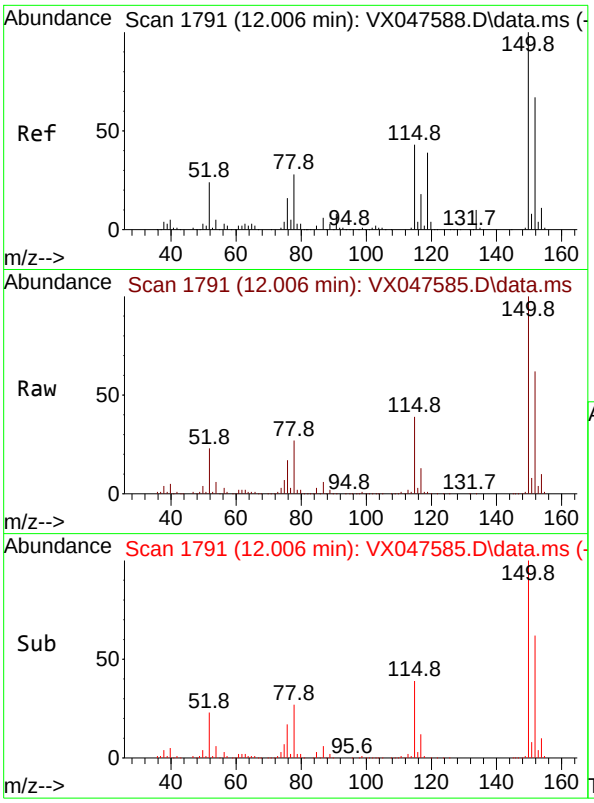


#71
Bromoform
Concen: 0.755 ug/l
RT: 10.787 min Scan# 1591
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:173 Resp: 1816

Ion	Ratio	Lower	Upper
173	100		
175	53.8	24.9	74.6
254	0.0	0.1	0.1#

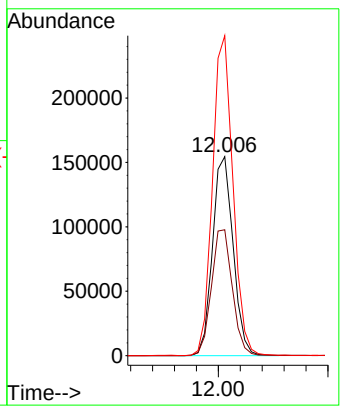




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:152 Resp: 20197

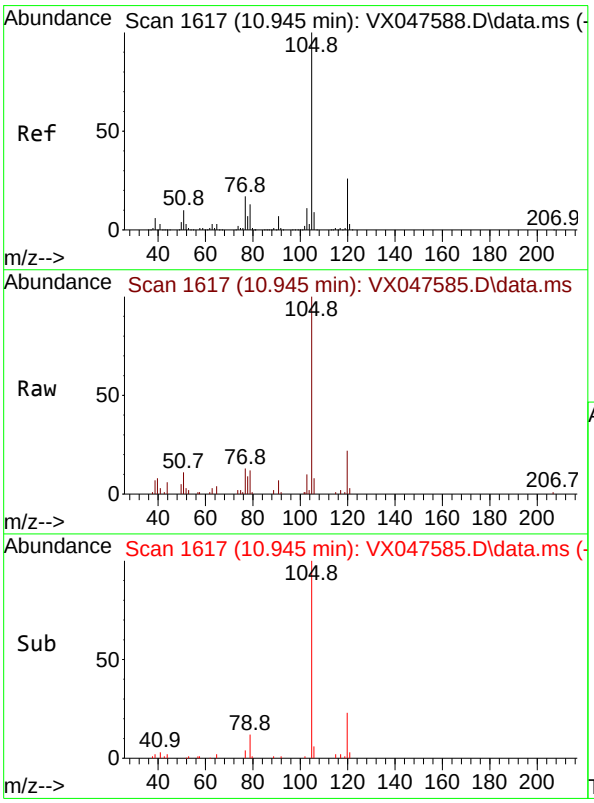
Ion	Ratio	Lower	Upper
152	100		
115	64.2	44.9	134.5
150	158.7	0.0	352.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

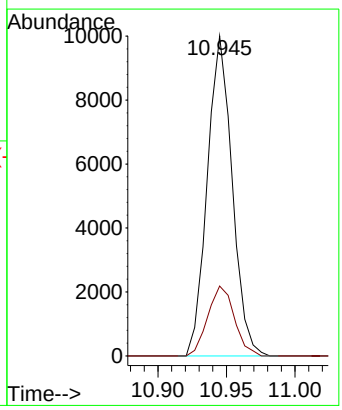
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

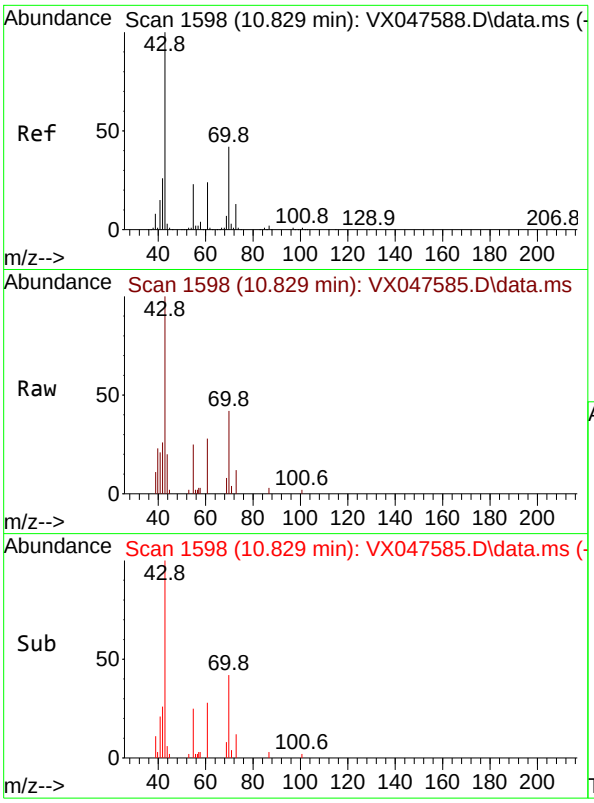


#73
Isopropylbenzene
Concen: 0.822 ug/l
RT: 10.945 min Scan# 1617
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:105 Resp: 12618

Ion	Ratio	Lower	Upper
105	100		
120	23.4	12.8	38.4

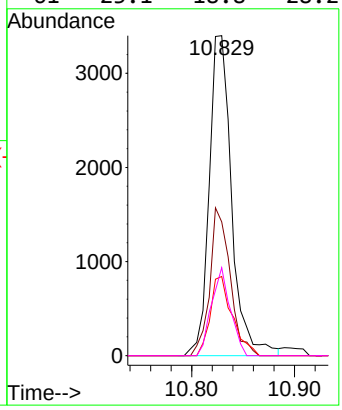




#74
N-amyl acetate
Concen: 0.737 ug/l
RT: 10.829 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 43 Resp: 515

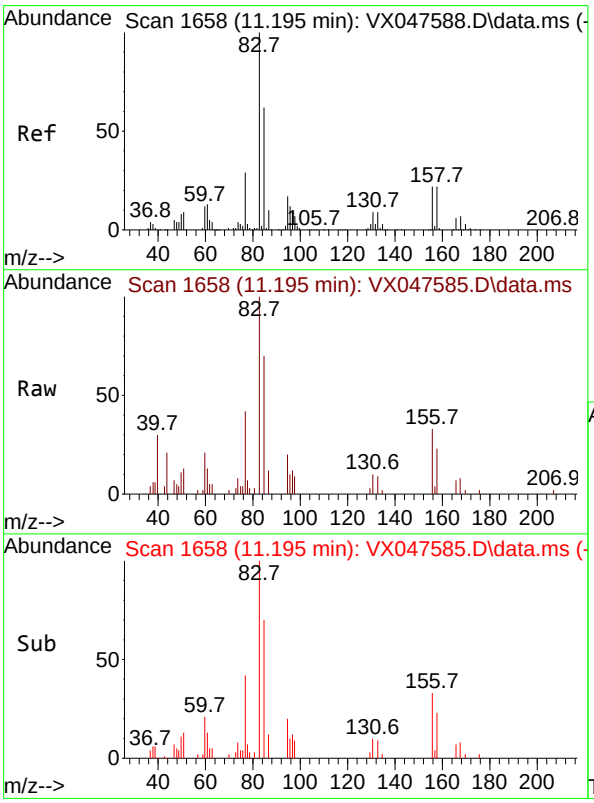
Ion	Ratio	Lower	Upper
43	100		
70	41.7	32.0	48.0
55	24.3	18.9	28.3
61	23.1	18.8	28.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

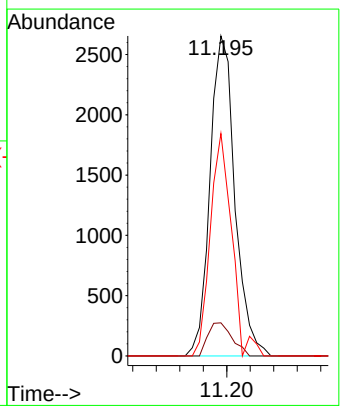
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

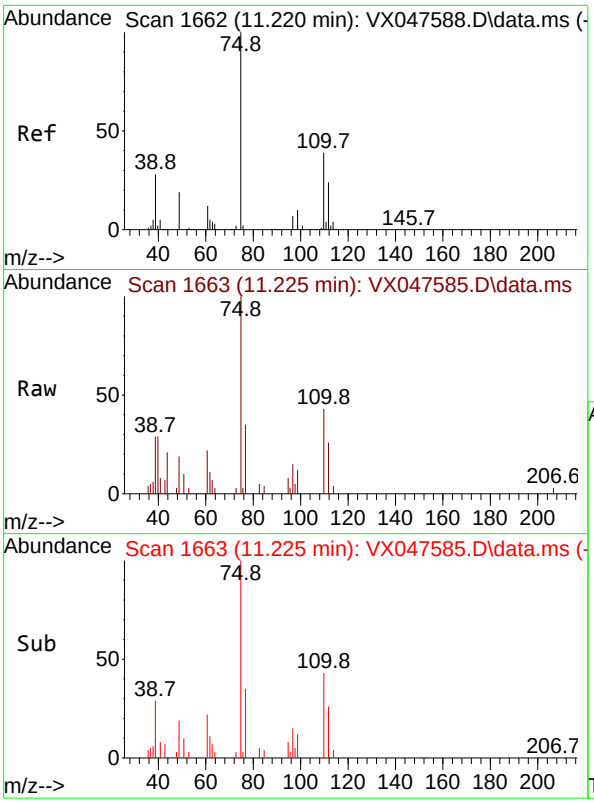


#75
1,1,2,2-Tetrachloroethane
Concen: 0.839 ug/l
RT: 11.195 min Scan# 1658
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 83 Resp: 3900

Ion	Ratio	Lower	Upper
83	100		
131	10.1	5.0	14.9
85	59.8	31.6	95.0

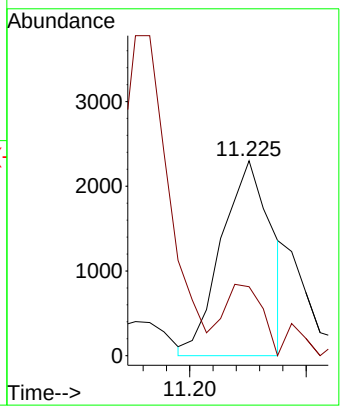




#76
1,2,3-Trichloropropane
Concen: 0.816 ug/l m
RT: 11.225 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 75 Resp: 342

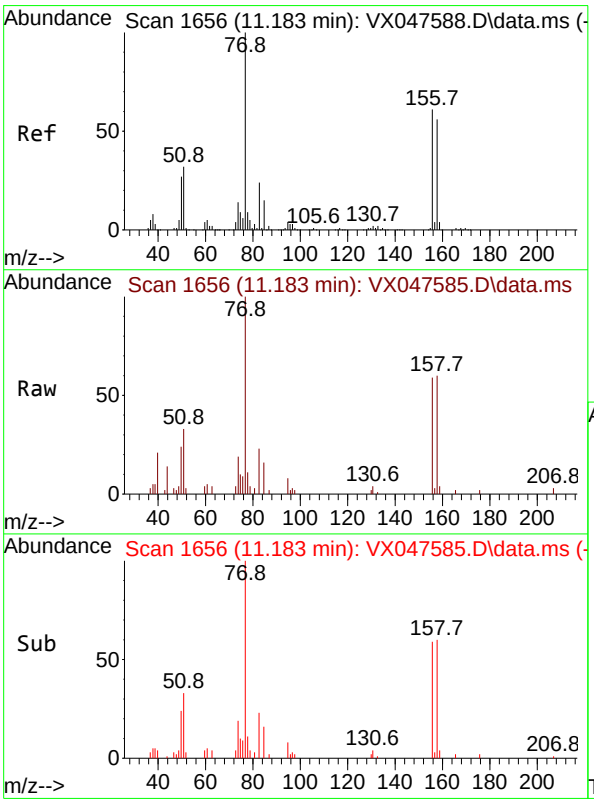
Ion	Ratio	Lower	Upper
75	100		
77	34.6	18.8	56.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

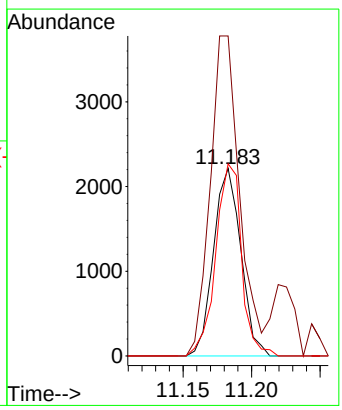
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

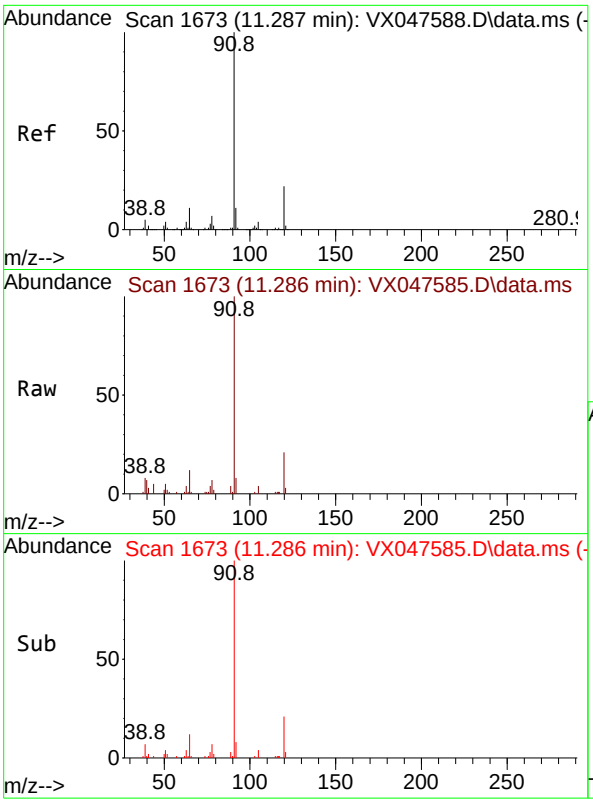


#77
Bromobenzene
Concen: 0.811 ug/l
RT: 11.183 min Scan# 1656
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:156 Resp: 3069

Ion	Ratio	Lower	Upper
156	100		
77	182.3	89.7	269.1
158	96.6	47.9	143.6

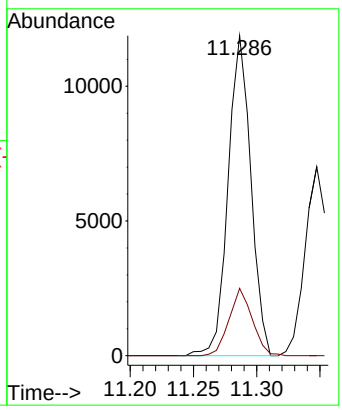




#78
n-propylbenzene
Concen: 0.819 ug/l
RT: 11.286 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 91 Resp: 1486

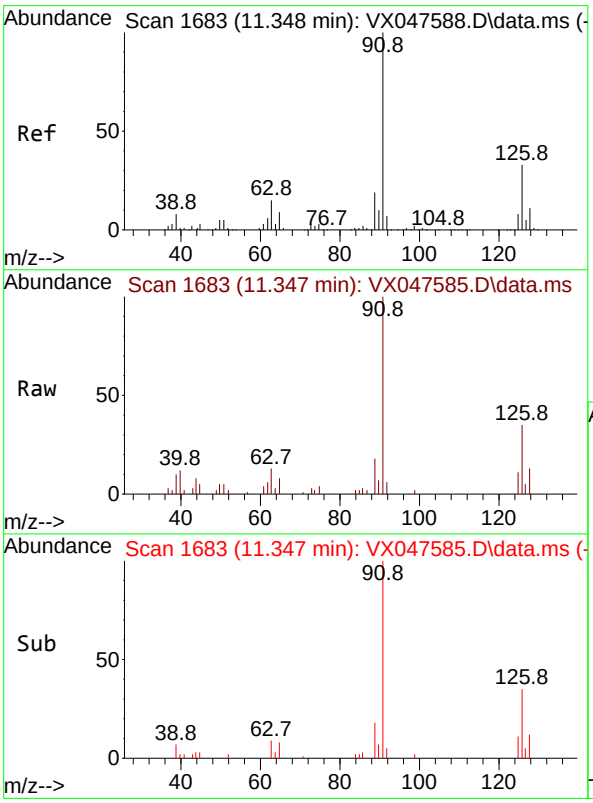
Ion	Ratio	Lower	Upper
91	100		
120	21.4	11.1	33.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

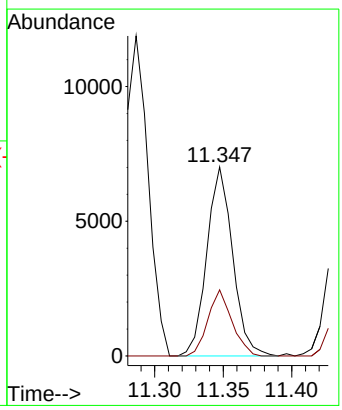
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

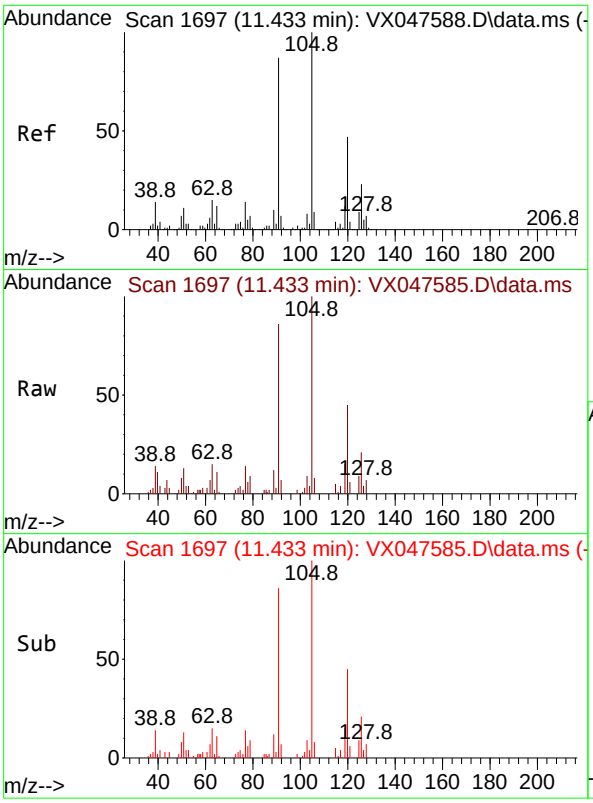


#79
2-Chlorotoluene
Concen: 0.827 ug/l
RT: 11.347 min Scan# 1683
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 91 Resp: 9195

Ion	Ratio	Lower	Upper
91	100		
126	32.5	16.1	48.3

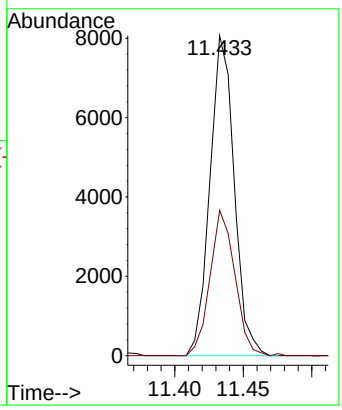




#80
1,3,5-Trimethylbenzene
Concen: 0.787 ug/l
RT: 11.433 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:105 Resp: 992

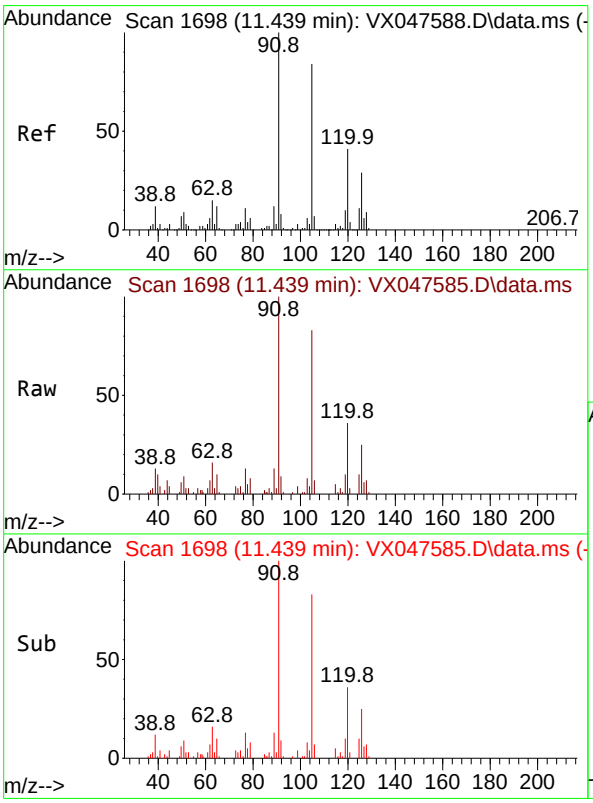
Ion	Ratio	Lower	Upper
105	100		
120	46.7	23.6	70.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

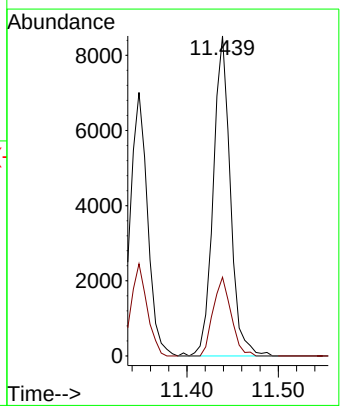
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

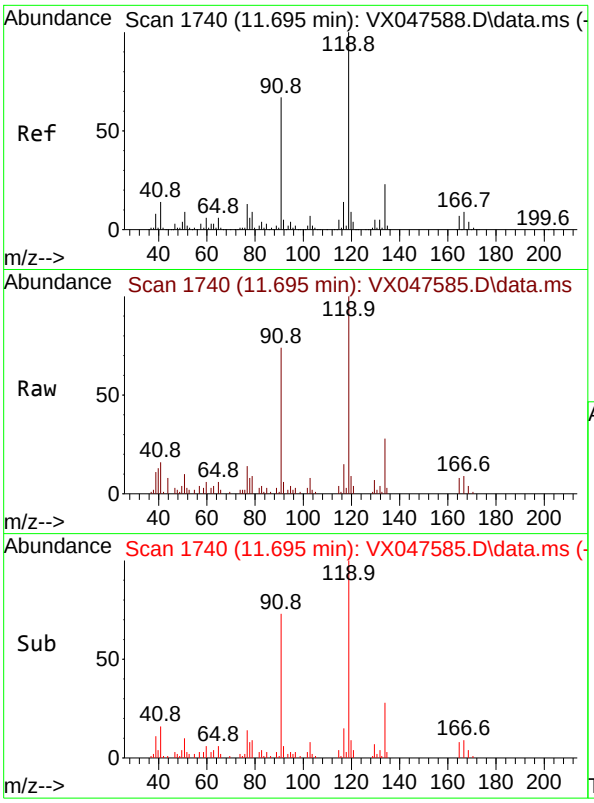


#82
4-Chlorotoluene
Concen: 0.847 ug/l
RT: 11.439 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 91 Resp: 11123

Ion	Ratio	Lower	Upper
91	100		
126	25.8	14.2	42.6

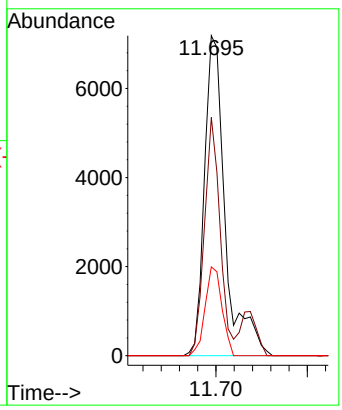




#83
tert-Butylbenzene
Concen: 0.876 ug/l
RT: 11.695 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:119 Resp: 1131

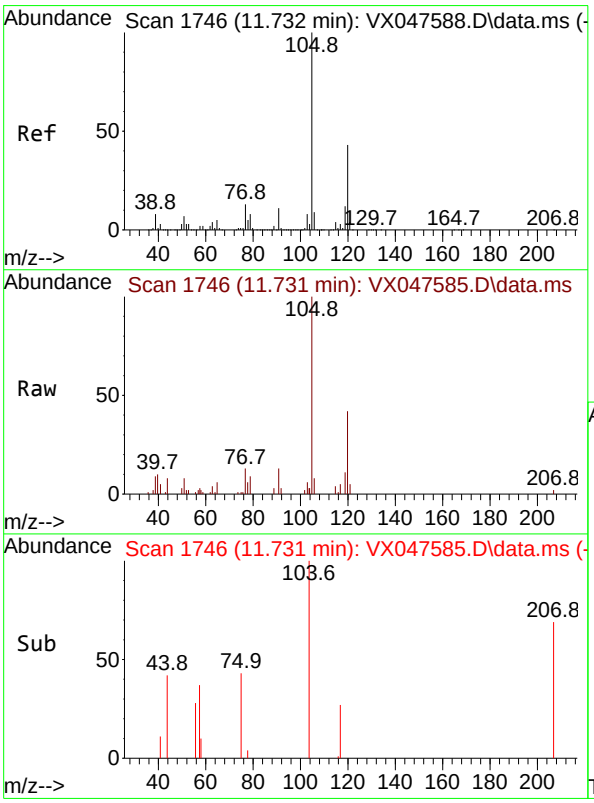
Ion	Ratio	Lower	Upper
119	100		
91	56.1	29.6	88.8
134	22.5	11.0	33.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

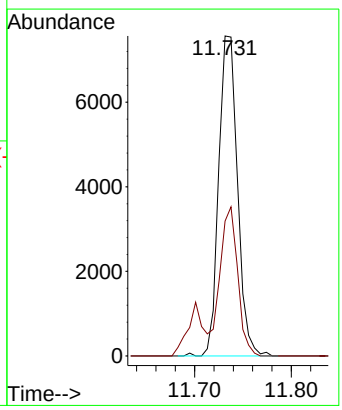
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

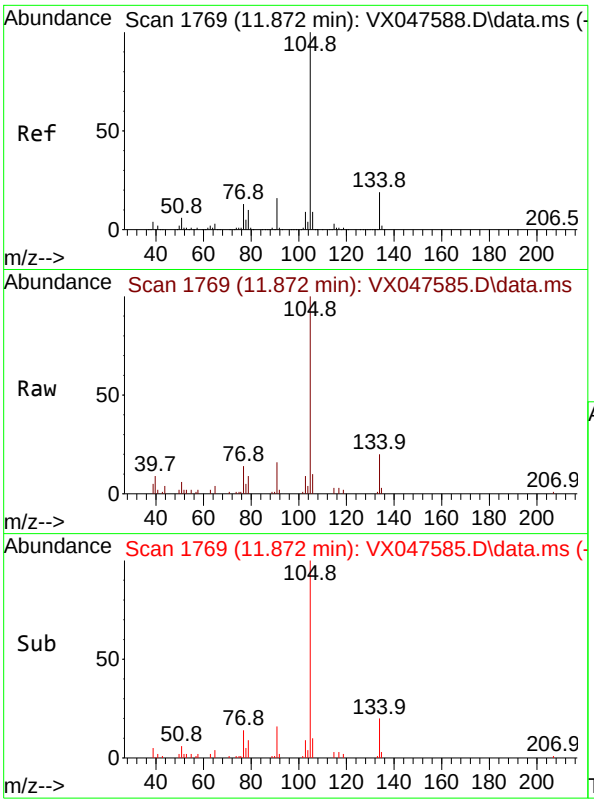


#84
1,2,4-Trimethylbenzene
Concen: 0.796 ug/l
RT: 11.731 min Scan# 1746
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:105 Resp: 10187

Ion	Ratio	Lower	Upper
105	100		
120	44.2	22.1	66.1

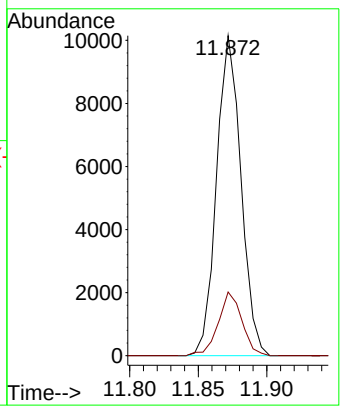




#85
sec-Butylbenzene
Concen: 0.819 ug/l
RT: 11.872 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:105 Resp: 1256

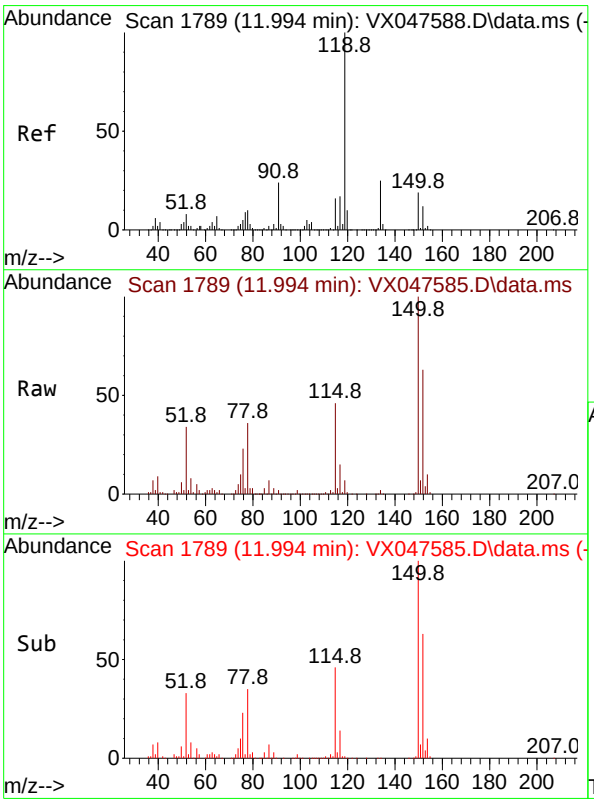
Ion	Ratio	Lower	Upper
105	100		
134	19.3	9.8	29.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

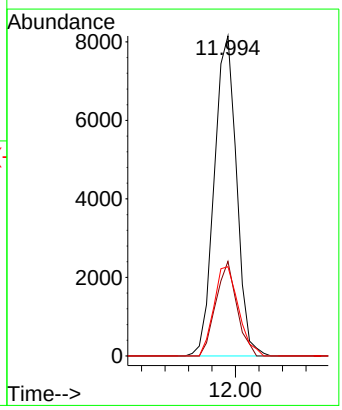
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

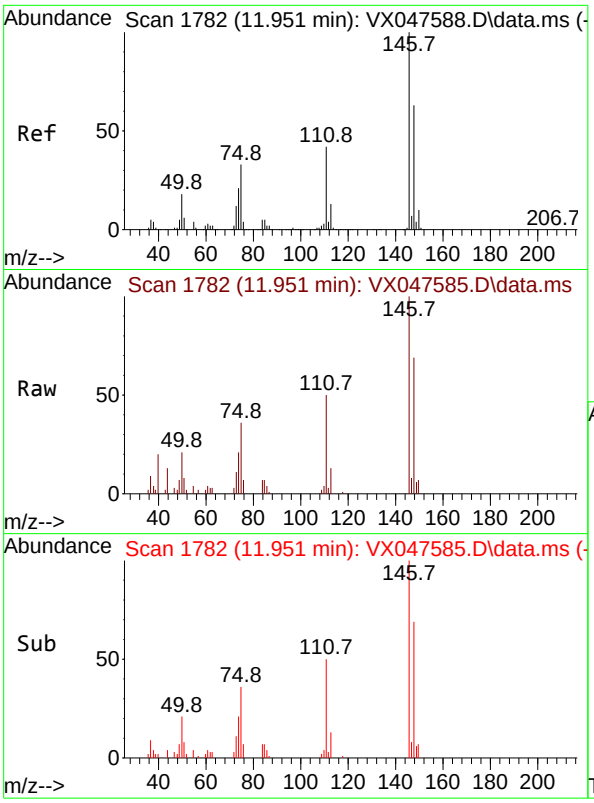


#86
p-Isopropyltoluene
Concen: 0.827 ug/l
RT: 11.994 min Scan# 1789
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:119 Resp: 10744

Ion	Ratio	Lower	Upper
119	100		
134	27.9	12.6	37.8
91	30.8	12.6	37.6

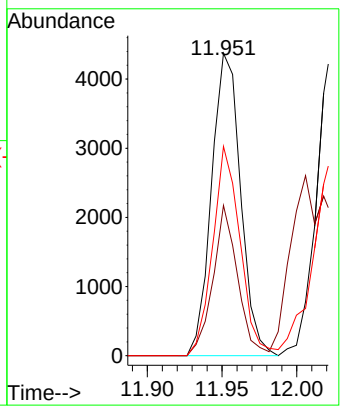




#87
1,3-Dichlorobenzene
Concen: 0.841 ug/l
RT: 11.951 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:146 Resp: 590

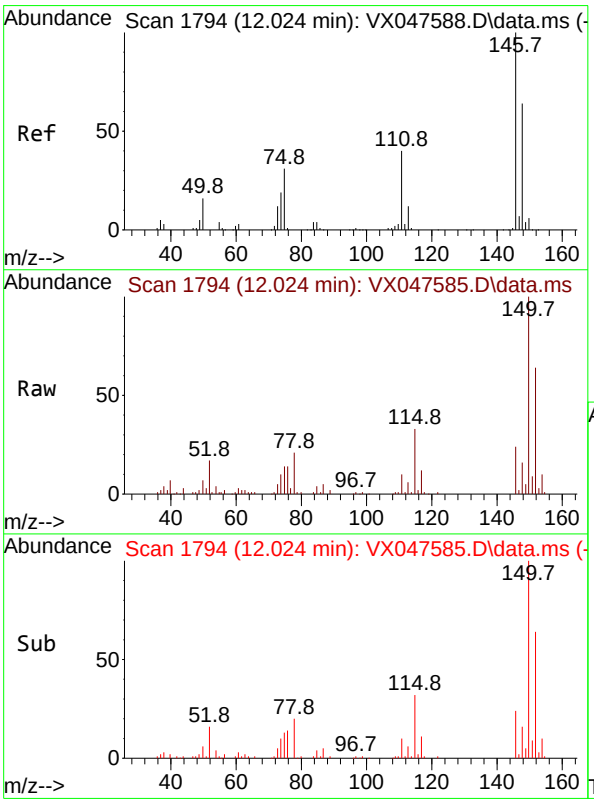
Ion	Ratio	Lower	Upper
146	100		
111	42.2	21.5	64.5
148	65.5	32.0	96.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

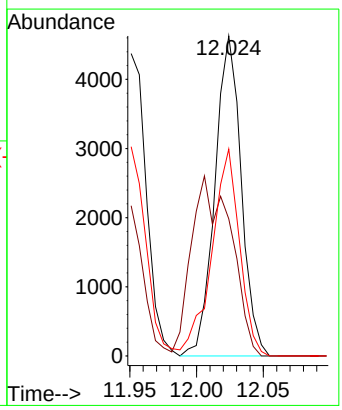
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

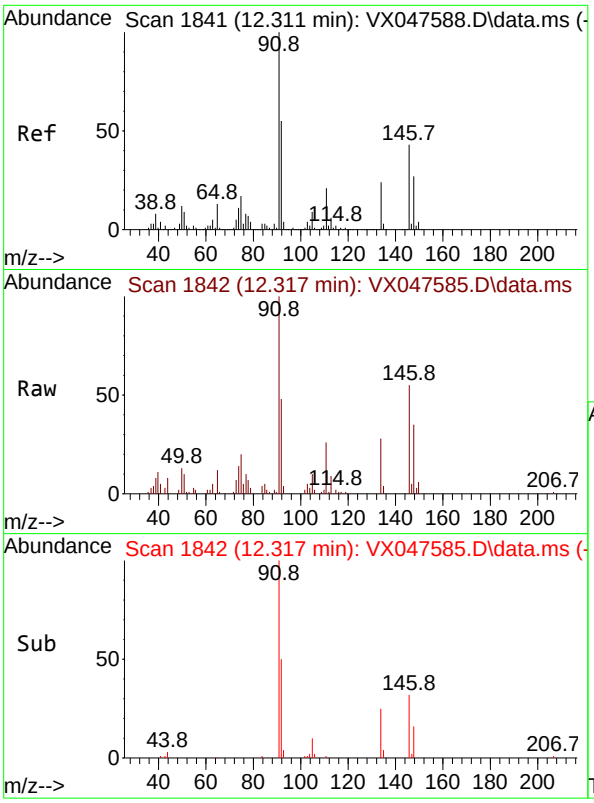


#88
1,4-Dichlorobenzene
Concen: 0.880 ug/l m
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:146 Resp: 6341

Ion	Ratio	Lower	Upper
146	100		
111	39.3	20.8	62.4
148	61.1	31.7	95.1

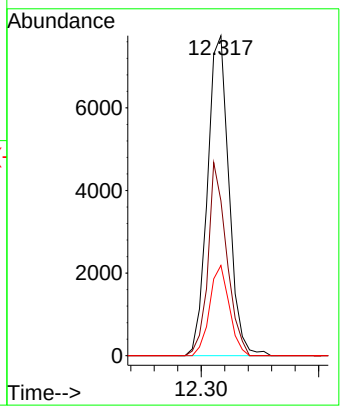




#89
n-Butylbenzene
Concen: 0.816 ug/l
RT: 12.317 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 91 Resp: 981

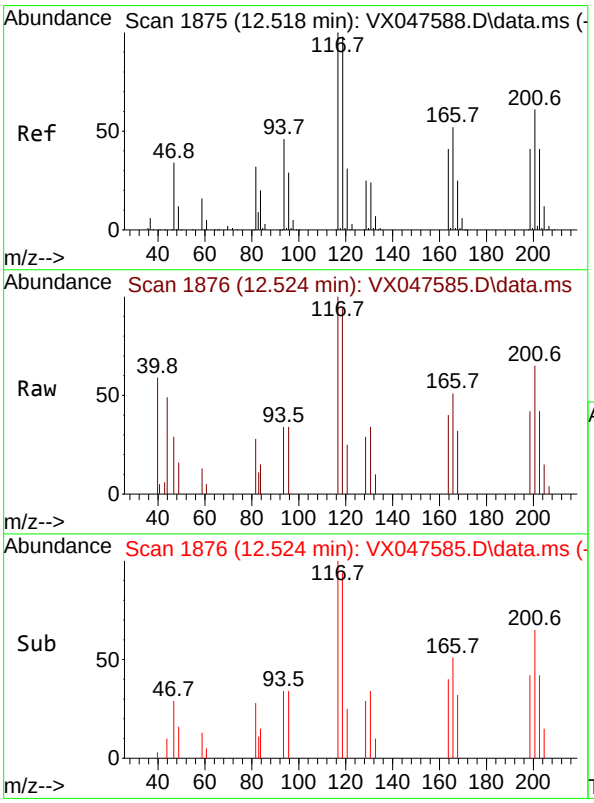
Ion	Ratio	Lower	Upper
91	100		
92	52.4	27.6	82.7
134	25.9	12.6	37.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

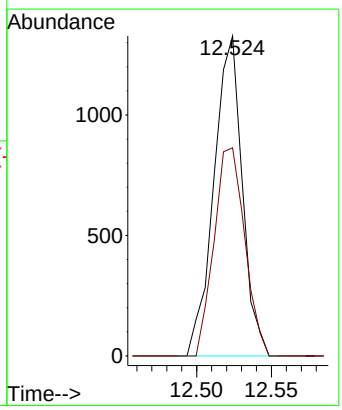
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

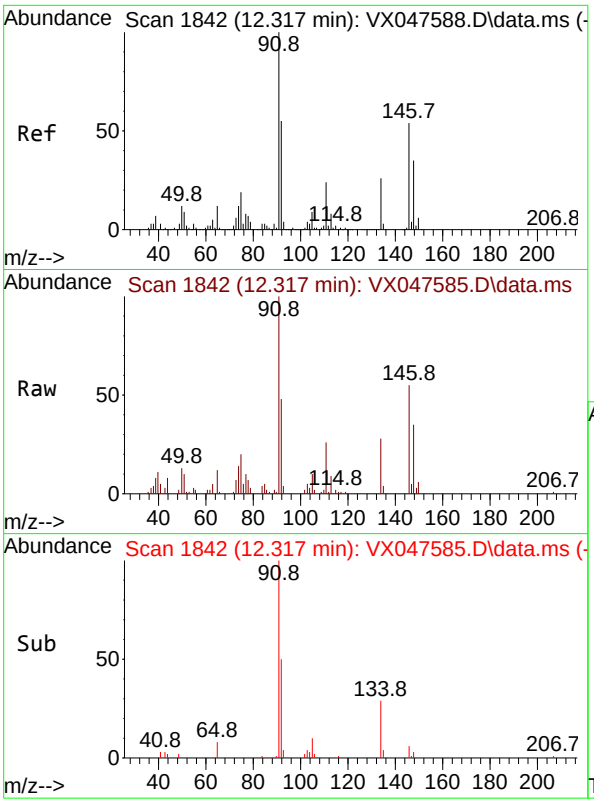


#90
Hexachloroethane
Concen: 0.768 ug/l
RT: 12.524 min Scan# 1876
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:117 Resp: 1752

Ion	Ratio	Lower	Upper
117	100		
201	70.4	34.2	102.5

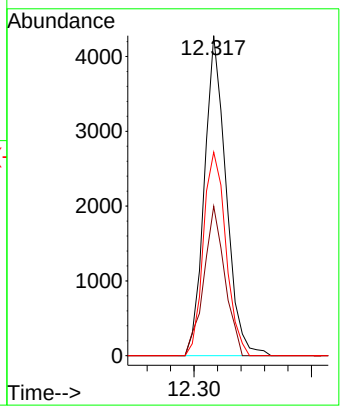




#91
1,2-Dichlorobenzene
Concen: 0.820 ug/l
RT: 12.317 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:146 Resp: 549

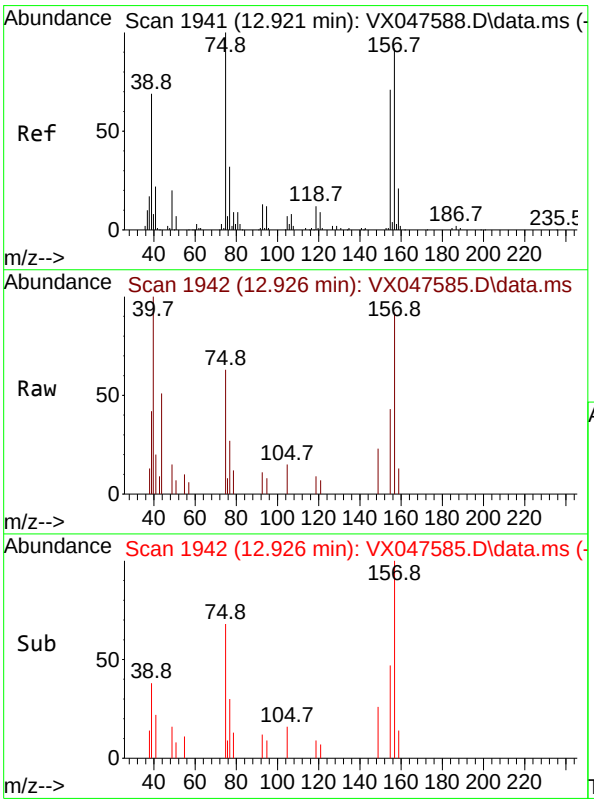
Ion	Ratio	Lower	Upper
146	100		
111	45.2	22.2	66.6
148	65.8	31.8	95.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

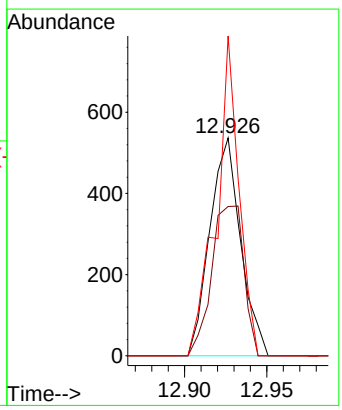
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

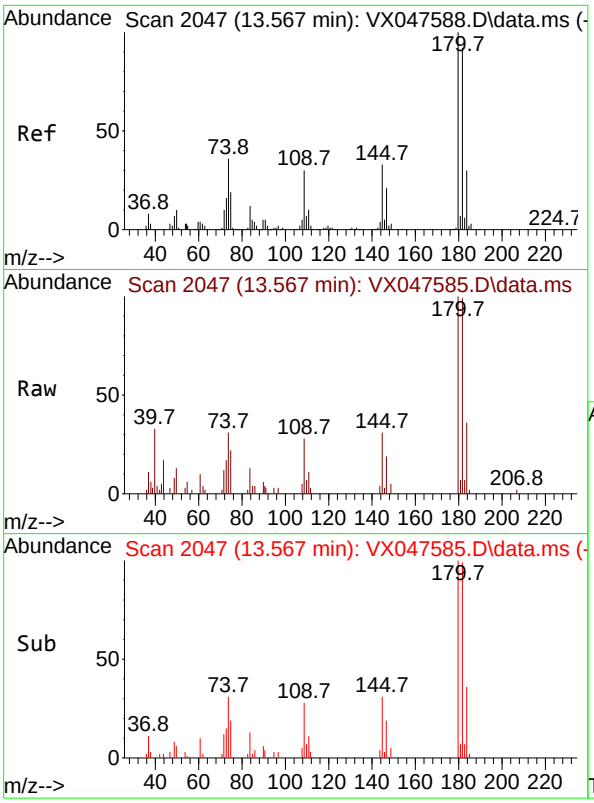


#92
1,2-Dibromo-3-Chloropropane
Concen: 0.742 ug/l
RT: 12.926 min Scan# 1942
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 75 Resp: 698

Ion	Ratio	Lower	Upper
75	100		
155	72.1	37.7	113.1
157	108.7	49.8	149.4

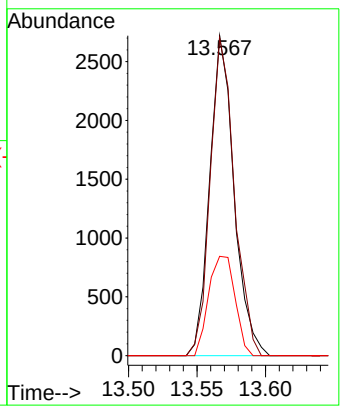




#93
1,2,4-Trichlorobenzene
Concen: 0.772 ug/l
RT: 13.567 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:180 Resp: 335

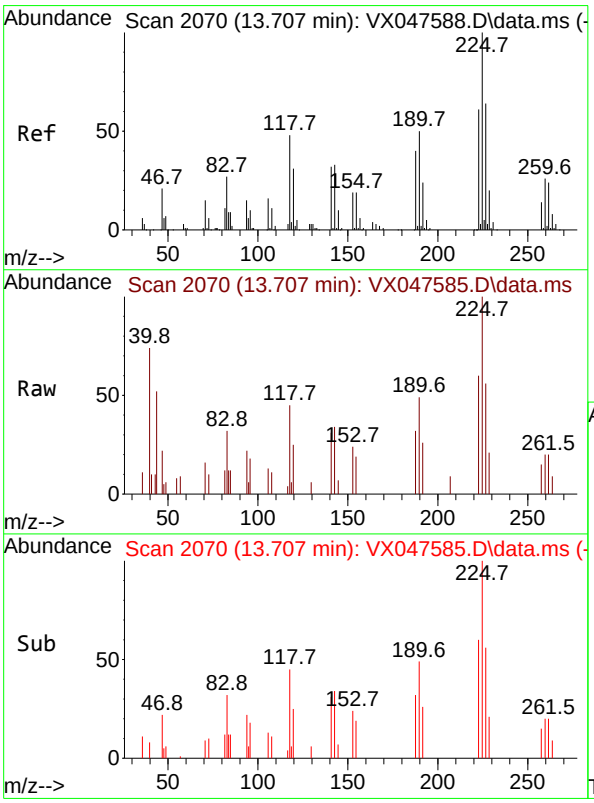
Ion	Ratio	Lower	Upper
180	100		
182	98.6	46.6	139.8
145	33.7	16.4	49.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

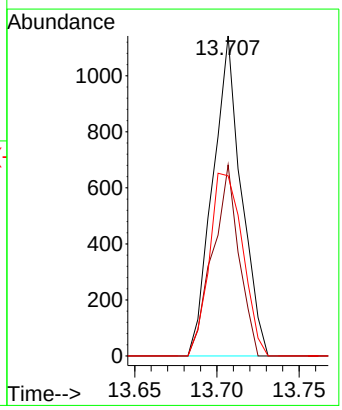
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

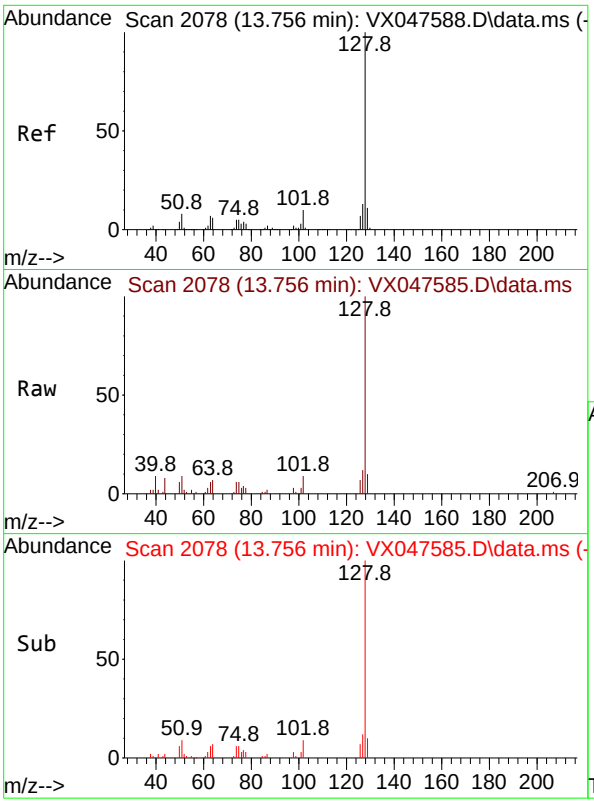


#94
Hexachlorobutadiene
Concen: 0.933 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:225 Resp: 1378

Ion	Ratio	Lower	Upper
225	100		
223	54.8	31.7	95.1
227	66.7	32.0	96.0

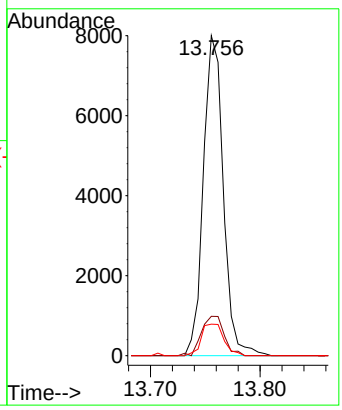




#95
Naphthalene
Concen: 0.763 ug/l
RT: 13.756 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:128 Resp: 1011

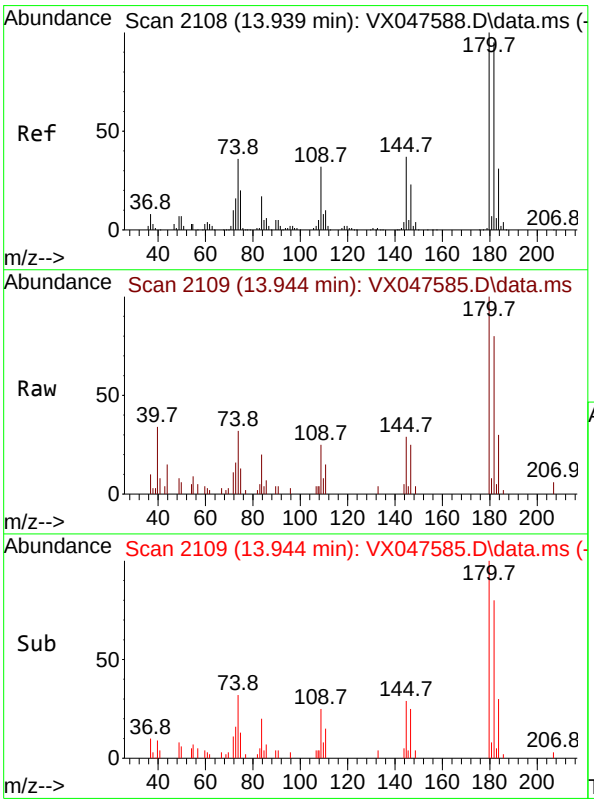
Ion	Ratio	Lower	Upper
128	100		
127	14.0	10.2	15.2
129	11.2	8.8	13.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

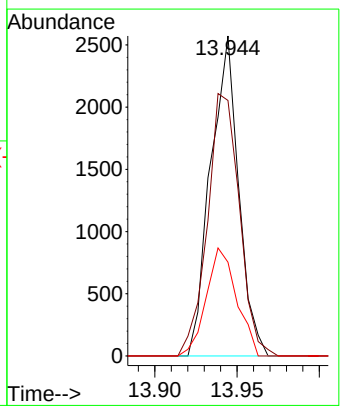
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025



#96
1,2,3-Trichlorobenzene
Concen: 0.752 ug/l
RT: 13.944 min Scan# 2109
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:180 Resp: 3043

Ion	Ratio	Lower	Upper
180	100		
182	93.7	47.6	142.8
145	36.6	17.9	53.7



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047586.D
Acq On : 16 Sep 2025 10:16
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

Quant Time: Sep 17 06:10:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:04:35 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.538	168	198376	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	355026	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	317288	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	156219	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	17538	5.554	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	11.100%#		
35) Dibromofluoromethane	5.373	113	12647	5.312	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	10.620%#		
50) Toluene-d8	8.635	98	43926	5.332	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	10.660%#		
62) 4-Bromofluorobenzene	11.061	95	16974	5.429	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	10.860%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.173	85	11403	5.551	ug/l	93
3) Chloromethane	1.301	50	14854	5.502	ug/l	99
4) Vinyl Chloride	1.380	62	14147	5.353	ug/l	97
5) Bromomethane	1.618	94	9780	5.836	ug/l	87
6) Chloroethane	1.697	64	8926	5.053	ug/l	96
7) Trichlorofluoromethane	1.898	101	20497	5.223	ug/l	100
8) Diethyl Ether	2.136	74	8039	5.008	ug/l	93
9) 1,1,2-Trichlorotrifluo...	2.331	101	11729	5.112	ug/l	98
10) Methyl Iodide	2.453	142	17159	4.795	ug/l	98
11) Tert butyl alcohol	2.947	59	8399	23.883	ug/l	99
12) 1,1-Dichloroethene	2.325	96	12131	5.147	ug/l	91
13) Acrolein	2.239	56	7080	21.847	ug/l	95
14) Allyl chloride	2.666	41	25135	5.168	ug/l	99
15) Acrylonitrile	3.062	53	32587	25.016	ug/l	99
16) Acetone	2.374	43	41297	30.079	ug/l	97
17) Carbon Disulfide	2.514	76	34426	5.335	ug/l	100
18) Methyl Acetate	2.703	43	13357	4.371	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	44396	5.160	ug/l	98
20) Methylene Chloride	2.788	84	15307	5.267	ug/l	94
21) trans-1,2-Dichloroethene	3.093	96	13937	5.492	ug/l	97
22) Diisopropyl ether	3.757	45	50213	5.327	ug/l	98
23) Vinyl Acetate	3.715	43	192175	25.474	ug/l	99
24) 1,1-Dichloroethane	3.611	63	26292	5.248	ug/l	97
25) 2-Butanone	4.544	43	46651	27.240	ug/l	92
26) 2,2-Dichloropropane	4.465	77	21738	5.220	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	15996	5.147	ug/l	98
28) Bromochloromethane	4.891	49	12047	5.508	ug/l	95
29) Tetrahydrofuran	4.995	42	26729	25.944	ug/l	92
30) Chloroform	5.080	83	27054	5.344	ug/l	99
31) Cyclohexane	5.458	56	23032	5.520	ug/l	94
32) 1,1,1-Trichloroethane	5.367	97	22279	5.188	ug/l	96
36) 1,1-Dichloropropene	5.684	75	18455	5.304	ug/l	98
37) Ethyl Acetate	4.708	43	19913	5.345	ug/l #	97
38) Carbon Tetrachloride	5.666	117	20376	5.390	ug/l	96
39) Methylcyclohexane	7.367	83	20900	5.292	ug/l	97
40) Benzene	6.019	78	55996	5.299	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047586.D
Acq On : 16 Sep 2025 10:16
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 17 06:10:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:04:35 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	4.904	41	9390	4.883 ug/l	95
42) 1,2-Dichloroethane	6.074	62	21117	5.252 ug/l	99
43) Isopropyl Acetate	6.324	43	31304	5.124 ug/l	99
44) Trichloroethene	7.111	130	13576	5.314 ug/l	97
45) 1,2-Dichloropropane	7.415	63	14305	5.287 ug/l	99
46) Dibromomethane	7.568	93	10133	5.146 ug/l	99
47) Bromodichloromethane	7.806	83	21270	5.235 ug/l	99
48) Methyl methacrylate	7.677	41	14959	4.915 ug/l	99
49) 1,4-Dioxane	7.653	88	3017	98.096 ug/l #	90
51) 4-Methyl-2-Pentanone	8.555	43	87492	25.828 ug/l	100
52) Toluene	8.702	92	34314	5.271 ug/l	98
53) t-1,3-Dichloropropene	8.964	75	20863	5.034 ug/l	97
54) cis-1,3-Dichloropropene	8.354	75	23157	5.227 ug/l	98
55) 1,1,2-Trichloroethane	9.135	97	12968	5.166 ug/l	91
56) Ethyl methacrylate	9.104	69	19980	5.068 ug/l	97
57) 1,3-Dichloropropane	9.293	76	22989	5.331 ug/l	100
58) 2-Chloroethyl Vinyl ether	8.226	63	37585	27.899 ug/l	98
59) 2-Hexanone	9.415	43	66356	27.275 ug/l	99
60) Dibromochloromethane	9.506	129	14705	5.084 ug/l	95
61) 1,2-Dibromoethane	9.592	107	13461	5.264 ug/l	98
64) Tetrachloroethene	9.256	164	11228	5.428 ug/l	97
65) Chlorobenzene	10.061	112	37507	5.203 ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.147	131	12807	5.149 ug/l	99
67) Ethyl Benzene	10.177	91	65908	5.299 ug/l	100
68) m/p-Xylenes	10.287	106	49132	10.613 ug/l	99
69) o-Xylene	10.628	106	23300	5.204 ug/l	98
70) Styrene	10.640	104	40872	5.210 ug/l	99
71) Bromoform	10.781	173	9298	5.006 ug/l #	97
73) Isopropylbenzene	10.945	105	61029	5.139 ug/l	100
74) N-amyl acetate	10.823	43	26969	4.980 ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.195	83	18462	5.138 ug/l	98
76) 1,2,3-Trichloropropane	11.220	75	15982m	4.927 ug/l	
77) Bromobenzene	11.183	156	15066	5.150 ug/l	99
78) n-propylbenzene	11.287	91	72900	5.192 ug/l	100
79) 2-Chlorotoluene	11.348	91	44663	5.194 ug/l	99
80) 1,3,5-Trimethylbenzene	11.433	105	50535	5.179 ug/l	99
81) trans-1,4-Dichloro-2-b...	11.000	75	5413	4.364 ug/l	91
82) 4-Chlorotoluene	11.439	91	52294	5.149 ug/l	100
83) tert-Butylbenzene	11.695	119	50350	5.041 ug/l	99
84) 1,2,4-Trimethylbenzene	11.732	105	51583	5.214 ug/l	100
85) sec-Butylbenzene	11.872	105	62507	5.268 ug/l	99
86) p-Isopropyltoluene	11.994	119	52674	5.244 ug/l	98
87) 1,3-Dichlorobenzene	11.951	146	28116	5.175 ug/l	100
88) 1,4-Dichlorobenzene	12.024	146	29519	5.294 ug/l	93
89) n-Butylbenzene	12.317	91	47953	5.159 ug/l	99
90) Hexachloroethane	12.518	117	8830	5.007 ug/l	100
91) 1,2-Dichlorobenzene	12.317	146	26409	5.102 ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.920	75	3412	4.690 ug/l	99
93) 1,2,4-Trichlorobenzene	13.567	180	17167	5.103 ug/l	98
94) Hexachlorobutadiene	13.707	225	5894	5.158 ug/l	99
95) Naphthalene	13.756	128	49257	4.808 ug/l	99
96) 1,2,3-Trichlorobenzene	13.939	180	15400	4.921 ug/l	97

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047586.D
Acq On : 16 Sep 2025 10:16
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

Quant Time: Sep 17 06:10:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:04:35 2025
Response via : Initial Calibration

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

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

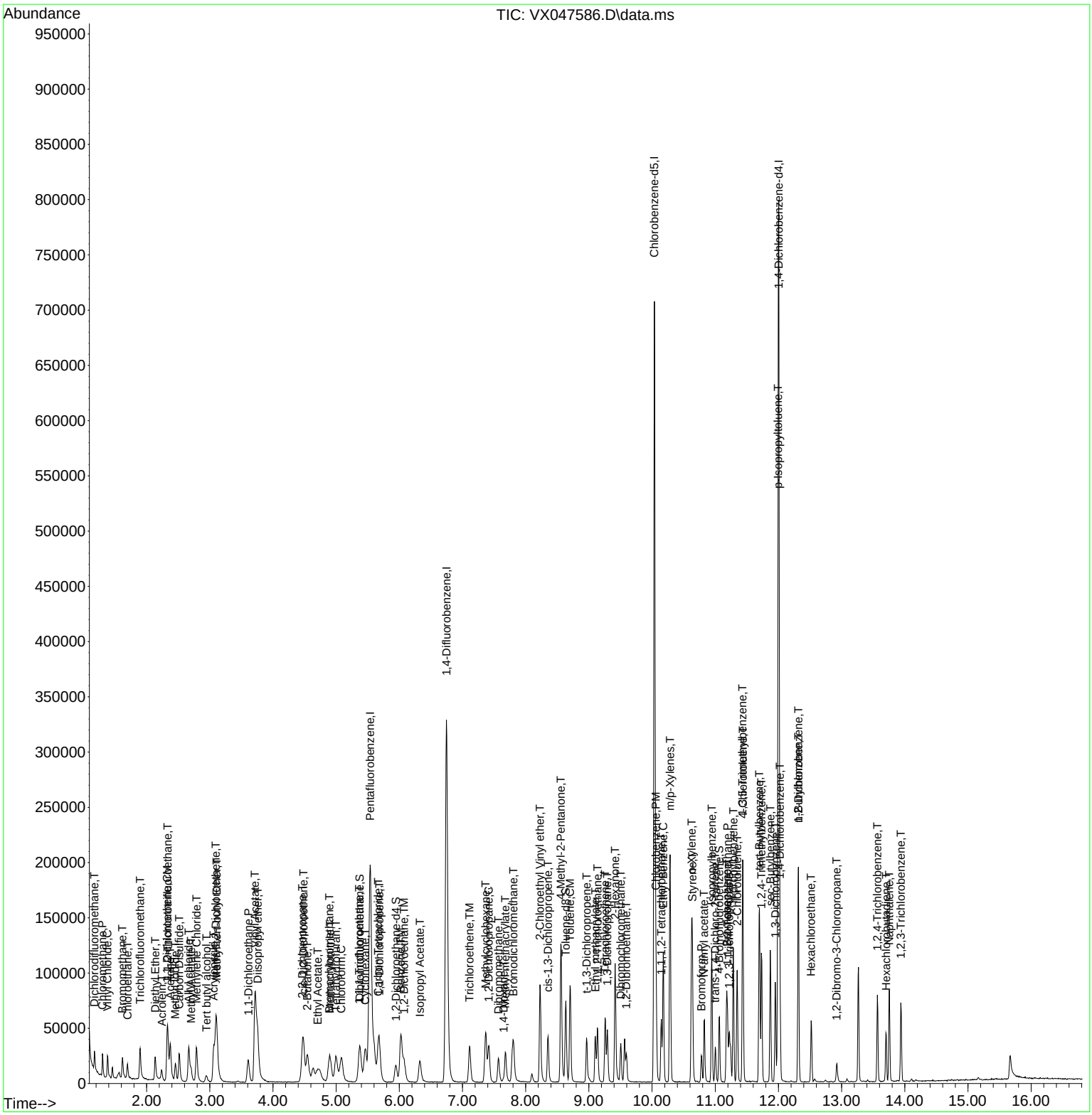
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047586.D
Acq On : 16 Sep 2025 10:16
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

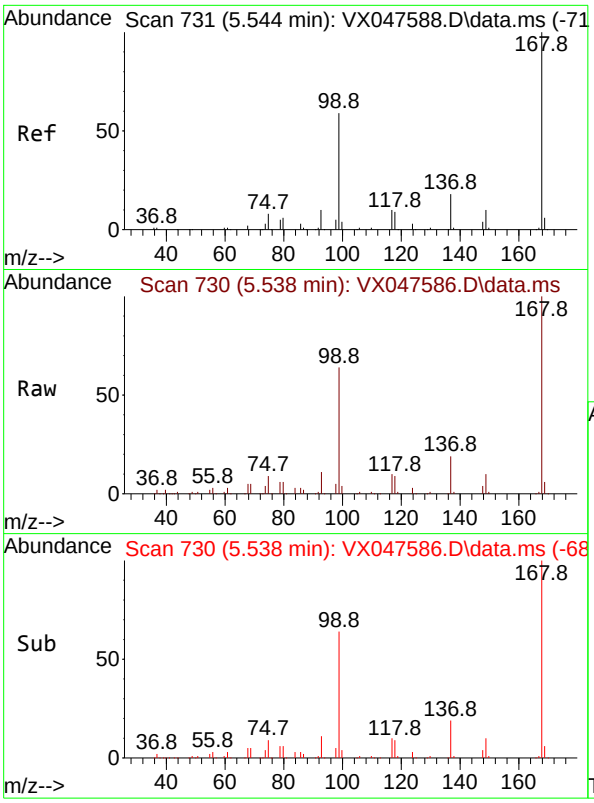
Quant Time: Sep 17 06:10:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:04:35 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

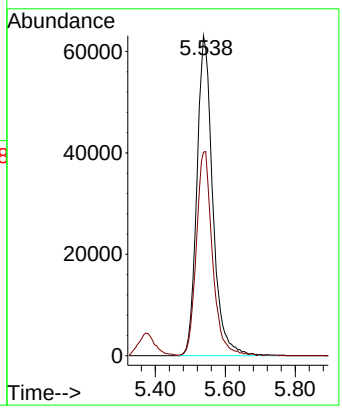




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:168 Resp: 19837

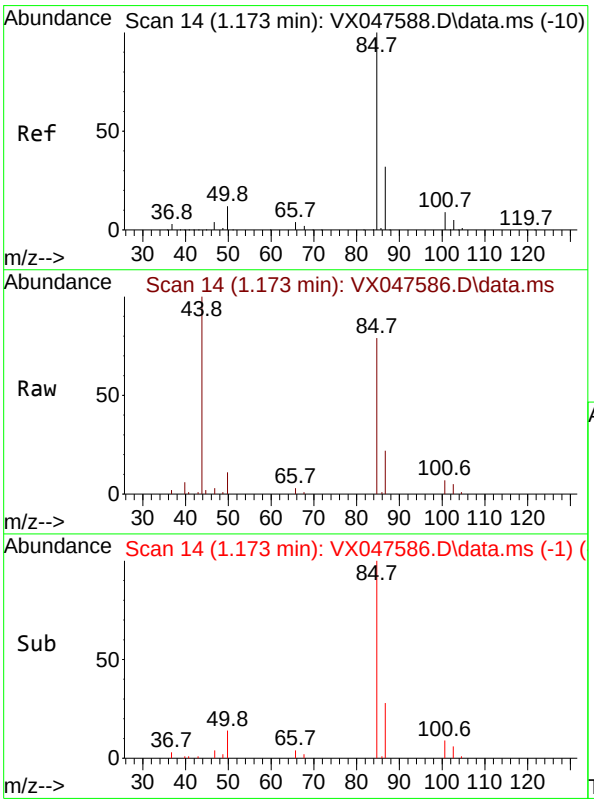
Ion	Ratio	Lower	Upper
168	100		
99	63.5	48.8	73.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

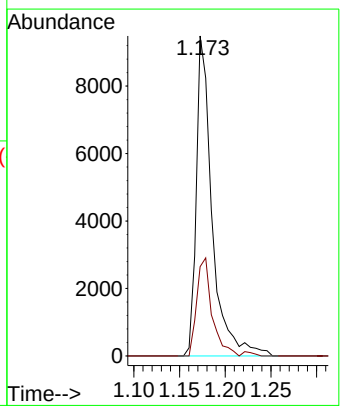
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

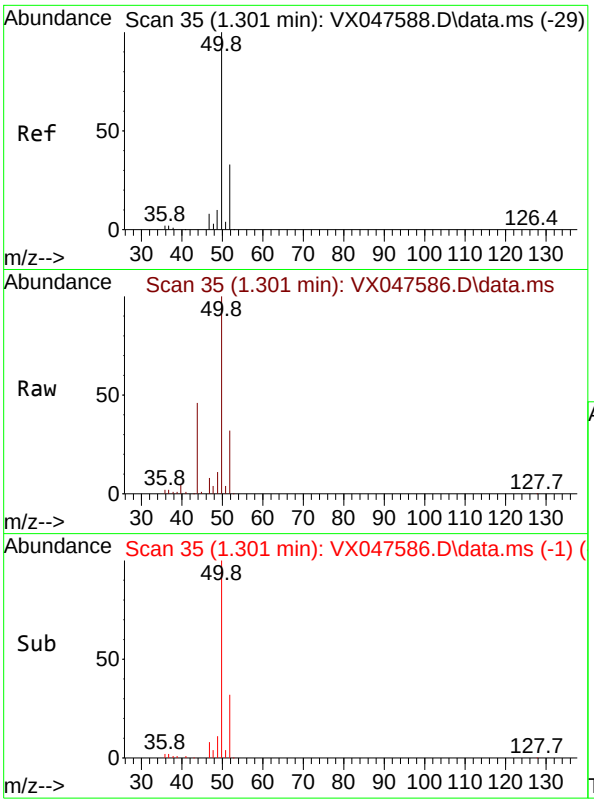


#2
Dichlorodifluoromethane
Concen: 5.551 ug/l
RT: 1.173 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 85 Resp: 11403

Ion	Ratio	Lower	Upper
85	100		
87	27.9	15.8	47.3

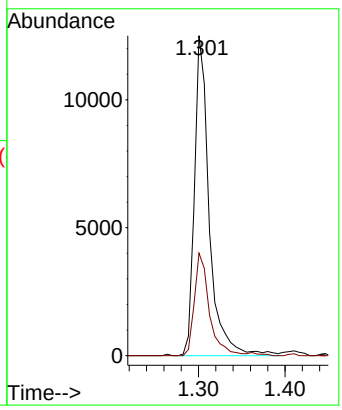




#3
Chloromethane
Concen: 5.502 ug/l
RT: 1.301 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 50 Resp: 1485

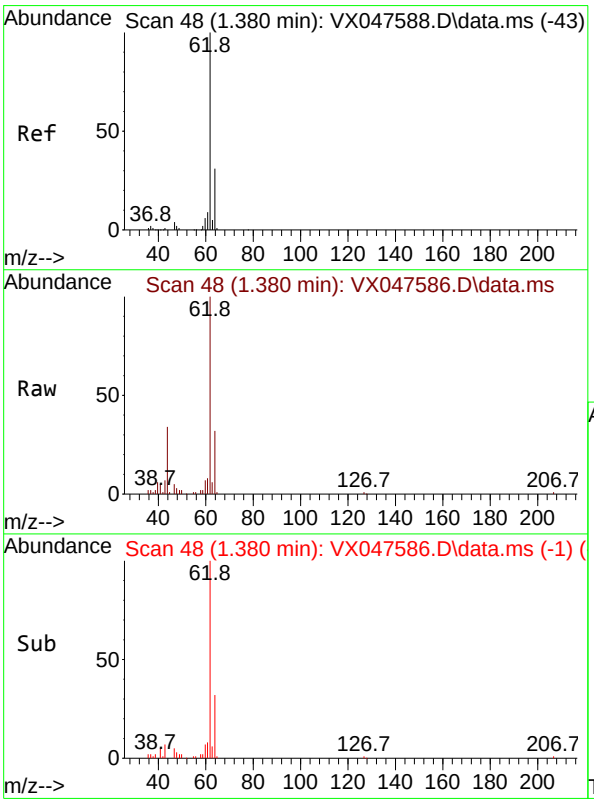
Ion	Ratio	Lower	Upper
50	100		
52	32.0	26.1	39.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

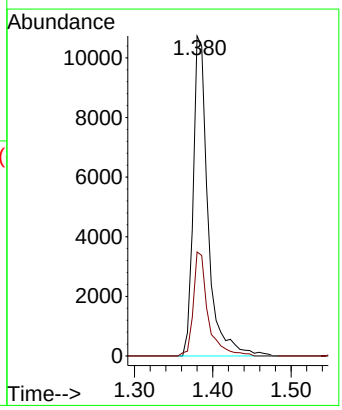
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

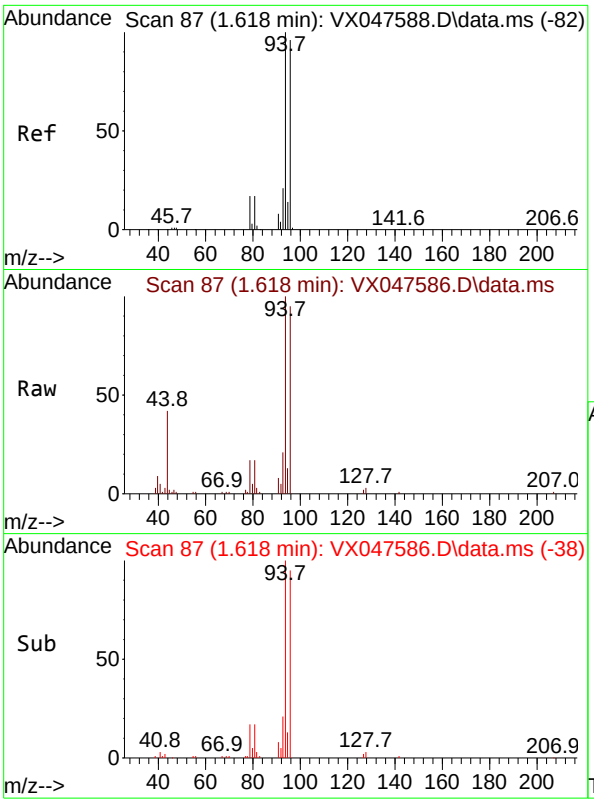


#4
Vinyl Chloride
Concen: 5.353 ug/l
RT: 1.380 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 62 Resp: 14147

Ion	Ratio	Lower	Upper
62	100		
64	32.5	24.9	37.3

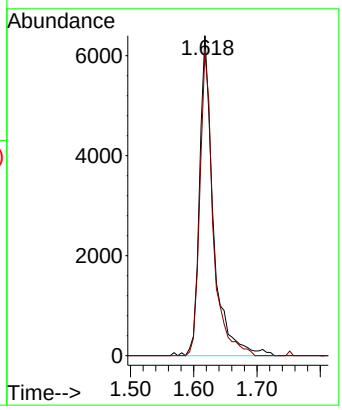




#5
Bromomethane
Concen: 5.836 ug/l
RT: 1.618 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 94 Resp: 978

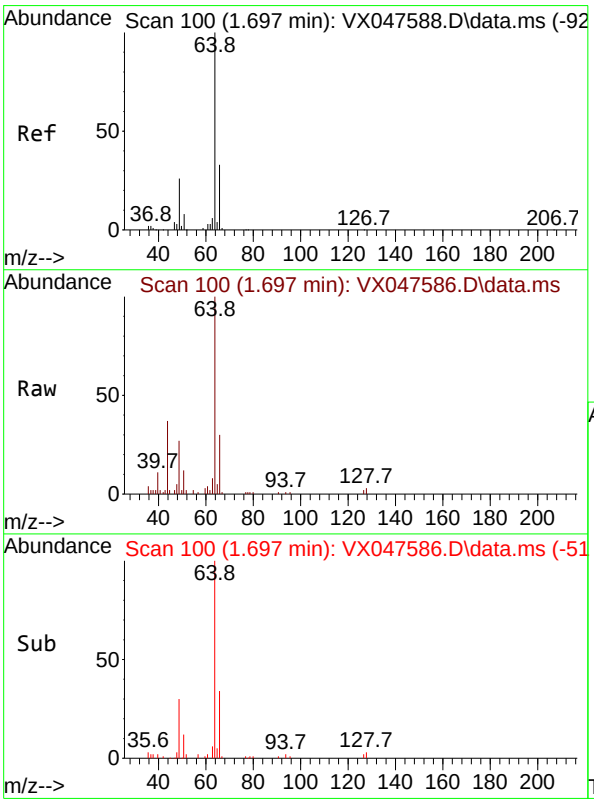
Ion	Ratio	Lower	Upper
94	100		
96	83.6	76.6	115.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

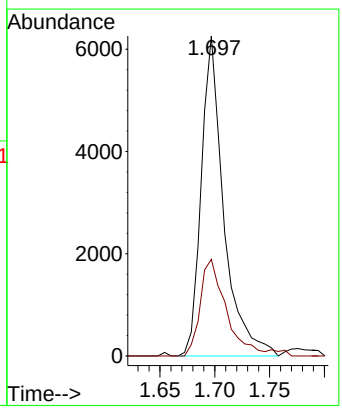
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

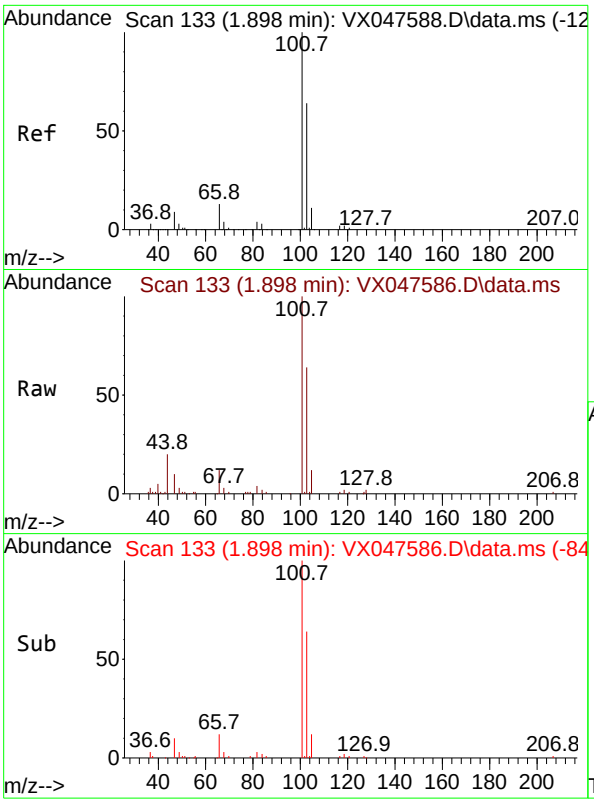


#6
Chloroethane
Concen: 5.053 ug/l
RT: 1.697 min Scan# 100
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 64 Resp: 8926

Ion	Ratio	Lower	Upper
64	100		
66	30.2	26.1	39.1

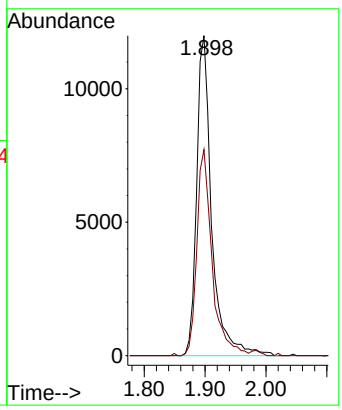




#7
Trichlorofluoromethane
Concen: 5.223 ug/l
RT: 1.898 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:101 Resp: 2049

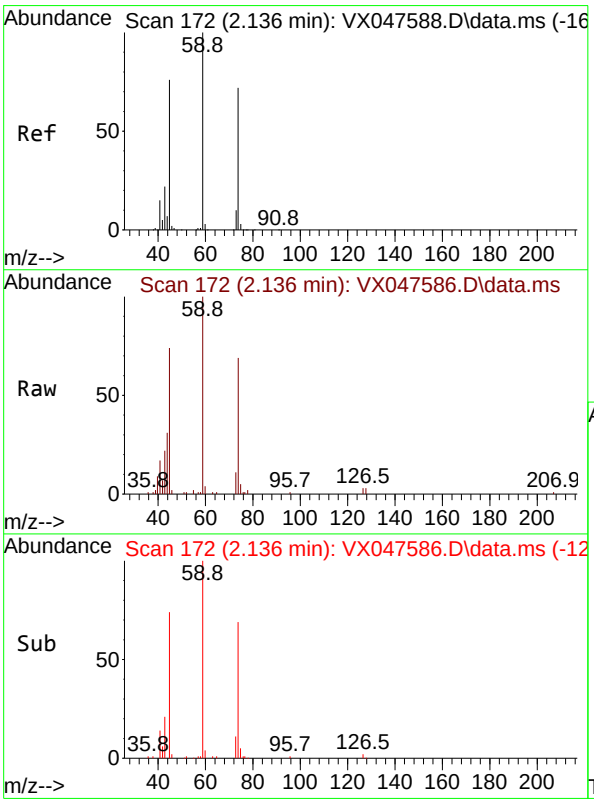
Ion	Ratio	Lower	Upper
101	100		
103	64.4	51.4	77.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

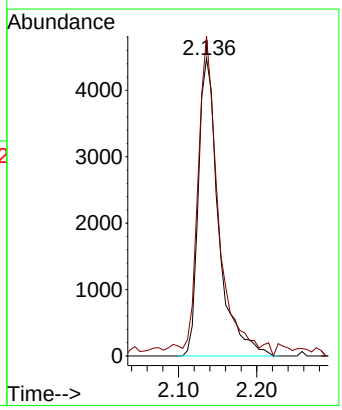
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

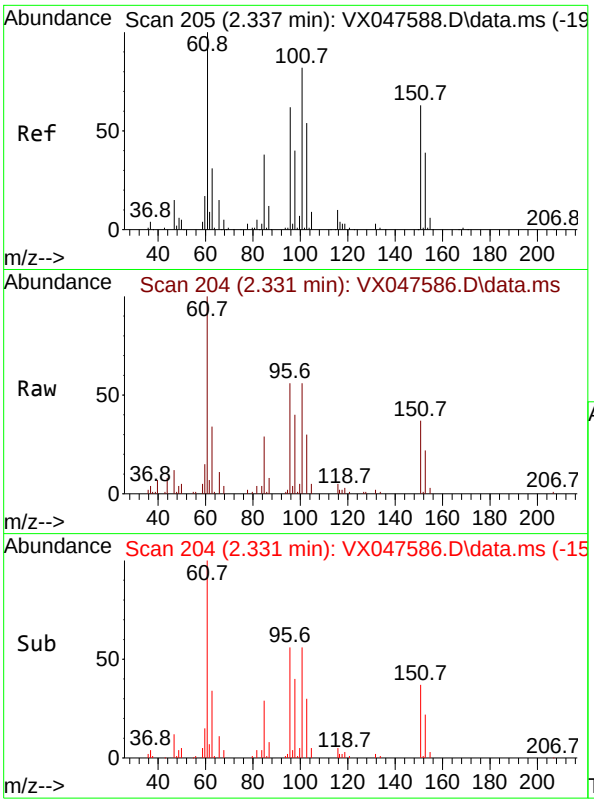


#8
Diethyl Ether
Concen: 5.008 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 74 Resp: 8039

Ion	Ratio	Lower	Upper
74	100		
45	111.7	52.3	156.8





#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.112 ug/l
RT: 2.331 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

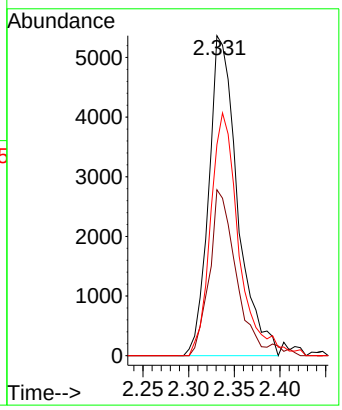
Tgt Ion:101 Resp: 1172

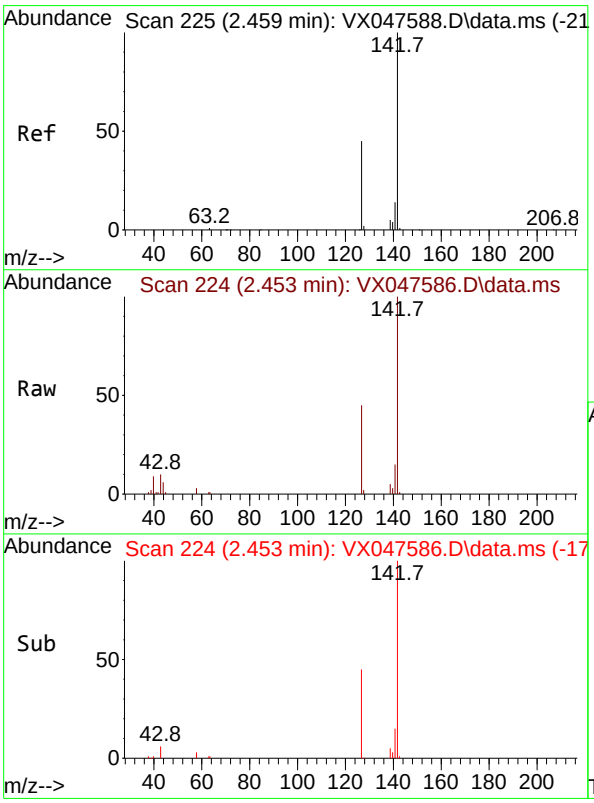
Ion	Ratio	Lower	Upper
101	100		
85	47.5	35.5	53.3
151	75.0	59.4	89.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

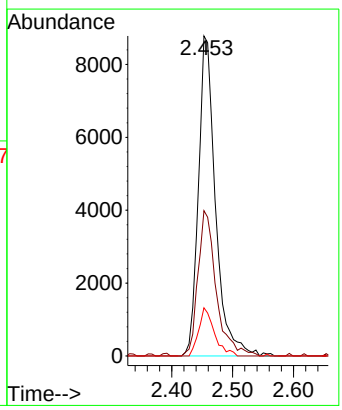


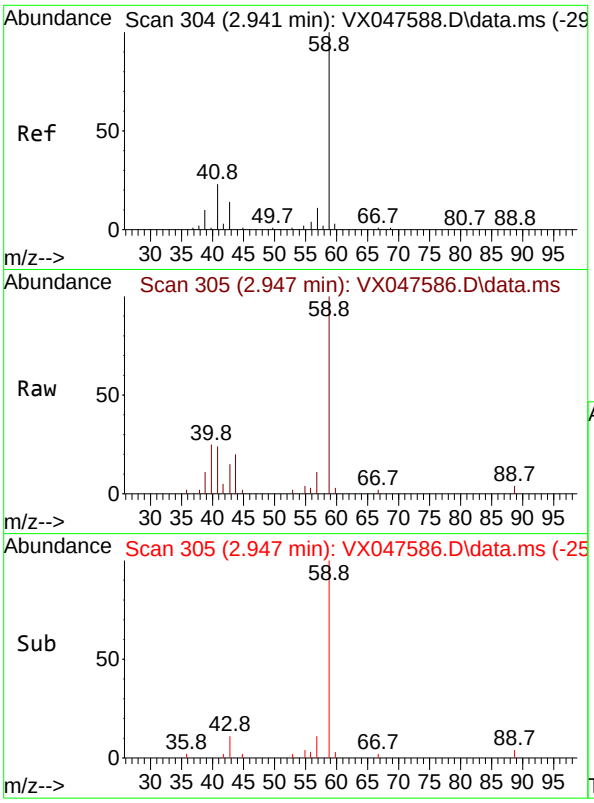


#10
Methyl Iodide
Concen: 4.795 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:142 Resp: 17159

Ion	Ratio	Lower	Upper
142	100		
127	48.4	37.2	55.8
141	13.8	11.4	17.0

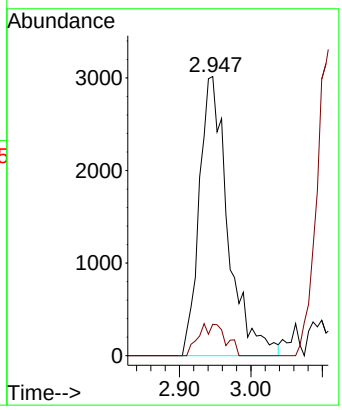




#11
Tert butyl alcohol
Concen: 23.883 ug/l
RT: 2.947 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 59 Resp: 839

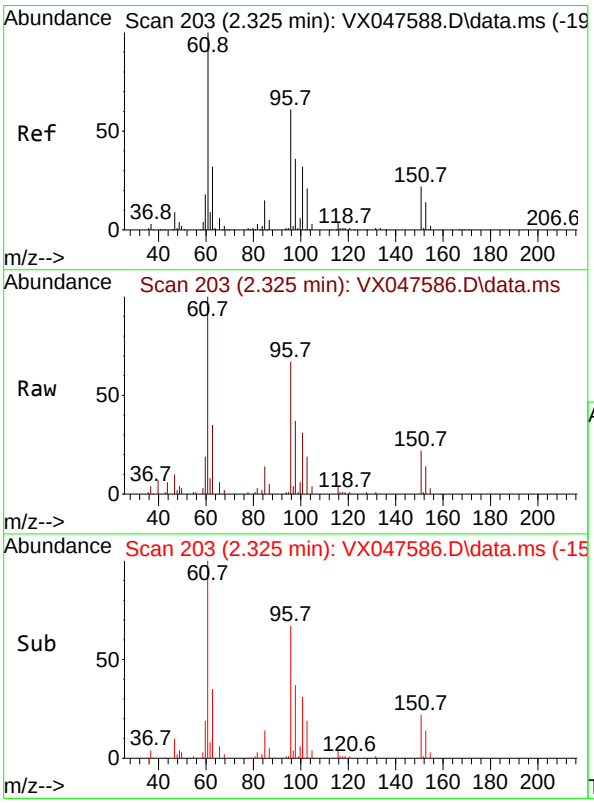
Ion	Ratio	Lower	Upper
59	100		
57	10.8	8.3	12.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

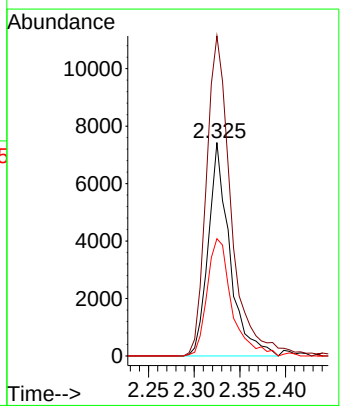
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

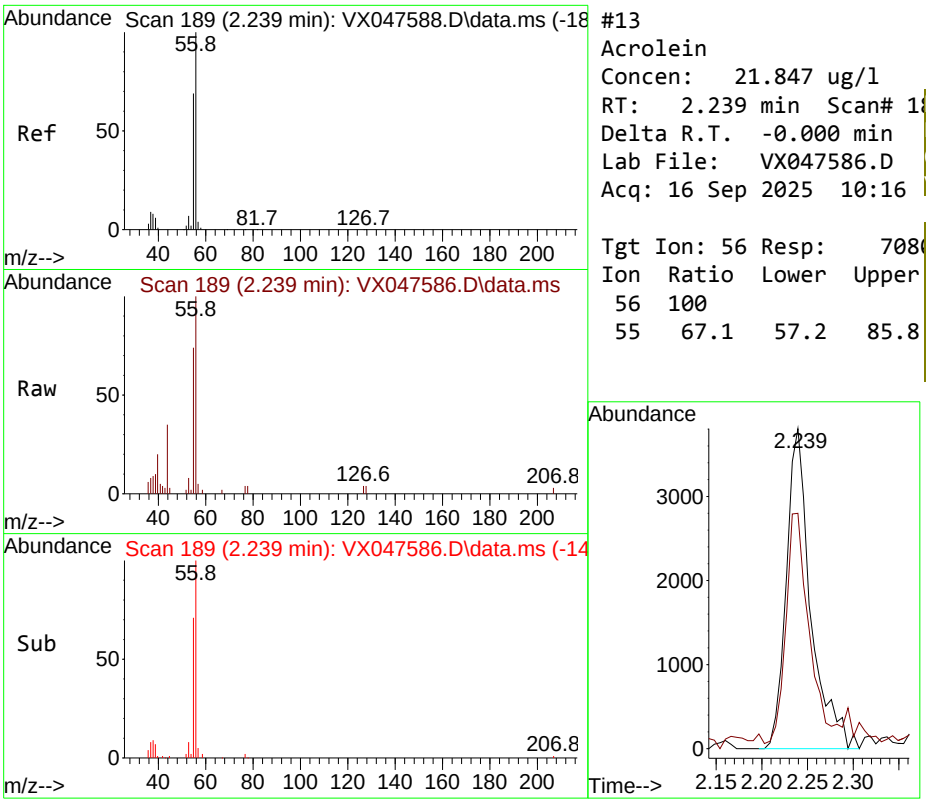


#12
1,1-Dichloroethene
Concen: 5.147 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 96 Resp: 12131

Ion	Ratio	Lower	Upper
96	100		
61	149.9	131.0	196.6
98	54.9	47.7	71.5





#13
Acrolein
Concen: 21.847 ug/l
RT: 2.239 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

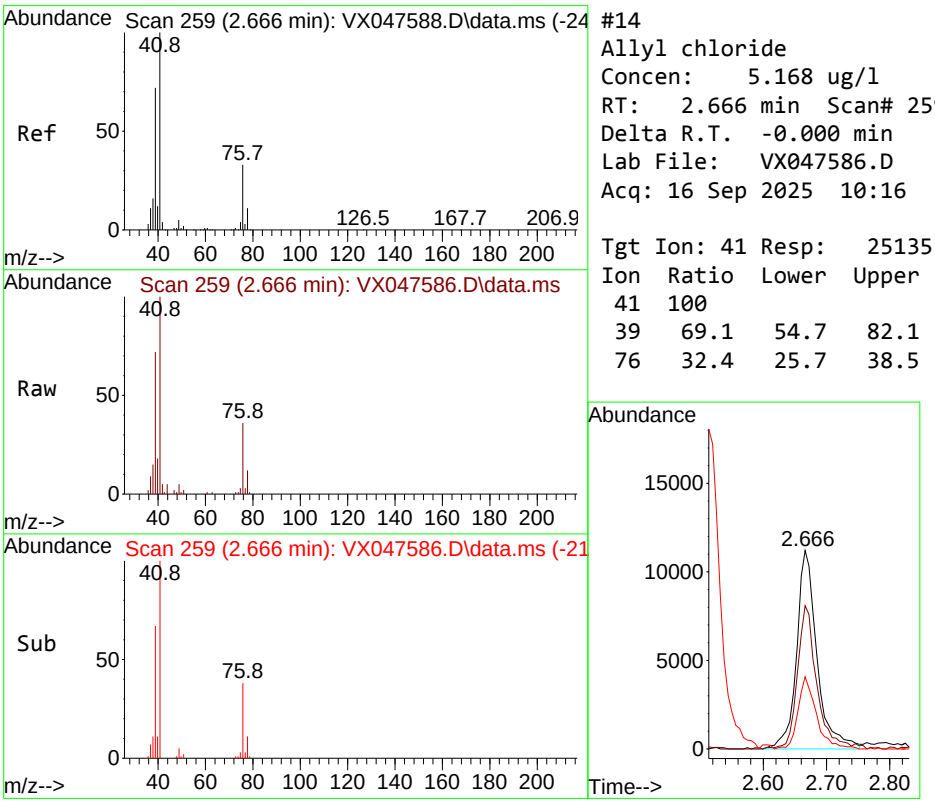
Tgt Ion: 56 Resp: 708

Ion	Ratio	Lower	Upper
56	100		
55	67.1	57.2	85.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

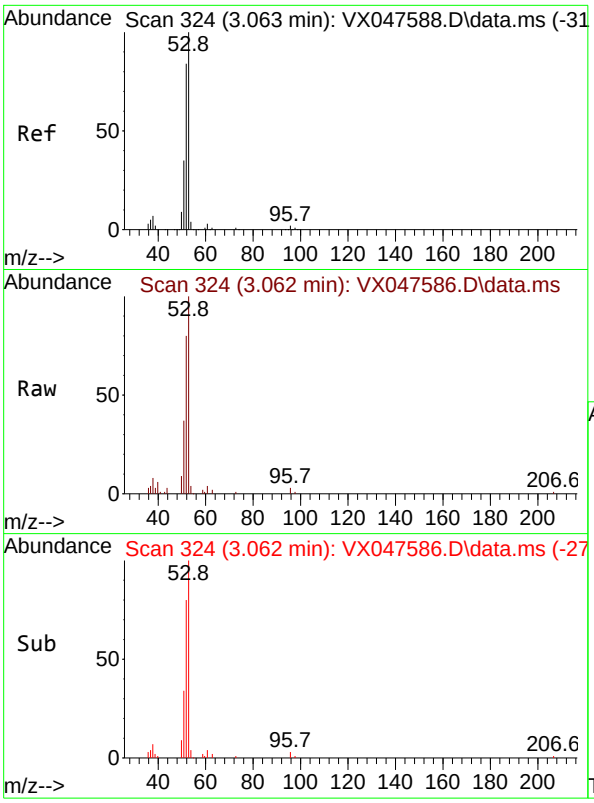
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025



#14
Allyl chloride
Concen: 5.168 ug/l
RT: 2.666 min Scan# 259
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 41 Resp: 25135

Ion	Ratio	Lower	Upper
41	100		
39	69.1	54.7	82.1
76	32.4	25.7	38.5



#15
Acrylonitrile
Concen: 25.016 ug/l
RT: 3.062 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

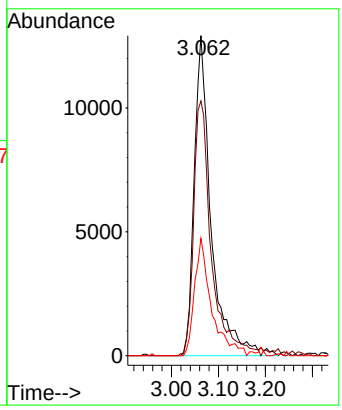
Tgt Ion: 53 Resp: 3258

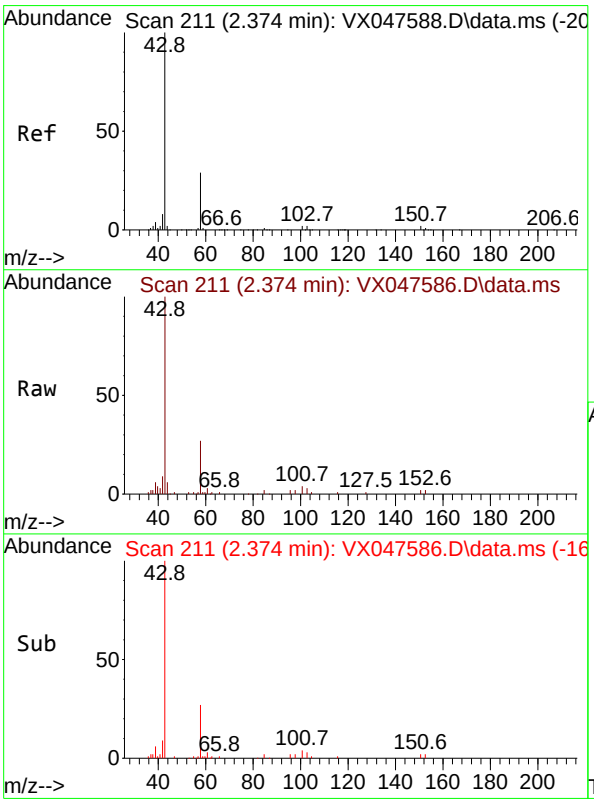
Ion	Ratio	Lower	Upper
53	100		
52	82.2	66.4	99.6
51	36.5	29.5	44.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

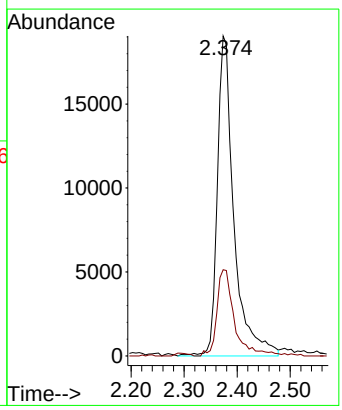


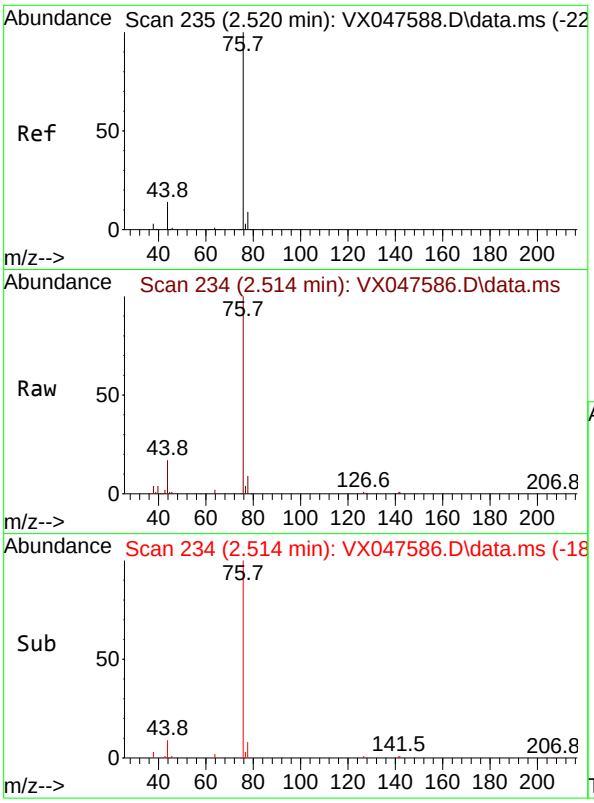


#16
Acetone
Concen: 30.079 ug/l
RT: 2.374 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 43 Resp: 41297

Ion	Ratio	Lower	Upper
43	100		
58	27.6	23.4	35.0

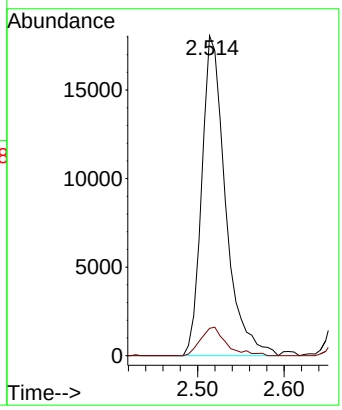




#17
Carbon Disulfide
Concen: 5.335 ug/l
RT: 2.514 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 76 Resp: 3442

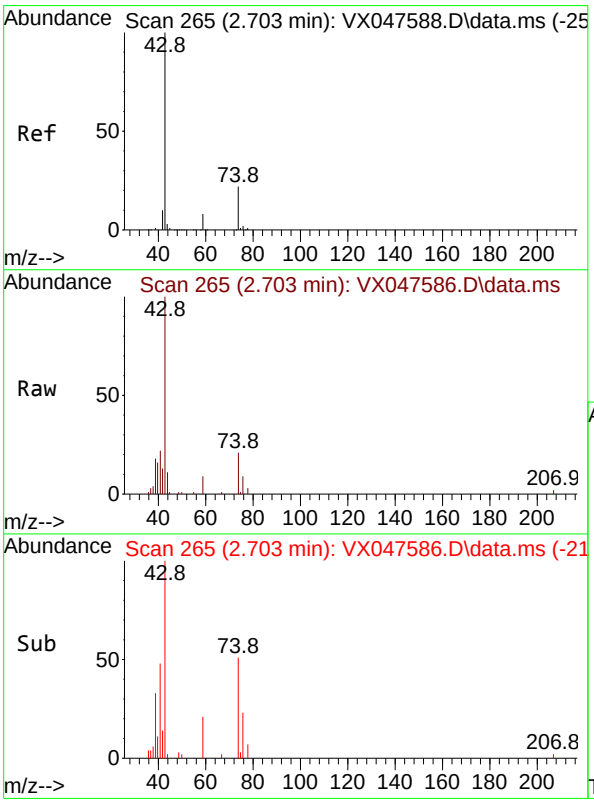
Ion	Ratio	Lower	Upper
76	100		
78	8.6	6.8	10.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

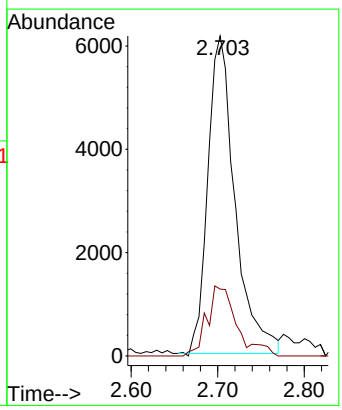
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

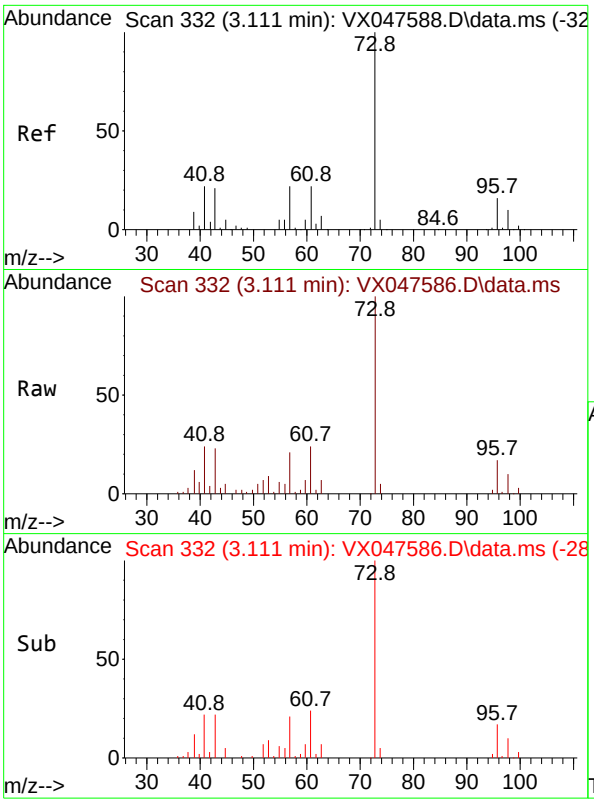


#18
Methyl Acetate
Concen: 4.371 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 43 Resp: 13357

Ion	Ratio	Lower	Upper
43	100		
74	22.9	17.4	26.2

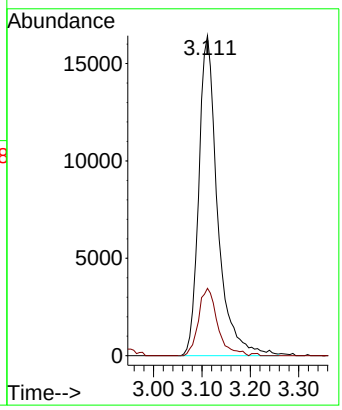




#19
Methyl tert-butyl Ether
Concen: 5.160 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 73 Resp: 4439

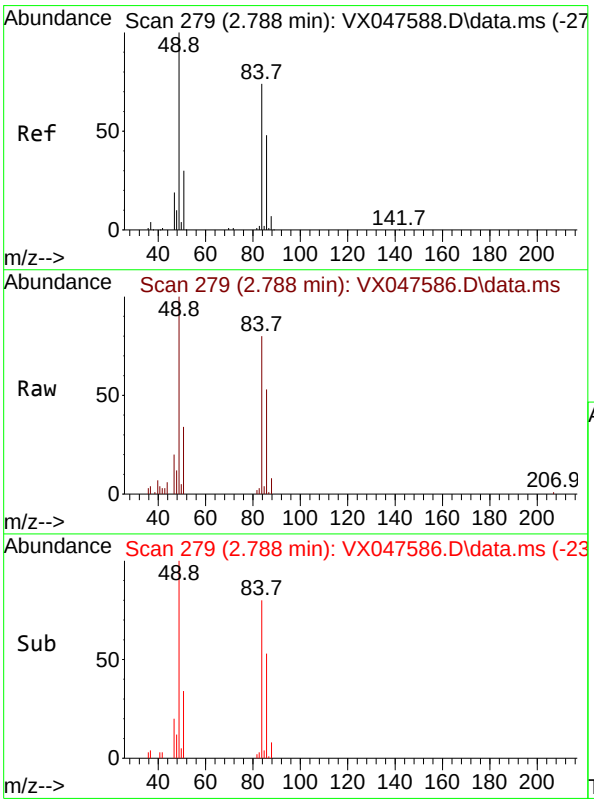
Ion	Ratio	Lower	Upper
73	100		
57	21.0	17.4	26.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

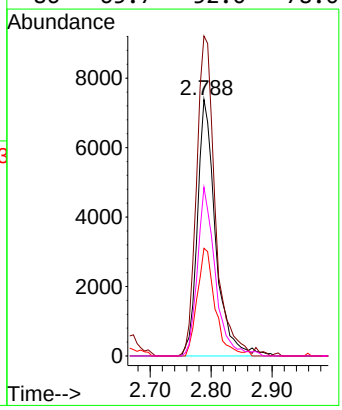
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

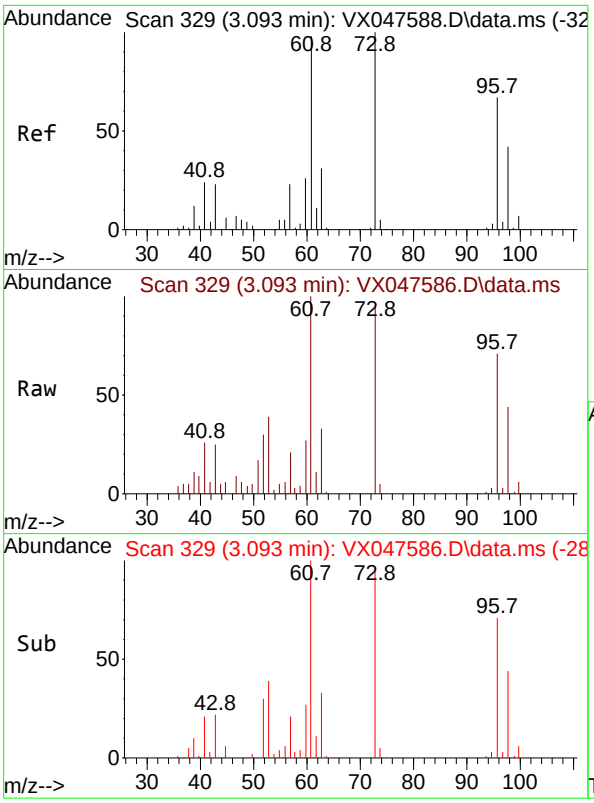


#20
Methylene Chloride
Concen: 5.267 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 84 Resp: 15307

Ion	Ratio	Lower	Upper
84	100		
49	124.7	108.6	162.8
51	42.0	32.6	48.8
86	65.7	52.0	78.0

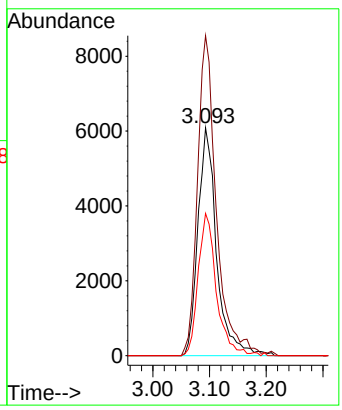




#21
trans-1,2-Dichloroethene
Concen: 5.492 ug/l
RT: 3.093 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 96 Resp: 1393

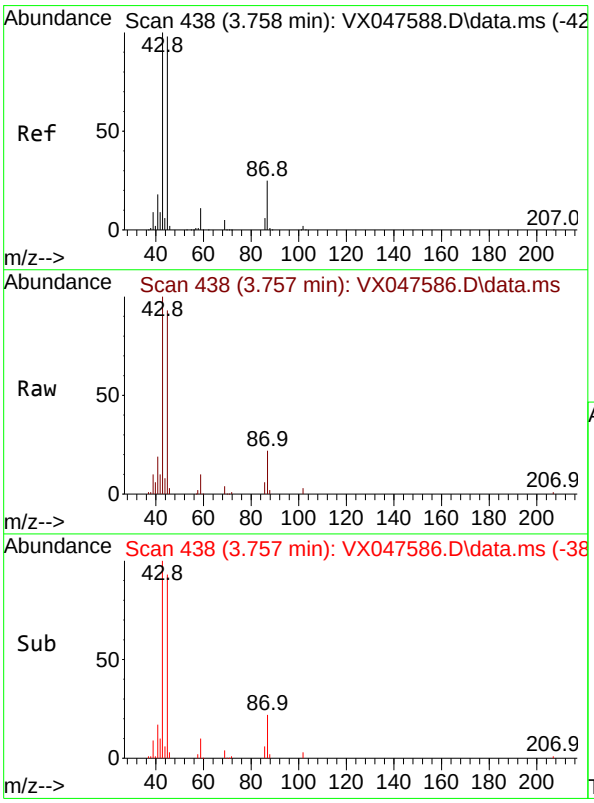
Ion	Ratio	Lower	Upper
96	100		
61	140.4	116.2	174.2
98	62.4	49.3	73.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

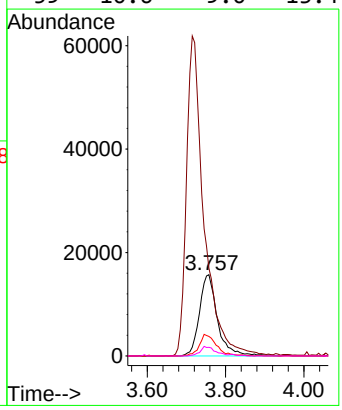
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

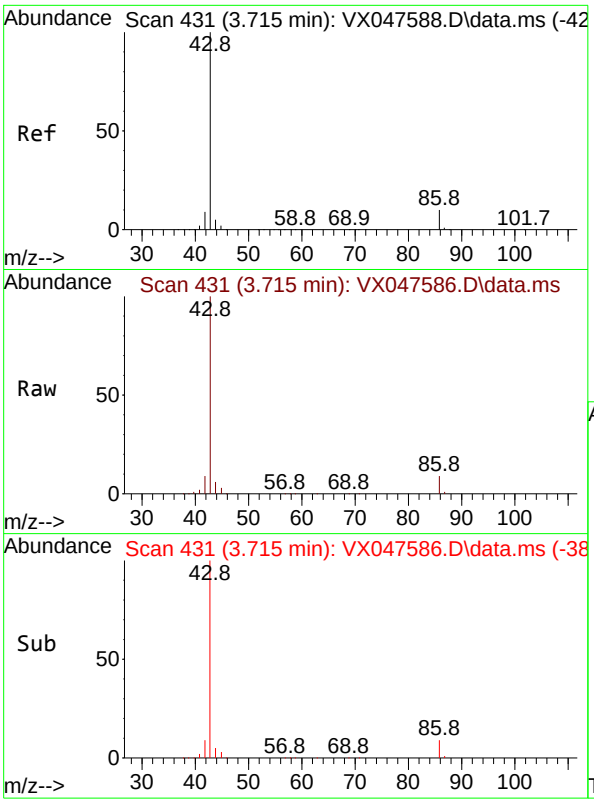


#22
Diisopropyl ether
Concen: 5.327 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 45 Resp: 50213

Ion	Ratio	Lower	Upper
45	100		
43	102.8	81.0	121.4
87	23.3	20.3	30.5
59	10.6	9.0	13.4





#23
Vinyl Acetate
Concen: 25.474 ug/l
RT: 3.715 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

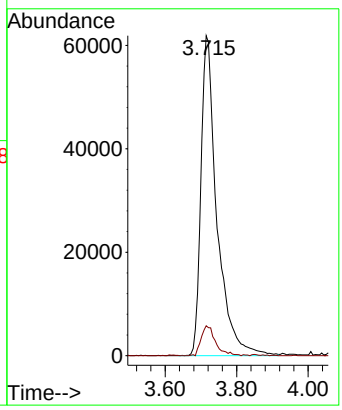
Tgt Ion: 43 Resp: 19217

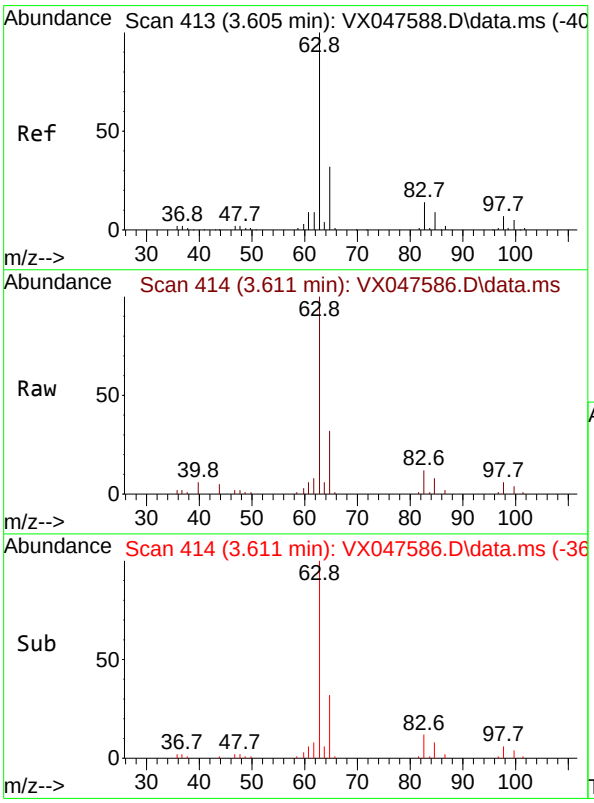
Ion	Ratio	Lower	Upper
43	100		
86	9.4	7.8	11.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

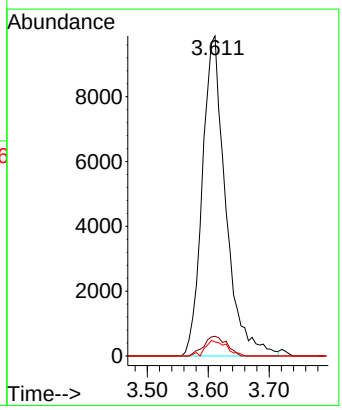


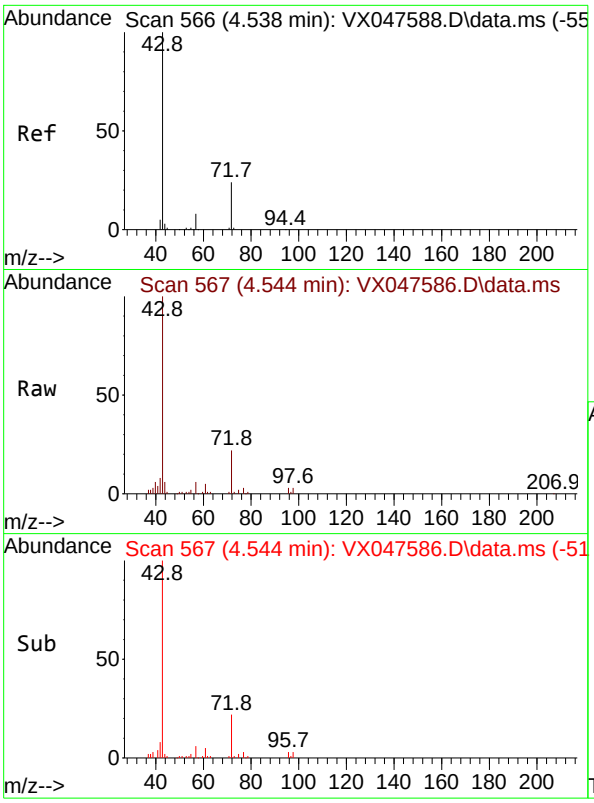


#24
1,1-Dichloroethane
Concen: 5.248 ug/l
RT: 3.611 min Scan# 414
Delta R.T. 0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 63 Resp: 26292

Ion	Ratio	Lower	Upper
63	100		
98	6.2	3.8	11.2
100	4.4	2.3	6.9





#25
2-Butanone
Concen: 27.240 ug/l
RT: 4.544 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

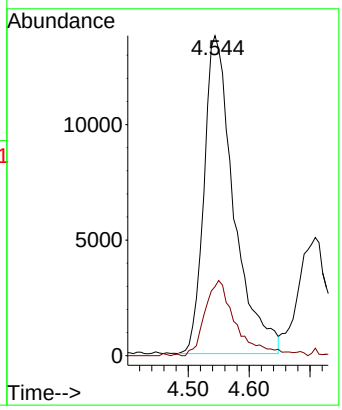
Tgt Ion: 43 Resp: 4665

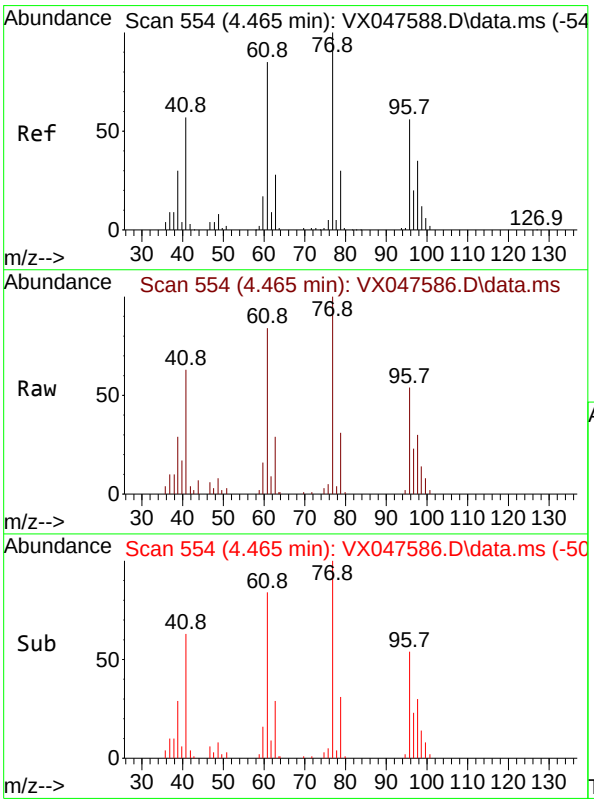
Ion	Ratio	Lower	Upper
43	100		
72	21.3	20.1	30.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

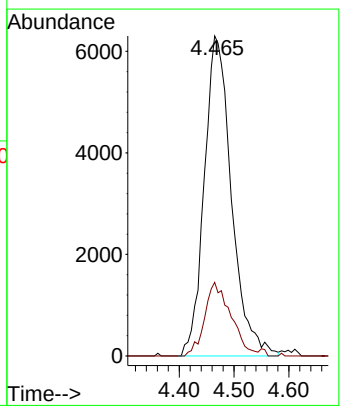


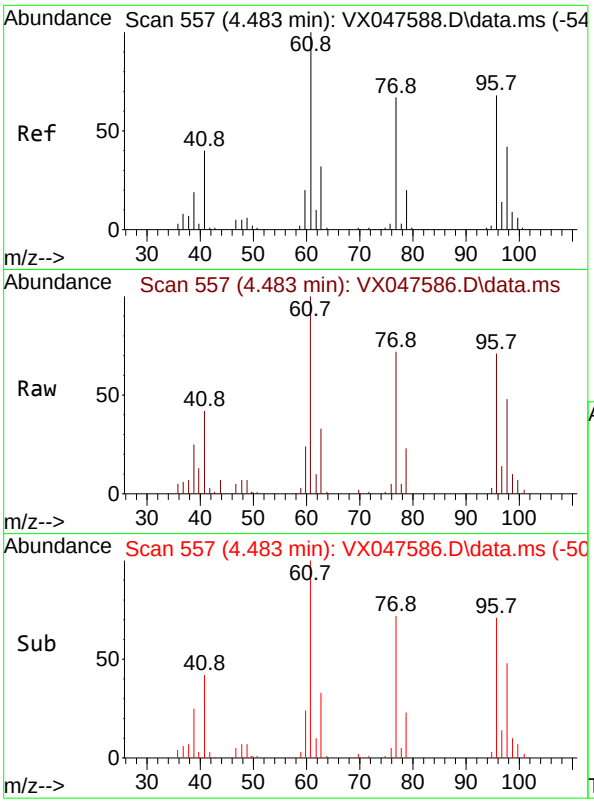


#26
2,2-Dichloropropane
Concen: 5.220 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 77 Resp: 21738

Ion	Ratio	Lower	Upper
77	100		
97	22.2	10.9	32.7

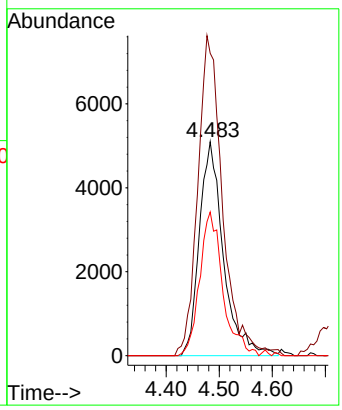




#27
cis-1,2-Dichloroethene
Concen: 5.147 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 96 Resp: 1599

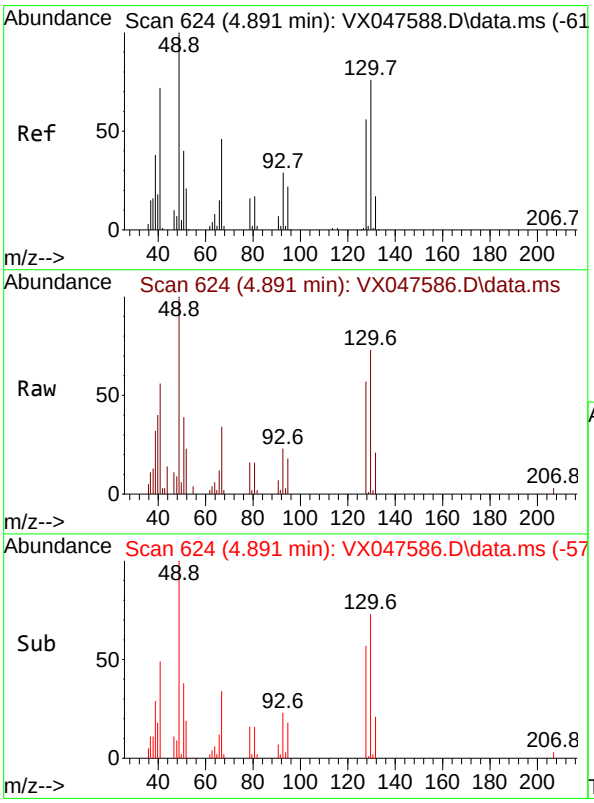
Ion	Ratio	Lower	Upper
96	100		
61	154.4	0.0	303.2
98	64.8	0.0	127.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

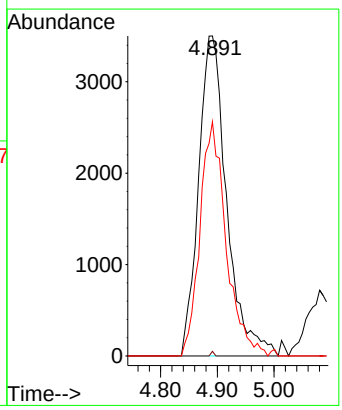
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

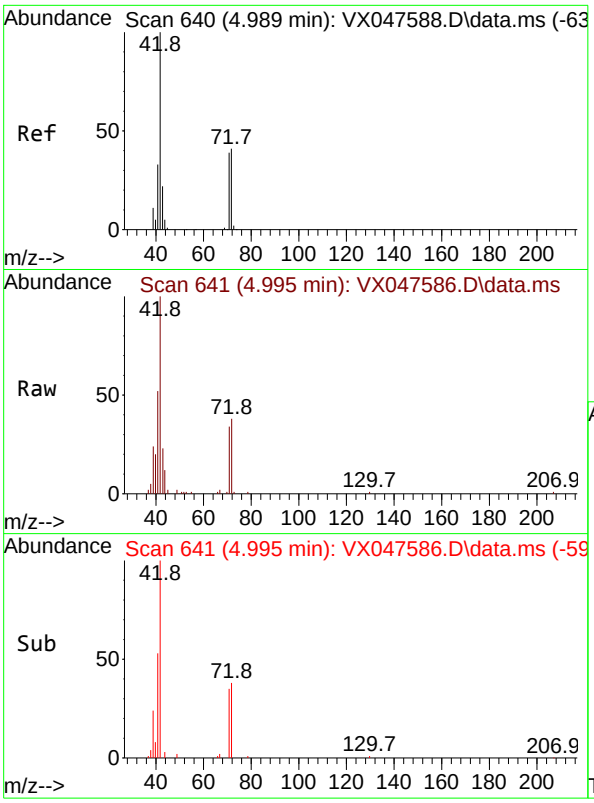


#28
Bromochloromethane
Concen: 5.508 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 49 Resp: 12047

Ion	Ratio	Lower	Upper
49	100		
129	0.2	0.0	3.2
130	68.0	57.8	86.8





#29
Tetrahydrofuran
Concen: 25.944 ug/l
RT: 4.995 min Scan# 64
Delta R.T. 0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

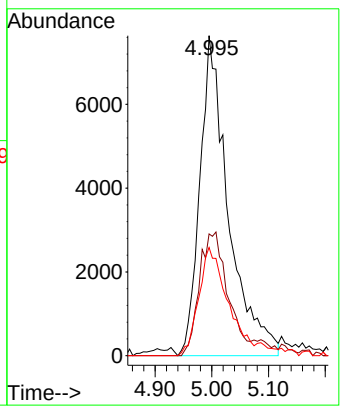
Tgt Ion: 42 Resp: 2672

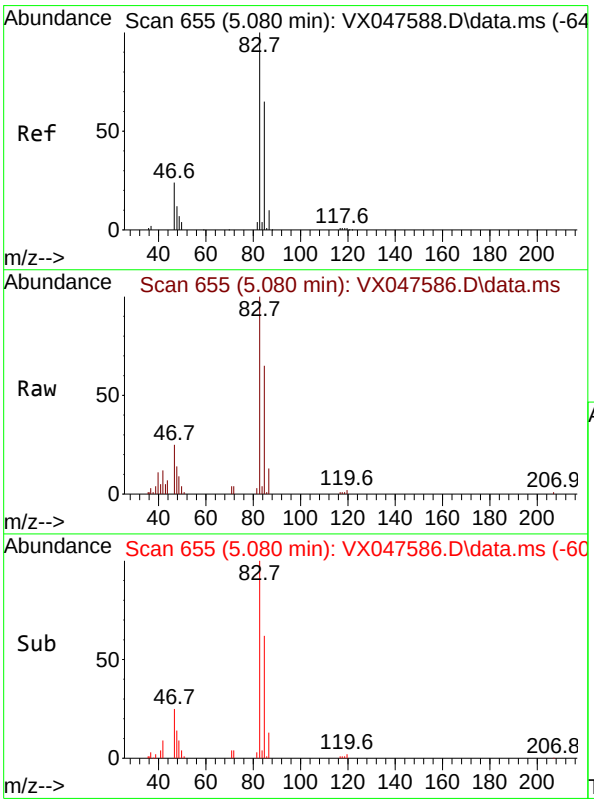
Ion	Ratio	Lower	Upper
42	100		
72	38.7	34.2	51.2
71	34.1	31.9	47.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

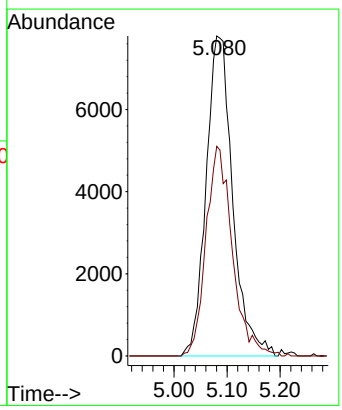


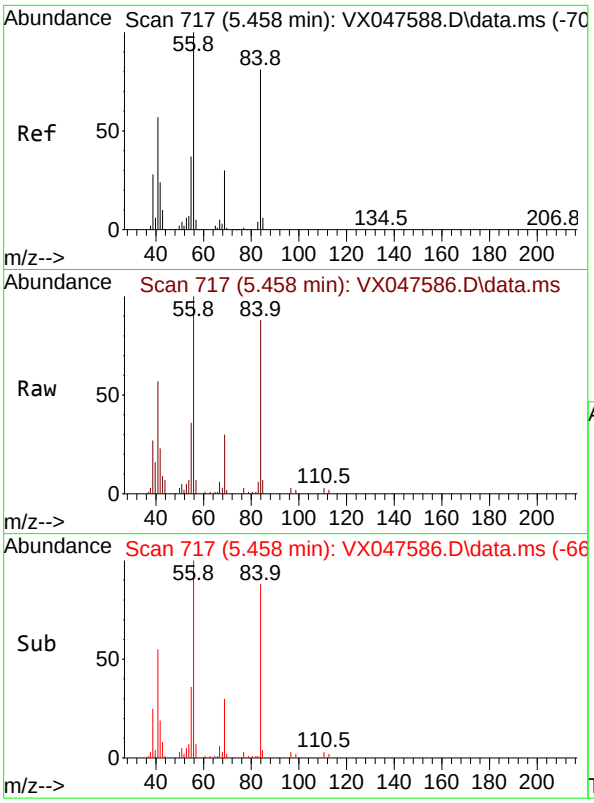


#30
Chloroform
Concen: 5.344 ug/l
RT: 5.080 min Scan# 655
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 83 Resp: 27054

Ion	Ratio	Lower	Upper
83	100		
85	65.5	51.8	77.6





#31
Cyclohexane
Concen: 5.520 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

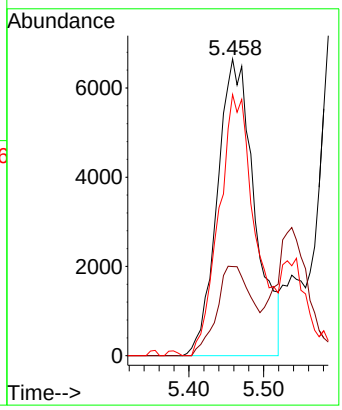
Tgt Ion: 56 Resp: 2303

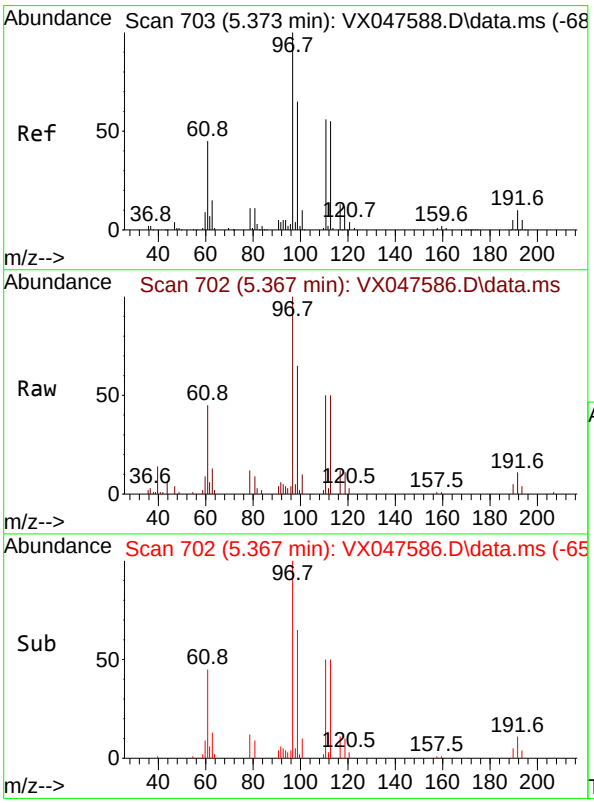
Ion	Ratio	Lower	Upper
56	100		
69	32.2	23.8	35.8
84	87.1	64.6	97.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

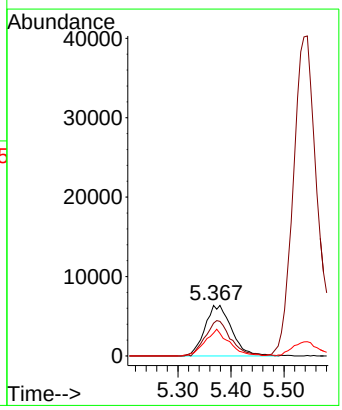


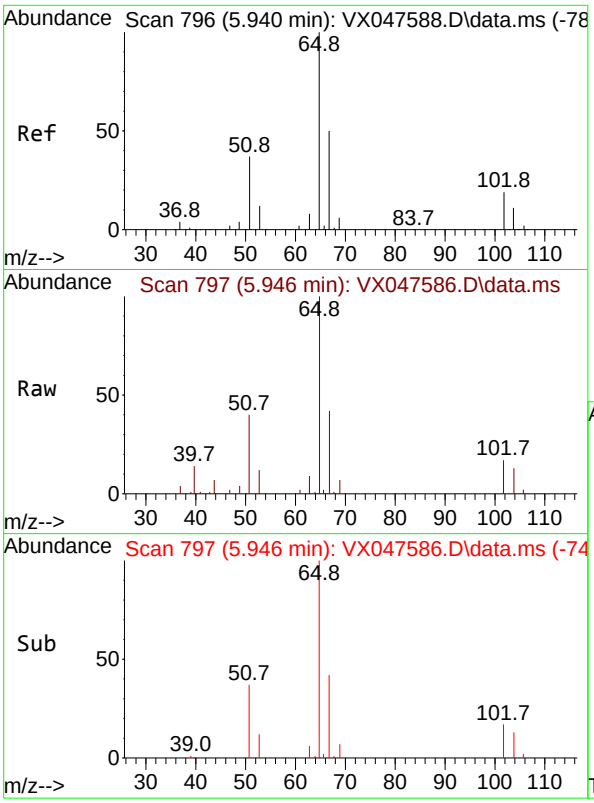


#32
1,1,1-Trichloroethane
Concen: 5.188 ug/l
RT: 5.367 min Scan# 702
Delta R.T. -0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 97 Resp: 22279

Ion	Ratio	Lower	Upper
97	100		
99	66.4	50.6	76.0
61	47.4	35.8	53.8

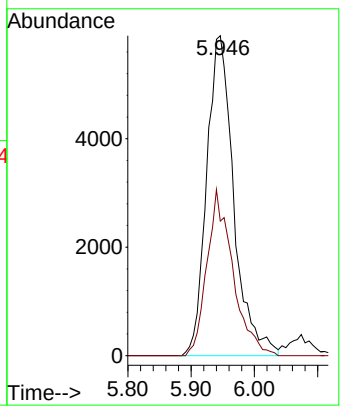




#33
1,2-Dichloroethane-d4
Concen: 5.554 ug/l
RT: 5.946 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 65 Resp: 1753

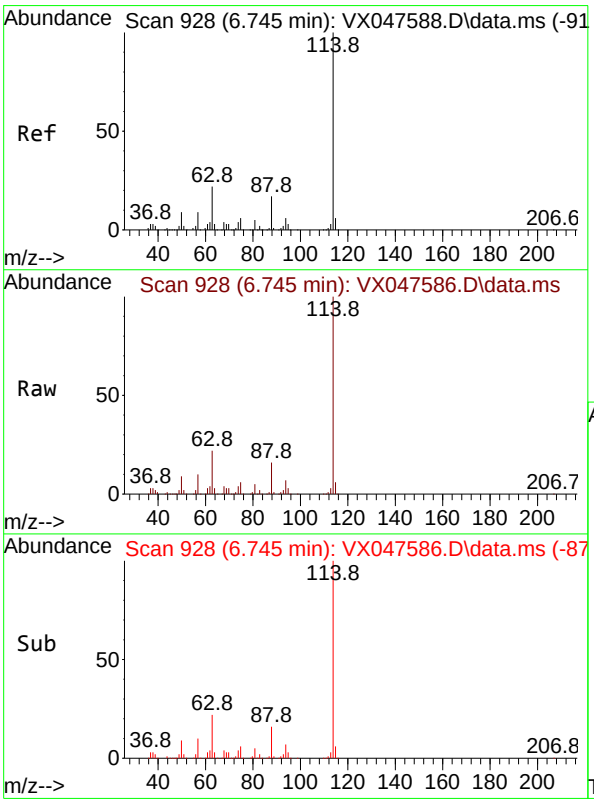
Ion	Ratio	Lower	Upper
65	100		
67	49.7	0.0	103.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

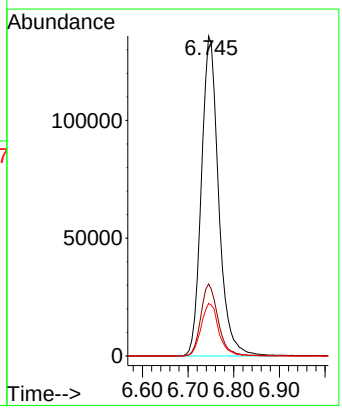
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

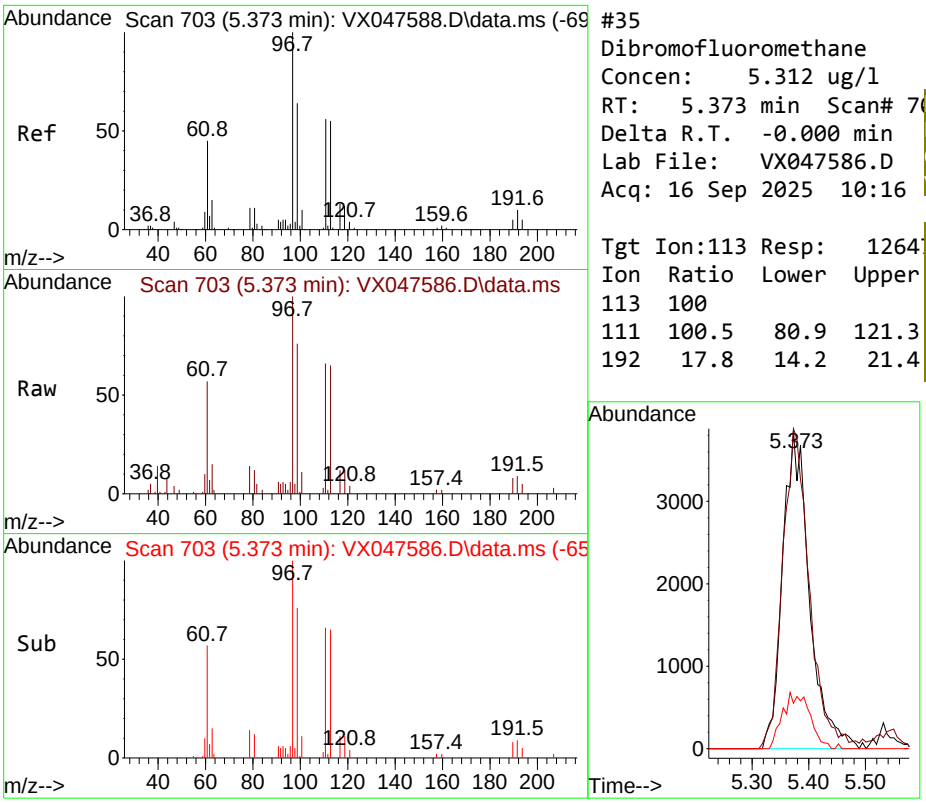


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 928
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:114 Resp: 355026

Ion	Ratio	Lower	Upper
114	100		
63	22.5	0.0	44.0
88	16.4	0.0	34.2





#35
Dibromofluoromethane
Concen: 5.312 ug/l
RT: 5.373 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

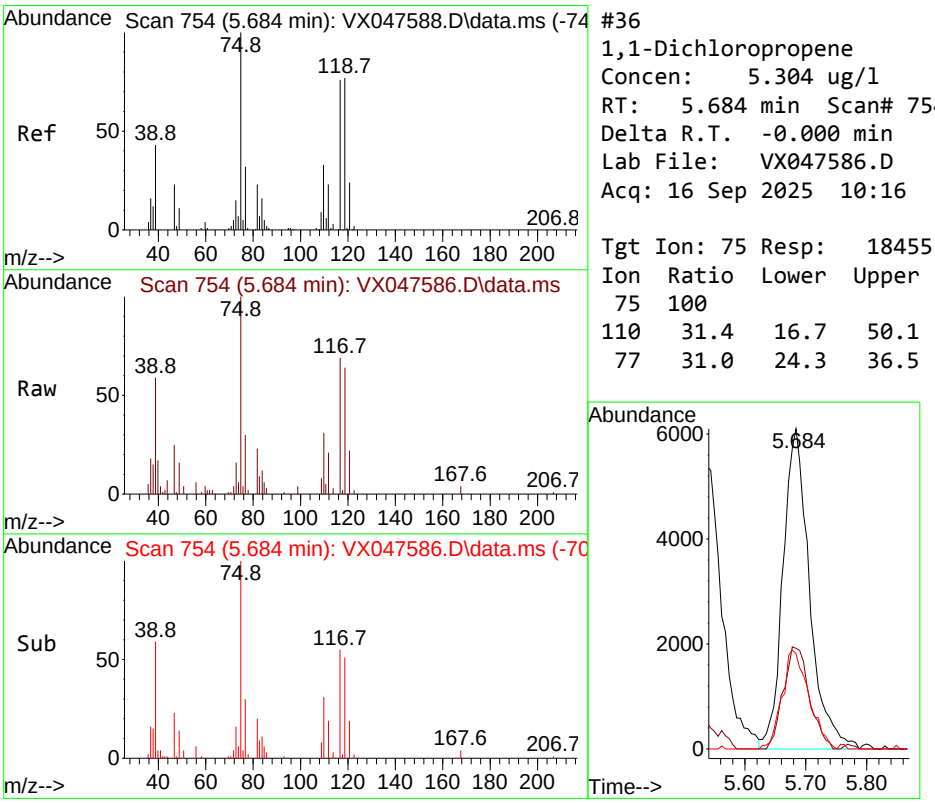
Tgt Ion:113 Resp: 1264

Ion	Ratio	Lower	Upper
113	100		
111	100.5	80.9	121.3
192	17.8	14.2	21.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

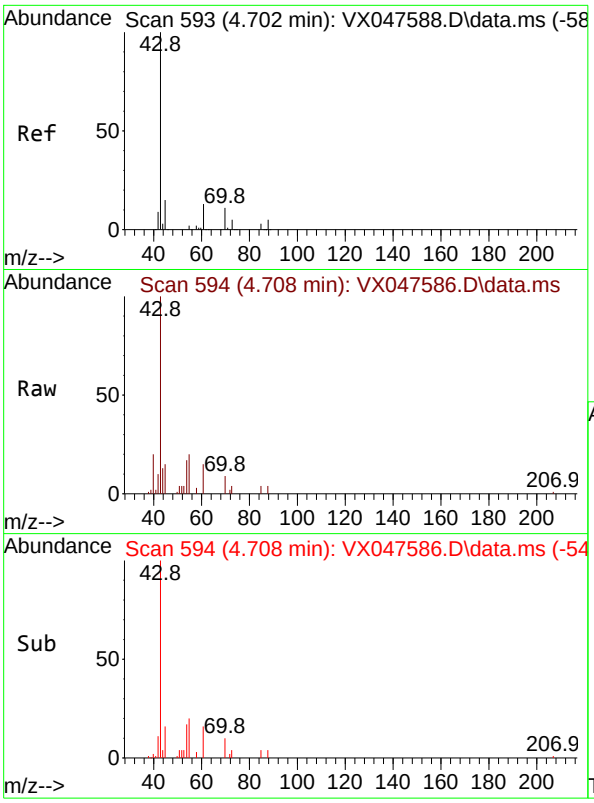
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025



#36
1,1-Dichloropropene
Concen: 5.304 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 75 Resp: 18455

Ion	Ratio	Lower	Upper
75	100		
110	31.4	16.7	50.1
77	31.0	24.3	36.5



#37
Ethyl Acetate
Concen: 5.345 ug/l
RT: 4.708 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

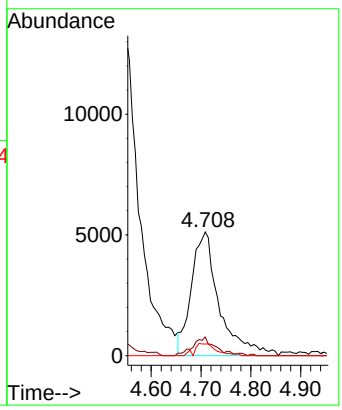
Tgt Ion: 43 Resp: 1991

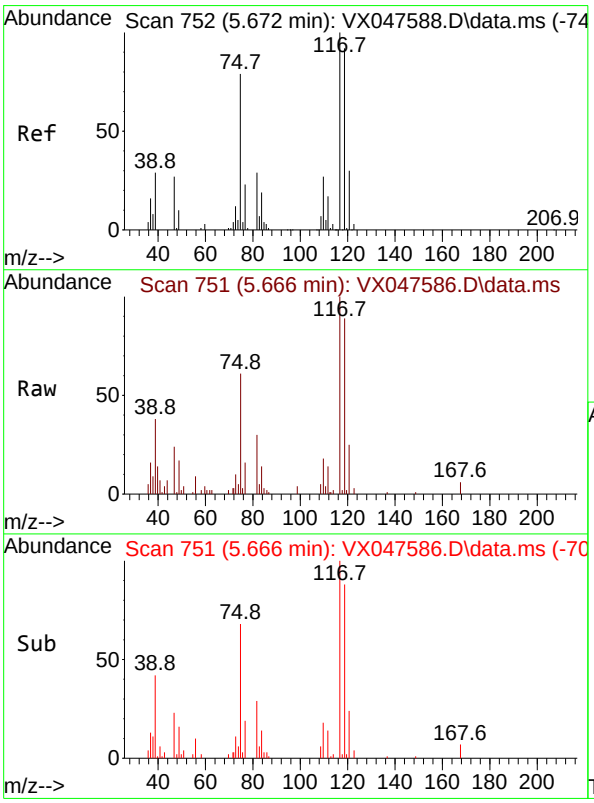
Ion	Ratio	Lower	Upper
43	100		
61	11.9	9.8	14.8
70	7.6	7.9	11.9#

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

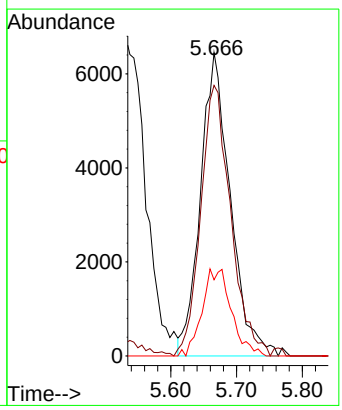


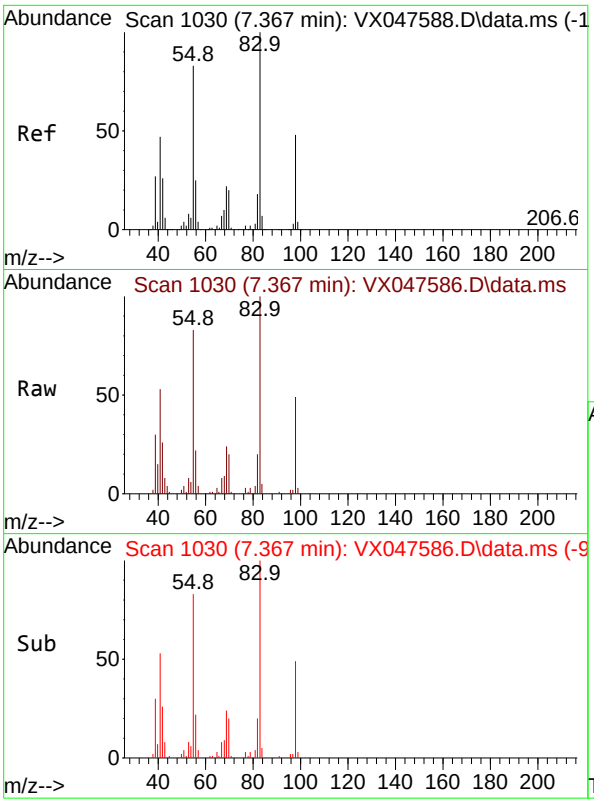


#38
Carbon Tetrachloride
Concen: 5.390 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:117 Resp: 20376

Ion	Ratio	Lower	Upper
117	100		
119	88.9	73.4	110.2
121	25.1	23.8	35.6





#39
Methylcyclohexane
Concen: 5.292 ug/l
RT: 7.367 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

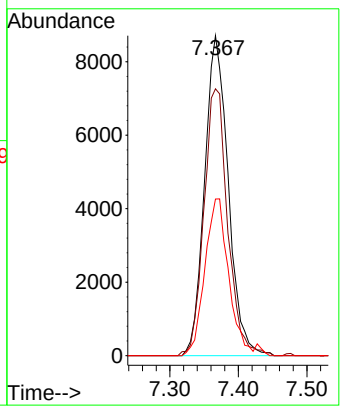
Tgt Ion: 83 Resp: 2090

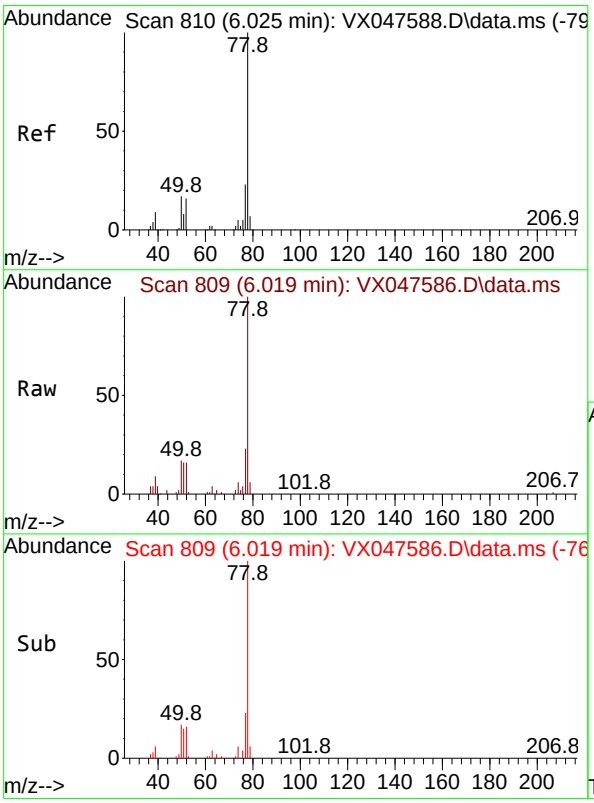
Ion	Ratio	Lower	Upper
83	100		
55	79.1	66.4	99.6
98	46.4	38.1	57.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

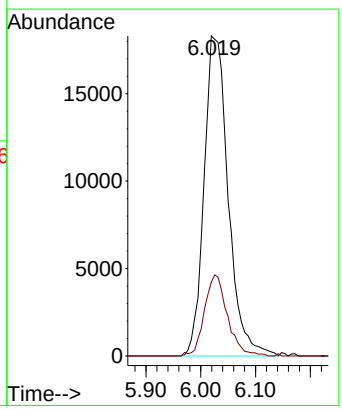


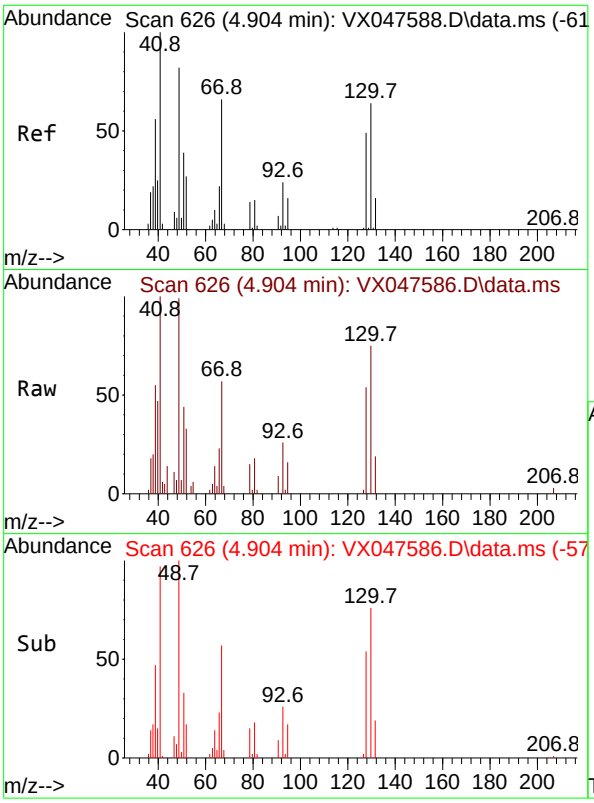


#40
Benzene
Concen: 5.299 ug/l
RT: 6.019 min Scan# 809
Delta R.T. -0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 78 Resp: 55996

Ion	Ratio	Lower	Upper
78	100		
77	23.1	18.8	28.2

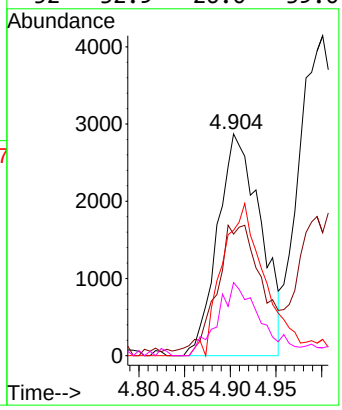




#41
Methacrylonitrile
Concen: 4.883 ug/l
RT: 4.904 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 41 Resp: 939

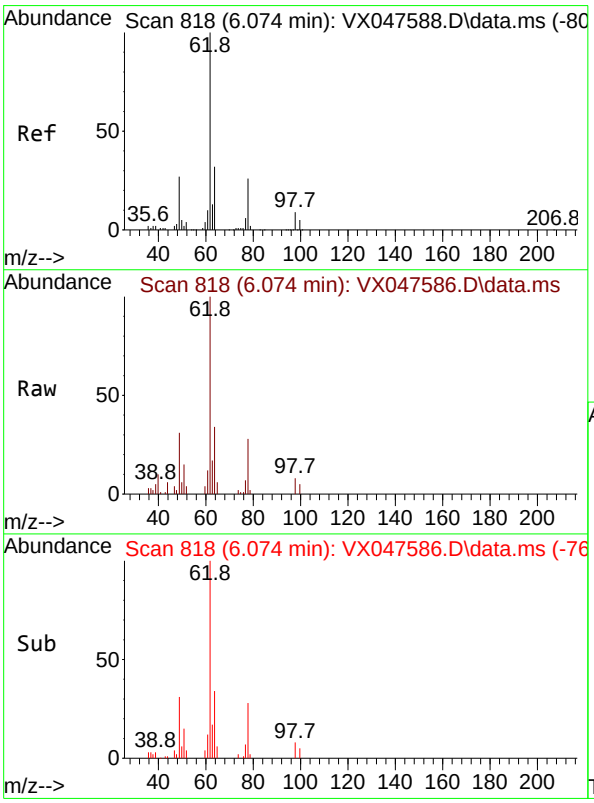
Ion	Ratio	Lower	Upper
41	100		
39	58.3	43.3	64.9
67	68.7	58.6	87.8
52	32.9	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

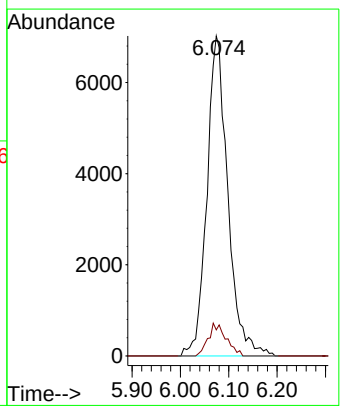
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

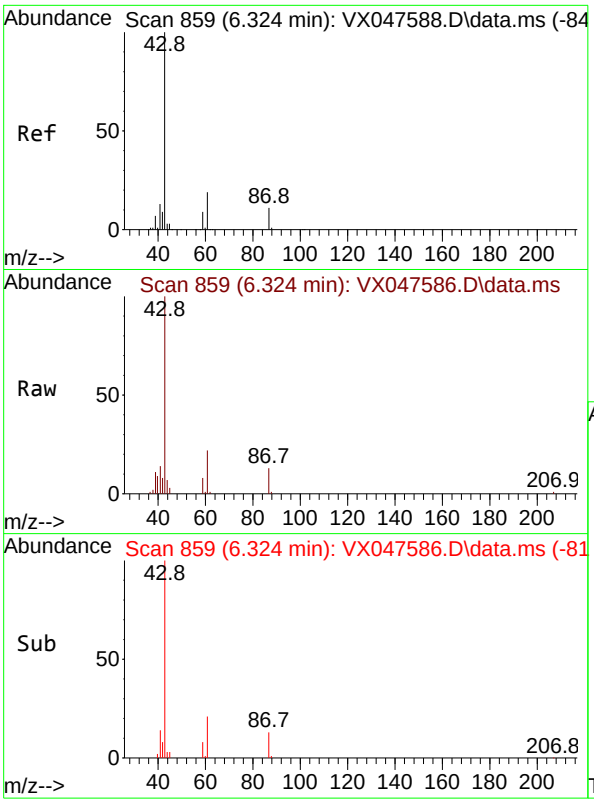


#42
1,2-Dichloroethane
Concen: 5.252 ug/l
RT: 6.074 min Scan# 818
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 62 Resp: 21117

Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	17.0

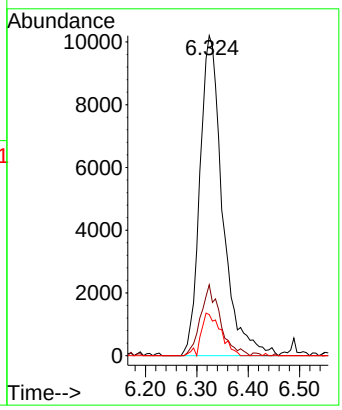




#43
Isopropyl Acetate
Concen: 5.124 ug/l
RT: 6.324 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 43 Resp: 3130

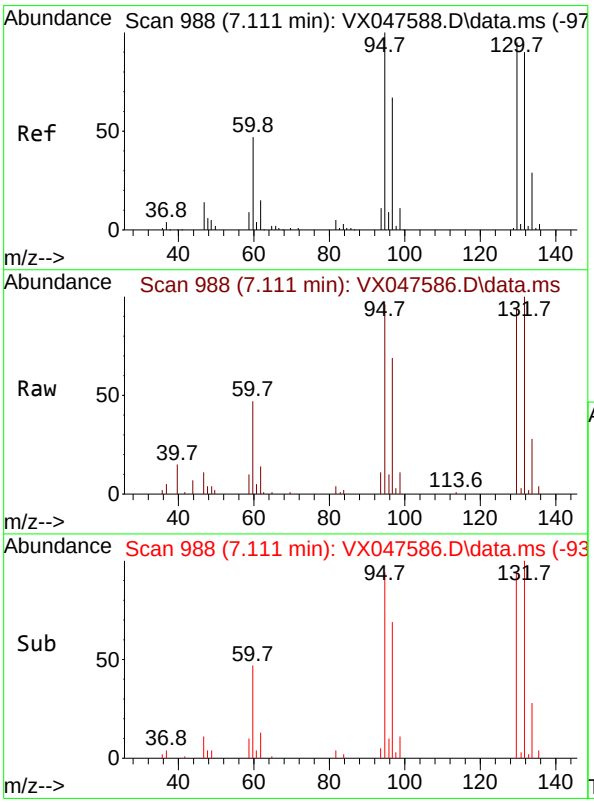
Ion	Ratio	Lower	Upper
43	100		
61	19.2	15.2	22.8
87	11.6	9.6	14.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

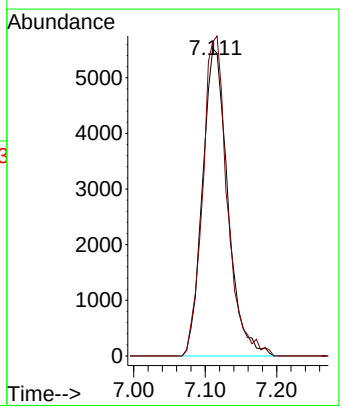
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

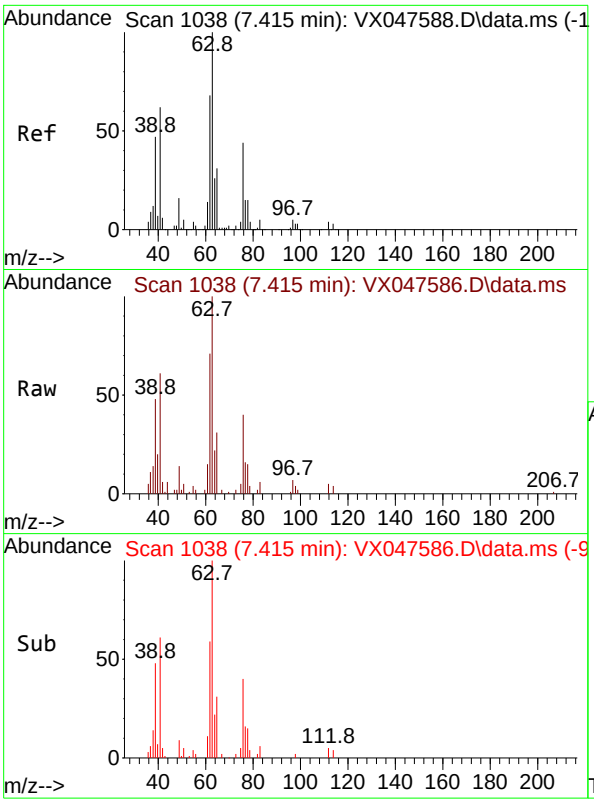


#44
Trichloroethene
Concen: 5.314 ug/l
RT: 7.111 min Scan# 988
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:130 Resp: 13576

Ion	Ratio	Lower	Upper
130	100		
95	102.1	0.0	210.8





#45
1,2-Dichloropropane
Concen: 5.287 ug/l
RT: 7.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

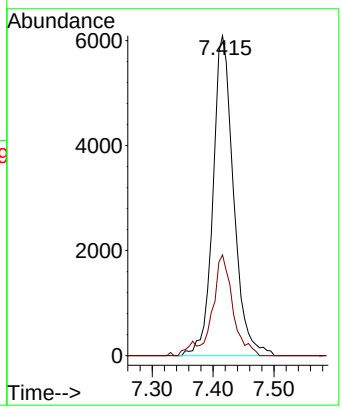
Tgt Ion: 63 Resp: 1430

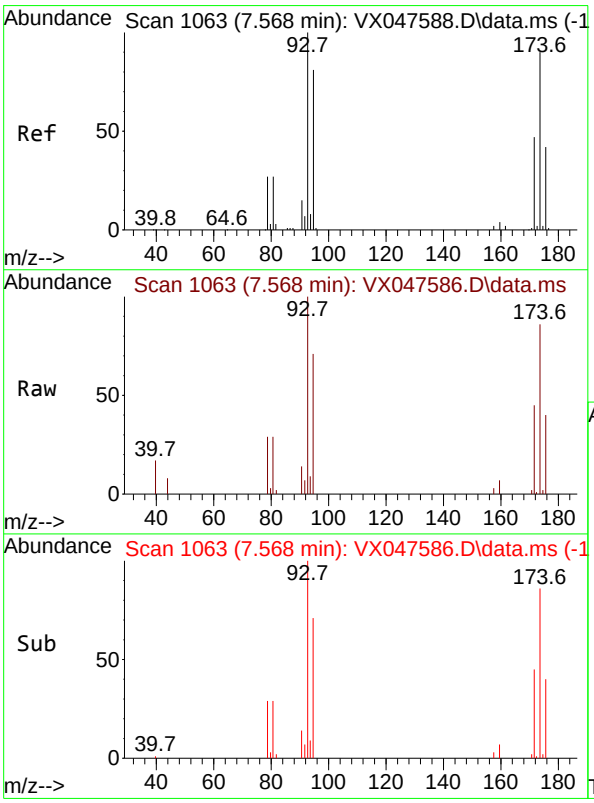
Ion	Ratio	Lower	Upper
63	100		
65	31.5	24.7	37.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

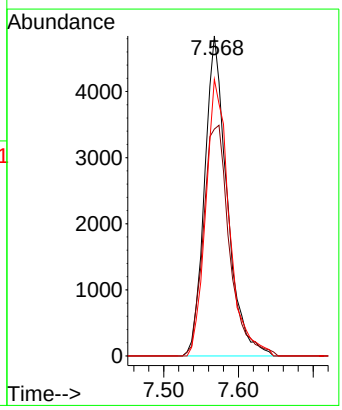


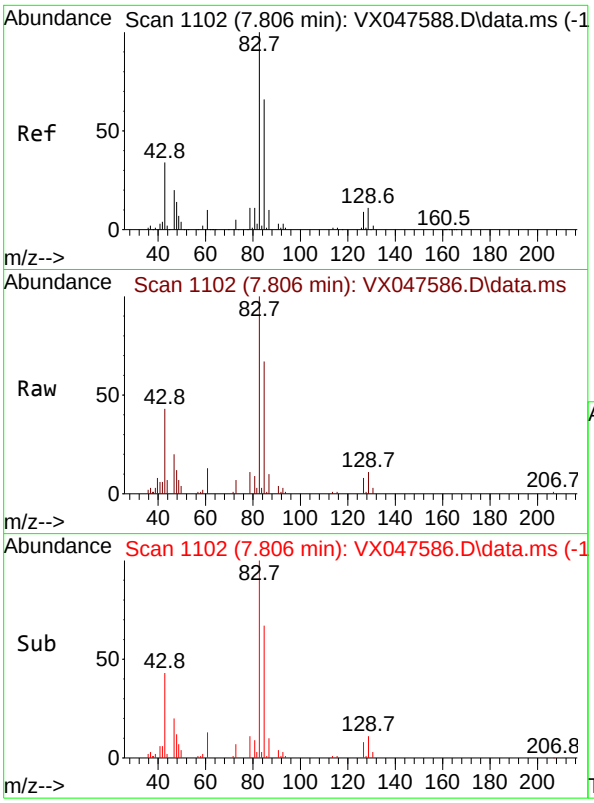


#46
Dibromomethane
Concen: 5.146 ug/l
RT: 7.568 min Scan# 1063
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 93 Resp: 10133

Ion	Ratio	Lower	Upper
93	100		
95	83.5	65.0	97.6
174	90.0	71.6	107.4

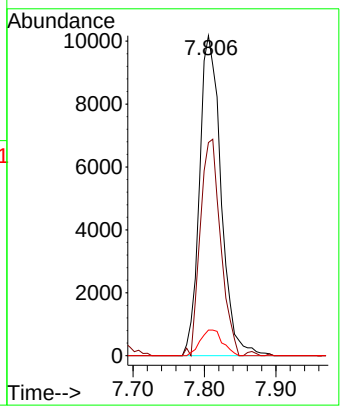




#47
Bromodichloromethane
Concen: 5.235 ug/l
RT: 7.806 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 83 Resp: 2127

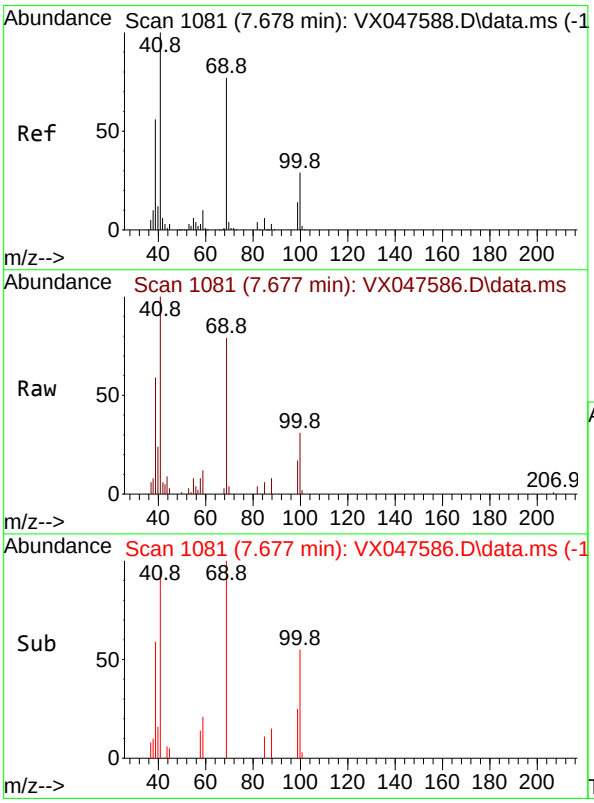
Ion	Ratio	Lower	Upper
83	100		
85	64.7	52.5	78.7
127	7.8	6.9	10.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

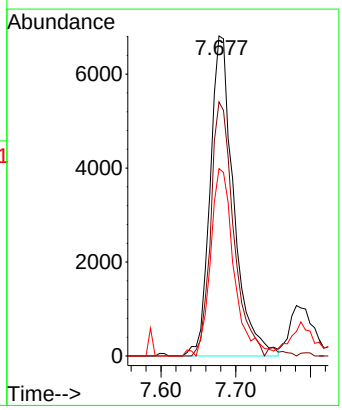
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

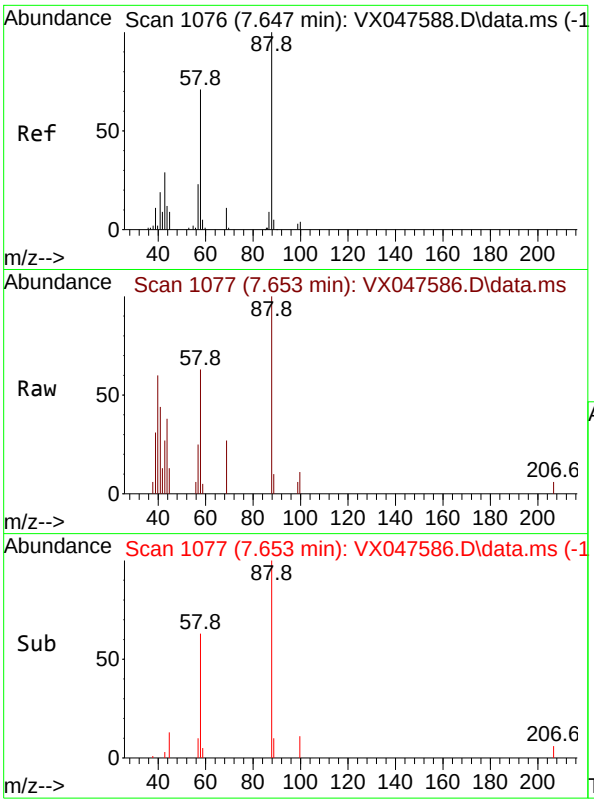


#48
Methyl methacrylate
Concen: 4.915 ug/l
RT: 7.677 min Scan# 1081
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 41 Resp: 14959

Ion	Ratio	Lower	Upper
41	100		
69	76.4	61.4	92.2
39	58.2	45.8	68.6

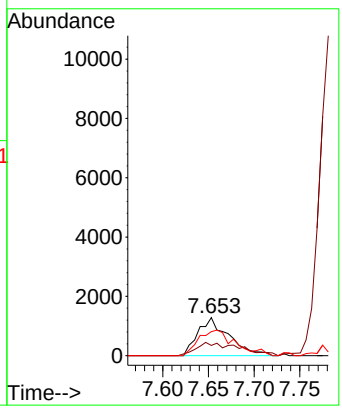




#49
1,4-Dioxane
Concen: 98.096 ug/l
RT: 7.653 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 88 Resp: 301

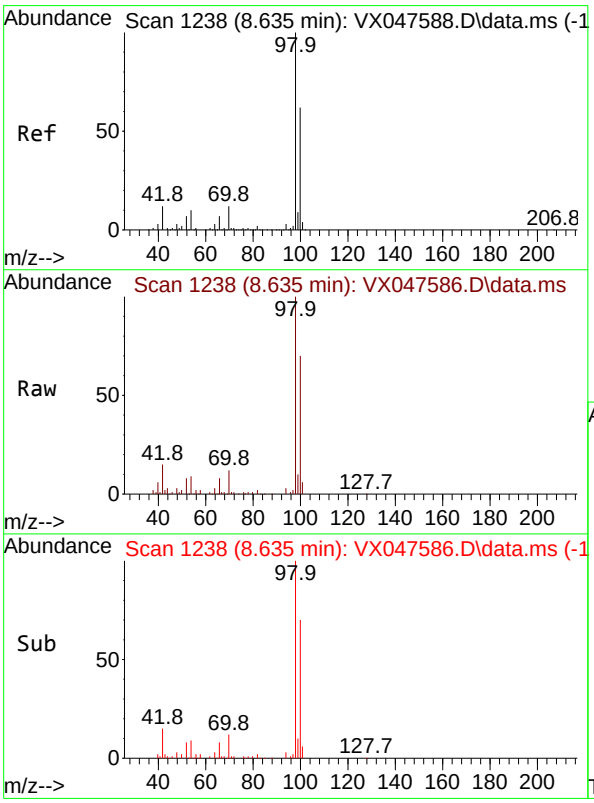
Ion	Ratio	Lower	Upper
88	100		
43	48.3	30.2	45.2#
58	79.1	59.5	89.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

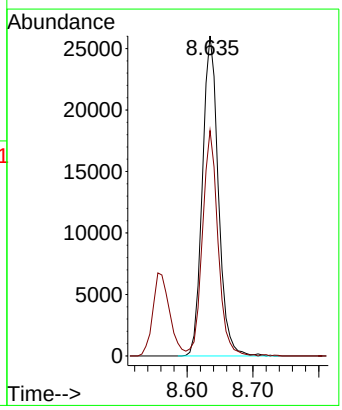
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

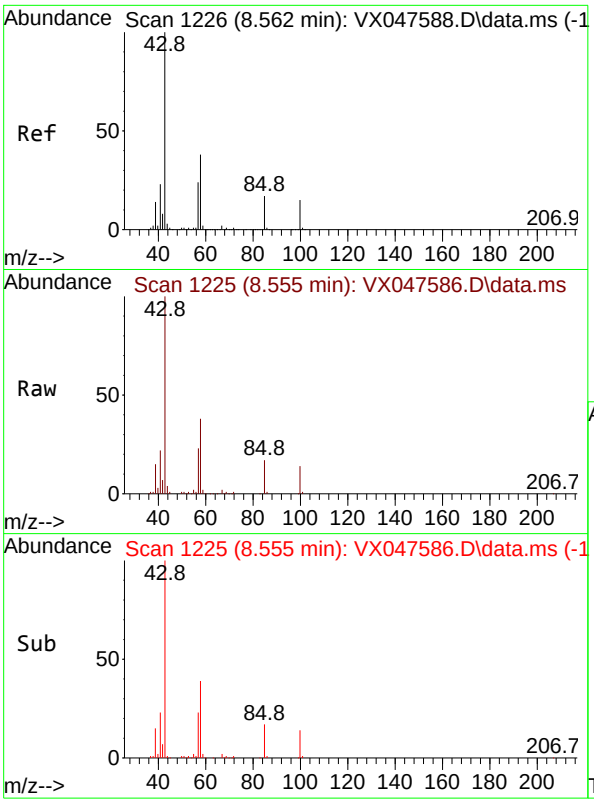


#50
Toluene-d8
Concen: 5.332 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 98 Resp: 43926

Ion	Ratio	Lower	Upper
98	100		
100	68.4	53.0	79.4

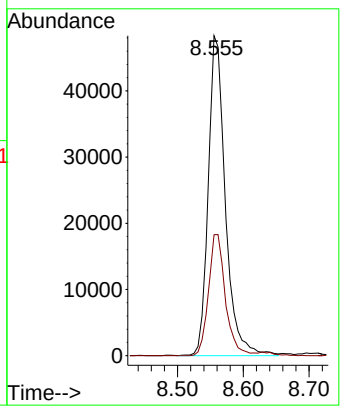




#51
4-Methyl-2-Pentanone
Concen: 25.828 ug/l
RT: 8.555 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 43 Resp: 8749

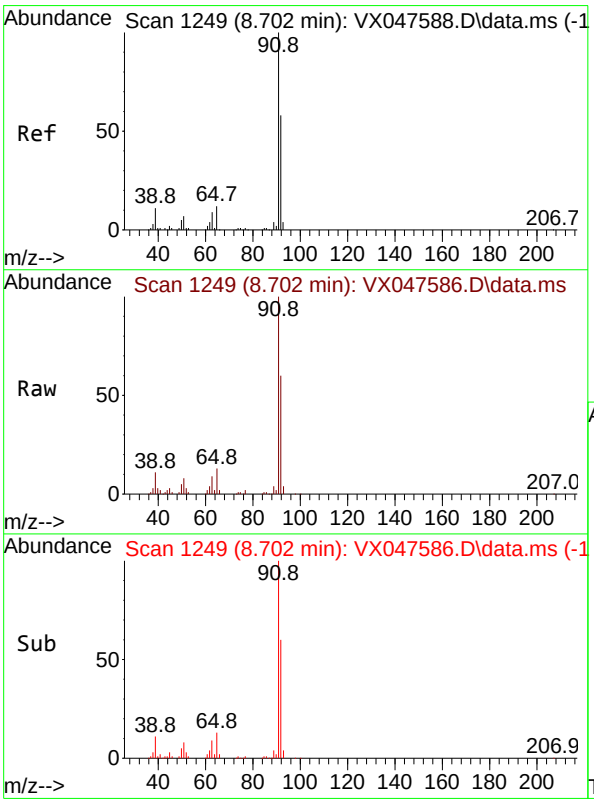
Ion	Ratio	Lower	Upper
43	100		
58	37.7	30.3	45.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

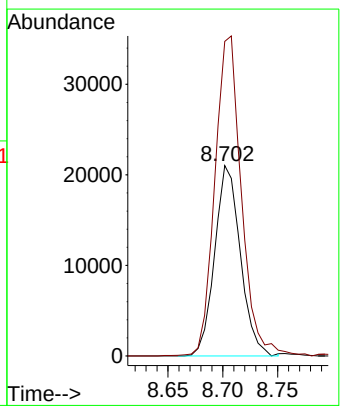
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

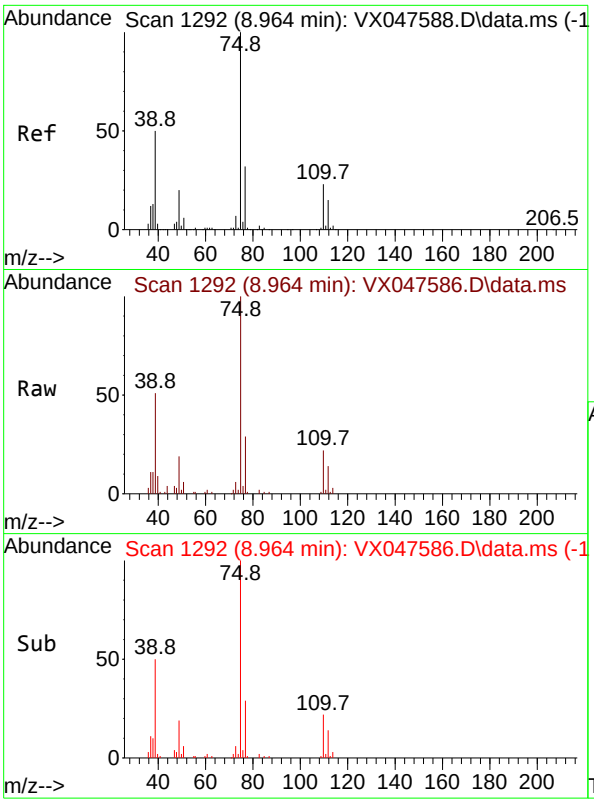


#52
Toluene
Concen: 5.271 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 92 Resp: 34314

Ion	Ratio	Lower	Upper
92	100		
91	173.8	137.1	205.7

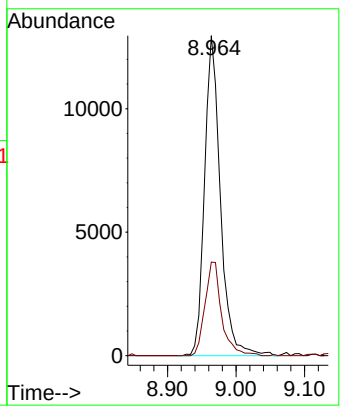




#53
t-1,3-Dichloropropene
Concen: 5.034 ug/l
RT: 8.964 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 75 Resp: 2086

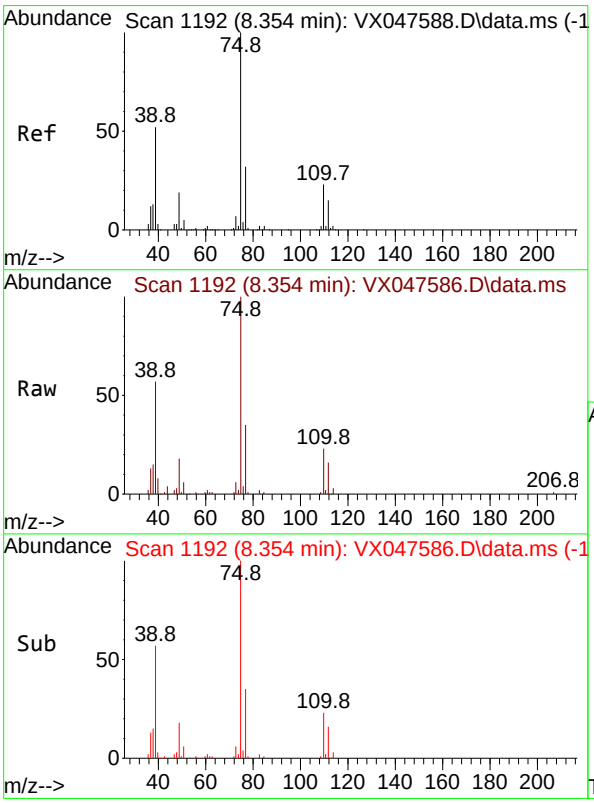
Ion	Ratio	Lower	Upper
75	100		
77	30.2	25.4	38.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

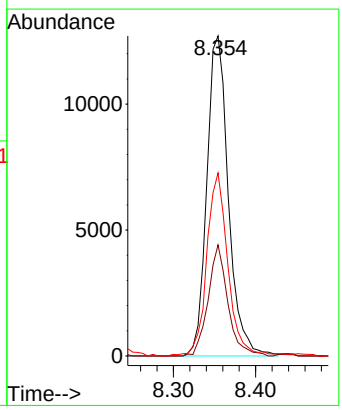
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

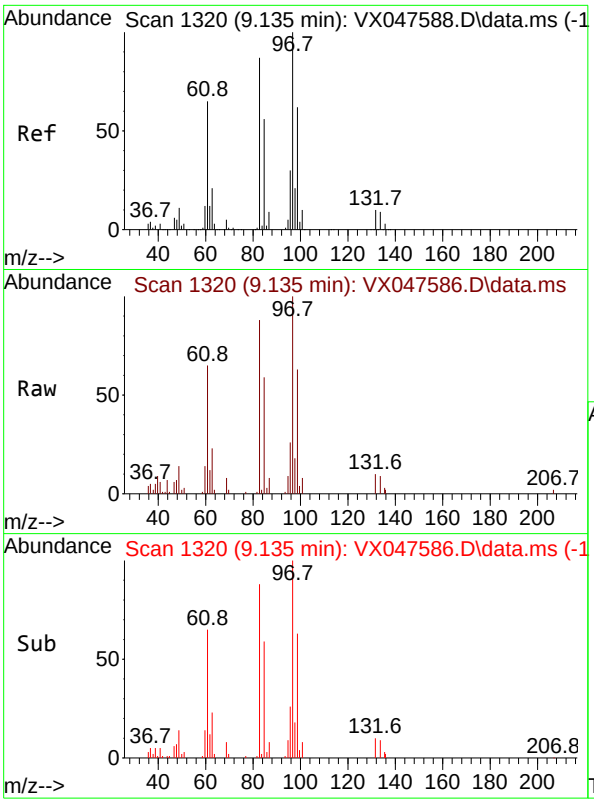


#54
cis-1,3-Dichloropropene
Concen: 5.227 ug/l
RT: 8.354 min Scan# 1192
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 75 Resp: 23157

Ion	Ratio	Lower	Upper
75	100		
77	34.7	25.8	38.6
39	51.7	41.4	62.2

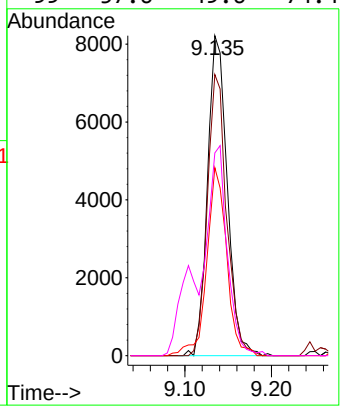




#55
1,1,2-Trichloroethane
Concen: 5.166 ug/l
RT: 9.135 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 97 Resp: 1296

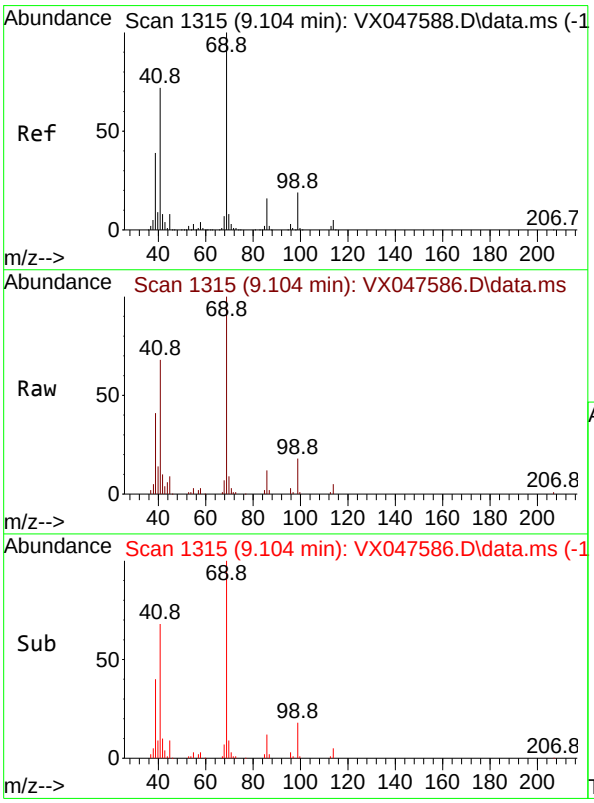
Ion	Ratio	Lower	Upper
97	100		
83	76.7	69.6	104.4
85	49.9	45.0	67.6
99	57.6	49.6	74.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

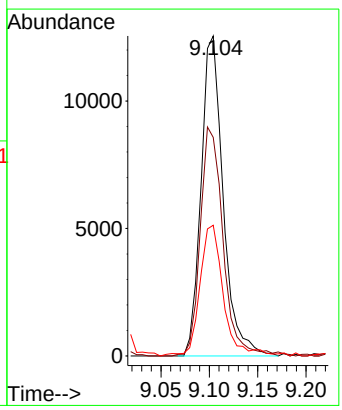
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

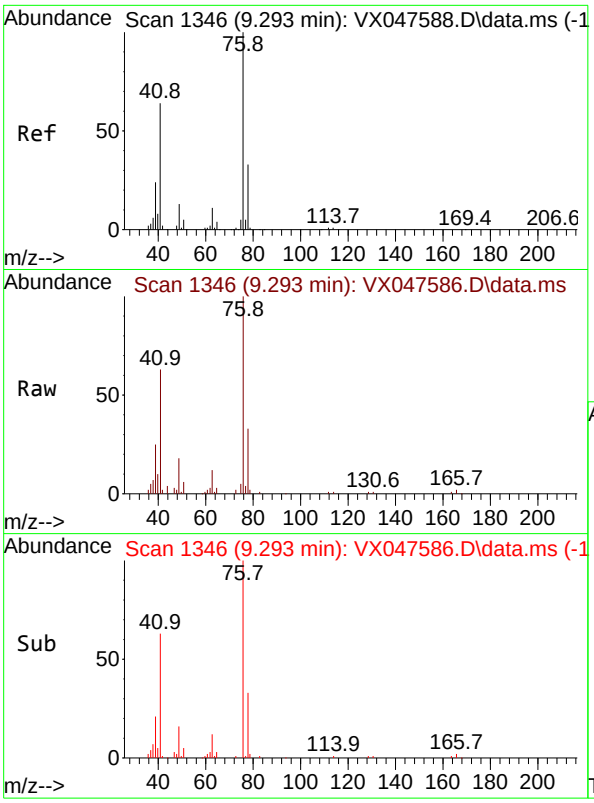


#56
Ethyl methacrylate
Concen: 5.068 ug/l
RT: 9.104 min Scan# 1315
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 69 Resp: 19980

Ion	Ratio	Lower	Upper
69	100		
41	73.9	58.6	87.8
39	43.7	31.5	47.3

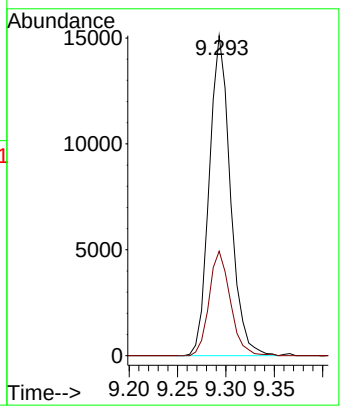




#57
1,3-Dichloropropane
Concen: 5.331 ug/l
RT: 9.293 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 76 Resp: 2298

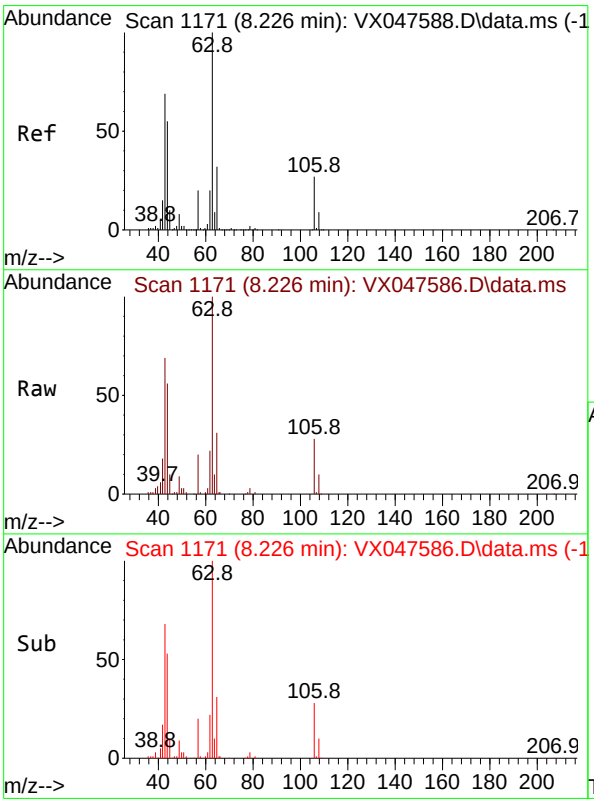
Ion	Ratio	Lower	Upper
76	100		
78	32.8	26.2	39.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

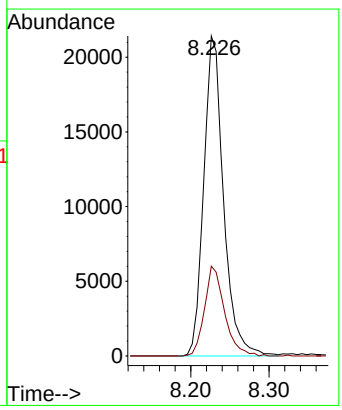
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

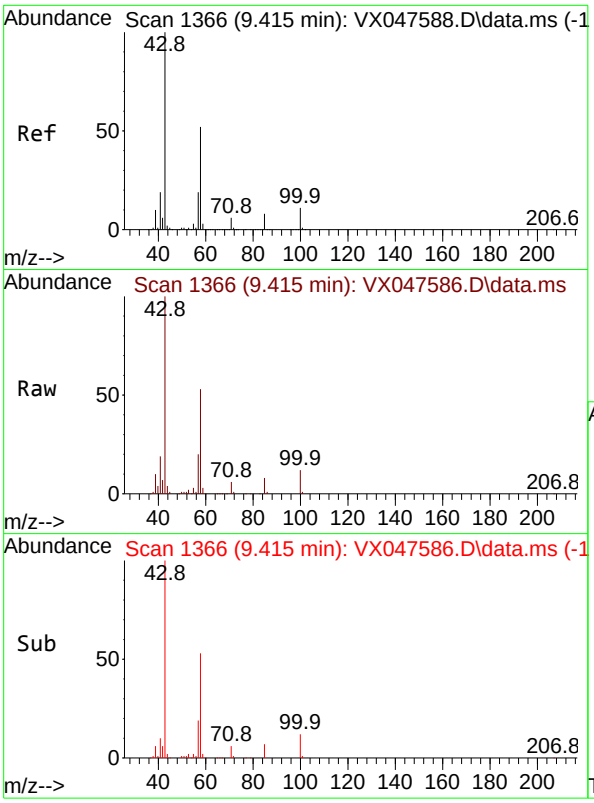


#58
2-Chloroethyl Vinyl ether
Concen: 27.899 ug/l
RT: 8.226 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 63 Resp: 37585

Ion	Ratio	Lower	Upper
63	100		
106	28.3	21.9	32.9

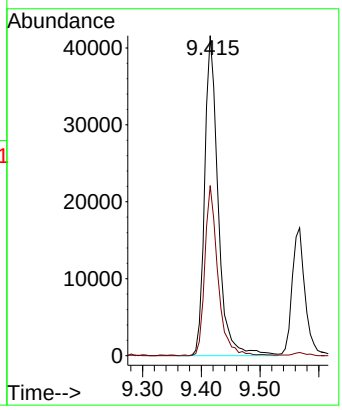




#59
2-Hexanone
Concen: 27.275 ug/l
RT: 9.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 43 Resp: 6635

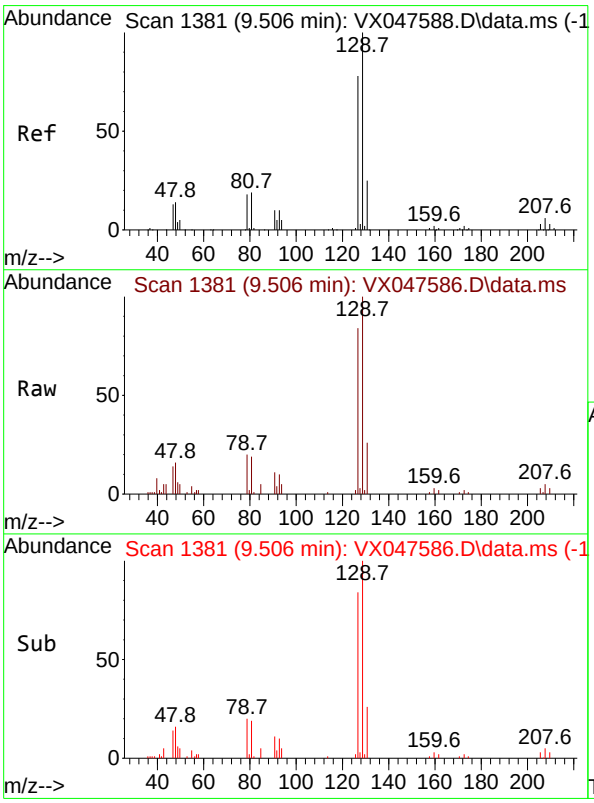
Ion	Ratio	Lower	Upper
43	100		
58	51.1	26.1	78.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

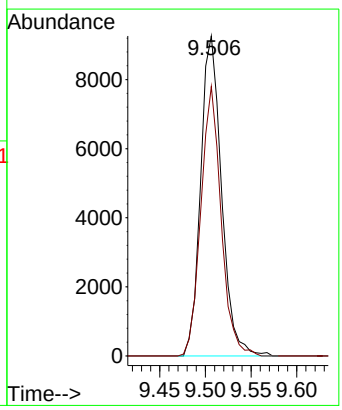
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

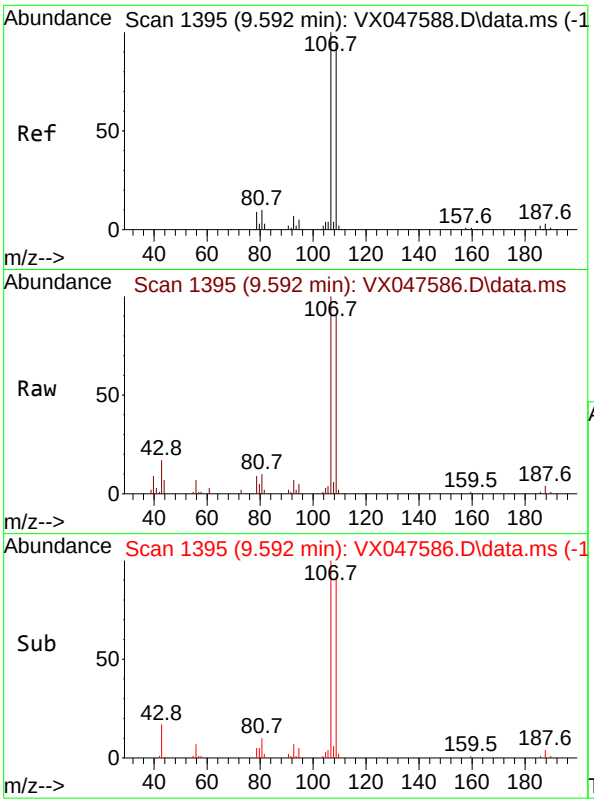


#60
Dibromochloromethane
Concen: 5.084 ug/l
RT: 9.506 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:129 Resp: 14705

Ion	Ratio	Lower	Upper
129	100		
127	81.4	38.4	115.2

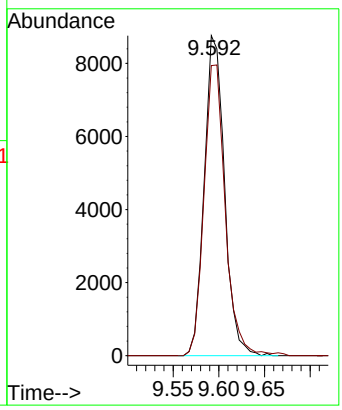




#61
1,2-Dibromoethane
Concen: 5.264 ug/l
RT: 9.592 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:107 Resp: 1346

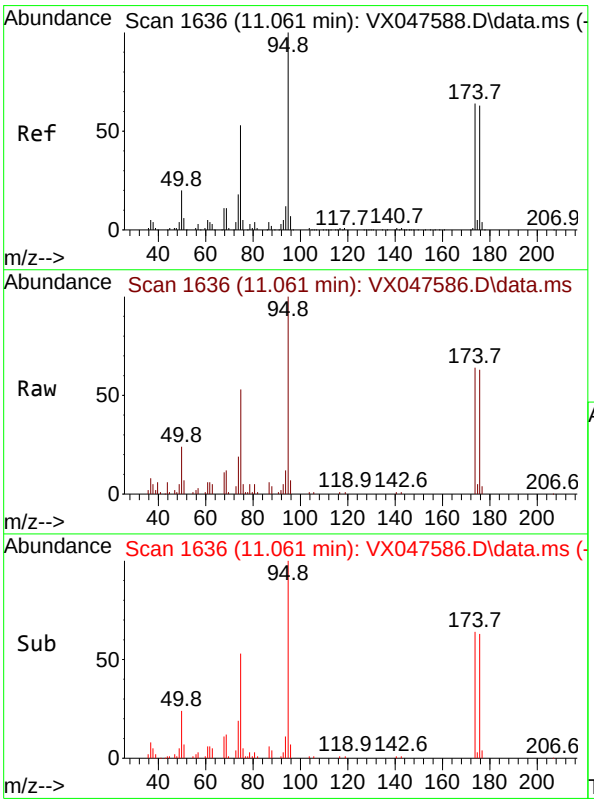
Ion	Ratio	Lower	Upper
107	100		
109	95.6	75.3	112.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

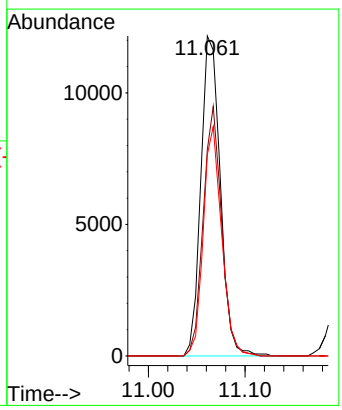
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

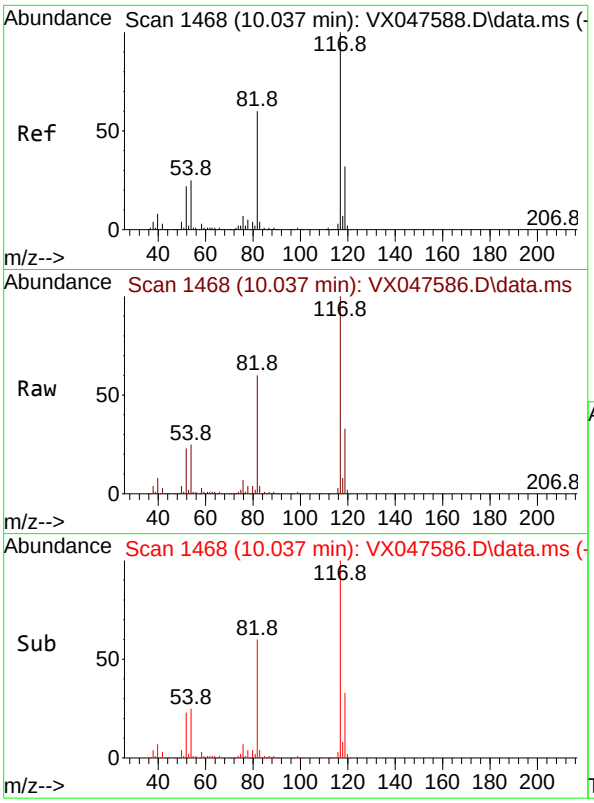


#62
4-Bromofluorobenzene
Concen: 5.429 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 95 Resp: 16974

Ion	Ratio	Lower	Upper
95	100		
174	74.0	0.0	141.6
176	67.9	0.0	138.4

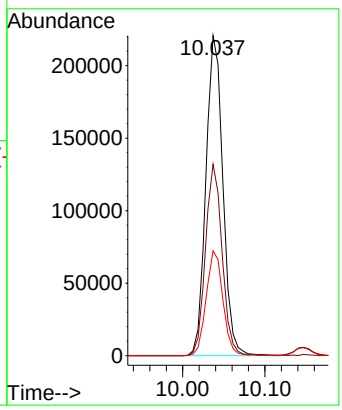




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:117 Resp: 31728

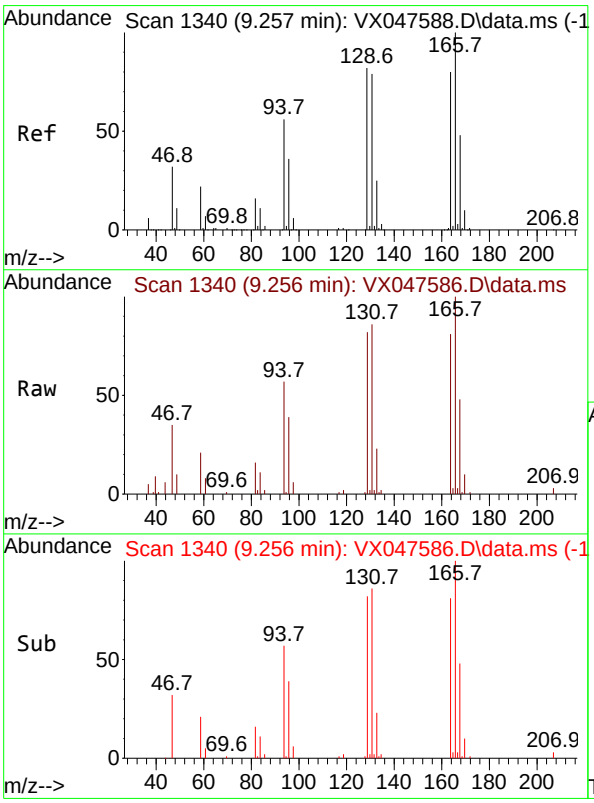
Ion	Ratio	Lower	Upper
117	100		
82	59.8	47.8	71.6
119	32.8	25.2	37.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

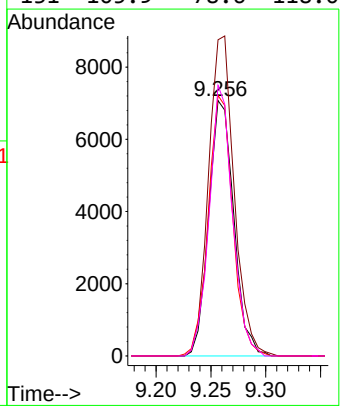
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

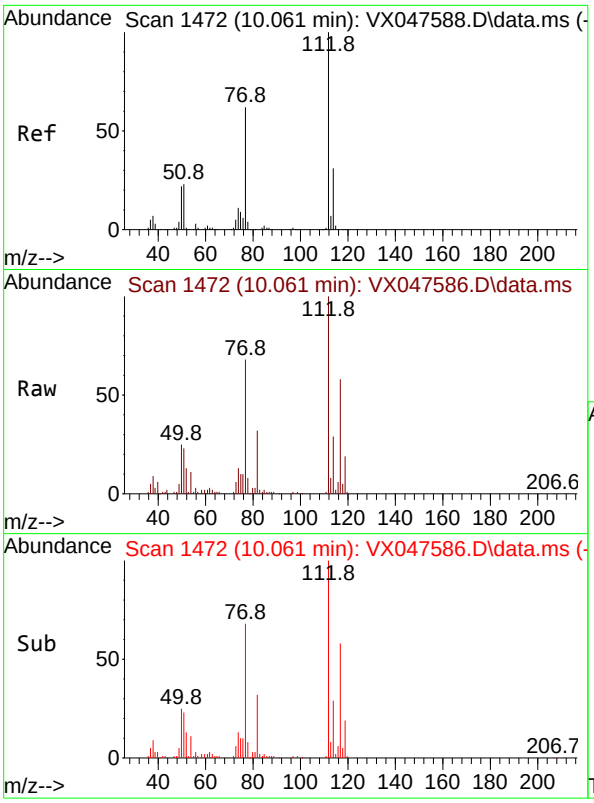


#64
Tetrachloroethene
Concen: 5.428 ug/l
RT: 9.256 min Scan# 1340
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:164 Resp: 11228

Ion	Ratio	Lower	Upper
164	100		
166	123.8	100.2	150.2
129	102.0	81.8	122.6
131	105.9	78.6	118.0

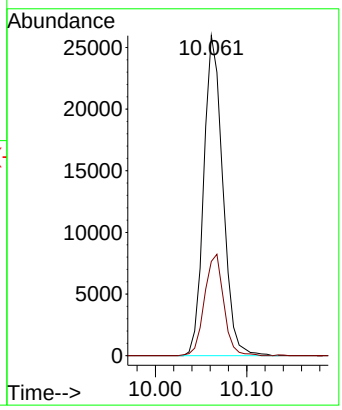




#65
Chlorobenzene
Concen: 5.203 ug/l
RT: 10.061 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:112 Resp: 3750

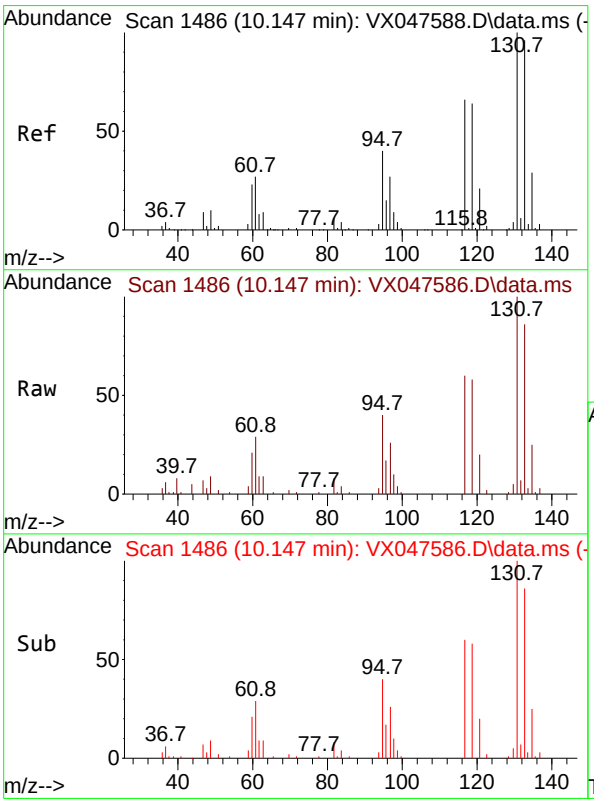
Ion	Ratio	Lower	Upper
112	100		
114	29.2	25.1	37.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

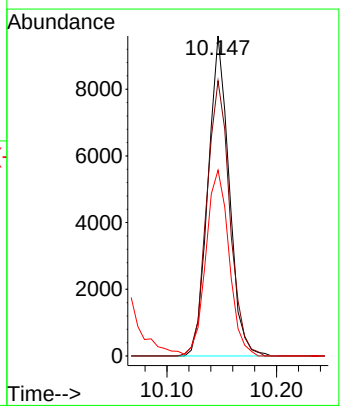
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

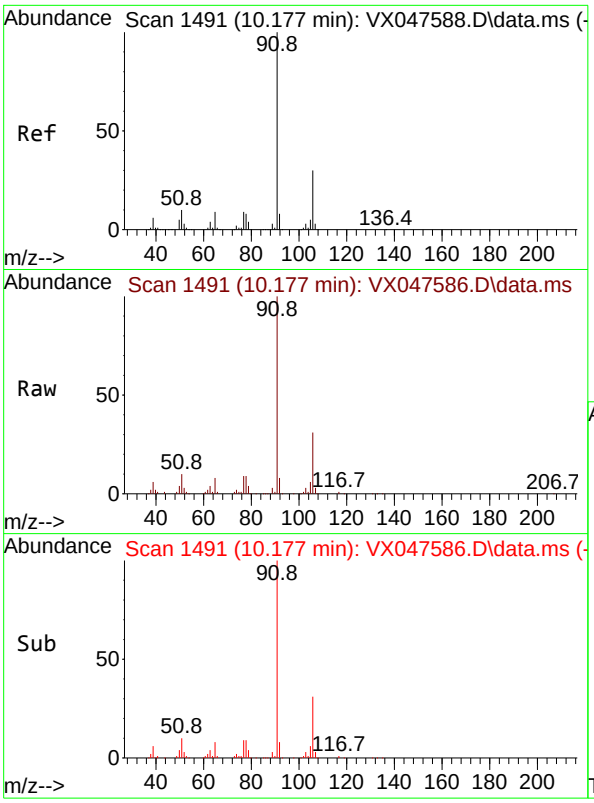


#66
1,1,1,2-Tetrachloroethane
Concen: 5.149 ug/l
RT: 10.147 min Scan# 1486
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:131 Resp: 12807

Ion	Ratio	Lower	Upper
131	100		
133	94.0	47.3	142.0
119	63.5	32.0	96.0

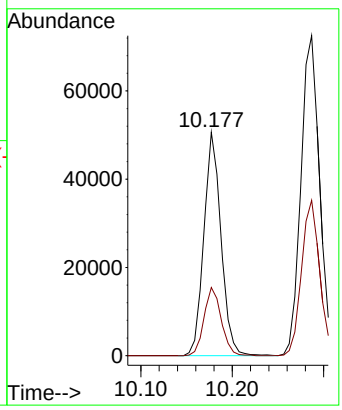




#67
Ethyl Benzene
Concen: 5.299 ug/l
RT: 10.177 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 91 Resp: 6590

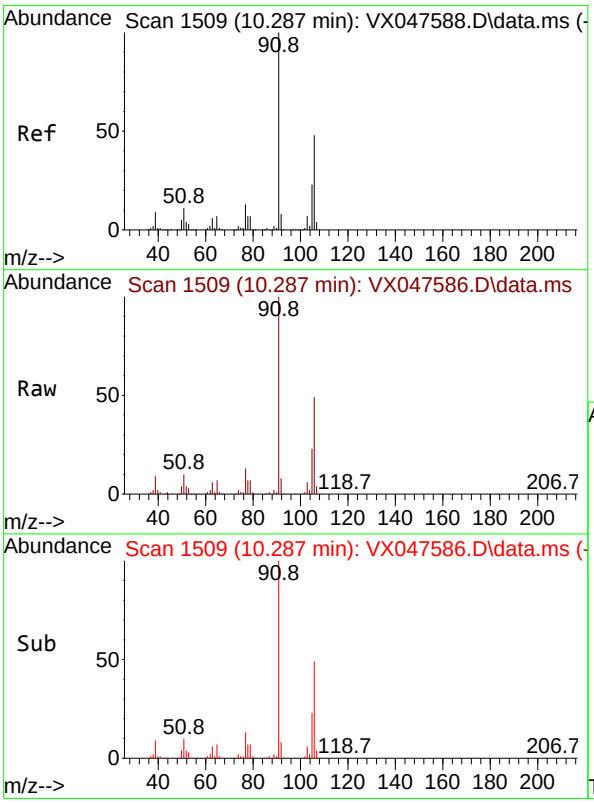
Ion	Ratio	Lower	Upper
91	100		
106	30.5	24.3	36.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

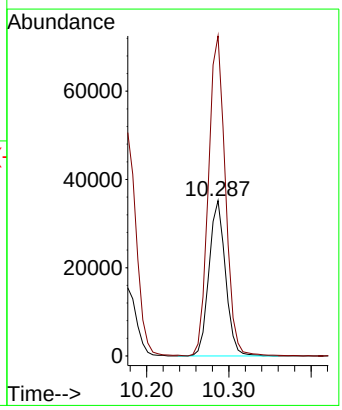
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

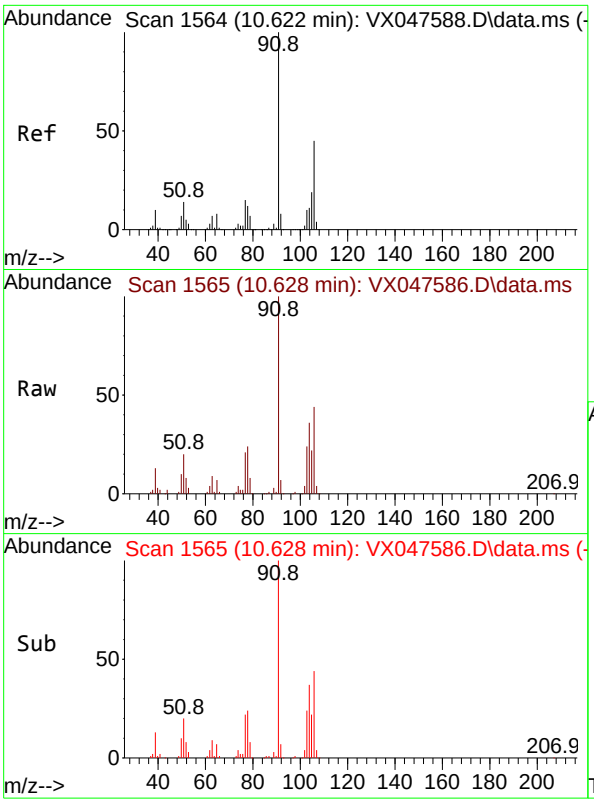


#68
m/p-Xylenes
Concen: 10.613 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:106 Resp: 49132

Ion	Ratio	Lower	Upper
106	100		
91	211.6	167.8	251.8

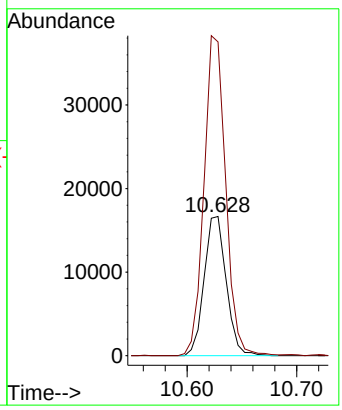




#69
o-Xylene
Concen: 5.204 ug/l
RT: 10.628 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:106 Resp: 2330

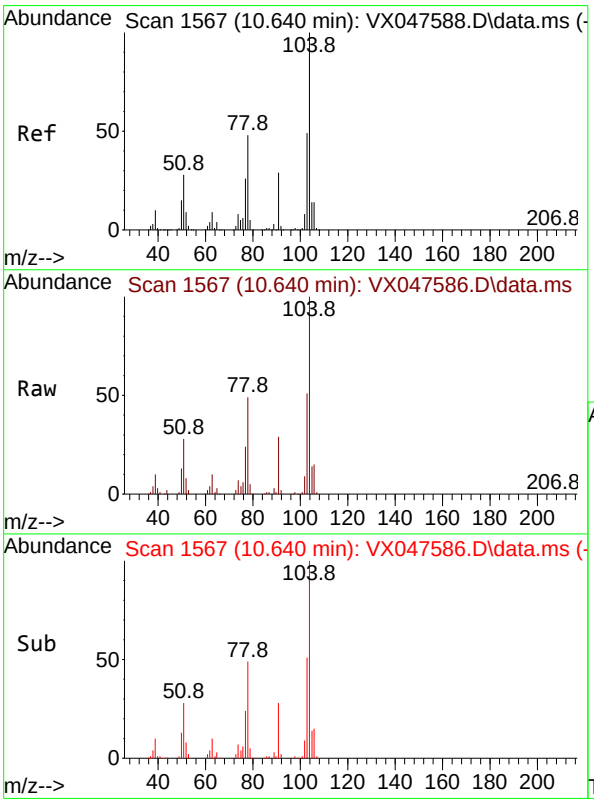
Ion	Ratio	Lower	Upper
106	100		
91	226.3	111.1	333.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

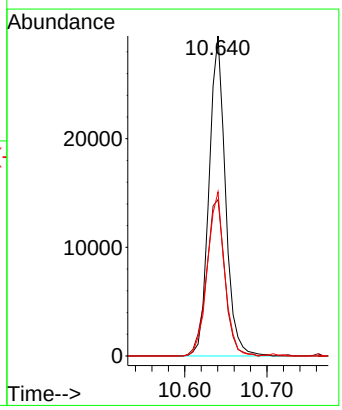
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

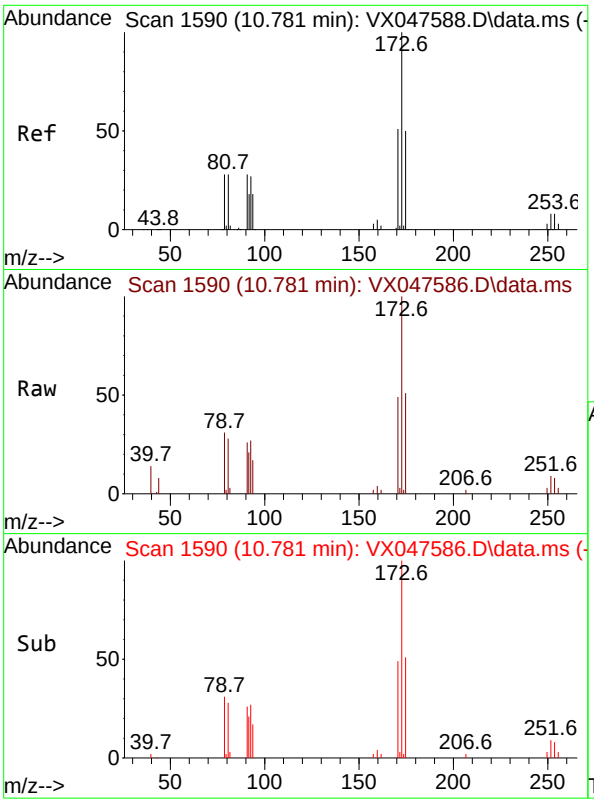


#70
Styrene
Concen: 5.210 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:104 Resp: 40872

Ion	Ratio	Lower	Upper
104	100		
78	54.8	43.1	64.7
103	53.7	43.1	64.7

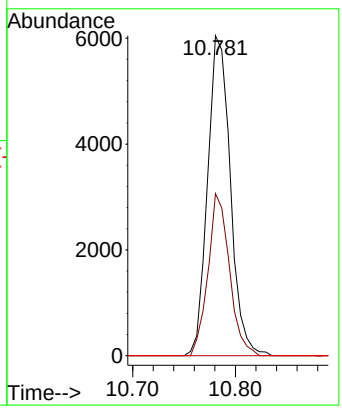




#71
Bromoform
Concen: 5.006 ug/l
RT: 10.781 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:173 Resp: 929

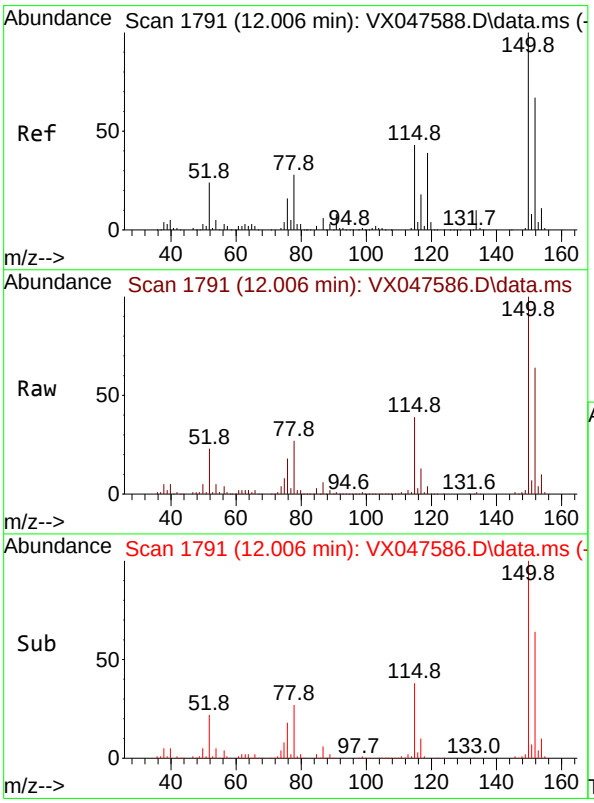
Ion	Ratio	Lower	Upper
173	100		
175	47.9	24.9	74.6
254	0.0	0.1	0.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

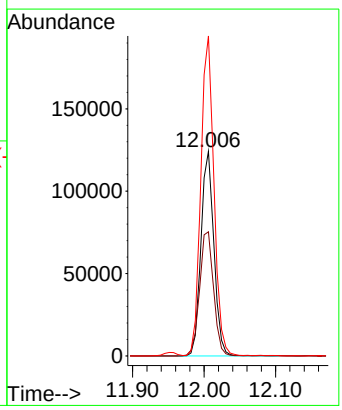
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

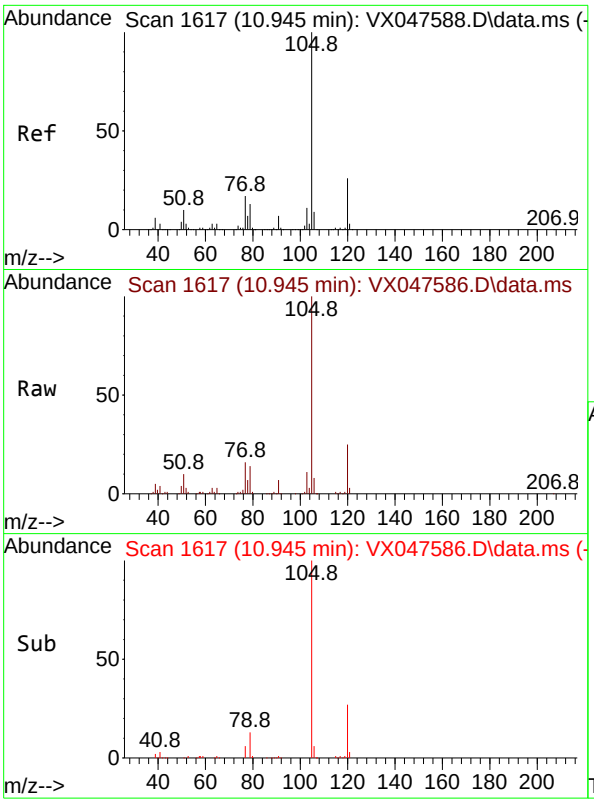


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:152 Resp: 156219

Ion	Ratio	Lower	Upper
152	100		
115	65.6	44.9	134.5
150	157.8	0.0	352.0

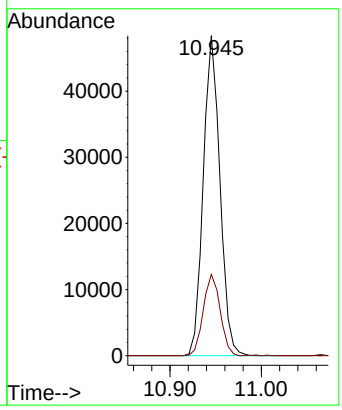




#73
Isopropylbenzene
Concen: 5.139 ug/l
RT: 10.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:105 Resp: 6102

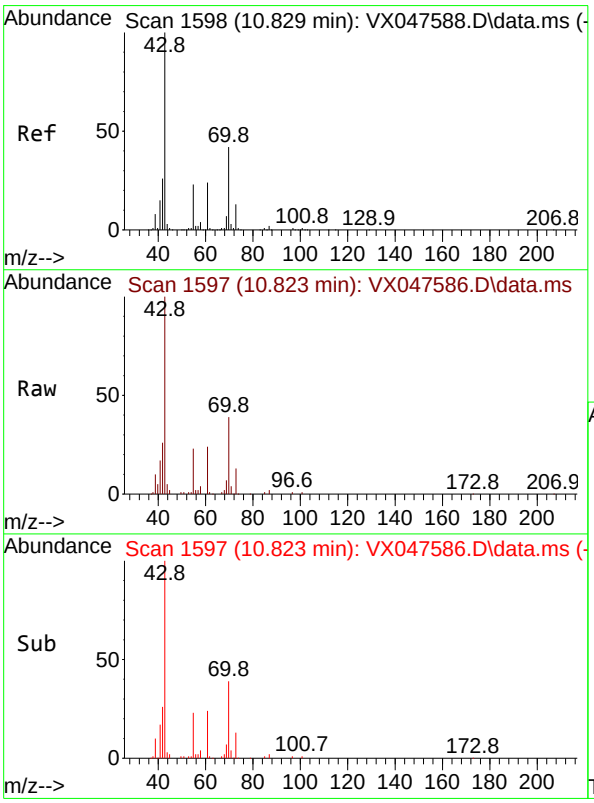
Ion	Ratio	Lower	Upper
105	100		
120	25.6	12.8	38.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

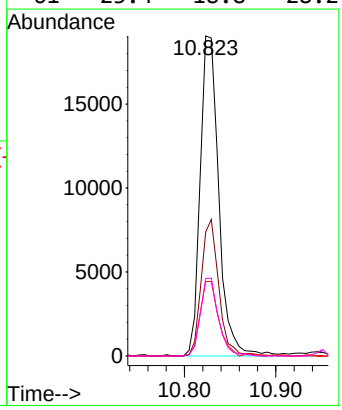
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

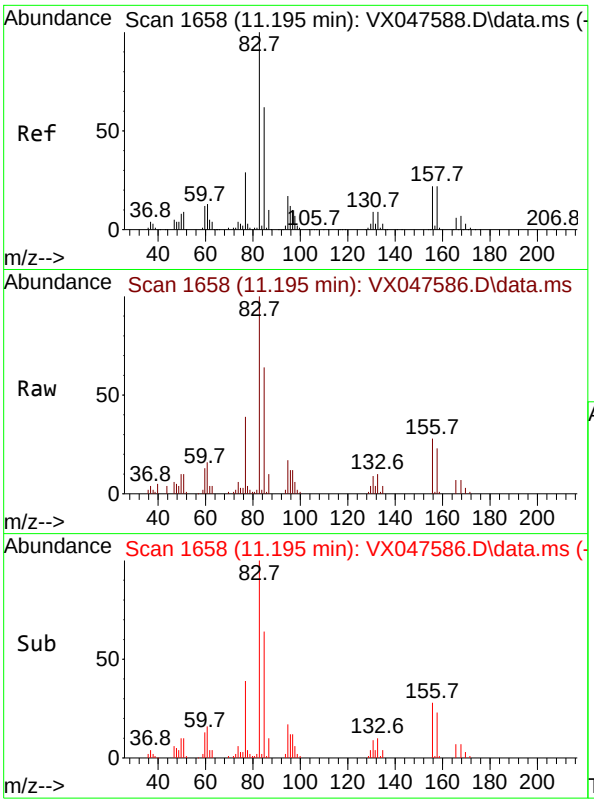


#74
N-amyl acetate
Concen: 4.980 ug/l
RT: 10.823 min Scan# 1597
Delta R.T. -0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 43 Resp: 26969

Ion	Ratio	Lower	Upper
43	100		
70	39.9	32.0	48.0
55	23.1	18.9	28.3
61	23.4	18.8	28.2





#75
1,1,2,2-Tetrachloroethane
Concen: 5.138 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

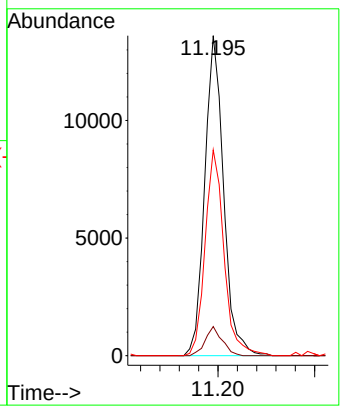
Tgt Ion: 83 Resp: 1846

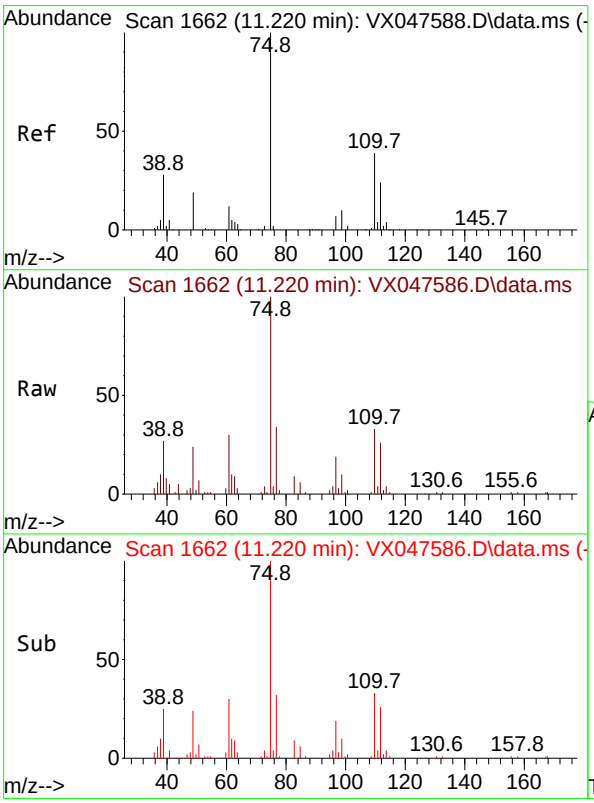
Ion	Ratio	Lower	Upper
83	100		
131	8.2	5.0	14.9
85	64.4	31.6	95.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

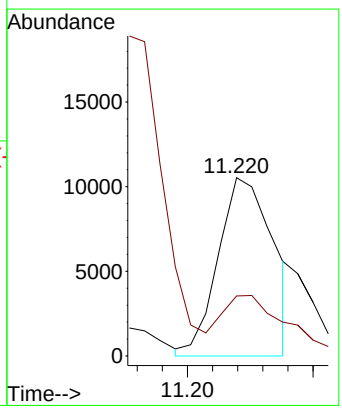


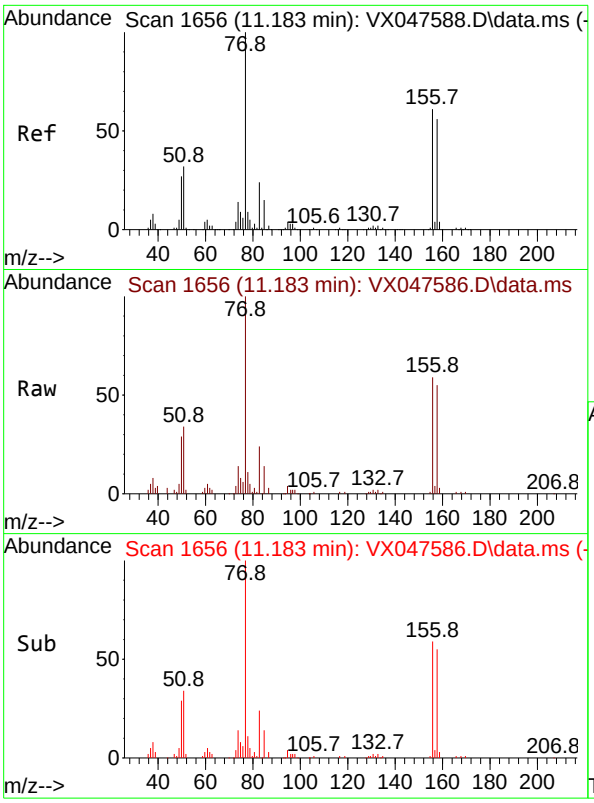


#76
1,2,3-Trichloropropane
Concen: 4.927 ug/l m
RT: 11.220 min Scan# 1662
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 75 Resp: 15982

Ion	Ratio	Lower	Upper
75	100		
77	40.6	18.8	56.4

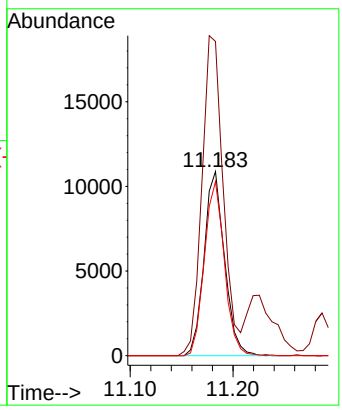




#77
Bromobenzene
Concen: 5.150 ug/l
RT: 11.183 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:156 Resp: 1506

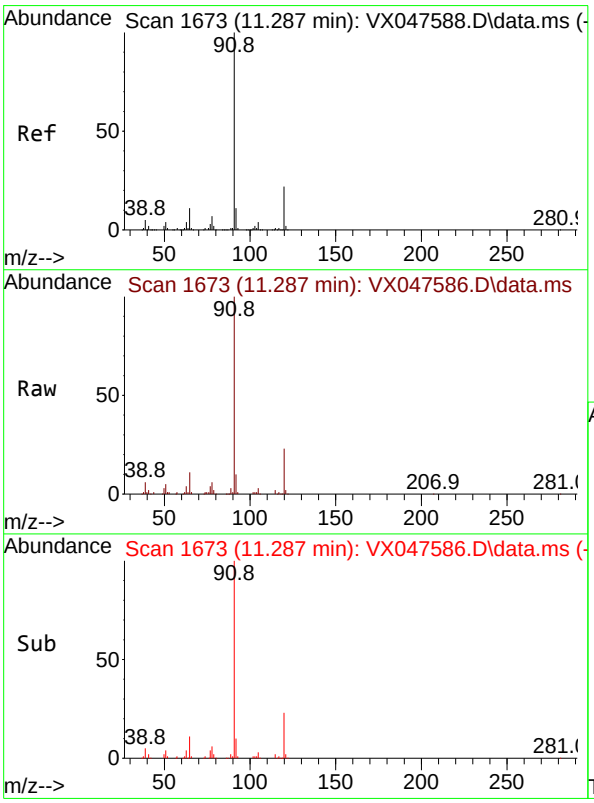
Ion	Ratio	Lower	Upper
156	100		
77	180.3	89.7	269.1
158	92.6	47.9	143.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

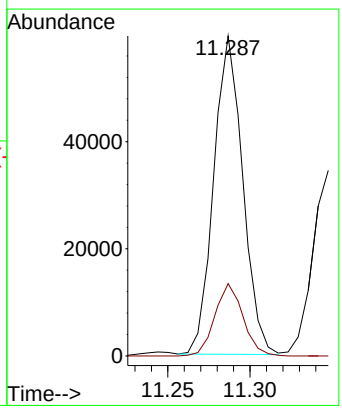
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

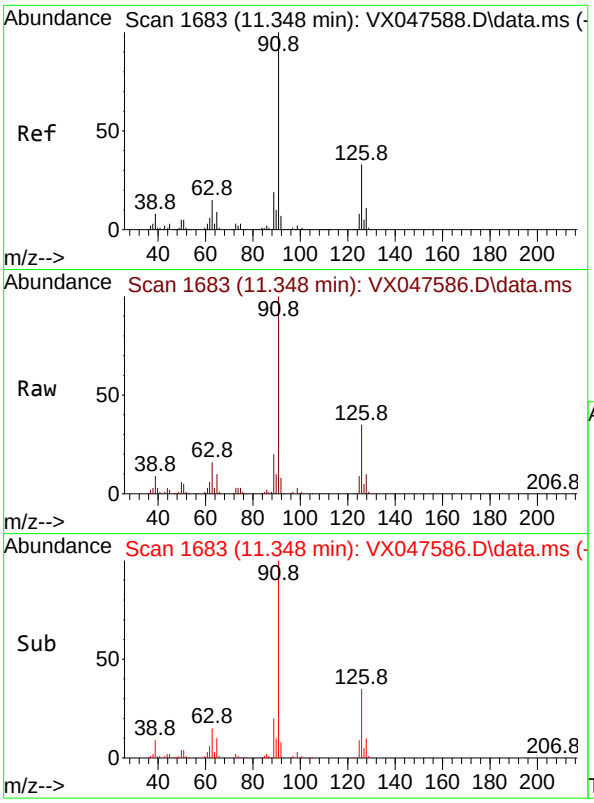


#78
n-propylbenzene
Concen: 5.192 ug/l
RT: 11.287 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 91 Resp: 72900

Ion	Ratio	Lower	Upper
91	100		
120	22.0	11.1	33.1

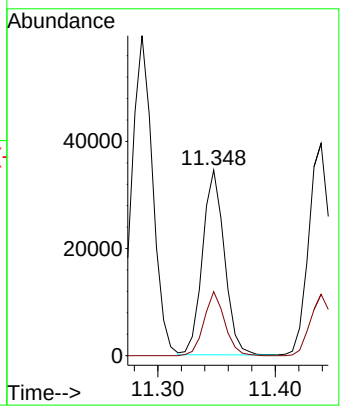




#79
2-Chlorotoluene
Concen: 5.194 ug/l
RT: 11.348 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 91 Resp: 4466

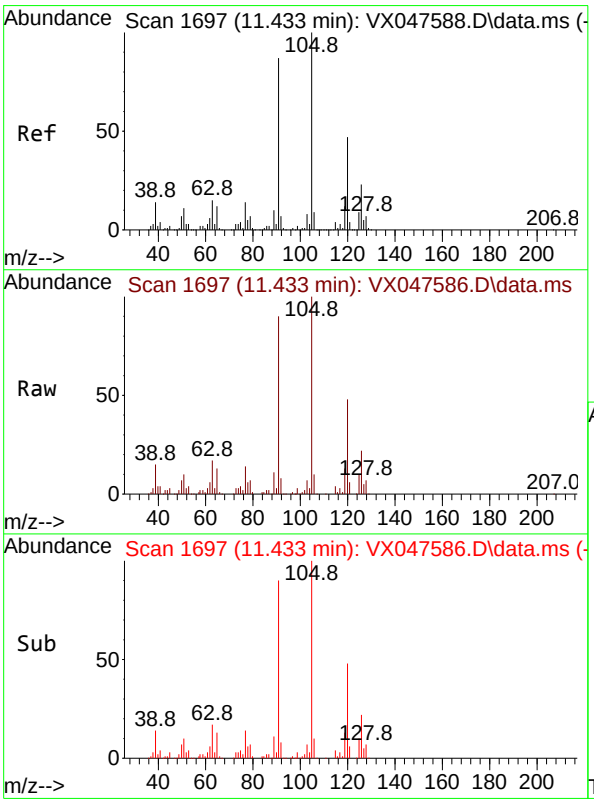
Ion	Ratio	Lower	Upper
91	100		
126	32.7	16.1	48.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

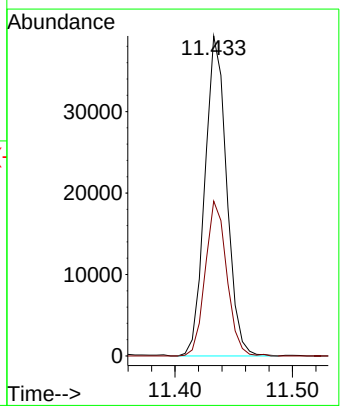
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

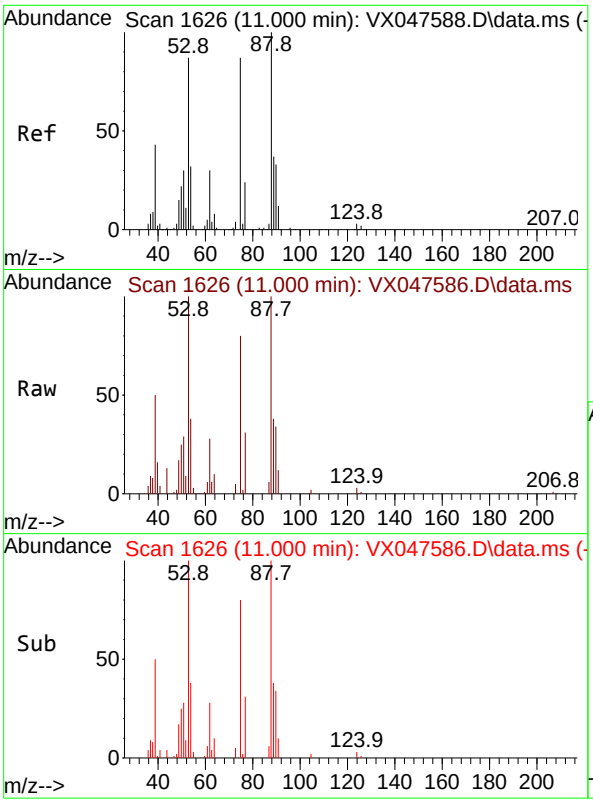


#80
1,3,5-Trimethylbenzene
Concen: 5.179 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:105 Resp: 50535

Ion	Ratio	Lower	Upper
105	100		
120	47.7	23.6	70.8





#81
trans-1,4-Dichloro-2-butene
Concen: 4.364 ug/l
RT: 11.000 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

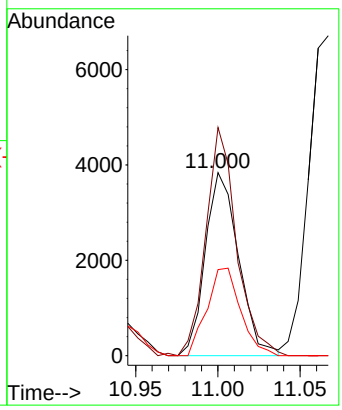
Tgt Ion: 75 Resp: 541

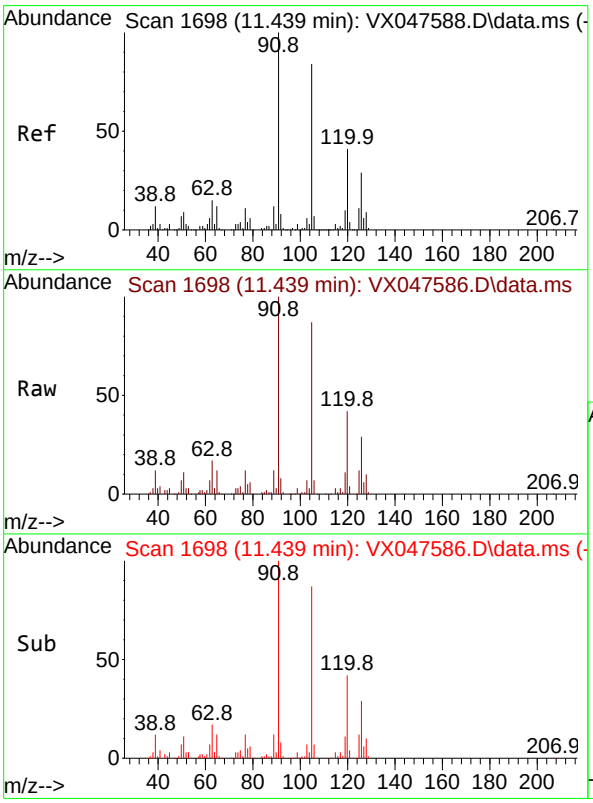
Ion	Ratio	Lower	Upper
75	100		
53	114.9	83.4	125.2
89	48.3	36.3	54.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

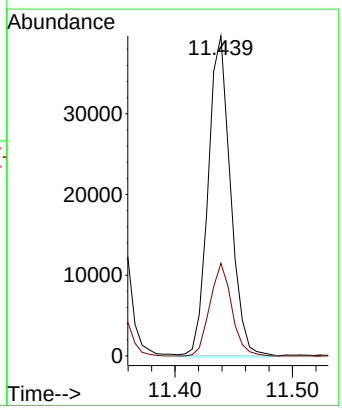


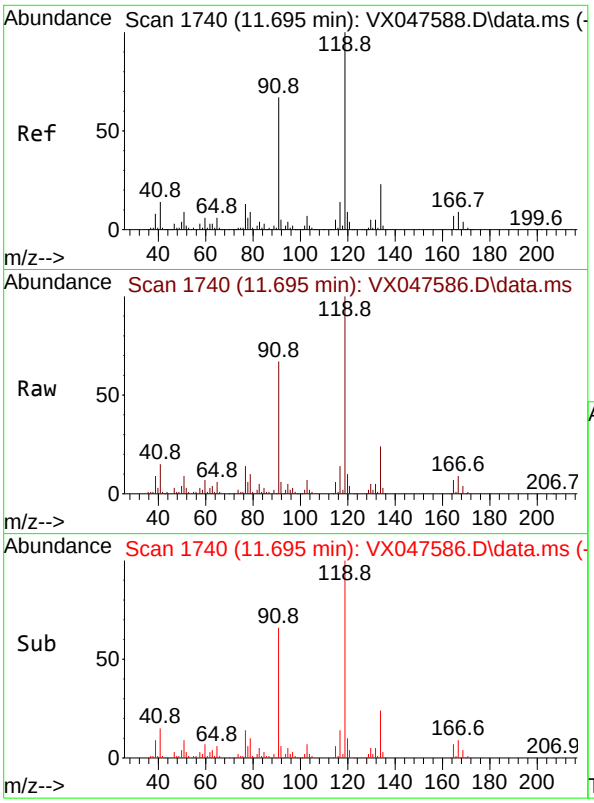


#82
4-Chlorotoluene
Concen: 5.149 ug/l
RT: 11.439 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 91 Resp: 52294

Ion	Ratio	Lower	Upper
91	100		
126	28.3	14.2	42.6

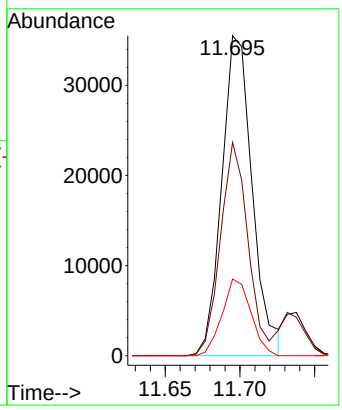




#83
tert-Butylbenzene
Concen: 5.041 ug/l
RT: 11.695 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:119 Resp: 5035

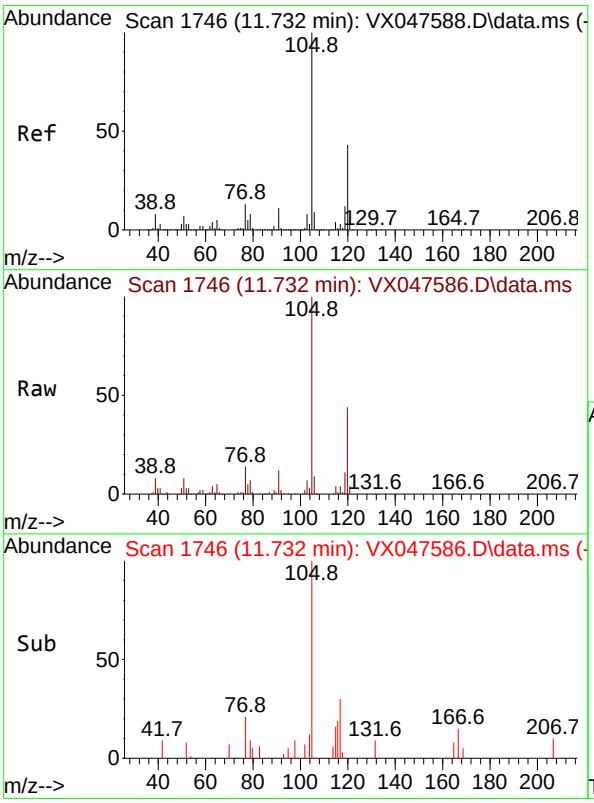
Ion	Ratio	Lower	Upper
119	100		
91	60.1	29.6	88.8
134	22.7	11.0	33.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

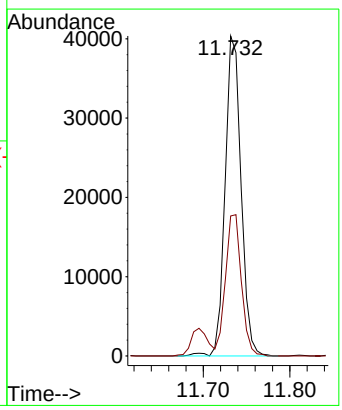
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

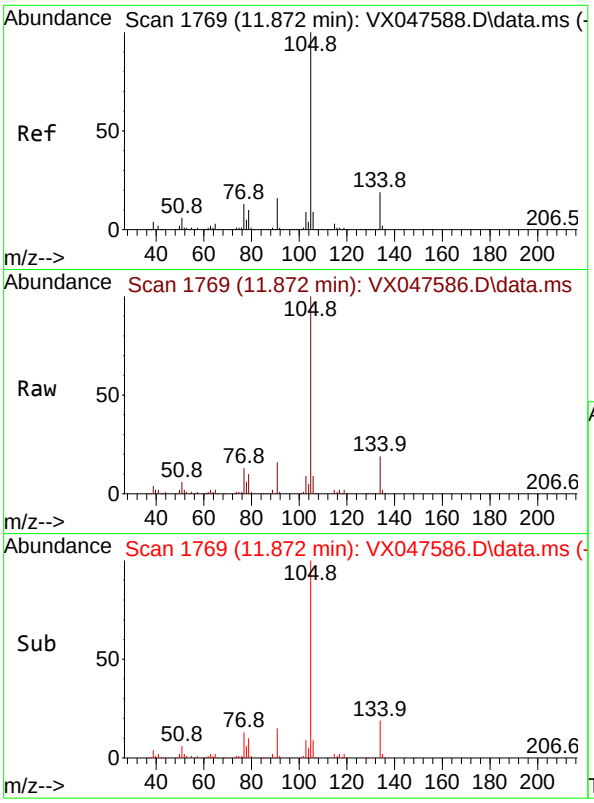


#84
1,2,4-Trimethylbenzene
Concen: 5.214 ug/l
RT: 11.732 min Scan# 1746
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:105 Resp: 51583

Ion	Ratio	Lower	Upper
105	100		
120	44.1	22.1	66.1

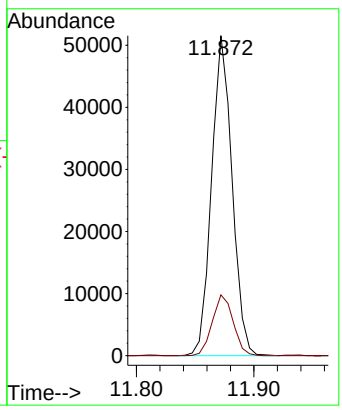




#85
sec-Butylbenzene
Concen: 5.268 ug/l
RT: 11.872 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:105 Resp: 6250

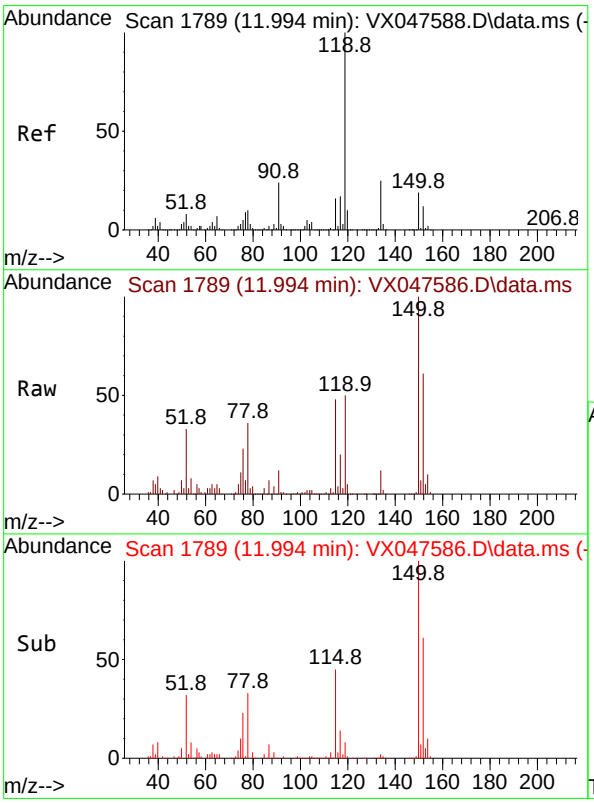
Ion	Ratio	Lower	Upper
105	100		
134	19.4	9.8	29.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

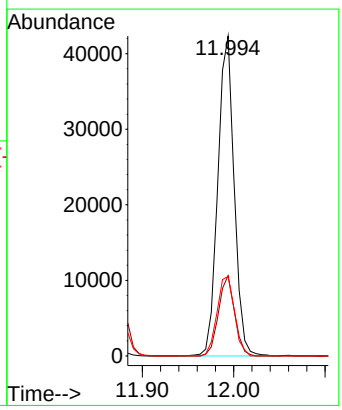
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

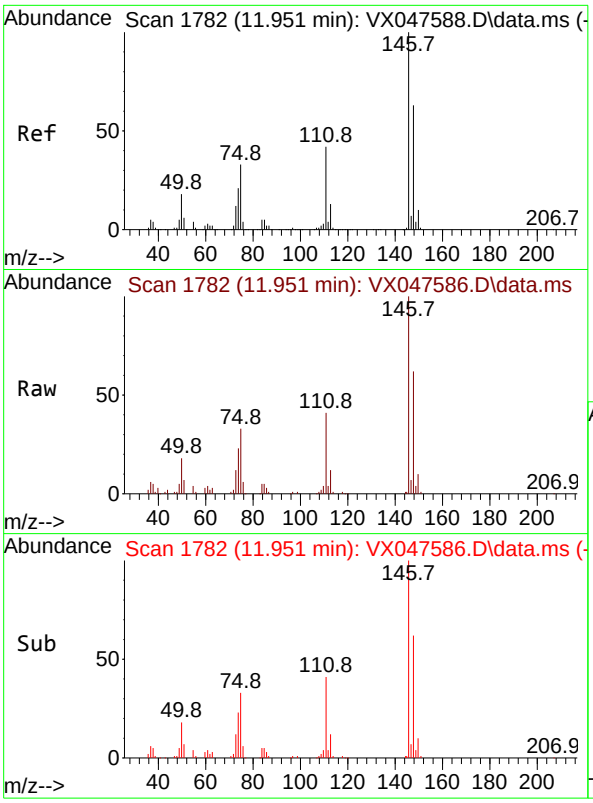


#86
p-Isopropyltoluene
Concen: 5.244 ug/l
RT: 11.994 min Scan# 1789
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:119 Resp: 52674

Ion	Ratio	Lower	Upper
119	100		
134	24.7	12.6	37.8
91	26.2	12.6	37.6

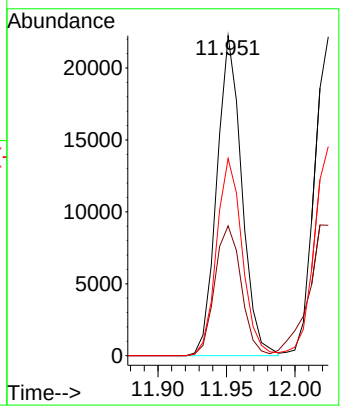




#87
1,3-Dichlorobenzene
Concen: 5.175 ug/l
RT: 11.951 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:146 Resp: 2811

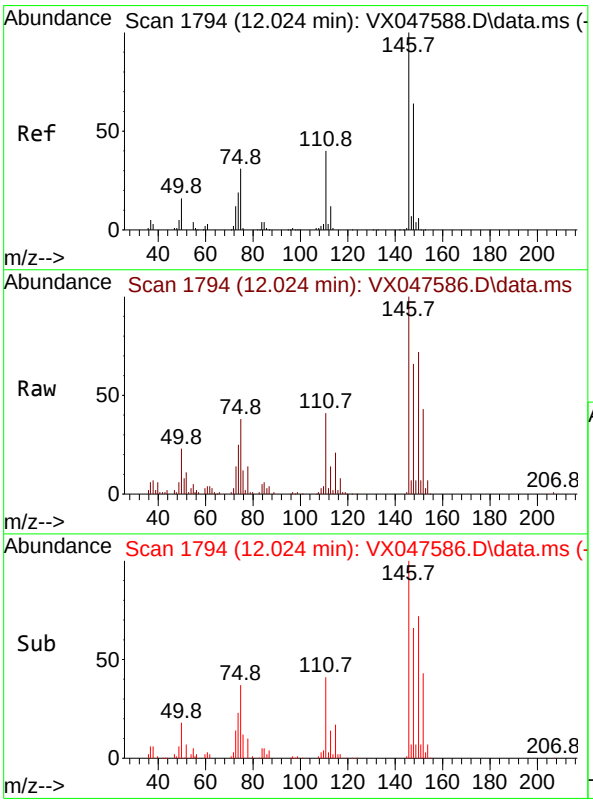
Ion	Ratio	Lower	Upper
146	100		
111	43.0	21.5	64.5
148	63.4	32.0	96.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

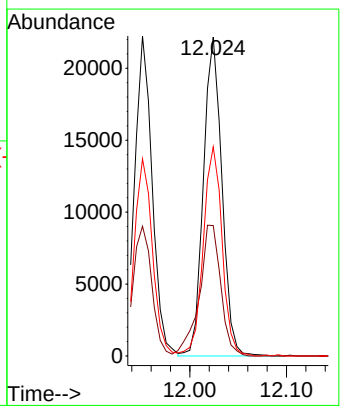
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

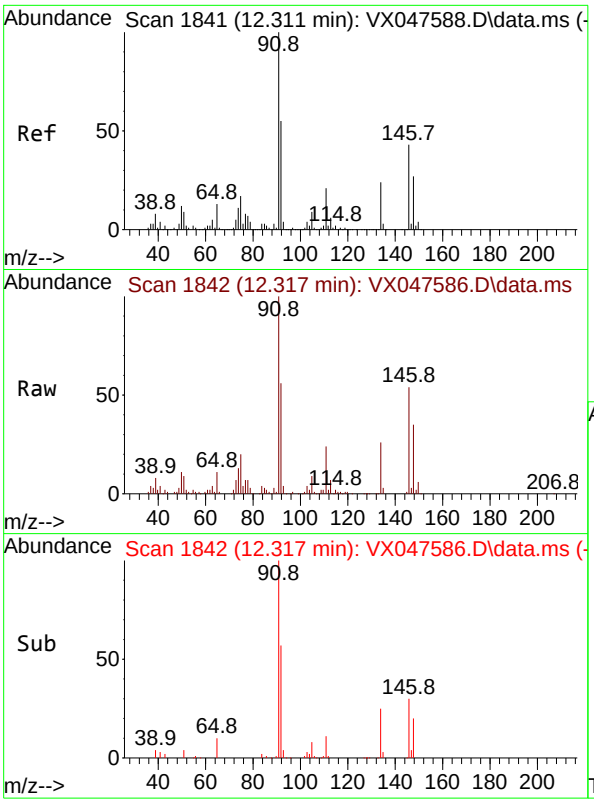


#88
1,4-Dichlorobenzene
Concen: 5.294 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:146 Resp: 29519

Ion	Ratio	Lower	Upper
146	100		
111	47.8	20.8	62.4
148	66.9	31.7	95.1

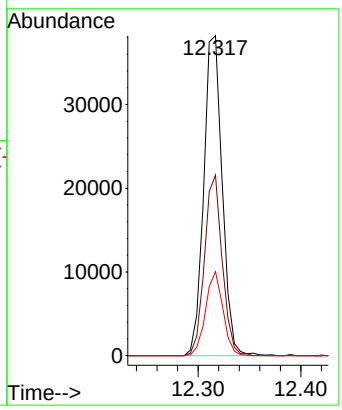




#89
n-Butylbenzene
Concen: 5.159 ug/l
RT: 12.317 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 91 Resp: 4795

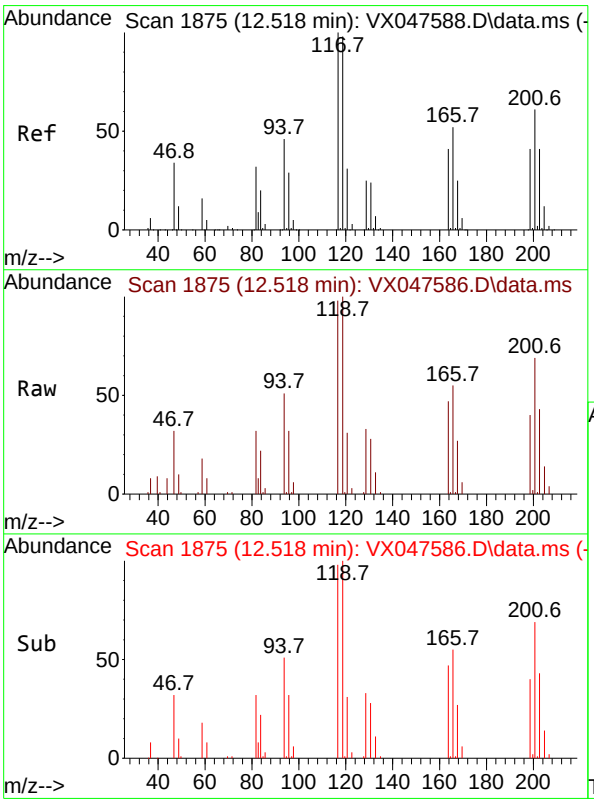
Ion	Ratio	Lower	Upper
91	100		
92	54.1	27.6	82.7
134	24.6	12.6	37.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

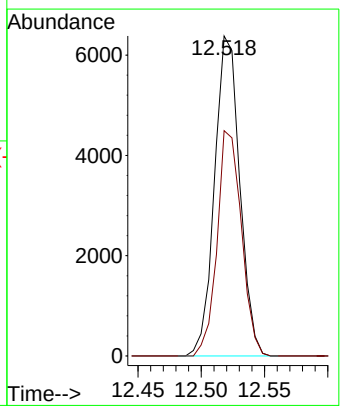
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

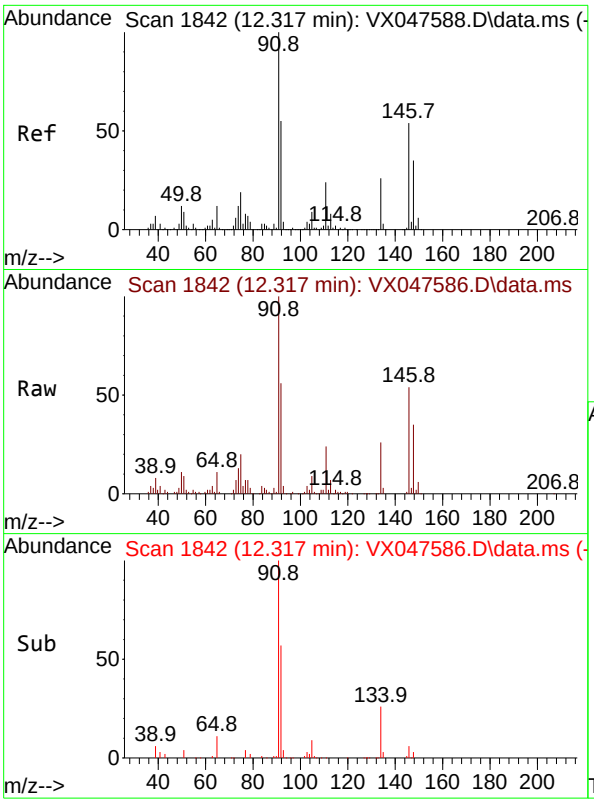


#90
Hexachloroethane
Concen: 5.007 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:117 Resp: 8830

Ion	Ratio	Lower	Upper
117	100		
201	67.9	34.2	102.5

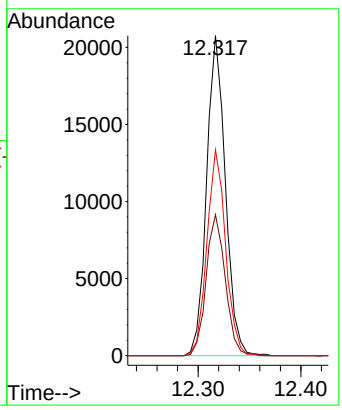




#91
1,2-Dichlorobenzene
Concen: 5.102 ug/l
RT: 12.317 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:146 Resp: 2640

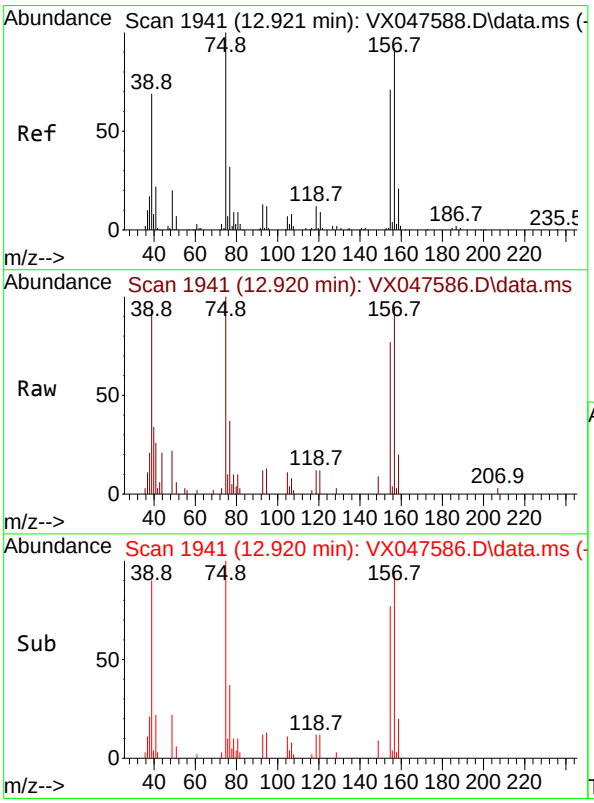
Ion	Ratio	Lower	Upper
146	100		
111	44.9	22.2	66.6
148	64.2	31.8	95.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

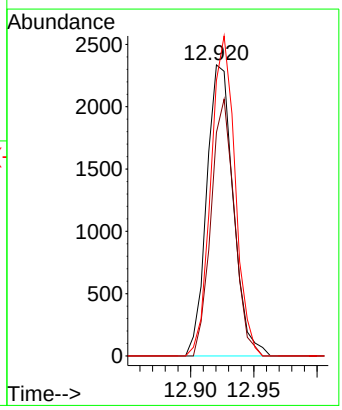
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

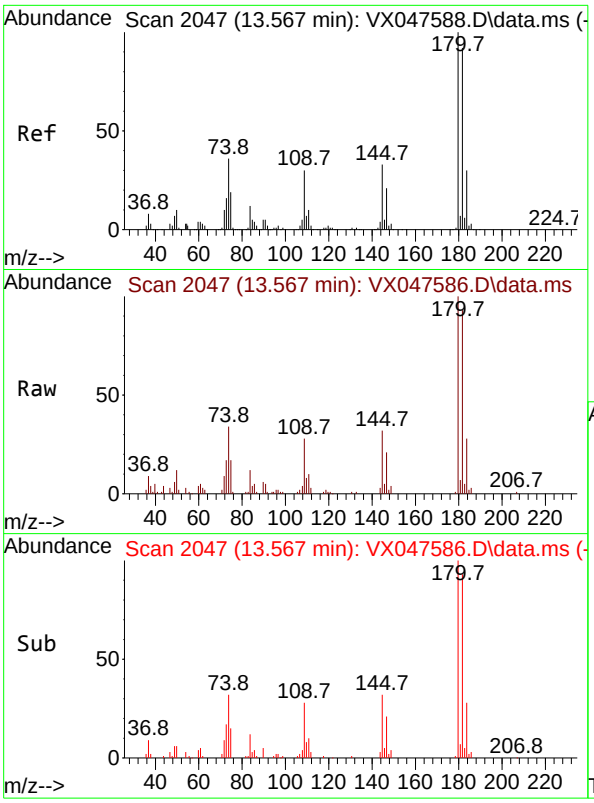


#92
1,2-Dibromo-3-Chloropropane
Concen: 4.690 ug/l
RT: 12.920 min Scan# 1941
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 75 Resp: 3412

Ion	Ratio	Lower	Upper
75	100		
155	77.4	37.7	113.1
157	100.1	49.8	149.4

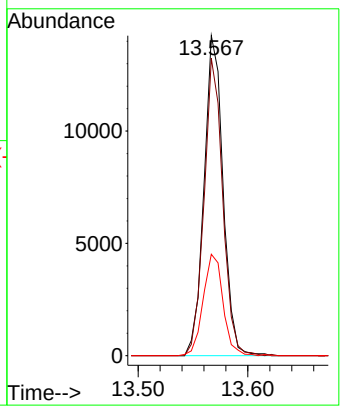




#93
1,2,4-Trichlorobenzene
Concen: 5.103 ug/l
RT: 13.567 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:180 Resp: 1716

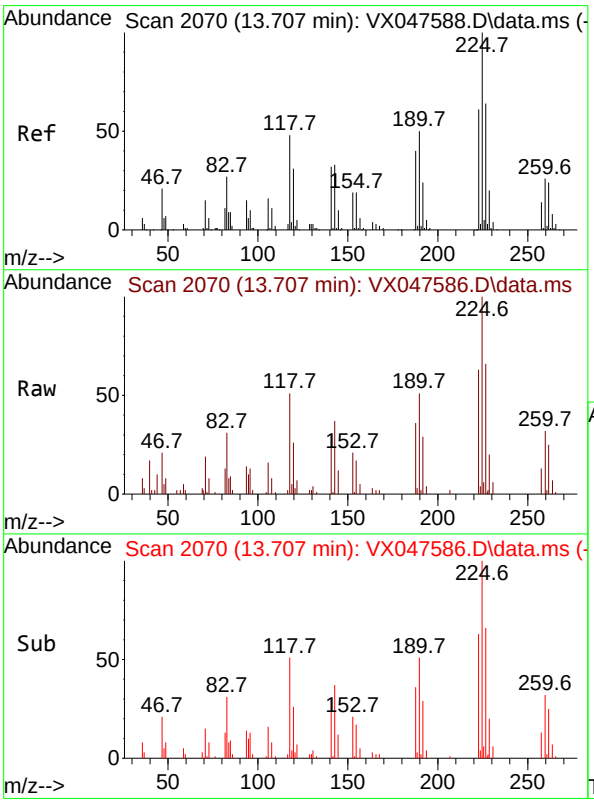
Ion	Ratio	Lower	Upper
180	100		
182	91.2	46.6	139.8
145	33.2	16.4	49.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

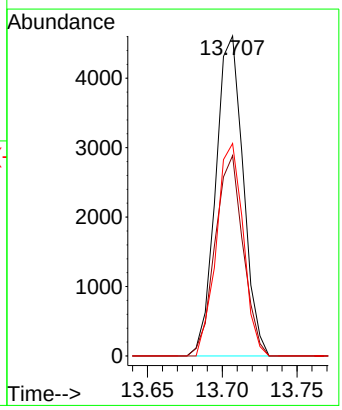
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

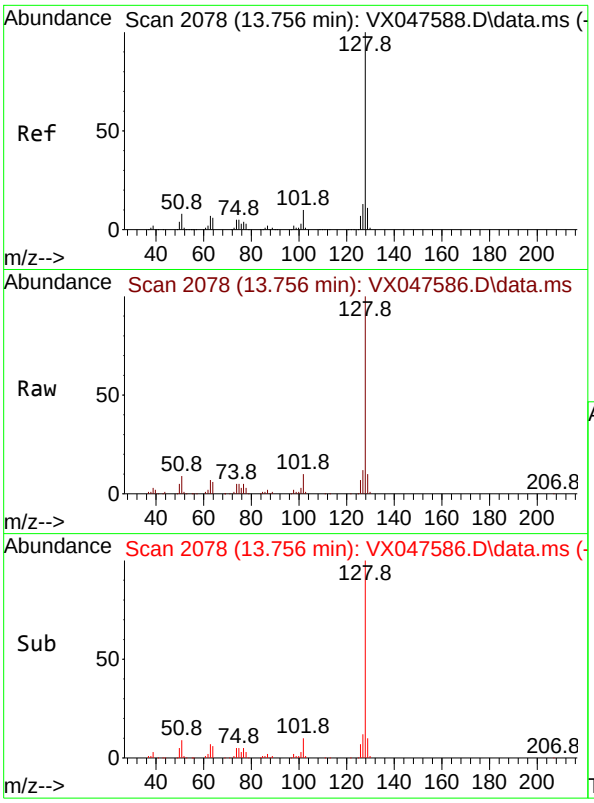


#94
Hexachlorobutadiene
Concen: 5.158 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:225 Resp: 5894

Ion	Ratio	Lower	Upper
225	100		
223	63.7	31.7	95.1
227	64.7	32.0	96.0

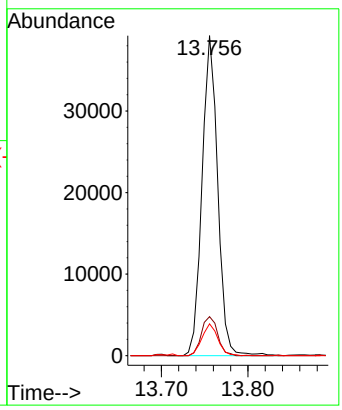




#95
Naphthalene
Concen: 4.808 ug/l
RT: 13.756 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:128 Resp: 4925

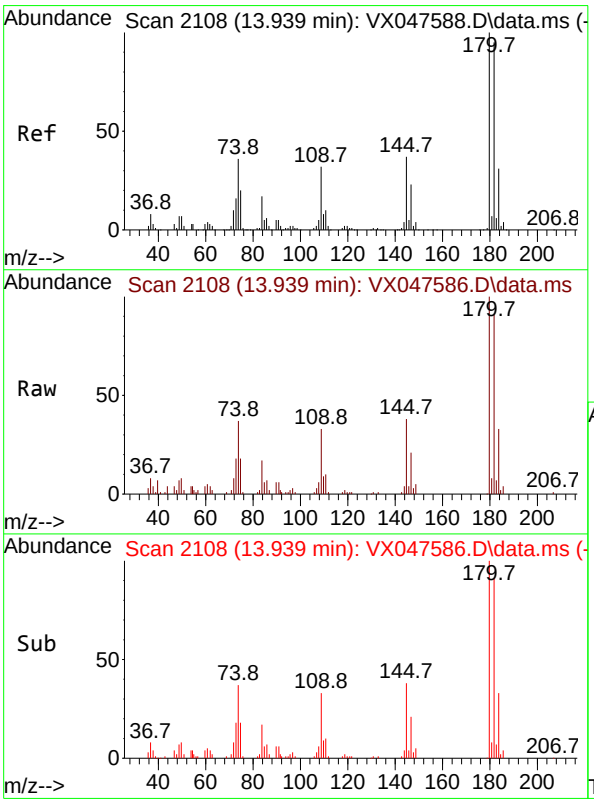
Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.2	15.2
129	10.1	8.8	13.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

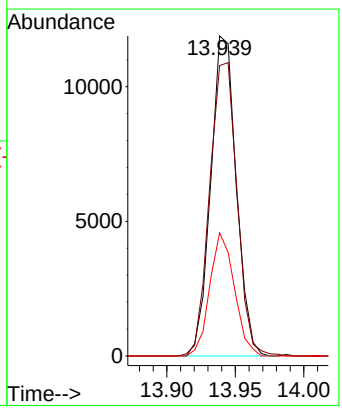
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025



#96
1,2,3-Trichlorobenzene
Concen: 4.921 ug/l
RT: 13.939 min Scan# 2108
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:180 Resp: 15400

Ion	Ratio	Lower	Upper
180	100		
182	98.0	47.6	142.8
145	37.1	17.9	53.7



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047587.D
Acq On : 16 Sep 2025 10:37
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 17 06:12:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:04:35 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.537	168	189559	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	336287	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	298629	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	141590	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	49073	16.264	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 32.520%#			
35) Dibromofluoromethane	5.379	113	35788	15.868	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 31.740%#			
50) Toluene-d8	8.634	98	126875	16.258	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 32.520%#			
62) 4-Bromofluorobenzene	11.067	95	48454	16.360	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 32.720%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.179	85	44126	22.480	ug/l	100
3) Chloromethane	1.300	50	56023	21.716	ug/l	96
4) Vinyl Chloride	1.386	62	54256	21.485	ug/l	96
5) Bromomethane	1.617	94	34193	21.353	ug/l	100
6) Chloroethane	1.697	64	35551	21.063	ug/l	97
7) Trichlorofluoromethane	1.898	101	78667	20.980	ug/l	100
8) Diethyl Ether	2.136	74	31335	20.429	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.337	101	45733	20.859	ug/l	98
10) Methyl Iodide	2.459	142	69935	20.452	ug/l	99
11) Tert butyl alcohol	2.946	59	32456	96.582	ug/l	98
12) 1,1-Dichloroethene	2.325	96	46863	20.808	ug/l	96
13) Acrolein	2.239	56	26159	84.473	ug/l	100
14) Allyl chloride	2.666	41	94710	20.379	ug/l	97
15) Acrylonitrile	3.062	53	130143	104.554	ug/l	99
16) Acetone	2.373	43	151538	115.507	ug/l	100
17) Carbon Disulfide	2.520	76	133296	21.620	ug/l	98
18) Methyl Acetate	2.703	43	54120	18.536	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	168426	20.486	ug/l	98
20) Methylene Chloride	2.788	84	57153	20.581	ug/l	97
21) trans-1,2-Dichloroethene	3.093	96	50413	20.791	ug/l	94
22) Diisopropyl ether	3.757	45	188598	20.940	ug/l	96
23) Vinyl Acetate	3.715	43	765675	106.218	ug/l	100
24) 1,1-Dichloroethane	3.605	63	98509	20.578	ug/l	99
25) 2-Butanone	4.538	43	179487	109.679	ug/l	94
26) 2,2-Dichloropropane	4.471	77	81413	20.459	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	60865	20.497	ug/l	98
28) Bromochloromethane	4.891	49	34085	16.309	ug/l	100
29) Tetrahydrofuran	4.995	42	102935	104.560	ug/l	97
30) Chloroform	5.080	83	103586	21.413	ug/l	99
31) Cyclohexane	5.464	56	82770	20.759	ug/l	98
32) 1,1,1-Trichloroethane	5.373	97	86500	21.081	ug/l	99
36) 1,1-Dichloropropene	5.684	75	68395	20.754	ug/l	99
37) Ethyl Acetate	4.702	43	74499	21.113	ug/l	96
38) Carbon Tetrachloride	5.665	117	74636	20.844	ug/l	95
39) Methylcyclohexane	7.366	83	79499	21.251	ug/l	98
40) Benzene	6.025	78	210711	21.051	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047587.D
Acq On : 16 Sep 2025 10:37
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 17 06:12:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:04:35 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.910	41	38525	21.148	ug/l		99
42) 1,2-Dichloroethane	6.074	62	80646	21.175	ug/l		99
43) Isopropyl Acetate	6.324	43	119623	20.670	ug/l		100
44) Trichloroethene	7.110	130	51369	21.228	ug/l		97
45) 1,2-Dichloropropane	7.415	63	53046	20.697	ug/l		97
46) Dibromomethane	7.568	93	38910	20.862	ug/l		99
47) Bromodichloromethane	7.805	83	80831	21.002	ug/l		98
48) Methyl methacrylate	7.677	41	60182	20.877	ug/l		98
49) 1,4-Dioxane	7.647	88	12047	413.530	ug/l		95
51) 4-Methyl-2-Pentanone	8.561	43	338370	105.456	ug/l		100
52) Toluene	8.708	92	129193	20.950	ug/l		99
53) t-1,3-Dichloropropene	8.964	75	80972	20.625	ug/l		100
54) cis-1,3-Dichloropropene	8.354	75	86648	20.650	ug/l		99
55) 1,1,2-Trichloroethane	9.140	97	49857	20.967	ug/l		98
56) Ethyl methacrylate	9.104	69	79011	21.158	ug/l		99
57) 1,3-Dichloropropane	9.293	76	85511	20.934	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.226	63	141395	86.617	ug/l		100
59) 2-Hexanone	9.415	43	250007	108.488	ug/l		99
60) Dibromochloromethane	9.506	129	57994	21.167	ug/l		99
61) 1,2-Dibromoethane	9.598	107	51614	21.310	ug/l		99
64) Tetrachloroethene	9.262	164	40840	20.979	ug/l		95
65) Chlorobenzene	10.061	112	140642	20.731	ug/l		100
66) 1,1,1,2-Tetrachloroethane	10.146	131	48022	20.513	ug/l		99
67) Ethyl Benzene	10.177	91	244737	20.907	ug/l		98
68) m/p-Xylenes	10.287	106	182778	41.951	ug/l		100
69) o-Xylene	10.628	106	87651	20.799	ug/l		98
70) Styrene	10.640	104	154077	20.866	ug/l		99
71) Bromoform	10.780	173	35922	20.550	ug/l	#	98
73) Isopropylbenzene	10.945	105	225730	20.970	ug/l		99
74) N-amyl acetate	10.829	43	104823	21.354	ug/l		100
75) 1,1,2,2-Tetrachloroethane	11.195	83	68132	20.920	ug/l		99
76) 1,2,3-Trichloropropane	11.225	75	60797m	20.680	ug/l		
77) Bromobenzene	11.183	156	56161	21.183	ug/l		99
78) n-propylbenzene	11.286	91	268399	21.092	ug/l		100
79) 2-Chlorotoluene	11.347	91	166237	21.329	ug/l		100
80) 1,3,5-Trimethylbenzene	11.433	105	187513	21.202	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.000	75	21553	19.173	ug/l		96
82) 4-Chlorotoluene	11.439	91	193122	20.980	ug/l		100
83) tert-Butylbenzene	11.695	119	189484	20.929	ug/l		100
84) 1,2,4-Trimethylbenzene	11.738	105	191477	21.355	ug/l		98
85) sec-Butylbenzene	11.872	105	223434	20.777	ug/l		100
86) p-Isopropyltoluene	11.994	119	190931	20.972	ug/l		98
87) 1,3-Dichlorobenzene	11.951	146	103584	21.035	ug/l		99
88) 1,4-Dichlorobenzene	12.024	146	105819	20.937	ug/l		99
89) n-Butylbenzene	12.317	91	176373	20.937	ug/l		99
90) Hexachloroethane	12.518	117	32526	20.349	ug/l		98
91) 1,2-Dichlorobenzene	12.317	146	99493	21.207	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.926	75	13729	20.821	ug/l		96
93) 1,2,4-Trichlorobenzene	13.567	180	62722	20.571	ug/l		96
94) Hexachlorobutadiene	13.707	225	20456	19.751	ug/l		98
95) Naphthalene	13.756	128	193134	20.801	ug/l		99
96) 1,2,3-Trichlorobenzene	13.938	180	58409	20.593	ug/l		100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047587.D
Acq On : 16 Sep 2025 10:37
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 17 06:12:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:04:35 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

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

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

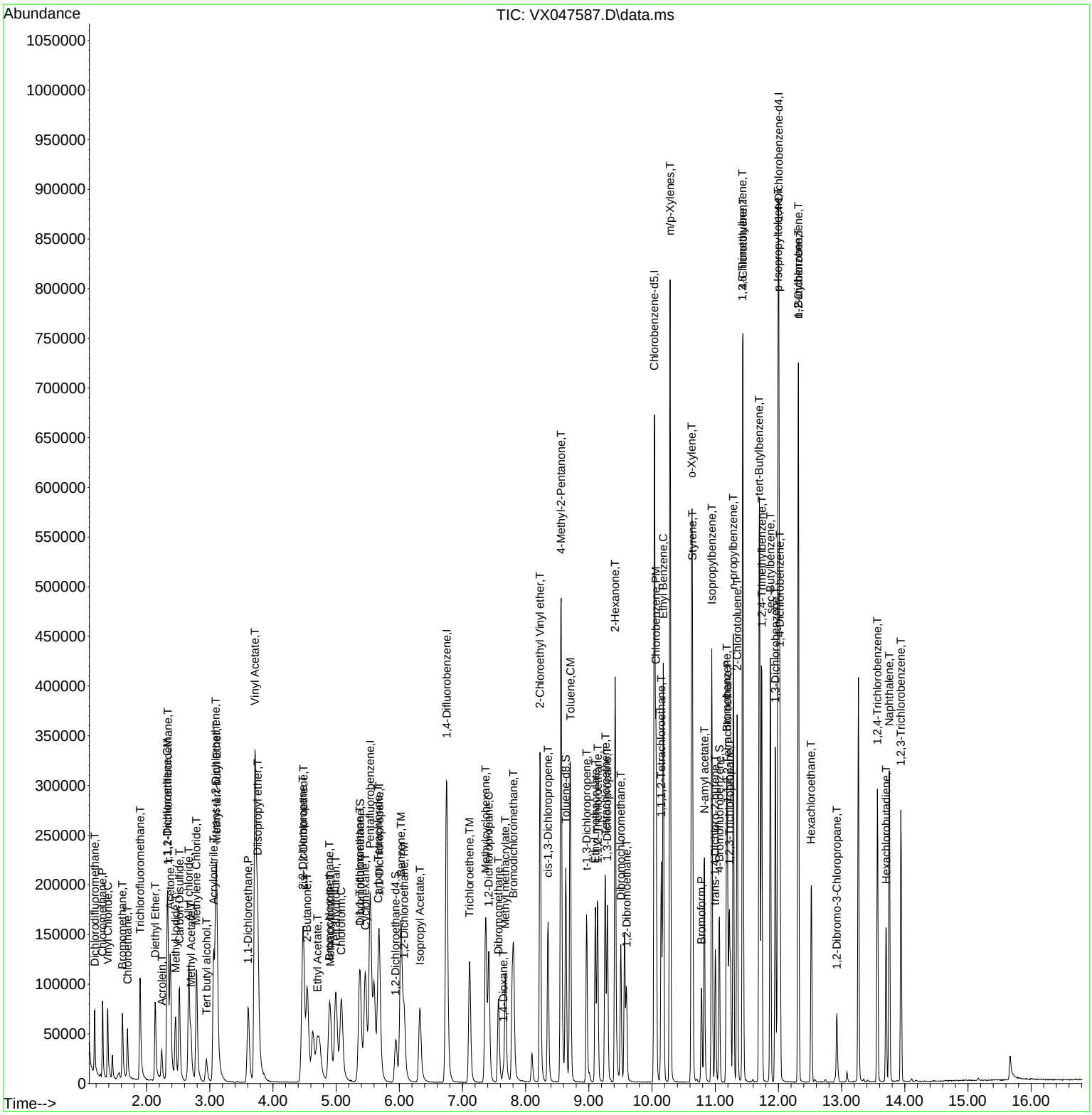
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047587.D
Acq On : 16 Sep 2025 10:37
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

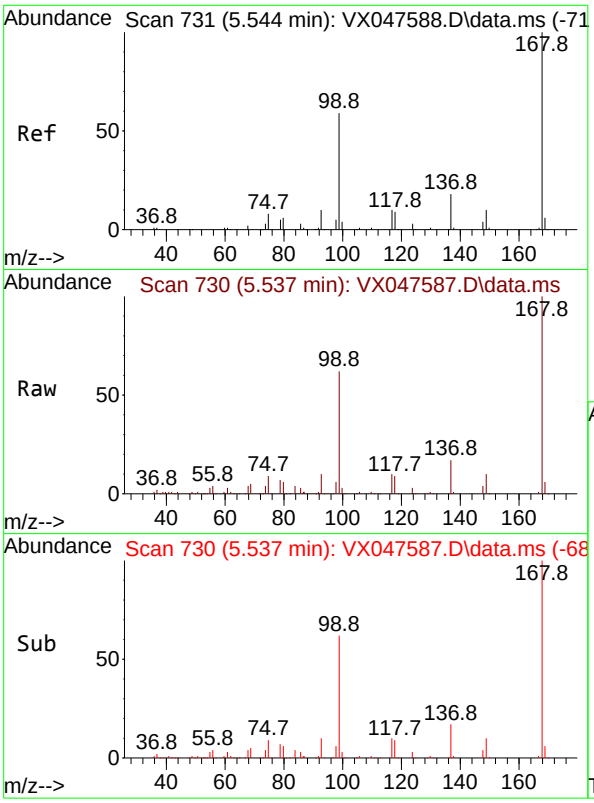
Quant Time: Sep 17 06:12:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:04:35 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

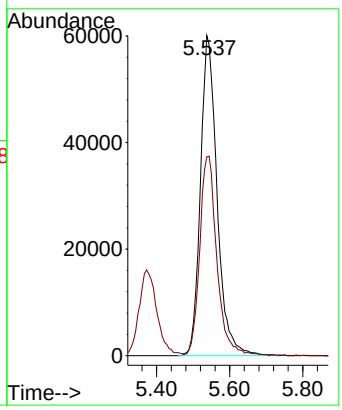




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.537 min Scan# 7
Delta R.T. -0.007 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:168 Resp: 18955

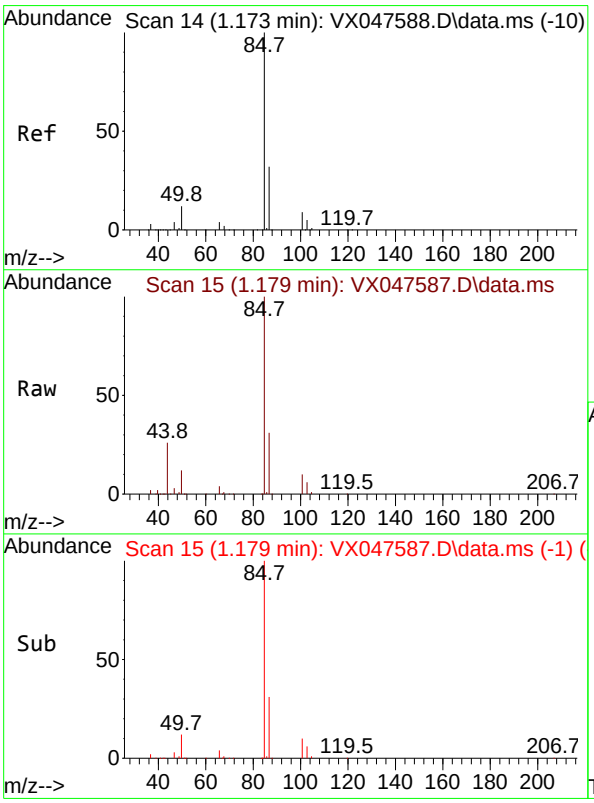
Ion	Ratio	Lower	Upper
168	100		
99	61.9	48.8	73.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

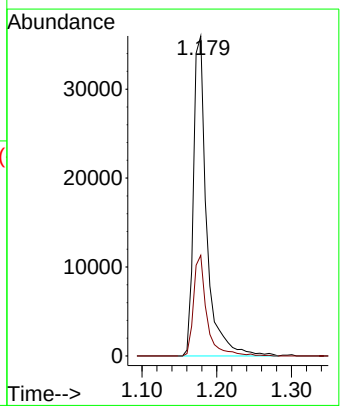
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

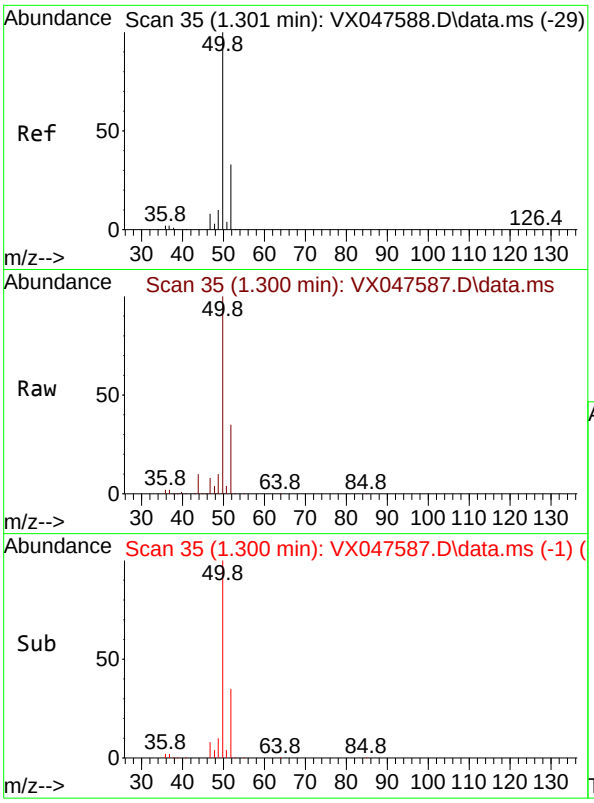


#2
Dichlorodifluoromethane
Concen: 22.480 ug/l
RT: 1.179 min Scan# 15
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 85 Resp: 44126

Ion	Ratio	Lower	Upper
85	100		
87	31.5	15.8	47.3

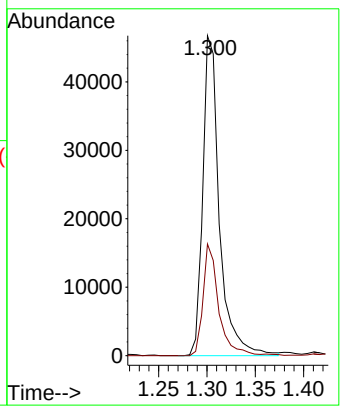




#3
Chloromethane
Concen: 21.716 ug/l
RT: 1.300 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 50 Resp: 5602

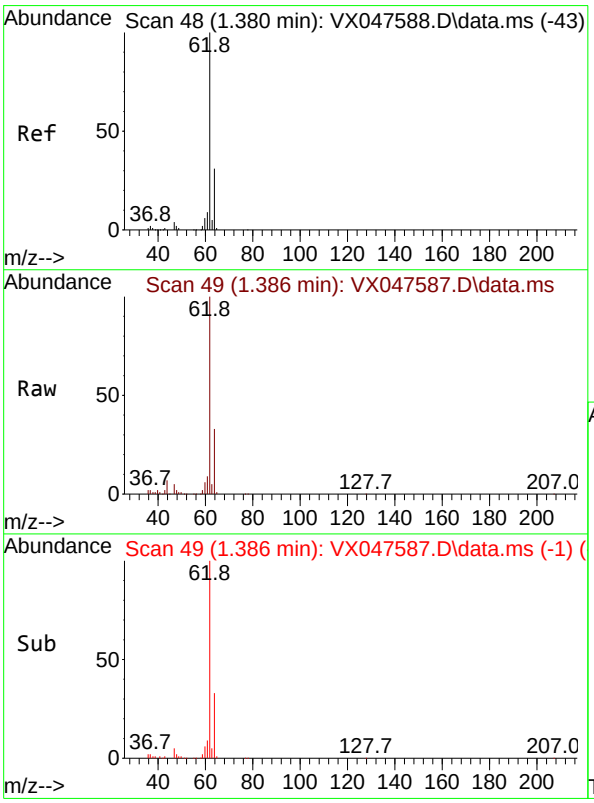
Ion	Ratio	Lower	Upper
50	100		
52	34.9	26.1	39.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

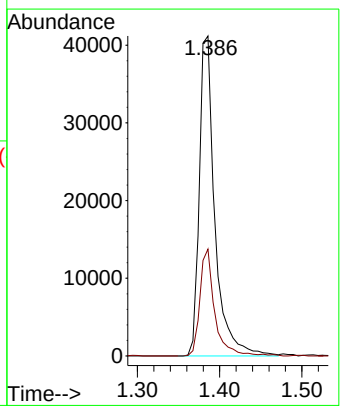
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

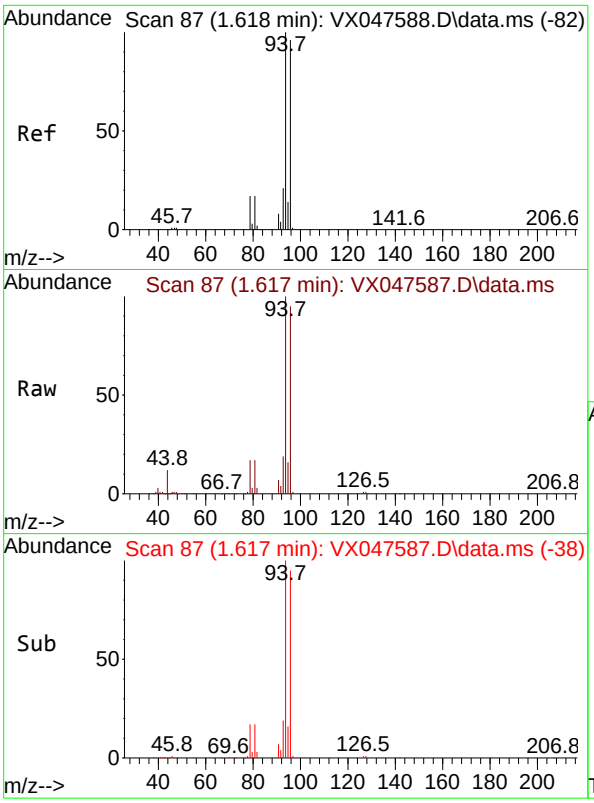


#4
Vinyl Chloride
Concen: 21.485 ug/l
RT: 1.386 min Scan# 49
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 62 Resp: 54256

Ion	Ratio	Lower	Upper
62	100		
64	33.4	24.9	37.3

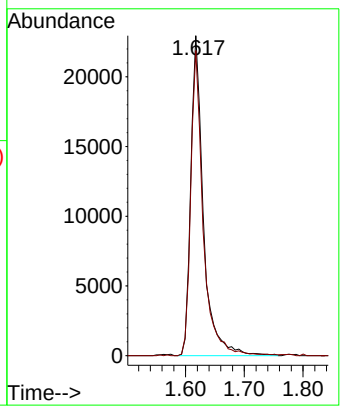




#5
Bromomethane
Concen: 21.353 ug/l
RT: 1.617 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 94 Resp: 3419

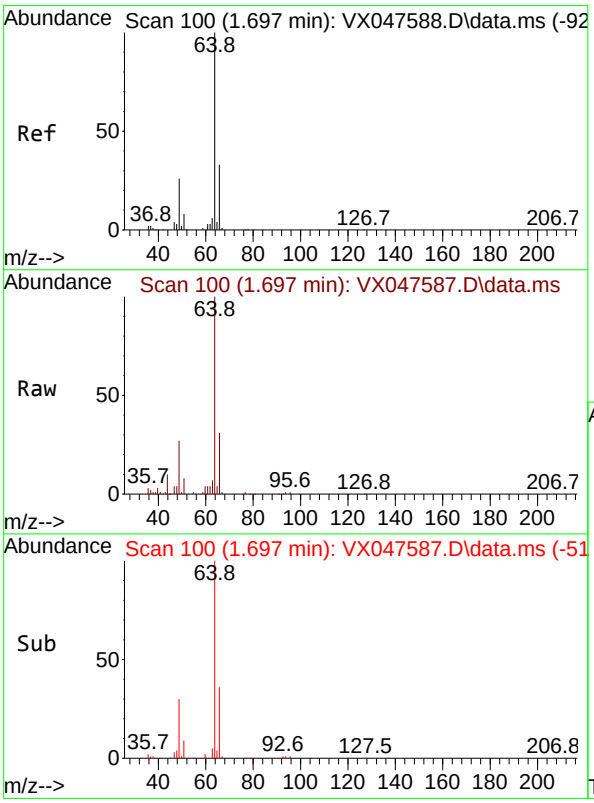
Ion	Ratio	Lower	Upper
94	100		
96	95.3	76.6	115.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

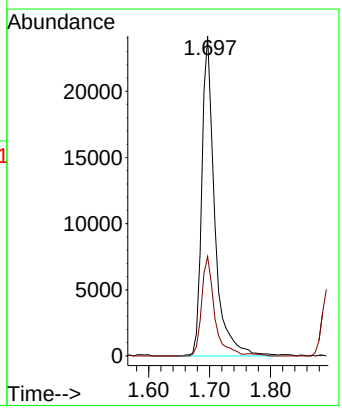
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

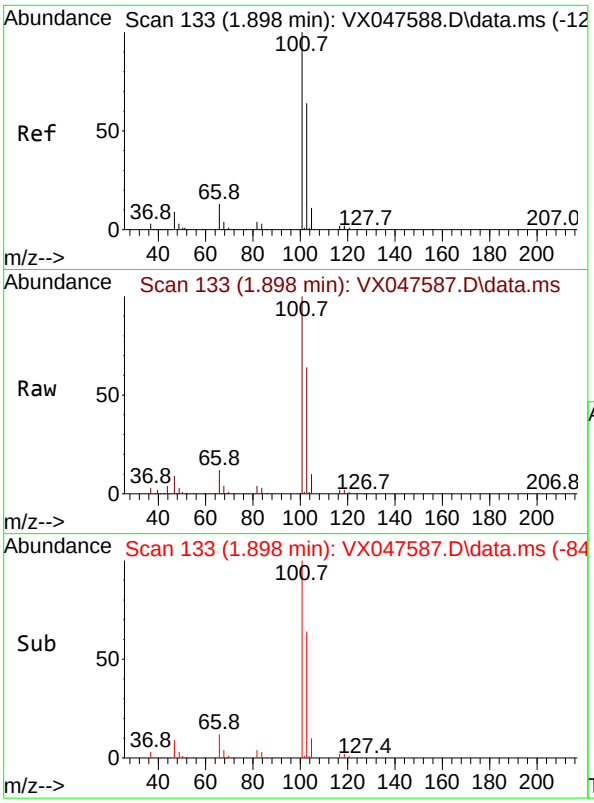


#6
Chloroethane
Concen: 21.063 ug/l
RT: 1.697 min Scan# 100
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 64 Resp: 35551

Ion	Ratio	Lower	Upper
64	100		
66	31.0	26.1	39.1

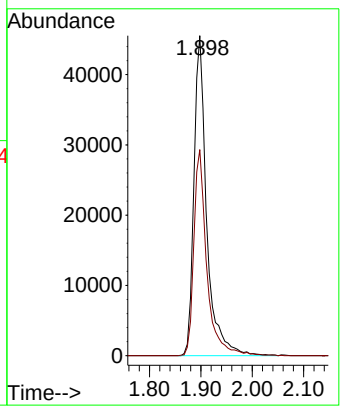




#7
Trichlorofluoromethane
Concen: 20.980 ug/l
RT: 1.898 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:101 Resp: 7866

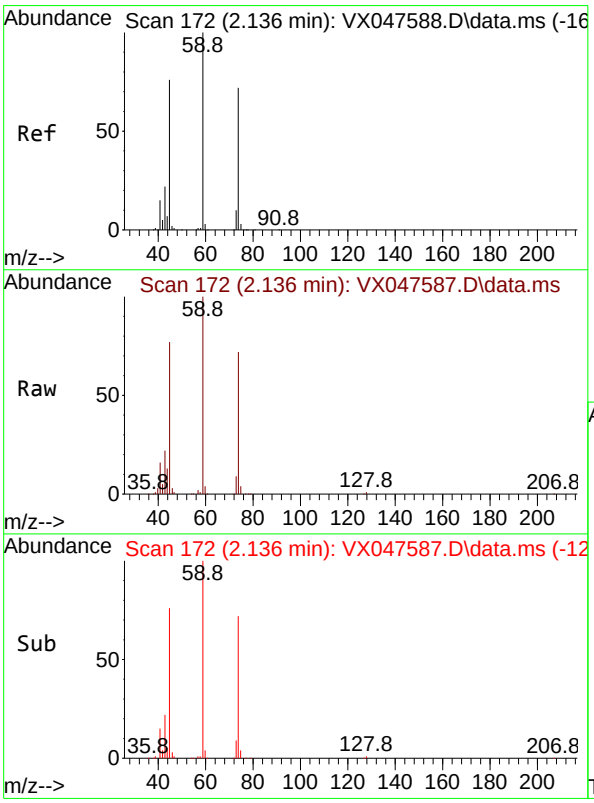
Ion	Ratio	Lower	Upper
101	100		
103	64.4	51.4	77.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

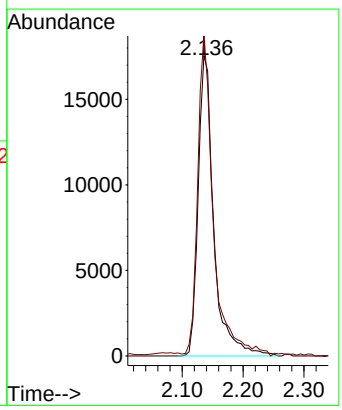
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

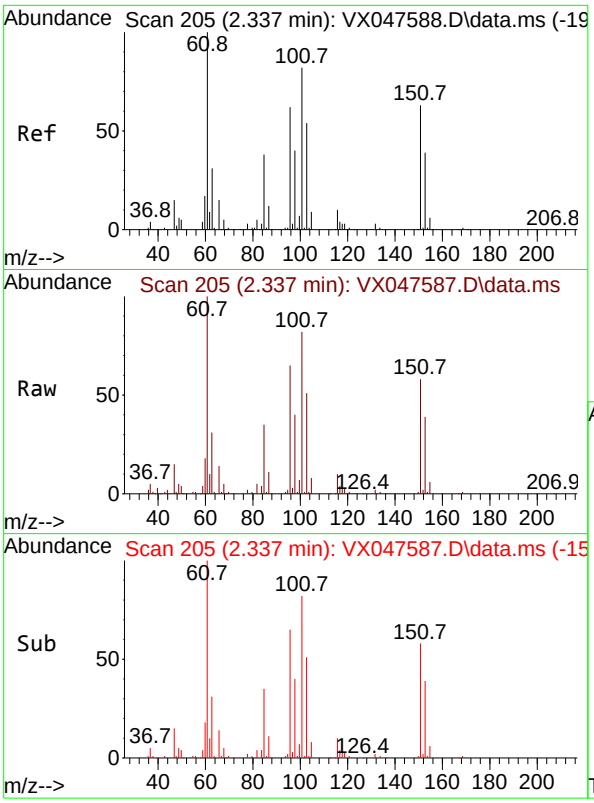


#8
Diethyl Ether
Concen: 20.429 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 74 Resp: 31335

Ion	Ratio	Lower	Upper
74	100		
45	107.0	52.3	156.8

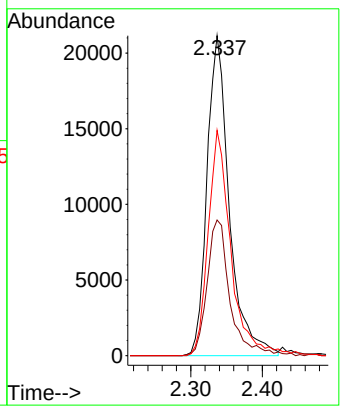




#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.859 ug/l
RT: 2.337 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:101 Resp: 4573

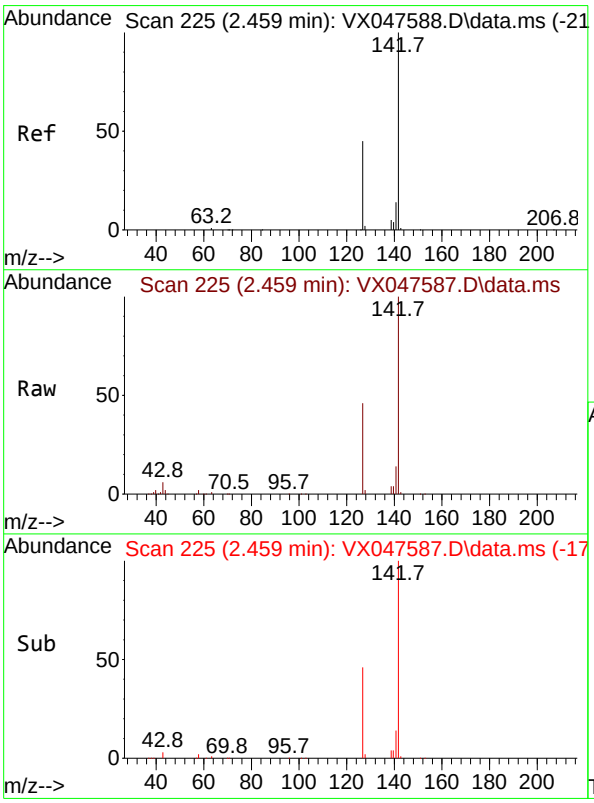
Ion	Ratio	Lower	Upper
101	100		
85	43.6	35.5	53.3
151	72.1	59.4	89.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

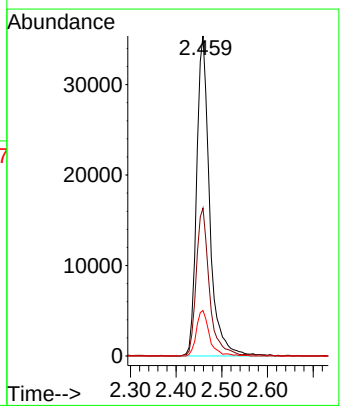
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

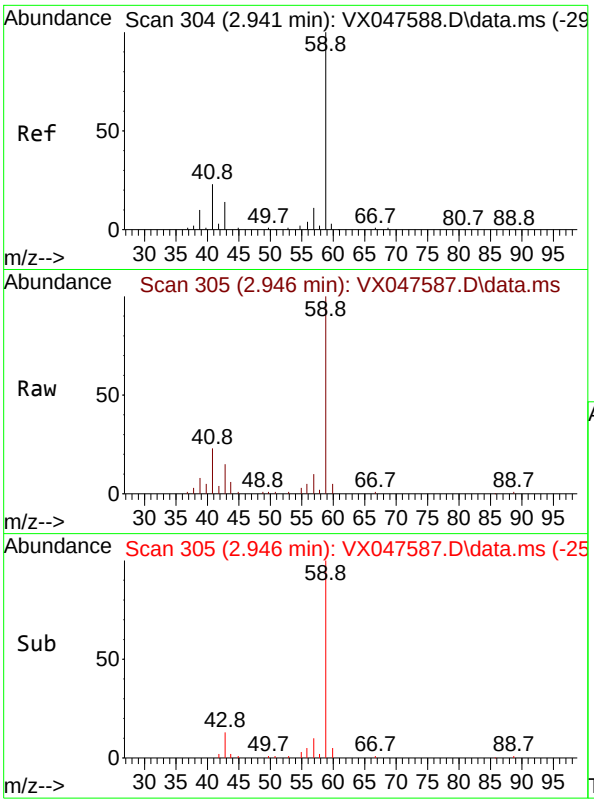


#10
Methyl Iodide
Concen: 20.452 ug/l
RT: 2.459 min Scan# 225
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:142 Resp: 69935

Ion	Ratio	Lower	Upper
142	100		
127	46.9	37.2	55.8
141	14.3	11.4	17.0

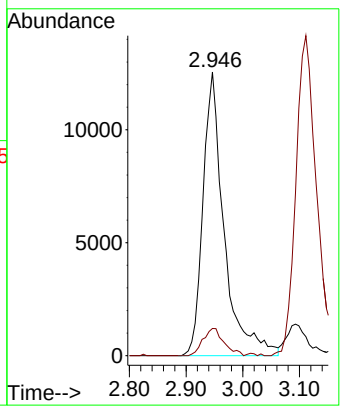




#11
Tert butyl alcohol
Concen: 96.582 ug/l
RT: 2.946 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 59 Resp: 3245

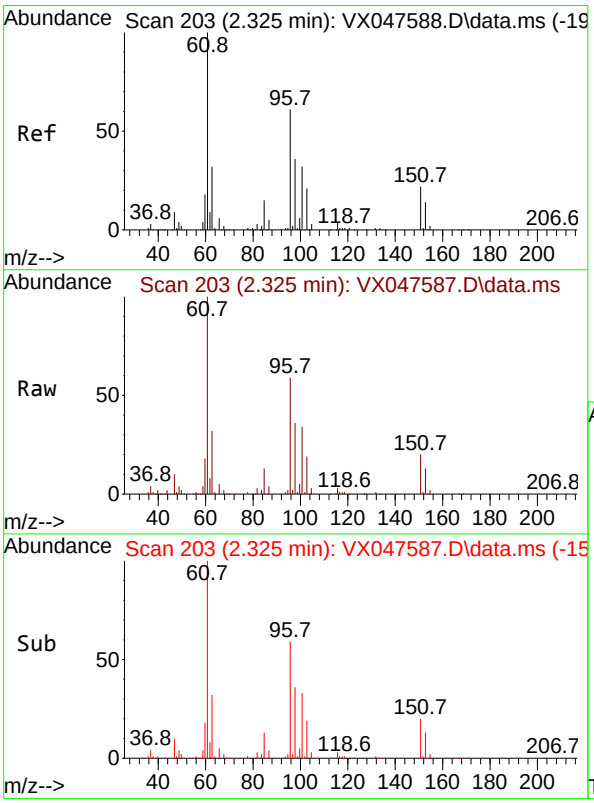
Ion	Ratio	Lower	Upper
59	100		
57	9.5	8.3	12.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

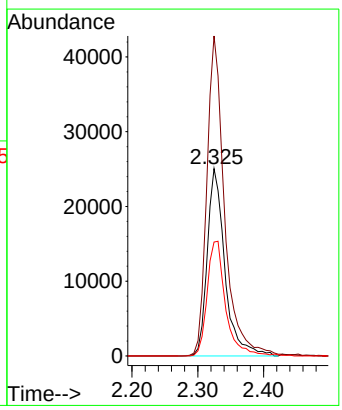
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

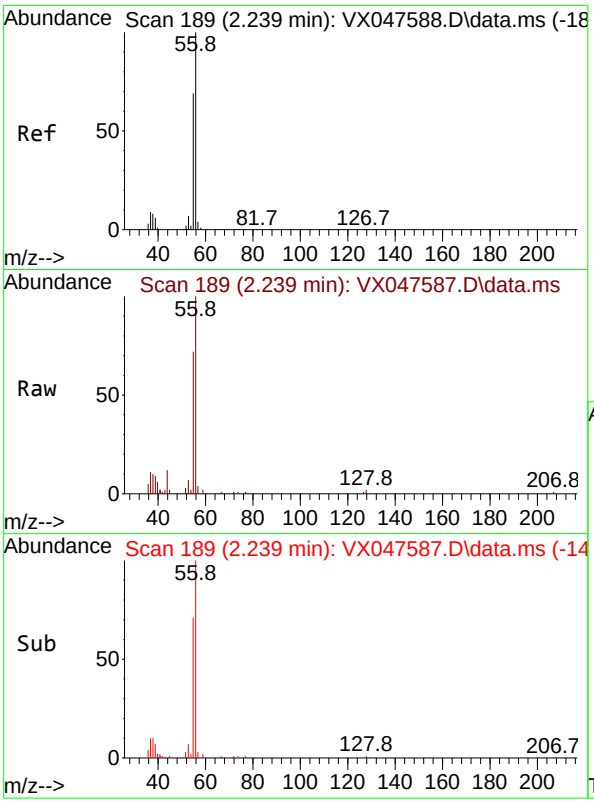


#12
1,1-Dichloroethene
Concen: 20.808 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 96 Resp: 46863

Ion	Ratio	Lower	Upper
96	100		
61	170.7	131.0	196.6
98	60.8	47.7	71.5

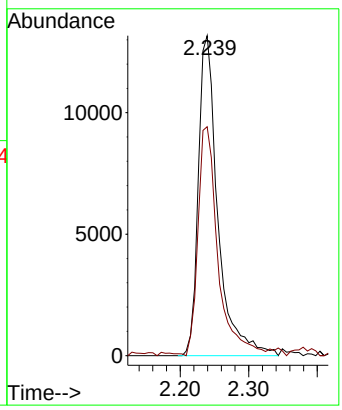




#13
Acrolein
Concen: 84.473 ug/l
RT: 2.239 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 56 Resp: 2615

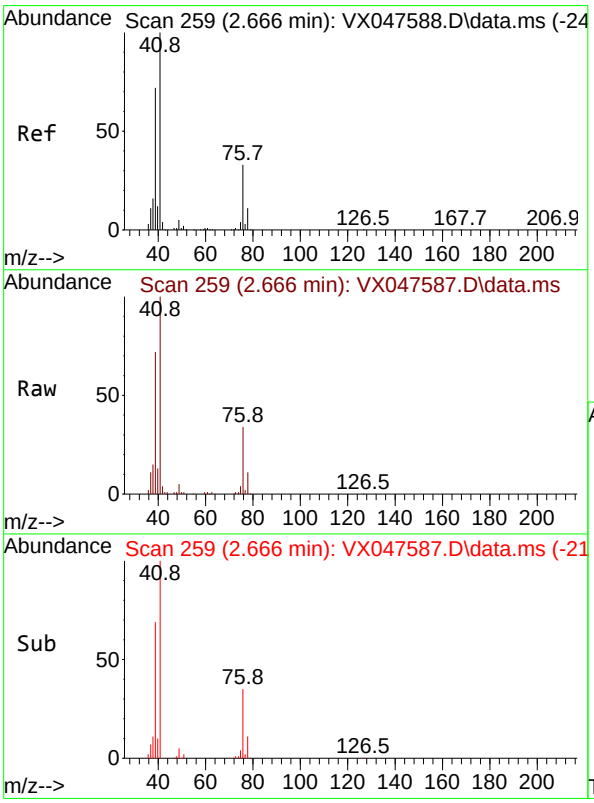
Ion	Ratio	Lower	Upper
56	100		
55	71.5	57.2	85.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

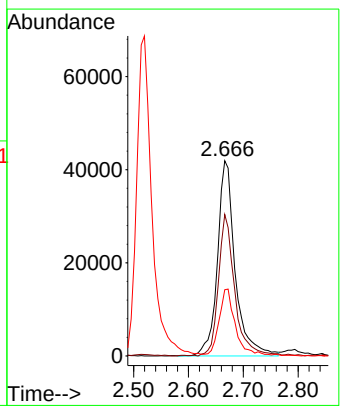
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

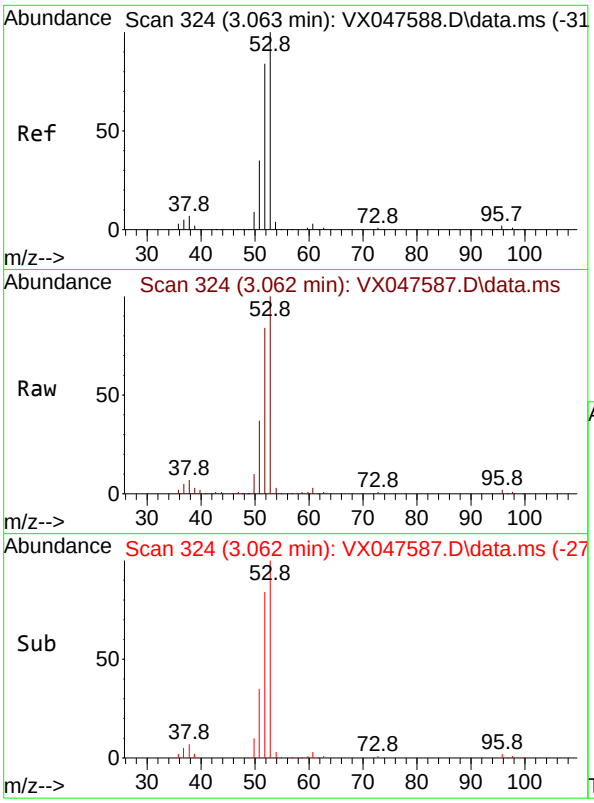


#14
Allyl chloride
Concen: 20.379 ug/l
RT: 2.666 min Scan# 259
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 41 Resp: 94710

Ion	Ratio	Lower	Upper
41	100		
39	65.5	54.7	82.1
76	30.3	25.7	38.5

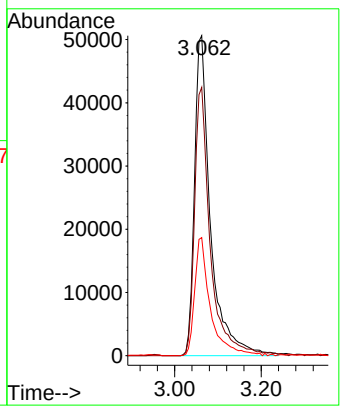




#15
Acrylonitrile
Concen: 104.554 ug/l
RT: 3.062 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 53 Resp: 13014

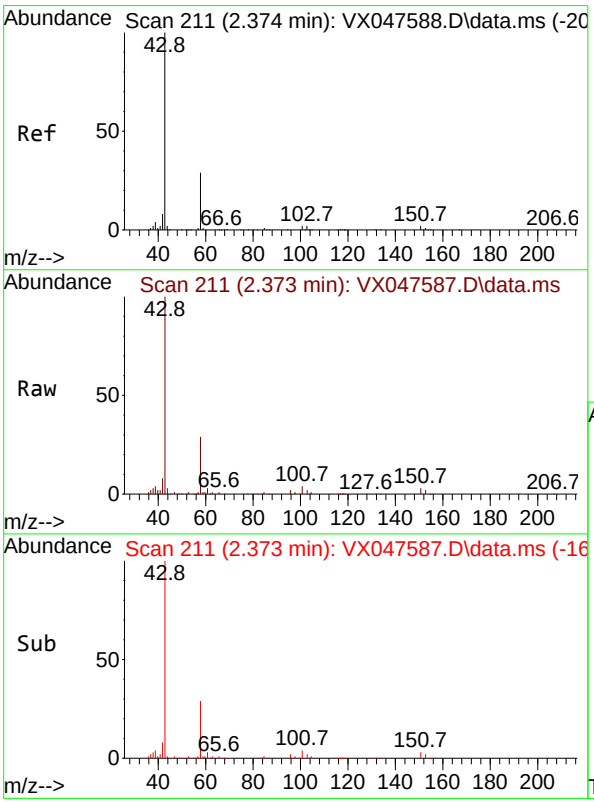
Ion	Ratio	Lower	Upper
53	100		
52	82.3	66.4	99.6
51	36.2	29.5	44.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

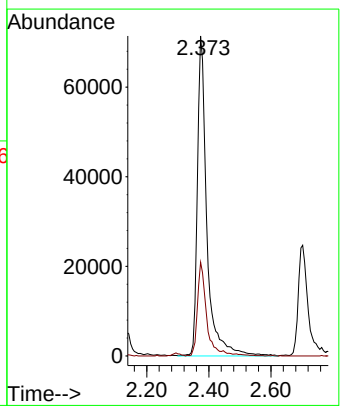
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

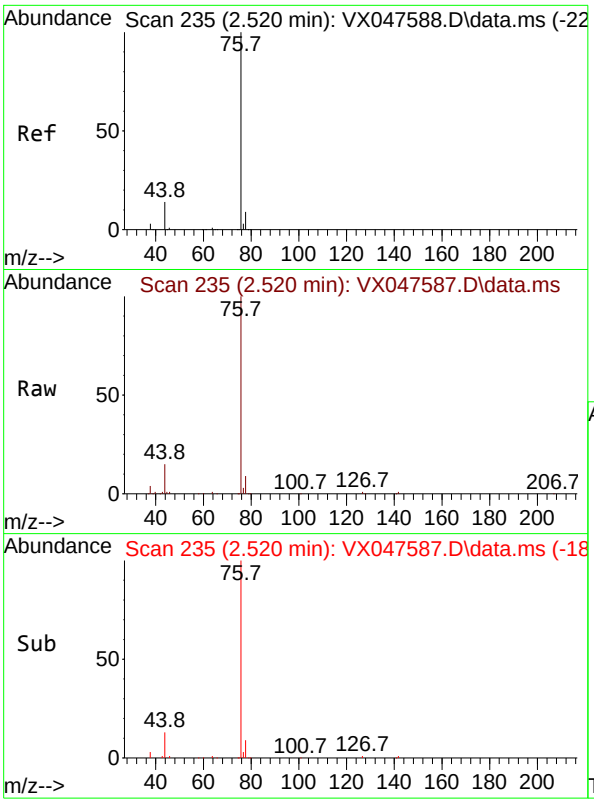


#16
Acetone
Concen: 115.507 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 43 Resp: 151538

Ion	Ratio	Lower	Upper
43	100		
58	29.3	23.4	35.0

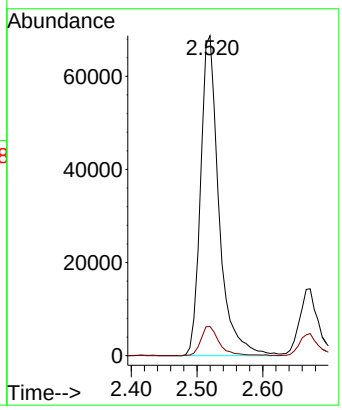




#17
Carbon Disulfide
Concen: 21.620 ug/l
RT: 2.520 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 76 Resp: 13329

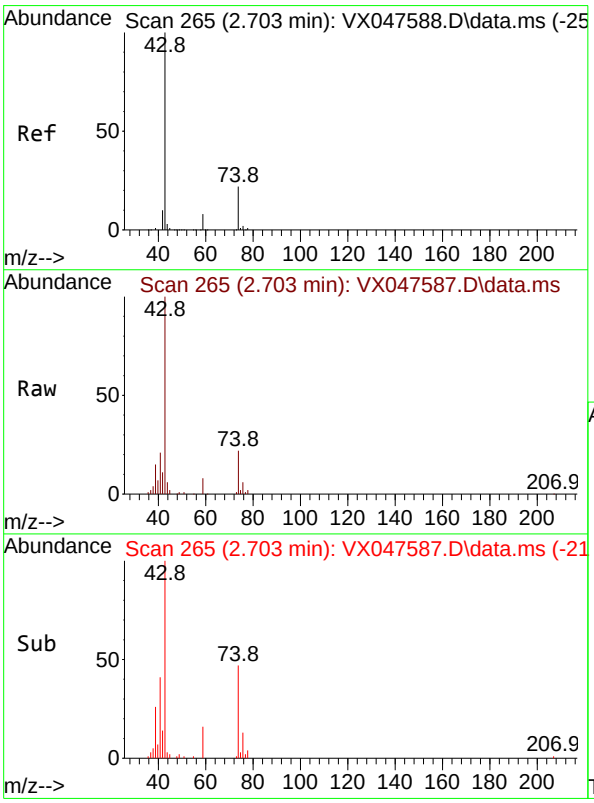
Ion	Ratio	Lower	Upper
76	100		
78	9.1	6.8	10.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

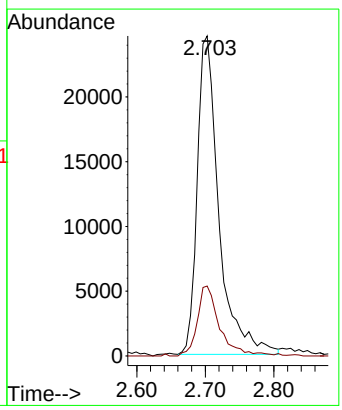
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

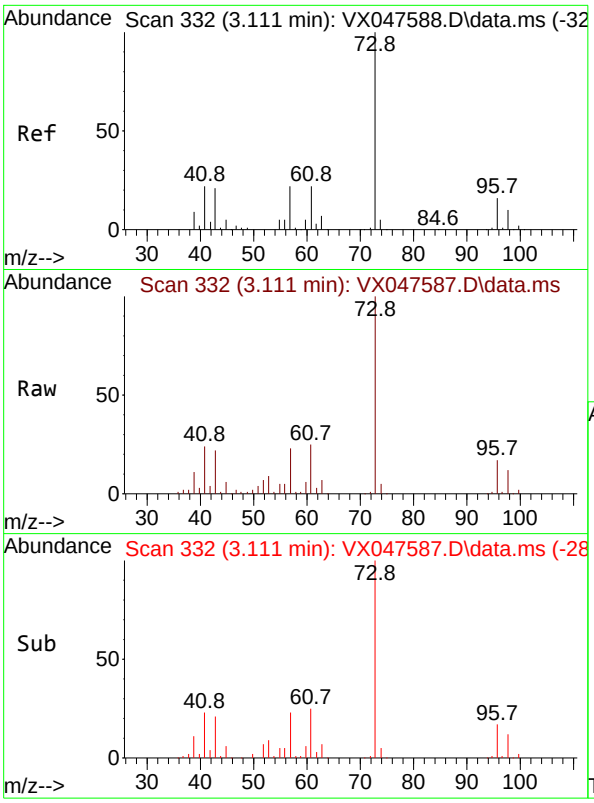


#18
Methyl Acetate
Concen: 18.536 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 43 Resp: 54120

Ion	Ratio	Lower	Upper
43	100		
74	22.7	17.4	26.2

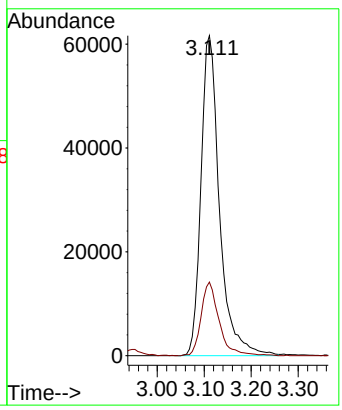




#19
Methyl tert-butyl Ether
Concen: 20.486 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 73 Resp: 16842

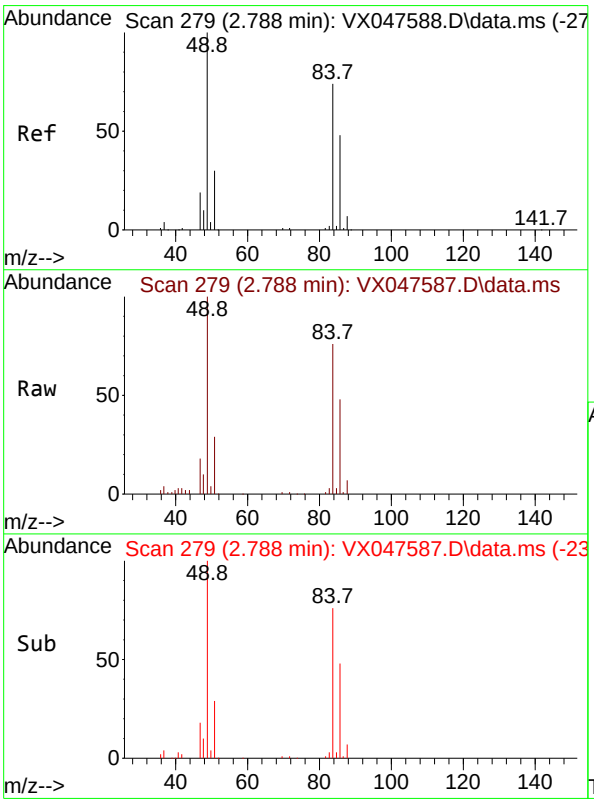
Ion	Ratio	Lower	Upper
73	100		
57	23.0	17.4	26.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

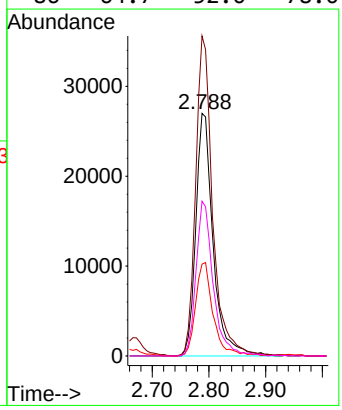
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

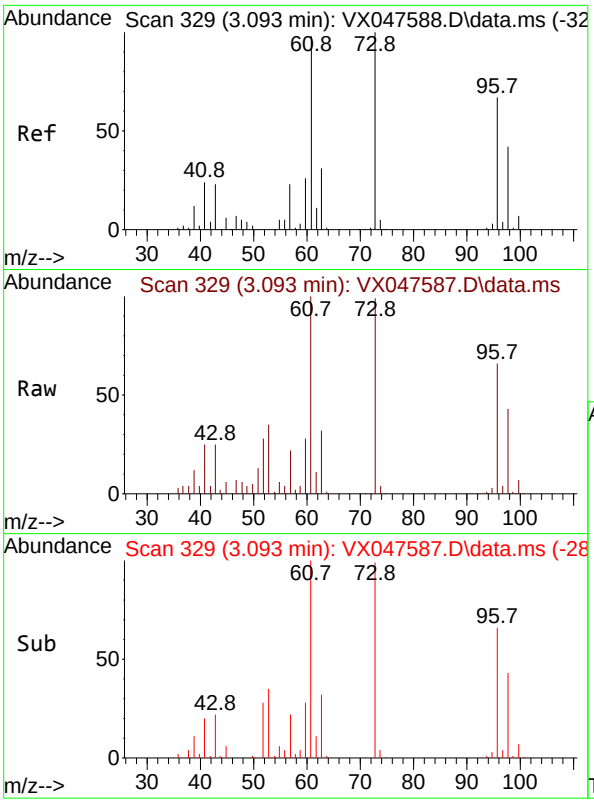


#20
Methylene Chloride
Concen: 20.581 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 84 Resp: 57153

Ion	Ratio	Lower	Upper
84	100		
49	131.7	108.6	162.8
51	37.9	32.6	48.8
86	64.7	52.0	78.0

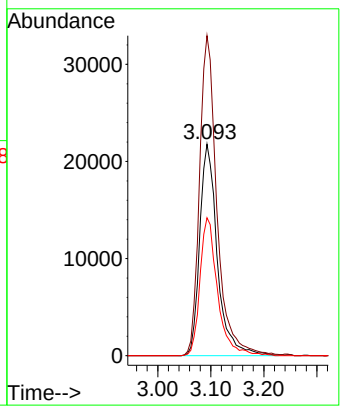




#21
trans-1,2-Dichloroethene
Concen: 20.791 ug/l
RT: 3.093 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 96 Resp: 5041

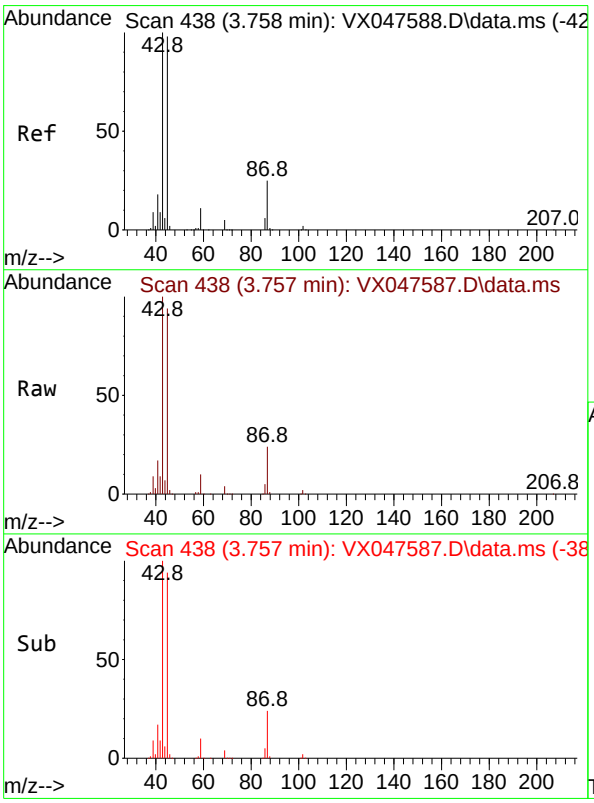
Ion	Ratio	Lower	Upper
96	100		
61	151.3	116.2	174.2
98	67.2	49.3	73.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

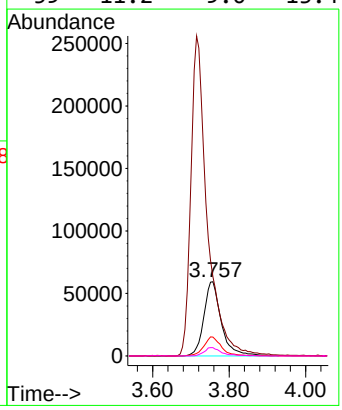
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

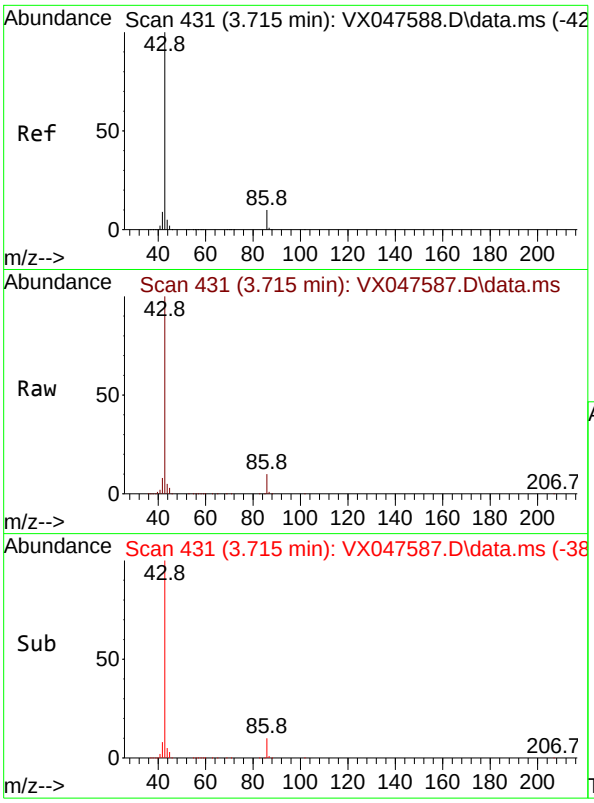


#22
Diisopropyl ether
Concen: 20.940 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 45 Resp: 188598

Ion	Ratio	Lower	Upper
45	100		
43	106.1	81.0	121.4
87	25.5	20.3	30.5
59	11.2	9.0	13.4





#23
Vinyl Acetate
Concen: 106.218 ug/l
RT: 3.715 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

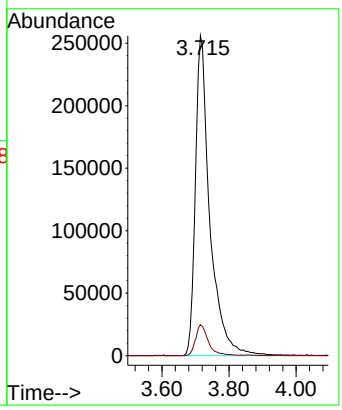
Tgt Ion: 43 Resp: 76567

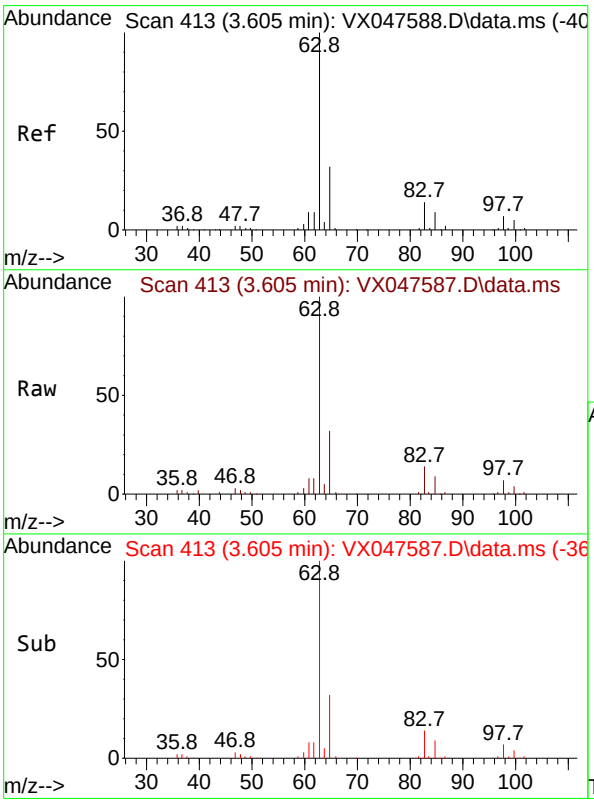
Ion	Ratio	Lower	Upper
43	100		
86	9.6	7.8	11.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

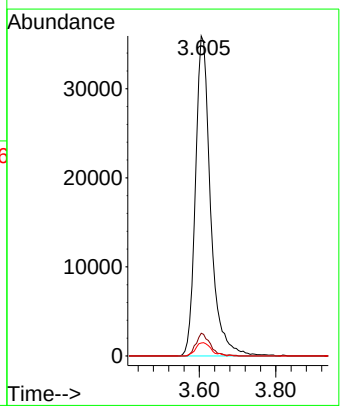


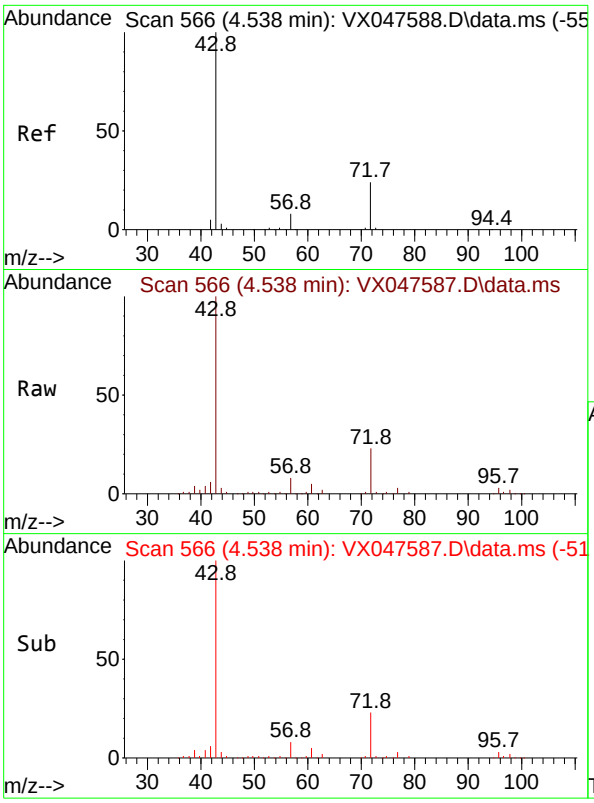


#24
1,1-Dichloroethane
Concen: 20.578 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 63 Resp: 98509

Ion	Ratio	Lower	Upper
63	100		
98	7.1	3.8	11.2
100	4.1	2.3	6.9

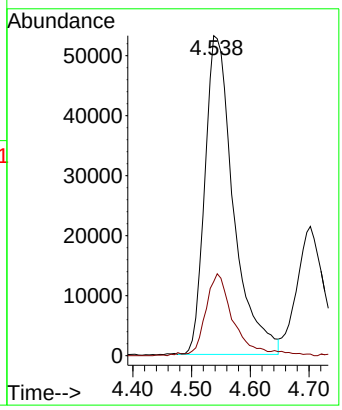




#25
2-Butanone
Concen: 109.679 ug/l
RT: 4.538 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 43 Resp: 17948

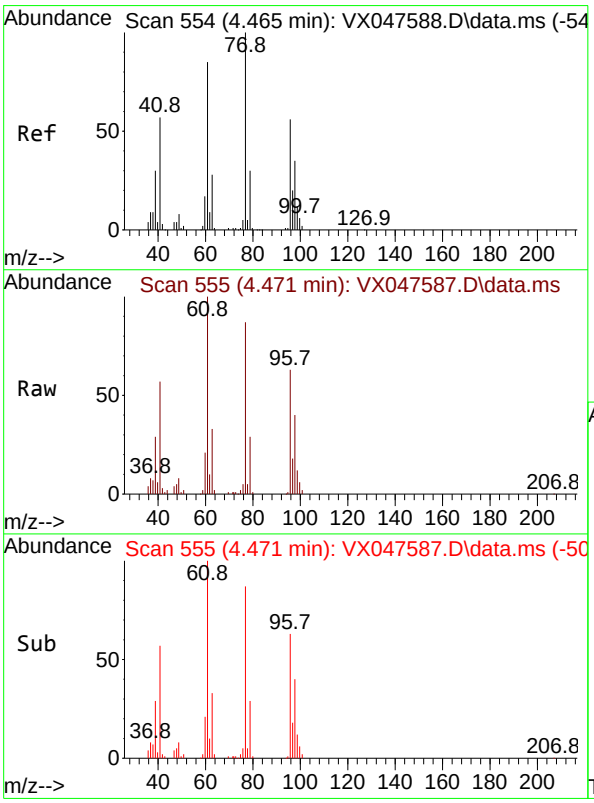
Ion	Ratio	Lower	Upper
43	100		
72	22.3	20.1	30.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

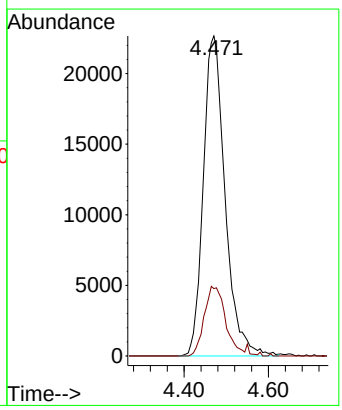
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

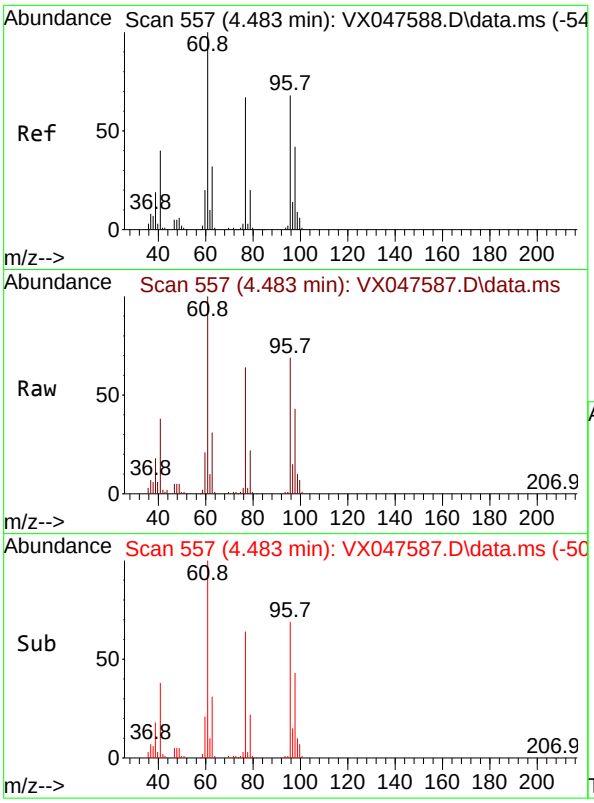


#26
2,2-Dichloropropane
Concen: 20.459 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 77 Resp: 81413

Ion	Ratio	Lower	Upper
77	100		
97	21.2	10.9	32.7

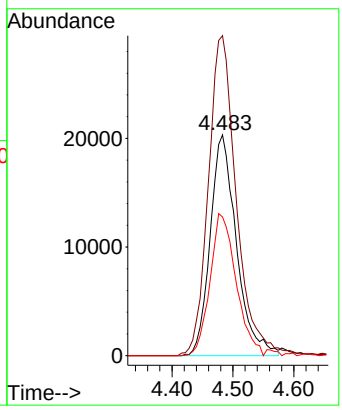




#27
cis-1,2-Dichloroethene
Concen: 20.497 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 96 Resp: 6086

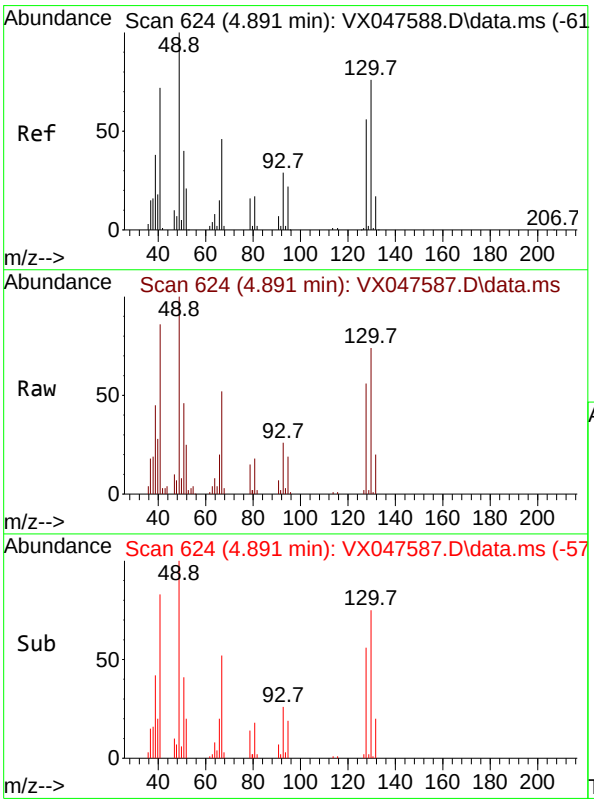
Ion	Ratio	Lower	Upper
96	100		
61	154.8	0.0	303.2
98	63.7	0.0	127.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

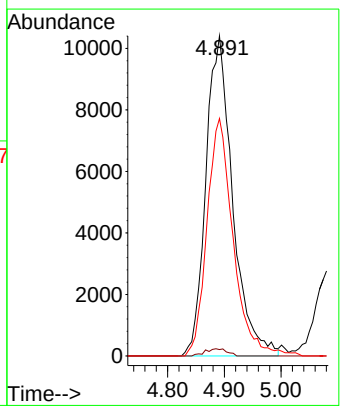
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

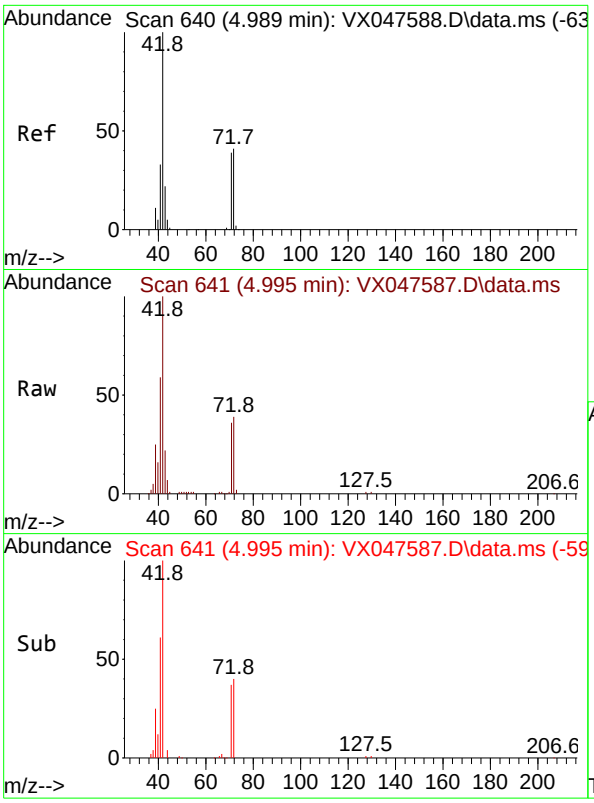


#28
Bromochloromethane
Concen: 16.309 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 49 Resp: 34085

Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.2
130	72.7	57.8	86.8

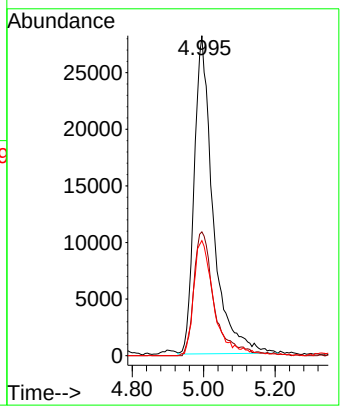




#29
Tetrahydrofuran
Concen: 104.560 ug/l
RT: 4.995 min Scan# 64
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 42 Resp: 10293

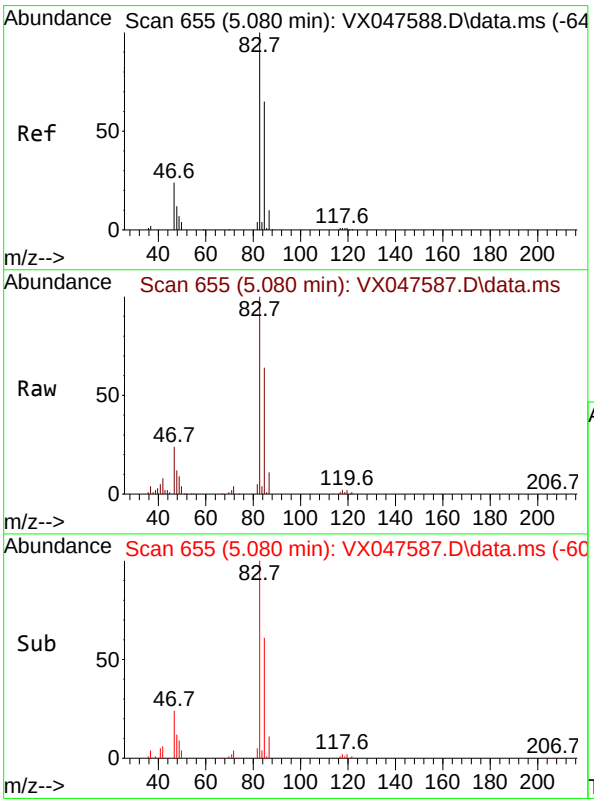
Ion	Ratio	Lower	Upper
42	100		
72	41.5	34.2	51.2
71	37.8	31.9	47.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

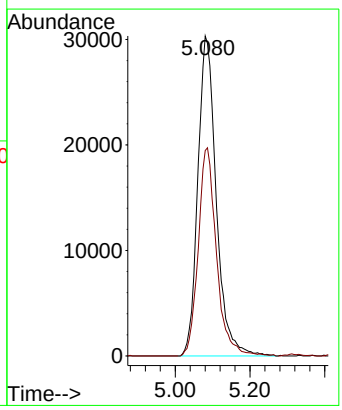
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

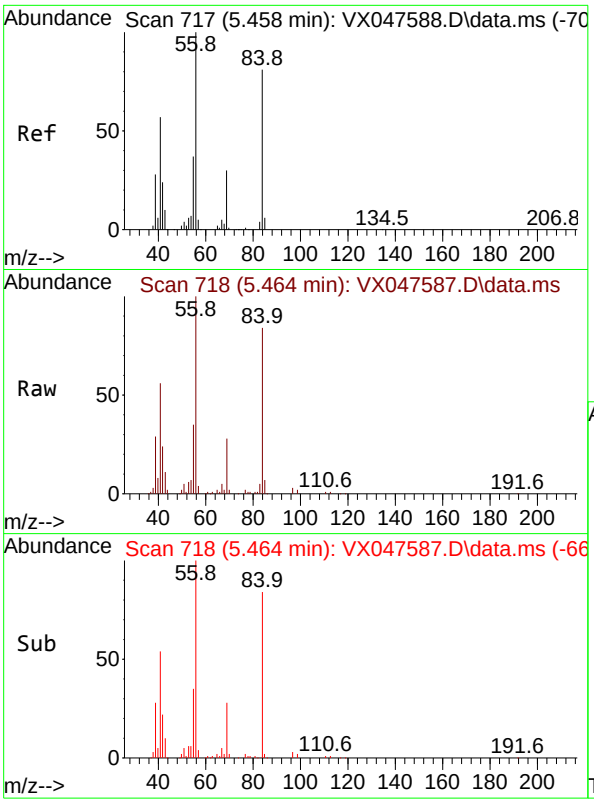


#30
Chloroform
Concen: 21.413 ug/l
RT: 5.080 min Scan# 655
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 83 Resp: 103586

Ion	Ratio	Lower	Upper
83	100		
85	64.2	51.8	77.6





#31
Cyclohexane
Concen: 20.759 ug/l
RT: 5.464 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

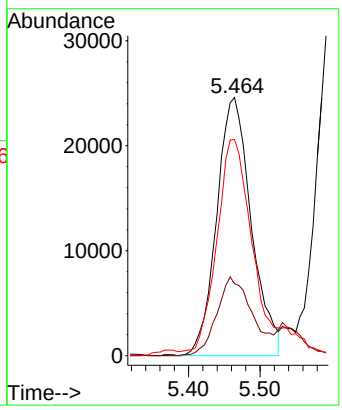
Tgt Ion: 56 Resp: 8277

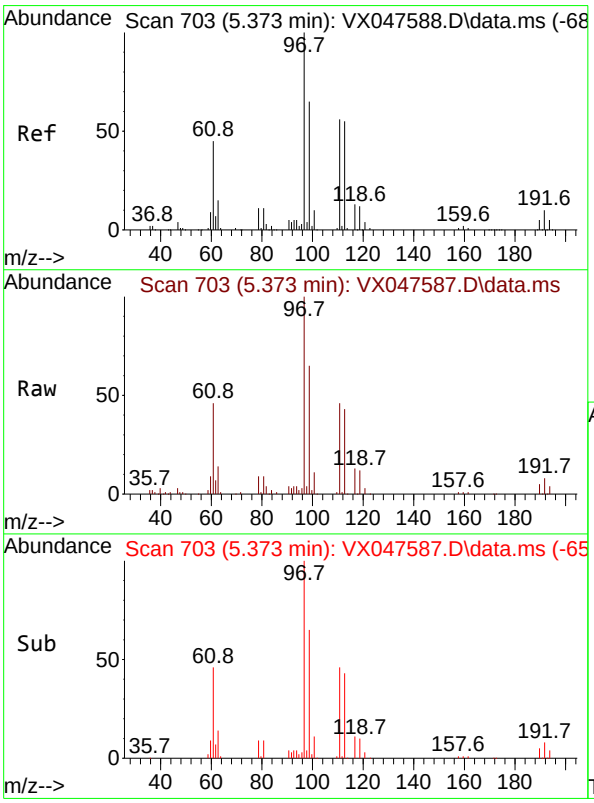
Ion	Ratio	Lower	Upper
56	100		
69	27.9	23.8	35.8
84	82.2	64.6	97.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

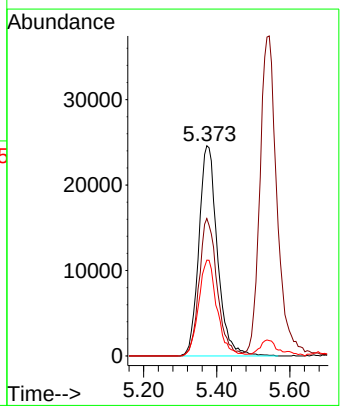


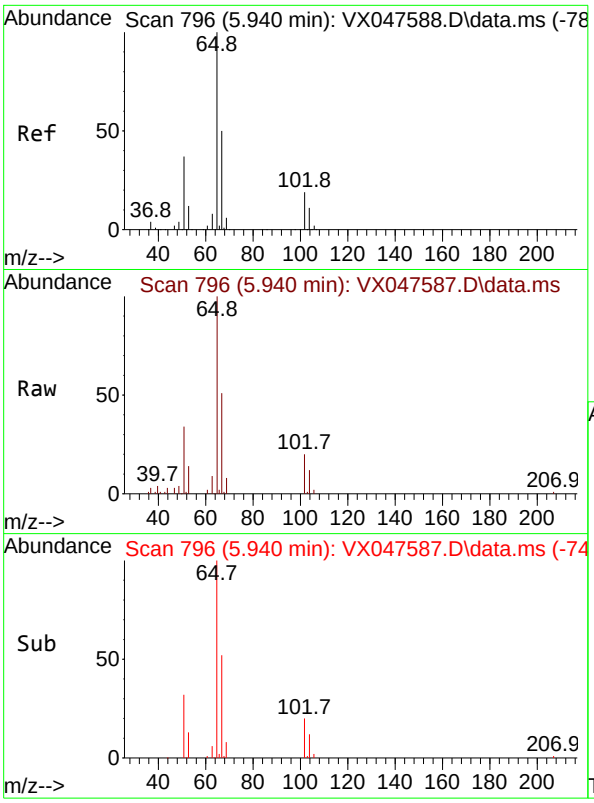


#32
1,1,1-Trichloroethane
Concen: 21.081 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 97 Resp: 86500

Ion	Ratio	Lower	Upper
97	100		
99	63.5	50.6	76.0
61	45.5	35.8	53.8





#33
1,2-Dichloroethane-d4
Concen: 16.264 ug/l
RT: 5.940 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

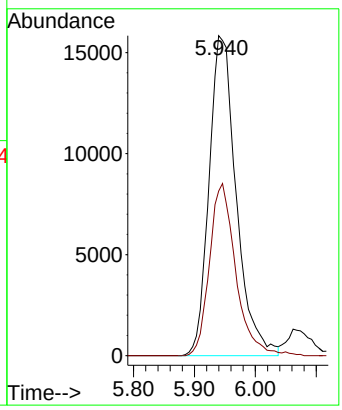
Tgt Ion: 65 Resp: 4907

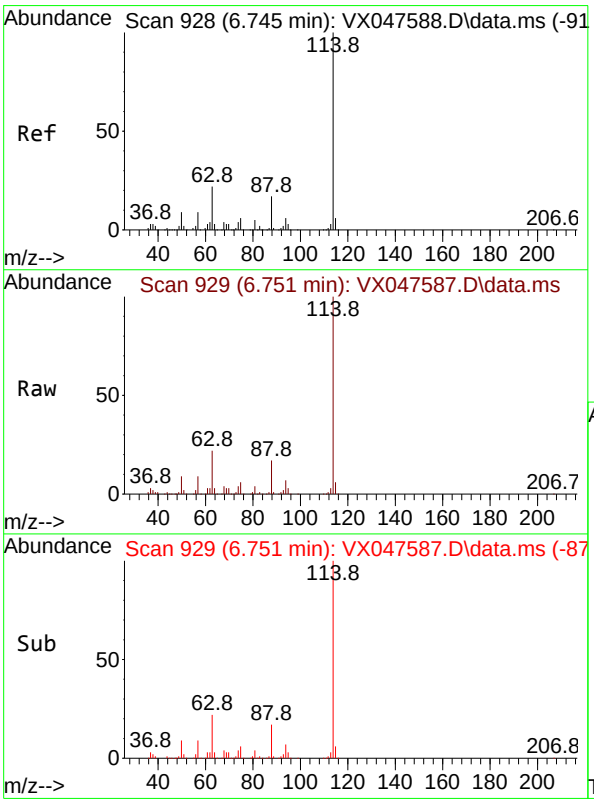
Ion	Ratio	Lower	Upper
65	100		
67	52.2	0.0	103.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

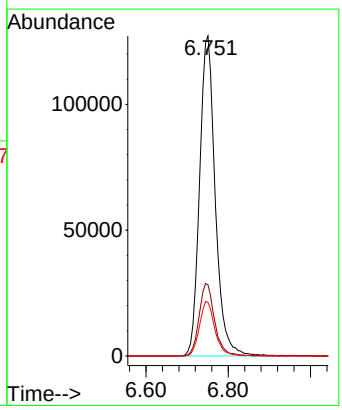


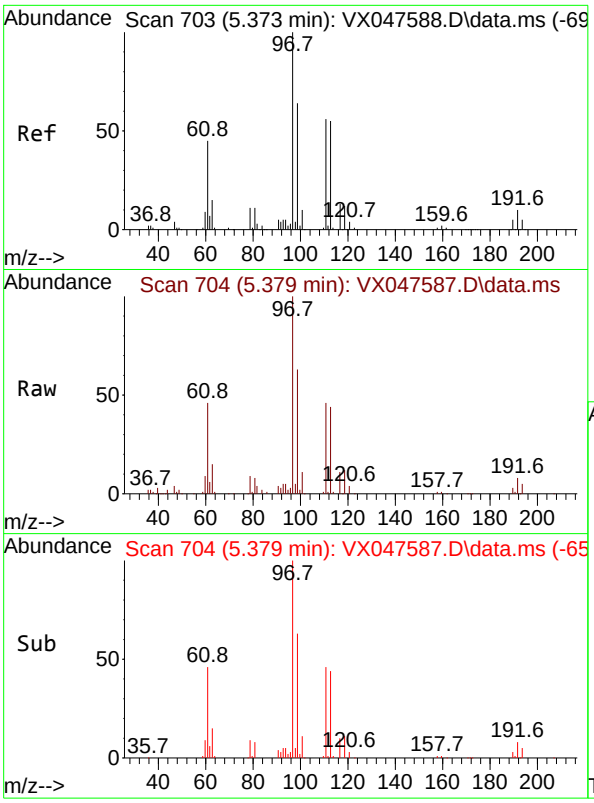


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 929
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:114 Resp: 336287

Ion	Ratio	Lower	Upper
114	100		
63	22.3	0.0	44.0
88	16.8	0.0	34.2

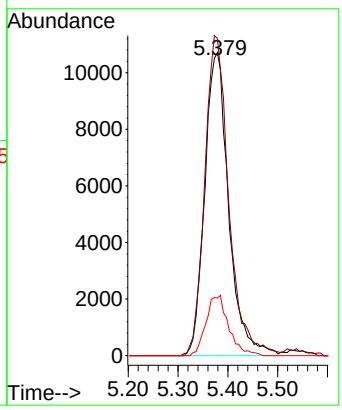




#35
Dibromofluoromethane
Concen: 15.868 ug/l
RT: 5.379 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:113 Resp: 3578

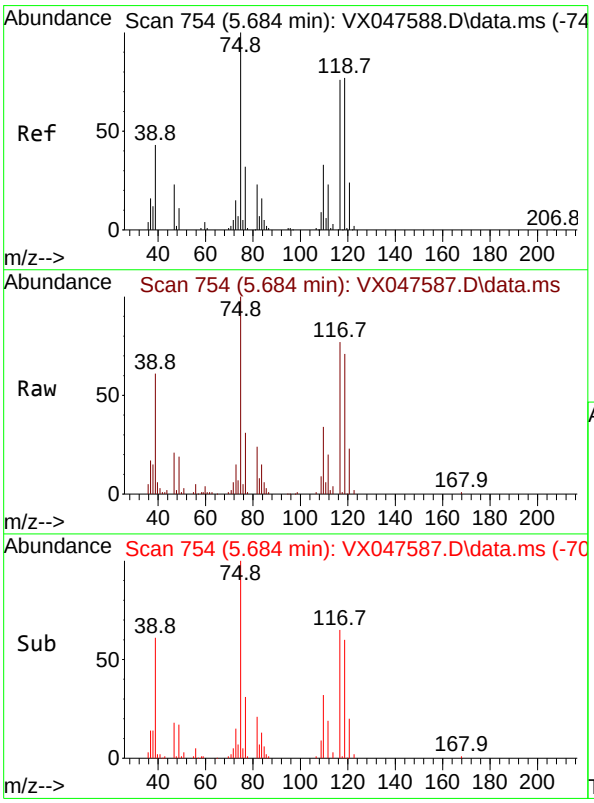
Ion	Ratio	Lower	Upper
113	100		
111	105.7	80.9	121.3
192	18.8	14.2	21.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

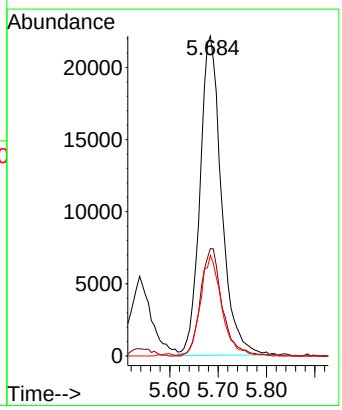
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

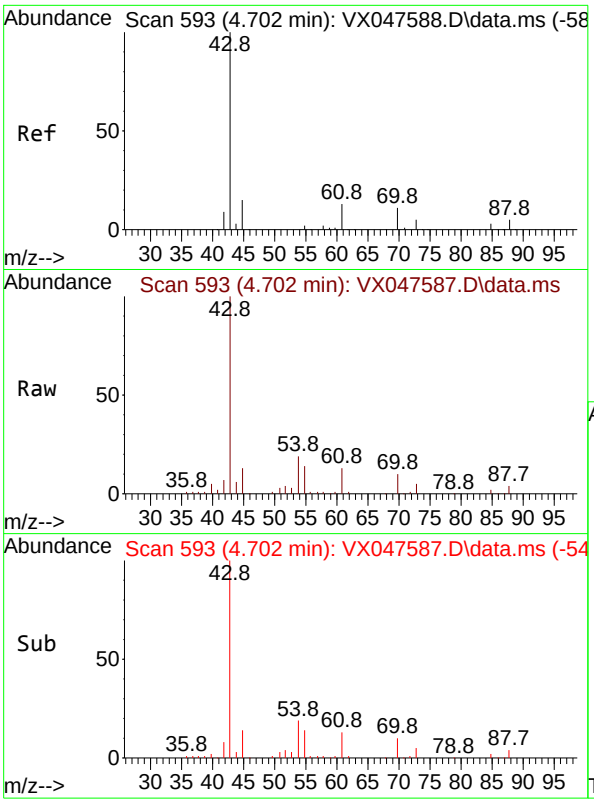


#36
1,1-Dichloropropene
Concen: 20.754 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 75 Resp: 68395

Ion	Ratio	Lower	Upper
75	100		
110	33.9	16.7	50.1
77	31.2	24.3	36.5

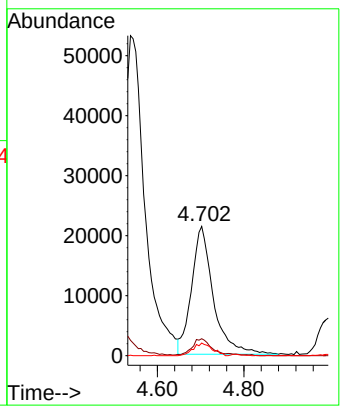




#37
Ethyl Acetate
Concen: 21.113 ug/l
RT: 4.702 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 43 Resp: 7449

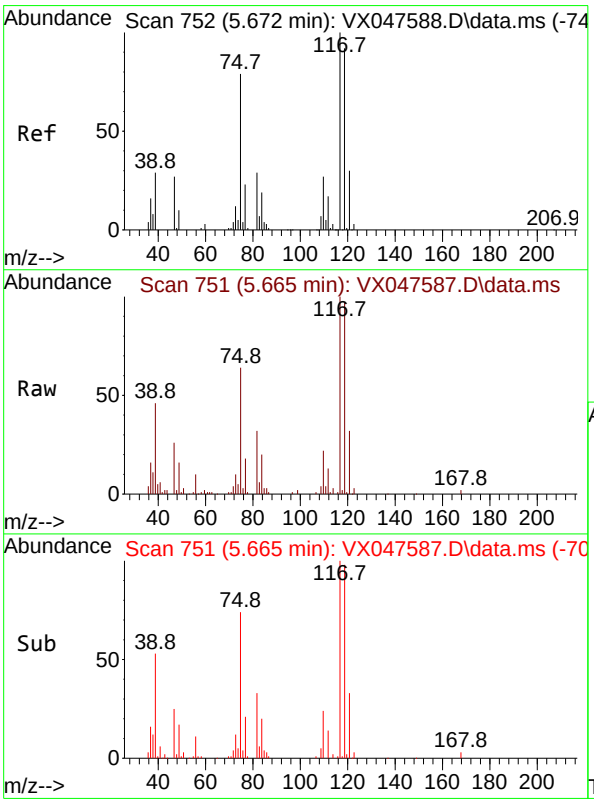
Ion	Ratio	Lower	Upper
43	100		
61	10.8	9.8	14.8
70	8.5	7.9	11.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

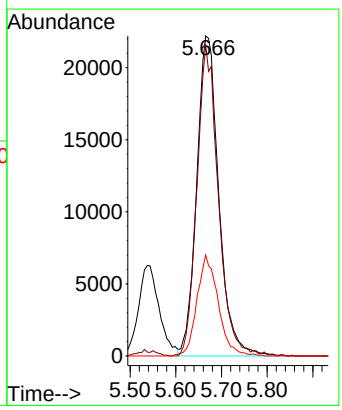
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

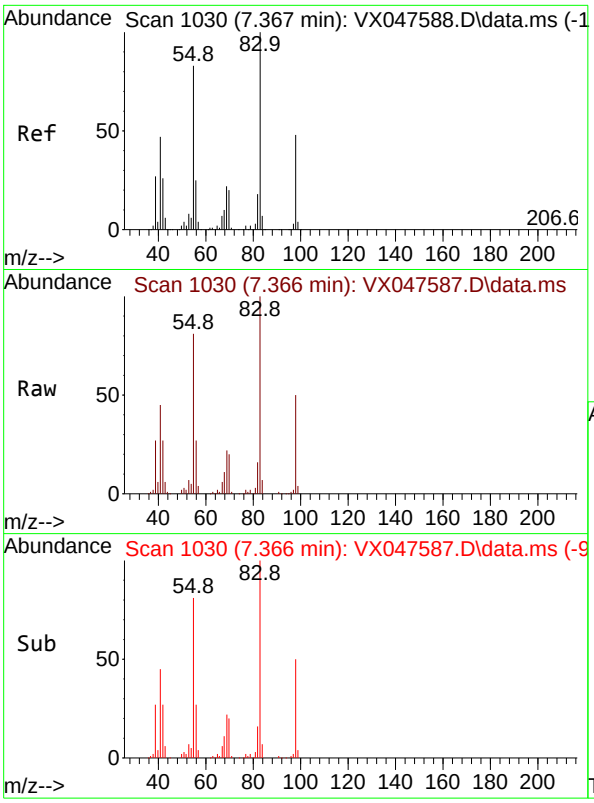


#38
Carbon Tetrachloride
Concen: 20.844 ug/l
RT: 5.665 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:117 Resp: 74636

Ion	Ratio	Lower	Upper
117	100		
119	96.9	73.4	110.2
121	31.6	23.8	35.6

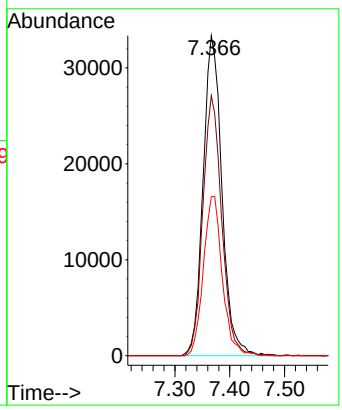




#39
Methylcyclohexane
Concen: 21.251 ug/l
RT: 7.366 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 83 Resp: 7949

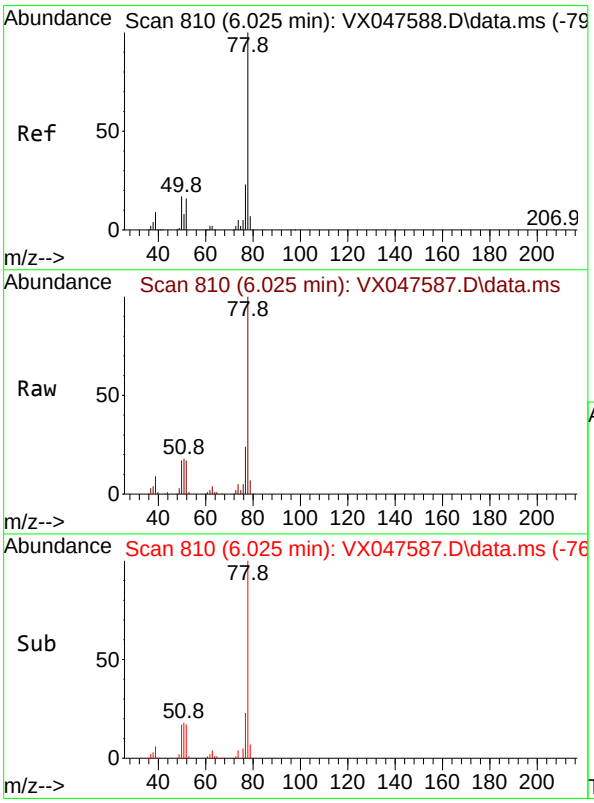
Ion	Ratio	Lower	Upper
83	100		
55	81.2	66.4	99.6
98	49.6	38.1	57.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

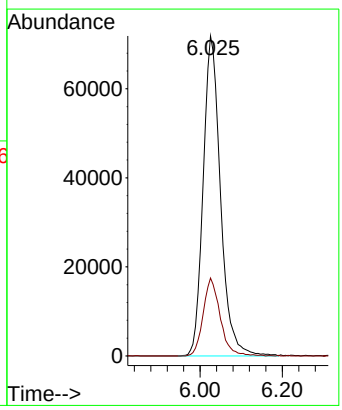
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

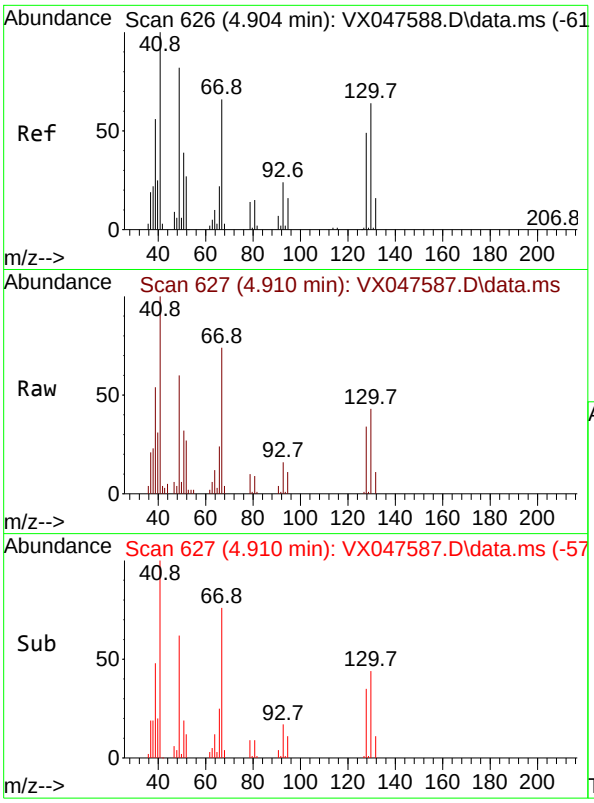


#40
Benzene
Concen: 21.051 ug/l
RT: 6.025 min Scan# 810
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 78 Resp: 210711

Ion	Ratio	Lower	Upper
78	100		
77	24.4	18.8	28.2

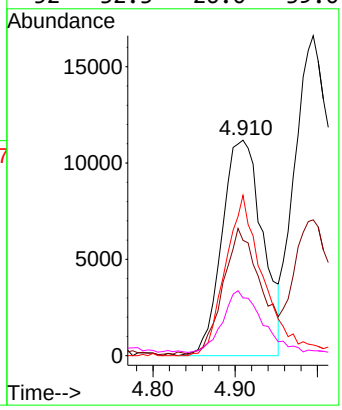




#41
Methacrylonitrile
Concen: 21.148 ug/l
RT: 4.910 min Scan# 6
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 41 Resp: 3852

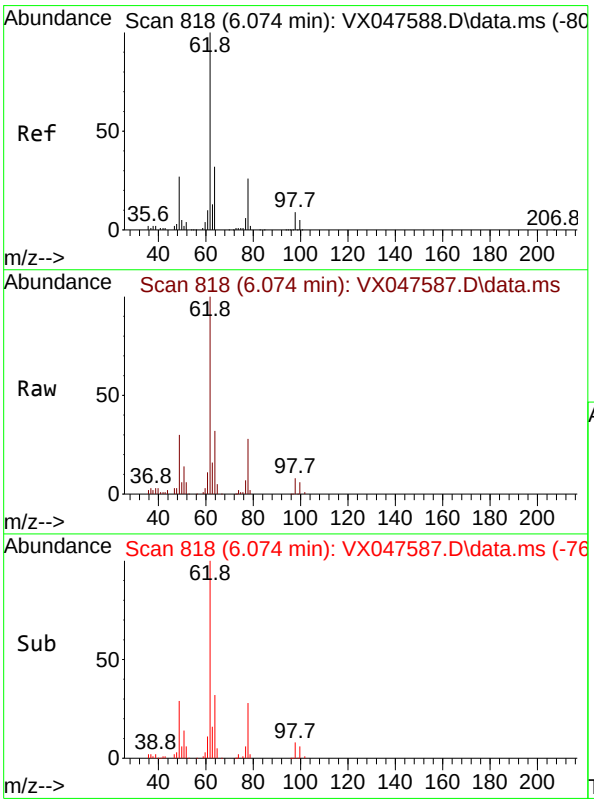
Ion	Ratio	Lower	Upper
41	100		
39	53.8	43.3	64.9
67	72.5	58.6	87.8
52	32.3	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

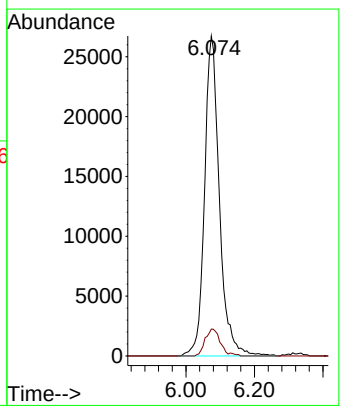
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

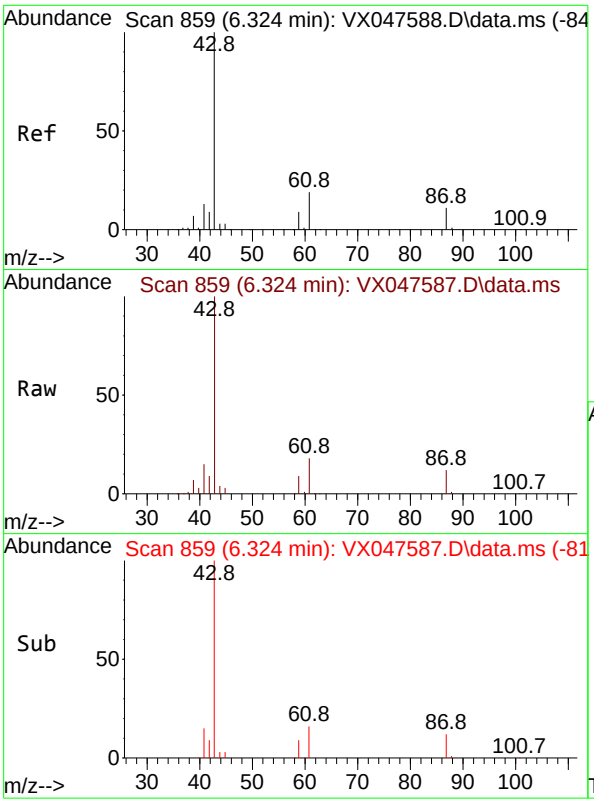


#42
1,2-Dichloroethane
Concen: 21.175 ug/l
RT: 6.074 min Scan# 818
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 62 Resp: 80646

Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	17.0

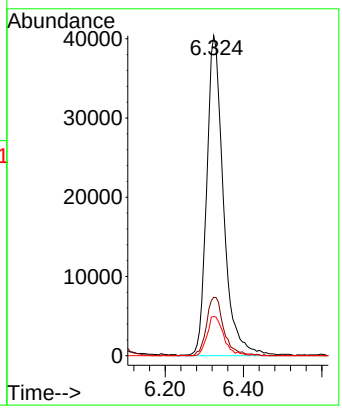




#43
Isopropyl Acetate
Concen: 20.670 ug/l
RT: 6.324 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 43 Resp: 11962

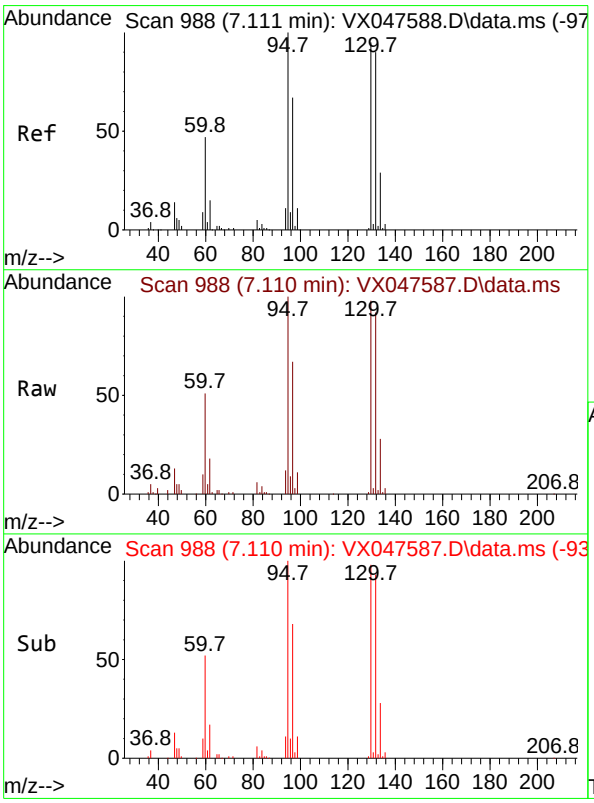
Ion	Ratio	Lower	Upper
43	100		
61	18.9	15.2	22.8
87	12.1	9.6	14.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

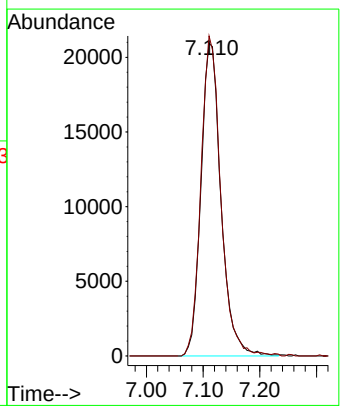
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

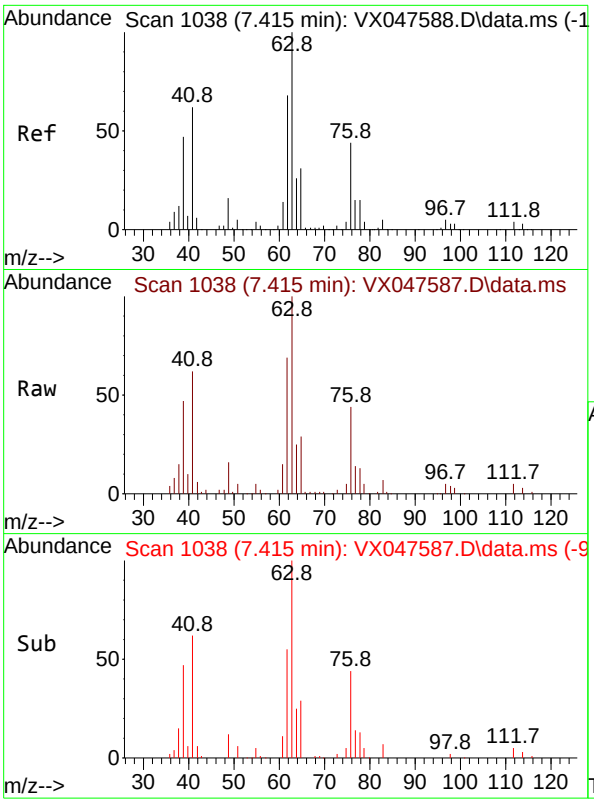


#44
Trichloroethene
Concen: 21.228 ug/l
RT: 7.110 min Scan# 988
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:130 Resp: 51369

Ion	Ratio	Lower	Upper
130	100		
95	102.3	0.0	210.8





#45
1,2-Dichloropropane
Concen: 20.697 ug/l
RT: 7.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

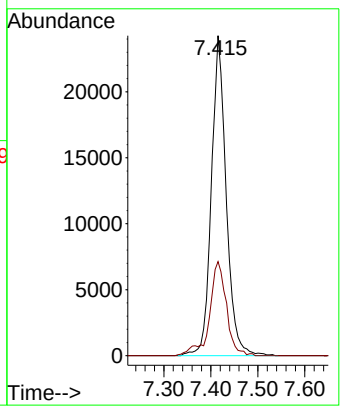
Tgt Ion: 63 Resp: 5304

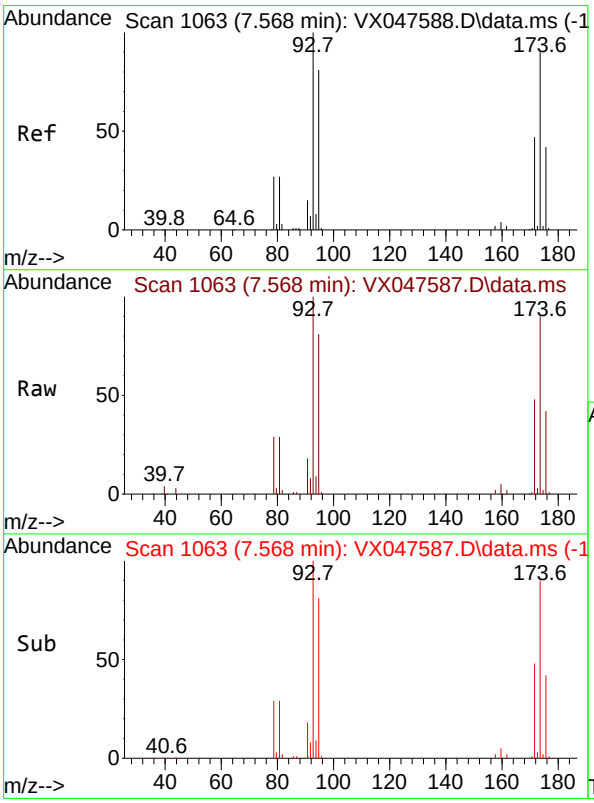
Ion	Ratio	Lower	Upper
63	100		
65	29.4	24.7	37.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

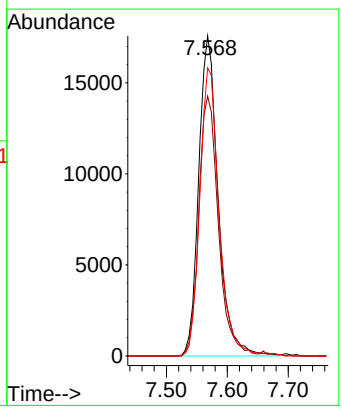


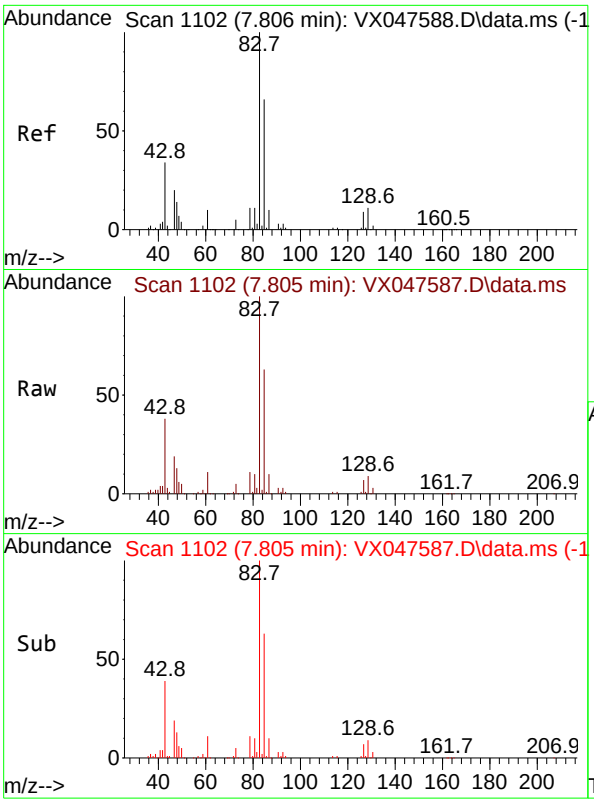


#46
Dibromomethane
Concen: 20.862 ug/l
RT: 7.568 min Scan# 1063
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 93 Resp: 38910

Ion	Ratio	Lower	Upper
93	100		
95	82.0	65.0	97.6
174	89.2	71.6	107.4

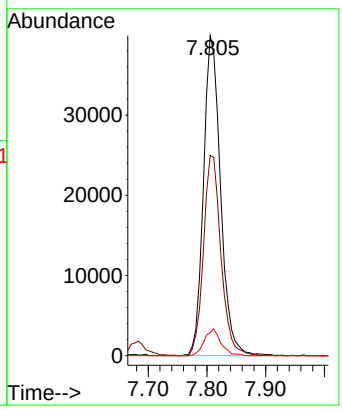




#47
Bromodichloromethane
Concen: 21.002 ug/l
RT: 7.805 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 83 Resp: 8083

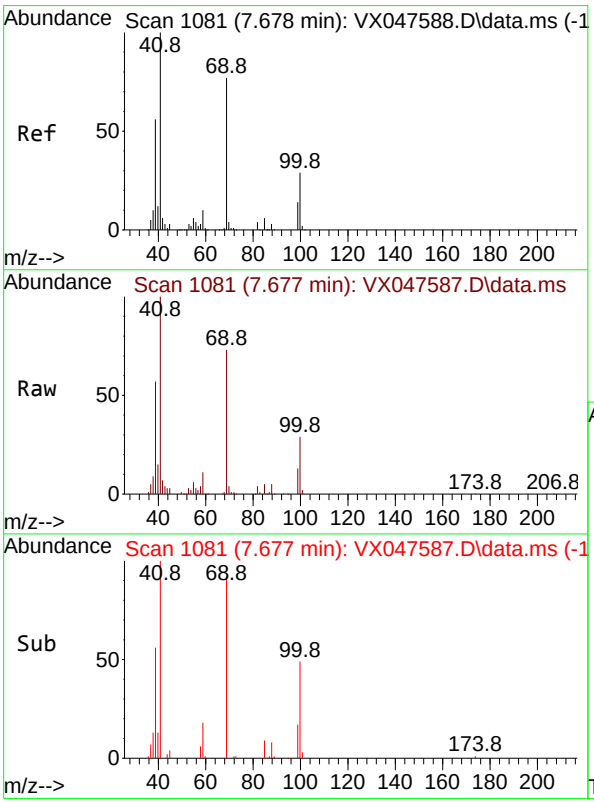
Ion	Ratio	Lower	Upper
83	100		
85	63.5	52.5	78.7
127	8.2	6.9	10.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

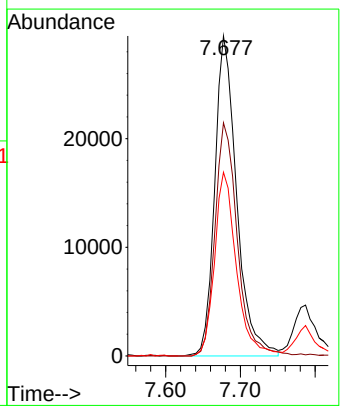
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

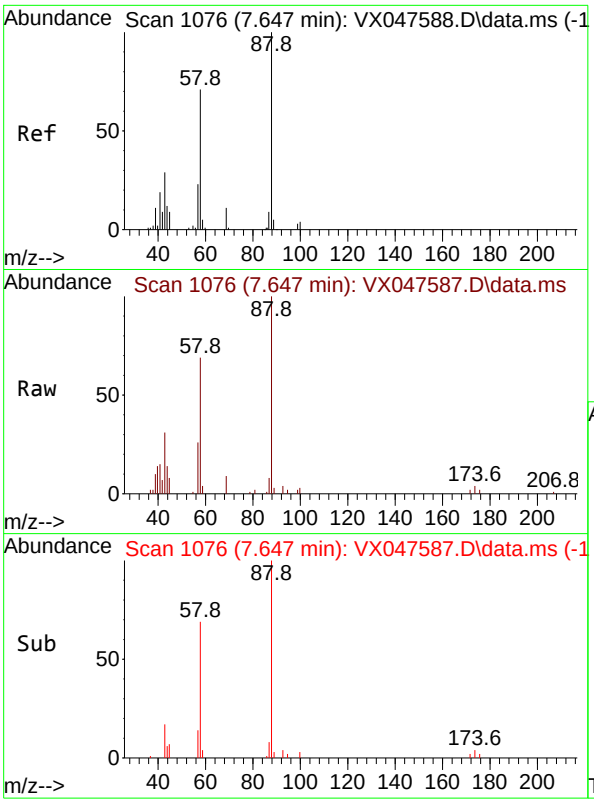


#48
Methyl methacrylate
Concen: 20.877 ug/l
RT: 7.677 min Scan# 1081
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 41 Resp: 60182

Ion	Ratio	Lower	Upper
41	100		
69	74.2	61.4	92.2
39	57.2	45.8	68.6

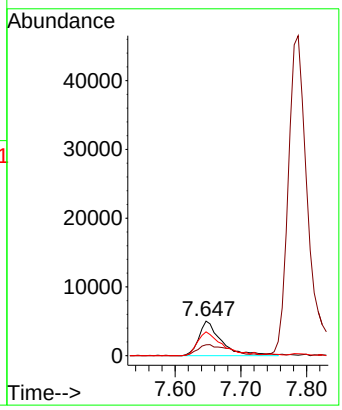




#49
1,4-Dioxane
Concen: 413.530 ug/l
RT: 7.647 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 88 Resp: 1204

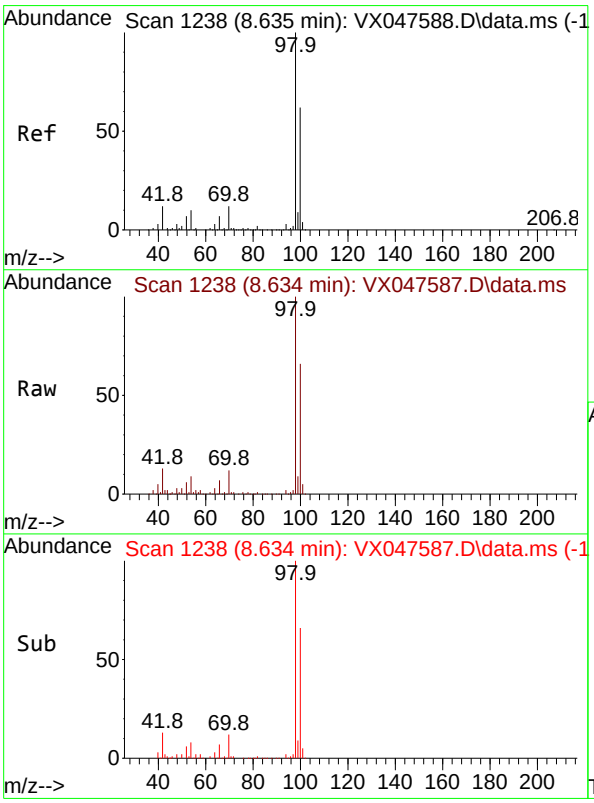
Ion	Ratio	Lower	Upper
88	100		
43	44.7	30.2	45.2
58	75.8	59.5	89.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

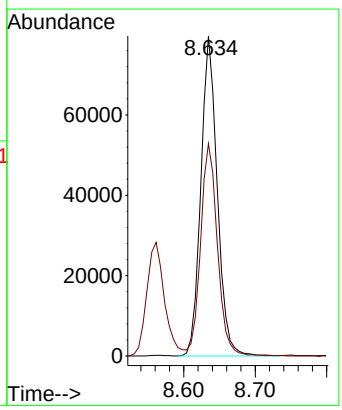
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

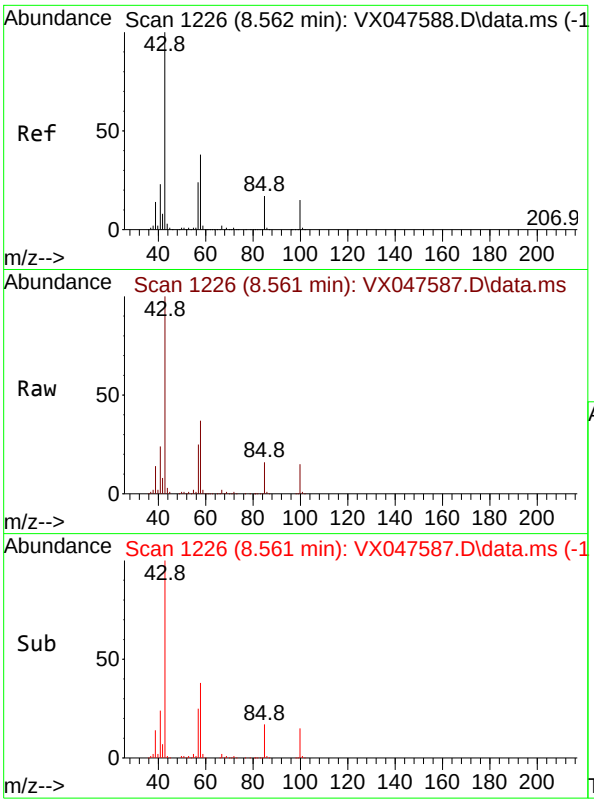


#50
Toluene-d8
Concen: 16.258 ug/l
RT: 8.634 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 98 Resp: 126875

Ion	Ratio	Lower	Upper
98	100		
100	67.9	53.0	79.4

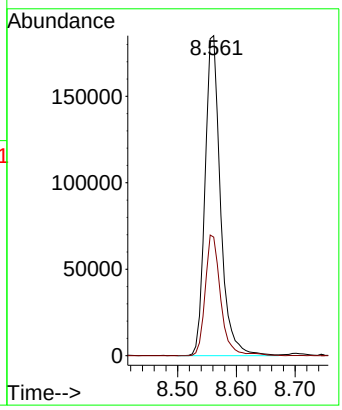




#51
4-Methyl-2-Pentanone
Concen: 105.456 ug/l
RT: 8.561 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 43 Resp: 33837

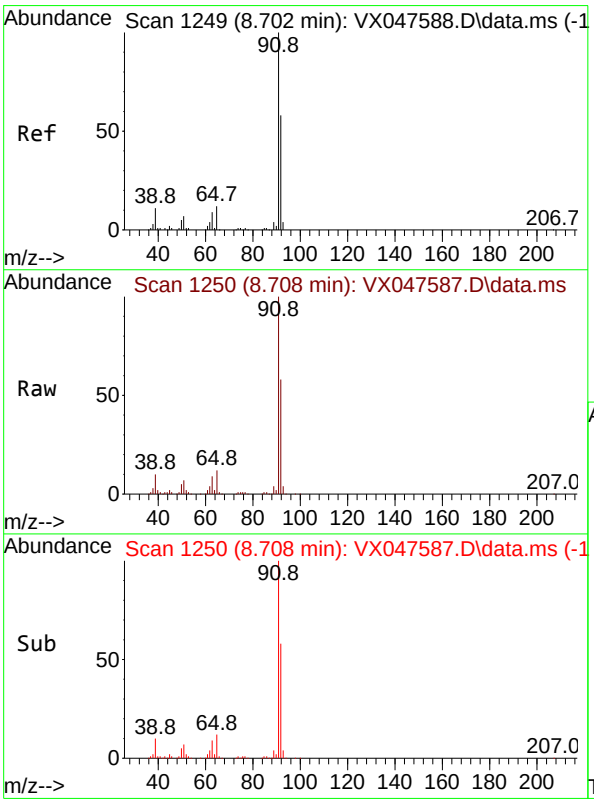
Ion	Ratio	Lower	Upper
43	100		
58	37.8	30.3	45.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

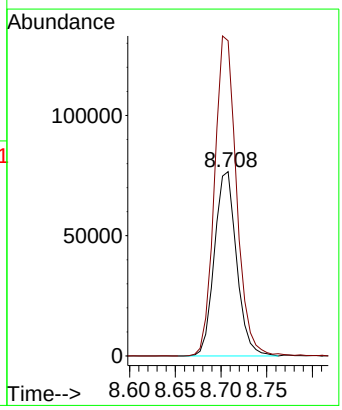
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

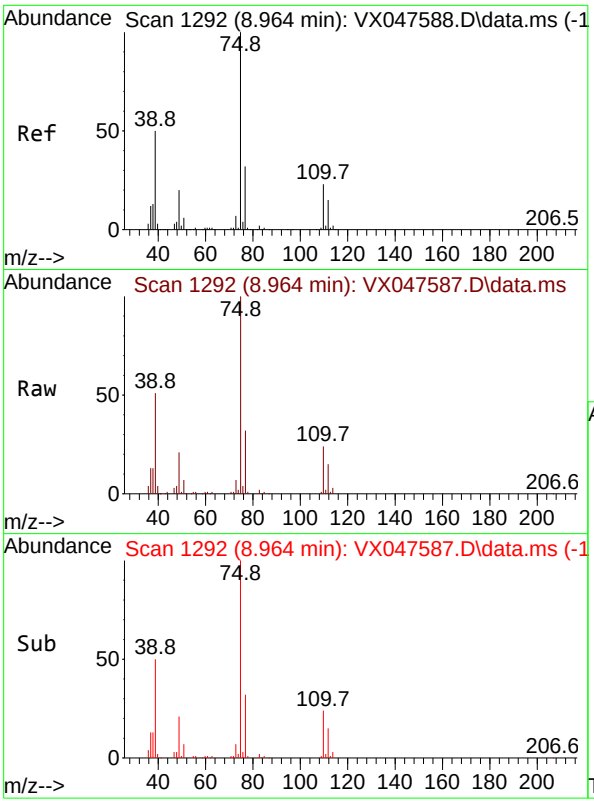


#52
Toluene
Concen: 20.950 ug/l
RT: 8.708 min Scan# 1250
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 92 Resp: 129193

Ion	Ratio	Lower	Upper
92	100		
91	173.2	137.1	205.7

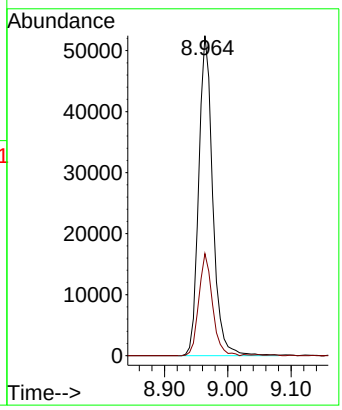




#53
t-1,3-Dichloropropene
Concen: 20.625 ug/l
RT: 8.964 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 75 Resp: 8097

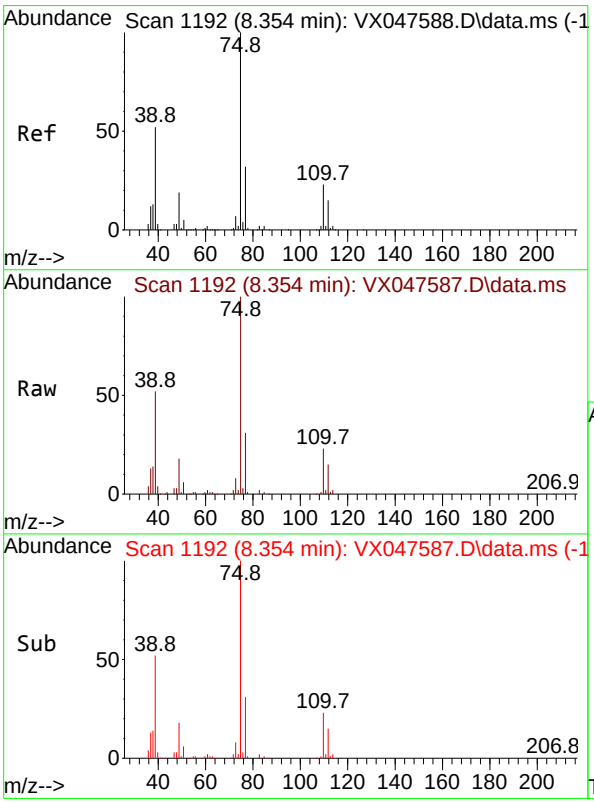
Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.4	38.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

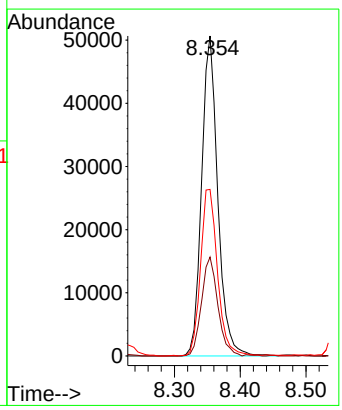
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

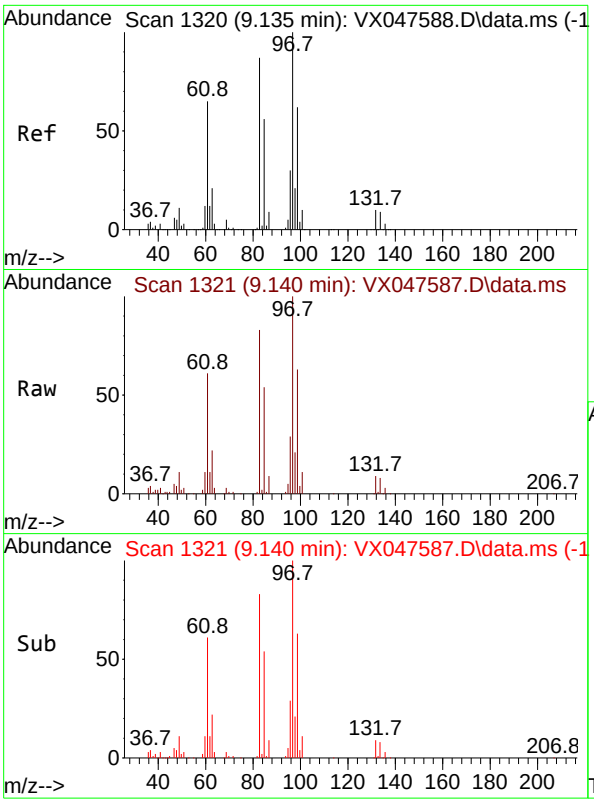


#54
cis-1,3-Dichloropropene
Concen: 20.650 ug/l
RT: 8.354 min Scan# 1192
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 75 Resp: 86648

Ion	Ratio	Lower	Upper
75	100		
77	30.9	25.8	38.6
39	52.0	41.4	62.2

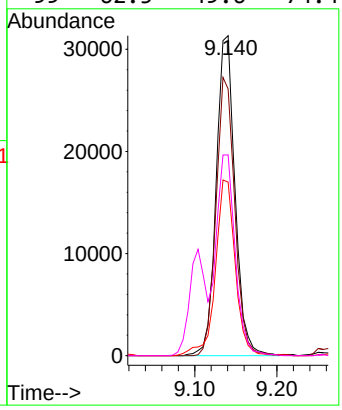




#55
1,1,2-Trichloroethane
Concen: 20.967 ug/l
RT: 9.140 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 97 Resp: 4985

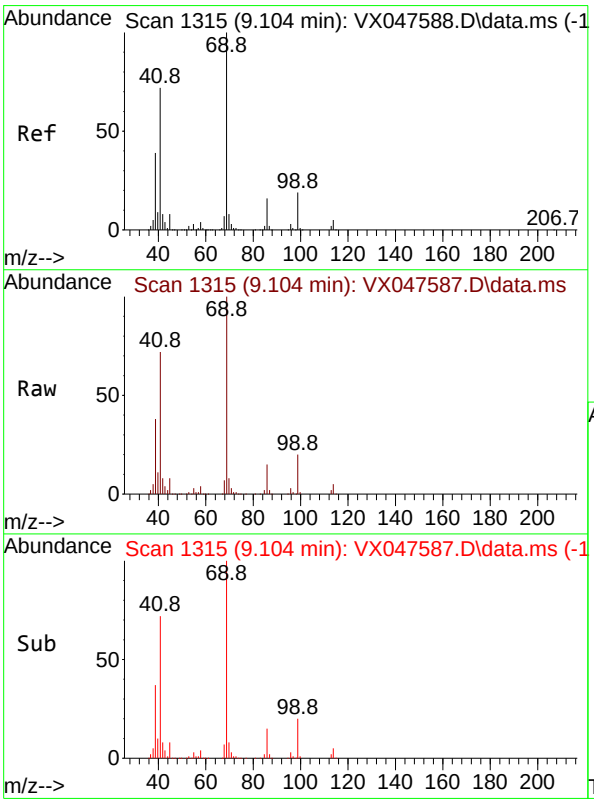
Ion	Ratio	Lower	Upper
97	100		
83	83.3	69.6	104.4
85	55.2	45.0	67.6
99	62.5	49.6	74.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

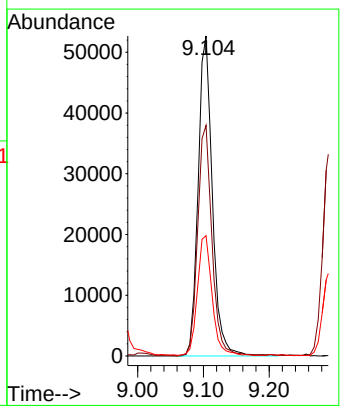
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

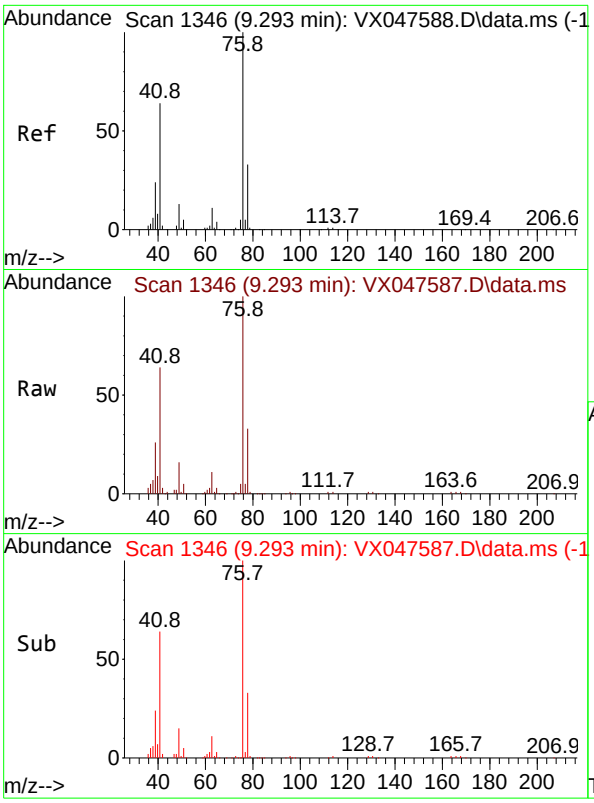


#56
Ethyl methacrylate
Concen: 21.158 ug/l
RT: 9.104 min Scan# 1315
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 69 Resp: 79011

Ion	Ratio	Lower	Upper
69	100		
41	72.6	58.6	87.8
39	38.6	31.5	47.3

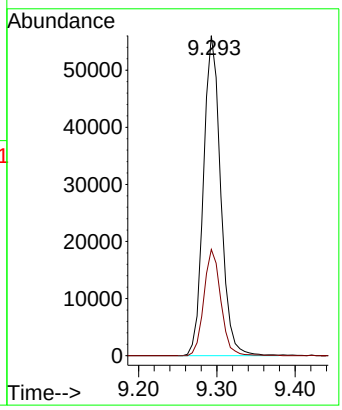




#57
1,3-Dichloropropane
Concen: 20.934 ug/l
RT: 9.293 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 76 Resp: 8551

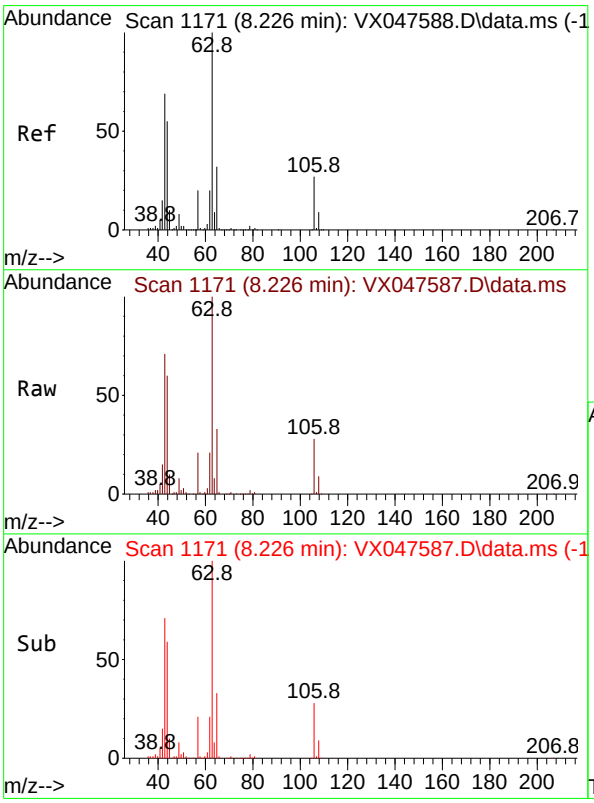
Ion	Ratio	Lower	Upper
76	100		
78	32.6	26.2	39.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

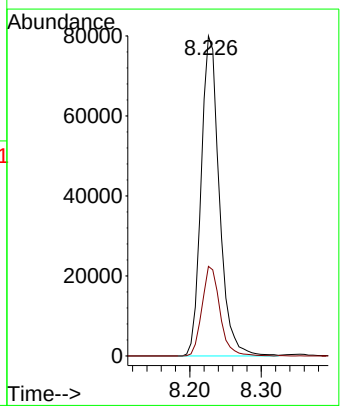
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

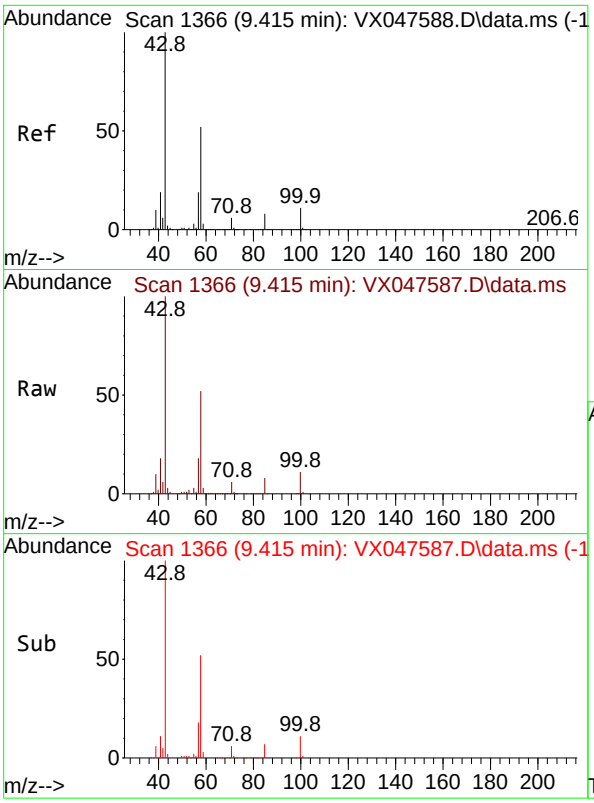


#58
2-Chloroethyl Vinyl ether
Concen: 86.617 ug/l
RT: 8.226 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 63 Resp: 141395

Ion	Ratio	Lower	Upper
63	100		
106	27.5	21.9	32.9

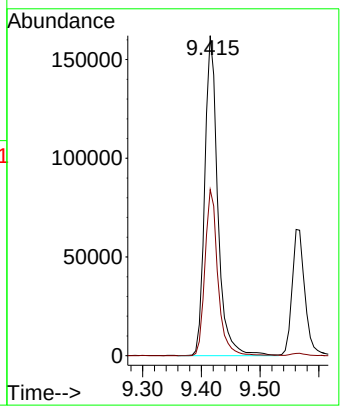




#59
2-Hexanone
Concen: 108.488 ug/l
RT: 9.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 43 Resp: 25000

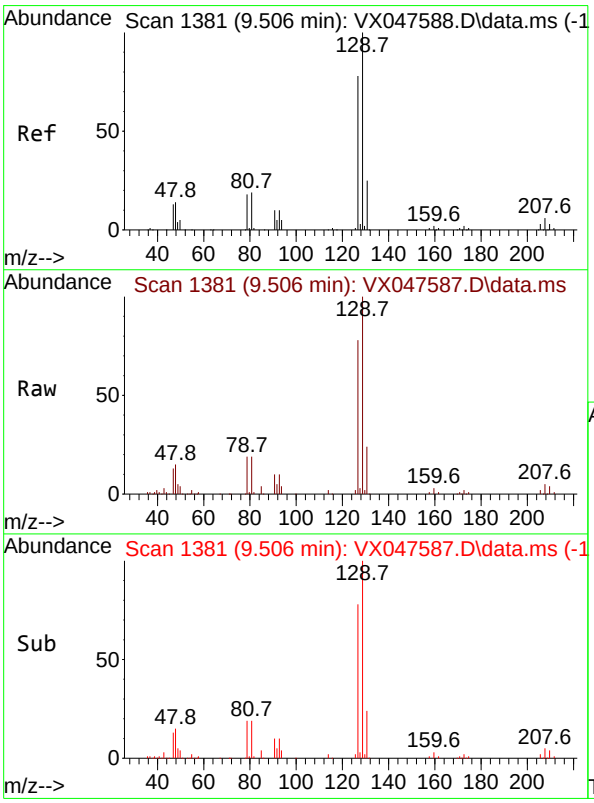
Ion	Ratio	Lower	Upper
43	100		
58	51.4	26.1	78.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

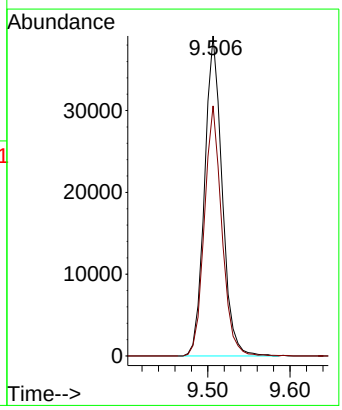
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

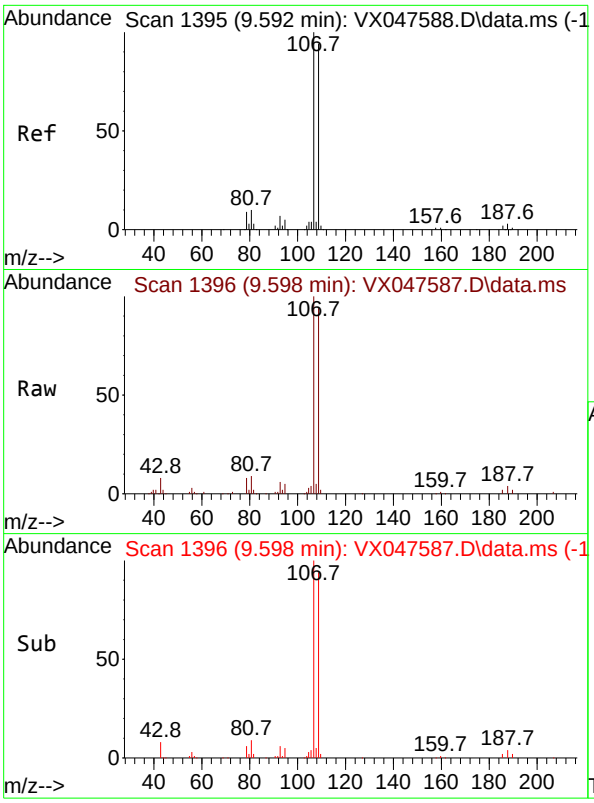


#60
Dibromochloromethane
Concen: 21.167 ug/l
RT: 9.506 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:129 Resp: 57994

Ion	Ratio	Lower	Upper
129	100		
127	77.7	38.4	115.2

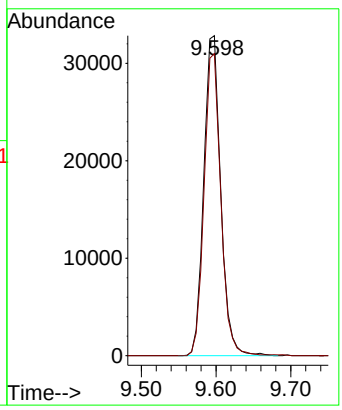




#61
1,2-Dibromoethane
Concen: 21.310 ug/l
RT: 9.598 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:107 Resp: 5161

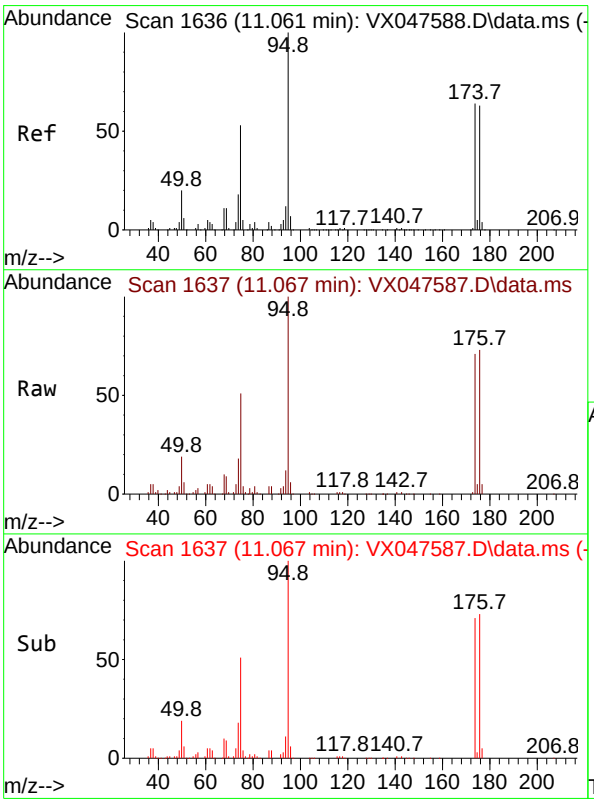
Ion	Ratio	Lower	Upper
107	100		
109	93.4	75.3	112.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

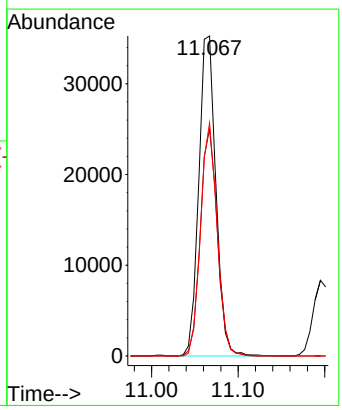
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

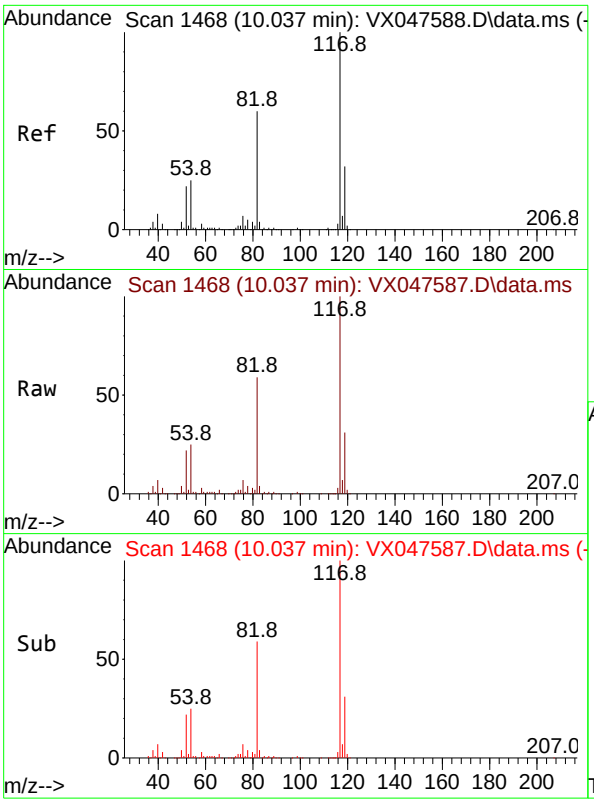


#62
4-Bromofluorobenzene
Concen: 16.360 ug/l
RT: 11.067 min Scan# 1637
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 95 Resp: 48454

Ion	Ratio	Lower	Upper
95	100		
174	70.2	0.0	141.6
176	70.3	0.0	138.4

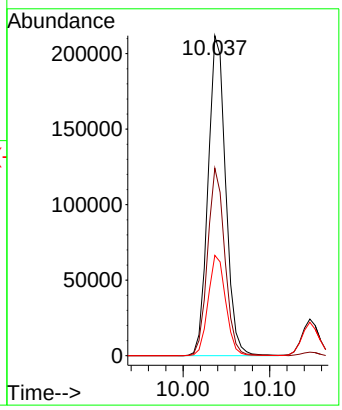




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:117 Resp: 29862

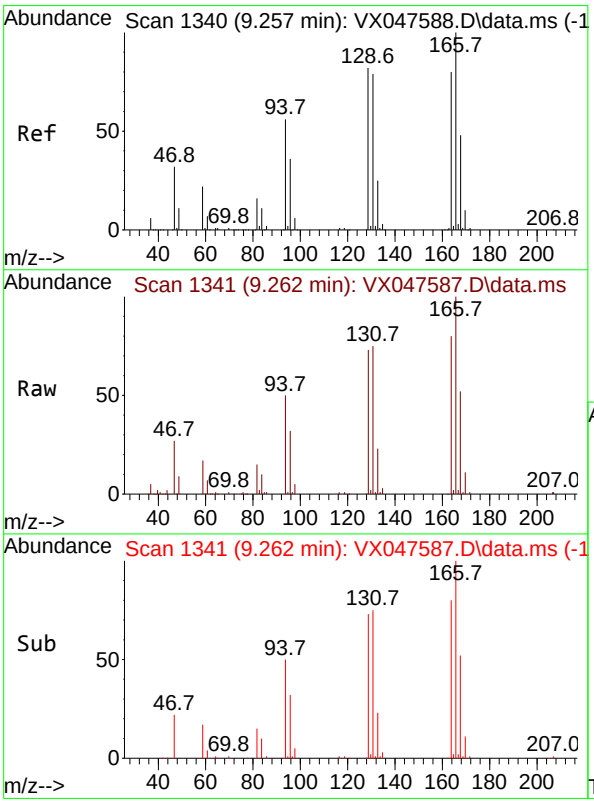
Ion	Ratio	Lower	Upper
117	100		
82	58.6	47.8	71.6
119	31.3	25.2	37.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

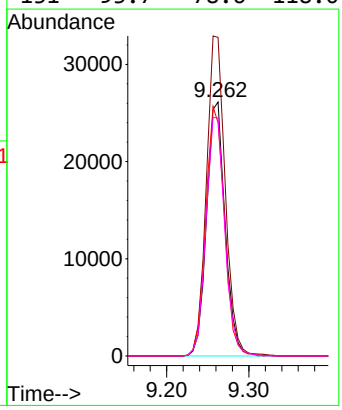
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

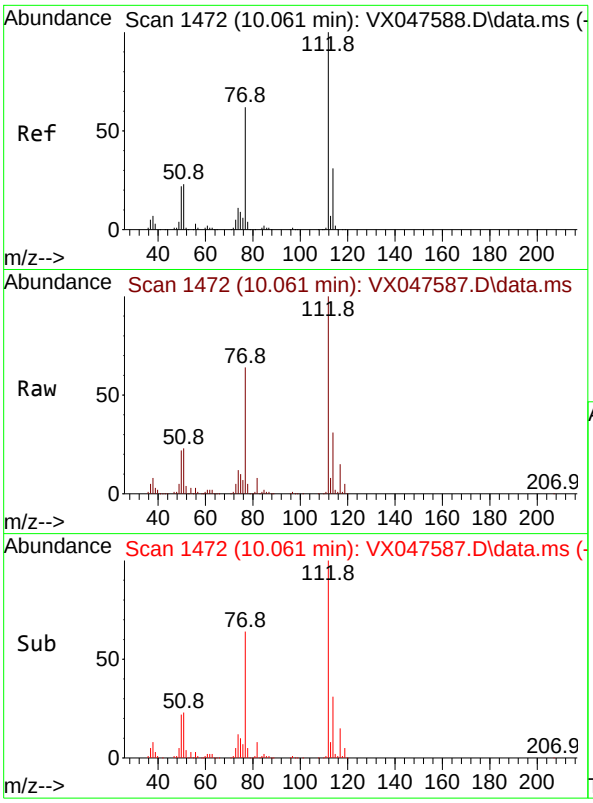


#64
Tetrachloroethene
Concen: 20.979 ug/l
RT: 9.262 min Scan# 1341
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:164 Resp: 40840

Ion	Ratio	Lower	Upper
164	100		
166	125.4	100.2	150.2
129	91.8	81.8	122.6
131	93.7	78.6	118.0

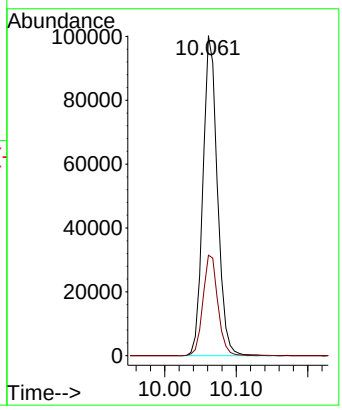




#65
Chlorobenzene
Concen: 20.731 ug/l
RT: 10.061 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:112 Resp: 14064

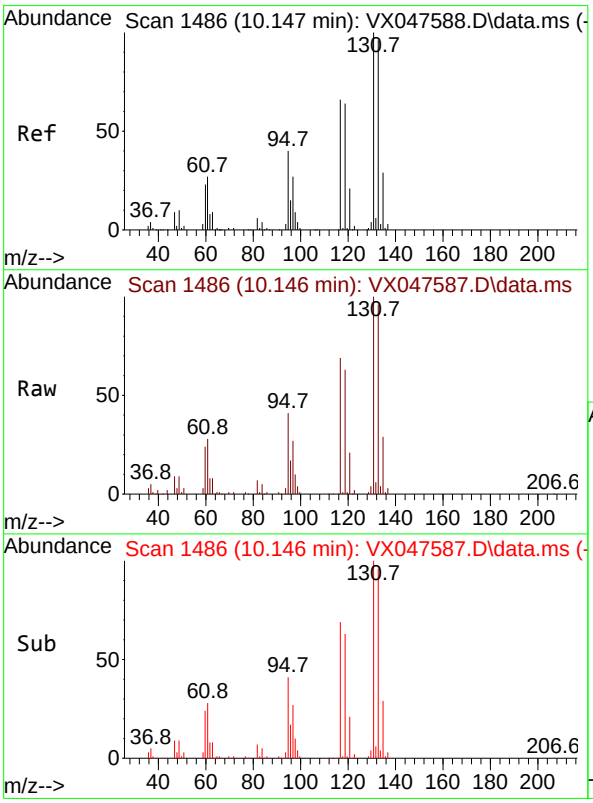
Ion	Ratio	Lower	Upper
112	100		
114	31.4	25.1	37.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

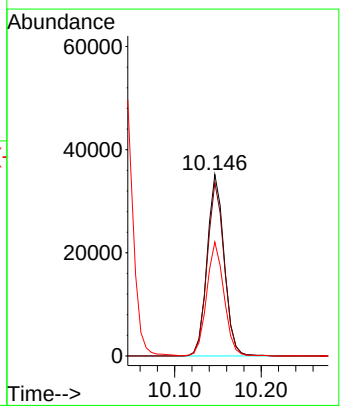
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

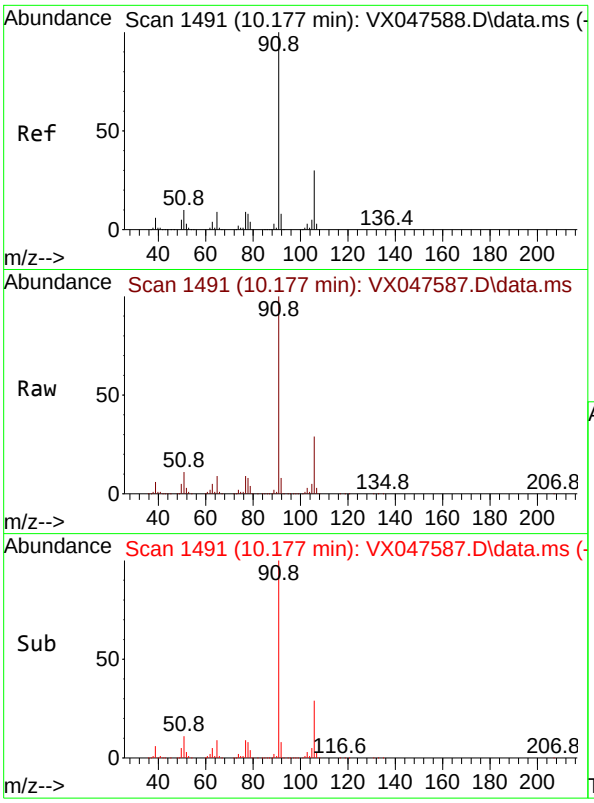


#66
1,1,1,2-Tetrachloroethane
Concen: 20.513 ug/l
RT: 10.146 min Scan# 1486
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:131 Resp: 48022

Ion	Ratio	Lower	Upper
131	100		
133	95.9	47.3	142.0
119	63.9	32.0	96.0





#67
Ethyl Benzene
Concen: 20.907 ug/l
RT: 10.177 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

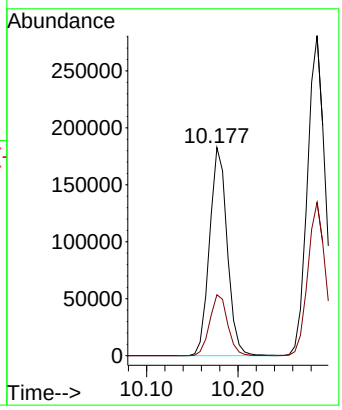
Tgt Ion: 91 Resp: 24473

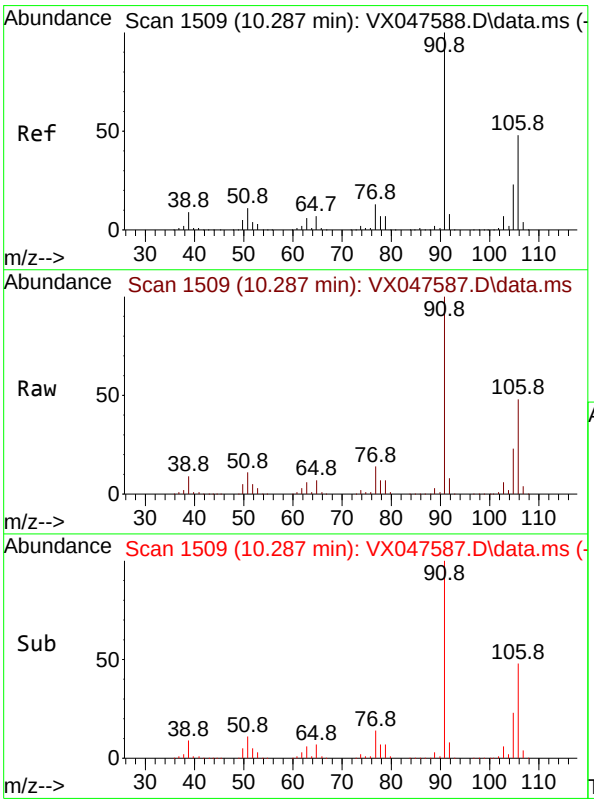
Ion	Ratio	Lower	Upper
91	100		
106	29.3	24.3	36.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

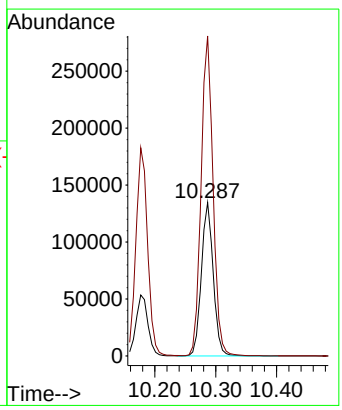


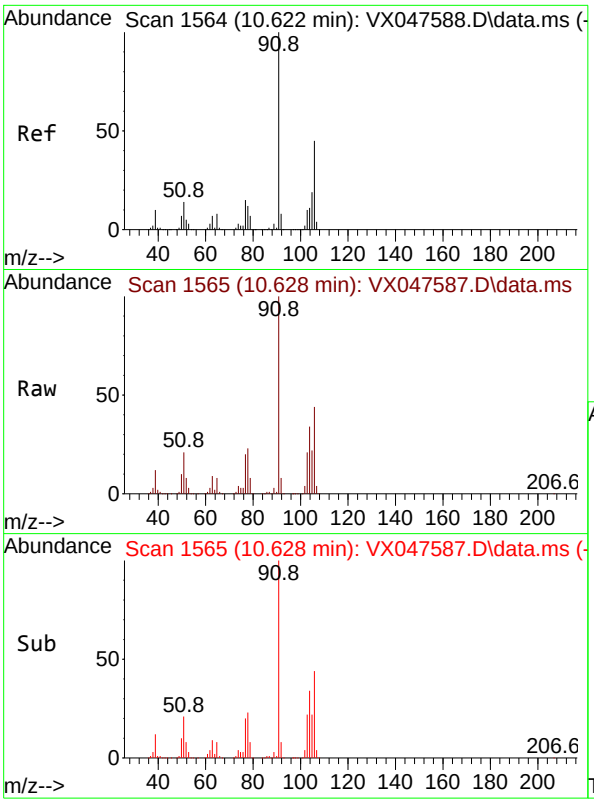


#68
m/p-Xylenes
Concen: 41.951 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:106 Resp: 182778

Ion	Ratio	Lower	Upper
106	100		
91	210.2	167.8	251.8





#69
o-Xylene
Concen: 20.799 ug/l
RT: 10.628 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

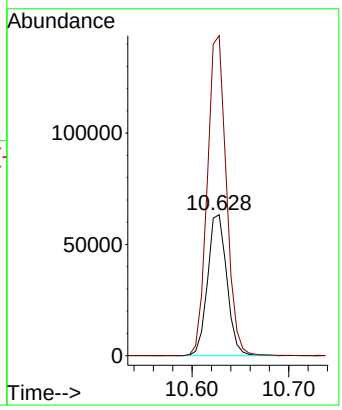
Tgt Ion:106 Resp: 8765

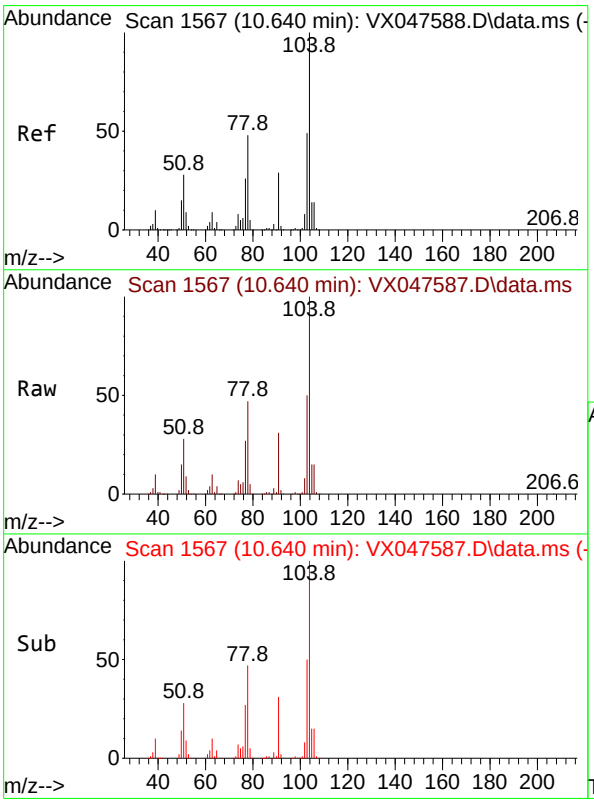
Ion	Ratio	Lower	Upper
106	100		
91	225.3	111.1	333.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

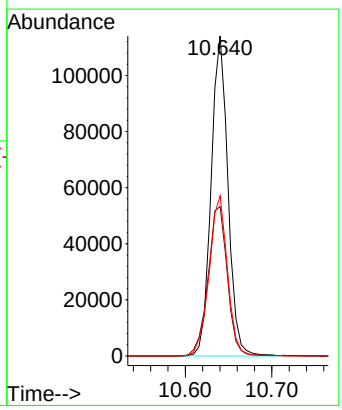


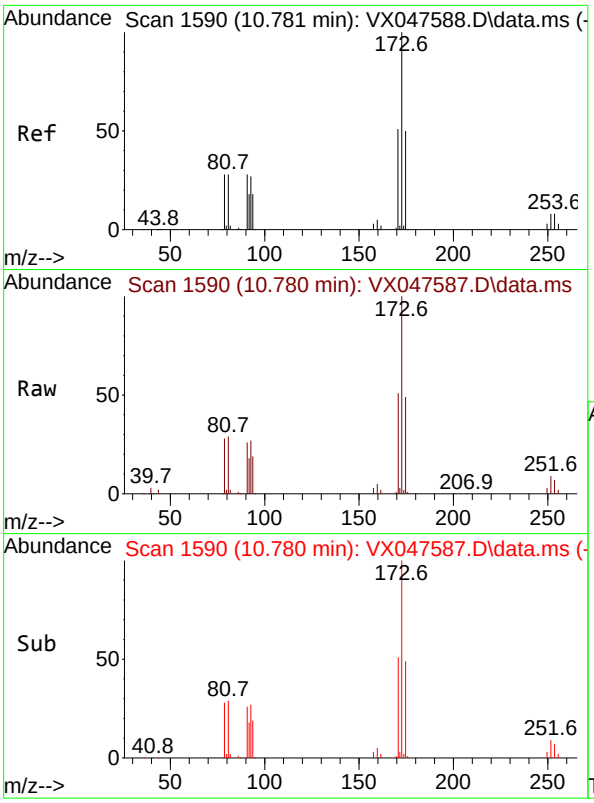


#70
Styrene
Concen: 20.866 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:104 Resp: 154077

Ion	Ratio	Lower	Upper
104	100		
78	53.6	43.1	64.7
103	54.4	43.1	64.7

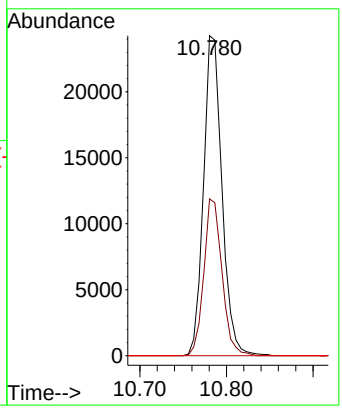




#71
Bromoform
Concen: 20.550 ug/l
RT: 10.780 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:173 Resp: 3592

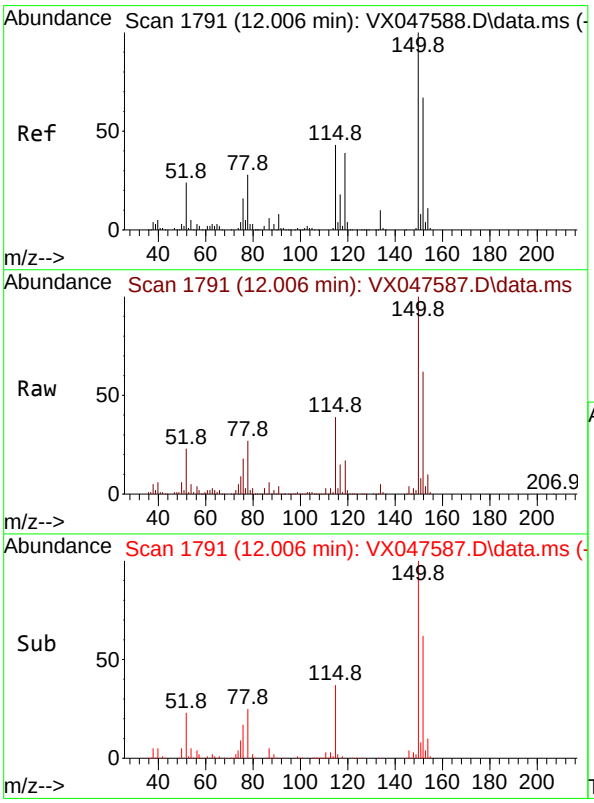
Ion	Ratio	Lower	Upper
173	100		
175	48.3	24.9	74.6
254	0.0	0.1	0.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

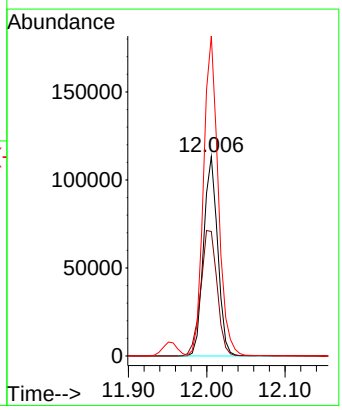
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

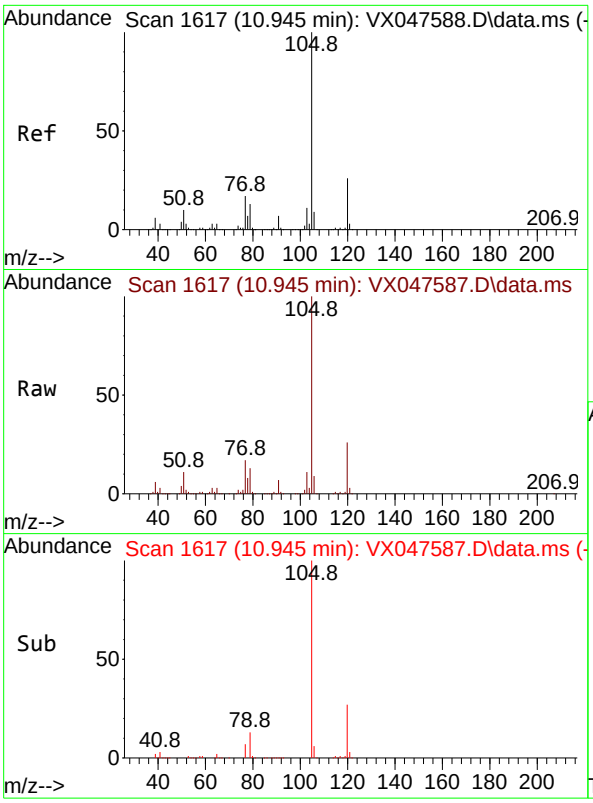


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:152 Resp: 141590

Ion	Ratio	Lower	Upper
152	100		
115	73.2	44.9	134.5
150	167.1	0.0	352.0

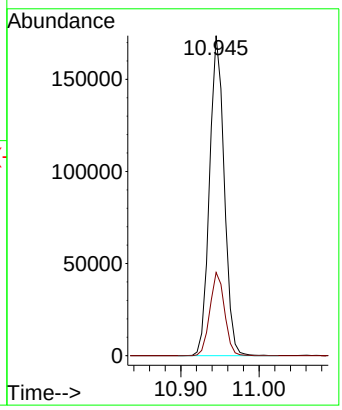




#73
Isopropylbenzene
Concen: 20.970 ug/l
RT: 10.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:105 Resp: 22573

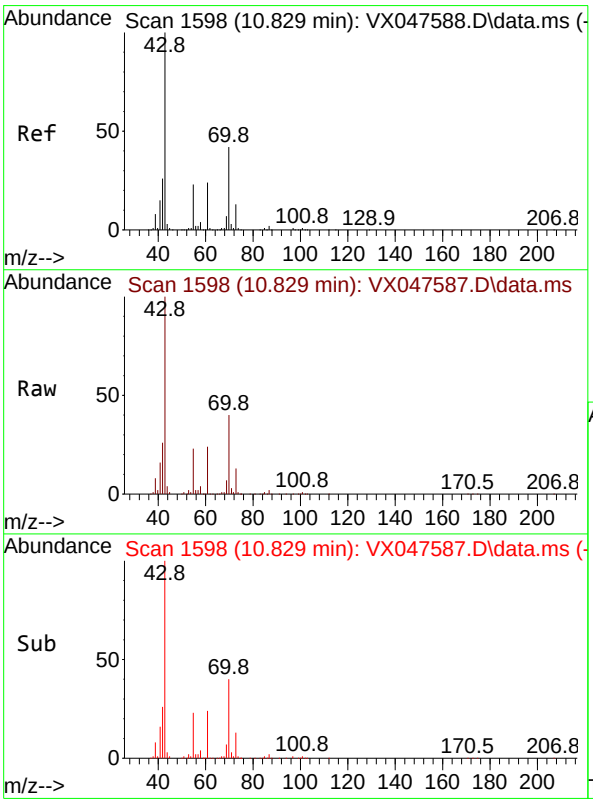
Ion	Ratio	Lower	Upper
105	100		
120	25.9	12.8	38.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

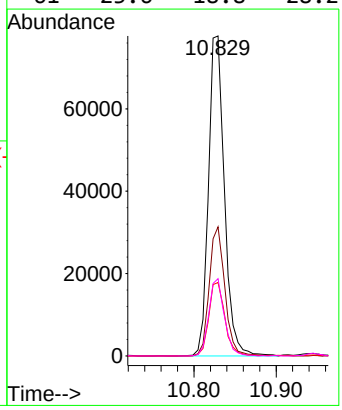
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

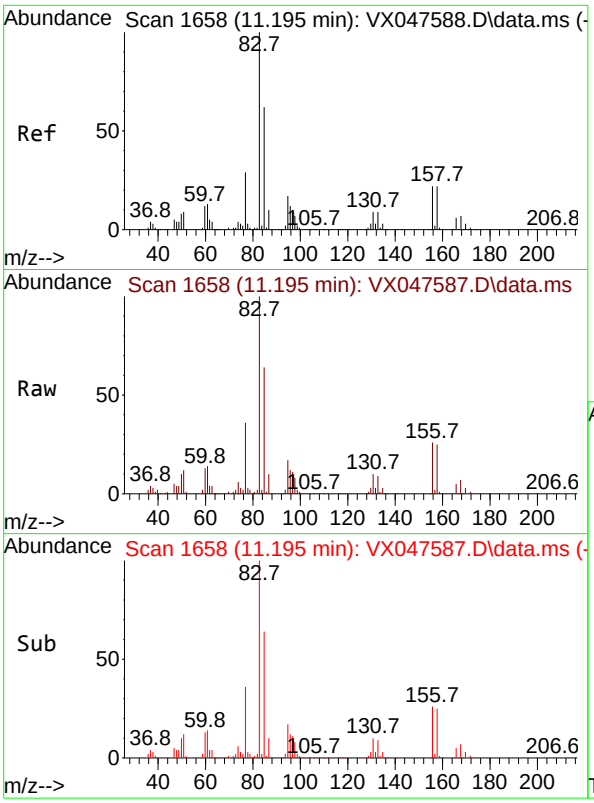


#74
N-amyl acetate
Concen: 21.354 ug/l
RT: 10.829 min Scan# 1598
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 43 Resp: 104823

Ion	Ratio	Lower	Upper
43	100		
70	39.8	32.0	48.0
55	23.4	18.9	28.3
61	23.6	18.8	28.2





#75
1,1,2,2-Tetrachloroethane
Concen: 20.920 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

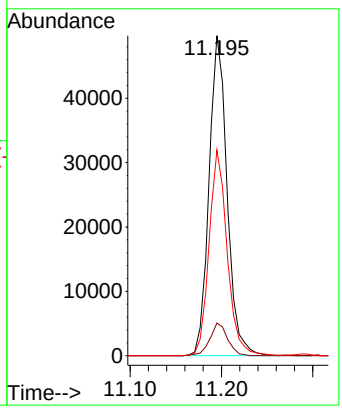
Tgt Ion: 83 Resp: 6813

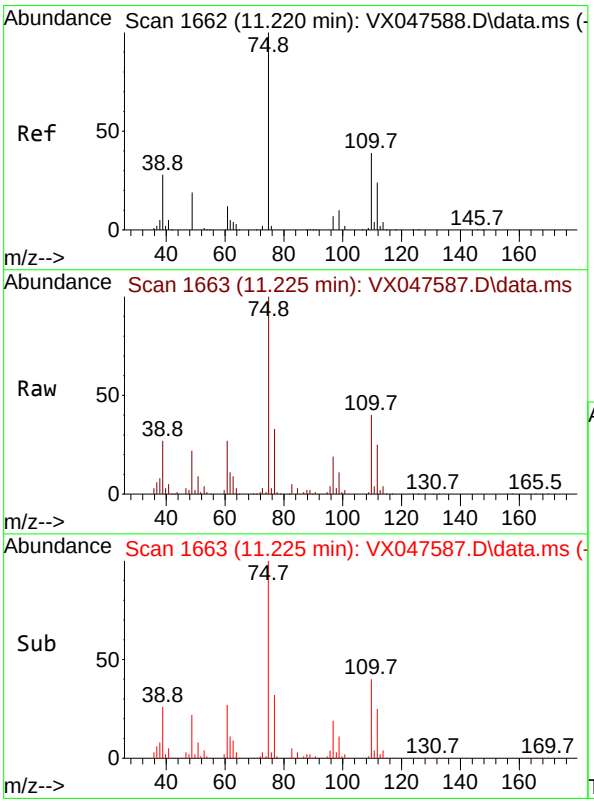
Ion	Ratio	Lower	Upper
83	100		
131	10.0	5.0	14.9
85	64.4	31.6	95.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

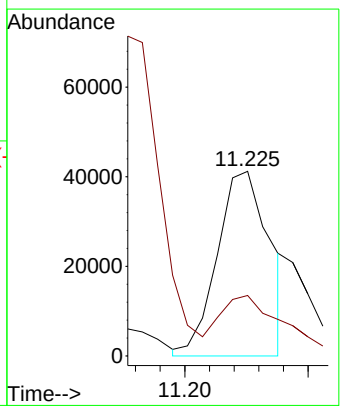


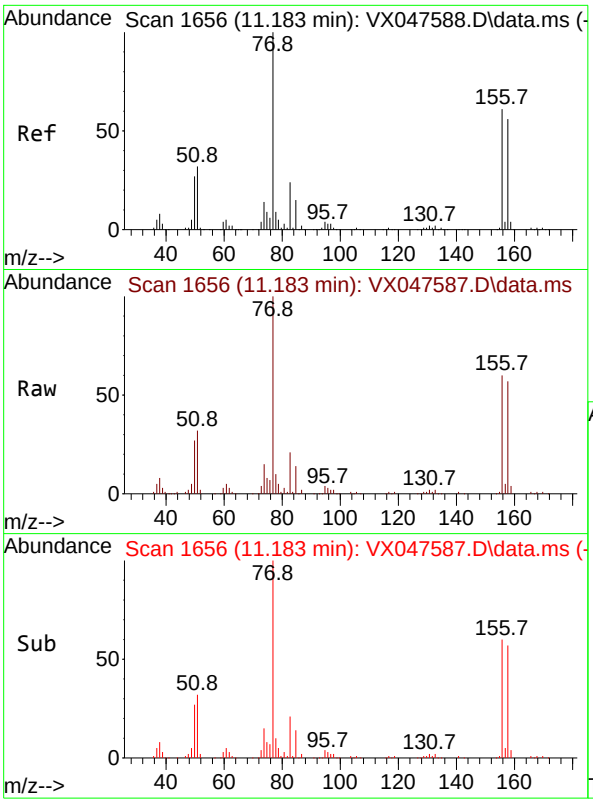


#76
1,2,3-Trichloropropane
Concen: 20.680 ug/l m
RT: 11.225 min Scan# 1663
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 75 Resp: 60797

Ion	Ratio	Lower	Upper
75	100		
77	39.6	18.8	56.4

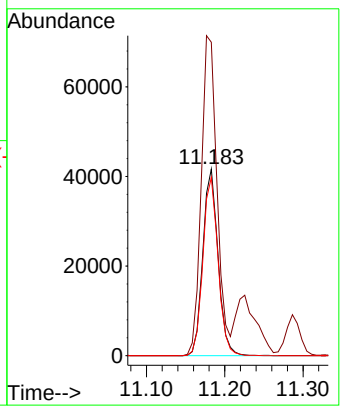




#77
Bromobenzene
Concen: 21.183 ug/l
RT: 11.183 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:156 Resp: 5616

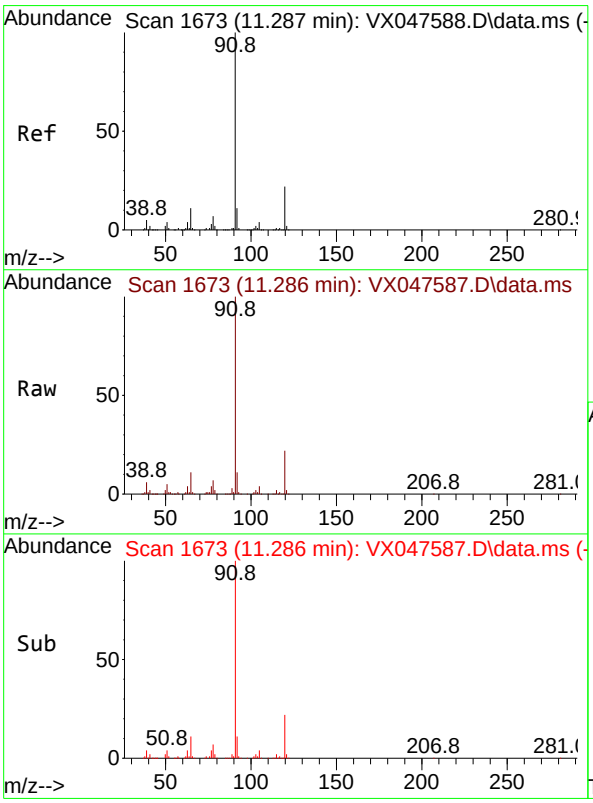
Ion	Ratio	Lower	Upper
156	100		
77	177.4	89.7	269.1
158	95.2	47.9	143.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

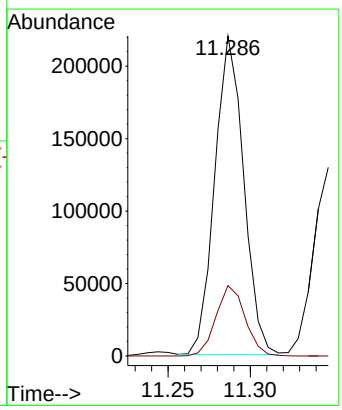
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

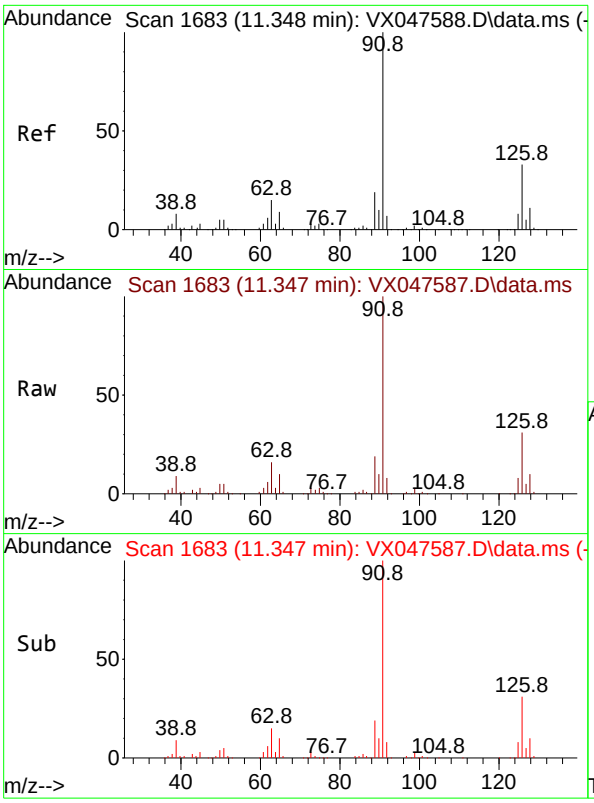


#78
n-propylbenzene
Concen: 21.092 ug/l
RT: 11.286 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 91 Resp: 268399

Ion	Ratio	Lower	Upper
91	100		
120	22.3	11.1	33.1

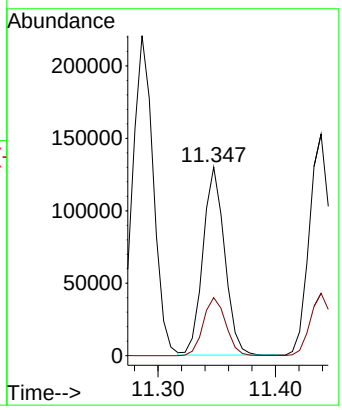




#79
2-Chlorotoluene
Concen: 21.329 ug/l
RT: 11.347 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 91 Resp: 16623

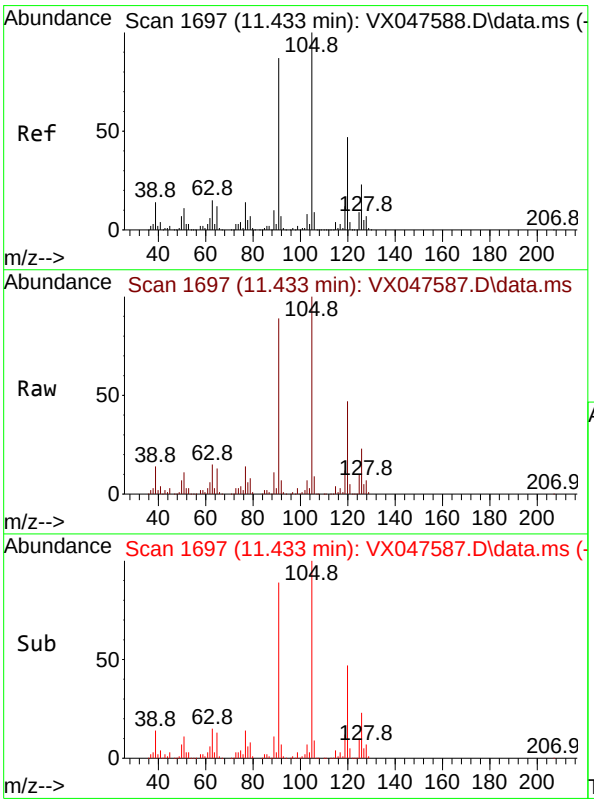
Ion	Ratio	Lower	Upper
91	100		
126	32.1	16.1	48.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

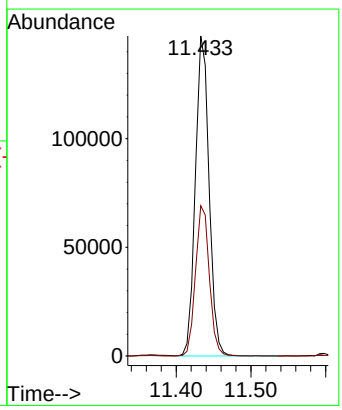
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

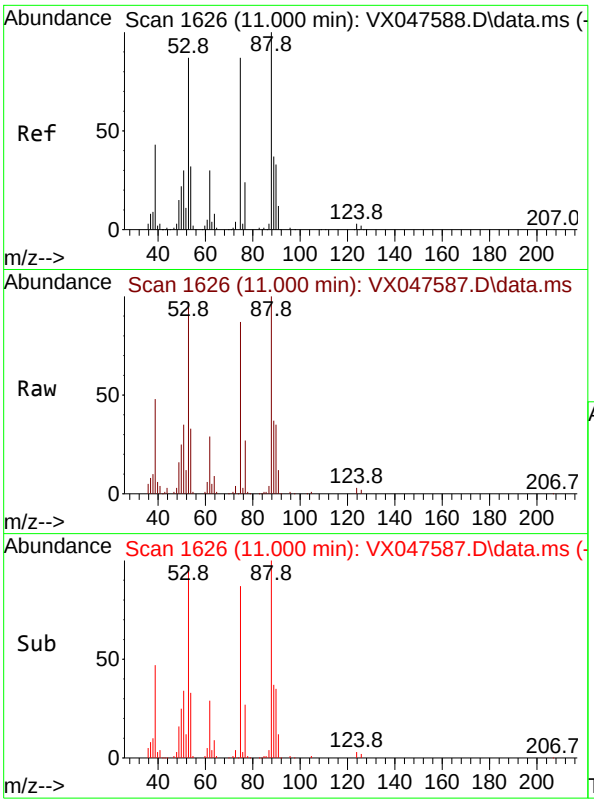


#80
1,3,5-Trimethylbenzene
Concen: 21.202 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:105 Resp: 187513

Ion	Ratio	Lower	Upper
105	100		
120	47.4	23.6	70.8





#81
trans-1,4-Dichloro-2-butene
Concen: 19.173 ug/l
RT: 11.000 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

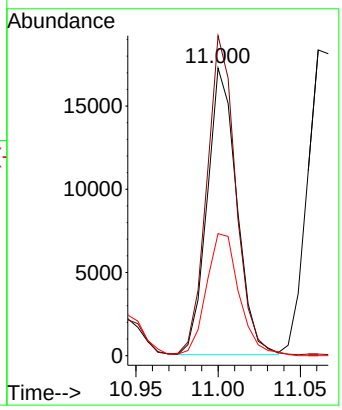
Tgt Ion: 75 Resp: 2155

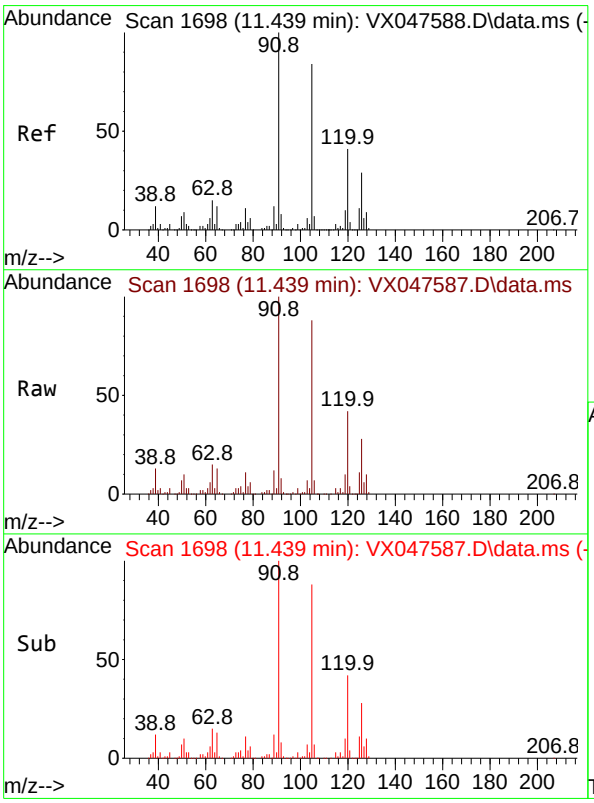
Ion	Ratio	Lower	Upper
75	100		
53	109.1	83.4	125.2
89	47.6	36.3	54.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

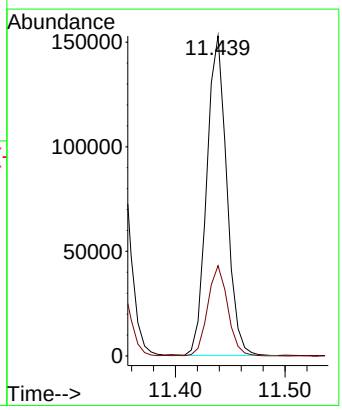


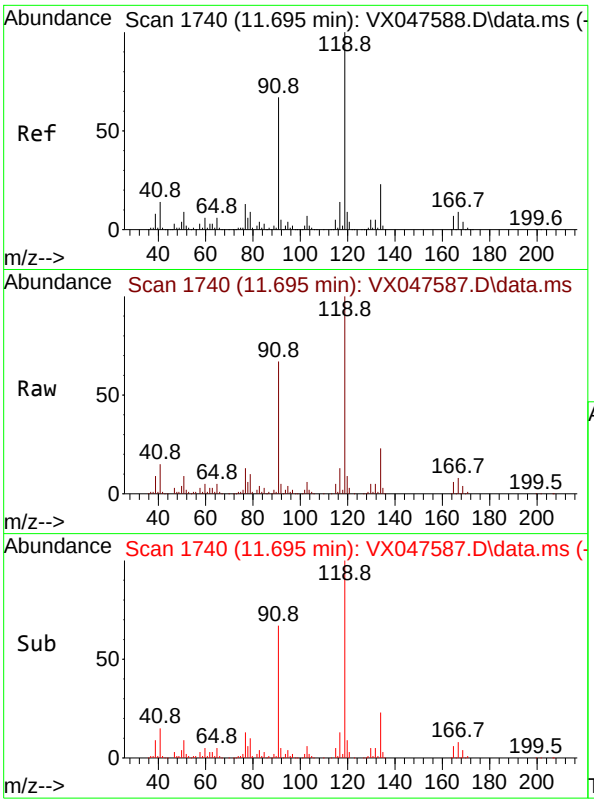


#82
4-Chlorotoluene
Concen: 20.980 ug/l
RT: 11.439 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 91 Resp: 193122

Ion	Ratio	Lower	Upper
91	100		
126	28.5	14.2	42.6

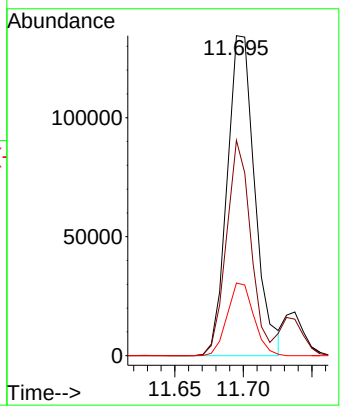




#83
tert-Butylbenzene
Concen: 20.929 ug/l
RT: 11.695 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:119 Resp: 18948

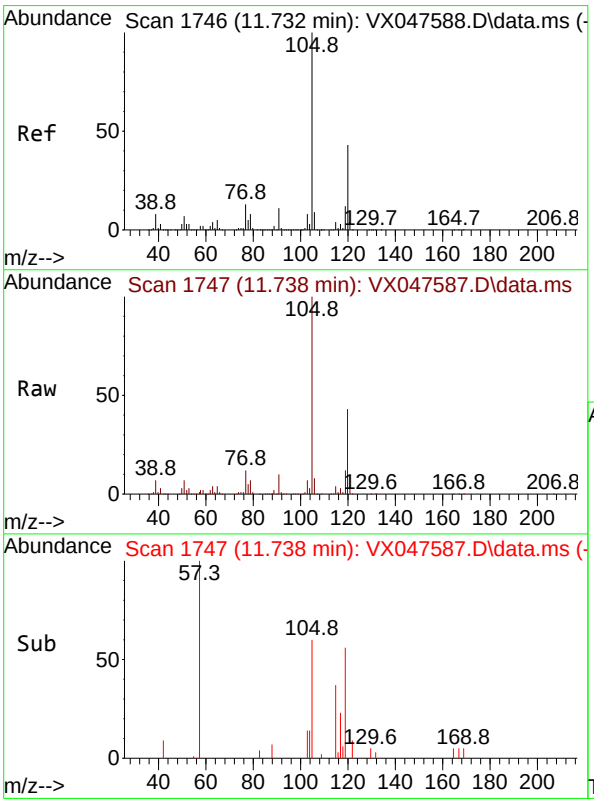
Ion	Ratio	Lower	Upper
119	100		
91	59.2	29.6	88.8
134	21.8	11.0	33.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

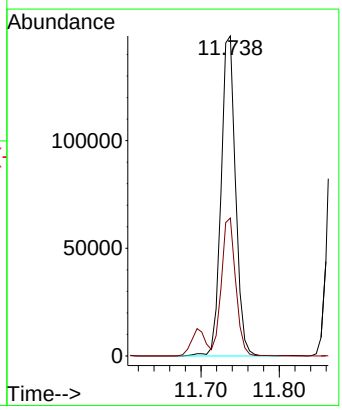
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

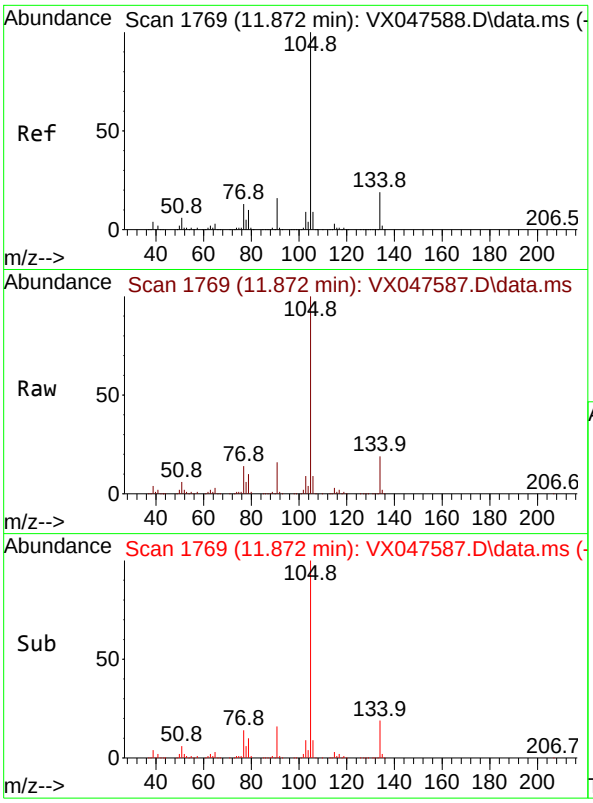


#84
1,2,4-Trimethylbenzene
Concen: 21.355 ug/l
RT: 11.738 min Scan# 1747
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:105 Resp: 191477

Ion	Ratio	Lower	Upper
105	100		
120	42.6	22.1	66.1

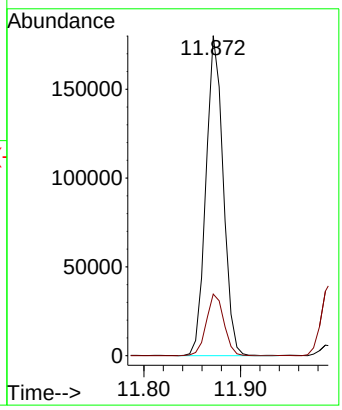




#85
sec-Butylbenzene
Concen: 20.777 ug/l
RT: 11.872 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:105 Resp: 22343

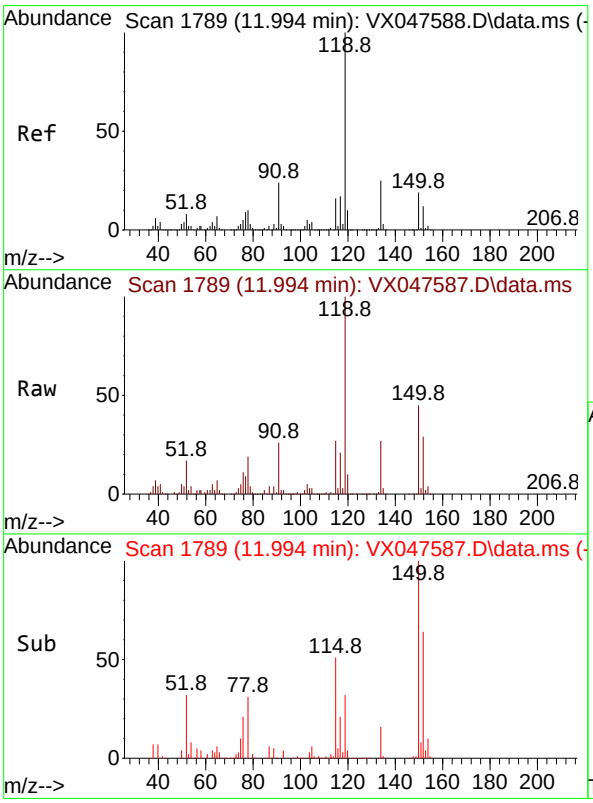
Ion	Ratio	Lower	Upper
105	100		
134	19.7	9.8	29.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

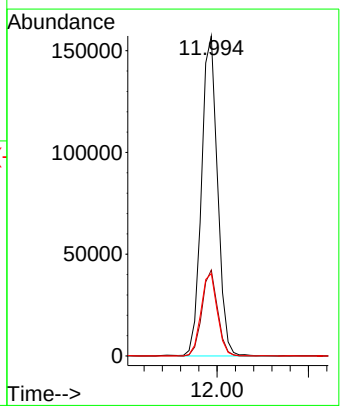
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

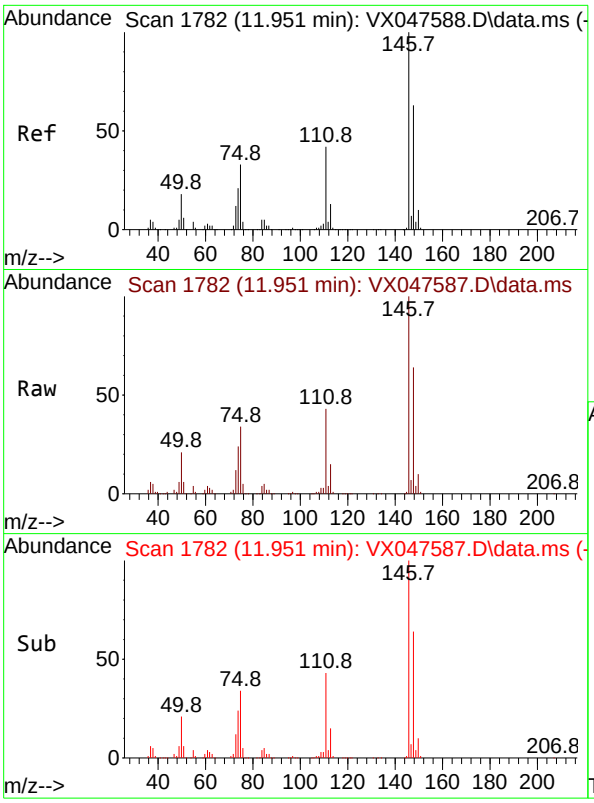


#86
p-Isopropyltoluene
Concen: 20.972 ug/l
RT: 11.994 min Scan# 1789
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:119 Resp: 190931

Ion	Ratio	Lower	Upper
119	100		
134	26.1	12.6	37.8
91	26.2	12.6	37.6

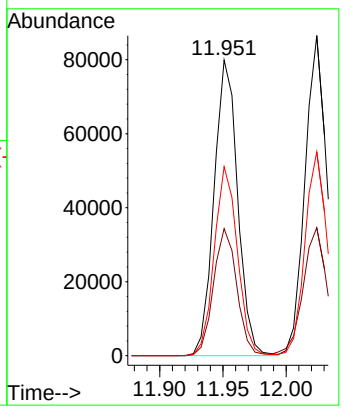




#87
1,3-Dichlorobenzene
Concen: 21.035 ug/l
RT: 11.951 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:146 Resp: 10358

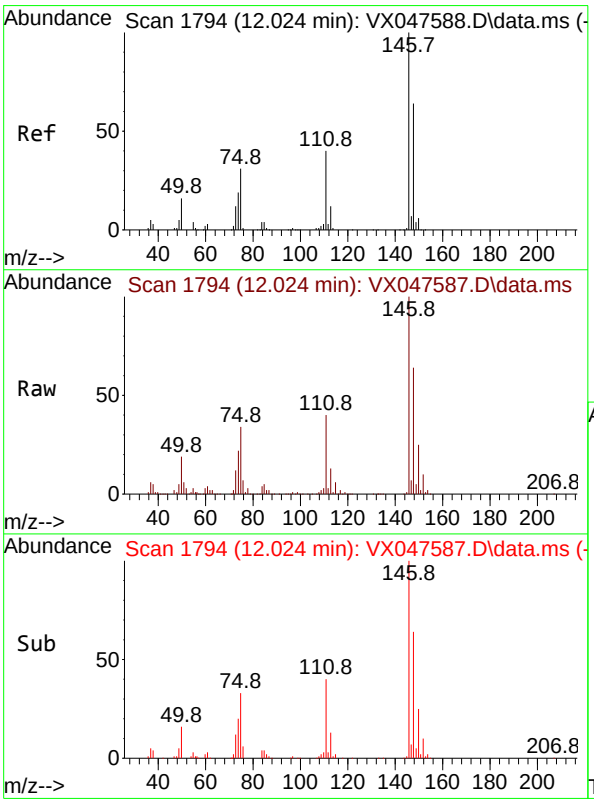
Ion	Ratio	Lower	Upper
146	100		
111	42.4	21.5	64.5
148	62.7	32.0	96.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

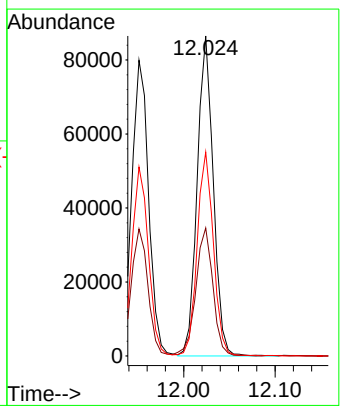
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

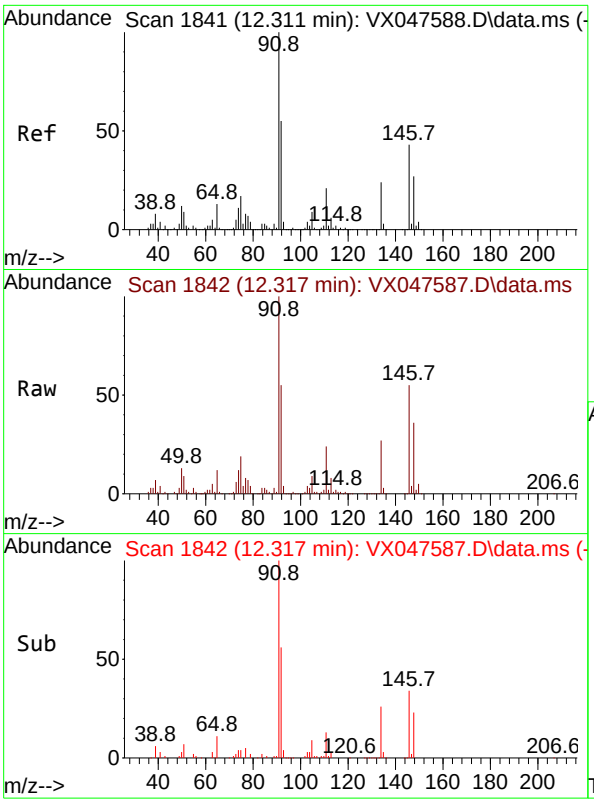


#88
1,4-Dichlorobenzene
Concen: 20.937 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:146 Resp: 105819

Ion	Ratio	Lower	Upper
146	100		
111	42.6	20.8	62.4
148	64.4	31.7	95.1

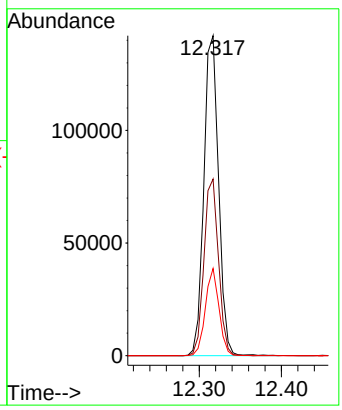




#89
n-Butylbenzene
Concen: 20.937 ug/l
RT: 12.317 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 91 Resp: 17637

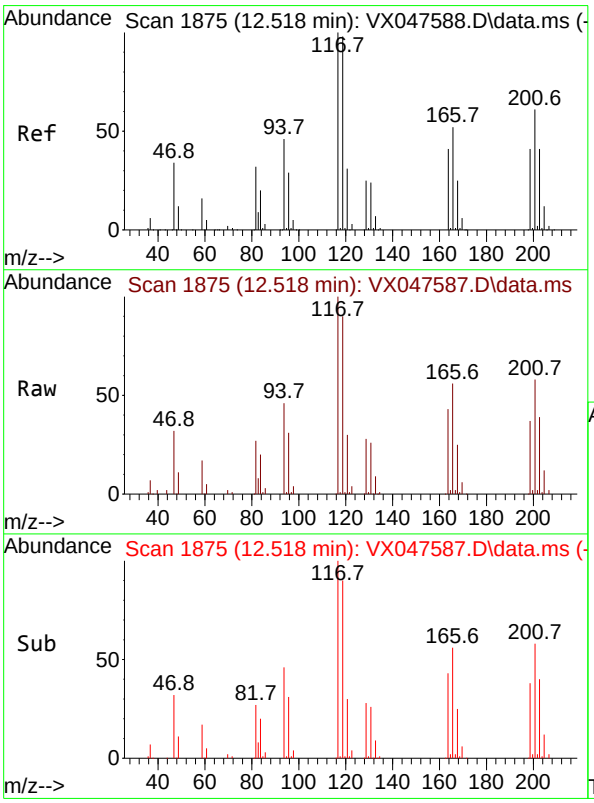
Ion	Ratio	Lower	Upper
91	100		
92	54.6	27.6	82.7
134	25.3	12.6	37.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

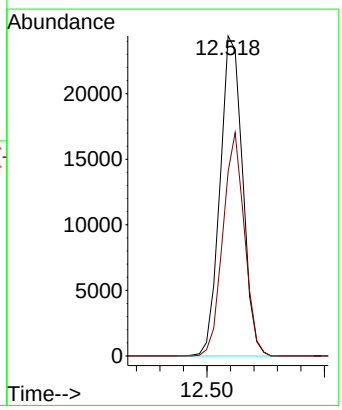
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

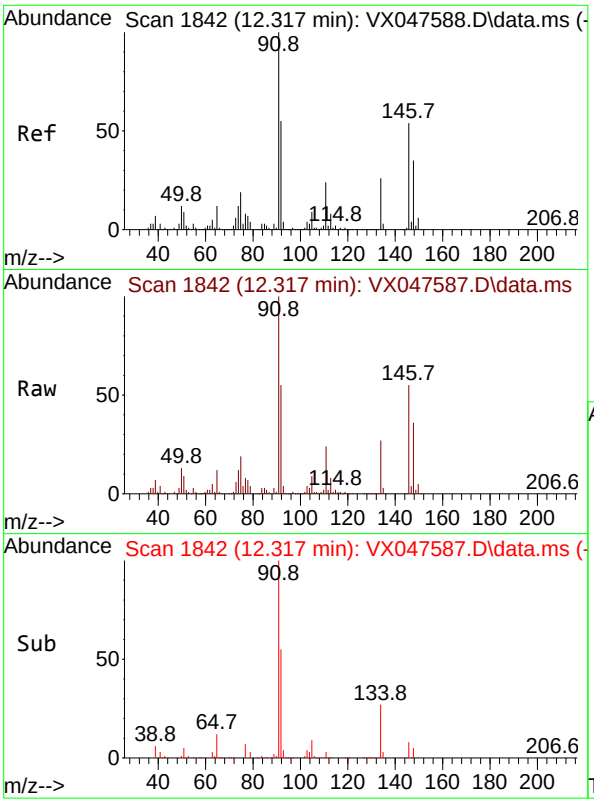


#90
Hexachloroethane
Concen: 20.349 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:117 Resp: 32526

Ion	Ratio	Lower	Upper
117	100		
201	66.6	34.2	102.5

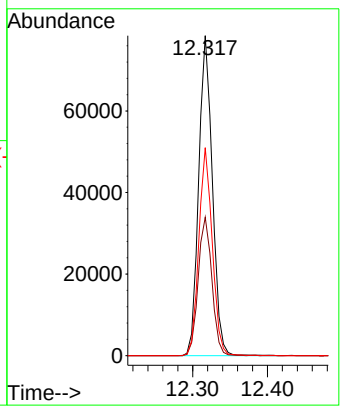




#91
1,2-Dichlorobenzene
Concen: 21.207 ug/l
RT: 12.317 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:146 Resp: 9949

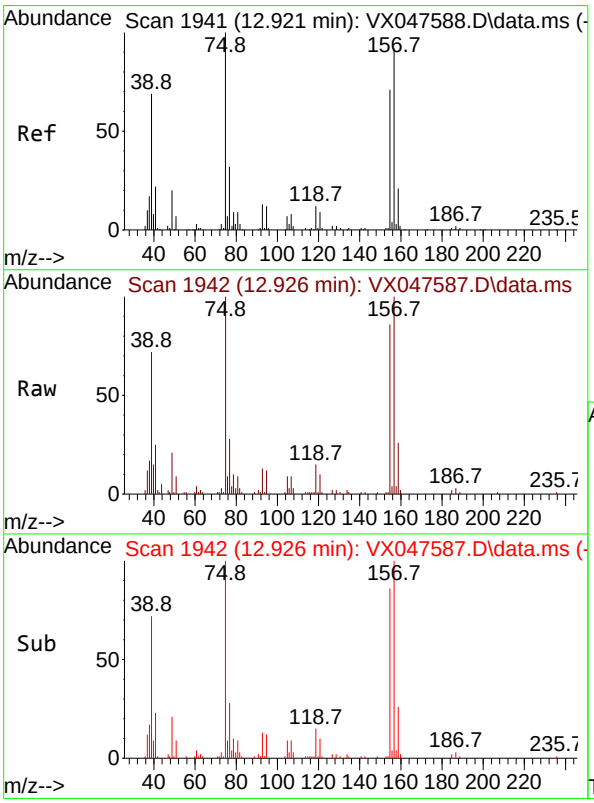
Ion	Ratio	Lower	Upper
146	100		
111	43.4	22.2	66.6
148	63.9	31.8	95.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

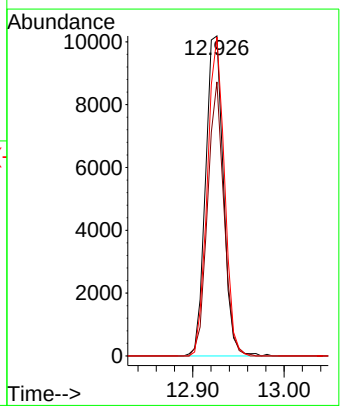
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

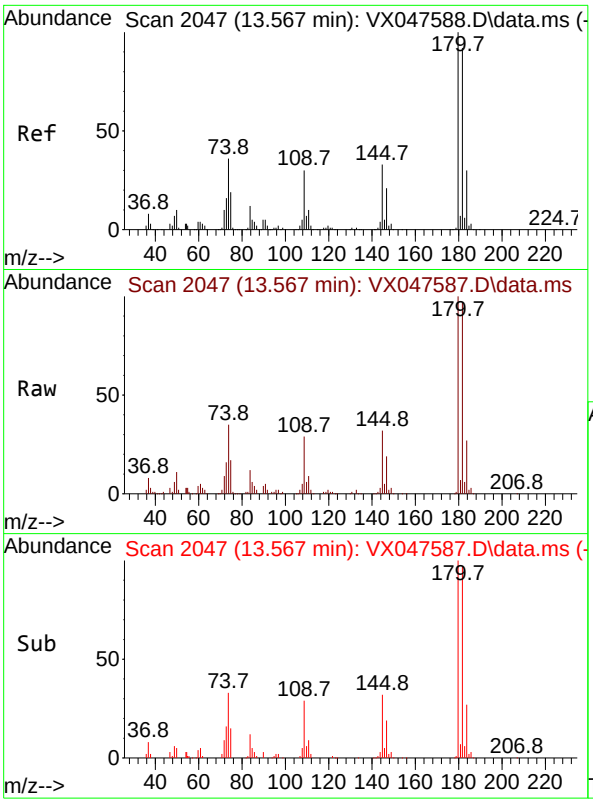


#92
1,2-Dibromo-3-Chloropropane
Concen: 20.821 ug/l
RT: 12.926 min Scan# 1942
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 75 Resp: 13729

Ion	Ratio	Lower	Upper
75	100		
155	78.8	37.7	113.1
157	95.9	49.8	149.4

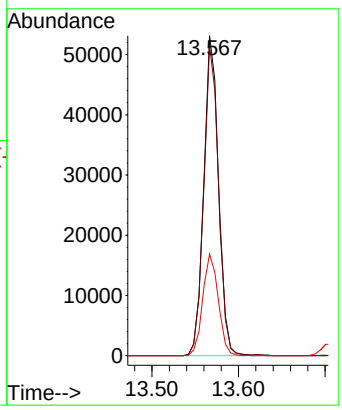




#93
1,2,4-Trichlorobenzene
Concen: 20.571 ug/l
RT: 13.567 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:180 Resp: 6272

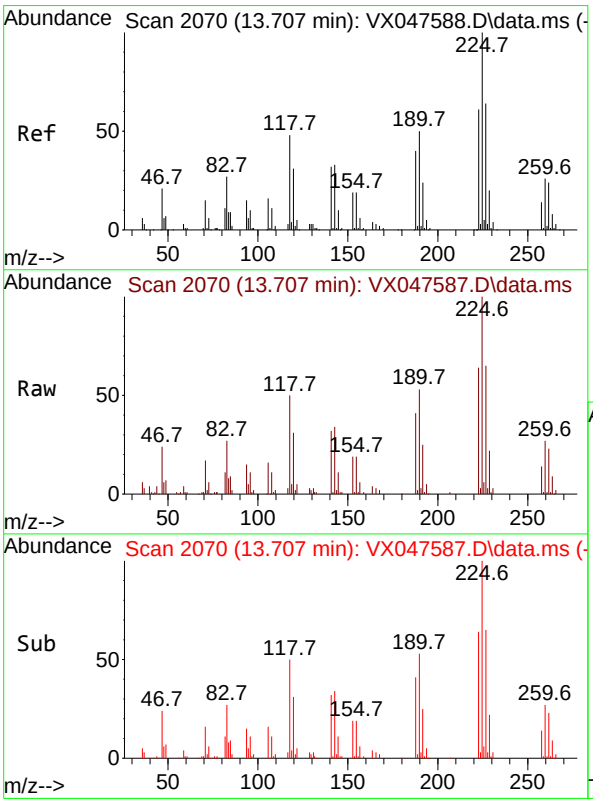
Ion	Ratio	Lower	Upper
180	100		
182	97.8	46.6	139.8
145	33.4	16.4	49.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

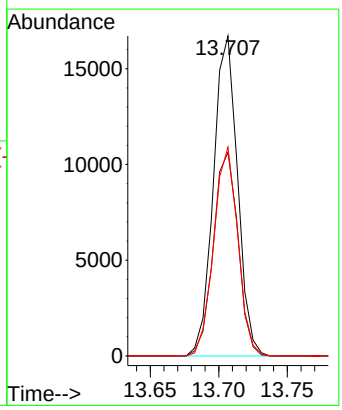
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

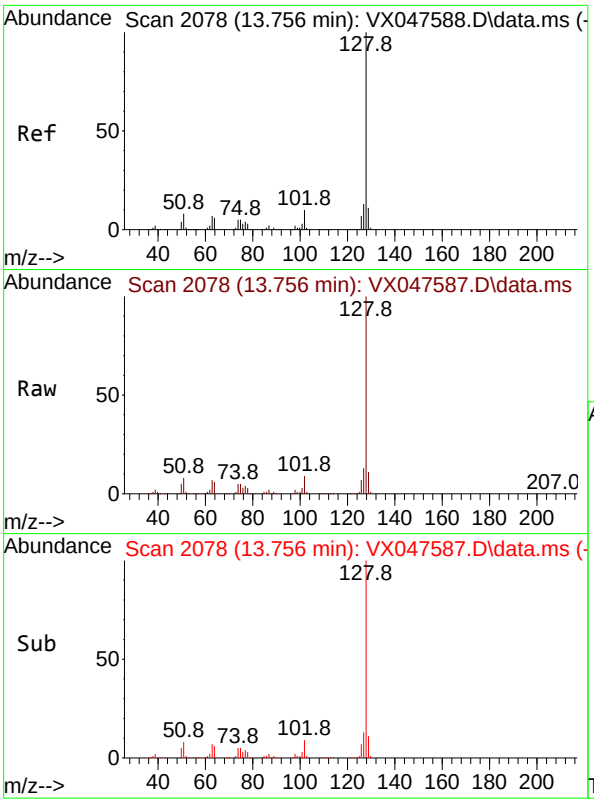


#94
Hexachlorobutadiene
Concen: 19.751 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:225 Resp: 20456

Ion	Ratio	Lower	Upper
225	100		
223	65.0	31.7	95.1
227	65.1	32.0	96.0

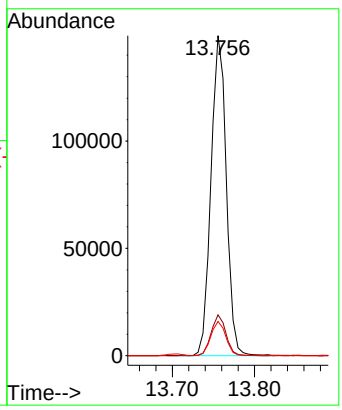




#95
Naphthalene
Concen: 20.801 ug/l
RT: 13.756 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:128 Resp: 19313

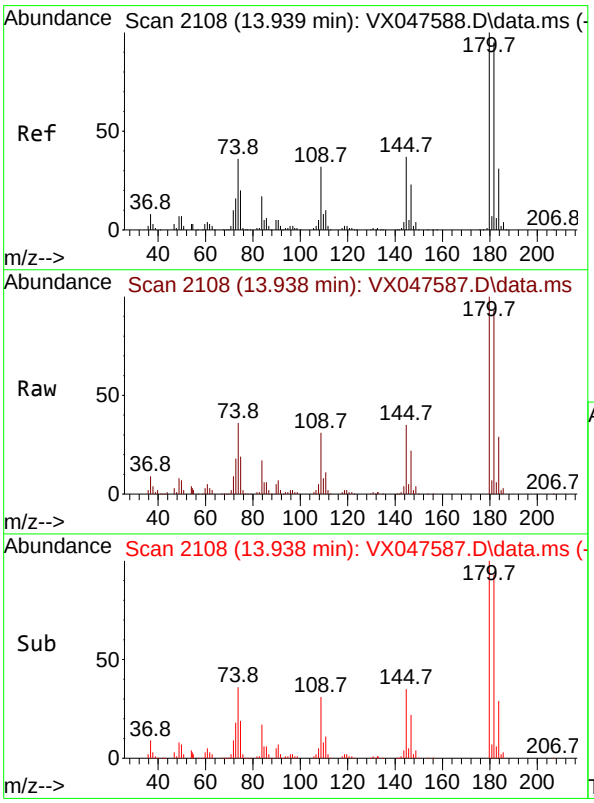
Ion	Ratio	Lower	Upper
128	100		
127	12.3	10.2	15.2
129	10.5	8.8	13.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

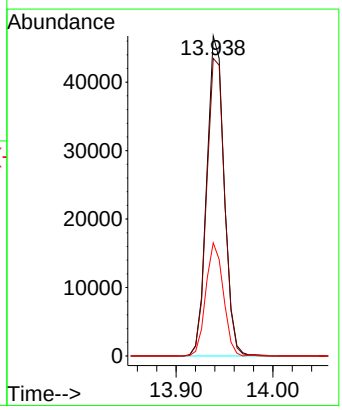
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025



#96
1,2,3-Trichlorobenzene
Concen: 20.593 ug/l
RT: 13.938 min Scan# 2108
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:180 Resp: 58409

Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.6	142.8
145	35.5	17.9	53.7



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047588.D
Acq On : 16 Sep 2025 10:58
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

Quant Time: Sep 17 06:13:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:04:35 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	173407	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	307383	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	270040	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	127732	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	133606	48.404	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 96.800%			
35) Dibromofluoromethane	5.373	113	101627	49.298	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.600%			
50) Toluene-d8	8.635	98	352578	49.428	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 98.860%			
62) 4-Bromofluorobenzene	11.061	95	131217	48.471	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 96.940%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.173	85	86824	48.352	ug/l	100
3) Chloromethane	1.301	50	114682	48.594	ug/l	100
4) Vinyl Chloride	1.380	62	114666	49.635	ug/l	100
5) Bromomethane	1.618	94	73561	50.216	ug/l	100
6) Chloroethane	1.697	64	76736	49.698	ug/l	100
7) Trichlorofluoromethane	1.898	101	172561	50.307	ug/l	100
8) Diethyl Ether	2.136	74	70874	50.510	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.337	101	101178	50.445	ug/l	100
10) Methyl Iodide	2.459	142	158046	50.525	ug/l	100
11) Tert butyl alcohol	2.941	59	77232	251.232	ug/l	100
12) 1,1-Dichloroethene	2.325	96	104724	50.831	ug/l	100
13) Acrolein	2.239	56	70721	249.645	ug/l	100
14) Allyl chloride	2.666	41	210001	49.396	ug/l	100
15) Acrylonitrile	3.063	53	300642	264.027	ug/l	100
16) Acetone	2.374	43	275065	229.193	ug/l	100
17) Carbon Disulfide	2.520	76	271480	48.133	ug/l	100
18) Methyl Acetate	2.703	43	151968	56.897	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	389607	51.804	ug/l	100
20) Methylene Chloride	2.788	84	126506	49.798	ug/l	100
21) trans-1,2-Dichloroethene	3.093	96	112553	50.743	ug/l	100
22) Diisopropyl ether	3.758	45	429524	52.131	ug/l	100
23) Vinyl Acetate	3.715	43	1726735	261.852	ug/l	100
24) 1,1-Dichloroethane	3.605	63	224824	51.338	ug/l	100
25) 2-Butanone	4.538	43	380335	254.060	ug/l	100
26) 2,2-Dichloropropane	4.465	77	185247	50.888	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	140105	51.576	ug/l	100
28) Bromochloromethane	4.891	49	99991	52.301	ug/l	100
29) Tetrahydrofuran	4.989	42	238677	265.026	ug/l	100
30) Chloroform	5.080	83	229430	51.844	ug/l	100
31) Cyclohexane	5.458	56	178546	48.952	ug/l	100
32) 1,1,1-Trichloroethane	5.373	97	195407	52.058	ug/l	100
36) 1,1-Dichloropropene	5.684	75	149800	49.729	ug/l	100
37) Ethyl Acetate	4.702	43	163482	50.687	ug/l	100
38) Carbon Tetrachloride	5.672	117	165730	50.637	ug/l	100
39) Methylcyclohexane	7.367	83	173610	50.773	ug/l	100
40) Benzene	6.025	78	468136	51.167	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047588.D
Acq On : 16 Sep 2025 10:58
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 17 06:13:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:04:35 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	4.904	41	87761	52.707 ug/l		100
42) 1,2-Dichloroethane	6.074	62	179037	51.431 ug/l		100
43) Isopropyl Acetate	6.324	43	275572	52.096 ug/l		100
44) Trichloroethene	7.111	130	113832	51.463 ug/l		100
45) 1,2-Dichloropropane	7.415	63	122109	52.122 ug/l		100
46) Dibromomethane	7.568	93	88505	51.914 ug/l		100
47) Bromodichloromethane	7.806	83	186540	53.025 ug/l		100
48) Methyl methacrylate	7.678	41	138167	52.438 ug/l		100
49) 1,4-Dioxane	7.647	88	29496	1107.698 ug/l		100
51) 4-Methyl-2-Pentanone	8.562	43	784978	267.650 ug/l		100
52) Toluene	8.702	92	288853	51.244 ug/l		100
53) t-1,3-Dichloropropene	8.964	75	190282	53.027 ug/l		100
54) cis-1,3-Dichloropropene	8.354	75	200859	52.369 ug/l		100
55) 1,1,2-Trichloroethane	9.135	97	112837	51.915 ug/l		100
56) Ethyl methacrylate	9.104	69	184087	53.930 ug/l		100
57) 1,3-Dichloropropane	9.293	76	195989	52.492 ug/l		100
58) 2-Chloroethyl Vinyl ether	8.226	63	418707	256.309 ug/l		100
59) 2-Hexanone	9.415	43	553313	262.683 ug/l		100
60) Dibromochloromethane	9.506	129	133737	53.401 ug/l		100
61) 1,2-Dibromoethane	9.592	107	116462	52.607 ug/l		100
64) Tetrachloroethene	9.257	164	88149	50.074 ug/l		100
65) Chlorobenzene	10.061	112	317982	51.833 ug/l		100
66) 1,1,1,2-Tetrachloroethane	10.147	131	111849	52.835 ug/l		100
67) Ethyl Benzene	10.177	91	550610	52.017 ug/l		100
68) m/p-Xylenes	10.287	106	412932	104.809 ug/l		100
69) o-Xylene	10.622	106	202291	53.084 ug/l		100
70) Styrene	10.640	104	350654	52.515 ug/l		100
71) Bromoform	10.781	173	84485	53.447 ug/l	#	100
73) Isopropylbenzene	10.945	105	516891	53.227 ug/l		100
74) N-amyl acetate	10.829	43	237846	53.710 ug/l		100
75) 1,1,2,2-Tetrachloroethane	11.195	83	156454	53.251 ug/l		100
76) 1,2,3-Trichloropropane	11.220	75	144074m	54.322 ug/l		
77) Bromobenzene	11.183	156	126174	52.754 ug/l		100
78) n-propylbenzene	11.287	91	612035	53.315 ug/l		100
79) 2-Chlorotoluene	11.348	91	372397	52.965 ug/l		100
80) 1,3,5-Trimethylbenzene	11.433	105	426989	53.518 ug/l		100
81) trans-1,4-Dichloro-2-b...	11.000	75	52927	52.190 ug/l		100
82) 4-Chlorotoluene	11.439	91	438502	52.806 ug/l		100
83) tert-Butylbenzene	11.695	119	429107	52.539 ug/l		100
84) 1,2,4-Trimethylbenzene	11.732	105	427073	52.798 ug/l		100
85) sec-Butylbenzene	11.872	105	514442	53.029 ug/l		100
86) p-Isopropyltoluene	11.994	119	436704	53.172 ug/l		100
87) 1,3-Dichlorobenzene	11.951	146	232038	52.232 ug/l		100
88) 1,4-Dichlorobenzene	12.024	146	233975	51.316 ug/l		100
89) n-Butylbenzene	12.311	91	400997	52.766 ug/l		100
90) Hexachloroethane	12.518	117	75800	52.567 ug/l		100
91) 1,2-Dichlorobenzene	12.317	146	222993	52.688 ug/l		100
92) 1,2-Dibromo-3-Chloropr...	12.921	75	32451	54.554 ug/l		100
93) 1,2,4-Trichlorobenzene	13.567	180	147670	53.685 ug/l		100
94) Hexachlorobutadiene	13.707	225	49061	52.510 ug/l		100
95) Naphthalene	13.756	128	452013	53.966 ug/l		100
96) 1,2,3-Trichlorobenzene	13.939	180	138978	54.316 ug/l		100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047588.D
Acq On : 16 Sep 2025 10:58
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

Quant Time: Sep 17 06:13:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:04:35 2025
Response via : Initial Calibration

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

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

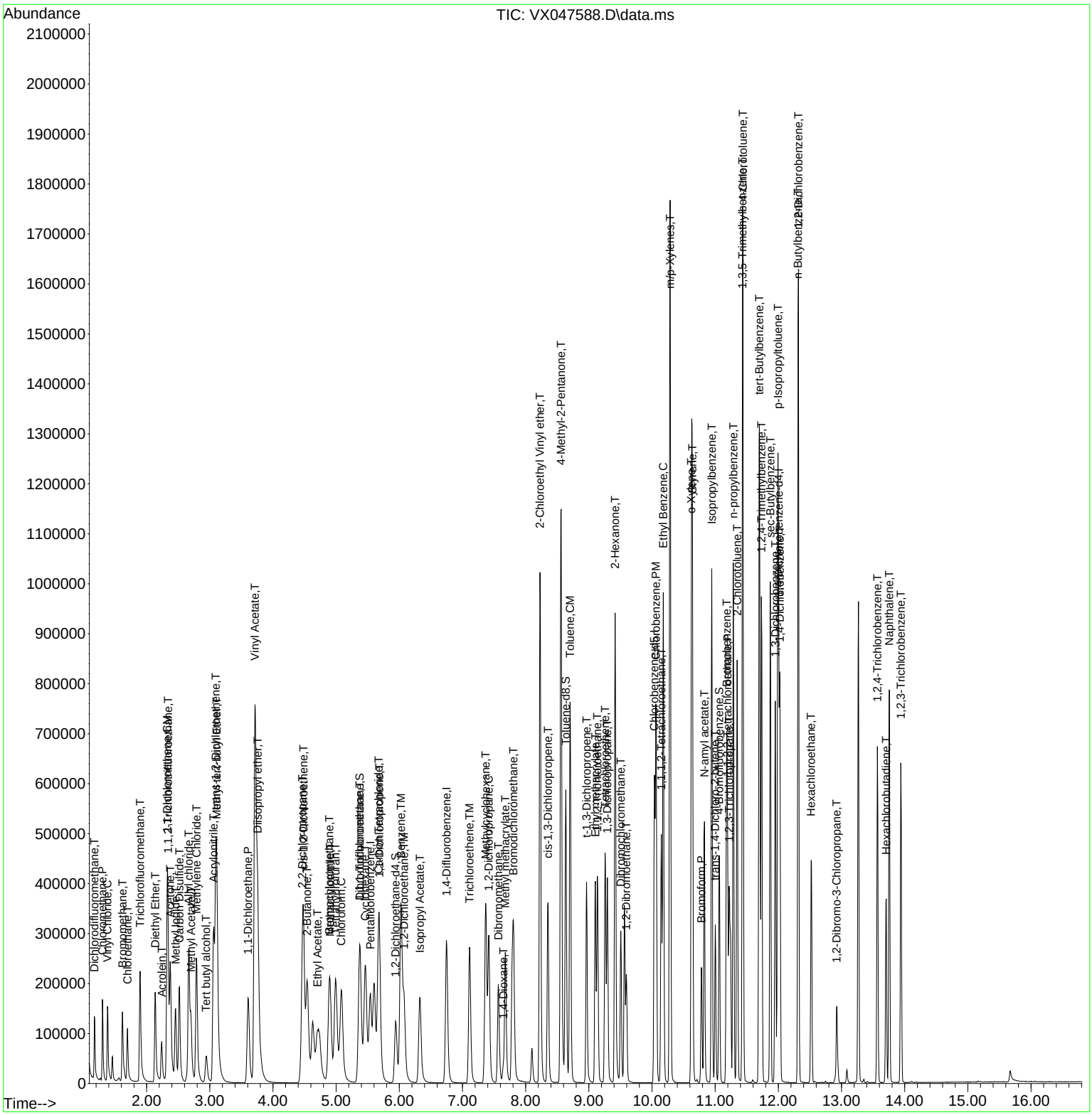
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047588.D
Acq On : 16 Sep 2025 10:58
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

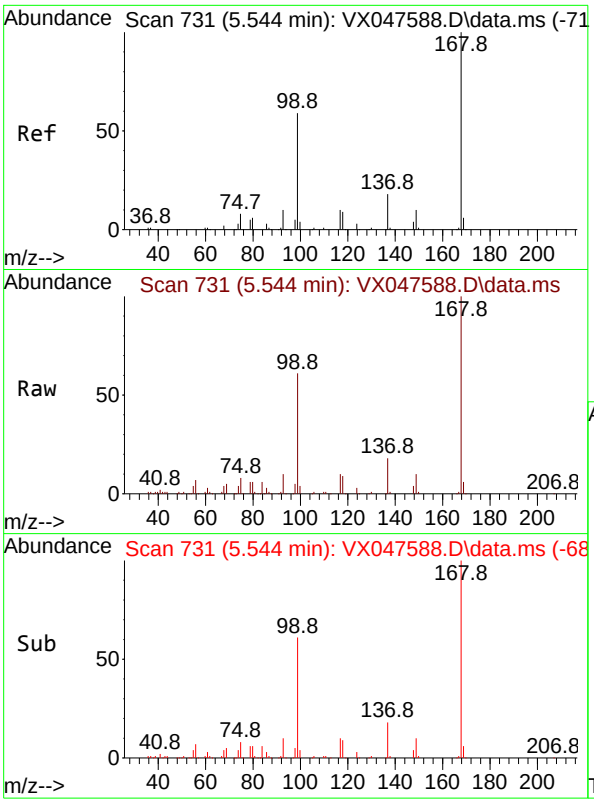
Quant Time: Sep 17 06:13:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:04:35 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

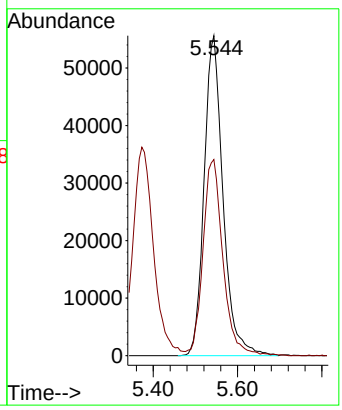




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:168 Resp: 17340

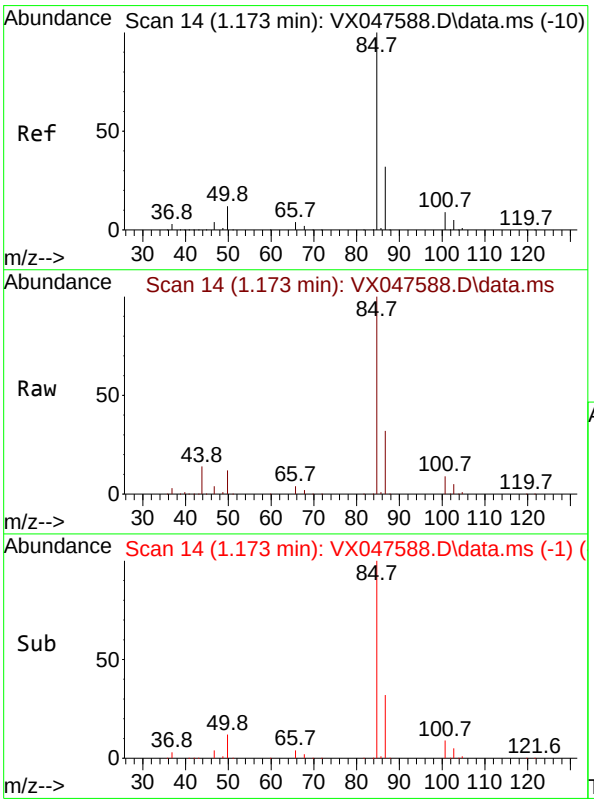
Ion	Ratio	Lower	Upper
168	100		
99	61.0	48.8	73.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

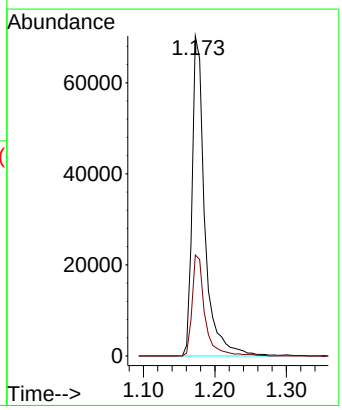
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

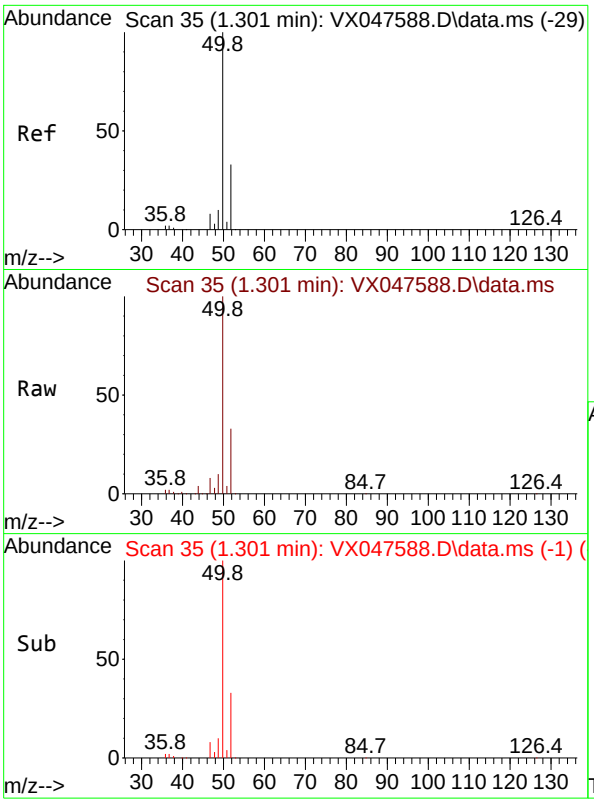


#2
Dichlorodifluoromethane
Concen: 48.352 ug/l
RT: 1.173 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 85 Resp: 86824

Ion	Ratio	Lower	Upper
85	100		
87	31.5	15.8	47.3

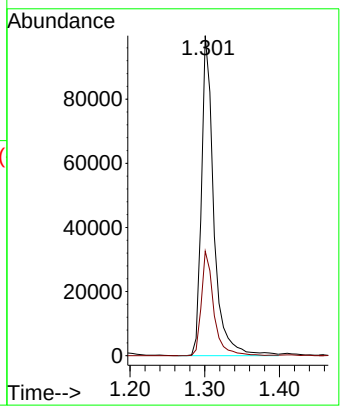




#3
Chloromethane
Concen: 48.594 ug/l
RT: 1.301 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 50 Resp: 11468

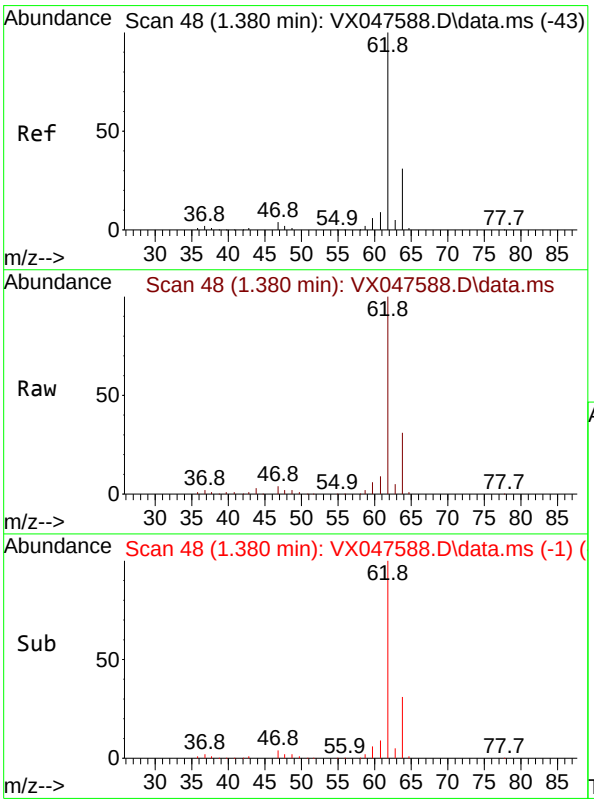
Ion	Ratio	Lower	Upper
50	100		
52	32.6	26.1	39.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

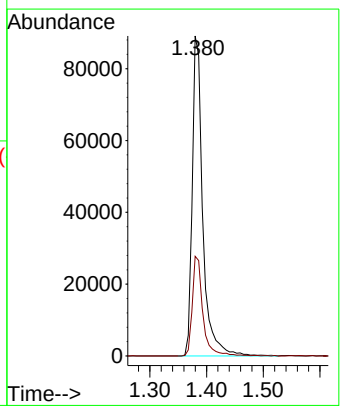
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

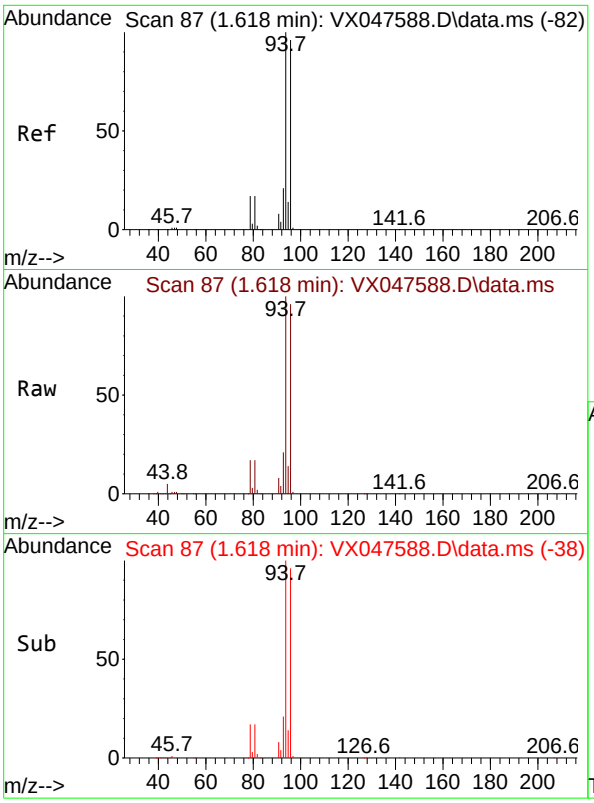


#4
Vinyl Chloride
Concen: 49.635 ug/l
RT: 1.380 min Scan# 48
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 62 Resp: 114666

Ion	Ratio	Lower	Upper
62	100		
64	31.1	24.9	37.3

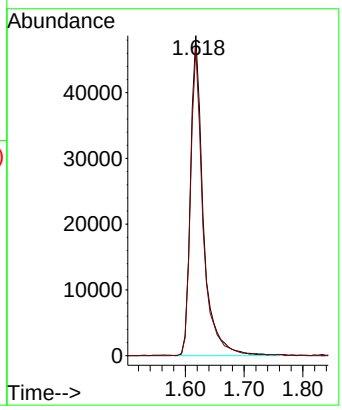




#5
Bromomethane
Concen: 50.216 ug/l
RT: 1.618 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 94 Resp: 7356

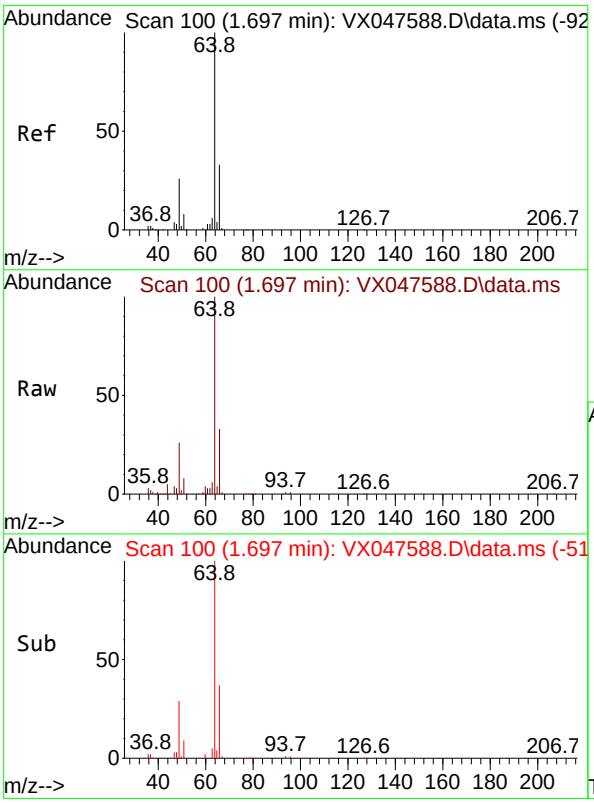
Ion	Ratio	Lower	Upper
94	100		
96	95.8	76.6	115.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

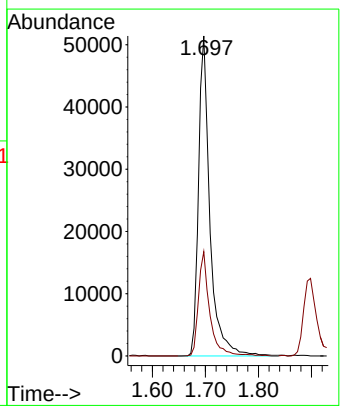
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

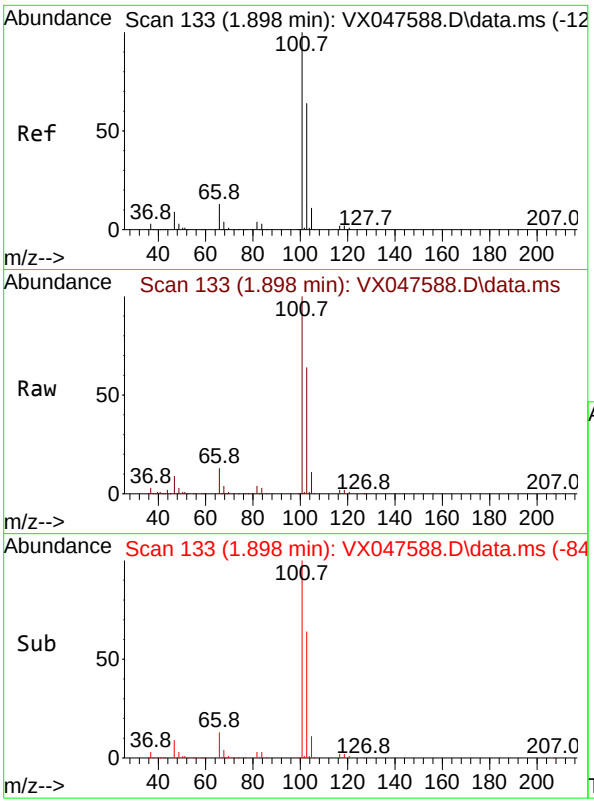


#6
Chloroethane
Concen: 49.698 ug/l
RT: 1.697 min Scan# 100
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 64 Resp: 76736

Ion	Ratio	Lower	Upper
64	100		
66	32.6	26.1	39.1

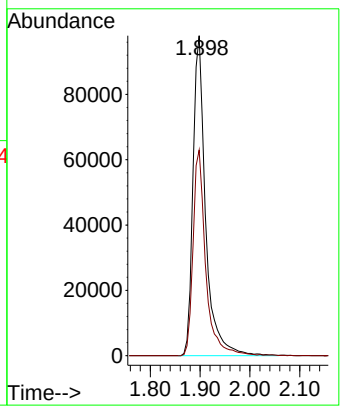




#7
Trichlorofluoromethane
Concen: 50.307 ug/l
RT: 1.898 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:101 Resp: 17256

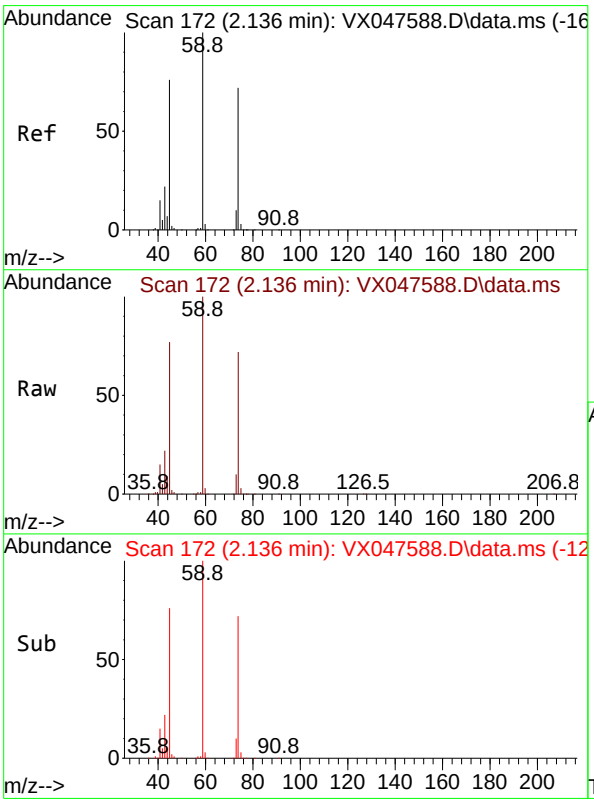
Ion	Ratio	Lower	Upper
101	100		
103	64.3	51.4	77.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

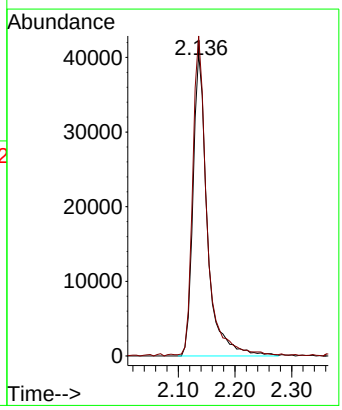
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

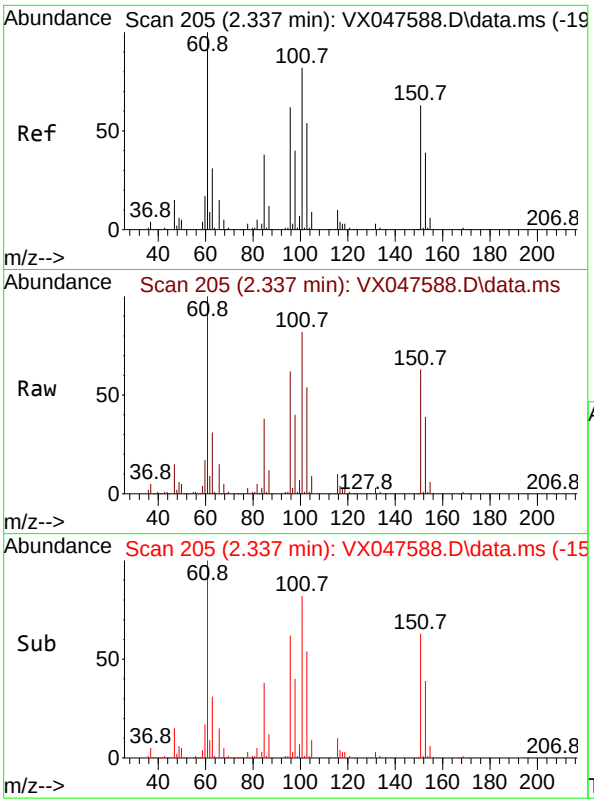


#8
Diethyl Ether
Concen: 50.510 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 74 Resp: 70874

Ion	Ratio	Lower	Upper
74	100		
45	104.5	52.3	156.8





#9
1,1,2-Trichlorotrifluoroethane
Concen: 50.445 ug/l
RT: 2.337 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

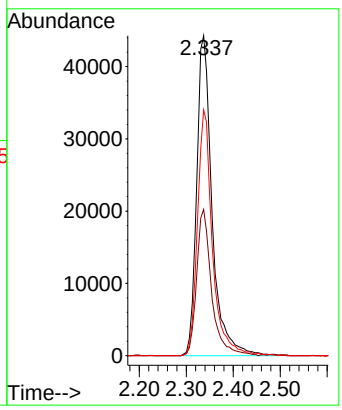
Tgt Ion:101 Resp: 10117

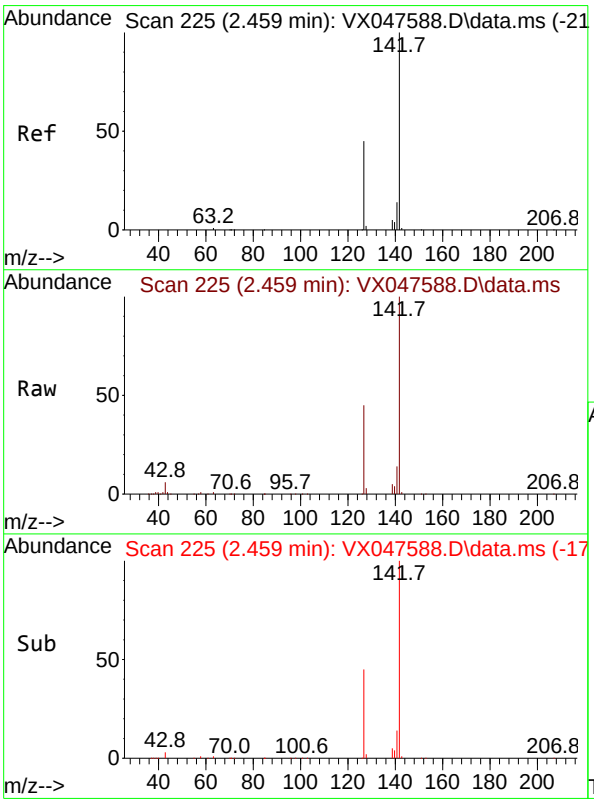
Ion	Ratio	Lower	Upper
101	100		
85	44.4	35.5	53.3
151	74.2	59.4	89.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

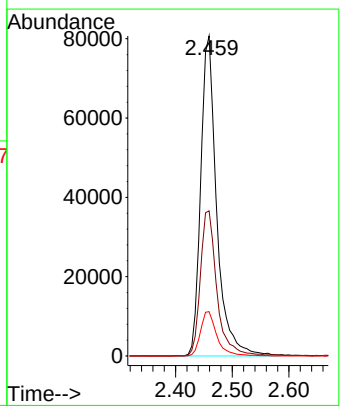


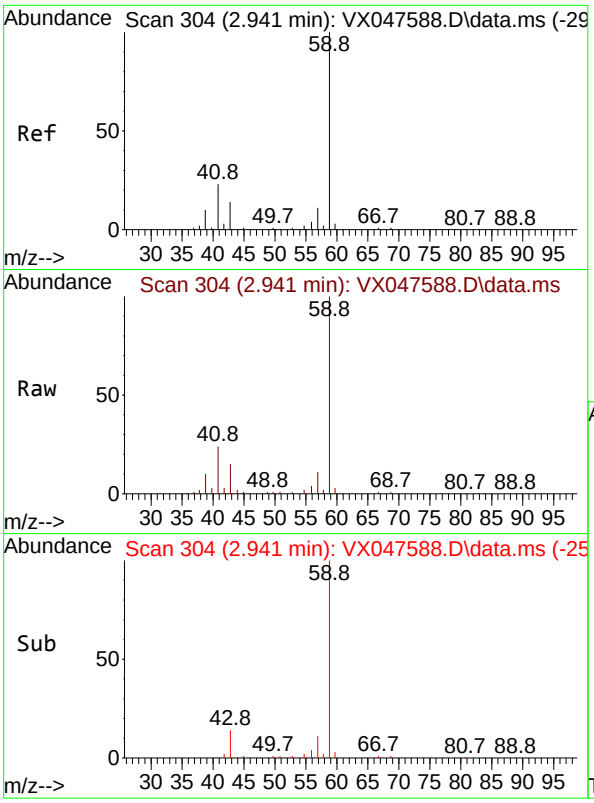


#10
Methyl Iodide
Concen: 50.525 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:142 Resp: 158046

Ion	Ratio	Lower	Upper
142	100		
127	46.5	37.2	55.8
141	14.2	11.4	17.0

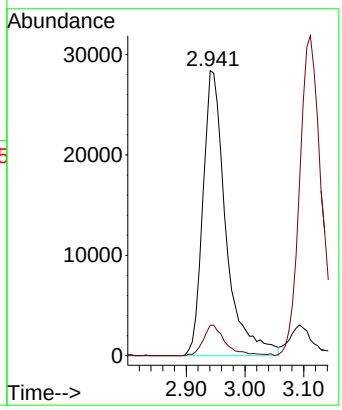




#11
Tert butyl alcohol
Concen: 251.232 ug/l
RT: 2.941 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 59 Resp: 7723

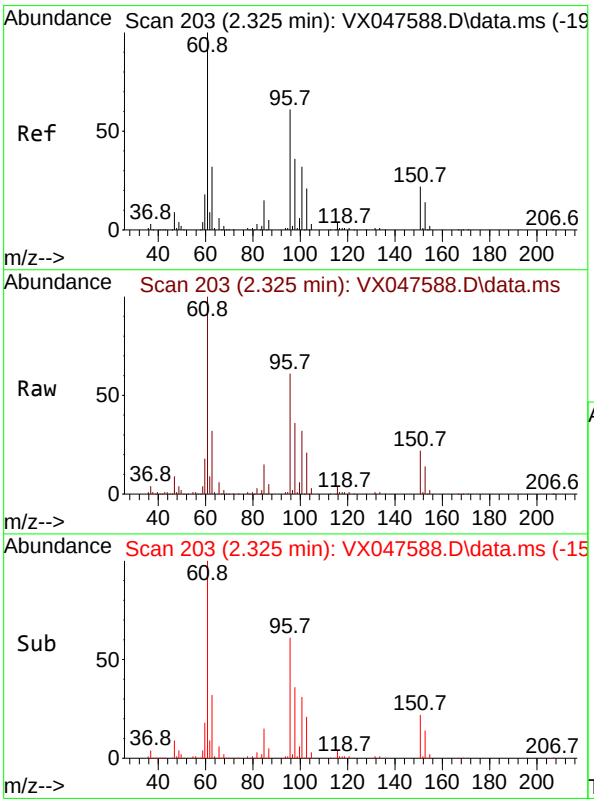
Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.3	12.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

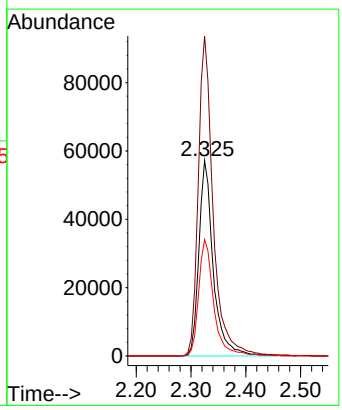
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

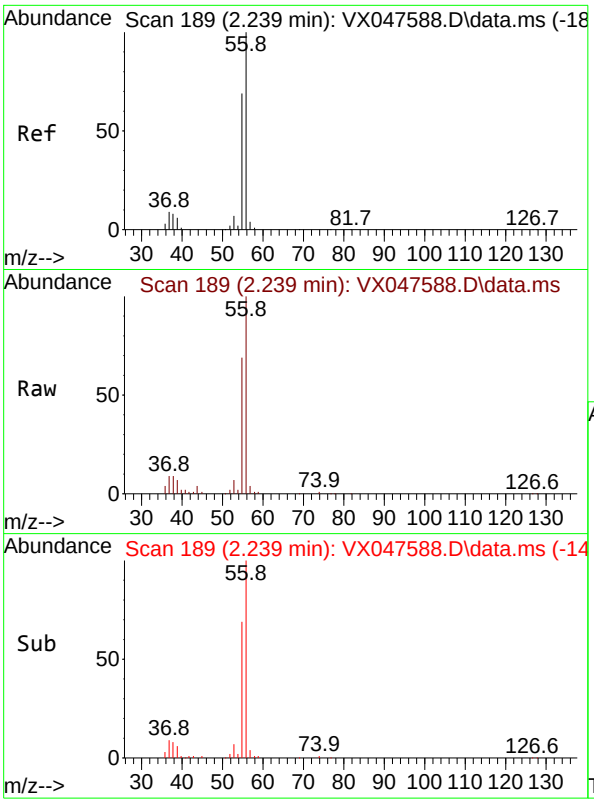


#12
1,1-Dichloroethene
Concen: 50.831 ug/l
RT: 2.325 min Scan# 203
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 96 Resp: 104724

Ion	Ratio	Lower	Upper
96	100		
61	163.8	131.0	196.6
98	59.6	47.7	71.5

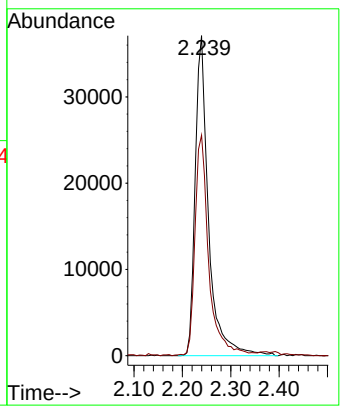




#13
Acrolein
Concen: 249.645 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 56 Resp: 7072

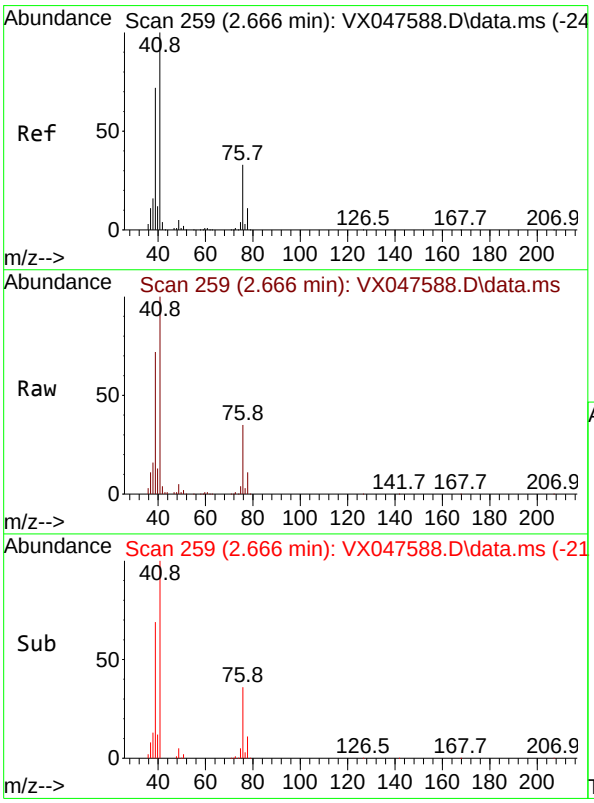
Ion	Ratio	Lower	Upper
56	100		
55	71.5	57.2	85.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

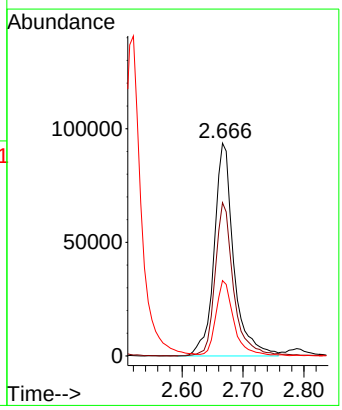
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

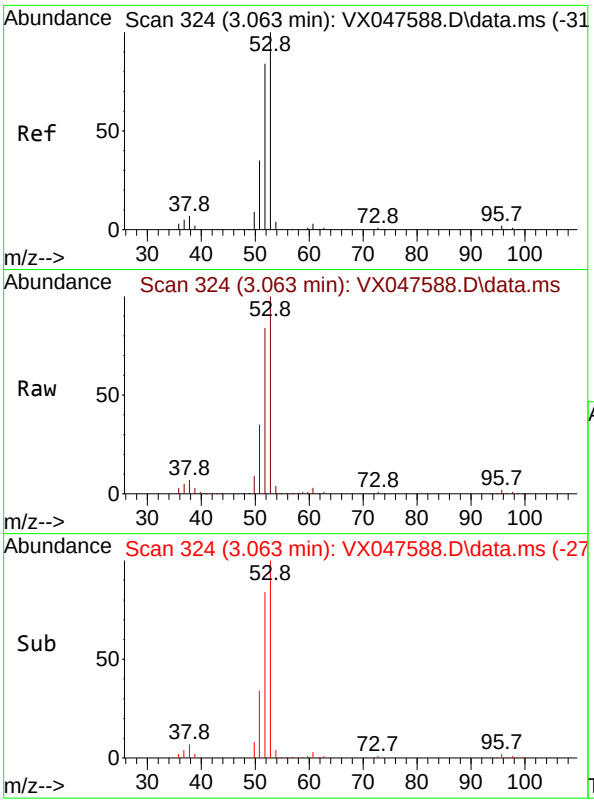


#14
Allyl chloride
Concen: 49.396 ug/l
RT: 2.666 min Scan# 259
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 41 Resp: 210001

Ion	Ratio	Lower	Upper
41	100		
39	68.4	54.7	82.1
76	32.1	25.7	38.5

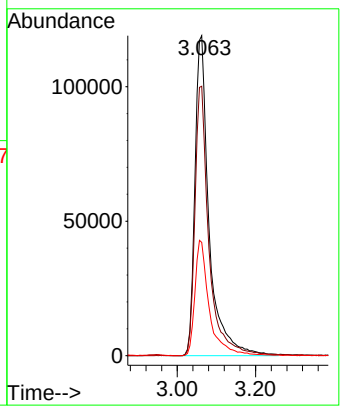




#15
Acrylonitrile
Concen: 264.027 ug/l
RT: 3.063 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 53 Resp: 30064

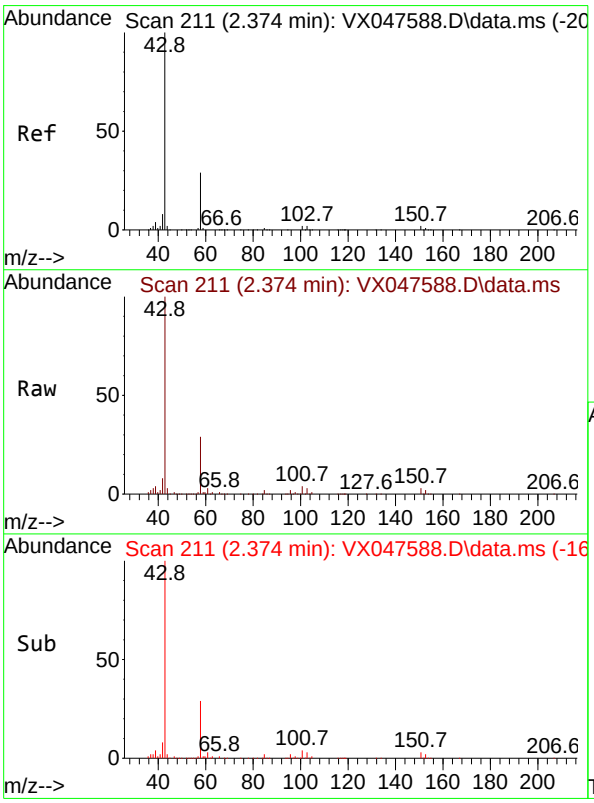
Ion	Ratio	Lower	Upper
53	100		
52	83.0	66.4	99.6
51	36.9	29.5	44.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

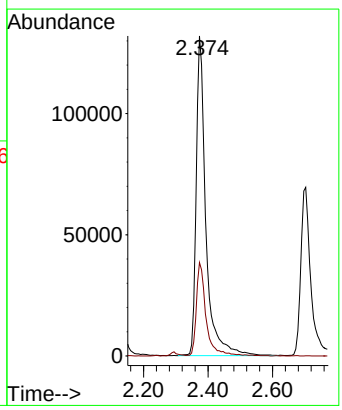
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

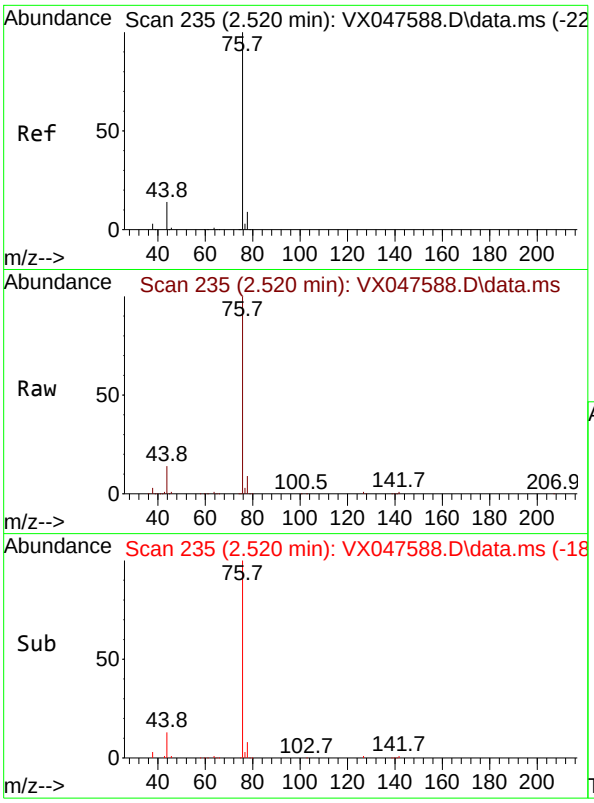


#16
Acetone
Concen: 229.193 ug/l
RT: 2.374 min Scan# 211
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 43 Resp: 275065

Ion	Ratio	Lower	Upper
43	100		
58	29.2	23.4	35.0

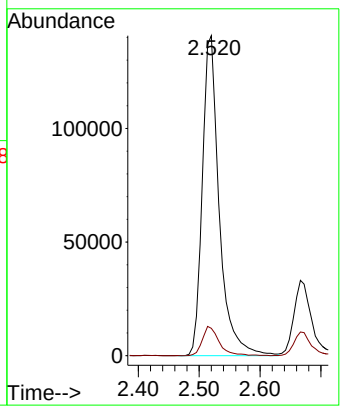




#17
Carbon Disulfide
Concen: 48.133 ug/l
RT: 2.520 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 76 Resp: 27148

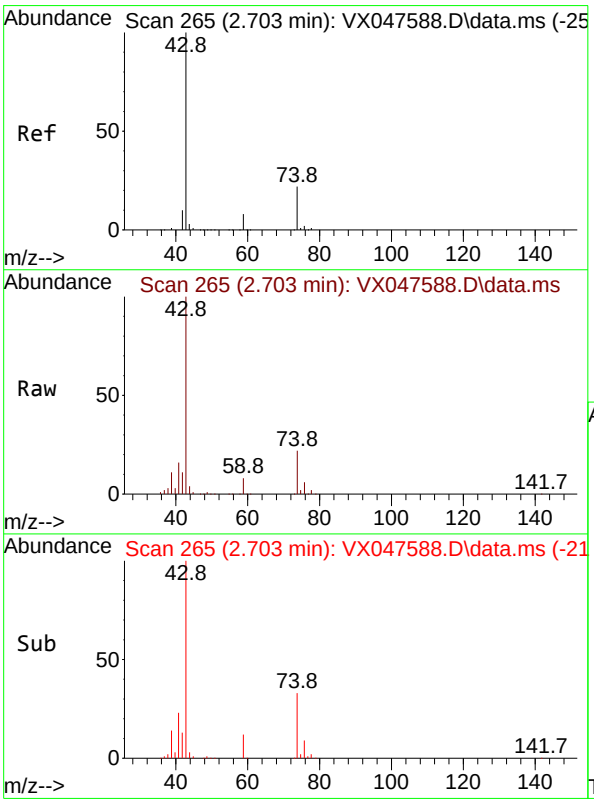
Ion	Ratio	Lower	Upper
76	100		
78	8.5	6.8	10.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

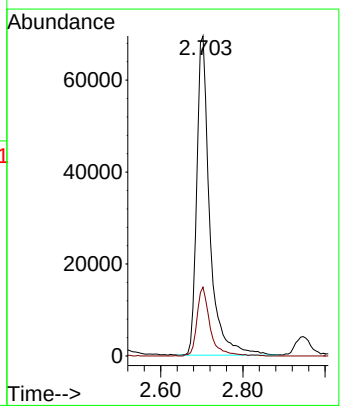
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

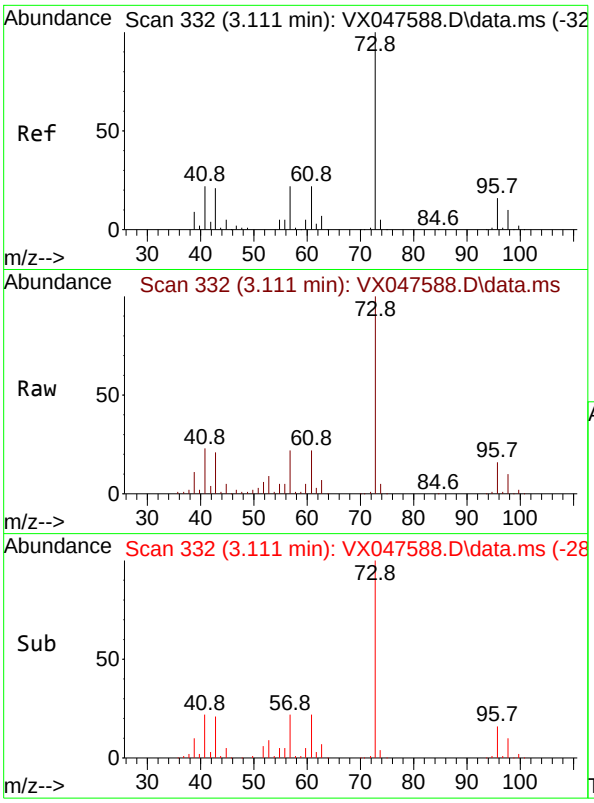


#18
Methyl Acetate
Concen: 56.897 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 43 Resp: 151968

Ion	Ratio	Lower	Upper
43	100		
74	21.8	17.4	26.2

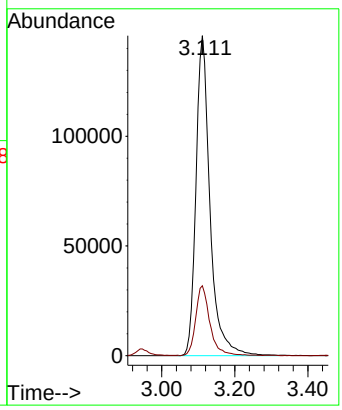




#19
Methyl tert-butyl Ether
Concen: 51.804 ug/l
RT: 3.111 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 73 Resp: 38960

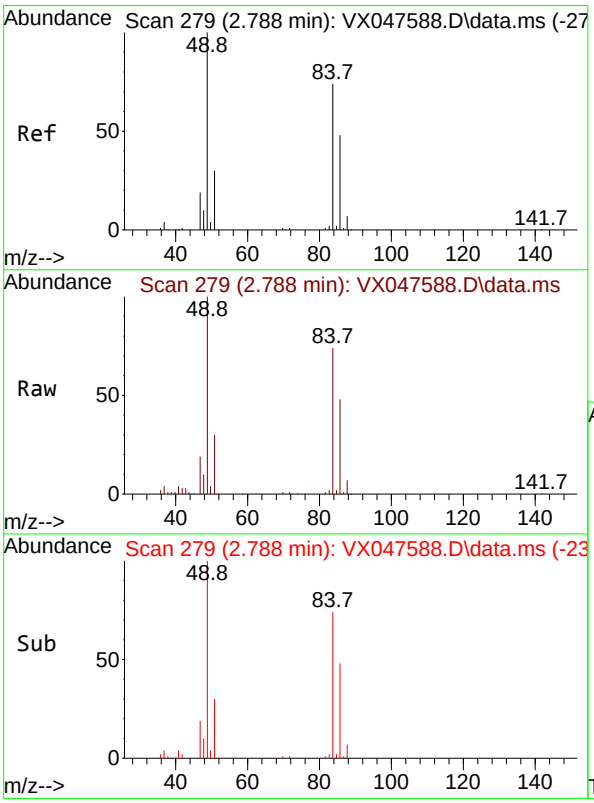
Ion	Ratio	Lower	Upper
73	100		
57	21.8	17.4	26.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

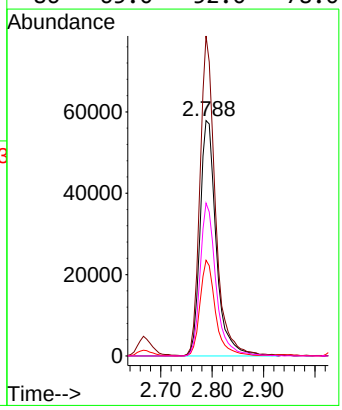
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

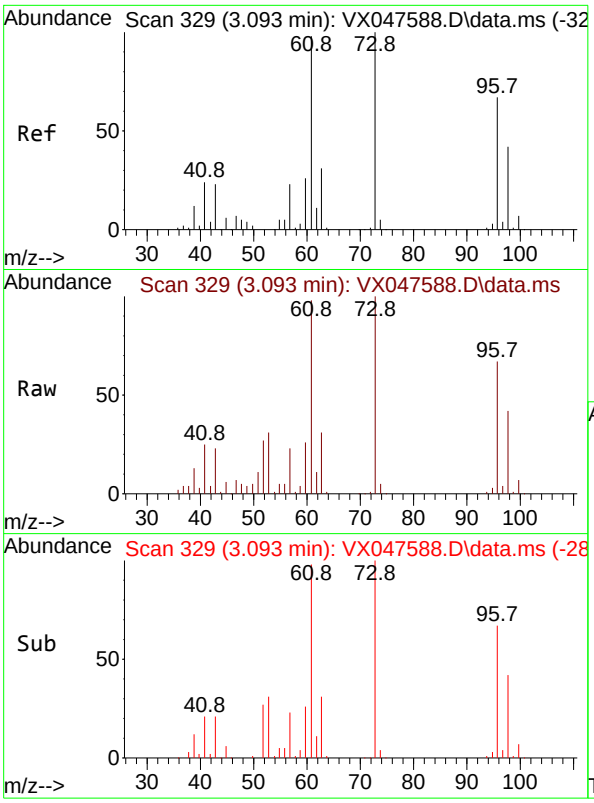


#20
Methylene Chloride
Concen: 49.798 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 84 Resp: 126506

Ion	Ratio	Lower	Upper
84	100		
49	135.7	108.6	162.8
51	40.7	32.6	48.8
86	65.0	52.0	78.0

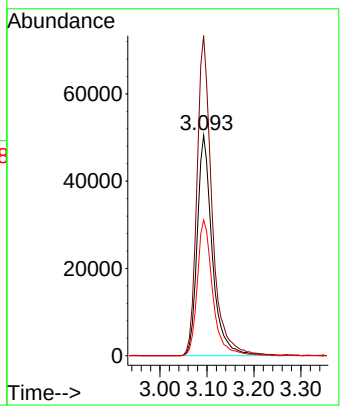




#21
trans-1,2-Dichloroethene
Concen: 50.743 ug/l
RT: 3.093 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 96 Resp: 11255

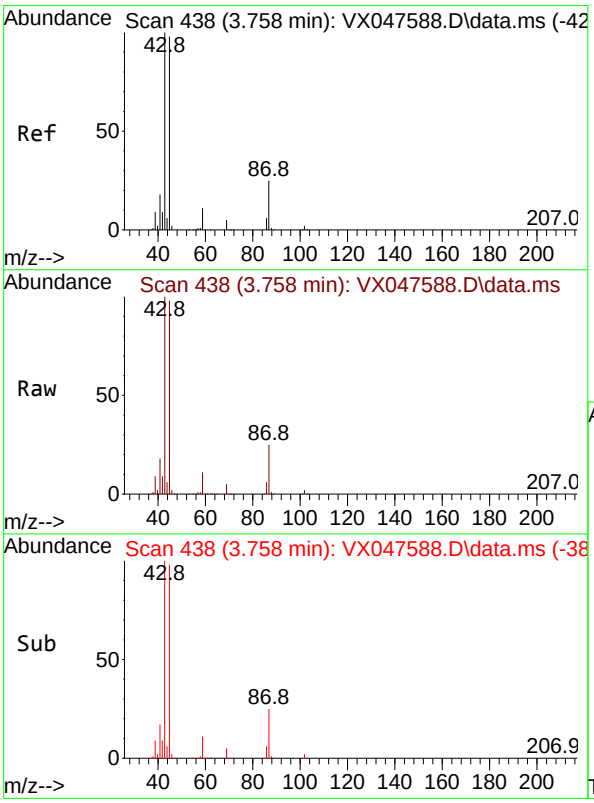
Ion	Ratio	Lower	Upper
96	100		
61	145.2	116.2	174.2
98	61.6	49.3	73.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

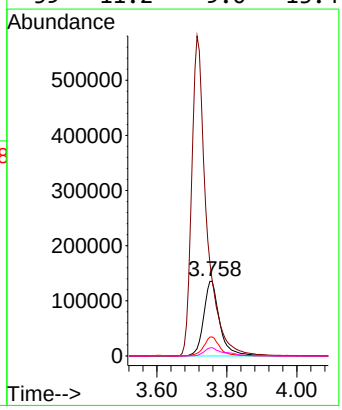
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

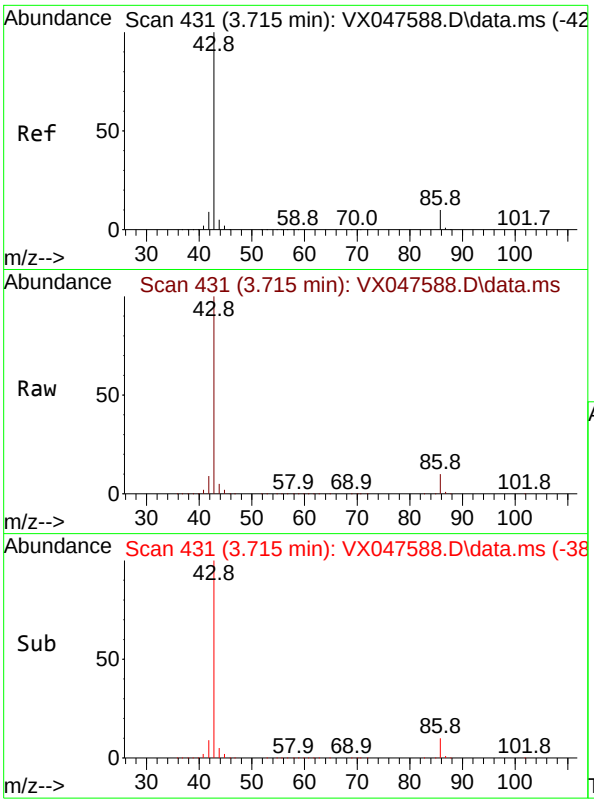


#22
Diisopropyl ether
Concen: 52.131 ug/l
RT: 3.758 min Scan# 438
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 45 Resp: 429524

Ion	Ratio	Lower	Upper
45	100		
43	101.2	81.0	121.4
87	25.4	20.3	30.5
59	11.2	9.0	13.4

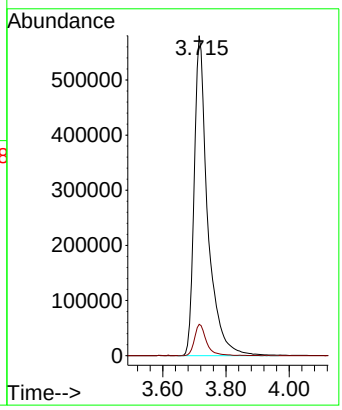




#23
Vinyl Acetate
Concen: 261.852 ug/l
RT: 3.715 min Scan# 4
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 43 Resp: 172673

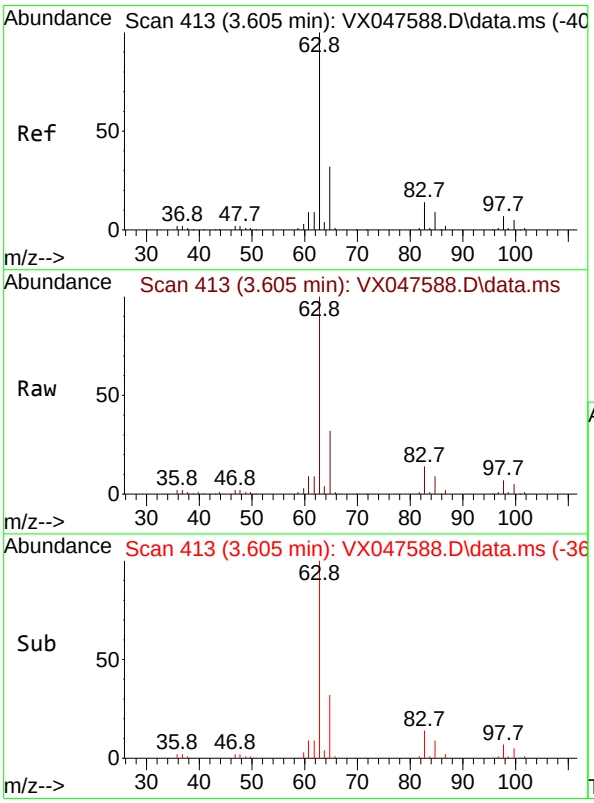
Ion	Ratio	Lower	Upper
43	100		
86	9.8	7.8	11.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

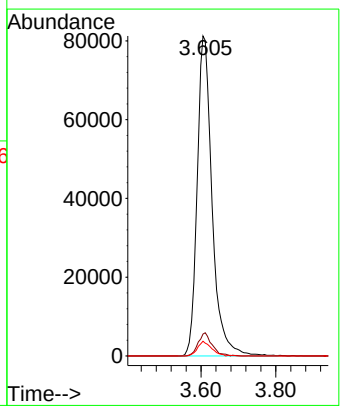
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

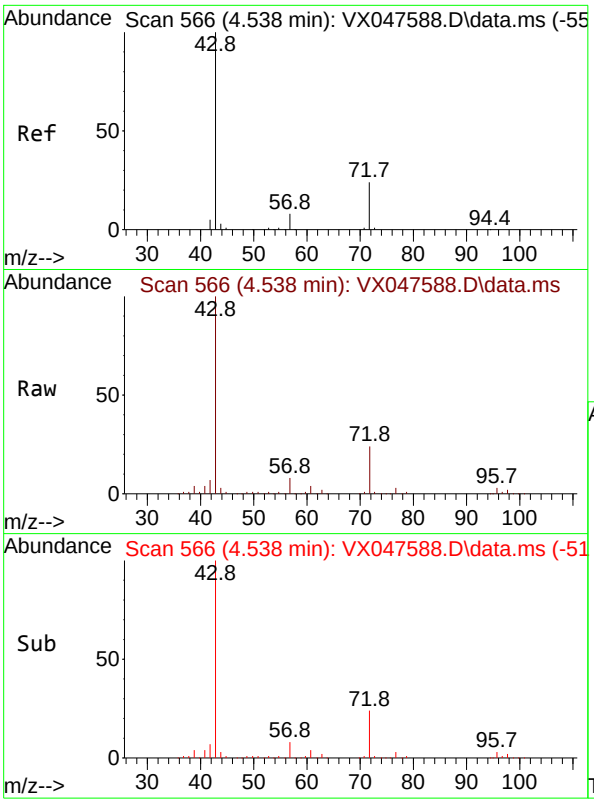


#24
1,1-Dichloroethane
Concen: 51.338 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 63 Resp: 224824

Ion	Ratio	Lower	Upper
63	100		
98	7.5	3.8	11.2
100	4.6	2.3	6.9





#25
2-Butanone
Concen: 254.060 ug/l
RT: 4.538 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

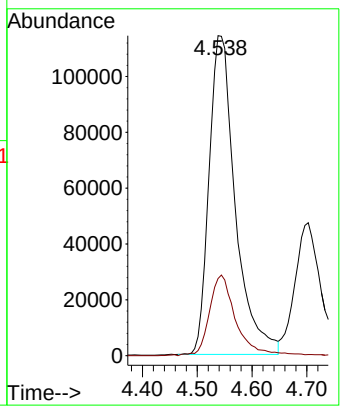
Tgt Ion: 43 Resp: 38033

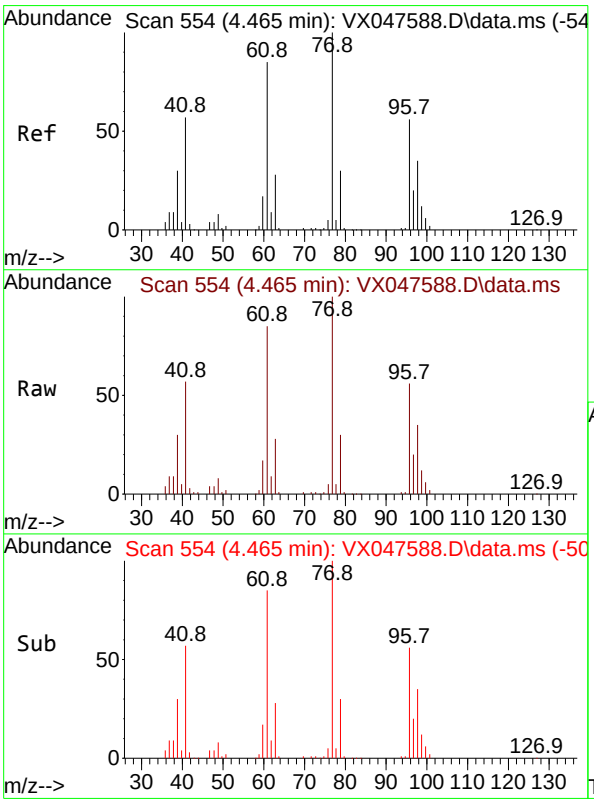
Ion	Ratio	Lower	Upper
43	100		
72	25.1	20.1	30.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

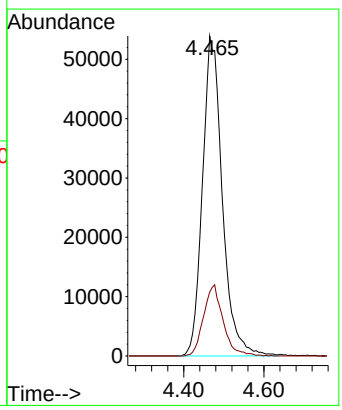


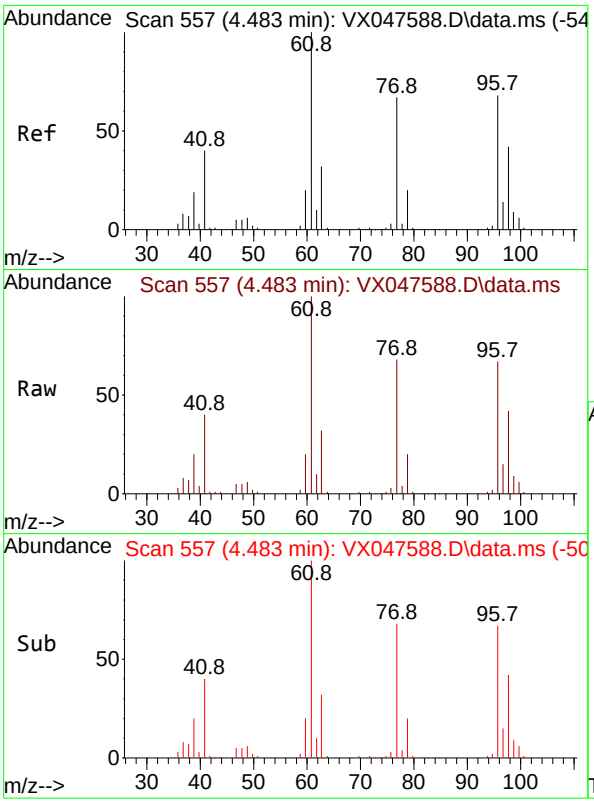


#26
2,2-Dichloropropane
Concen: 50.888 ug/l
RT: 4.465 min Scan# 554
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 77 Resp: 185247

Ion	Ratio	Lower	Upper
77	100		
97	21.8	10.9	32.7

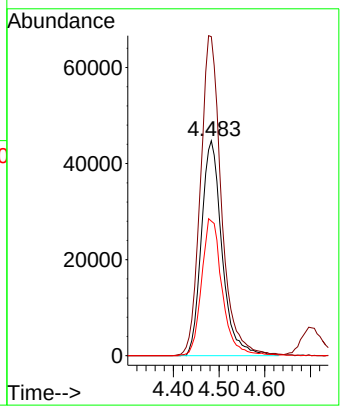




#27
cis-1,2-Dichloroethene
Concen: 51.576 ug/l
RT: 4.483 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 96 Resp: 14010

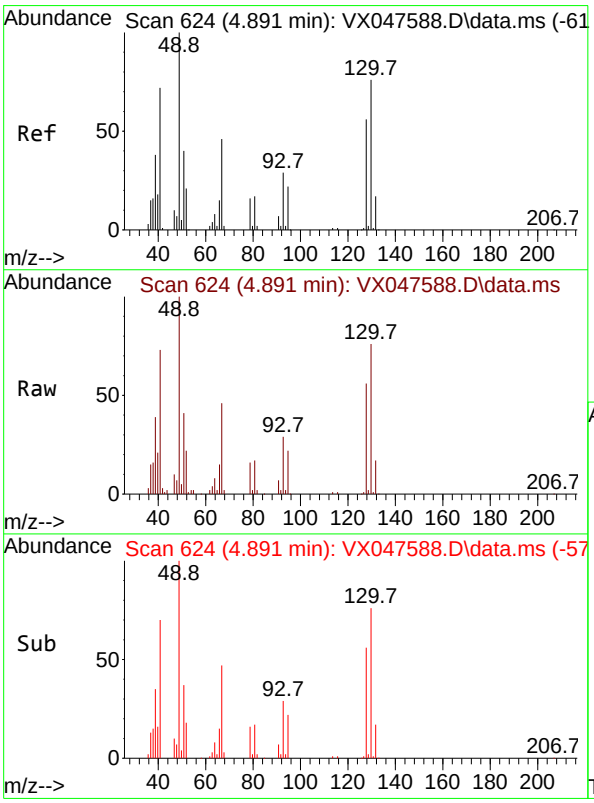
Ion	Ratio	Lower	Upper
96	100		
61	151.6	0.0	303.2
98	63.9	0.0	127.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

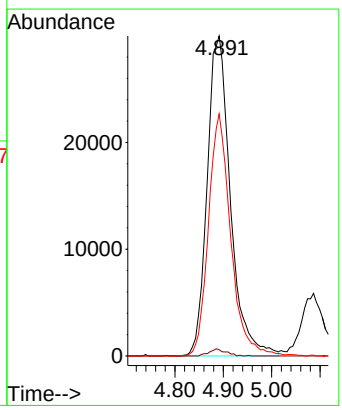
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

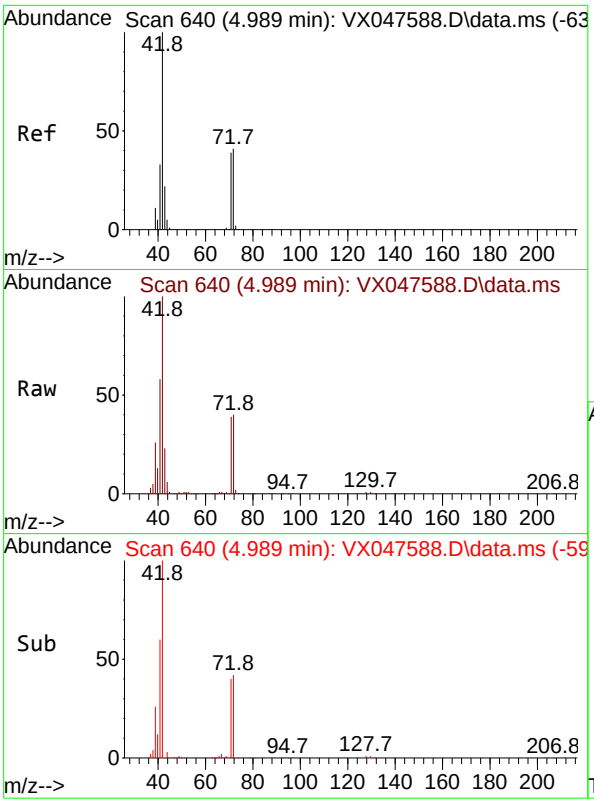


#28
Bromochloromethane
Concen: 52.301 ug/l
RT: 4.891 min Scan# 624
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 49 Resp: 99991

Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	3.2
130	72.3	57.8	86.8

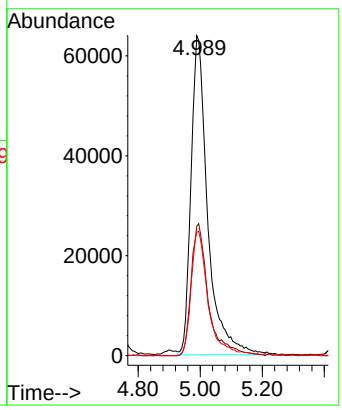




#29
Tetrahydrofuran
Concen: 265.026 ug/l
RT: 4.989 min Scan# 64
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 42 Resp: 23867

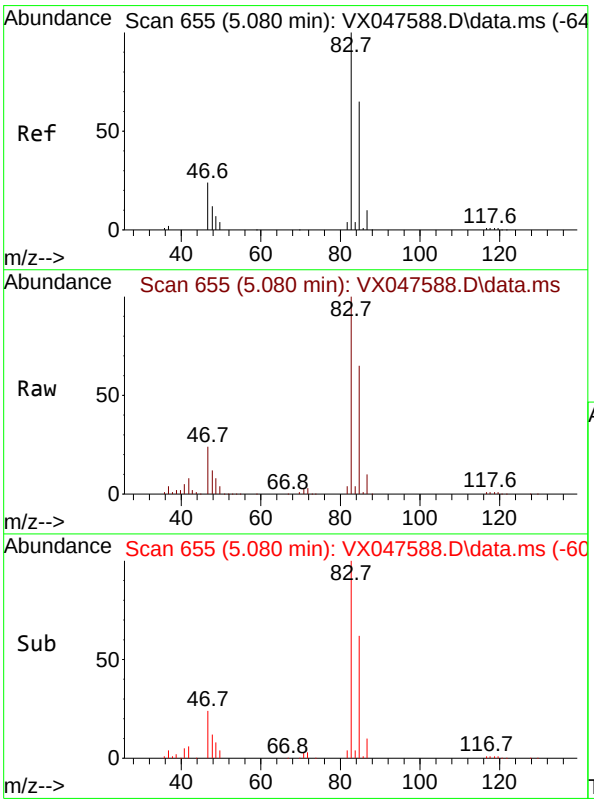
Ion	Ratio	Lower	Upper
42	100		
72	42.7	34.2	51.2
71	39.9	31.9	47.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

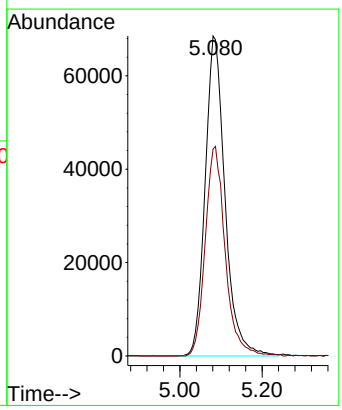
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

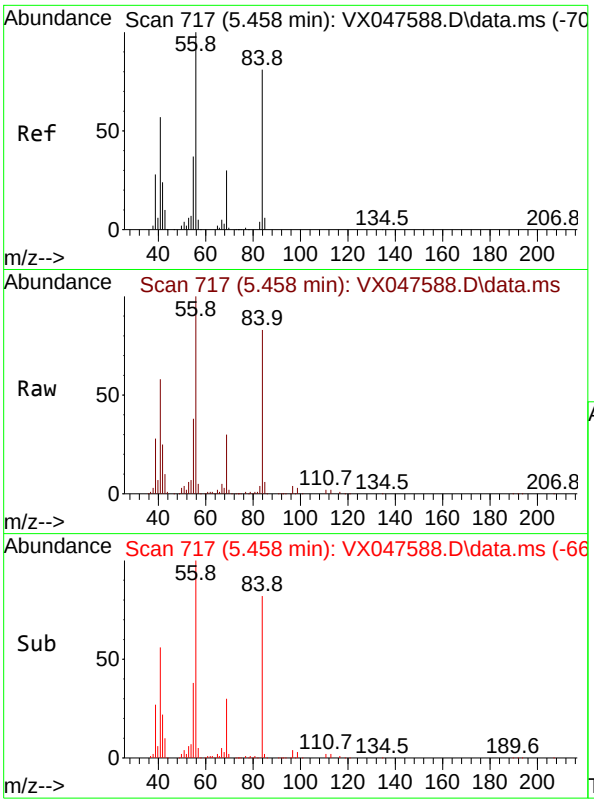


#30
Chloroform
Concen: 51.844 ug/l
RT: 5.080 min Scan# 655
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 83 Resp: 229430

Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.8	77.6

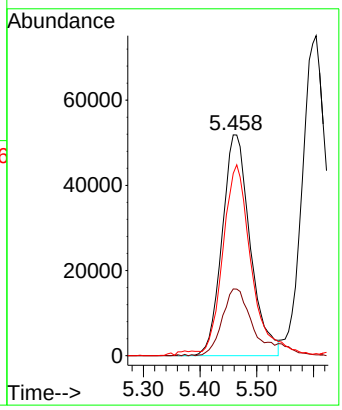




#31
Cyclohexane
Concen: 48.952 ug/l
RT: 5.458 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 56 Resp: 17854

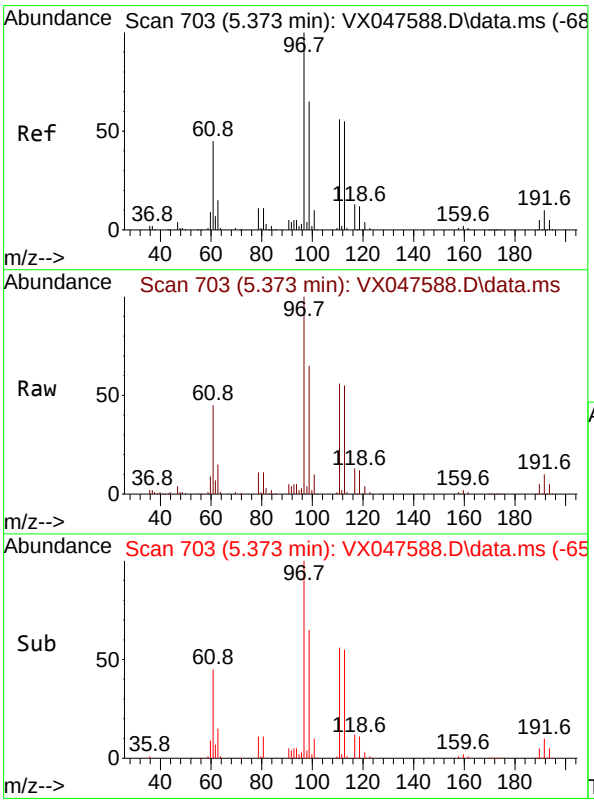
Ion	Ratio	Lower	Upper
56	100		
69	29.8	23.8	35.8
84	80.8	64.6	97.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

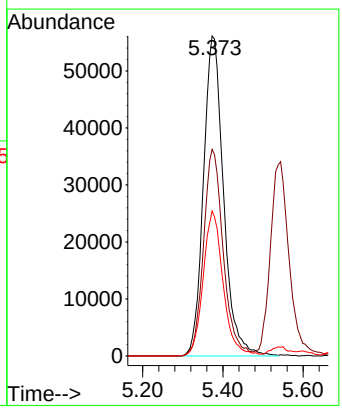
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

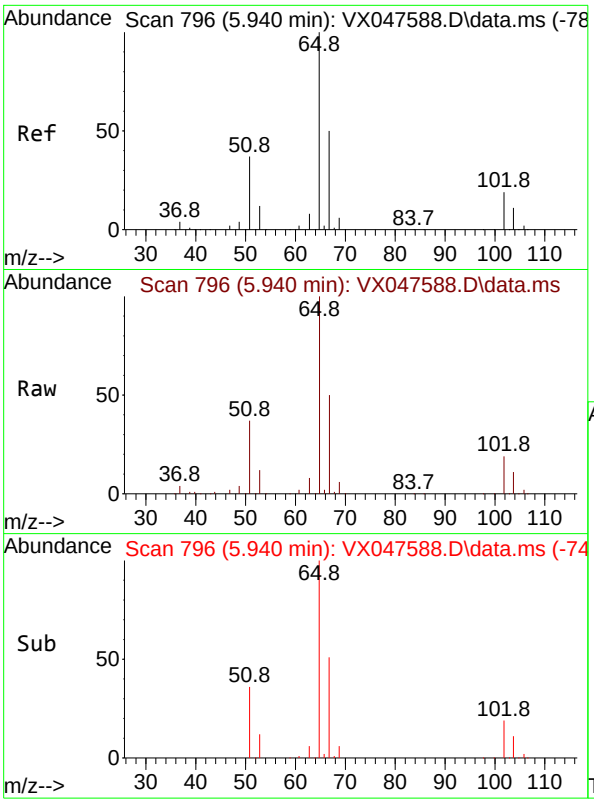


#32
1,1,1-Trichloroethane
Concen: 52.058 ug/l
RT: 5.373 min Scan# 703
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 97 Resp: 195407

Ion	Ratio	Lower	Upper
97	100		
99	63.3	50.6	76.0
61	44.8	35.8	53.8

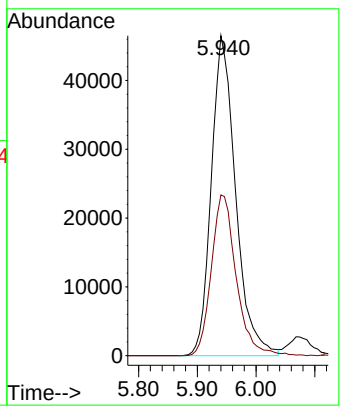




#33
1,2-Dichloroethane-d4
Concen: 48.404 ug/l
RT: 5.940 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 65 Resp: 13360

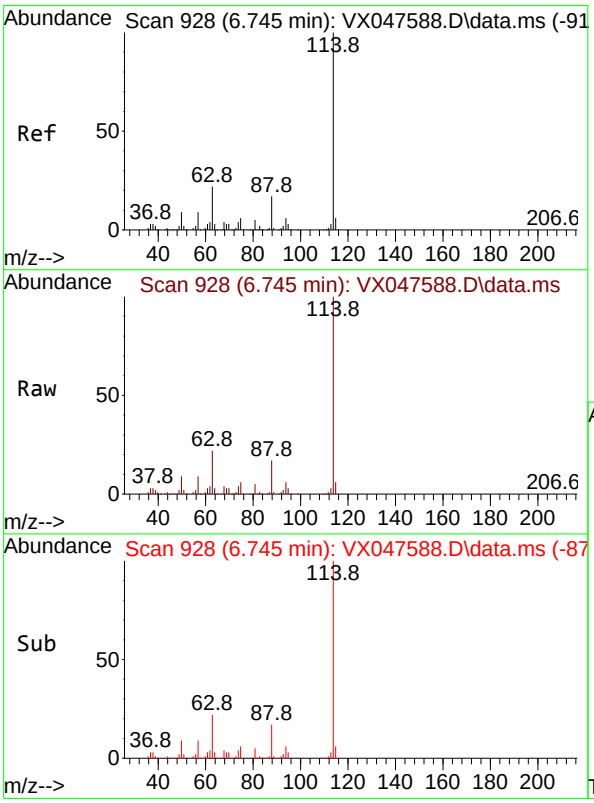
Ion	Ratio	Lower	Upper
65	100		
67	51.5	0.0	103.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

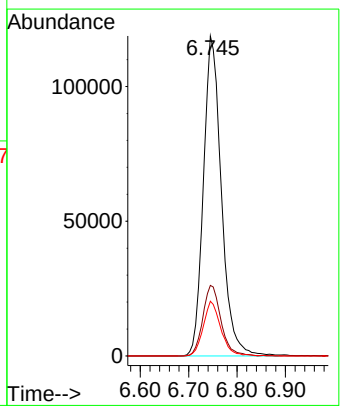
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

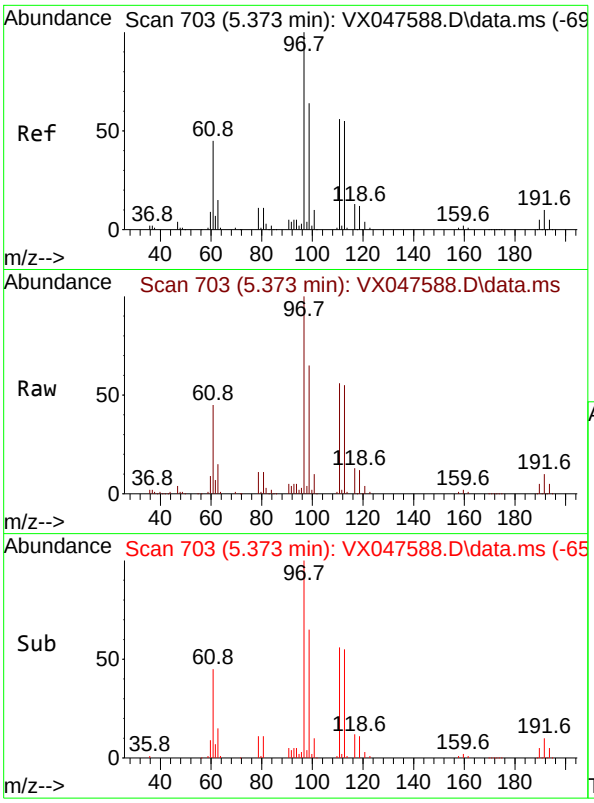


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 928
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:114 Resp: 307383

Ion	Ratio	Lower	Upper
114	100		
63	22.0	0.0	44.0
88	17.1	0.0	34.2

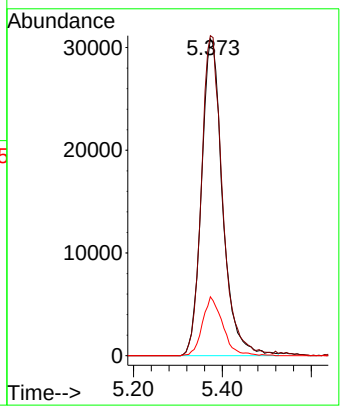




#35
Dibromofluoromethane
Concen: 49.298 ug/l
RT: 5.373 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:113 Resp: 10162

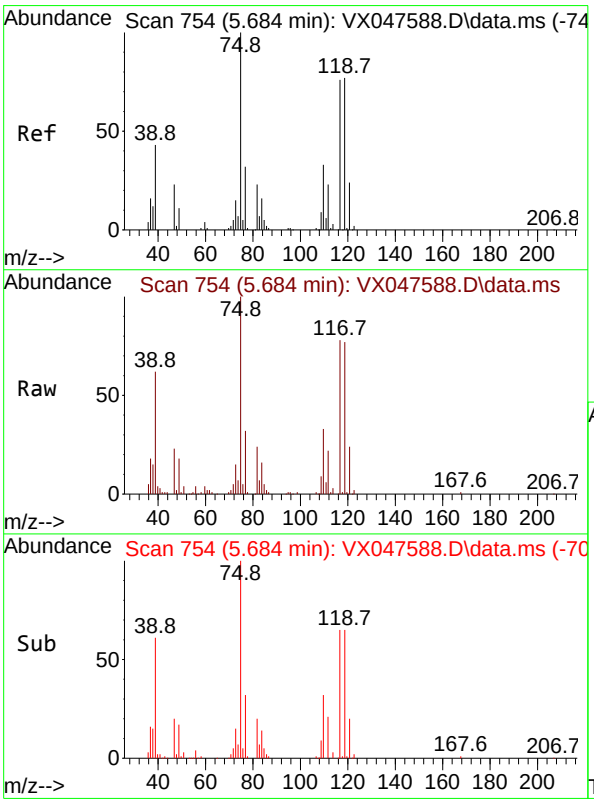
Ion	Ratio	Lower	Upper
113	100		
111	101.1	80.9	121.3
192	17.8	14.2	21.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

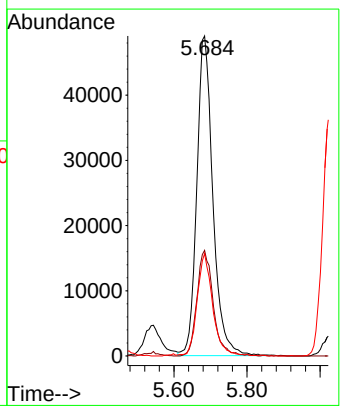
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

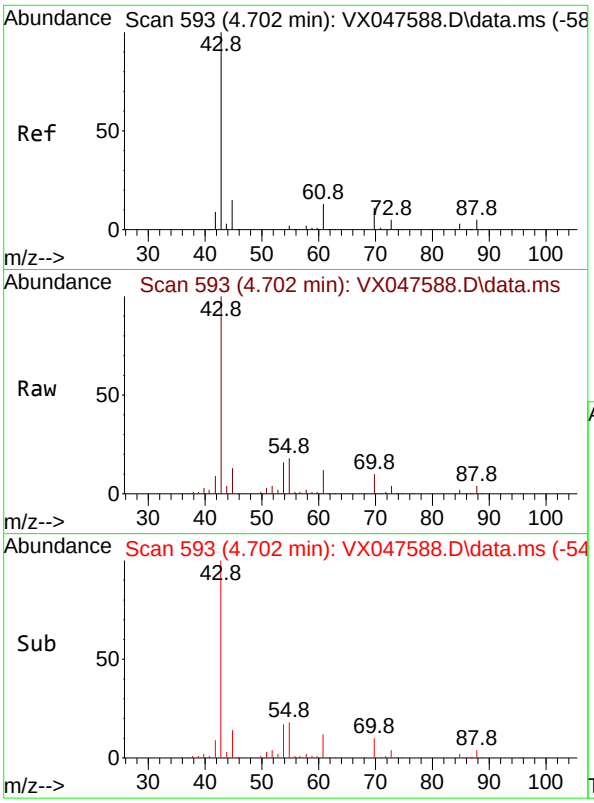


#36
1,1-Dichloropropene
Concen: 49.729 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 75 Resp: 149800

Ion	Ratio	Lower	Upper
75	100		
110	33.4	16.7	50.1
77	30.4	24.3	36.5





#37
Ethyl Acetate
Concen: 50.687 ug/l
RT: 4.702 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

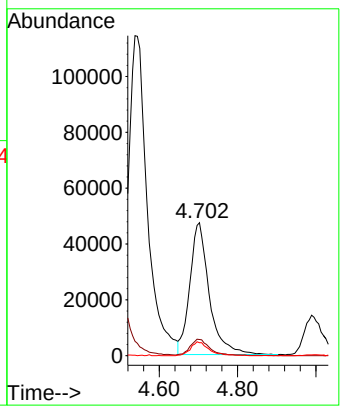
Tgt Ion: 43 Resp: 16348

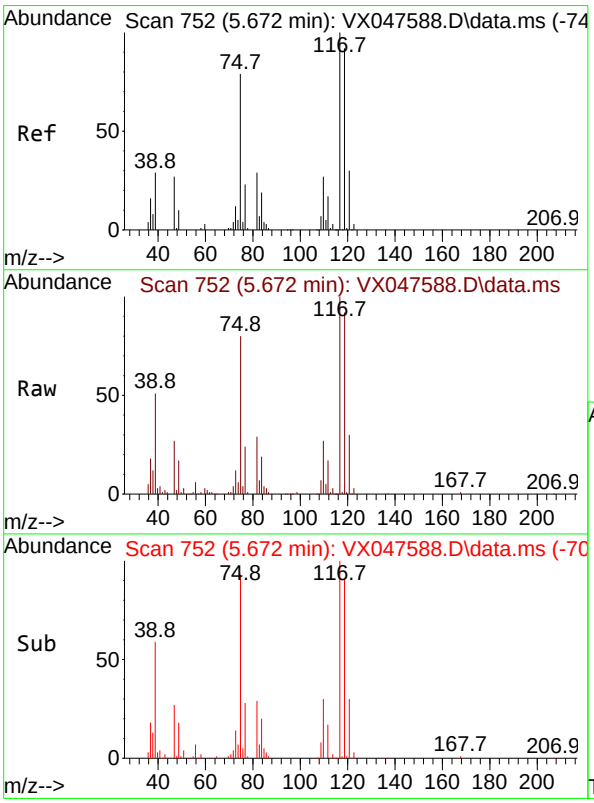
Ion	Ratio	Lower	Upper
43	100		
61	12.3	9.8	14.8
70	9.9	7.9	11.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

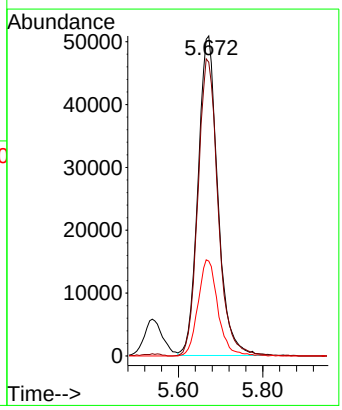


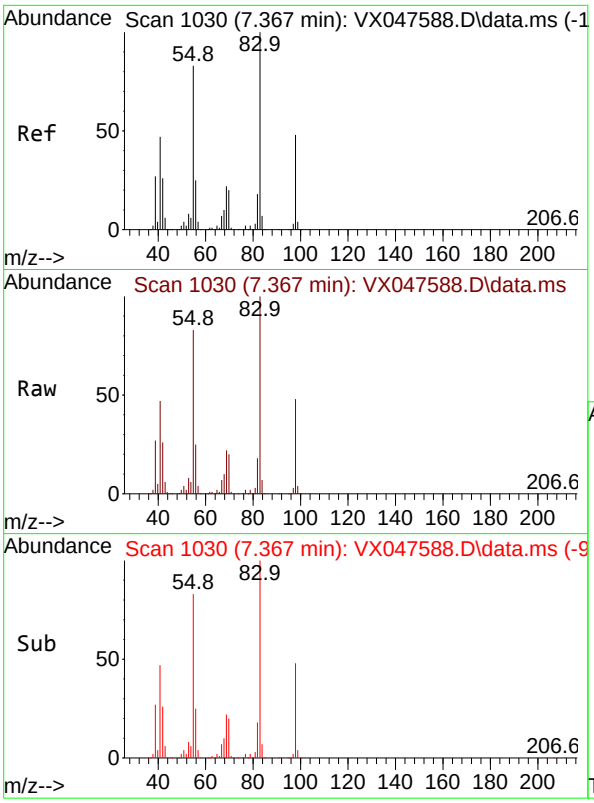


#38
Carbon Tetrachloride
Concen: 50.637 ug/l
RT: 5.672 min Scan# 752
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:117 Resp: 165730

Ion	Ratio	Lower	Upper
117	100		
119	91.8	73.4	110.2
121	29.7	23.8	35.6

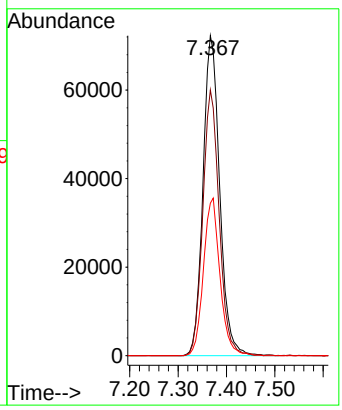




#39
Methylcyclohexane
Concen: 50.773 ug/l
RT: 7.367 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 83 Resp: 17361

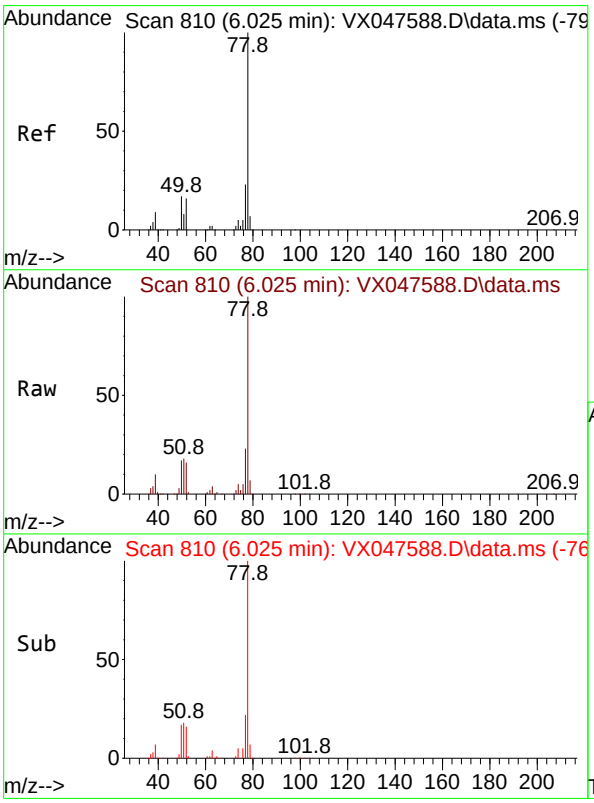
Ion	Ratio	Lower	Upper
83	100		
55	83.0	66.4	99.6
98	47.6	38.1	57.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

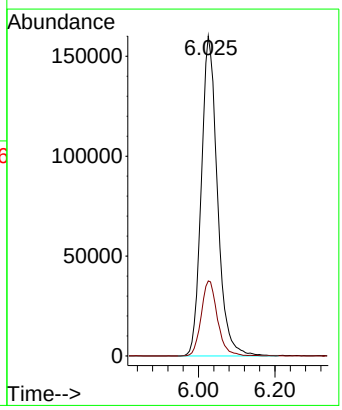
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

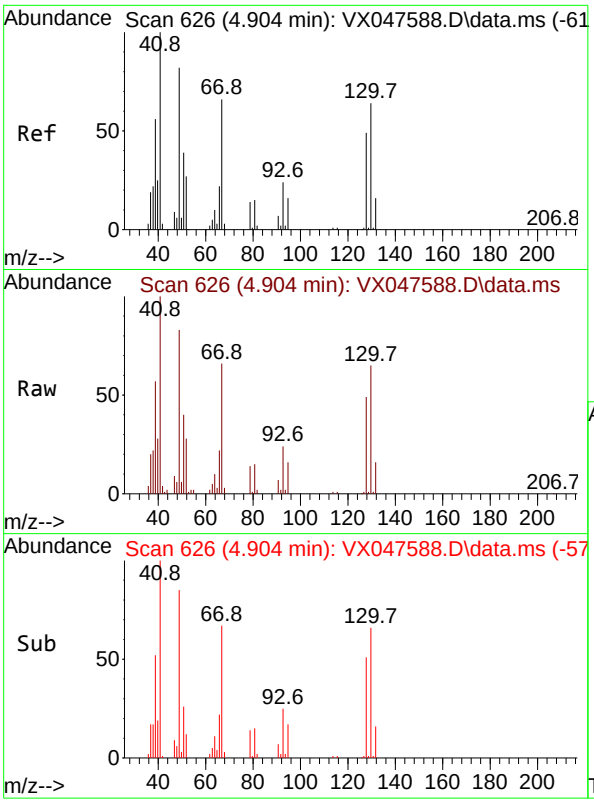


#40
Benzene
Concen: 51.167 ug/l
RT: 6.025 min Scan# 810
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 78 Resp: 468136

Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.8	28.2

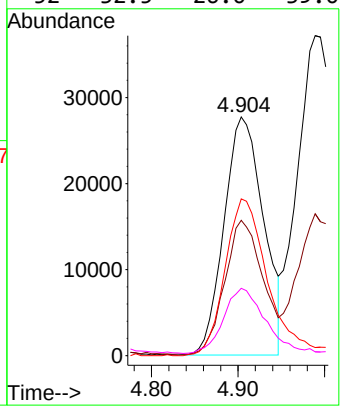




#41
Methacrylonitrile
Concen: 52.707 ug/l
RT: 4.904 min Scan# 6
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 41 Resp: 8776

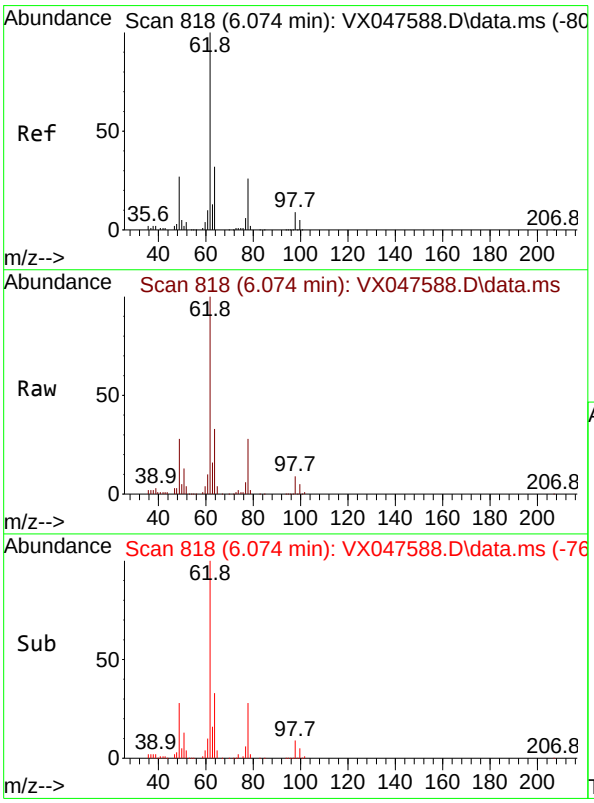
Ion	Ratio	Lower	Upper
41	100		
39	54.1	43.3	64.9
67	73.2	58.6	87.8
52	32.5	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

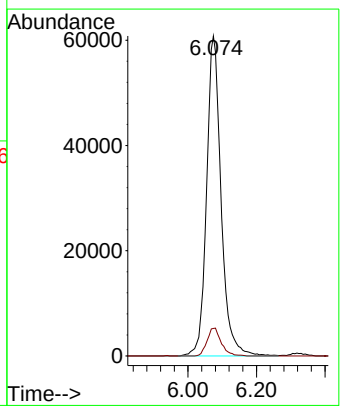
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

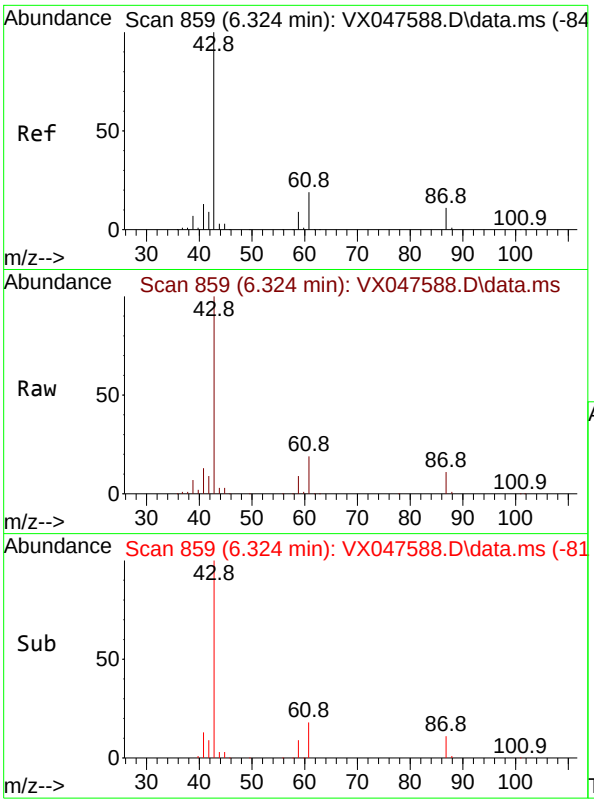


#42
1,2-Dichloroethane
Concen: 51.431 ug/l
RT: 6.074 min Scan# 818
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 62 Resp: 179037

Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	17.0





#43
Isopropyl Acetate
Concen: 52.096 ug/l
RT: 6.324 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

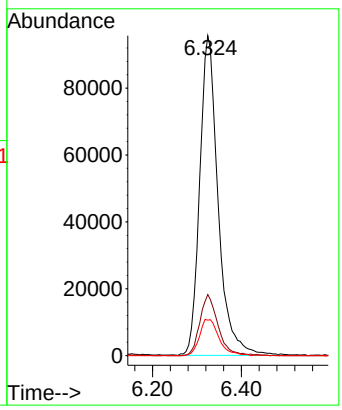
Tgt Ion: 43 Resp: 27557

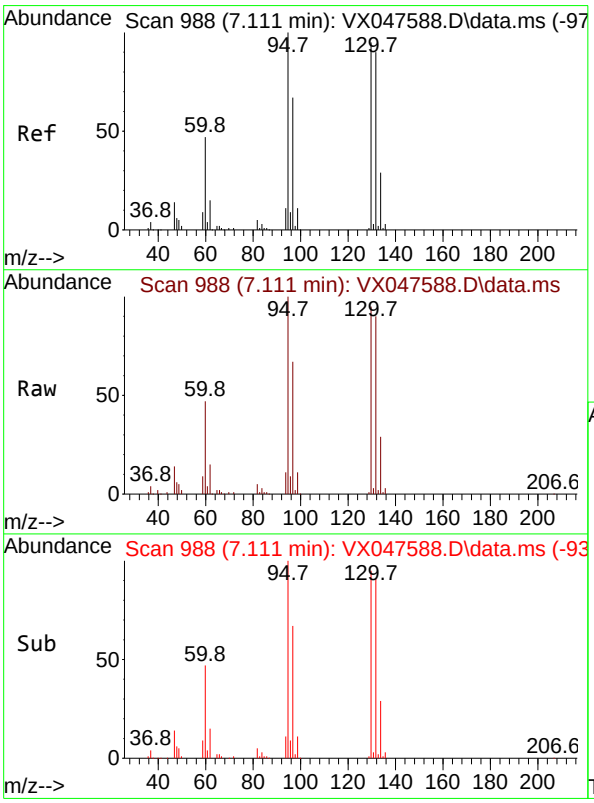
Ion	Ratio	Lower	Upper
43	100		
61	19.0	15.2	22.8
87	12.0	9.6	14.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

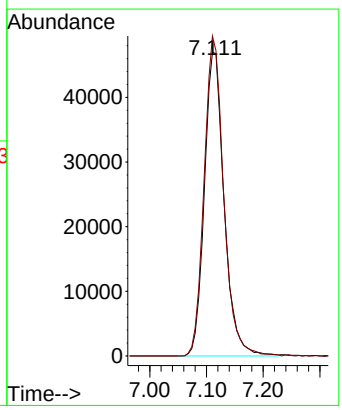


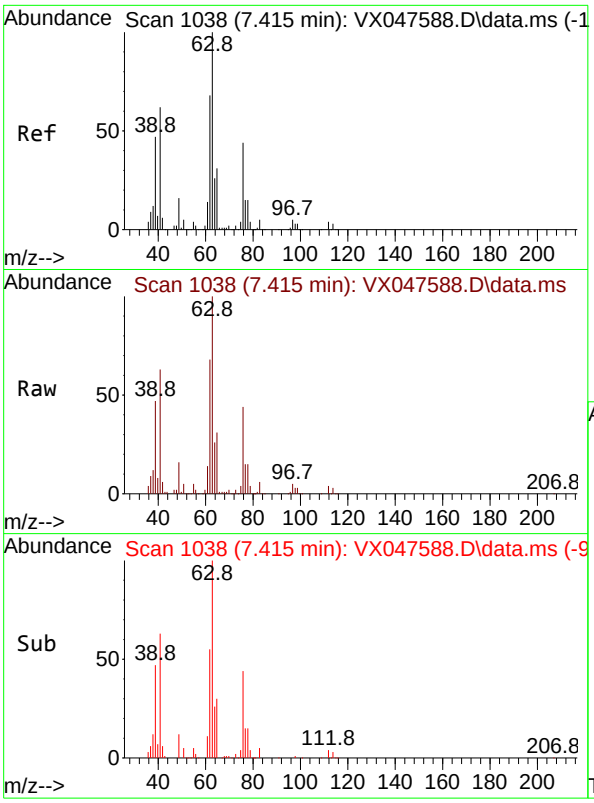


#44
Trichloroethene
Concen: 51.463 ug/l
RT: 7.111 min Scan# 988
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:130 Resp: 113832

Ion	Ratio	Lower	Upper
130	100		
95	105.4	0.0	210.8

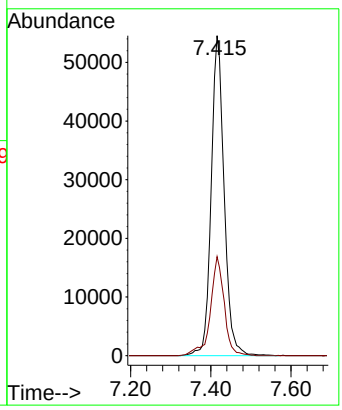




#45
1,2-Dichloropropane
Concen: 52.122 ug/l
RT: 7.415 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 63 Resp: 12210

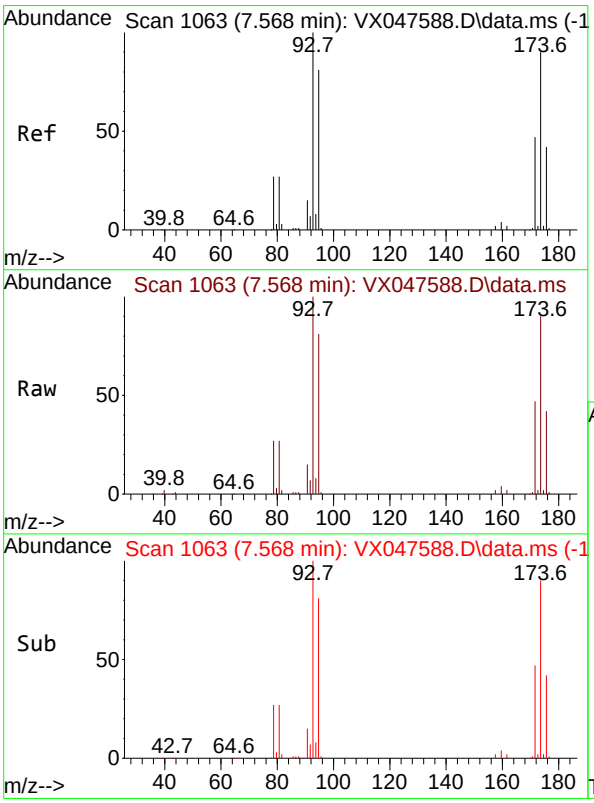
Ion	Ratio	Lower	Upper
63	100		
65	30.9	24.7	37.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

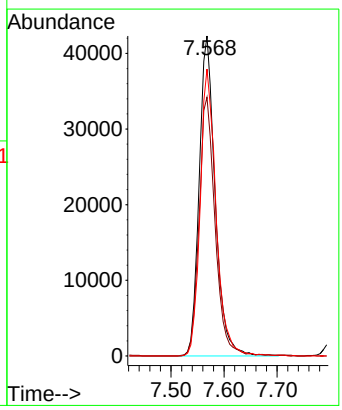
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

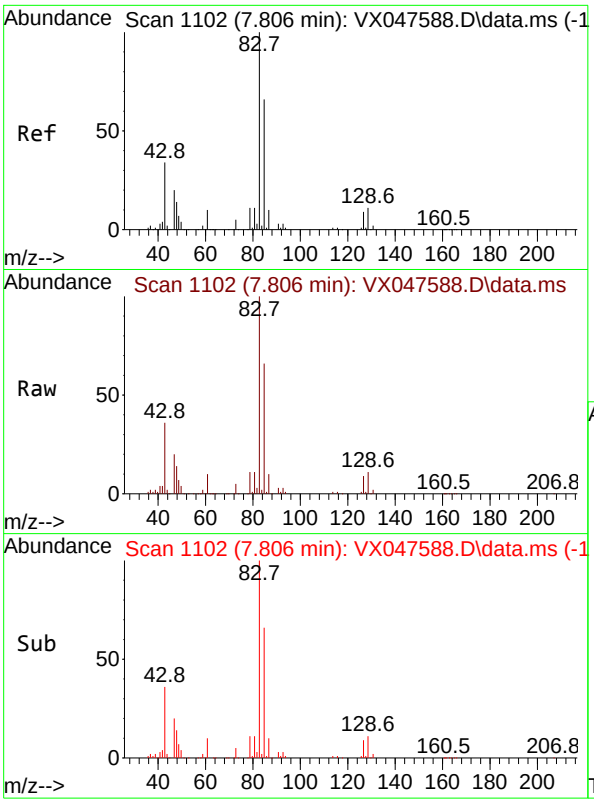


#46
Dibromomethane
Concen: 51.914 ug/l
RT: 7.568 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 93 Resp: 88505

Ion	Ratio	Lower	Upper
93	100		
95	81.3	65.0	97.6
174	89.5	71.6	107.4

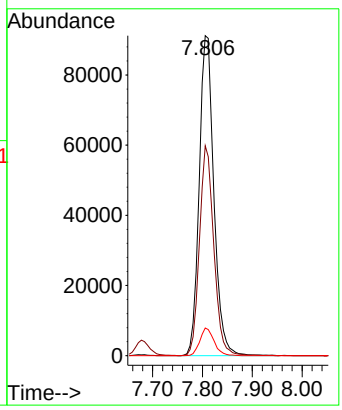




#47
Bromodichloromethane
Concen: 53.025 ug/l
RT: 7.806 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 83 Resp: 18654

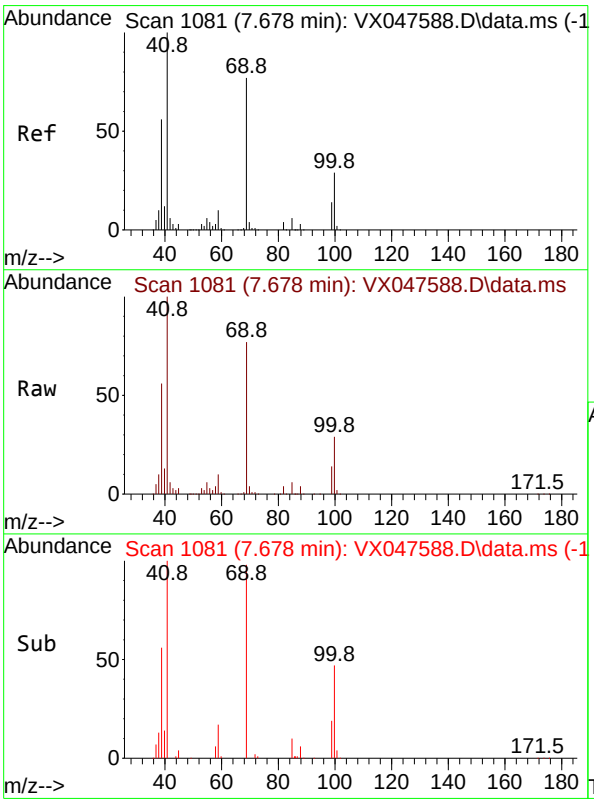
Ion	Ratio	Lower	Upper
83	100		
85	65.6	52.5	78.7
127	8.6	6.9	10.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

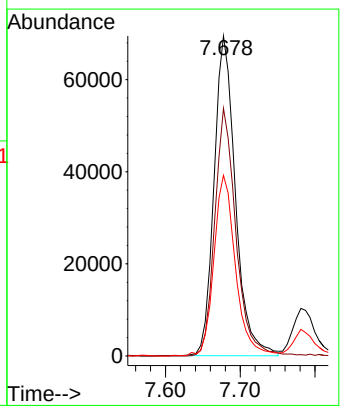
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

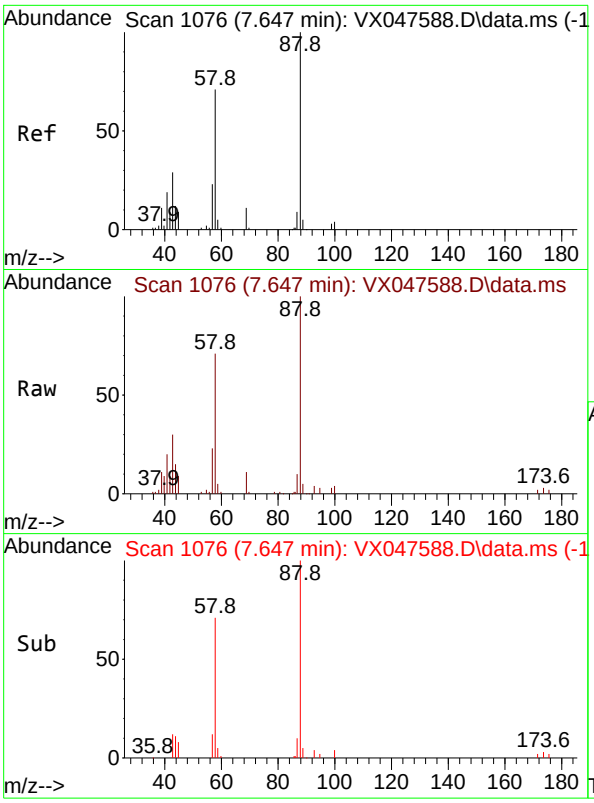


#48
Methyl methacrylate
Concen: 52.438 ug/l
RT: 7.678 min Scan# 1081
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 41 Resp: 138167

Ion	Ratio	Lower	Upper
41	100		
69	76.8	61.4	92.2
39	57.2	45.8	68.6

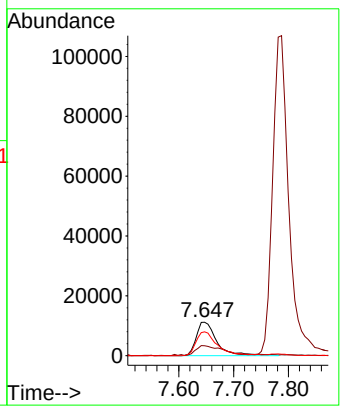




#49
1,4-Dioxane
Concen: 1107.698 ug/l
RT: 7.647 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 88 Resp: 2949

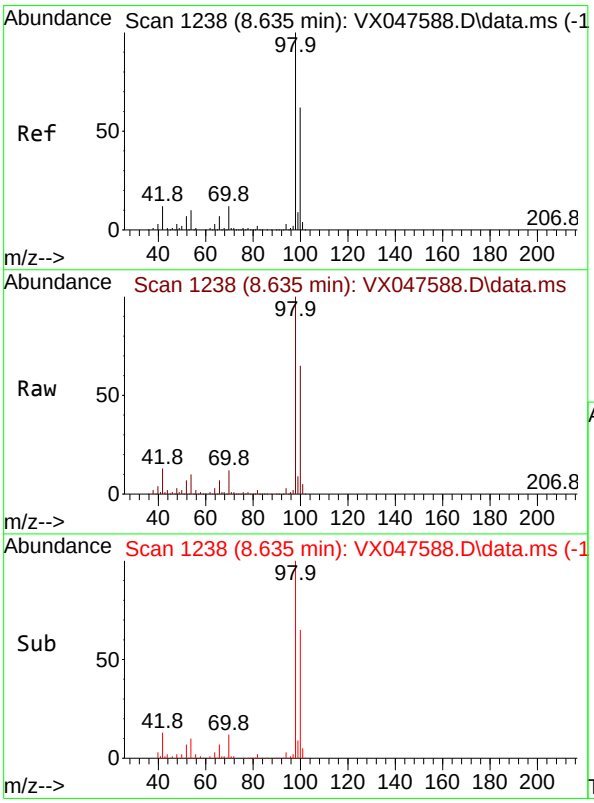
Ion	Ratio	Lower	Upper
88	100		
43	37.7	30.2	45.2
58	74.4	59.5	89.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

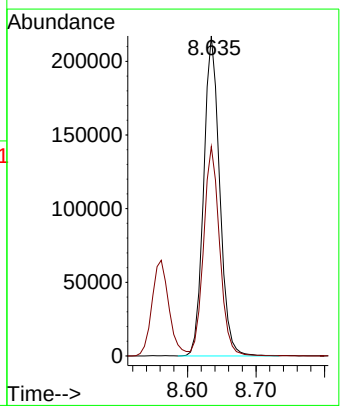
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

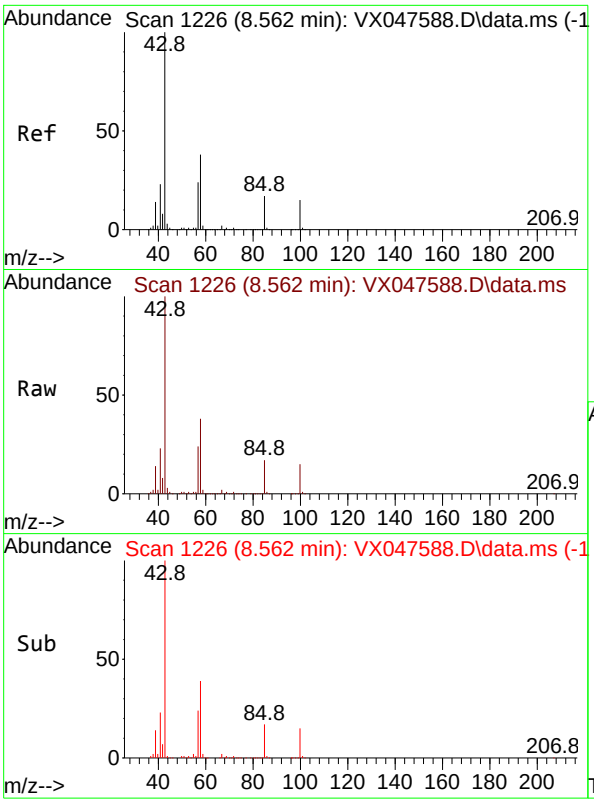


#50
Toluene-d8
Concen: 49.428 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 98 Resp: 352578

Ion	Ratio	Lower	Upper
98	100		
100	66.2	53.0	79.4

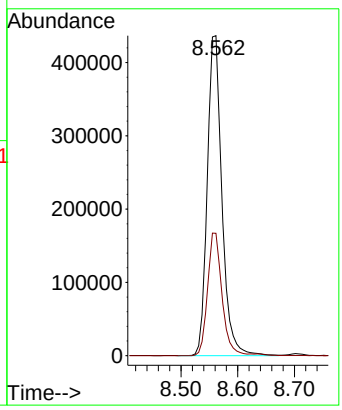




#51
4-Methyl-2-Pentanone
Concen: 267.650 ug/l
RT: 8.562 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 43 Resp: 78497

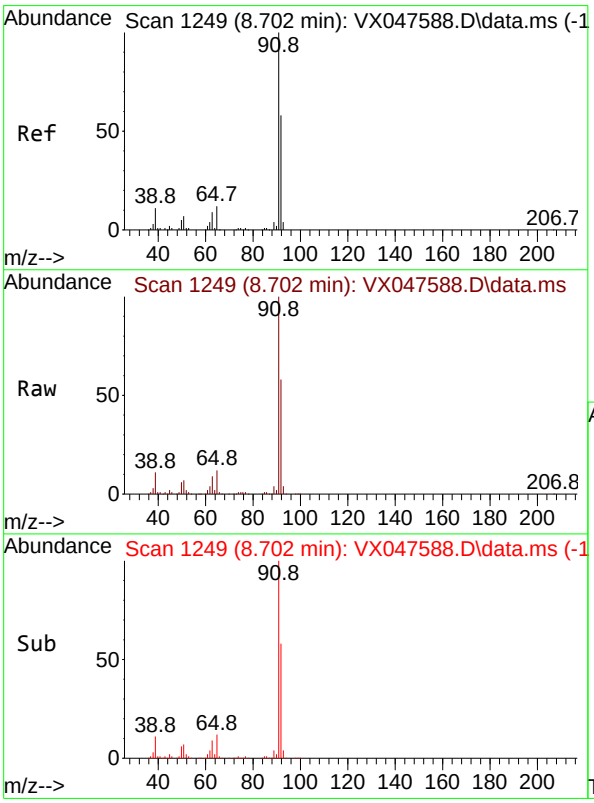
Ion	Ratio	Lower	Upper
43	100		
58	37.9	30.3	45.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

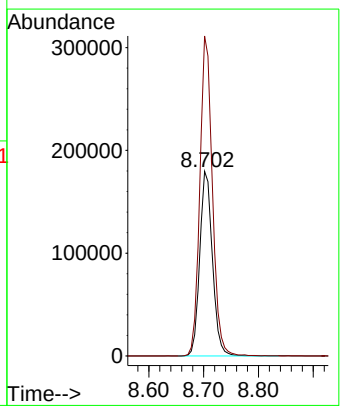
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

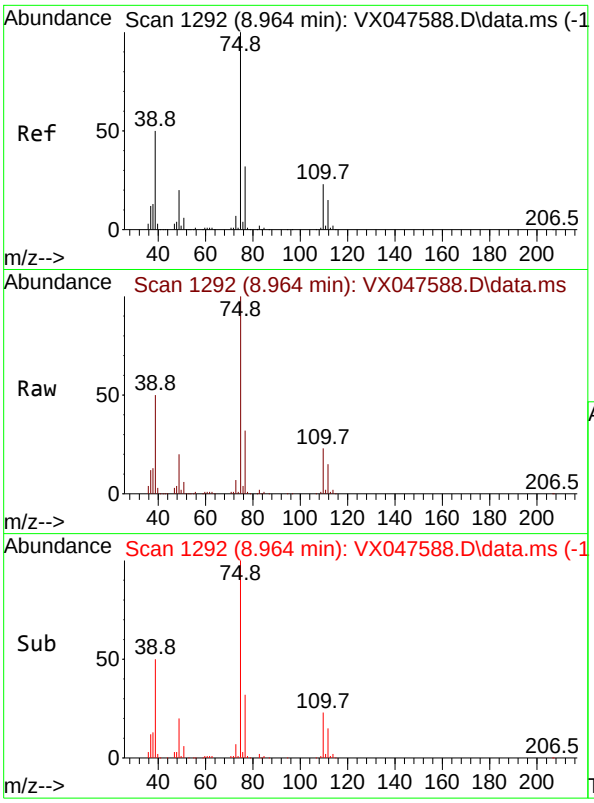


#52
Toluene
Concen: 51.244 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 92 Resp: 288853

Ion	Ratio	Lower	Upper
92	100		
91	171.4	137.1	205.7

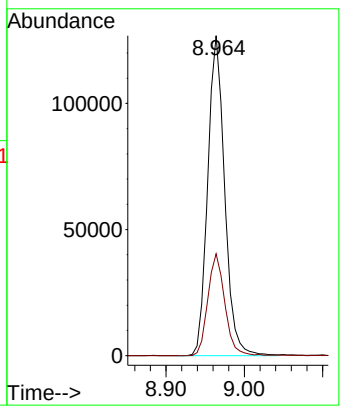




#53
t-1,3-Dichloropropene
Concen: 53.027 ug/l
RT: 8.964 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 75 Resp: 19028

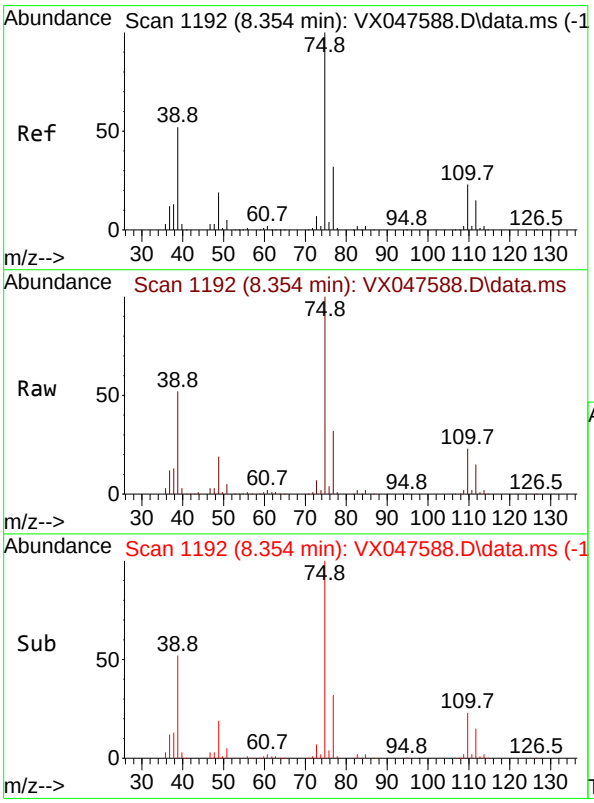
Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.4	38.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

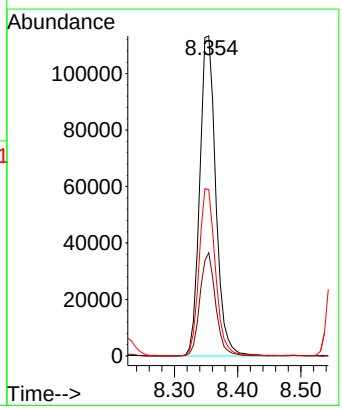
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

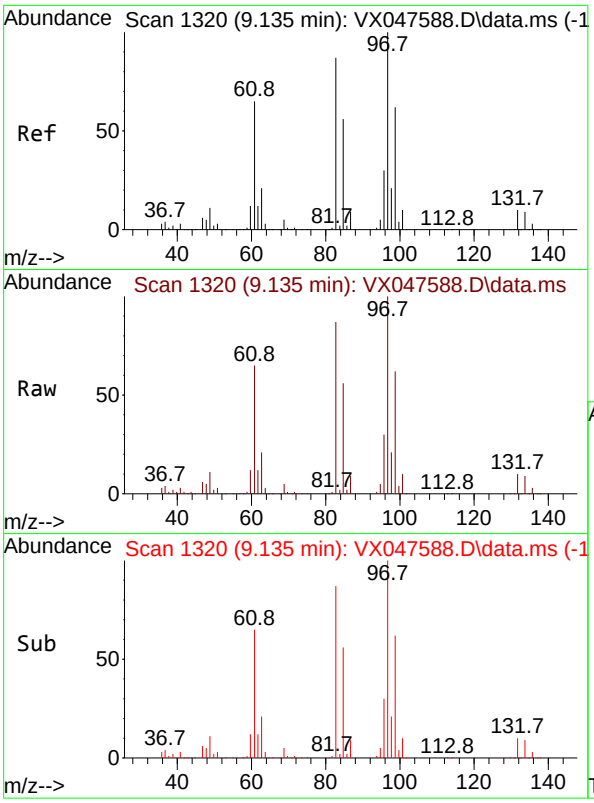


#54
cis-1,3-Dichloropropene
Concen: 52.369 ug/l
RT: 8.354 min Scan# 1192
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 75 Resp: 200859

Ion	Ratio	Lower	Upper
75	100		
77	32.2	25.8	38.6
39	51.8	41.4	62.2

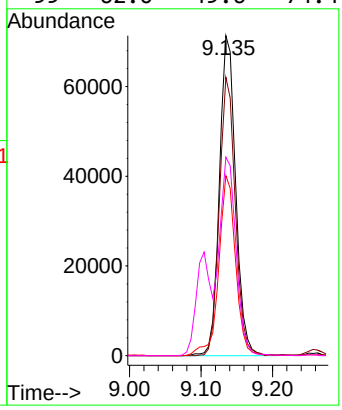




#55
1,1,2-Trichloroethane
Concen: 51.915 ug/l
RT: 9.135 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 97 Resp: 11283

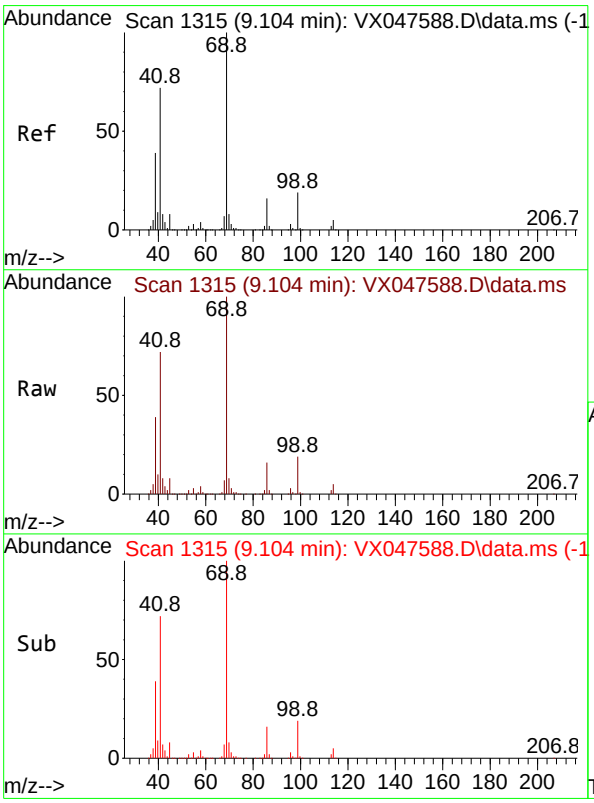
Ion	Ratio	Lower	Upper
97	100		
83	87.0	69.6	104.4
85	56.3	45.0	67.6
99	62.0	49.6	74.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

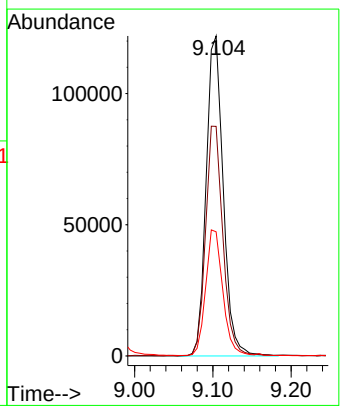
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

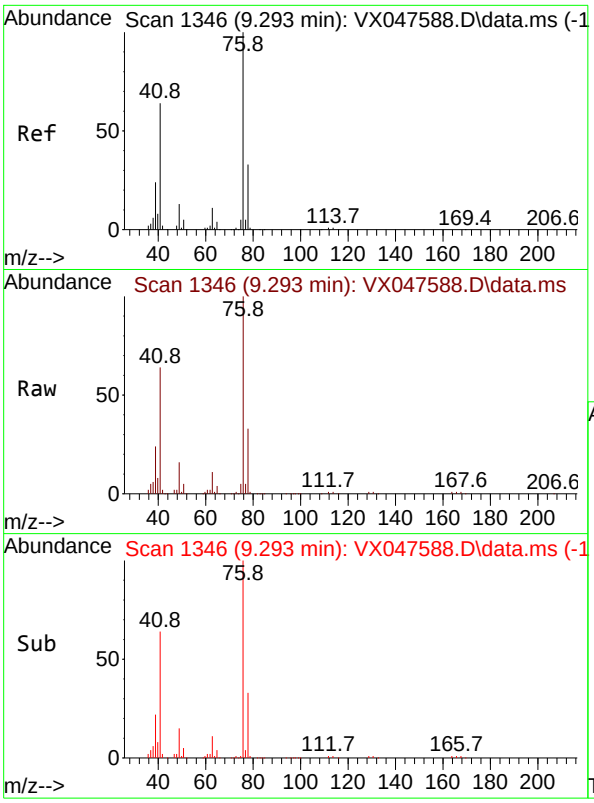


#56
Ethyl methacrylate
Concen: 53.930 ug/l
RT: 9.104 min Scan# 1315
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 69 Resp: 184087

Ion	Ratio	Lower	Upper
69	100		
41	73.2	58.6	87.8
39	39.4	31.5	47.3

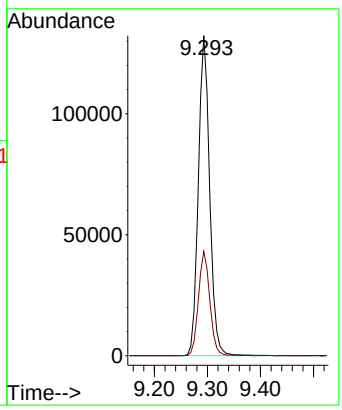




#57
1,3-Dichloropropane
Concen: 52.492 ug/l
RT: 9.293 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 76 Resp: 19598

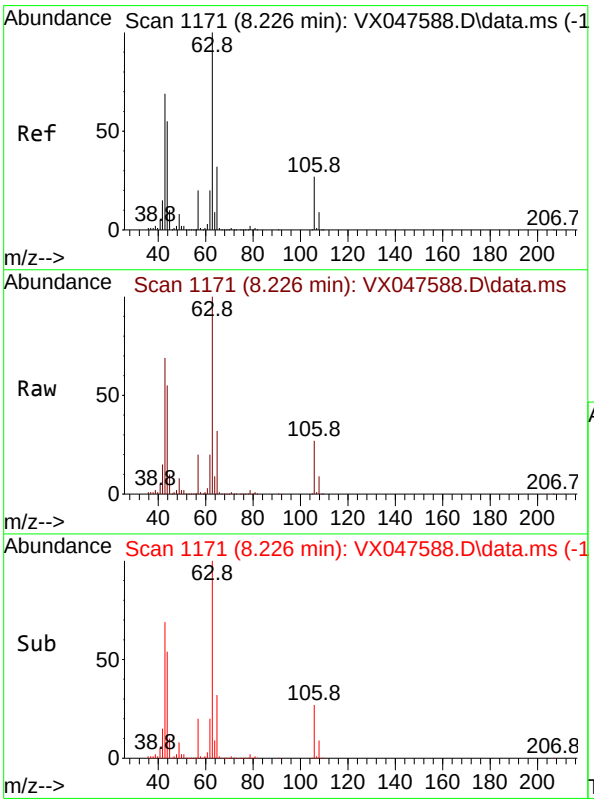
Ion	Ratio	Lower	Upper
76	100		
78	32.8	26.2	39.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

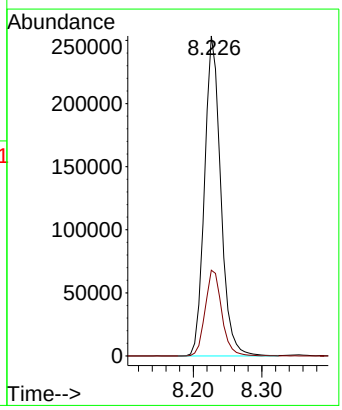
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

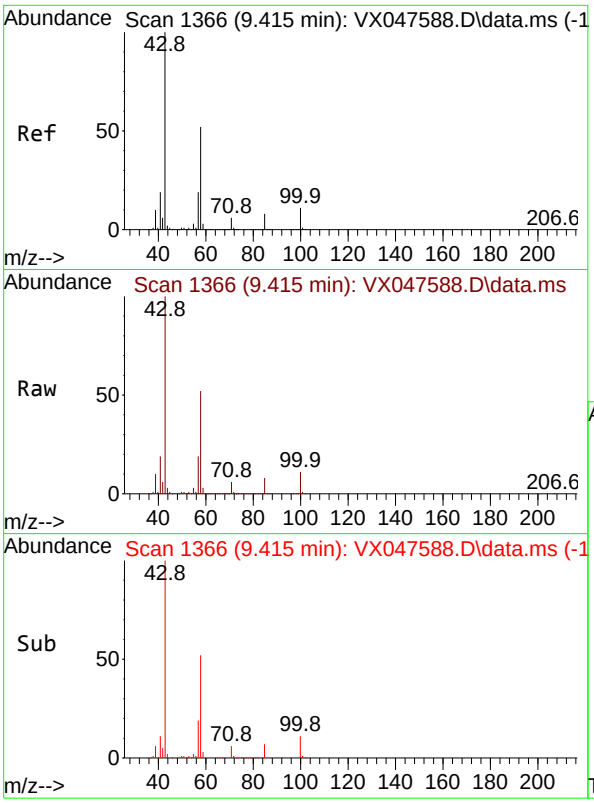


#58
2-Chloroethyl Vinyl ether
Concen: 256.309 ug/l
RT: 8.226 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 63 Resp: 418707

Ion	Ratio	Lower	Upper
63	100		
106	27.4	21.9	32.9





#59
2-Hexanone
Concen: 262.683 ug/l
RT: 9.415 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

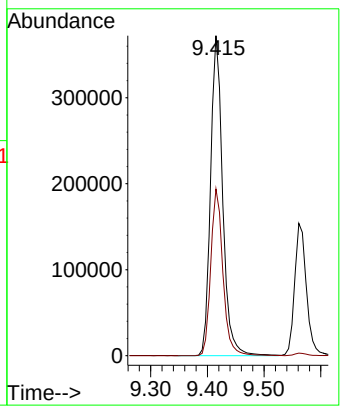
Tgt Ion: 43 Resp: 55331

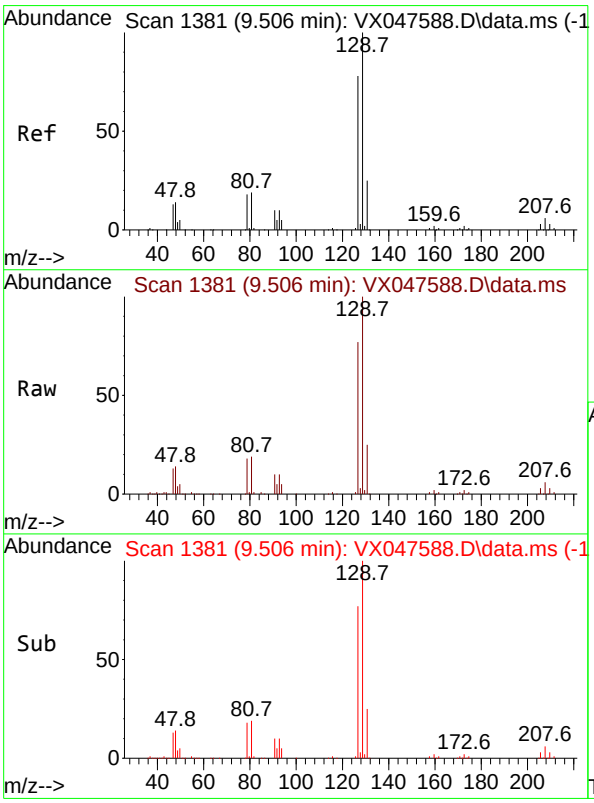
Ion	Ratio	Lower	Upper
43	100		
58	52.1	26.1	78.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

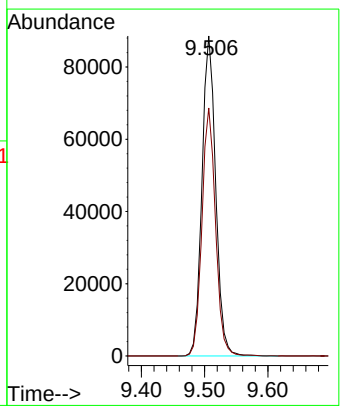


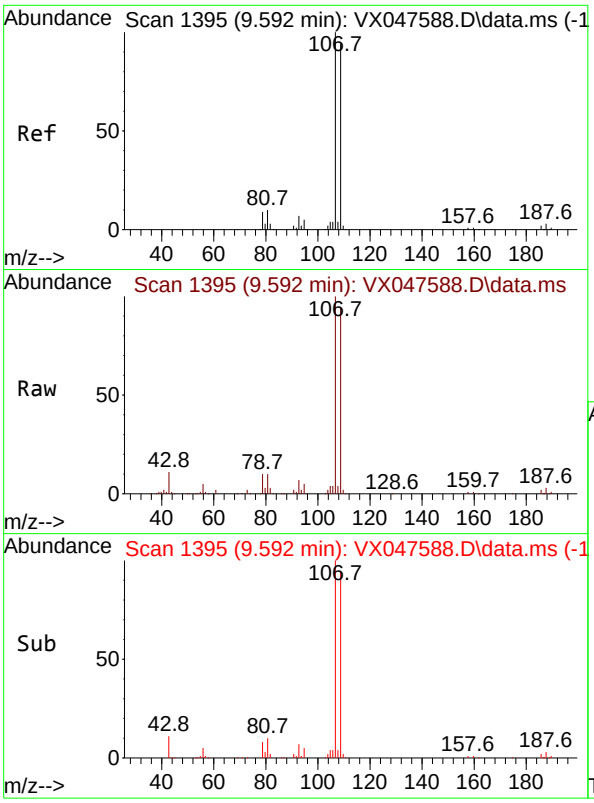


#60
Dibromochloromethane
Concen: 53.401 ug/l
RT: 9.506 min Scan# 1381
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:129 Resp: 133737

Ion	Ratio	Lower	Upper
129	100		
127	76.8	38.4	115.2

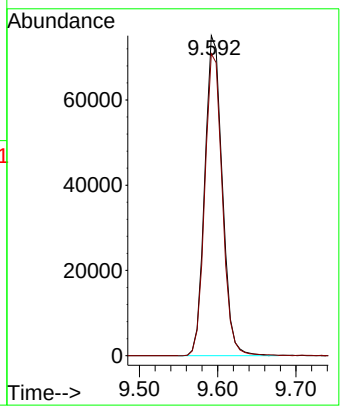




#61
1,2-Dibromoethane
Concen: 52.607 ug/l
RT: 9.592 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:107 Resp: 11646

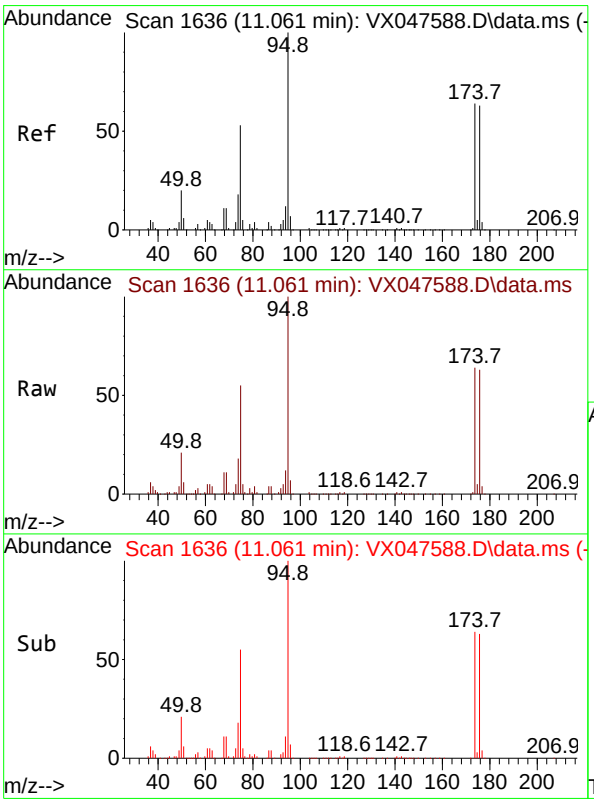
Ion	Ratio	Lower	Upper
107	100		
109	94.1	75.3	112.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

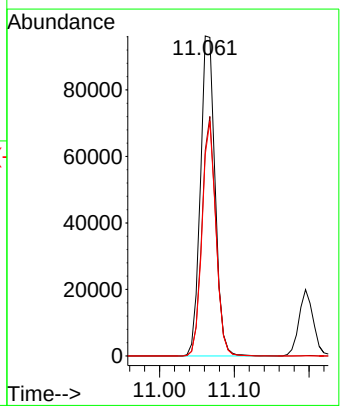
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

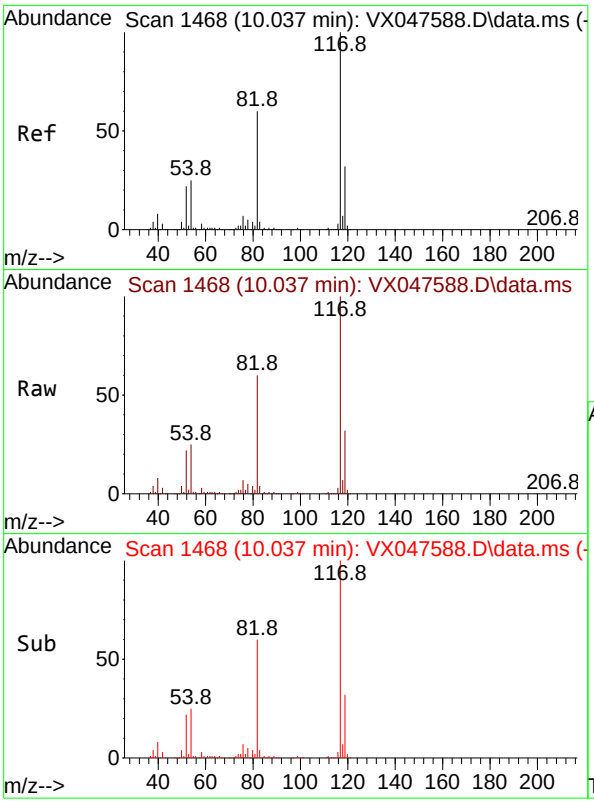


#62
4-Bromofluorobenzene
Concen: 48.471 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 95 Resp: 131217

Ion	Ratio	Lower	Upper
95	100		
174	70.8	0.0	141.6
176	69.2	0.0	138.4

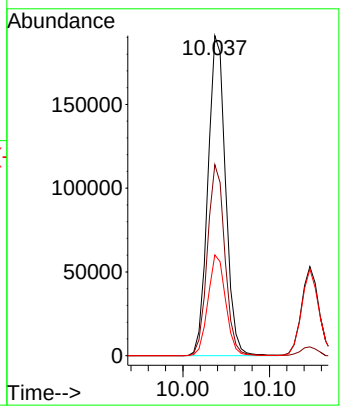




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:117 Resp: 27004

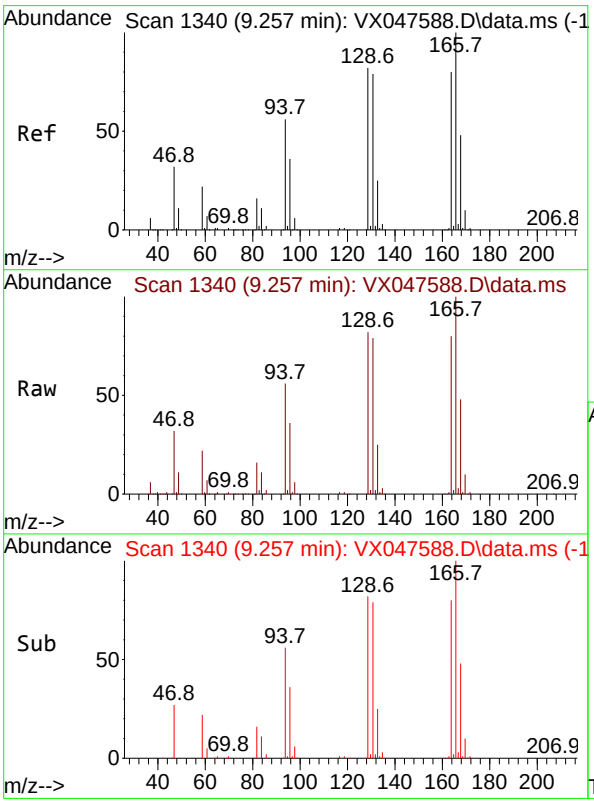
Ion	Ratio	Lower	Upper
117	100		
82	59.7	47.8	71.6
119	31.5	25.2	37.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

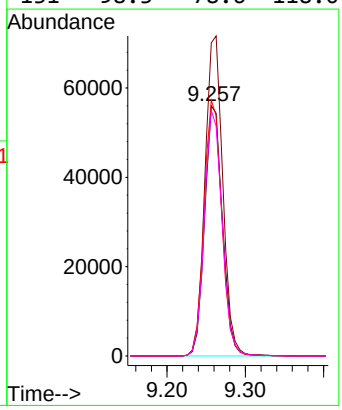
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

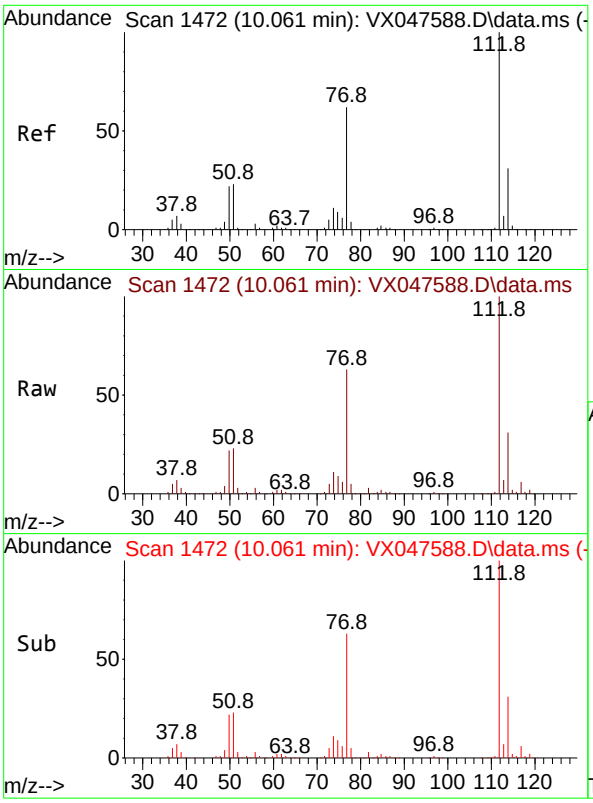


#64
Tetrachloroethene
Concen: 50.074 ug/l
RT: 9.257 min Scan# 1340
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:164 Resp: 88149

Ion	Ratio	Lower	Upper
164	100		
166	125.2	100.2	150.2
129	102.2	81.8	122.6
131	98.3	78.6	118.0





#65
Chlorobenzene
Concen: 51.833 ug/l
RT: 10.061 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

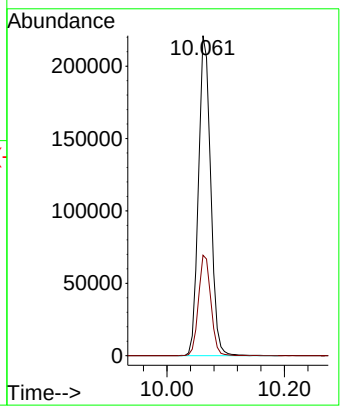
Tgt Ion:112 Resp: 31798

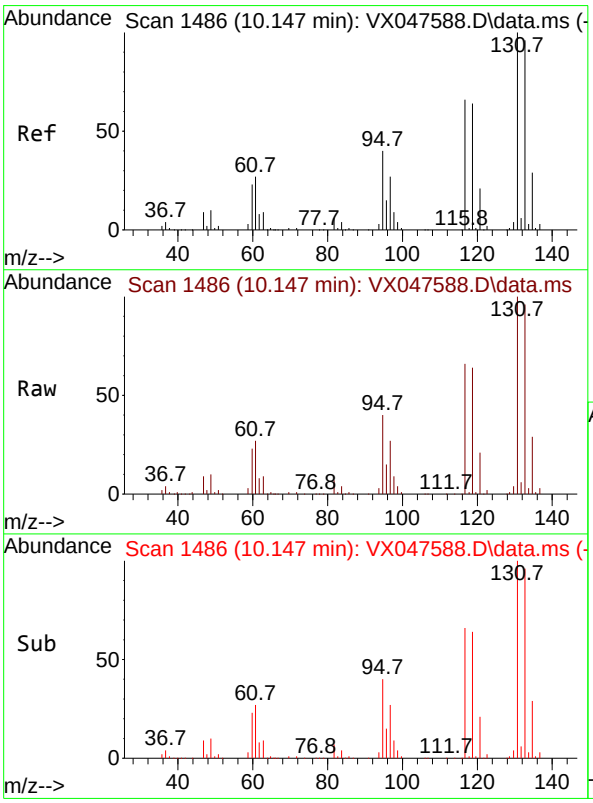
Ion	Ratio	Lower	Upper
112	100		
114	31.4	25.1	37.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

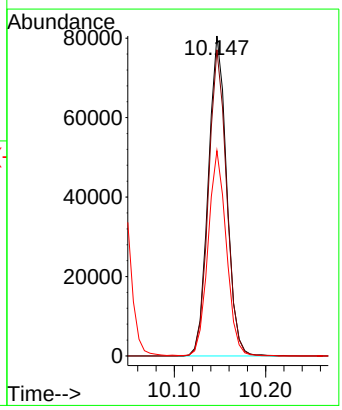


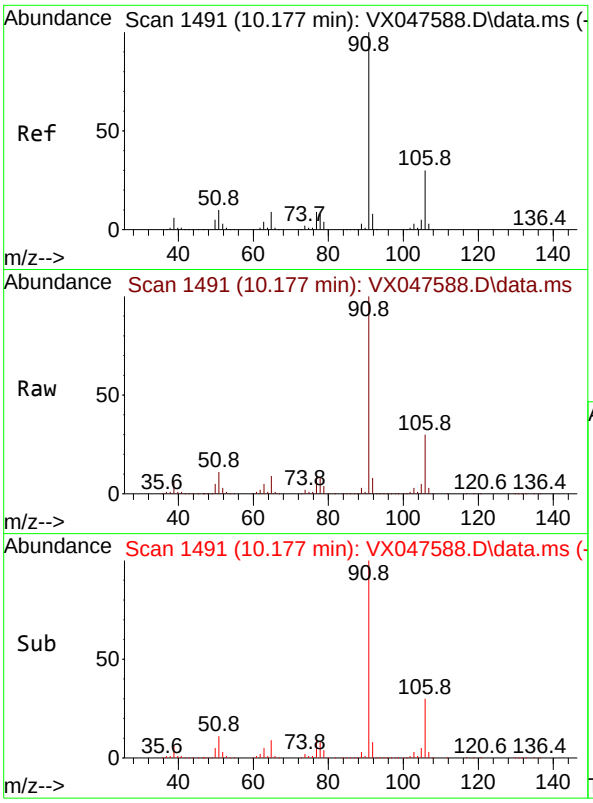


#66
1,1,1,2-Tetrachloroethane
Concen: 52.835 ug/l
RT: 10.147 min Scan# 1486
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:131 Resp: 111849

Ion	Ratio	Lower	Upper
131	100		
133	94.7	47.3	142.0
119	64.0	32.0	96.0

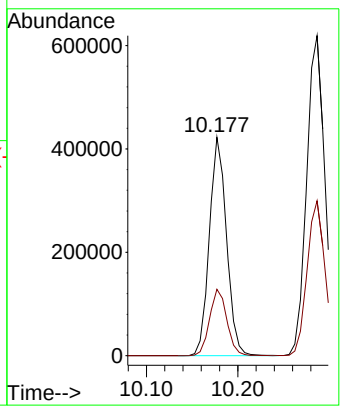




#67
Ethyl Benzene
Concen: 52.017 ug/l
RT: 10.177 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 91 Resp: 55061

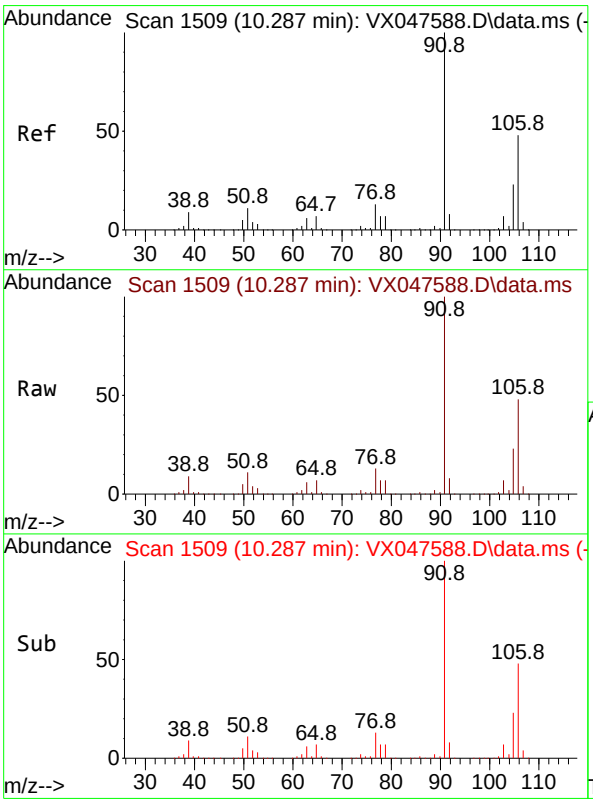
Ion	Ratio	Lower	Upper
91	100		
106	30.4	24.3	36.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

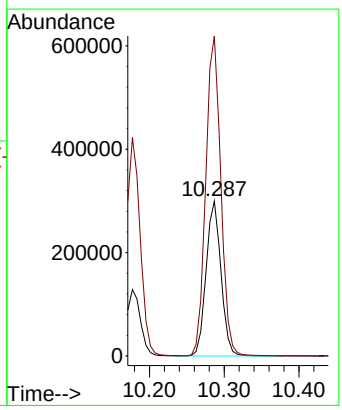
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

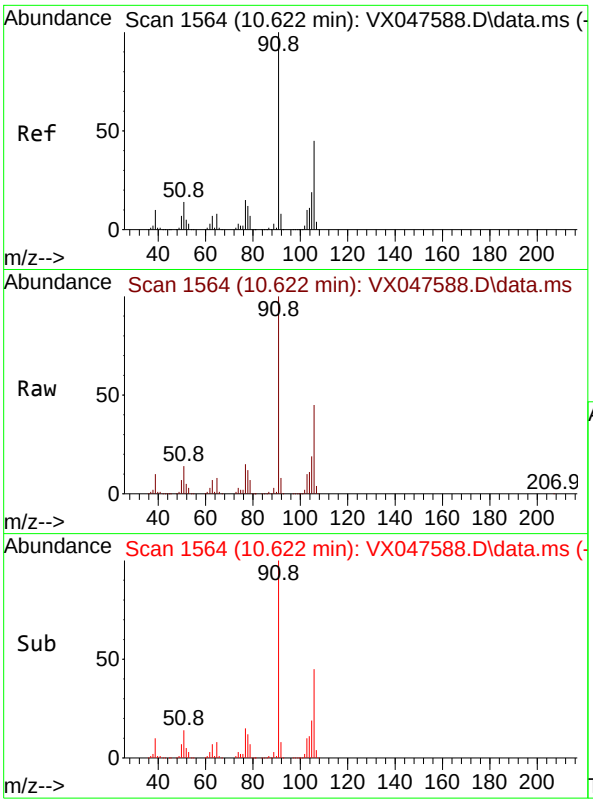


#68
m/p-Xylenes
Concen: 104.809 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:106 Resp: 412932

Ion	Ratio	Lower	Upper
106	100		
91	209.8	167.8	251.8





#69
o-Xylene
Concen: 53.084 ug/l
RT: 10.622 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

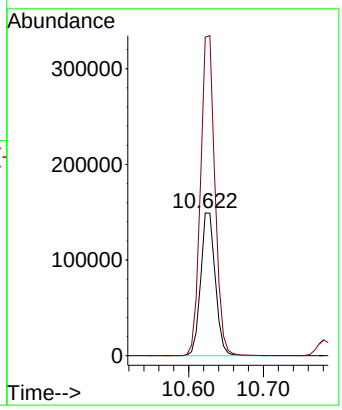
Tgt Ion:106 Resp: 20229

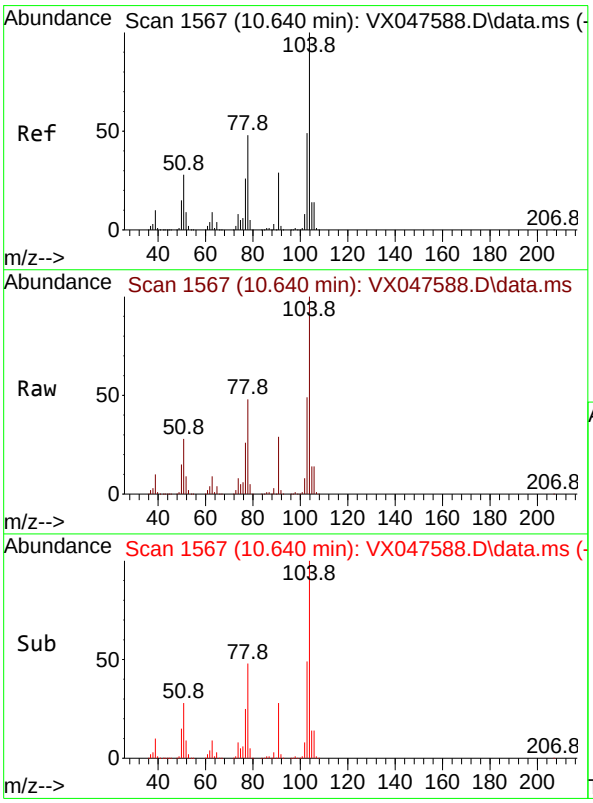
Ion	Ratio	Lower	Upper
106	100		
91	222.3	111.1	333.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

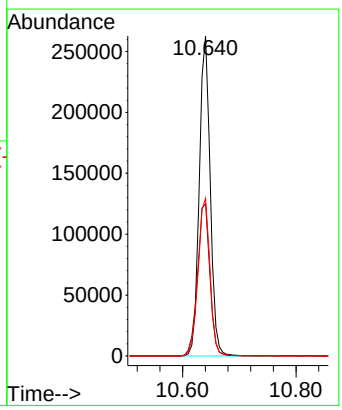


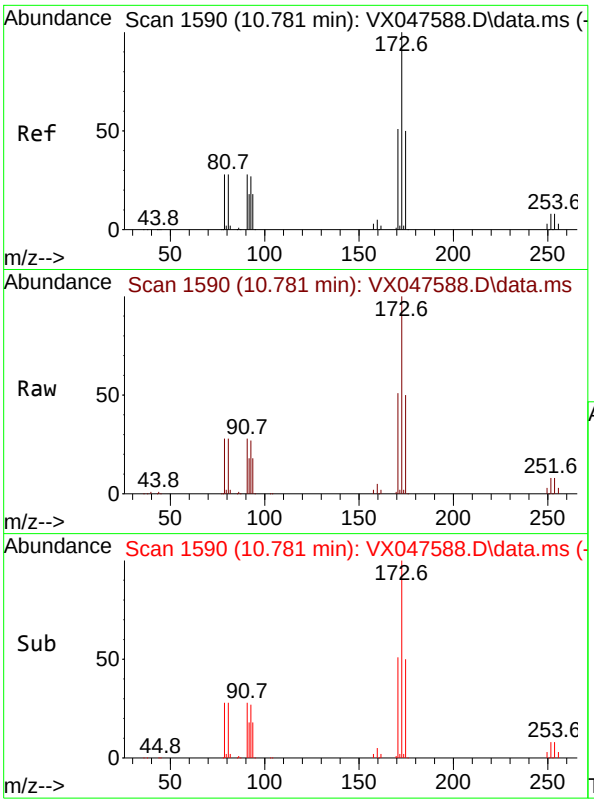


#70
Styrene
Concen: 52.515 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:104 Resp: 350654

Ion	Ratio	Lower	Upper
104	100		
78	53.9	43.1	64.7
103	53.9	43.1	64.7

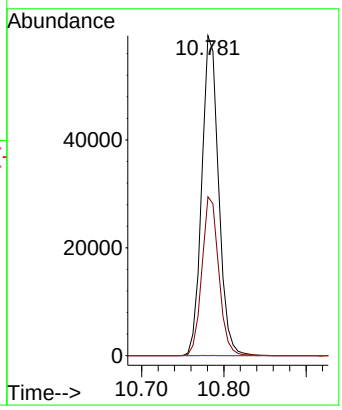




#71
Bromoform
Concen: 53.447 ug/l
RT: 10.781 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:173 Resp: 8448

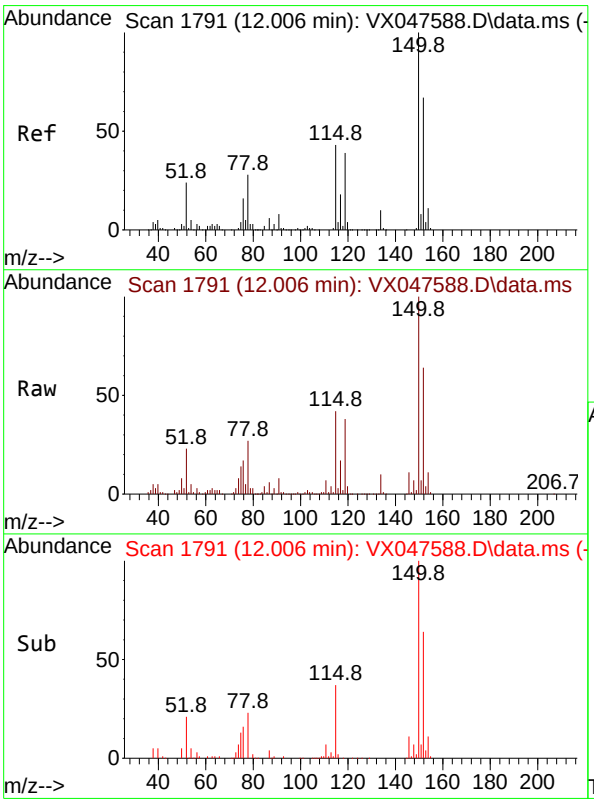
Ion	Ratio	Lower	Upper
173	100		
175	49.7	24.9	74.6
254	0.1	0.1	0.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

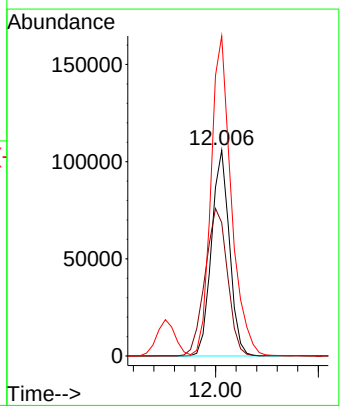
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

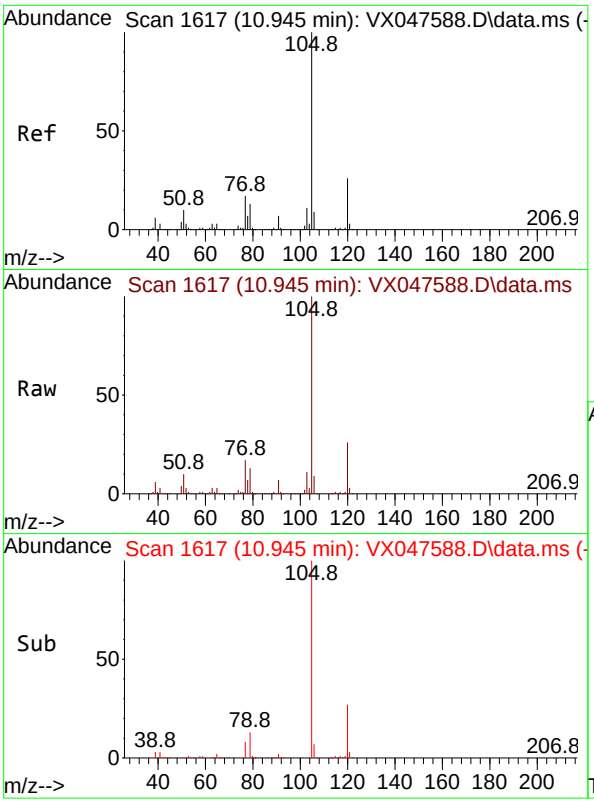


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:152 Resp: 127732

Ion	Ratio	Lower	Upper
152	100		
115	89.7	44.9	134.5
150	176.0	0.0	352.0

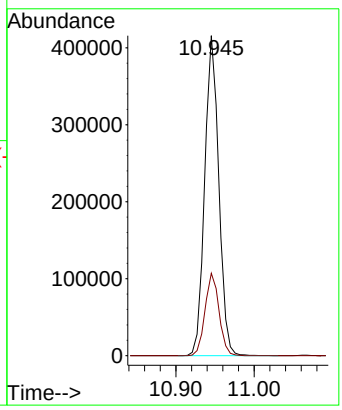




#73
Isopropylbenzene
Concen: 53.227 ug/l
RT: 10.945 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:105 Resp: 51689

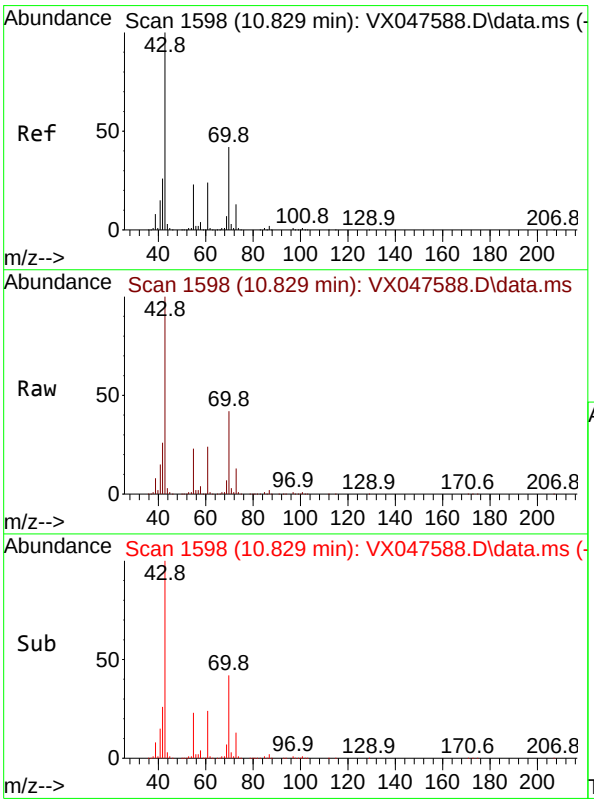
Ion	Ratio	Lower	Upper
105	100		
120	25.6	12.8	38.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

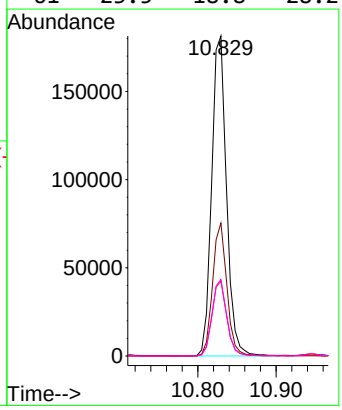
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

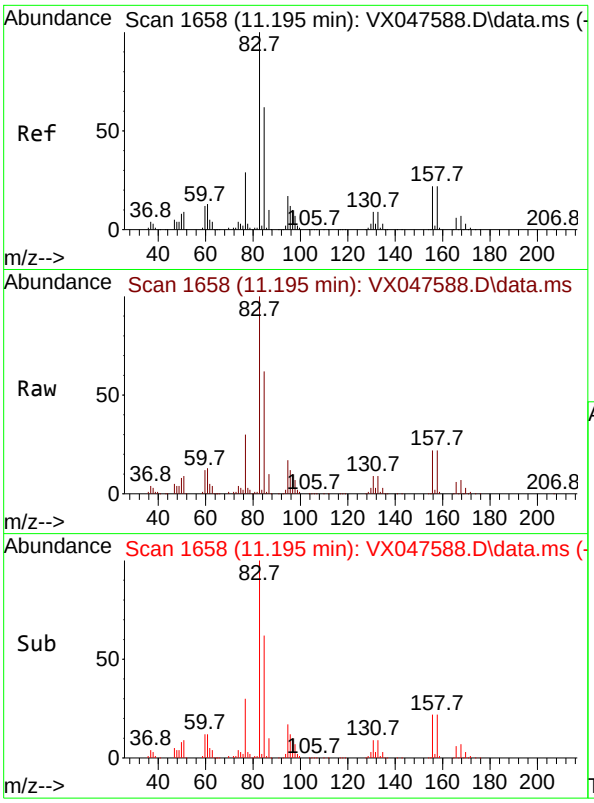


#74
N-amyl acetate
Concen: 53.710 ug/l
RT: 10.829 min Scan# 1598
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 43 Resp: 237846

Ion	Ratio	Lower	Upper
43	100		
70	40.0	32.0	48.0
55	23.6	18.9	28.3
61	23.5	18.8	28.2





#75
1,1,2,2-Tetrachloroethane
Concen: 53.251 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

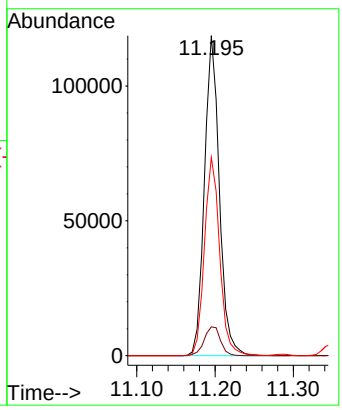
Tgt Ion: 83 Resp: 15645

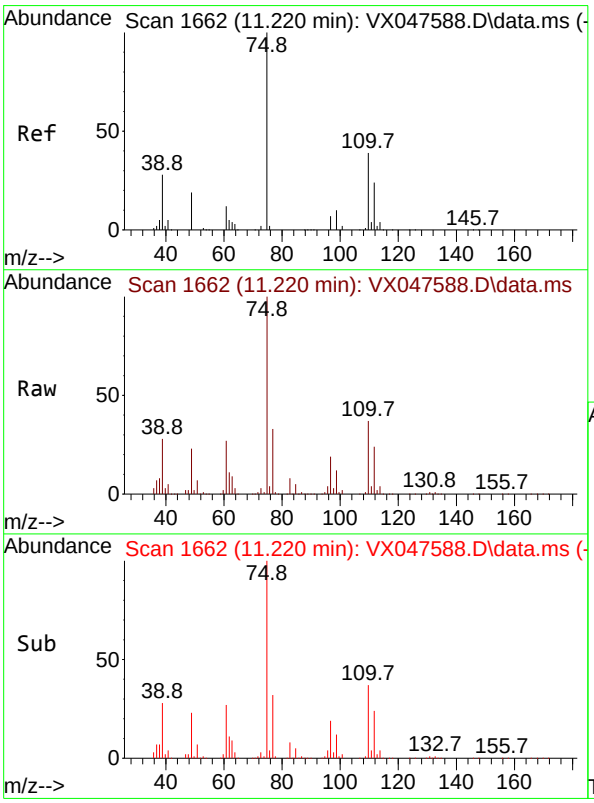
Ion	Ratio	Lower	Upper
83	100		
131	9.9	5.0	14.9
85	63.3	31.6	95.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

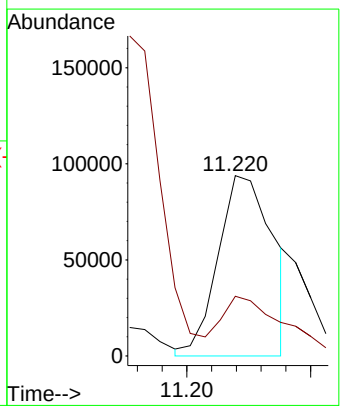


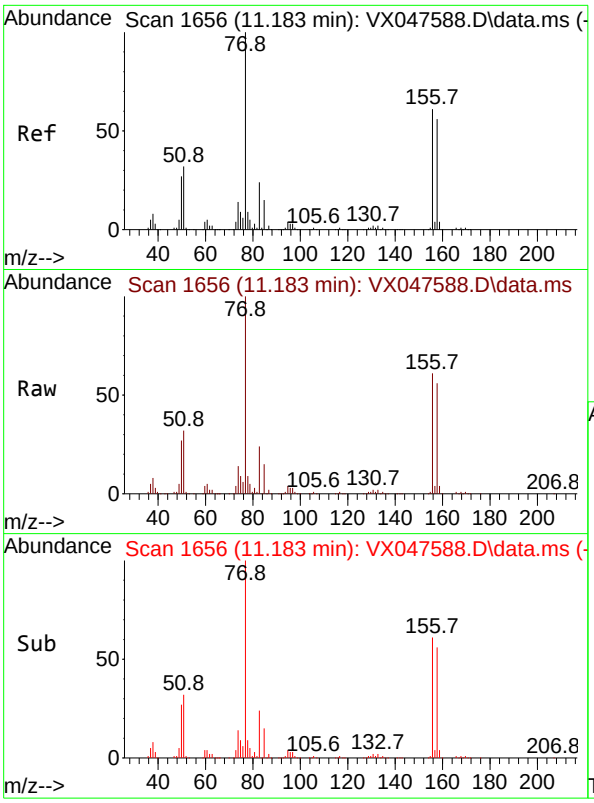


#76
1,2,3-Trichloropropane
Concen: 54.322 ug/l m
RT: 11.220 min Scan# 1662
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 75 Resp: 144074

Ion	Ratio	Lower	Upper
75	100		
77	37.6	18.8	56.4





#77
Bromobenzene
Concen: 52.754 ug/l
RT: 11.183 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

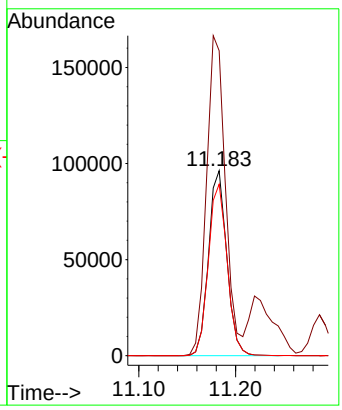
Tgt Ion:156 Resp: 12617

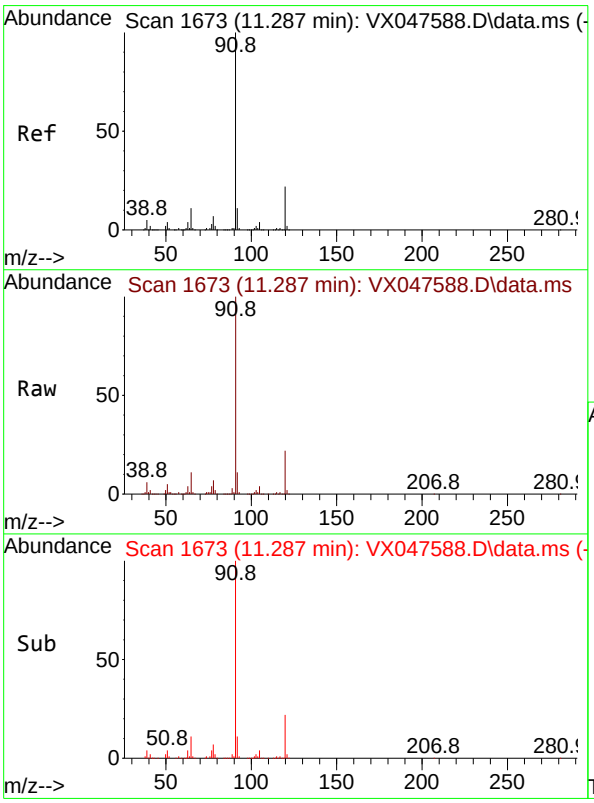
Ion	Ratio	Lower	Upper
156	100		
77	179.4	89.7	269.1
158	95.7	47.9	143.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

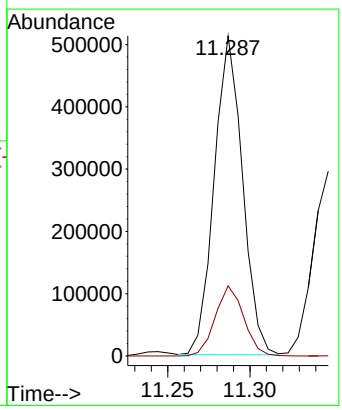


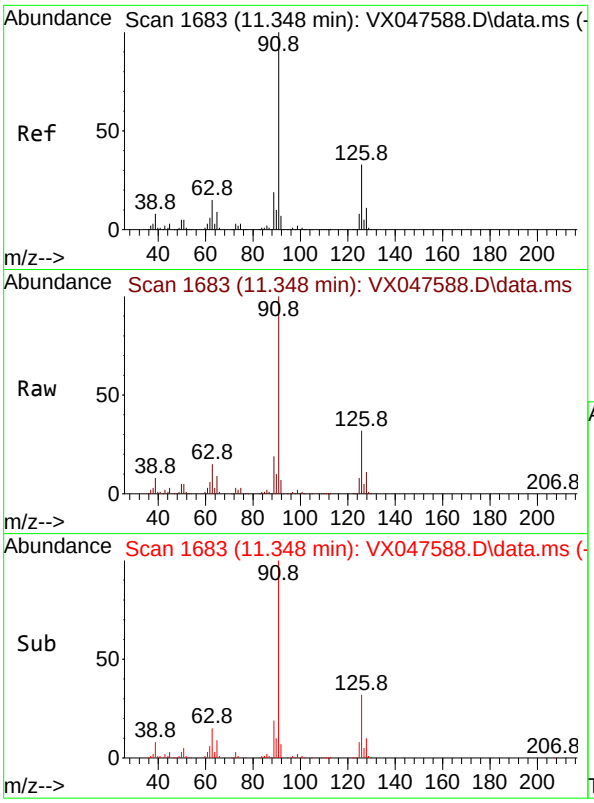


#78
n-propylbenzene
Concen: 53.315 ug/l
RT: 11.287 min Scan# 1673
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 91 Resp: 612035

Ion	Ratio	Lower	Upper
91	100		
120	22.1	11.1	33.1





#79
2-Chlorotoluene
Concen: 52.965 ug/l
RT: 11.348 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

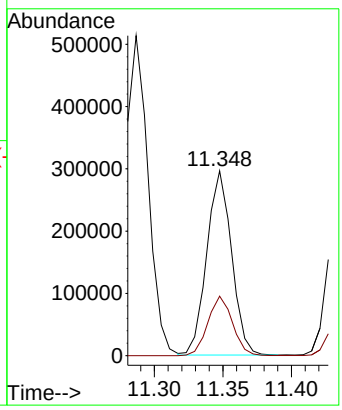
Tgt Ion: 91 Resp: 37239

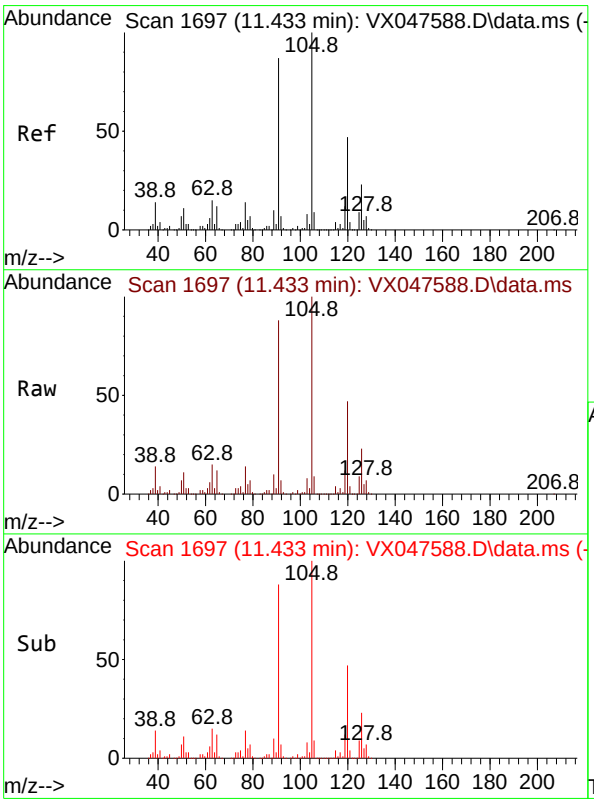
Ion	Ratio	Lower	Upper
91	100		
126	32.2	16.1	48.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

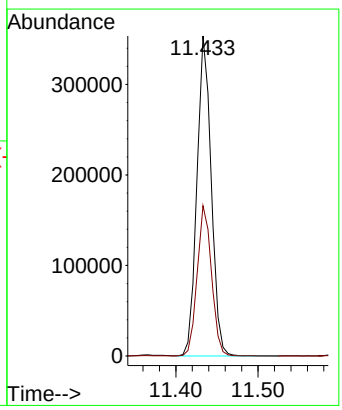


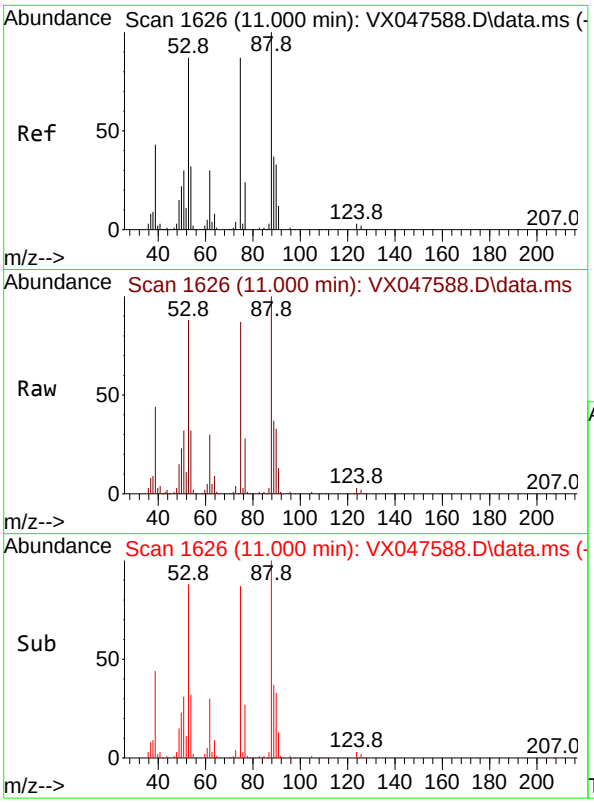


#80
1,3,5-Trimethylbenzene
Concen: 53.518 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:105 Resp: 426989

Ion	Ratio	Lower	Upper
105	100		
120	47.2	23.6	70.8

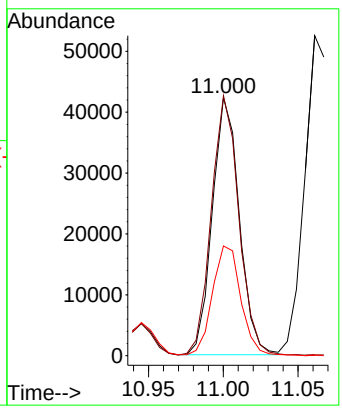




#81
trans-1,4-Dichloro-2-butene
Concen: 52.190 ug/l
RT: 11.000 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 75 Resp: 5292

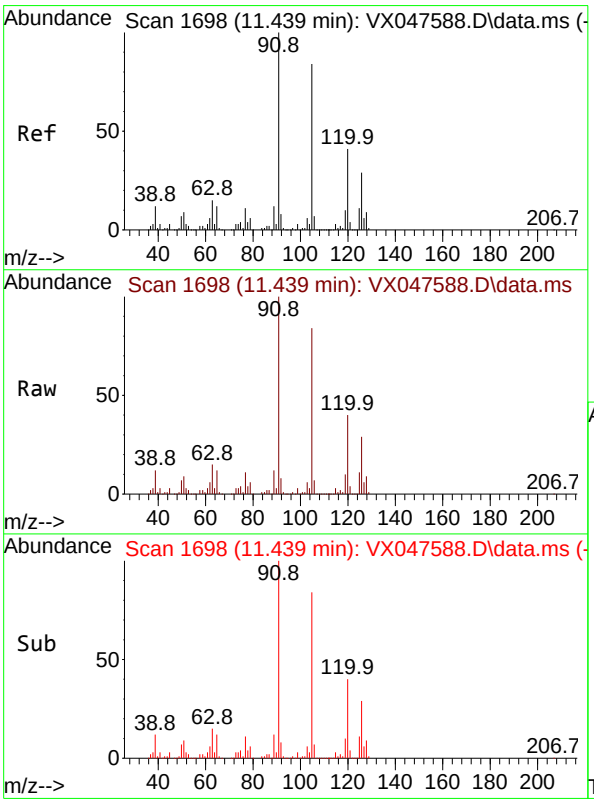
Ion	Ratio	Lower	Upper
75	100		
53	104.3	83.4	125.2
89	45.4	36.3	54.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

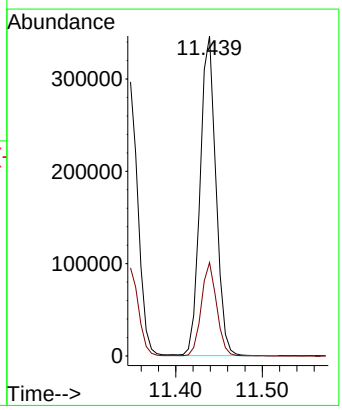
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

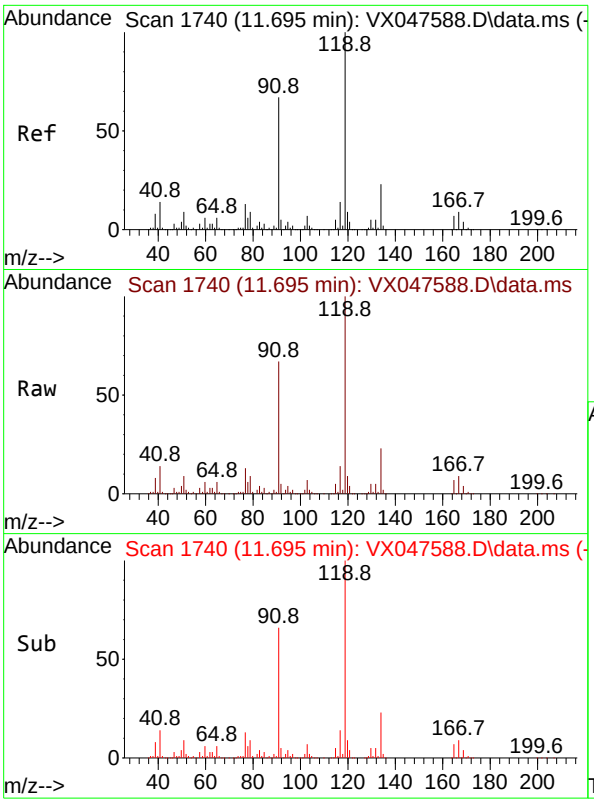


#82
4-Chlorotoluene
Concen: 52.806 ug/l
RT: 11.439 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 91 Resp: 438502

Ion	Ratio	Lower	Upper
91	100		
126	28.4	14.2	42.6

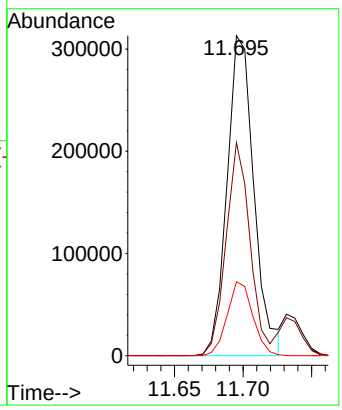




#83
tert-Butylbenzene
Concen: 52.539 ug/l
RT: 11.695 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:119 Resp: 42910

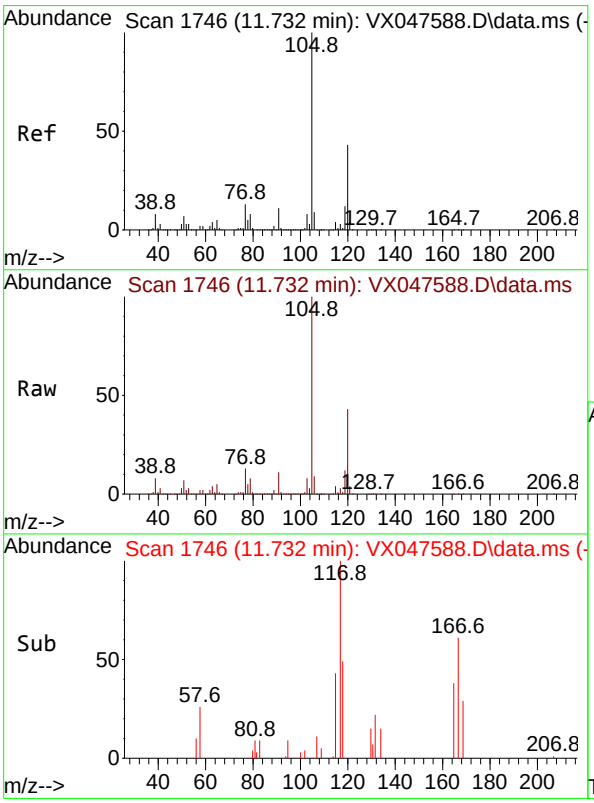
Ion	Ratio	Lower	Upper
119	100		
91	59.2	29.6	88.8
134	22.0	11.0	33.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

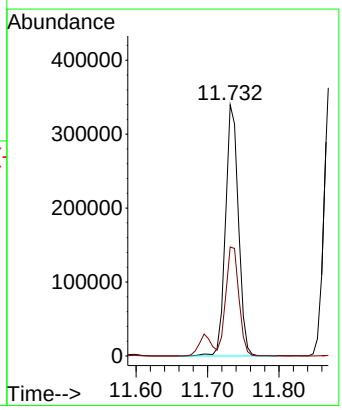
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

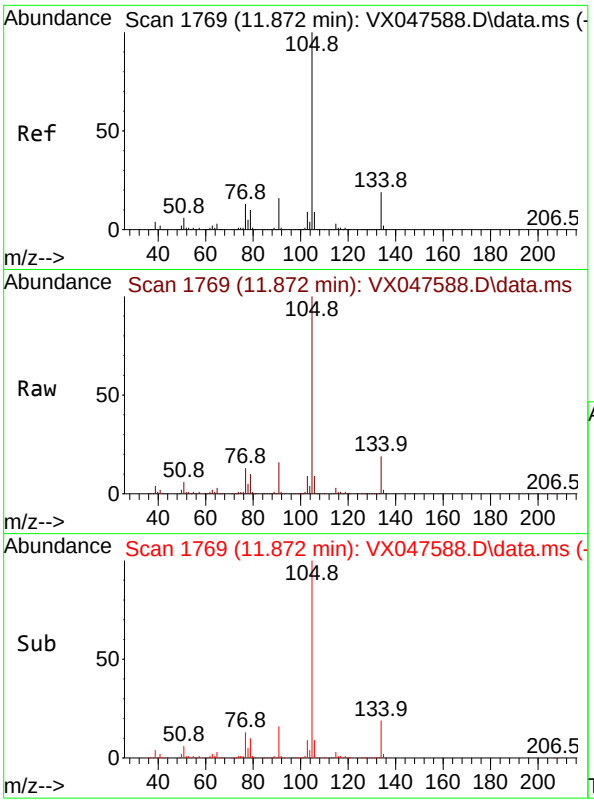


#84
1,2,4-Trimethylbenzene
Concen: 52.798 ug/l
RT: 11.732 min Scan# 1746
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:105 Resp: 427073

Ion	Ratio	Lower	Upper
105	100		
120	44.1	22.1	66.1

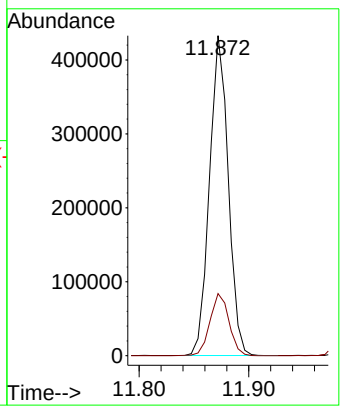




#85
sec-Butylbenzene
Concen: 53.029 ug/l
RT: 11.872 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:105 Resp: 51444

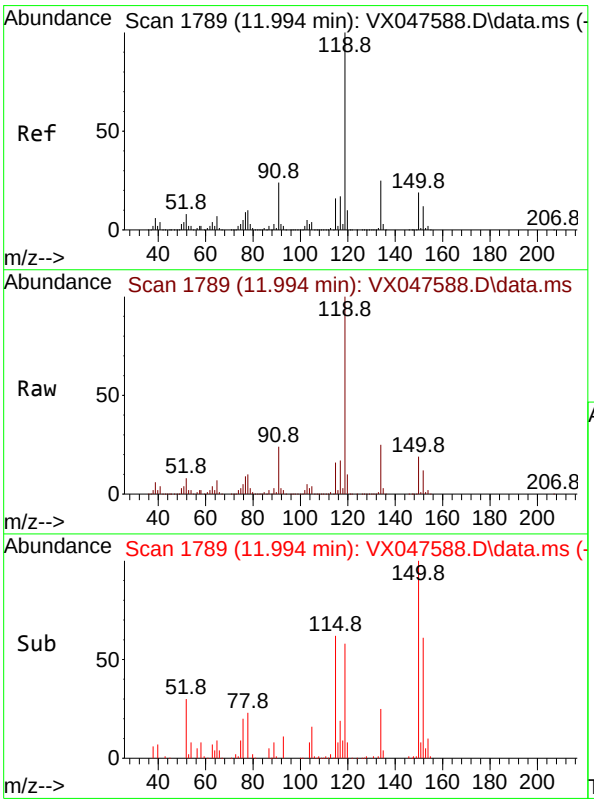
Ion	Ratio	Lower	Upper
105	100		
134	19.7	9.8	29.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

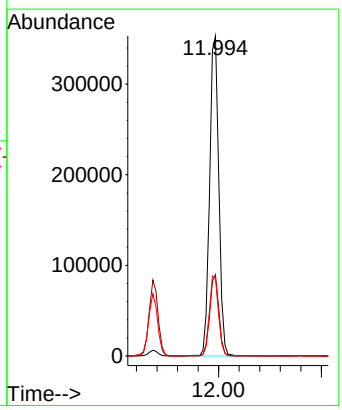
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

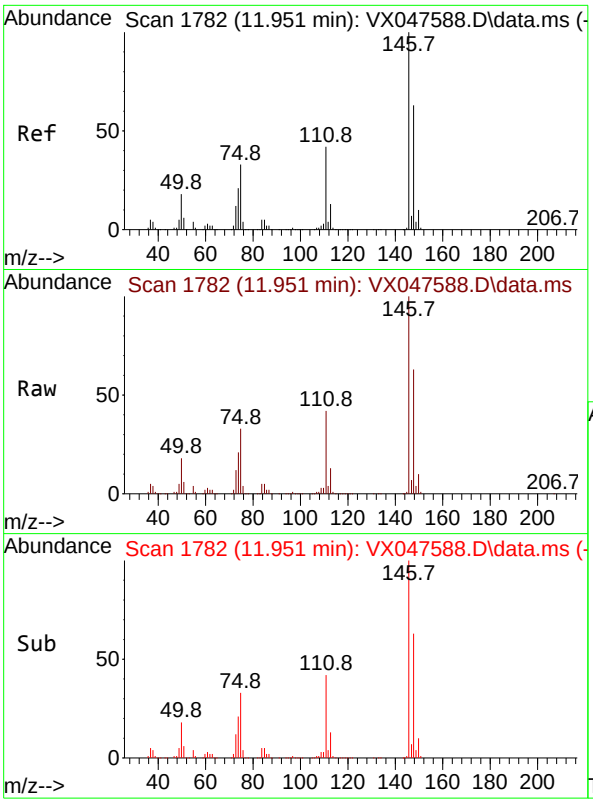


#86
p-Isopropyltoluene
Concen: 53.172 ug/l
RT: 11.994 min Scan# 1789
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:119 Resp: 436704

Ion	Ratio	Lower	Upper
119	100		
134	25.2	12.6	37.8
91	25.1	12.6	37.6

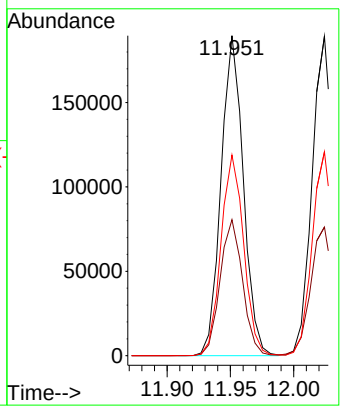




#87
1,3-Dichlorobenzene
Concen: 52.232 ug/l
RT: 11.951 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:146 Resp: 23203

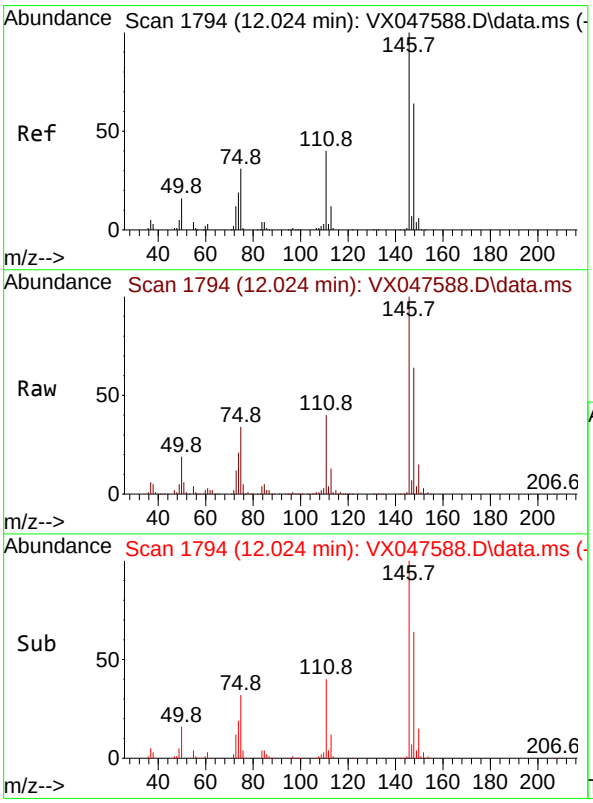
Ion	Ratio	Lower	Upper
146	100		
111	43.0	21.5	64.5
148	64.0	32.0	96.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

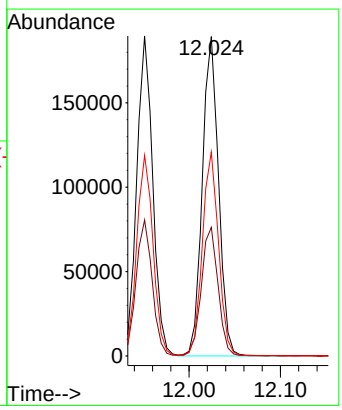
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

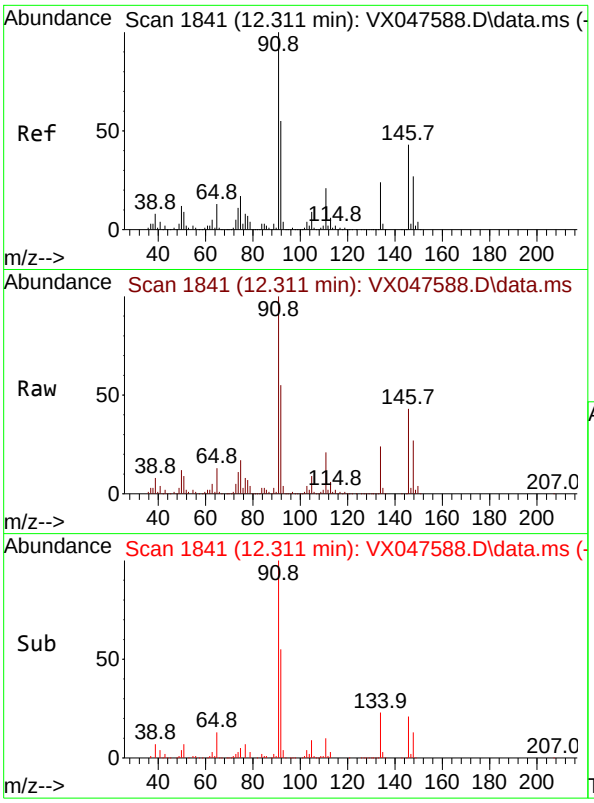


#88
1,4-Dichlorobenzene
Concen: 51.316 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:146 Resp: 233975

Ion	Ratio	Lower	Upper
146	100		
111	41.6	20.8	62.4
148	63.4	31.7	95.1

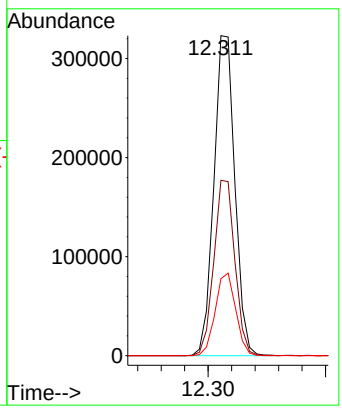




#89
n-Butylbenzene
Concen: 52.766 ug/l
RT: 12.311 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 91 Resp: 40099

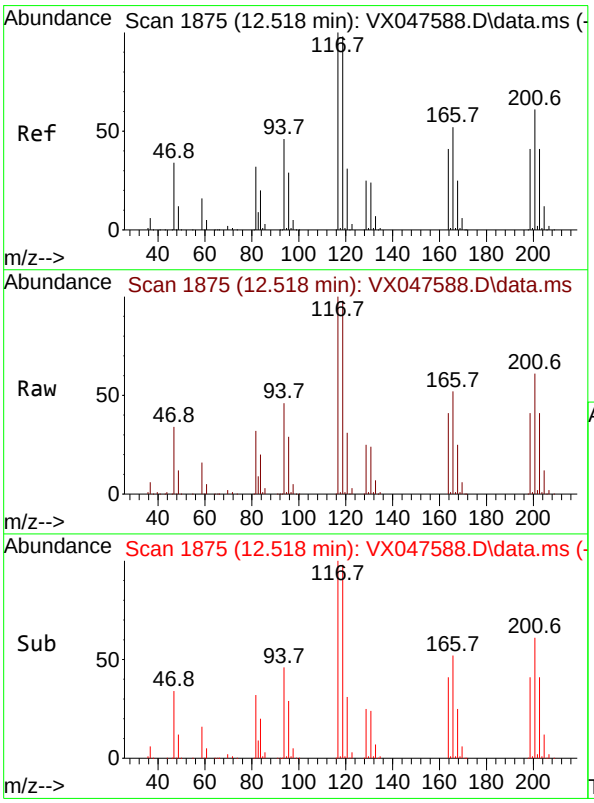
Ion	Ratio	Lower	Upper
91	100		
92	55.1	27.6	82.7
134	25.2	12.6	37.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

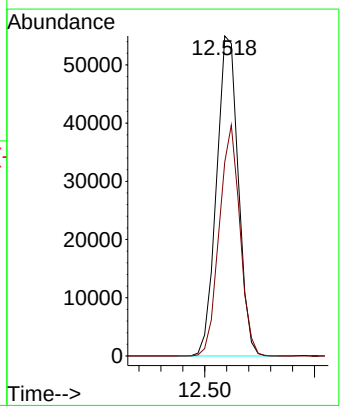
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

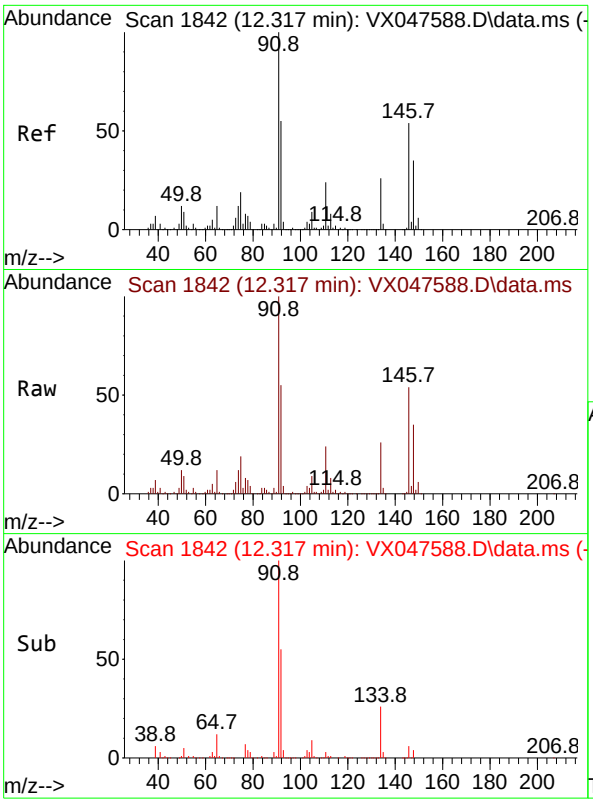


#90
Hexachloroethane
Concen: 52.567 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:117 Resp: 75800

Ion	Ratio	Lower	Upper
117	100		
201	68.3	34.2	102.5

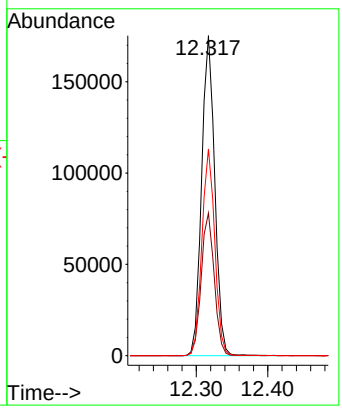




#91
1,2-Dichlorobenzene
Concen: 52.688 ug/l
RT: 12.317 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:146 Resp: 22299

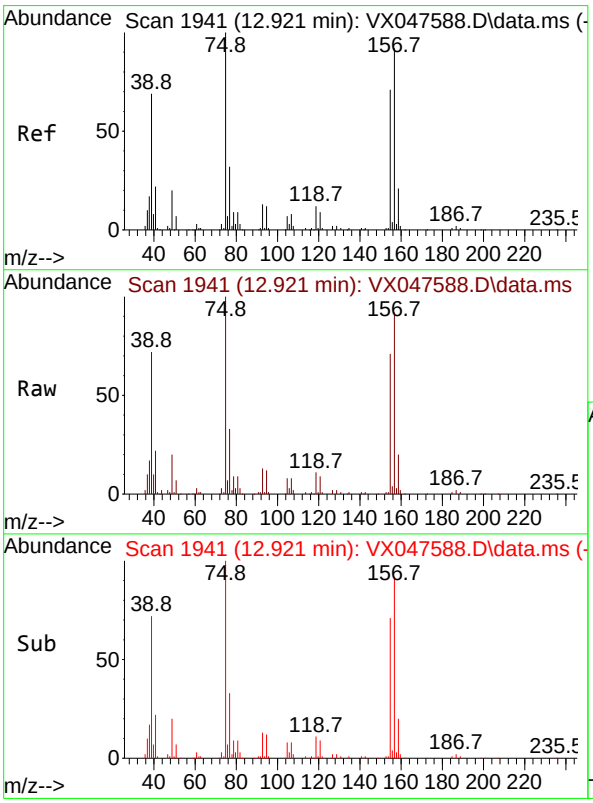
Ion	Ratio	Lower	Upper
146	100		
111	44.4	22.2	66.6
148	63.6	31.8	95.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

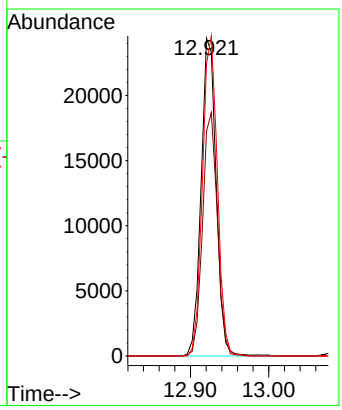
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

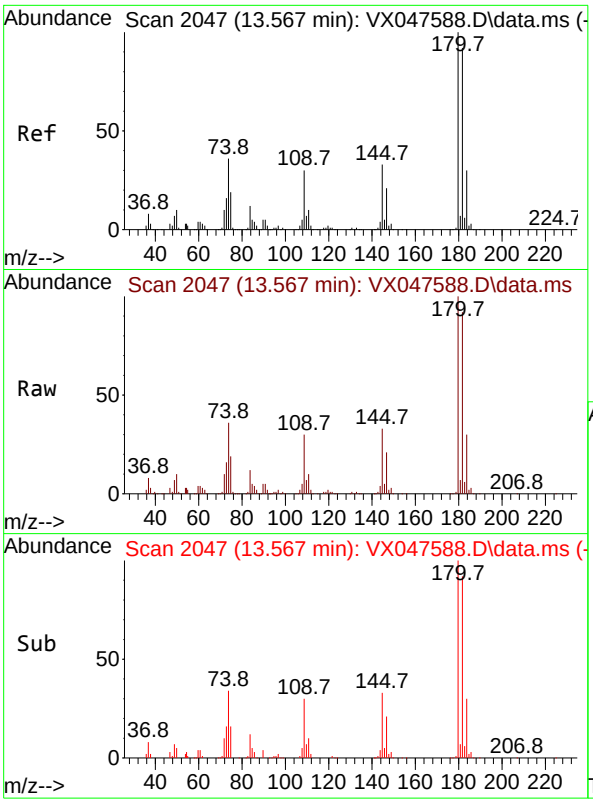


#92
1,2-Dibromo-3-Chloropropane
Concen: 54.554 ug/l
RT: 12.921 min Scan# 1941
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 75 Resp: 32451

Ion	Ratio	Lower	Upper
75	100		
155	75.4	37.7	113.1
157	99.6	49.8	149.4

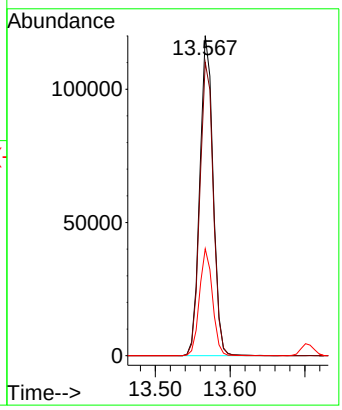




#93
1,2,4-Trichlorobenzene
Concen: 53.685 ug/l
RT: 13.567 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:180 Resp: 14767

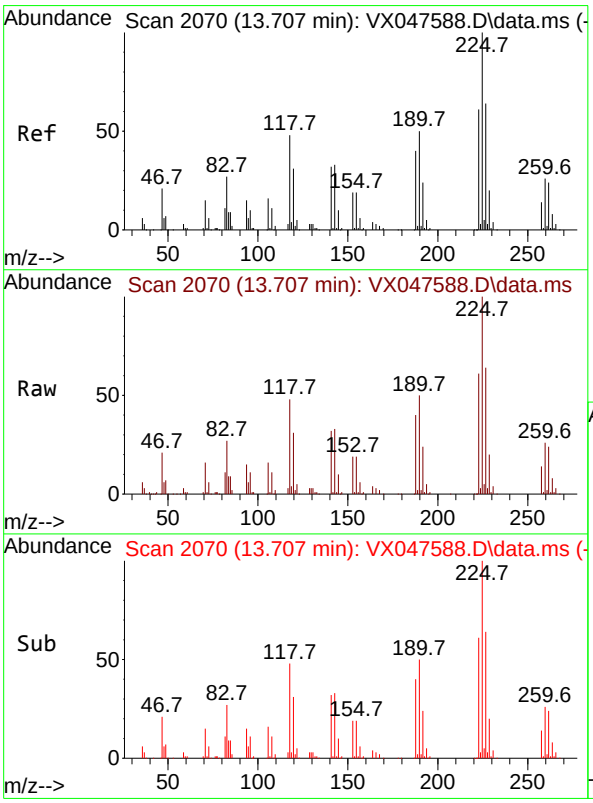
Ion	Ratio	Lower	Upper
180	100		
182	93.2	46.6	139.8
145	32.7	16.4	49.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

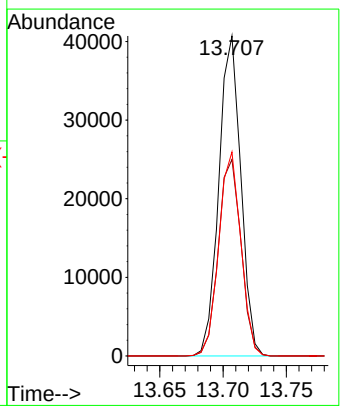
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

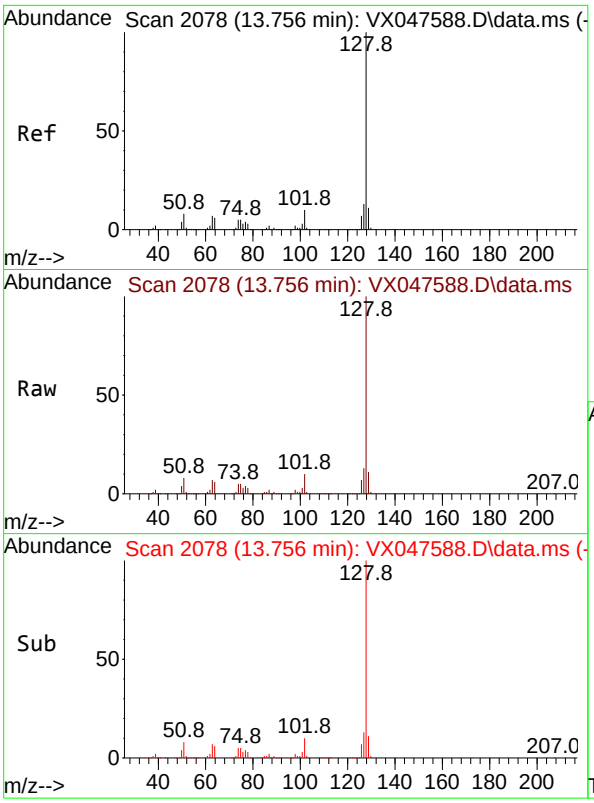


#94
Hexachlorobutadiene
Concen: 52.510 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:225 Resp: 49061

Ion	Ratio	Lower	Upper
225	100		
223	63.4	31.7	95.1
227	64.0	32.0	96.0

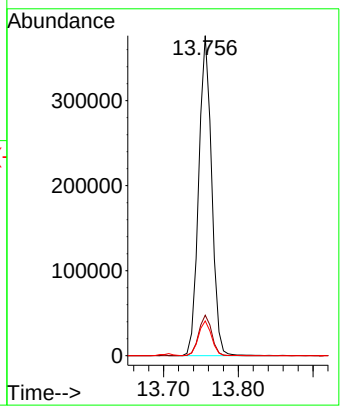




#95
Naphthalene
Concen: 53.966 ug/l
RT: 13.756 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:128 Resp: 45201

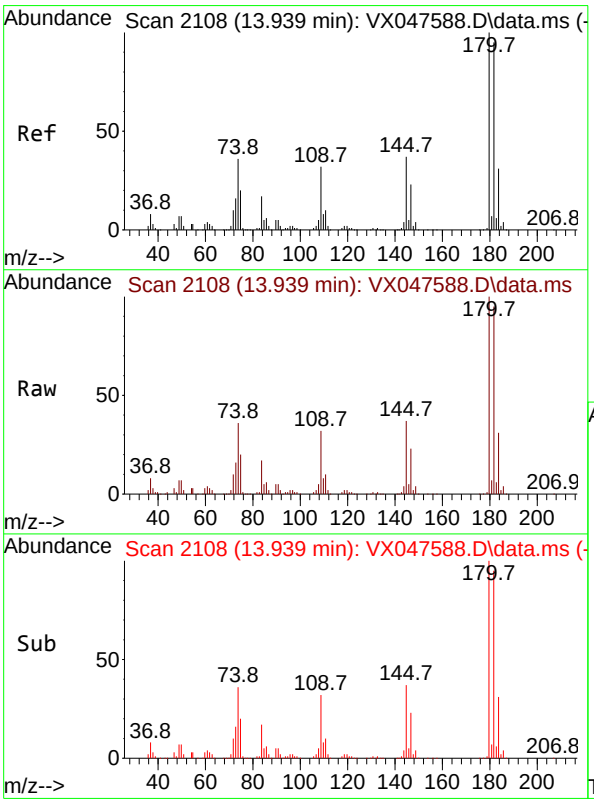
Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.2
129	11.0	8.8	13.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

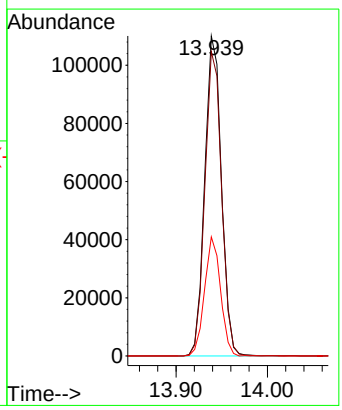
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025



#96
1,2,3-Trichlorobenzene
Concen: 54.316 ug/l
RT: 13.939 min Scan# 2108
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:180 Resp: 138978

Ion	Ratio	Lower	Upper
180	100		
182	95.2	47.6	142.8
145	35.8	17.9	53.7



Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047589.D
Acq On : 16 Sep 2025 11:40
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 17 06:15:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:04:35 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.532	168	169280	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.739	114	298913	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	258399	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	122218	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.934	65	275758	102.341	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 204.680%#			
35) Dibromofluoromethane	5.361	113	212419	105.962	ug/l	-0.01
Spiked Amount 50.000	Range 75 - 124		Recovery = 211.920%#			
50) Toluene-d8	8.629	98	724078	104.386	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 208.780%#			
62) 4-Bromofluorobenzene	11.061	95	270289	102.672	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 205.340%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.173	85	172727	98.537	ug/l	100
3) Chloromethane	1.301	50	229165	99.472	ug/l	100
4) Vinyl Chloride	1.380	62	229175	101.621	ug/l	100
5) Bromomethane	1.611	94	143113	100.076	ug/l	99
6) Chloroethane	1.691	64	152487	101.167	ug/l	99
7) Trichlorofluoromethane	1.892	101	344488	102.878	ug/l	100
8) Diethyl Ether	2.130	74	142038	103.695	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.331	101	199843	102.067	ug/l	99
10) Methyl Iodide	2.453	142	313092	102.531	ug/l	99
11) Tert butyl alcohol	2.947	59	152108	506.863	ug/l	98
12) 1,1-Dichloroethene	2.319	96	206097	102.473	ug/l	93
13) Acrolein	2.233	56	150793	545.276	ug/l	97
14) Allyl chloride	2.660	41	415140	100.028	ug/l	99
15) Acrylonitrile	3.056	53	581240	522.897	ug/l	100
16) Acetone	2.374	43	510542	435.772	ug/l	100
17) Carbon Disulfide	2.514	76	537888	97.693	ug/l	98
18) Methyl Acetate	2.697	43	292867	112.324	ug/l	100
19) Methyl tert-butyl Ether	3.105	73	748952	102.011	ug/l	100
20) Methylene Chloride	2.782	84	242548	97.805	ug/l	97
21) trans-1,2-Dichloroethene	3.087	96	217759	100.566	ug/l	98
22) Diisopropyl ether	3.745	45	811840	100.934	ug/l	88
23) Vinyl Acetate	3.709	43	3314707	514.916	ug/l	99
24) 1,1-Dichloroethane	3.599	63	435815	101.944	ug/l	98
25) 2-Butanone	4.532	43	700827	479.558	ug/l	97
26) 2,2-Dichloropropane	4.465	77	357292	100.542	ug/l	99
27) cis-1,2-Dichloroethene	4.471	96	266550	100.516	ug/l	100
28) Bromochloromethane	4.873	49	198788	106.512	ug/l	99
29) Tetrahydrofuran	4.977	42	443530	504.502	ug/l	99
30) Chloroform	5.074	83	433937	100.447	ug/l	100
31) Cyclohexane	5.452	56	332995	93.523	ug/l	96
32) 1,1,1-Trichloroethane	5.367	97	372323	101.607	ug/l	99
36) 1,1-Dichloropropene	5.672	75	281650	96.149	ug/l	98
37) Ethyl Acetate	4.690	43	318793	101.641	ug/l	99
38) Carbon Tetrachloride	5.660	117	314745	98.891	ug/l	98
39) Methylcyclohexane	7.360	83	327858	98.600	ug/l	98
40) Benzene	6.019	78	880885	99.009	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047589.D
Acq On : 16 Sep 2025 11:40
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 17 06:15:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:04:35 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	4.891	41	168753	104.220 ug/l	99
42) 1,2-Dichloroethane	6.062	62	331465	97.916 ug/l	100
43) Isopropyl Acetate	6.318	43	516875	100.482 ug/l	99
44) Trichloroethene	7.104	130	217753	101.234 ug/l	96
45) 1,2-Dichloropropane	7.409	63	228150	100.145 ug/l	100
46) Dibromomethane	7.562	93	164987	99.519 ug/l	99
47) Bromodichloromethane	7.806	83	345991	101.136 ug/l	98
48) Methyl methacrylate	7.671	41	260358	101.612 ug/l	100
49) 1,4-Dioxane	7.641	88	56717	2190.315 ug/l	99
51) 4-Methyl-2-Pentanone	8.555	43	1431253	501.834 ug/l	100
52) Toluene	8.702	92	536148	97.811 ug/l	99
53) t-1,3-Dichloropropene	8.958	75	355881	101.986 ug/l	100
54) cis-1,3-Dichloropropene	8.348	75	380577	102.038 ug/l	99
55) 1,1,2-Trichloroethane	9.135	97	205939	97.434 ug/l	97
56) Ethyl methacrylate	9.098	69	346659	104.435 ug/l	99
57) 1,3-Dichloropropane	9.293	76	362848	99.935 ug/l	98
58) 2-Chloroethyl Vinyl ether	8.226	63	836362	499.814 ug/l	100
59) 2-Hexanone	9.415	43	996274	486.380 ug/l	100
60) Dibromochloromethane	9.506	129	251394	103.226 ug/l	99
61) 1,2-Dibromoethane	9.592	107	217751	101.147 ug/l	100
64) Tetrachloroethene	9.256	164	165559	98.284 ug/l	98
65) Chlorobenzene	10.061	112	588517	100.253 ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.147	131	208621	102.988 ug/l	100
67) Ethyl Benzene	10.177	91	1031346	101.823 ug/l	100
68) m/p-Xylenes	10.287	106	763898	202.624 ug/l	99
69) o-Xylene	10.622	106	372621	102.186 ug/l	99
70) Styrene	10.634	104	649863	101.710 ug/l	100
71) Bromoform	10.781	173	161188	106.566 ug/l	98
73) Isopropylbenzene	10.945	105	954900	102.768 ug/l	100
74) N-amyl acetate	10.823	43	448344	105.812 ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.195	83	281608	100.172 ug/l	98
76) 1,2,3-Trichloropropane	11.220	75	229521m	90.444 ug/l	
77) Bromobenzene	11.183	156	234666	102.541 ug/l	98
78) n-propylbenzene	11.287	91	1119728	101.941 ug/l	99
79) 2-Chlorotoluene	11.348	91	683867	101.652 ug/l	99
80) 1,3,5-Trimethylbenzene	11.433	105	787327	103.134 ug/l	100
81) trans-1,4-Dichloro-2-b...	11.000	75	102555	105.689 ug/l	98
82) 4-Chlorotoluene	11.433	91	802929	101.054 ug/l	100
83) tert-Butylbenzene	11.695	119	791896	101.333 ug/l	100
84) 1,2,4-Trimethylbenzene	11.732	105	790557	102.144 ug/l	99
85) sec-Butylbenzene	11.872	105	945321	101.840 ug/l	100
86) p-Isopropyltoluene	11.994	119	797643	101.501 ug/l	99
87) 1,3-Dichlorobenzene	11.951	146	432248	101.689 ug/l	100
88) 1,4-Dichlorobenzene	12.024	146	431839	98.985 ug/l	100
89) n-Butylbenzene	12.311	91	757239	104.138 ug/l	99
90) Hexachloroethane	12.518	117	148048	107.304 ug/l	100
91) 1,2-Dichlorobenzene	12.317	146	414491	102.352 ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.920	75	61029	107.225 ug/l	98
93) 1,2,4-Trichlorobenzene	13.567	180	278777	105.922 ug/l	100
94) Hexachlorobutadiene	13.707	225	92124	103.049 ug/l	99
95) Naphthalene	13.756	128	854492	106.620 ug/l	100
96) 1,2,3-Trichlorobenzene	13.939	180	263512	107.633 ug/l	98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047589.D
Acq On : 16 Sep 2025 11:40
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

Quant Time: Sep 17 06:15:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:04:35 2025
Response via : Initial Calibration

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

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

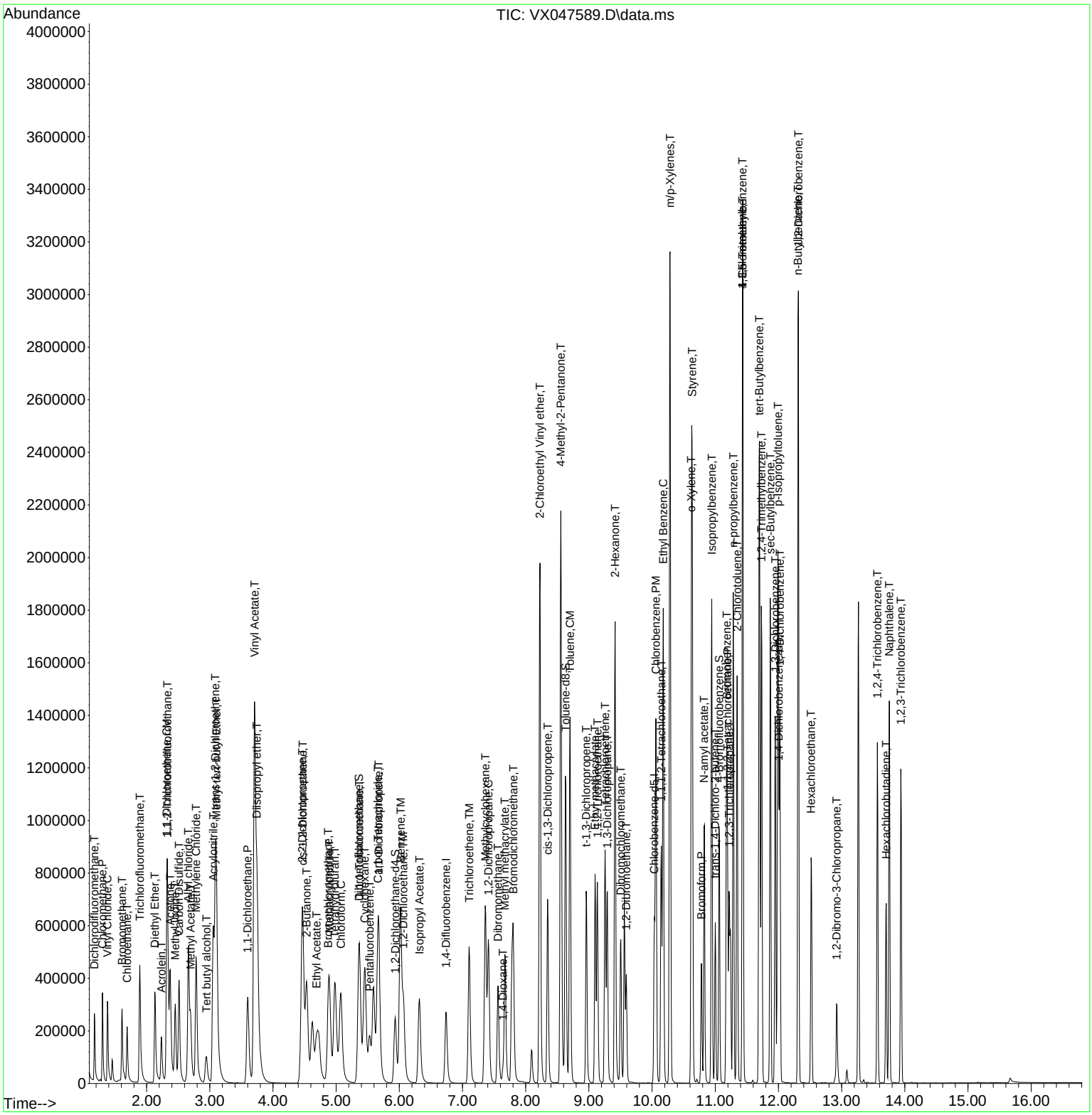
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047589.D
Acq On : 16 Sep 2025 11:40
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

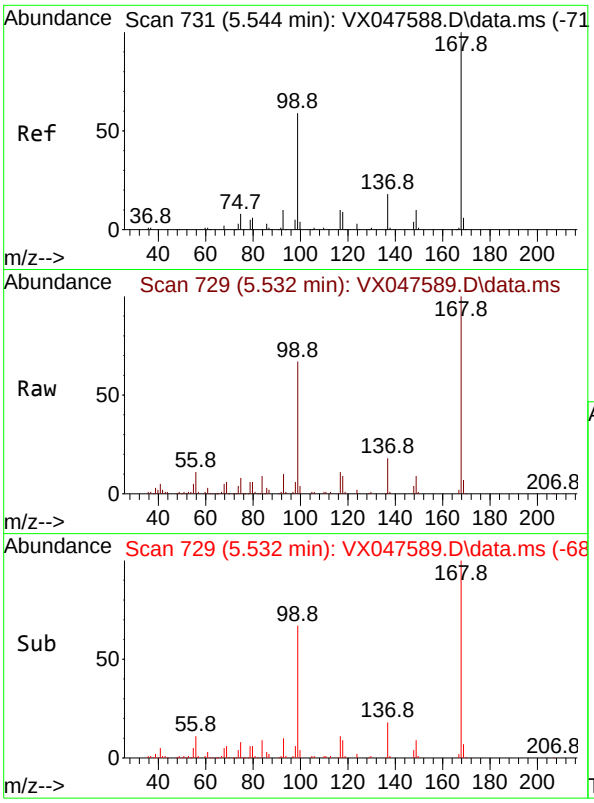
Quant Time: Sep 17 06:15:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:04:35 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

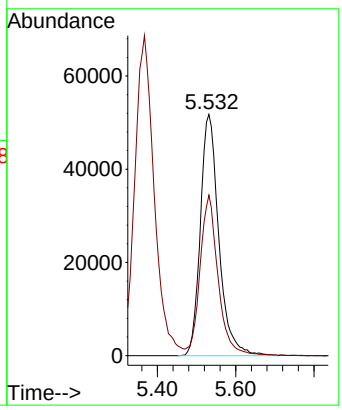




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.532 min Scan# 7
Delta R.T. -0.012 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:168 Resp: 16928

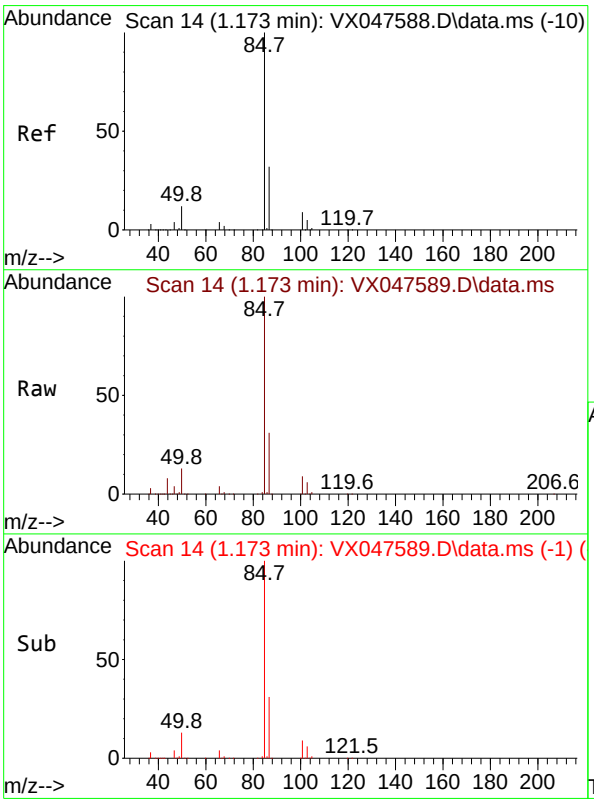
Ion	Ratio	Lower	Upper
168	100		
99	66.4	48.8	73.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

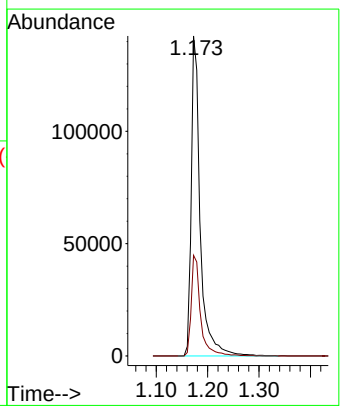
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

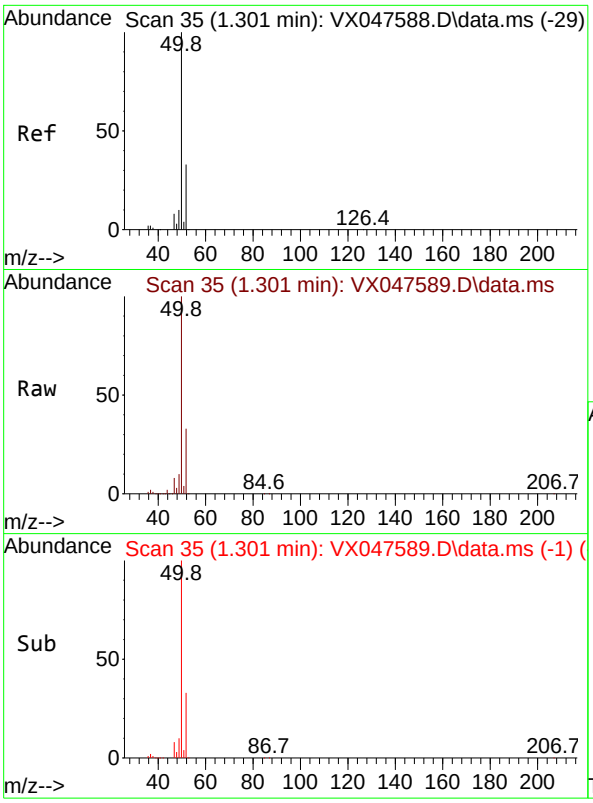


#2
Dichlorodifluoromethane
Concen: 98.537 ug/l
RT: 1.173 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 85 Resp: 172727

Ion	Ratio	Lower	Upper
85	100		
87	31.4	15.8	47.3

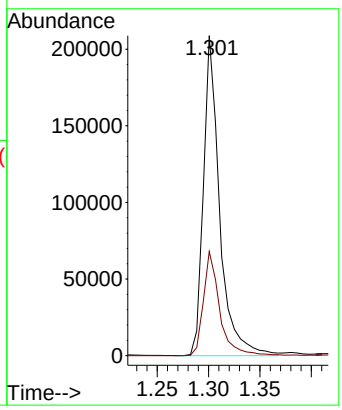




#3
Chloromethane
Concen: 99.472 ug/l
RT: 1.301 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 50 Resp: 22916

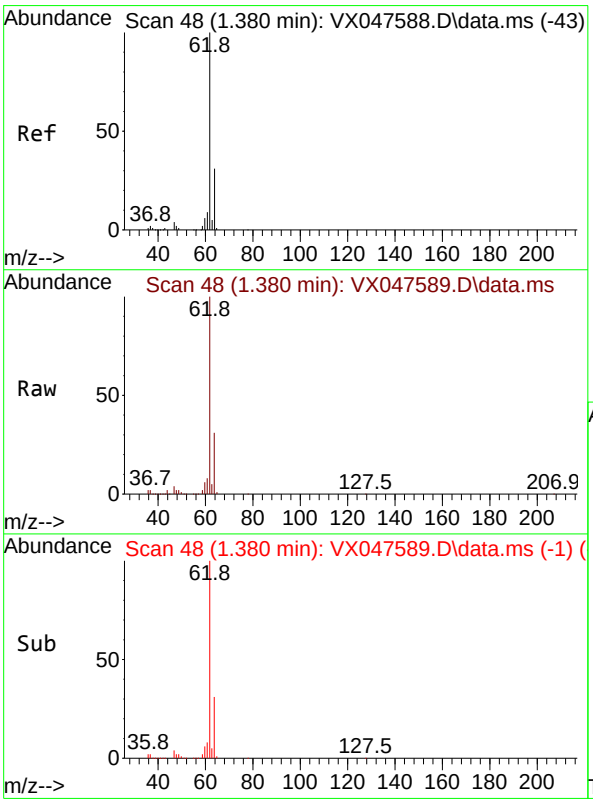
Ion	Ratio	Lower	Upper
50	100		
52	32.5	26.1	39.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

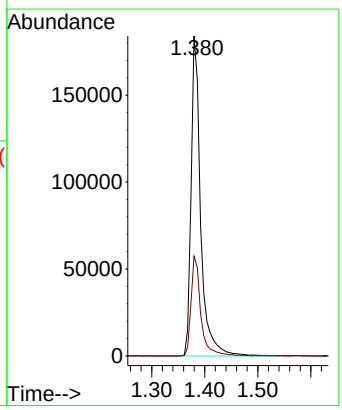
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

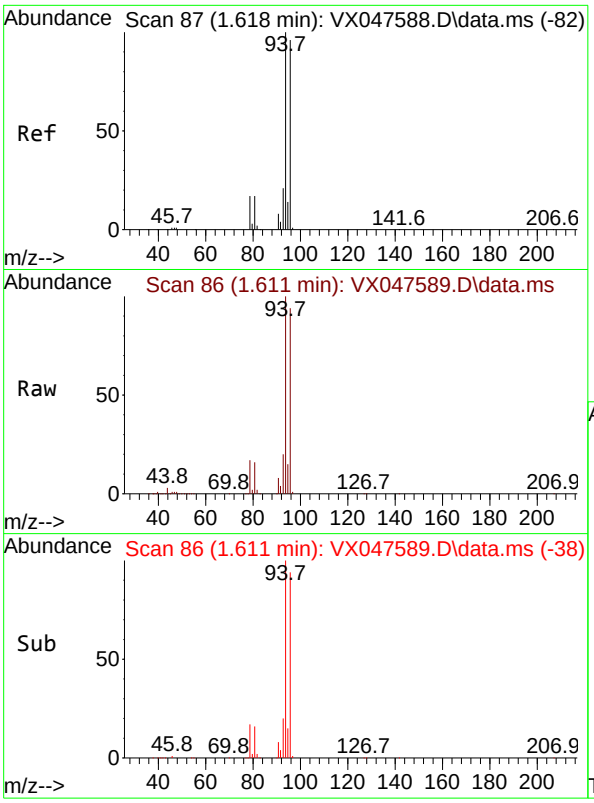


#4
Vinyl Chloride
Concen: 101.621 ug/l
RT: 1.380 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 62 Resp: 229175

Ion	Ratio	Lower	Upper
62	100		
64	31.1	24.9	37.3

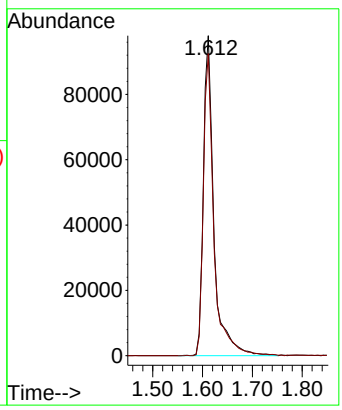




#5
Bromomethane
Concen: 100.076 ug/l
RT: 1.611 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 94 Resp: 14311

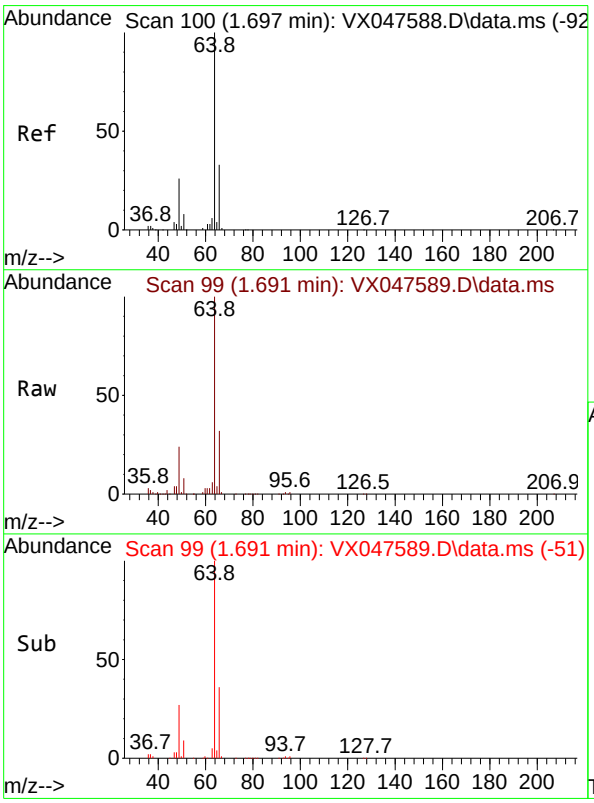
Ion	Ratio	Lower	Upper
94	100		
96	94.4	76.6	115.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

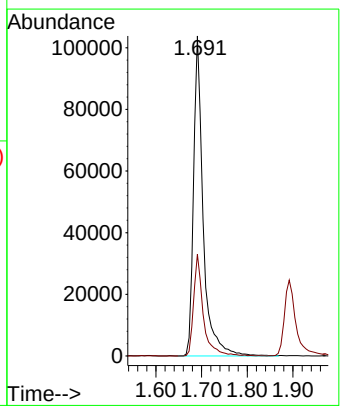
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

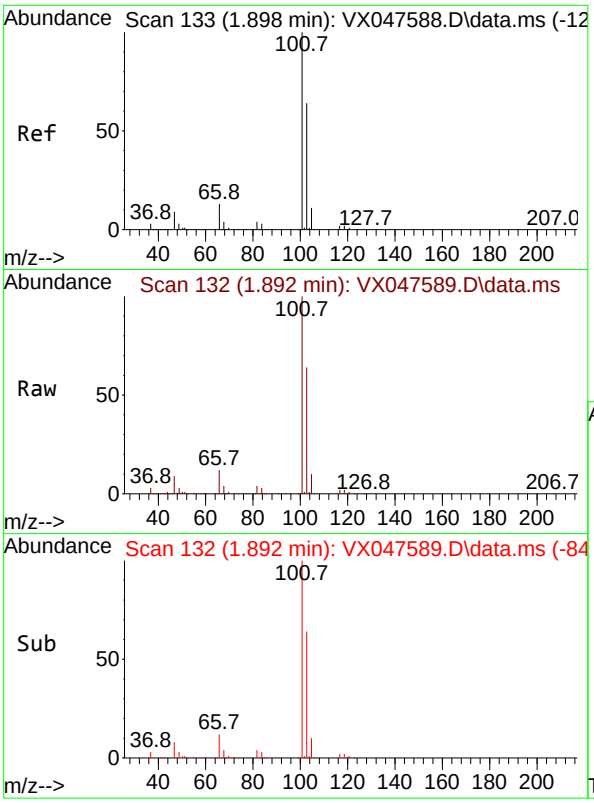


#6
Chloroethane
Concen: 101.167 ug/l
RT: 1.691 min Scan# 99
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 64 Resp: 152487

Ion	Ratio	Lower	Upper
64	100		
66	31.8	26.1	39.1

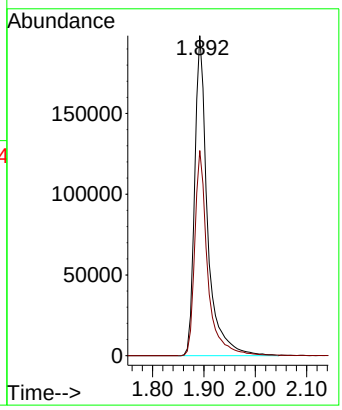




#7
Trichlorofluoromethane
Concen: 102.878 ug/l
RT: 1.892 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:101 Resp: 34448

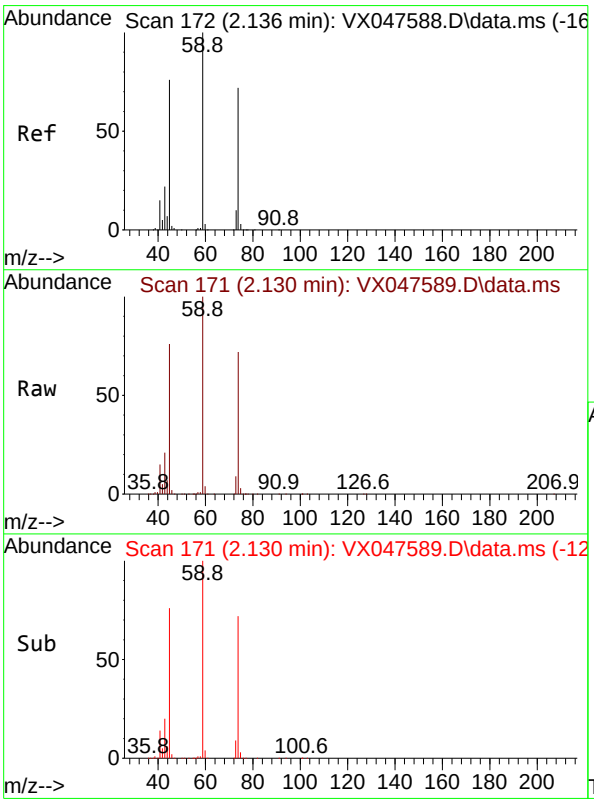
Ion	Ratio	Lower	Upper
101	100		
103	64.1	51.4	77.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

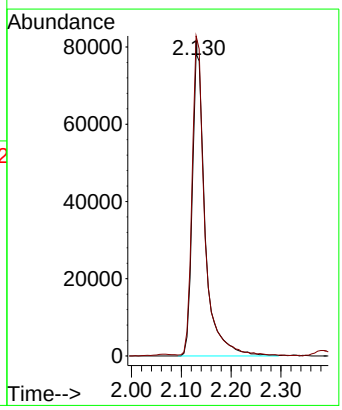
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

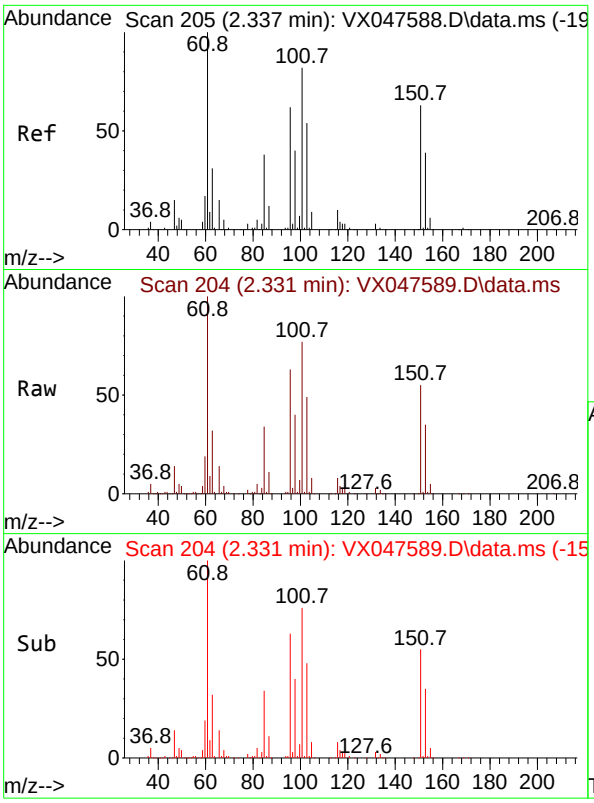


#8
Diethyl Ether
Concen: 103.695 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 74 Resp: 142038

Ion	Ratio	Lower	Upper
74	100		
45	104.6	52.3	156.8

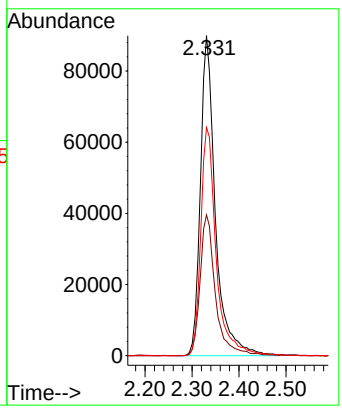




#9
1,1,2-Trichlorotrifluoroethane
Concen: 102.067 ug/l
RT: 2.331 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

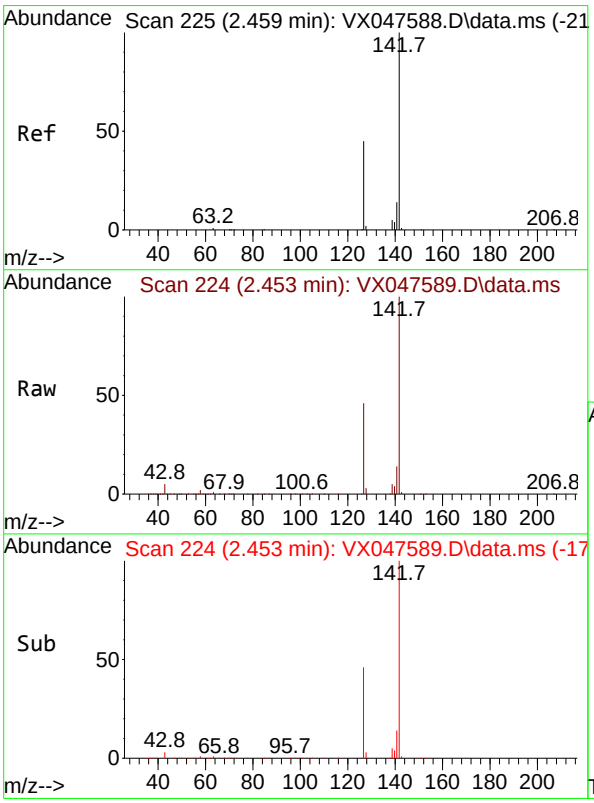
Tgt Ion:101 Resp: 19984

Ion	Ratio	Lower	Upper
101	100		
85	45.1	35.5	53.3
151	73.6	59.4	89.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

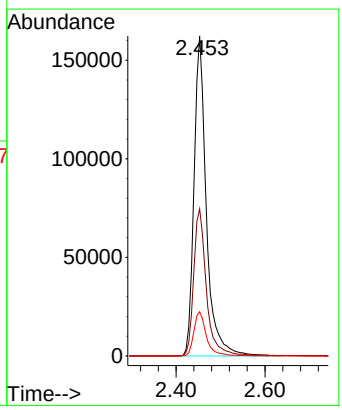
Manual Integrations APPROVED
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

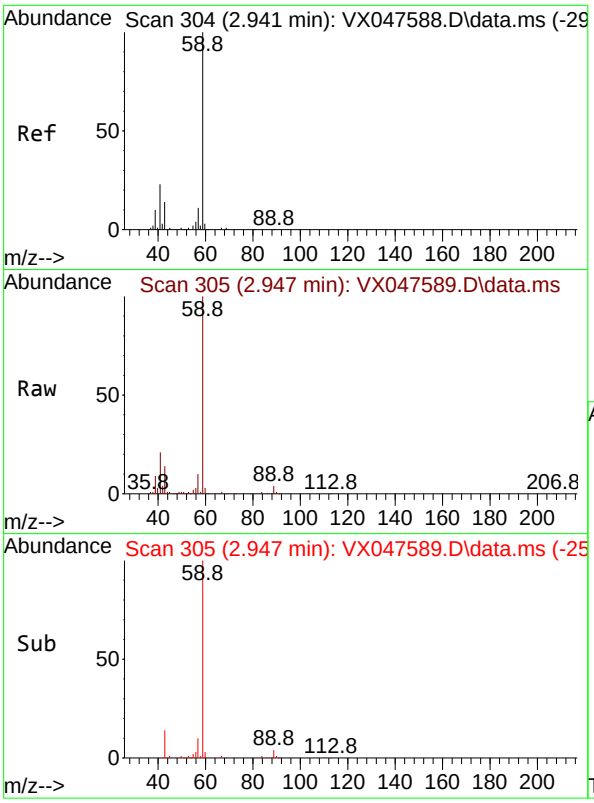


#10
Methyl Iodide
Concen: 102.531 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:142 Resp: 313092

Ion	Ratio	Lower	Upper
142	100		
127	47.3	37.2	55.8
141	14.1	11.4	17.0

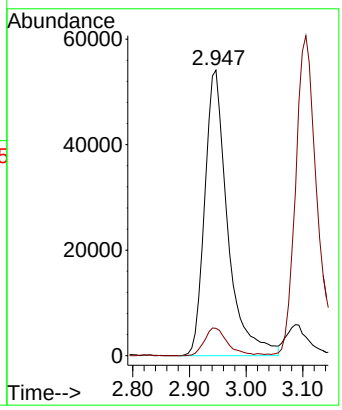




#11
Tert butyl alcohol
Concen: 506.863 ug/l
RT: 2.947 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 59 Resp: 15210

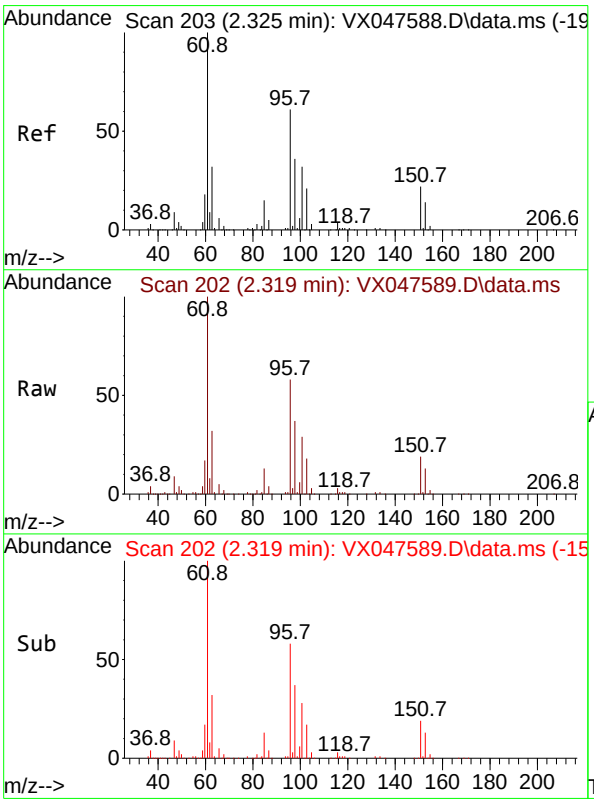
Ion	Ratio	Lower	Upper
59	100		
57	9.7	8.3	12.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

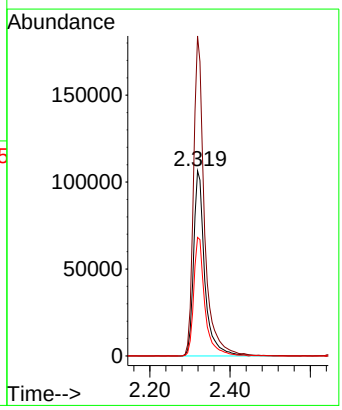
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

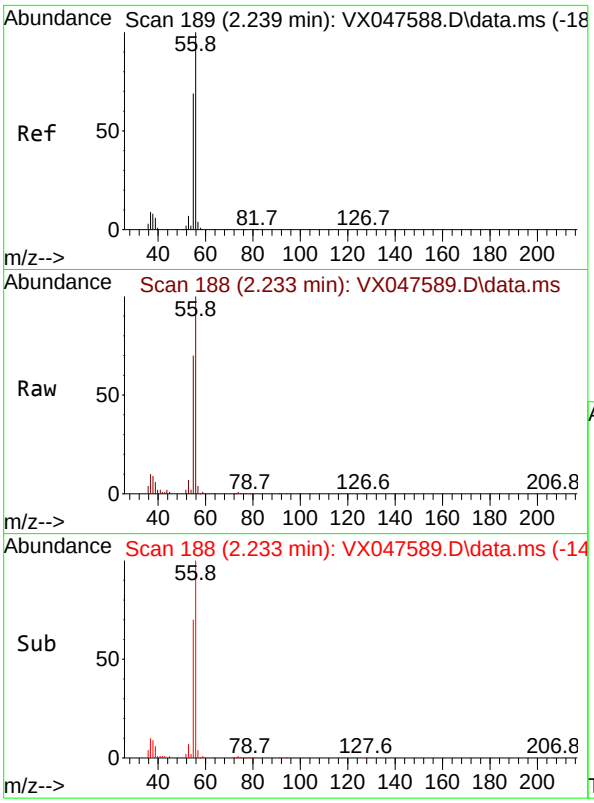


#12
1,1-Dichloroethene
Concen: 102.473 ug/l
RT: 2.319 min Scan# 202
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 96 Resp: 206097

Ion	Ratio	Lower	Upper
96	100		
61	172.9	131.0	196.6
98	64.0	47.7	71.5

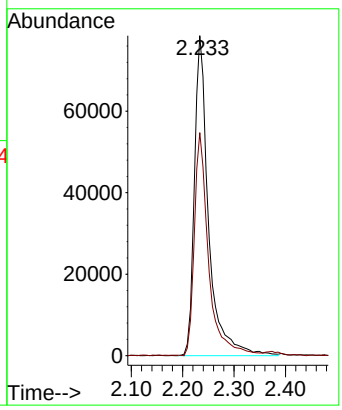




#13
Acrolein
Concen: 545.276 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 56 Resp: 15079

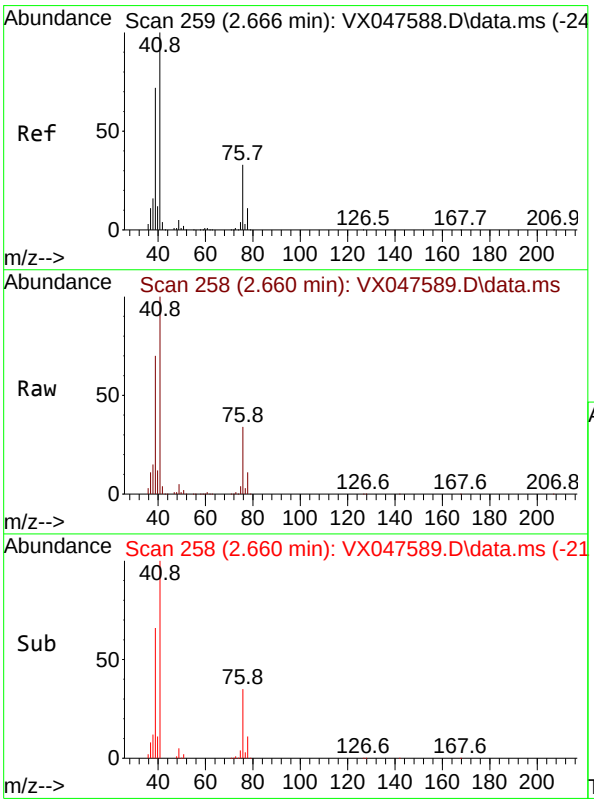
Ion	Ratio	Lower	Upper
56	100		
55	69.4	57.2	85.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

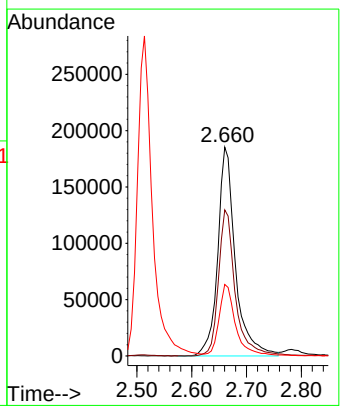
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

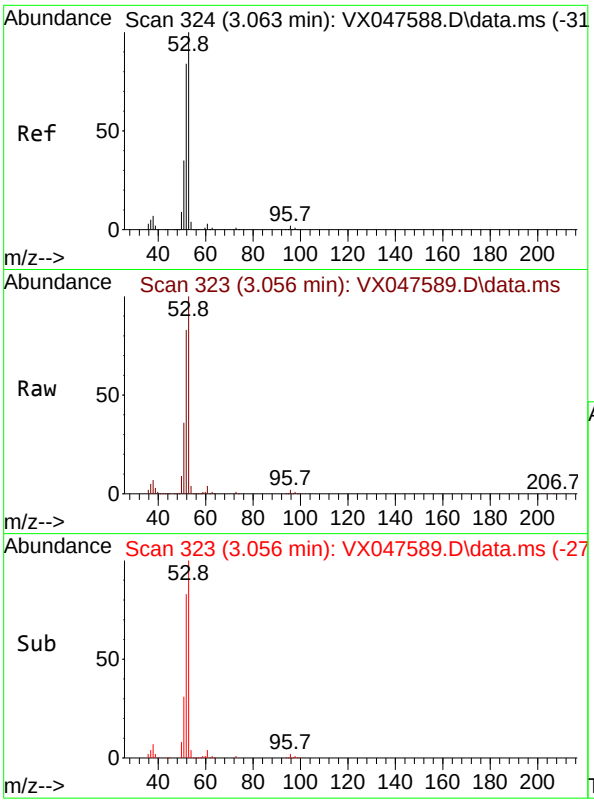


#14
Allyl chloride
Concen: 100.028 ug/l
RT: 2.660 min Scan# 258
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 41 Resp: 415140

Ion	Ratio	Lower	Upper
41	100		
39	67.0	54.7	82.1
76	32.2	25.7	38.5

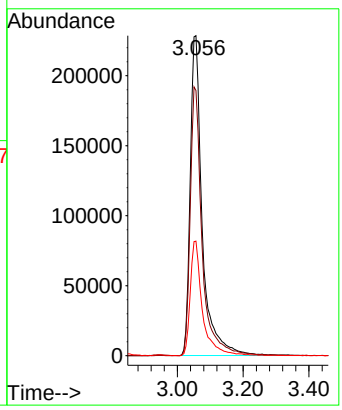




#15
Acrylonitrile
Concen: 522.897 ug/l
RT: 3.056 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 53 Resp: 58124

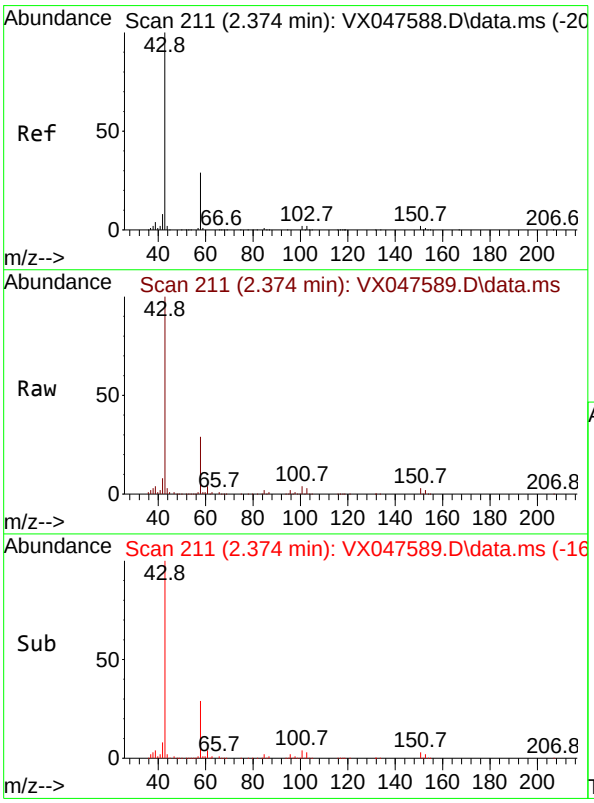
Ion	Ratio	Lower	Upper
53	100		
52	82.9	66.4	99.6
51	36.4	29.5	44.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

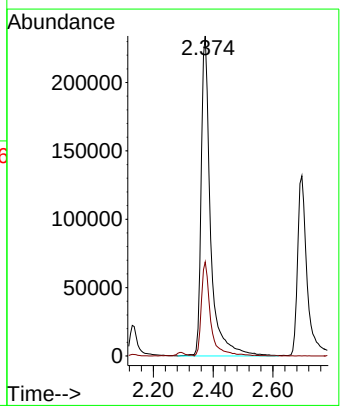
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

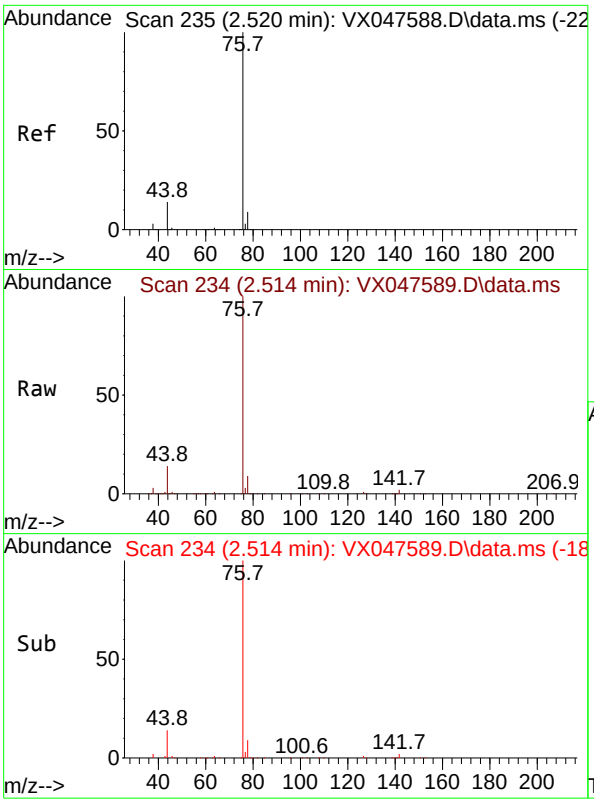


#16
Acetone
Concen: 435.772 ug/l
RT: 2.374 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 43 Resp: 510542

Ion	Ratio	Lower	Upper
43	100		
58	29.4	23.4	35.0

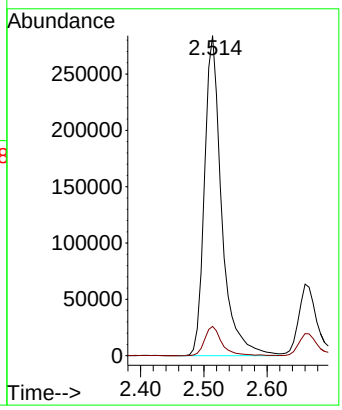




#17
Carbon Disulfide
Concen: 97.693 ug/l
RT: 2.514 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 76 Resp: 53788

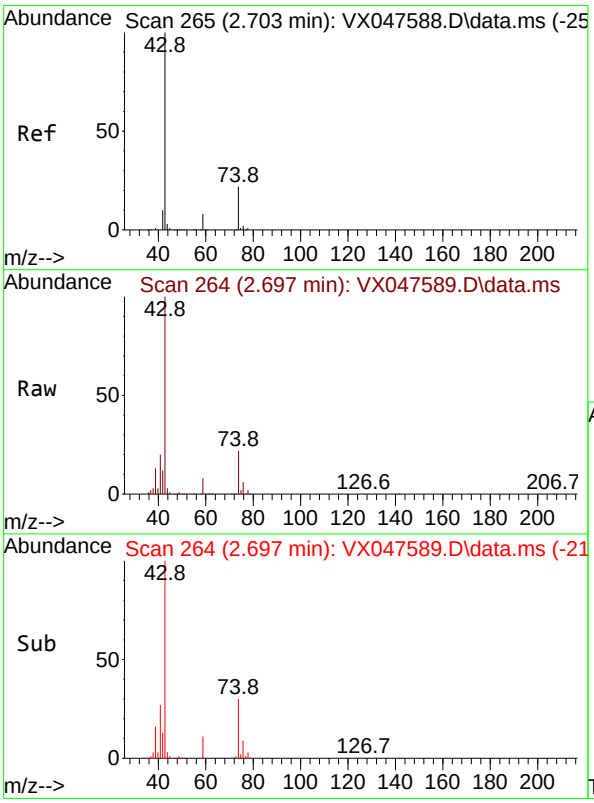
Ion	Ratio	Lower	Upper
76	100		
78	9.2	6.8	10.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

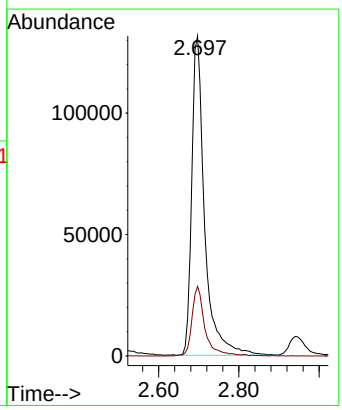
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

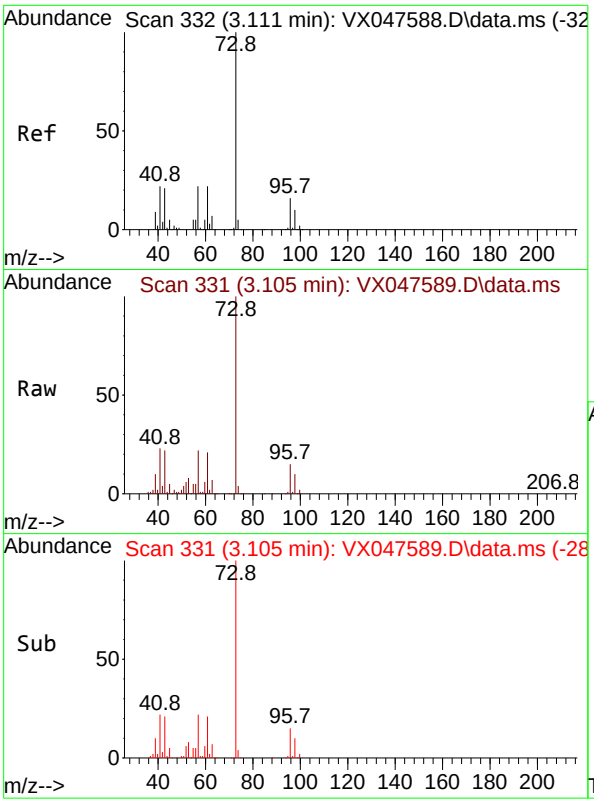


#18
Methyl Acetate
Concen: 112.324 ug/l
RT: 2.697 min Scan# 264
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 43 Resp: 292867

Ion	Ratio	Lower	Upper
43	100		
74	21.8	17.4	26.2

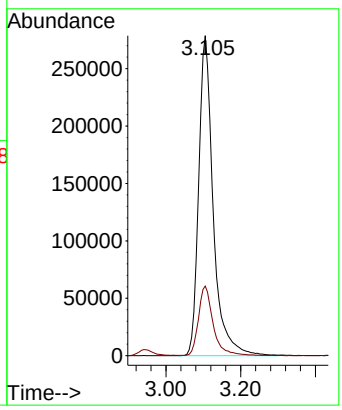




#19
Methyl tert-butyl Ether
Concen: 102.011 ug/l
RT: 3.105 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 73 Resp: 74895

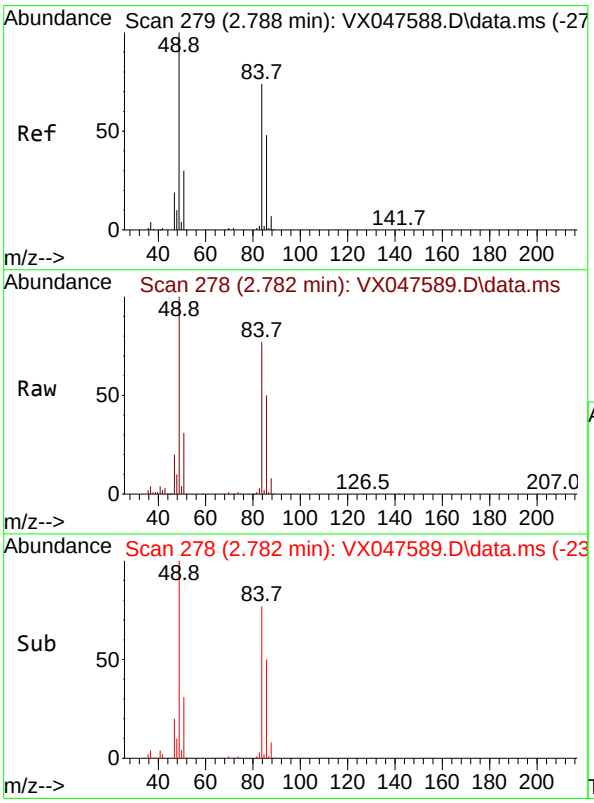
Ion	Ratio	Lower	Upper
73	100		
57	21.7	17.4	26.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

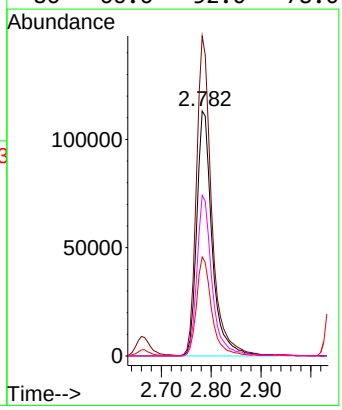
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

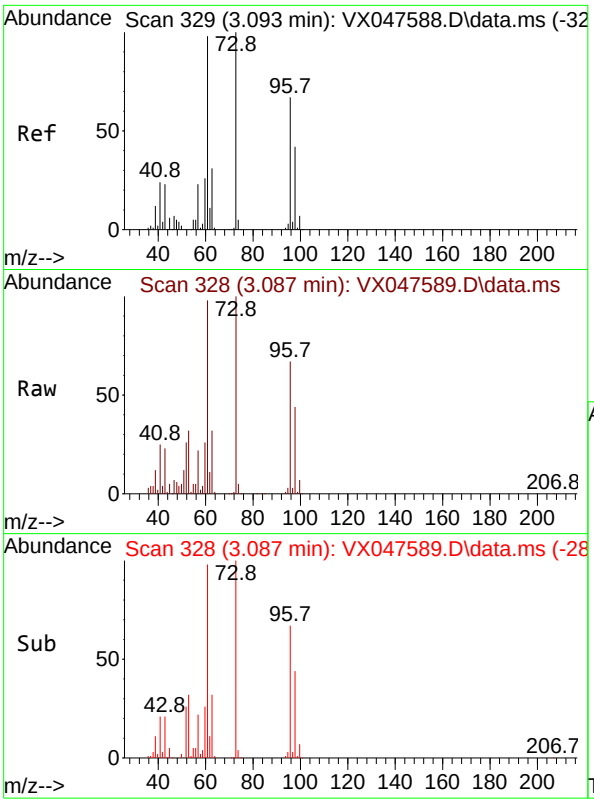


#20
Methylene Chloride
Concen: 97.805 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 84 Resp: 242548

Ion	Ratio	Lower	Upper
84	100		
49	130.4	108.6	162.8
51	40.3	32.6	48.8
86	66.6	52.0	78.0

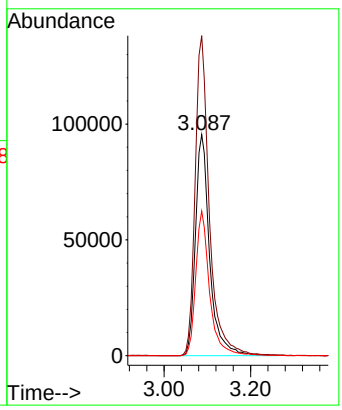




#21
trans-1,2-Dichloroethene
Concen: 100.566 ug/l
RT: 3.087 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 96 Resp: 21775

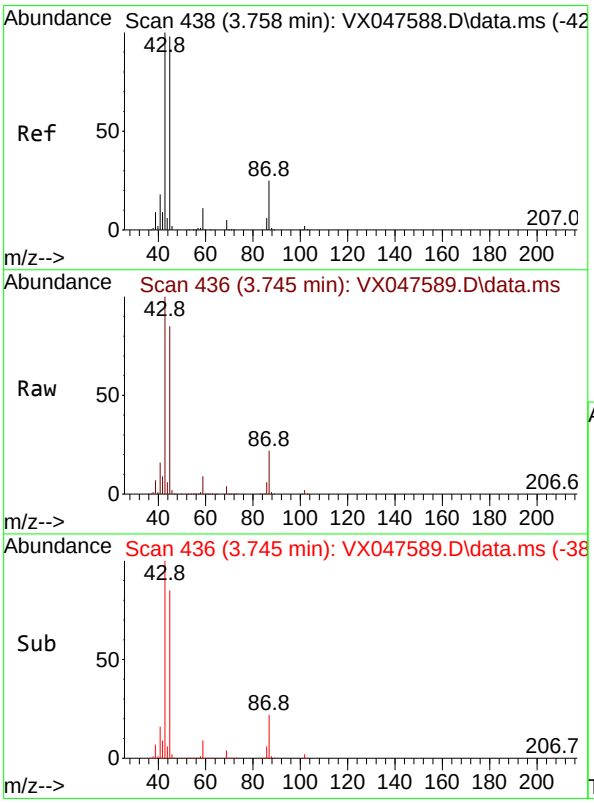
Ion	Ratio	Lower	Upper
96	100		
61	144.7	116.2	174.2
98	65.4	49.3	73.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

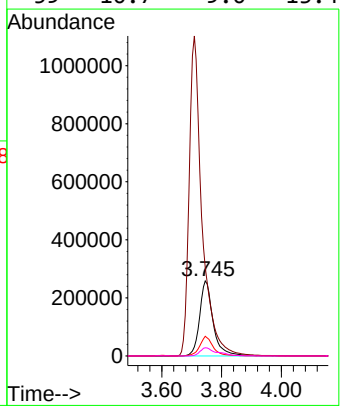
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

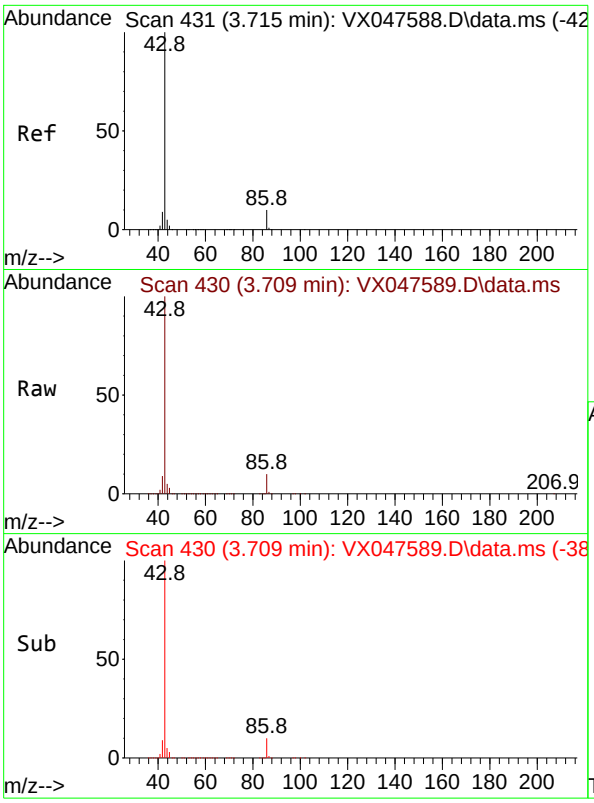


#22
Diisopropyl ether
Concen: 100.934 ug/l
RT: 3.745 min Scan# 436
Delta R.T. -0.012 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 45 Resp: 811840

Ion	Ratio	Lower	Upper
45	100		
43	117.3	81.0	121.4
87	26.1	20.3	30.5
59	10.7	9.0	13.4

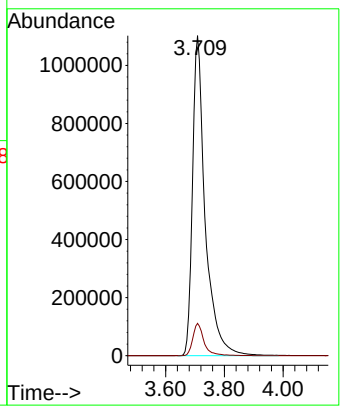




#23
Vinyl Acetate
Concen: 514.916 ug/l
RT: 3.709 min Scan# 4
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 43 Resp: 331470

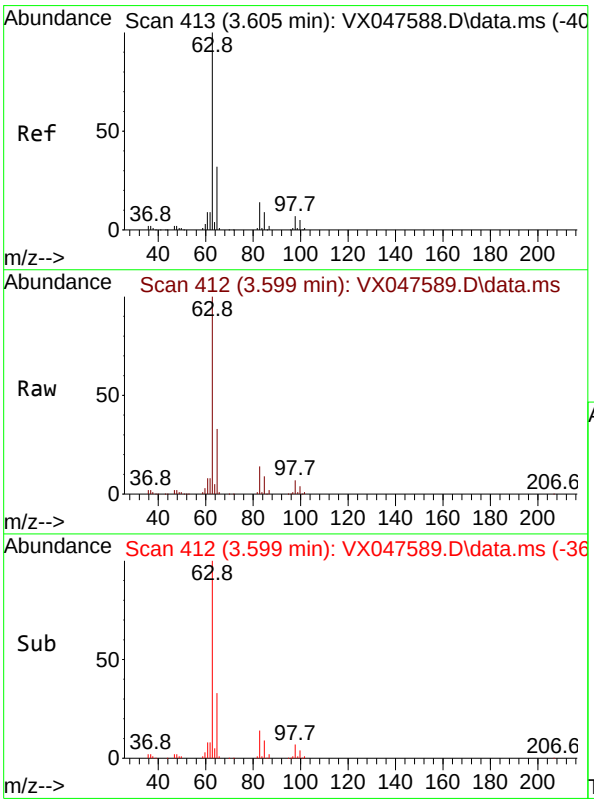
Ion	Ratio	Lower	Upper
43	100		
86	10.1	7.8	11.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

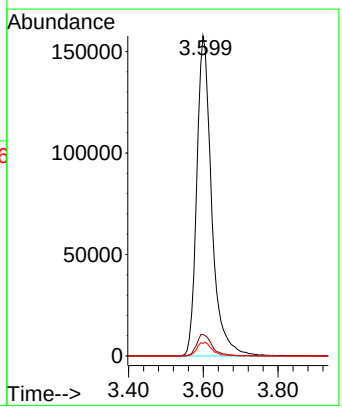
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

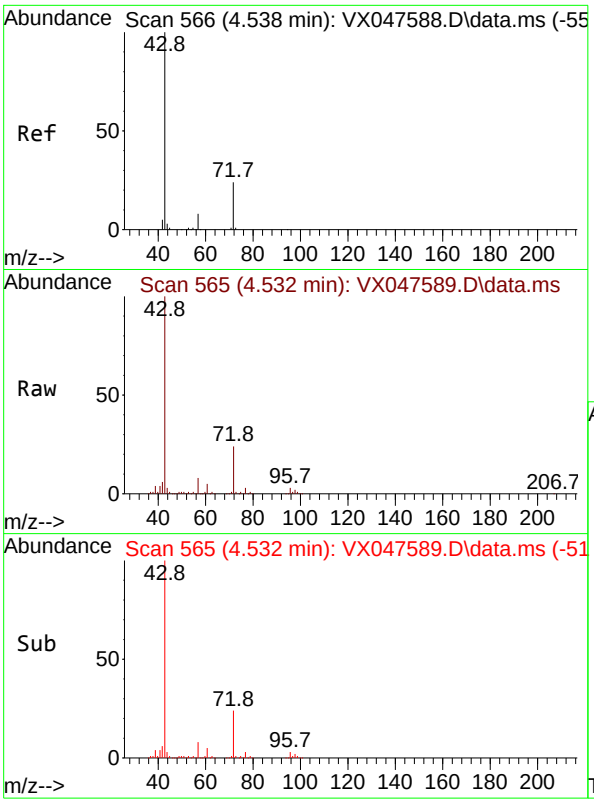


#24
1,1-Dichloroethane
Concen: 101.944 ug/l
RT: 3.599 min Scan# 412
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 63 Resp: 435815

Ion	Ratio	Lower	Upper
63	100		
98	6.7	3.8	11.2
100	4.0	2.3	6.9





#25
2-Butanone
Concen: 479.558 ug/l
RT: 4.532 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

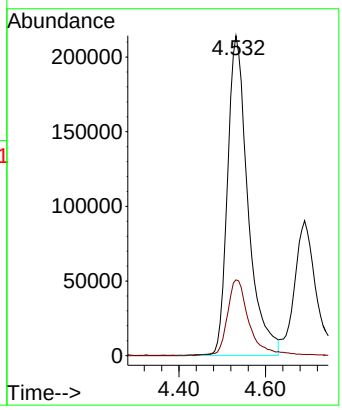
Tgt Ion: 43 Resp: 70082

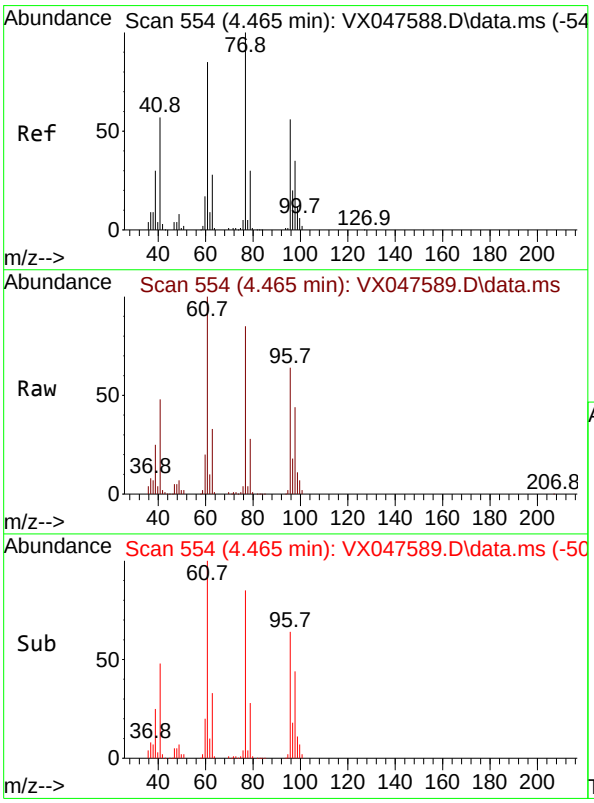
Ion	Ratio	Lower	Upper
43	100		
72	23.8	20.1	30.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

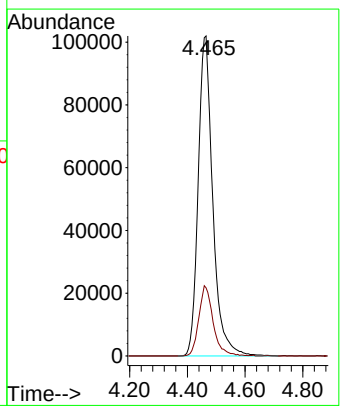


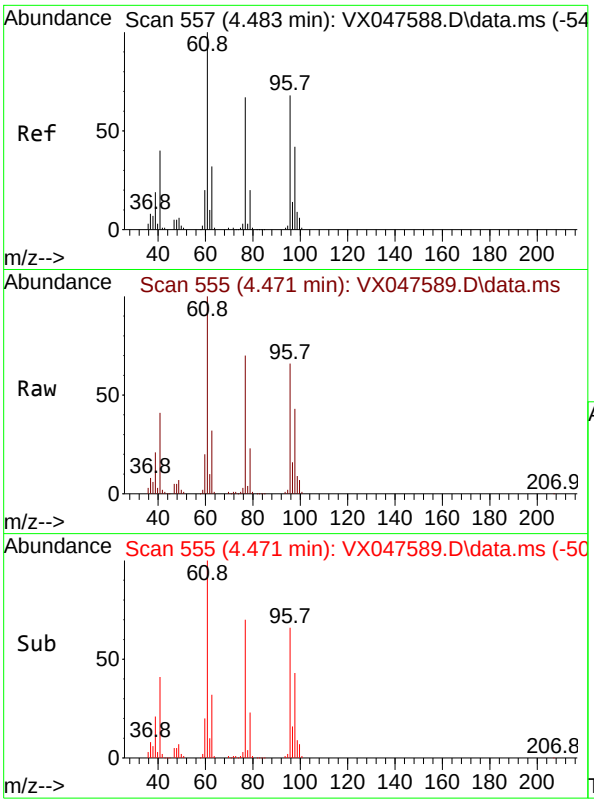


#26
2,2-Dichloropropane
Concen: 100.542 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 77 Resp: 357292

Ion	Ratio	Lower	Upper
77	100		
97	21.6	10.9	32.7

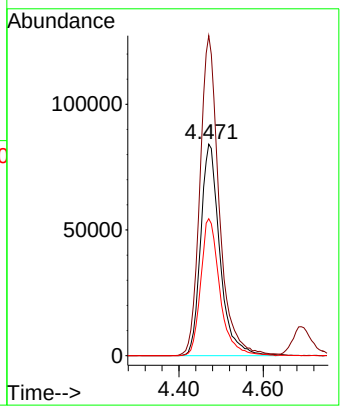




#27
cis-1,2-Dichloroethene
Concen: 100.516 ug/l
RT: 4.471 min Scan# 5
Delta R.T. -0.012 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 96 Resp: 26655

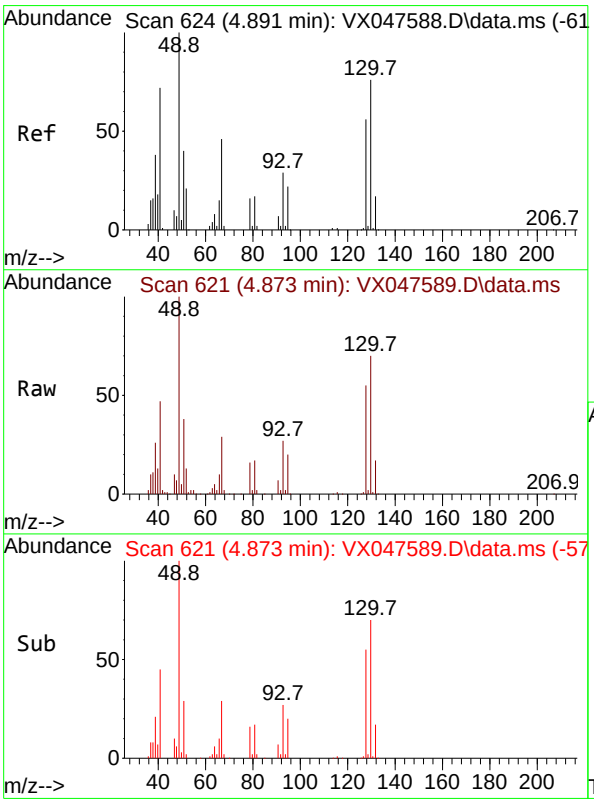
Ion	Ratio	Lower	Upper
96	100		
61	151.5	0.0	303.2
98	64.4	0.0	127.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

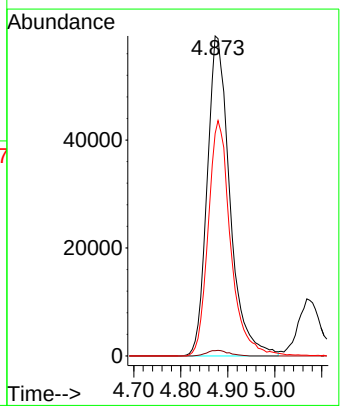
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

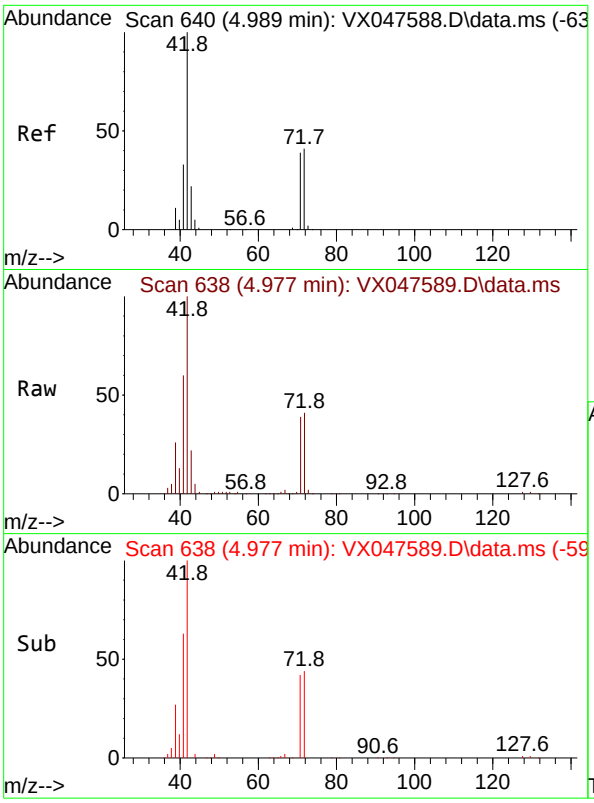


#28
Bromochloromethane
Concen: 106.512 ug/l
RT: 4.873 min Scan# 621
Delta R.T. -0.018 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 49 Resp: 198788

Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.2
130	72.8	57.8	86.8





#29
Tetrahydrofuran
Concen: 504.502 ug/l
RT: 4.977 min Scan# 6
Delta R.T. -0.012 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

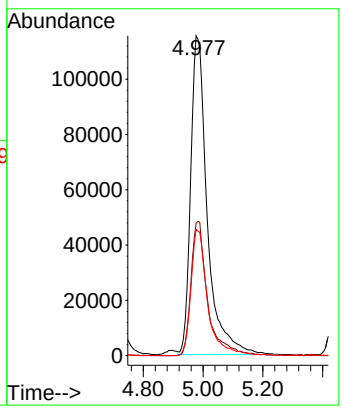
Tgt Ion: 42 Resp: 44353

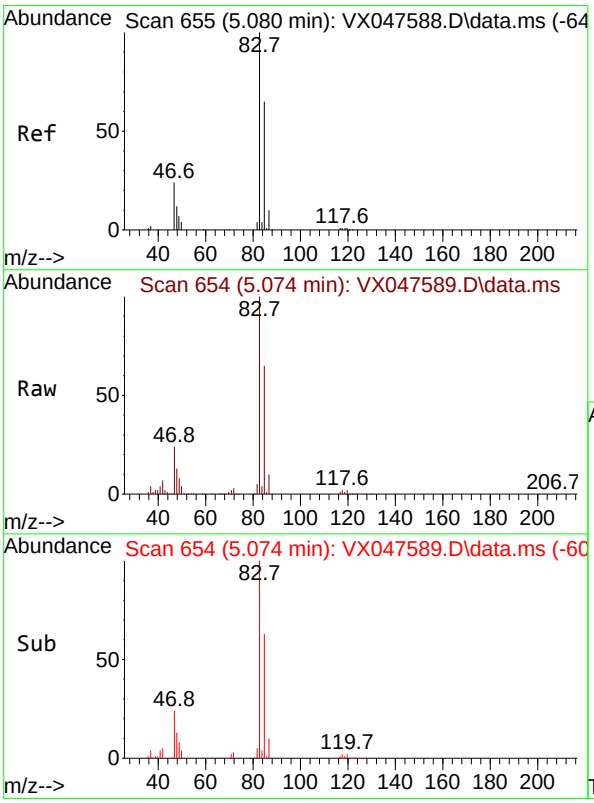
Ion	Ratio	Lower	Upper
42	100		
72	42.4	34.2	51.2
71	39.5	31.9	47.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

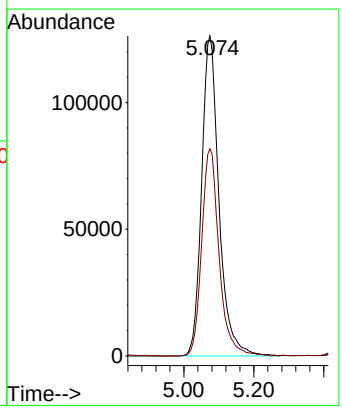


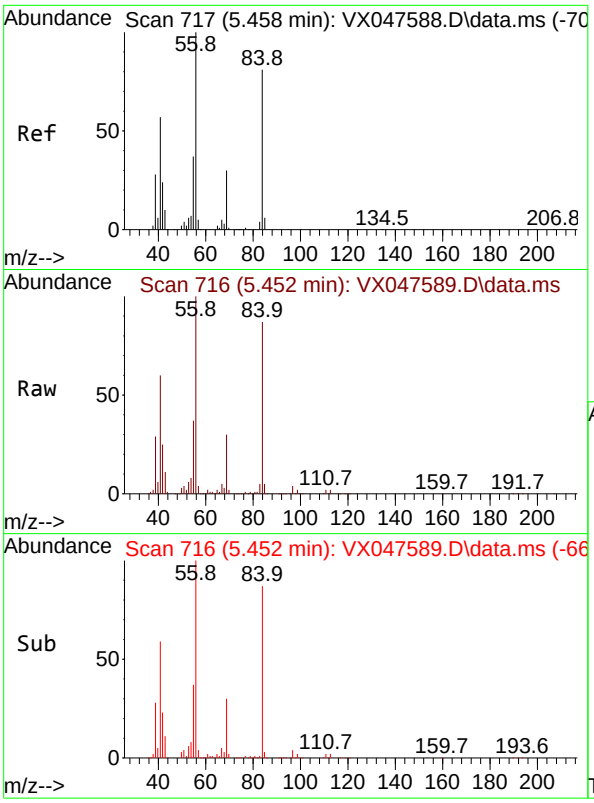


#30
Chloroform
Concen: 100.447 ug/l
RT: 5.074 min Scan# 654
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 83 Resp: 433937

Ion	Ratio	Lower	Upper
83	100		
85	64.8	51.8	77.6

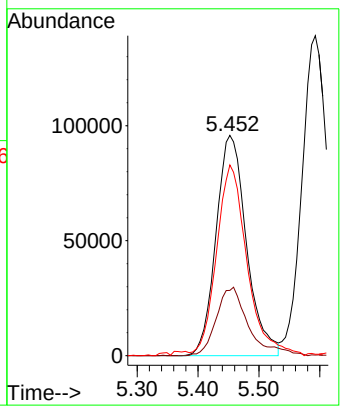




#31
Cyclohexane
Concen: 93.523 ug/l
RT: 5.452 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 56 Resp: 33299

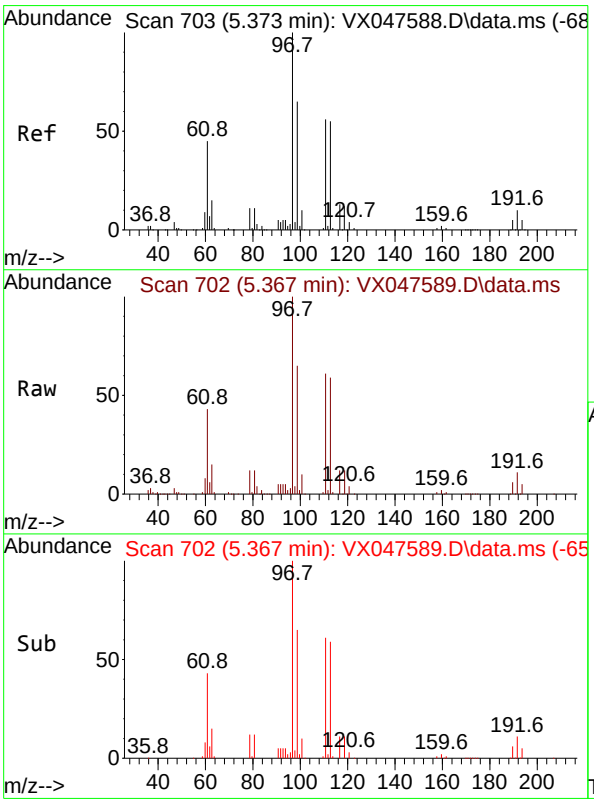
Ion	Ratio	Lower	Upper
56	100		
69	29.0	23.8	35.8
84	84.7	64.6	97.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

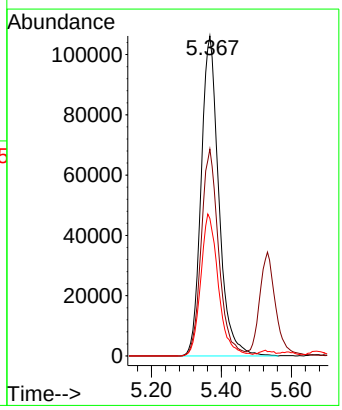
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

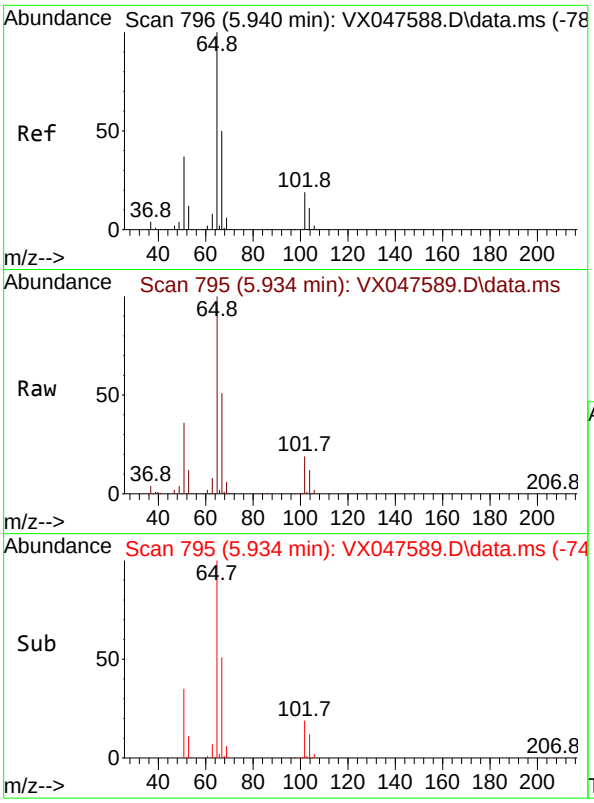


#32
1,1,1-Trichloroethane
Concen: 101.607 ug/l
RT: 5.367 min Scan# 702
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 97 Resp: 372323

Ion	Ratio	Lower	Upper
97	100		
99	63.8	50.6	76.0
61	44.4	35.8	53.8

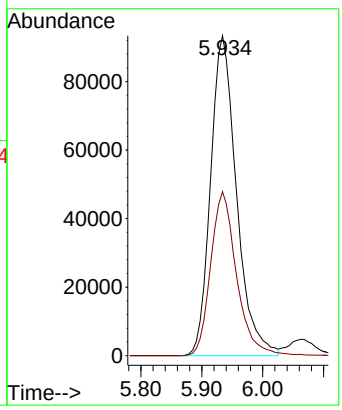




#33
1,2-Dichloroethane-d4
Concen: 102.341 ug/l
RT: 5.934 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 65 Resp: 27575

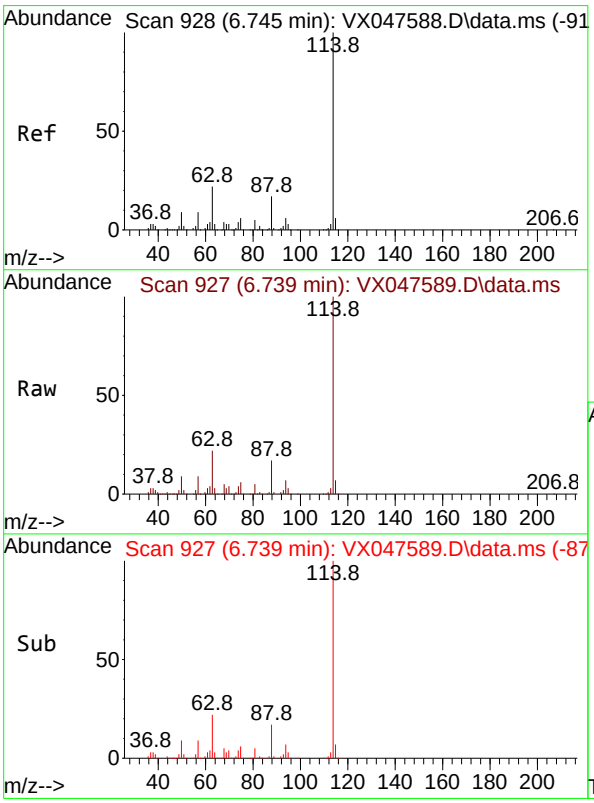
Ion	Ratio	Lower	Upper
65	100		
67	51.3	0.0	103.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

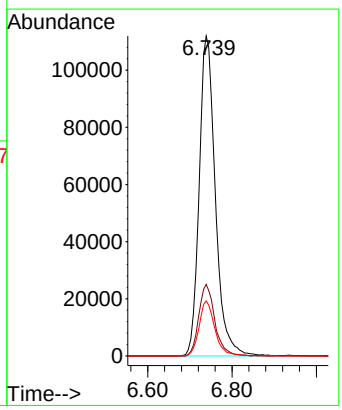
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

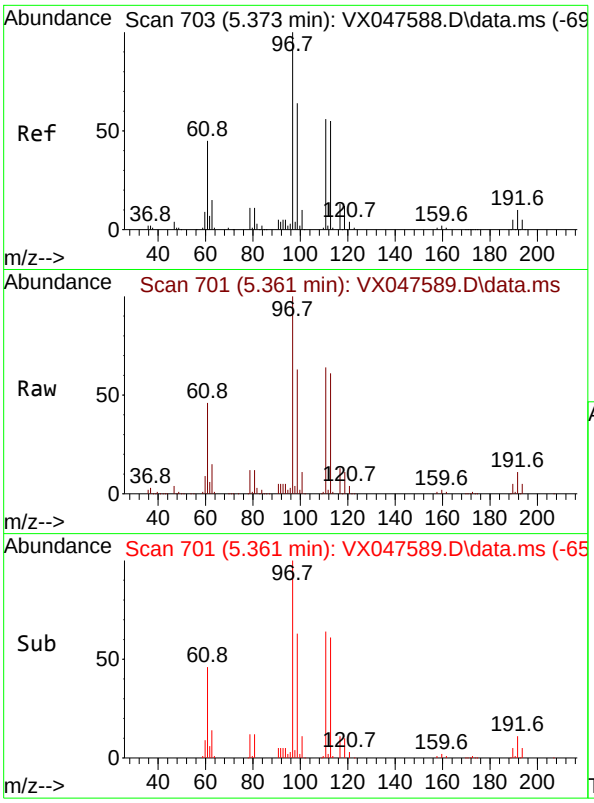


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.739 min Scan# 927
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:114 Resp: 298913

Ion	Ratio	Lower	Upper
114	100		
63	22.3	0.0	44.0
88	17.2	0.0	34.2

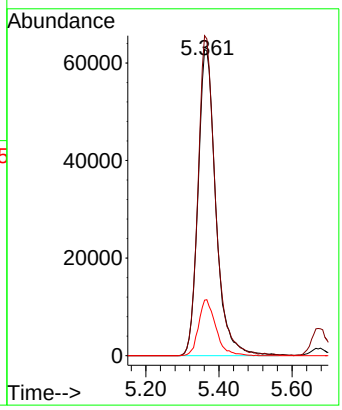




#35
Dibromofluoromethane
Concen: 105.962 ug/l
RT: 5.361 min Scan# 7
Delta R.T. -0.012 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:113 Resp: 21241

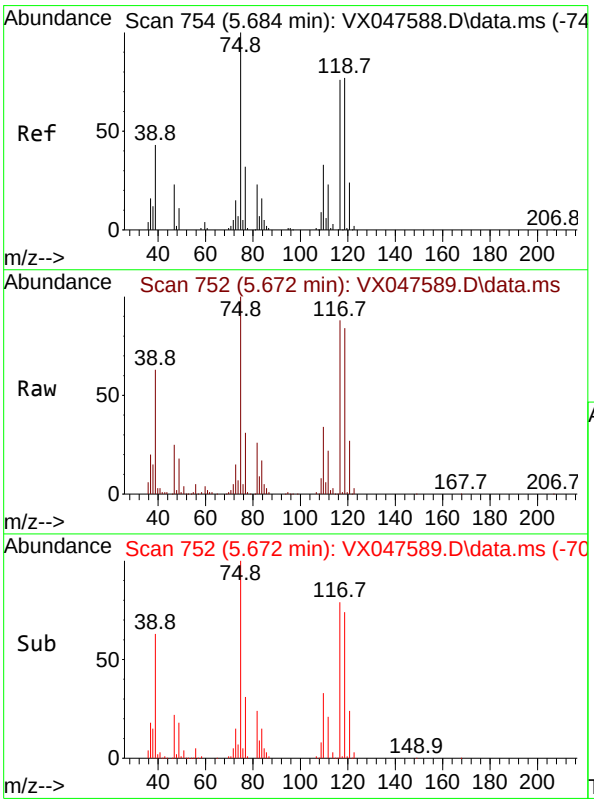
Ion	Ratio	Lower	Upper
113	100		
111	101.8	80.9	121.3
192	17.7	14.2	21.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

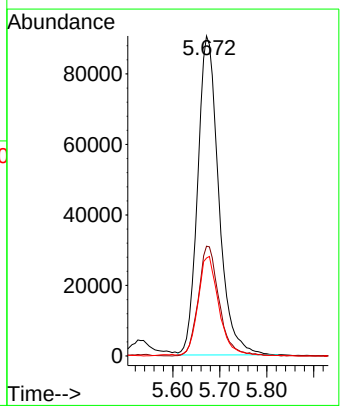
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

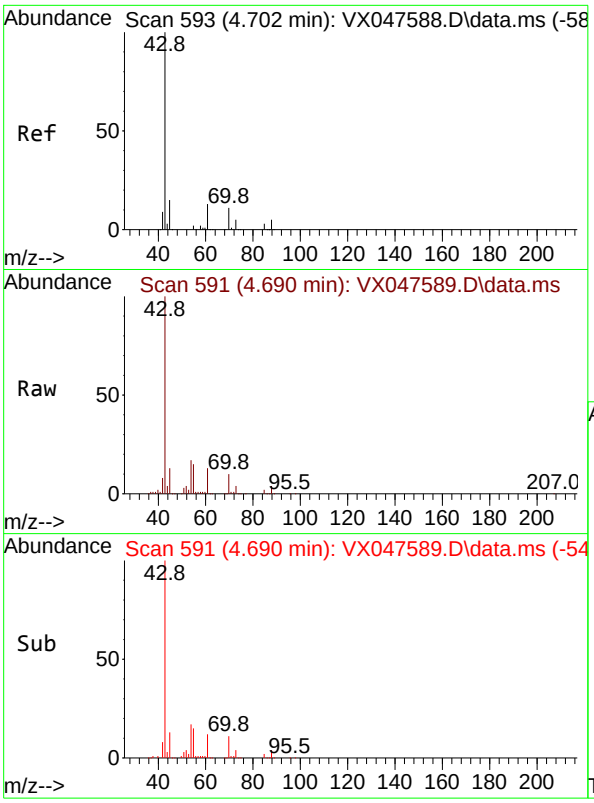


#36
1,1-Dichloropropene
Concen: 96.149 ug/l
RT: 5.672 min Scan# 752
Delta R.T. -0.012 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 75 Resp: 281650

Ion	Ratio	Lower	Upper
75	100		
110	34.3	16.7	50.1
77	31.3	24.3	36.5





#37
Ethyl Acetate
Concen: 101.641 ug/l
RT: 4.690 min Scan# 5
Delta R.T. -0.012 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

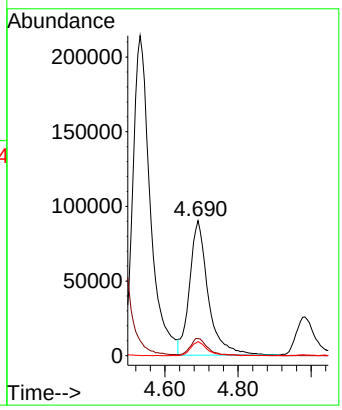
Tgt Ion: 43 Resp: 31879

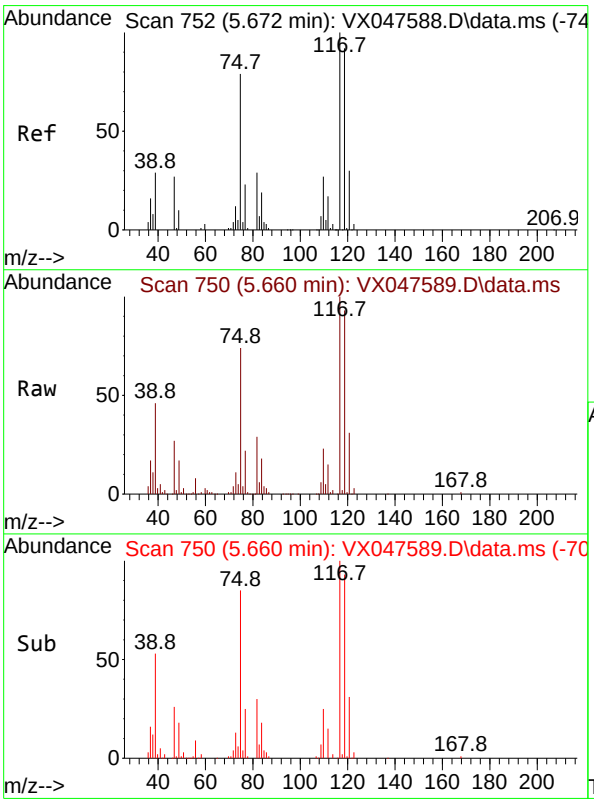
Ion	Ratio	Lower	Upper
43	100		
61	12.0	9.8	14.8
70	9.4	7.9	11.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

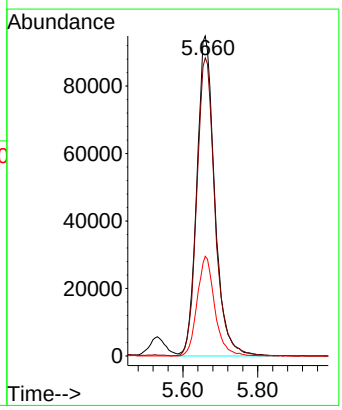


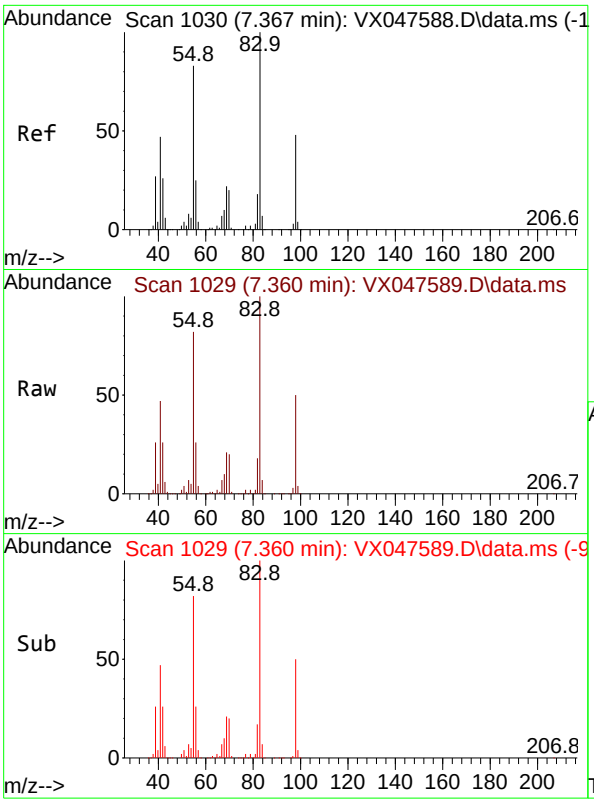


#38
Carbon Tetrachloride
Concen: 98.891 ug/l
RT: 5.660 min Scan# 750
Delta R.T. -0.012 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:117 Resp: 314745

Ion	Ratio	Lower	Upper
117	100		
119	93.0	73.4	110.2
121	31.2	23.8	35.6

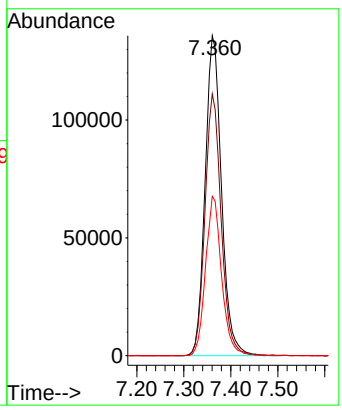




#39
Methylcyclohexane
Concen: 98.600 ug/l
RT: 7.360 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 83 Resp: 32785

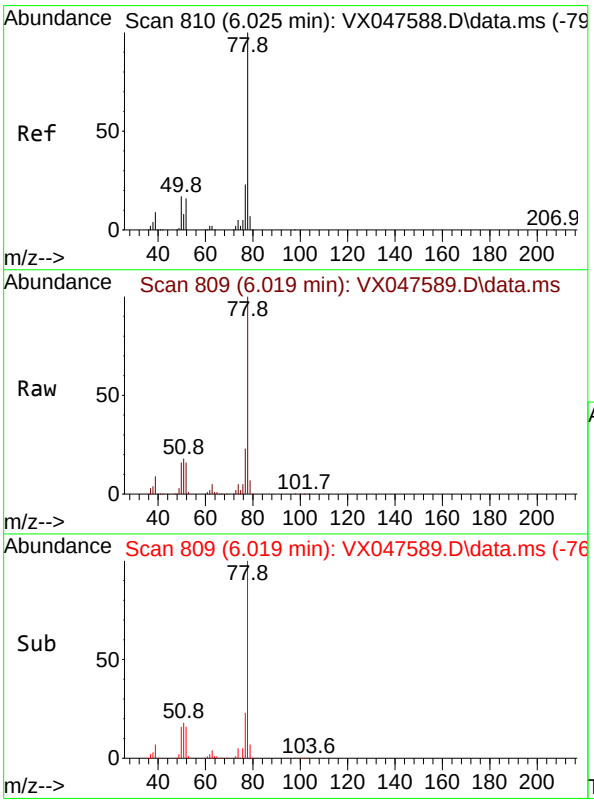
Ion	Ratio	Lower	Upper
83	100		
55	81.8	66.4	99.6
98	49.8	38.1	57.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

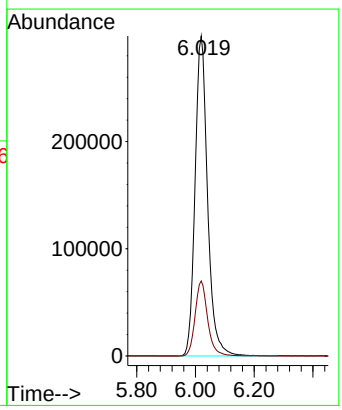
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

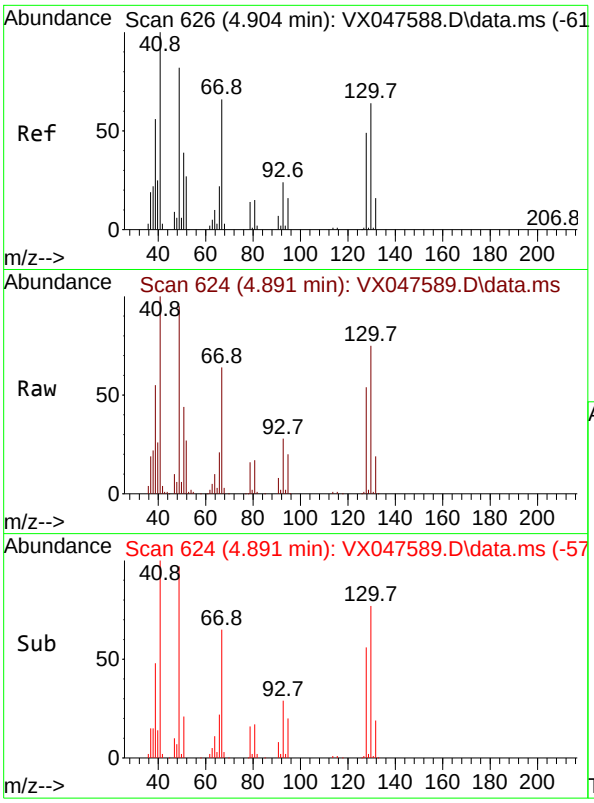


#40
Benzene
Concen: 99.009 ug/l
RT: 6.019 min Scan# 809
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 78 Resp: 880885

Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.8	28.2

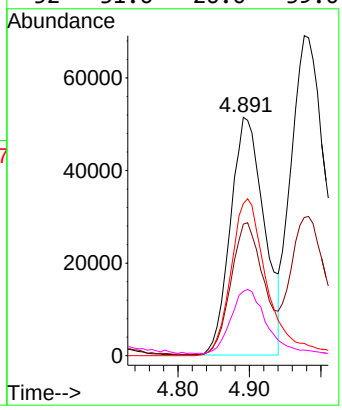




#41
Methacrylonitrile
Concen: 104.220 ug/l
RT: 4.891 min Scan# 6
Delta R.T. -0.012 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 41 Resp: 16875

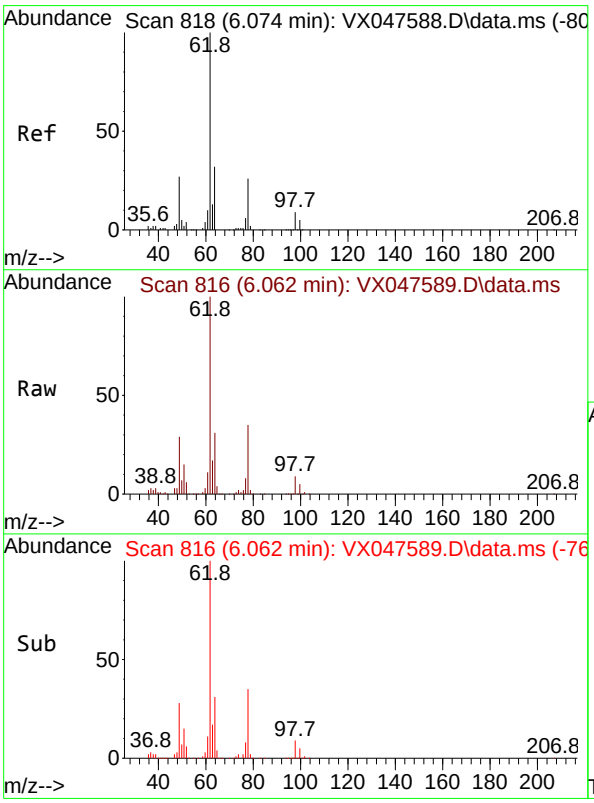
Ion	Ratio	Lower	Upper
41	100		
39	54.6	43.3	64.9
67	72.1	58.6	87.8
52	31.6	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

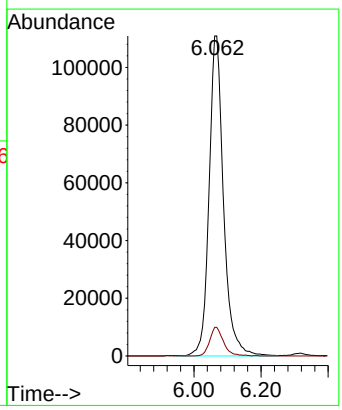
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

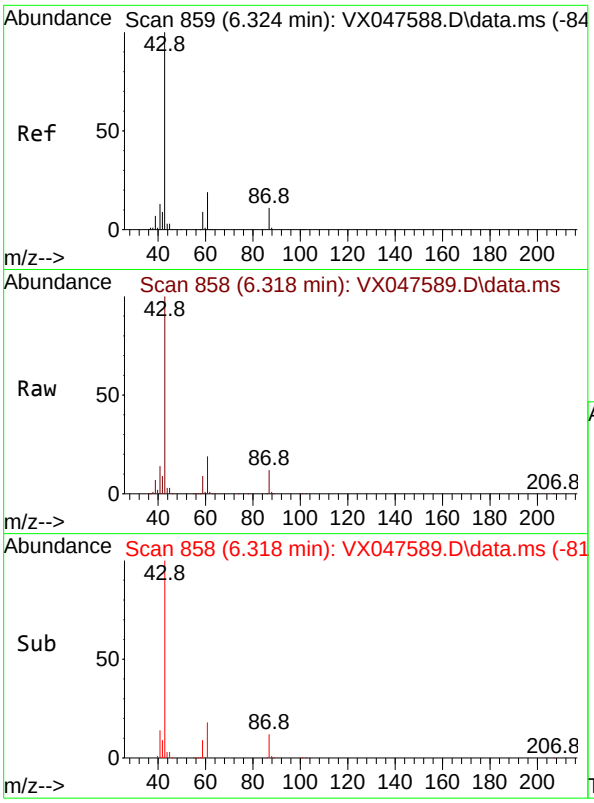


#42
1,2-Dichloroethane
Concen: 97.916 ug/l
RT: 6.062 min Scan# 816
Delta R.T. -0.012 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 62 Resp: 331465

Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	17.0

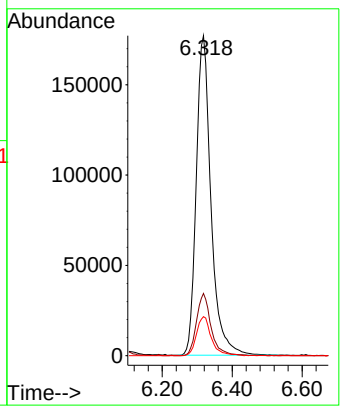




#43
Isopropyl Acetate
Concen: 100.482 ug/l
RT: 6.318 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 43 Resp: 51687

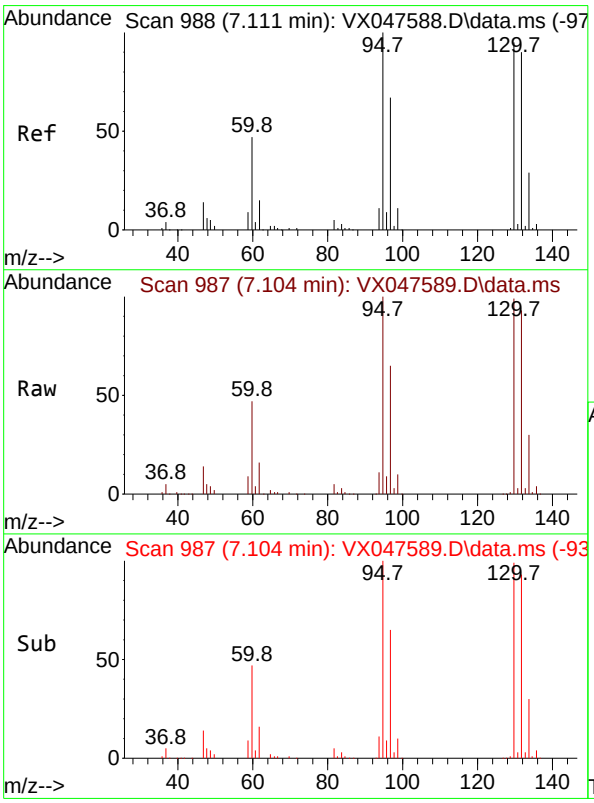
Ion	Ratio	Lower	Upper
43	100		
61	19.3	15.2	22.8
87	12.3	9.6	14.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

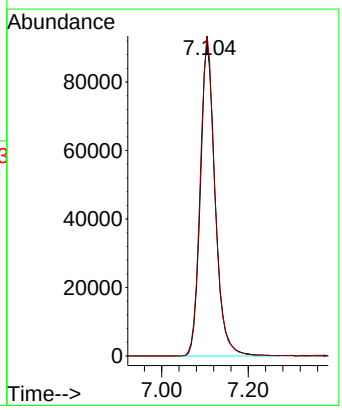
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

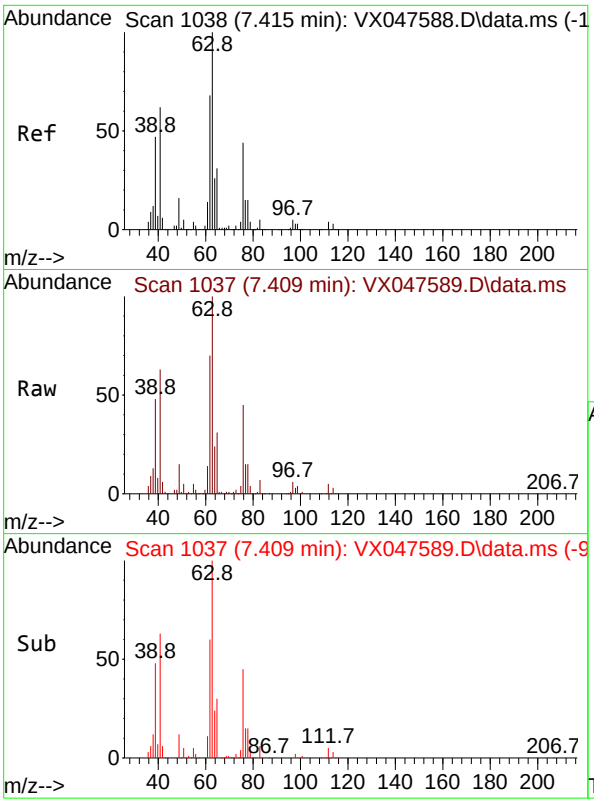


#44
Trichloroethene
Concen: 101.234 ug/l
RT: 7.104 min Scan# 987
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:130 Resp: 217753

Ion	Ratio	Lower	Upper
130	100		
95	101.4	0.0	210.8





#45
1,2-Dichloropropane
Concen: 100.145 ug/l
RT: 7.409 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

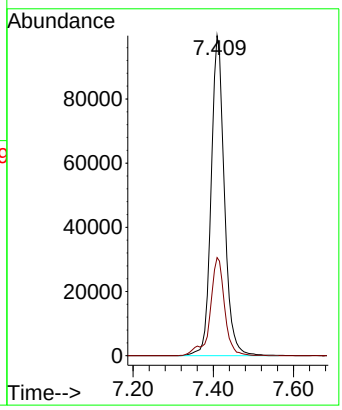
Tgt Ion: 63 Resp: 22815

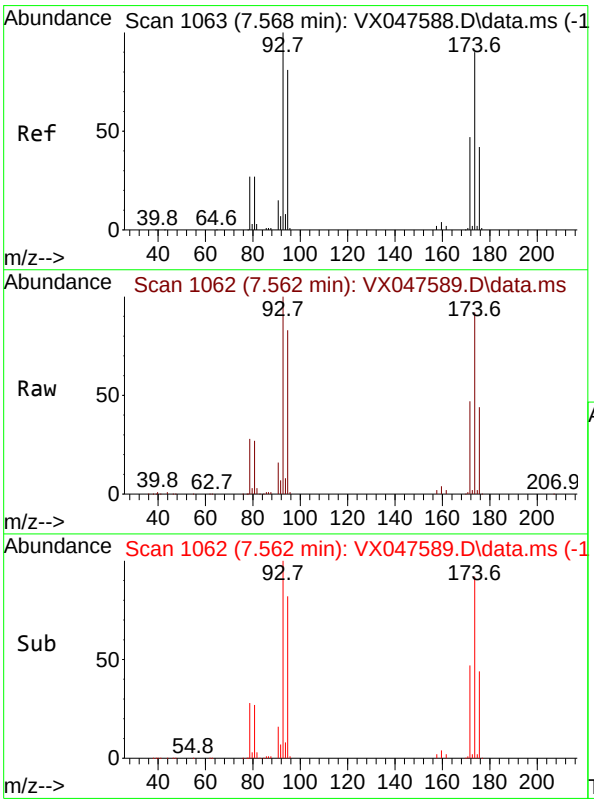
Ion	Ratio	Lower	Upper
63	100		
65	30.7	24.7	37.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

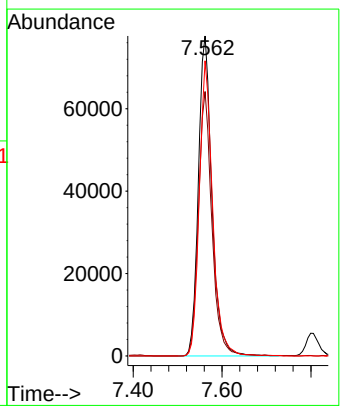


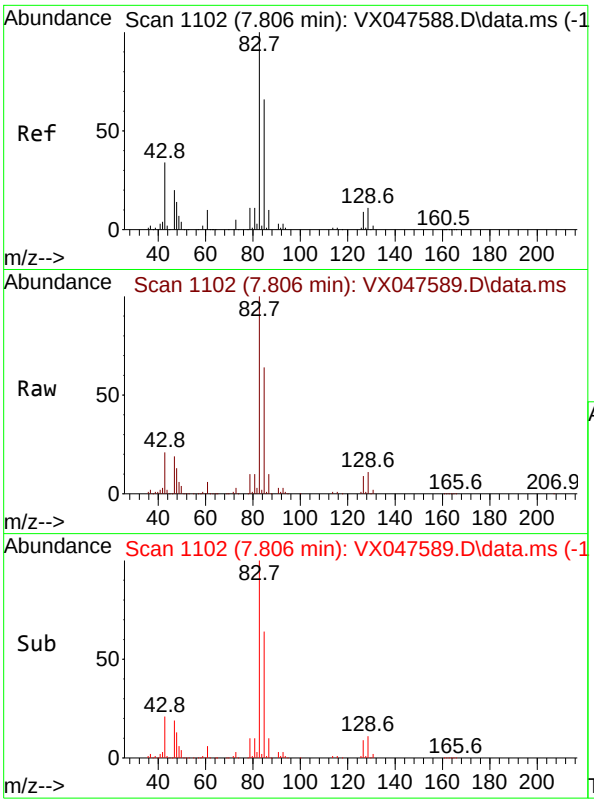


#46
Dibromomethane
Concen: 99.519 ug/l
RT: 7.562 min Scan# 1062
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 93 Resp: 164987

Ion	Ratio	Lower	Upper
93	100		
95	82.1	65.0	97.6
174	90.5	71.6	107.4

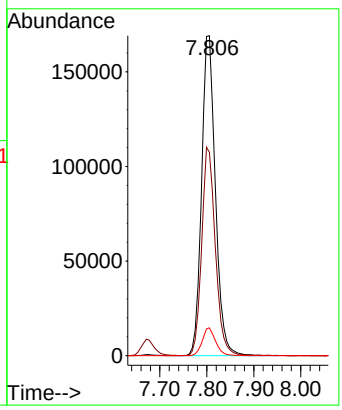




#47
Bromodichloromethane
Concen: 101.136 ug/l
RT: 7.806 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 83 Resp: 34599

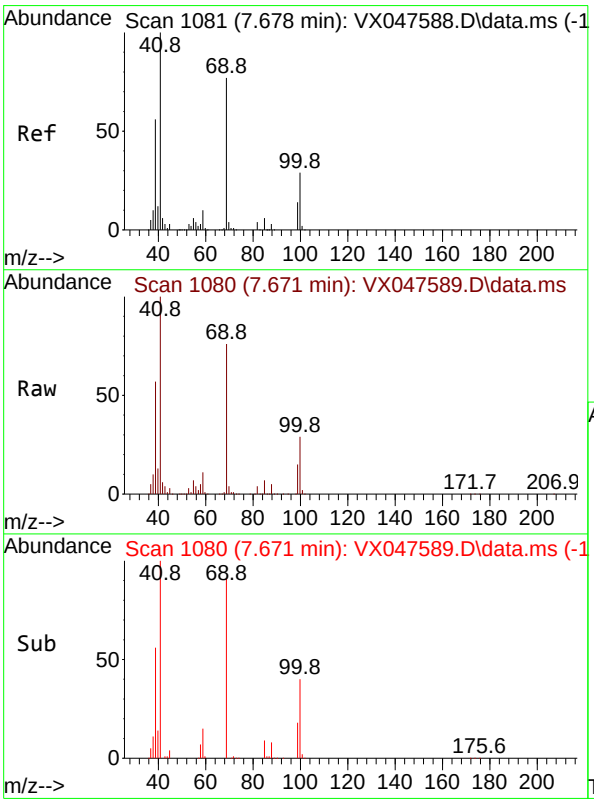
Ion	Ratio	Lower	Upper
83	100		
85	63.5	52.5	78.7
127	8.7	6.9	10.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

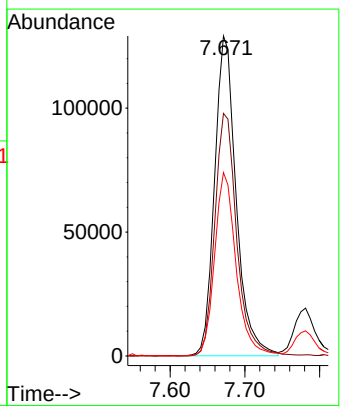
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

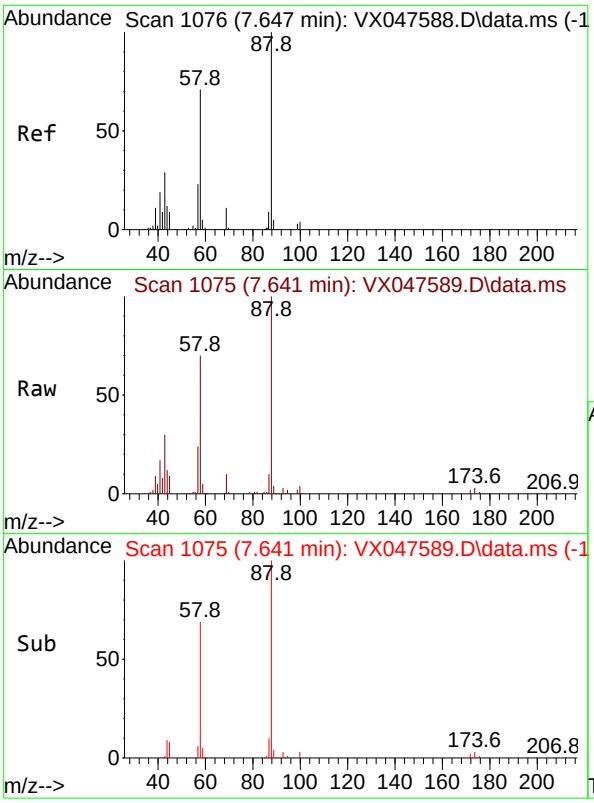


#48
Methyl methacrylate
Concen: 101.612 ug/l
RT: 7.671 min Scan# 1080
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 41 Resp: 260358

Ion	Ratio	Lower	Upper
41	100		
69	77.1	61.4	92.2
39	57.0	45.8	68.6

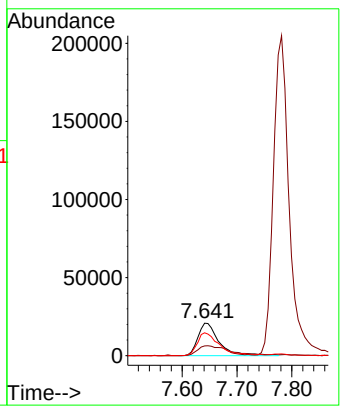




#49
1,4-Dioxane
Concen: 2190.315 ug/l
RT: 7.641 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 88 Resp: 5671

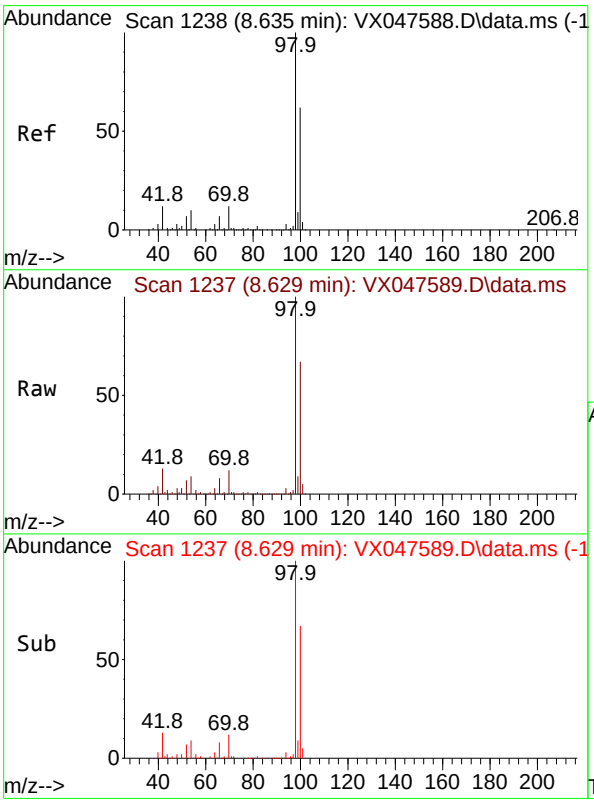
Ion	Ratio	Lower	Upper
88	100		
43	39.4	30.2	45.2
58	74.0	59.5	89.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

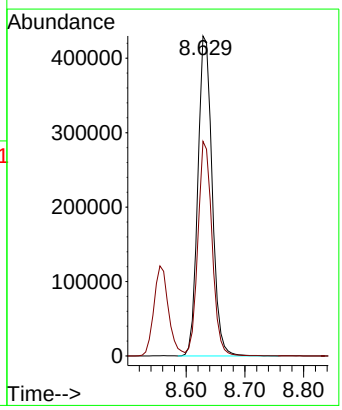
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

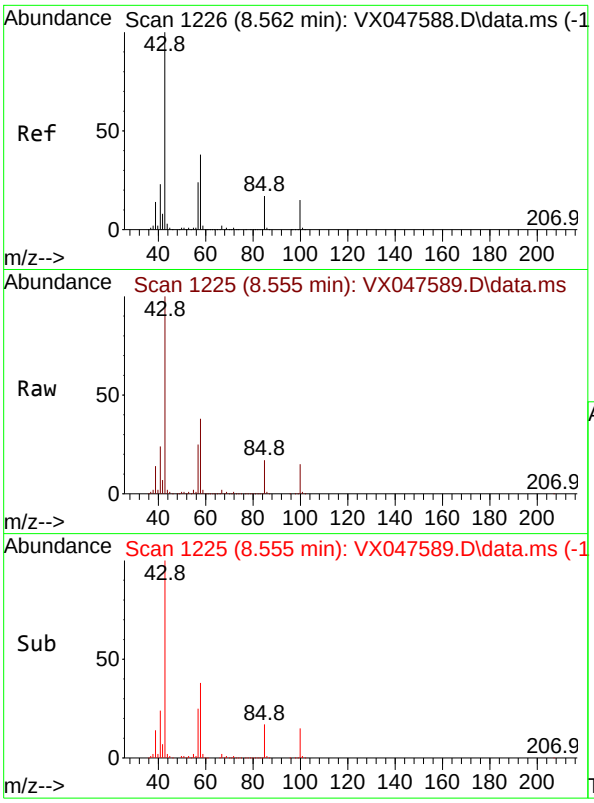


#50
Toluene-d8
Concen: 104.386 ug/l
RT: 8.629 min Scan# 1237
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 98 Resp: 724078

Ion	Ratio	Lower	Upper
98	100		
100	66.3	53.0	79.4

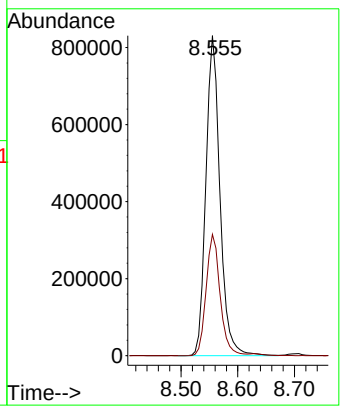




#51
4-Methyl-2-Pentanone
Concen: 501.834 ug/l
RT: 8.555 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 43 Resp: 143125

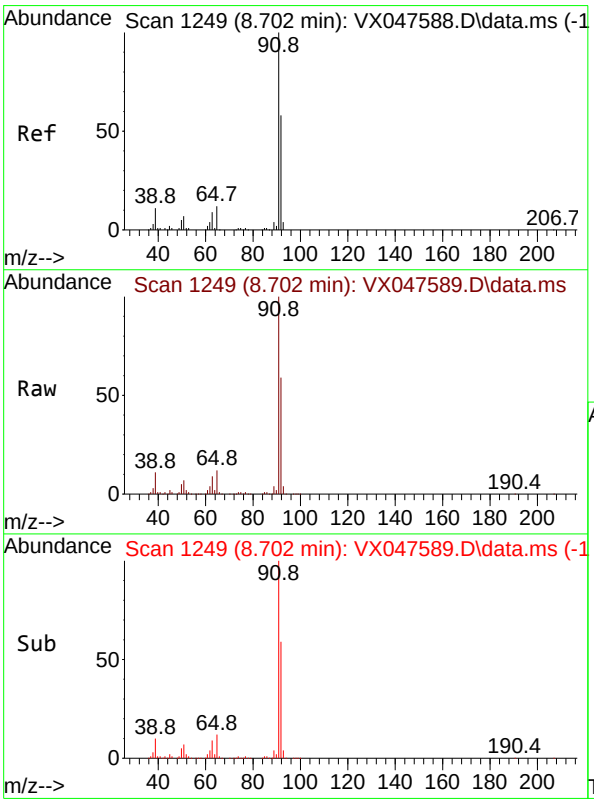
Ion	Ratio	Lower	Upper
43	100		
58	37.7	30.3	45.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

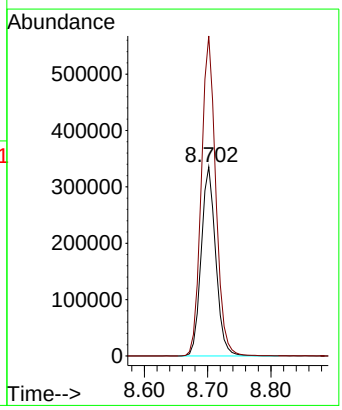
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

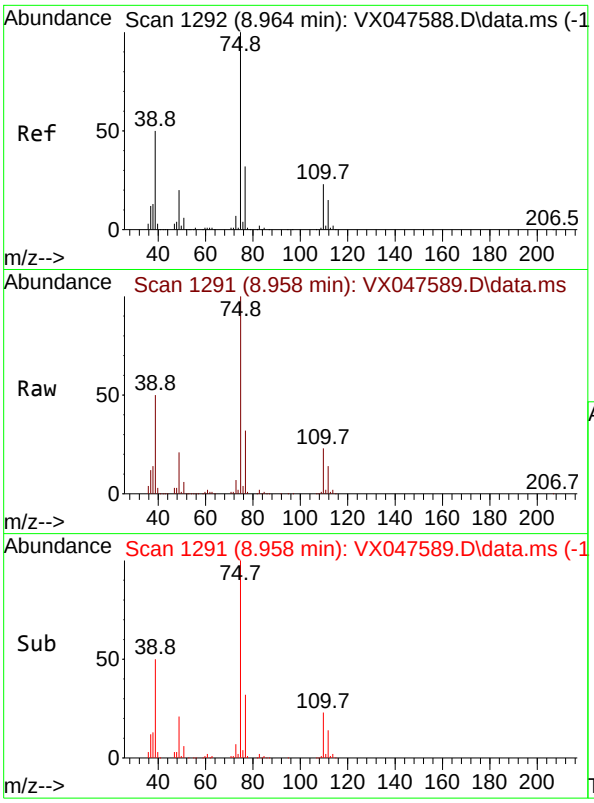


#52
Toluene
Concen: 97.811 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 92 Resp: 536148

Ion	Ratio	Lower	Upper
92	100		
91	169.3	137.1	205.7

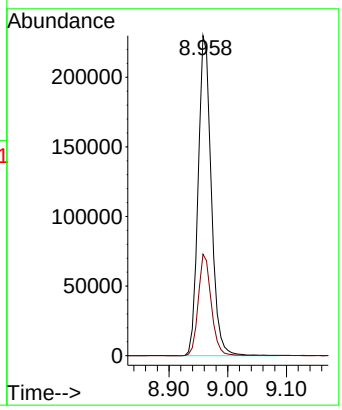




#53
t-1,3-Dichloropropene
Concen: 101.986 ug/l
RT: 8.958 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 75 Resp: 35588

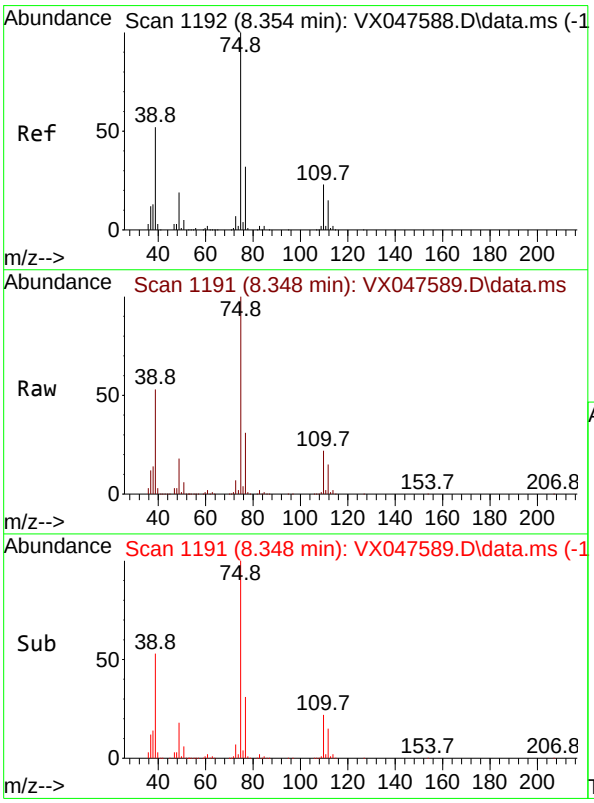
Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.4	38.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

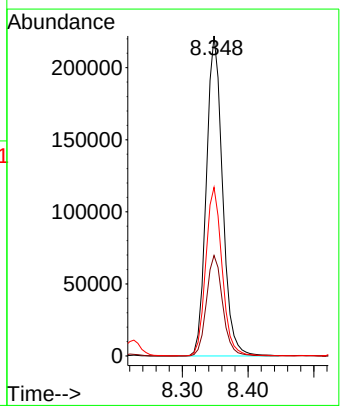
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

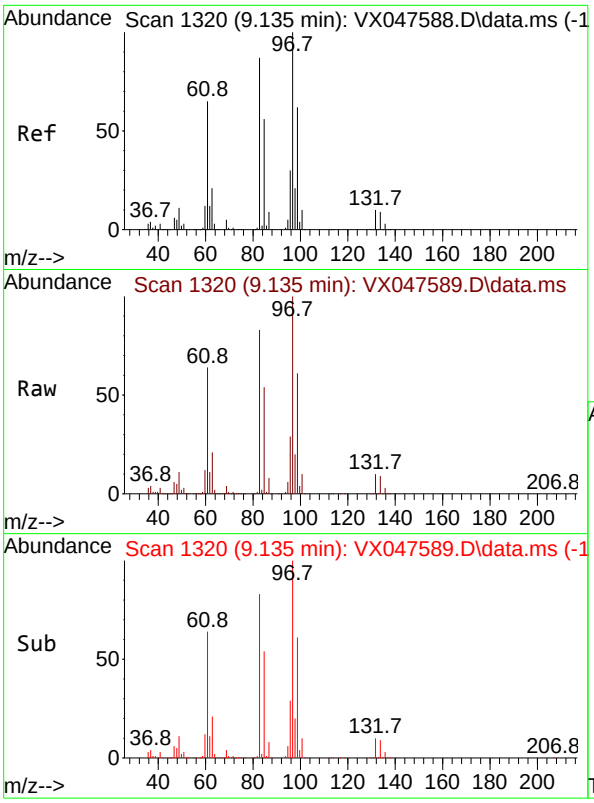


#54
cis-1,3-Dichloropropene
Concen: 102.038 ug/l
RT: 8.348 min Scan# 1191
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 75 Resp: 380577

Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.8	38.6
39	52.3	41.4	62.2

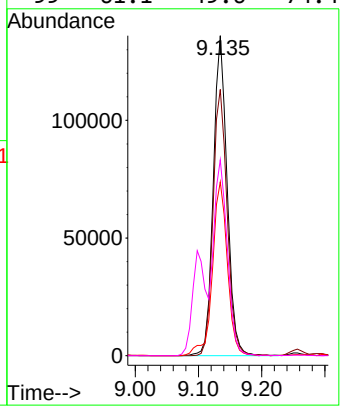




#55
1,1,2-Trichloroethane
Concen: 97.434 ug/l
RT: 9.135 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 97 Resp: 20593

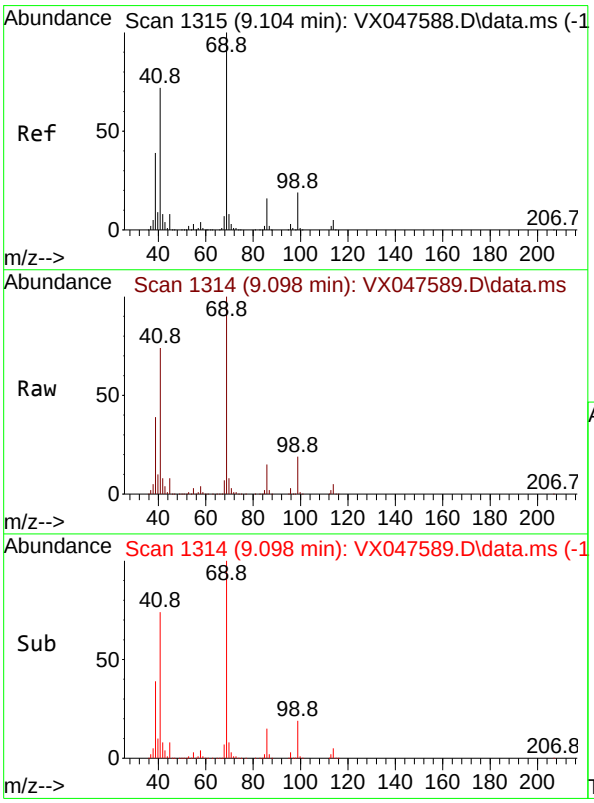
Ion	Ratio	Lower	Upper
97	100		
83	83.2	69.6	104.4
85	54.3	45.0	67.6
99	61.1	49.6	74.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

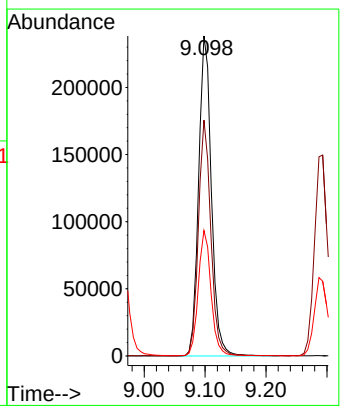
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

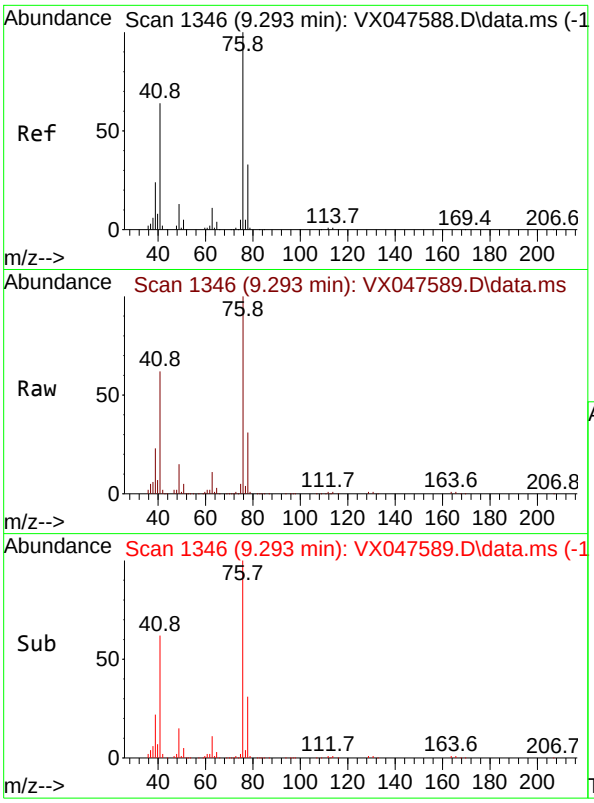


#56
Ethyl methacrylate
Concen: 104.435 ug/l
RT: 9.098 min Scan# 1314
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 69 Resp: 346659

Ion	Ratio	Lower	Upper
69	100		
41	71.7	58.6	87.8
39	39.0	31.5	47.3

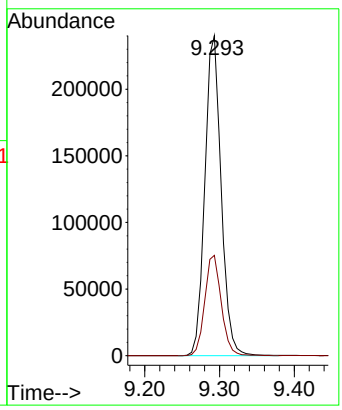




#57
1,3-Dichloropropane
Concen: 99.935 ug/l
RT: 9.293 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 76 Resp: 36284

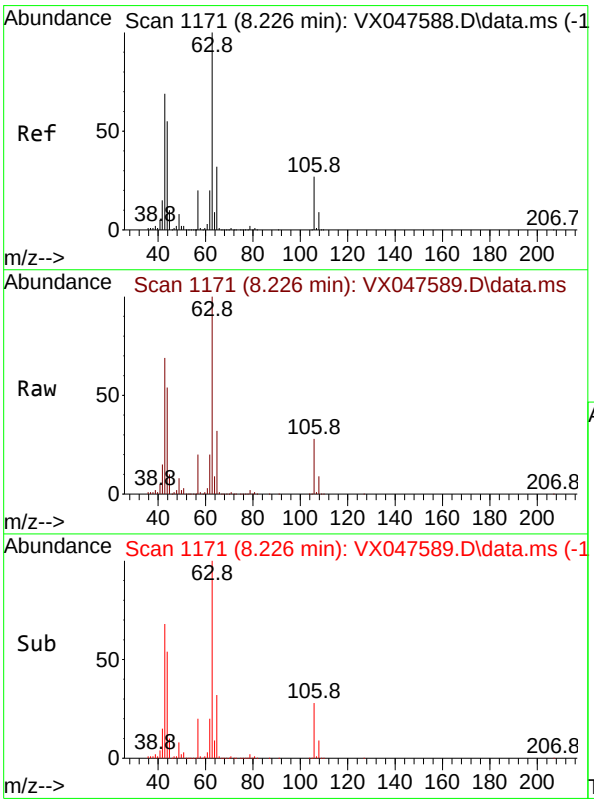
Ion	Ratio	Lower	Upper
76	100		
78	31.8	26.2	39.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

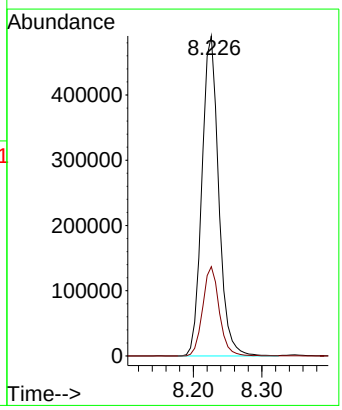
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

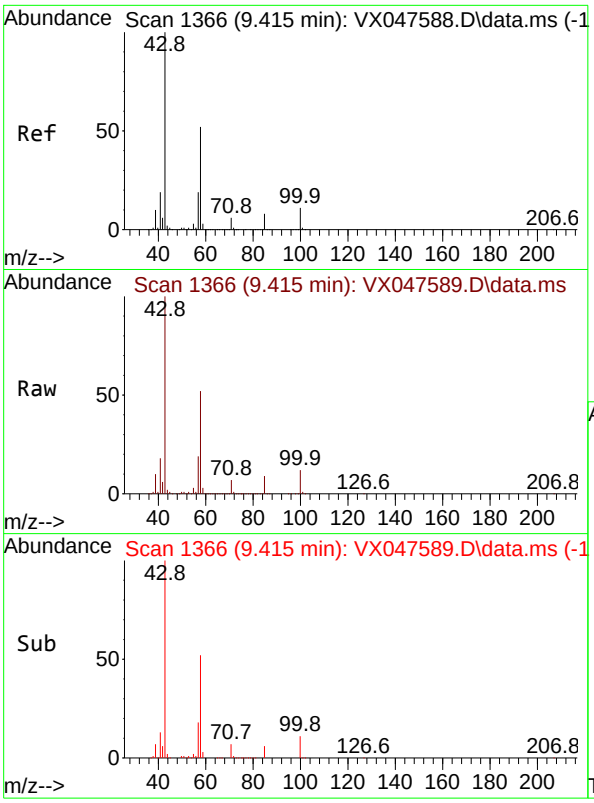


#58
2-Chloroethyl Vinyl ether
Concen: 499.814 ug/l
RT: 8.226 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 63 Resp: 836362

Ion	Ratio	Lower	Upper
63	100		
106	27.5	21.9	32.9

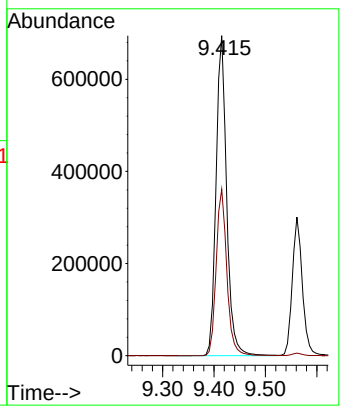




#59
2-Hexanone
Concen: 486.380 ug/l
RT: 9.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 43 Resp: 99627

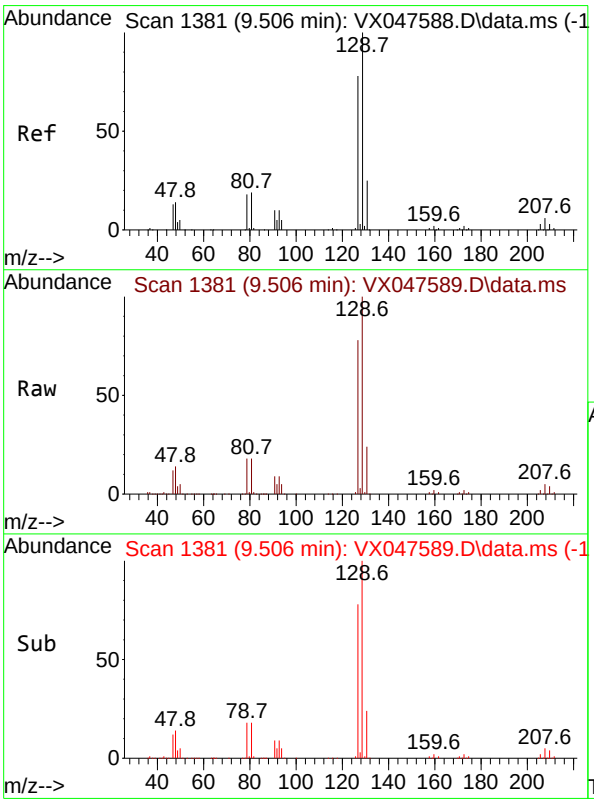
Ion	Ratio	Lower	Upper
43	100		
58	52.4	26.1	78.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

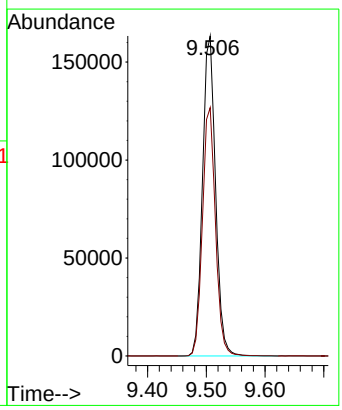
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

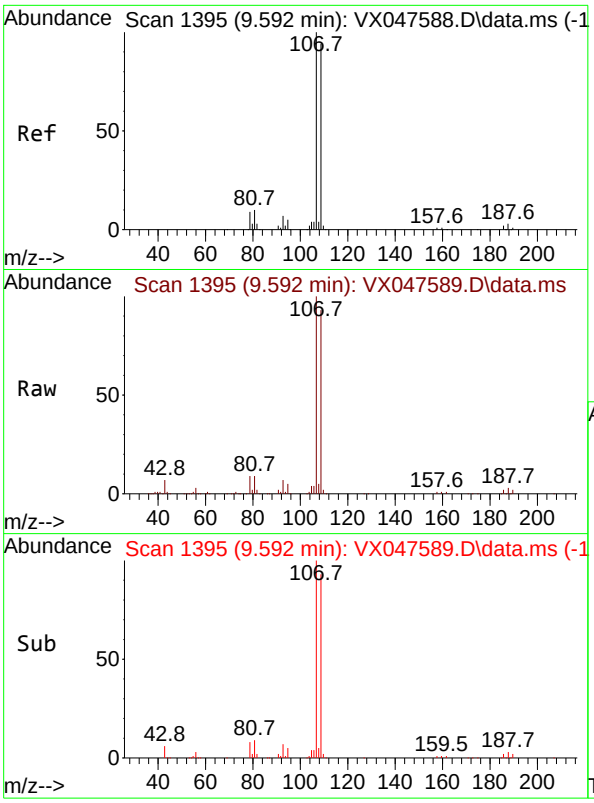


#60
Dibromochloromethane
Concen: 103.226 ug/l
RT: 9.506 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:129 Resp: 251394

Ion	Ratio	Lower	Upper
129	100		
127	77.5	38.4	115.2

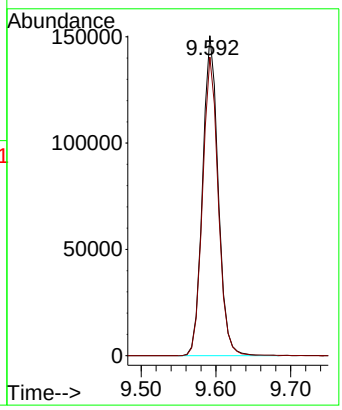




#61
1,2-Dibromoethane
Concen: 101.147 ug/l
RT: 9.592 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:107 Resp: 21775

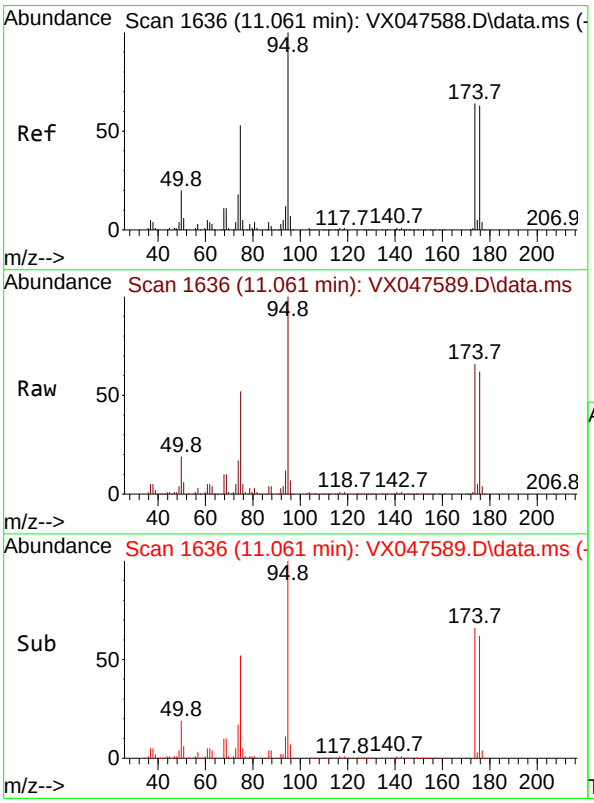
Ion	Ratio	Lower	Upper
107	100		
109	93.8	75.3	112.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

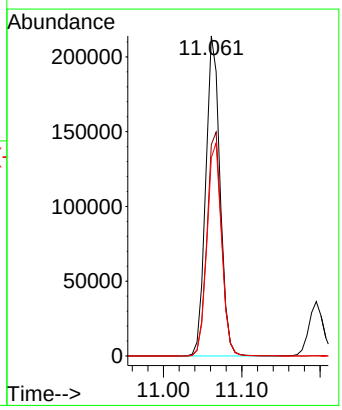
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

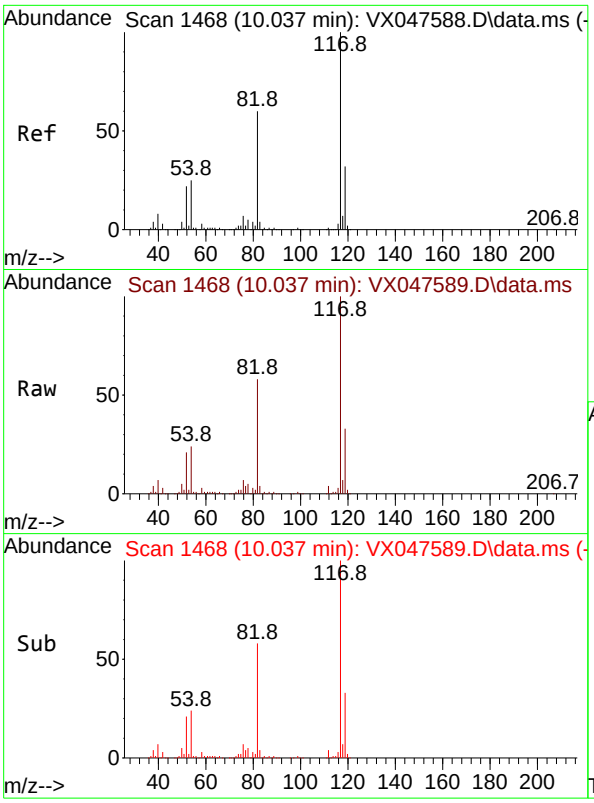


#62
4-Bromofluorobenzene
Concen: 102.672 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 95 Resp: 270289

Ion	Ratio	Lower	Upper
95	100		
174	71.7	0.0	141.6
176	68.0	0.0	138.4

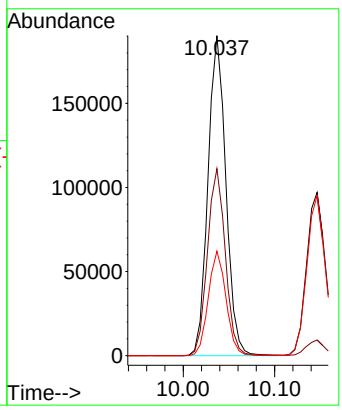




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:117 Resp: 25839

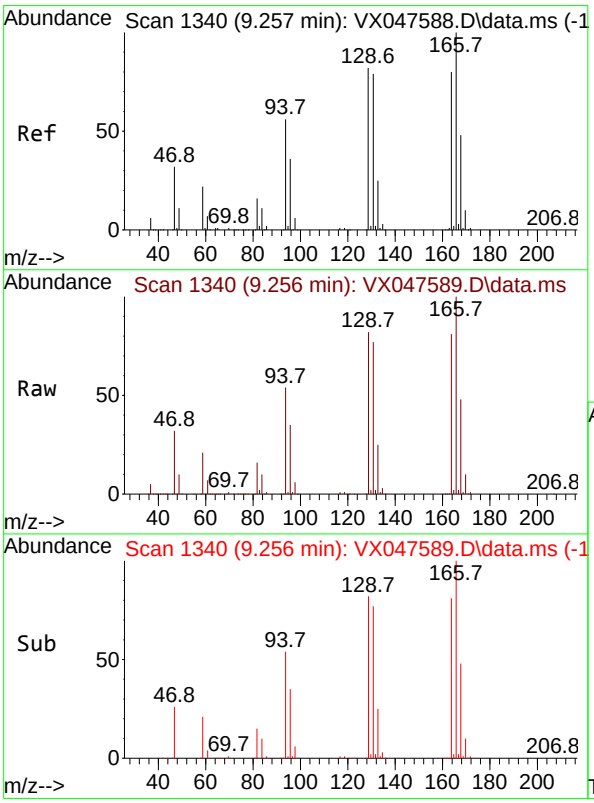
Ion	Ratio	Lower	Upper
117	100		
82	58.4	47.8	71.6
119	32.7	25.2	37.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

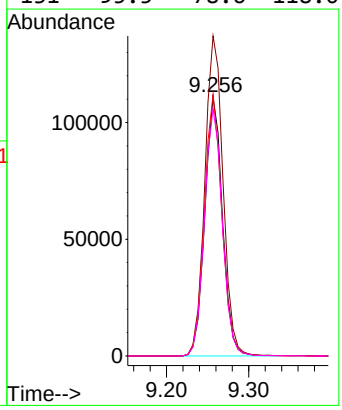
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

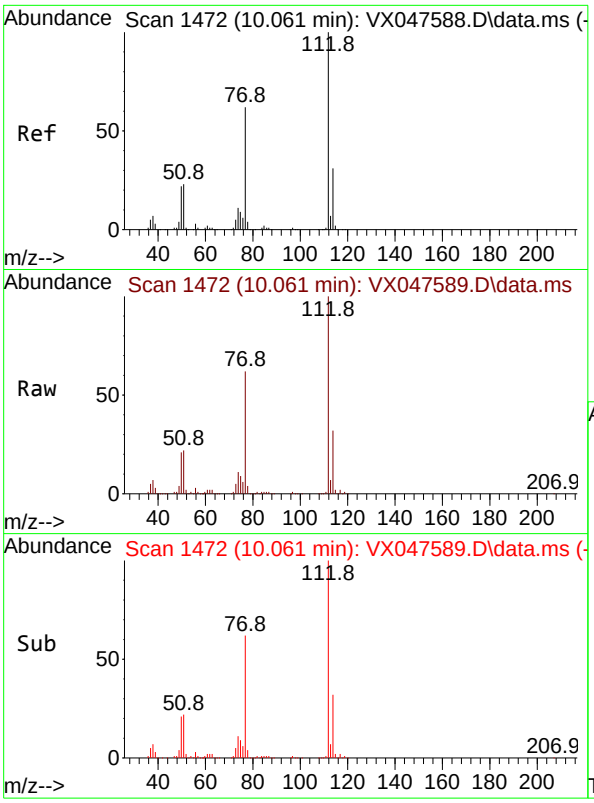


#64
Tetrachloroethene
Concen: 98.284 ug/l
RT: 9.256 min Scan# 1340
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:164 Resp: 165559

Ion	Ratio	Lower	Upper
164	100		
166	123.6	100.2	150.2
129	100.9	81.8	122.6
131	95.5	78.6	118.0

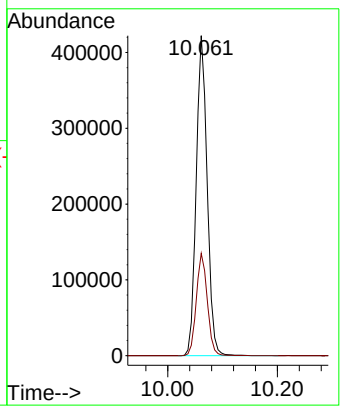




#65
Chlorobenzene
Concen: 100.253 ug/l
RT: 10.061 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:112 Resp: 58851

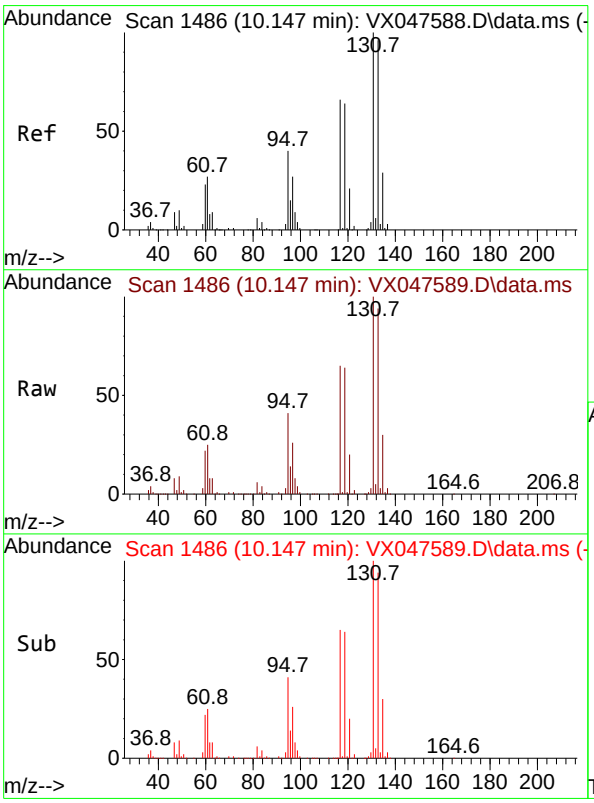
Ion	Ratio	Lower	Upper
112	100		
114	32.0	25.1	37.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

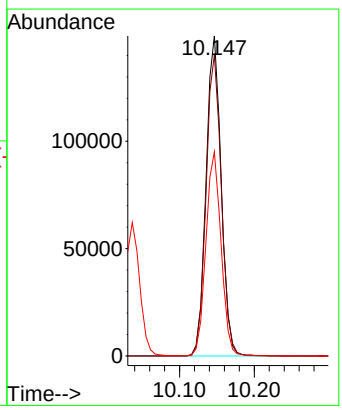
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

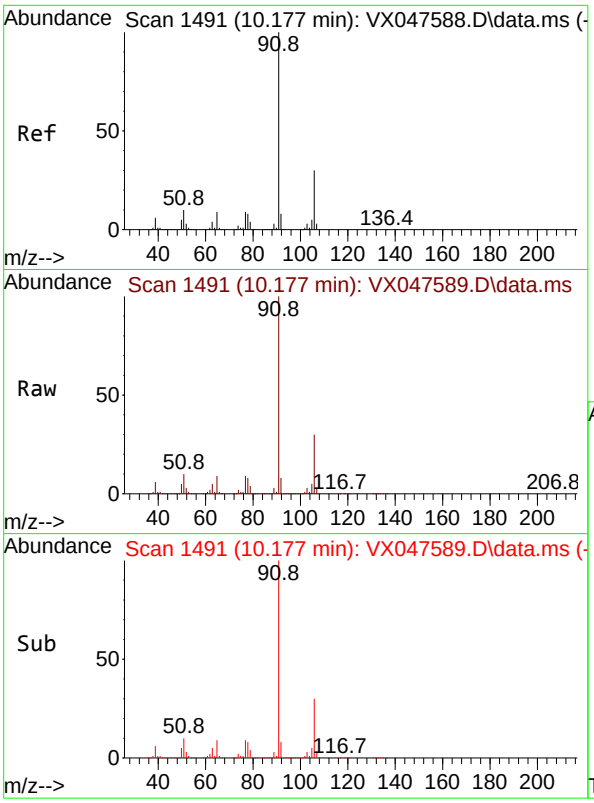


#66
1,1,1,2-Tetrachloroethane
Concen: 102.988 ug/l
RT: 10.147 min Scan# 1486
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:131 Resp: 208621

Ion	Ratio	Lower	Upper
131	100		
133	95.2	47.3	142.0
119	64.2	32.0	96.0

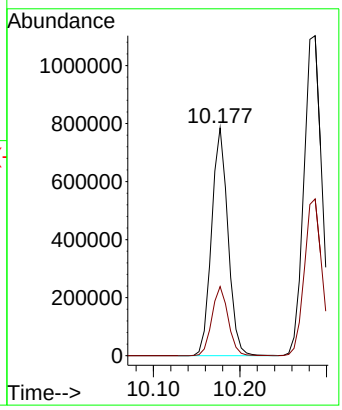




#67
Ethyl Benzene
Concen: 101.823 ug/l
RT: 10.177 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 91 Resp: 103134

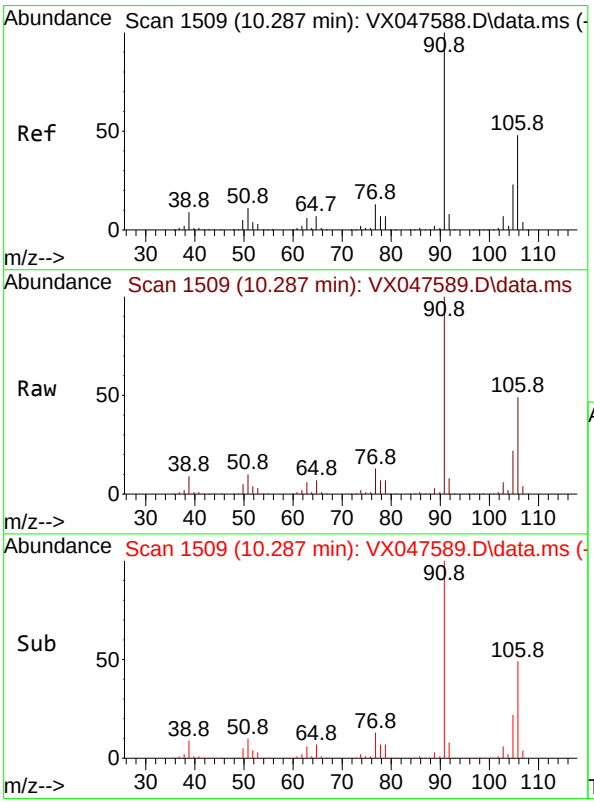
Ion	Ratio	Lower	Upper
91	100		
106	30.3	24.3	36.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

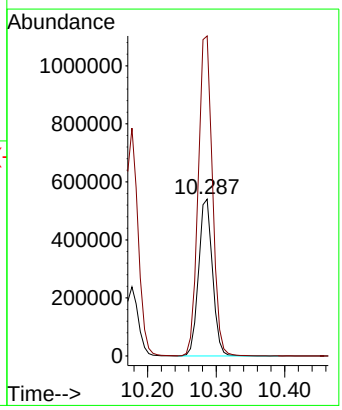
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

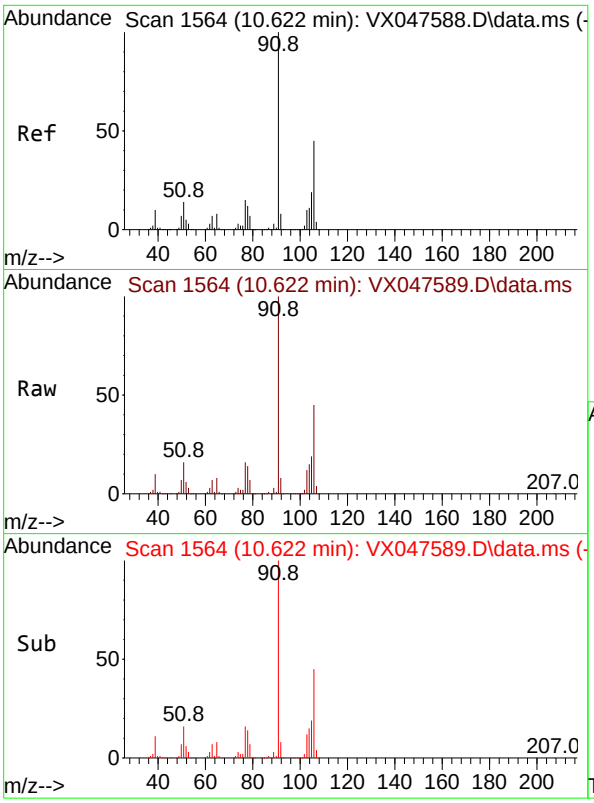


#68
m/p-Xylenes
Concen: 202.624 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:106 Resp: 763898

Ion	Ratio	Lower	Upper
106	100		
91	208.5	167.8	251.8





#69
o-Xylene
Concen: 102.186 ug/l
RT: 10.622 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

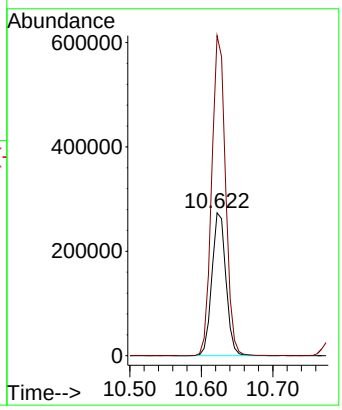
Tgt Ion:106 Resp: 37262

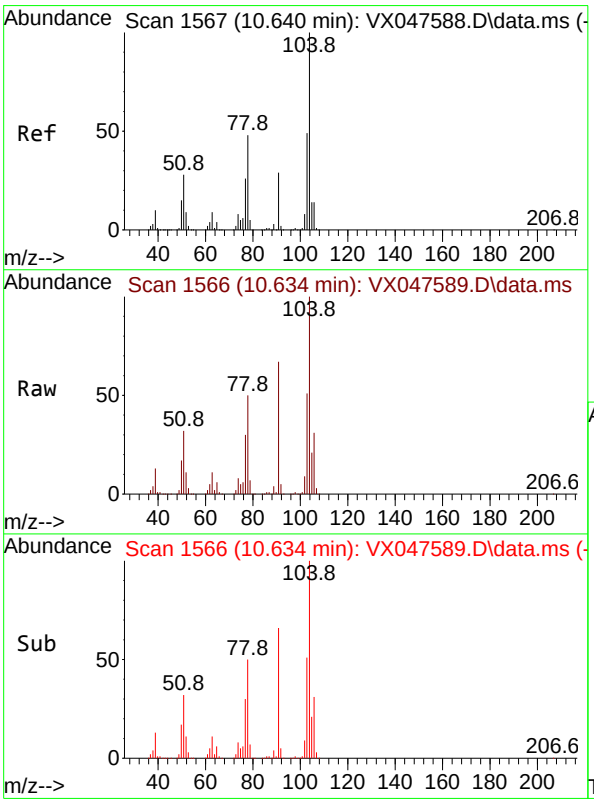
Ion	Ratio	Lower	Upper
106	100		
91	221.3	111.1	333.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

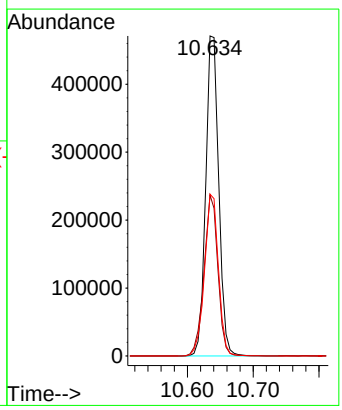


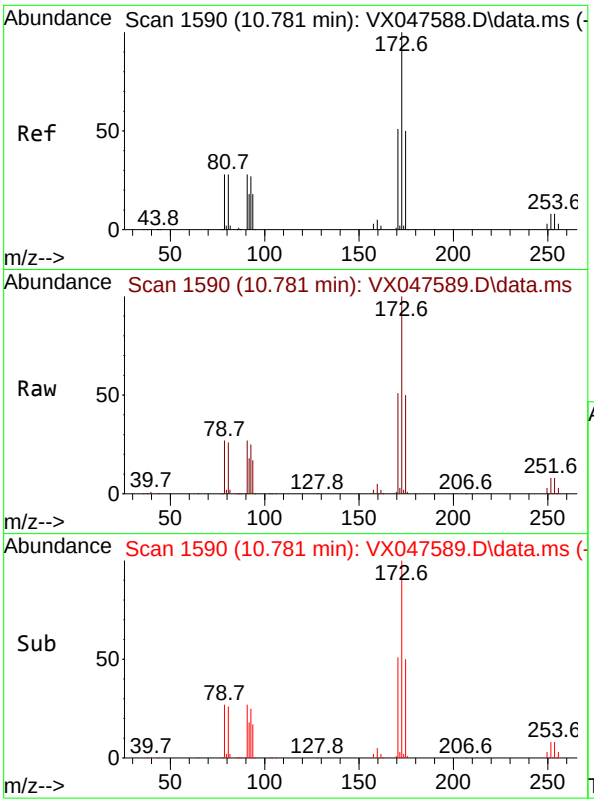


#70
Styrene
Concen: 101.710 ug/l
RT: 10.634 min Scan# 1566
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:104 Resp: 649863

Ion	Ratio	Lower	Upper
104	100		
78	53.5	43.1	64.7
103	54.1	43.1	64.7

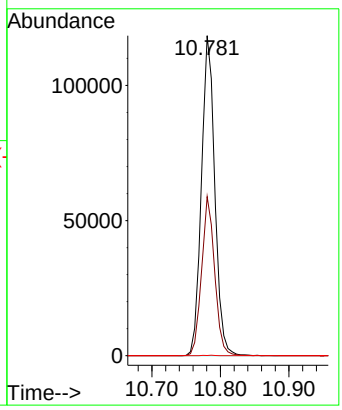




#71
Bromoform
Concen: 106.566 ug/l
RT: 10.781 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:173 Resp: 16118

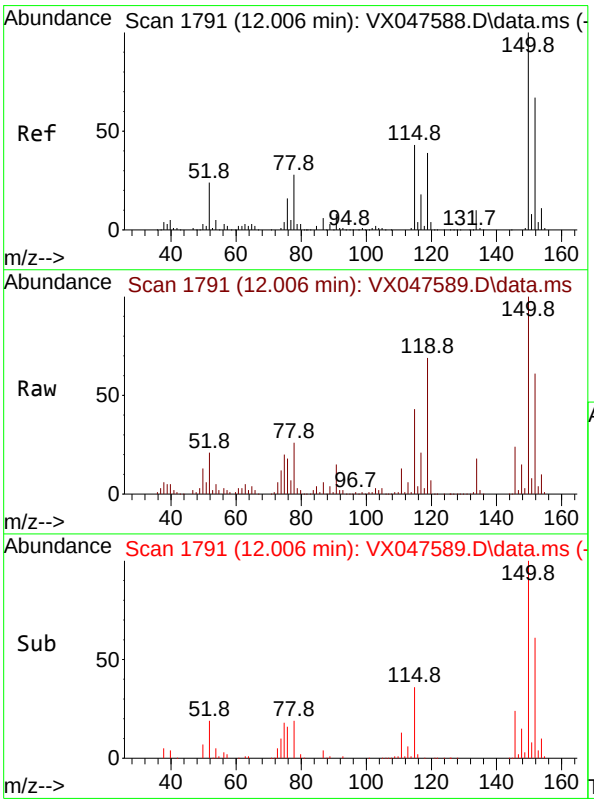
Ion	Ratio	Lower	Upper
173	100		
175	48.5	24.9	74.6
254	0.1	0.1	0.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

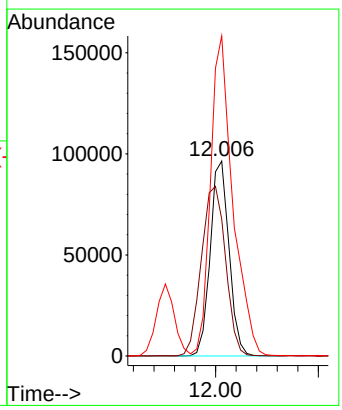
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

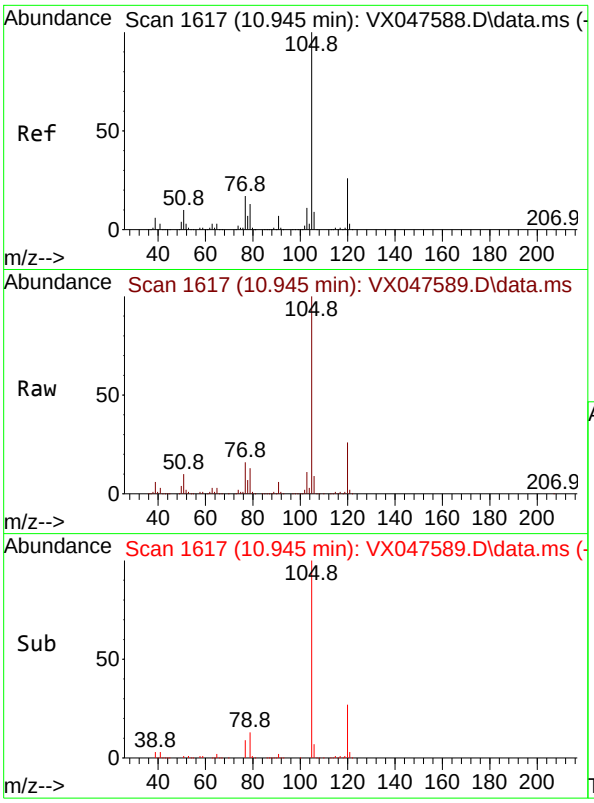


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:152 Resp: 122218

Ion	Ratio	Lower	Upper
152	100		
115	112.6	44.9	134.5
150	195.0	0.0	352.0

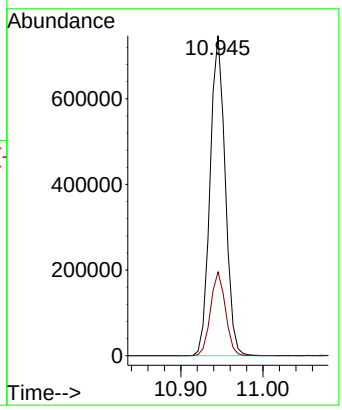




#73
Isopropylbenzene
Concen: 102.768 ug/l
RT: 10.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:105 Resp: 95490

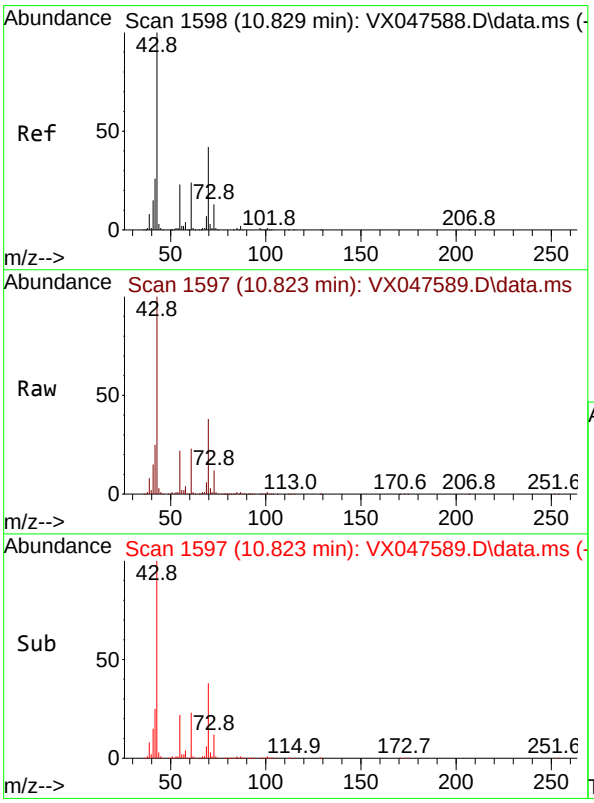
Ion	Ratio	Lower	Upper
105	100		
120	25.7	12.8	38.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

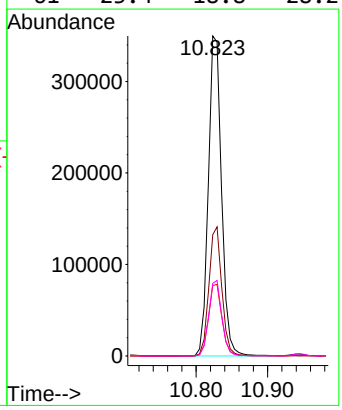
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

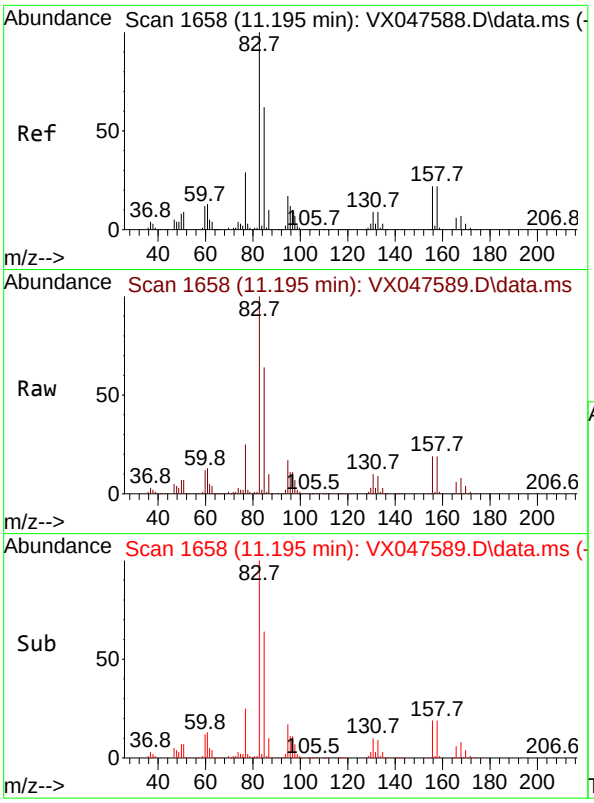


#74
N-amyl acetate
Concen: 105.812 ug/l
RT: 10.823 min Scan# 1597
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 43 Resp: 448344

Ion	Ratio	Lower	Upper
43	100		
70	39.6	32.0	48.0
55	22.8	18.9	28.3
61	23.4	18.8	28.2

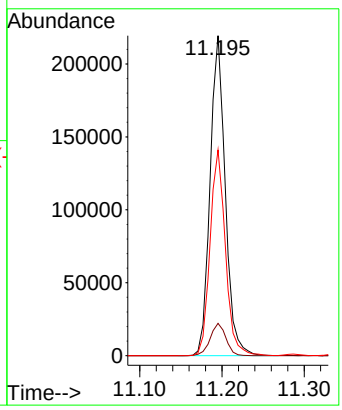




#75
1,1,2,2-Tetrachloroethane
Concen: 100.172 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 83 Resp: 28160

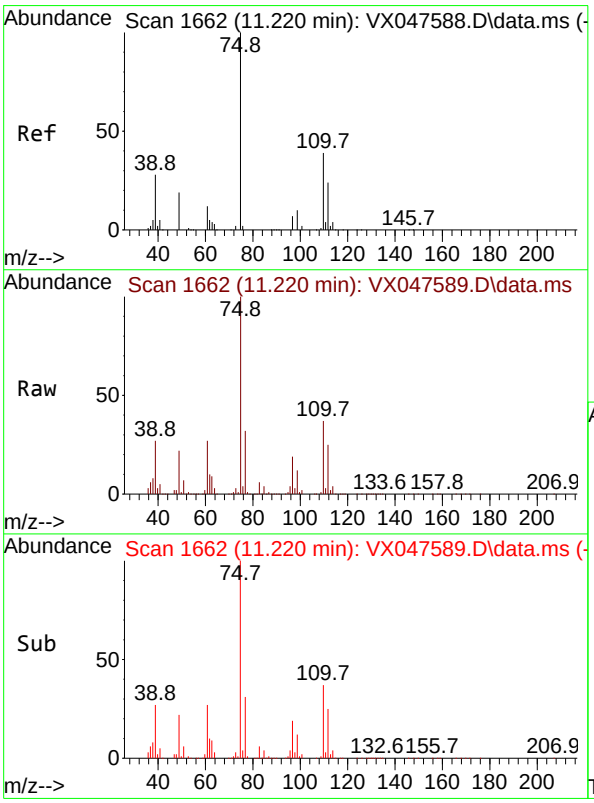
Ion	Ratio	Lower	Upper
83	100		
131	10.4	5.0	14.9
85	65.1	31.6	95.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

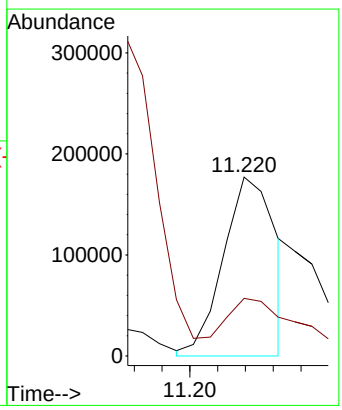
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

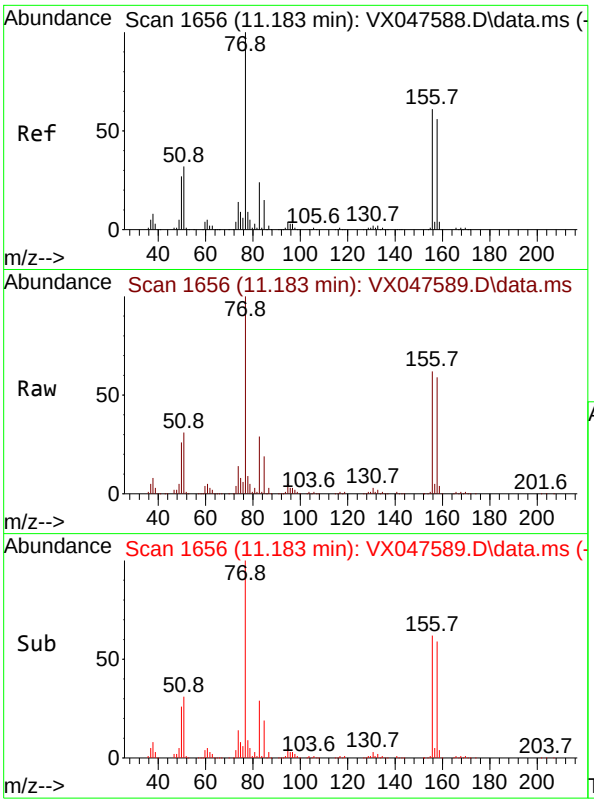


#76
1,2,3-Trichloropropane
Concen: 90.444 ug/l m
RT: 11.220 min Scan# 1662
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 75 Resp: 229521

Ion	Ratio	Lower	Upper
75	100		
77	43.9	18.8	56.4

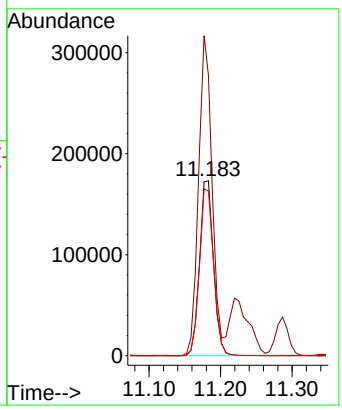




#77
Bromobenzene
Concen: 102.541 ug/l
RT: 11.183 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:156 Resp: 23466

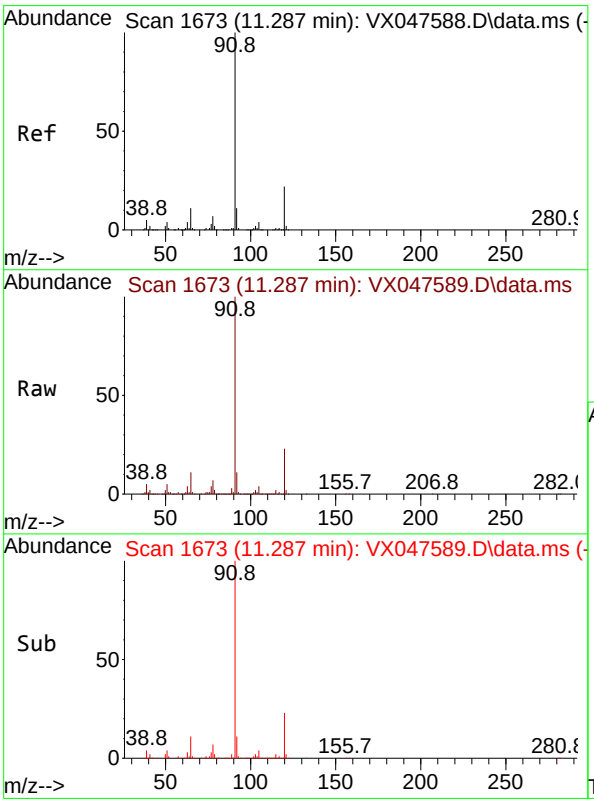
Ion	Ratio	Lower	Upper
156	100		
77	176.0	89.7	269.1
158	96.5	47.9	143.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

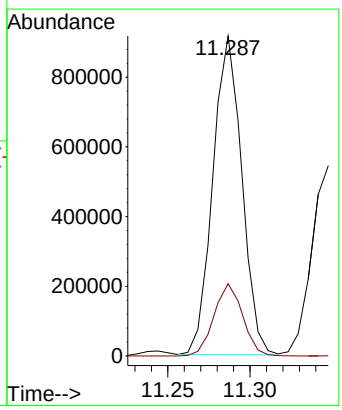
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

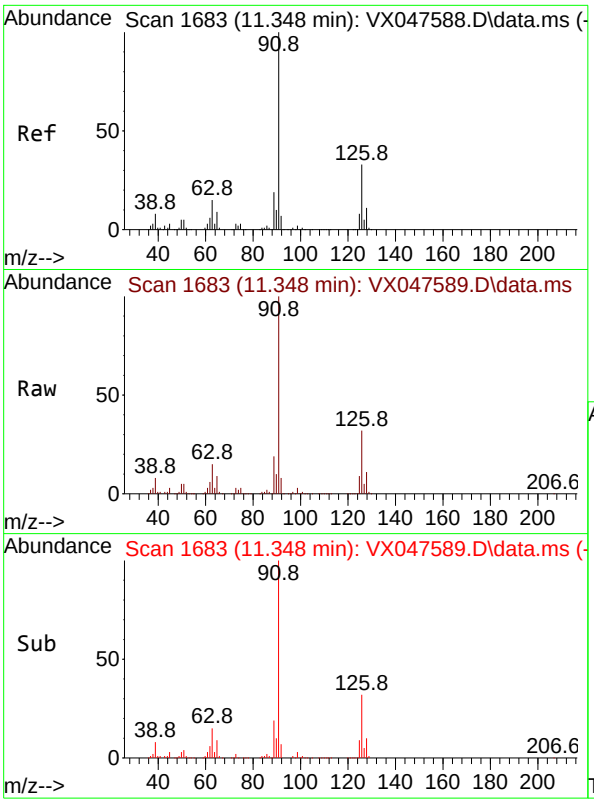


#78
n-propylbenzene
Concen: 101.941 ug/l
RT: 11.287 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 91 Resp: 1119728

Ion	Ratio	Lower	Upper
91	100		
120	22.4	11.1	33.1

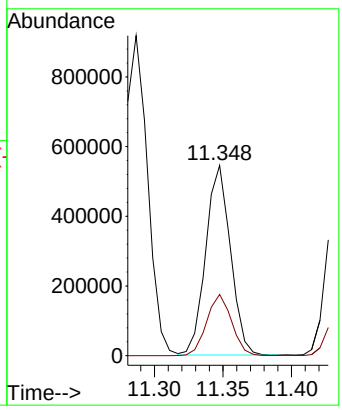




#79
2-Chlorotoluene
Concen: 101.652 ug/l
RT: 11.348 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 91 Resp: 68386

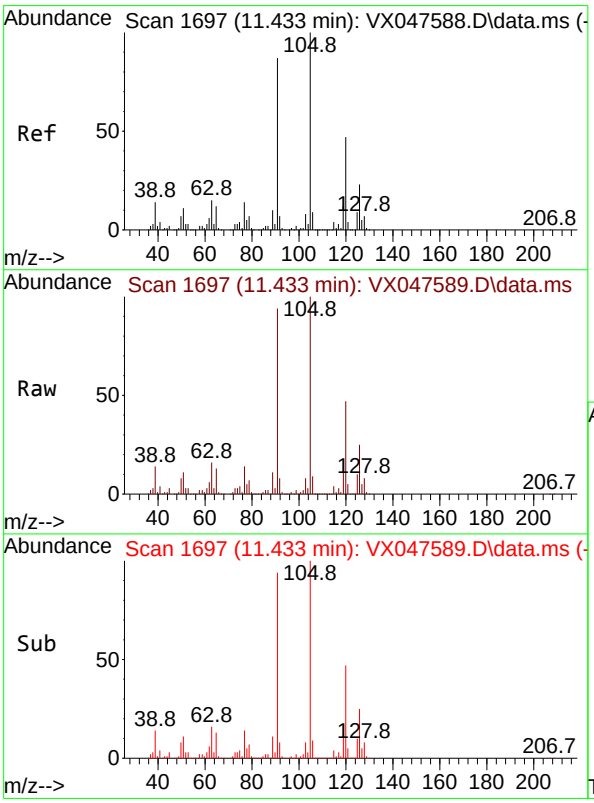
Ion	Ratio	Lower	Upper
91	100		
126	32.7	16.1	48.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

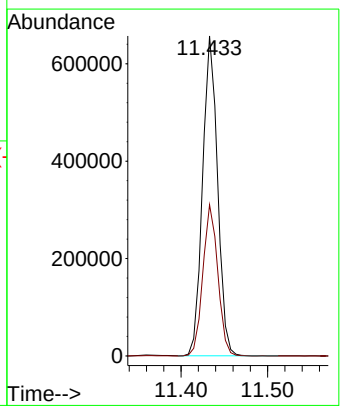
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

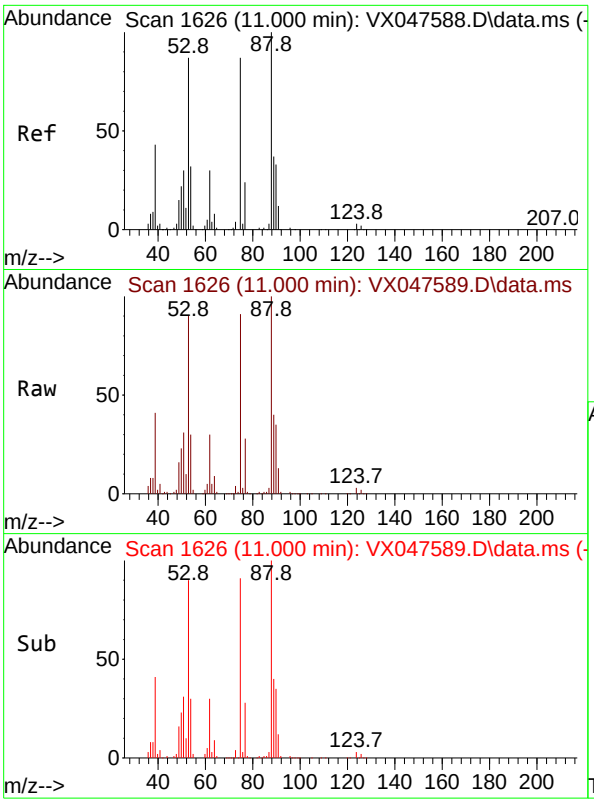


#80
1,3,5-Trimethylbenzene
Concen: 103.134 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:105 Resp: 787327

Ion	Ratio	Lower	Upper
105	100		
120	47.2	23.6	70.8

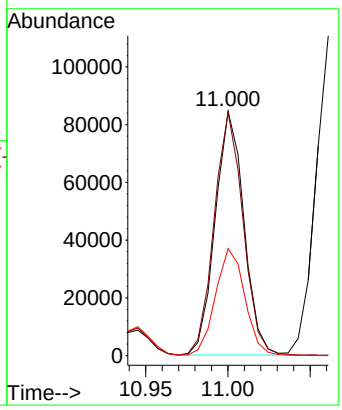




#81
trans-1,4-Dichloro-2-butene
Concen: 105.689 ug/l
RT: 11.000 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 75 Resp: 10255

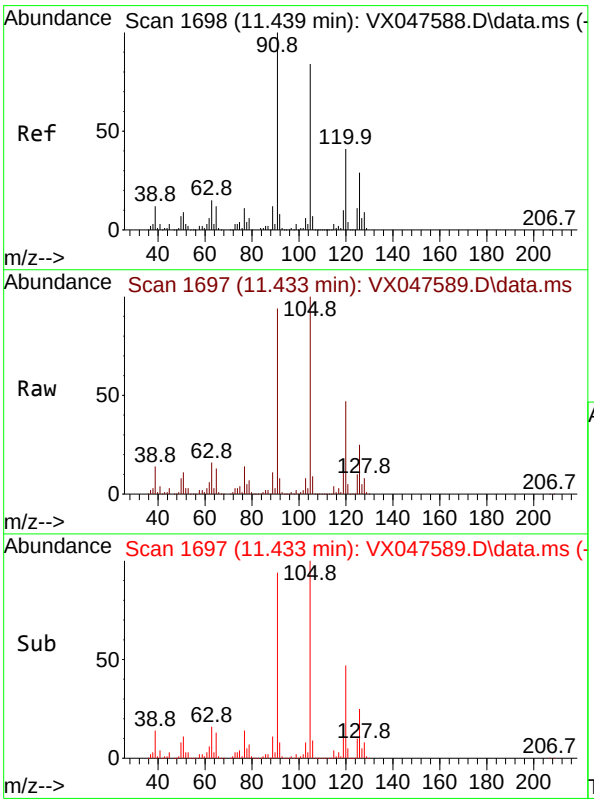
Ion	Ratio	Lower	Upper
75	100		
53	101.1	83.4	125.2
89	45.3	36.3	54.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

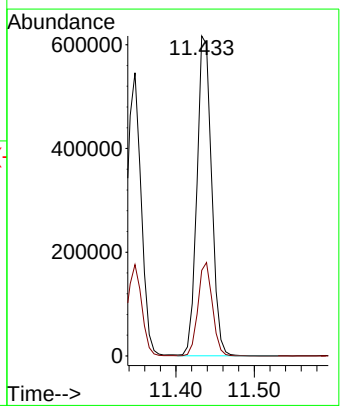
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

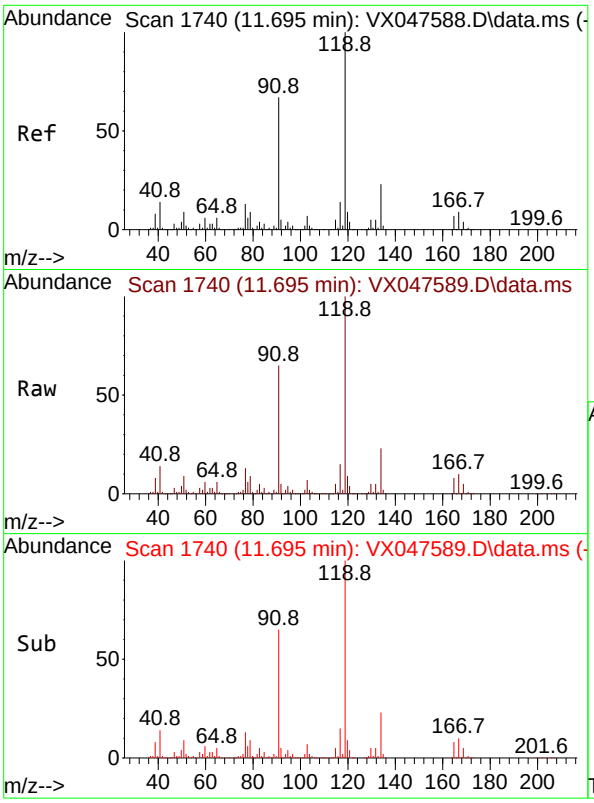


#82
4-Chlorotoluene
Concen: 101.054 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 91 Resp: 802929

Ion	Ratio	Lower	Upper
91	100		
126	28.6	14.2	42.6

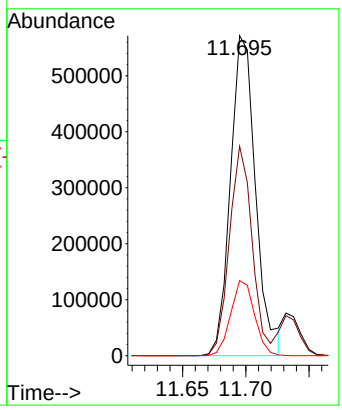




#83
tert-Butylbenzene
Concen: 101.333 ug/l
RT: 11.695 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:119 Resp: 79189

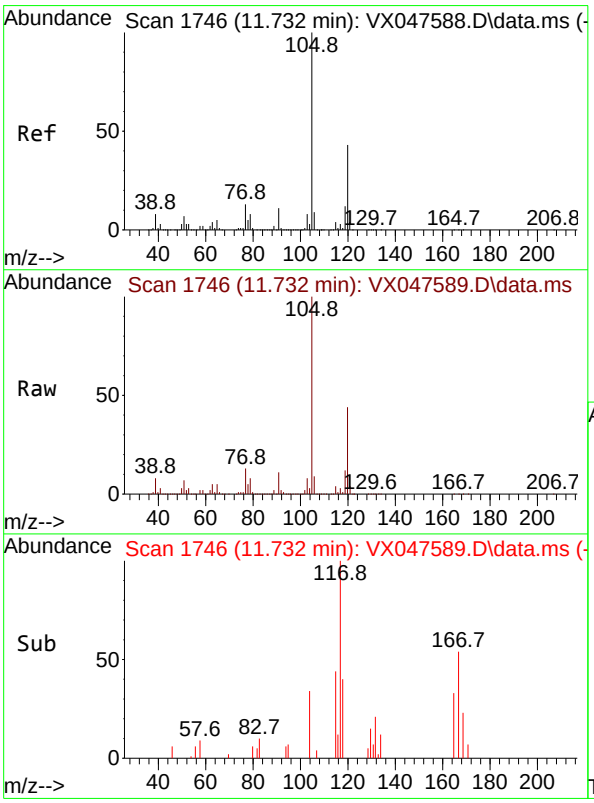
Ion	Ratio	Lower	Upper
119	100		
91	59.3	29.6	88.8
134	22.3	11.0	33.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

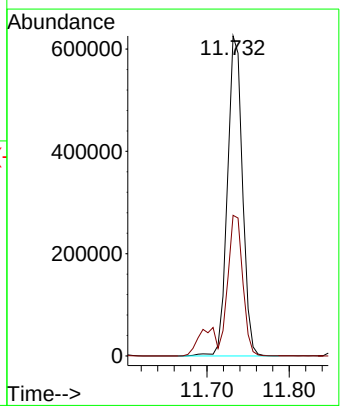
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

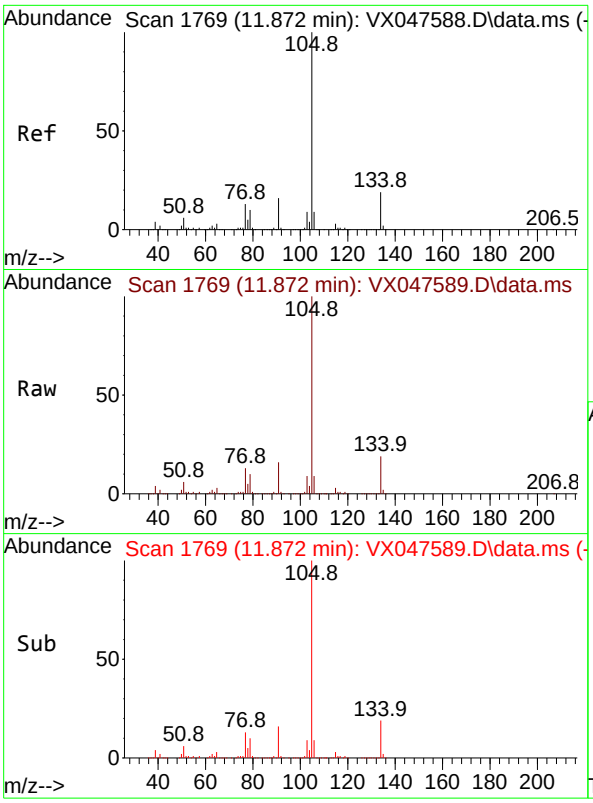


#84
1,2,4-Trimethylbenzene
Concen: 102.144 ug/l
RT: 11.732 min Scan# 1746
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:105 Resp: 790557

Ion	Ratio	Lower	Upper
105	100		
120	43.6	22.1	66.1

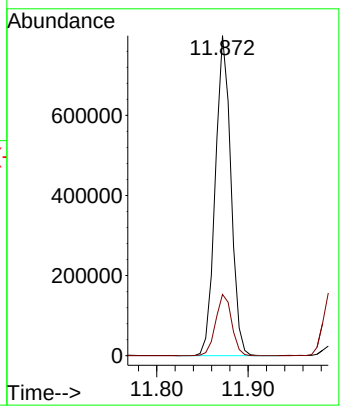




#85
sec-Butylbenzene
Concen: 101.840 ug/l
RT: 11.872 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:105 Resp: 94532

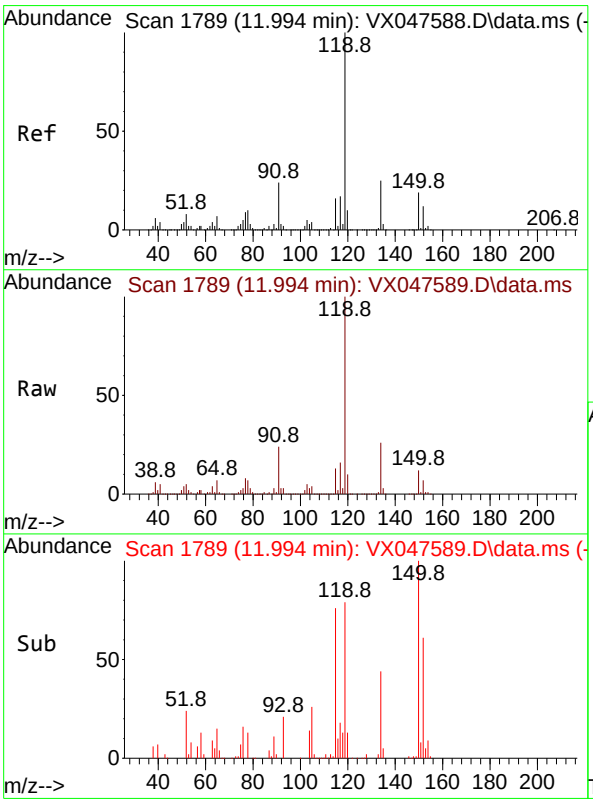
Ion	Ratio	Lower	Upper
105	100		
134	19.7	9.8	29.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

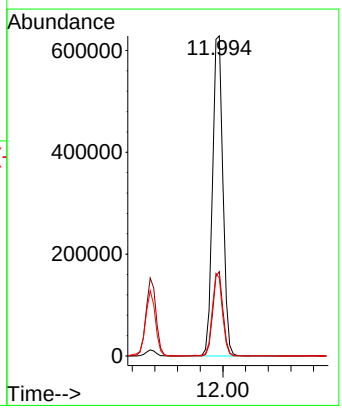
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

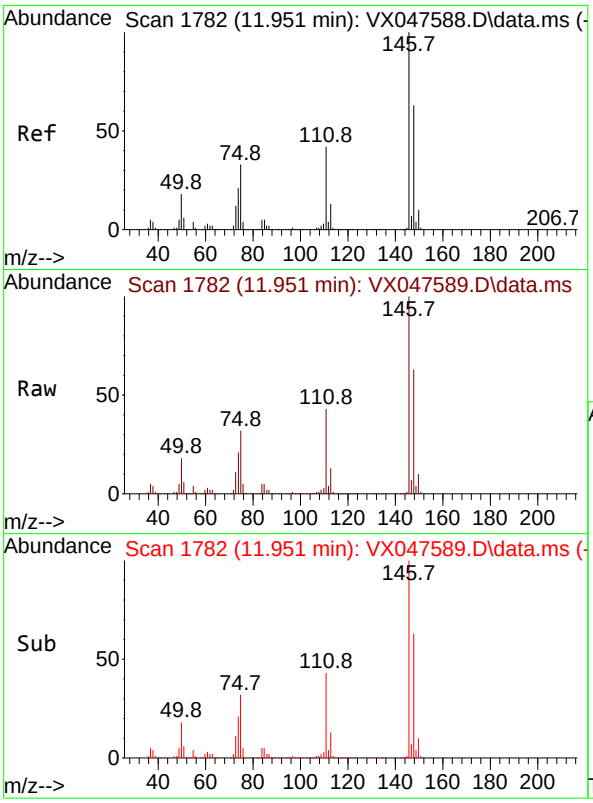


#86
p-Isopropyltoluene
Concen: 101.501 ug/l
RT: 11.994 min Scan# 1789
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:119 Resp: 797643

Ion	Ratio	Lower	Upper
119	100		
134	25.6	12.6	37.8
91	25.2	12.6	37.6

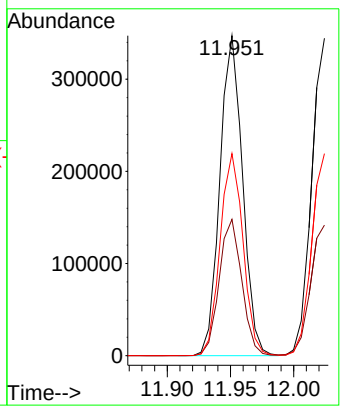




#87
1,3-Dichlorobenzene
Concen: 101.689 ug/l
RT: 11.951 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:146 Resp: 43224

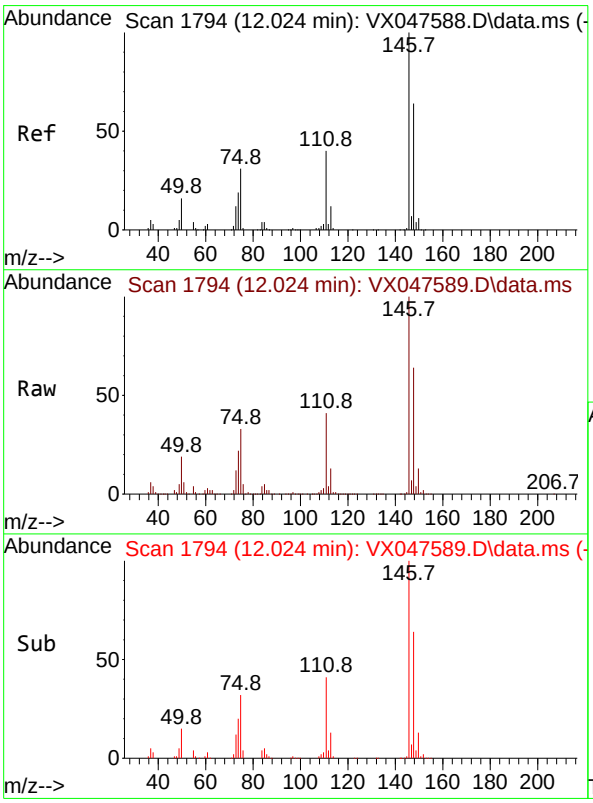
Ion	Ratio	Lower	Upper
146	100		
111	42.7	21.5	64.5
148	63.9	32.0	96.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

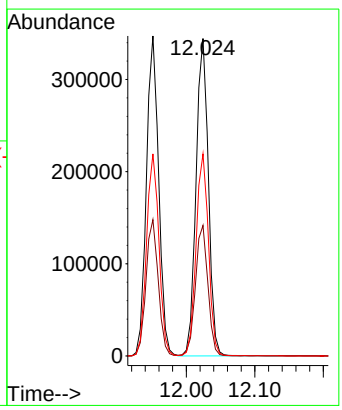
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

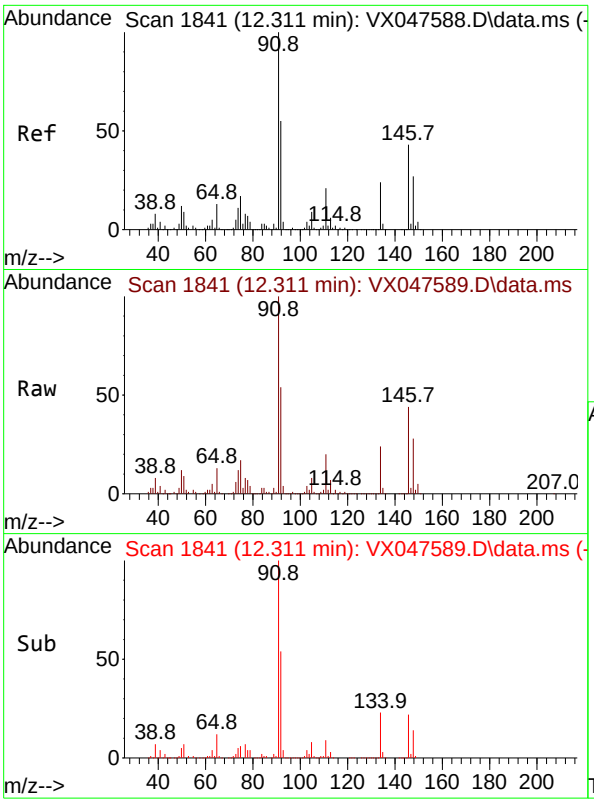


#88
1,4-Dichlorobenzene
Concen: 98.985 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:146 Resp: 431839

Ion	Ratio	Lower	Upper
146	100		
111	41.6	20.8	62.4
148	63.8	31.7	95.1





#89
n-Butylbenzene
Concen: 104.138 ug/l
RT: 12.311 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

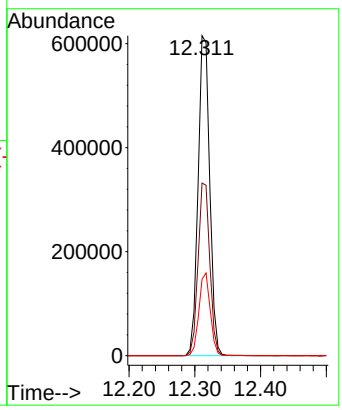
Tgt Ion: 91 Resp: 75723

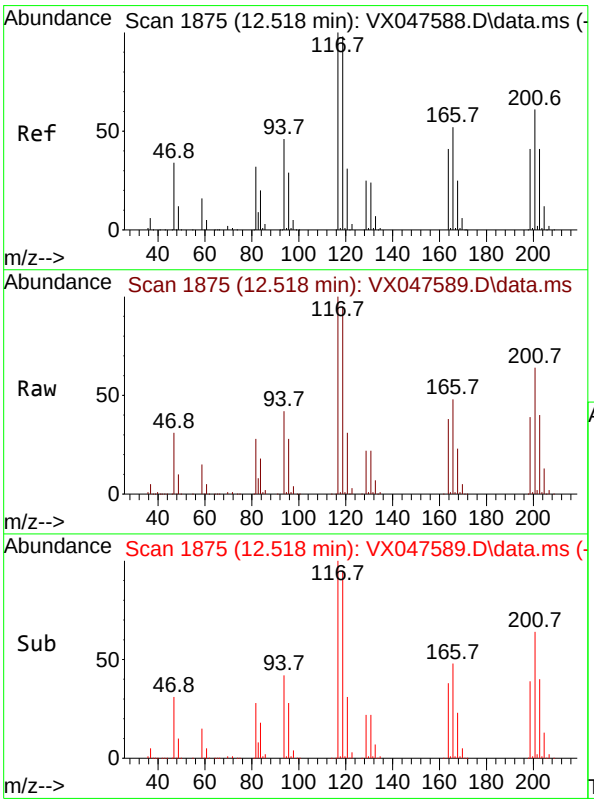
Ion	Ratio	Lower	Upper
91	100		
92	54.4	27.6	82.7
134	25.1	12.6	37.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

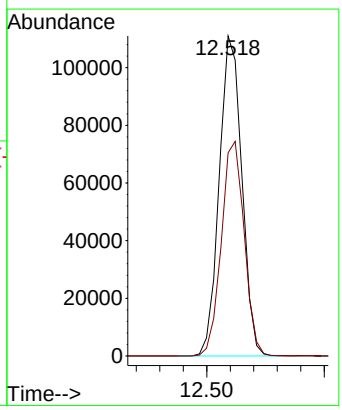


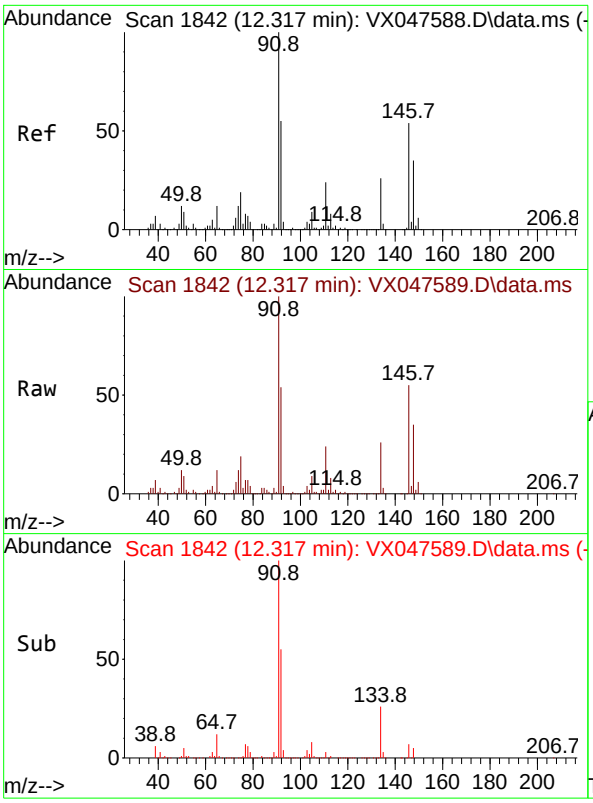


#90
Hexachloroethane
Concen: 107.304 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:117 Resp: 148048

Ion	Ratio	Lower	Upper
117	100		
201	68.1	34.2	102.5

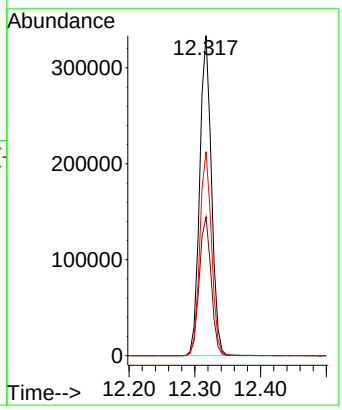




#91
1,2-Dichlorobenzene
Concen: 102.352 ug/l
RT: 12.317 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:146 Resp: 41449

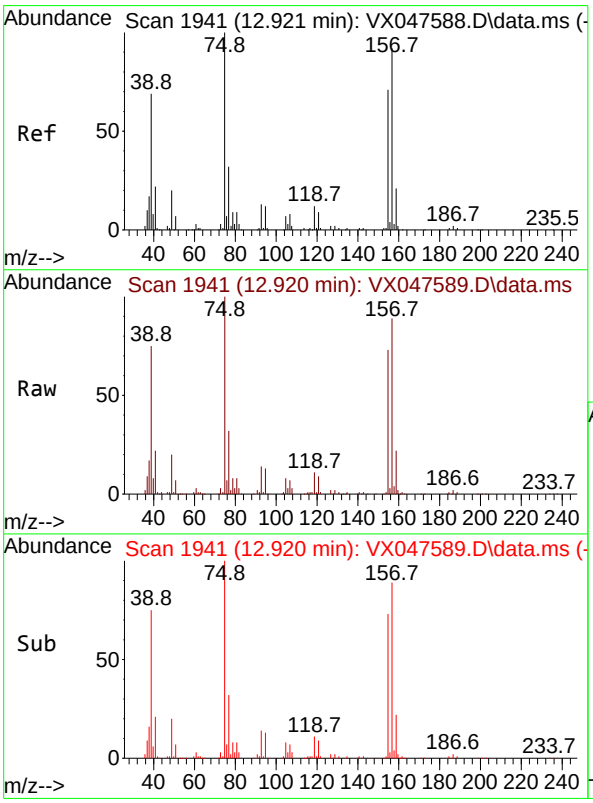
Ion	Ratio	Lower	Upper
146	100		
111	43.9	22.2	66.6
148	63.4	31.8	95.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

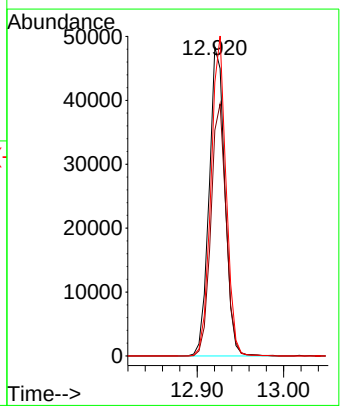
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

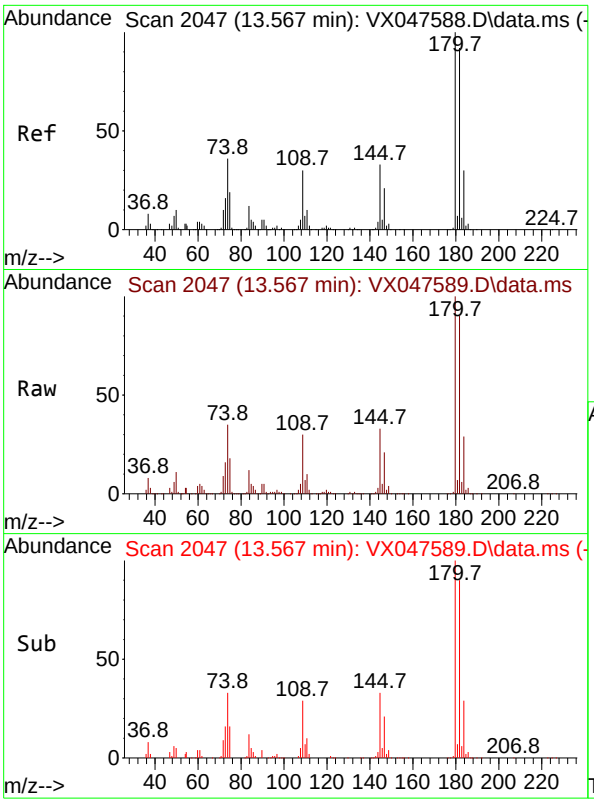


#92
1,2-Dibromo-3-Chloropropane
Concen: 107.225 ug/l
RT: 12.920 min Scan# 1941
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 75 Resp: 61029

Ion	Ratio	Lower	Upper
75	100		
155	79.0	37.7	113.1
157	99.2	49.8	149.4

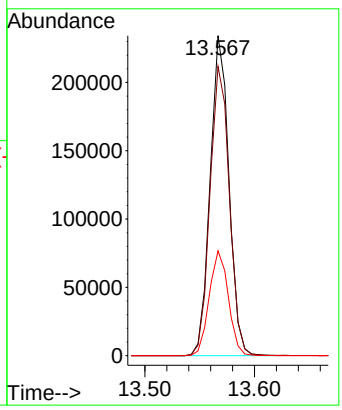




#93
1,2,4-Trichlorobenzene
Concen: 105.922 ug/l
RT: 13.567 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:180 Resp: 27877

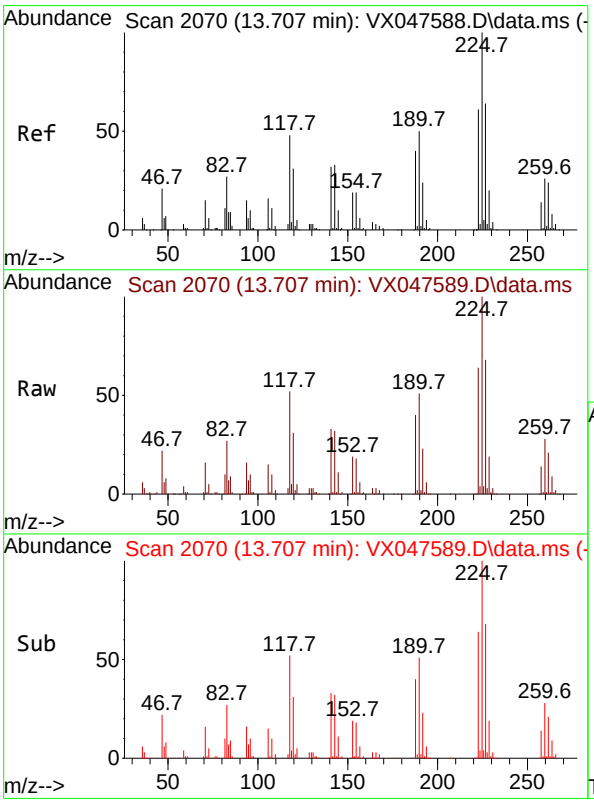
Ion	Ratio	Lower	Upper
180	100		
182	93.2	46.6	139.8
145	33.3	16.4	49.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

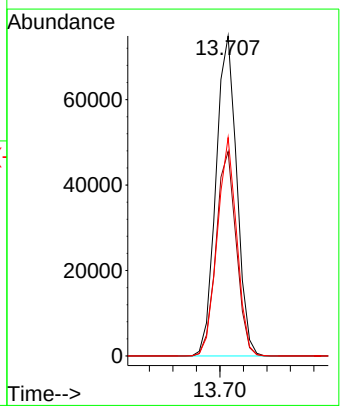
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

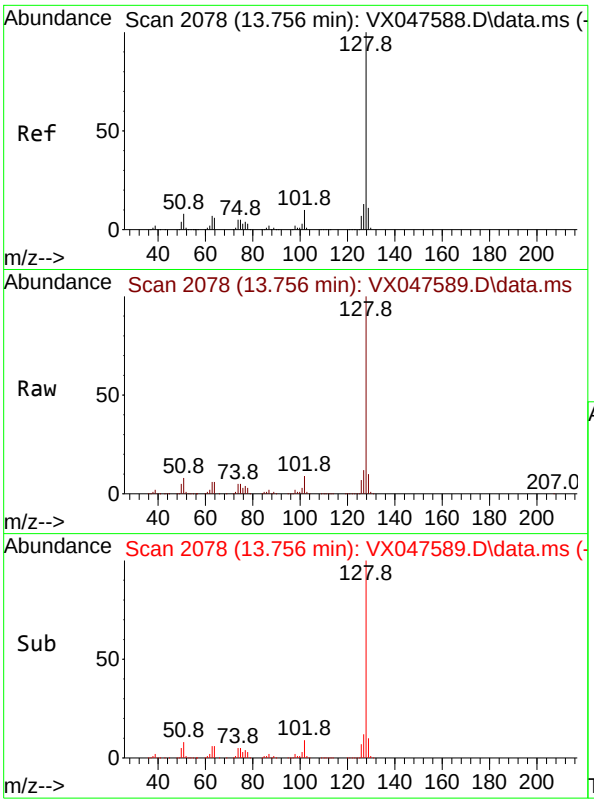


#94
Hexachlorobutadiene
Concen: 103.049 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:225 Resp: 92124

Ion	Ratio	Lower	Upper
225	100		
223	62.0	31.7	95.1
227	63.8	32.0	96.0

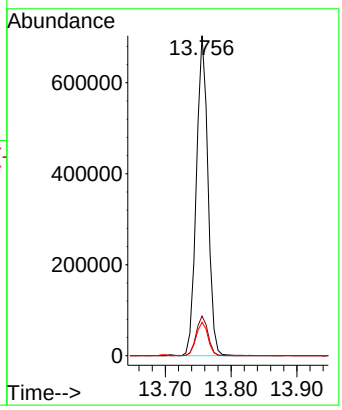




#95
Naphthalene
Concen: 106.620 ug/l
RT: 13.756 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:128 Resp: 85449

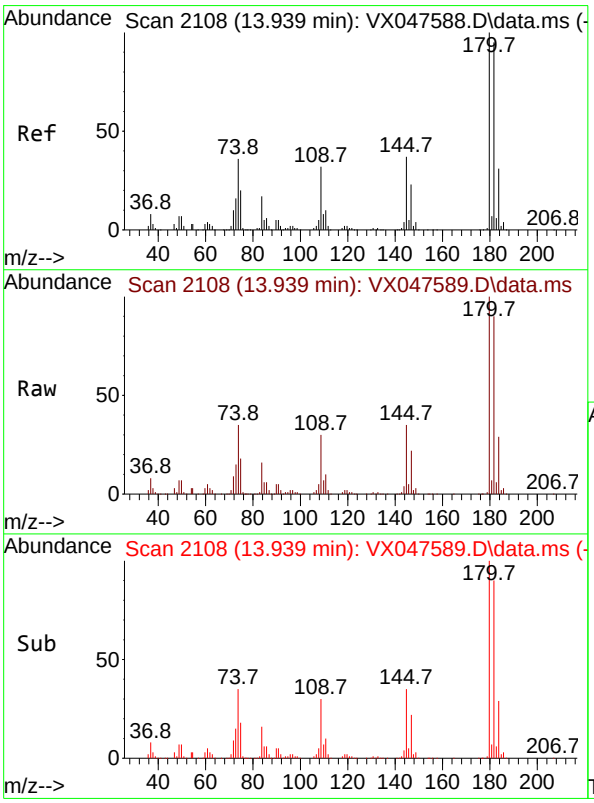
Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.2	15.2
129	10.8	8.8	13.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

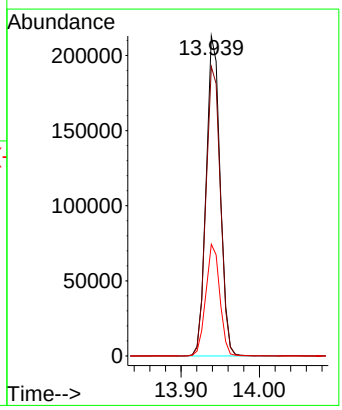
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025



#96
1,2,3-Trichlorobenzene
Concen: 107.633 ug/l
RT: 13.939 min Scan# 2108
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:180 Resp: 263512

Ion	Ratio	Lower	Upper
180	100		
182	93.6	47.6	142.8
145	35.0	17.9	53.7



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047590.D
Acq On : 16 Sep 2025 12:01
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

Quant Time: Sep 17 06:16:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:04:35 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	153177	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	274804	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	241818	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	114743	50.000	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	396627	162.673	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 325.340%#			
35) Dibromofluoromethane	5.373	113	303728	164.802	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 329.600%#			
50) Toluene-d8	8.635	98	1041079	163.253	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 326.500%#			
62) 4-Bromofluorobenzene	11.067	95	399386	165.020	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 330.040%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.173	85	226166	142.586	ug/l	99
3) Chloromethane	1.301	50	297259	142.593	ug/l	99
4) Vinyl Chloride	1.380	62	302303	148.140	ug/l	98
5) Bromomethane	1.605	94	147541	114.019	ug/l	98
6) Chloroethane	1.691	64	195927	143.652	ug/l	99
7) Trichlorofluoromethane	1.892	101	453116	149.545	ug/l	99
8) Diethyl Ether	2.136	74	188006	151.684	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.331	101	267995	151.264	ug/l	99
10) Methyl Iodide	2.453	142	407242	147.384	ug/l	99
11) Tert butyl alcohol	2.959	59	215927	795.166	ug/l	100
12) 1,1-Dichloroethene	2.325	96	273692	150.388	ug/l	97
13) Acrolein	2.239	56	223763	894.203	ug/l	98
14) Allyl chloride	2.666	41	554779	147.727	ug/l	99
15) Acrylonitrile	3.063	53	790790	786.201	ug/l	99
16) Acetone	2.380	43	686119	647.201	ug/l	98
17) Carbon Disulfide	2.514	76	714503	143.412	ug/l	99
18) Methyl Acetate	2.703	43	404736	171.548	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	1015295	152.826	ug/l	100
20) Methylene Chloride	2.788	84	324032	144.398	ug/l	96
21) trans-1,2-Dichloroethene	3.093	96	291616	148.833	ug/l	98
22) Diisopropyl ether	3.757	45	1095726	150.551	ug/l	97
23) Vinyl Acetate	3.715	43	4504849	773.364	ug/l	100
24) 1,1-Dichloroethane	3.605	63	587129	151.776	ug/l	98
25) 2-Butanone	4.544	43	973938	736.502	ug/l	99
26) 2,2-Dichloropropane	4.471	77	486890	151.414	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	366262	152.638	ug/l	99
28) Bromochloromethane	4.885	49	289548	171.451	ug/l	99
29) Tetrahydrofuran	4.989	42	616374	774.811	ug/l	100
30) Chloroform	5.080	83	591709	151.367	ug/l	99
31) Cyclohexane	5.458	56	456119	141.570	ug/l	99
32) 1,1,1-Trichloroethane	5.373	97	506654	152.802	ug/l	99
36) 1,1-Dichloropropene	5.684	75	386601	143.556	ug/l	99
37) Ethyl Acetate	4.702	43	444461	154.141	ug/l	99
38) Carbon Tetrachloride	5.666	117	427263	146.021	ug/l	98
39) Methylcyclohexane	7.367	83	456694	149.395	ug/l	98
40) Benzene	6.025	78	1202846	147.057	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047590.D
Acq On : 16 Sep 2025 12:01
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 17 06:16:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:04:35 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	4.904	41	223218	149.951 ug/l	99
42) 1,2-Dichloroethane	6.074	62	455978	146.515 ug/l	99
43) Isopropyl Acetate	6.324	43	724888	153.283 ug/l	99
44) Trichloroethene	7.111	130	299673	151.542 ug/l	96
45) 1,2-Dichloropropane	7.415	63	316720	151.219 ug/l	99
46) Dibromomethane	7.568	93	228550	149.954 ug/l	97
47) Bromodichloromethane	7.806	83	483438	153.710 ug/l	98
48) Methyl methacrylate	7.678	41	367931	156.194 ug/l	99
49) 1,4-Dioxane	7.647	88	82739	3475.565 ug/l	98
51) 4-Methyl-2-Pentanone	8.562	43	2008063	765.849 ug/l	100
52) Toluene	8.702	92	739332	146.712 ug/l	99
53) t-1,3-Dichloropropene	8.964	75	503912	157.076 ug/l	100
54) cis-1,3-Dichloropropene	8.354	75	530566	154.732 ug/l	99
55) 1,1,2-Trichloroethane	9.135	97	289103	148.781 ug/l	99
56) Ethyl methacrylate	9.104	69	490623	160.773 ug/l	97
57) 1,3-Dichloropropane	9.293	76	502121	150.426 ug/l	98
58) 2-Chloroethyl Vinyl ether	8.232	63	1202206	749.661 ug/l	99
59) 2-Hexanone	9.415	43	1412417	750.035 ug/l	99
60) Dibromochloromethane	9.506	129	347748	155.318 ug/l	98
61) 1,2-Dibromoethane	9.592	107	302715	152.949 ug/l	99
64) Tetrachloroethene	9.263	164	227931	144.590 ug/l	98
65) Chlorobenzene	10.061	112	828239	150.763 ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.147	131	291433	153.733 ug/l	98
67) Ethyl Benzene	10.177	91	1431554	151.026 ug/l	99
68) m/p-Xylenes	10.287	106	1059776	300.381 ug/l	99
69) o-Xylene	10.628	106	521840	152.920 ug/l	99
70) Styrene	10.640	104	917532	153.449 ug/l	99
71) Bromoform	10.781	173	229683	162.262 ug/l	99
73) Isopropylbenzene	10.945	105	1321409	151.477 ug/l	99
74) N-amyl acetate	10.829	43	636879	160.099 ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.195	83	403906	153.035 ug/l	99
76) 1,2,3-Trichloropropane	11.226	75	366171m	153.692 ug/l	
77) Bromobenzene	11.183	156	328336	152.818 ug/l	99
78) n-propylbenzene	11.287	91	1550316	150.337 ug/l	99
79) 2-Chlorotoluene	11.348	91	939707	148.781 ug/l	99
80) 1,3,5-Trimethylbenzene	11.433	105	1091593	152.306 ug/l	100
81) trans-1,4-Dichloro-2-b...	11.000	75	145921	160.176 ug/l	97
82) 4-Chlorotoluene	11.439	91	1127233	151.112 ug/l	100
83) tert-Butylbenzene	11.701	119	1106532	150.819 ug/l	99
84) 1,2,4-Trimethylbenzene	11.738	105	1106914	152.336 ug/l	100
85) sec-Butylbenzene	11.872	105	1319819	151.448 ug/l	99
86) p-Isopropyltoluene	11.994	119	1103210	149.530 ug/l	99
87) 1,3-Dichlorobenzene	11.951	146	605123	151.633 ug/l	100
88) 1,4-Dichlorobenzene	12.024	146	613617	149.814 ug/l	99
89) n-Butylbenzene	12.317	91	1032357	151.222 ug/l	100
90) Hexachloroethane	12.518	117	211472	163.258 ug/l	98
91) 1,2-Dichlorobenzene	12.317	146	582565	153.227 ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.920	75	89415	167.332 ug/l	96
93) 1,2,4-Trichlorobenzene	13.567	180	387652	156.884 ug/l	98
94) Hexachlorobutadiene	13.707	225	121791	145.110 ug/l	99
95) Naphthalene	13.756	128	1229363	163.388 ug/l	100
96) 1,2,3-Trichlorobenzene	13.939	180	369382	160.704 ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047590.D
Acq On : 16 Sep 2025 12:01
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

Quant Time: Sep 17 06:16:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:04:35 2025
Response via : Initial Calibration

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

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

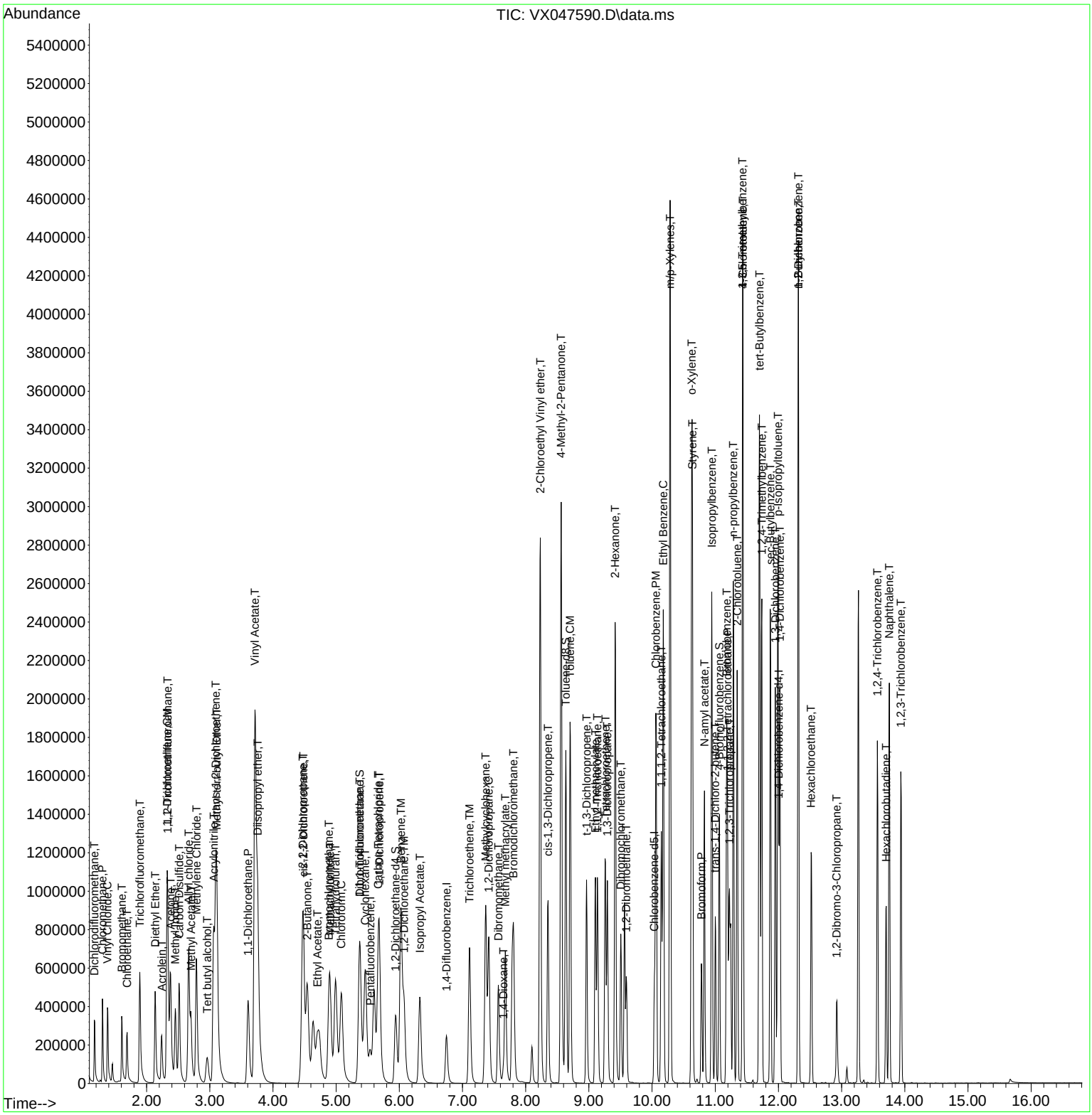
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047590.D
Acq On : 16 Sep 2025 12:01
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

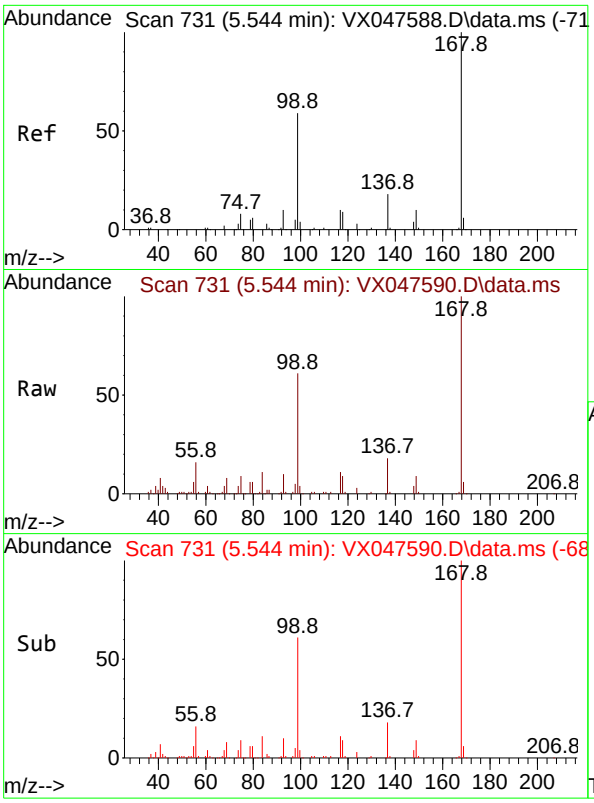
Quant Time: Sep 17 06:16:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:04:35 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

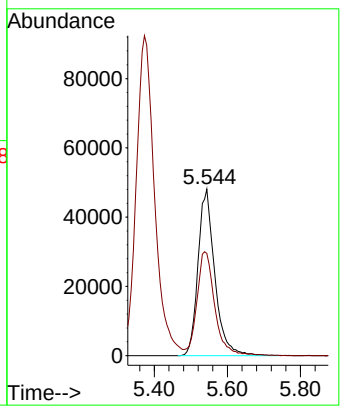




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:168 Resp: 15317

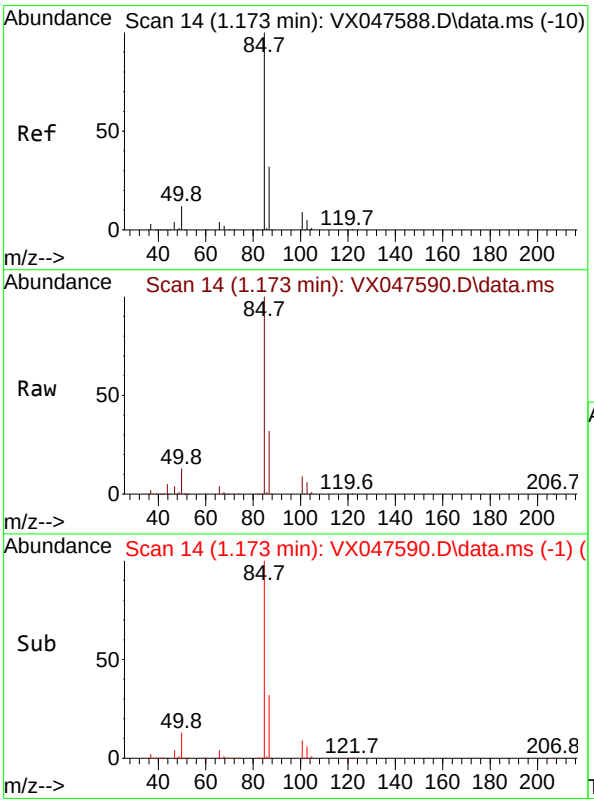
Ion	Ratio	Lower	Upper
168	100		
99	61.1	48.8	73.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

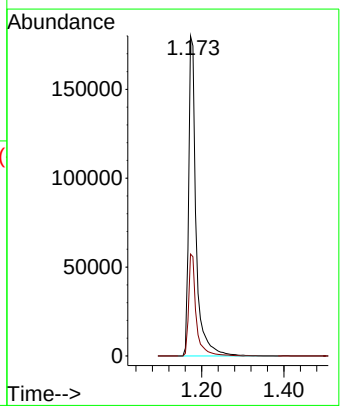
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

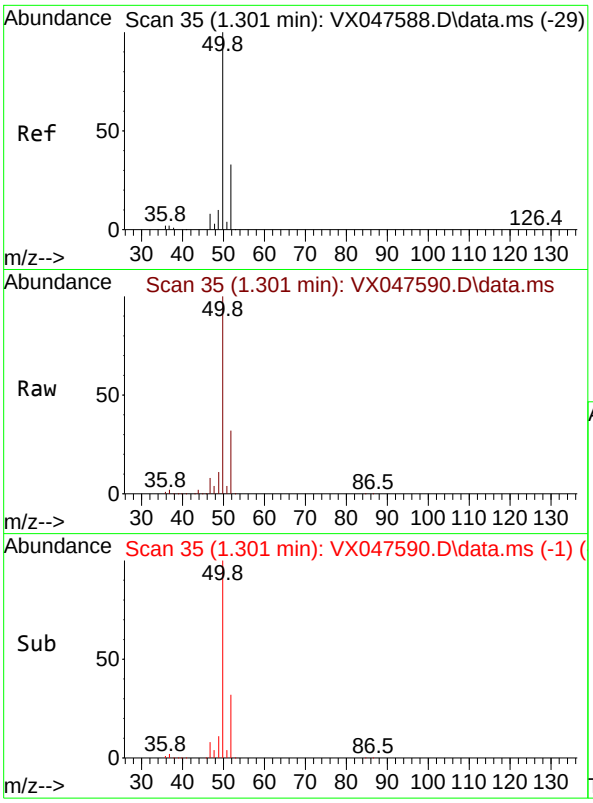


#2
Dichlorodifluoromethane
Concen: 142.586 ug/l
RT: 1.173 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 85 Resp: 226166

Ion	Ratio	Lower	Upper
85	100		
87	31.8	15.8	47.3

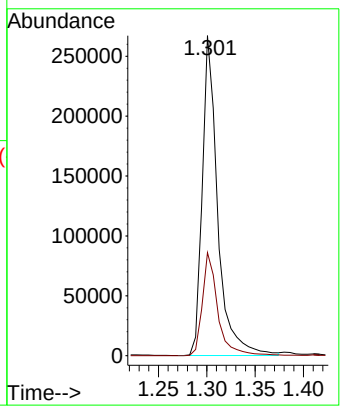




#3
Chloromethane
Concen: 142.593 ug/l
RT: 1.301 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 50 Resp: 29725

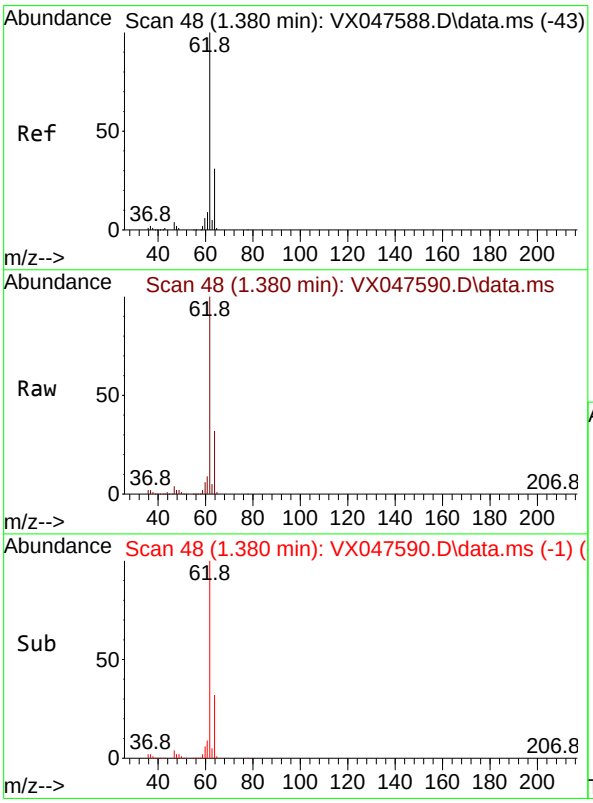
Ion	Ratio	Lower	Upper
50	100		
52	32.2	26.1	39.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

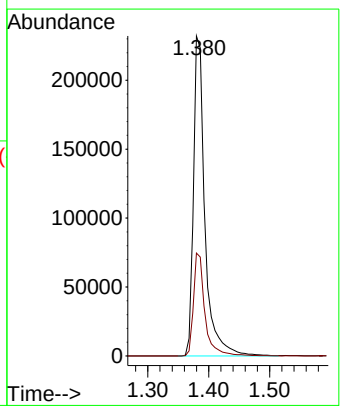
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

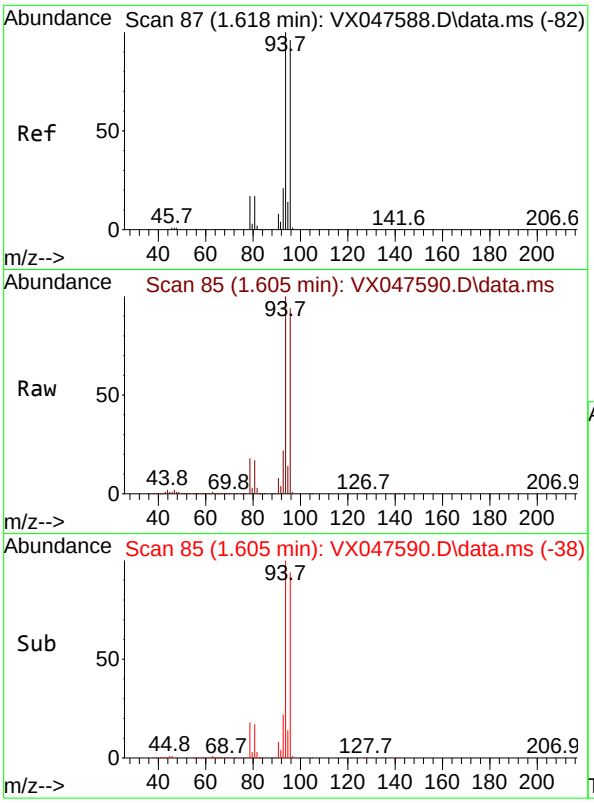


#4
Vinyl Chloride
Concen: 148.140 ug/l
RT: 1.380 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 62 Resp: 302303

Ion	Ratio	Lower	Upper
62	100		
64	32.1	24.9	37.3

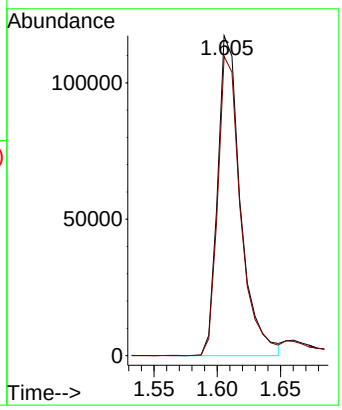




#5
Bromomethane
Concen: 114.019 ug/l
RT: 1.605 min Scan# 8
Delta R.T. -0.012 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 94 Resp: 14754

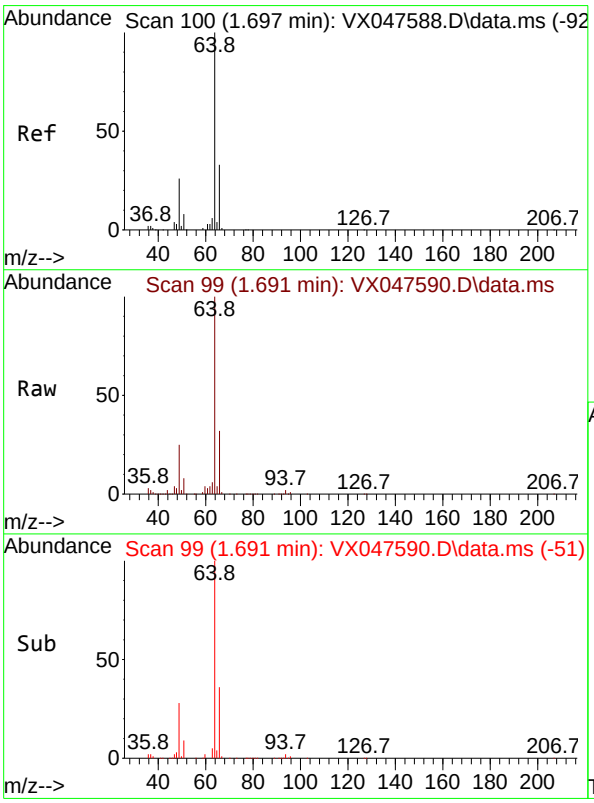
Ion	Ratio	Lower	Upper
94	100		
96	93.4	76.6	115.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

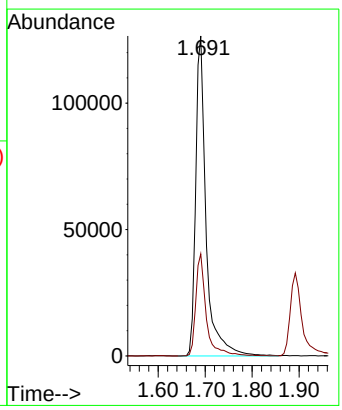
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

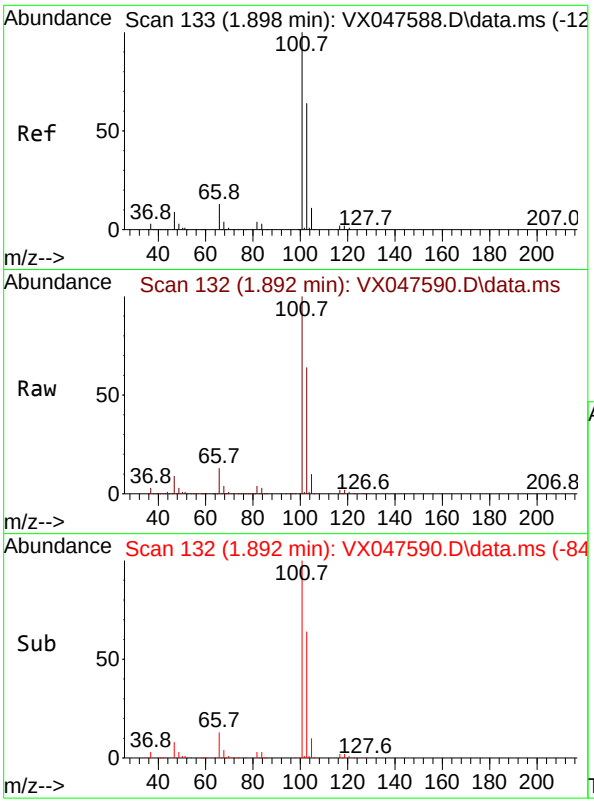


#6
Chloroethane
Concen: 143.652 ug/l
RT: 1.691 min Scan# 99
Delta R.T. -0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 64 Resp: 195927

Ion	Ratio	Lower	Upper
64	100		
66	31.9	26.1	39.1

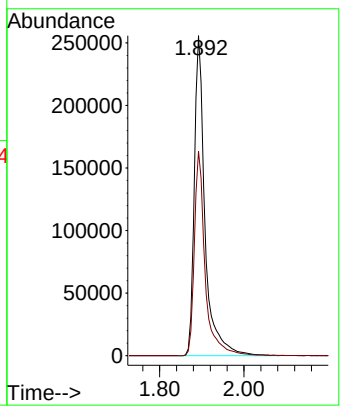




#7
Trichlorofluoromethane
Concen: 149.545 ug/l
RT: 1.892 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:101 Resp: 45311

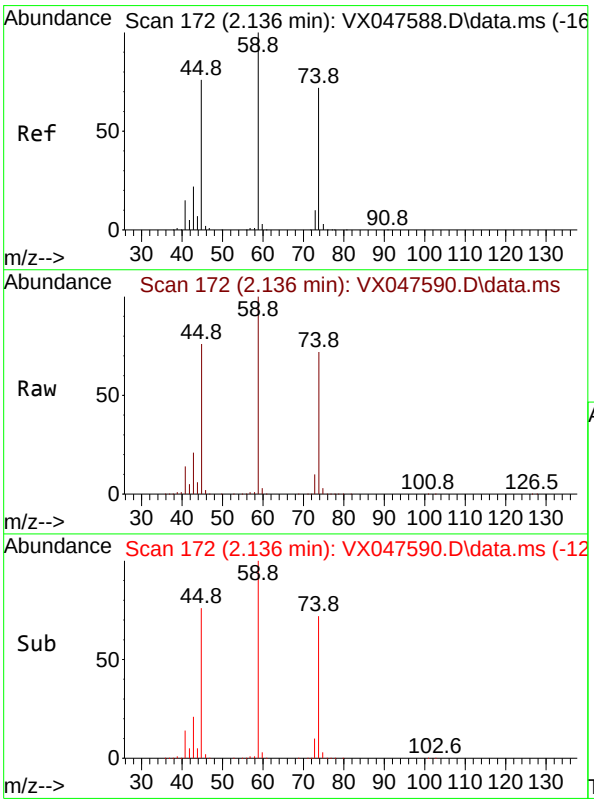
Ion	Ratio	Lower	Upper
101	100		
103	63.9	51.4	77.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

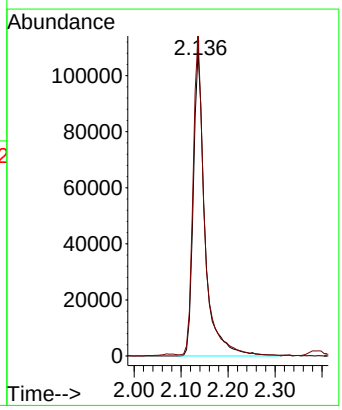
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

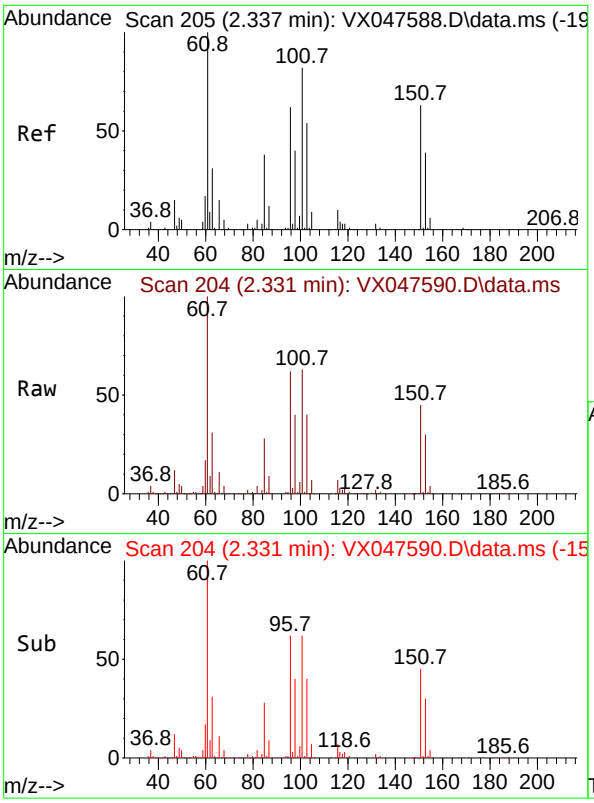


#8
Diethyl Ether
Concen: 151.684 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 74 Resp: 188006

Ion	Ratio	Lower	Upper
74	100		
45	105.5	52.3	156.8





#9
1,1,2-Trichlorotrifluoroethane
Concen: 151.264 ug/l
RT: 2.331 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

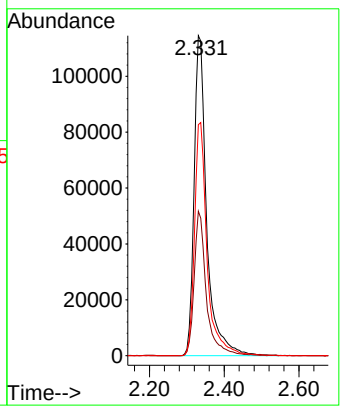
Tgt Ion:101 Resp: 26799

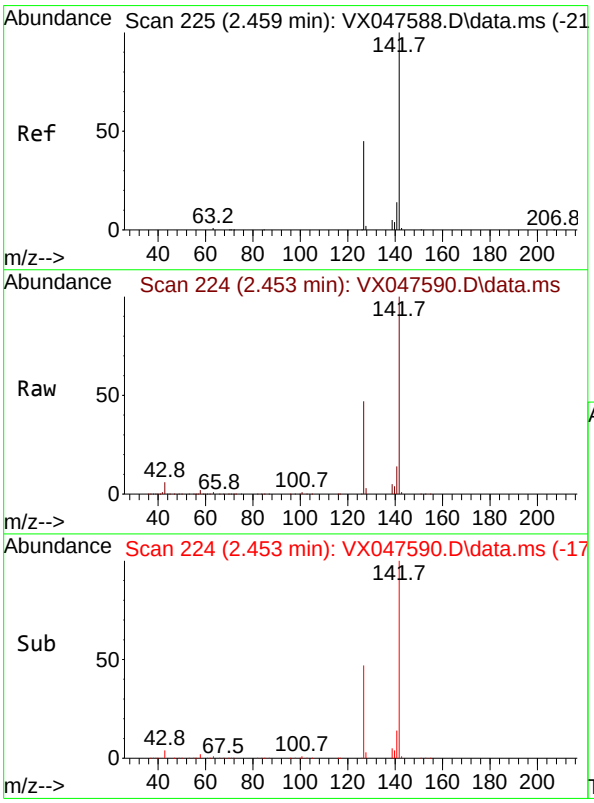
Ion	Ratio	Lower	Upper
101	100		
85	43.9	35.5	53.3
151	73.2	59.4	89.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

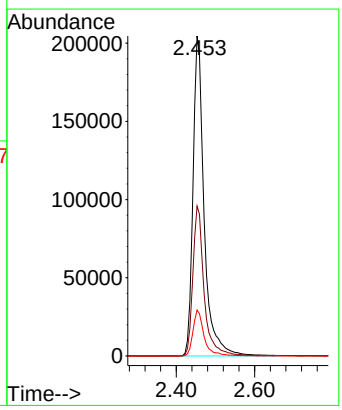


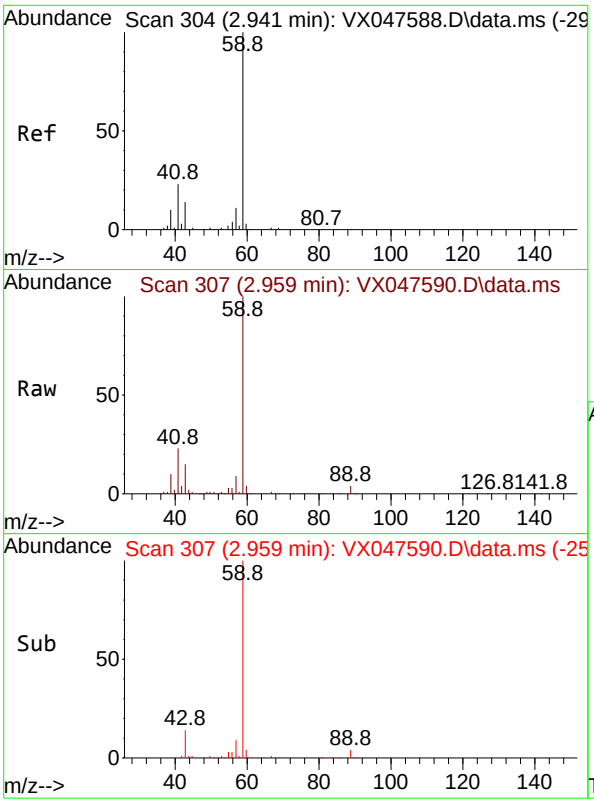


#10
Methyl Iodide
Concen: 147.384 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:142 Resp: 407242

Ion	Ratio	Lower	Upper
142	100		
127	47.3	37.2	55.8
141	14.3	11.4	17.0

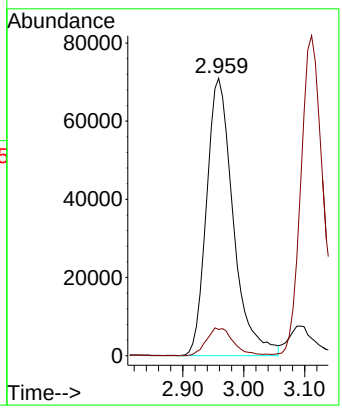




#11
Tert butyl alcohol
Concen: 795.166 ug/l
RT: 2.959 min Scan# 3
Delta R.T. 0.018 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 59 Resp: 21592

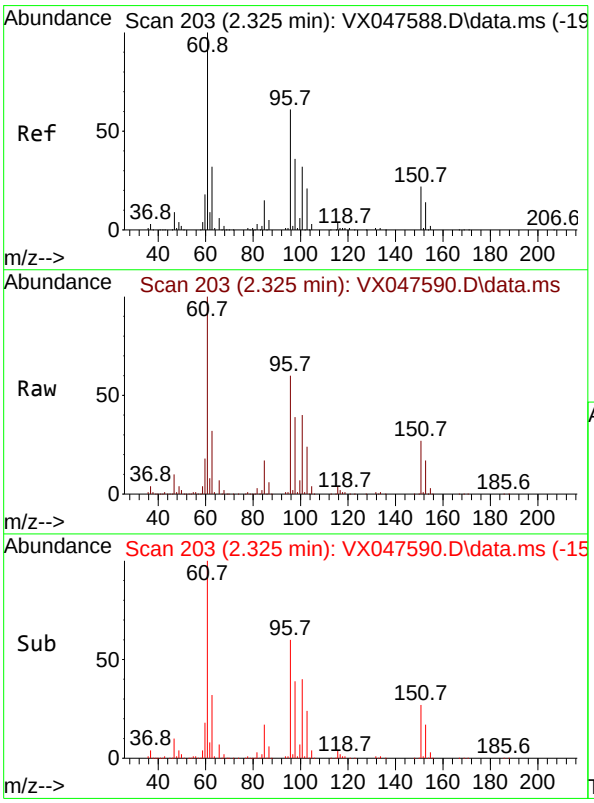
Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.3	12.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

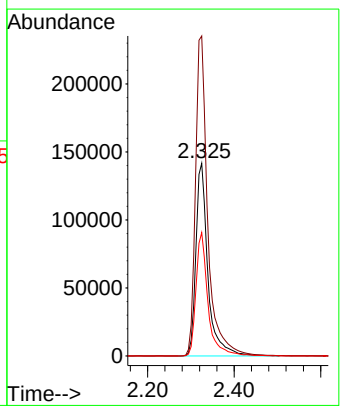
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

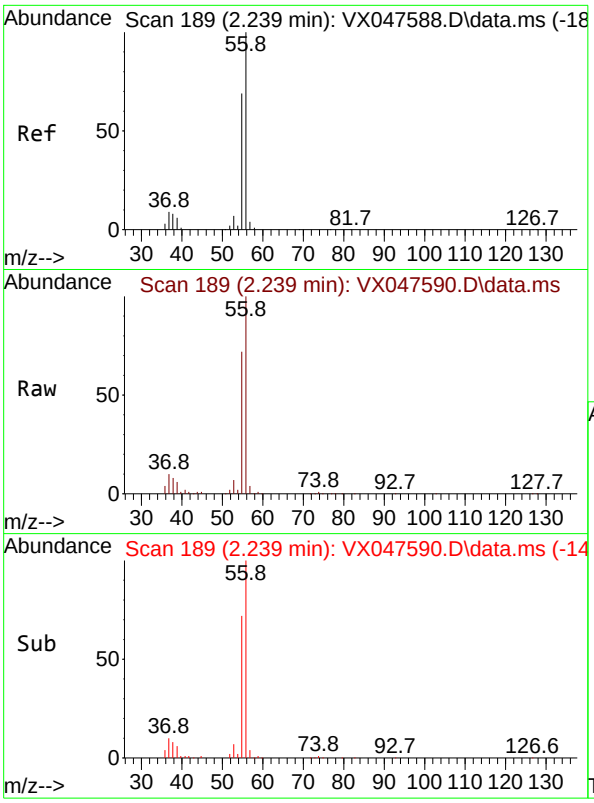


#12
1,1-Dichloroethene
Concen: 150.388 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 96 Resp: 273692

Ion	Ratio	Lower	Upper
96	100		
61	166.1	131.0	196.6
98	64.0	47.7	71.5

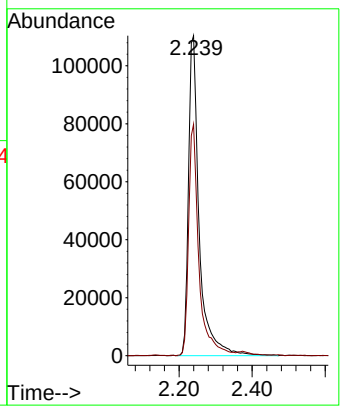




#13
Acrolein
Concen: 894.203 ug/l
RT: 2.239 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 56 Resp: 22376

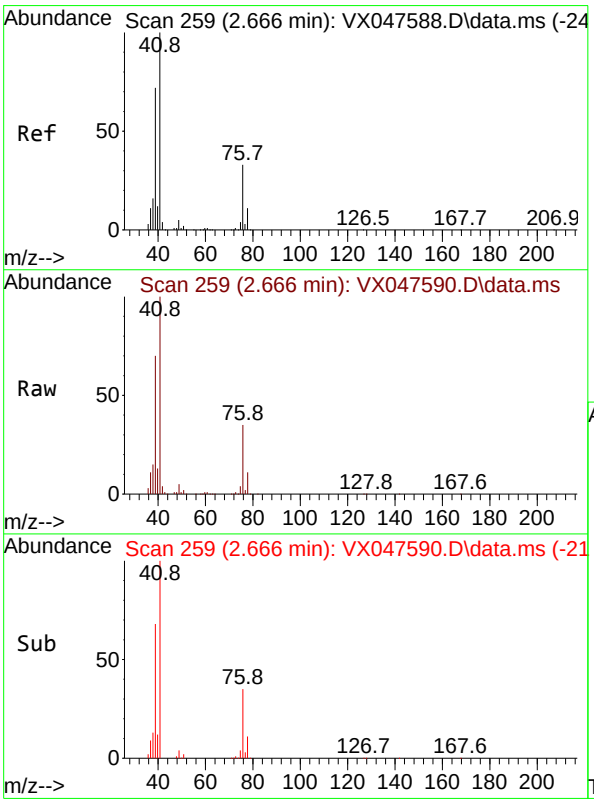
Ion	Ratio	Lower	Upper
56	100		
55	69.6	57.2	85.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

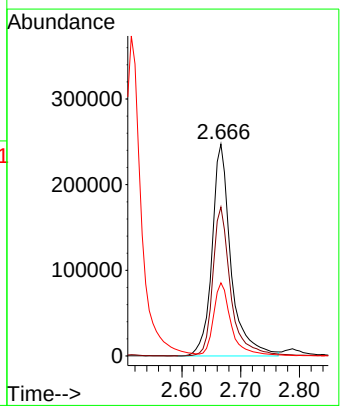
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

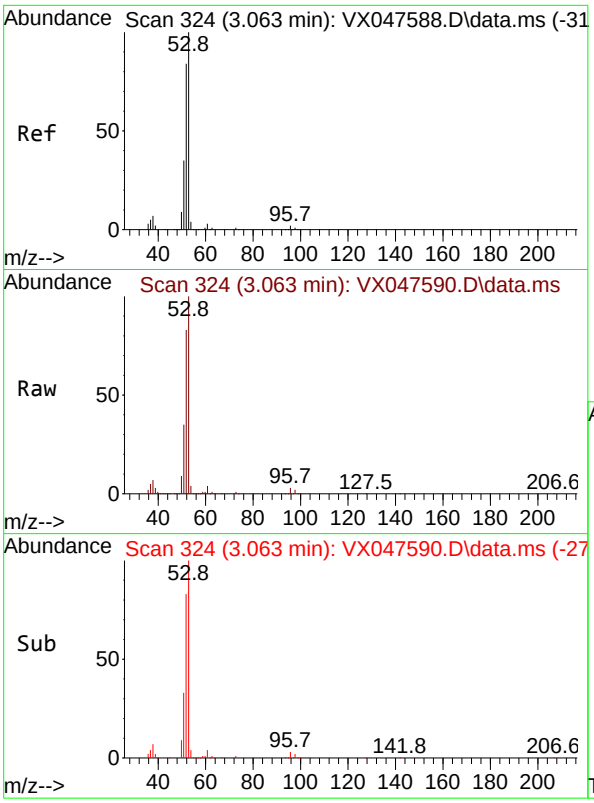


#14
Allyl chloride
Concen: 147.727 ug/l
RT: 2.666 min Scan# 259
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 41 Resp: 554779

Ion	Ratio	Lower	Upper
41	100		
39	67.3	54.7	82.1
76	32.4	25.7	38.5





#15
Acrylonitrile
Concen: 786.201 ug/l
RT: 3.063 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

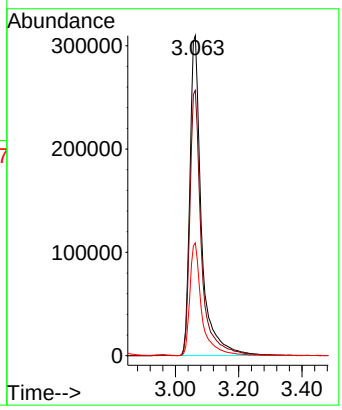
Tgt Ion: 53 Resp: 79079

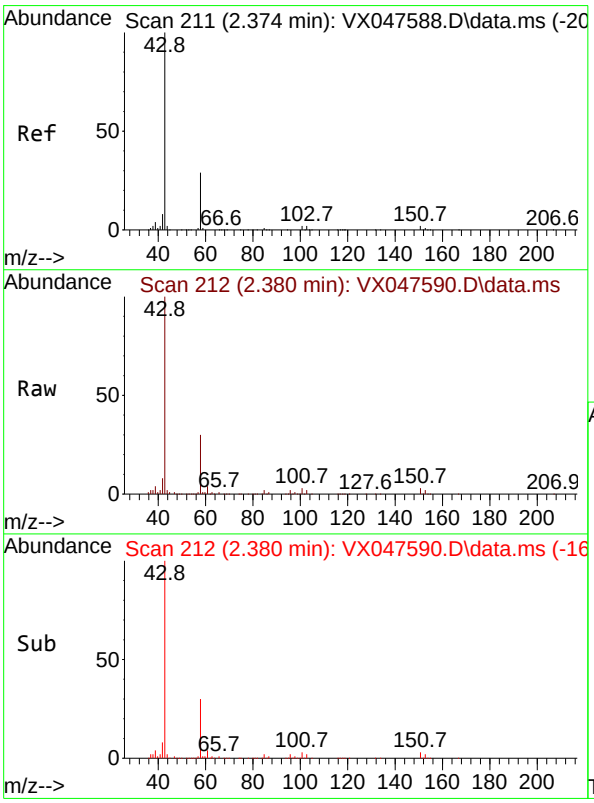
Ion	Ratio	Lower	Upper
53	100		
52	82.6	66.4	99.6
51	36.1	29.5	44.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

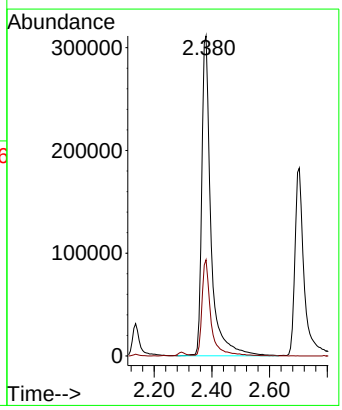


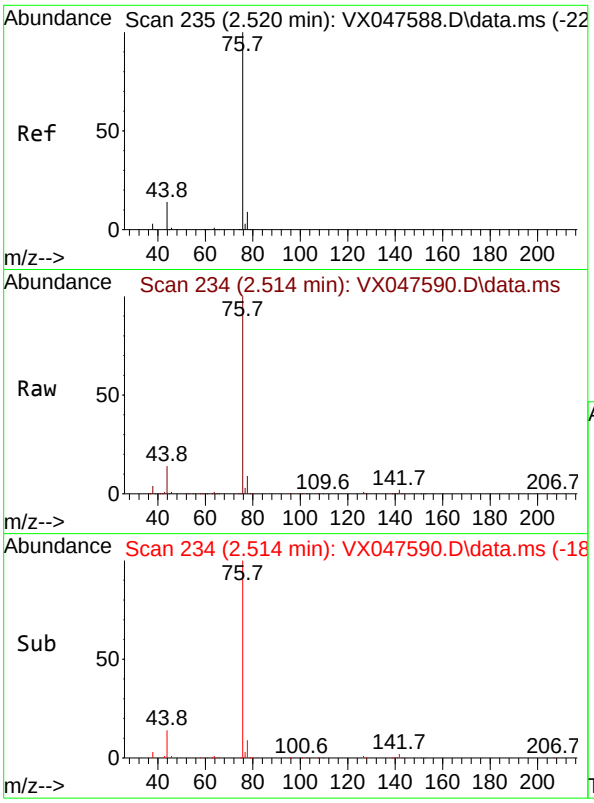


#16
Acetone
Concen: 647.201 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 43 Resp: 686119

Ion	Ratio	Lower	Upper
43	100		
58	30.0	23.4	35.0

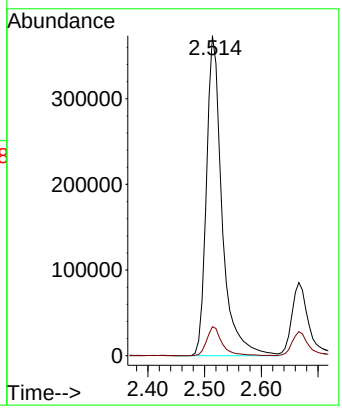




#17
Carbon Disulfide
Concen: 143.412 ug/l
RT: 2.514 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 76 Resp: 71450

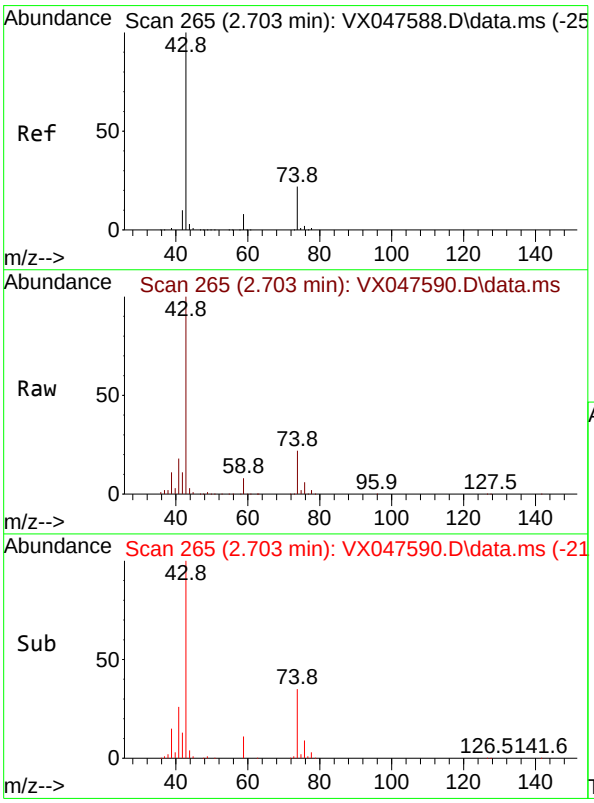
Ion	Ratio	Lower	Upper
76	100		
78	9.0	6.8	10.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

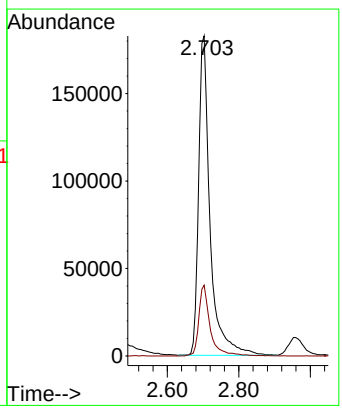
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

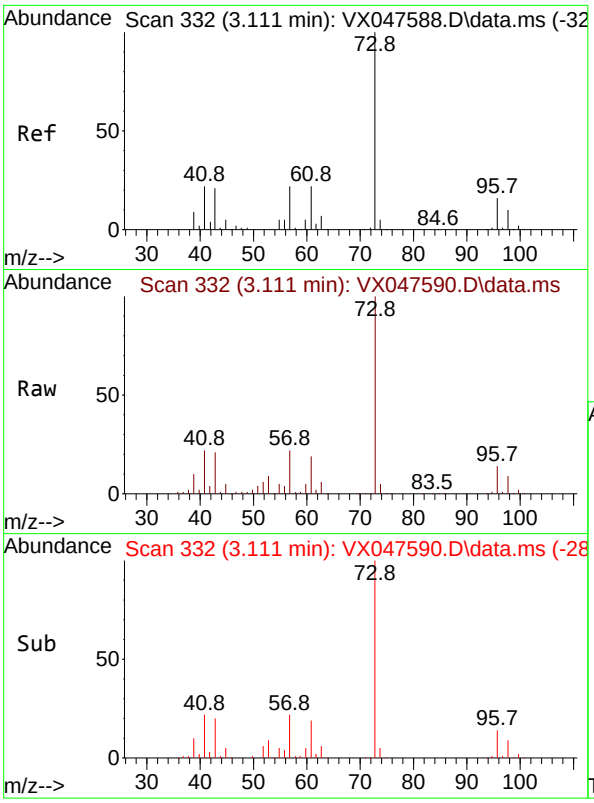


#18
Methyl Acetate
Concen: 171.548 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 43 Resp: 404736

Ion	Ratio	Lower	Upper
43	100		
74	22.1	17.4	26.2

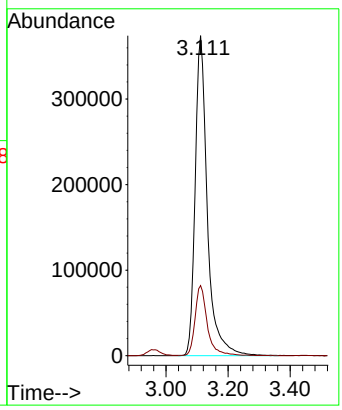




#19
Methyl tert-butyl Ether
Concen: 152.826 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 73 Resp: 101529

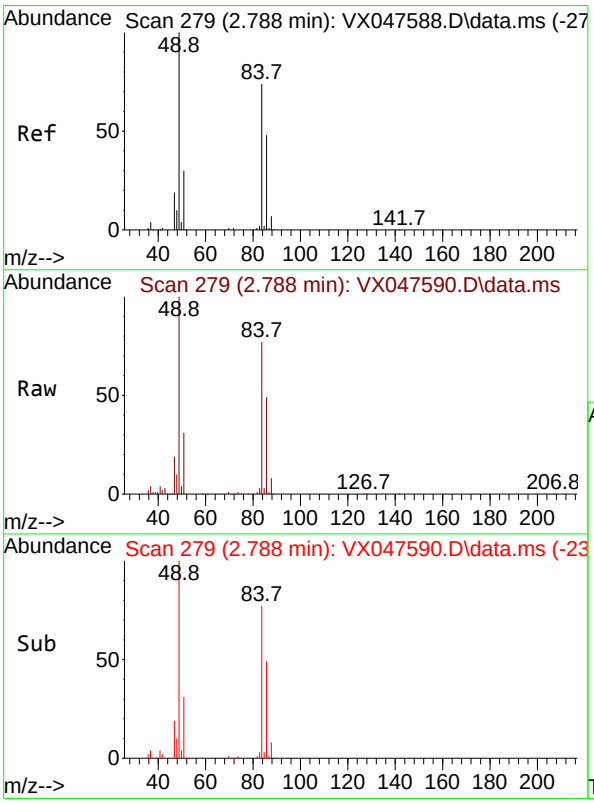
Ion	Ratio	Lower	Upper
73	100		
57	21.9	17.4	26.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

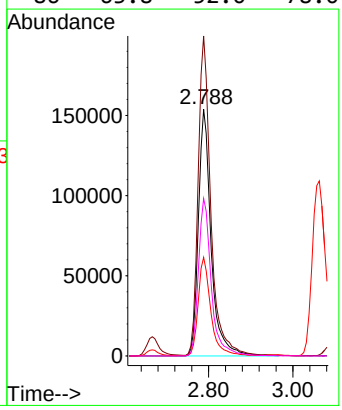
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

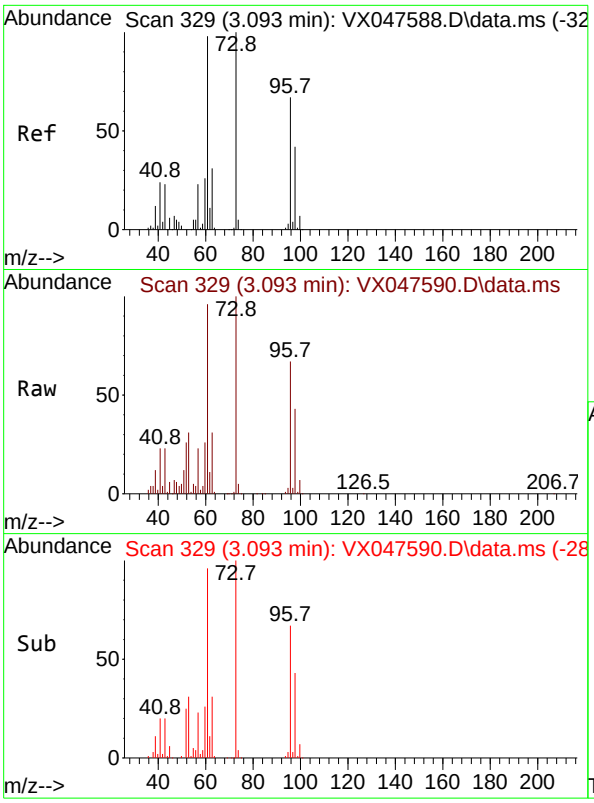


#20
Methylene Chloride
Concen: 144.398 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 84 Resp: 324032

Ion	Ratio	Lower	Upper
84	100		
49	129.4	108.6	162.8
51	39.9	32.6	48.8
86	63.8	52.0	78.0

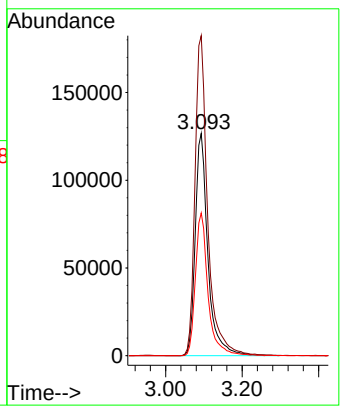




#21
trans-1,2-Dichloroethene
Concen: 148.833 ug/l
RT: 3.093 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 96 Resp: 29161

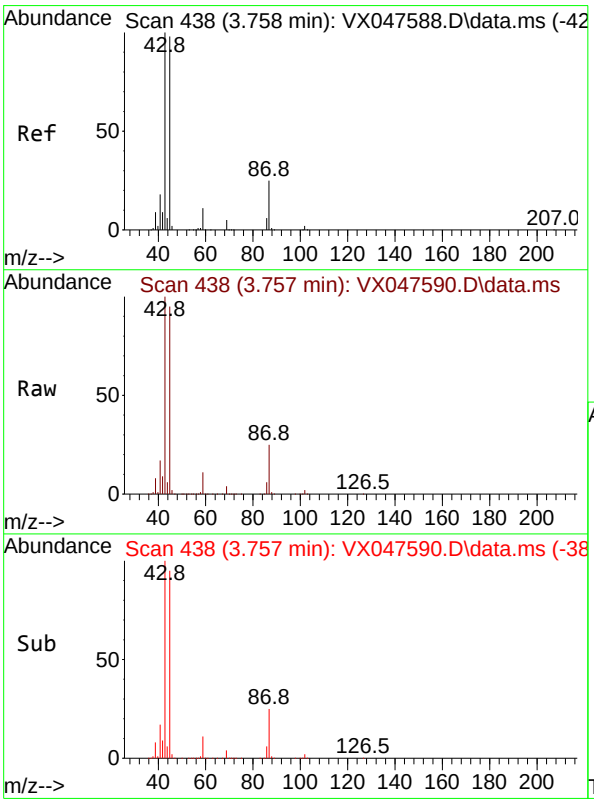
Ion	Ratio	Lower	Upper
96	100		
61	144.0	116.2	174.2
98	64.3	49.3	73.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

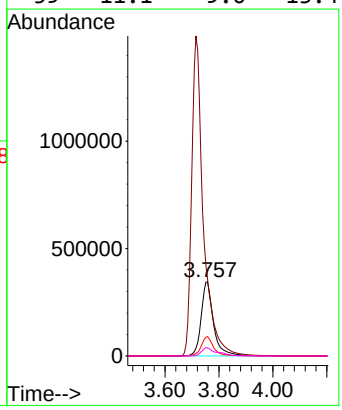
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

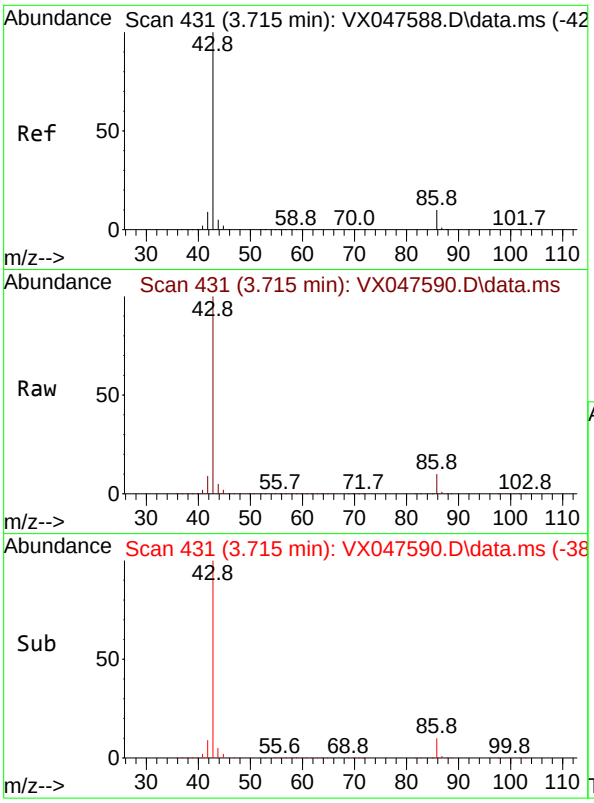


#22
Diisopropyl ether
Concen: 150.551 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 45 Resp: 1095726

Ion	Ratio	Lower	Upper
45	100		
43	104.7	81.0	121.4
87	26.2	20.3	30.5
59	11.1	9.0	13.4

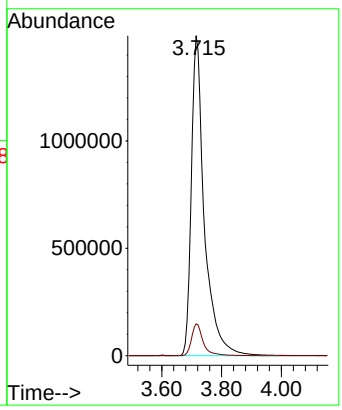




#23
Vinyl Acetate
Concen: 773.364 ug/l
RT: 3.715 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 43 Resp: 450484

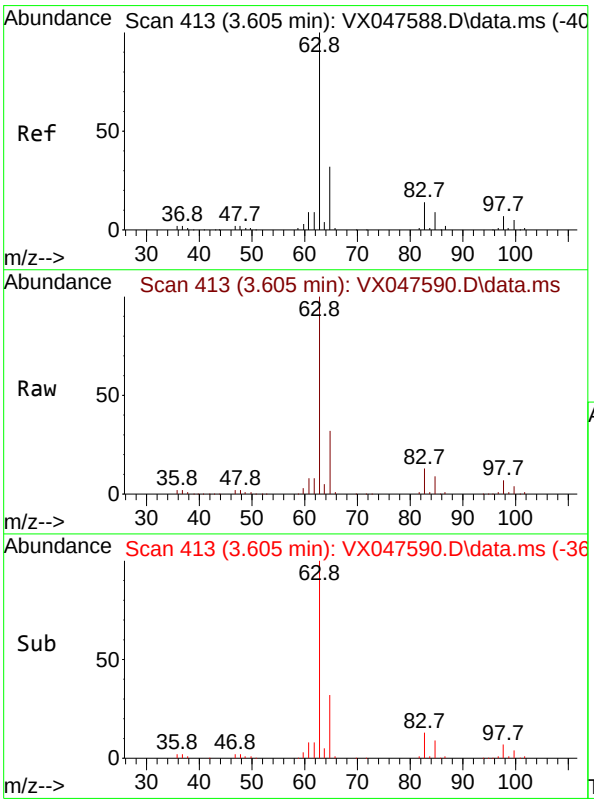
Ion	Ratio	Lower	Upper
43	100		
86	10.0	7.8	11.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

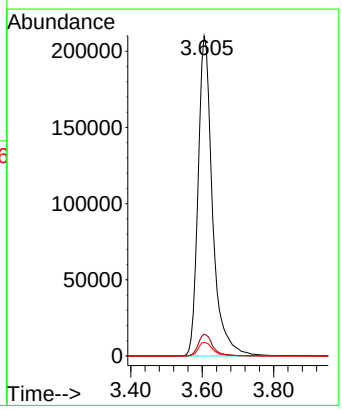
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

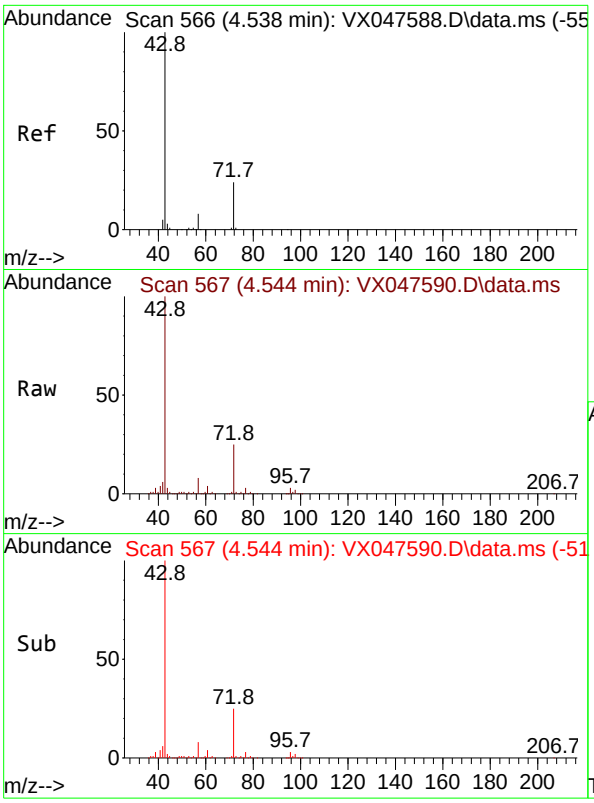


#24
1,1-Dichloroethane
Concen: 151.776 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 63 Resp: 587129

Ion	Ratio	Lower	Upper
63	100		
98	6.8	3.8	11.2
100	4.3	2.3	6.9

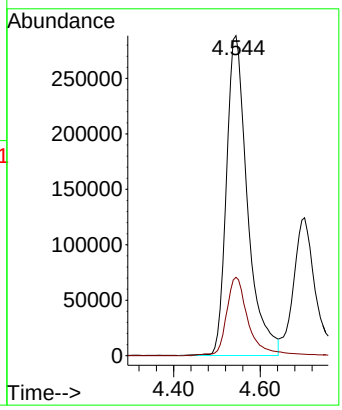




#25
2-Butanone
Concen: 736.502 ug/l
RT: 4.544 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 43 Resp: 97393

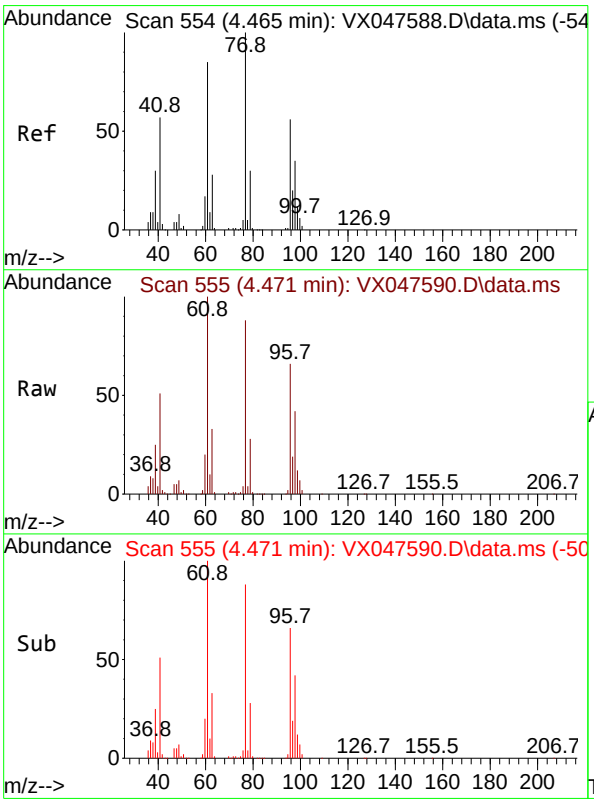
Ion	Ratio	Lower	Upper
43	100		
72	24.6	20.1	30.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

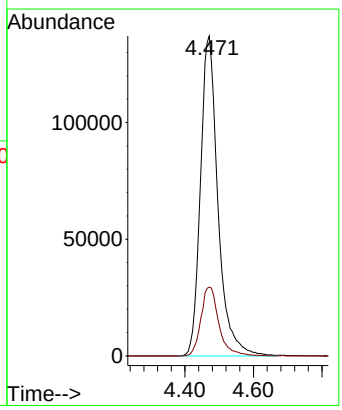
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

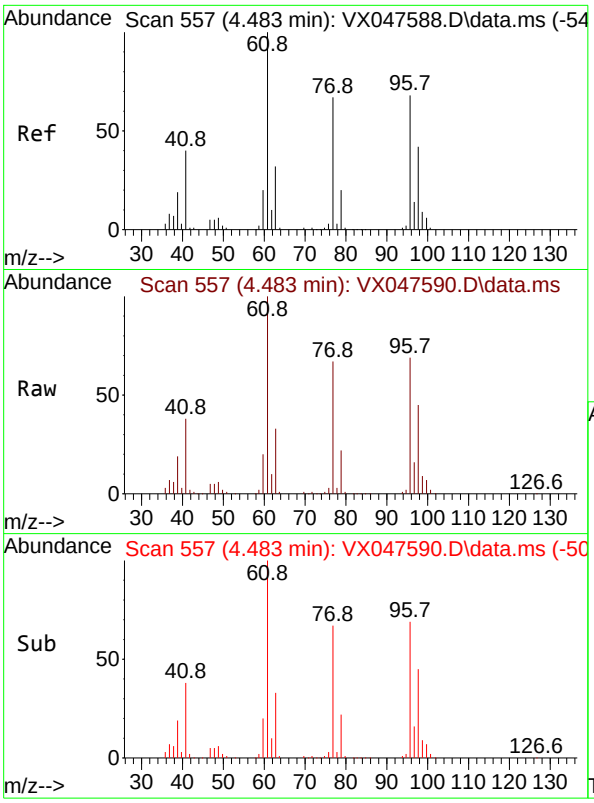


#26
2,2-Dichloropropane
Concen: 151.414 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 77 Resp: 486890

Ion	Ratio	Lower	Upper
77	100		
97	22.1	10.9	32.7

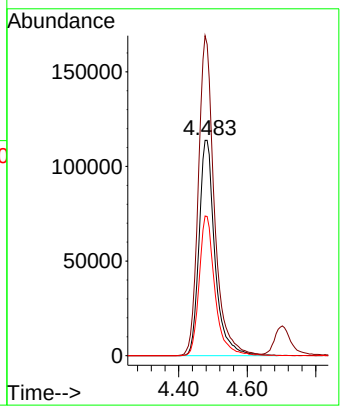




#27
cis-1,2-Dichloroethene
Concen: 152.638 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 96 Resp: 36626

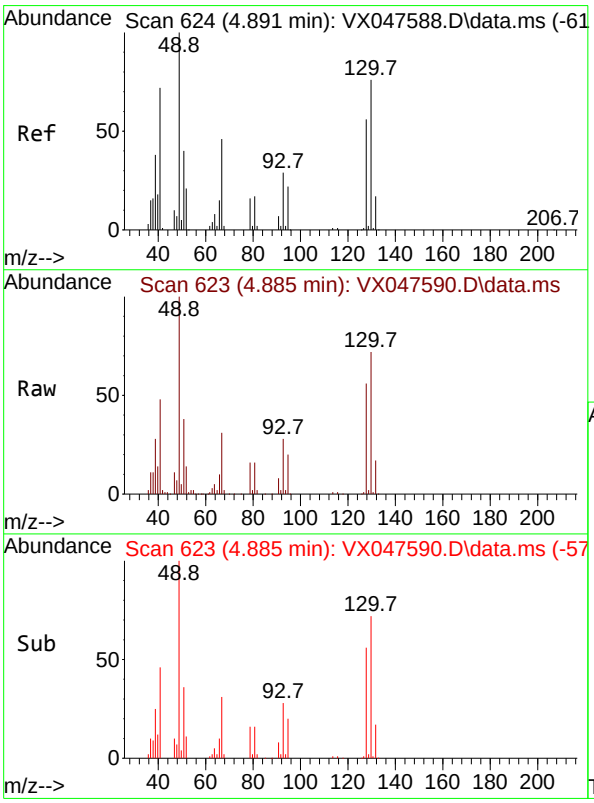
Ion	Ratio	Lower	Upper
96	100		
61	149.8	0.0	303.2
98	64.6	0.0	127.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

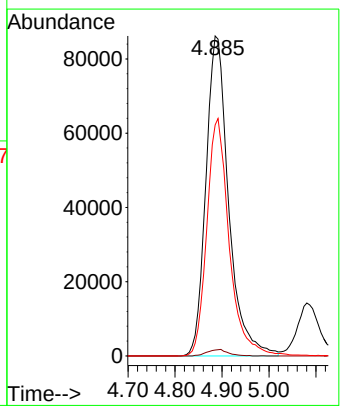
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

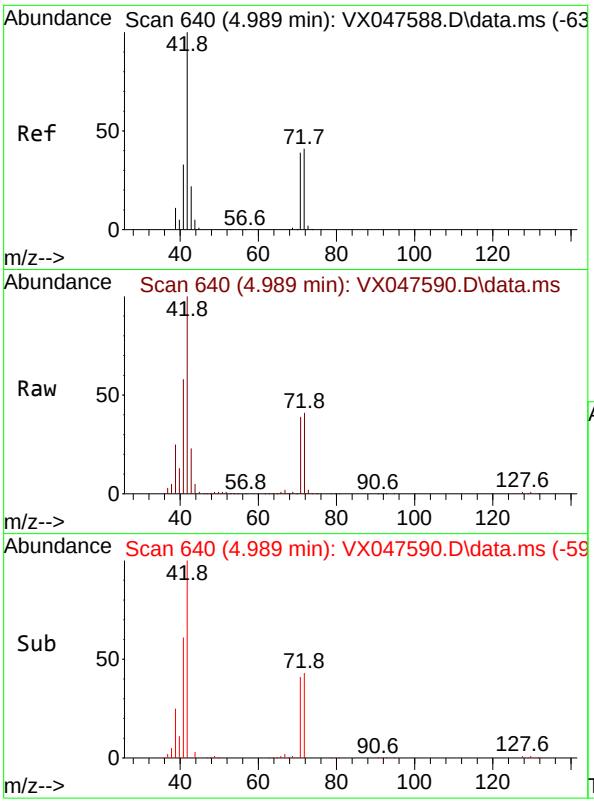


#28
Bromochloromethane
Concen: 171.451 ug/l
RT: 4.885 min Scan# 623
Delta R.T. -0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 49 Resp: 289548

Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.2
130	73.2	57.8	86.8

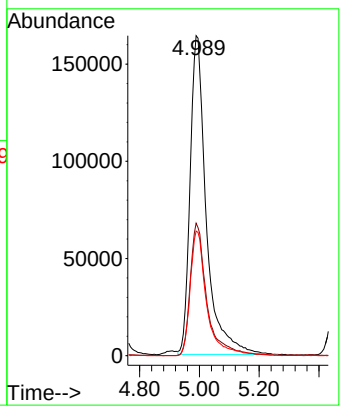




#29
Tetrahydrofuran
Concen: 774.811 ug/l
RT: 4.989 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 42 Resp: 61637

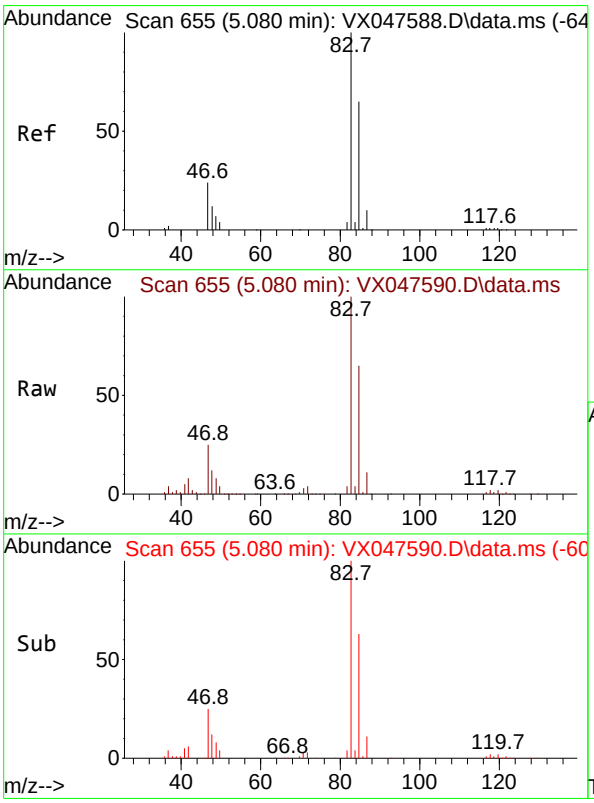
Ion	Ratio	Lower	Upper
42	100		
72	42.8	34.2	51.2
71	39.9	31.9	47.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

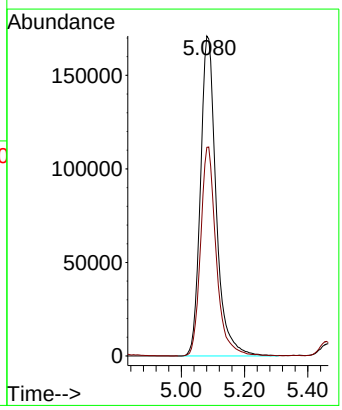
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

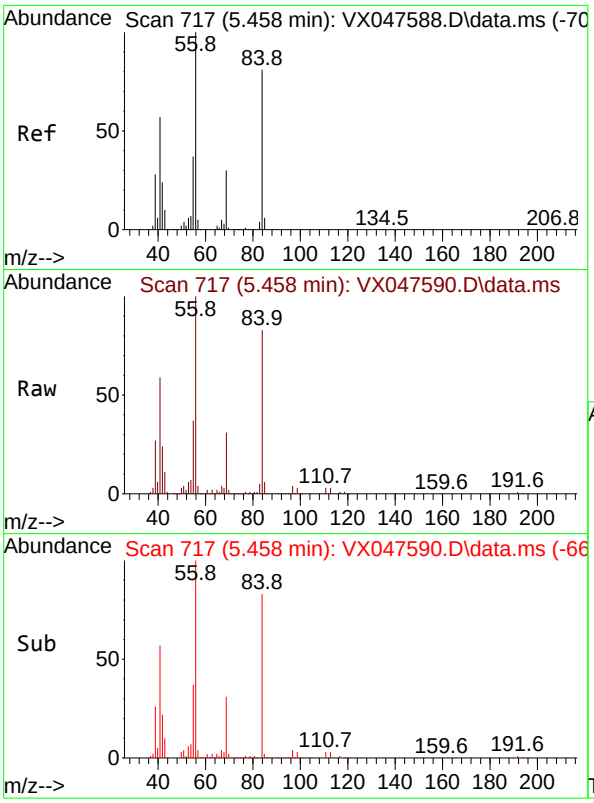


#30
Chloroform
Concen: 151.367 ug/l
RT: 5.080 min Scan# 655
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 83 Resp: 591709

Ion	Ratio	Lower	Upper
83	100		
85	65.2	51.8	77.6

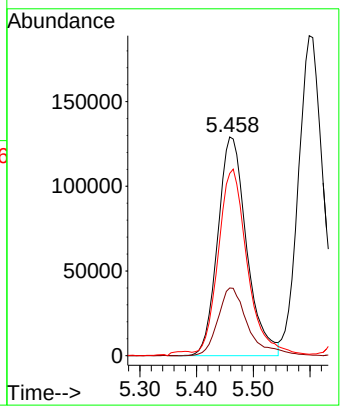




#31
Cyclohexane
Concen: 141.570 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 56 Resp: 45611

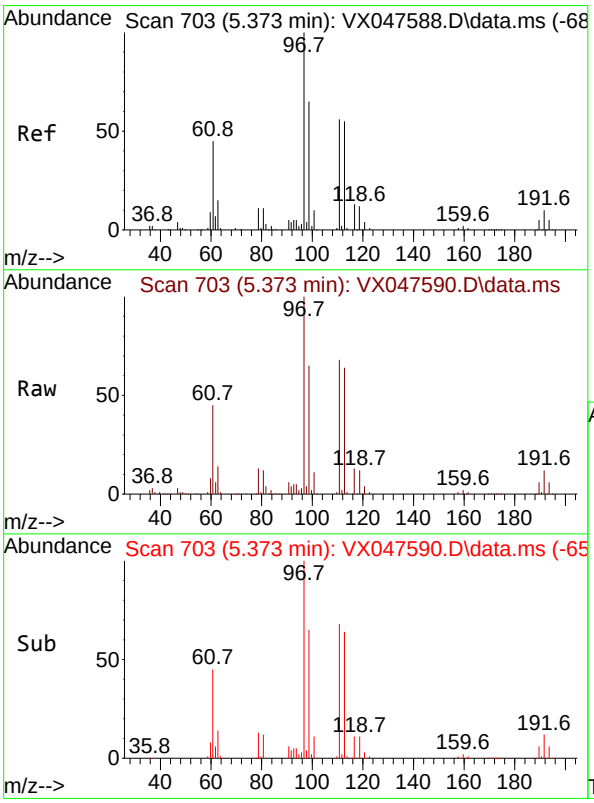
Ion	Ratio	Lower	Upper
56	100		
69	30.5	23.8	35.8
84	81.5	64.6	97.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

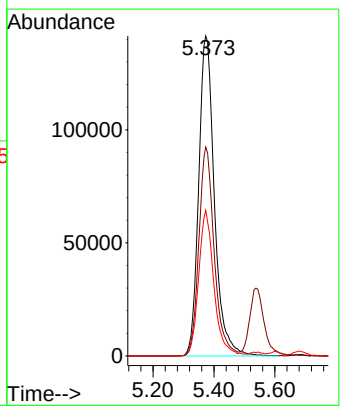
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

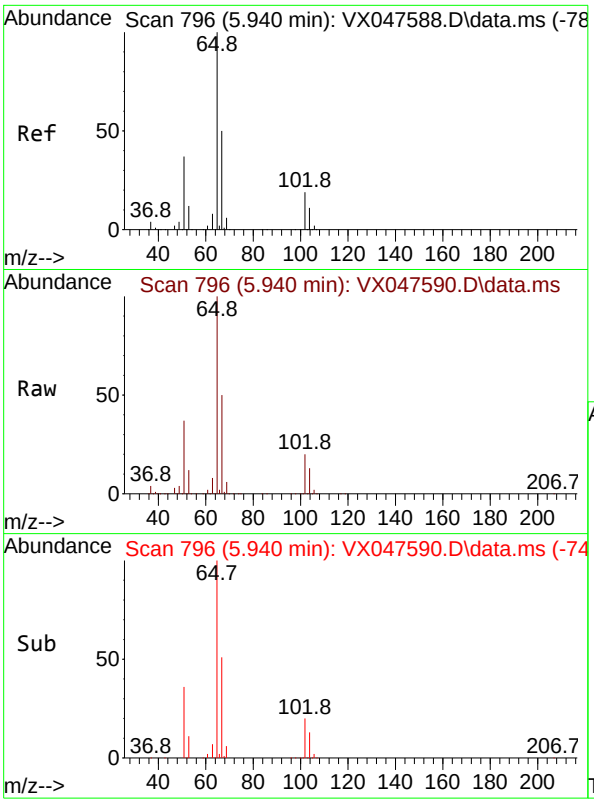


#32
1,1,1-Trichloroethane
Concen: 152.802 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 97 Resp: 506654

Ion	Ratio	Lower	Upper
97	100		
99	63.6	50.6	76.0
61	44.2	35.8	53.8

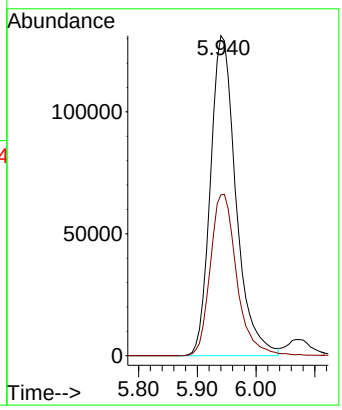




#33
1,2-Dichloroethane-d4
Concen: 162.673 ug/l
RT: 5.940 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 65 Resp: 39662

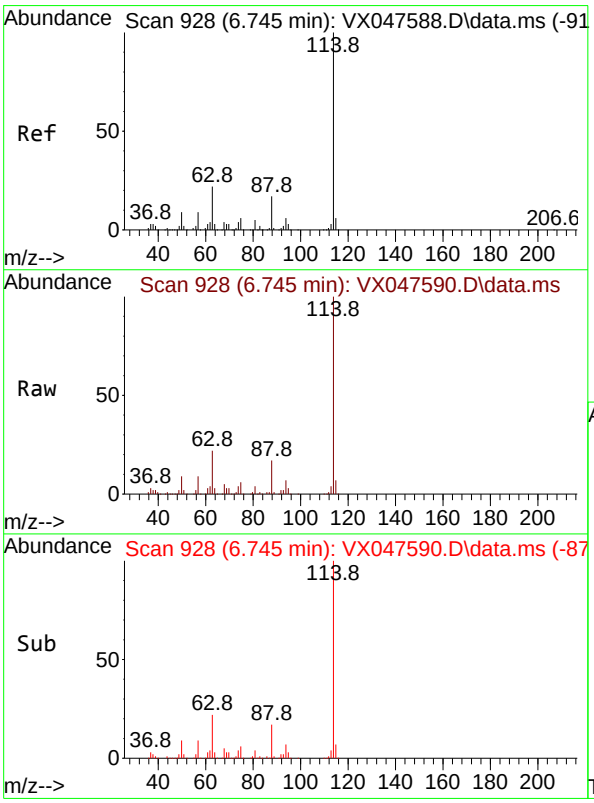
Ion	Ratio	Lower	Upper
65	100		
67	52.3	0.0	103.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

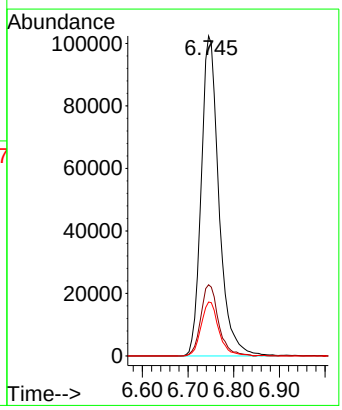
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

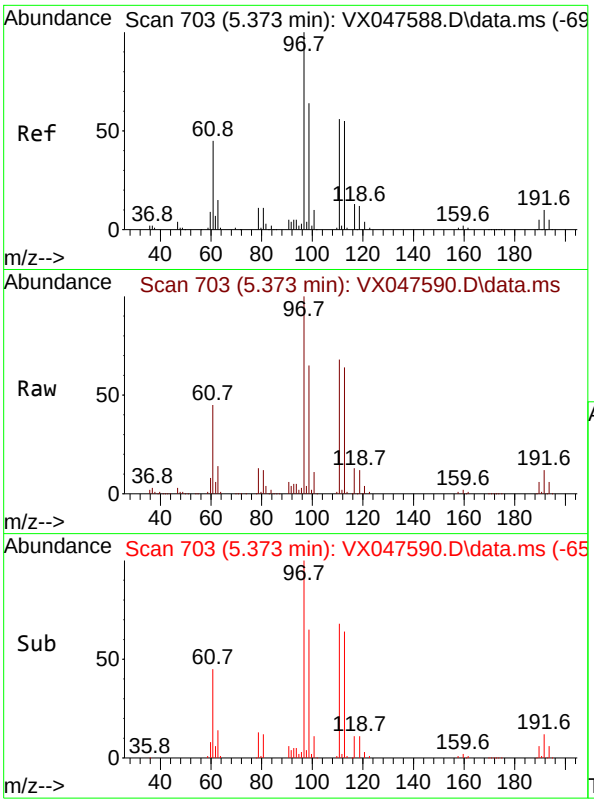


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 928
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:114 Resp: 274804

Ion	Ratio	Lower	Upper
114	100		
63	22.3	0.0	44.0
88	16.8	0.0	34.2

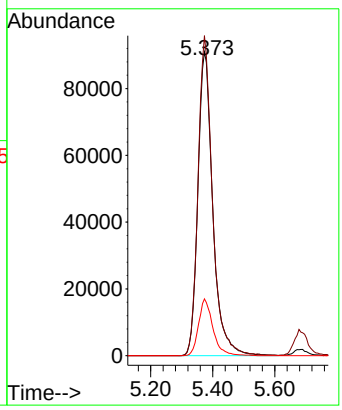




#35
Dibromofluoromethane
Concen: 164.802 ug/l
RT: 5.373 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:113 Resp: 30372

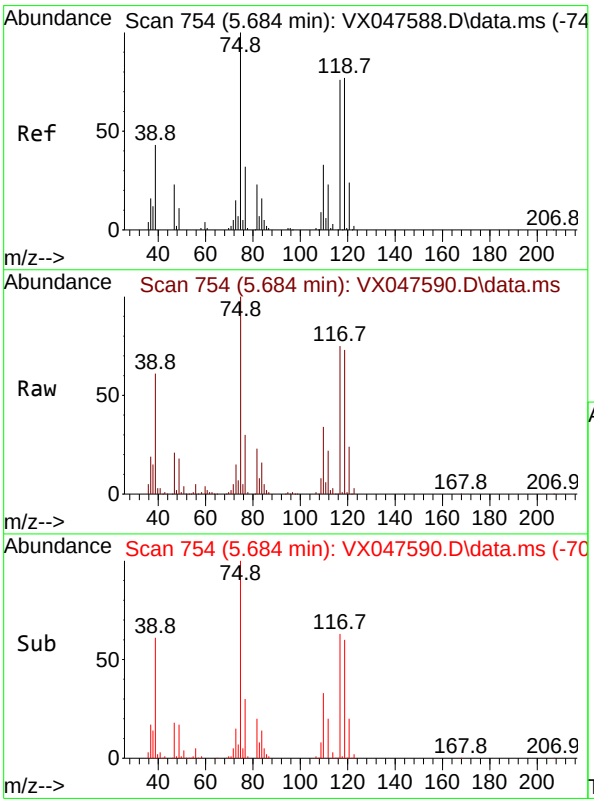
Ion	Ratio	Lower	Upper
113	100		
111	102.4	80.9	121.3
192	18.1	14.2	21.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

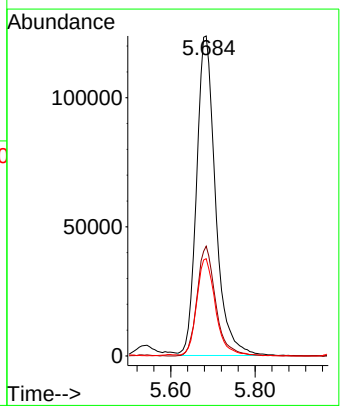
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

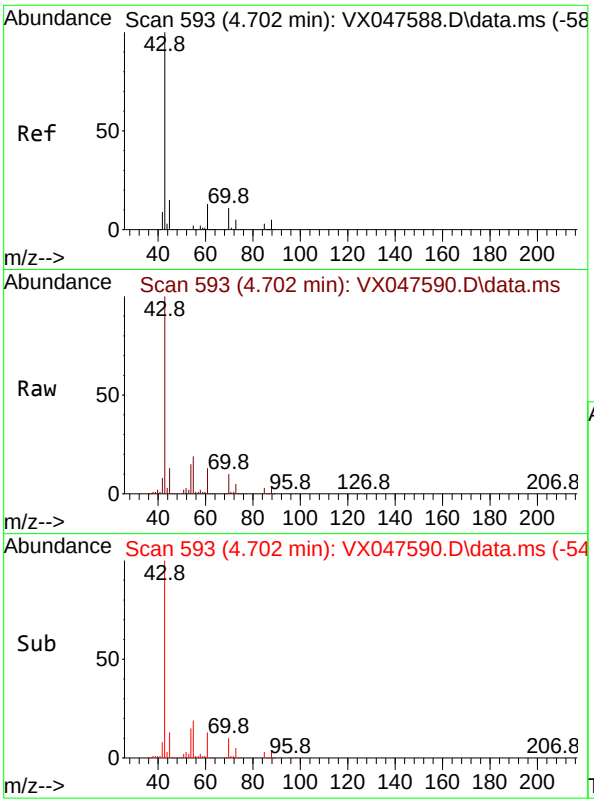


#36
1,1-Dichloropropene
Concen: 143.556 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 75 Resp: 386601

Ion	Ratio	Lower	Upper
75	100		
110	33.9	16.7	50.1
77	30.6	24.3	36.5





#37
Ethyl Acetate
Concen: 154.141 ug/l
RT: 4.702 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

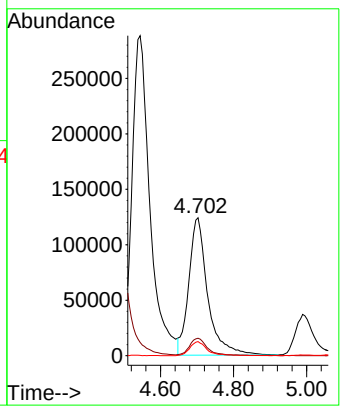
Tgt Ion: 43 Resp: 44446

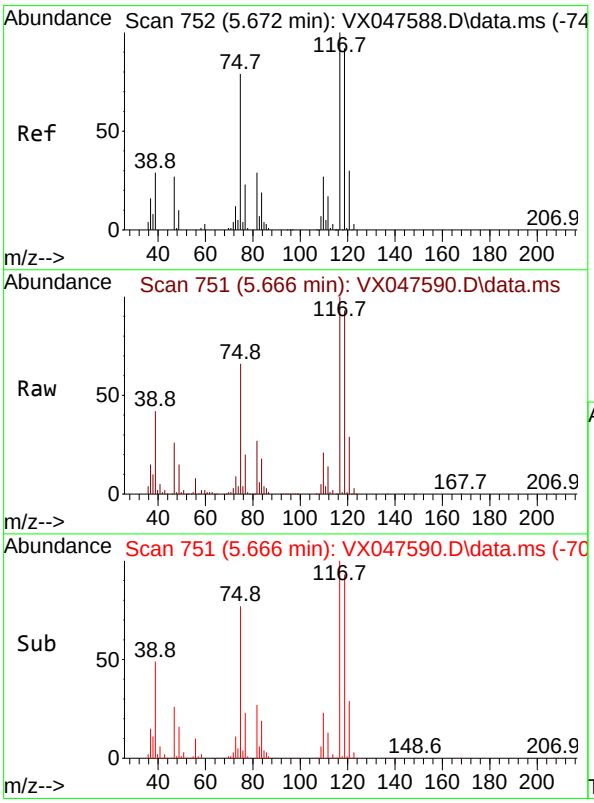
Ion	Ratio	Lower	Upper
43	100		
61	12.1	9.8	14.8
70	9.5	7.9	11.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

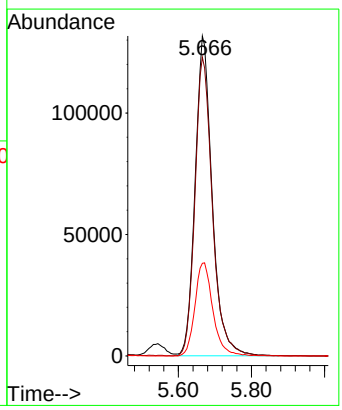


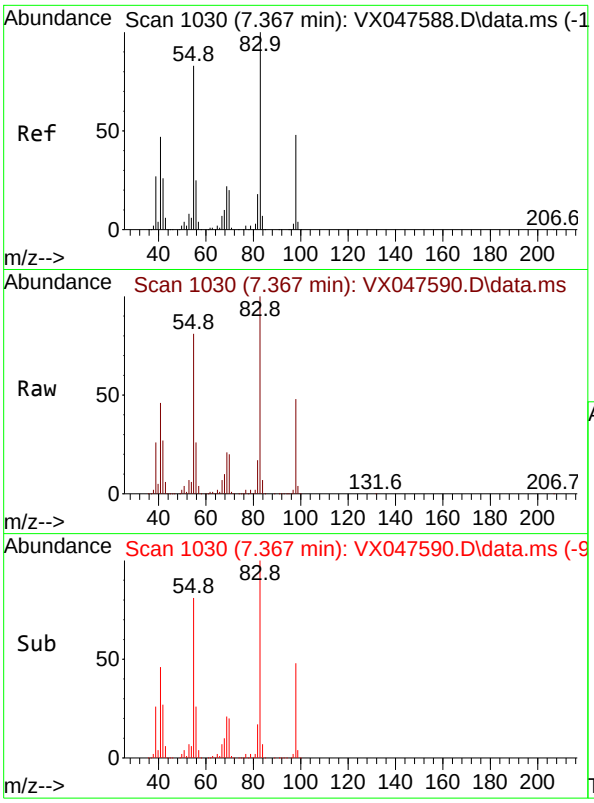


#38
Carbon Tetrachloride
Concen: 146.021 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:117 Resp: 427263

Ion	Ratio	Lower	Upper
117	100		
119	93.3	73.4	110.2
121	29.0	23.8	35.6





#39
Methylcyclohexane
Concen: 149.395 ug/l
RT: 7.367 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

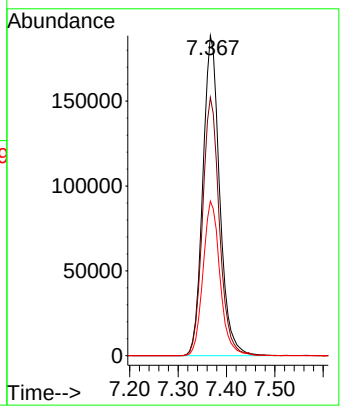
Tgt Ion: 83 Resp: 45669

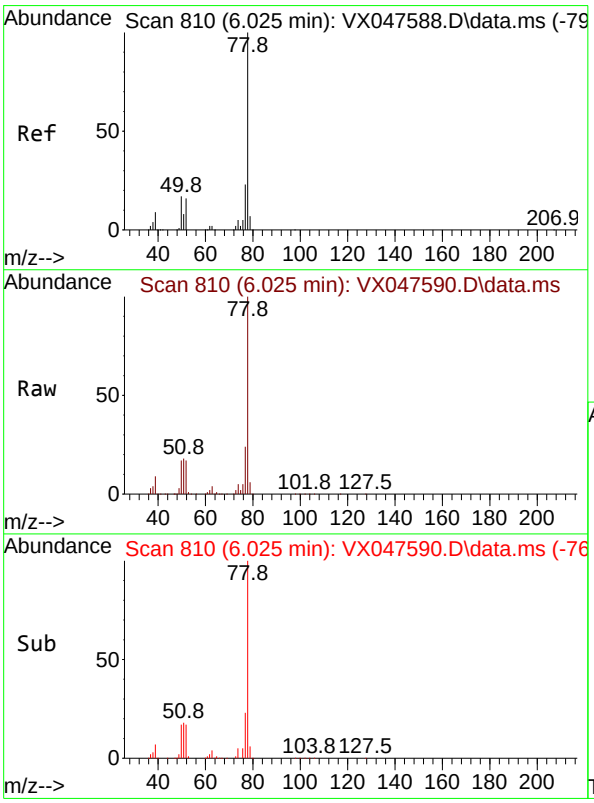
Ion	Ratio	Lower	Upper
83	100		
55	80.7	66.4	99.6
98	48.3	38.1	57.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

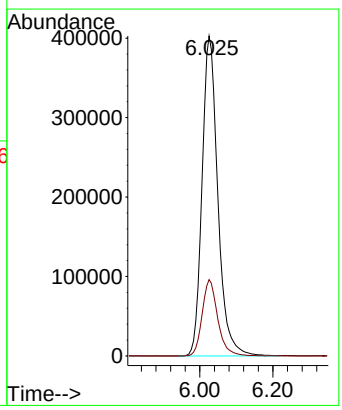


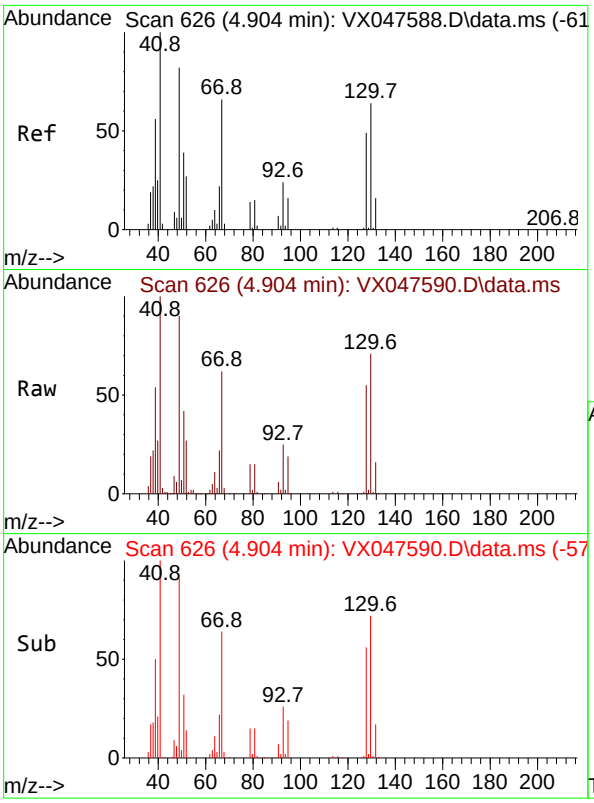


#40
Benzene
Concen: 147.057 ug/l
RT: 6.025 min Scan# 810
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 78 Resp: 1202846

Ion	Ratio	Lower	Upper
78	100		
77	23.9	18.8	28.2

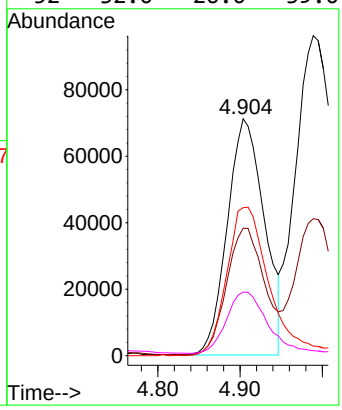




#41
Methacrylonitrile
Concen: 149.951 ug/l
RT: 4.904 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 41 Resp: 22321

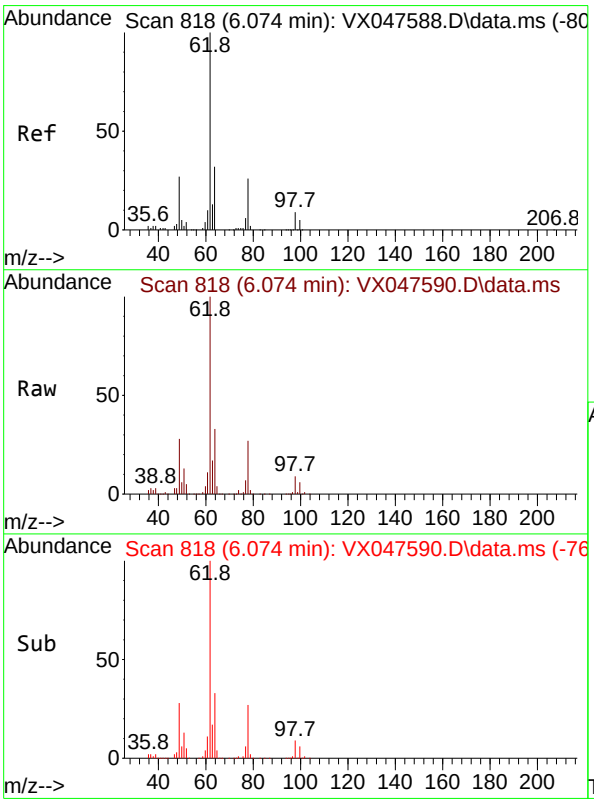
Ion	Ratio	Lower	Upper
41	100		
39	54.5	43.3	64.9
67	74.6	58.6	87.8
52	32.0	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

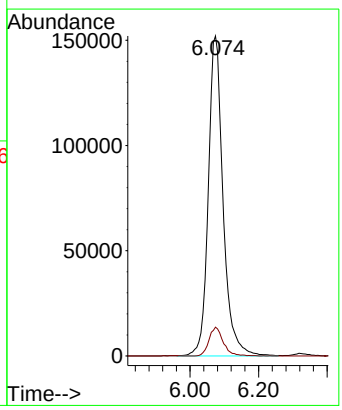
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

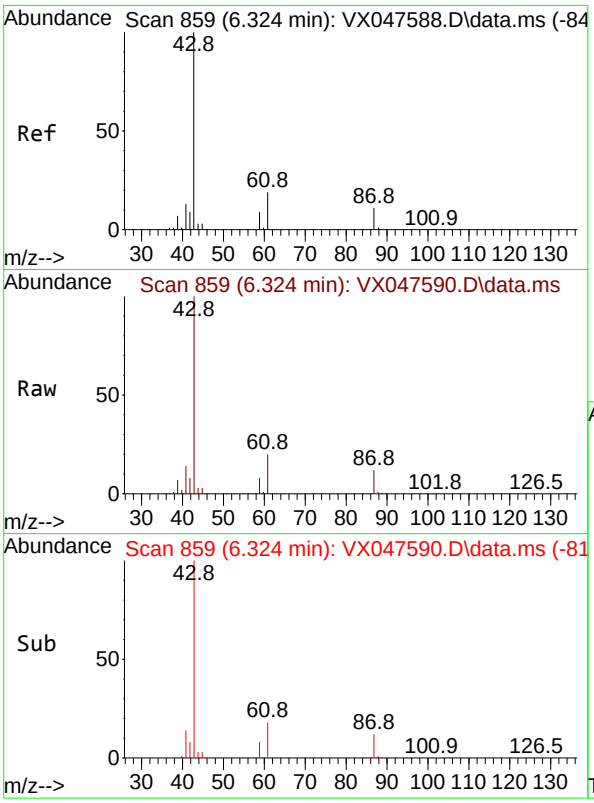


#42
1,2-Dichloroethane
Concen: 146.515 ug/l
RT: 6.074 min Scan# 818
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 62 Resp: 455978

Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	17.0

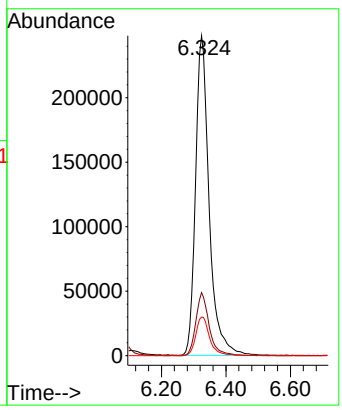




#43
Isopropyl Acetate
Concen: 153.283 ug/l
RT: 6.324 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 43 Resp: 72488

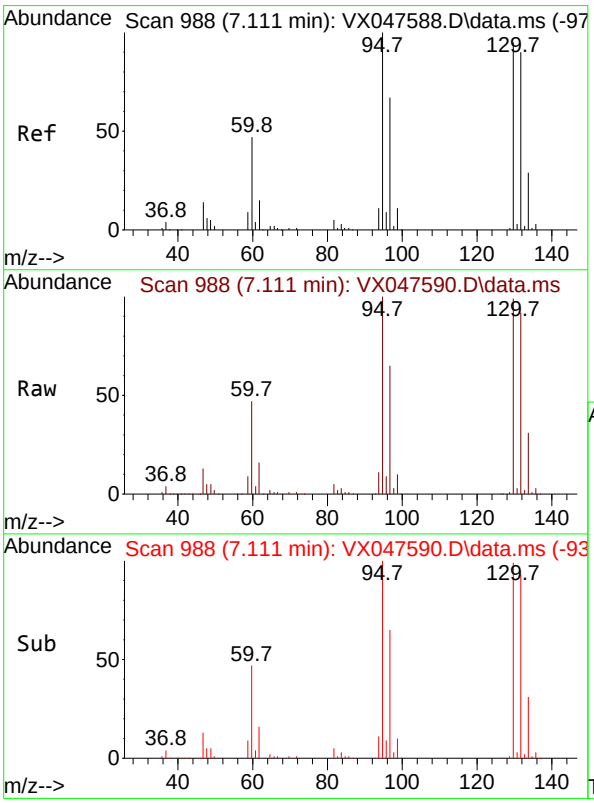
Ion	Ratio	Lower	Upper
43	100		
61	19.4	15.2	22.8
87	12.3	9.6	14.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

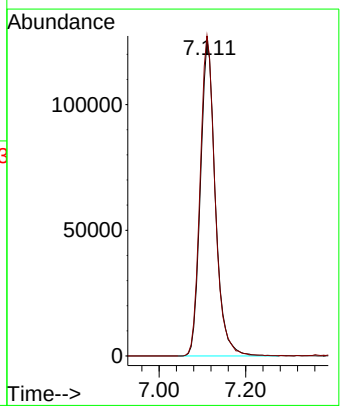
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

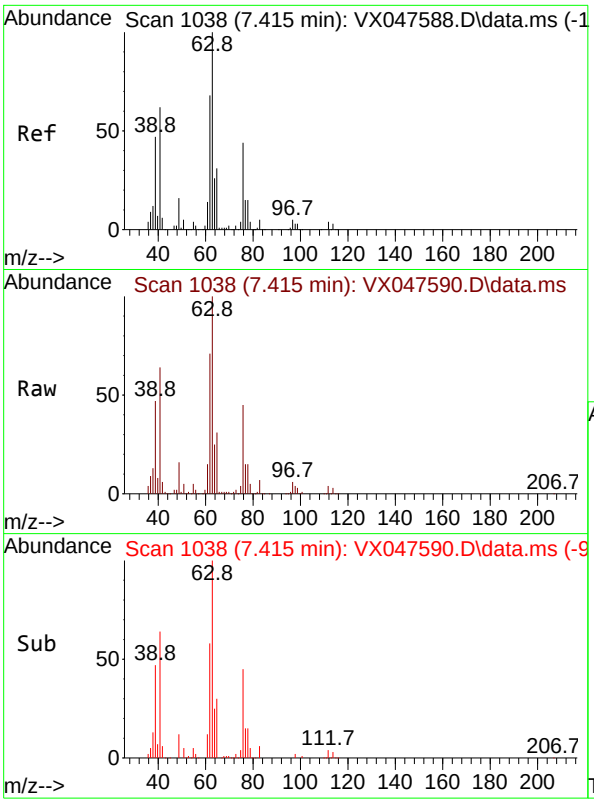


#44
Trichloroethene
Concen: 151.542 ug/l
RT: 7.111 min Scan# 988
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:130 Resp: 299673

Ion	Ratio	Lower	Upper
130	100		
95	101.1	0.0	210.8

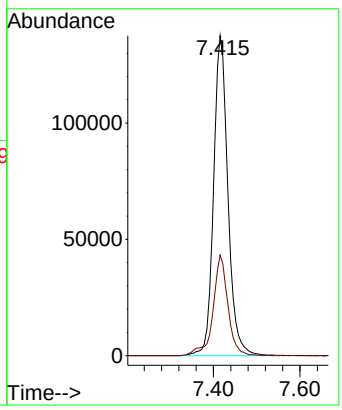




#45
1,2-Dichloropropane
Concen: 151.219 ug/l
RT: 7.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 63 Resp: 31672

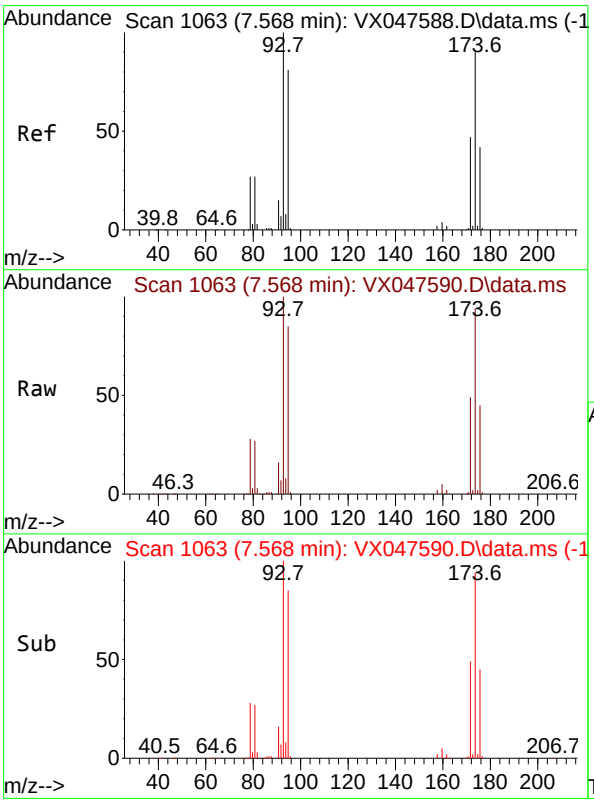
Ion	Ratio	Lower	Upper
63	100		
65	31.5	24.7	37.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

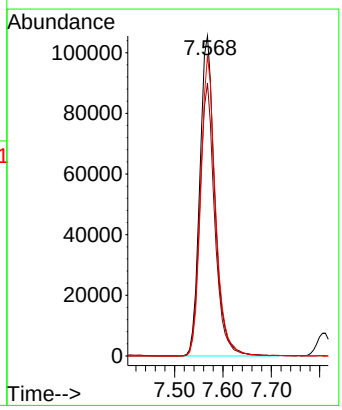
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

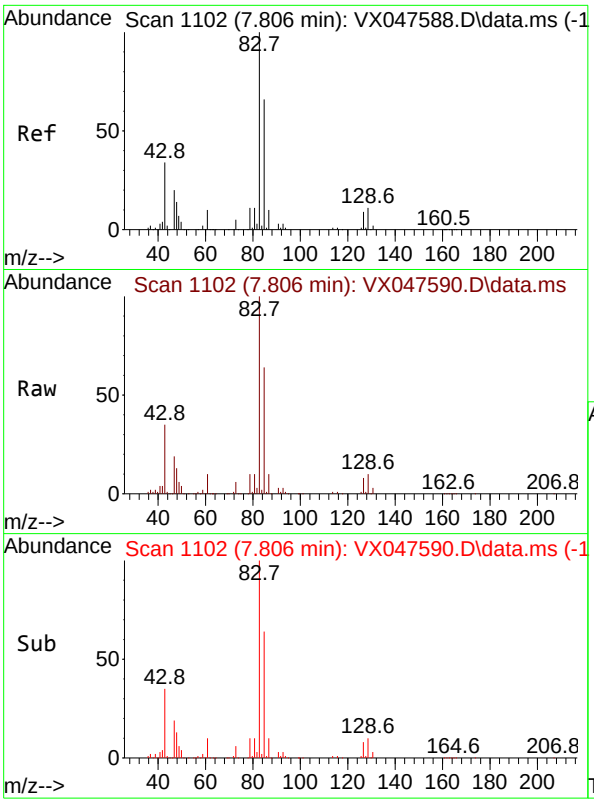


#46
Dibromomethane
Concen: 149.954 ug/l
RT: 7.568 min Scan# 1063
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 93 Resp: 228550

Ion	Ratio	Lower	Upper
93	100		
95	84.2	65.0	97.6
174	92.5	71.6	107.4

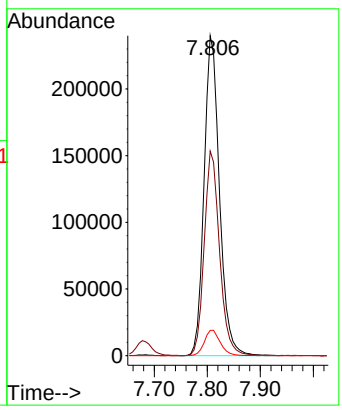




#47
Bromodichloromethane
Concen: 153.710 ug/l
RT: 7.806 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 83 Resp: 48343

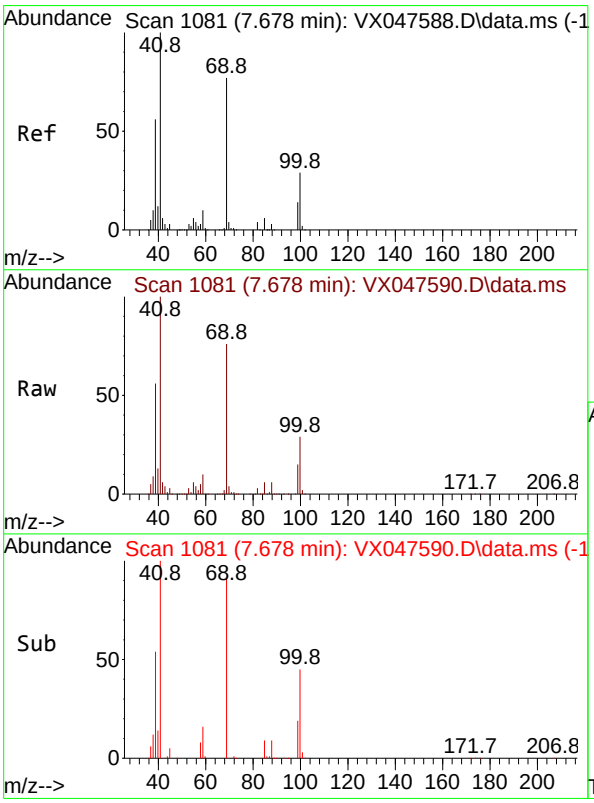
Ion	Ratio	Lower	Upper
83	100		
85	63.9	52.5	78.7
127	7.9	6.9	10.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

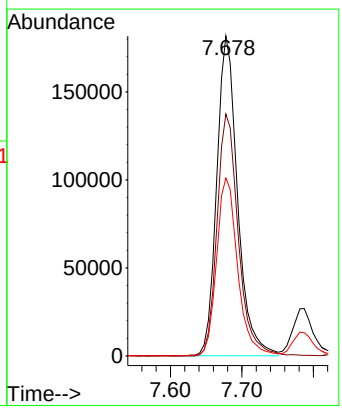
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

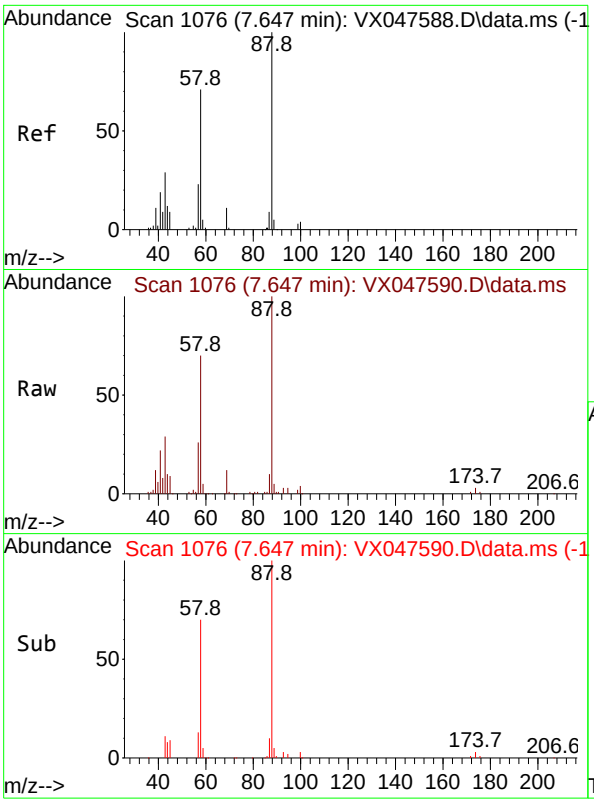


#48
Methyl methacrylate
Concen: 156.194 ug/l
RT: 7.678 min Scan# 1081
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 41 Resp: 367931

Ion	Ratio	Lower	Upper
41	100		
69	77.2	61.4	92.2
39	56.5	45.8	68.6

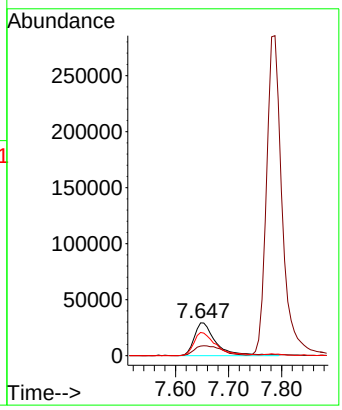




#49
1,4-Dioxane
Concen: 3475.565 ug/l
RT: 7.647 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 88 Resp: 8273

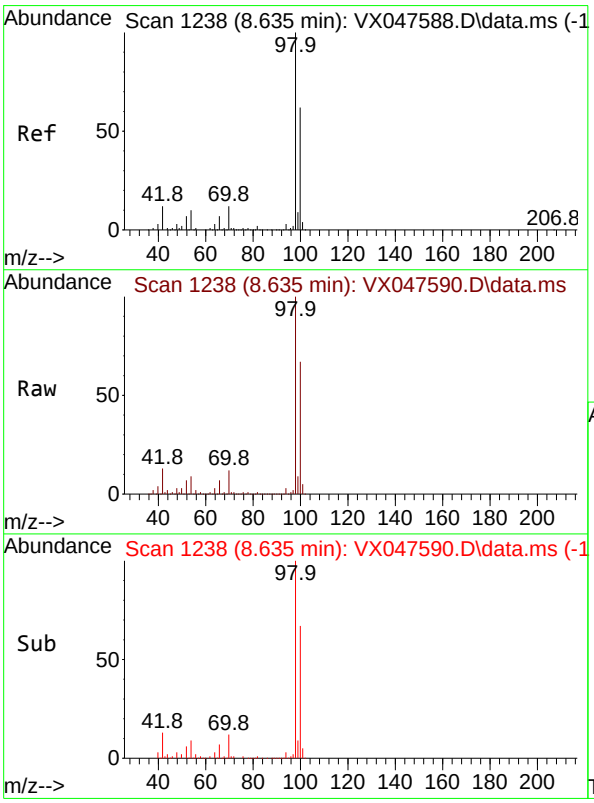
Ion	Ratio	Lower	Upper
88	100		
43	38.5	30.2	45.2
58	73.0	59.5	89.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

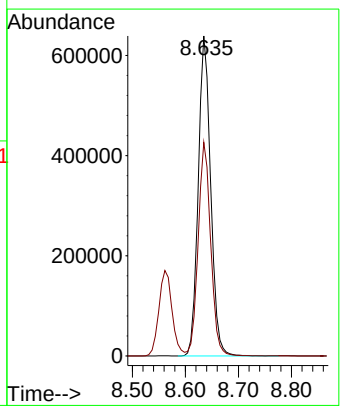
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

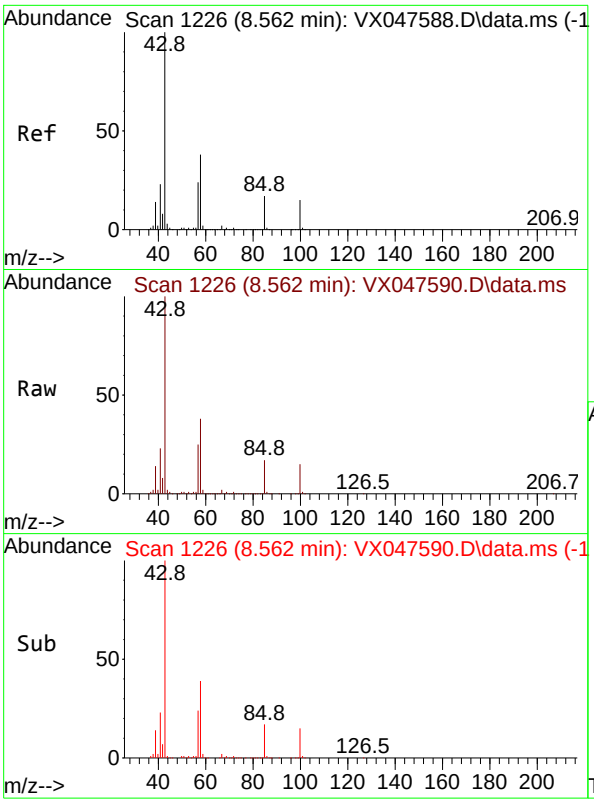


#50
Toluene-d8
Concen: 163.253 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 98 Resp: 1041079

Ion	Ratio	Lower	Upper
98	100		
100	67.3	53.0	79.4

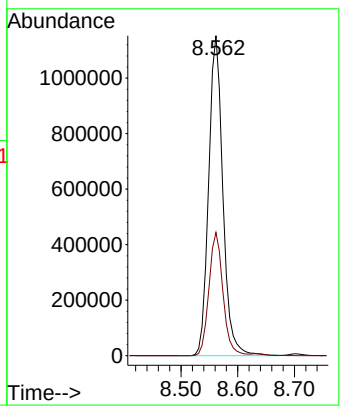




#51
4-Methyl-2-Pentanone
Concen: 765.849 ug/l
RT: 8.562 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 43 Resp: 200806

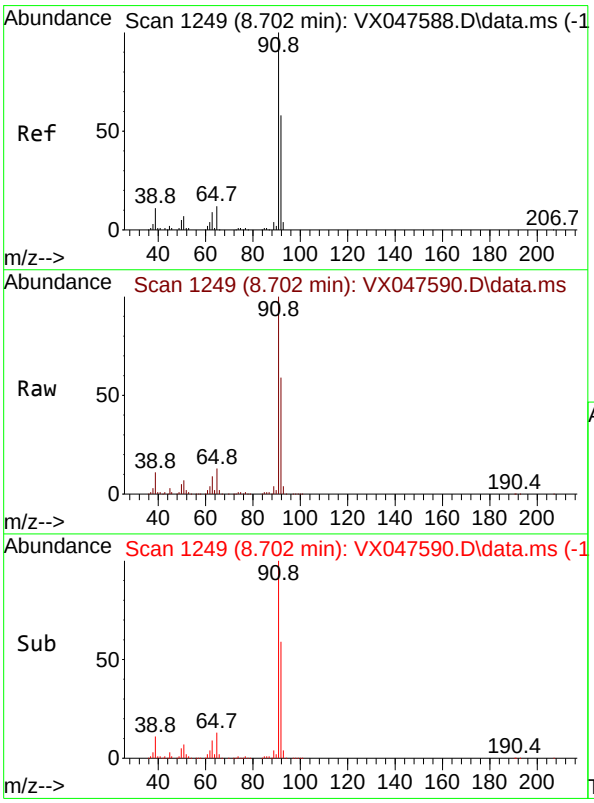
Ion	Ratio	Lower	Upper
43	100		
58	38.0	30.3	45.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

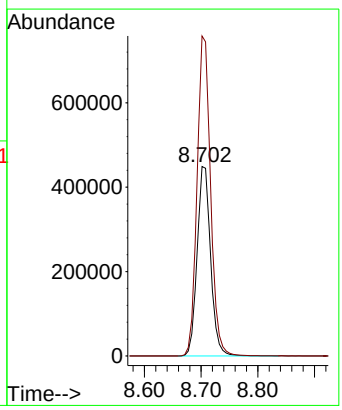
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

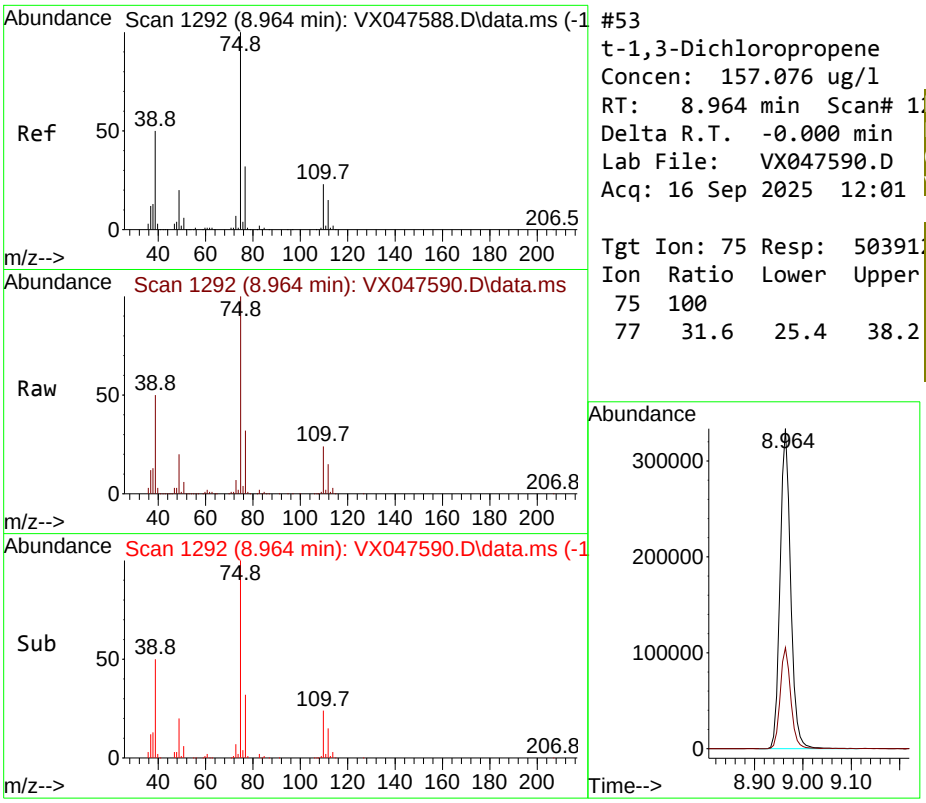


#52
Toluene
Concen: 146.712 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 92 Resp: 739332

Ion	Ratio	Lower	Upper
92	100		
91	169.5	137.1	205.7





#53
t-1,3-Dichloropropene
Concen: 157.076 ug/l
RT: 8.964 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

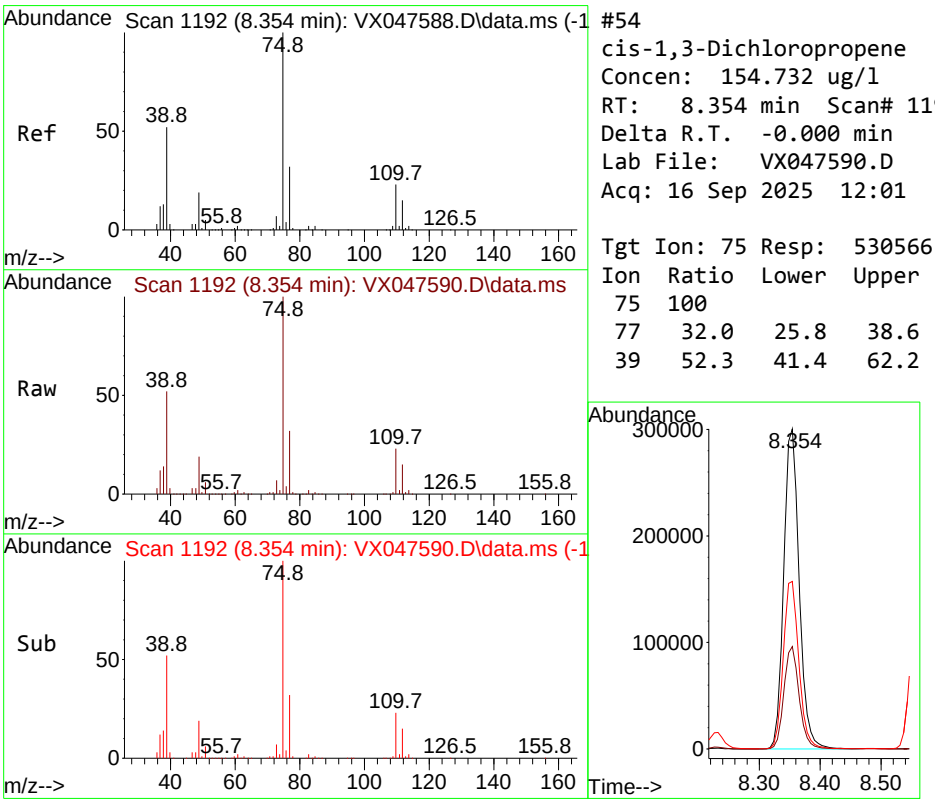
Tgt Ion: 75 Resp: 50391

Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.4	38.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

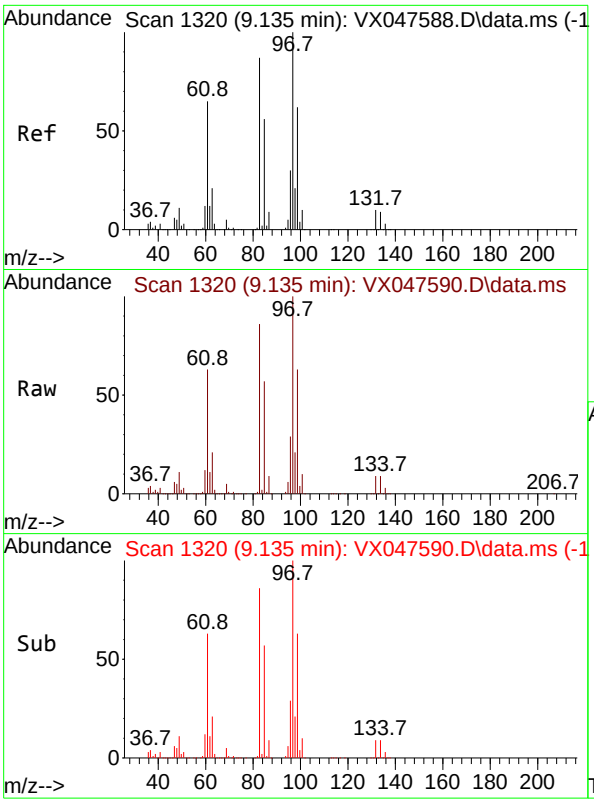
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025



#54
cis-1,3-Dichloropropene
Concen: 154.732 ug/l
RT: 8.354 min Scan# 1192
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 75 Resp: 530566

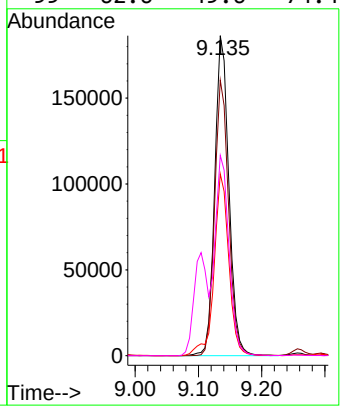
Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.8	38.6
39	52.3	41.4	62.2



#55
1,1,2-Trichloroethane
Concen: 148.781 ug/l
RT: 9.135 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 97 Resp: 28910

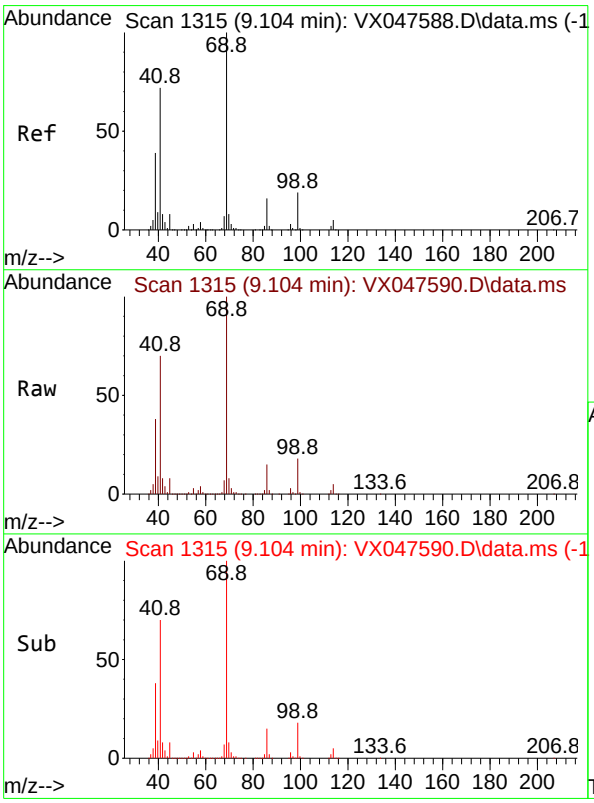
Ion	Ratio	Lower	Upper
97	100		
83	86.1	69.6	104.4
85	56.8	45.0	67.6
99	62.6	49.6	74.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

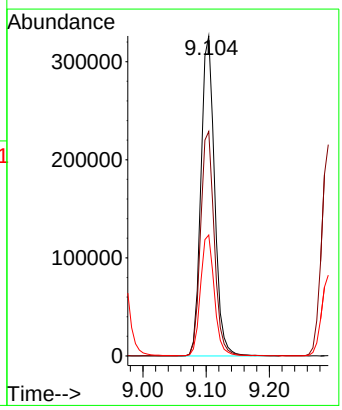
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

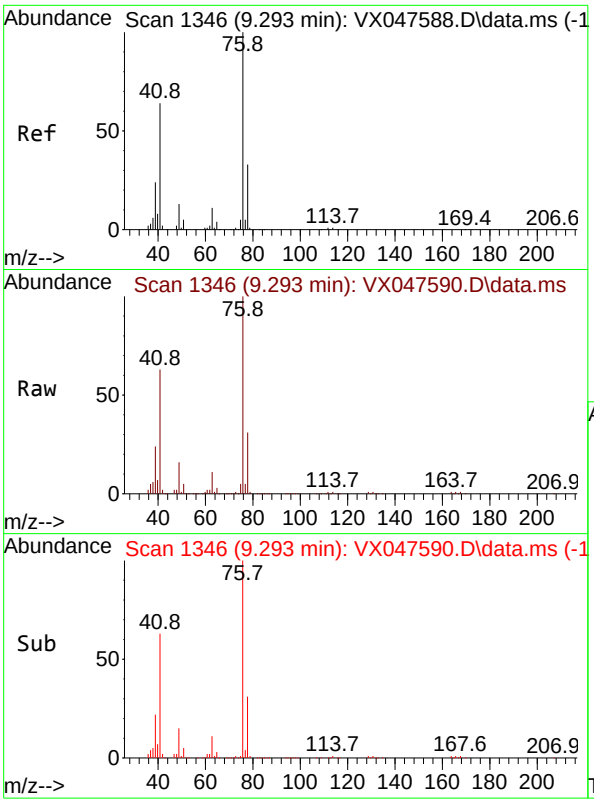


#56
Ethyl methacrylate
Concen: 160.773 ug/l
RT: 9.104 min Scan# 1315
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 69 Resp: 490623

Ion	Ratio	Lower	Upper
69	100		
41	70.5	58.6	87.8
39	38.2	31.5	47.3

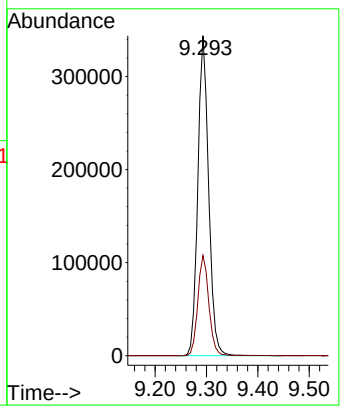




#57
1,3-Dichloropropane
Concen: 150.426 ug/l
RT: 9.293 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 76 Resp: 50212

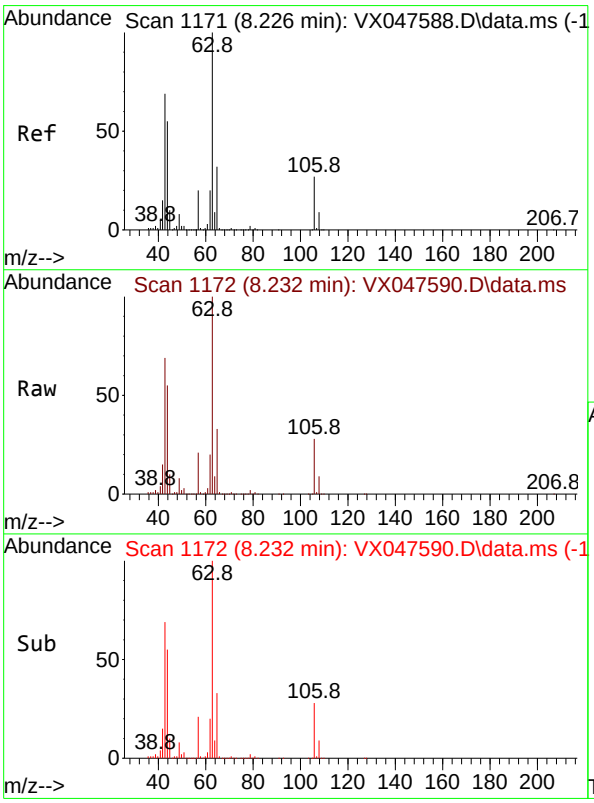
Ion	Ratio	Lower	Upper
76	100		
78	31.9	26.2	39.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

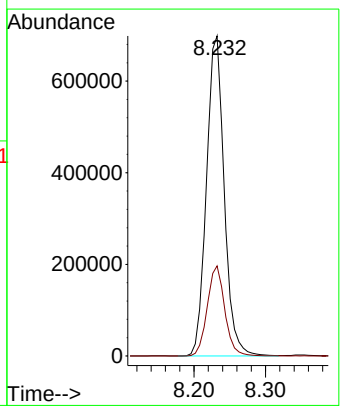
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

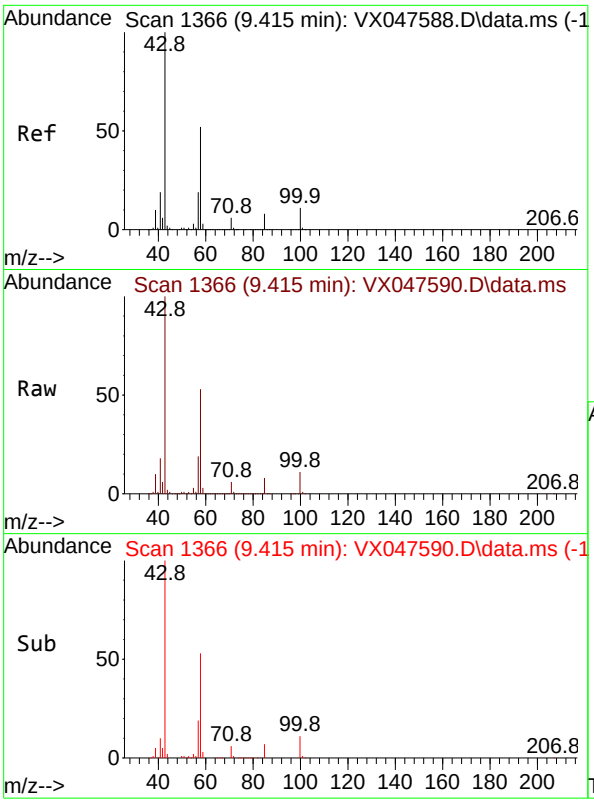


#58
2-Chloroethyl Vinyl ether
Concen: 749.661 ug/l
RT: 8.232 min Scan# 1172
Delta R.T. 0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 63 Resp: 1202206

Ion	Ratio	Lower	Upper
63	100		
106	27.7	21.9	32.9

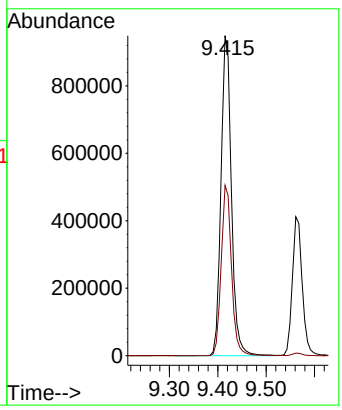




#59
2-Hexanone
Concen: 750.035 ug/l
RT: 9.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 43 Resp: 141241

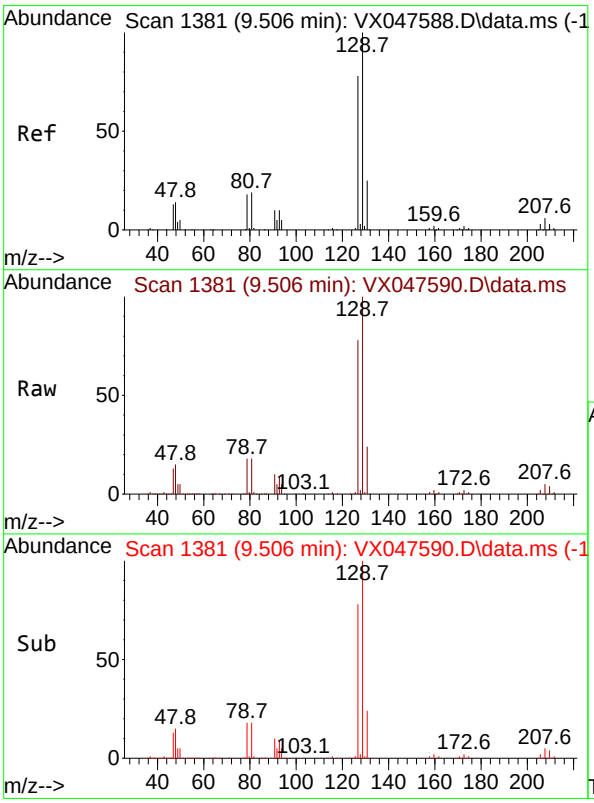
Ion	Ratio	Lower	Upper
43	100		
58	52.9	26.1	78.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

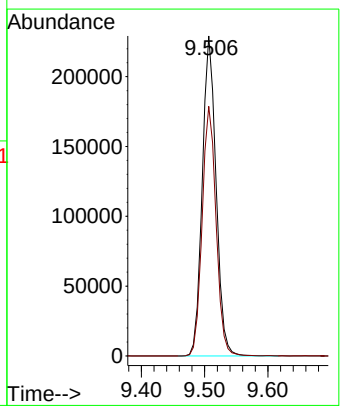
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

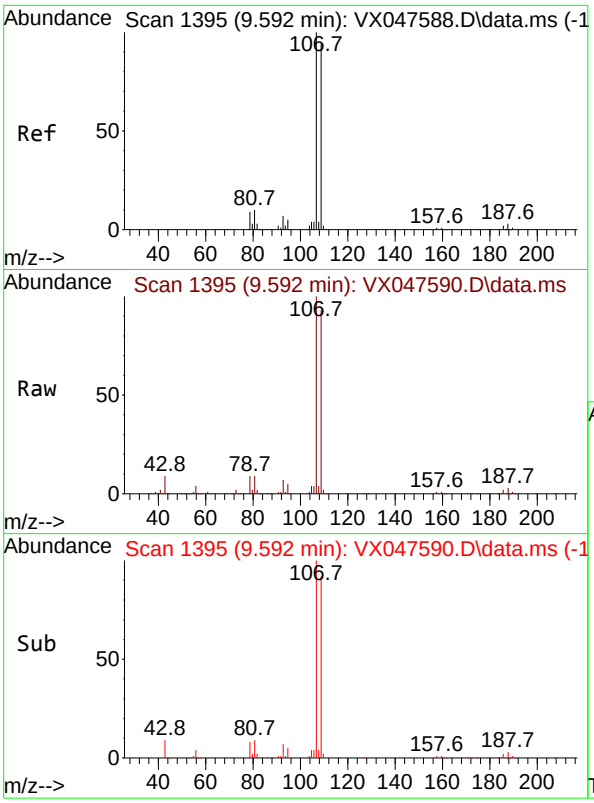


#60
Dibromochloromethane
Concen: 155.318 ug/l
RT: 9.506 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:129 Resp: 347748

Ion	Ratio	Lower	Upper
129	100		
127	78.7	38.4	115.2

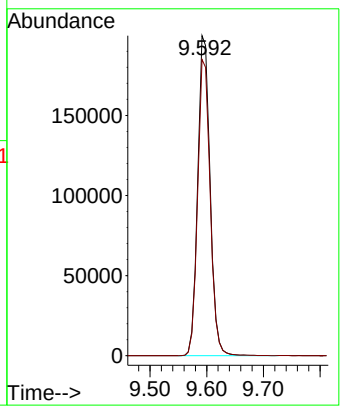




#61
1,2-Dibromoethane
Concen: 152.949 ug/l
RT: 9.592 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:107 Resp: 30271

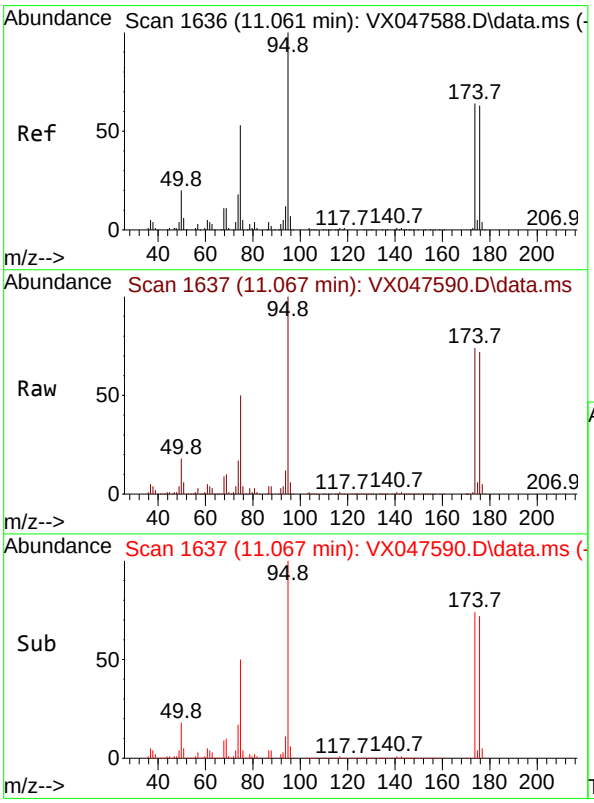
Ion	Ratio	Lower	Upper
107	100		
109	93.5	75.3	112.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

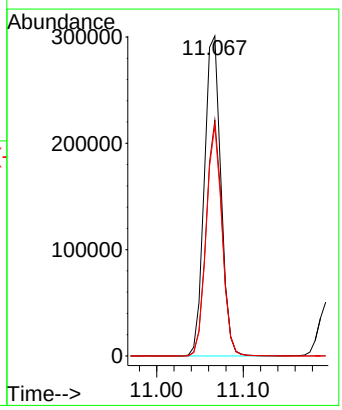
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

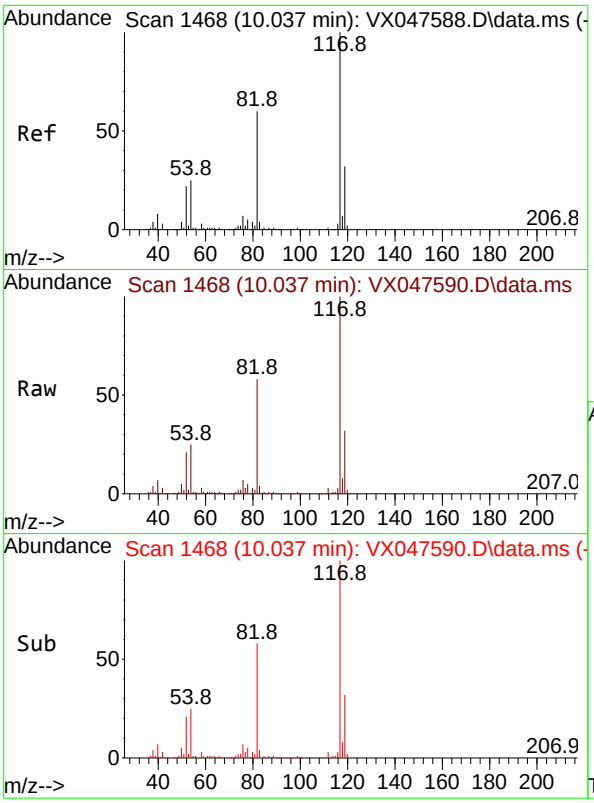


#62
4-Bromofluorobenzene
Concen: 165.020 ug/l
RT: 11.067 min Scan# 1637
Delta R.T. 0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 95 Resp: 399386

Ion	Ratio	Lower	Upper
95	100		
174	70.7	0.0	141.6
176	68.5	0.0	138.4

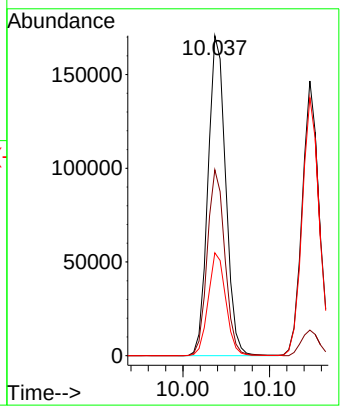




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:117 Resp: 241818

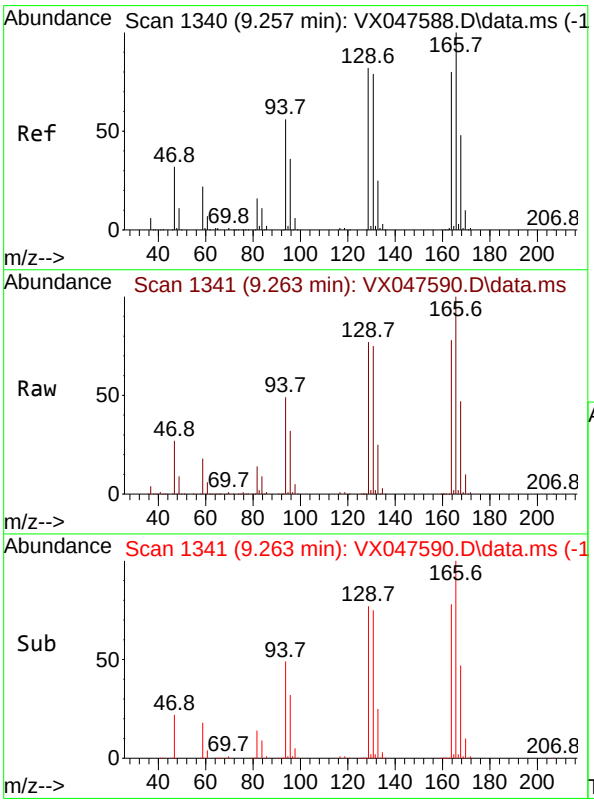
Ion	Ratio	Lower	Upper
117	100		
82	58.1	47.8	71.6
119	32.2	25.2	37.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

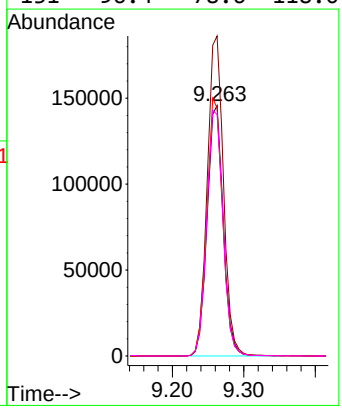
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

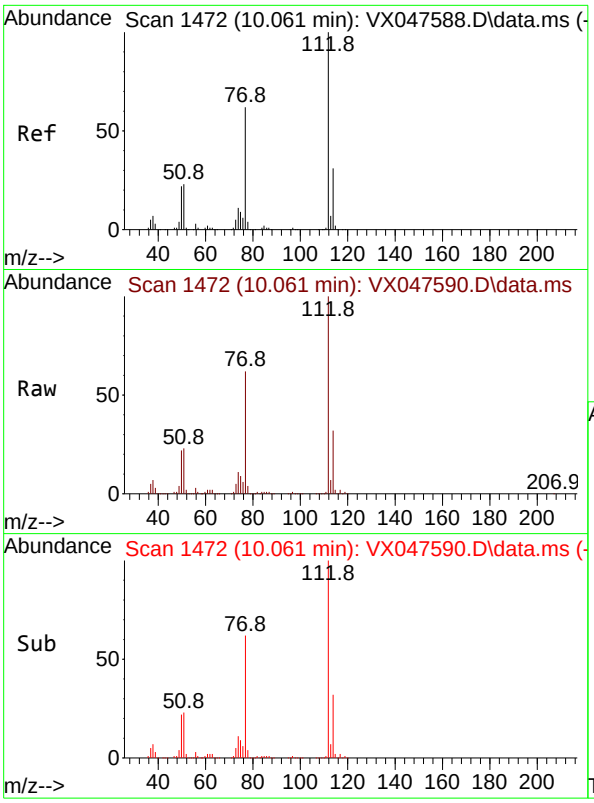


#64
Tetrachloroethene
Concen: 144.590 ug/l
RT: 9.263 min Scan# 1341
Delta R.T. 0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:164 Resp: 227931

Ion	Ratio	Lower	Upper
164	100		
166	127.8	100.2	150.2
129	99.0	81.8	122.6
131	96.4	78.6	118.0

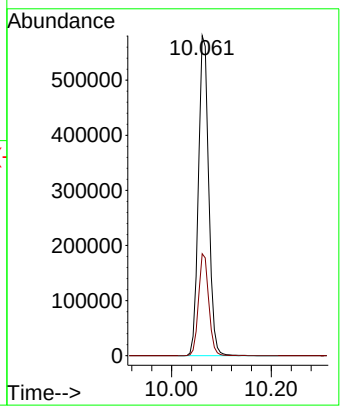




#65
Chlorobenzene
Concen: 150.763 ug/l
RT: 10.061 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:112 Resp: 82823

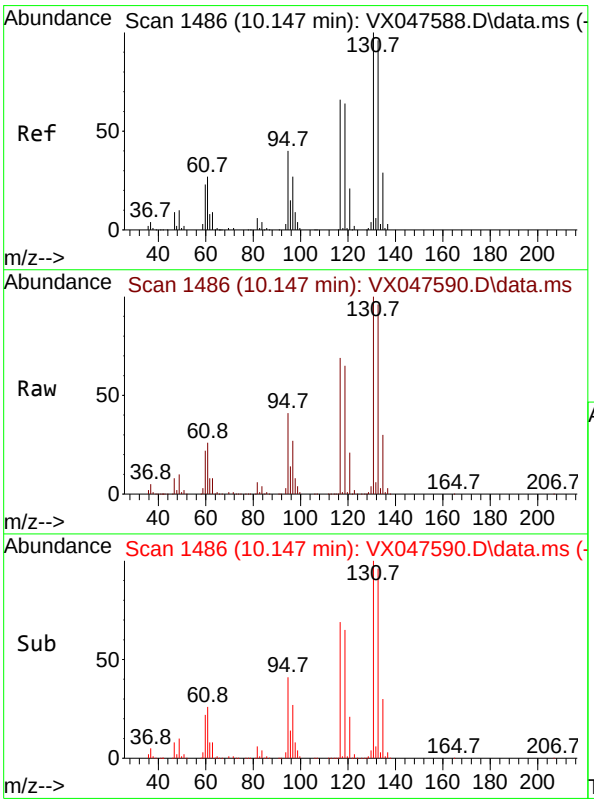
Ion	Ratio	Lower	Upper
112	100		
114	31.8	25.1	37.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

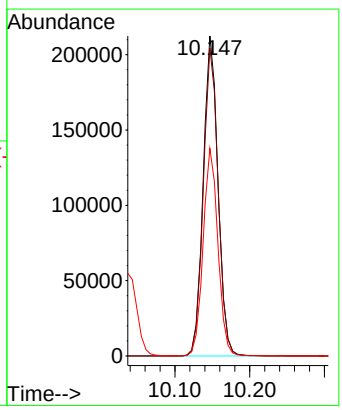
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

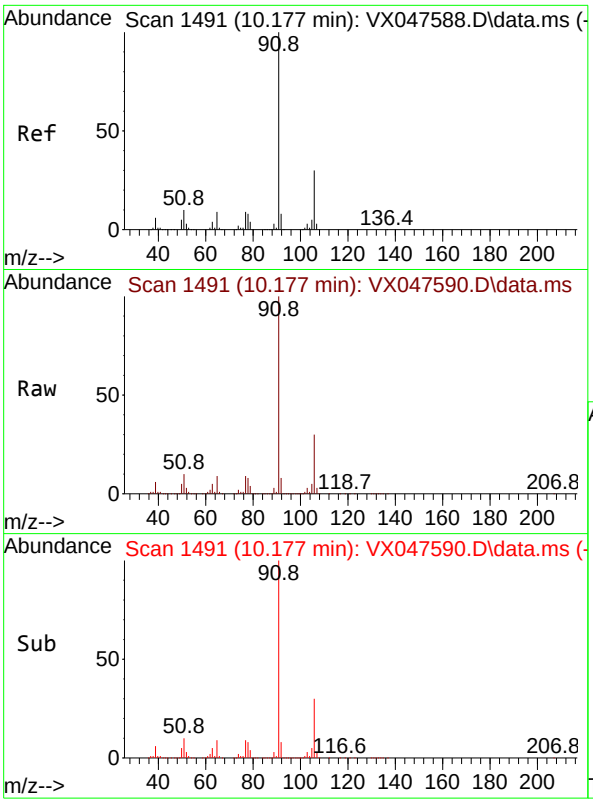


#66
1,1,1,2-Tetrachloroethane
Concen: 153.733 ug/l
RT: 10.147 min Scan# 1486
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:131 Resp: 291433

Ion	Ratio	Lower	Upper
131	100		
133	96.7	47.3	142.0
119	64.8	32.0	96.0

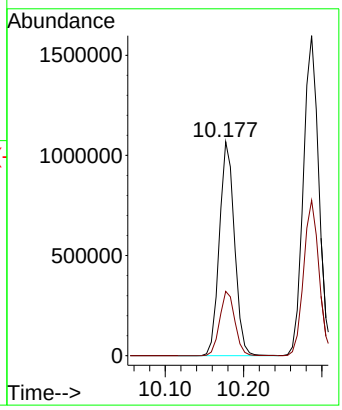




#67
Ethyl Benzene
Concen: 151.026 ug/l
RT: 10.177 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 91 Resp: 143155

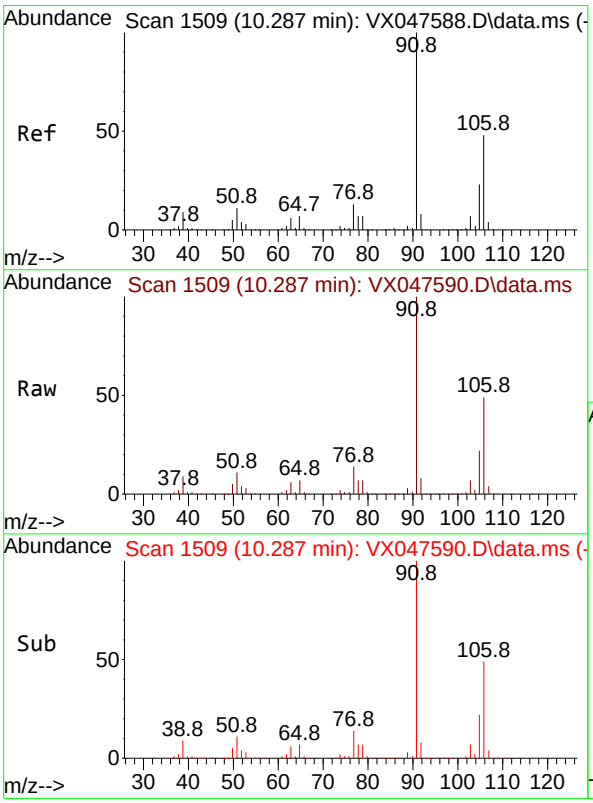
Ion	Ratio	Lower	Upper
91	100		
106	30.0	24.3	36.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

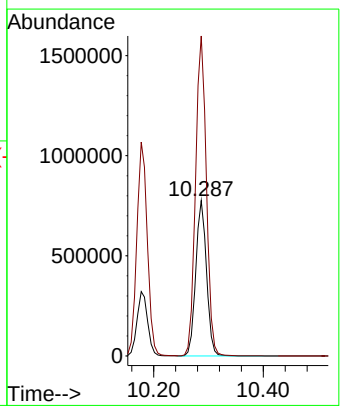
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

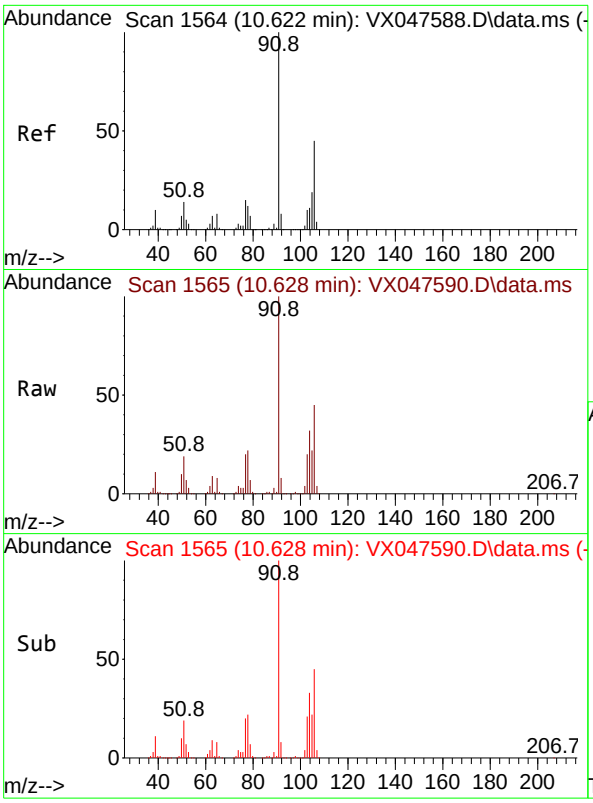


#68
m/p-Xylenes
Concen: 300.381 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:106 Resp: 1059776

Ion	Ratio	Lower	Upper
106	100		
91	208.0	167.8	251.8

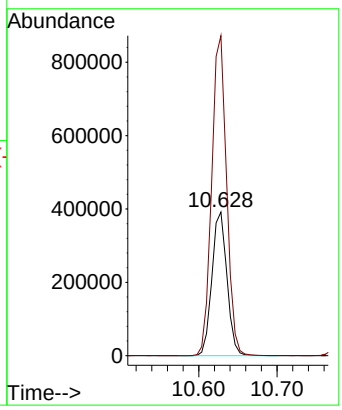




#69
o-Xylene
Concen: 152.920 ug/l
RT: 10.628 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:106 Resp: 52184

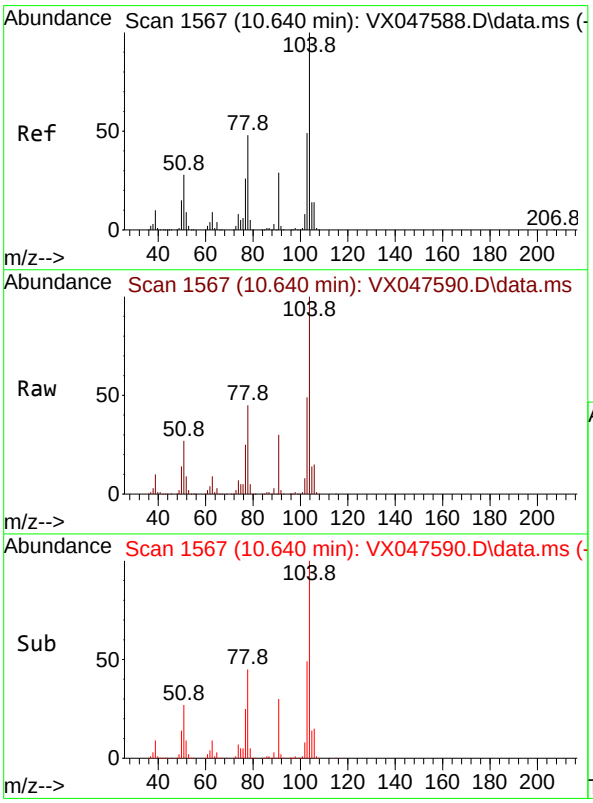
Ion	Ratio	Lower	Upper
106	100		
91	220.7	111.1	333.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

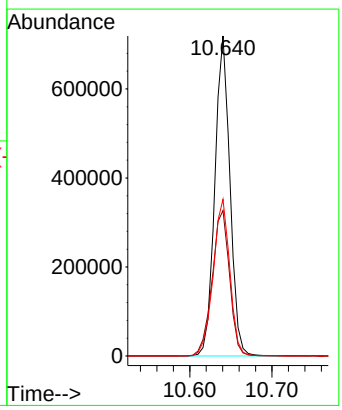
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

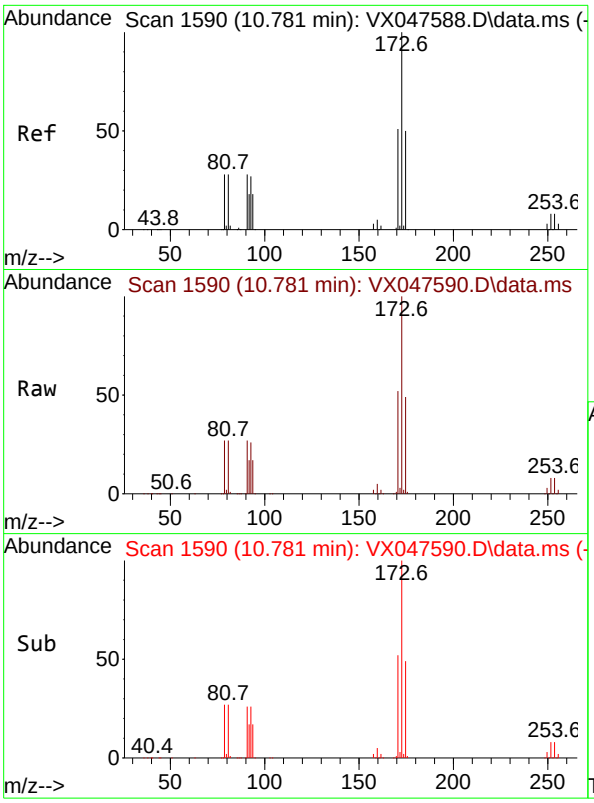


#70
Styrene
Concen: 153.449 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:104 Resp: 917532

Ion	Ratio	Lower	Upper
104	100		
78	52.4	43.1	64.7
103	54.0	43.1	64.7

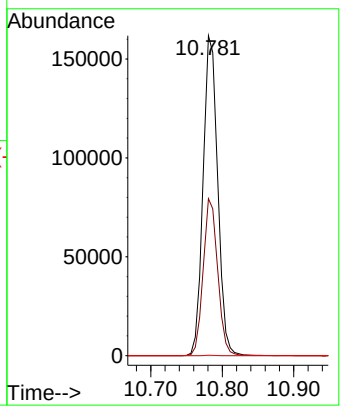




#71
Bromoform
Concen: 162.262 ug/l
RT: 10.781 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:173 Resp: 22968

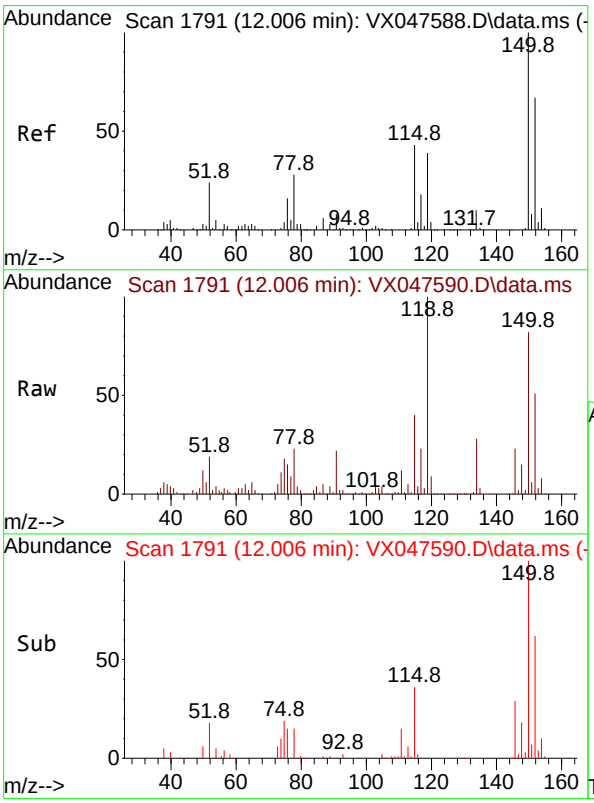
Ion	Ratio	Lower	Upper
173	100		
175	48.7	24.9	74.6
254	0.1	0.1	0.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

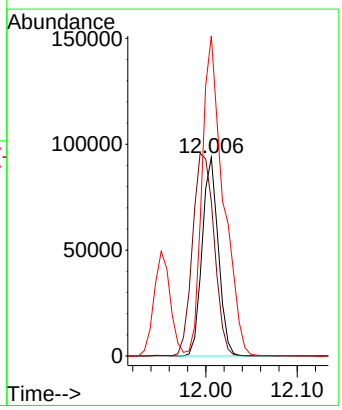
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

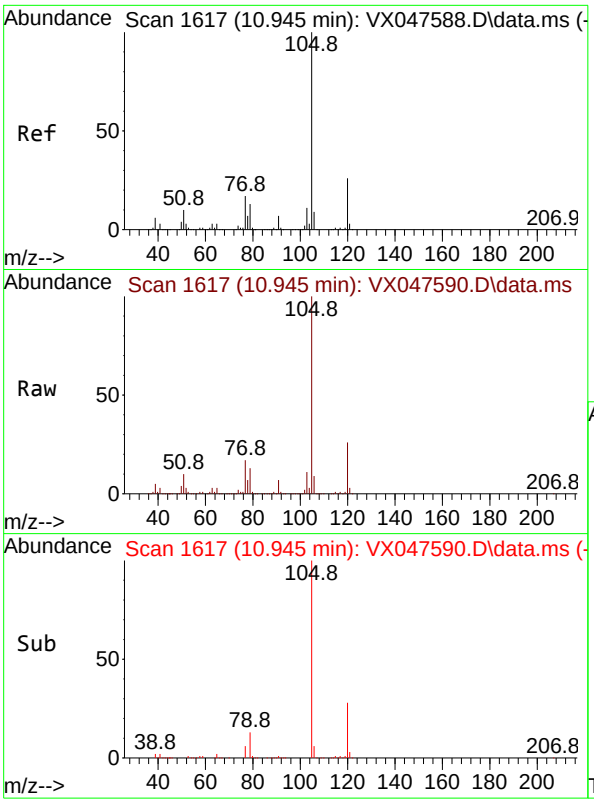


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:152 Resp: 114743

Ion	Ratio	Lower	Upper
152	100		
115	136.9	44.9	134.5#
150	212.9	0.0	352.0

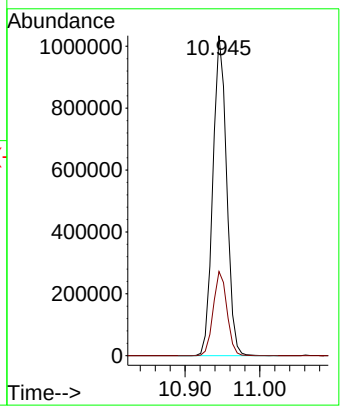




#73
Isopropylbenzene
Concen: 151.477 ug/l
RT: 10.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:105 Resp: 132140

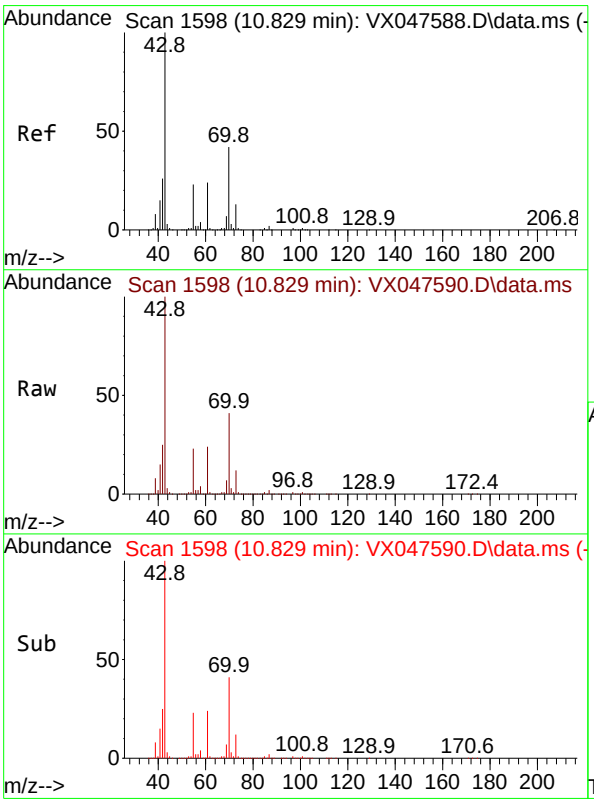
Ion	Ratio	Lower	Upper
105	100		
120	26.2	12.8	38.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

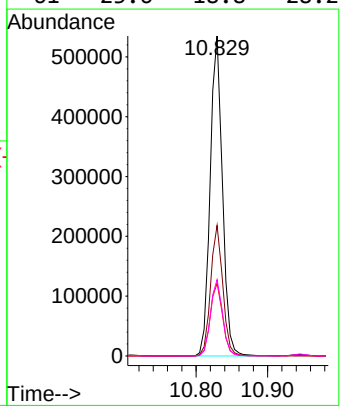
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

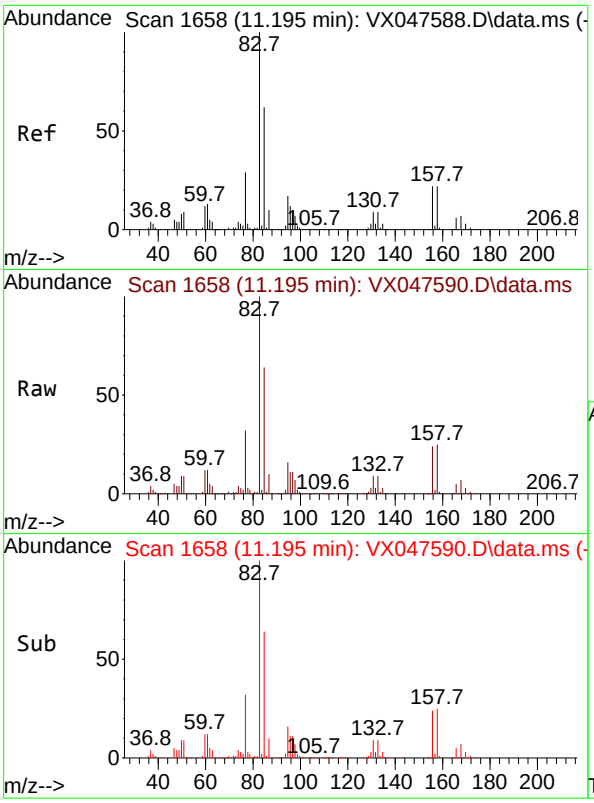


#74
N-amyl acetate
Concen: 160.099 ug/l
RT: 10.829 min Scan# 1598
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 43 Resp: 636879

Ion	Ratio	Lower	Upper
43	100		
70	40.4	32.0	48.0
55	22.9	18.9	28.3
61	23.6	18.8	28.2

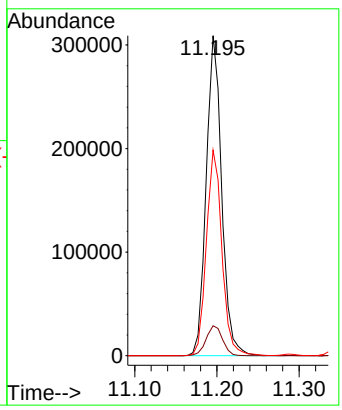




#75
1,1,2,2-Tetrachloroethane
Concen: 153.035 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 83 Resp: 40390

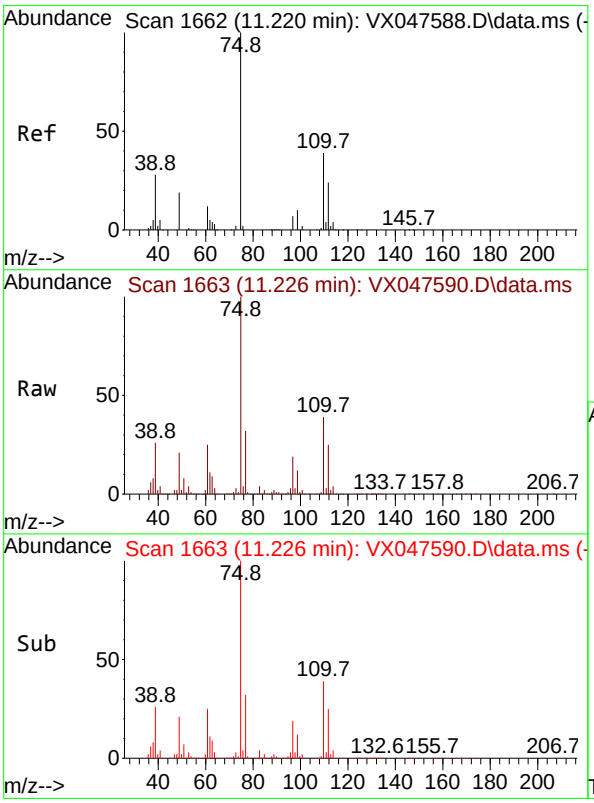
Ion	Ratio	Lower	Upper
83	100		
131	10.0	5.0	14.9
85	64.6	31.6	95.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

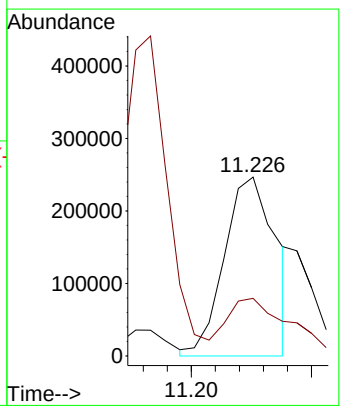
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

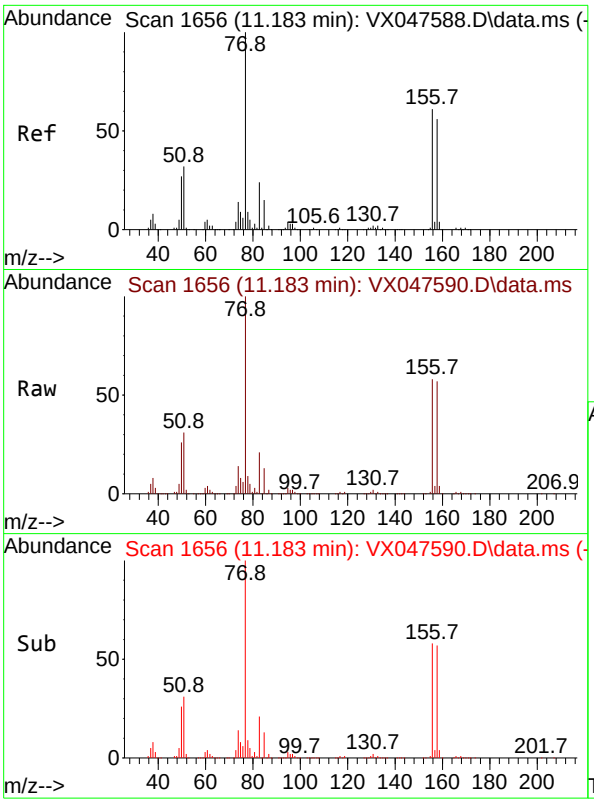


#76
1,2,3-Trichloropropane
Concen: 153.692 ug/l m
RT: 11.226 min Scan# 1663
Delta R.T. 0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 75 Resp: 366171

Ion	Ratio	Lower	Upper
75	100		
77	39.7	18.8	56.4

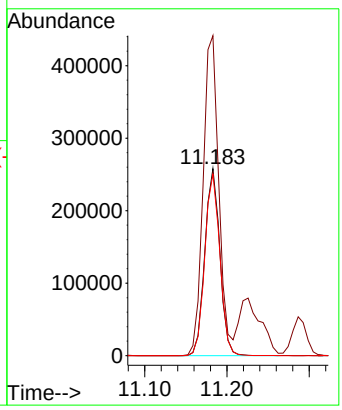




#77
Bromobenzene
Concen: 152.818 ug/l
RT: 11.183 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:156 Resp: 32833

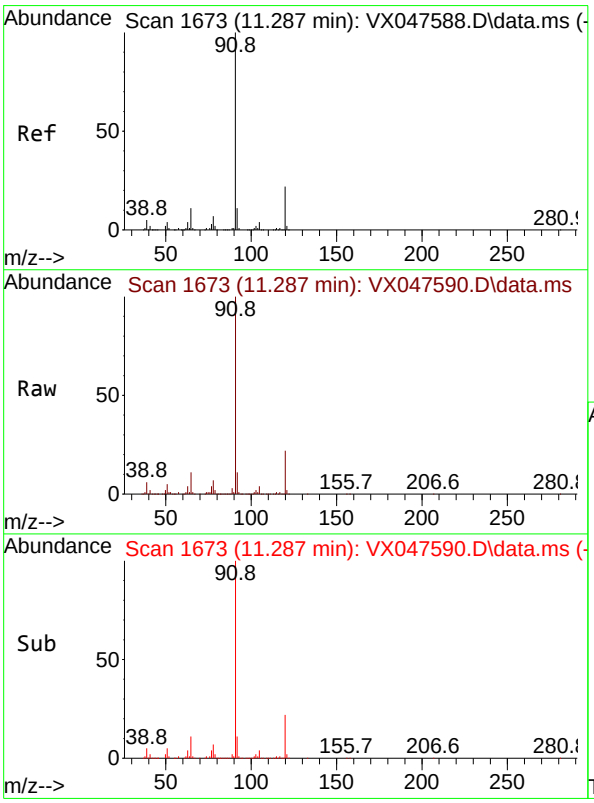
Ion	Ratio	Lower	Upper
156	100		
77	178.2	89.7	269.1
158	97.5	47.9	143.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

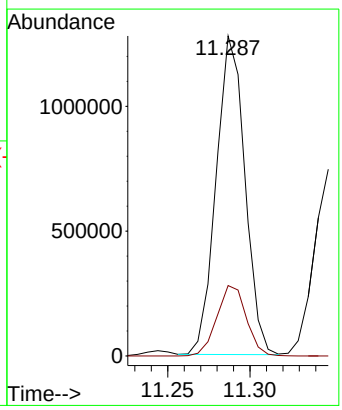
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

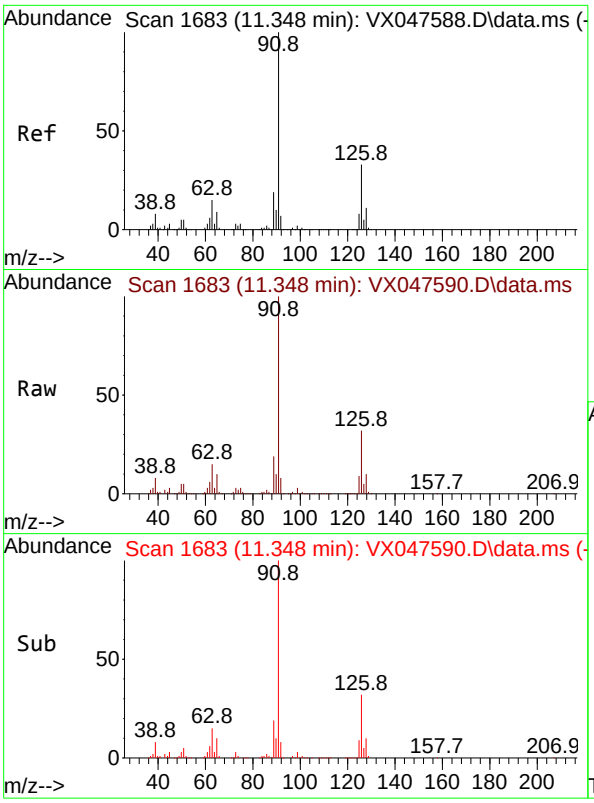


#78
n-propylbenzene
Concen: 150.337 ug/l
RT: 11.287 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 91 Resp: 1550316

Ion	Ratio	Lower	Upper
91	100		
120	22.7	11.1	33.1

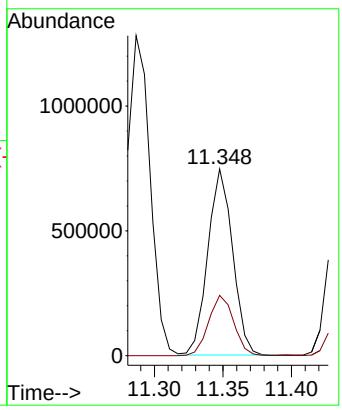




#79
2-Chlorotoluene
Concen: 148.781 ug/l
RT: 11.348 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 91 Resp: 93970

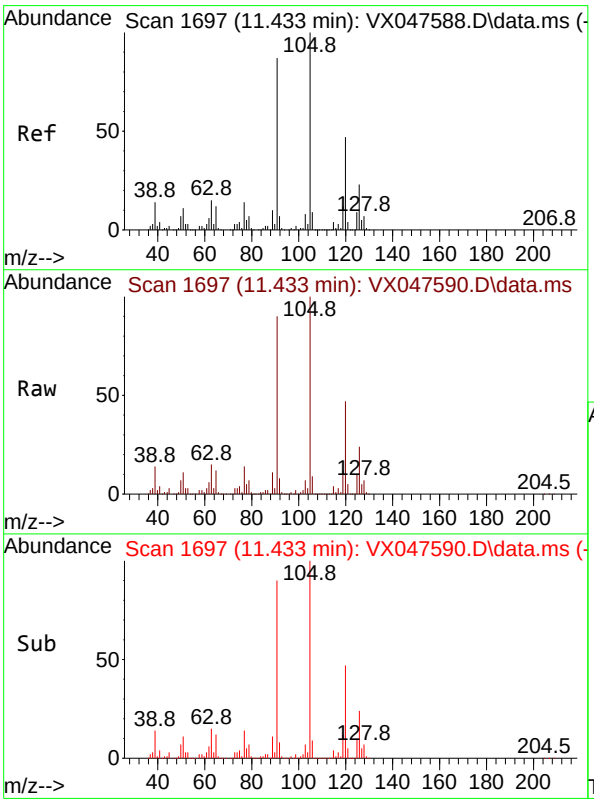
Ion	Ratio	Lower	Upper
91	100		
126	32.7	16.1	48.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

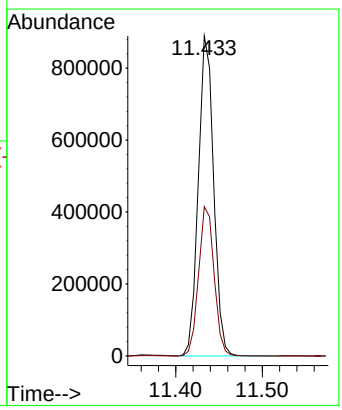
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

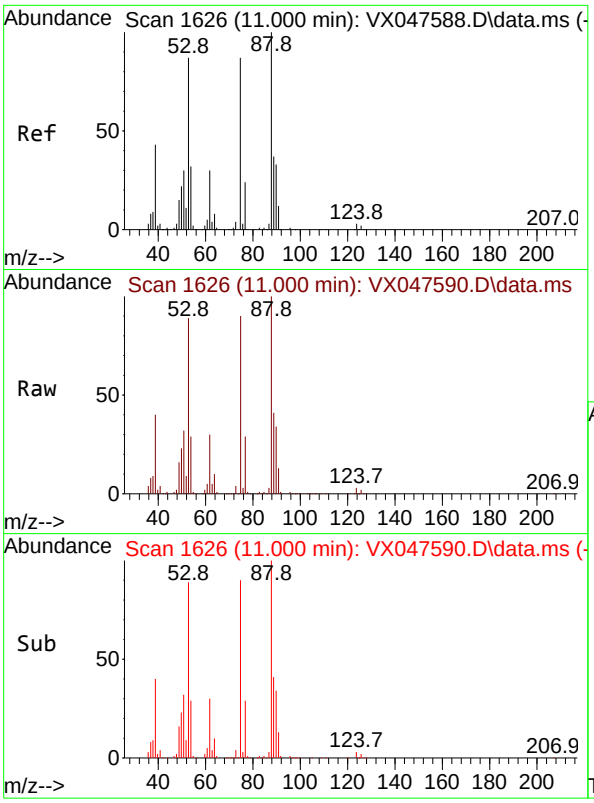


#80
1,3,5-Trimethylbenzene
Concen: 152.306 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:105 Resp: 1091593

Ion	Ratio	Lower	Upper
105	100		
120	47.4	23.6	70.8





#81
trans-1,4-Dichloro-2-butene
Concen: 160.176 ug/l
RT: 11.000 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

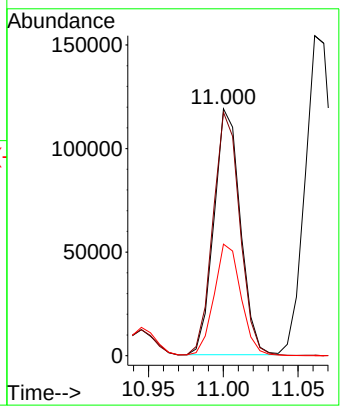
Tgt Ion: 75 Resp: 14592

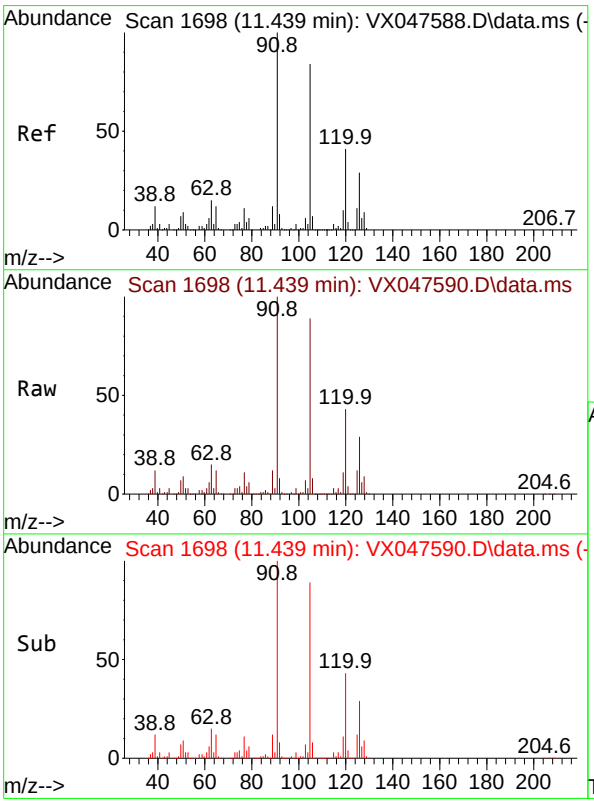
Ion	Ratio	Lower	Upper
75	100		
53	100.8	83.4	125.2
89	46.3	36.3	54.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

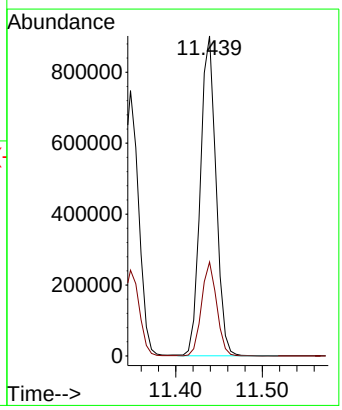


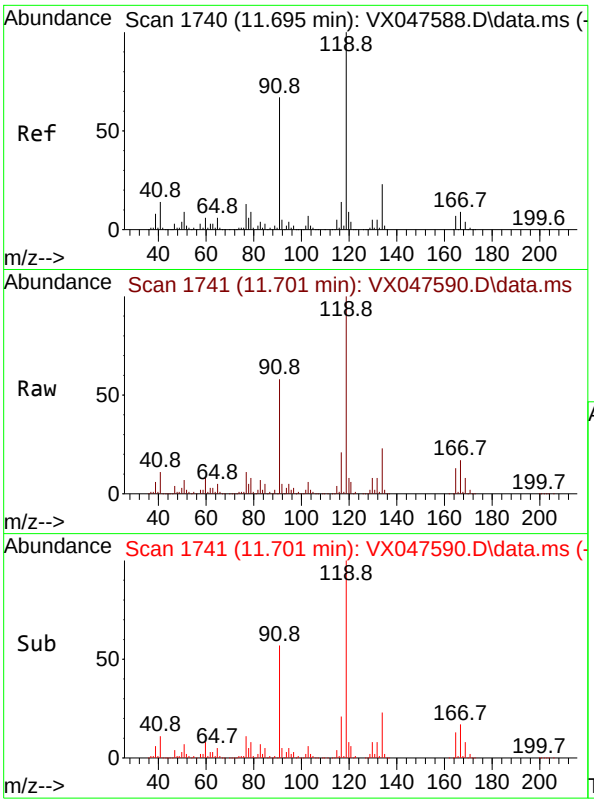


#82
4-Chlorotoluene
Concen: 151.112 ug/l
RT: 11.439 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 91 Resp: 1127233

Ion	Ratio	Lower	Upper
91	100		
126	28.5	14.2	42.6

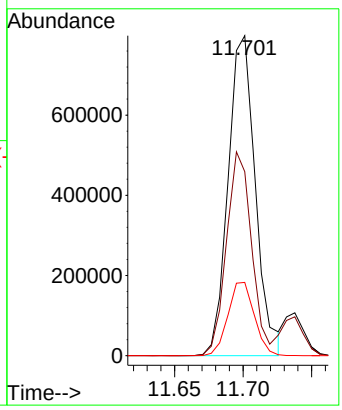




#83
tert-Butylbenzene
Concen: 150.819 ug/l
RT: 11.701 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:119 Resp: 110653

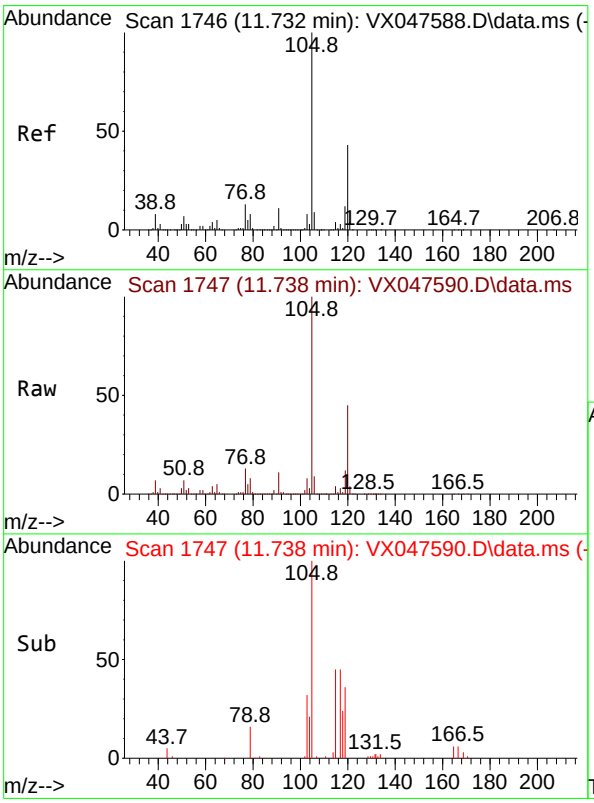
Ion	Ratio	Lower	Upper
119	100		
91	58.7	29.6	88.8
134	22.3	11.0	33.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

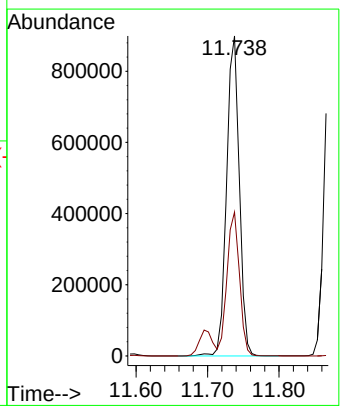
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

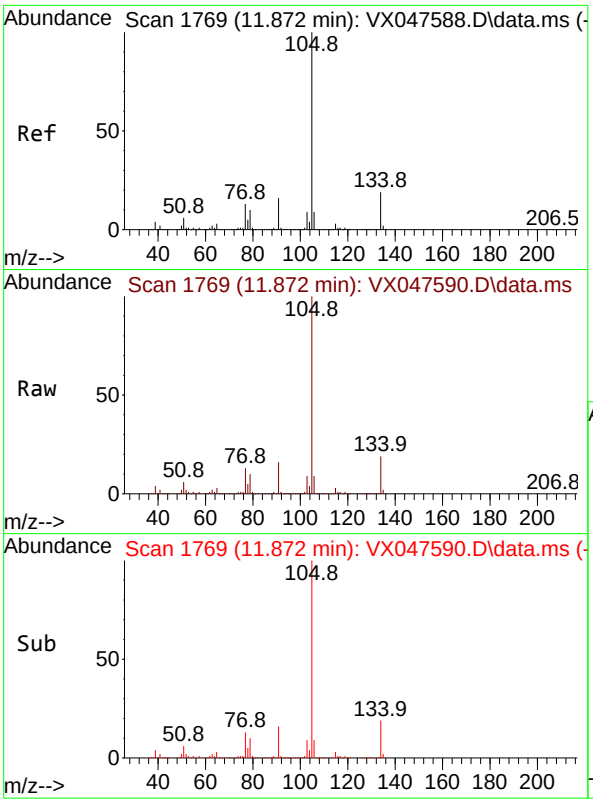


#84
1,2,4-Trimethylbenzene
Concen: 152.336 ug/l
RT: 11.738 min Scan# 1747
Delta R.T. 0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:105 Resp: 1106914

Ion	Ratio	Lower	Upper
105	100		
120	44.4	22.1	66.1

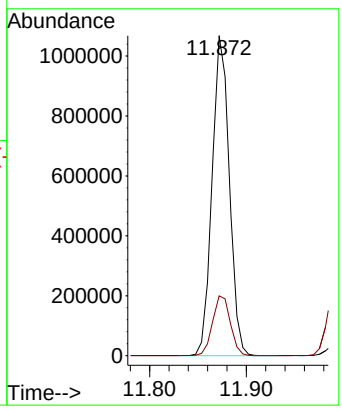




#85
sec-Butylbenzene
Concen: 151.448 ug/l
RT: 11.872 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:105 Resp: 131981

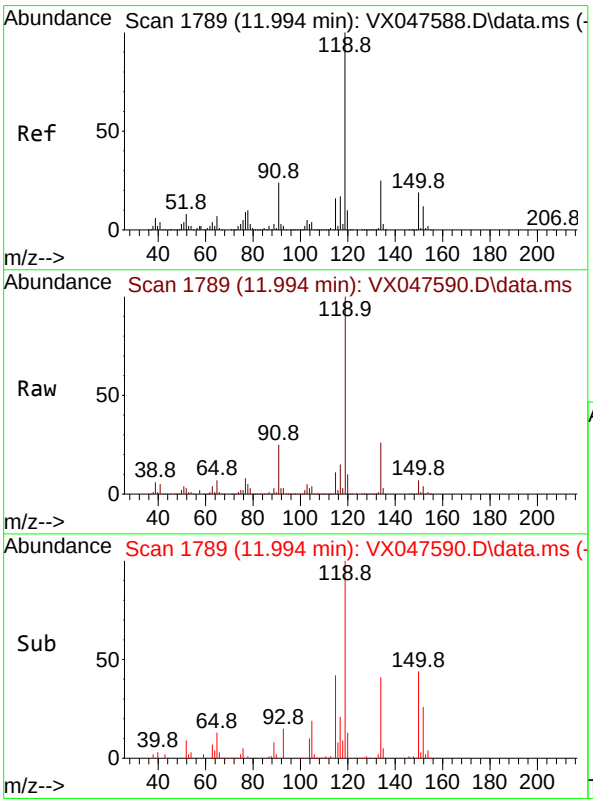
Ion	Ratio	Lower	Upper
105	100		
134	19.4	9.8	29.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

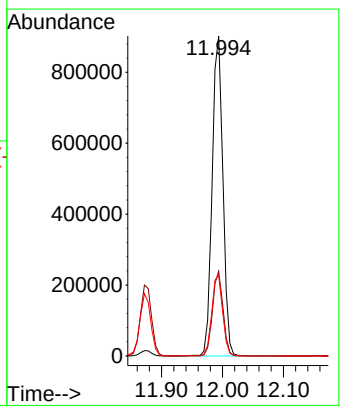
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

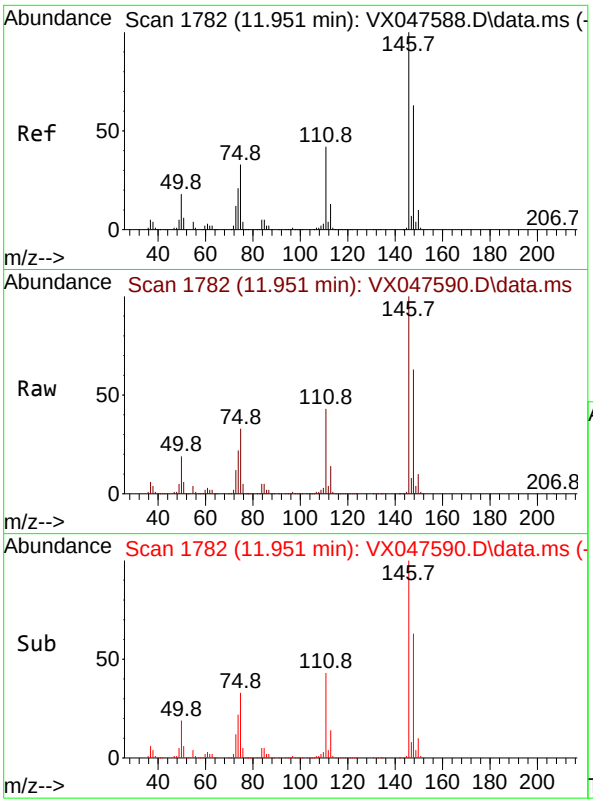


#86
p-Isopropyltoluene
Concen: 149.530 ug/l
RT: 11.994 min Scan# 1789
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:119 Resp: 1103210

Ion	Ratio	Lower	Upper
119	100		
134	25.9	12.6	37.8
91	25.3	12.6	37.6

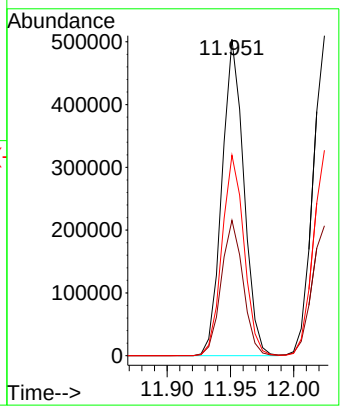




#87
1,3-Dichlorobenzene
Concen: 151.633 ug/l
RT: 11.951 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:146 Resp: 60512

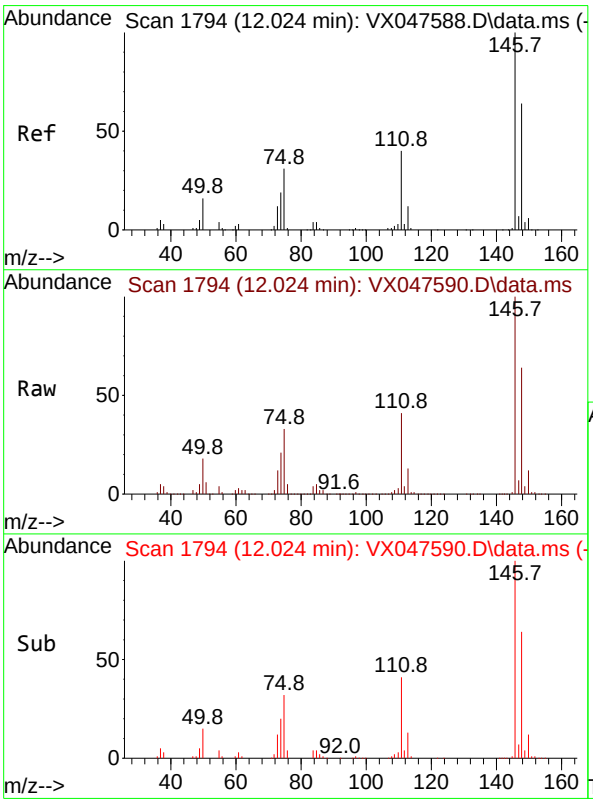
Ion	Ratio	Lower	Upper
146	100		
111	42.8	21.5	64.5
148	63.8	32.0	96.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

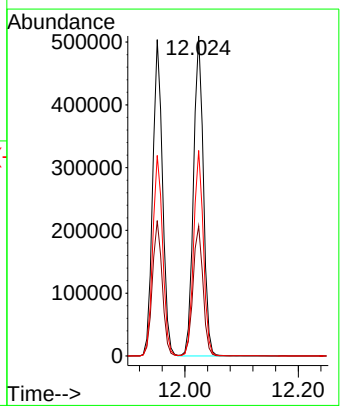
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

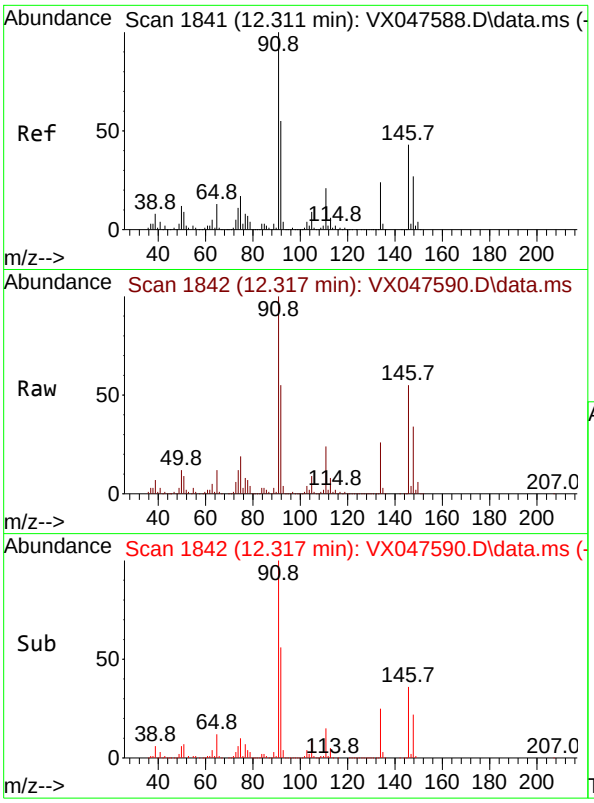


#88
1,4-Dichlorobenzene
Concen: 149.814 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:146 Resp: 613617

Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.8	62.4
148	63.2	31.7	95.1

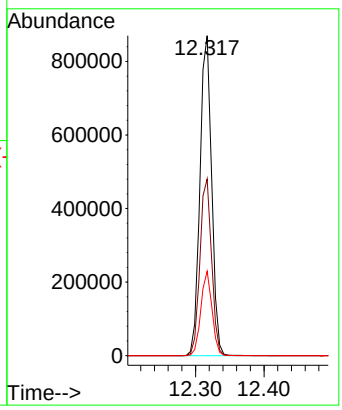




#89
n-Butylbenzene
Concen: 151.222 ug/l
RT: 12.317 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 91 Resp: 103235

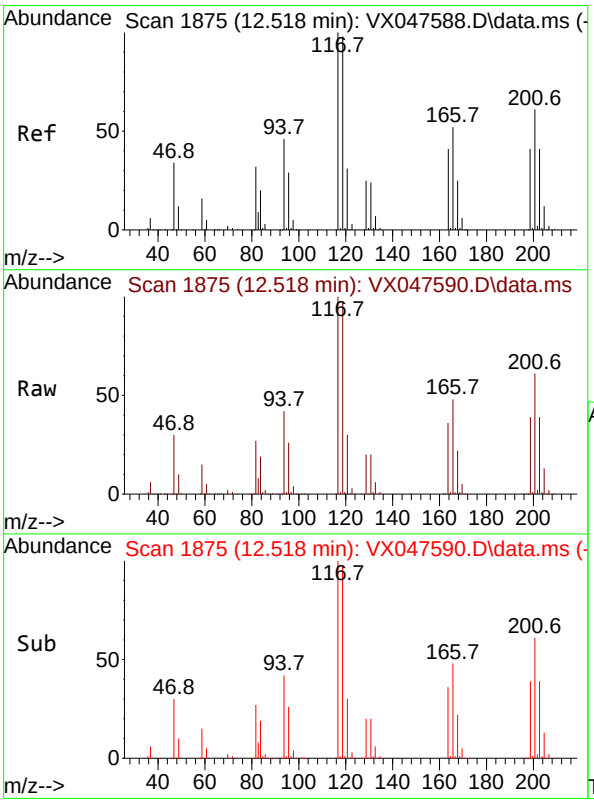
Ion	Ratio	Lower	Upper
91	100		
92	55.2	27.6	82.7
134	25.2	12.6	37.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

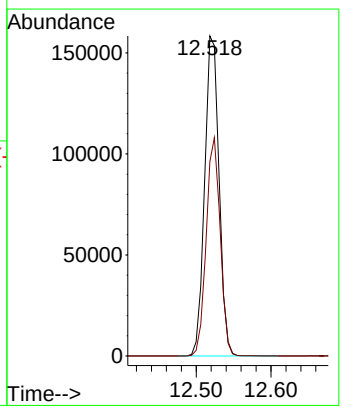
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

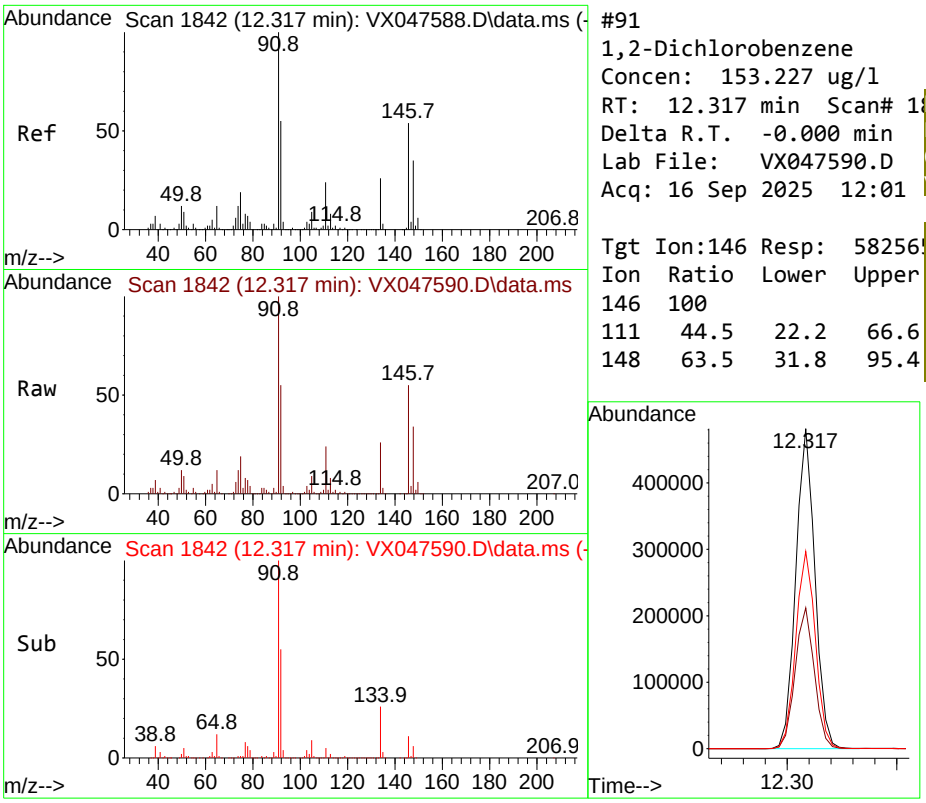


#90
Hexachloroethane
Concen: 163.258 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:117 Resp: 211472

Ion	Ratio	Lower	Upper
117	100		
201	66.6	34.2	102.5





#91
1,2-Dichlorobenzene
Concen: 153.227 ug/l
RT: 12.317 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

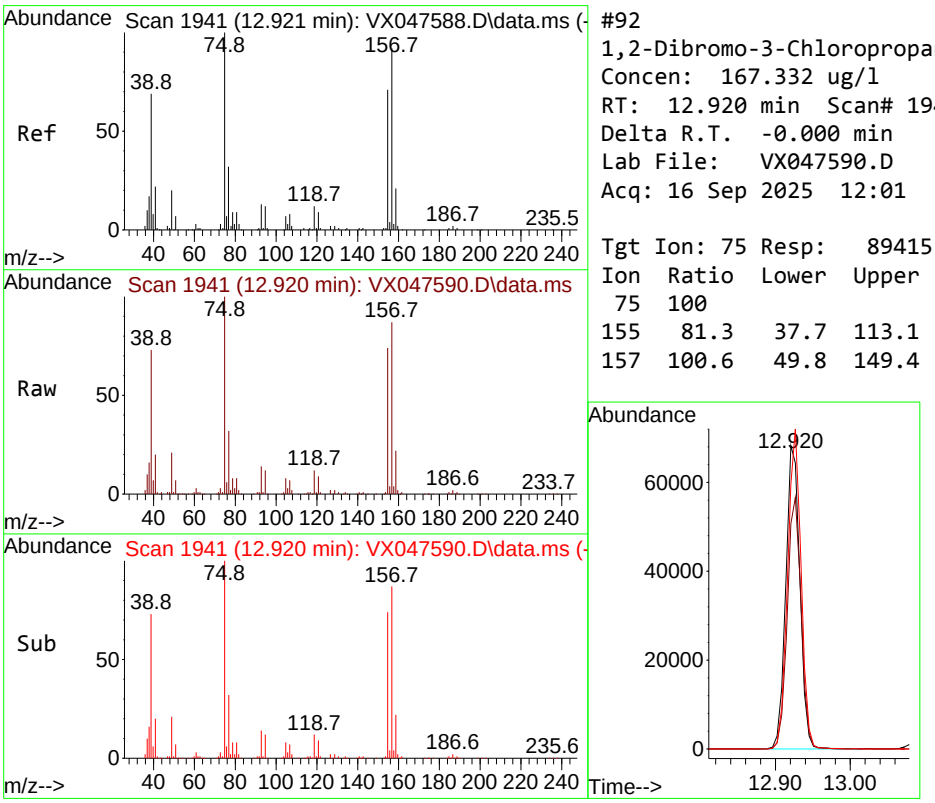
Tgt Ion:146 Resp: 58256

Ion	Ratio	Lower	Upper
146	100		
111	44.5	22.2	66.6
148	63.5	31.8	95.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

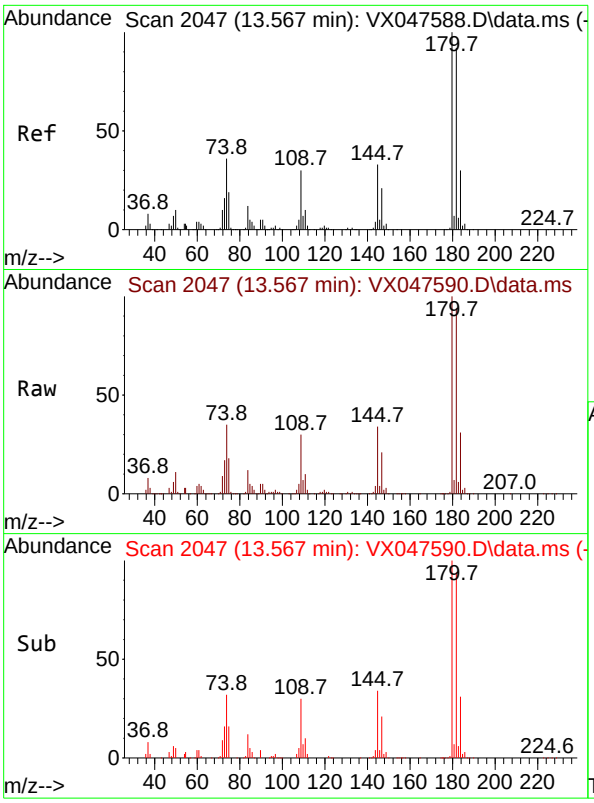
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 167.332 ug/l
RT: 12.920 min Scan# 1941
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 75 Resp: 89415

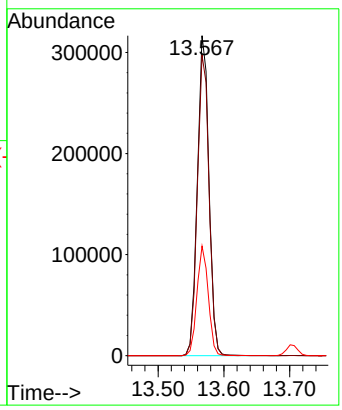
Ion	Ratio	Lower	Upper
75	100		
155	81.3	37.7	113.1
157	100.6	49.8	149.4



#93
1,2,4-Trichlorobenzene
Concen: 156.884 ug/l
RT: 13.567 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:180 Resp: 38765

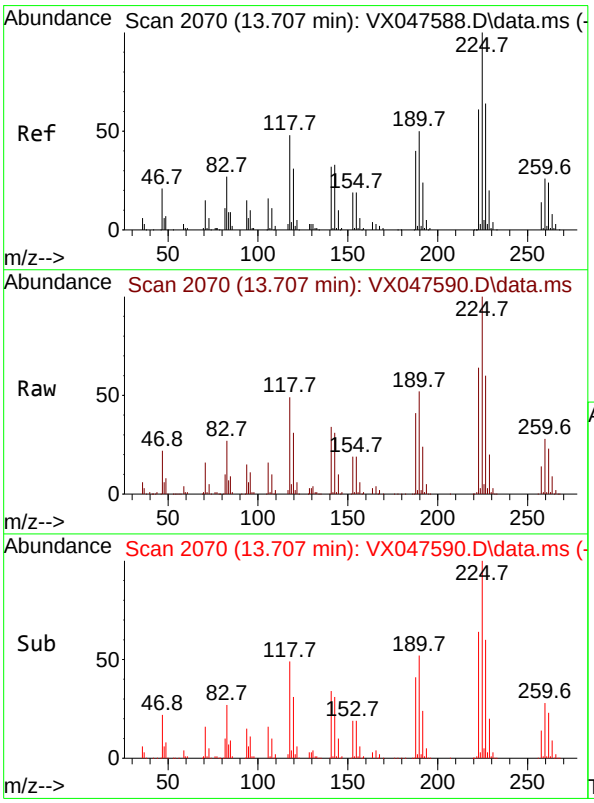
Ion	Ratio	Lower	Upper
180	100		
182	95.3	46.6	139.8
145	33.5	16.4	49.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

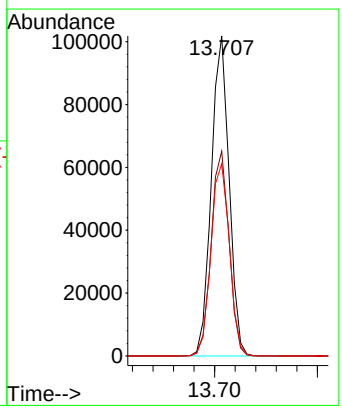
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

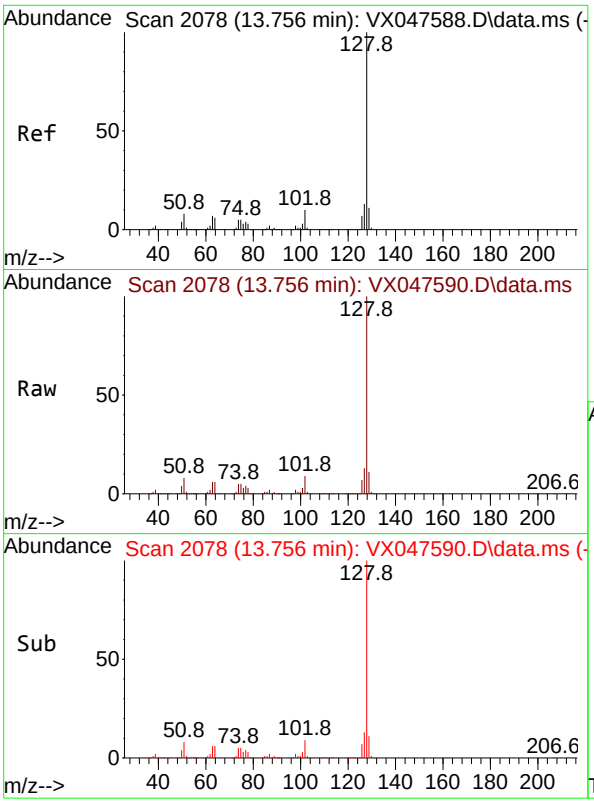


#94
Hexachlorobutadiene
Concen: 145.110 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:225 Resp: 121791

Ion	Ratio	Lower	Upper
225	100		
223	64.2	31.7	95.1
227	62.8	32.0	96.0

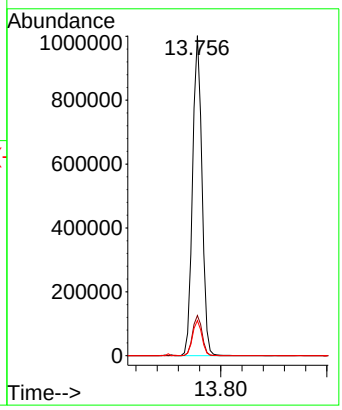




#95
Naphthalene
Concen: 163.388 ug/l
RT: 13.756 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:128 Resp: 122936

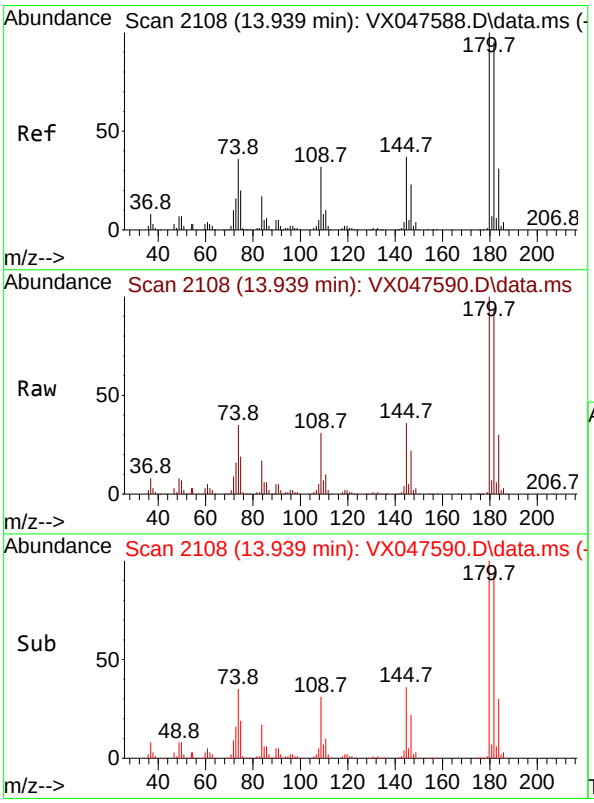
Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.2
129	10.9	8.8	13.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

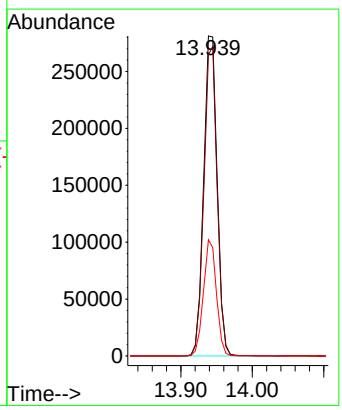
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025



#96
1,2,3-Trichlorobenzene
Concen: 160.704 ug/l
RT: 13.939 min Scan# 2108
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:180 Resp: 369382

Ion	Ratio	Lower	Upper
180	100		
182	94.6	47.6	142.8
145	34.9	17.9	53.7



Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047592.D
Acq On : 16 Sep 2025 13:35
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 17 06:47:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Manual Integrations APPROVED
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.531	168	186484	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.745	114	331837	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	288660	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	139252	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.934	65	135209	45.550	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 91.100%			
35) Dibromofluoromethane	5.367	113	101390	45.559	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 91.120%			
50) Toluene-d8	8.634	98	357393	46.411	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 92.820%			
62) 4-Bromofluorobenzene	11.061	95	135957	46.520	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 93.040%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.179	85	86110	44.592	ug/l	94
3) Chloromethane	1.300	50	110935	43.710	ug/l	99
4) Vinyl Chloride	1.380	62	113742	45.783	ug/l	99
5) Bromomethane	1.617	94	76388	48.489	ug/l	99
6) Chloroethane	1.697	64	77337	46.575	ug/l	99
7) Trichlorofluoromethane	1.892	101	173647	47.074	ug/l	98
8) Diethyl Ether	2.136	74	70459	46.693	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.331	101	104663	48.524	ug/l	99
10) Methyl Iodide	2.453	142	155450	46.210	ug/l	99
11) Tert butyl alcohol	2.940	59	84722	256.271	ug/l	100
12) 1,1-Dichloroethene	2.325	96	104302	47.076	ug/l	98
13) Acrolein	2.233	56	77645	254.867	ug/l	99
14) Allyl chloride	2.666	41	213704	46.742	ug/l	99
15) Acrylonitrile	3.056	53	310505	253.567	ug/l	99
16) Acetone	2.373	43	316217	245.006	ug/l	97
17) Carbon Disulfide	2.514	76	272741	44.966	ug/l	97
18) Methyl Acetate	2.697	43	158480	55.175	ug/l	100
19) Methyl tert-butyl Ether	3.105	73	392574	48.538	ug/l	100
20) Methylene Chloride	2.788	84	125669	46.000	ug/l	97
21) trans-1,2-Dichloroethene	3.087	96	111418	46.709	ug/l	99
22) Diisopropyl ether	3.745	45	426854	48.174	ug/l #	83
23) Vinyl Acetate	3.709	43	1741267	245.539	ug/l	99
24) 1,1-Dichloroethane	3.599	63	226249	48.041	ug/l	99
25) 2-Butanone	4.532	43	408273	253.598	ug/l	97
26) 2,2-Dichloropropane	4.458	77	193760	49.494	ug/l	100
27) cis-1,2-Dichloroethene	4.477	96	142635	48.826	ug/l	99
28) Bromochloromethane	4.879	49	95782	46.586	ug/l	99
29) Tetrahydrofuran	4.983	42	245392	253.375	ug/l	99
30) Chloroform	5.074	83	231954	48.739	ug/l	99
31) Cyclohexane	5.458	56	180430	45.999	ug/l	99
32) 1,1,1-Trichloroethane	5.367	97	197711	48.978	ug/l	100
36) 1,1-Dichloropropene	5.678	75	151745	46.663	ug/l	99
37) Ethyl Acetate	4.690	43	171454	49.241	ug/l	98
38) Carbon Tetrachloride	5.659	117	165834	46.935	ug/l	95
39) Methylcyclohexane	7.360	83	179392	48.597	ug/l	98
40) Benzene	6.019	78	467748	47.357	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047592.D
Acq On : 16 Sep 2025 13:35
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 17 06:47:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Manual Integrations APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.897	41	90758	50.490	ug/l		98
42) 1,2-Dichloroethane	6.068	62	176131	46.867	ug/l		100
43) Isopropyl Acetate	6.318	43	280595	49.136	ug/l		100
44) Trichloroethene	7.104	130	114708	48.037	ug/l		98
45) 1,2-Dichloropropane	7.409	63	121532	48.053	ug/l		98
46) Dibromomethane	7.562	93	88297	47.976	ug/l		98
47) Bromodichloromethane	7.799	83	185219	48.769	ug/l		96
48) Methyl methacrylate	7.671	41	141532	49.757	ug/l		99
49) 1,4-Dioxane	7.641	88	31320	1089.520	ug/l		98
51) 4-Methyl-2-Pentanone	8.555	43	809759	255.752	ug/l		100
52) Toluene	8.702	92	292879	48.130	ug/l		99
53) t-1,3-Dichloropropene	8.964	75	191863	49.527	ug/l		100
54) cis-1,3-Dichloropropene	8.348	75	203954	49.257	ug/l		97
55) 1,1,2-Trichloroethane	9.134	97	112094	47.772	ug/l		98
56) Ethyl methacrylate	9.098	69	189741	51.490	ug/l		99
57) 1,3-Dichloropropane	9.293	76	197079	48.894	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.226	63	394205	225.562	ug/l		99
59) 2-Hexanone	9.415	43	575599	253.126	ug/l		99
60) Dibromochloromethane	9.506	129	134704	49.824	ug/l		99
61) 1,2-Dibromoethane	9.592	107	117817	49.297	ug/l		99
64) Tetrachloroethene	9.256	164	90881	48.296	ug/l		98
65) Chlorobenzene	10.061	112	318372	48.549	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.146	131	110416	48.794	ug/l		98
67) Ethyl Benzene	10.177	91	563634	49.813	ug/l		99
68) m/p-Xylenes	10.287	106	416757	98.956	ug/l		99
69) o-Xylene	10.622	106	204323	50.159	ug/l		99
70) Styrene	10.640	104	353567	49.536	ug/l		99
71) Bromoform	10.780	173	86524	51.207	ug/l	#	98
73) Isopropylbenzene	10.945	105	523826	49.479	ug/l		100
74) N-amyl acetate	10.823	43	243198	50.375	ug/l		100
75) 1,1,2,2-Tetrachloroethane	11.195	83	159676	49.851	ug/l		99
76) 1,2,3-Trichloropropane	11.219	75	149779m	53.124	ug/l		
77) Bromobenzene	11.183	156	125610	48.173	ug/l		98
78) n-propylbenzene	11.286	91	616928	49.295	ug/l		99
79) 2-Chlorotoluene	11.347	91	376486	49.117	ug/l		100
80) 1,3,5-Trimethylbenzene	11.433	105	435375	50.055	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.000	75	55880	50.543	ug/l		99
82) 4-Chlorotoluene	11.433	91	445075	49.164	ug/l		100
83) tert-Butylbenzene	11.695	119	442341	49.679	ug/l		99
84) 1,2,4-Trimethylbenzene	11.732	105	440134	49.911	ug/l		99
85) sec-Butylbenzene	11.872	105	529869	50.100	ug/l		100
86) p-Isopropyltoluene	11.994	119	446441	49.861	ug/l		99
87) 1,3-Dichlorobenzene	11.951	146	237383	49.014	ug/l		99
88) 1,4-Dichlorobenzene	12.024	146	243618	49.011	ug/l		99
89) n-Butylbenzene	12.317	91	420478	50.752	ug/l		100
90) Hexachloroethane	12.518	117	79751	50.732	ug/l		99
91) 1,2-Dichlorobenzene	12.317	146	227493	49.304	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	12.920	75	33020	50.918	ug/l		96
93) 1,2,4-Trichlorobenzene	13.567	180	153333	51.133	ug/l		100
94) Hexachlorobutadiene	13.707	225	53099	52.131	ug/l		99
95) Naphthalene	13.756	128	464206	50.836	ug/l		100
96) 1,2,3-Trichlorobenzene	13.938	180	142413	51.054	ug/l		100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047592.D
Acq On : 16 Sep 2025 13:35
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Manual Integrations APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

Quant Time: Sep 17 06:47:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

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

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

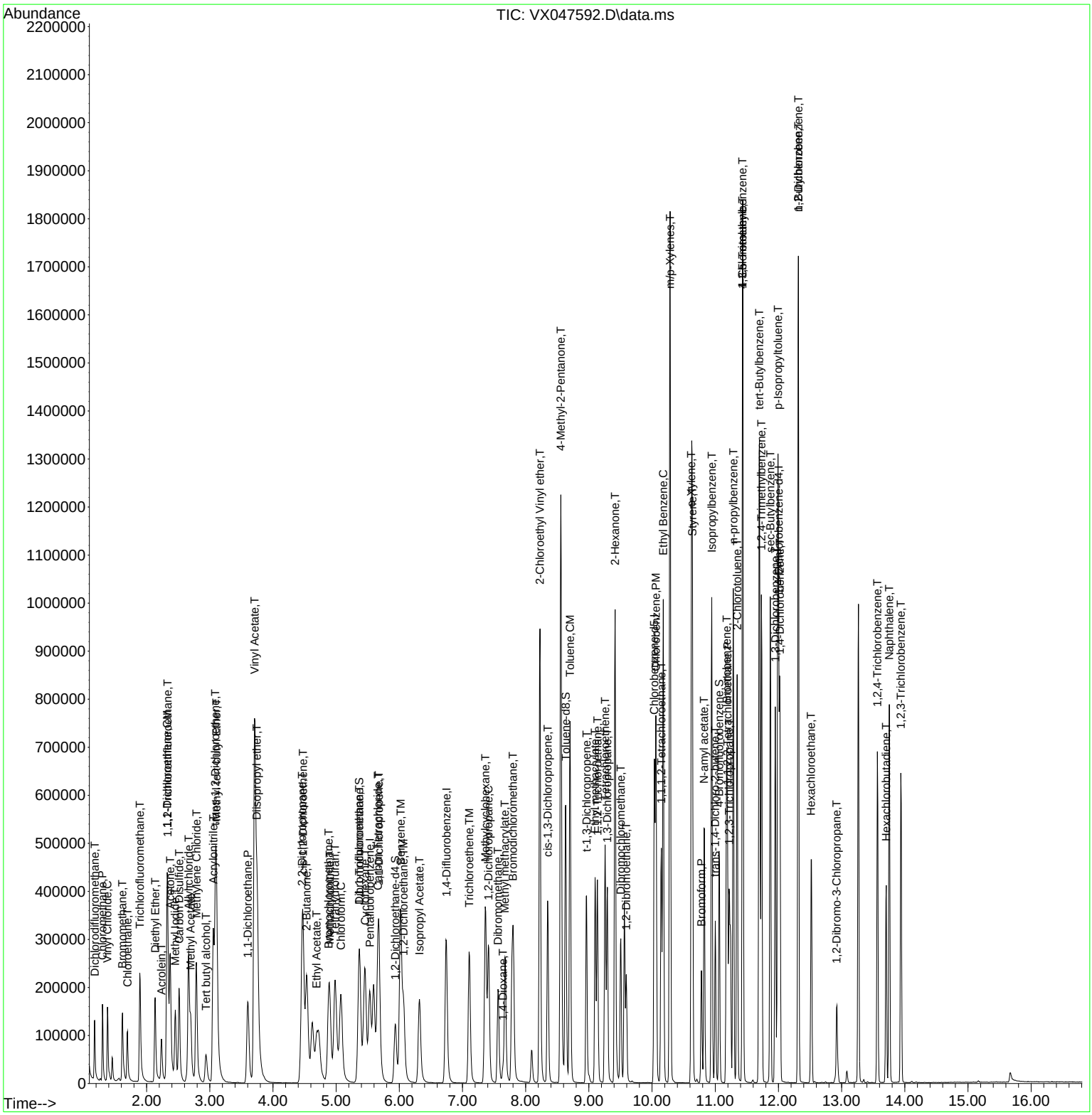
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047592.D
Acq On : 16 Sep 2025 13:35
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

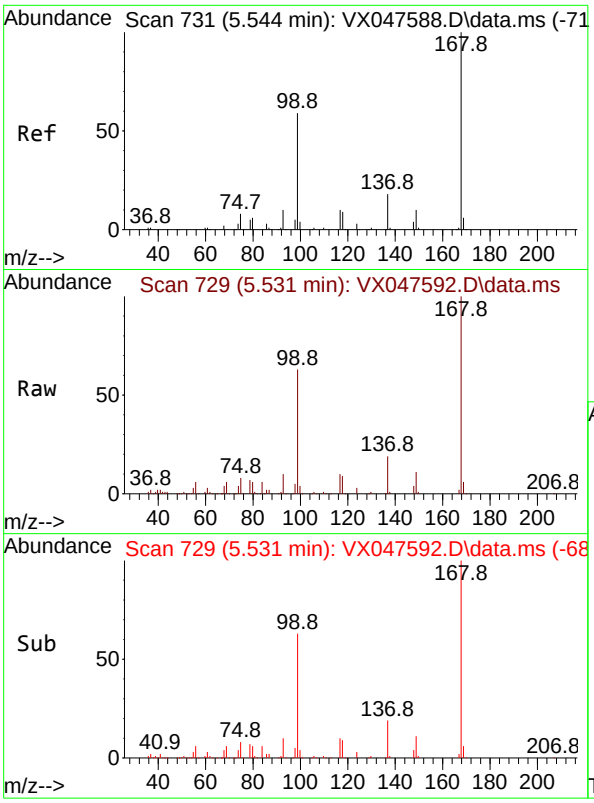
Quant Time: Sep 17 06:47:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Manual Integrations APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

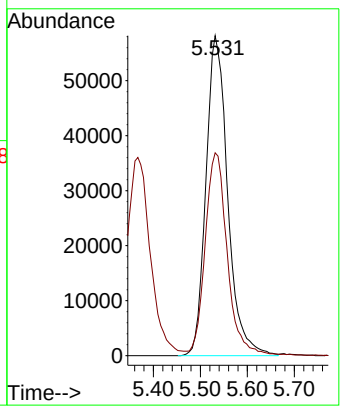




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.531 min Scan# 7
Delta R.T. -0.013 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:168 Resp: 18648

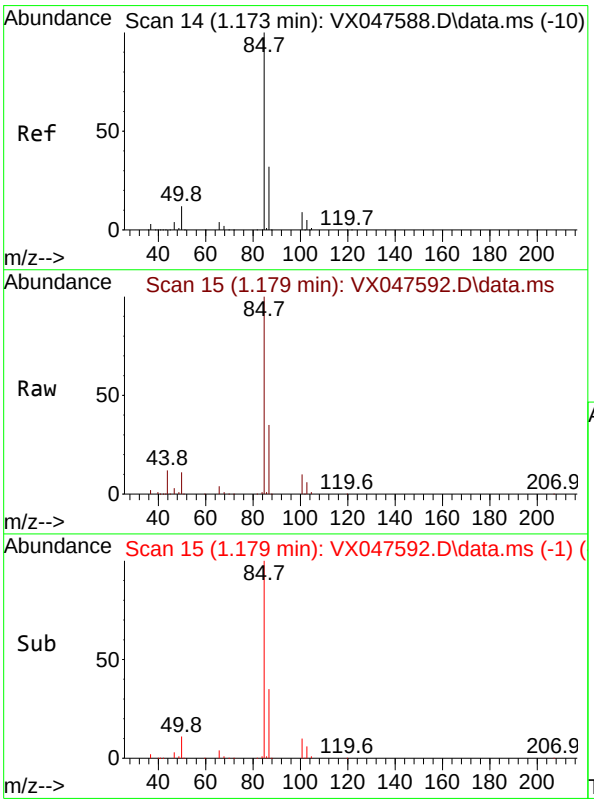
Ion	Ratio	Lower	Upper
168	100		
99	62.9	48.8	73.2



Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Manual Integrations APPROVED

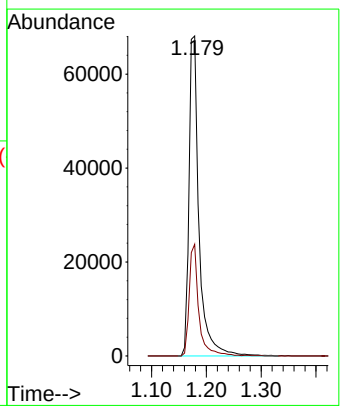
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

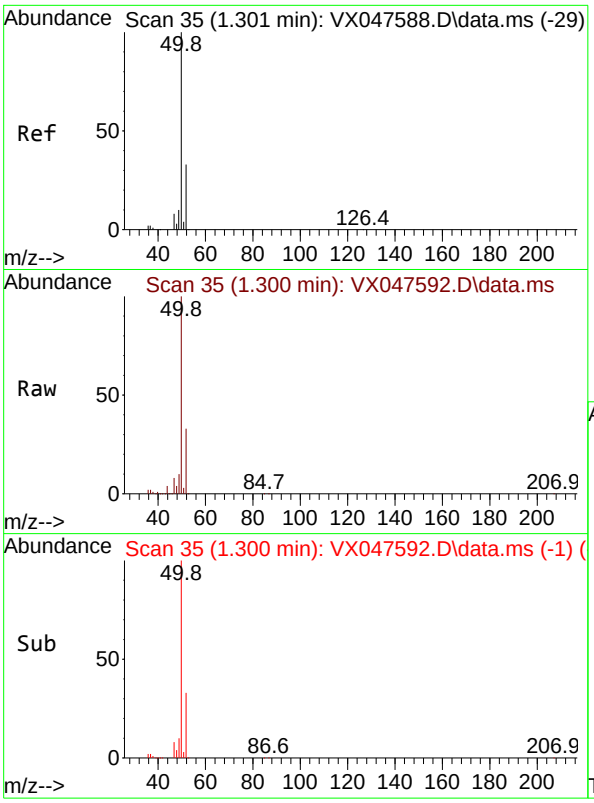


#2
Dichlorodifluoromethane
Concen: 44.592 ug/l
RT: 1.179 min Scan# 15
Delta R.T. 0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 85 Resp: 86110

Ion	Ratio	Lower	Upper
85	100		
87	34.9	15.8	47.3

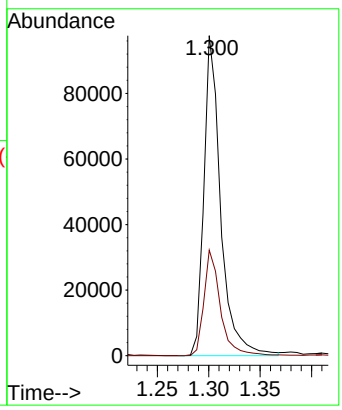




#3
Chloromethane
Concen: 43.710 ug/l
RT: 1.300 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 50 Resp: 11093

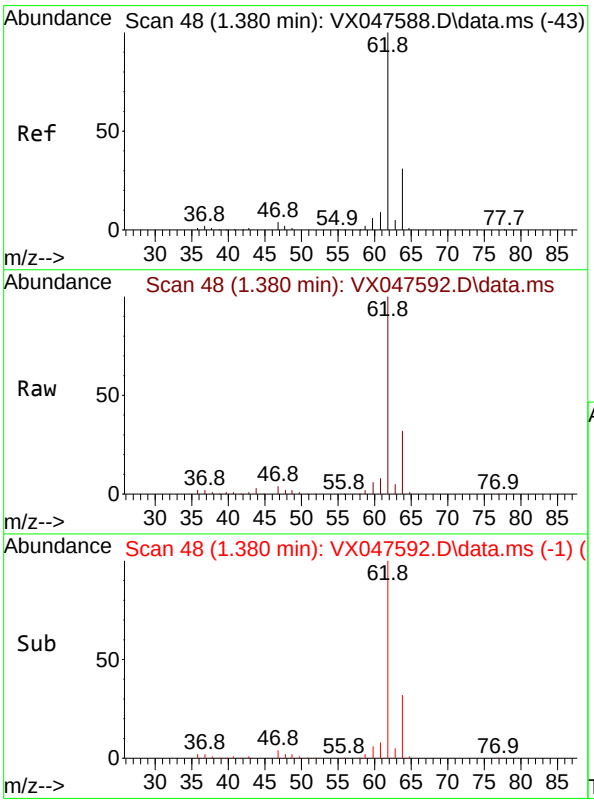
Ion	Ratio	Lower	Upper
50	100		
52	33.0	26.1	39.1



Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Manual Integrations
APPROVED

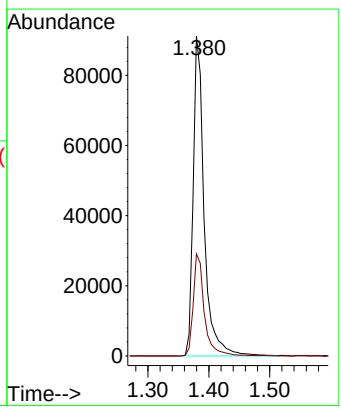
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

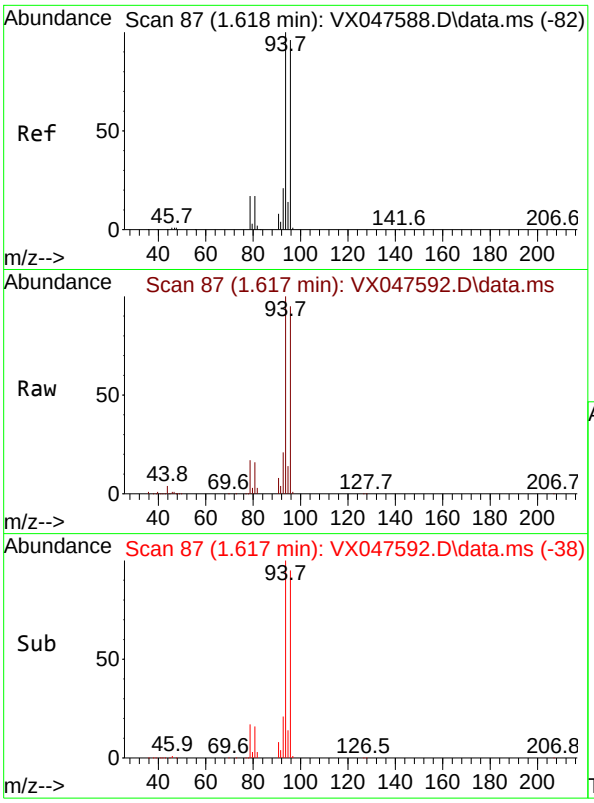


#4
Vinyl Chloride
Concen: 45.783 ug/l
RT: 1.380 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 62 Resp: 113742

Ion	Ratio	Lower	Upper
62	100		
64	31.9	24.9	37.3

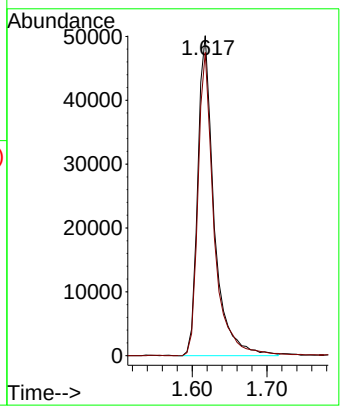




#5
Bromomethane
Concen: 48.489 ug/l
RT: 1.617 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 94 Resp: 7638

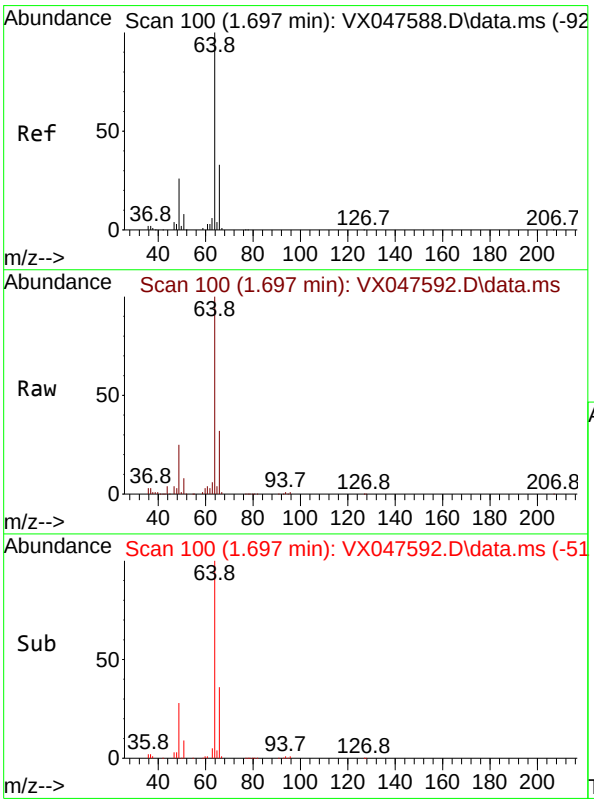
Ion	Ratio	Lower	Upper
94	100		
96	94.7	76.6	115.0



Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Manual Integrations APPROVED

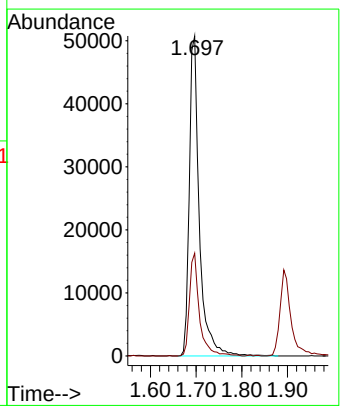
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

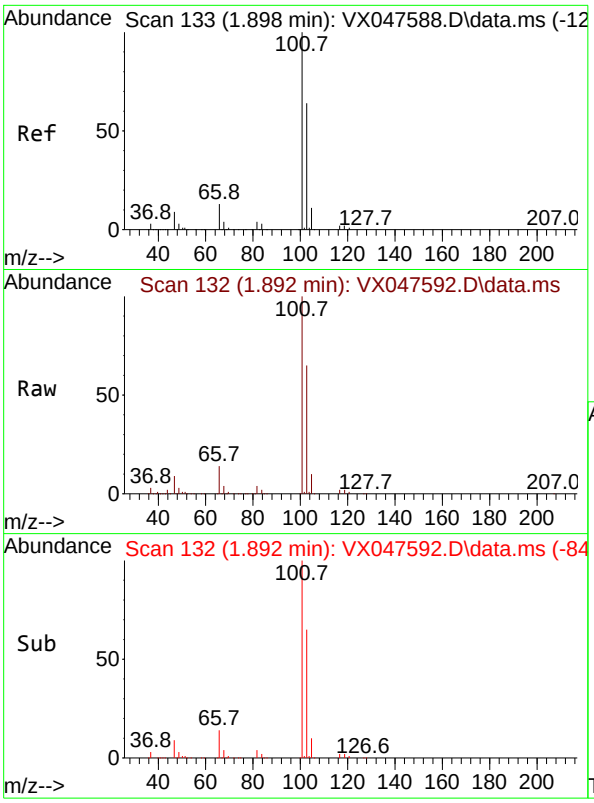


#6
Chloroethane
Concen: 46.575 ug/l
RT: 1.697 min Scan# 100
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 64 Resp: 77337

Ion	Ratio	Lower	Upper
64	100		
66	32.1	26.1	39.1

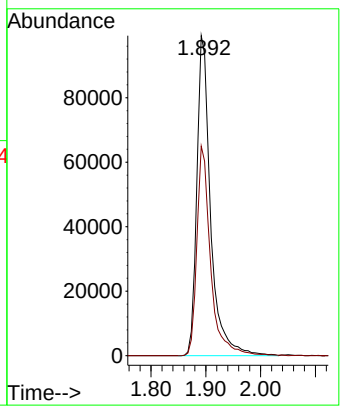




#7
Trichlorofluoromethane
Concen: 47.074 ug/l
RT: 1.892 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:101 Resp: 17364

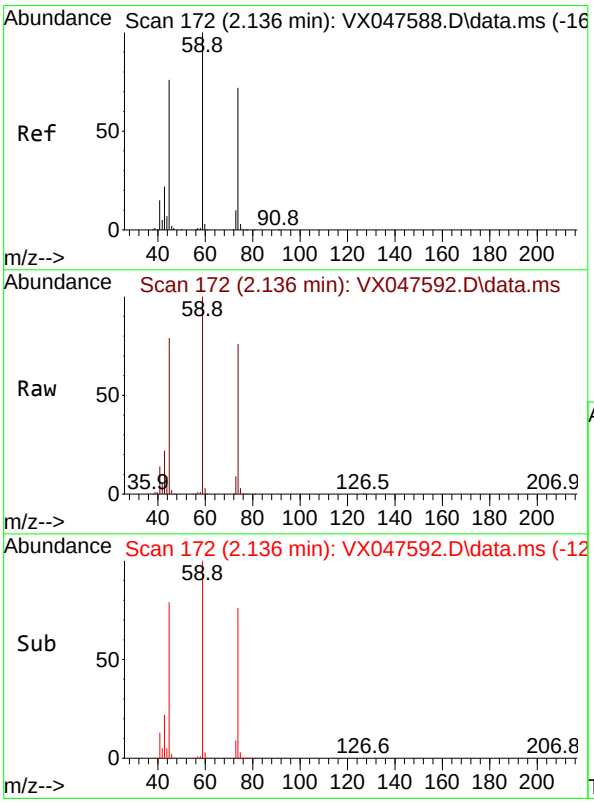
Ion	Ratio	Lower	Upper
101	100		
103	65.5	51.4	77.2



Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Manual Integrations APPROVED

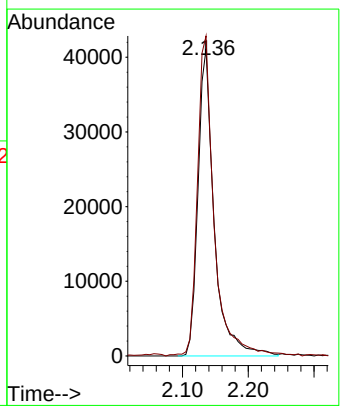
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

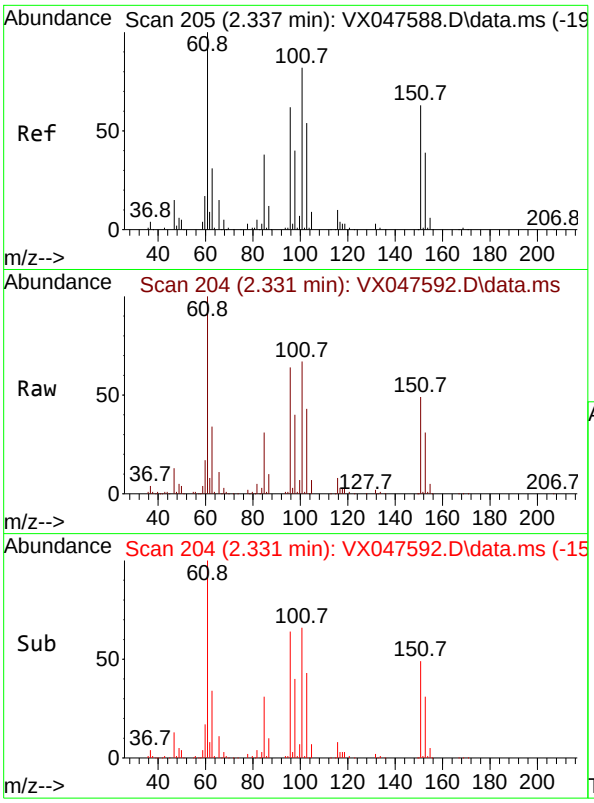


#8
Diethyl Ether
Concen: 46.693 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 74 Resp: 70459

Ion	Ratio	Lower	Upper
74	100		
45	107.1	52.3	156.8

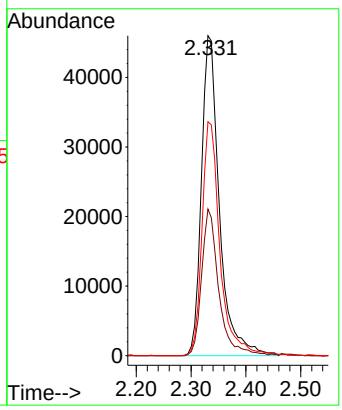




#9
1,1,2-Trichlorotrifluoroethane
Concen: 48.524 ug/l
RT: 2.331 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:101 Resp: 10466

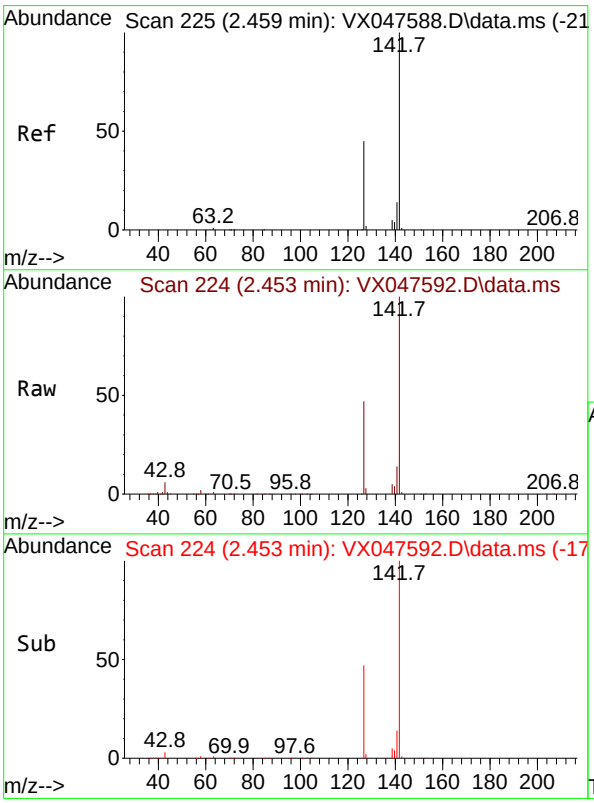
Ion	Ratio	Lower	Upper
101	100		
85	44.1	35.5	53.3
151	73.3	59.4	89.0



Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Manual Integrations APPROVED

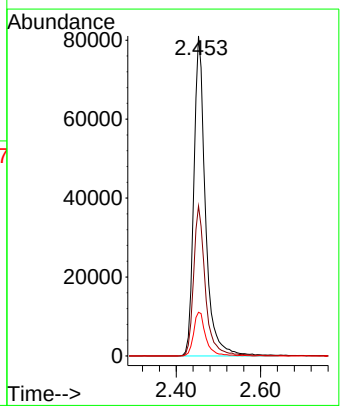
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

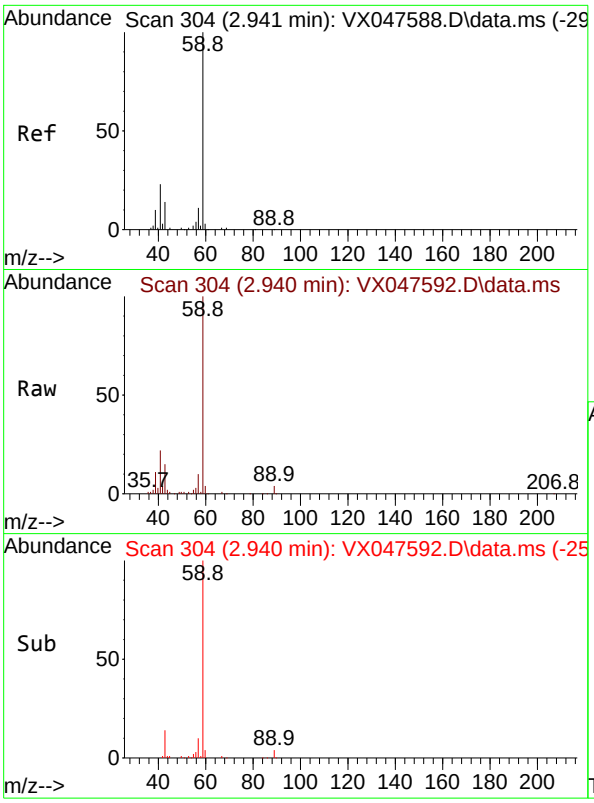


#10
Methyl Iodide
Concen: 46.210 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:142 Resp: 155450

Ion	Ratio	Lower	Upper
142	100		
127	47.6	37.2	55.8
141	14.4	11.4	17.0

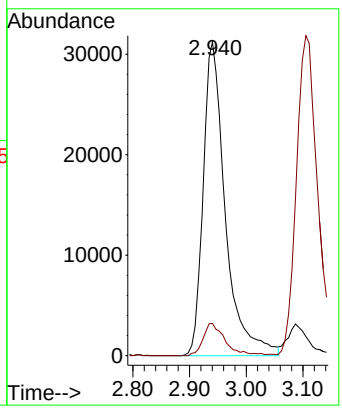




#11
Tert butyl alcohol
Concen: 256.271 ug/l
RT: 2.940 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 59 Resp: 8472

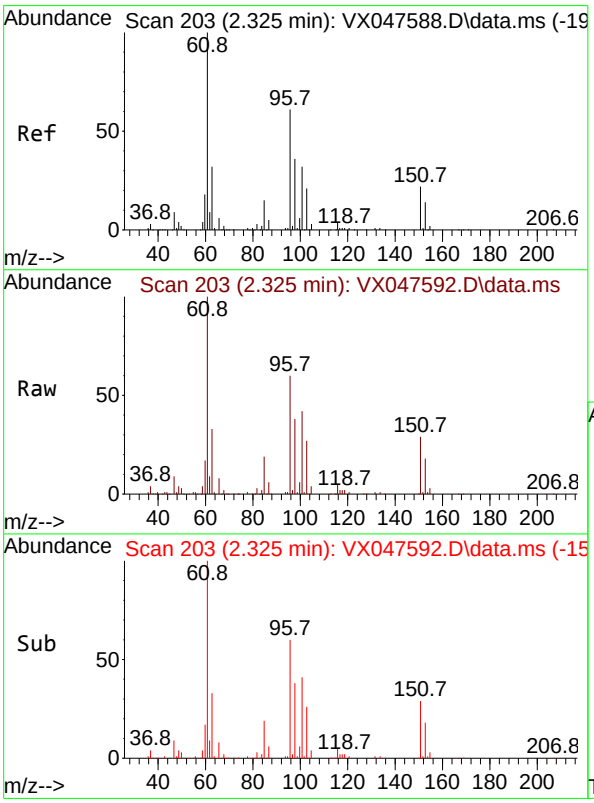
Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.3	12.5



Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Manual Integrations
APPROVED

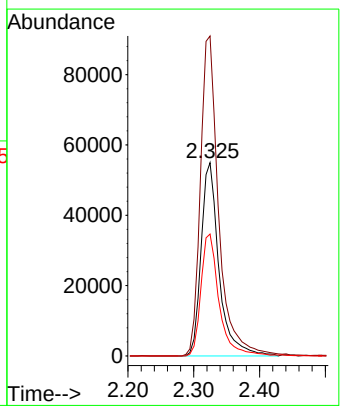
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

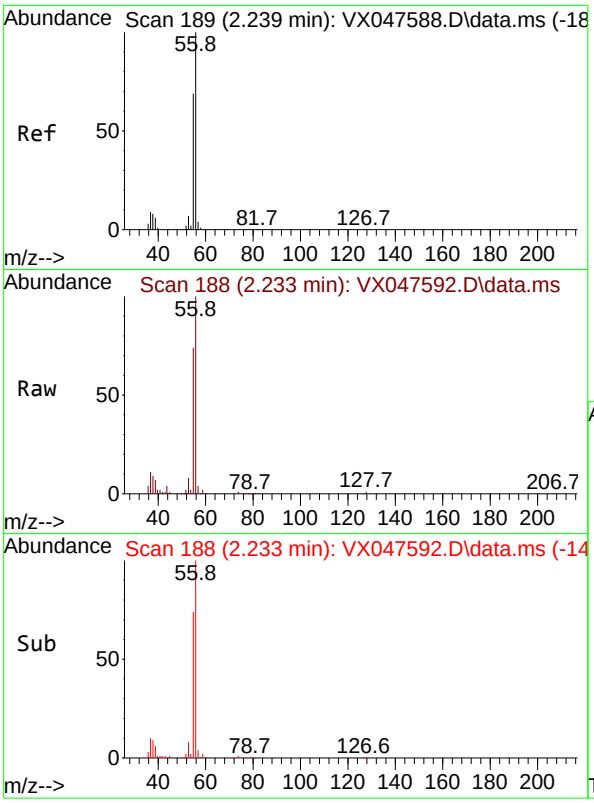


#12
1,1-Dichloroethene
Concen: 47.076 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 96 Resp: 104302

Ion	Ratio	Lower	Upper
96	100		
61	165.6	131.0	196.6
98	63.1	47.7	71.5

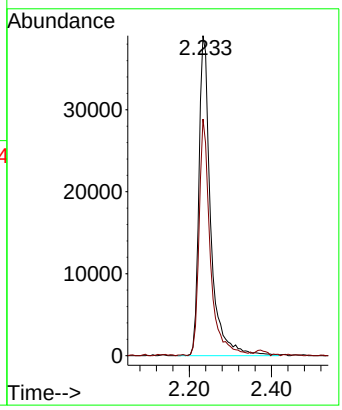




#13
Acrolein
Concen: 254.867 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 56 Resp: 7764

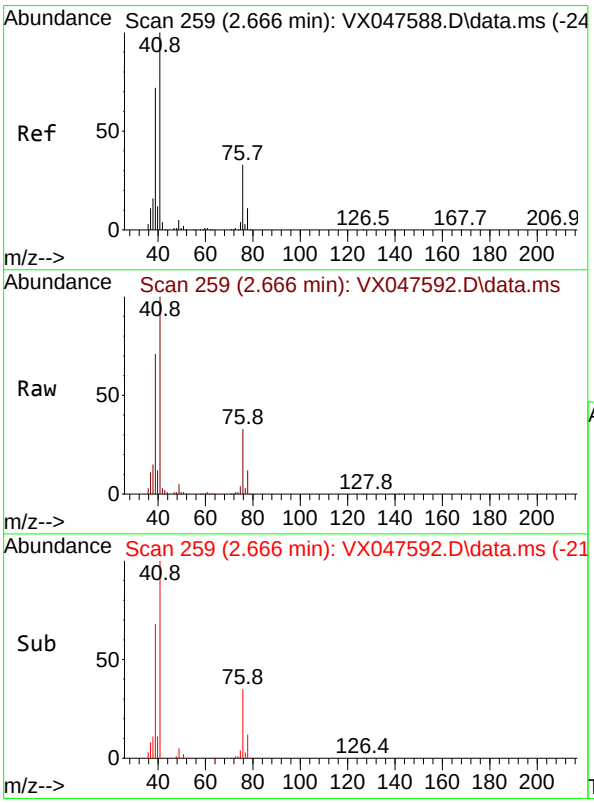
Ion	Ratio	Lower	Upper
56	100		
55	70.3	57.2	85.8



Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Manual Integrations APPROVED

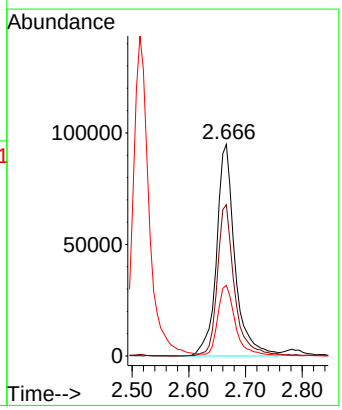
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

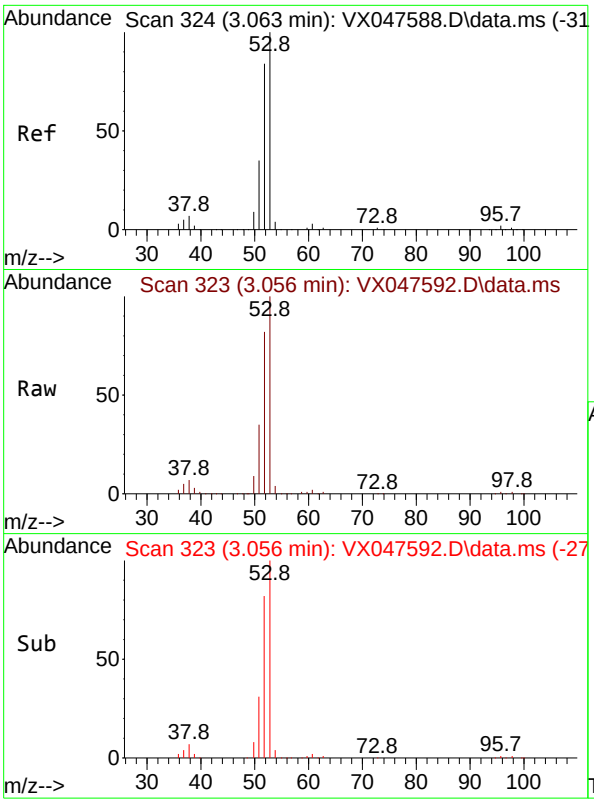


#14
Allyl chloride
Concen: 46.742 ug/l
RT: 2.666 min Scan# 259
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 41 Resp: 213704

Ion	Ratio	Lower	Upper
41	100		
39	67.2	54.7	82.1
76	31.7	25.7	38.5

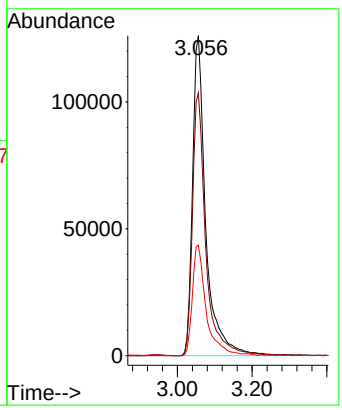




#15
Acrylonitrile
Concen: 253.567 ug/l
RT: 3.056 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 53 Resp: 31050

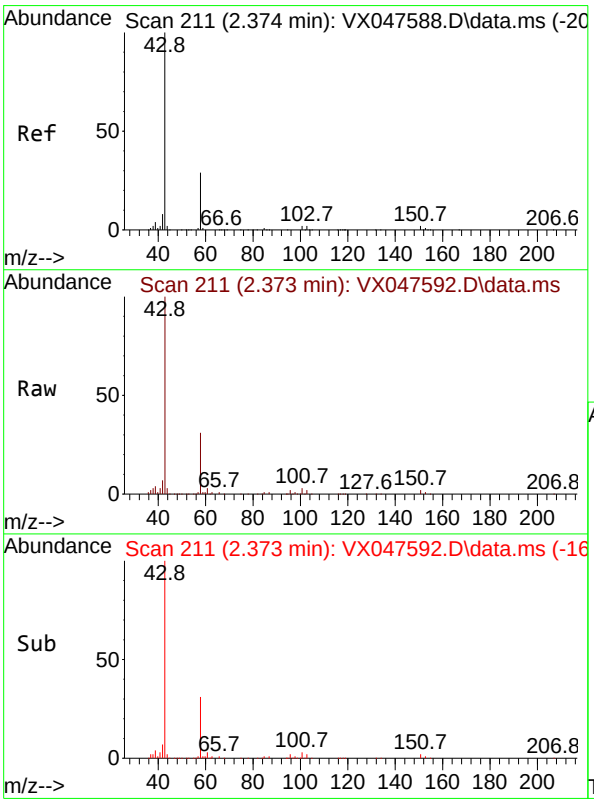
Ion	Ratio	Lower	Upper
53	100		
52	82.6	66.4	99.6
51	36.2	29.5	44.3



Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Manual Integrations APPROVED

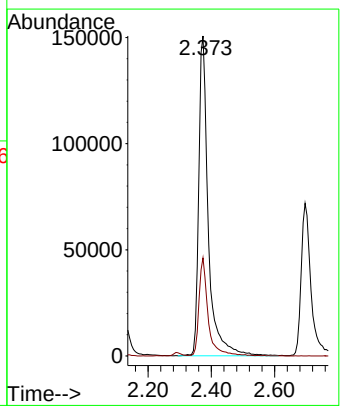
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

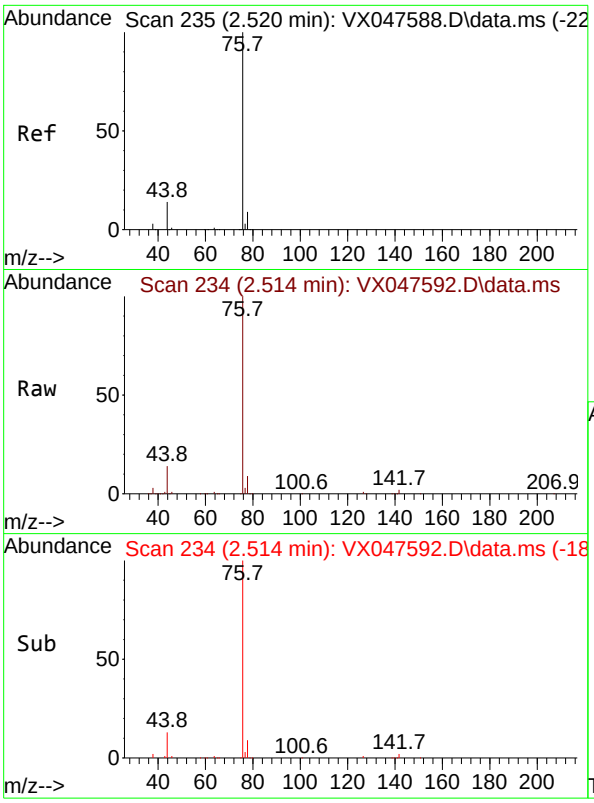


#16
Acetone
Concen: 245.006 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 43 Resp: 316217

Ion	Ratio	Lower	Upper
43	100		
58	30.6	23.4	35.0

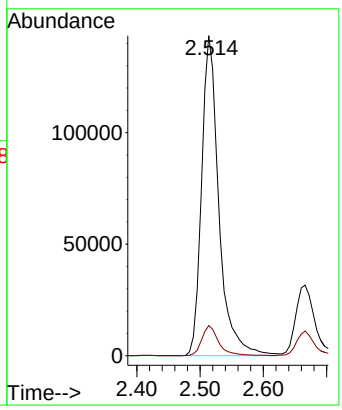




#17
Carbon Disulfide
Concen: 44.966 ug/l
RT: 2.514 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 76 Resp: 27274

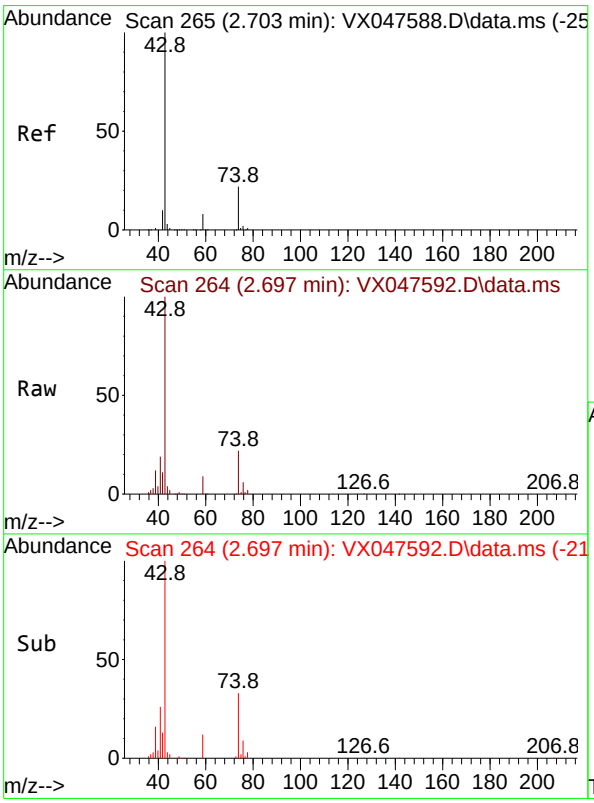
Ion	Ratio	Lower	Upper
76	100		
78	9.6	6.8	10.2



Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Manual Integrations APPROVED

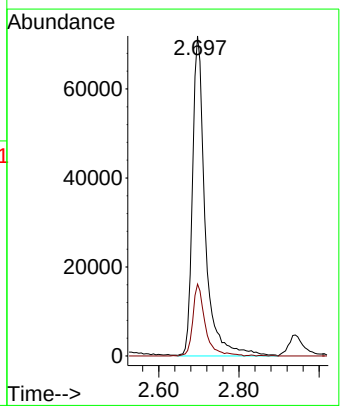
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

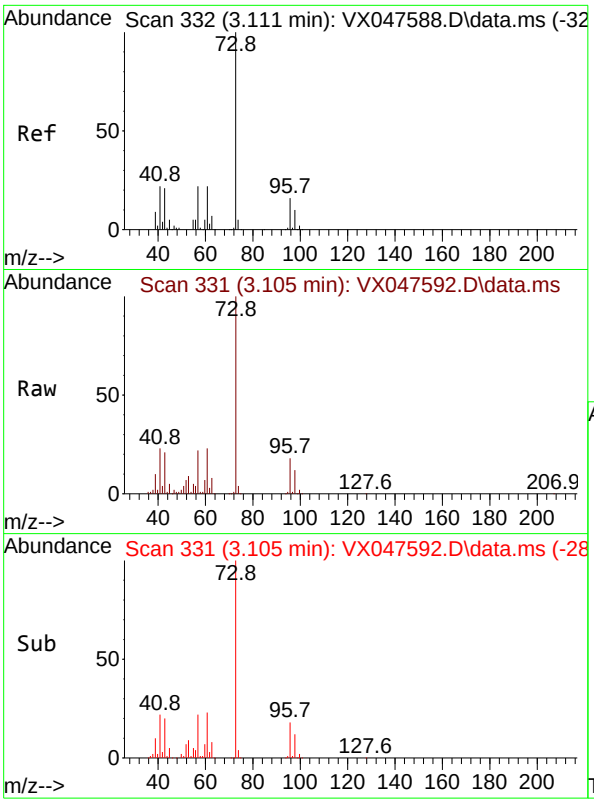


#18
Methyl Acetate
Concen: 55.175 ug/l
RT: 2.697 min Scan# 264
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 43 Resp: 158480

Ion	Ratio	Lower	Upper
43	100		
74	21.8	17.4	26.2

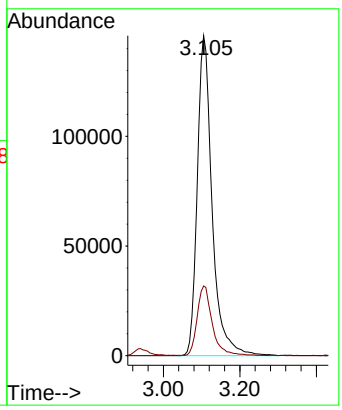




#19
Methyl tert-butyl Ether
Concen: 48.538 ug/l
RT: 3.105 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 73 Resp: 39257

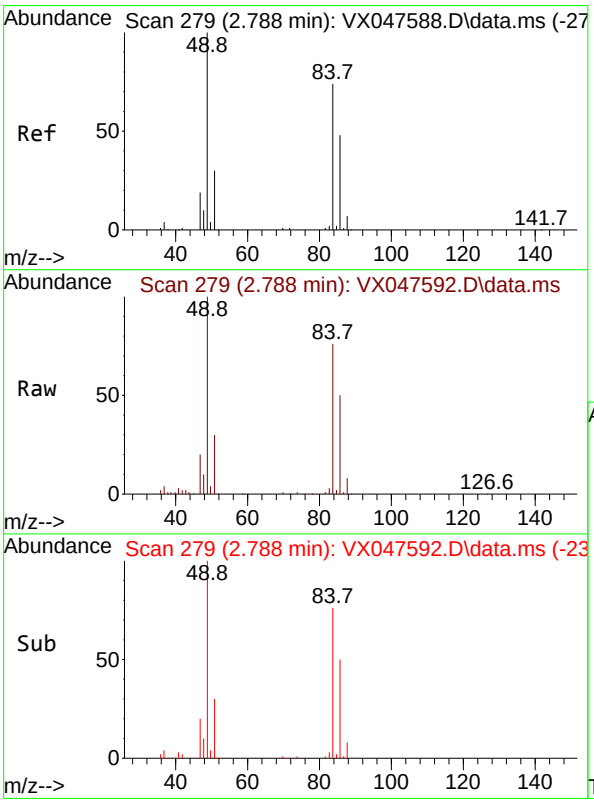
Ion	Ratio	Lower	Upper
73	100		
57	21.7	17.4	26.2



Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Manual Integrations
APPROVED

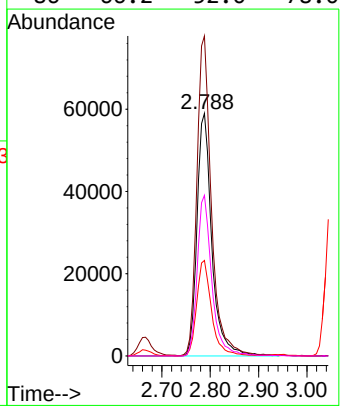
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

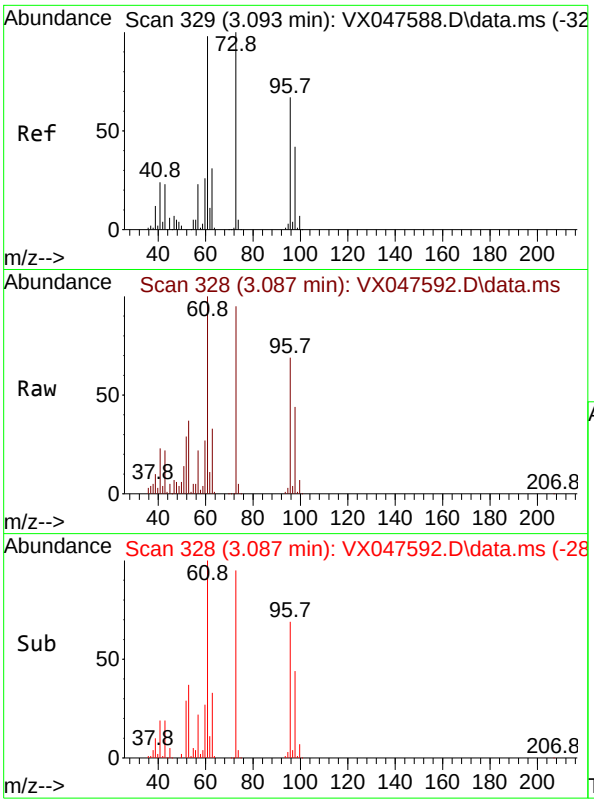


#20
Methylene Chloride
Concen: 46.000 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 84 Resp: 125669

Ion	Ratio	Lower	Upper
84	100		
49	131.8	108.6	162.8
51	39.4	32.6	48.8
86	66.2	52.0	78.0

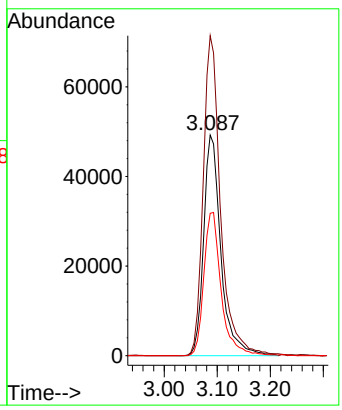




#21
trans-1,2-Dichloroethene
Concen: 46.709 ug/l
RT: 3.087 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 96 Resp: 11141

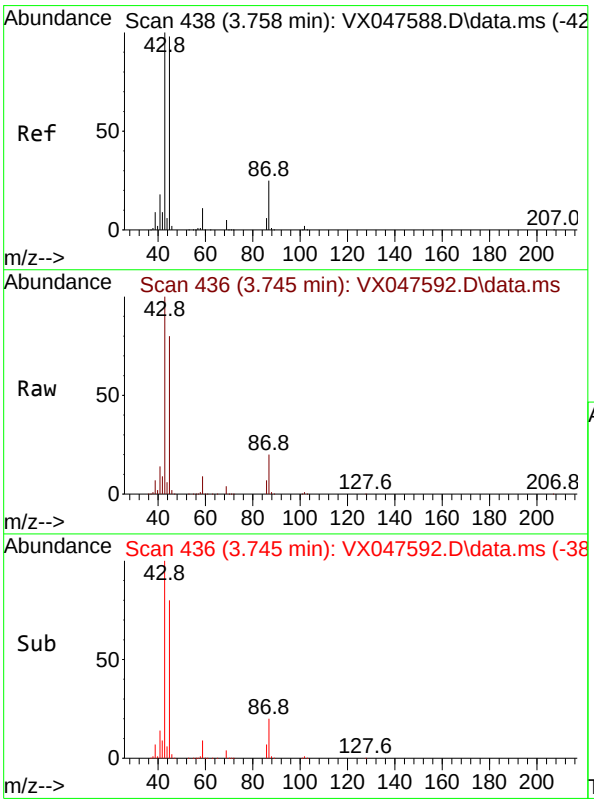
Ion	Ratio	Lower	Upper
96	100		
61	145.1	116.2	174.2
98	64.5	49.3	73.9



Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Manual Integrations
APPROVED

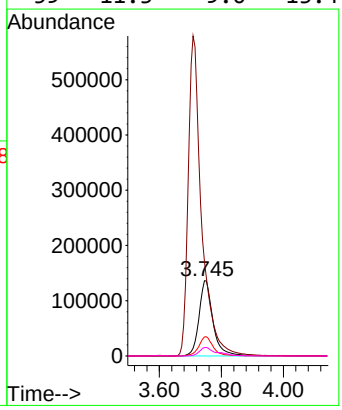
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

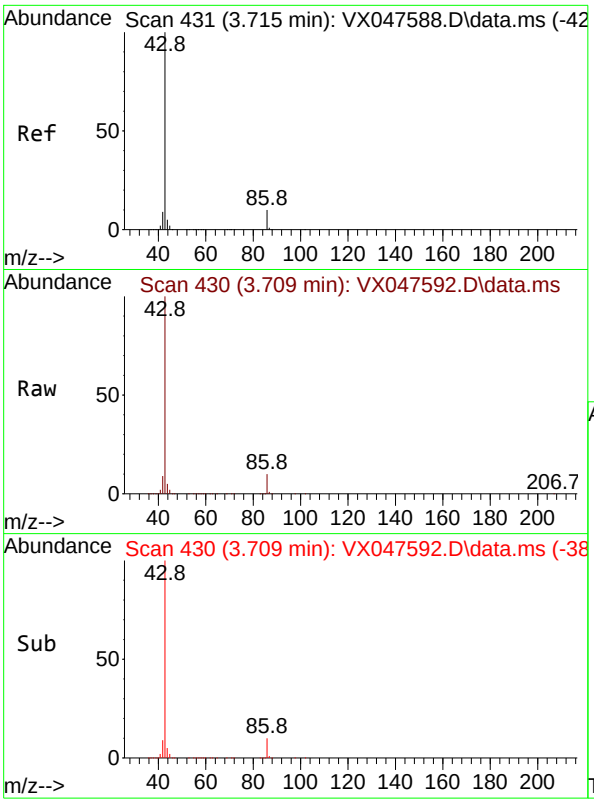


#22
Diisopropyl ether
Concen: 48.174 ug/l
RT: 3.745 min Scan# 436
Delta R.T. -0.012 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 45 Resp: 426854

Ion	Ratio	Lower	Upper
45	100		
43	124.9	81.0	121.4#
87	25.2	20.3	30.5
59	11.3	9.0	13.4

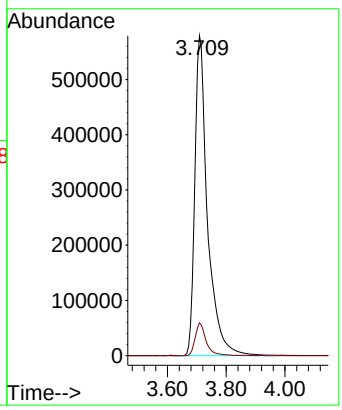




#23
Vinyl Acetate
Concen: 245.539 ug/l
RT: 3.709 min Scan# 4
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 43 Resp: 174126

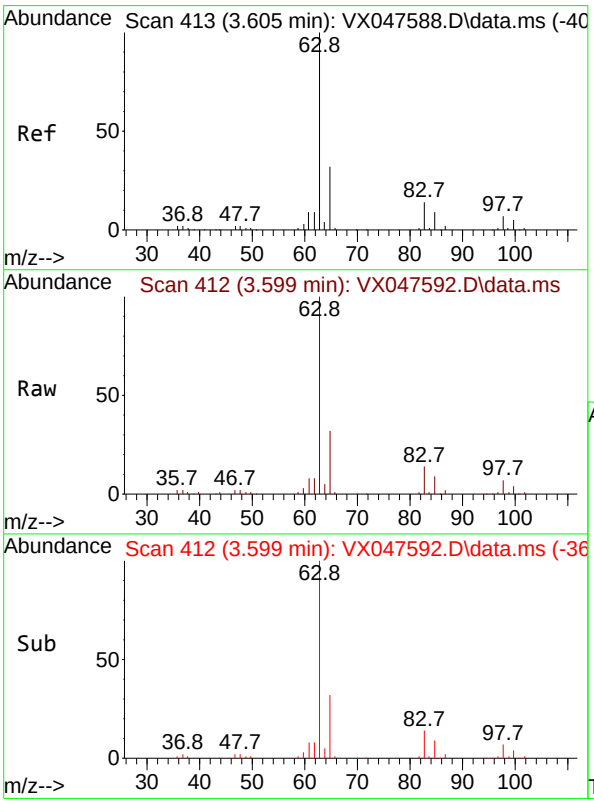
Ion	Ratio	Lower	Upper
43	100		
86	10.2	7.8	11.8



Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Manual Integrations
APPROVED

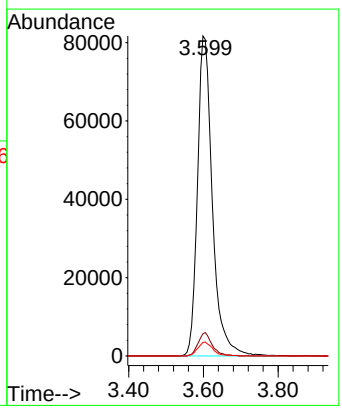
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

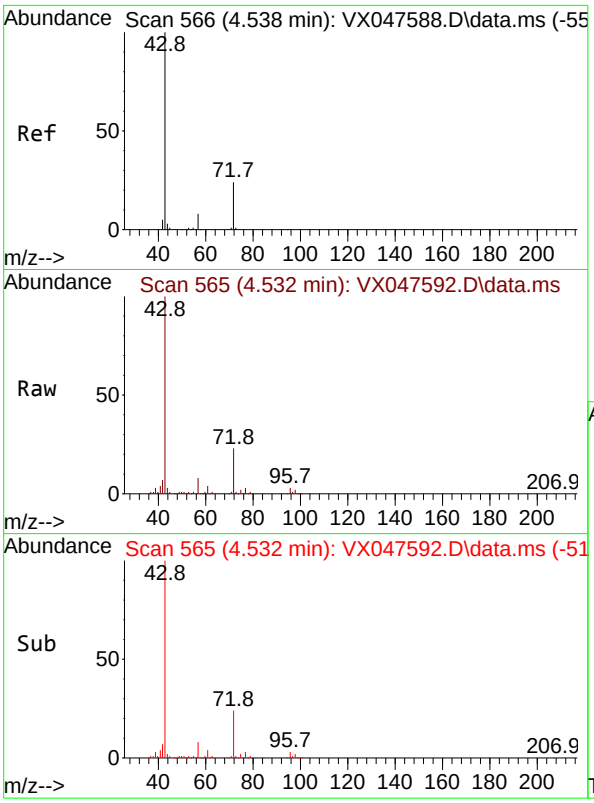


#24
1,1-Dichloroethane
Concen: 48.041 ug/l
RT: 3.599 min Scan# 412
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 63 Resp: 226249

Ion	Ratio	Lower	Upper
63	100		
98	6.9	3.8	11.2
100	4.4	2.3	6.9





#25
2-Butanone
Concen: 253.598 ug/l
RT: 4.532 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

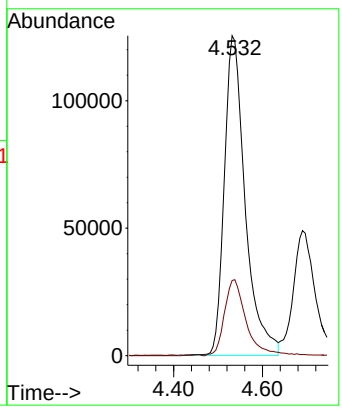
Tgt Ion: 43 Resp: 40827

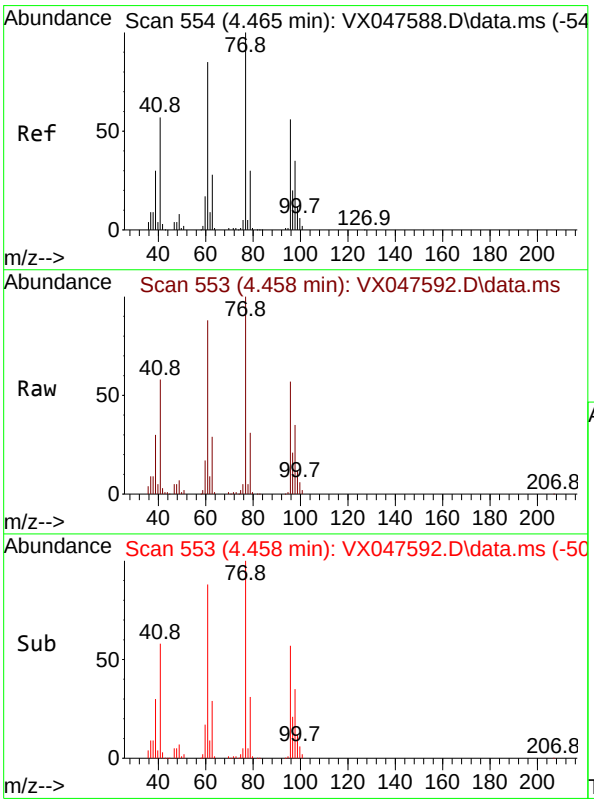
Ion	Ratio	Lower	Upper
43	100		
72	23.5	20.1	30.1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

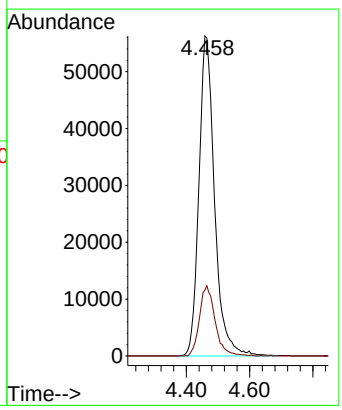


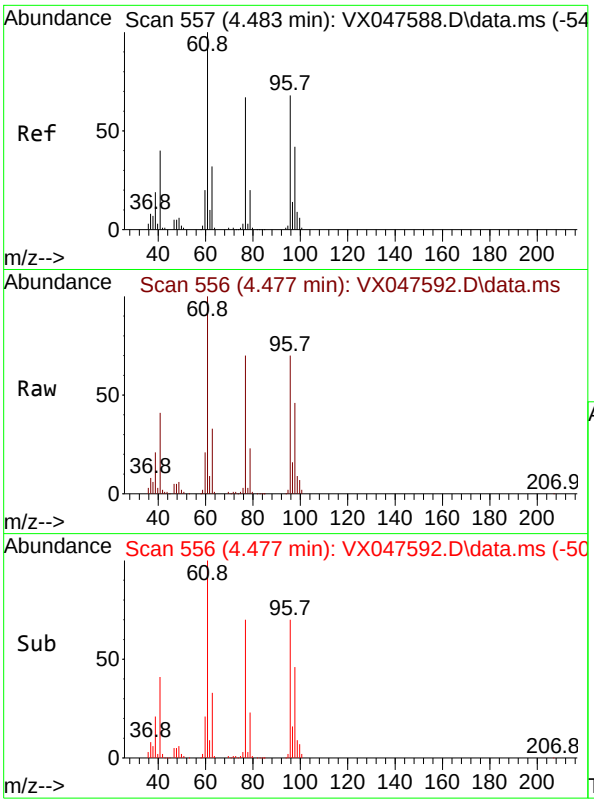


#26
2,2-Dichloropropane
Concen: 49.494 ug/l
RT: 4.458 min Scan# 553
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 77 Resp: 193760

Ion	Ratio	Lower	Upper
77	100		
97	22.0	10.9	32.7

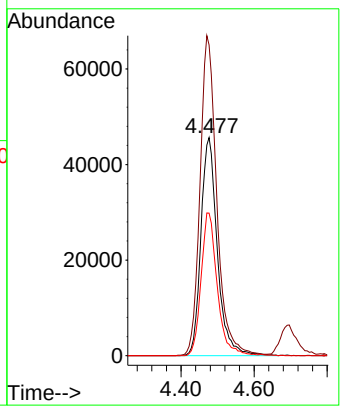




#27
cis-1,2-Dichloroethene
Concen: 48.826 ug/l
RT: 4.477 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 96 Resp: 14263

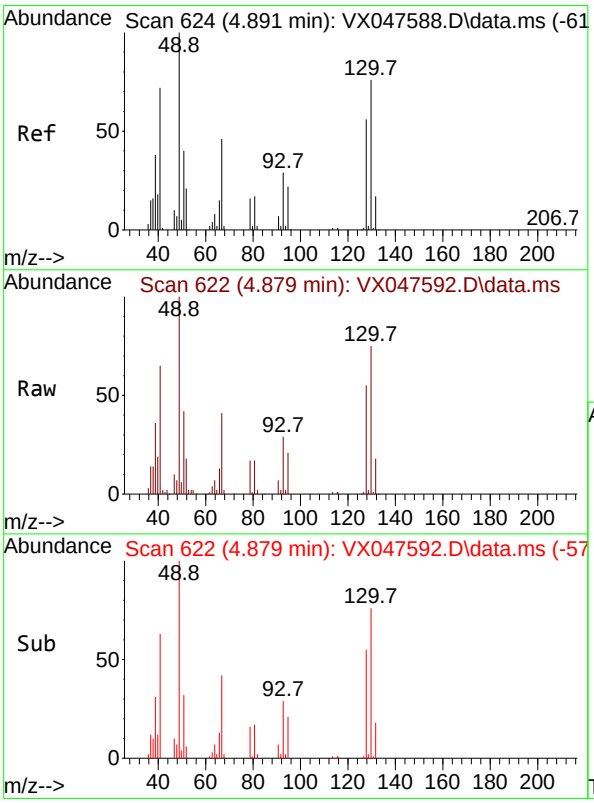
Ion	Ratio	Lower	Upper
96	100		
61	149.7	0.0	303.2
98	64.3	0.0	127.8



Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Manual Integrations
APPROVED

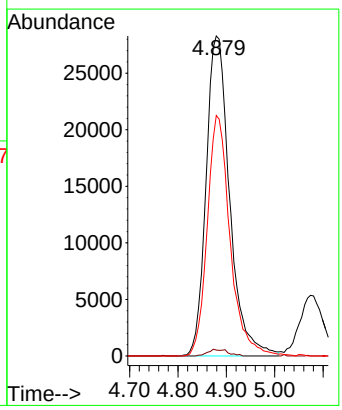
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

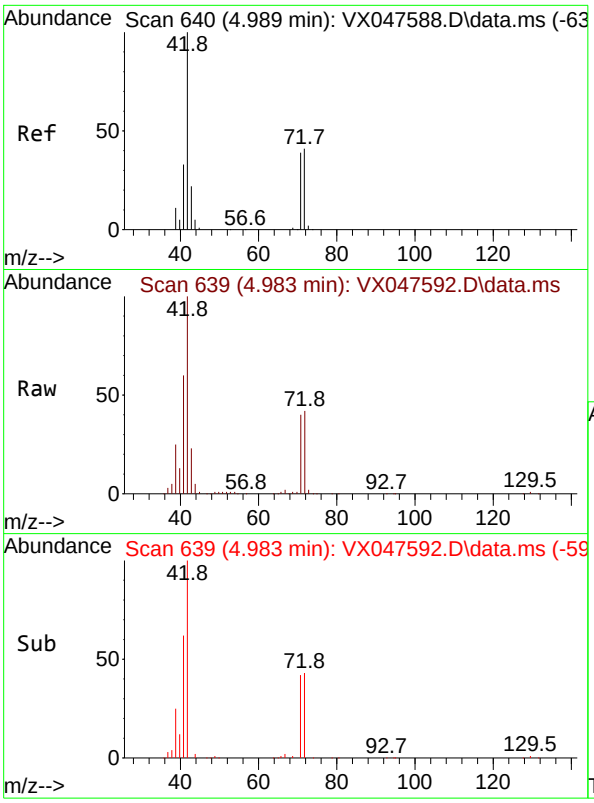


#28
Bromochloromethane
Concen: 46.586 ug/l
RT: 4.879 min Scan# 622
Delta R.T. -0.012 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 49 Resp: 95782

Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.2
130	72.9	57.8	86.8

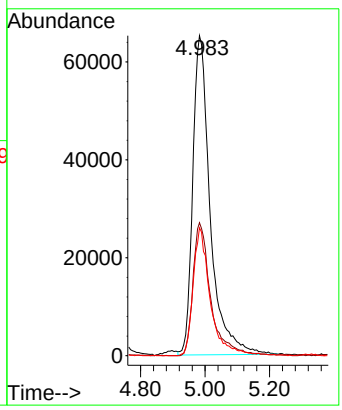




#29
Tetrahydrofuran
Concen: 253.375 ug/l
RT: 4.983 min Scan# 6
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 42 Resp: 24539

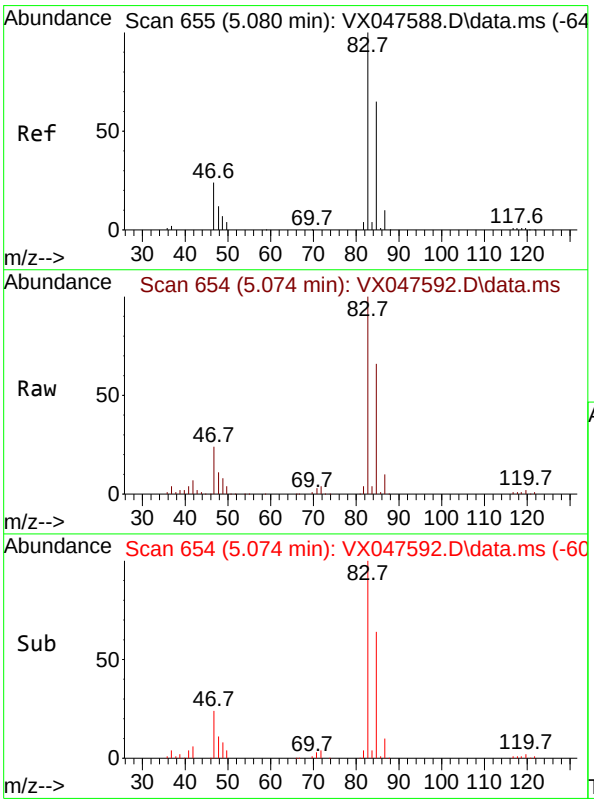
Ion	Ratio	Lower	Upper
42	100		
72	42.7	34.2	51.2
71	38.9	31.9	47.9



Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Manual Integrations
APPROVED

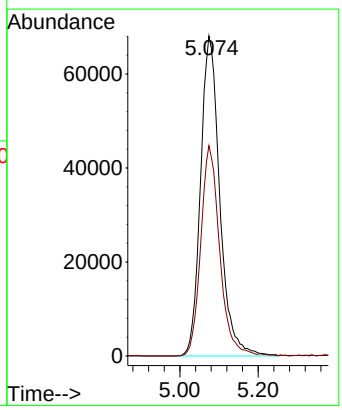
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

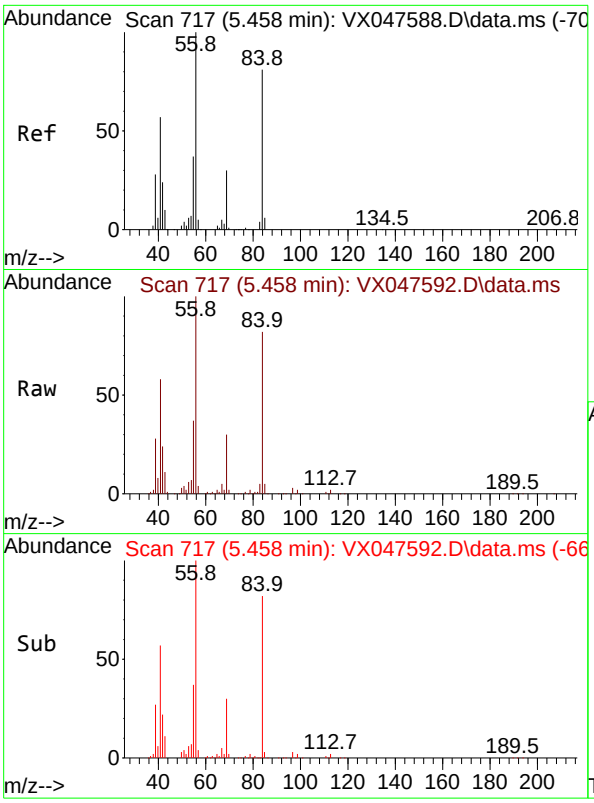


#30
Chloroform
Concen: 48.739 ug/l
RT: 5.074 min Scan# 654
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 83 Resp: 231954

Ion	Ratio	Lower	Upper
83	100		
85	65.6	51.8	77.6

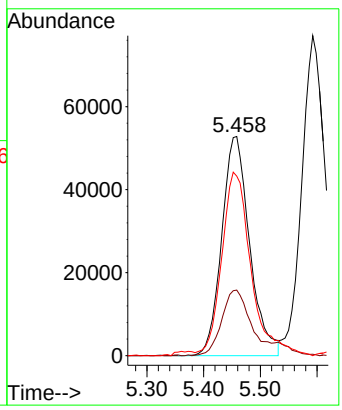




#31
Cyclohexane
Concen: 45.999 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 56 Resp: 18043

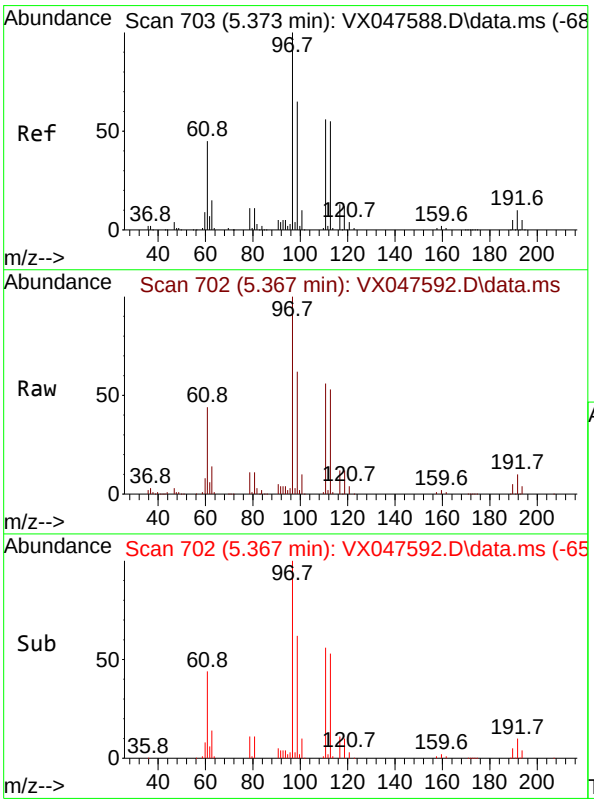
Ion	Ratio	Lower	Upper
56	100		
69	29.6	23.8	35.8
84	80.3	64.6	97.0



Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Manual Integrations
APPROVED

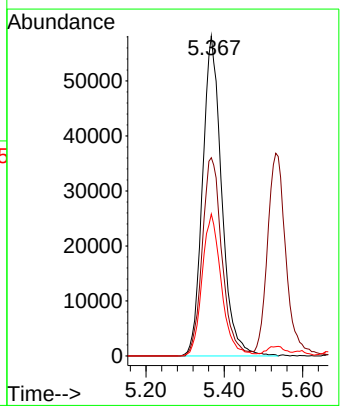
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

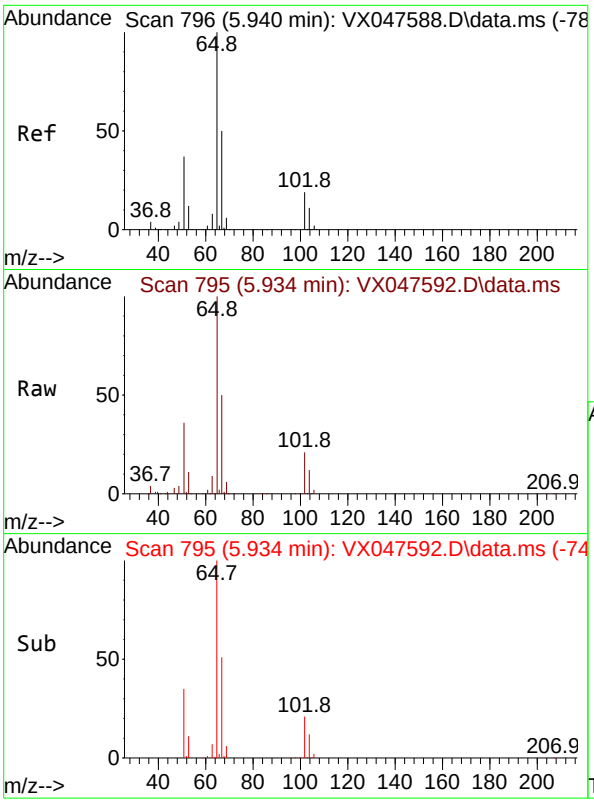


#32
1,1,1-Trichloroethane
Concen: 48.978 ug/l
RT: 5.367 min Scan# 702
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 97 Resp: 197711

Ion	Ratio	Lower	Upper
97	100		
99	63.5	50.6	76.0
61	44.6	35.8	53.8

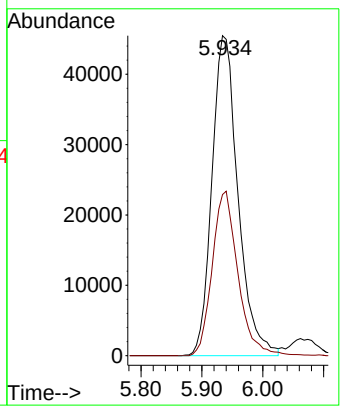




#33
1,2-Dichloroethane-d4
Concen: 45.550 ug/l
RT: 5.934 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 65 Resp: 13520

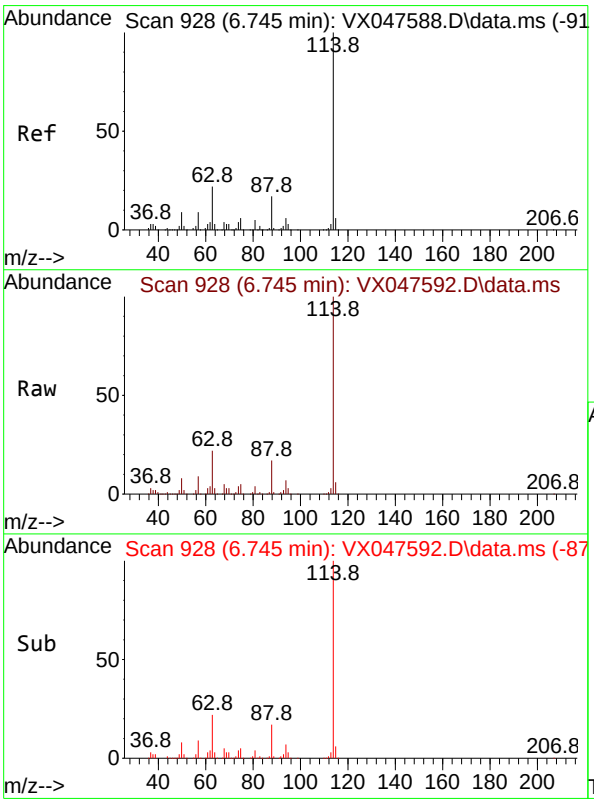
Ion	Ratio	Lower	Upper
65	100		
67	50.8	0.0	103.0



Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Manual Integrations APPROVED

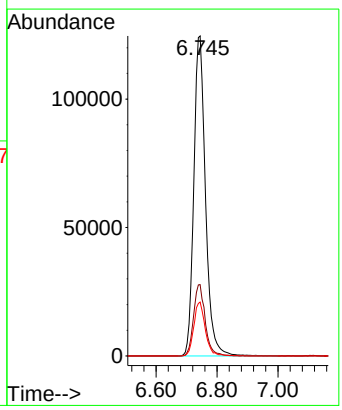
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

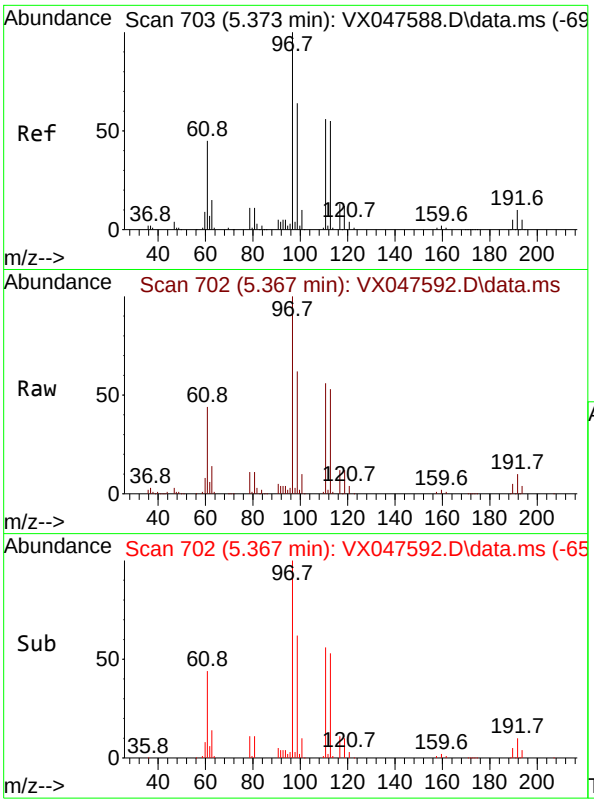


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 928
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:114 Resp: 331837

Ion	Ratio	Lower	Upper
114	100		
63	22.3	0.0	44.0
88	16.8	0.0	34.2

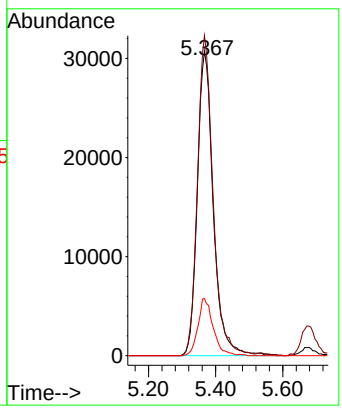




#35
Dibromofluoromethane
Concen: 45.559 ug/l
RT: 5.367 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:113 Resp: 10139

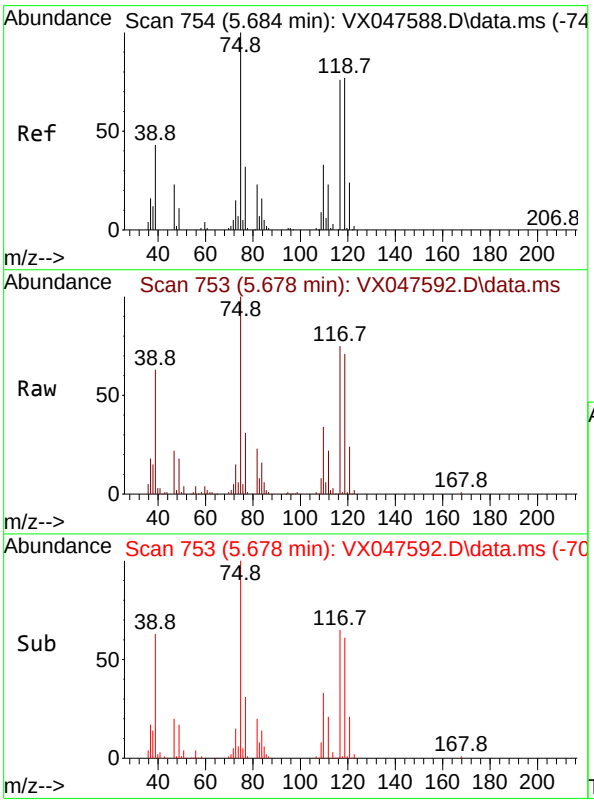
Ion	Ratio	Lower	Upper
113	100		
111	103.2	80.9	121.3
192	17.9	14.2	21.4



Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Manual Integrations APPROVED

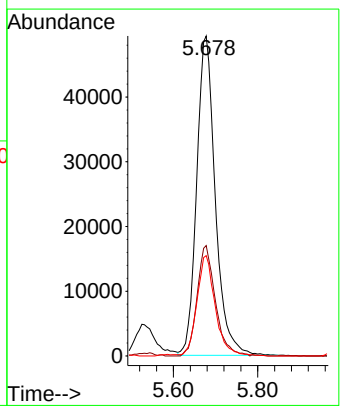
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

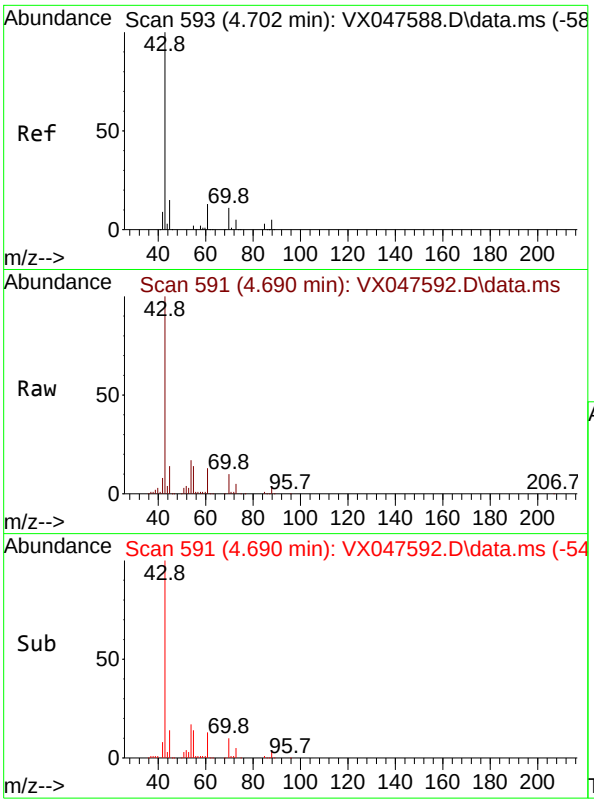


#36
1,1-Dichloropropene
Concen: 46.663 ug/l
RT: 5.678 min Scan# 753
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 75 Resp: 151745

Ion	Ratio	Lower	Upper
75	100		
110	33.9	16.7	50.1
77	31.0	24.3	36.5





#37
Ethyl Acetate
Concen: 49.241 ug/l
RT: 4.690 min Scan# 5
Delta R.T. -0.012 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

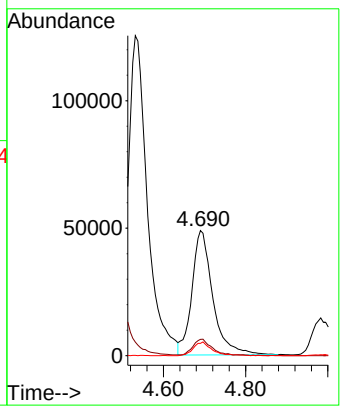
Tgt Ion: 43 Resp: 17145

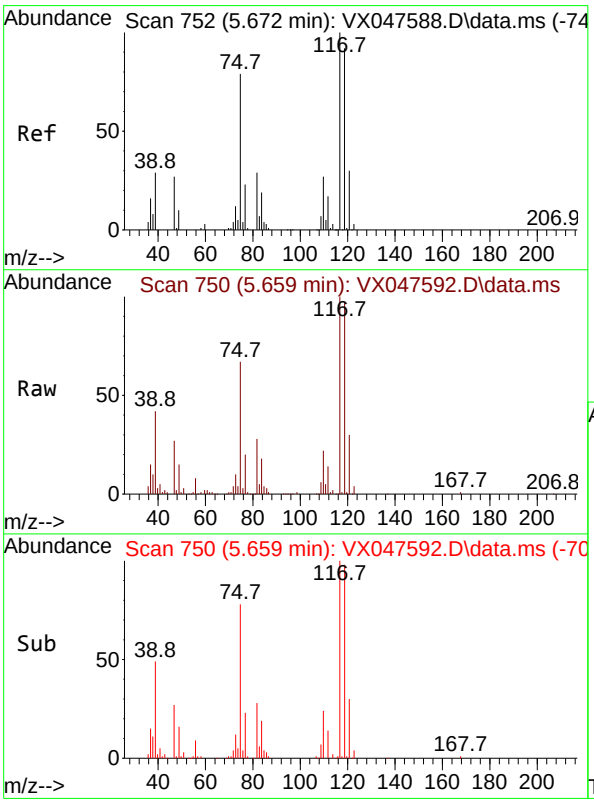
Ion	Ratio	Lower	Upper
43	100		
61	10.8	9.8	14.8
70	9.8	7.9	11.9

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

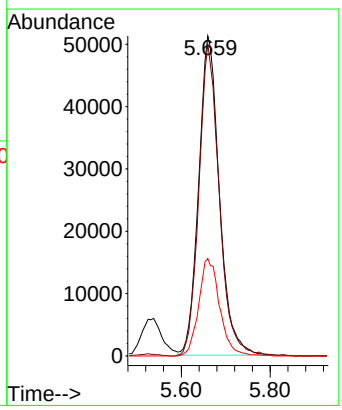


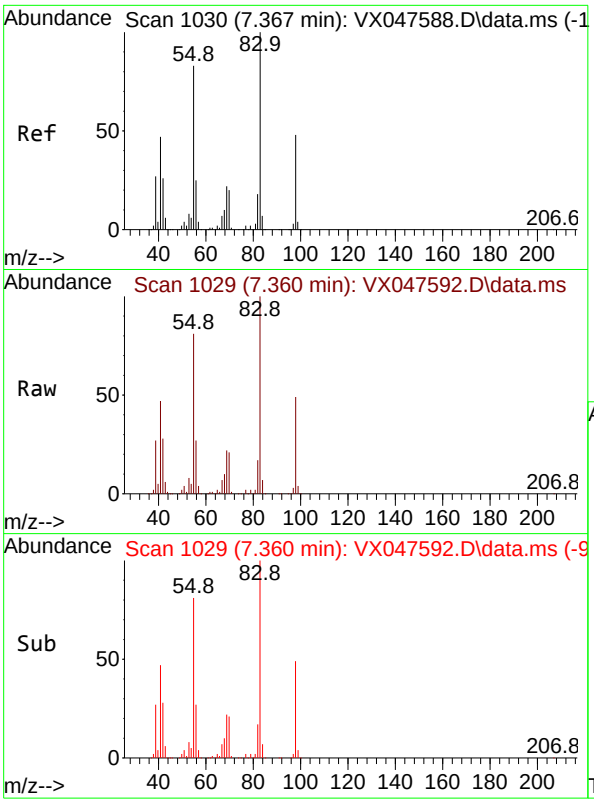


#38
Carbon Tetrachloride
Concen: 46.935 ug/l
RT: 5.659 min Scan# 750
Delta R.T. -0.012 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:117 Resp: 165834

Ion	Ratio	Lower	Upper
117	100		
119	97.6	73.4	110.2
121	30.5	23.8	35.6

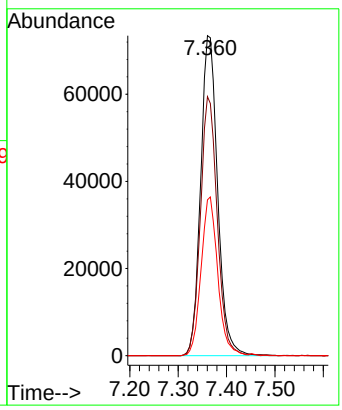




#39
Methylcyclohexane
Concen: 48.597 ug/l
RT: 7.360 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 83 Resp: 17939

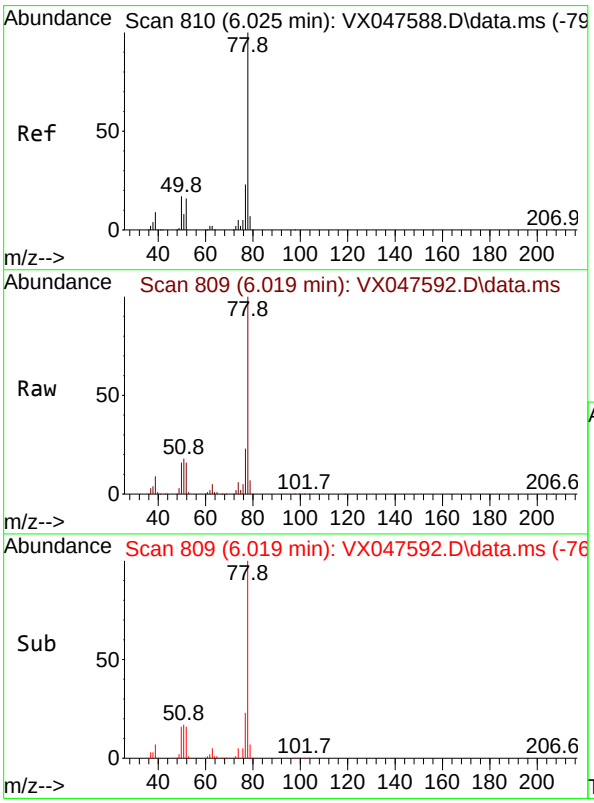
Ion	Ratio	Lower	Upper
83	100		
55	81.0	66.4	99.6
98	48.7	38.1	57.1



Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Manual Integrations APPROVED

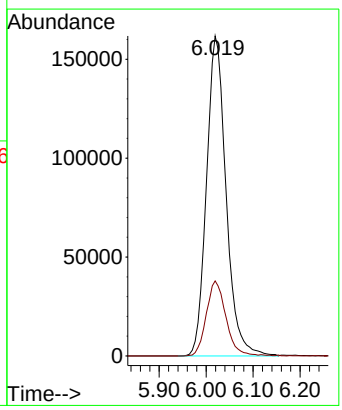
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

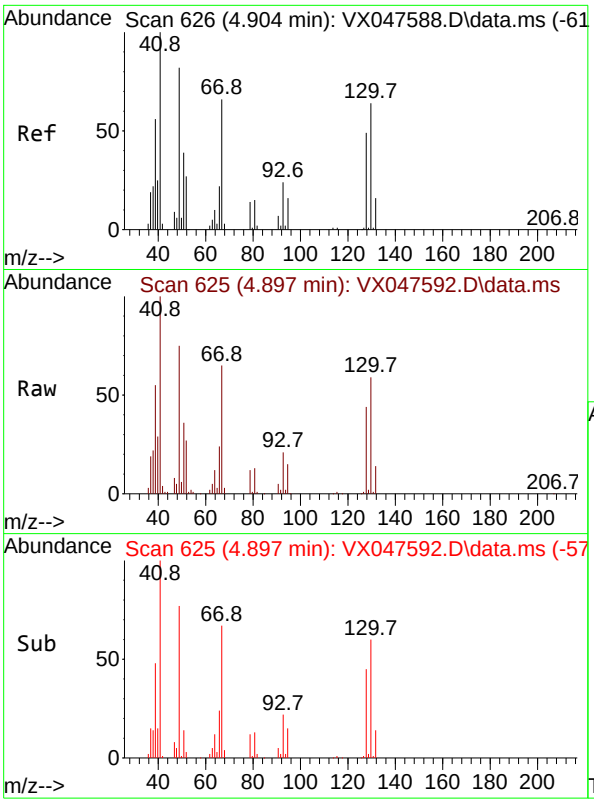


#40
Benzene
Concen: 47.357 ug/l
RT: 6.019 min Scan# 809
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 78 Resp: 467748

Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.8	28.2

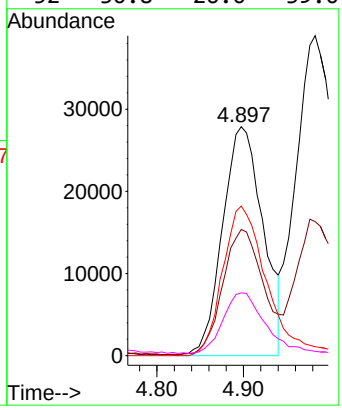




#41
Methacrylonitrile
Concen: 50.490 ug/l
RT: 4.897 min Scan# 6
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 41 Resp: 9075

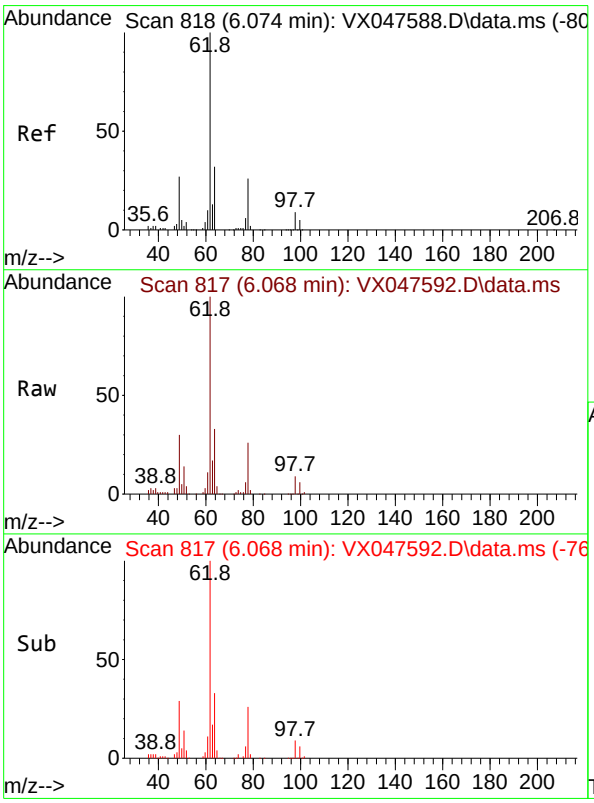
Ion	Ratio	Lower	Upper
41	100		
39	55.9	43.3	64.9
67	72.5	58.6	87.8
52	30.8	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Manual Integrations
APPROVED

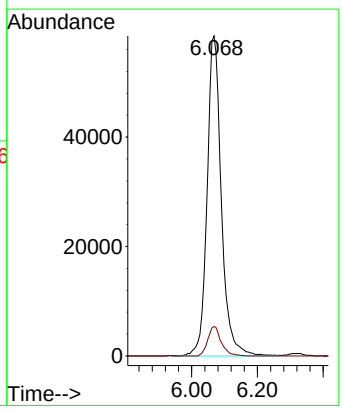
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

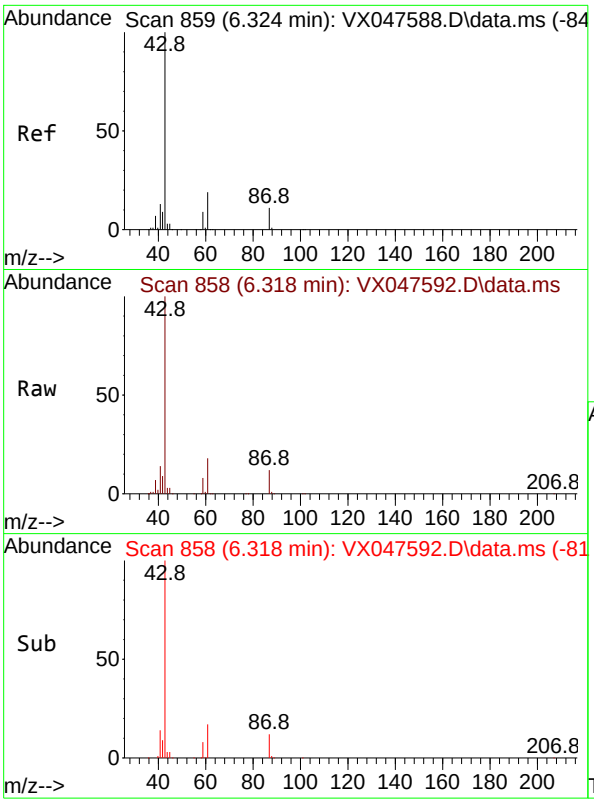


#42
1,2-Dichloroethane
Concen: 46.867 ug/l
RT: 6.068 min Scan# 817
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 62 Resp: 176131

Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	17.0

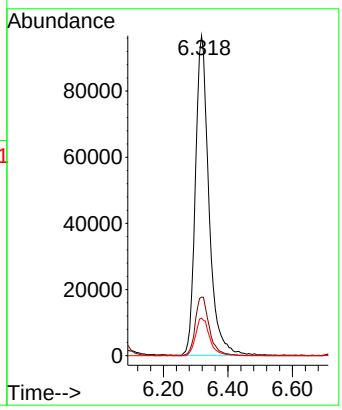




#43
Isopropyl Acetate
Concen: 49.136 ug/l
RT: 6.318 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 43 Resp: 28059

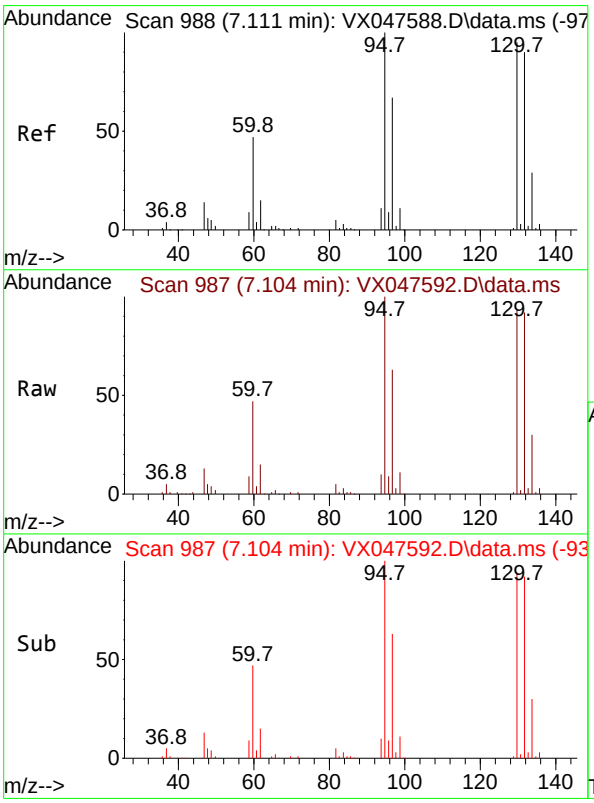
Ion	Ratio	Lower	Upper
43	100		
61	19.1	15.2	22.8
87	12.2	9.6	14.4



Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Manual Integrations APPROVED

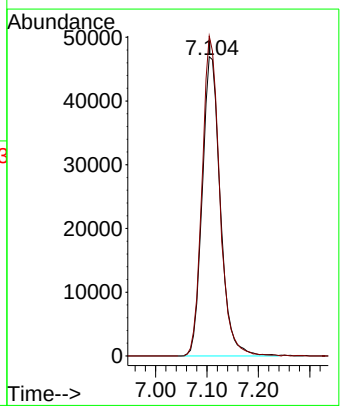
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

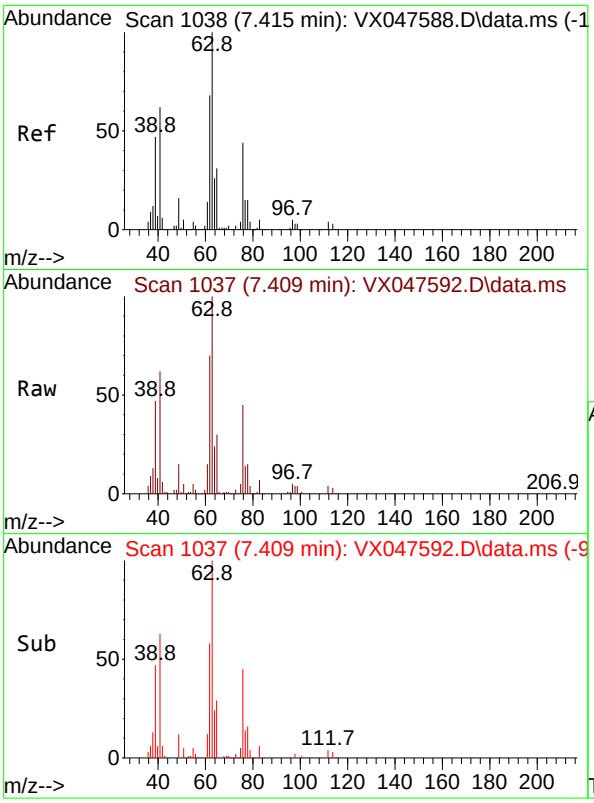


#44
Trichloroethene
Concen: 48.037 ug/l
RT: 7.104 min Scan# 987
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:130 Resp: 114708

Ion	Ratio	Lower	Upper
130	100		
95	107.0	0.0	210.8

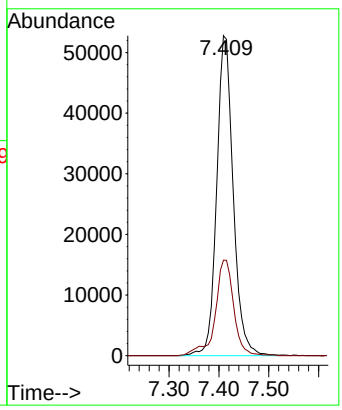




#45
1,2-Dichloropropane
Concen: 48.053 ug/l
RT: 7.409 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 63 Resp: 12153

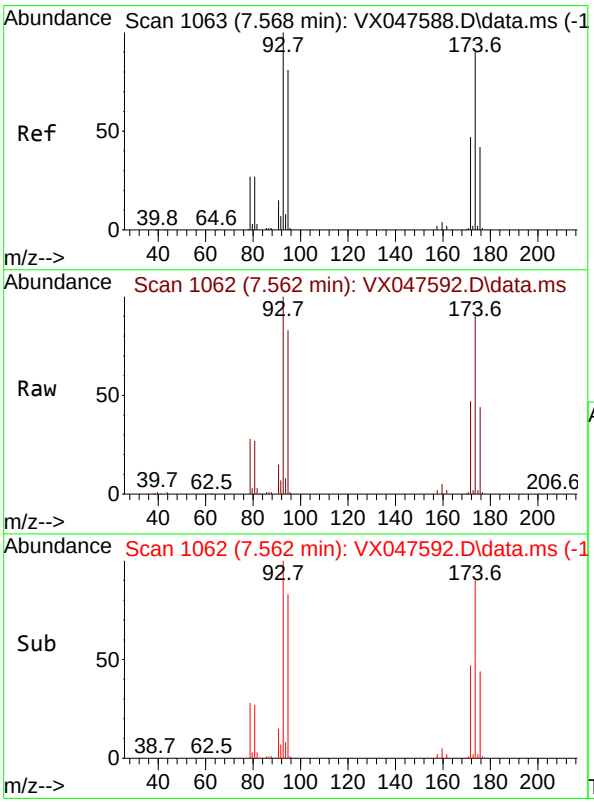
Ion	Ratio	Lower	Upper
63	100		
65	29.8	24.7	37.1



Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Manual Integrations
APPROVED

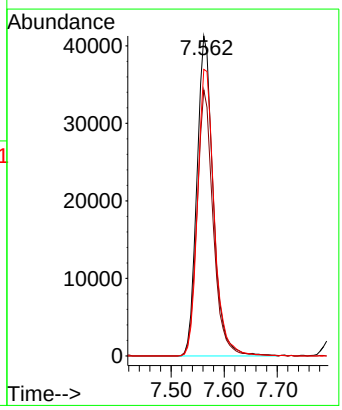
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

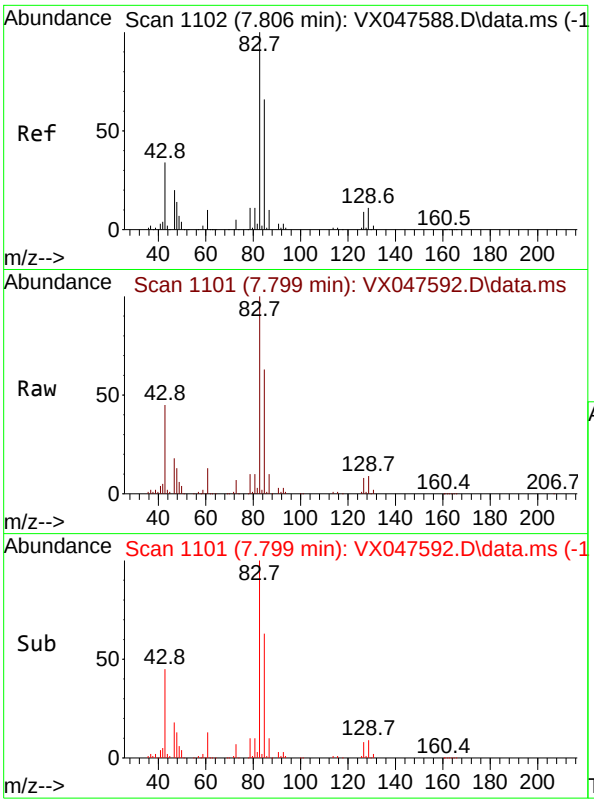


#46
Dibromomethane
Concen: 47.976 ug/l
RT: 7.562 min Scan# 1062
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 93 Resp: 88297

Ion	Ratio	Lower	Upper
93	100		
95	82.3	65.0	97.6
174	91.3	71.6	107.4

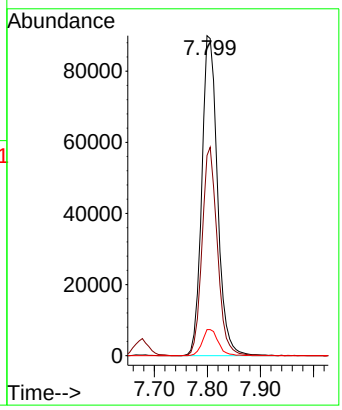




#47
Bromodichloromethane
Concen: 48.769 ug/l
RT: 7.799 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 83 Resp: 18521

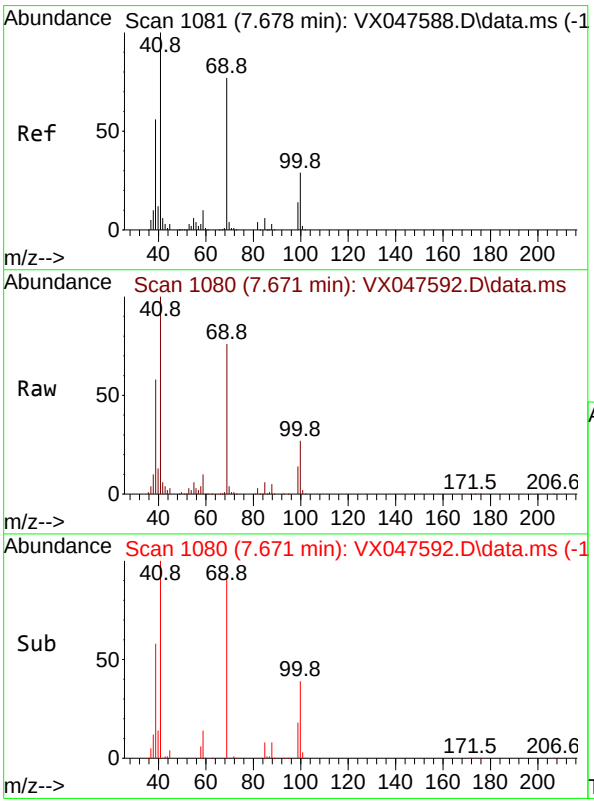
Ion	Ratio	Lower	Upper
83	100		
85	62.5	52.5	78.7
127	8.1	6.9	10.3



Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Manual Integrations APPROVED

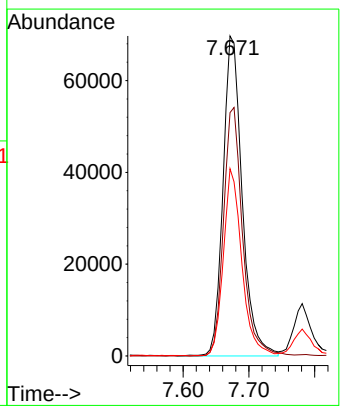
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

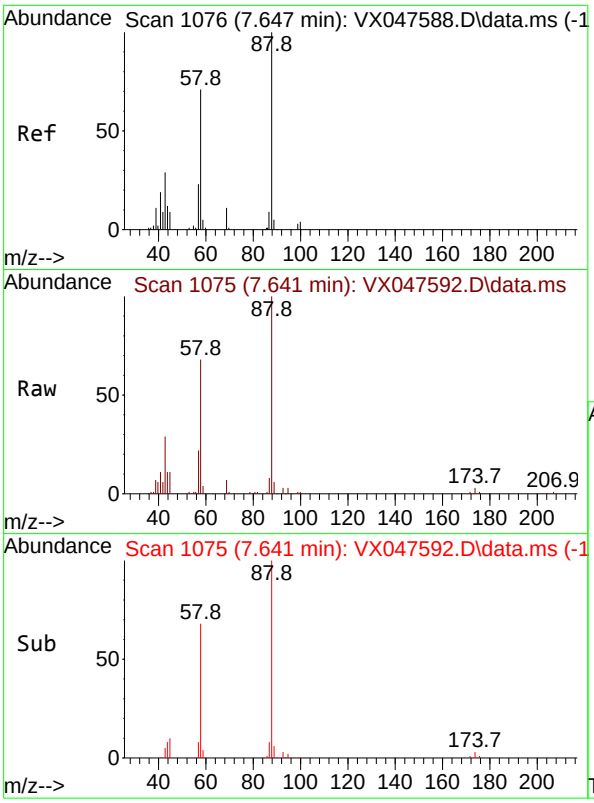


#48
Methyl methacrylate
Concen: 49.757 ug/l
RT: 7.671 min Scan# 1080
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 41 Resp: 141532

Ion	Ratio	Lower	Upper
41	100		
69	77.1	61.4	92.2
39	56.4	45.8	68.6

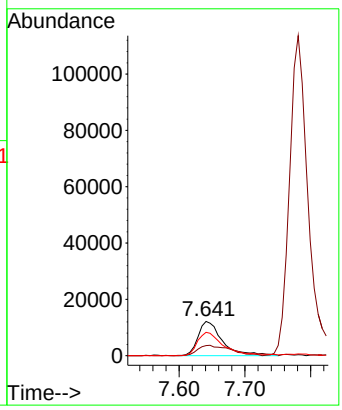




#49
1,4-Dioxane
Concen: 1089.520 ug/l
RT: 7.641 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 88 Resp: 3132

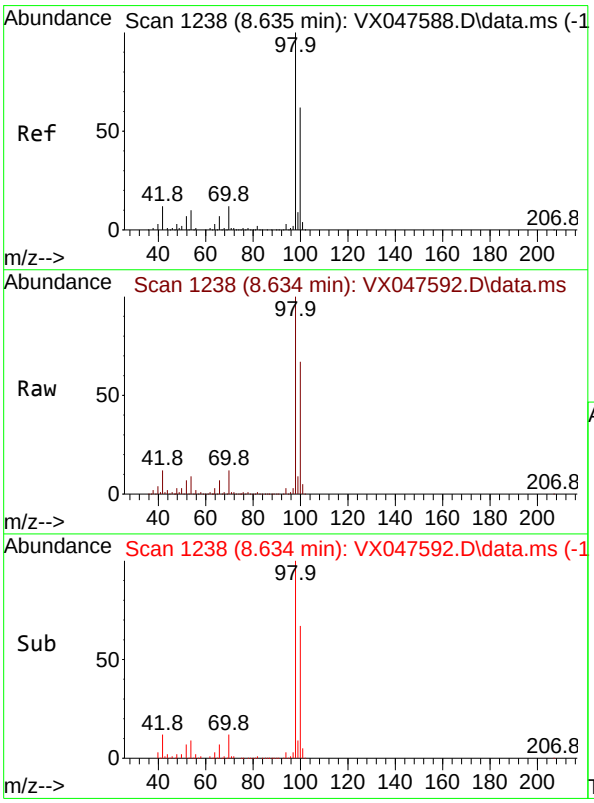
Ion	Ratio	Lower	Upper
88	100		
43	40.9	30.2	45.2
58	74.1	59.5	89.3



Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Manual Integrations
APPROVED

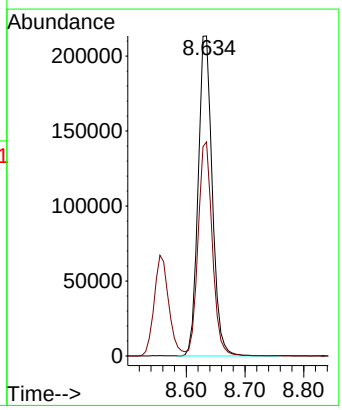
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

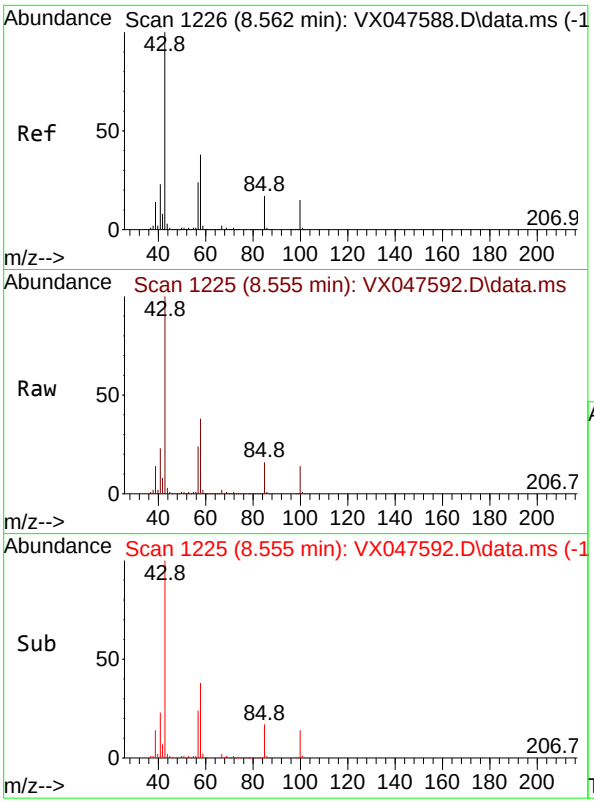


#50
Toluene-d8
Concen: 46.411 ug/l
RT: 8.634 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 98 Resp: 357393

Ion	Ratio	Lower	Upper
98	100		
100	67.2	53.0	79.4

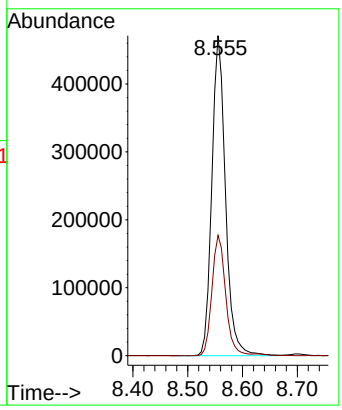




#51
4-Methyl-2-Pentanone
Concen: 255.752 ug/l
RT: 8.555 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 43 Resp: 80975

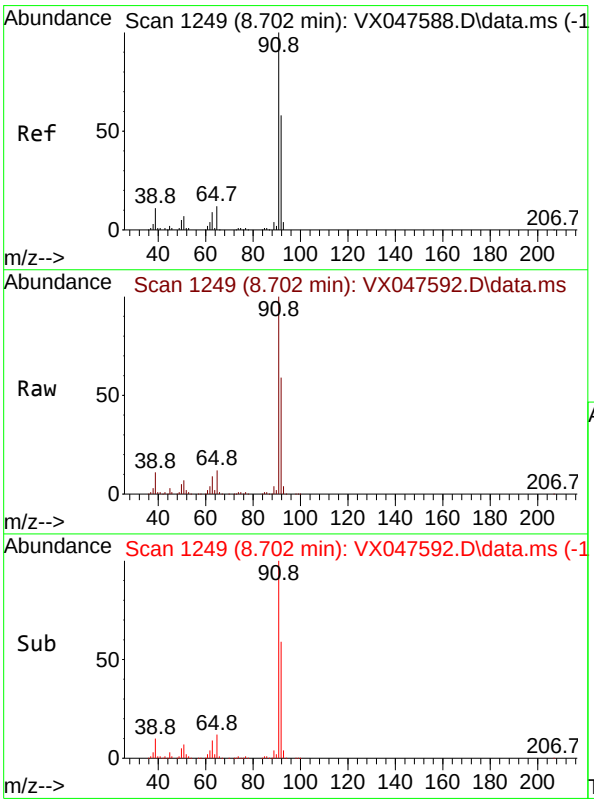
Ion	Ratio	Lower	Upper
43	100		
58	37.9	30.3	45.5



Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Manual Integrations APPROVED

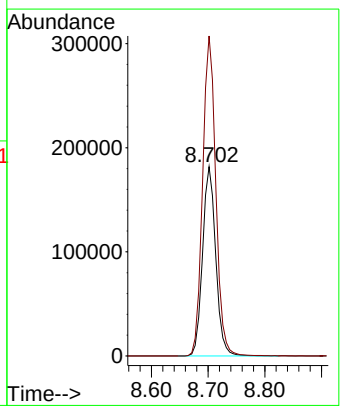
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

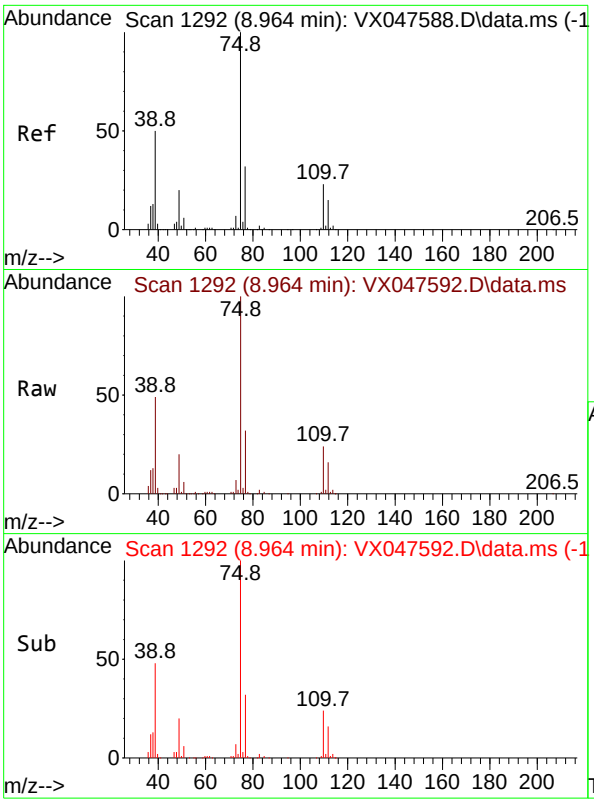


#52
Toluene
Concen: 48.130 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 92 Resp: 292879

Ion	Ratio	Lower	Upper
92	100		
91	169.4	137.1	205.7

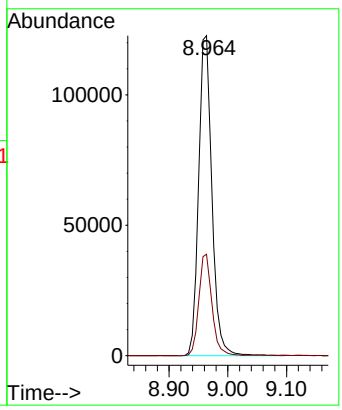




#53
t-1,3-Dichloropropene
Concen: 49.527 ug/l
RT: 8.964 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 75 Resp: 19186

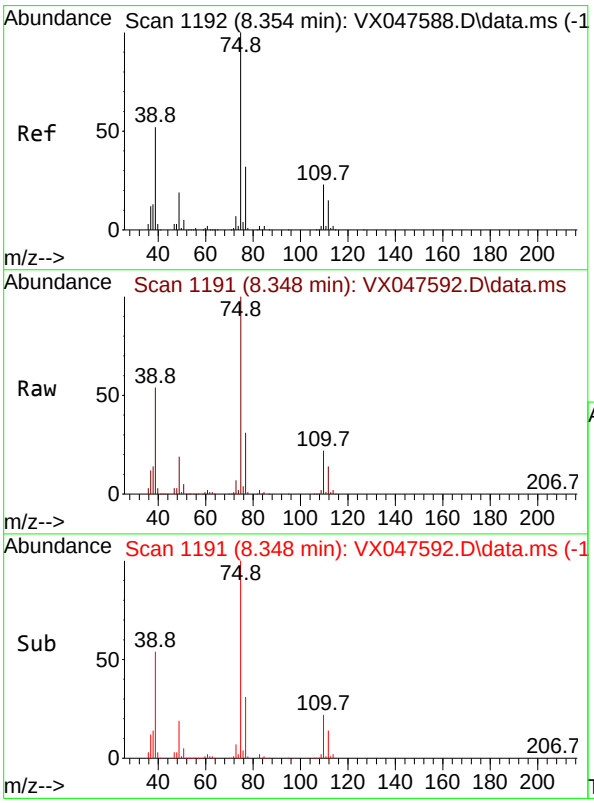
Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.4	38.2



Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Manual Integrations
APPROVED

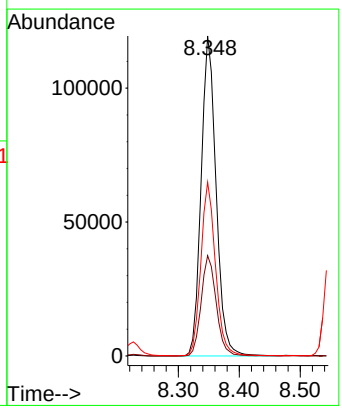
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

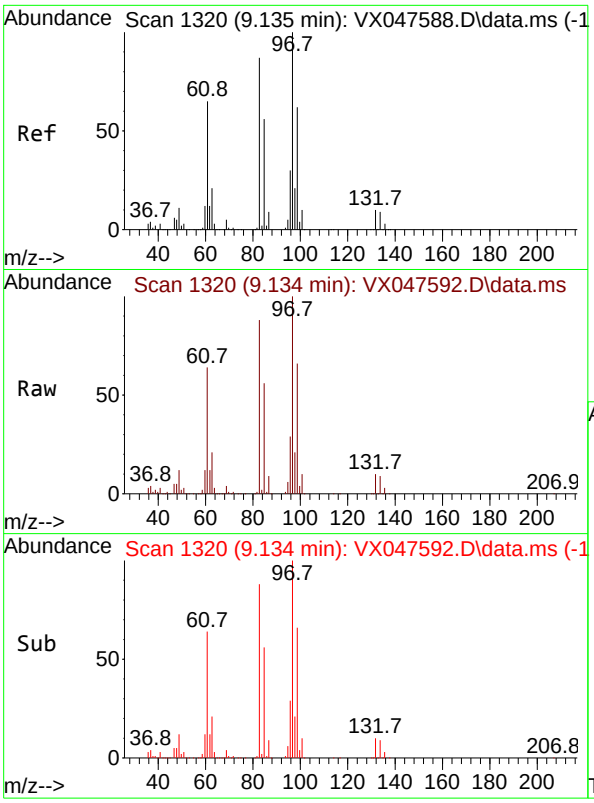


#54
cis-1,3-Dichloropropene
Concen: 49.257 ug/l
RT: 8.348 min Scan# 1191
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 75 Resp: 203954

Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.8	38.6
39	54.2	41.4	62.2

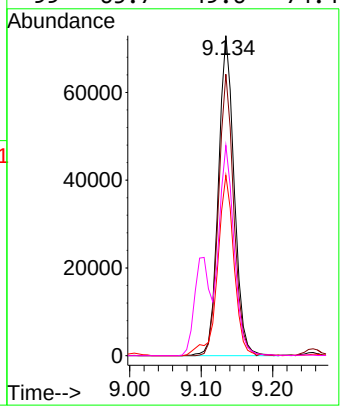




#55
1,1,2-Trichloroethane
Concen: 47.772 ug/l
RT: 9.134 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 97 Resp: 11209

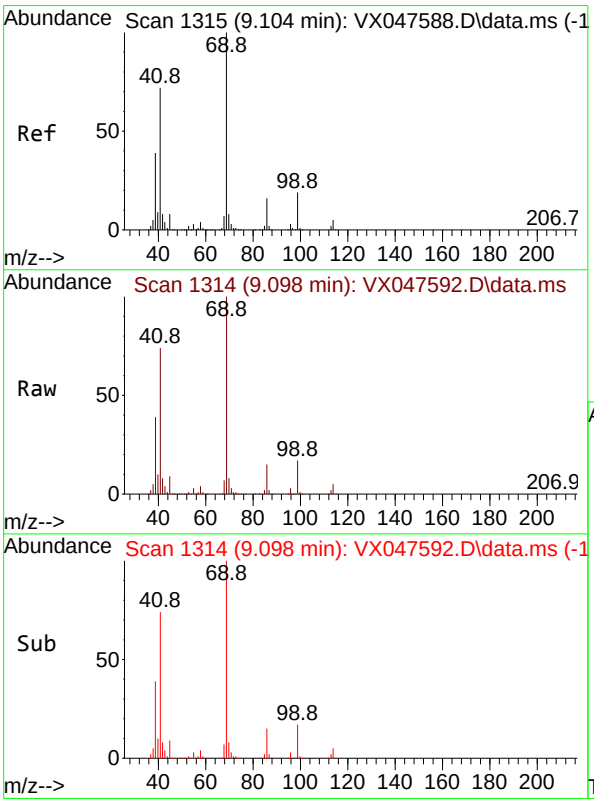
Ion	Ratio	Lower	Upper
97	100		
83	87.9	69.6	104.4
85	56.4	45.0	67.6
99	65.7	49.6	74.4



Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Manual Integrations APPROVED

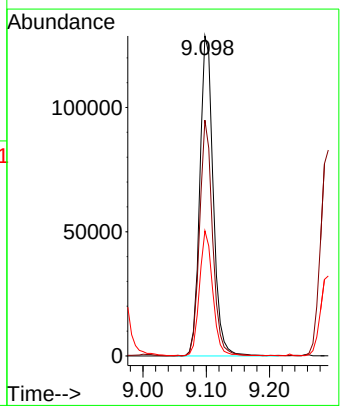
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

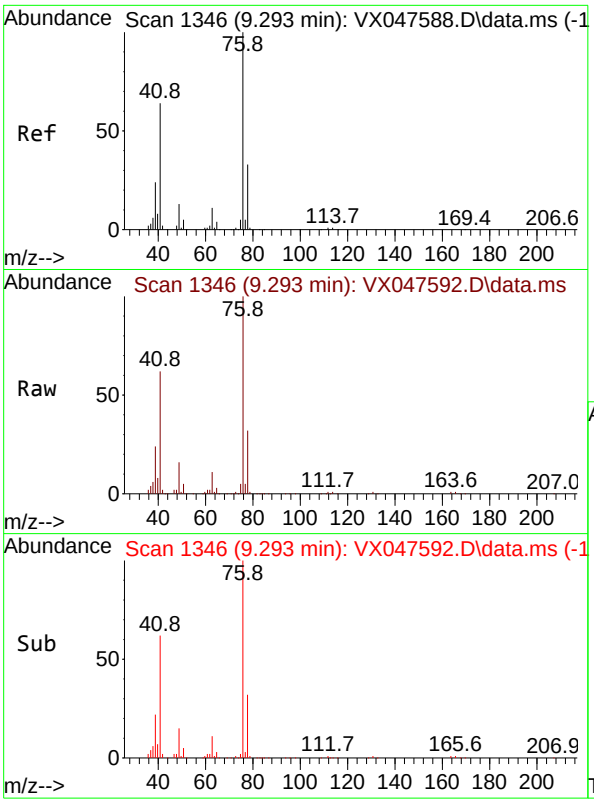


#56
Ethyl methacrylate
Concen: 51.490 ug/l
RT: 9.098 min Scan# 1314
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 69 Resp: 189741

Ion	Ratio	Lower	Upper
69	100		
41	71.7	58.6	87.8
39	39.0	31.5	47.3

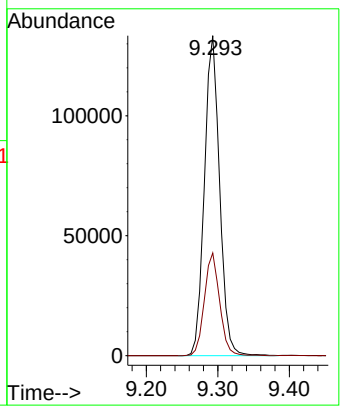




#57
1,3-Dichloropropane
Concen: 48.894 ug/l
RT: 9.293 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 76 Resp: 19707

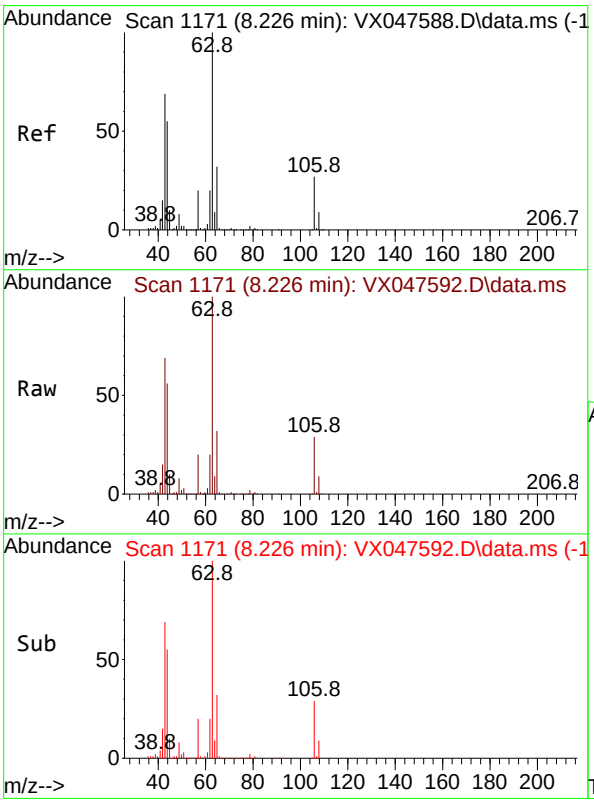
Ion	Ratio	Lower	Upper
76	100		
78	32.2	26.2	39.4



Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Manual Integrations APPROVED

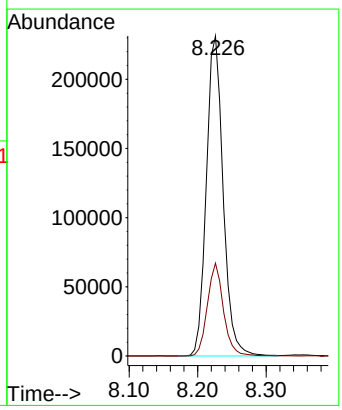
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

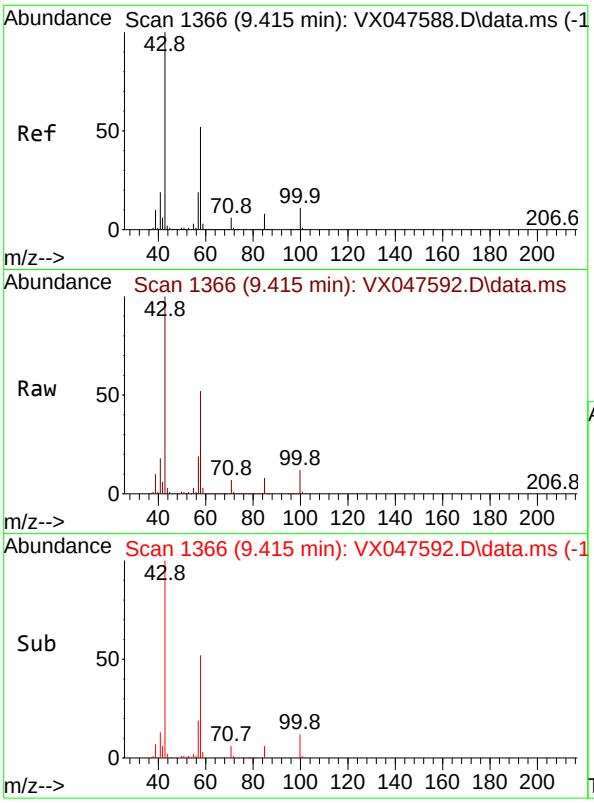


#58
2-Chloroethyl Vinyl ether
Concen: 225.562 ug/l
RT: 8.226 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 63 Resp: 394205

Ion	Ratio	Lower	Upper
63	100		
106	27.8	21.9	32.9





#59
2-Hexanone
Concen: 253.126 ug/l
RT: 9.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

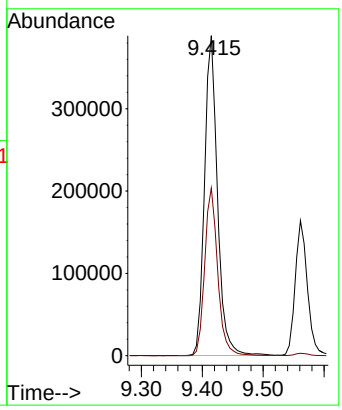
Tgt Ion: 43 Resp: 57559

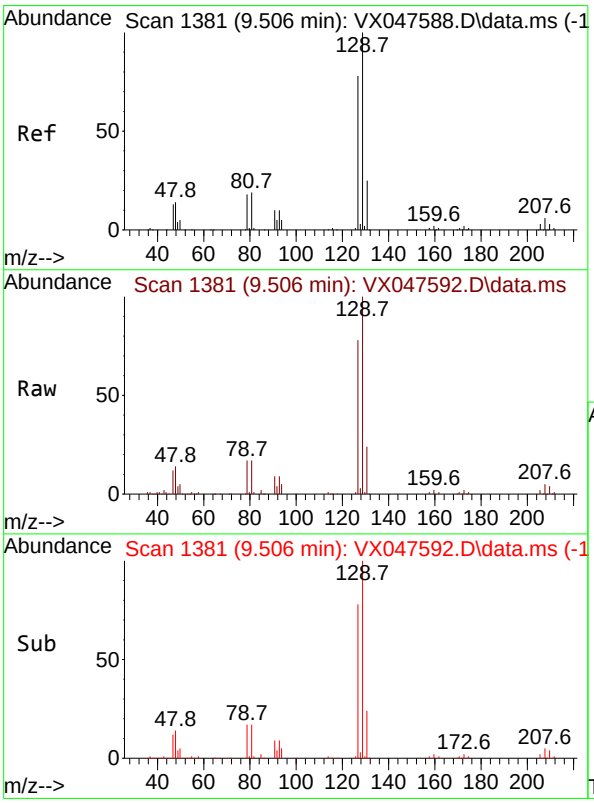
Ion	Ratio	Lower	Upper
43	100		
58	52.6	26.1	78.2

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

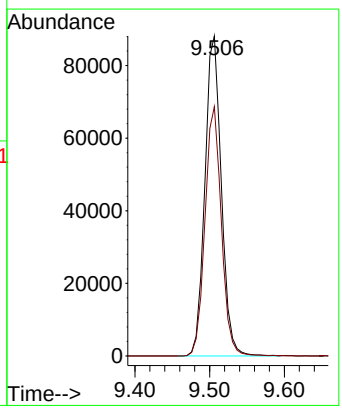


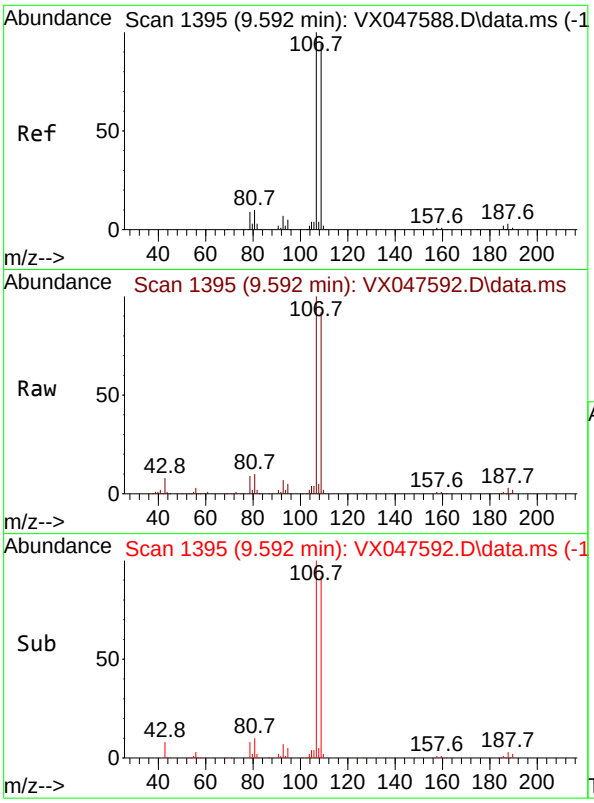


#60
Dibromochloromethane
Concen: 49.824 ug/l
RT: 9.506 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:129 Resp: 134704

Ion	Ratio	Lower	Upper
129	100		
127	77.8	38.4	115.2

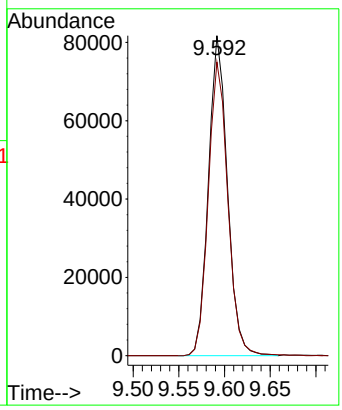




#61
1,2-Dibromoethane
Concen: 49.297 ug/l
RT: 9.592 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:107 Resp: 11781

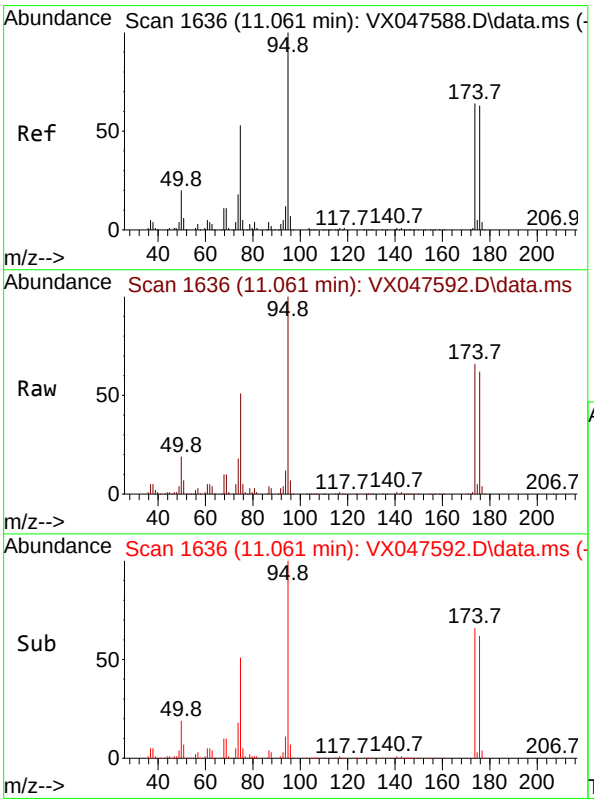
Ion	Ratio	Lower	Upper
107	100		
109	94.6	75.3	112.9



Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Manual Integrations APPROVED

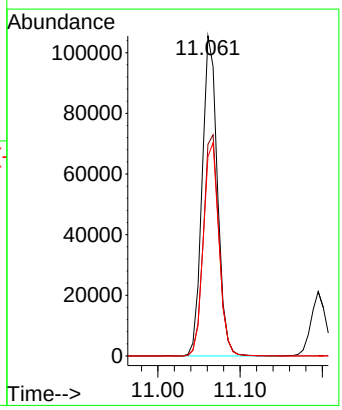
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

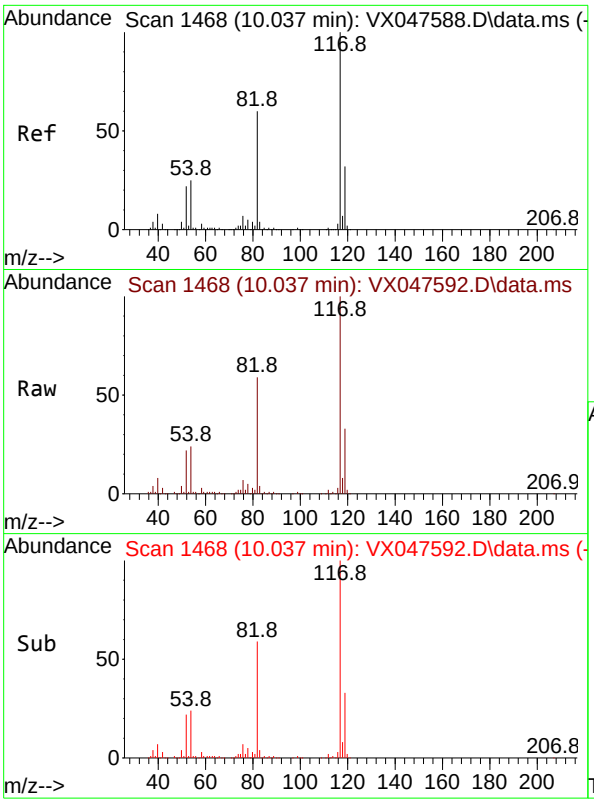


#62
4-Bromofluorobenzene
Concen: 46.520 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 95 Resp: 135957

Ion	Ratio	Lower	Upper
95	100		
174	70.3	0.0	141.6
176	68.0	0.0	138.4

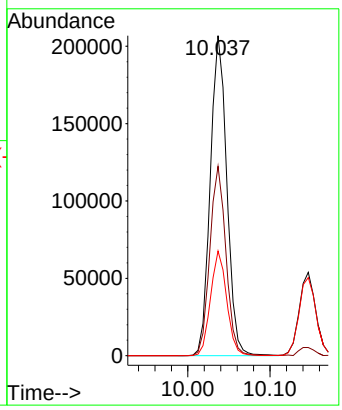




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:117 Resp: 28866

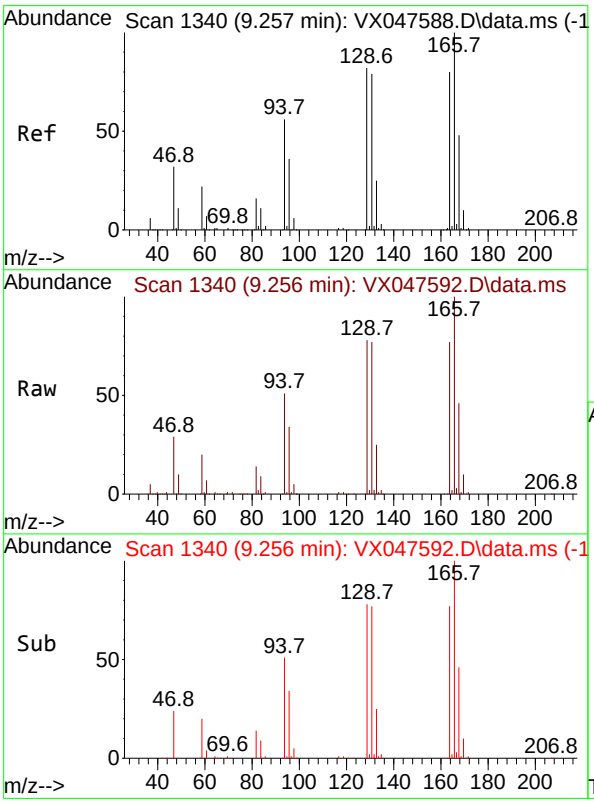
Ion	Ratio	Lower	Upper
117	100		
82	59.2	47.8	71.6
119	32.7	25.2	37.8



Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Manual Integrations APPROVED

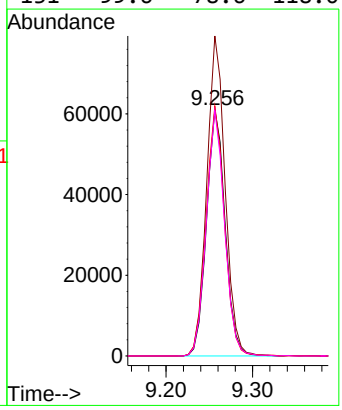
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

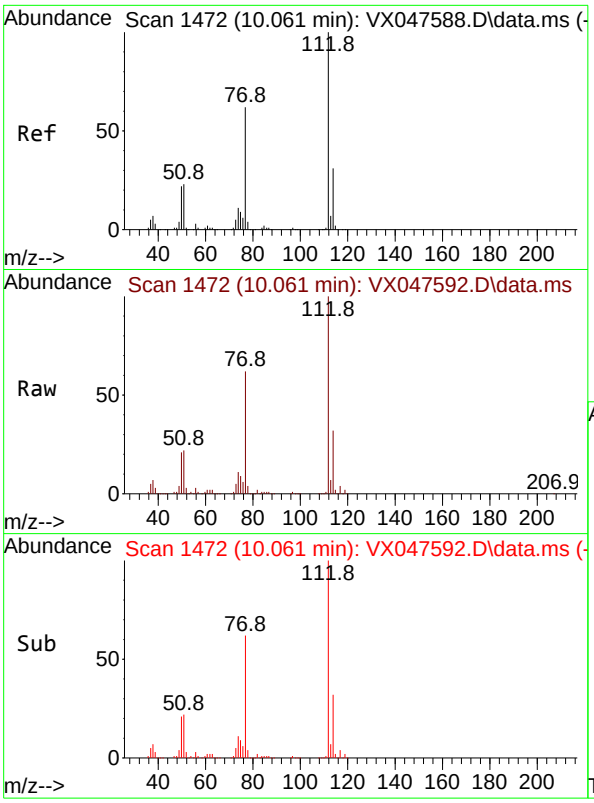


#64
Tetrachloroethene
Concen: 48.296 ug/l
RT: 9.256 min Scan# 1340
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:164 Resp: 90881

Ion	Ratio	Lower	Upper
164	100		
166	129.8	100.2	150.2
129	101.3	81.8	122.6
131	99.6	78.6	118.0

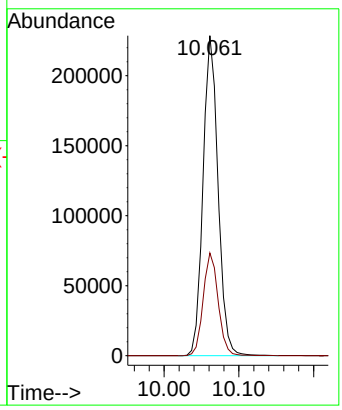




#65
Chlorobenzene
Concen: 48.549 ug/l
RT: 10.061 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:112 Resp: 31837

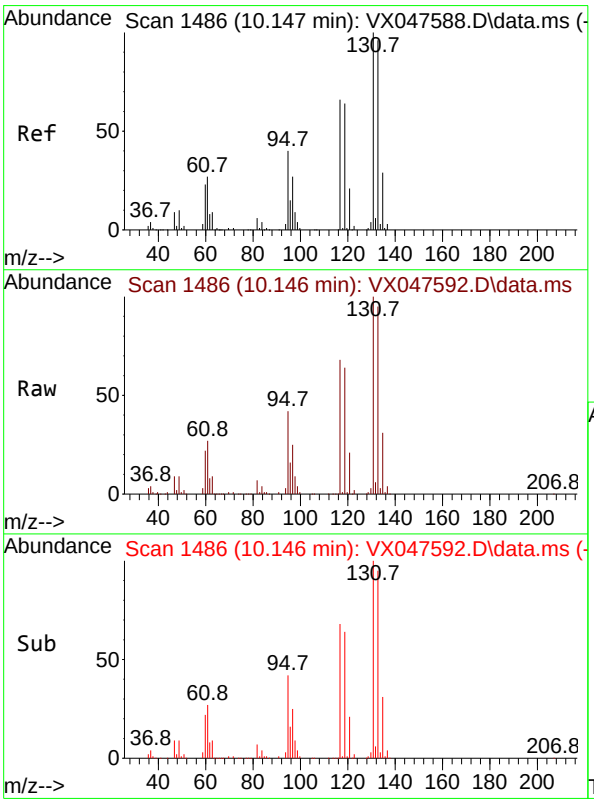
Ion	Ratio	Lower	Upper
112	100		
114	32.1	25.1	37.7



Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Manual Integrations APPROVED

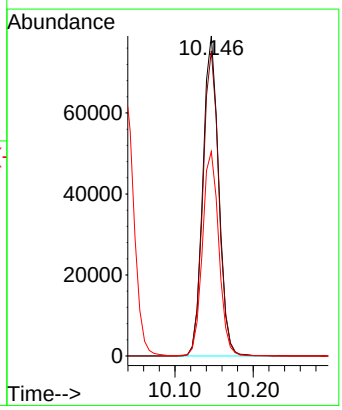
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

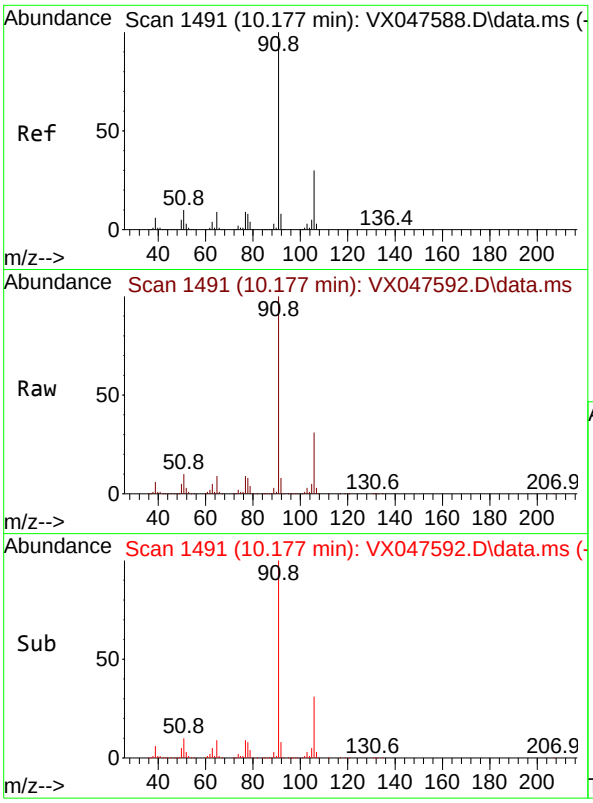


#66
1,1,1,2-Tetrachloroethane
Concen: 48.794 ug/l
RT: 10.146 min Scan# 1486
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:131 Resp: 110416

Ion	Ratio	Lower	Upper
131	100		
133	96.3	47.3	142.0
119	66.3	32.0	96.0

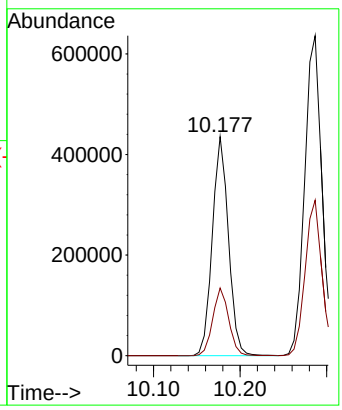




#67
Ethyl Benzene
Concen: 49.813 ug/l
RT: 10.177 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 91 Resp: 56363

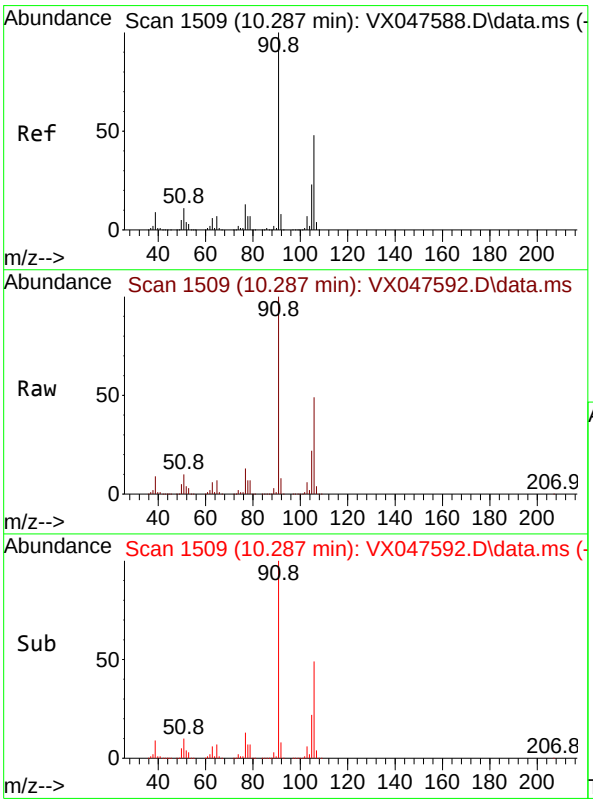
Ion	Ratio	Lower	Upper
91	100		
106	30.9	24.3	36.5



Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Manual Integrations
APPROVED

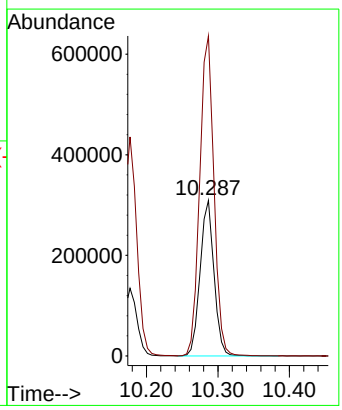
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

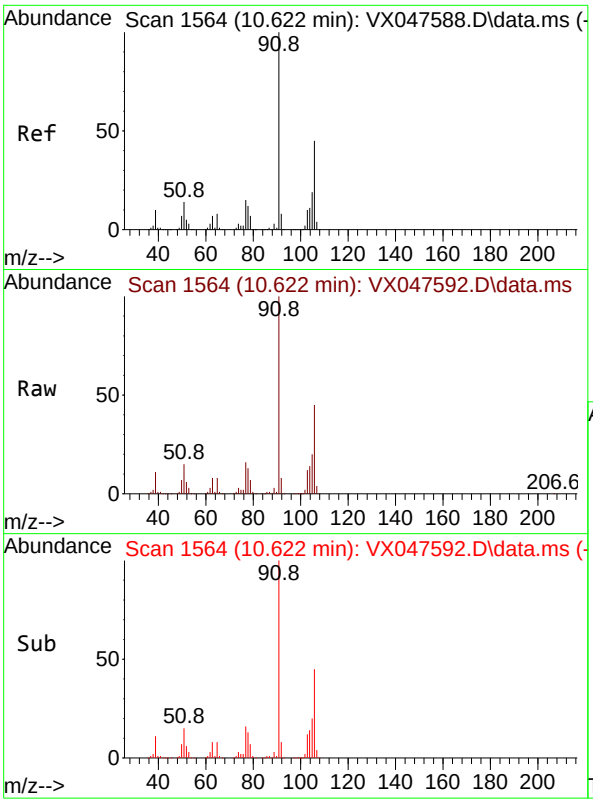


#68
m/p-Xylenes
Concen: 98.956 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:106 Resp: 416757

Ion	Ratio	Lower	Upper
106	100		
91	211.1	167.8	251.8





#69
o-Xylene
Concen: 50.159 ug/l
RT: 10.622 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

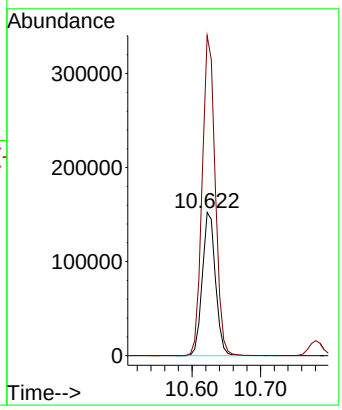
Tgt Ion:106 Resp: 20432

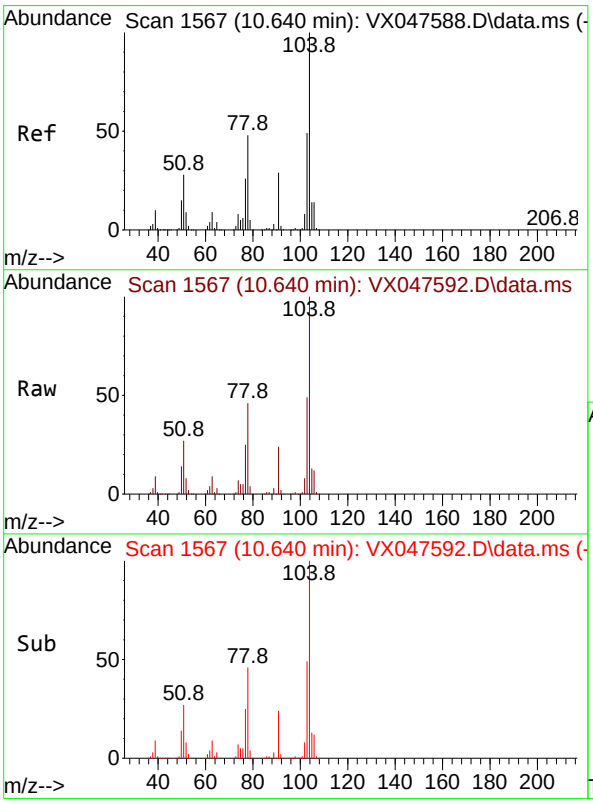
Ion	Ratio	Lower	Upper
106	100		
91	221.0	111.1	333.4

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Manual Integrations APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

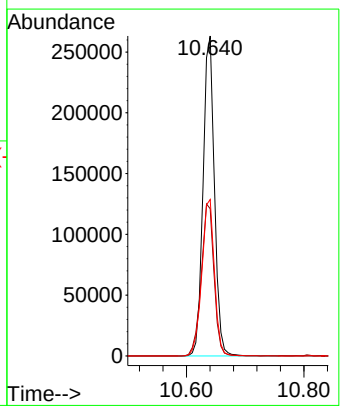


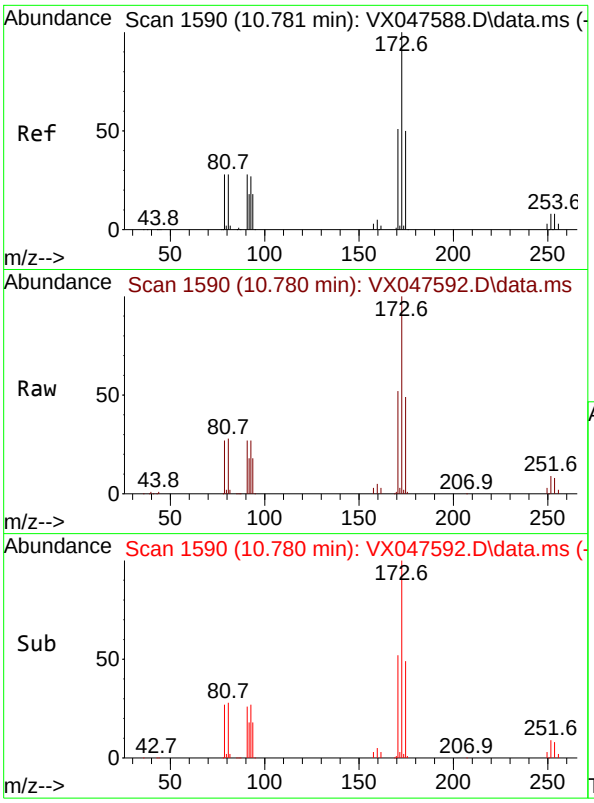


#70
Styrene
Concen: 49.536 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:104 Resp: 353567

Ion	Ratio	Lower	Upper
104	100		
78	53.4	43.1	64.7
103	54.3	43.1	64.7

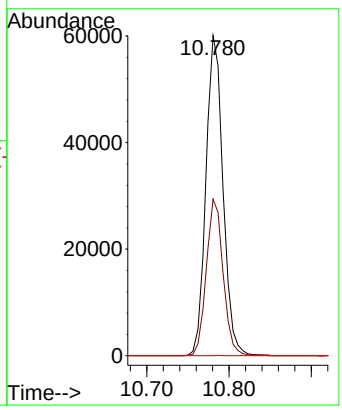




#71
Bromoform
Concen: 51.207 ug/l
RT: 10.780 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:173 Resp: 8652

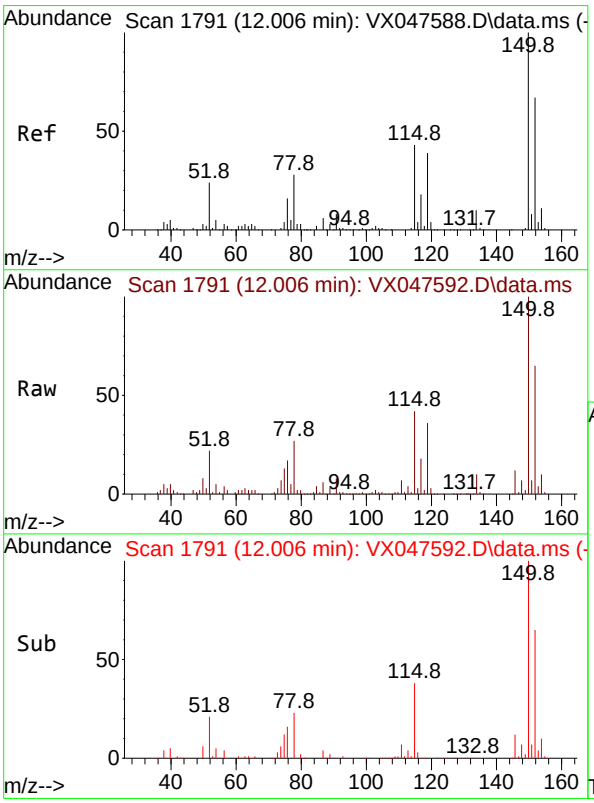
Ion	Ratio	Lower	Upper
173	100		
175	48.2	24.9	74.6
254	0.0	0.1	0.1



Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Manual Integrations
APPROVED

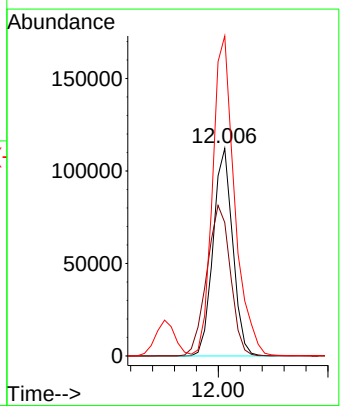
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

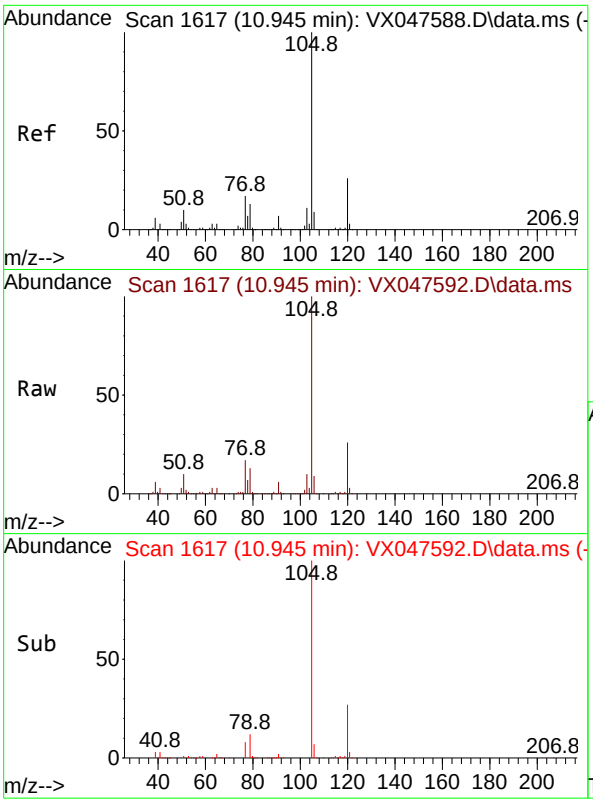


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:152 Resp: 139252

Ion	Ratio	Lower	Upper
152	100		
115	87.5	44.9	134.5
150	173.5	0.0	352.0

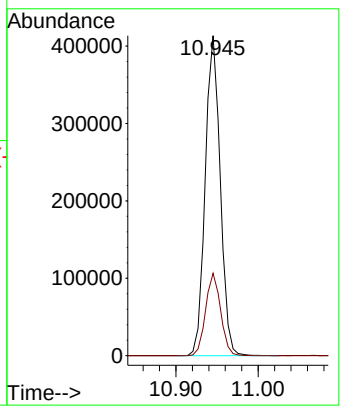




#73
Isopropylbenzene
Concen: 49.479 ug/l
RT: 10.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:105 Resp: 52382

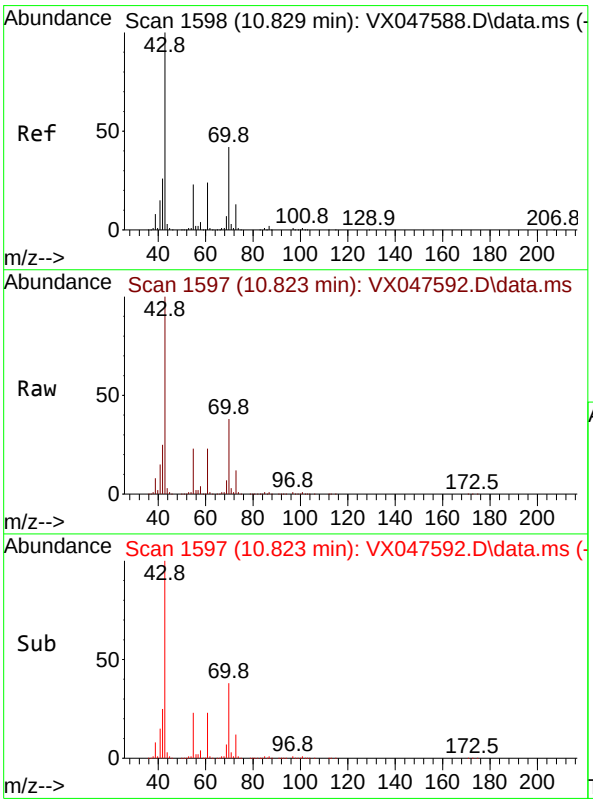
Ion	Ratio	Lower	Upper
105	100		
120	25.7	12.8	38.4



Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Manual Integrations APPROVED

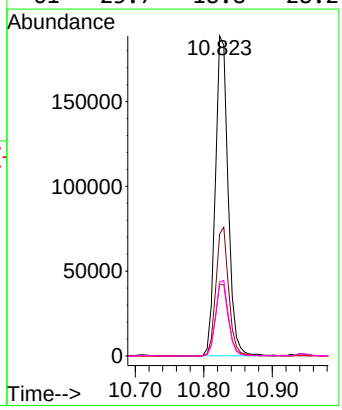
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

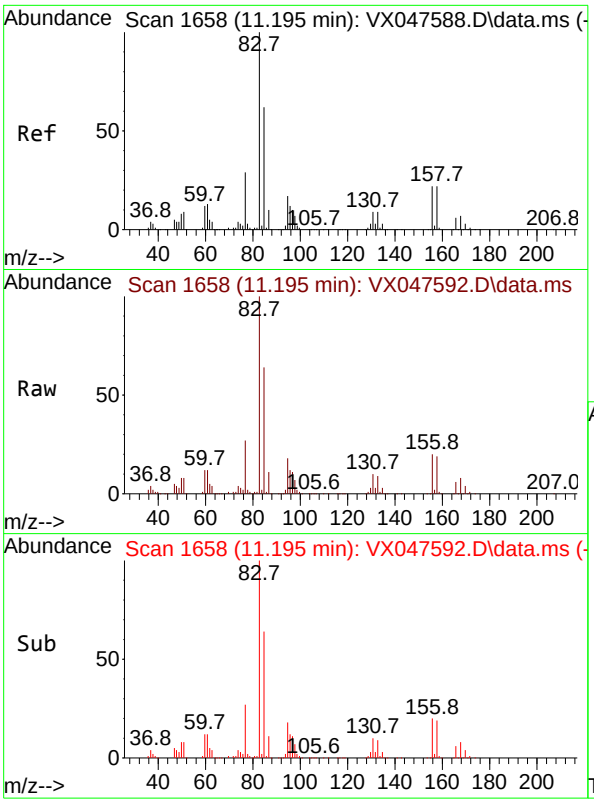


#74
N-amyl acetate
Concen: 50.375 ug/l
RT: 10.823 min Scan# 1597
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 43 Resp: 243198

Ion	Ratio	Lower	Upper
43	100		
70	40.2	32.0	48.0
55	23.2	18.9	28.3
61	23.7	18.8	28.2

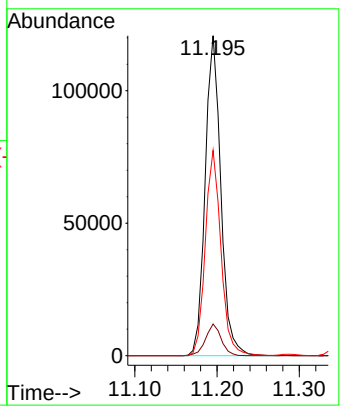




#75
1,1,2,2-Tetrachloroethane
Concen: 49.851 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 83 Resp: 15967

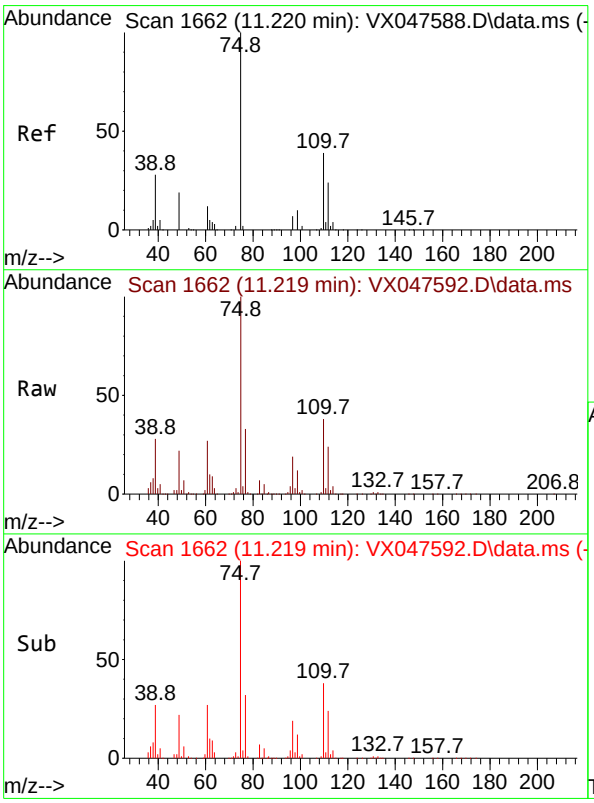
Ion	Ratio	Lower	Upper
83	100		
131	9.9	5.0	14.9
85	64.2	31.6	95.0



Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Manual Integrations
APPROVED

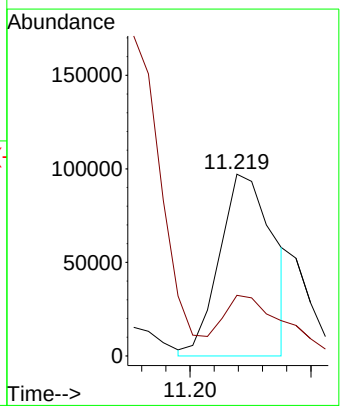
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

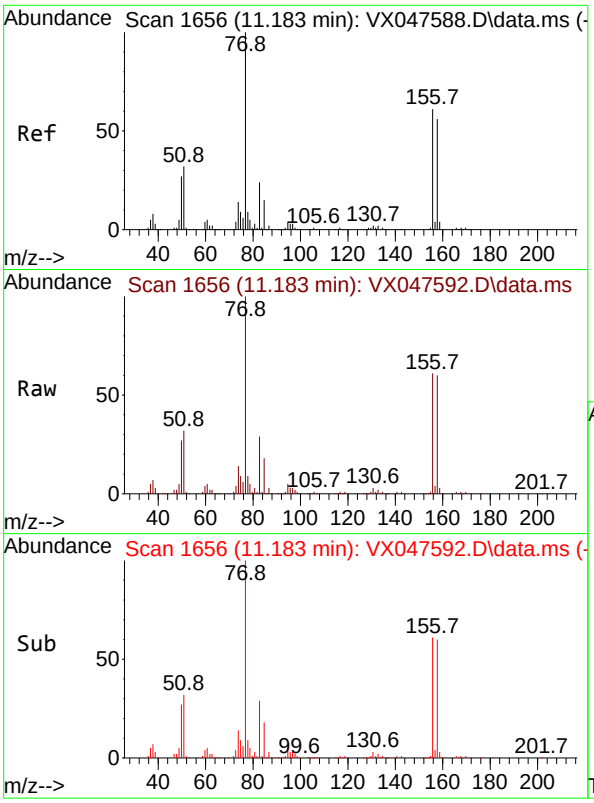


#76
1,2,3-Trichloropropane
Concen: 53.124 ug/l m
RT: 11.219 min Scan# 1662
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 75 Resp: 149779

Ion	Ratio	Lower	Upper
75	100		
77	38.0	18.8	56.4

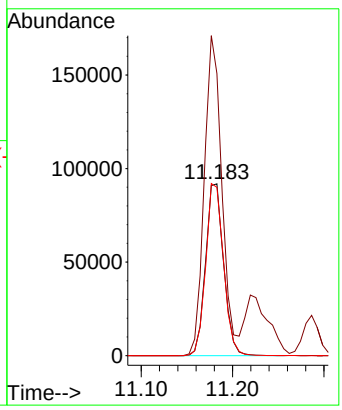




#77
Bromobenzene
Concen: 48.173 ug/l
RT: 11.183 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:156 Resp: 12561

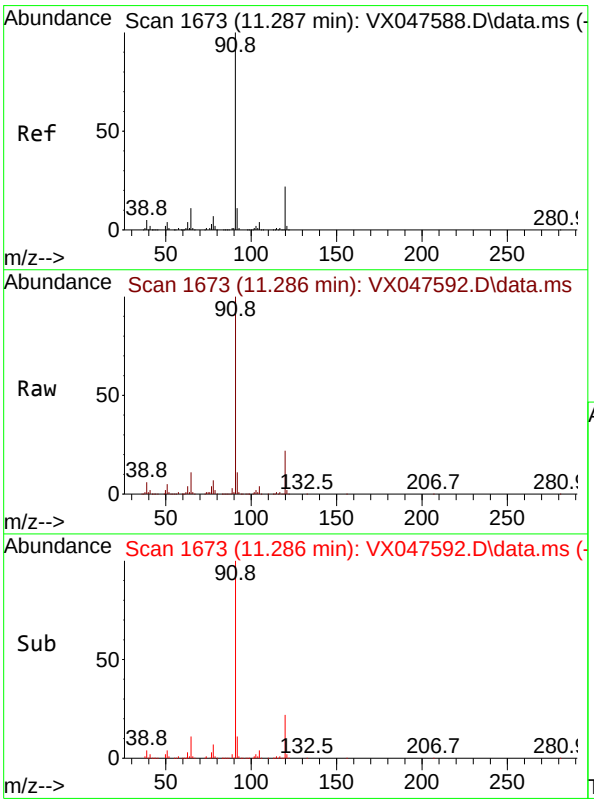
Ion	Ratio	Lower	Upper
156	100		
77	182.2	89.7	269.1
158	99.0	47.9	143.6



Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Manual Integrations
APPROVED

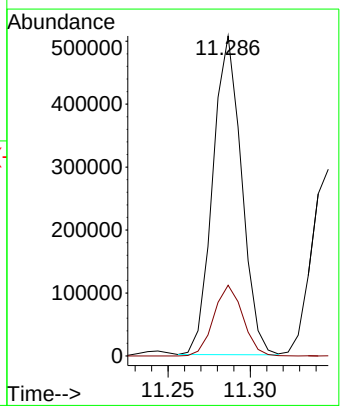
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

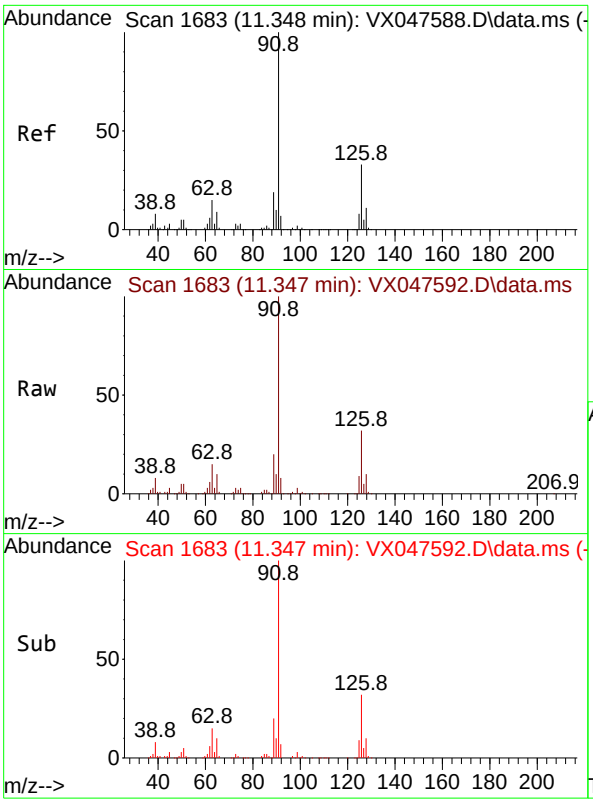


#78
n-propylbenzene
Concen: 49.295 ug/l
RT: 11.286 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 91 Resp: 616928

Ion	Ratio	Lower	Upper
91	100		
120	22.4	11.1	33.1

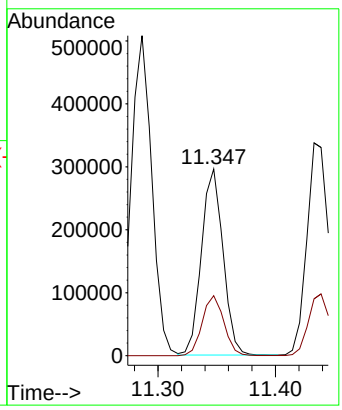




#79
2-Chlorotoluene
Concen: 49.117 ug/l
RT: 11.347 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 91 Resp: 37648

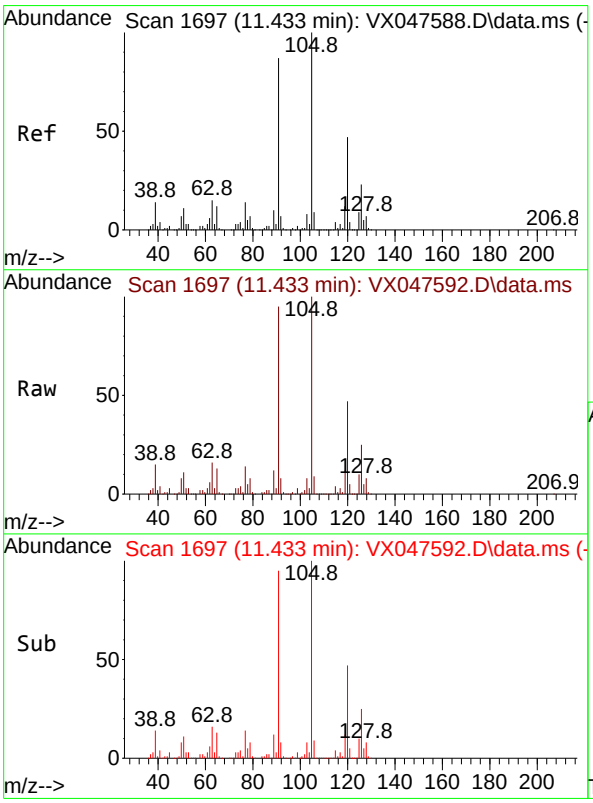
Ion	Ratio	Lower	Upper
91	100		
126	32.4	16.1	48.3



Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Manual Integrations
APPROVED

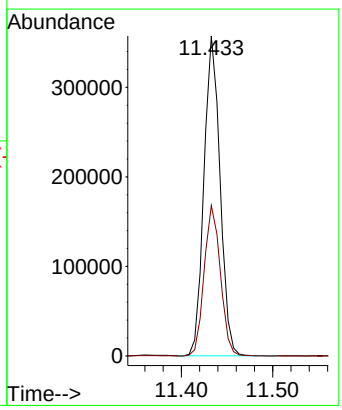
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

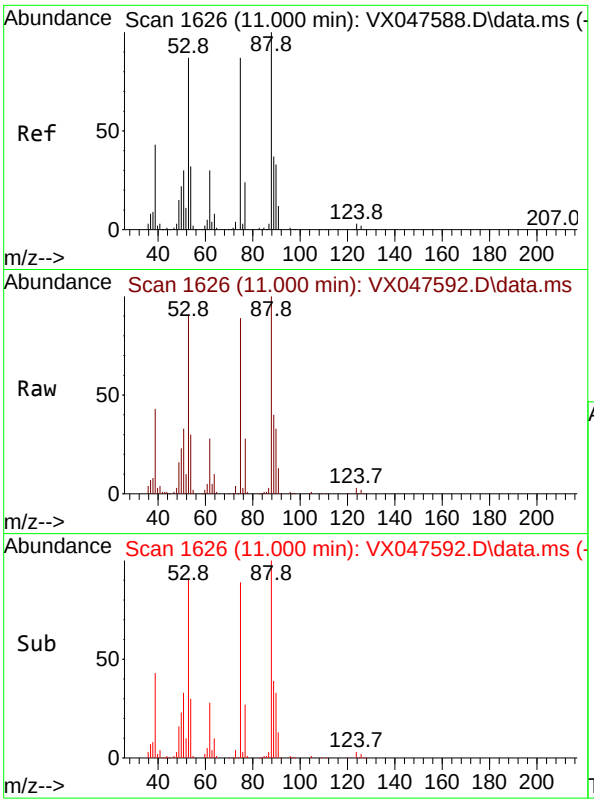


#80
1,3,5-Trimethylbenzene
Concen: 50.055 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:105 Resp: 435375

Ion	Ratio	Lower	Upper
105	100		
120	47.5	23.6	70.8

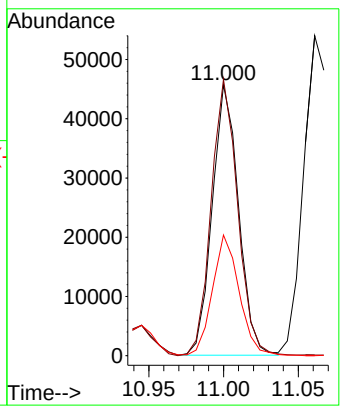




#81
trans-1,4-Dichloro-2-butene
Concen: 50.543 ug/l
RT: 11.000 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 75 Resp: 5588

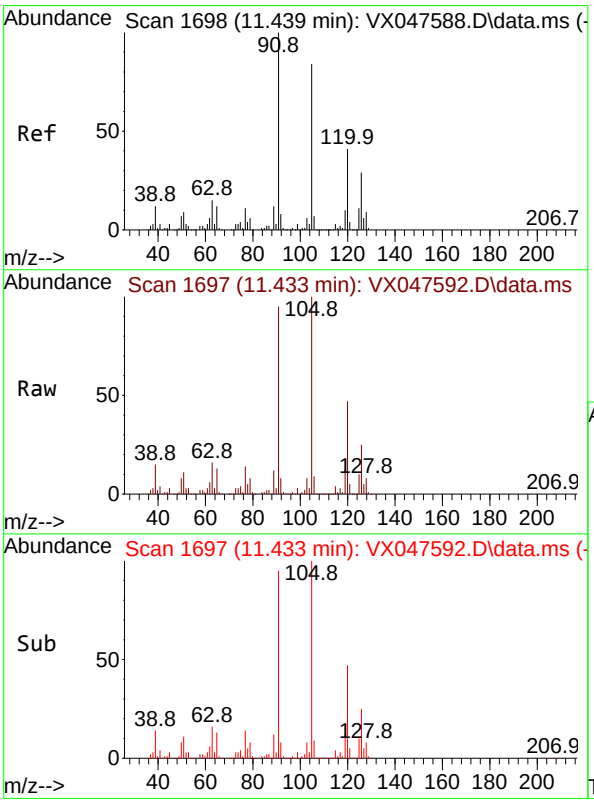
Ion	Ratio	Lower	Upper
75	100		
53	103.4	83.4	125.2
89	45.4	36.3	54.5



Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Manual Integrations
APPROVED

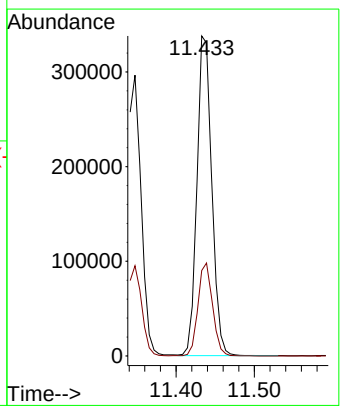
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

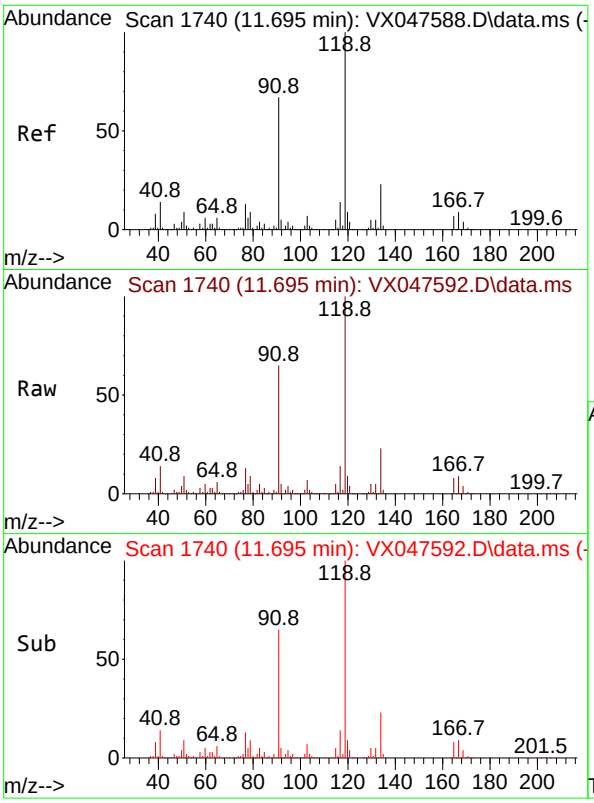


#82
4-Chlorotoluene
Concen: 49.164 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 91 Resp: 445075

Ion	Ratio	Lower	Upper
91	100		
126	28.6	14.2	42.6

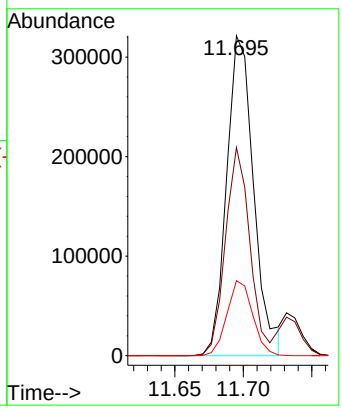




#83
tert-Butylbenzene
Concen: 49.679 ug/l
RT: 11.695 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:119 Resp: 44234

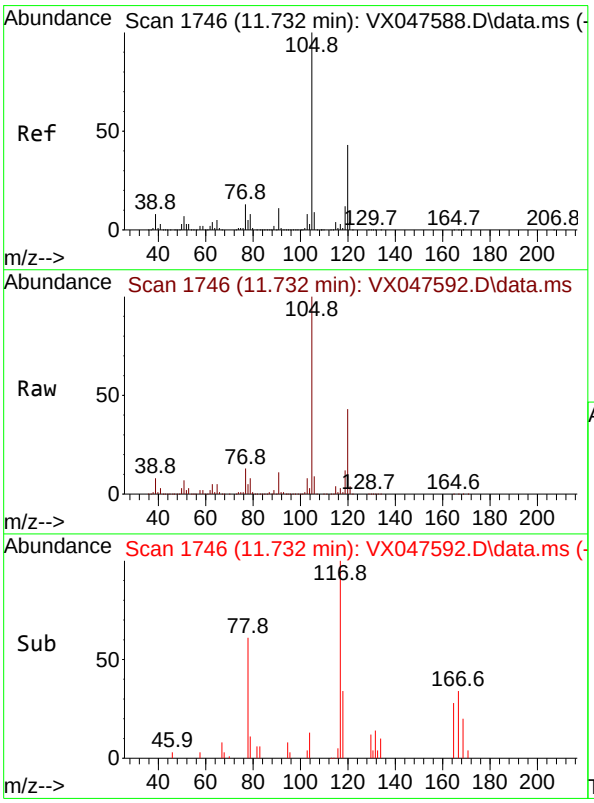
Ion	Ratio	Lower	Upper
119	100		
91	58.7	29.6	88.8
134	22.3	11.0	33.0



Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Manual Integrations APPROVED

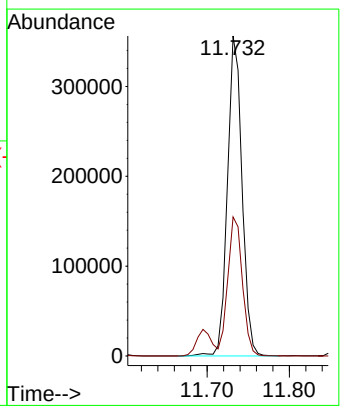
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

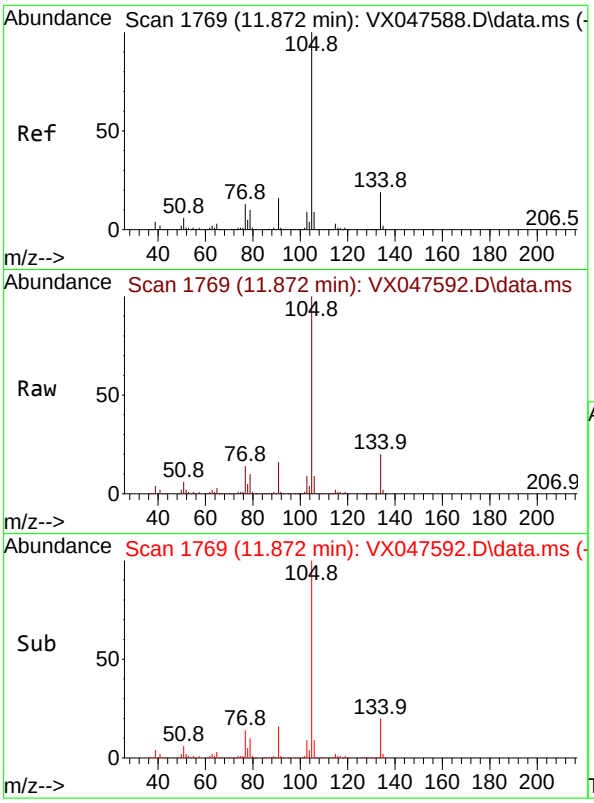


#84
1,2,4-Trimethylbenzene
Concen: 49.911 ug/l
RT: 11.732 min Scan# 1746
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:105 Resp: 440134

Ion	Ratio	Lower	Upper
105	100		
120	43.5	22.1	66.1

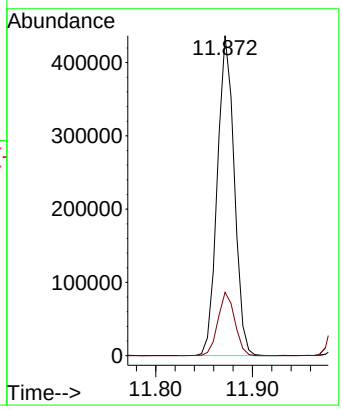




#85
sec-Butylbenzene
Concen: 50.100 ug/l
RT: 11.872 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:105 Resp: 52986

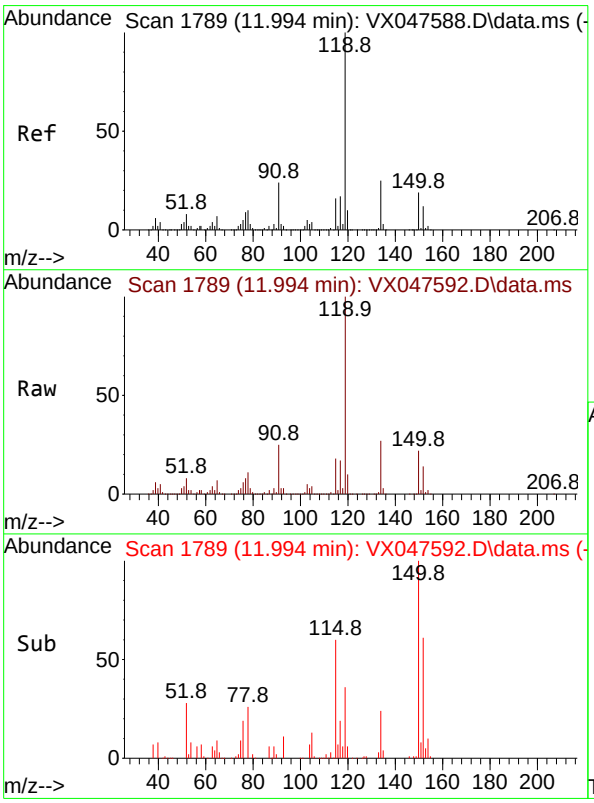
Ion	Ratio	Lower	Upper
105	100		
134	19.7	9.8	29.5



Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Manual Integrations APPROVED

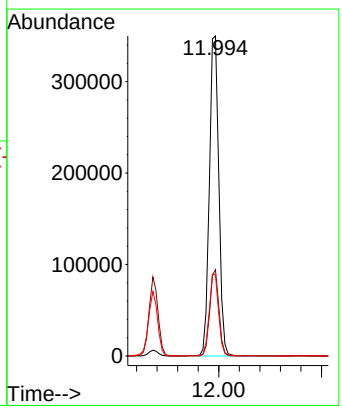
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

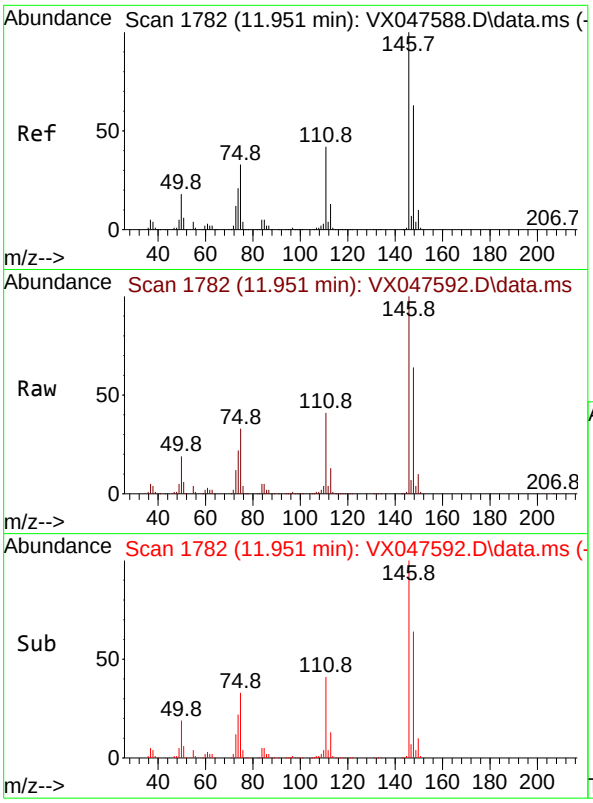


#86
p-Isopropyltoluene
Concen: 49.861 ug/l
RT: 11.994 min Scan# 1789
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:119 Resp: 446441

Ion	Ratio	Lower	Upper
119	100		
134	25.9	12.6	37.8
91	25.4	12.6	37.6

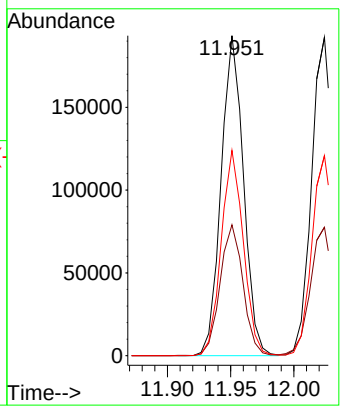




#87
1,3-Dichlorobenzene
Concen: 49.014 ug/l
RT: 11.951 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:146 Resp: 23738

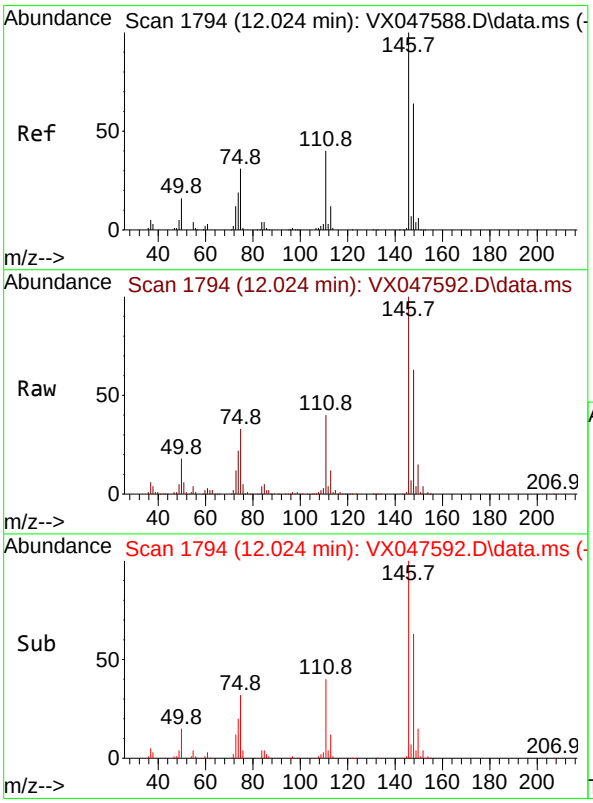
Ion	Ratio	Lower	Upper
146	100		
111	42.1	21.5	64.5
148	63.5	32.0	96.0



Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Manual Integrations APPROVED

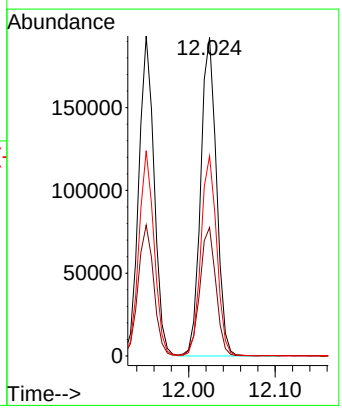
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

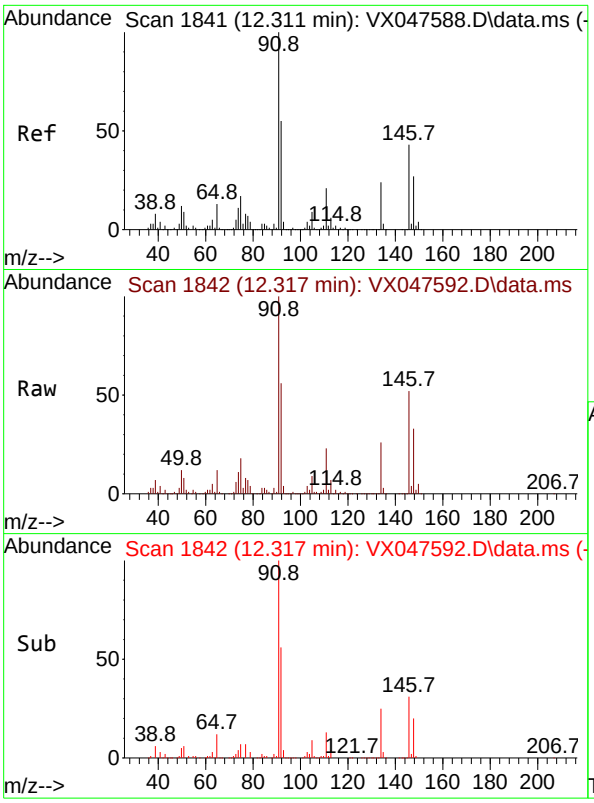


#88
1,4-Dichlorobenzene
Concen: 49.011 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:146 Resp: 243618

Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.8	62.4
148	62.7	31.7	95.1

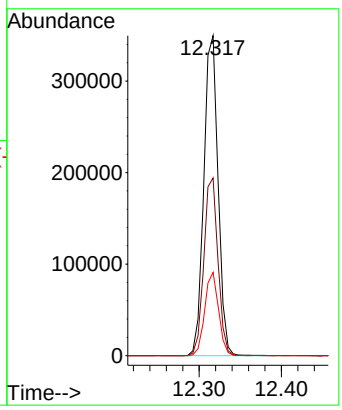




#89
n-Butylbenzene
Concen: 50.752 ug/l
RT: 12.317 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 91 Resp: 42047

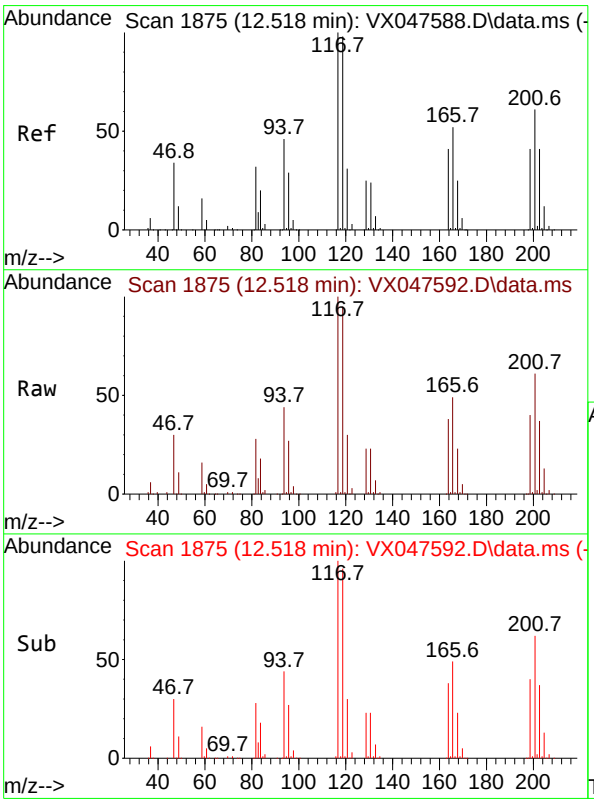
Ion	Ratio	Lower	Upper
91	100		
92	55.2	27.6	82.7
134	25.3	12.6	37.8



Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Manual Integrations APPROVED

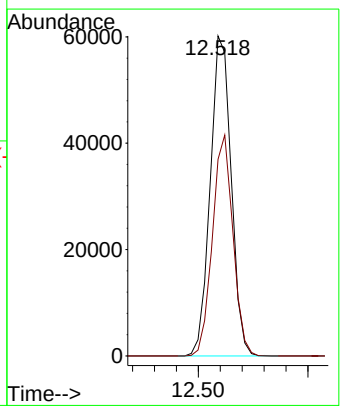
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

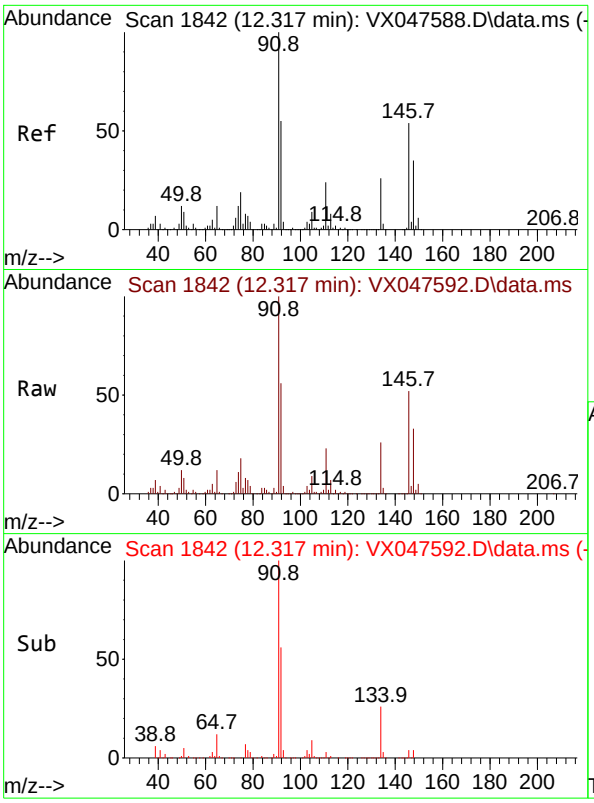


#90
Hexachloroethane
Concen: 50.732 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:117 Resp: 79751

Ion	Ratio	Lower	Upper
117	100		
201	67.7	34.2	102.5

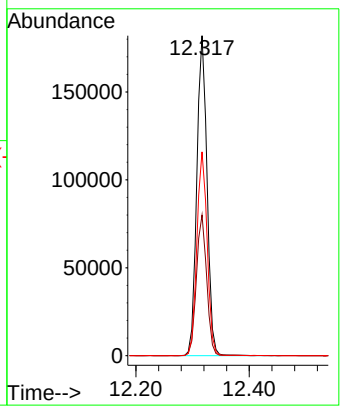




#91
1,2-Dichlorobenzene
Concen: 49.304 ug/l
RT: 12.317 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:146 Resp: 22749

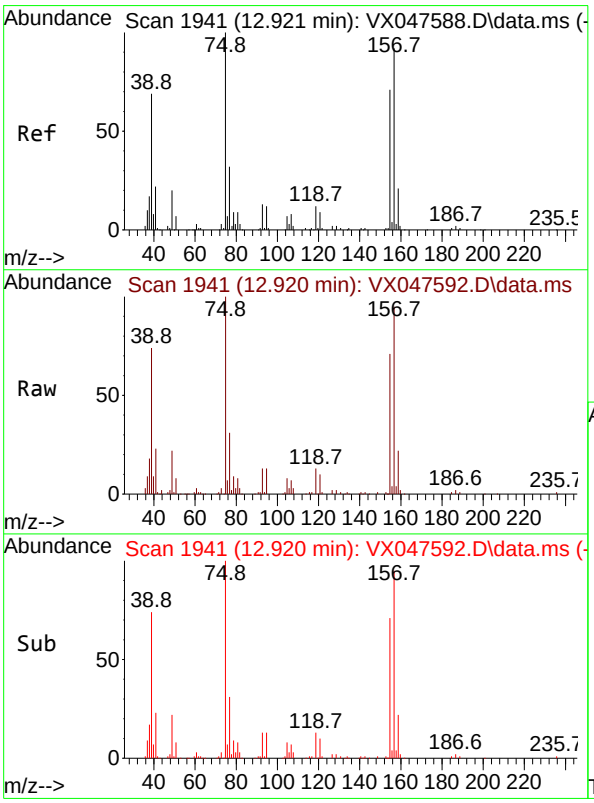
Ion	Ratio	Lower	Upper
146	100		
111	44.2	22.2	66.6
148	64.1	31.8	95.4



Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Manual Integrations APPROVED

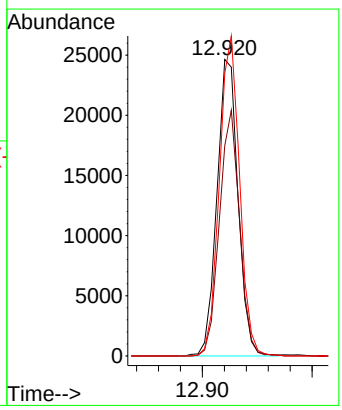
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

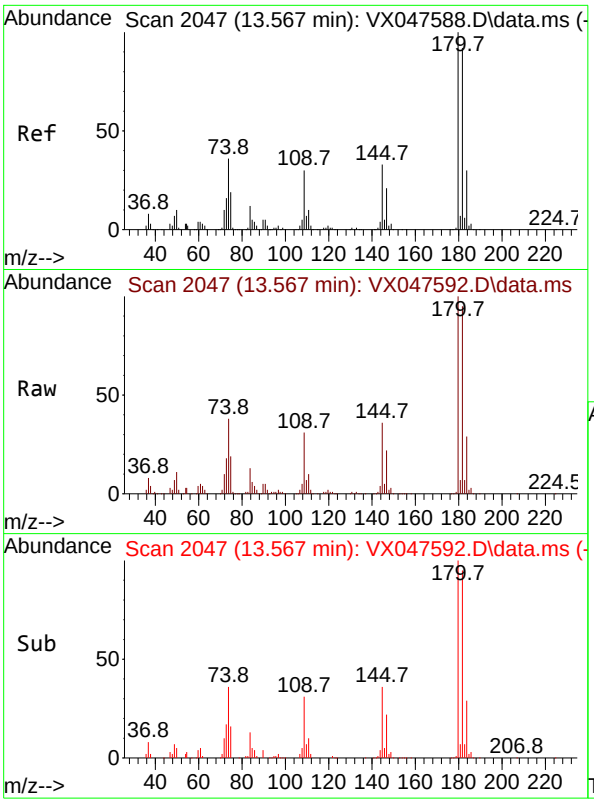


#92
1,2-Dibromo-3-Chloropropane
Concen: 50.918 ug/l
RT: 12.920 min Scan# 1941
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 75 Resp: 33020

Ion	Ratio	Lower	Upper
75	100		
155	79.1	37.7	113.1
157	103.2	49.8	149.4

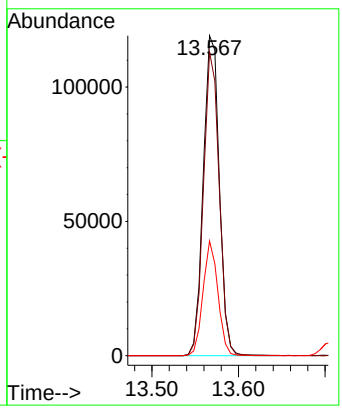




#93
1,2,4-Trichlorobenzene
Concen: 51.133 ug/l
RT: 13.567 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:180 Resp: 15333

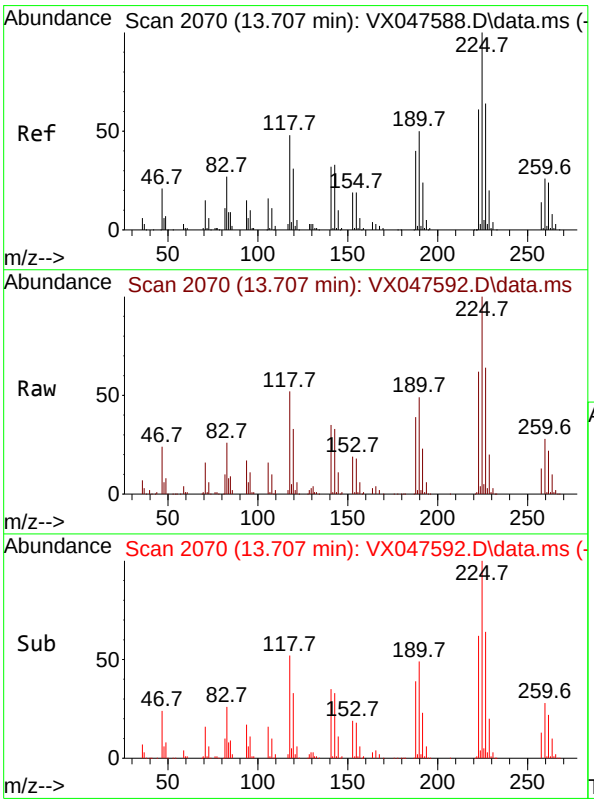
Ion	Ratio	Lower	Upper
180	100		
182	93.1	46.6	139.8
145	33.3	16.4	49.1



Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Manual Integrations APPROVED

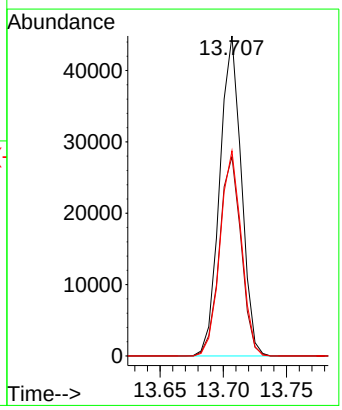
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

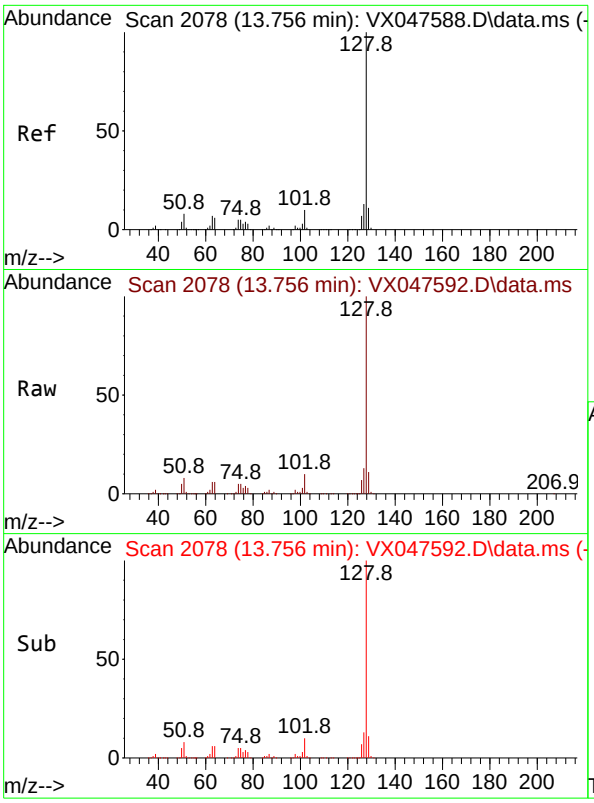


#94
Hexachlorobutadiene
Concen: 52.131 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:225 Resp: 53099

Ion	Ratio	Lower	Upper
225	100		
223	62.6	31.7	95.1
227	63.3	32.0	96.0

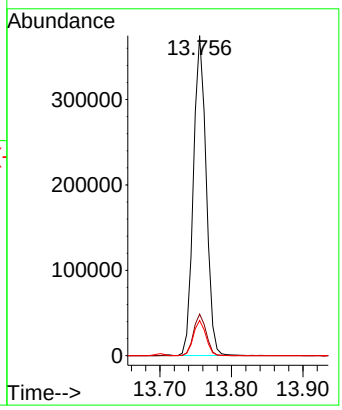




#95
Naphthalene
Concen: 50.836 ug/l
RT: 13.756 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:128 Resp: 46420

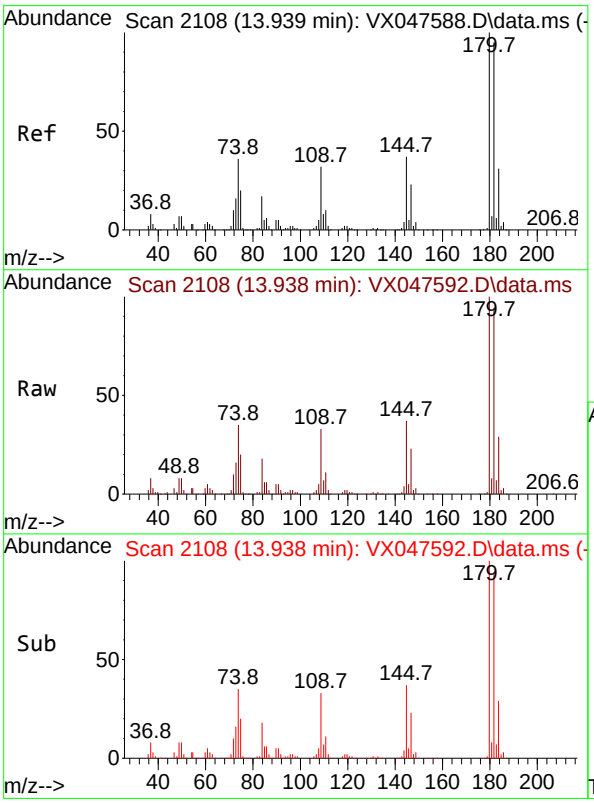
Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.2
129	10.9	8.8	13.2



Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Manual Integrations APPROVED

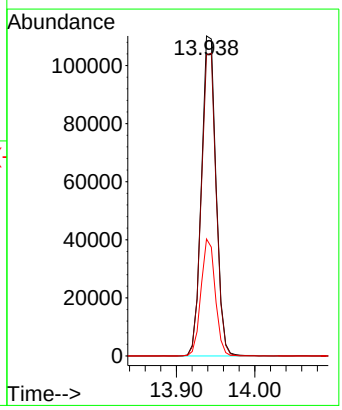
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025



#96
1,2,3-Trichlorobenzene
Concen: 51.054 ug/l
RT: 13.938 min Scan# 2108
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:180 Resp: 142413

Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.6	142.8
145	35.6	17.9	53.7



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047592.D
Acq On : 16 Sep 2025 13:35
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Quant Time: Sep 17 06:47:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 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	108	-0.01
2	T	Dichlorodifluoromethane	0.518	0.462	10.8	99	0.00
3	P	Chloromethane	0.680	0.595	12.5	97	0.00
4	C	Vinyl Chloride	0.666	0.610	8.4#	99	0.00
5	T	Bromomethane	0.422	0.410	2.8	104	0.00
6	T	Chloroethane	0.445	0.415	6.7	101	0.00
7	T	Trichlorofluoromethane	0.989	0.931	5.9	101	0.00
8	T	Diethyl Ether	0.405	0.378	6.7	99	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.578	0.561	2.9	103	0.00
10	T	Methyl Iodide	0.902	0.834	7.5	98	0.00
11	T	Tert butyl alcohol	0.089	0.091	-2.2	110	0.00
12	CM	1,1-Dichloroethene	0.594	0.559	5.9#	100	0.00
13	T	Acrolein	0.082	0.083	-1.2	110	0.00
14	T	Allyl chloride	1.226	1.146	6.5	102	0.00
15	T	Acrylonitrile	0.328	0.333	-1.5	103	0.00
16	T	Acetone	0.346	0.339	2.0	115	0.00
17	T	Carbon Disulfide	1.626	1.463	10.0	100	0.00
18	T	Methyl Acetate	0.770	0.850	-10.4	104	0.00
19	T	Methyl tert-butyl Ether	2.169	2.105	3.0	101	0.00
20	T	Methylene Chloride	0.732	0.674	7.9	99	0.00
21	T	trans-1,2-Dichloroethene	0.640	0.597	6.7	99	0.00
22	T	Diisopropyl ether	2.376	2.289	3.7	99	-0.01
23	T	Vinyl Acetate	1.901	1.867	1.8	101	0.00
24	P	1,1-Dichloroethane	1.263	1.213	4.0	101	0.00
25	T	2-Butanone	0.432	0.438	-1.4	107	0.00
26	T	2,2-Dichloropropane	1.050	1.039	1.0	105	0.00
27	T	cis-1,2-Dichloroethene	0.783	0.765	2.3	102	0.00
28	T	Bromochloromethane	0.551	0.514	6.7	96	-0.01
29	T	Tetrahydrofuran	0.260	0.263	-1.2	103	0.00
30	C	Chloroform	1.276	1.244	2.5#	101	0.00
31	T	Cyclohexane	1.052	0.968	8.0	101	0.00
32	T	1,1,1-Trichloroethane	1.082	1.060	2.0	101	0.00
33	S	1,2-Dichloroethane-d4	0.796	0.725	8.9	101	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	108	0.00
35	S	Dibromofluoromethane	0.335	0.306	8.7	100	0.00
36	T	1,1-Dichloropropene	0.490	0.457	6.7	101	0.00
37	T	Ethyl Acetate	0.525	0.517	1.5	105	-0.01
38	T	Carbon Tetrachloride	0.532	0.500	6.0	100	-0.01
39	T	Methylcyclohexane	0.556	0.541	2.7	103	0.00
40	TM	Benzene	1.488	1.410	5.2	100	0.00
41	T	Methacrylonitrile	0.271	0.274	-1.1	103	0.00
42	TM	1,2-Dichloroethane	0.566	0.531	6.2	98	0.00
43	T	Isopropyl Acetate	0.860	0.846	1.6	102	0.00
44	TM	Trichloroethene	0.360	0.346	3.9	101	0.00
45	C	1,2-Dichloropropane	0.381	0.366	3.9#	100	0.00
46	T	Dibromomethane	0.277	0.266	4.0	100	0.00
47	T	Bromodichloromethane	0.572	0.558	2.4	99	0.00
48	T	Methyl methacrylate	0.429	0.427	0.5	102	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047592.D
Acq On : 16 Sep 2025 13:35
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Quant Time: Sep 17 06:47:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 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	0.004	0.005	-25.0	106	0.00
50	S	Toluene-d8	1.160	1.077	7.2	101	0.00
51	T	4-Methyl-2-Pentanone	0.477	0.488	-2.3	103	0.00
52	CM	Toluene	0.917	0.883	3.7#	101	0.00
53	T	t-1,3-Dichloropropene	0.584	0.578	1.0	101	0.00
54	T	cis-1,3-Dichloropropene	0.624	0.615	1.4	102	0.00
55	T	1,1,2-Trichloroethane	0.354	0.338	4.5	99	0.00
56	T	Ethyl methacrylate	0.555	0.572	-3.1	103	0.00
57	T	1,3-Dichloropropane	0.607	0.594	2.1	101	0.00
58	T	2-Chloroethyl Vinyl ether	0.227	0.238	-4.8	94	0.00
59	T	2-Hexanone	0.343	0.347	-1.2	104	0.00
60	T	Dibromochloromethane	0.407	0.406	0.2	101	0.00
61	T	1,2-Dibromoethane	0.360	0.355	1.4	101	0.00
62	S	4-Bromofluorobenzene	0.440	0.410	6.8	104	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	107	0.00
64	T	Tetrachloroethene	0.326	0.315	3.4	103	0.00
65	PM	Chlorobenzene	1.136	1.103	2.9	100	0.00
66	T	1,1,1,2-Tetrachloroethane	0.392	0.383	2.3	99	0.00
67	C	Ethyl Benzene	1.960	1.953	0.4#	102	0.00
68	T	m/p-Xylenes	0.729	0.722	1.0	101	0.00
69	T	o-Xylene	0.706	0.708	-0.3	101	0.00
70	T	Styrene	1.236	1.225	0.9	101	0.00
71	P	Bromoform	0.293	0.300	-2.4	102	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	109	0.00
73	T	Isopropylbenzene	3.801	3.762	1.0	101	0.00
74	T	N-amyl acetate	1.733	1.746	-0.8	102	0.00
75	P	1,1,2,2-Tetrachloroethane	1.150	1.147	0.3	102	0.00
76	T	1,2,3-Trichloropropane	1.012	1.076	-6.3	104	0.00
77	T	Bromobenzene	0.936	0.902	3.6	100	0.00
78	T	n-propylbenzene	4.494	4.430	1.4	101	0.00
79	T	2-Chlorotoluene	2.752	2.704	1.7	101	0.00
80	T	1,3,5-Trimethylbenzene	3.123	3.127	-0.1	102	0.00
81	T	trans-1,4-Dichloro-2-butene	0.397	0.401	-1.0	106	0.00
82	T	4-Chlorotoluene	3.251	3.196	1.7	101	0.00
83	T	tert-Butylbenzene	3.197	3.177	0.6	103	0.00
84	T	1,2,4-Trimethylbenzene	3.166	3.161	0.2	103	0.00
85	T	sec-Butylbenzene	3.797	3.805	-0.2	103	0.00
86	T	p-Isopropyltoluene	3.215	3.206	0.3	102	0.00
87	T	1,3-Dichlorobenzene	1.739	1.705	2.0	102	0.00
88	T	1,4-Dichlorobenzene	1.785	1.749	2.0	104	0.00
89	T	n-Butylbenzene	2.975	3.020	-1.5	105	0.00
90	T	Hexachloroethane	0.564	0.573	-1.6	105	0.00
91	T	1,2-Dichlorobenzene	1.657	1.634	1.4	102	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.233	0.237	-1.7	102	0.00
93	T	1,2,4-Trichlorobenzene	1.077	1.101	-2.2	104	0.00
94	T	Hexachlorobutadiene	0.366	0.381	-4.1	108	0.00
95	T	Naphthalene	3.279	3.334	-1.7	103	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047592.D
Acq On : 16 Sep 2025 13:35
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Quant Time: Sep 17 06:47:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 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	1.002	1.023	-2.1	102	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047592.D
Acq On : 16 Sep 2025 13:35
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Quant Time: Sep 17 06:47:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 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	108	-0.01
2	T	Dichlorodifluoromethane	50.000	44.592	10.8	99	0.00
3	P	Chloromethane	50.000	43.710	12.6	97	0.00
4	C	Vinyl Chloride	50.000	45.783	8.4#	99	0.00
5	T	Bromomethane	50.000	48.489	3.0	104	0.00
6	T	Chloroethane	50.000	46.575	6.8	101	0.00
7	T	Trichlorofluoromethane	50.000	47.074	5.9	101	0.00
8	T	Diethyl Ether	50.000	46.693	6.6	99	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	48.524	3.0	103	0.00
10	T	Methyl Iodide	50.000	46.210	7.6	98	0.00
11	T	Tert butyl alcohol	250.000	256.271	-2.5	110	0.00
12	CM	1,1-Dichloroethene	50.000	47.076	5.8#	100	0.00
13	T	Acrolein	250.000	254.867	-1.9	110	0.00
14	T	Allyl chloride	50.000	46.742	6.5	102	0.00
15	T	Acrylonitrile	250.000	253.567	-1.4	103	0.00
16	T	Acetone	250.000	245.006	2.0	115	0.00
17	T	Carbon Disulfide	50.000	44.966	10.1	100	0.00
18	T	Methyl Acetate	50.000	55.175	-10.3	104	0.00
19	T	Methyl tert-butyl Ether	50.000	48.538	2.9	101	0.00
20	T	Methylene Chloride	50.000	46.000	8.0	99	0.00
21	T	trans-1,2-Dichloroethene	50.000	46.709	6.6	99	0.00
22	T	Diisopropyl ether	50.000	48.174	3.7	99	-0.01
23	T	Vinyl Acetate	250.000	245.539	1.8	101	0.00
24	P	1,1-Dichloroethane	50.000	48.041	3.9	101	0.00
25	T	2-Butanone	250.000	253.598	-1.4	107	0.00
26	T	2,2-Dichloropropane	50.000	49.494	1.0	105	0.00
27	T	cis-1,2-Dichloroethene	50.000	48.826	2.3	102	0.00
28	T	Bromochloromethane	50.000	46.586	6.8	96	-0.01
29	T	Tetrahydrofuran	250.000	253.375	-1.4	103	0.00
30	C	Chloroform	50.000	48.739	2.5#	101	0.00
31	T	Cyclohexane	50.000	45.999	8.0	101	0.00
32	T	1,1,1-Trichloroethane	50.000	48.978	2.0	101	0.00
33	S	1,2-Dichloroethane-d4	50.000	45.550	8.9	101	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	108	0.00
35	S	Dibromofluoromethane	50.000	45.559	8.9	100	0.00
36	T	1,1-Dichloropropene	50.000	46.663	6.7	101	0.00
37	T	Ethyl Acetate	50.000	49.241	1.5	105	-0.01
38	T	Carbon Tetrachloride	50.000	46.935	6.1	100	-0.01
39	T	Methylcyclohexane	50.000	48.597	2.8	103	0.00
40	TM	Benzene	50.000	47.357	5.3	100	0.00
41	T	Methacrylonitrile	50.000	50.490	-1.0	103	0.00
42	TM	1,2-Dichloroethane	50.000	46.867	6.3	98	0.00
43	T	Isopropyl Acetate	50.000	49.136	1.7	102	0.00
44	TM	Trichloroethene	50.000	48.037	3.9	101	0.00
45	C	1,2-Dichloropropane	50.000	48.053	3.9#	100	0.00
46	T	Dibromomethane	50.000	47.976	4.0	100	0.00
47	T	Bromodichloromethane	50.000	48.769	2.5	99	0.00
48	T	Methyl methacrylate	50.000	49.757	0.5	102	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047592.D
Acq On : 16 Sep 2025 13:35
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Quant Time: Sep 17 06:47:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 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	1089.520	-9.0	106	0.00
50	S	Toluene-d8	50.000	46.411	7.2	101	0.00
51	T	4-Methyl-2-Pentanone	250.000	255.752	-2.3	103	0.00
52	CM	Toluene	50.000	48.130	3.7#	101	0.00
53	T	t-1,3-Dichloropropene	50.000	49.527	0.9	101	0.00
54	T	cis-1,3-Dichloropropene	50.000	49.257	1.5	102	0.00
55	T	1,1,2-Trichloroethane	50.000	47.772	4.5	99	0.00
56	T	Ethyl methacrylate	50.000	51.490	-3.0	103	0.00
57	T	1,3-Dichloropropane	50.000	48.894	2.2	101	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	225.562	9.8	94	0.00
59	T	2-Hexanone	250.000	253.126	-1.3	104	0.00
60	T	Dibromochloromethane	50.000	49.824	0.4	101	0.00
61	T	1,2-Dibromoethane	50.000	49.297	1.4	101	0.00
62	S	4-Bromofluorobenzene	50.000	46.520	7.0	104	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	107	0.00
64	T	Tetrachloroethene	50.000	48.296	3.4	103	0.00
65	PM	Chlorobenzene	50.000	48.549	2.9	100	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	48.794	2.4	99	0.00
67	C	Ethyl Benzene	50.000	49.813	0.4#	102	0.00
68	T	m/p-Xylenes	100.000	98.956	1.0	101	0.00
69	T	o-Xylene	50.000	50.159	-0.3	101	0.00
70	T	Styrene	50.000	49.536	0.9	101	0.00
71	P	Bromoform	50.000	51.207	-2.4	102	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	109	0.00
73	T	Isopropylbenzene	50.000	49.479	1.0	101	0.00
74	T	N-amyl acetate	50.000	50.375	-0.8	102	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	49.851	0.3	102	0.00
76	T	1,2,3-Trichloropropane	50.000	53.124	-6.2	104	0.00
77	T	Bromobenzene	50.000	48.173	3.7	100	0.00
78	T	n-propylbenzene	50.000	49.295	1.4	101	0.00
79	T	2-Chlorotoluene	50.000	49.117	1.8	101	0.00
80	T	1,3,5-Trimethylbenzene	50.000	50.055	-0.1	102	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	50.543	-1.1	106	0.00
82	T	4-Chlorotoluene	50.000	49.164	1.7	101	0.00
83	T	tert-Butylbenzene	50.000	49.679	0.6	103	0.00
84	T	1,2,4-Trimethylbenzene	50.000	49.911	0.2	103	0.00
85	T	sec-Butylbenzene	50.000	50.100	-0.2	103	0.00
86	T	p-Isopropyltoluene	50.000	49.861	0.3	102	0.00
87	T	1,3-Dichlorobenzene	50.000	49.014	2.0	102	0.00
88	T	1,4-Dichlorobenzene	50.000	49.011	2.0	104	0.00
89	T	n-Butylbenzene	50.000	50.752	-1.5	105	0.00
90	T	Hexachloroethane	50.000	50.732	-1.5	105	0.00
91	T	1,2-Dichlorobenzene	50.000	49.304	1.4	102	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	50.918	-1.8	102	0.00
93	T	1,2,4-Trichlorobenzene	50.000	51.133	-2.3	104	0.00
94	T	Hexachlorobutadiene	50.000	52.131	-4.3	108	0.00
95	T	Naphthalene	50.000	50.836	-1.7	103	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047592.D
Acq On : 16 Sep 2025 13:35
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Quant Time: Sep 17 06:47:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 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	51.054	-2.1	102	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Alliance TECHNICAL GROUP

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	Alliance	Contract:	AECO15
Lab Code:	ACE	SDG No.:	Q3095
Instrument ID:	MSVOA_X	Calibration Date/Time:	09/17/2025 08:51
Lab File ID:	VX047601.D	Init. Calib. Date(s):	09/16/2025 09/16/2025
Heated Purge: (Y/N)	N	Init. Calib. Time(s):	09:23 12:01

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.518	0.588		13.51	20
Chloromethane	0.680	0.692	0.1	1.76	20
Vinyl Chloride	0.666	0.744		11.71	20
Bromomethane	0.422	0.456		8.06	20
Chloroethane	0.445	0.480		7.86	20
Trichlorofluoromethane	0.989	1.145		15.77	20
1,1,2-Trichlorotrifluoroethane	0.578	0.682		17.99	20
1,1-Dichloroethene	0.594	0.660		11.11	20
Acetone	0.346	0.406		17.34	20
Carbon Disulfide	1.626	1.690		3.94	20
Methyl tert-butyl Ether	2.169	2.249		3.69	20
Methyl Acetate	0.770	0.866		12.47	20
Methylene Chloride	0.732	0.734		0.27	20
trans-1,2-Dichloroethene	0.640	0.685		7.03	20
1,1-Dichloroethane	1.263	1.336	0.1	5.78	20
Cyclohexane	1.052	1.124		6.84	20
2-Butanone	0.432	0.454		5.09	20
Carbon Tetrachloride	0.532	0.581		9.21	20
cis-1,2-Dichloroethene	0.783	0.811		3.58	20
Bromochloromethane	0.551	0.577		4.72	20
Chloroform	1.276	1.326		3.92	20
1,1,1-Trichloroethane	1.082	1.164		7.58	20
Methylcyclohexane	0.556	0.646		16.19	20
Benzene	1.488	1.564		5.11	20
1,2-Dichloroethane	0.566	0.577		1.94	20
Trichloroethene	0.360	0.386		7.22	20
1,2-Dichloropropane	0.381	0.397		4.2	20
Bromodichloromethane	0.572	0.605		5.77	20
4-Methyl-2-Pentanone	0.477	0.481		0.84	20
Toluene	0.917	0.945		3.05	20
t-1,3-Dichloropropene	0.584	0.604		3.42	20
cis-1,3-Dichloropropene	0.624	0.650		4.17	20
1,1,2-Trichloroethane	0.354	0.354		0	20
2-Hexanone	0.343	0.342		-0.29	20
Dibromochloromethane	0.407	0.425		4.42	20
1,2-Dibromoethane	0.360	0.366		1.67	20
Tetrachloroethene	0.326	0.353		8.28	20
Chlorobenzene	1.136	1.193	0.3	5.02	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: Alliance
Contract: AECO15
Lab Code: ACE
SDG No.: Q3095
Instrument ID: MSVOA_X
Calibration Date/Time: 09/17/2025 08:51
Lab File ID: VX047601.D
Init. Calib. Date(s): 09/16/2025 09/16/2025
Heated Purge: (Y/N) N
Init. Calib. Time(s): 09:23 12:01
GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.960	2.137		9.03	20
m/p-Xylenes	0.729	0.793		8.78	20
o-Xylene	0.706	0.757		7.22	20
Styrene	1.236	1.311		6.07	20
Bromoform	0.293	0.312	0.1	6.49	20
Isopropylbenzene	3.801	4.316		13.55	20
1,1,2,2-Tetrachloroethane	1.150	1.208	0.3	5.04	20
1,3-Dichlorobenzene	1.739	1.839		5.75	20
1,4-Dichlorobenzene	1.785	1.872		4.87	20
1,2-Dichlorobenzene	1.657	1.766		6.58	20
1,2-Dibromo-3-Chloropropane	0.233	0.247		6.01	20
1,2,4-Trichlorobenzene	1.077	1.192		10.68	20
1,2,3-Trichlorobenzene	1.002	1.099		9.68	20
1,2-Dichloroethane-d4	0.796	0.768		-3.52	20
Dibromofluoromethane	0.335	0.352		5.07	20
Toluene-d8	1.160	1.191		2.67	20
4-Bromofluorobenzene	0.440	0.448		1.82	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\VX091725\
Data File : VX047601.D
Acq On : 17 Sep 2025 08:51
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 18 01:54:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.532	168	203321	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.739	114	347822	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	296232	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	138326	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.934	65	156158	48.251	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 96.500%			
35) Dibromofluoromethane	5.361	113	122336	52.444	ug/l	-0.01
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.880%			
50) Toluene-d8	8.629	98	414115	51.305	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 102.620%			
62) 4-Bromofluorobenzene	11.061	95	155790	50.857	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 101.720%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.173	85	119481	56.749	ug/l	99
3) Chloromethane	1.301	50	140740	50.862	ug/l	100
4) Vinyl Chloride	1.380	62	151331	55.869	ug/l	100
5) Bromomethane	1.618	94	92690	53.964	ug/l	96
6) Chloroethane	1.697	64	97613	53.918	ug/l	97
7) Trichlorofluoromethane	1.892	101	232711	57.862	ug/l	96
8) Diethyl Ether	2.136	74	86715	52.708	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.331	101	138693	58.976	ug/l	99
10) Methyl Iodide	2.453	142	184404	50.278	ug/l	98
11) Tert butyl alcohol	2.941	59	88953	246.787	ug/l	99
12) 1,1-Dichloroethene	2.319	96	134210	55.558	ug/l	96
13) Acrolein	2.233	56	93978	282.934	ug/l	98
14) Allyl chloride	2.660	41	260381	52.235	ug/l	99
15) Acrylonitrile	3.050	53	346249	259.342	ug/l	100
16) Acetone	2.368	43	412272	292.978	ug/l	100
17) Carbon Disulfide	2.514	76	343597	51.957	ug/l	99
18) Methyl Acetate	2.697	43	176029	56.209	ug/l	100
19) Methyl tert-butyl Ether	3.105	73	457213	51.848	ug/l	98
20) Methylene Chloride	2.788	84	149231	50.101	ug/l	98
21) trans-1,2-Dichloroethene	3.087	96	139328	53.572	ug/l	99
22) Diisopropyl ether	3.745	45	503750	52.144	ug/l	90
23) Vinyl Acetate	3.709	43	1974431	255.362	ug/l	99
24) 1,1-Dichloroethane	3.599	63	271584	52.891	ug/l	100
25) 2-Butanone	4.532	43	461527	262.937	ug/l	99
26) 2,2-Dichloropropane	4.465	77	232006	54.356	ug/l	99
27) cis-1,2-Dichloroethene	4.471	96	164885	51.768	ug/l	99
28) Bromochloromethane	4.879	49	117231	52.297	ug/l	100
29) Tetrahydrofuran	4.983	42	259287	245.552	ug/l	99
30) Chloroform	5.074	83	269634	51.965	ug/l	99
31) Cyclohexane	5.452	56	228628	53.460	ug/l	97
32) 1,1,1-Trichloroethane	5.367	97	236638	53.767	ug/l	100
36) 1,1-Dichloropropene	5.672	75	179063	52.533	ug/l	98
37) Ethyl Acetate	4.690	43	185174	50.738	ug/l	98
38) Carbon Tetrachloride	5.660	117	202037	54.553	ug/l	96
39) Methylcyclohexane	7.361	83	224624	58.054	ug/l	98
40) Benzene	6.019	78	543983	52.544	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091725\
Data File : VX047601.D
Acq On : 17 Sep 2025 08:51
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 18 01:54:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.898	41	97332	51.658	ug/l		98
42) 1,2-Dichloroethane	6.068	62	200768	50.968	ug/l		100
43) Isopropyl Acetate	6.318	43	302179	50.484	ug/l		100
44) Trichloroethene	7.104	130	134308	53.660	ug/l		99
45) 1,2-Dichloropropane	7.409	63	137917	52.025	ug/l		100
46) Dibromomethane	7.562	93	97841	50.718	ug/l		98
47) Bromodichloromethane	7.806	83	210363	52.844	ug/l		98
48) Methyl methacrylate	7.671	41	149698	50.209	ug/l		99
49) 1,4-Dioxane	7.641	88	32423	1076.055	ug/l		97
51) 4-Methyl-2-Pentanone	8.555	43	837167	252.257	ug/l		100
52) Toluene	8.702	92	328796	51.549	ug/l		98
53) t-1,3-Dichloropropene	8.958	75	209983	51.714	ug/l		98
54) cis-1,3-Dichloropropene	8.348	75	226019	52.078	ug/l		97
55) 1,1,2-Trichloroethane	9.135	97	123219	50.100	ug/l		99
56) Ethyl methacrylate	9.098	69	201937	52.281	ug/l		98
57) 1,3-Dichloropropane	9.287	76	215669	51.047	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.220	63	485057	261.994	ug/l		100
59) 2-Hexanone	9.415	43	595228	249.728	ug/l		99
60) Dibromochloromethane	9.500	129	147809	52.158	ug/l		99
61) 1,2-Dibromoethane	9.592	107	127323	50.826	ug/l		100
64) Tetrachloroethene	9.257	164	104642	54.187	ug/l		98
65) Chlorobenzene	10.061	112	353279	52.495	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.147	131	124449	53.589	ug/l		100
67) Ethyl Benzene	10.177	91	632906	54.505	ug/l		99
68) m/p-Xylenes	10.281	106	469648	108.664	ug/l		100
69) o-Xylene	10.622	106	224265	53.647	ug/l		100
70) Styrene	10.634	104	388352	53.018	ug/l		100
71) Bromoform	10.781	173	92500	53.344	ug/l	#	99
73) Isopropylbenzene	10.945	105	597002	56.769	ug/l		100
74) N-amyl acetate	10.823	43	255134	53.201	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.195	83	167142	52.532	ug/l		100
76) 1,2,3-Trichloropropane	11.220	75	134404m	47.990	ug/l		
77) Bromobenzene	11.177	156	139045	53.683	ug/l		98
78) n-propylbenzene	11.287	91	700672	56.362	ug/l		100
79) 2-Chlorotoluene	11.348	91	414287	54.410	ug/l		100
80) 1,3,5-Trimethylbenzene	11.433	105	480850	55.653	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.000	75	58064	52.870	ug/l		97
82) 4-Chlorotoluene	11.433	91	491100	54.611	ug/l		100
83) tert-Butylbenzene	11.695	119	497751	56.276	ug/l		100
84) 1,2,4-Trimethylbenzene	11.732	105	478593	54.636	ug/l		100
85) sec-Butylbenzene	11.872	105	604477	57.537	ug/l		100
86) p-Isopropyltoluene	11.988	119	502524	56.500	ug/l		99
87) 1,3-Dichlorobenzene	11.951	146	254401	52.880	ug/l		100
88) 1,4-Dichlorobenzene	12.024	146	258994	52.453	ug/l		100
89) n-Butylbenzene	12.311	91	478143	58.099	ug/l		99
90) Hexachloroethane	12.518	117	89396	57.248	ug/l		98
91) 1,2-Dichlorobenzene	12.317	146	244300	53.301	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.921	75	34194	53.081	ug/l		99
93) 1,2,4-Trichlorobenzene	13.567	180	164946	55.373	ug/l		98
94) Hexachlorobutadiene	13.707	225	59191	58.500	ug/l		99
95) Naphthalene	13.756	128	470770	51.900	ug/l		100
96) 1,2,3-Trichlorobenzene	13.939	180	152049	54.873	ug/l		100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091725\
Data File : VX047601.D
Acq On : 17 Sep 2025 08:51
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 18 01:54:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

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

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

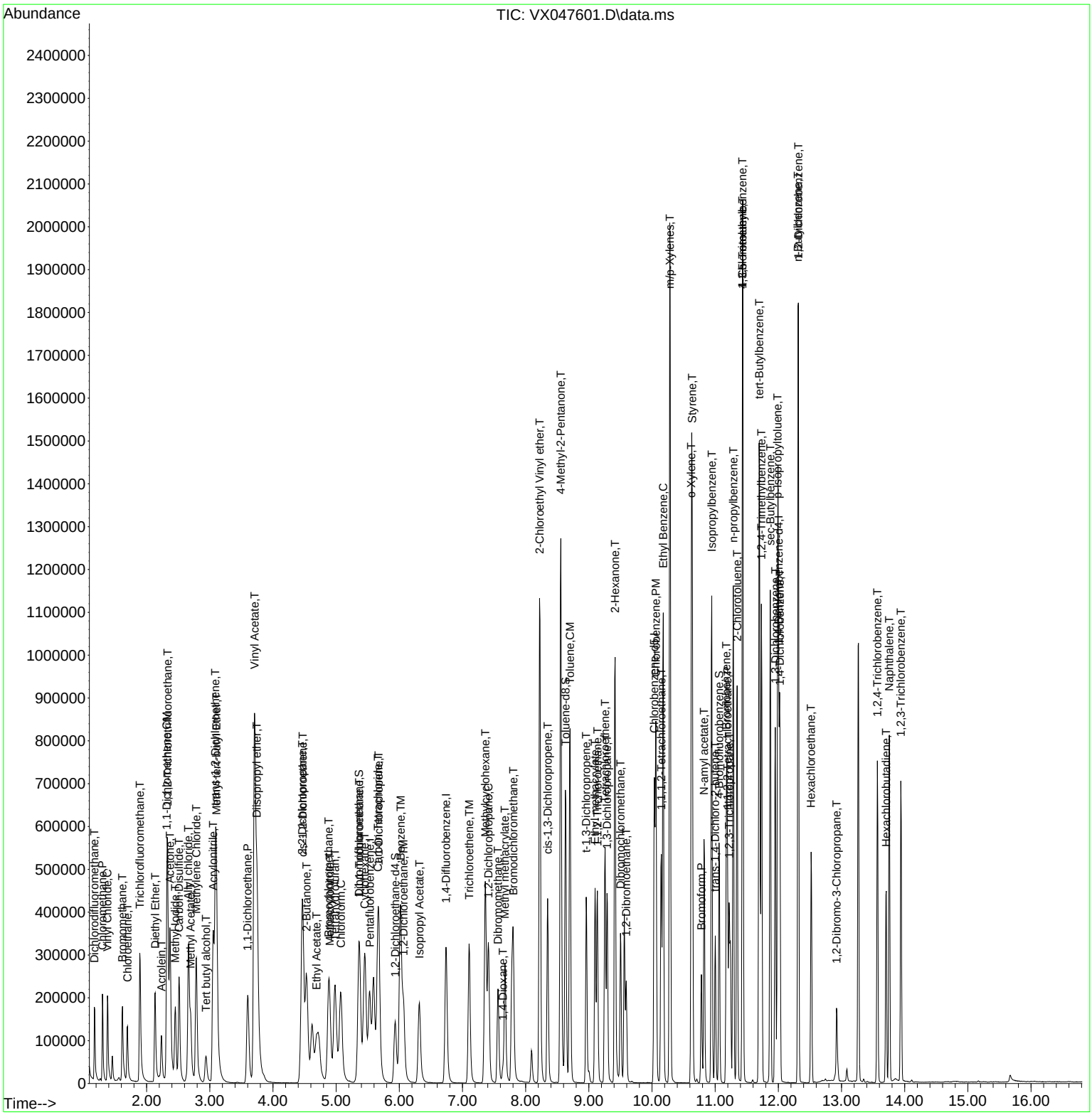
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091725\
Data File : VX047601.D
Acq On : 17 Sep 2025 08:51
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

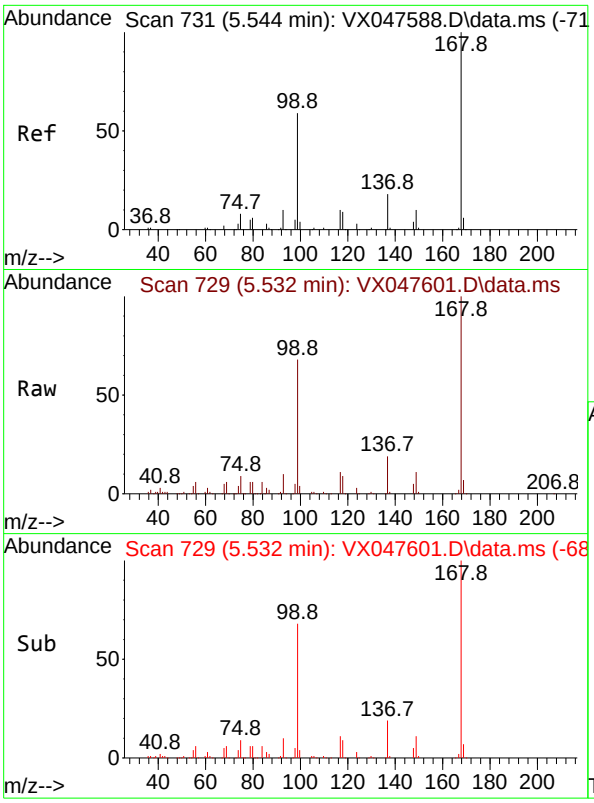
Quant Time: Sep 18 01:54:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

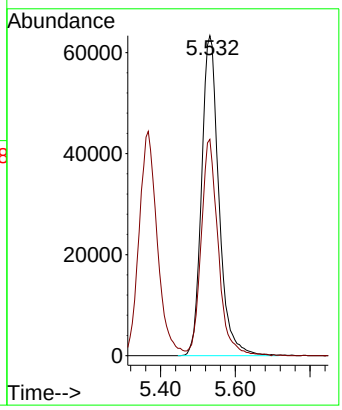




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.532 min Scan# 7
Delta R.T. -0.012 min
Lab File: VX047601.D
Acq: 17 Sep 2025 08:51

Tgt Ion:168 Resp: 20332

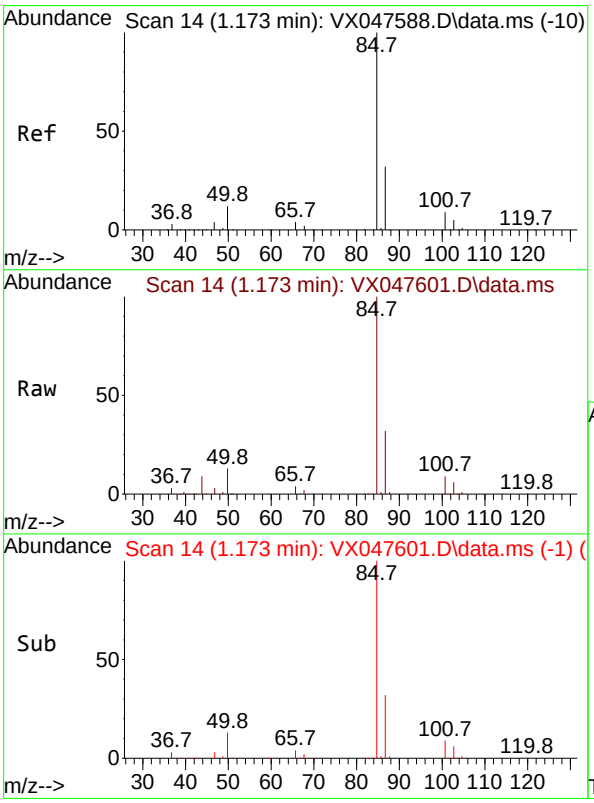
Ion	Ratio	Lower	Upper
168	100		
99	67.5	48.8	73.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

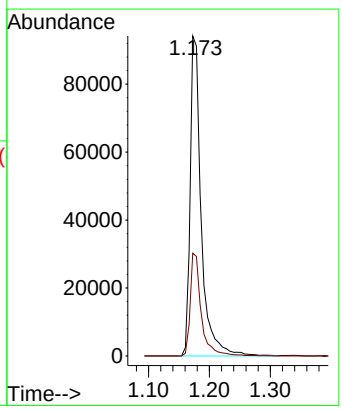
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

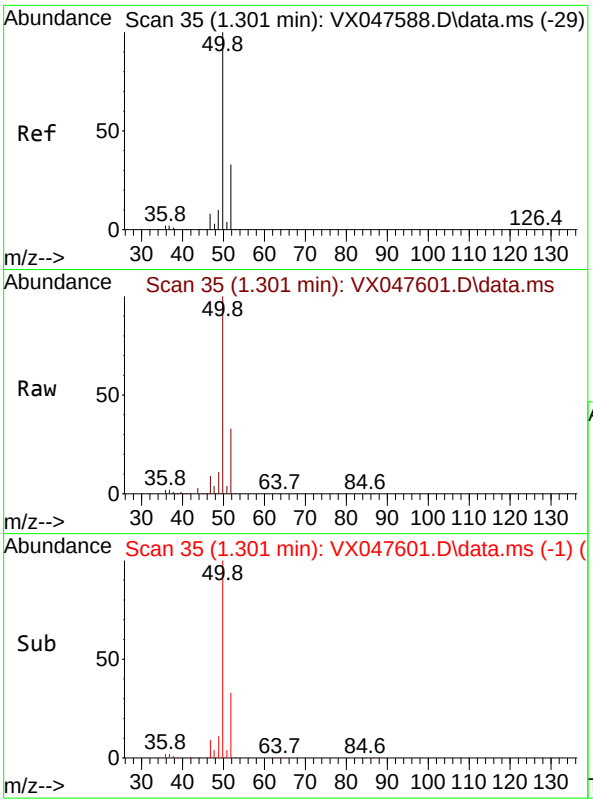


#2
Dichlorodifluoromethane
Concen: 56.749 ug/l
RT: 1.173 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047601.D
Acq: 17 Sep 2025 08:51

Tgt Ion: 85 Resp: 119481

Ion	Ratio	Lower	Upper
85	100		
87	32.1	15.8	47.3

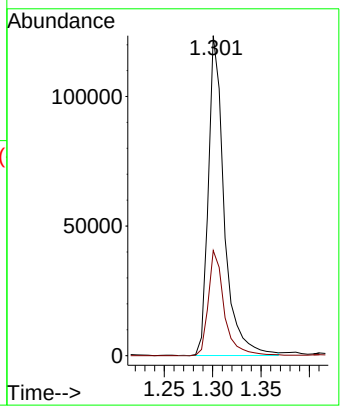




#3
Chloromethane
Concen: 50.862 ug/l
RT: 1.301 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX047601.D
Acq: 17 Sep 2025 08:51

Tgt Ion: 50 Resp: 14074

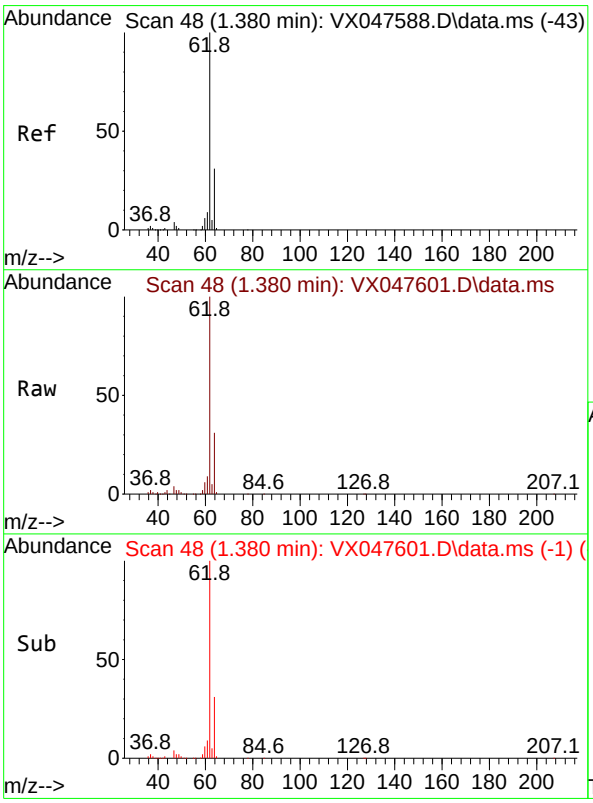
Ion	Ratio	Lower	Upper
50	100		
52	32.9	26.1	39.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

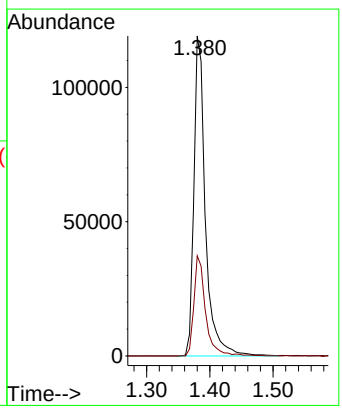
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

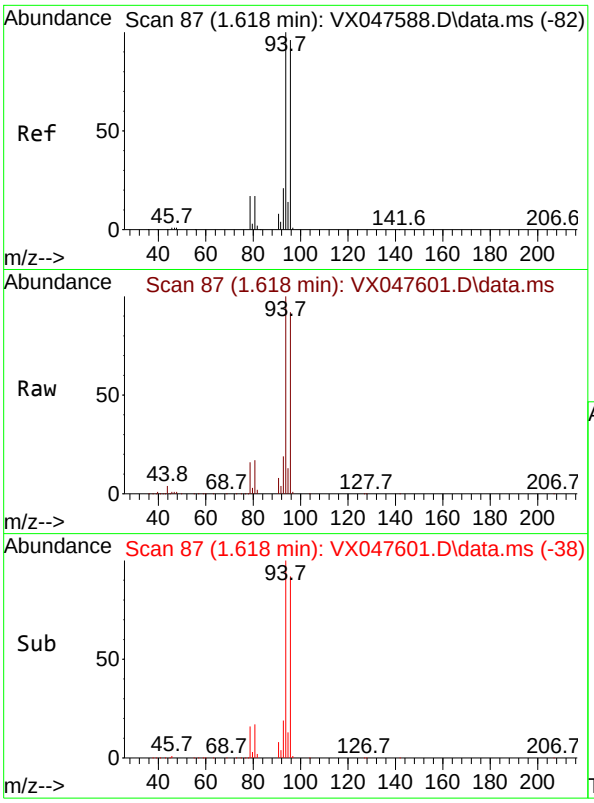


#4
Vinyl Chloride
Concen: 55.869 ug/l
RT: 1.380 min Scan# 48
Delta R.T. 0.000 min
Lab File: VX047601.D
Acq: 17 Sep 2025 08:51

Tgt Ion: 62 Resp: 151331

Ion	Ratio	Lower	Upper
62	100		
64	31.3	24.9	37.3

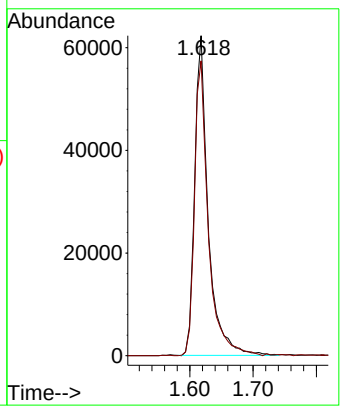




#5
Bromomethane
Concen: 53.964 ug/l
RT: 1.618 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX047601.D
Acq: 17 Sep 2025 08:51

Tgt Ion: 94 Resp: 9269

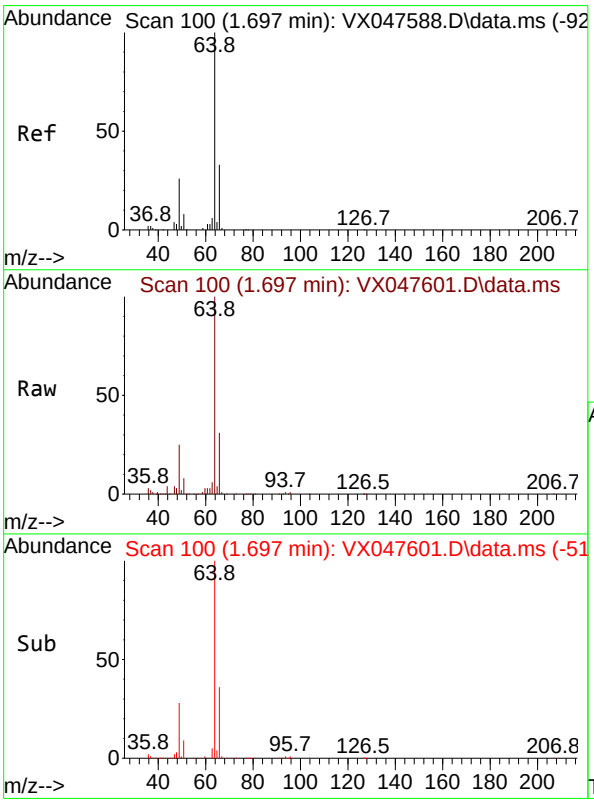
Ion	Ratio	Lower	Upper
94	100		
96	92.3	76.6	115.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

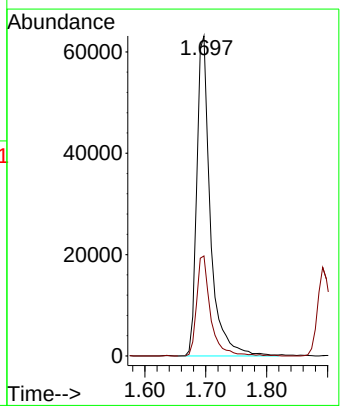
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

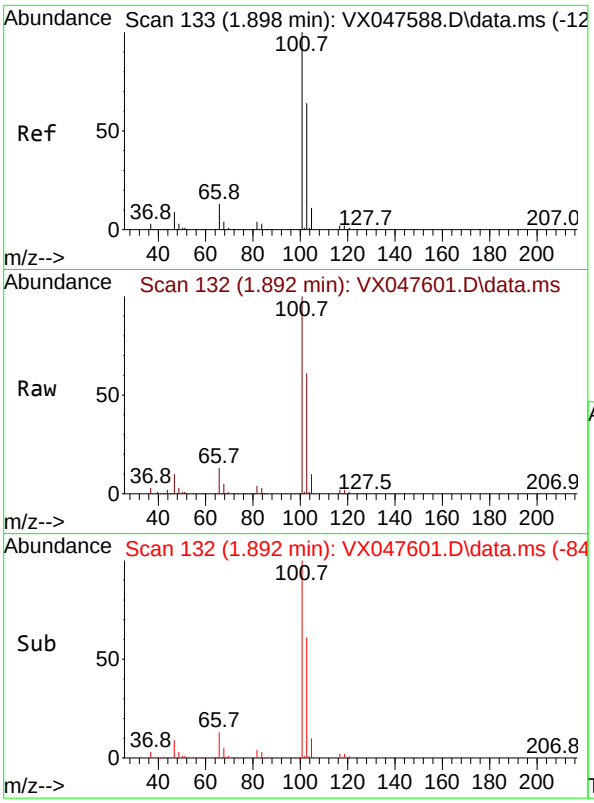


#6
Chloroethane
Concen: 53.918 ug/l
RT: 1.697 min Scan# 100
Delta R.T. 0.000 min
Lab File: VX047601.D
Acq: 17 Sep 2025 08:51

Tgt Ion: 64 Resp: 97613

Ion	Ratio	Lower	Upper
64	100		
66	31.2	26.1	39.1

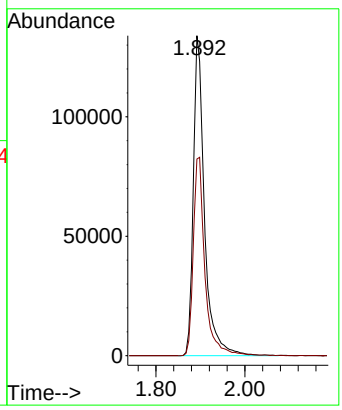




#7
Trichlorofluoromethane
Concen: 57.862 ug/l
RT: 1.892 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047601.D
Acq: 17 Sep 2025 08:51

Tgt Ion:101 Resp: 23271

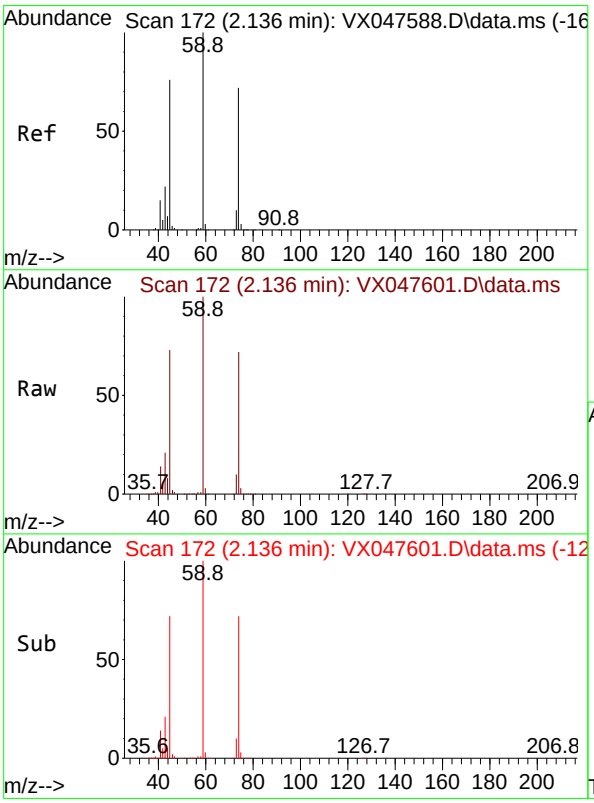
Ion	Ratio	Lower	Upper
101	100		
103	61.4	51.4	77.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

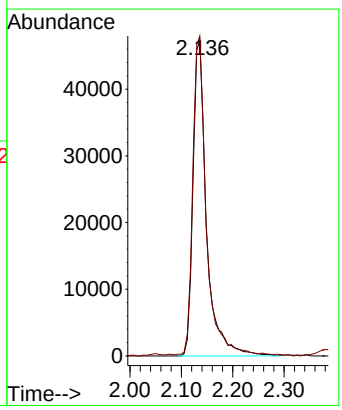
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

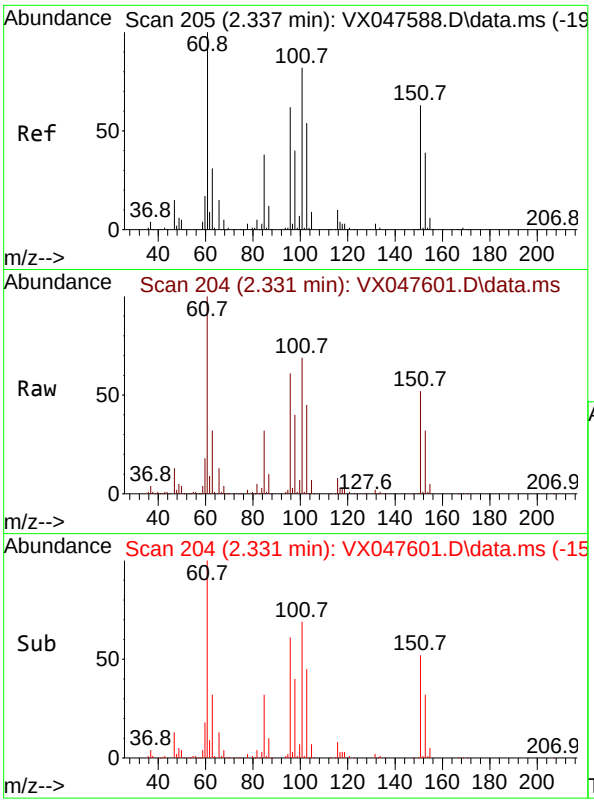


#8
Diethyl Ether
Concen: 52.708 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.000 min
Lab File: VX047601.D
Acq: 17 Sep 2025 08:51

Tgt Ion: 74 Resp: 86715

Ion	Ratio	Lower	Upper
74	100		
45	100.5	52.3	156.8





#9
1,1,2-Trichlorotrifluoroethane
Concen: 58.976 ug/l
RT: 2.331 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047601.D
Acq: 17 Sep 2025 08:51

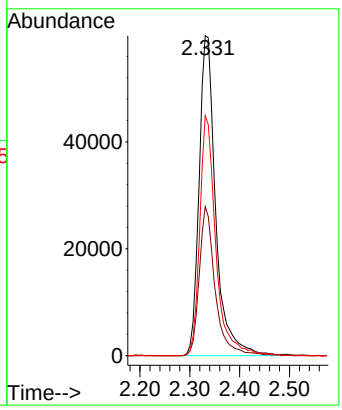
Tgt Ion:101 Resp: 13869

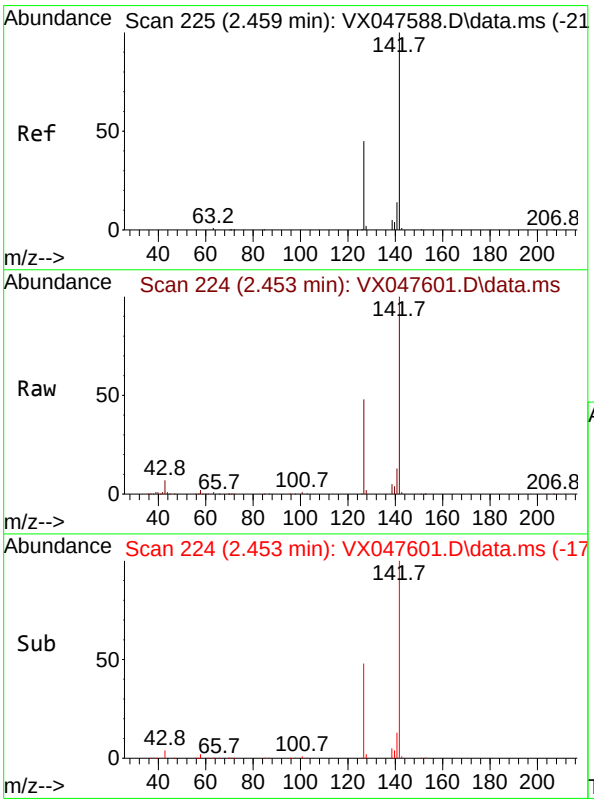
Ion	Ratio	Lower	Upper
101	100		
85	44.8	35.5	53.3
151	72.7	59.4	89.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

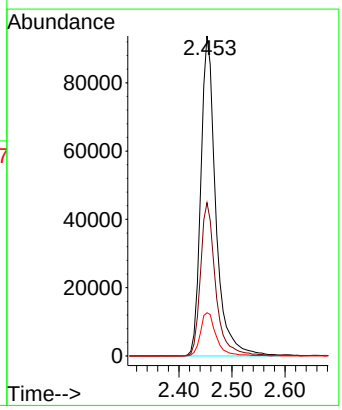


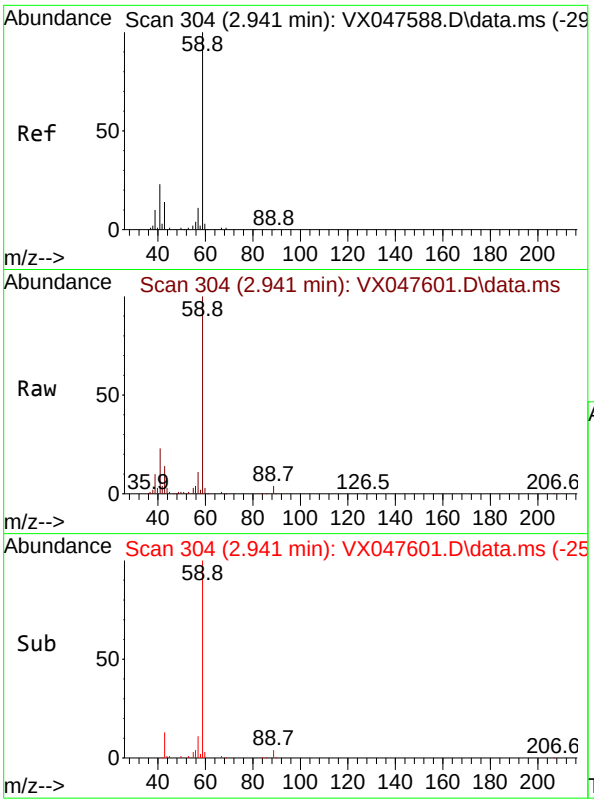


#10
Methyl Iodide
Concen: 50.278 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.006 min
Lab File: VX047601.D
Acq: 17 Sep 2025 08:51

Tgt Ion:142 Resp: 184404

Ion	Ratio	Lower	Upper
142	100		
127	48.4	37.2	55.8
141	14.3	11.4	17.0





#11
Tert butyl alcohol
Concen: 246.787 ug/l
RT: 2.941 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX047601.D
Acq: 17 Sep 2025 08:51

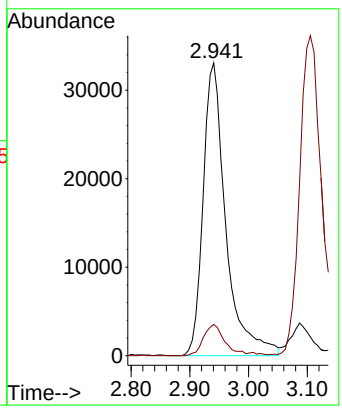
Tgt Ion: 59 Resp: 8895

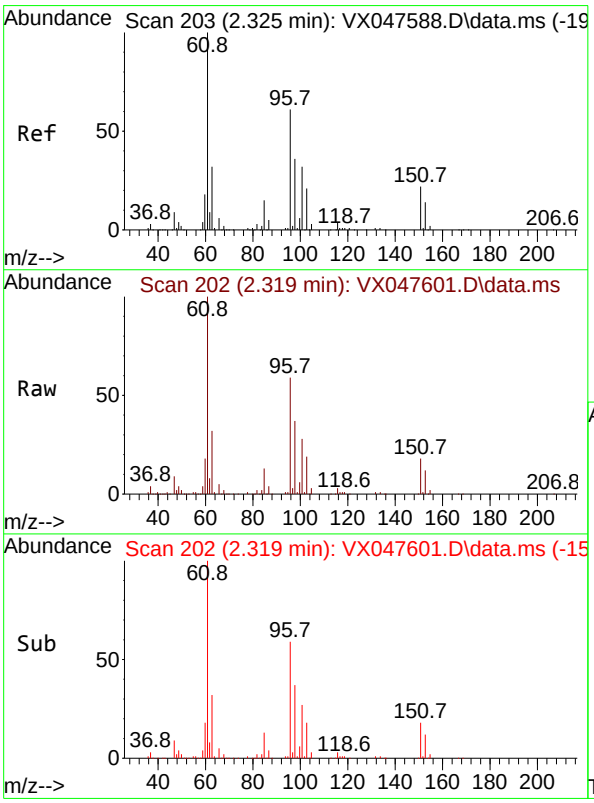
Ion	Ratio	Lower	Upper
59	100		
57	10.0	8.3	12.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

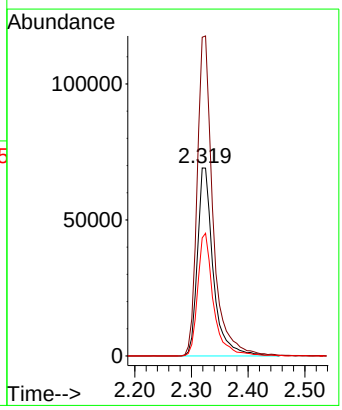


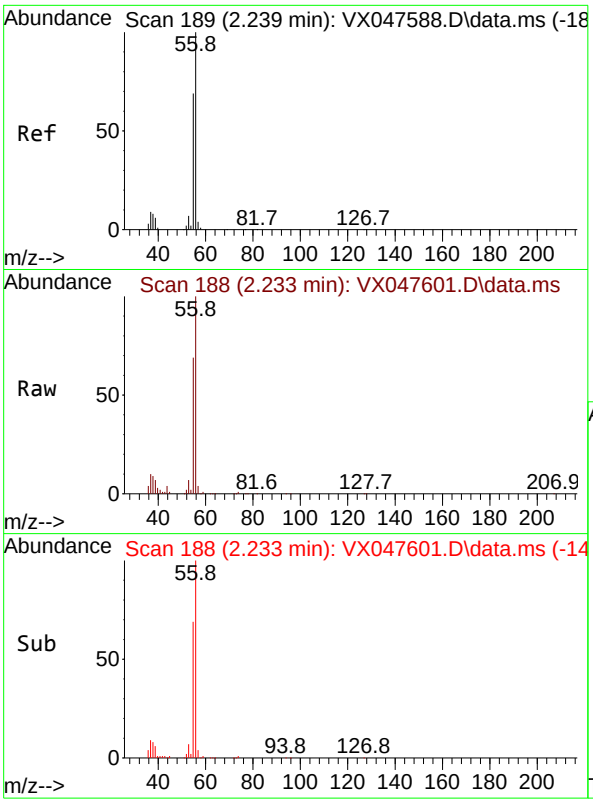


#12
1,1-Dichloroethene
Concen: 55.558 ug/l
RT: 2.319 min Scan# 202
Delta R.T. -0.006 min
Lab File: VX047601.D
Acq: 17 Sep 2025 08:51

Tgt Ion: 96 Resp: 134210

Ion	Ratio	Lower	Upper
96	100		
61	169.6	131.0	196.6
98	62.8	47.7	71.5

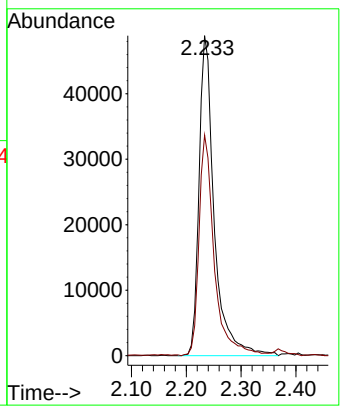




#13
Acrolein
Concen: 282.934 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047601.D
Acq: 17 Sep 2025 08:51

Tgt Ion: 56 Resp: 9397

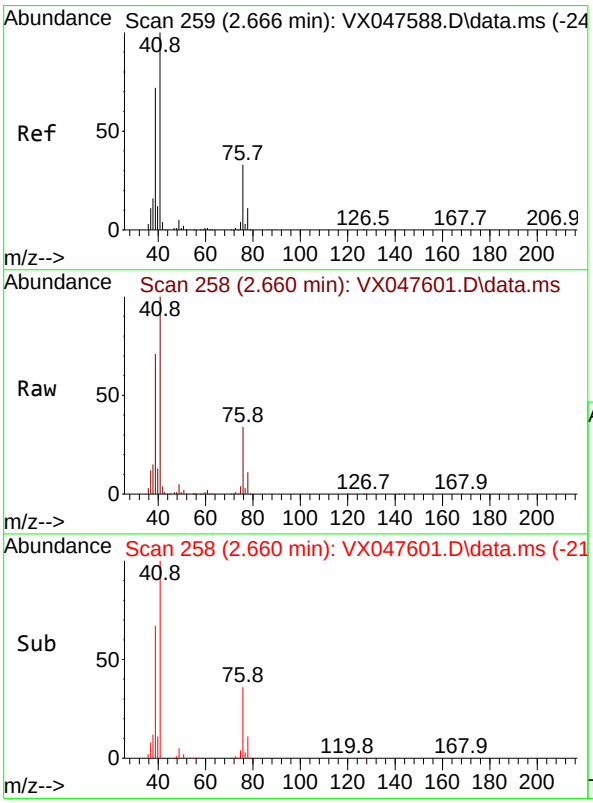
Ion	Ratio	Lower	Upper
56	100		
55	69.6	57.2	85.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

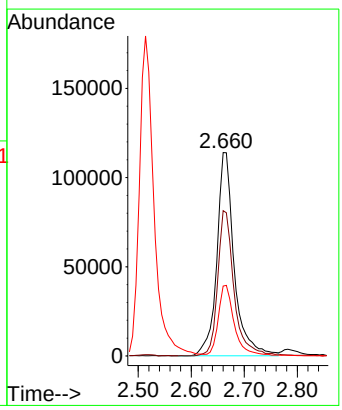
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

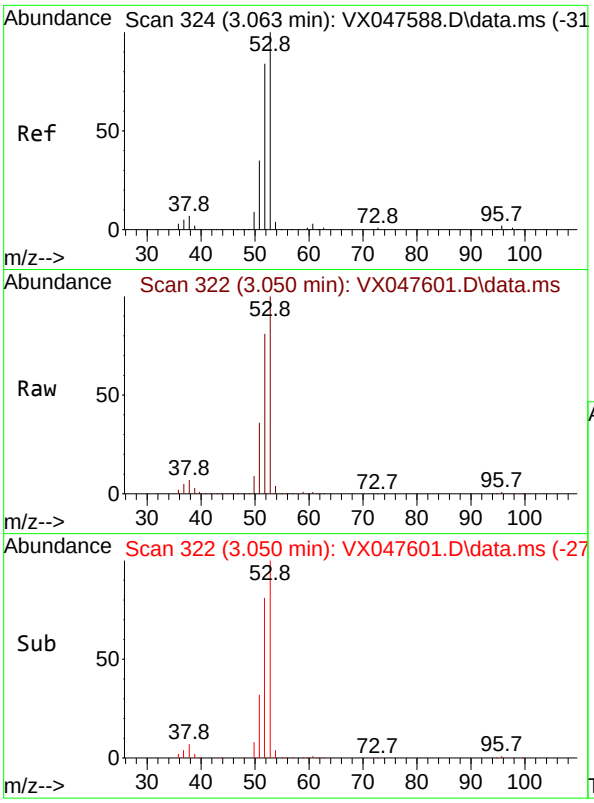


#14
Allyl chloride
Concen: 52.235 ug/l
RT: 2.660 min Scan# 258
Delta R.T. -0.006 min
Lab File: VX047601.D
Acq: 17 Sep 2025 08:51

Tgt Ion: 41 Resp: 260381

Ion	Ratio	Lower	Upper
41	100		
39	67.3	54.7	82.1
76	32.1	25.7	38.5

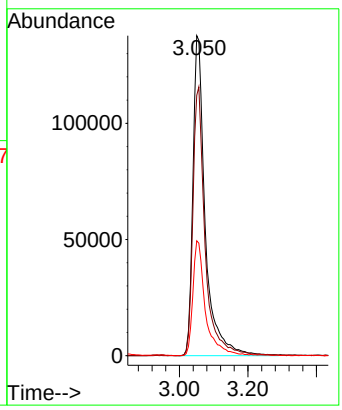




#15
Acrylonitrile
Concen: 259.342 ug/l
RT: 3.050 min Scan# 3
Delta R.T. -0.012 min
Lab File: VX047601.D
Acq: 17 Sep 2025 08:51

Tgt Ion: 53 Resp: 34624

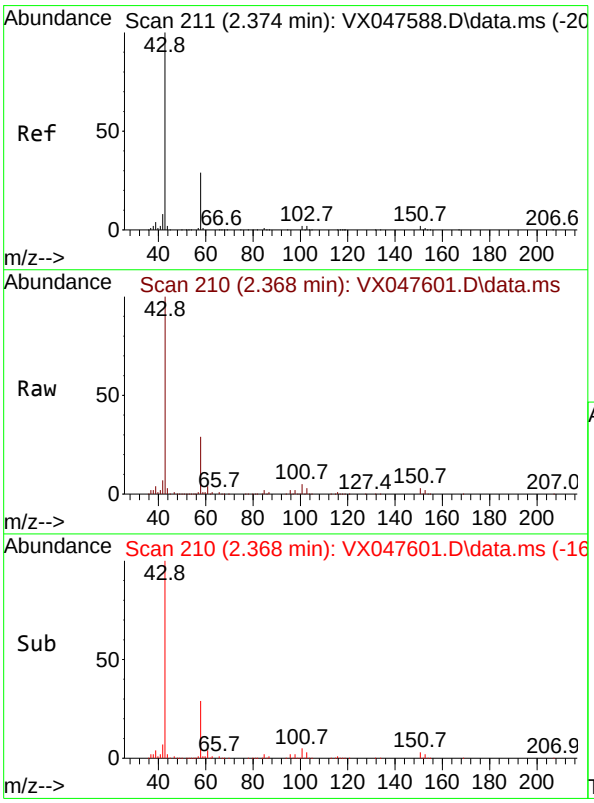
Ion	Ratio	Lower	Upper
53	100		
52	82.7	66.4	99.6
51	36.7	29.5	44.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

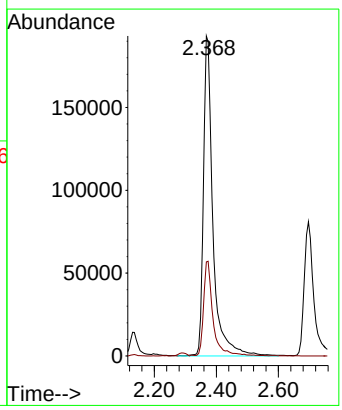
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

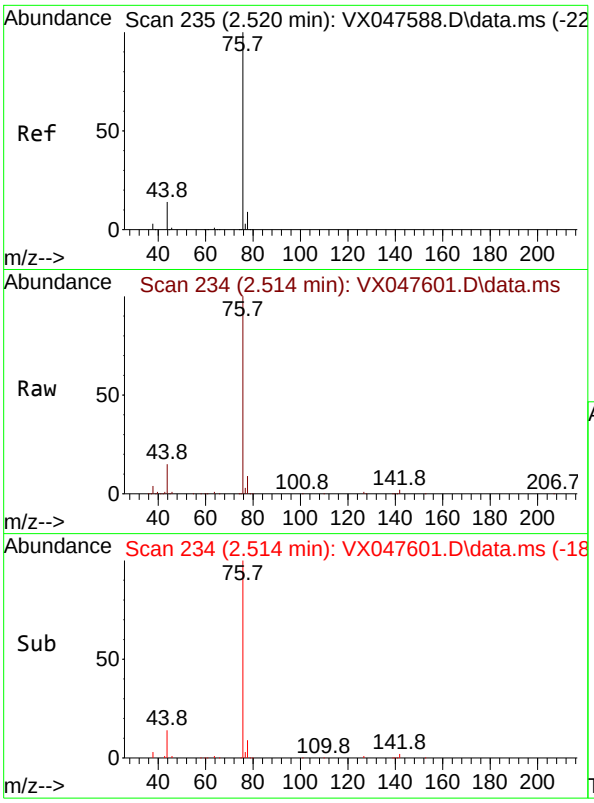


#16
Acetone
Concen: 292.978 ug/l
RT: 2.368 min Scan# 210
Delta R.T. -0.006 min
Lab File: VX047601.D
Acq: 17 Sep 2025 08:51

Tgt Ion: 43 Resp: 412272

Ion	Ratio	Lower	Upper
43	100		
58	29.4	23.4	35.0

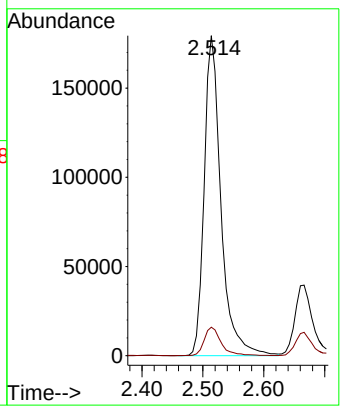




#17
Carbon Disulfide
Concen: 51.957 ug/l
RT: 2.514 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047601.D
Acq: 17 Sep 2025 08:51

Tgt Ion: 76 Resp: 34359

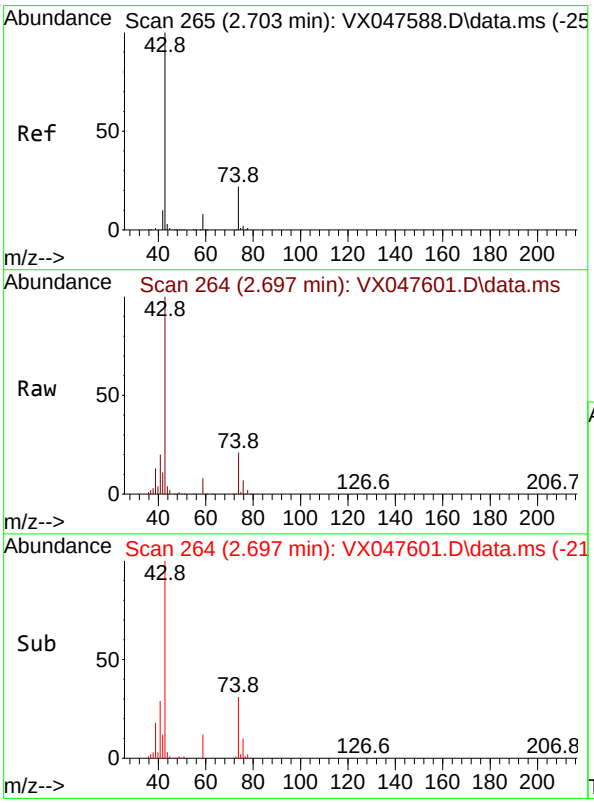
Ion	Ratio	Lower	Upper
76	100		
78	8.9	6.8	10.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

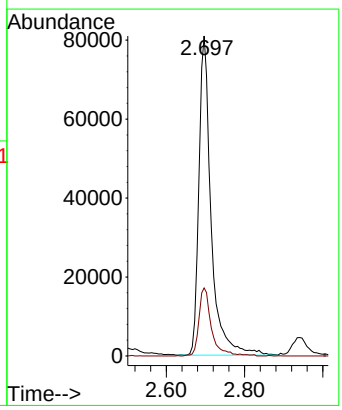
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

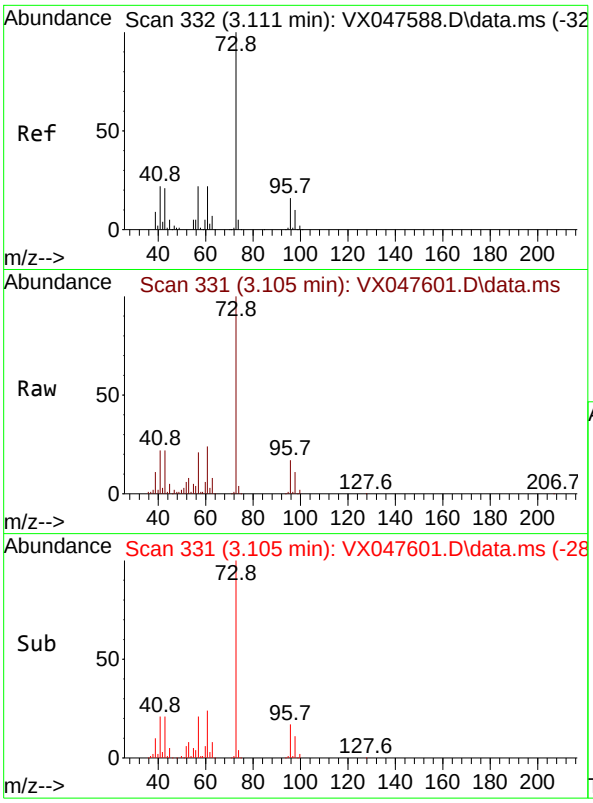


#18
Methyl Acetate
Concen: 56.209 ug/l
RT: 2.697 min Scan# 264
Delta R.T. -0.006 min
Lab File: VX047601.D
Acq: 17 Sep 2025 08:51

Tgt Ion: 43 Resp: 176029

Ion	Ratio	Lower	Upper
43	100		
74	21.9	17.4	26.2

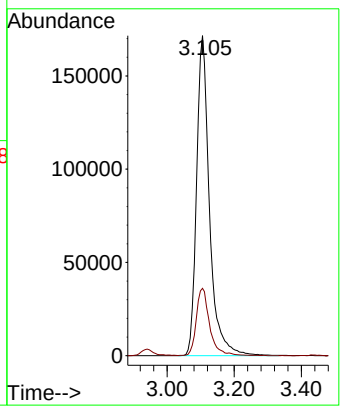




#19
Methyl tert-butyl Ether
Concen: 51.848 ug/l
RT: 3.105 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047601.D
Acq: 17 Sep 2025 08:51

Tgt Ion: 73 Resp: 45721

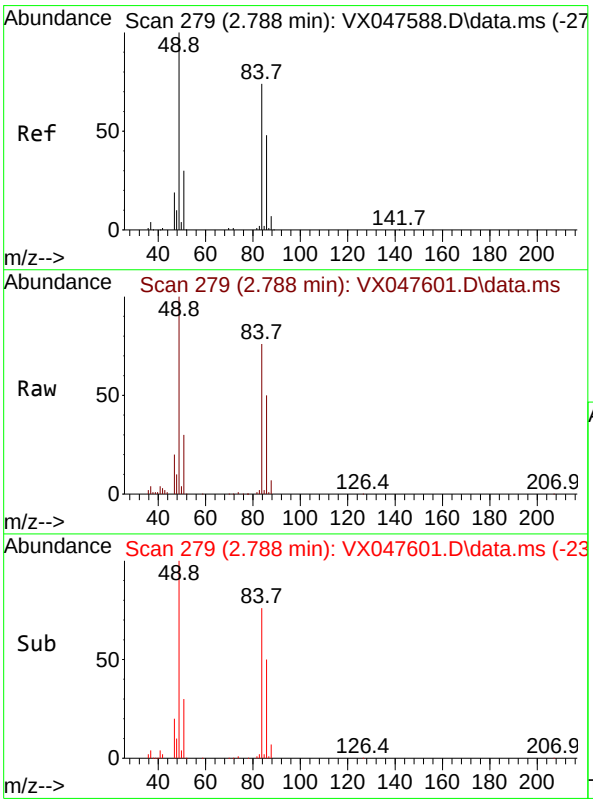
Ion	Ratio	Lower	Upper
73	100		
57	21.1	17.4	26.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

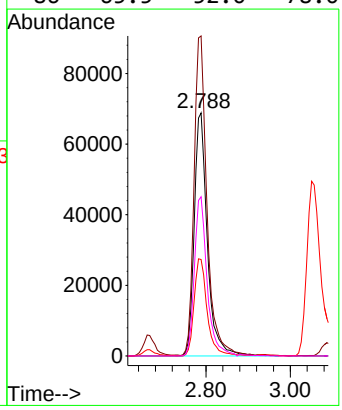
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

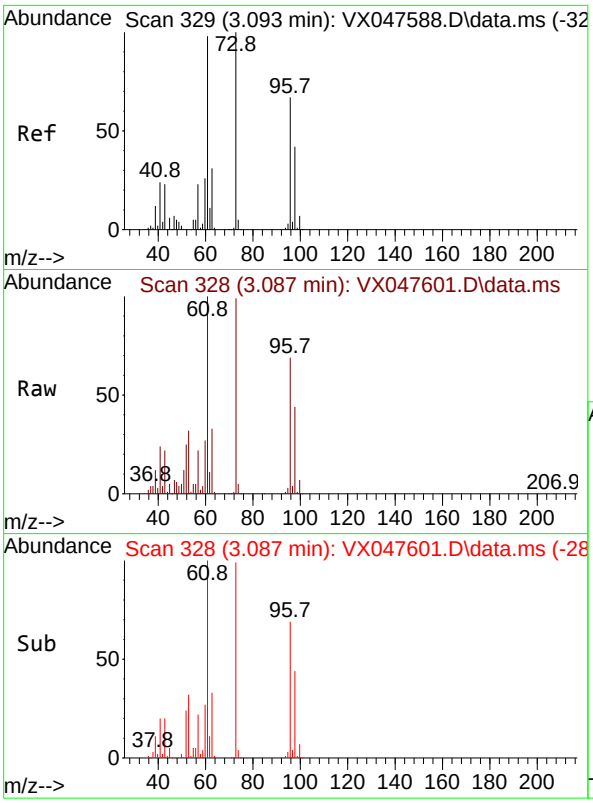


#20
Methylene Chloride
Concen: 50.101 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX047601.D
Acq: 17 Sep 2025 08:51

Tgt Ion: 84 Resp: 149231

Ion	Ratio	Lower	Upper
84	100		
49	131.4	108.6	162.8
51	39.6	32.6	48.8
86	65.5	52.0	78.0

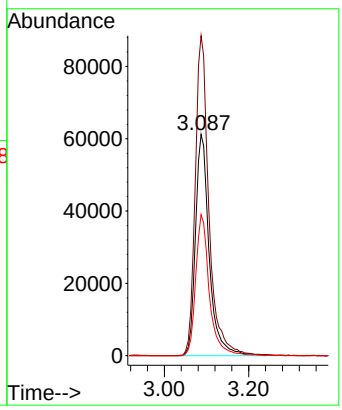




#21
trans-1,2-Dichloroethene
Concen: 53.572 ug/l
RT: 3.087 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047601.D
Acq: 17 Sep 2025 08:51

Tgt Ion: 96 Resp: 13932

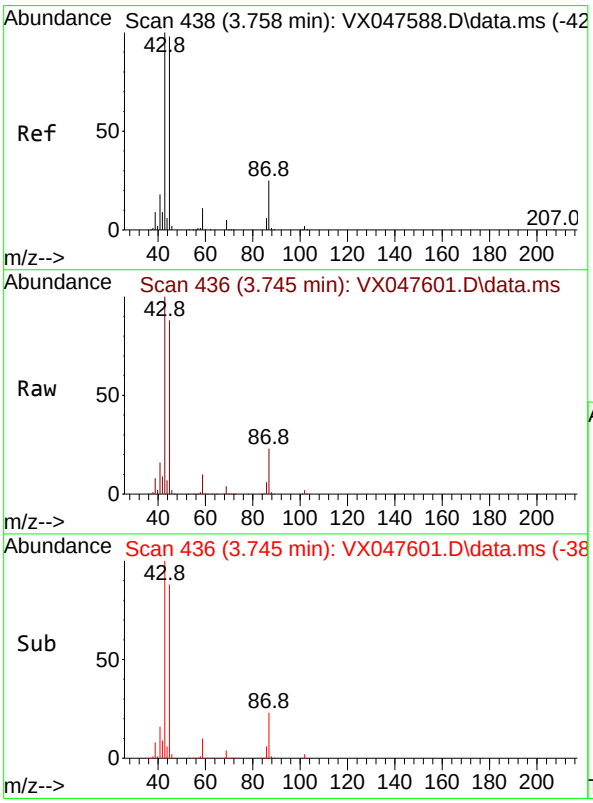
Ion	Ratio	Lower	Upper
96	100		
61	144.6	116.2	174.2
98	63.8	49.3	73.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

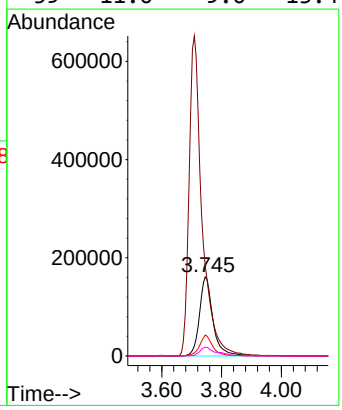
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

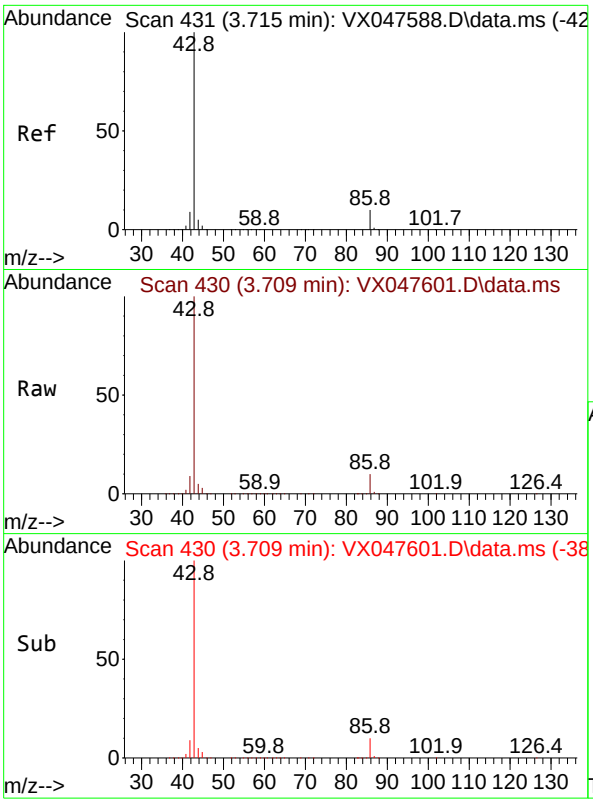


#22
Diisopropyl ether
Concen: 52.144 ug/l
RT: 3.745 min Scan# 436
Delta R.T. -0.012 min
Lab File: VX047601.D
Acq: 17 Sep 2025 08:51

Tgt Ion: 45 Resp: 503750

Ion	Ratio	Lower	Upper
45	100		
43	113.9	81.0	121.4
87	26.6	20.3	30.5
59	11.0	9.0	13.4

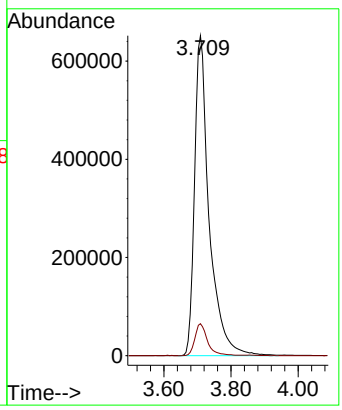




#23
Vinyl Acetate
Concen: 255.362 ug/l
RT: 3.709 min Scan# 4
Delta R.T. -0.006 min
Lab File: VX047601.D
Acq: 17 Sep 2025 08:51

Tgt Ion: 43 Resp: 197443

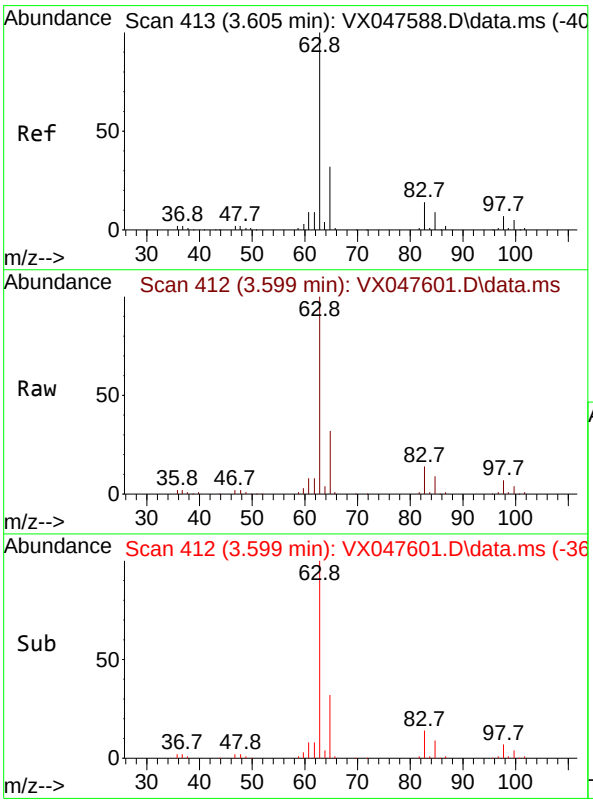
Ion	Ratio	Lower	Upper
43	100		
86	10.0	7.8	11.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

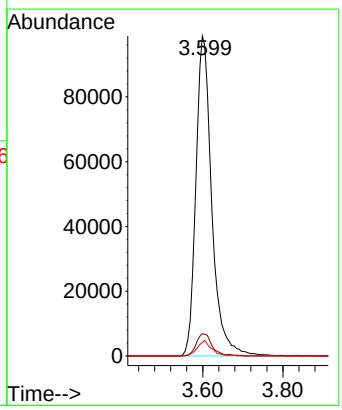
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

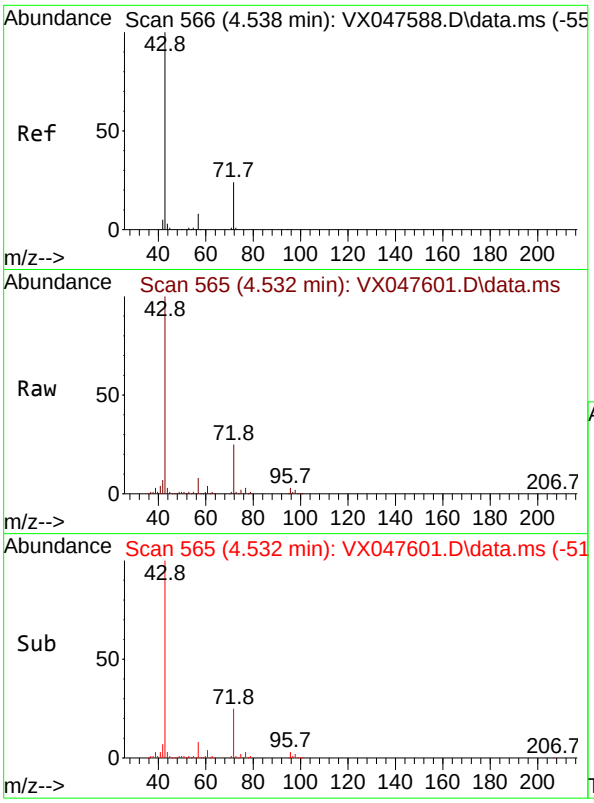


#24
1,1-Dichloroethane
Concen: 52.891 ug/l
RT: 3.599 min Scan# 412
Delta R.T. -0.006 min
Lab File: VX047601.D
Acq: 17 Sep 2025 08:51

Tgt Ion: 63 Resp: 271584

Ion	Ratio	Lower	Upper
63	100		
98	7.5	3.8	11.2
100	4.4	2.3	6.9

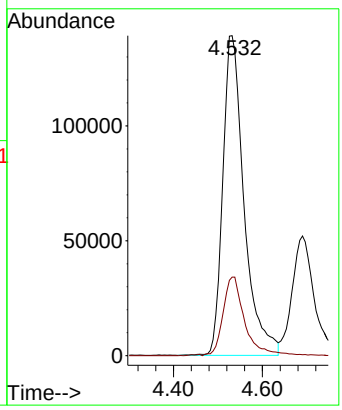




#25
2-Butanone
Concen: 262.937 ug/l
RT: 4.532 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX047601.D
Acq: 17 Sep 2025 08:51

Tgt Ion: 43 Resp: 46152

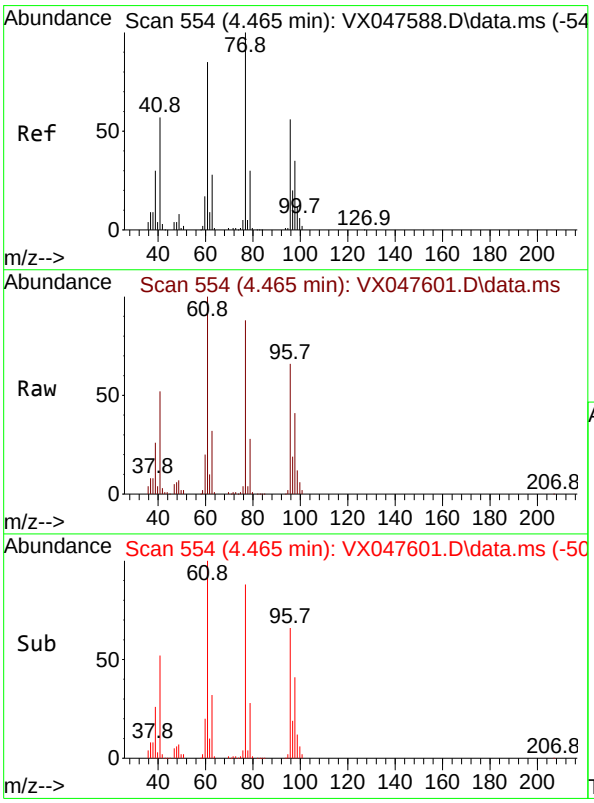
Ion	Ratio	Lower	Upper
43	100		
72	24.6	20.1	30.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

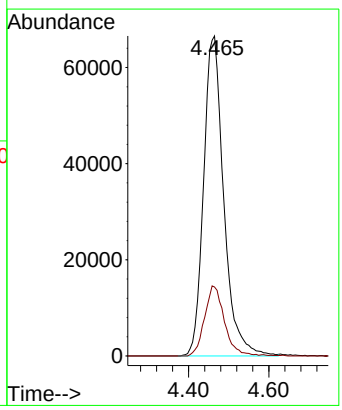
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

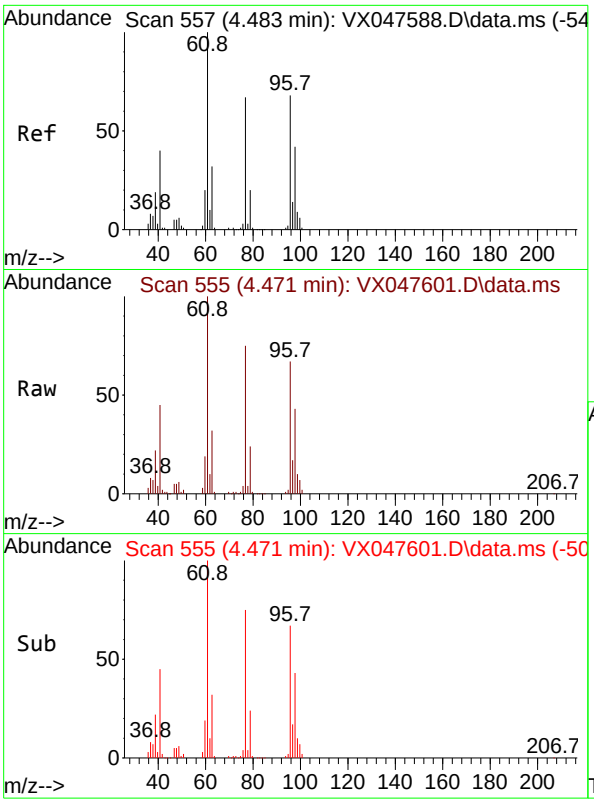


#26
2,2-Dichloropropane
Concen: 54.356 ug/l
RT: 4.465 min Scan# 554
Delta R.T. 0.000 min
Lab File: VX047601.D
Acq: 17 Sep 2025 08:51

Tgt Ion: 77 Resp: 232006

Ion	Ratio	Lower	Upper
77	100		
97	21.5	10.9	32.7

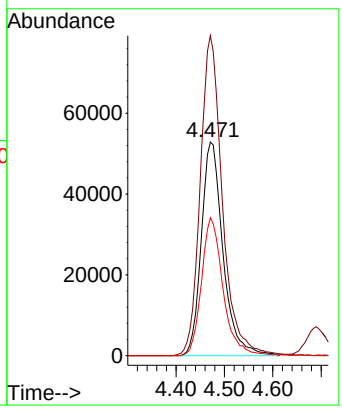




#27
cis-1,2-Dichloroethene
Concen: 51.768 ug/l
RT: 4.471 min Scan# 5
Delta R.T. -0.012 min
Lab File: VX047601.D
Acq: 17 Sep 2025 08:51

Tgt Ion: 96 Resp: 16488

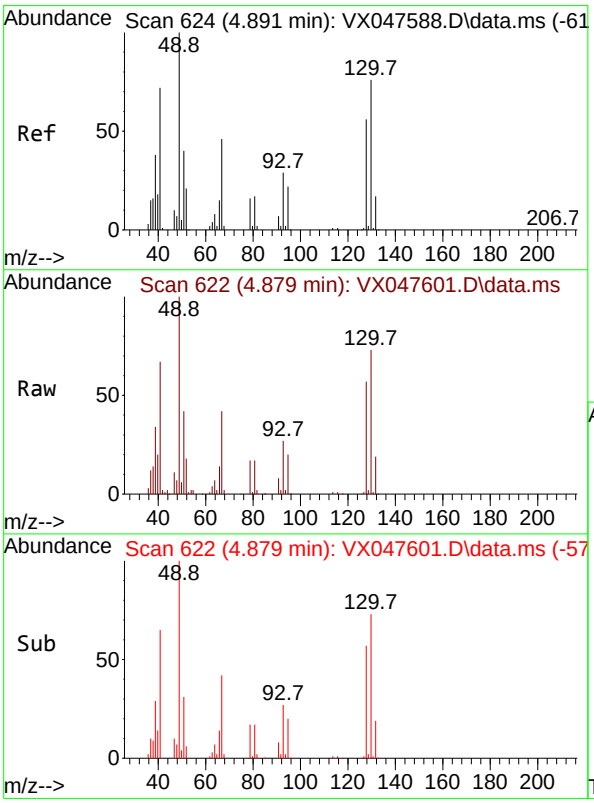
Ion	Ratio	Lower	Upper
96	100		
61	152.7	0.0	303.2
98	64.2	0.0	127.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

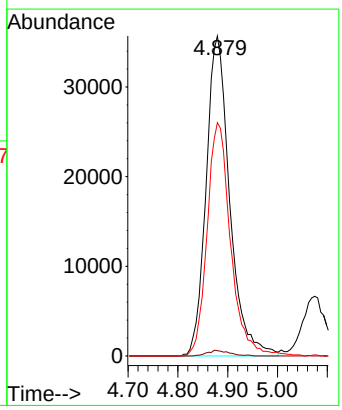
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

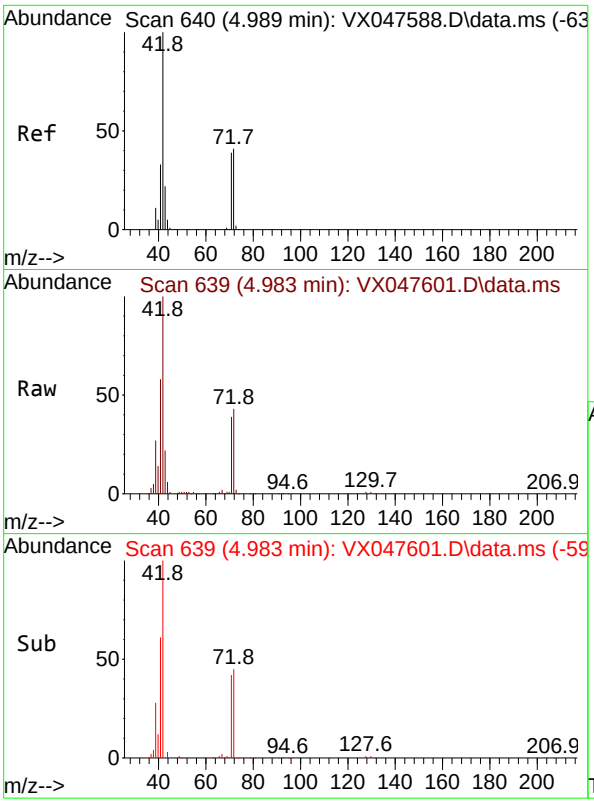


#28
Bromochloromethane
Concen: 52.297 ug/l
RT: 4.879 min Scan# 622
Delta R.T. -0.012 min
Lab File: VX047601.D
Acq: 17 Sep 2025 08:51

Tgt Ion: 49 Resp: 117231

Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.2
130	72.5	57.8	86.8

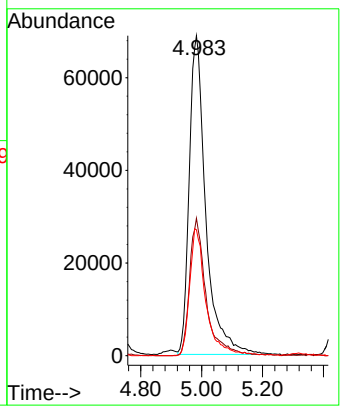




#29
Tetrahydrofuran
Concen: 245.552 ug/l
RT: 4.983 min Scan# 6
Delta R.T. -0.006 min
Lab File: VX047601.D
Acq: 17 Sep 2025 08:51

Tgt Ion: 42 Resp: 25928

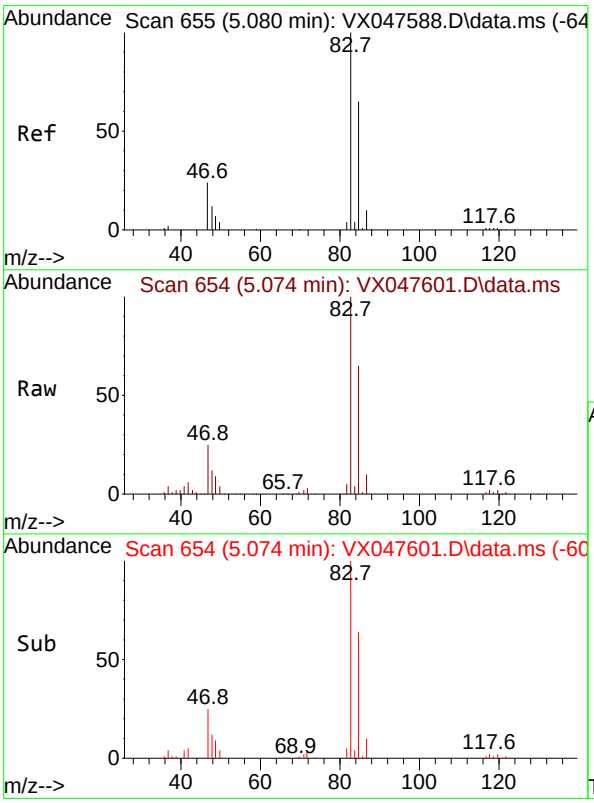
Ion	Ratio	Lower	Upper
42	100		
72	42.9	34.2	51.2
71	38.9	31.9	47.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

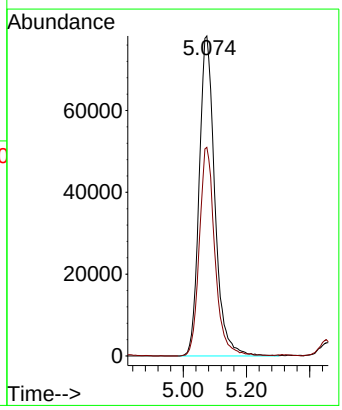
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

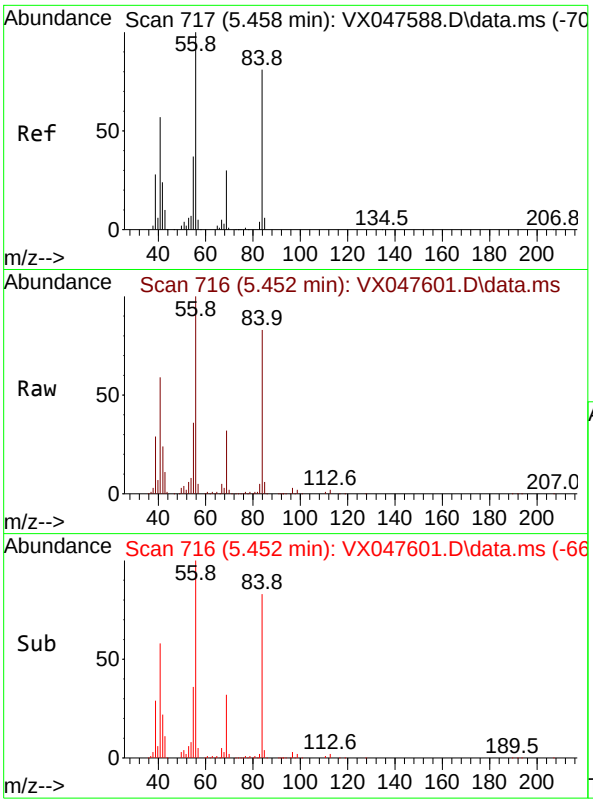


#30
Chloroform
Concen: 51.965 ug/l
RT: 5.074 min Scan# 654
Delta R.T. -0.006 min
Lab File: VX047601.D
Acq: 17 Sep 2025 08:51

Tgt Ion: 83 Resp: 269634

Ion	Ratio	Lower	Upper
83	100		
85	65.2	51.8	77.6

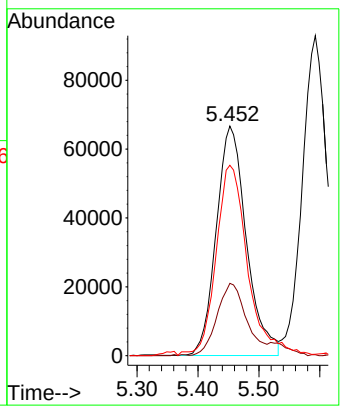




#31
Cyclohexane
Concen: 53.460 ug/l
RT: 5.452 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047601.D
Acq: 17 Sep 2025 08:51

Tgt Ion: 56 Resp: 22862

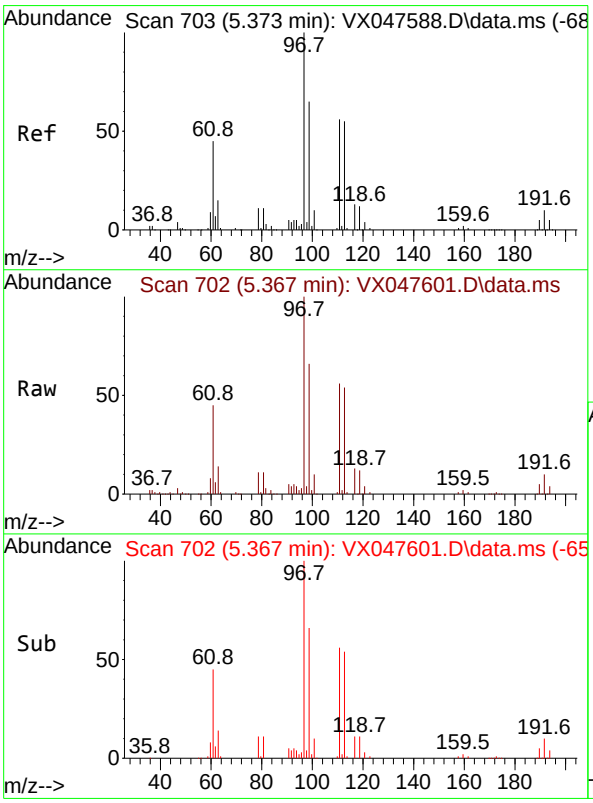
Ion	Ratio	Lower	Upper
56	100		
69	31.5	23.8	35.8
84	82.9	64.6	97.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

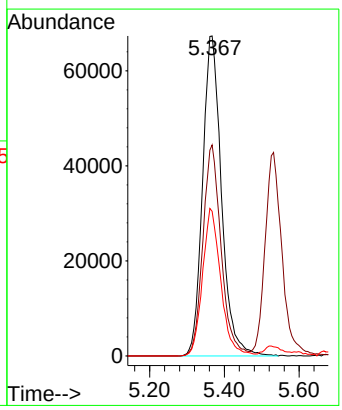
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

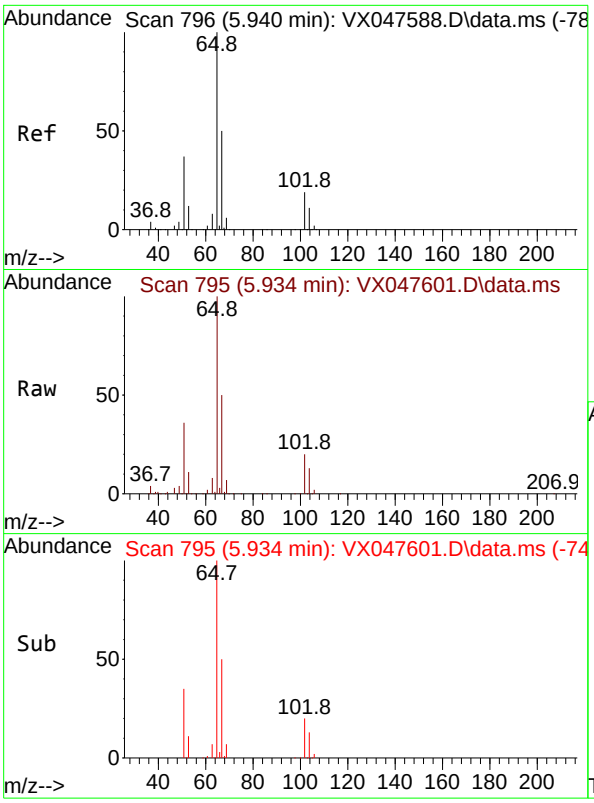


#32
1,1,1-Trichloroethane
Concen: 53.767 ug/l
RT: 5.367 min Scan# 702
Delta R.T. -0.006 min
Lab File: VX047601.D
Acq: 17 Sep 2025 08:51

Tgt Ion: 97 Resp: 236638

Ion	Ratio	Lower	Upper
97	100		
99	63.5	50.6	76.0
61	44.5	35.8	53.8

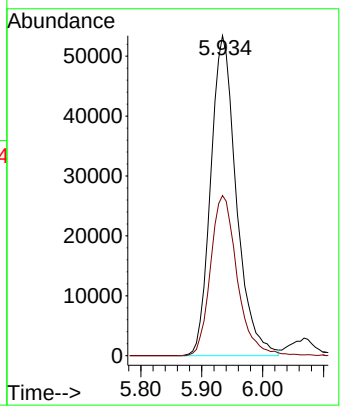




#33
1,2-Dichloroethane-d4
Concen: 48.251 ug/l
RT: 5.934 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047601.D
Acq: 17 Sep 2025 08:51

Tgt Ion: 65 Resp: 15615

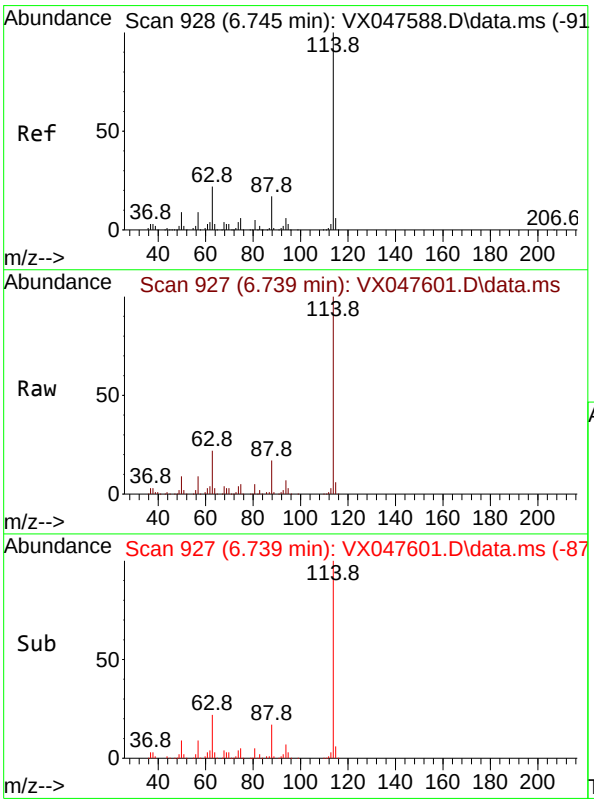
Ion	Ratio	Lower	Upper
65	100		
67	52.1	0.0	103.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

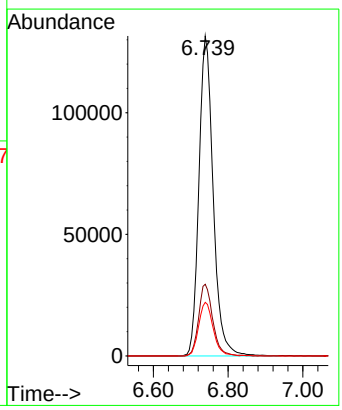
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

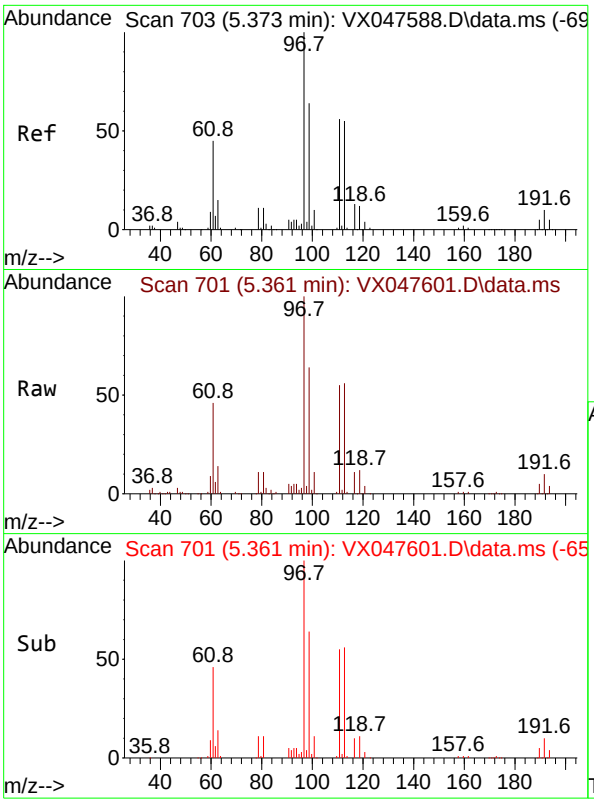


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.739 min Scan# 927
Delta R.T. -0.006 min
Lab File: VX047601.D
Acq: 17 Sep 2025 08:51

Tgt Ion:114 Resp: 347822

Ion	Ratio	Lower	Upper
114	100		
63	22.4	0.0	44.0
88	16.7	0.0	34.2

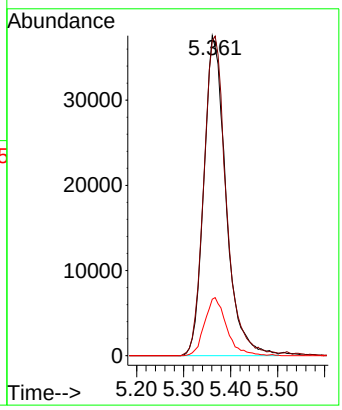




#35
Dibromofluoromethane
Concen: 52.444 ug/l
RT: 5.361 min Scan# 7
Delta R.T. -0.012 min
Lab File: VX047601.D
Acq: 17 Sep 2025 08:51

Tgt Ion:113 Resp: 12233

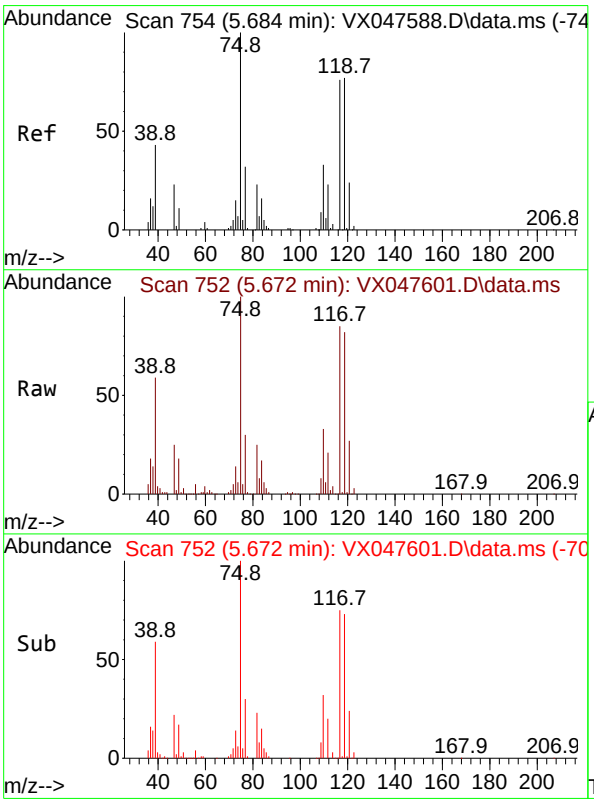
Ion	Ratio	Lower	Upper
113	100		
111	101.7	80.9	121.3
192	18.1	14.2	21.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

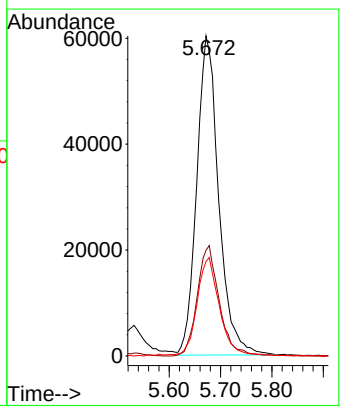
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

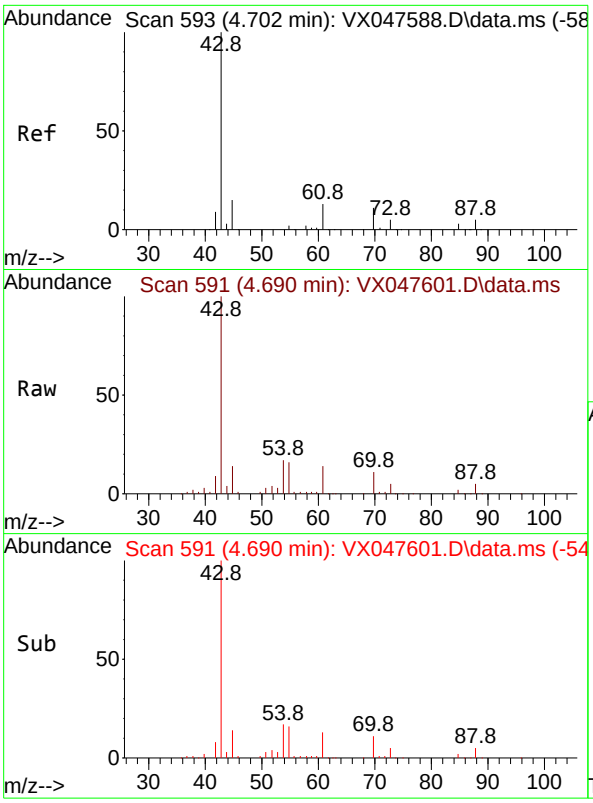


#36
1,1-Dichloropropene
Concen: 52.533 ug/l
RT: 5.672 min Scan# 752
Delta R.T. -0.012 min
Lab File: VX047601.D
Acq: 17 Sep 2025 08:51

Tgt Ion: 75 Resp: 179063

Ion	Ratio	Lower	Upper
75	100		
110	34.6	16.7	50.1
77	31.0	24.3	36.5

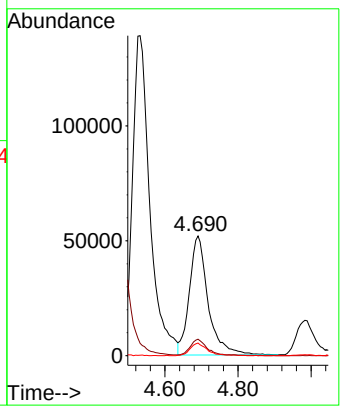




#37
Ethyl Acetate
Concen: 50.738 ug/l
RT: 4.690 min Scan# 5
Delta R.T. -0.012 min
Lab File: VX047601.D
Acq: 17 Sep 2025 08:51

Tgt Ion: 43 Resp: 18517

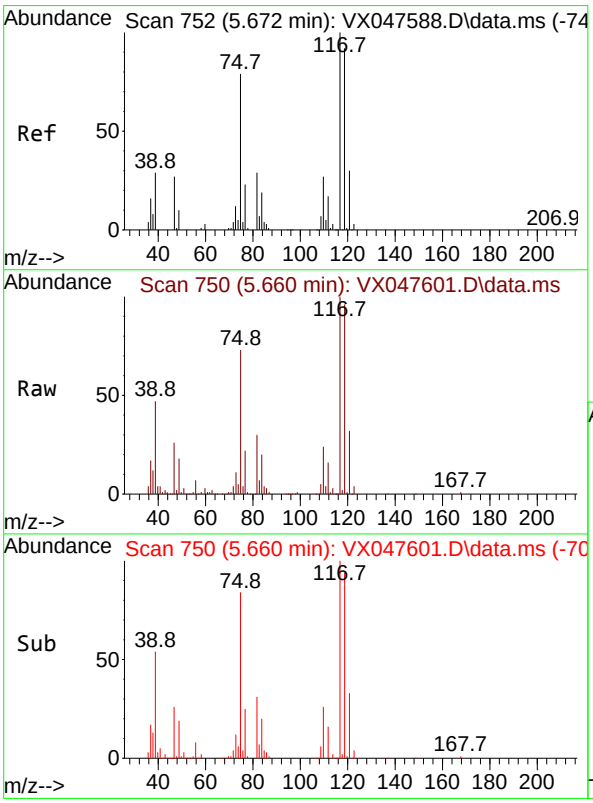
Ion	Ratio	Lower	Upper
43	100		
61	10.9	9.8	14.8
70	9.7	7.9	11.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

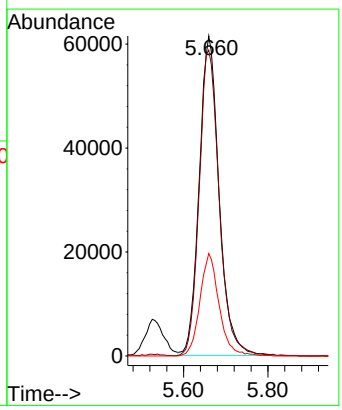
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

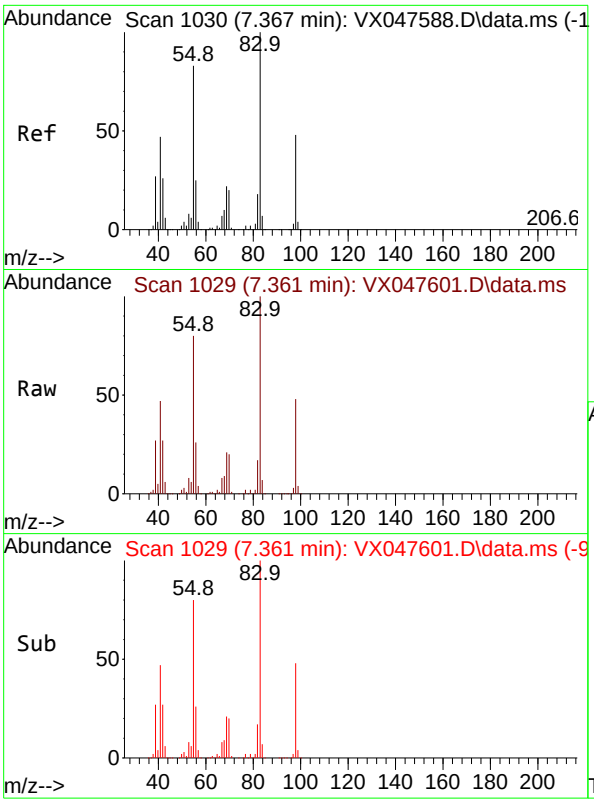


#38
Carbon Tetrachloride
Concen: 54.553 ug/l
RT: 5.660 min Scan# 750
Delta R.T. -0.012 min
Lab File: VX047601.D
Acq: 17 Sep 2025 08:51

Tgt Ion:117 Resp: 202037

Ion	Ratio	Lower	Upper
117	100		
119	95.6	73.4	110.2
121	32.1	23.8	35.6

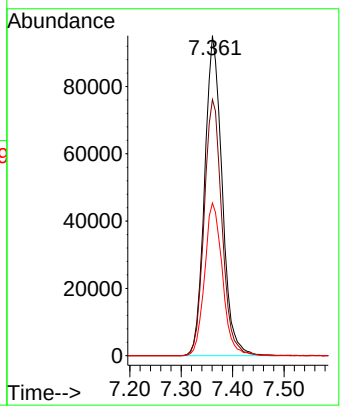




#39
Methylcyclohexane
Concen: 58.054 ug/l
RT: 7.361 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047601.D
Acq: 17 Sep 2025 08:51

Tgt Ion: 83 Resp: 22462

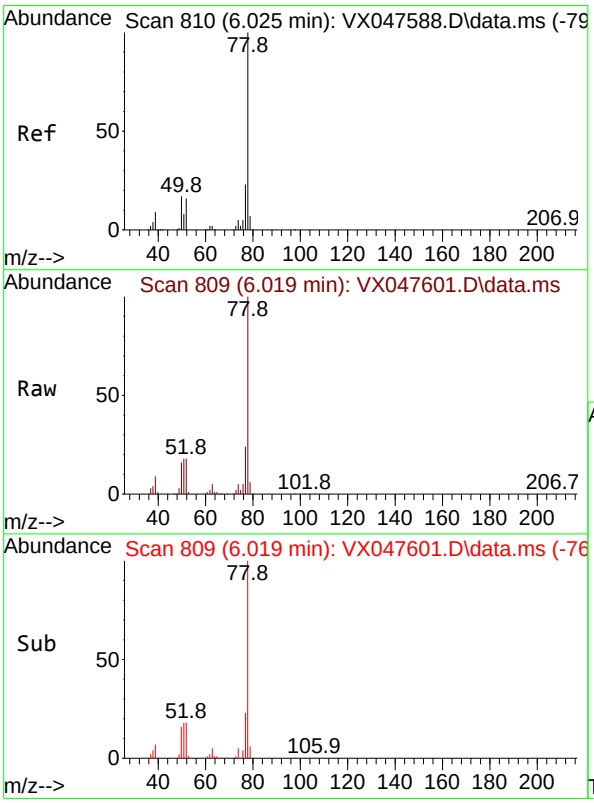
Ion	Ratio	Lower	Upper
83	100		
55	80.1	66.4	99.6
98	47.7	38.1	57.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

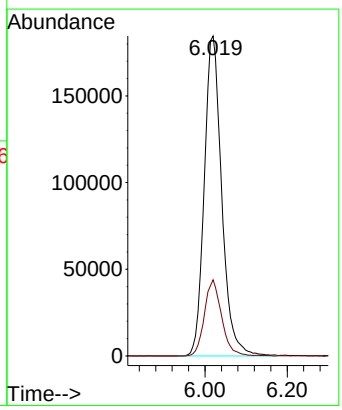
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

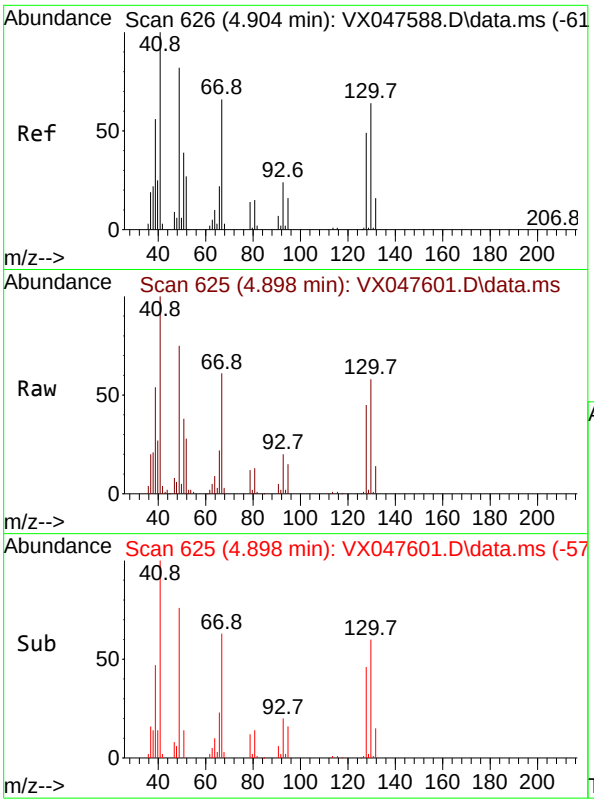


#40
Benzene
Concen: 52.544 ug/l
RT: 6.019 min Scan# 809
Delta R.T. -0.006 min
Lab File: VX047601.D
Acq: 17 Sep 2025 08:51

Tgt Ion: 78 Resp: 543983

Ion	Ratio	Lower	Upper
78	100		
77	23.8	18.8	28.2

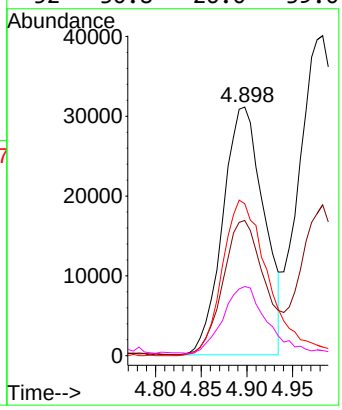




#41
Methacrylonitrile
Concen: 51.658 ug/l
RT: 4.898 min Scan# 6
Delta R.T. -0.006 min
Lab File: VX047601.D
Acq: 17 Sep 2025 08:51

Tgt Ion: 41 Resp: 9733

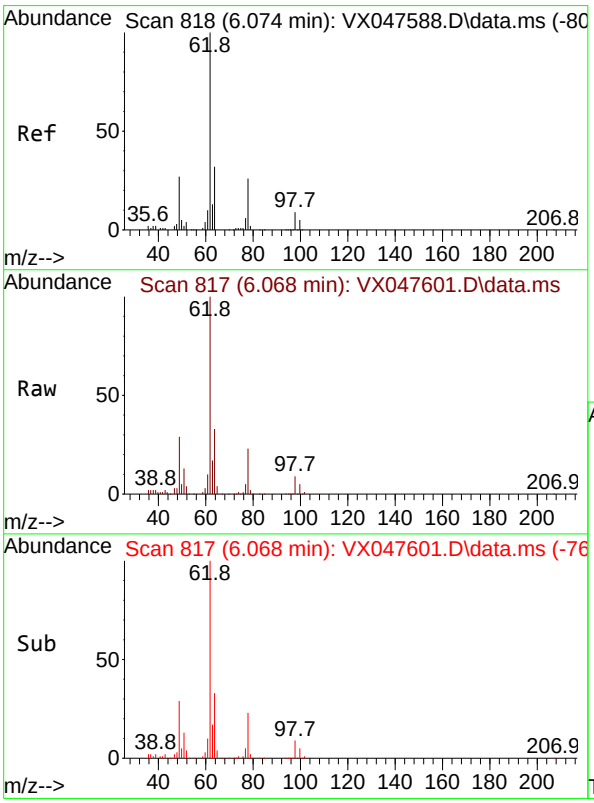
Ion	Ratio	Lower	Upper
41	100		
39	55.6	43.3	64.9
67	72.4	58.6	87.8
52	30.8	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

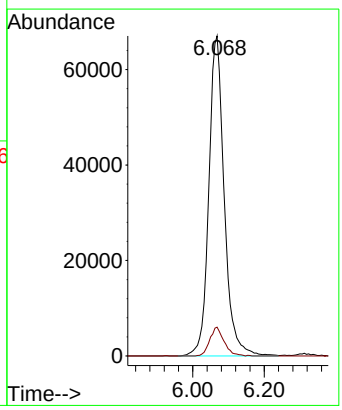
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

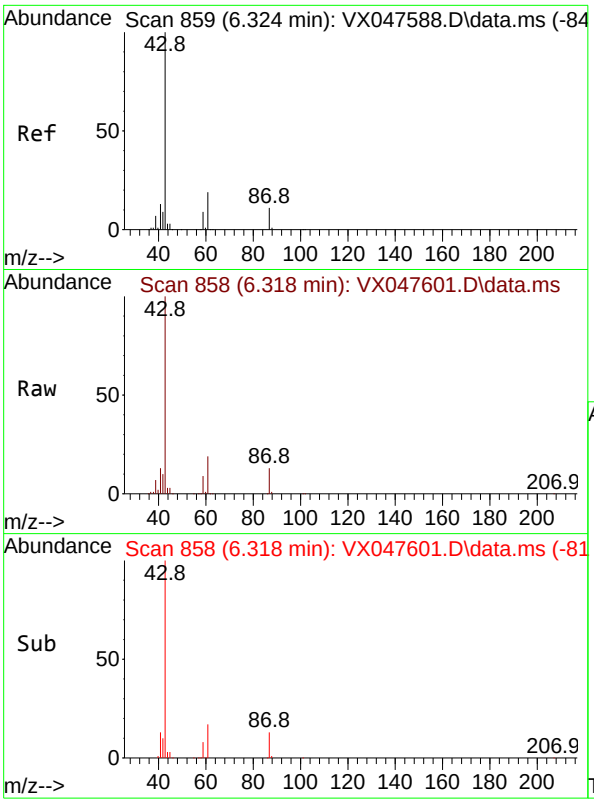


#42
1,2-Dichloroethane
Concen: 50.968 ug/l
RT: 6.068 min Scan# 817
Delta R.T. -0.006 min
Lab File: VX047601.D
Acq: 17 Sep 2025 08:51

Tgt Ion: 62 Resp: 200768

Ion	Ratio	Lower	Upper
62	100		
98	8.4	0.0	17.0

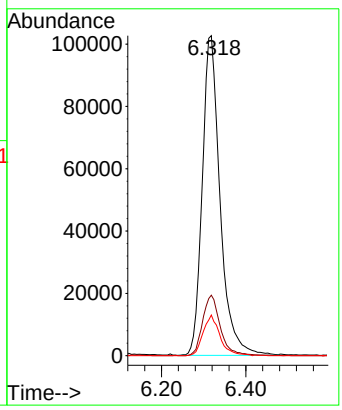




#43
Isopropyl Acetate
Concen: 50.484 ug/l
RT: 6.318 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX047601.D
Acq: 17 Sep 2025 08:51

Tgt Ion: 43 Resp: 30217

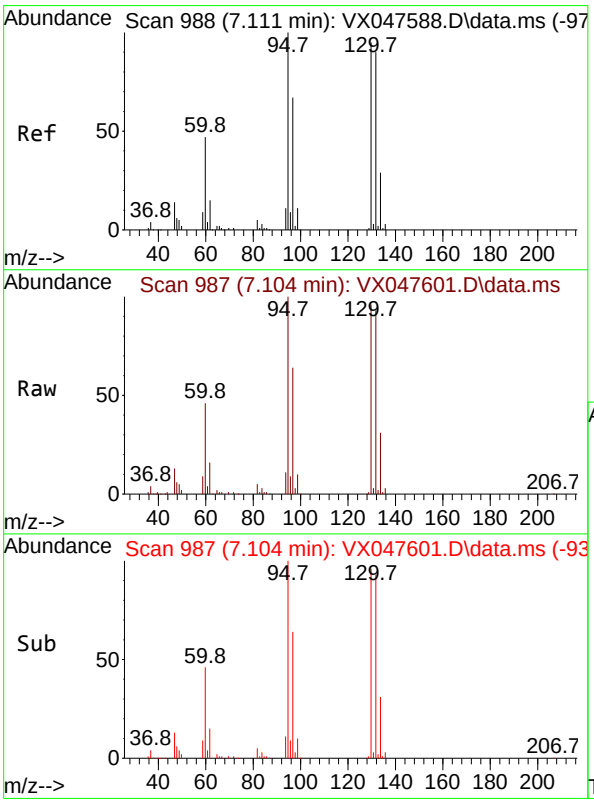
Ion	Ratio	Lower	Upper
43	100		
61	18.9	15.2	22.8
87	12.0	9.6	14.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

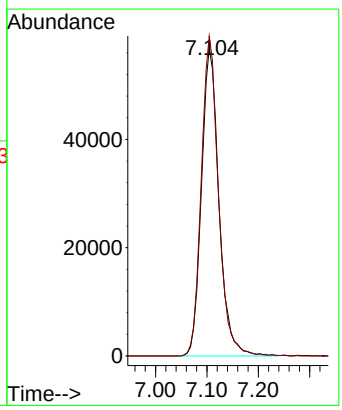
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

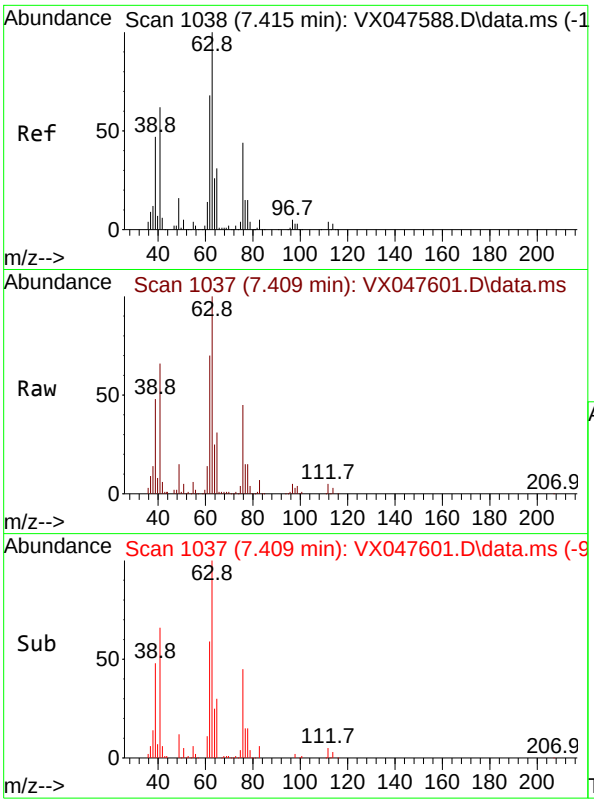


#44
Trichloroethene
Concen: 53.660 ug/l
RT: 7.104 min Scan# 987
Delta R.T. -0.006 min
Lab File: VX047601.D
Acq: 17 Sep 2025 08:51

Tgt Ion:130 Resp: 134308

Ion	Ratio	Lower	Upper
130	100		
95	104.1	0.0	210.8

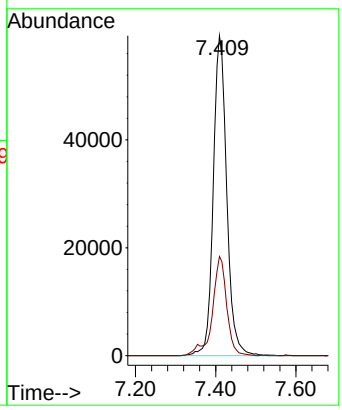




#45
1,2-Dichloropropane
Concen: 52.025 ug/l
RT: 7.409 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047601.D
Acq: 17 Sep 2025 08:51

Tgt Ion: 63 Resp: 13791

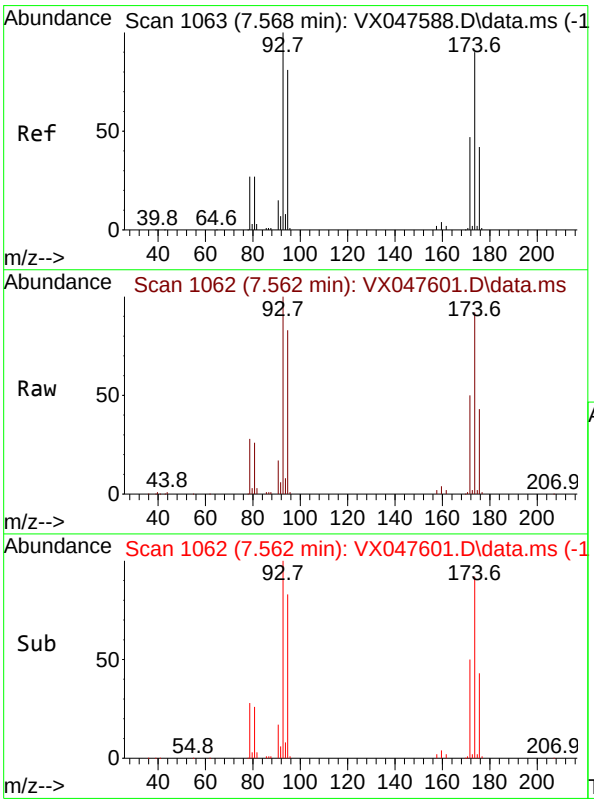
Ion	Ratio	Lower	Upper
63	100		
65	31.0	24.7	37.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

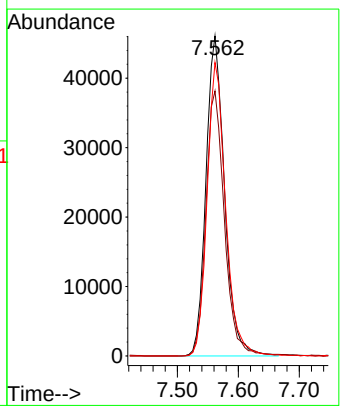
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

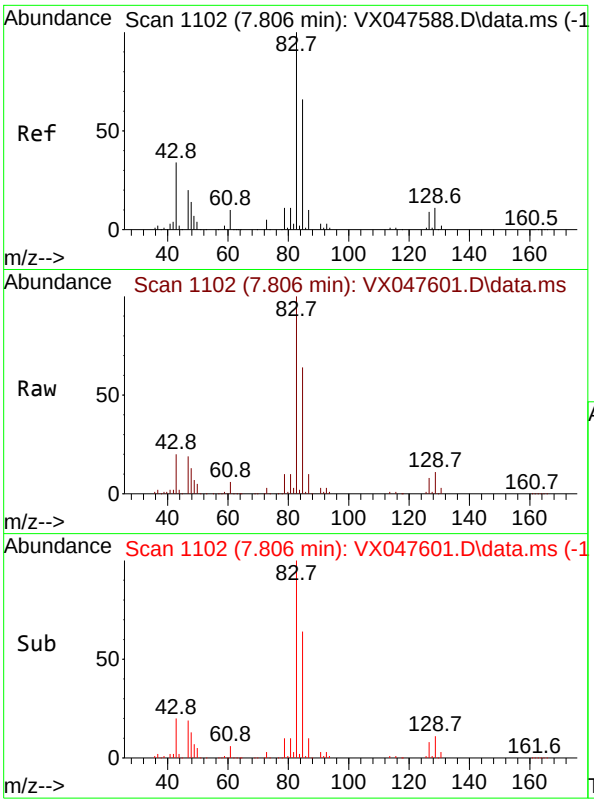


#46
Dibromomethane
Concen: 50.718 ug/l
RT: 7.562 min Scan# 1062
Delta R.T. -0.006 min
Lab File: VX047601.D
Acq: 17 Sep 2025 08:51

Tgt Ion: 93 Resp: 97841

Ion	Ratio	Lower	Upper
93	100		
95	82.9	65.0	97.6
174	91.4	71.6	107.4

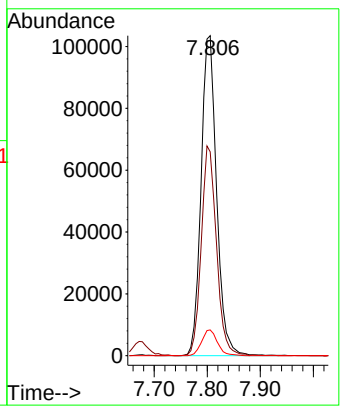




#47
Bromodichloromethane
Concen: 52.844 ug/l
RT: 7.806 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047601.D
Acq: 17 Sep 2025 08:51

Tgt Ion: 83 Resp: 21036

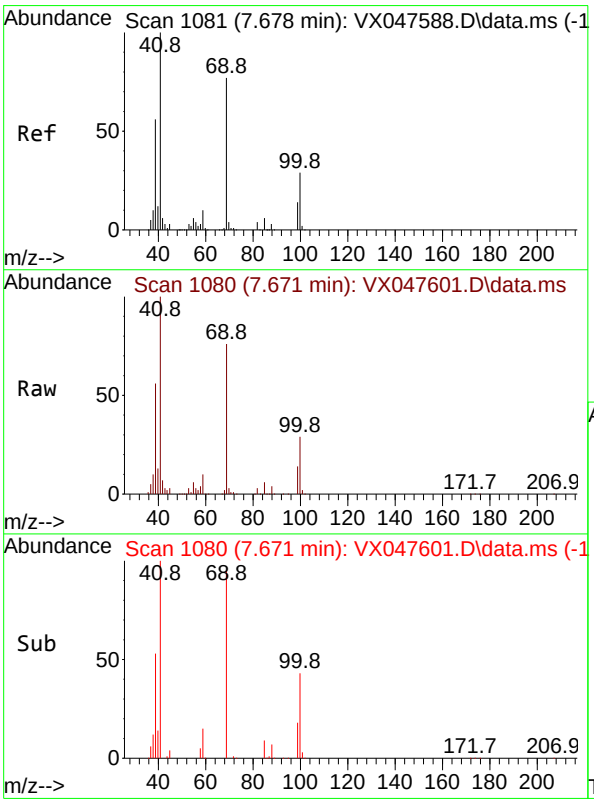
Ion	Ratio	Lower	Upper
83	100		
85	63.7	52.5	78.7
127	8.1	6.9	10.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

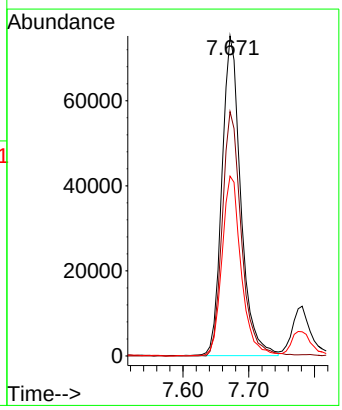
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

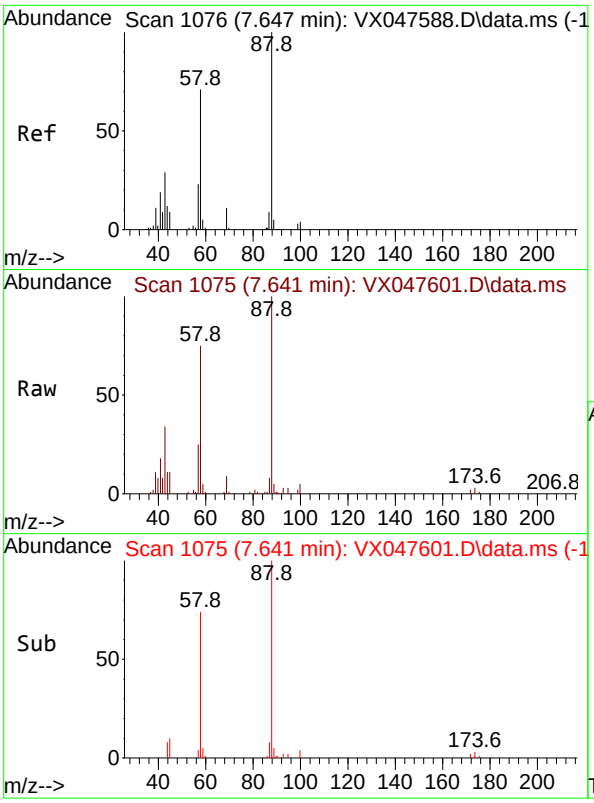


#48
Methyl methacrylate
Concen: 50.209 ug/l
RT: 7.671 min Scan# 1080
Delta R.T. -0.006 min
Lab File: VX047601.D
Acq: 17 Sep 2025 08:51

Tgt Ion: 41 Resp: 149698

Ion	Ratio	Lower	Upper
41	100		
69	77.6	61.4	92.2
39	57.2	45.8	68.6

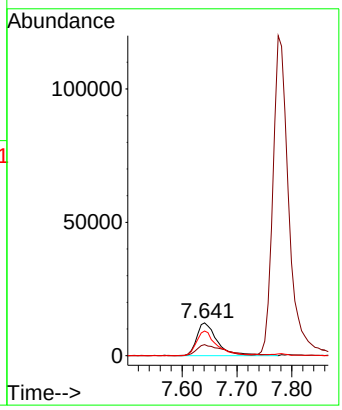




#49
1,4-Dioxane
Concen: 1076.055 ug/l
RT: 7.641 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047601.D
Acq: 17 Sep 2025 08:51

Tgt Ion: 88 Resp: 3242

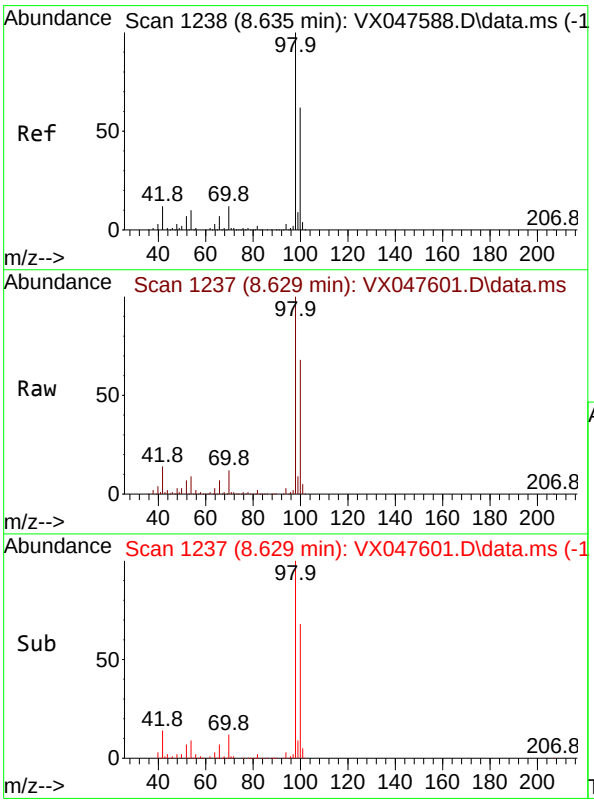
Ion	Ratio	Lower	Upper
88	100		
43	41.9	30.2	45.2
58	74.7	59.5	89.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

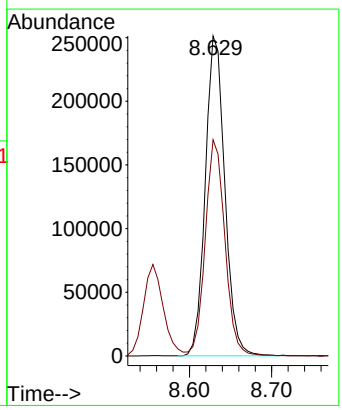
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

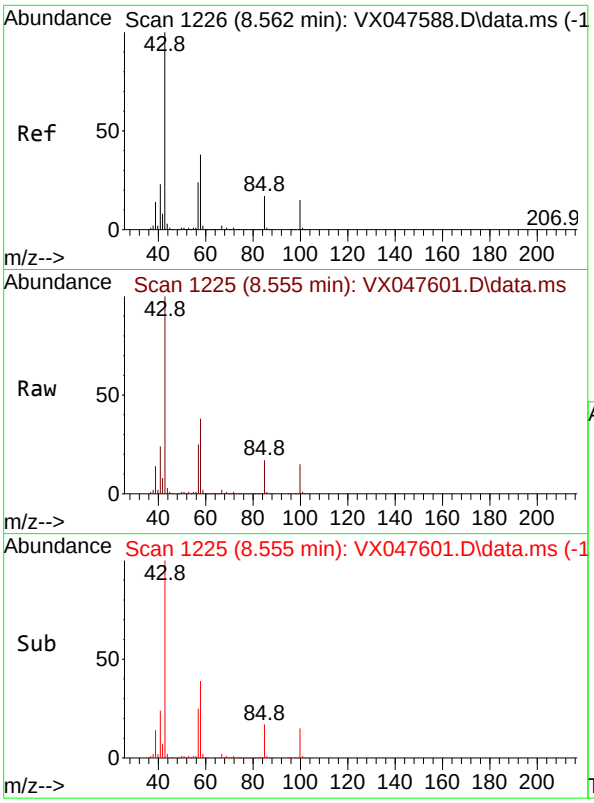


#50
Toluene-d8
Concen: 51.305 ug/l
RT: 8.629 min Scan# 1237
Delta R.T. -0.006 min
Lab File: VX047601.D
Acq: 17 Sep 2025 08:51

Tgt Ion: 98 Resp: 414115

Ion	Ratio	Lower	Upper
98	100		
100	67.9	53.0	79.4

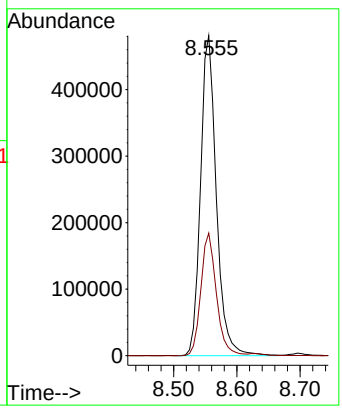




#51
4-Methyl-2-Pentanone
Concen: 252.257 ug/l
RT: 8.555 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047601.D
Acq: 17 Sep 2025 08:51

Tgt Ion: 43 Resp: 83716

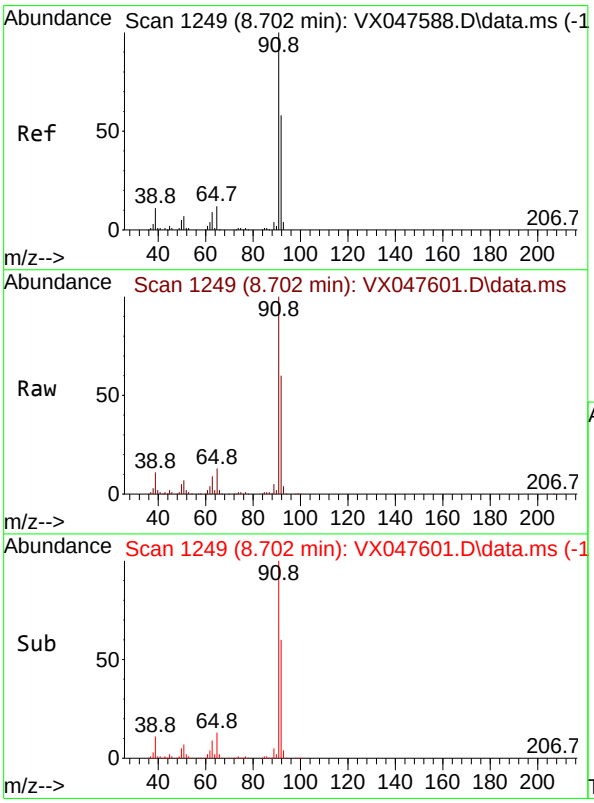
Ion	Ratio	Lower	Upper
43	100		
58	37.6	30.3	45.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

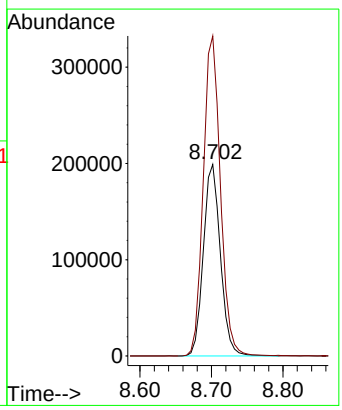
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

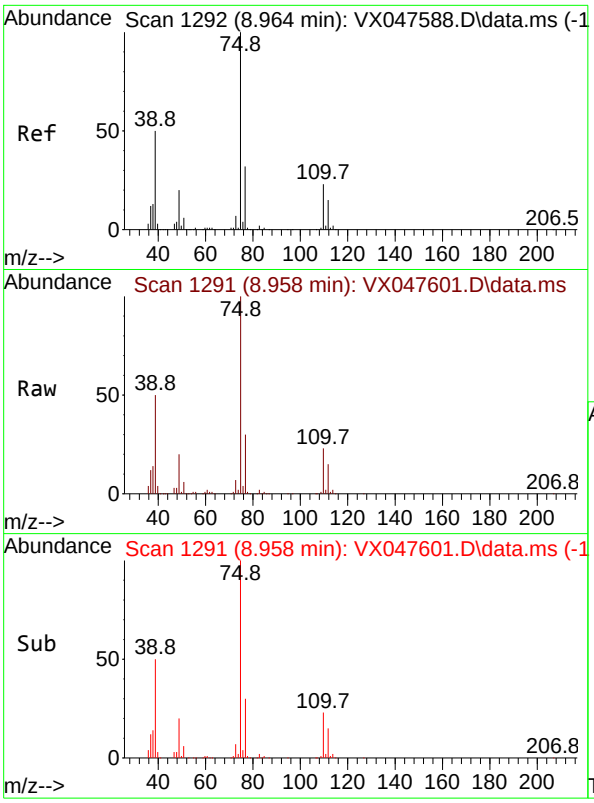


#52
Toluene
Concen: 51.549 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. 0.000 min
Lab File: VX047601.D
Acq: 17 Sep 2025 08:51

Tgt Ion: 92 Resp: 328796

Ion	Ratio	Lower	Upper
92	100		
91	168.3	137.1	205.7

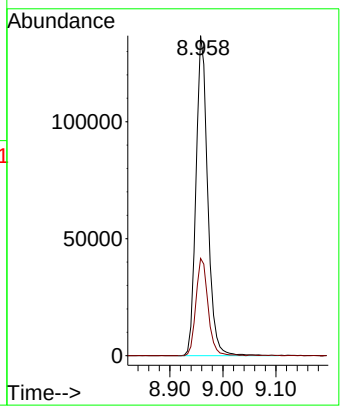




#53
t-1,3-Dichloropropene
Concen: 51.714 ug/l
RT: 8.958 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047601.D
Acq: 17 Sep 2025 08:51

Tgt Ion: 75 Resp: 20998

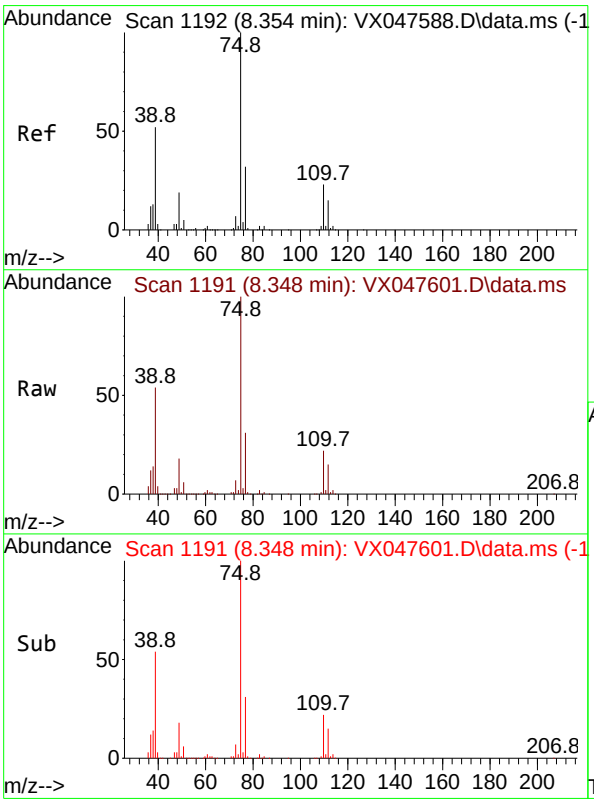
Ion	Ratio	Lower	Upper
75	100		
77	30.4	25.4	38.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

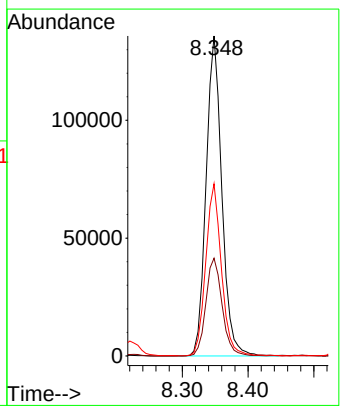
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

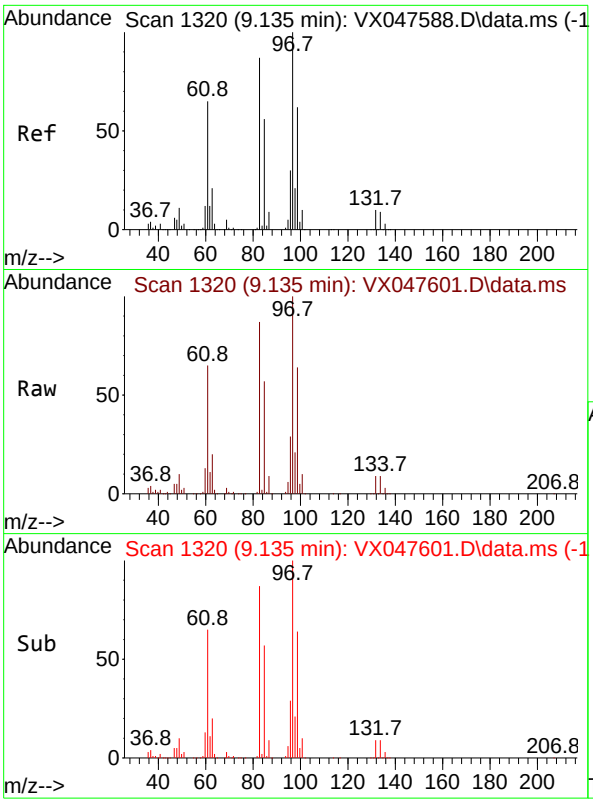


#54
cis-1,3-Dichloropropene
Concen: 52.078 ug/l
RT: 8.348 min Scan# 1191
Delta R.T. -0.006 min
Lab File: VX047601.D
Acq: 17 Sep 2025 08:51

Tgt Ion: 75 Resp: 226019

Ion	Ratio	Lower	Upper
75	100		
77	30.5	25.8	38.6
39	53.7	41.4	62.2

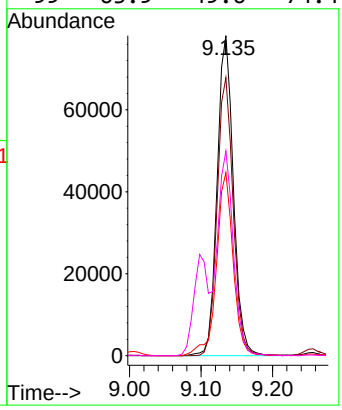




#55
1,1,2-Trichloroethane
Concen: 50.100 ug/l
RT: 9.135 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047601.D
Acq: 17 Sep 2025 08:51

Tgt Ion: 97 Resp: 12321

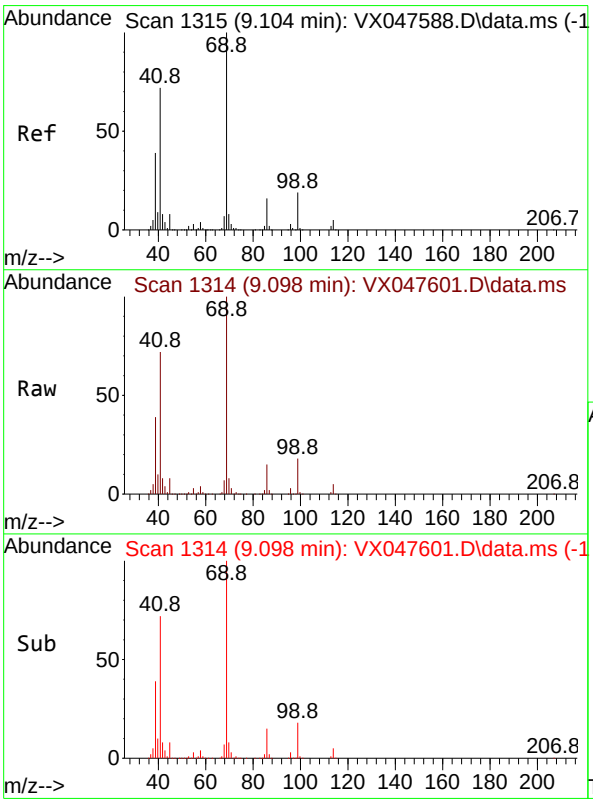
Ion	Ratio	Lower	Upper
97	100		
83	86.9	69.6	104.4
85	57.2	45.0	67.6
99	63.9	49.6	74.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

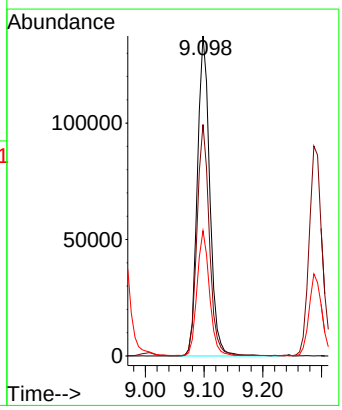
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

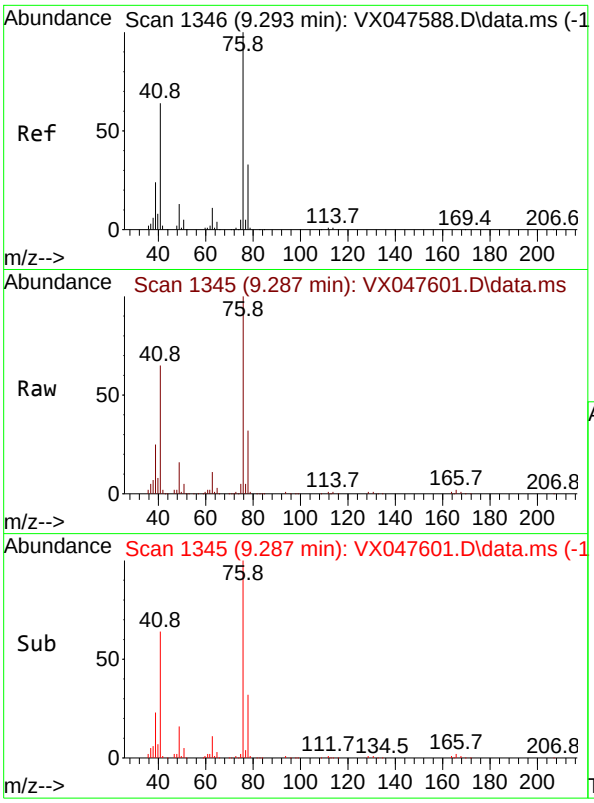


#56
Ethyl methacrylate
Concen: 52.281 ug/l
RT: 9.098 min Scan# 1314
Delta R.T. -0.006 min
Lab File: VX047601.D
Acq: 17 Sep 2025 08:51

Tgt Ion: 69 Resp: 201937

Ion	Ratio	Lower	Upper
69	100		
41	71.6	58.6	87.8
39	38.7	31.5	47.3





#57
1,3-Dichloropropane
Concen: 51.047 ug/l
RT: 9.287 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047601.D
Acq: 17 Sep 2025 08:51

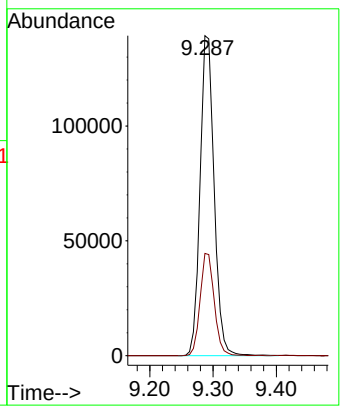
Tgt Ion: 76 Resp: 21566

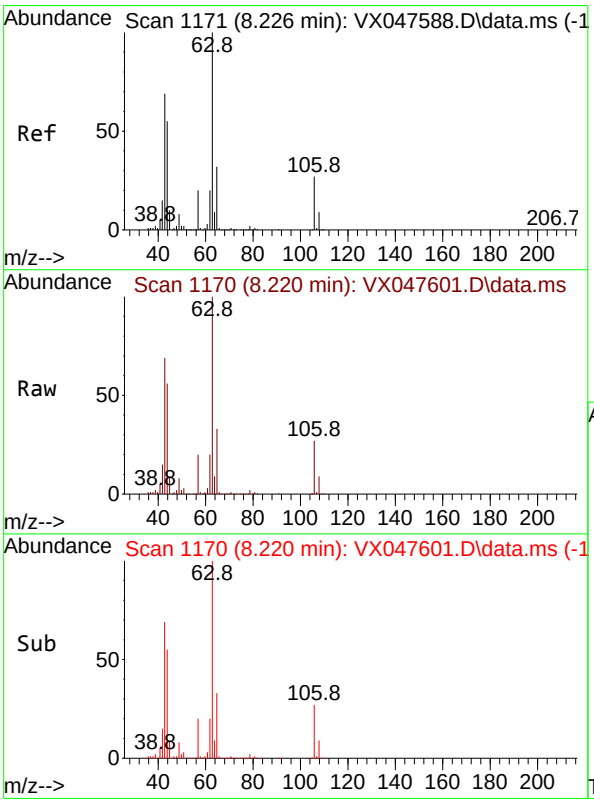
Ion	Ratio	Lower	Upper
76	100		
78	32.1	26.2	39.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

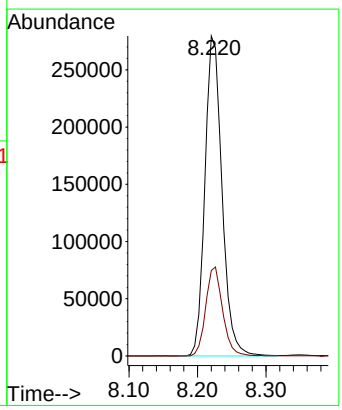


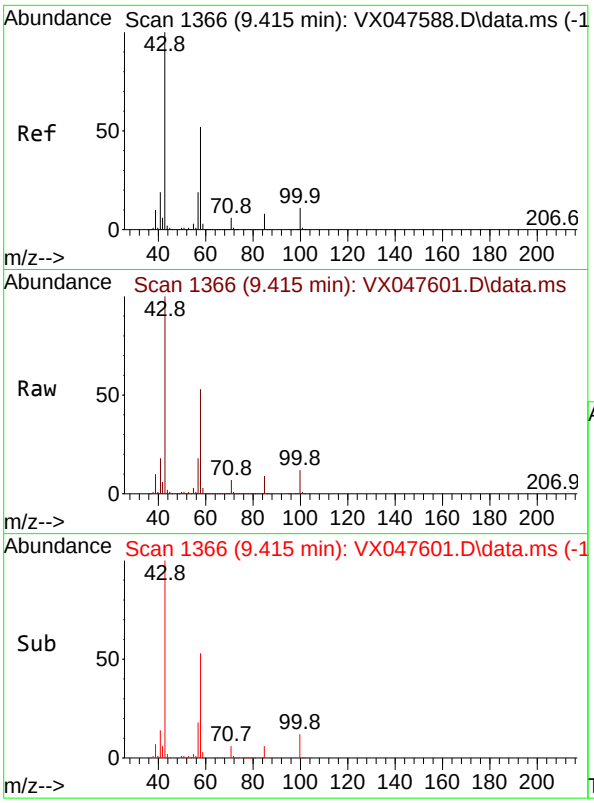


#58
2-Chloroethyl Vinyl ether
Concen: 261.994 ug/l
RT: 8.220 min Scan# 1170
Delta R.T. -0.006 min
Lab File: VX047601.D
Acq: 17 Sep 2025 08:51

Tgt Ion: 63 Resp: 485057

Ion	Ratio	Lower	Upper
63	100		
106	27.5	21.9	32.9





#59
2-Hexanone
Concen: 249.728 ug/l
RT: 9.415 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047601.D
Acq: 17 Sep 2025 08:51

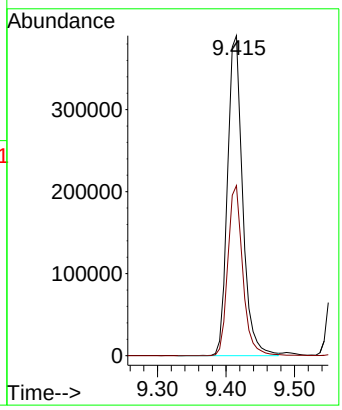
Tgt Ion: 43 Resp: 59522

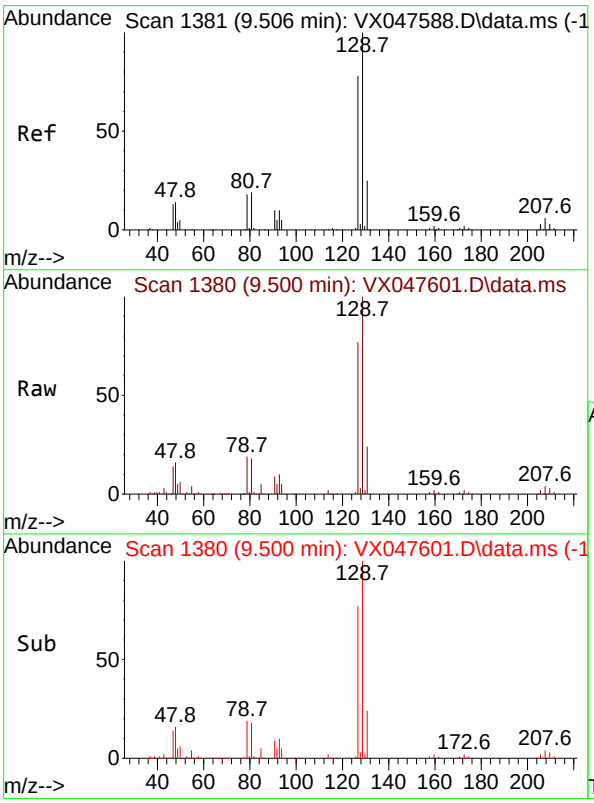
Ion	Ratio	Lower	Upper
43	100		
58	52.6	26.1	78.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

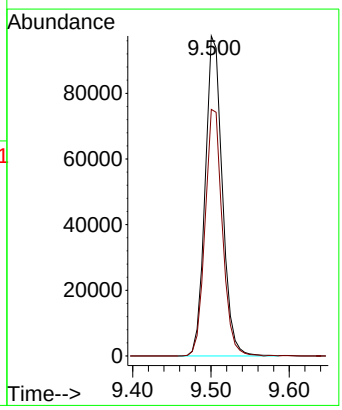


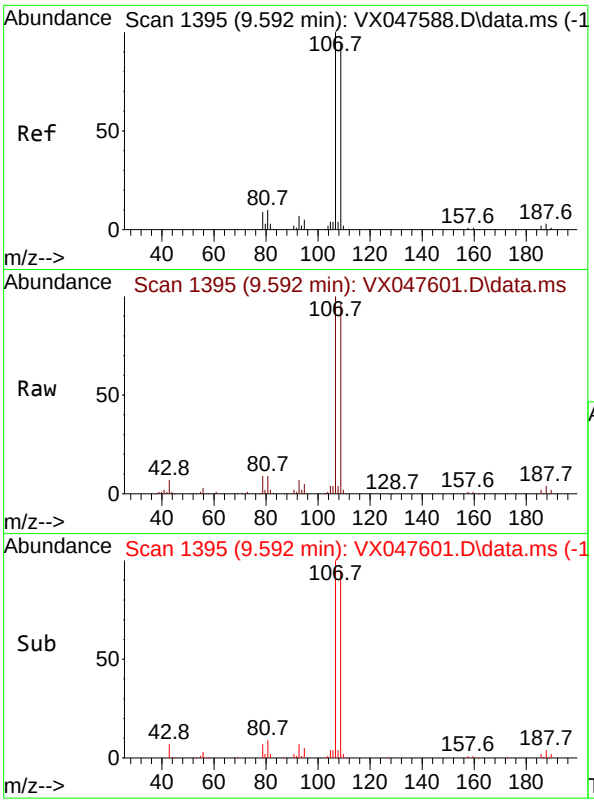


#60
Dibromochloromethane
Concen: 52.158 ug/l
RT: 9.500 min Scan# 1380
Delta R.T. -0.006 min
Lab File: VX047601.D
Acq: 17 Sep 2025 08:51

Tgt Ion:129 Resp: 147809

Ion	Ratio	Lower	Upper
129	100		
127	77.7	38.4	115.2

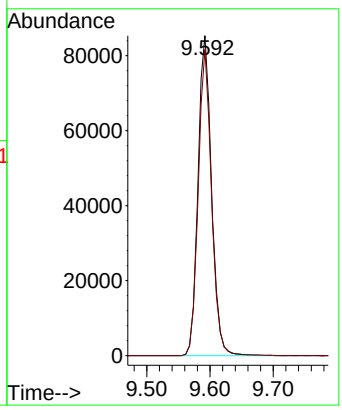




#61
1,2-Dibromoethane
Concen: 50.826 ug/l
RT: 9.592 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047601.D
Acq: 17 Sep 2025 08:51

Tgt Ion:107 Resp: 12732

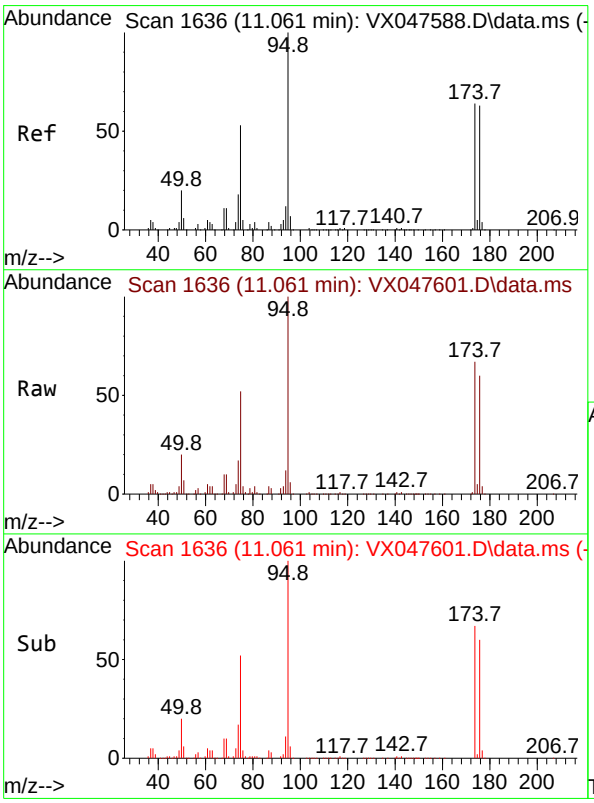
Ion	Ratio	Lower	Upper
107	100		
109	94.1	75.3	112.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

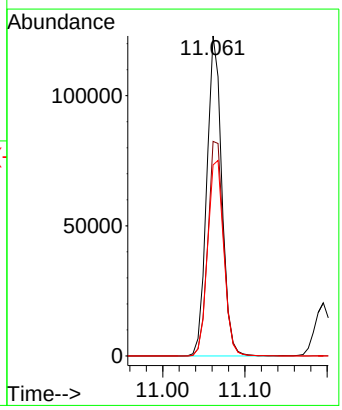
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

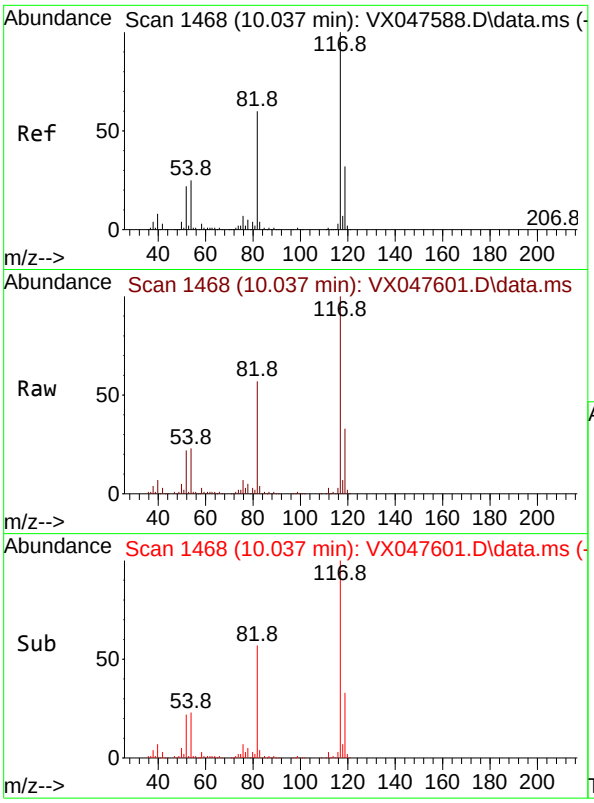


#62
4-Bromofluorobenzene
Concen: 50.857 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. 0.000 min
Lab File: VX047601.D
Acq: 17 Sep 2025 08:51

Tgt Ion: 95 Resp: 155790

Ion	Ratio	Lower	Upper
95	100		
174	70.6	0.0	141.6
176	65.6	0.0	138.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047601.D
Acq: 17 Sep 2025 08:51

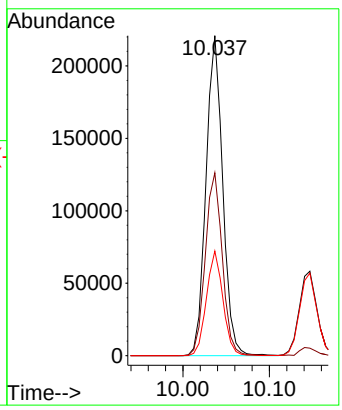
Tgt Ion:117 Resp: 29623

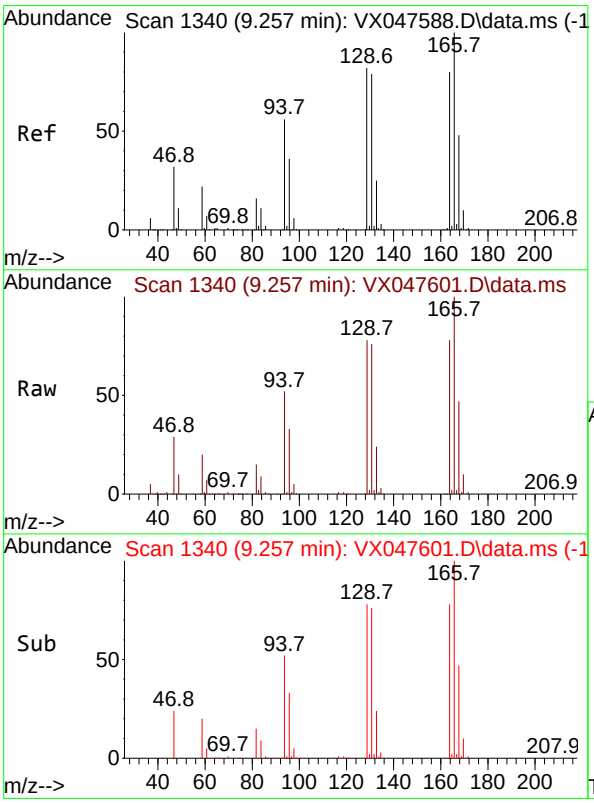
Ion	Ratio	Lower	Upper
117	100		
82	57.2	47.8	71.6
119	32.7	25.2	37.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

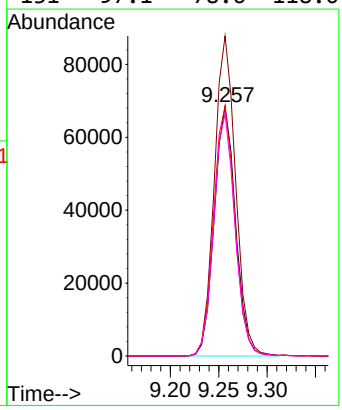


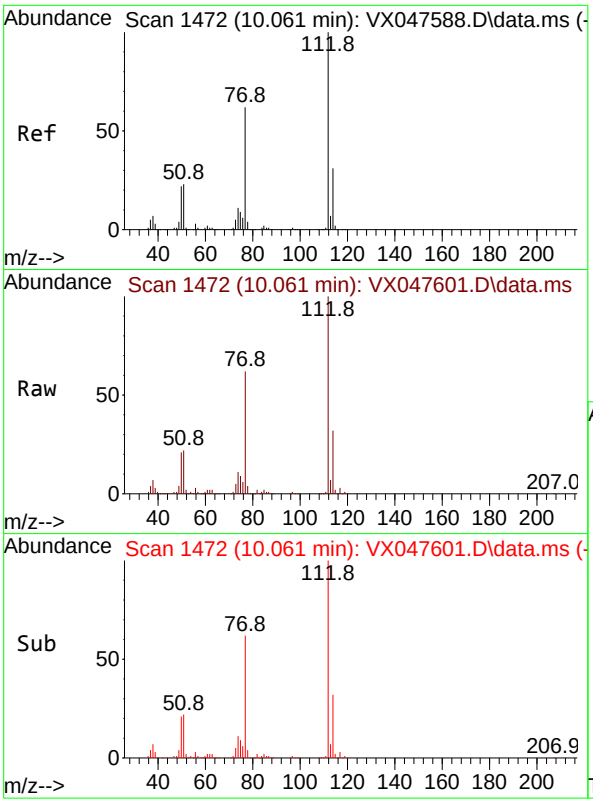


#64
Tetrachloroethene
Concen: 54.187 ug/l
RT: 9.257 min Scan# 1340
Delta R.T. 0.000 min
Lab File: VX047601.D
Acq: 17 Sep 2025 08:51

Tgt Ion:164 Resp: 104642

Ion	Ratio	Lower	Upper
164	100		
166	128.3	100.2	150.2
129	100.2	81.8	122.6
131	97.1	78.6	118.0





#65
Chlorobenzene
Concen: 52.495 ug/l
RT: 10.061 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047601.D
Acq: 17 Sep 2025 08:51

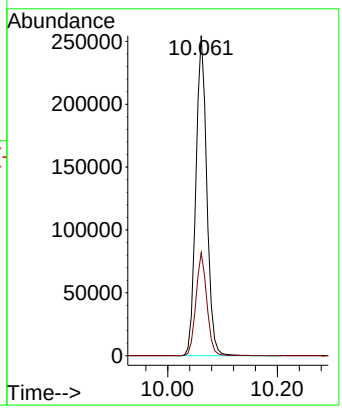
Tgt Ion:112 Resp: 35327

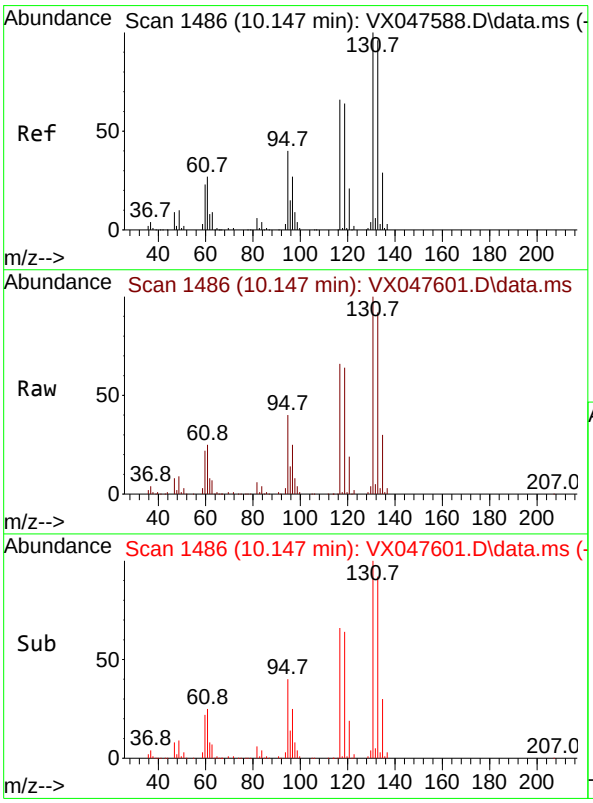
Ion	Ratio	Lower	Upper
112	100		
114	32.2	25.1	37.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

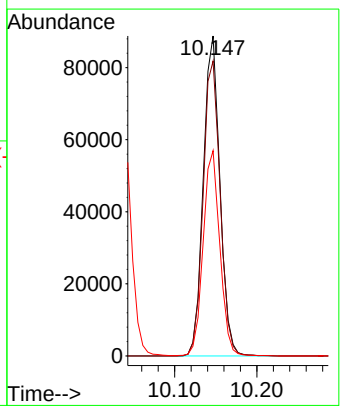


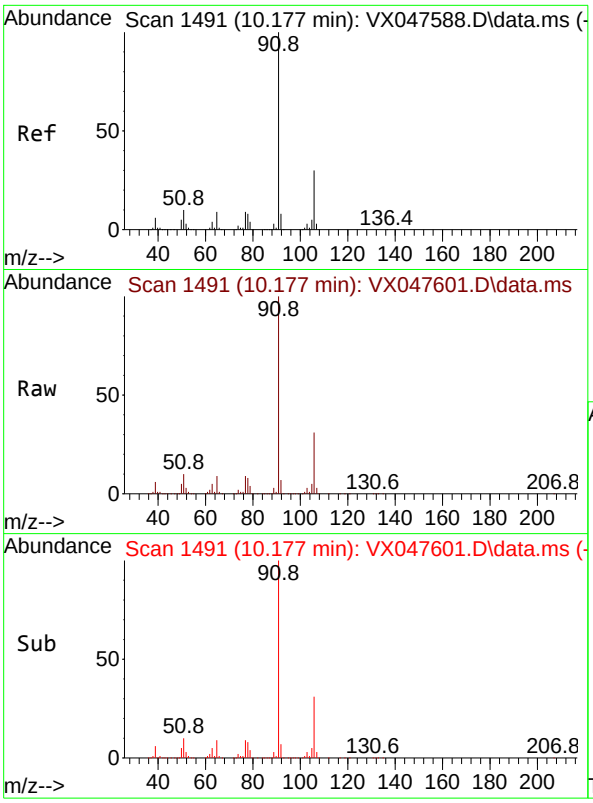


#66
1,1,1,2-Tetrachloroethane
Concen: 53.589 ug/l
RT: 10.147 min Scan# 1486
Delta R.T. 0.000 min
Lab File: VX047601.D
Acq: 17 Sep 2025 08:51

Tgt Ion:131 Resp: 124449

Ion	Ratio	Lower	Upper
131	100		
133	94.7	47.3	142.0
119	64.6	32.0	96.0

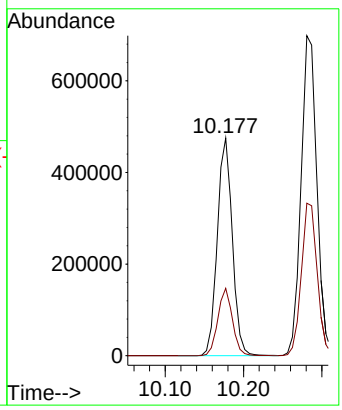




#67
Ethyl Benzene
Concen: 54.505 ug/l
RT: 10.177 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047601.D
Acq: 17 Sep 2025 08:51

Tgt Ion: 91 Resp: 63290

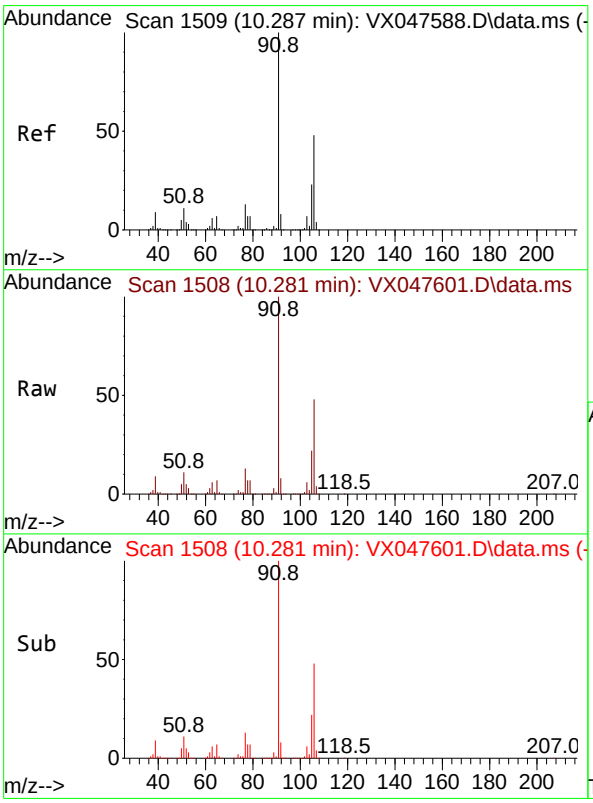
Ion	Ratio	Lower	Upper
91	100		
106	31.0	24.3	36.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

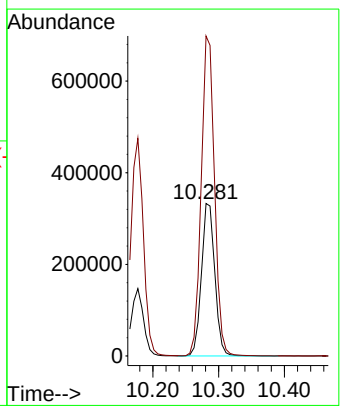
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

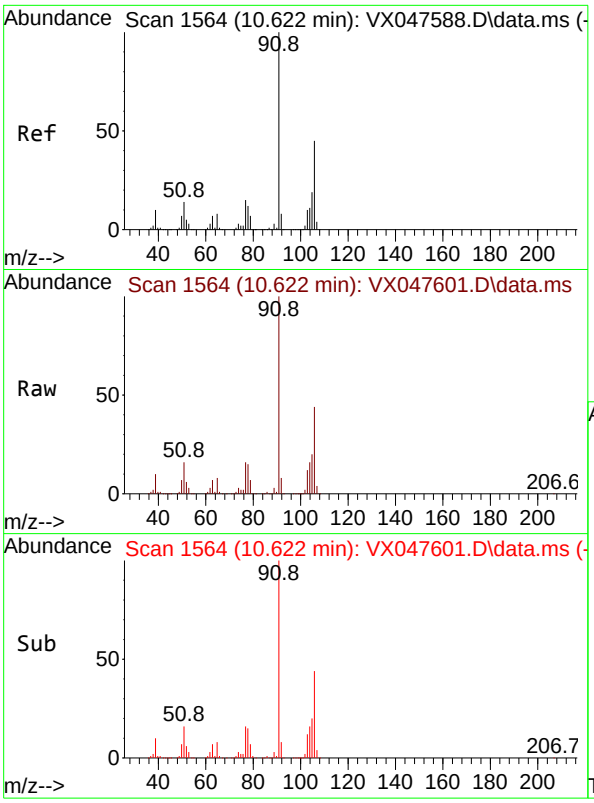


#68
m/p-Xylenes
Concen: 108.664 ug/l
RT: 10.281 min Scan# 1508
Delta R.T. -0.006 min
Lab File: VX047601.D
Acq: 17 Sep 2025 08:51

Tgt Ion:106 Resp: 469648

Ion	Ratio	Lower	Upper
106	100		
91	209.4	167.8	251.8





#69
o-Xylene
Concen: 53.647 ug/l
RT: 10.622 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047601.D
Acq: 17 Sep 2025 08:51

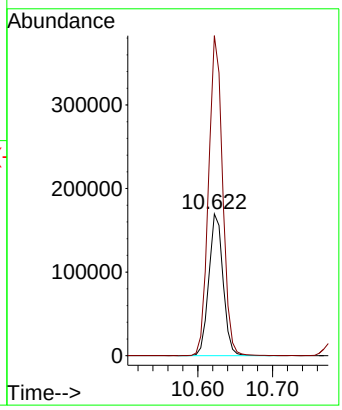
Tgt Ion:106 Resp: 22426

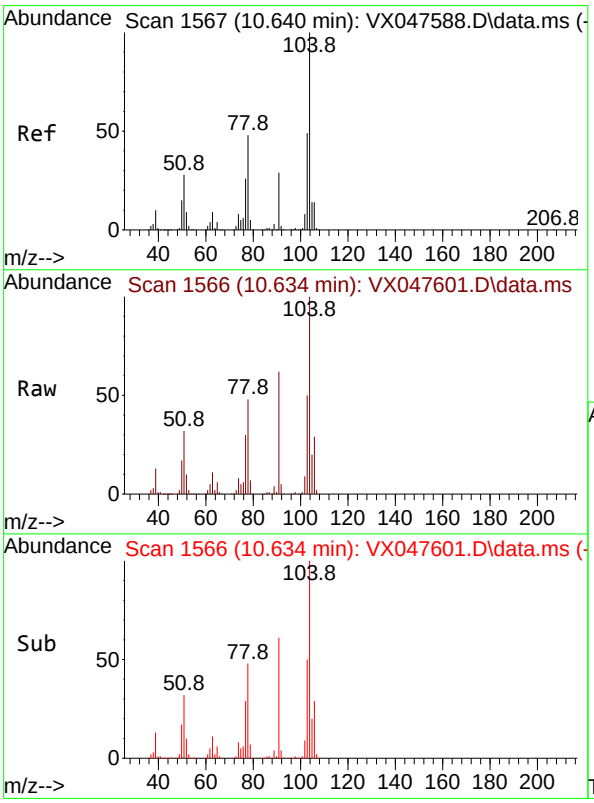
Ion	Ratio	Lower	Upper
106	100		
91	222.7	111.1	333.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

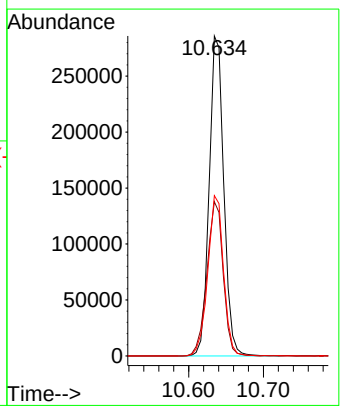


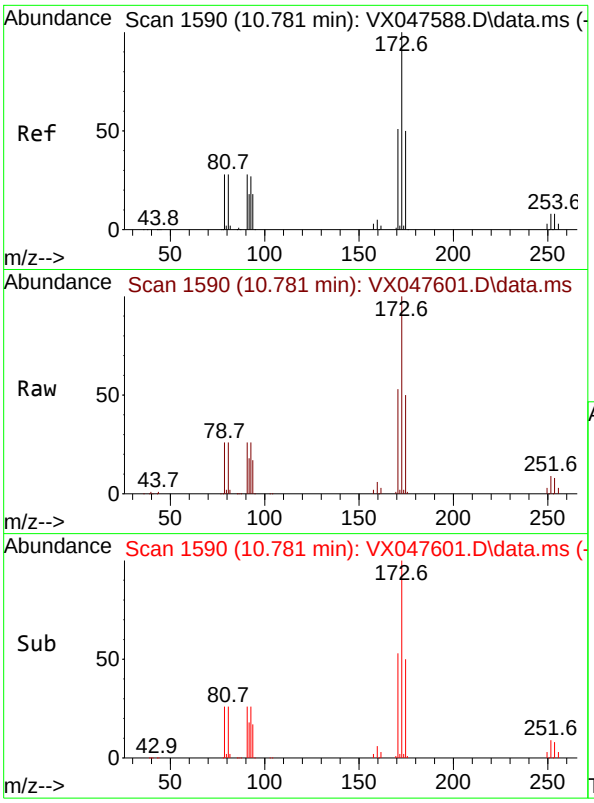


#70
Styrene
Concen: 53.018 ug/l
RT: 10.634 min Scan# 1566
Delta R.T. -0.006 min
Lab File: VX047601.D
Acq: 17 Sep 2025 08:51

Tgt Ion:104 Resp: 388352

Ion	Ratio	Lower	Upper
104	100		
78	53.7	43.1	64.7
103	54.0	43.1	64.7

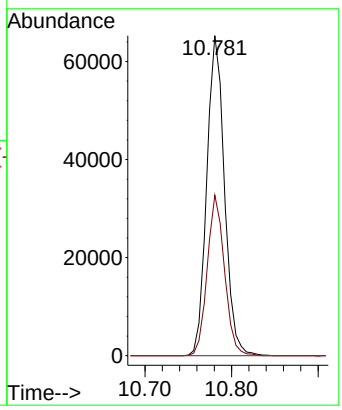




#71
Bromoform
Concen: 53.344 ug/l
RT: 10.781 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047601.D
Acq: 17 Sep 2025 08:51

Tgt Ion:173 Resp: 9250

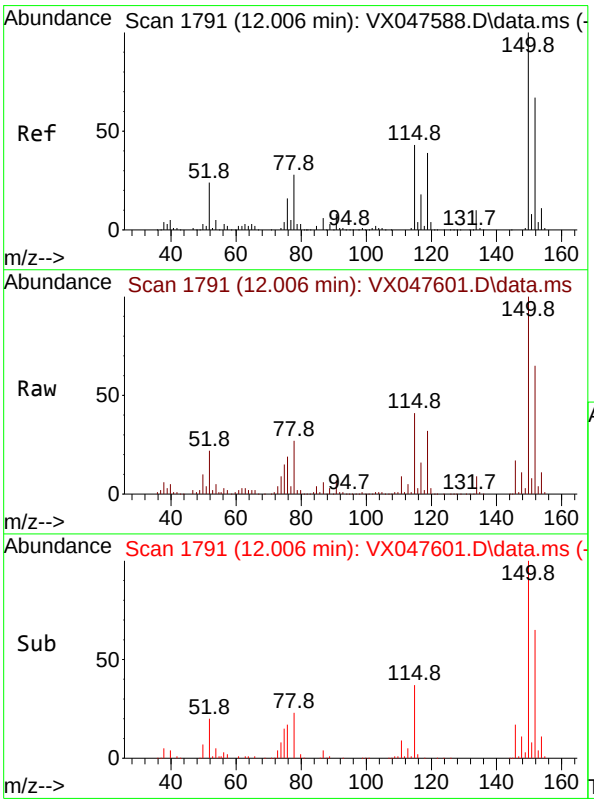
Ion	Ratio	Lower	Upper
173	100		
175	49.0	24.9	74.6
254	0.0	0.1	0.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

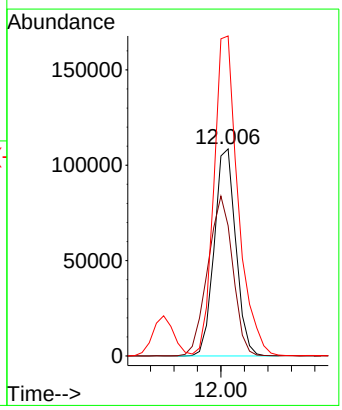
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

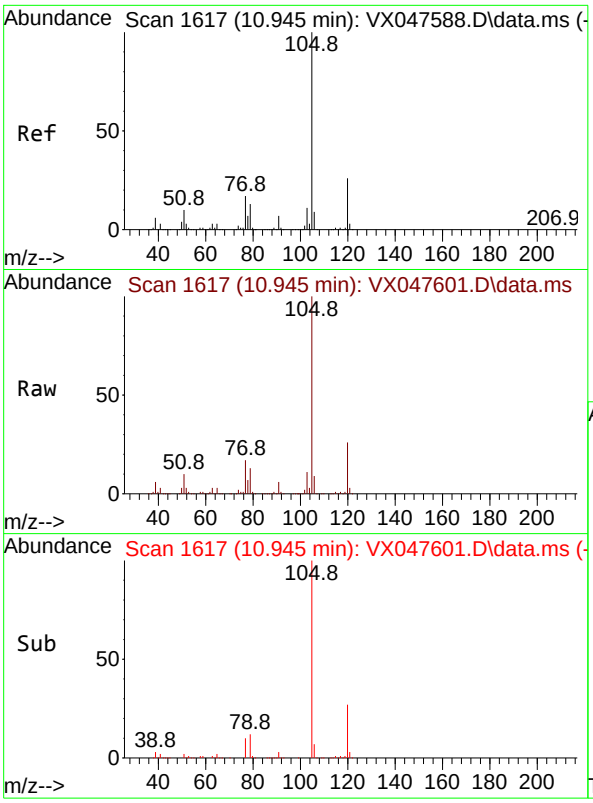


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX047601.D
Acq: 17 Sep 2025 08:51

Tgt Ion:152 Resp: 138326

Ion	Ratio	Lower	Upper
152	100		
115	89.6	44.9	134.5
150	173.0	0.0	352.0





#73
Isopropylbenzene
Concen: 56.769 ug/l
RT: 10.945 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047601.D
Acq: 17 Sep 2025 08:51

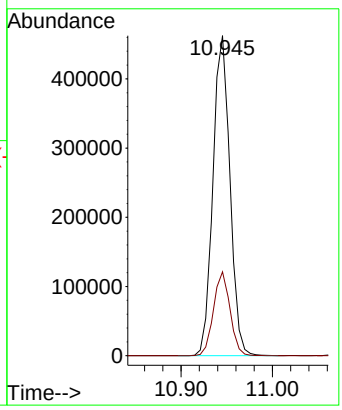
Tgt Ion:105 Resp: 59700

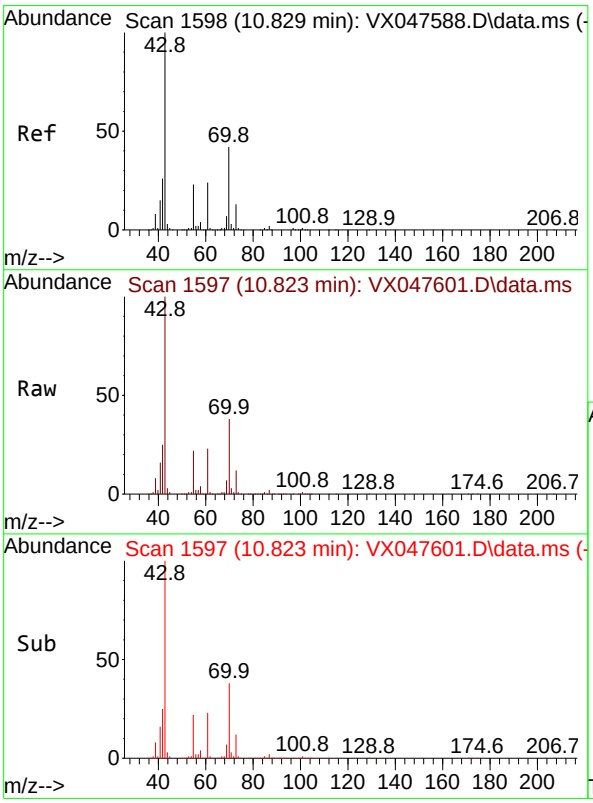
Ion	Ratio	Lower	Upper
105	100		
120	25.5	12.8	38.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

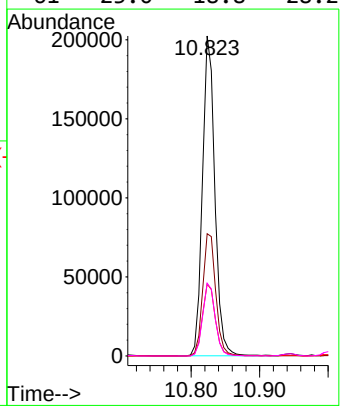


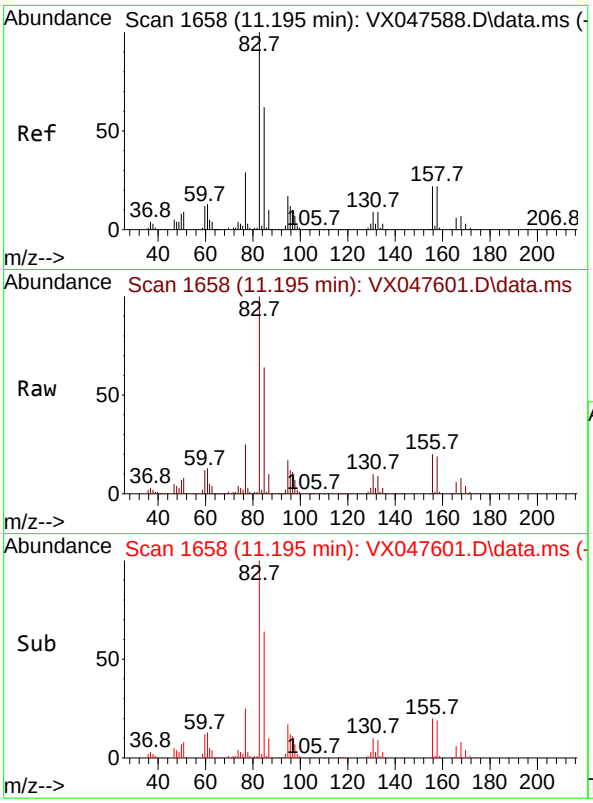


#74
N-amyl acetate
Concen: 53.201 ug/l
RT: 10.823 min Scan# 1597
Delta R.T. -0.006 min
Lab File: VX047601.D
Acq: 17 Sep 2025 08:51

Tgt Ion: 43 Resp: 255134

Ion	Ratio	Lower	Upper
43	100		
70	40.3	32.0	48.0
55	23.4	18.9	28.3
61	23.0	18.8	28.2





#75
1,1,2,2-Tetrachloroethane
Concen: 52.532 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047601.D
Acq: 17 Sep 2025 08:51

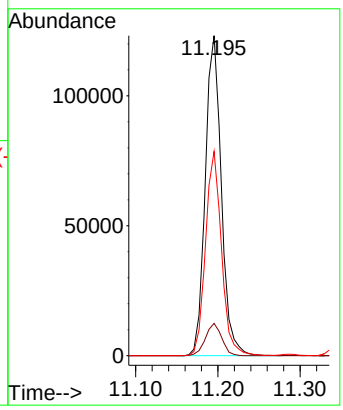
Tgt Ion: 83 Resp: 16714

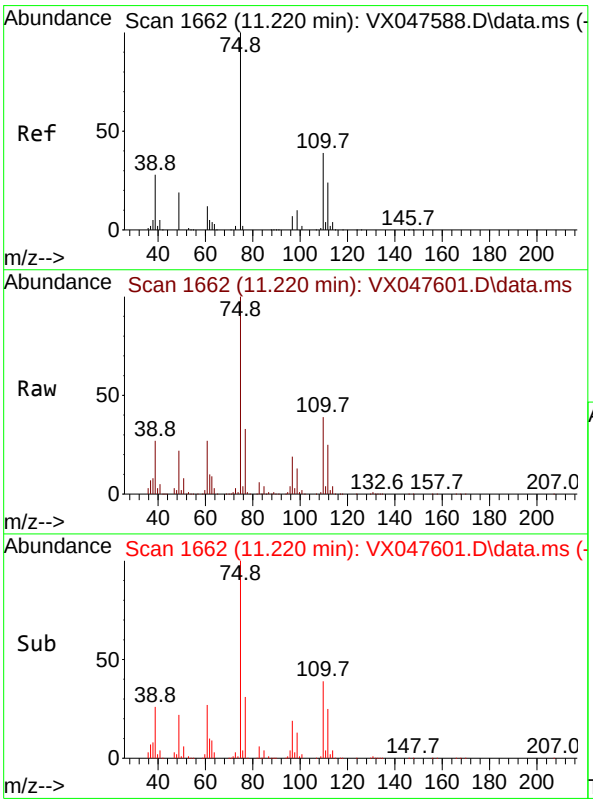
Ion	Ratio	Lower	Upper
83	100		
131	10.3	5.0	14.9
85	63.6	31.6	95.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

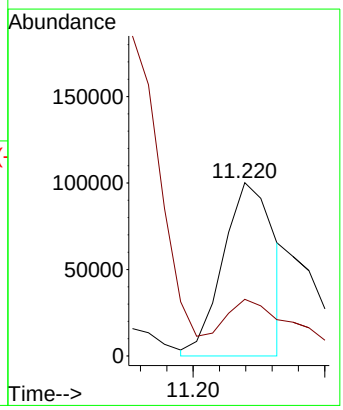


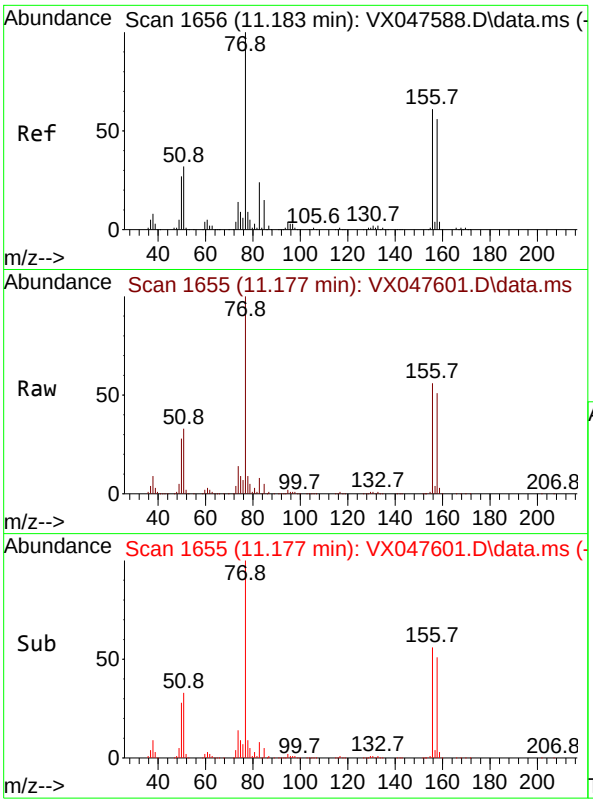


#76
1,2,3-Trichloropropane
Concen: 47.990 ug/l m
RT: 11.220 min Scan# 1662
Delta R.T. 0.000 min
Lab File: VX047601.D
Acq: 17 Sep 2025 08:51

Tgt Ion: 75 Resp: 134404

Ion	Ratio	Lower	Upper
75	100		
77	46.2	18.8	56.4

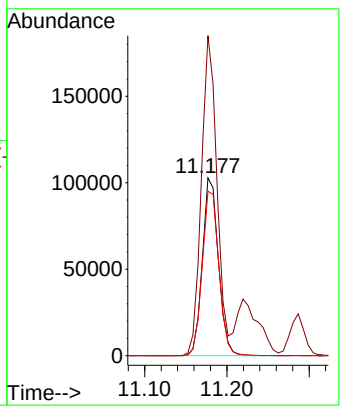




#77
Bromobenzene
Concen: 53.683 ug/l
RT: 11.177 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047601.D
Acq: 17 Sep 2025 08:51

Tgt Ion:156 Resp: 13904

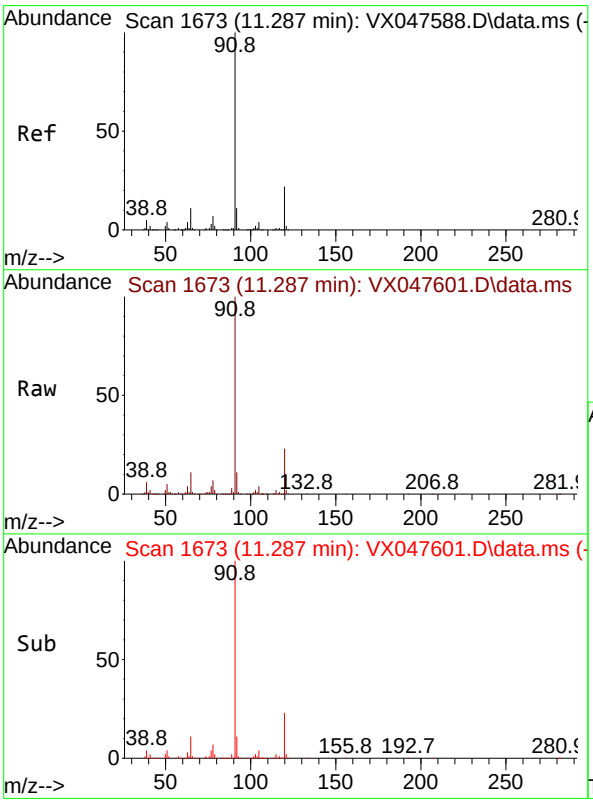
Ion	Ratio	Lower	Upper
156	100		
77	174.5	89.7	269.1
158	95.9	47.9	143.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

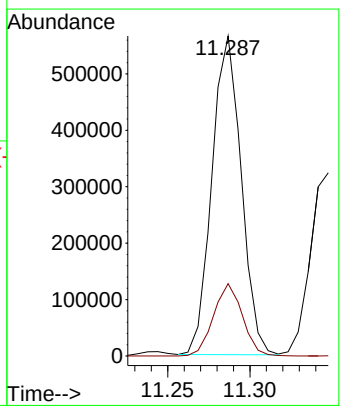
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

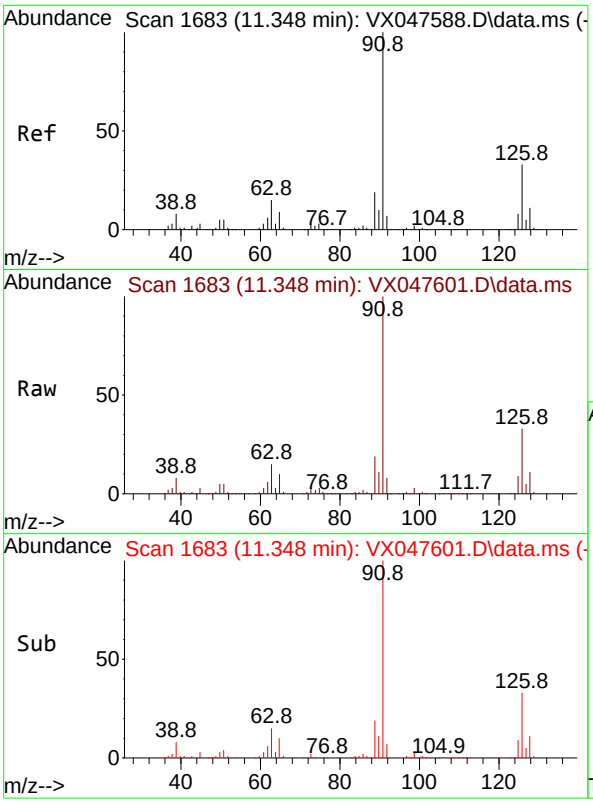


#78
n-propylbenzene
Concen: 56.362 ug/l
RT: 11.287 min Scan# 1673
Delta R.T. 0.000 min
Lab File: VX047601.D
Acq: 17 Sep 2025 08:51

Tgt Ion: 91 Resp: 700672

Ion	Ratio	Lower	Upper
91	100		
120	22.3	11.1	33.1





#79
2-Chlorotoluene
Concen: 54.410 ug/l
RT: 11.348 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047601.D
Acq: 17 Sep 2025 08:51

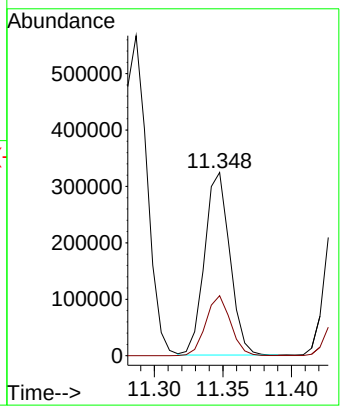
Tgt Ion: 91 Resp: 41428

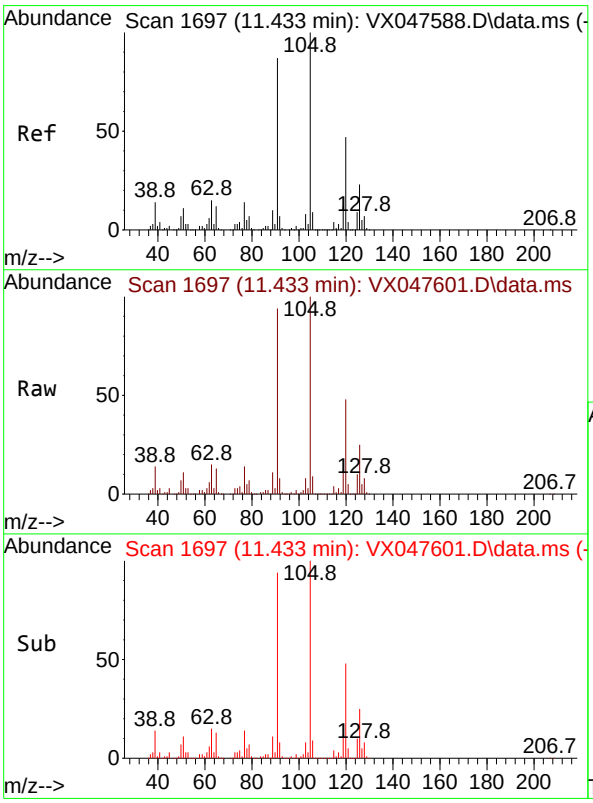
Ion	Ratio	Lower	Upper
91	100		
126	32.3	16.1	48.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

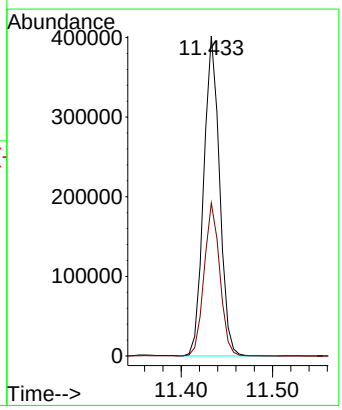


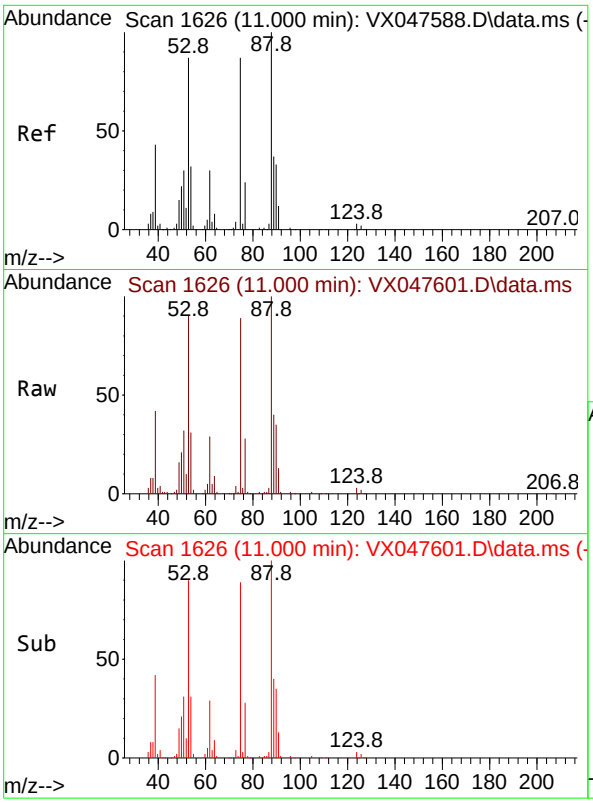


#80
1,3,5-Trimethylbenzene
Concen: 55.653 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. 0.000 min
Lab File: VX047601.D
Acq: 17 Sep 2025 08:51

Tgt Ion:105 Resp: 480850

Ion	Ratio	Lower	Upper
105	100		
120	47.3	23.6	70.8

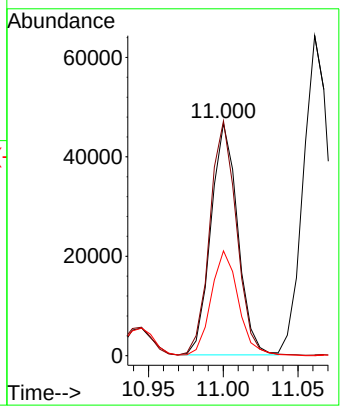




#81
trans-1,4-Dichloro-2-butene
Concen: 52.870 ug/l
RT: 11.000 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047601.D
Acq: 17 Sep 2025 08:51

Tgt Ion: 75 Resp: 5806

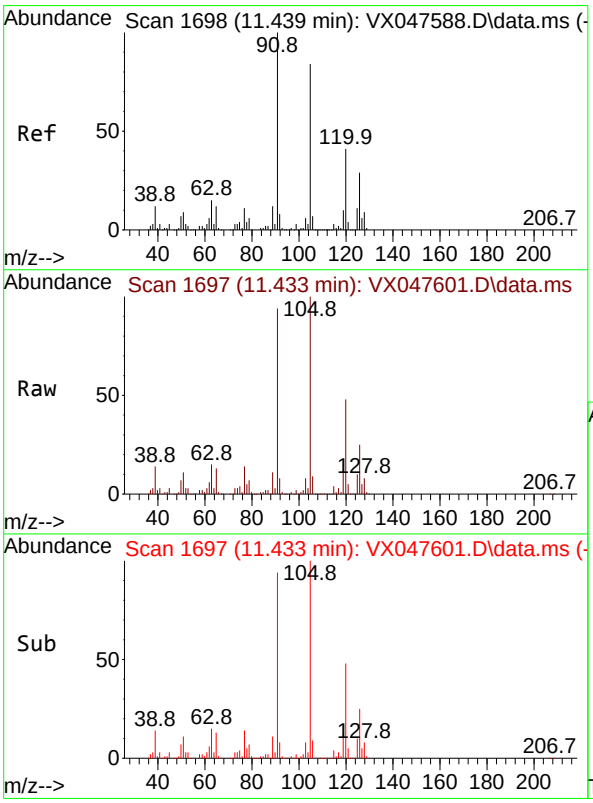
Ion	Ratio	Lower	Upper
75	100		
53	101.1	83.4	125.2
89	46.2	36.3	54.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

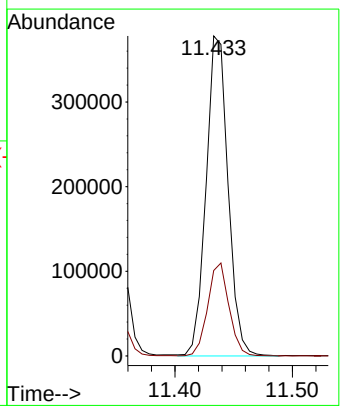
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

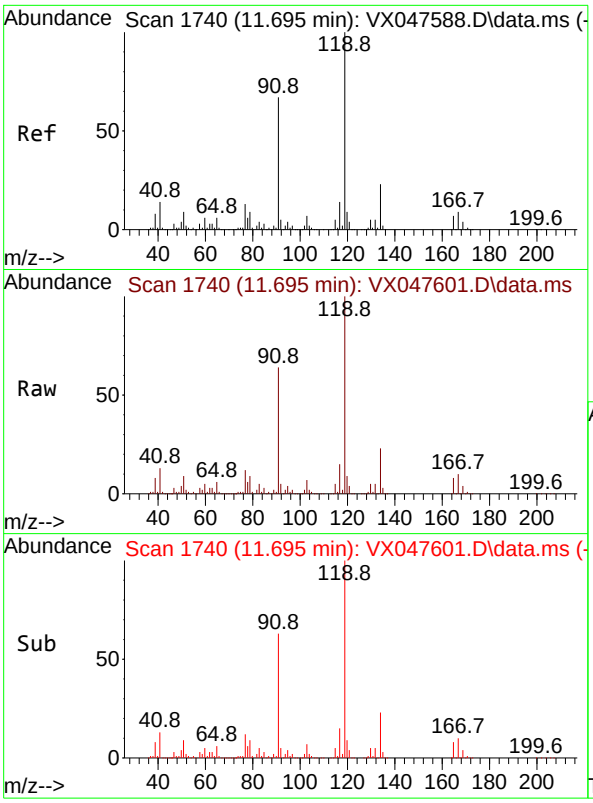


#82
4-Chlorotoluene
Concen: 54.611 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.006 min
Lab File: VX047601.D
Acq: 17 Sep 2025 08:51

Tgt Ion: 91 Resp: 491100

Ion	Ratio	Lower	Upper
91	100		
126	28.3	14.2	42.6

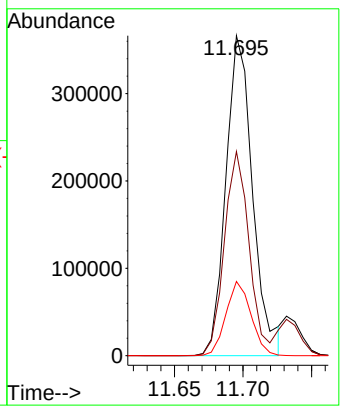




#83
tert-Butylbenzene
Concen: 56.276 ug/l
RT: 11.695 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047601.D
Acq: 17 Sep 2025 08:51

Tgt Ion:119 Resp: 49775

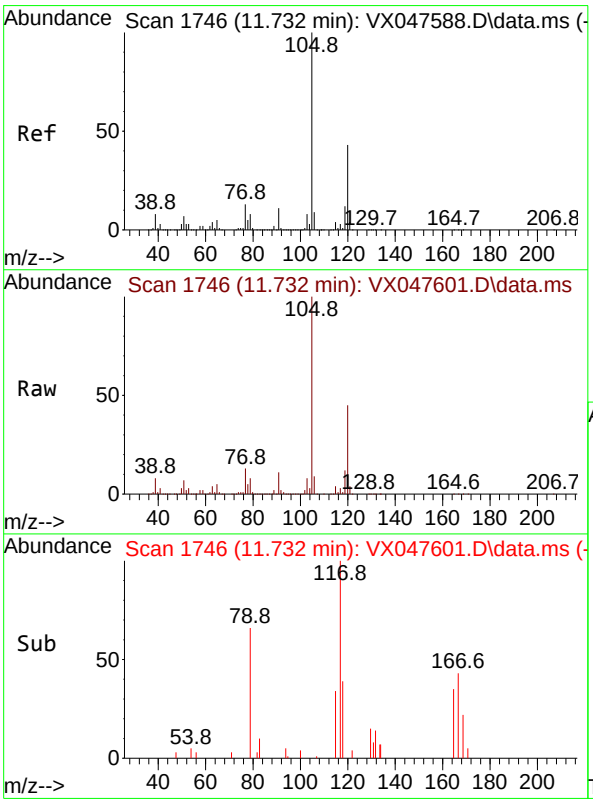
Ion	Ratio	Lower	Upper
119	100		
91	59.1	29.6	88.8
134	21.8	11.0	33.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

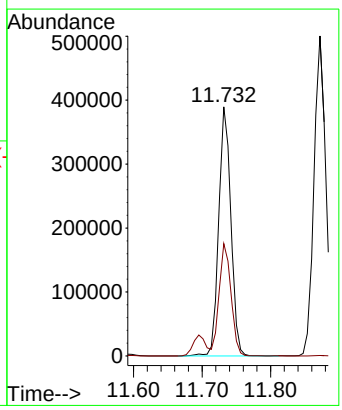
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

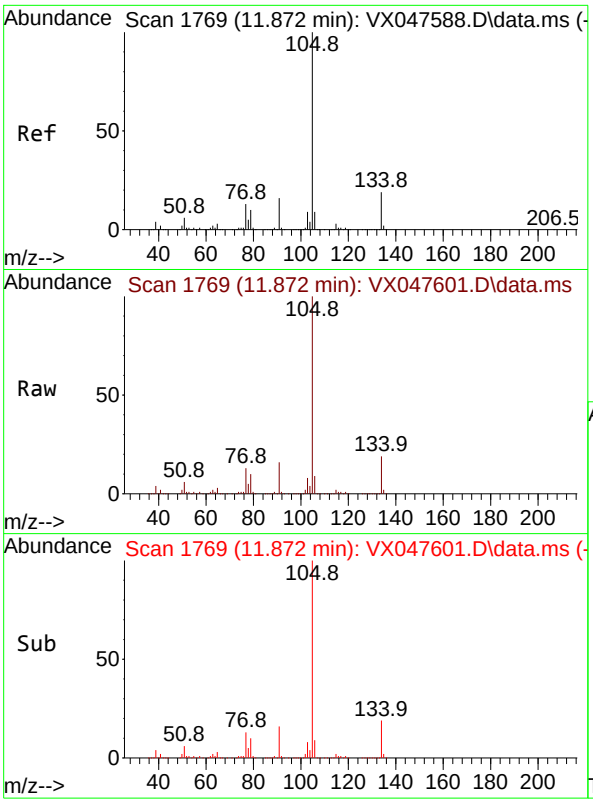


#84
1,2,4-Trimethylbenzene
Concen: 54.636 ug/l
RT: 11.732 min Scan# 1746
Delta R.T. 0.000 min
Lab File: VX047601.D
Acq: 17 Sep 2025 08:51

Tgt Ion:105 Resp: 478593

Ion	Ratio	Lower	Upper
105	100		
120	44.0	22.1	66.1

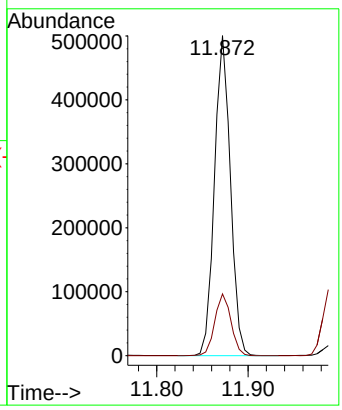




#85
sec-Butylbenzene
Concen: 57.537 ug/l
RT: 11.872 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047601.D
Acq: 17 Sep 2025 08:51

Tgt Ion:105 Resp: 60447

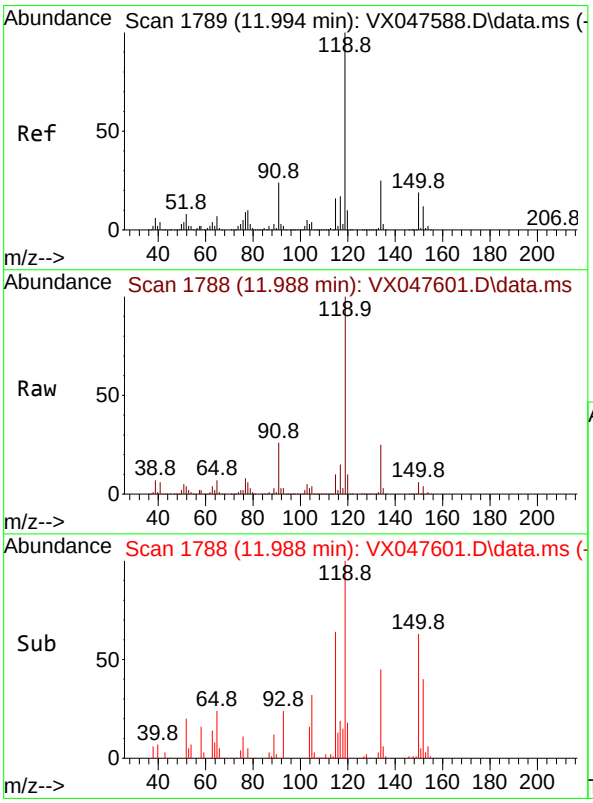
Ion	Ratio	Lower	Upper
105	100		
134	19.7	9.8	29.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

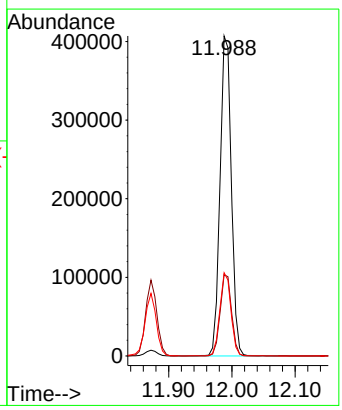
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

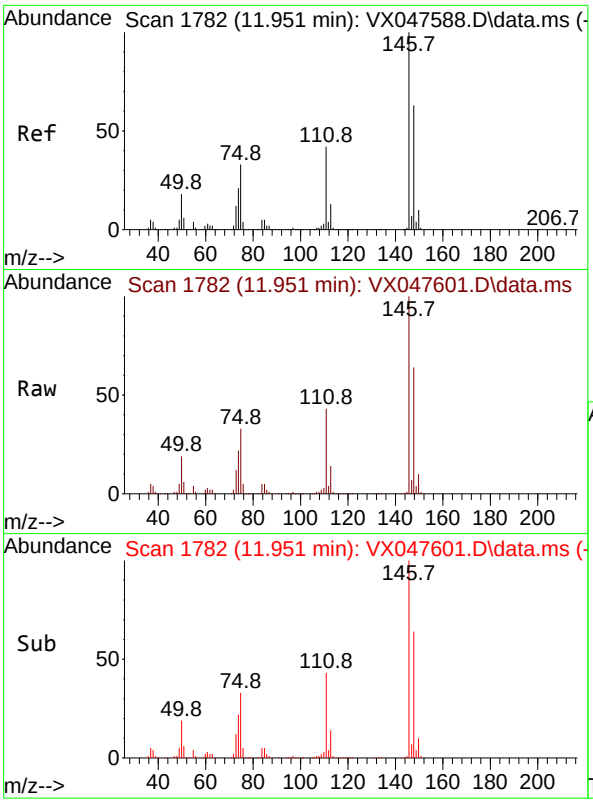


#86
p-Isopropyltoluene
Concen: 56.500 ug/l
RT: 11.988 min Scan# 1788
Delta R.T. -0.006 min
Lab File: VX047601.D
Acq: 17 Sep 2025 08:51

Tgt Ion:119 Resp: 502524

Ion	Ratio	Lower	Upper
119	100		
134	25.7	12.6	37.8
91	25.6	12.6	37.6

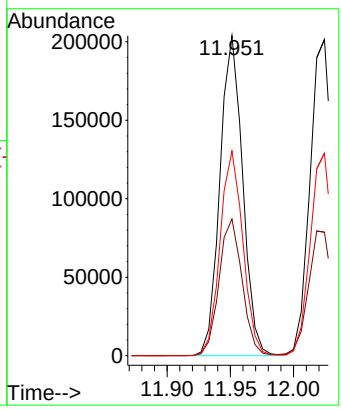




#87
1,3-Dichlorobenzene
Concen: 52.880 ug/l
RT: 11.951 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047601.D
Acq: 17 Sep 2025 08:51

Tgt Ion:146 Resp: 25440

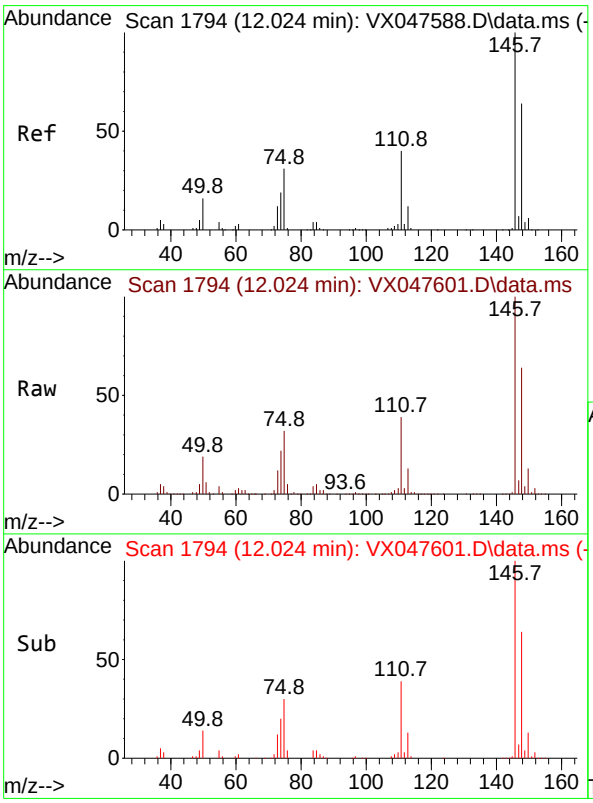
Ion	Ratio	Lower	Upper
146	100		
111	43.4	21.5	64.5
148	64.3	32.0	96.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

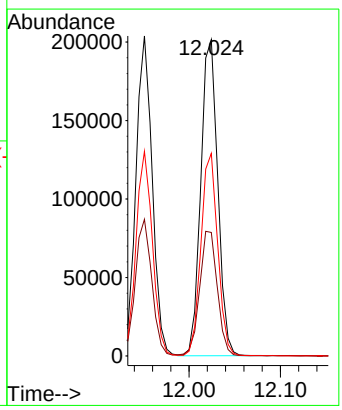
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

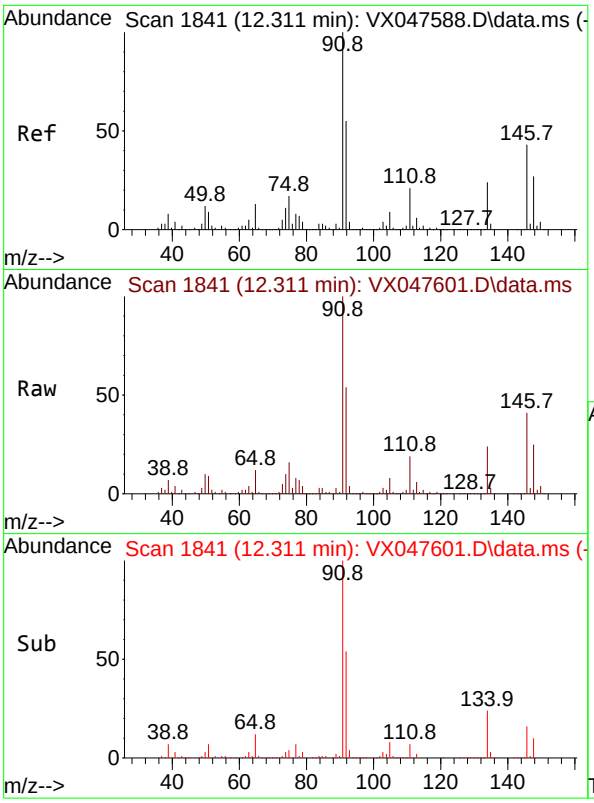


#88
1,4-Dichlorobenzene
Concen: 52.453 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX047601.D
Acq: 17 Sep 2025 08:51

Tgt Ion:146 Resp: 258994

Ion	Ratio	Lower	Upper
146	100		
111	41.2	20.8	62.4
148	63.6	31.7	95.1





#89
n-Butylbenzene
Concen: 58.099 ug/l
RT: 12.311 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047601.D
Acq: 17 Sep 2025 08:51

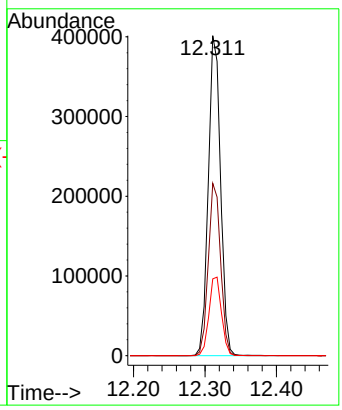
Tgt Ion: 91 Resp: 47814

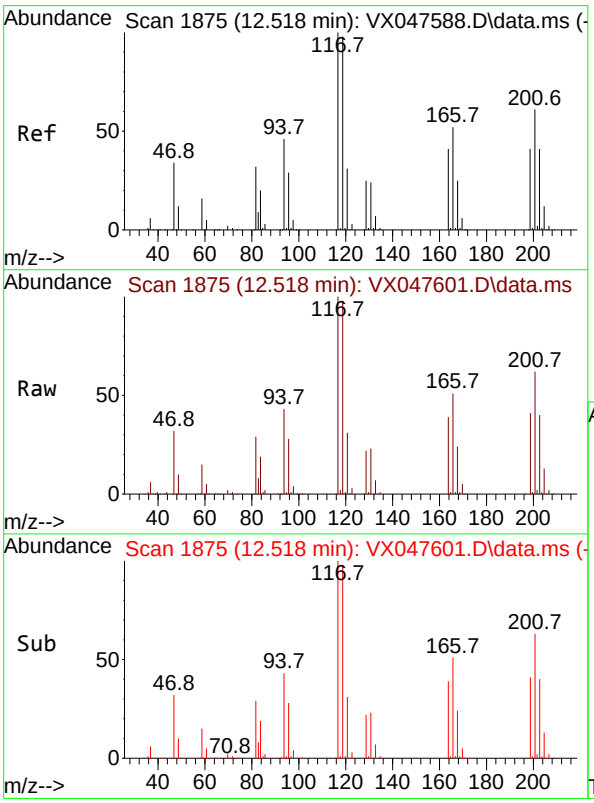
Ion	Ratio	Lower	Upper
91	100		
92	54.1	27.6	82.7
134	25.1	12.6	37.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

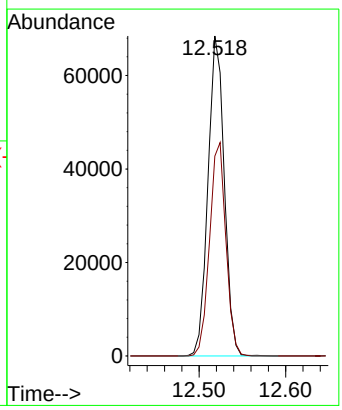


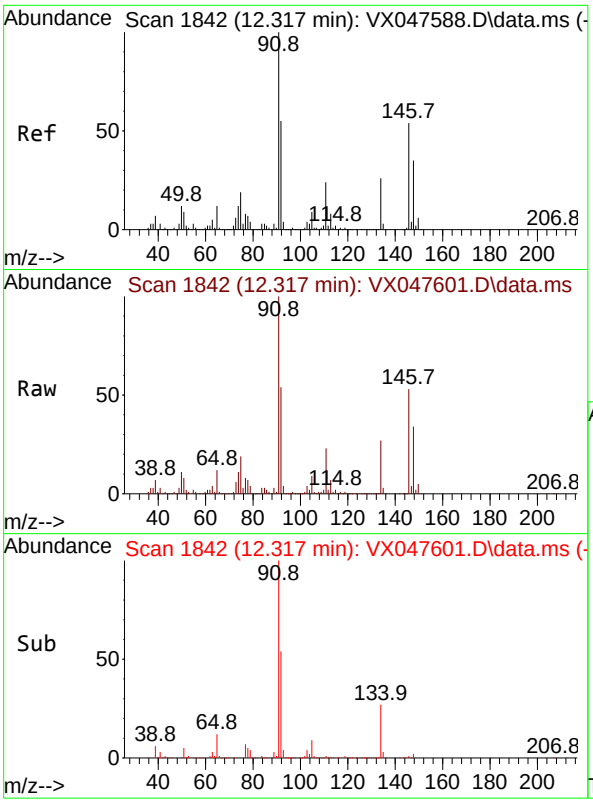


#90
Hexachloroethane
Concen: 57.248 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. 0.000 min
Lab File: VX047601.D
Acq: 17 Sep 2025 08:51

Tgt Ion:117 Resp: 89396

Ion	Ratio	Lower	Upper
117	100		
201	66.8	34.2	102.5

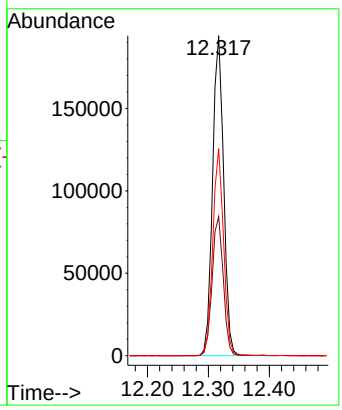




#91
1,2-Dichlorobenzene
Concen: 53.301 ug/l
RT: 12.317 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047601.D
Acq: 17 Sep 2025 08:51

Tgt Ion:146 Resp: 24430

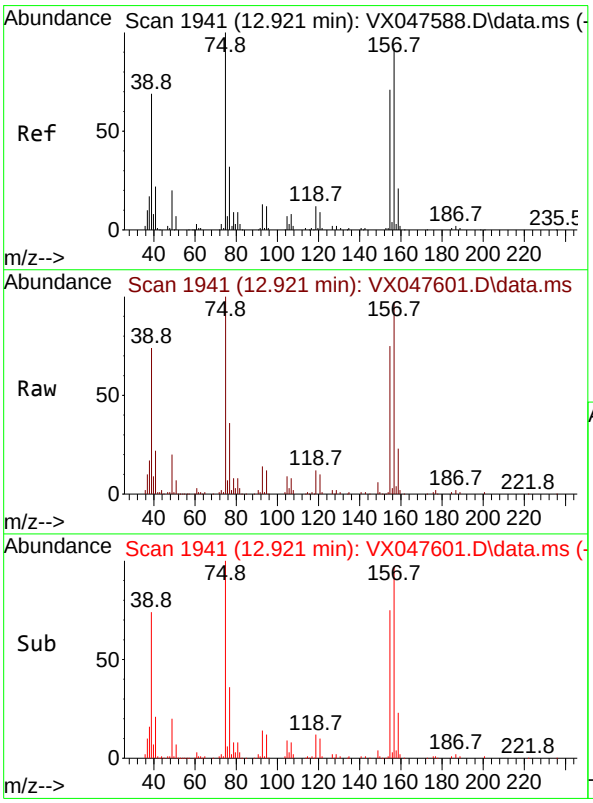
Ion	Ratio	Lower	Upper
146	100		
111	43.8	22.2	66.6
148	63.1	31.8	95.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

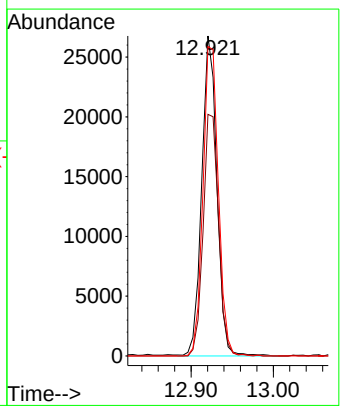
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

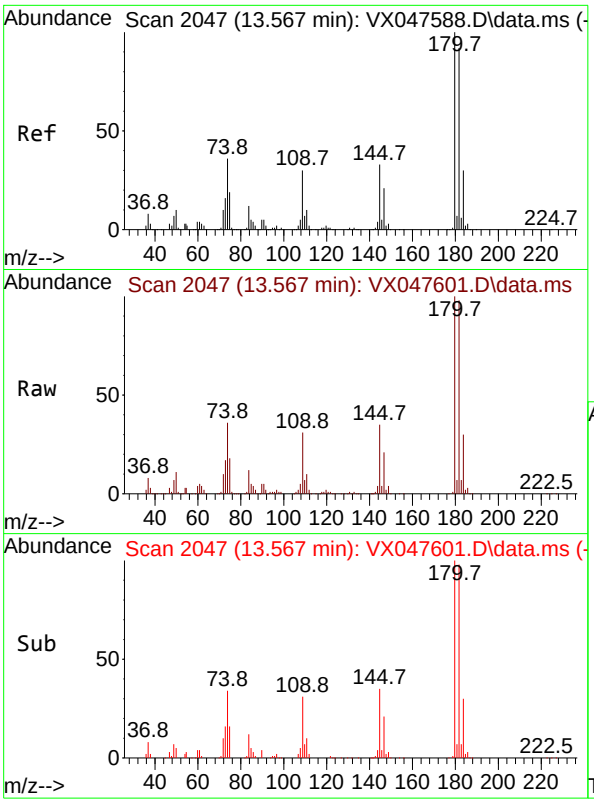


#92
1,2-Dibromo-3-Chloropropane
Concen: 53.081 ug/l
RT: 12.921 min Scan# 1941
Delta R.T. 0.000 min
Lab File: VX047601.D
Acq: 17 Sep 2025 08:51

Tgt Ion: 75 Resp: 34194

Ion	Ratio	Lower	Upper
75	100		
155	77.0	37.7	113.1
157	98.6	49.8	149.4

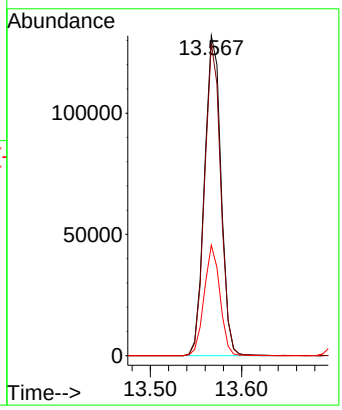




#93
1,2,4-Trichlorobenzene
Concen: 55.373 ug/l
RT: 13.567 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX047601.D
Acq: 17 Sep 2025 08:51

Tgt Ion:180 Resp: 16494

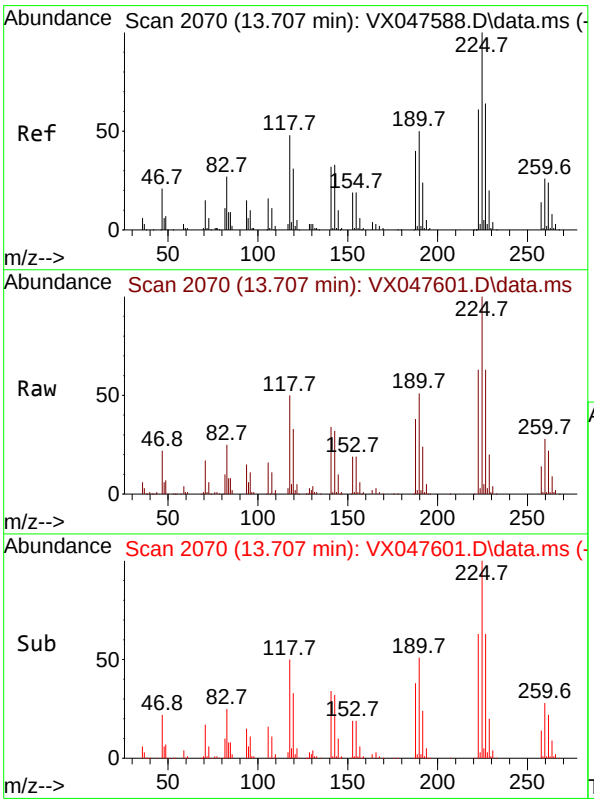
Ion	Ratio	Lower	Upper
180	100		
182	95.5	46.6	139.8
145	33.0	16.4	49.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

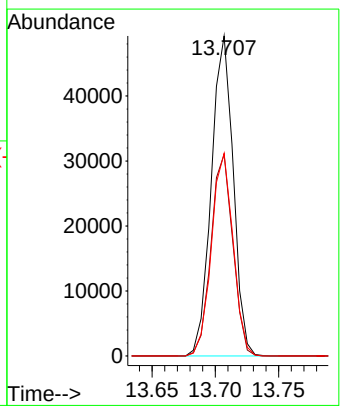
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

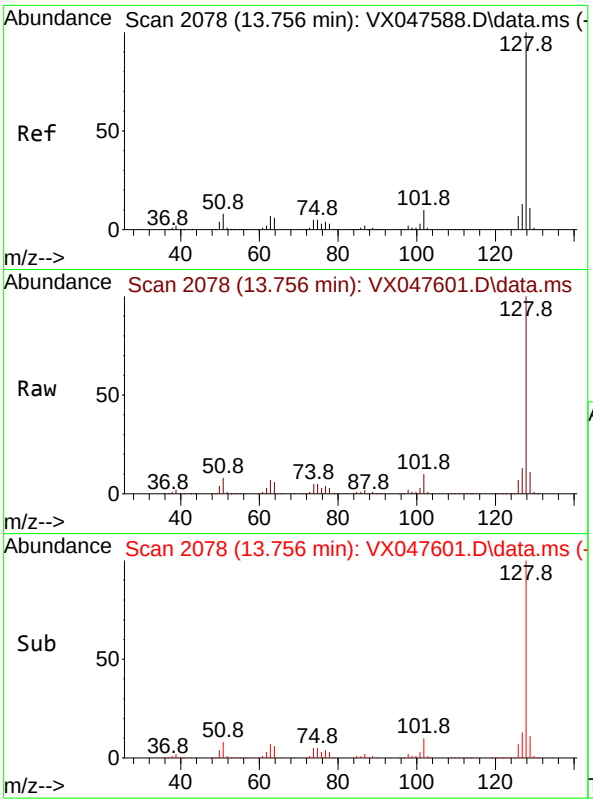


#94
Hexachlorobutadiene
Concen: 58.500 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. 0.000 min
Lab File: VX047601.D
Acq: 17 Sep 2025 08:51

Tgt Ion:225 Resp: 59191

Ion	Ratio	Lower	Upper
225	100		
223	62.8	31.7	95.1
227	62.8	32.0	96.0

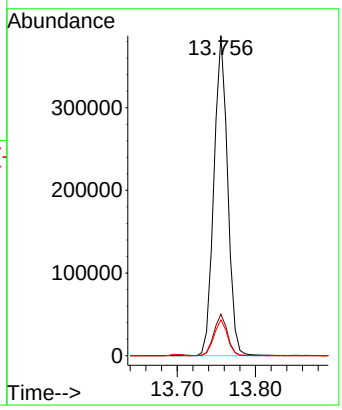




#95
Naphthalene
Concen: 51.900 ug/l
RT: 13.756 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX047601.D
Acq: 17 Sep 2025 08:51

Tgt Ion:128 Resp: 47077

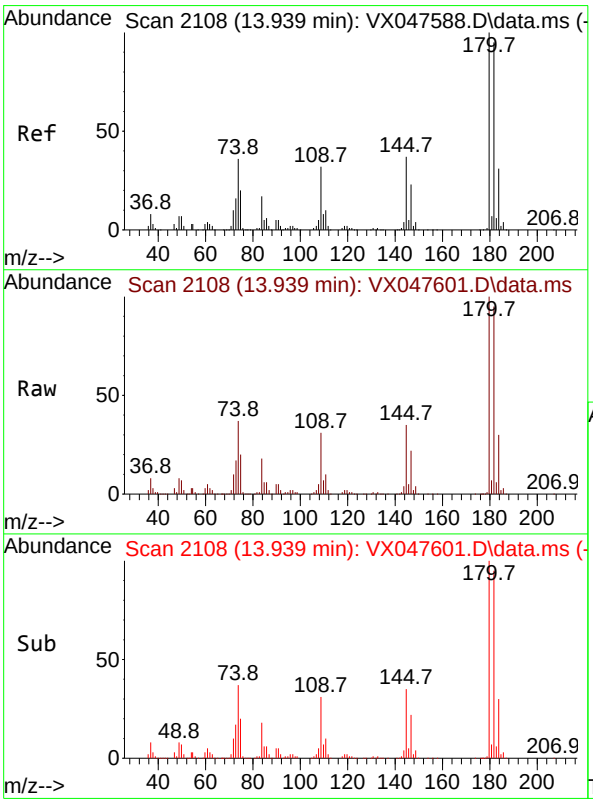
Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.2
129	11.1	8.8	13.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

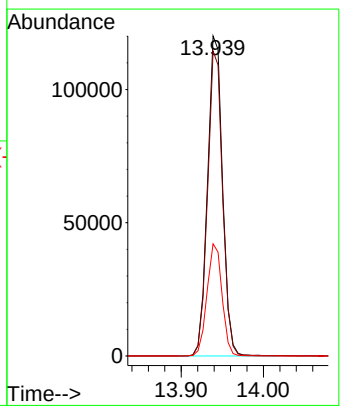
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025



#96
1,2,3-Trichlorobenzene
Concen: 54.873 ug/l
RT: 13.939 min Scan# 2108
Delta R.T. 0.000 min
Lab File: VX047601.D
Acq: 17 Sep 2025 08:51

Tgt Ion:180 Resp: 152049

Ion	Ratio	Lower	Upper
180	100		
182	95.0	47.6	142.8
145	35.1	17.9	53.7



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091725\
Data File : VX047601.D
Acq On : 17 Sep 2025 08:51
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Sep 18 01:54:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 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	117	-0.01
2	T	Dichlorodifluoromethane	0.518	0.588	-13.5	138	0.00
3	P	Chloromethane	0.680	0.692	-1.8	123	0.00
4	C	Vinyl Chloride	0.666	0.744	-11.7#	132	0.00
5	T	Bromomethane	0.422	0.456	-8.1	126	0.00
6	T	Chloroethane	0.445	0.480	-7.9	127	0.00
7	T	Trichlorofluoromethane	0.989	1.145	-15.8	135	0.00
8	T	Diethyl Ether	0.405	0.426	-5.2	122	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.578	0.682	-18.0	137	0.00
10	T	Methyl Iodide	0.902	0.907	-0.6	117	0.00
11	T	Tert butyl alcohol	0.089	0.088	1.1	115	0.00
12	CM	1,1-Dichloroethene	0.594	0.660	-11.1#	128	0.00
13	T	Acrolein	0.082	0.092	-12.2	133	0.00
14	T	Allyl chloride	1.226	1.281	-4.5	124	0.00
15	T	Acrylonitrile	0.328	0.341	-4.0	115	-0.01
16	T	Acetone	0.346	0.406	-17.3	150	0.00
17	T	Carbon Disulfide	1.626	1.690	-3.9	127	0.00
18	T	Methyl Acetate	0.770	0.866	-12.5	116	0.00
19	T	Methyl tert-butyl Ether	2.169	2.249	-3.7	117	0.00
20	T	Methylene Chloride	0.732	0.734	-0.3	118	0.00
21	T	trans-1,2-Dichloroethene	0.640	0.685	-7.0	124	0.00
22	T	Diisopropyl ether	2.376	2.478	-4.3	117	-0.01
23	T	Vinyl Acetate	1.901	1.942	-2.2	114	0.00
24	P	1,1-Dichloroethane	1.263	1.336	-5.8	121	0.00
25	T	2-Butanone	0.432	0.454	-5.1	121	0.00
26	T	2,2-Dichloropropane	1.050	1.141	-8.7	125	0.00
27	T	cis-1,2-Dichloroethene	0.783	0.811	-3.6	118	-0.01
28	T	Bromochloromethane	0.551	0.577	-4.7	117	-0.01
29	T	Tetrahydrofuran	0.260	0.255	1.9	109	0.00
30	C	Chloroform	1.276	1.326	-3.9#	118	0.00
31	T	Cyclohexane	1.052	1.124	-6.8	128	0.00
32	T	1,1,1-Trichloroethane	1.082	1.164	-7.6	121	0.00
33	S	1,2-Dichloroethane-d4	0.796	0.768	3.5	117	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	113	0.00
35	S	Dibromofluoromethane	0.335	0.352	-5.1	120	-0.01
36	T	1,1-Dichloropropene	0.490	0.515	-5.1	120	-0.01
37	T	Ethyl Acetate	0.525	0.532	-1.3	113	-0.01
38	T	Carbon Tetrachloride	0.532	0.581	-9.2	122	-0.01
39	T	Methylcyclohexane	0.556	0.646	-16.2	129	0.00
40	TM	Benzene	1.488	1.564	-5.1	116	0.00
41	T	Methacrylonitrile	0.271	0.280	-3.3	111	0.00
42	TM	1,2-Dichloroethane	0.566	0.577	-1.9	112	0.00
43	T	Isopropyl Acetate	0.860	0.869	-1.0	110	0.00
44	TM	Trichloroethene	0.360	0.386	-7.2	118	0.00
45	C	1,2-Dichloropropane	0.381	0.397	-4.2#	113	0.00
46	T	Dibromomethane	0.277	0.281	-1.4	111	0.00
47	T	Bromodichloromethane	0.572	0.605	-5.8	113	0.00
48	T	Methyl methacrylate	0.429	0.430	-0.2	108	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091725\
Data File : VX047601.D
Acq On : 17 Sep 2025 08:51
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Sep 18 01:54:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 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	0.004	0.005	-25.0	110	0.00
50	S	Toluene-d8	1.160	1.191	-2.7	117	0.00
51	T	4-Methyl-2-Pentanone	0.477	0.481	-0.8	107	0.00
52	CM	Toluene	0.917	0.945	-3.1#	114	0.00
53	T	t-1,3-Dichloropropene	0.584	0.604	-3.4	110	0.00
54	T	cis-1,3-Dichloropropene	0.624	0.650	-4.2	113	0.00
55	T	1,1,2-Trichloroethane	0.354	0.354	0.0	109	0.00
56	T	Ethyl methacrylate	0.555	0.581	-4.7	110	0.00
57	T	1,3-Dichloropropane	0.607	0.620	-2.1	110	0.00
58	T	2-Chloroethyl Vinyl ether	0.227	0.279	-22.9	116	0.00
59	T	2-Hexanone	0.343	0.342	0.3	108	0.00
60	T	Dibromochloromethane	0.407	0.425	-4.4	111	0.00
61	T	1,2-Dibromoethane	0.360	0.366	-1.7	109	0.00
62	S	4-Bromofluorobenzene	0.440	0.448	-1.8	119	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	110	0.00
64	T	Tetrachloroethene	0.326	0.353	-8.3	119	0.00
65	PM	Chlorobenzene	1.136	1.193	-5.0	111	0.00
66	T	1,1,1,2-Tetrachloroethane	0.392	0.420	-7.1	111	0.00
67	C	Ethyl Benzene	1.960	2.137	-9.0#	115	0.00
68	T	m/p-Xylenes	0.729	0.793	-8.8	114	0.00
69	T	o-Xylene	0.706	0.757	-7.2	111	0.00
70	T	Styrene	1.236	1.311	-6.1	111	0.00
71	P	Bromoform	0.293	0.312	-6.5	109	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	108	0.00
73	T	Isopropylbenzene	3.801	4.316	-13.5	115	0.00
74	T	N-amyl acetate	1.733	1.844	-6.4	107	0.00
75	P	1,1,2,2-Tetrachloroethane	1.150	1.208	-5.0	107	0.00
76	T	1,2,3-Trichloropropane	1.012	0.972	4.0	93	0.00
77	T	Bromobenzene	0.936	1.005	-7.4	110	0.00
78	T	n-propylbenzene	4.494	5.065	-12.7	114	0.00
79	T	2-Chlorotoluene	2.752	2.995	-8.8	111	0.00
80	T	1,3,5-Trimethylbenzene	3.123	3.476	-11.3	113	0.00
81	T	trans-1,4-Dichloro-2-butene	0.397	0.420	-5.8	110	0.00
82	T	4-Chlorotoluene	3.251	3.550	-9.2	112	0.00
83	T	tert-Butylbenzene	3.197	3.598	-12.5	116	0.00
84	T	1,2,4-Trimethylbenzene	3.166	3.460	-9.3	112	0.00
85	T	sec-Butylbenzene	3.797	4.370	-15.1	118	0.00
86	T	p-Isopropyltoluene	3.215	3.633	-13.0	115	0.00
87	T	1,3-Dichlorobenzene	1.739	1.839	-5.8	110	0.00
88	T	1,4-Dichlorobenzene	1.785	1.872	-4.9	111	0.00
89	T	n-Butylbenzene	2.975	3.457	-16.2	119	0.00
90	T	Hexachloroethane	0.564	0.646	-14.5	118	0.00
91	T	1,2-Dichlorobenzene	1.657	1.766	-6.6	110	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.233	0.247	-6.0	105	0.00
93	T	1,2,4-Trichlorobenzene	1.077	1.192	-10.7	112	0.00
94	T	Hexachlorobutadiene	0.366	0.428	-16.9	121	0.00
95	T	Naphthalene	3.279	3.403	-3.8	104	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091725\
Data File : VX047601.D
Acq On : 17 Sep 2025 08:51
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Sep 18 01:54:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 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	1.002	1.099	-9.7	109	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091725\
Data File : VX047601.D
Acq On : 17 Sep 2025 08:51
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Sep 18 01:54:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 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	117	-0.01
2	T	Dichlorodifluoromethane	50.000	56.749	-13.5	138	0.00
3	P	Chloromethane	50.000	50.862	-1.7	123	0.00
4	C	Vinyl Chloride	50.000	55.869	-11.7#	132	0.00
5	T	Bromomethane	50.000	53.964	-7.9	126	0.00
6	T	Chloroethane	50.000	53.918	-7.8	127	0.00
7	T	Trichlorofluoromethane	50.000	57.862	-15.7	135	0.00
8	T	Diethyl Ether	50.000	52.708	-5.4	122	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	58.976	-18.0	137	0.00
10	T	Methyl Iodide	50.000	50.278	-0.6	117	0.00
11	T	Tert butyl alcohol	250.000	246.787	1.3	115	0.00
12	CM	1,1-Dichloroethene	50.000	55.558	-11.1#	128	0.00
13	T	Acrolein	250.000	282.934	-13.2	133	0.00
14	T	Allyl chloride	50.000	52.235	-4.5	124	0.00
15	T	Acrylonitrile	250.000	259.342	-3.7	115	-0.01
16	T	Acetone	250.000	292.978	-17.2	150	0.00
17	T	Carbon Disulfide	50.000	51.957	-3.9	127	0.00
18	T	Methyl Acetate	50.000	56.209	-12.4	116	0.00
19	T	Methyl tert-butyl Ether	50.000	51.848	-3.7	117	0.00
20	T	Methylene Chloride	50.000	50.101	-0.2	118	0.00
21	T	trans-1,2-Dichloroethene	50.000	53.572	-7.1	124	0.00
22	T	Diisopropyl ether	50.000	52.144	-4.3	117	-0.01
23	T	Vinyl Acetate	250.000	255.362	-2.1	114	0.00
24	P	1,1-Dichloroethane	50.000	52.891	-5.8	121	0.00
25	T	2-Butanone	250.000	262.937	-5.2	121	0.00
26	T	2,2-Dichloropropane	50.000	54.356	-8.7	125	0.00
27	T	cis-1,2-Dichloroethene	50.000	51.768	-3.5	118	-0.01
28	T	Bromochloromethane	50.000	52.297	-4.6	117	-0.01
29	T	Tetrahydrofuran	250.000	245.552	1.8	109	0.00
30	C	Chloroform	50.000	51.965	-3.9#	118	0.00
31	T	Cyclohexane	50.000	53.460	-6.9	128	0.00
32	T	1,1,1-Trichloroethane	50.000	53.767	-7.5	121	0.00
33	S	1,2-Dichloroethane-d4	50.000	48.251	3.5	117	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	113	0.00
35	S	Dibromofluoromethane	50.000	52.444	-4.9	120	-0.01
36	T	1,1-Dichloropropene	50.000	52.533	-5.1	120	-0.01
37	T	Ethyl Acetate	50.000	50.738	-1.5	113	-0.01
38	T	Carbon Tetrachloride	50.000	54.553	-9.1	122	-0.01
39	T	Methylcyclohexane	50.000	58.054	-16.1	129	0.00
40	TM	Benzene	50.000	52.544	-5.1	116	0.00
41	T	Methacrylonitrile	50.000	51.658	-3.3	111	0.00
42	TM	1,2-Dichloroethane	50.000	50.968	-1.9	112	0.00
43	T	Isopropyl Acetate	50.000	50.484	-1.0	110	0.00
44	TM	Trichloroethene	50.000	53.660	-7.3	118	0.00
45	C	1,2-Dichloropropane	50.000	52.025	-4.0#	113	0.00
46	T	Dibromomethane	50.000	50.718	-1.4	111	0.00
47	T	Bromodichloromethane	50.000	52.844	-5.7	113	0.00
48	T	Methyl methacrylate	50.000	50.209	-0.4	108	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091725\
Data File : VX047601.D
Acq On : 17 Sep 2025 08:51
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Sep 18 01:54:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 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	1076.055	-7.6	110	0.00
50	S	Toluene-d8	50.000	51.305	-2.6	117	0.00
51	T	4-Methyl-2-Pentanone	250.000	252.257	-0.9	107	0.00
52	CM	Toluene	50.000	51.549	-3.1#	114	0.00
53	T	t-1,3-Dichloropropene	50.000	51.714	-3.4	110	0.00
54	T	cis-1,3-Dichloropropene	50.000	52.078	-4.2	113	0.00
55	T	1,1,2-Trichloroethane	50.000	50.100	-0.2	109	0.00
56	T	Ethyl methacrylate	50.000	52.281	-4.6	110	0.00
57	T	1,3-Dichloropropane	50.000	51.047	-2.1	110	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	261.994	-4.8	116	0.00
59	T	2-Hexanone	250.000	249.728	0.1	108	0.00
60	T	Dibromochloromethane	50.000	52.158	-4.3	111	0.00
61	T	1,2-Dibromoethane	50.000	50.826	-1.7	109	0.00
62	S	4-Bromofluorobenzene	50.000	50.857	-1.7	119	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	110	0.00
64	T	Tetrachloroethene	50.000	54.187	-8.4	119	0.00
65	PM	Chlorobenzene	50.000	52.495	-5.0	111	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	53.589	-7.2	111	0.00
67	C	Ethyl Benzene	50.000	54.505	-9.0#	115	0.00
68	T	m/p-Xylenes	100.000	108.664	-8.7	114	0.00
69	T	o-Xylene	50.000	53.647	-7.3	111	0.00
70	T	Styrene	50.000	53.018	-6.0	111	0.00
71	P	Bromoform	50.000	53.344	-6.7	109	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	108	0.00
73	T	Isopropylbenzene	50.000	56.769	-13.5	115	0.00
74	T	N-amyl acetate	50.000	53.201	-6.4	107	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	52.532	-5.1	107	0.00
76	T	1,2,3-Trichloropropane	50.000	47.990	4.0	93	0.00
77	T	Bromobenzene	50.000	53.683	-7.4	110	0.00
78	T	n-propylbenzene	50.000	56.362	-12.7	114	0.00
79	T	2-Chlorotoluene	50.000	54.410	-8.8	111	0.00
80	T	1,3,5-Trimethylbenzene	50.000	55.653	-11.3	113	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	52.870	-5.7	110	0.00
82	T	4-Chlorotoluene	50.000	54.611	-9.2	112	0.00
83	T	tert-Butylbenzene	50.000	56.276	-12.6	116	0.00
84	T	1,2,4-Trimethylbenzene	50.000	54.636	-9.3	112	0.00
85	T	sec-Butylbenzene	50.000	57.537	-15.1	118	0.00
86	T	p-Isopropyltoluene	50.000	56.500	-13.0	115	0.00
87	T	1,3-Dichlorobenzene	50.000	52.880	-5.8	110	0.00
88	T	1,4-Dichlorobenzene	50.000	52.453	-4.9	111	0.00
89	T	n-Butylbenzene	50.000	58.099	-16.2	119	0.00
90	T	Hexachloroethane	50.000	57.248	-14.5	118	0.00
91	T	1,2-Dichlorobenzene	50.000	53.301	-6.6	110	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	53.081	-6.2	105	0.00
93	T	1,2,4-Trichlorobenzene	50.000	55.373	-10.7	112	0.00
94	T	Hexachlorobutadiene	50.000	58.500	-17.0	121	0.00
95	T	Naphthalene	50.000	51.900	-3.8	104	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091725\
Data File : VX047601.D
Acq On : 17 Sep 2025 08:51
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Sep 18 01:54:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 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	54.873	-9.7	109	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: Alliance | Contract: AECO15

Lab Code: ACE | SDG No.: Q3095

Instrument ID: MSVOA_X | Calibration Date/Time: 09/17/2025 19:01

Lab File ID: VX047629.D | Init. Calib. Date(s): 09/16/2025 09/16/2025

Heated Purge: (Y/N) N | Init. Calib. Time(s): 09:23 12:01

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.518	0.446		-13.9	50
Chloromethane	0.680	0.611	0.1	-10.15	50
Vinyl Chloride	0.666	0.632		-5.11	50
Bromomethane	0.422	0.425		0.71	50
Chloroethane	0.445	0.429		-3.6	50
Trichlorofluoromethane	0.989	0.939		-5.06	50
1,1,2-Trichlorotrifluoroethane	0.578	0.553		-4.32	50
1,1-Dichloroethene	0.594	0.575		-3.2	50
Acetone	0.346	0.309		-10.69	50
Carbon Disulfide	1.626	1.466		-9.84	50
Methyl tert-butyl Ether	2.169	2.345		8.11	50
Methyl Acetate	0.770	1.014		31.69	50
Methylene Chloride	0.732	0.737		0.68	50
trans-1,2-Dichloroethene	0.640	0.643		0.47	50
1,1-Dichloroethane	1.263	1.313	0.1	3.96	50
Cyclohexane	1.052	0.996		-5.32	50
2-Butanone	0.432	0.483		11.81	50
Carbon Tetrachloride	0.532	0.507		-4.7	50
cis-1,2-Dichloroethene	0.783	0.815		4.09	50
Bromochloromethane	0.551	0.595		7.99	50
Chloroform	1.276	1.353		6.03	50
1,1,1-Trichloroethane	1.082	1.124		3.88	50
Methylcyclohexane	0.556	0.507		-8.81	50
Benzene	1.488	1.493		0.34	50
1,2-Dichloroethane	0.566	0.567		0.18	50
Trichloroethene	0.360	0.362		0.56	50
1,2-Dichloropropane	0.381	0.395		3.67	50
Bromodichloromethane	0.572	0.595		4.02	50
4-Methyl-2-Pentanone	0.477	0.561		17.61	50
Toluene	0.917	0.929		1.31	50
t-1,3-Dichloropropene	0.584	0.597		2.23	50
cis-1,3-Dichloropropene	0.624	0.638		2.24	50
1,1,2-Trichloroethane	0.354	0.377		6.5	50
2-Hexanone	0.343	0.392		14.29	50
Dibromochloromethane	0.407	0.435		6.88	50
1,2-Dibromoethane	0.360	0.394		9.44	50
Tetrachloroethene	0.326	0.317		-2.76	50
Chlorobenzene	1.136	1.148	0.3	1.06	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: Alliance
Contract: AECO15
Lab Code: ACE
SDG No.: Q3095
Instrument ID: MSVOA_X
Calibration Date/Time: 09/17/2025 19:01
Lab File ID: VX047629.D
Init. Calib. Date(s): 09/16/2025 09/16/2025
Heated Purge: (Y/N) N
Init. Calib. Time(s): 09:23 12:01
GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.960	1.965		0.25	50
m/p-Xylenes	0.729	0.740		1.51	50
o-Xylene	0.706	0.722		2.27	50
Styrene	1.236	1.271		2.83	50
Bromoform	0.293	0.309	0.1	5.46	50
Isopropylbenzene	3.801	3.902		2.66	50
1,1,2,2-Tetrachloroethane	1.150	1.278	0.3	11.13	50
1,3-Dichlorobenzene	1.739	1.777		2.18	50
1,4-Dichlorobenzene	1.785	1.804		1.06	50
1,2-Dichlorobenzene	1.657	1.748		5.49	50
1,2-Dibromo-3-Chloropropane	0.233	0.267		14.59	50
1,2,4-Trichlorobenzene	1.077	1.111		3.16	50
1,2,3-Trichlorobenzene	1.002	1.074		7.19	50
1,2-Dichloroethane-d4	0.796	0.816		2.51	50
Dibromofluoromethane	0.335	0.335		0	50
Toluene-d8	1.160	1.177		1.47	50
4-Bromofluorobenzene	0.440	0.445		1.14	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\VX091725\
Data File : VX047629.D
Acq On : 17 Sep 2025 19:01
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Sep 18 02:10:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.538	168	158528	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	292304	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	262366	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	123899	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	129399	51.280	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 102.560%			
35) Dibromofluoromethane	5.373	113	97816	49.897	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.800%			
50) Toluene-d8	8.635	98	343907	50.700	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 101.400%			
62) 4-Bromofluorobenzene	11.061	95	129935	50.473	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 100.940%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.172	85	70752	43.100	ug/l	98
3) Chloromethane	1.301	50	96907	44.917	ug/l	98
4) Vinyl Chloride	1.380	62	100136	47.414	ug/l	98
5) Bromomethane	1.618	94	67361	50.299	ug/l	100
6) Chloroethane	1.697	64	68085	48.234	ug/l	99
7) Trichlorofluoromethane	1.898	101	148866	47.473	ug/l	100
8) Diethyl Ether	2.136	74	66594	51.915	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.337	101	87720	47.840	ug/l	99
10) Methyl Iodide	2.459	142	140492	49.129	ug/l	99
11) Tert butyl alcohol	2.947	59	80583	286.736	ug/l	99
12) 1,1-Dichloroethene	2.325	96	91157	48.398	ug/l	96
13) Acrolein	2.239	56	90289	348.634	ug/l	99
14) Allyl chloride	2.666	41	191131	49.177	ug/l	97
15) Acrylonitrile	3.062	53	308964	296.803	ug/l	99
16) Acetone	2.373	43	244801	223.121	ug/l	99
17) Carbon Disulfide	2.520	76	232360	45.064	ug/l	98
18) Methyl Acetate	2.703	43	160691	65.810	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	371809	54.077	ug/l	100
20) Methylene Chloride	2.788	84	116836	50.308	ug/l	98
21) trans-1,2-Dichloroethene	3.093	96	102000	50.301	ug/l	96
22) Diisopropyl ether	3.757	45	400864	53.219	ug/l	96
23) Vinyl Acetate	3.715	43	1659429	275.264	ug/l	100
24) 1,1-Dichloroethane	3.611	63	208155	51.993	ug/l	99
25) 2-Butanone	4.544	43	383147	279.960	ug/l	98
26) 2,2-Dichloropropane	4.471	77	145013	43.574	ug/l	98
27) cis-1,2-Dichloroethene	4.483	96	129212	52.031	ug/l	99
28) Bromochloromethane	4.885	49	94251	53.925	ug/l	100
29) Tetrahydrofuran	4.995	42	246600	299.524	ug/l	100
30) Chloroform	5.086	83	214530	53.027	ug/l	99
31) Cyclohexane	5.464	56	157963	47.373	ug/l	100
32) 1,1,1-Trichloroethane	5.373	97	178123	51.907	ug/l	99
36) 1,1-Dichloropropene	5.684	75	133515	46.610	ug/l	98
37) Ethyl Acetate	4.702	43	165882	54.084	ug/l	99
38) Carbon Tetrachloride	5.666	117	148177	47.609	ug/l	97
39) Methylcyclohexane	7.367	83	148100	45.546	ug/l	99
40) Benzene	6.025	78	436357	50.154	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091725\
Data File : VX047629.D
Acq On : 17 Sep 2025 19:01
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Sep 18 02:10:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.904	41	88508	55.897	ug/l	98
42) 1,2-Dichloroethane	6.074	62	165630	50.034	ug/l	99
43) Isopropyl Acetate	6.324	43	274971	54.664	ug/l	99
44) Trichloroethene	7.110	130	105741	50.271	ug/l	96
45) 1,2-Dichloropropane	7.415	63	115545	51.865	ug/l	98
46) Dibromomethane	7.568	93	82775	51.058	ug/l	96
47) Bromodichloromethane	7.805	83	173783	51.947	ug/l	99
48) Methyl methacrylate	7.677	41	139209	55.559	ug/l	99
49) 1,4-Dioxane	7.647	88	34644	1368.143	ug/l	98
51) 4-Methyl-2-Pentanone	8.561	43	819310	293.767	ug/l	100
52) Toluene	8.702	92	271480	50.647	ug/l	98
53) t-1,3-Dichloropropene	8.964	75	174553	51.153	ug/l	98
54) cis-1,3-Dichloropropene	8.354	75	186493	51.132	ug/l	99
55) 1,1,2-Trichloroethane	9.134	97	110254	53.343	ug/l	98
56) Ethyl methacrylate	9.104	69	183656	56.580	ug/l	98
57) 1,3-Dichloropropane	9.293	76	189897	53.484	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.226	63	403925	259.768	ug/l	99
59) 2-Hexanone	9.415	43	573589	286.357	ug/l	99
60) Dibromochloromethane	9.506	129	127163	53.396	ug/l	98
61) 1,2-Dibromoethane	9.592	107	115052	54.651	ug/l	99
64) Tetrachloroethene	9.256	164	83148	48.615	ug/l	97
65) Chlorobenzene	10.061	112	301252	50.542	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.146	131	105903	51.489	ug/l	99
67) Ethyl Benzene	10.177	91	515487	50.124	ug/l	99
68) m/p-Xylenes	10.287	106	388133	101.396	ug/l	99
69) o-Xylene	10.628	106	189496	51.181	ug/l	100
70) Styrene	10.640	104	333465	51.401	ug/l	99
71) Bromoform	10.781	173	81195	52.869	ug/l	99
73) Isopropylbenzene	10.945	105	483439	51.323	ug/l	100
74) N-amyl acetate	10.829	43	241658	56.259	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.195	83	158402	55.582	ug/l	99
76) 1,2,3-Trichloropropane	11.226	75	124220m	49.518	ug/l	
77) Bromobenzene	11.183	156	119923	51.691	ug/l	99
78) n-propylbenzene	11.287	91	563896	50.641	ug/l	99
79) 2-Chlorotoluene	11.347	91	348974	51.169	ug/l	99
80) 1,3,5-Trimethylbenzene	11.433	105	399966	51.682	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.000	75	51012	51.857	ug/l	99
82) 4-Chlorotoluene	11.439	91	412649	51.230	ug/l	100
83) tert-Butylbenzene	11.695	119	401787	50.716	ug/l	99
84) 1,2,4-Trimethylbenzene	11.732	105	407143	51.891	ug/l	99
85) sec-Butylbenzene	11.872	105	483624	51.394	ug/l	100
86) p-Isopropyltoluene	11.988	119	399889	50.196	ug/l	99
87) 1,3-Dichlorobenzene	11.951	146	220186	51.097	ug/l	99
88) 1,4-Dichlorobenzene	12.024	146	223463	50.527	ug/l	100
89) n-Butylbenzene	12.317	91	371883	50.449	ug/l	99
90) Hexachloroethane	12.524	117	71248	50.939	ug/l	99
91) 1,2-Dichlorobenzene	12.317	146	216591	52.758	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.920	75	33107	57.378	ug/l	98
93) 1,2,4-Trichlorobenzene	13.567	180	137625	51.581	ug/l	99
94) Hexachlorobutadiene	13.707	225	45399	50.094	ug/l	98
95) Naphthalene	13.756	128	456177	56.148	ug/l	100
96) 1,2,3-Trichlorobenzene	13.938	180	133075	53.618	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091725\
Data File : VX047629.D
Acq On : 17 Sep 2025 19:01
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Sep 18 02:10:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

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

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

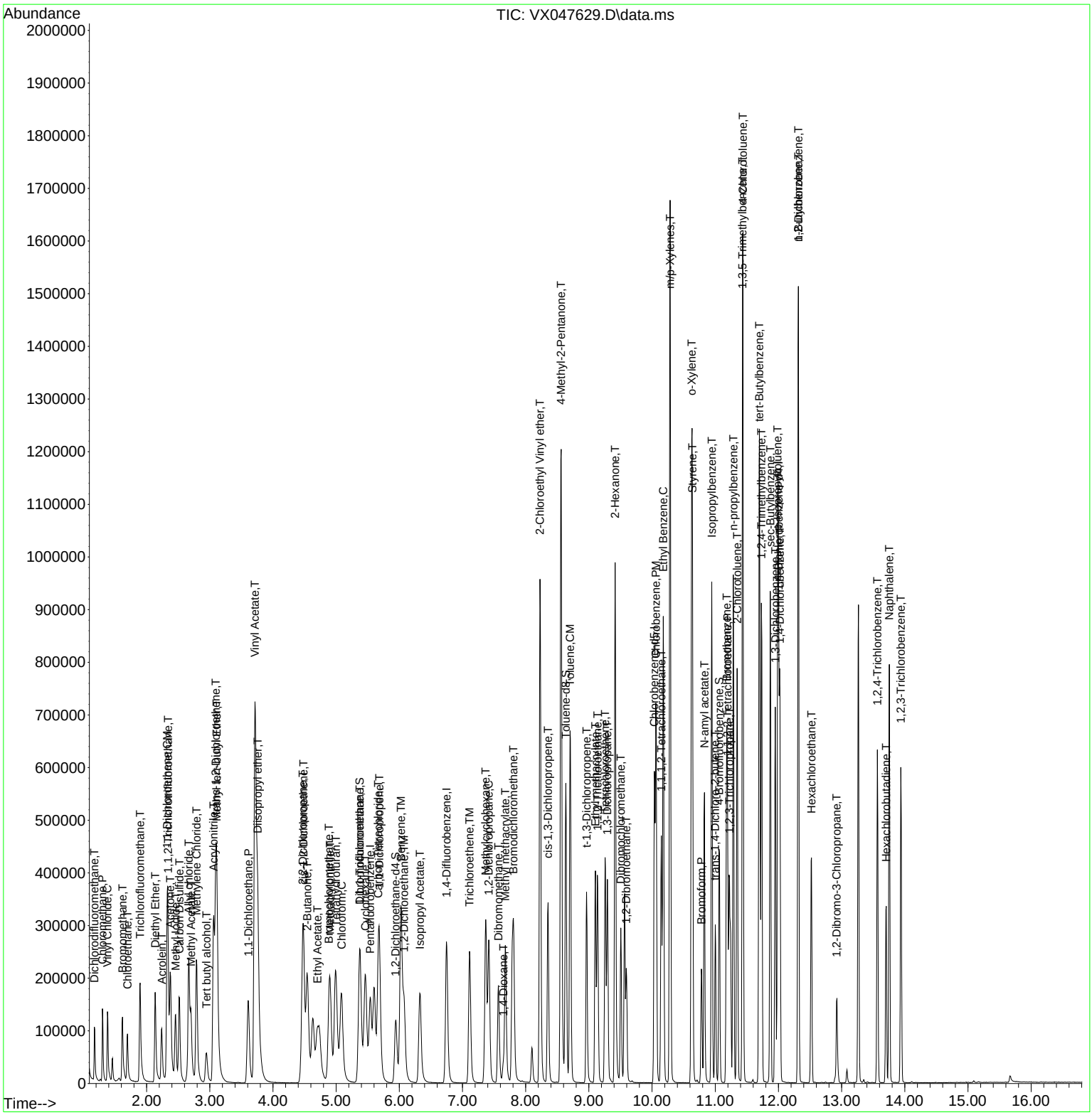
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091725\
Data File : VX047629.D
Acq On : 17 Sep 2025 19:01
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 30 Sample Multiplier: 1

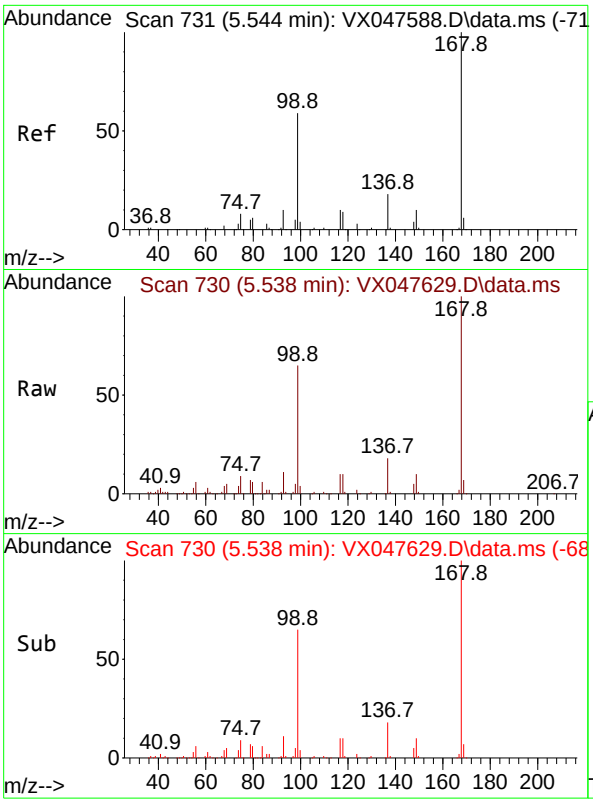
Quant Time: Sep 18 02:10:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

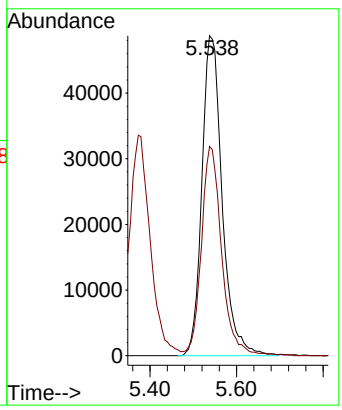




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047629.D
Acq: 17 Sep 2025 19:01

Tgt Ion:168 Resp: 15852

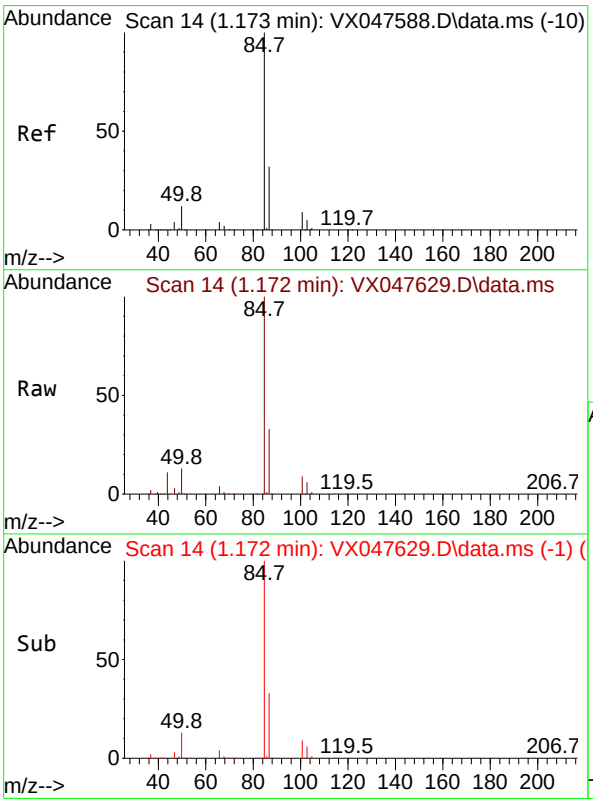
Ion	Ratio	Lower	Upper
168	100		
99	65.2	48.8	73.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

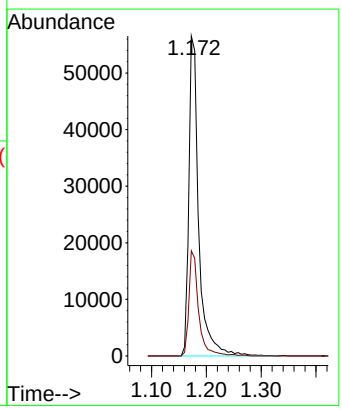
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

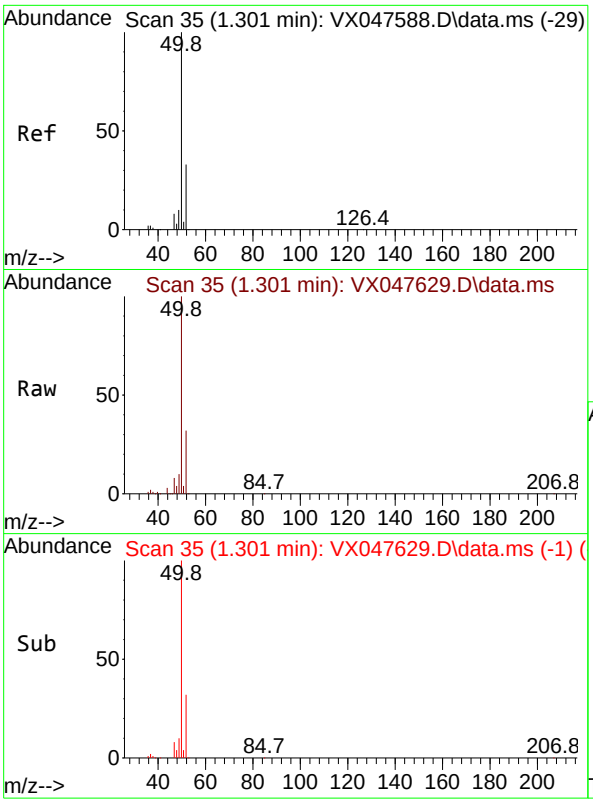


#2
Dichlorodifluoromethane
Concen: 43.100 ug/l
RT: 1.172 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047629.D
Acq: 17 Sep 2025 19:01

Tgt Ion: 85 Resp: 70752

Ion	Ratio	Lower	Upper
85	100		
87	32.9	15.8	47.3

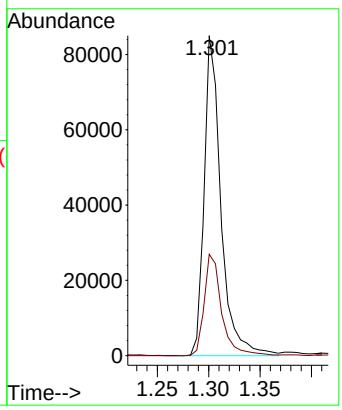




#3
Chloromethane
Concen: 44.917 ug/l
RT: 1.301 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047629.D
Acq: 17 Sep 2025 19:01

Tgt Ion: 50 Resp: 9690

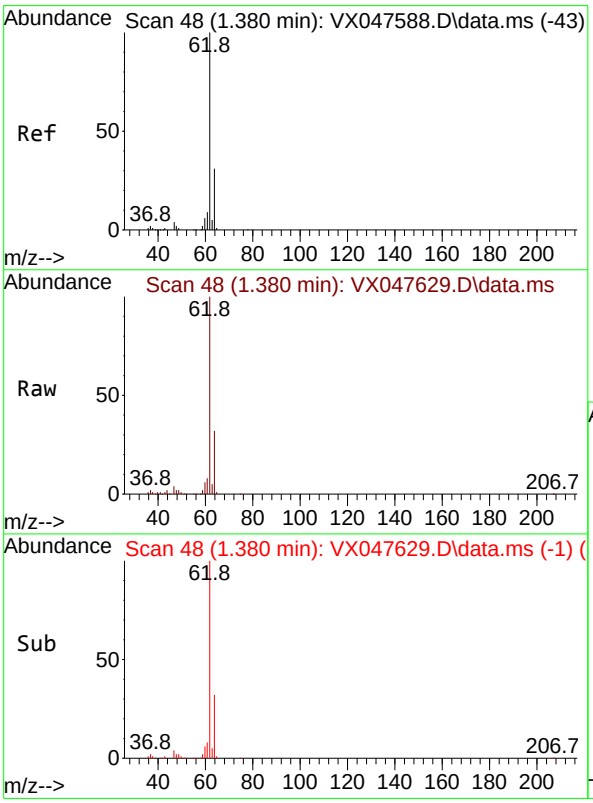
Ion	Ratio	Lower	Upper
50	100		
52	31.7	26.1	39.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

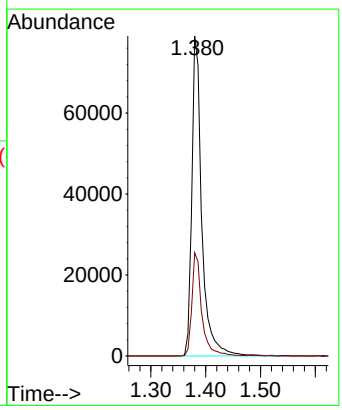
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

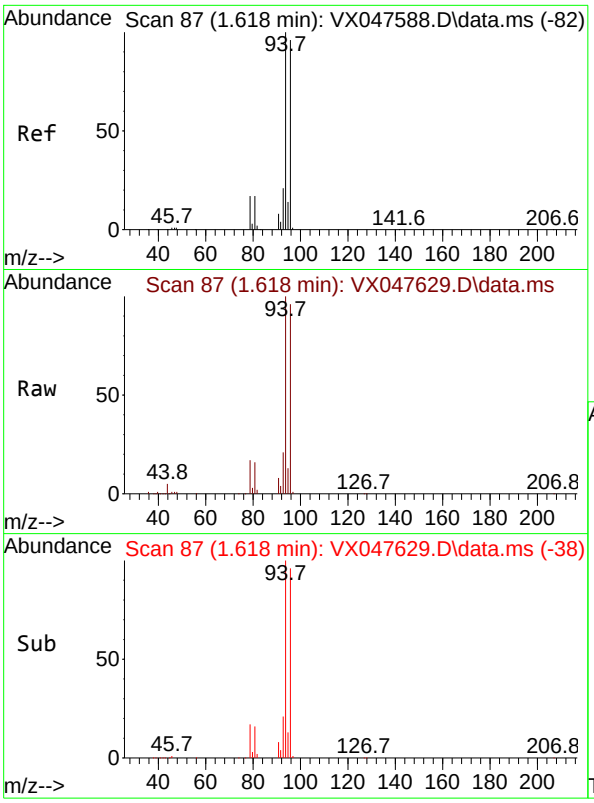


#4
Vinyl Chloride
Concen: 47.414 ug/l
RT: 1.380 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX047629.D
Acq: 17 Sep 2025 19:01

Tgt Ion: 62 Resp: 100136

Ion	Ratio	Lower	Upper
62	100		
64	32.2	24.9	37.3

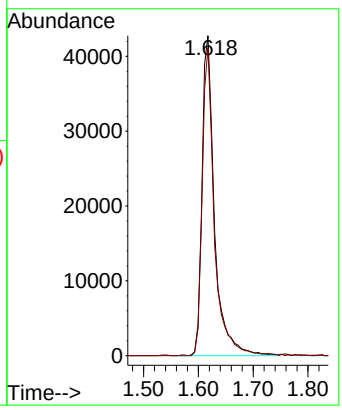




#5
Bromomethane
Concen: 50.299 ug/l
RT: 1.618 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX047629.D
Acq: 17 Sep 2025 19:01

Tgt Ion: 94 Resp: 6736

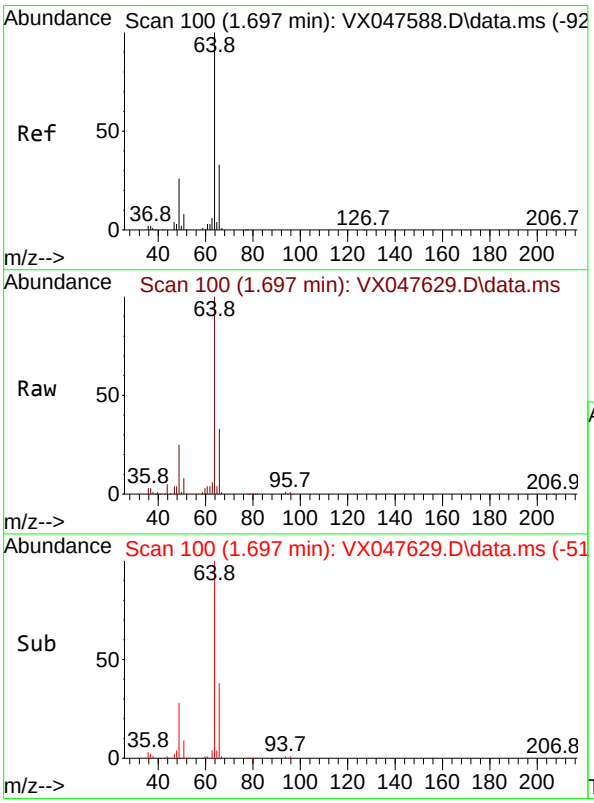
Ion	Ratio	Lower	Upper
94	100		
96	96.3	76.6	115.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

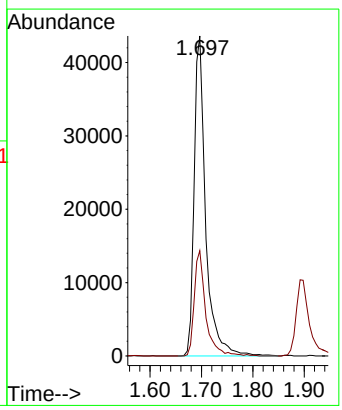
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

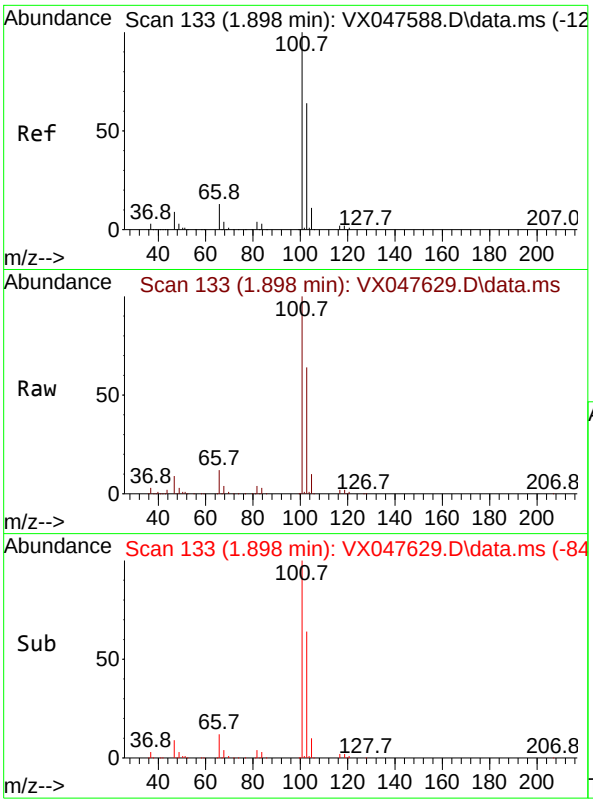


#6
Chloroethane
Concen: 48.234 ug/l
RT: 1.697 min Scan# 100
Delta R.T. -0.000 min
Lab File: VX047629.D
Acq: 17 Sep 2025 19:01

Tgt Ion: 64 Resp: 68085

Ion	Ratio	Lower	Upper
64	100		
66	32.9	26.1	39.1

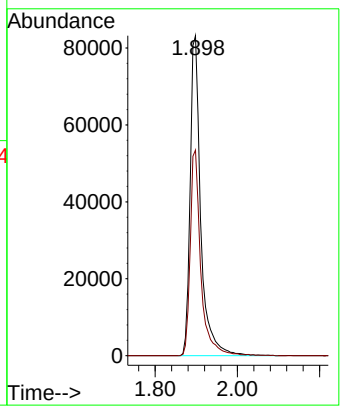




#7
Trichlorofluoromethane
Concen: 47.473 ug/l
RT: 1.898 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047629.D
Acq: 17 Sep 2025 19:01

Tgt Ion:101 Resp: 14886

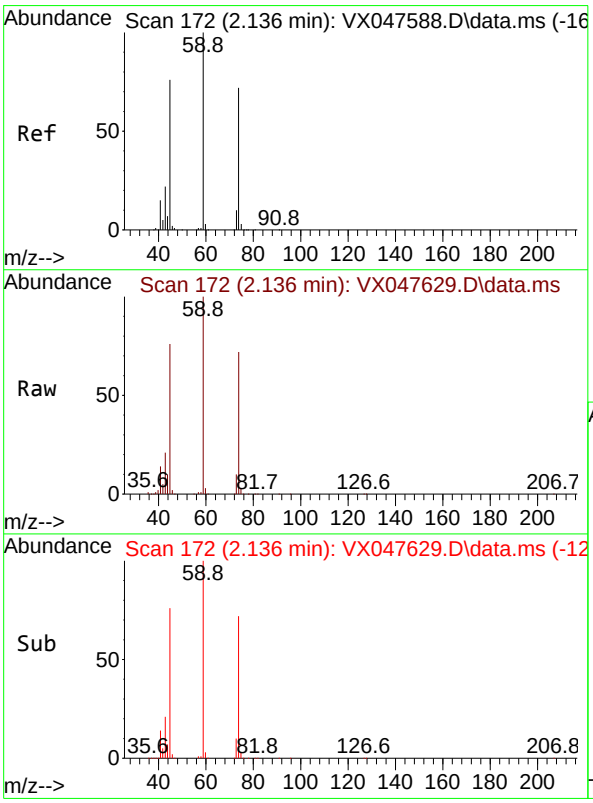
Ion	Ratio	Lower	Upper
101	100		
103	64.3	51.4	77.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

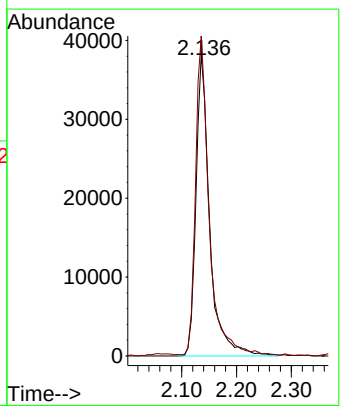
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

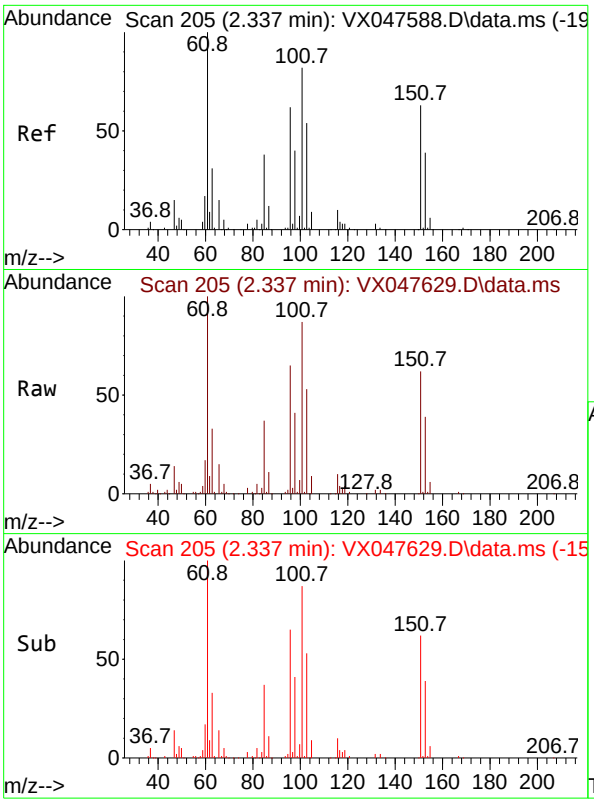


#8
Diethyl Ether
Concen: 51.915 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX047629.D
Acq: 17 Sep 2025 19:01

Tgt Ion: 74 Resp: 66594

Ion	Ratio	Lower	Upper
74	100		
45	104.8	52.3	156.8





#9
1,1,2-Trichlorotrifluoroethane
Concen: 47.840 ug/l
RT: 2.337 min Scan# 2(
Delta R.T. -0.000 min
Lab File: VX047629.D
Acq: 17 Sep 2025 19:01

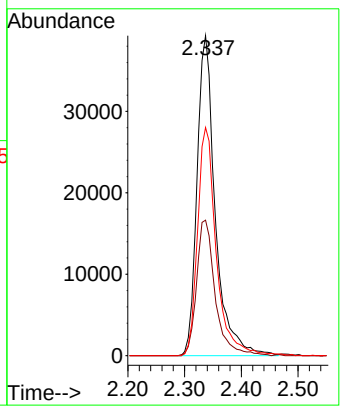
Tgt Ion:101 Resp: 8772(

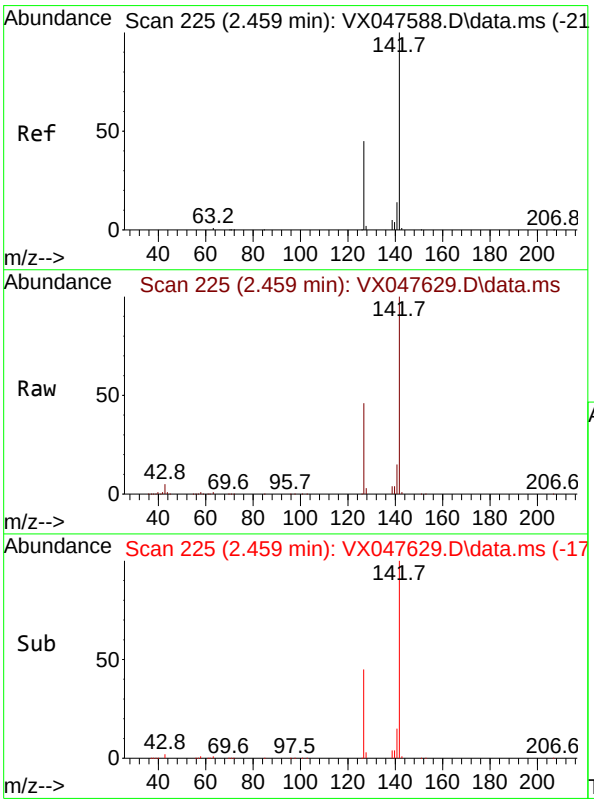
Ion	Ratio	Lower	Upper
101	100		
85	43.4	35.5	53.3
151	73.5	59.4	89.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

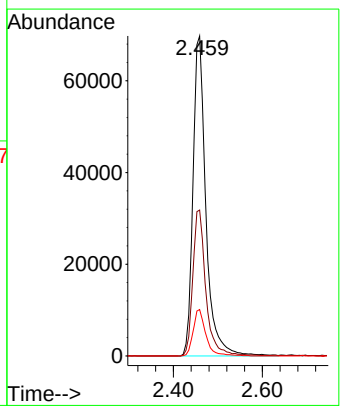


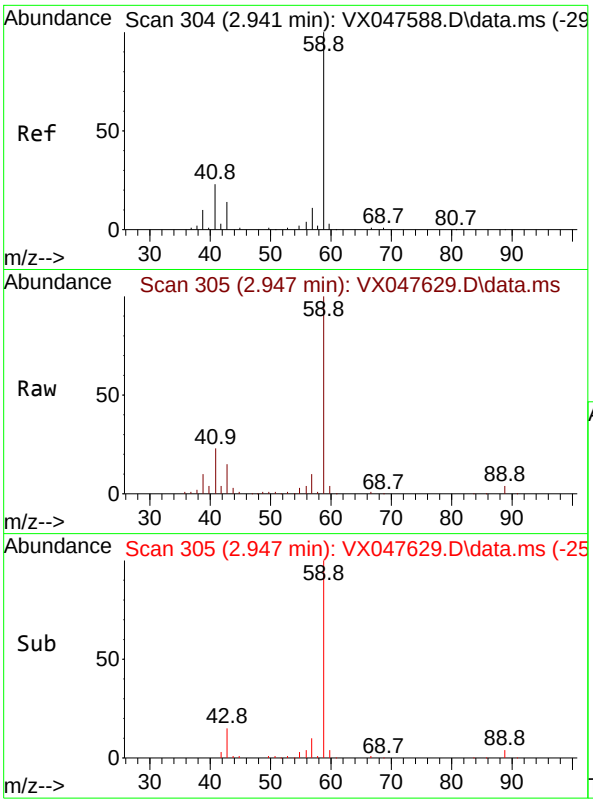


#10
Methyl Iodide
Concen: 49.129 ug/l
RT: 2.459 min Scan# 225
Delta R.T. -0.000 min
Lab File: VX047629.D
Acq: 17 Sep 2025 19:01

Tgt Ion:142 Resp: 140492

Ion	Ratio	Lower	Upper
142	100		
127	46.0	37.2	55.8
141	14.3	11.4	17.0

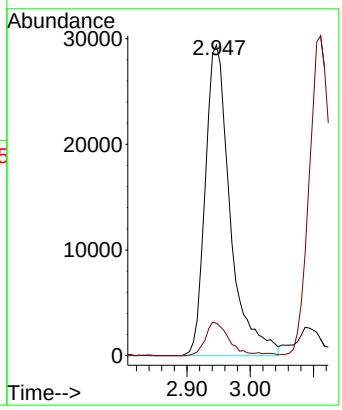




#11
Tert butyl alcohol
Concen: 286.736 ug/l
RT: 2.947 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX047629.D
Acq: 17 Sep 2025 19:01

Tgt Ion: 59 Resp: 8058

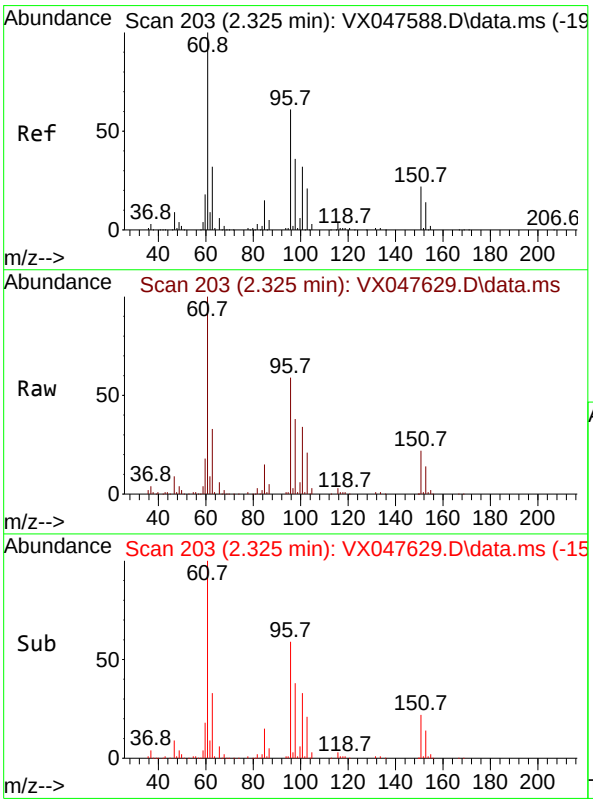
Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.3	12.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

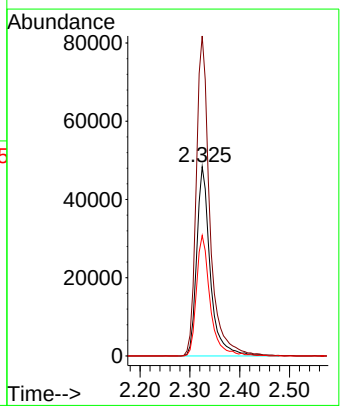
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

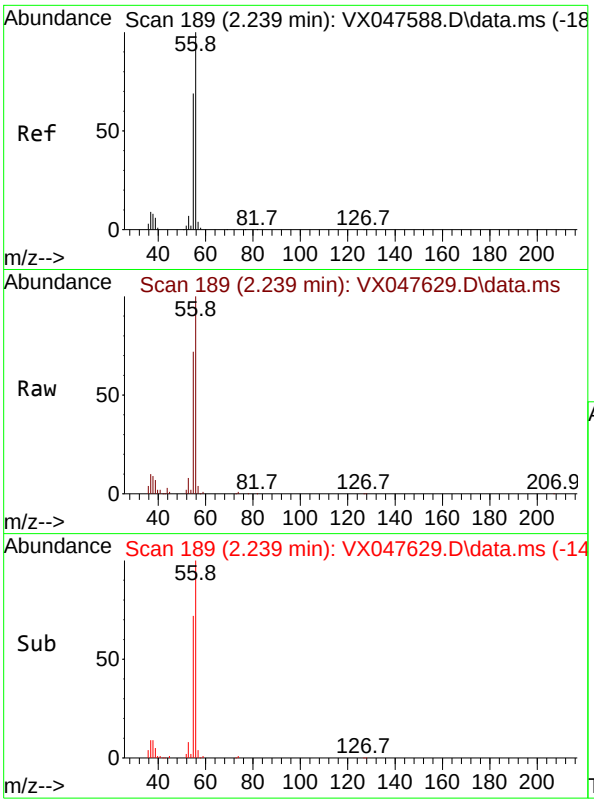


#12
1,1-Dichloroethene
Concen: 48.398 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX047629.D
Acq: 17 Sep 2025 19:01

Tgt Ion: 96 Resp: 91157

Ion	Ratio	Lower	Upper
96	100		
61	169.1	131.0	196.6
98	63.7	47.7	71.5

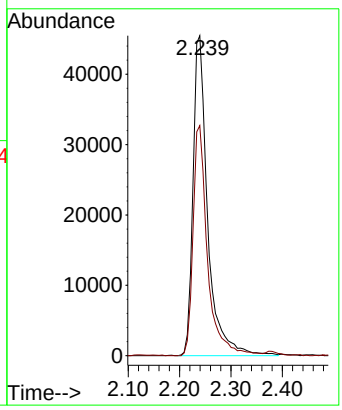




#13
Acrolein
Concen: 348.634 ug/l
RT: 2.239 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047629.D
Acq: 17 Sep 2025 19:01

Tgt Ion: 56 Resp: 9028

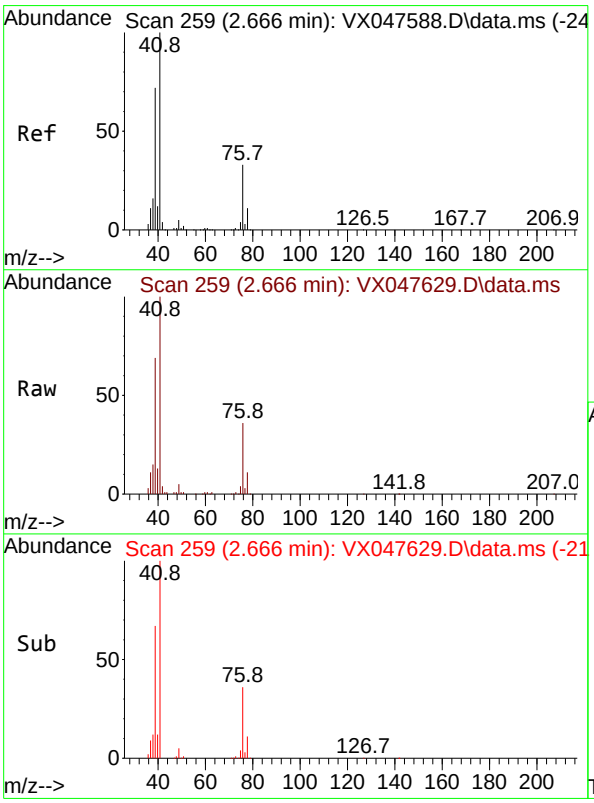
Ion	Ratio	Lower	Upper
56	100		
55	71.1	57.2	85.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

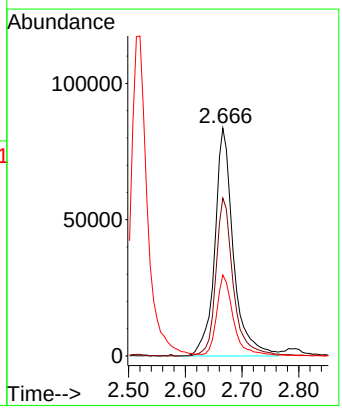
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

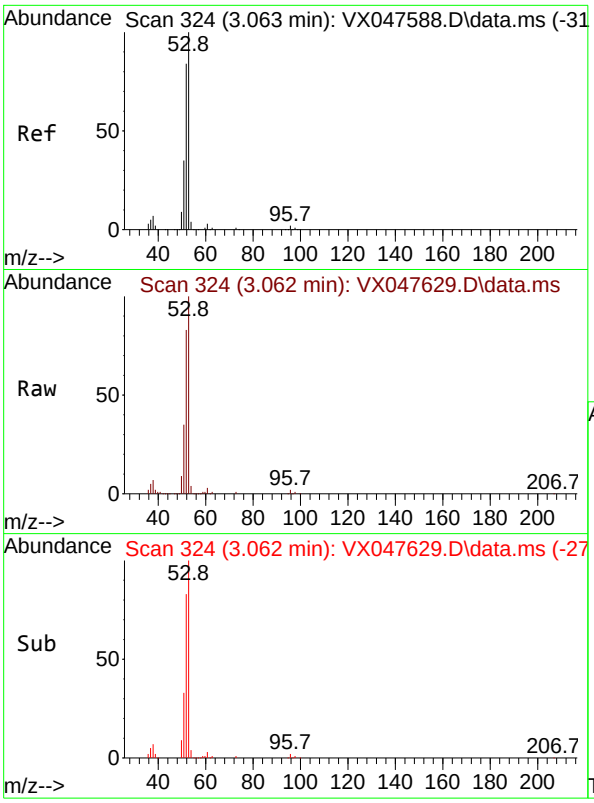


#14
Allyl chloride
Concen: 49.177 ug/l
RT: 2.666 min Scan# 259
Delta R.T. -0.000 min
Lab File: VX047629.D
Acq: 17 Sep 2025 19:01

Tgt Ion: 41 Resp: 191131

Ion	Ratio	Lower	Upper
41	100		
39	65.4	54.7	82.1
76	31.3	25.7	38.5

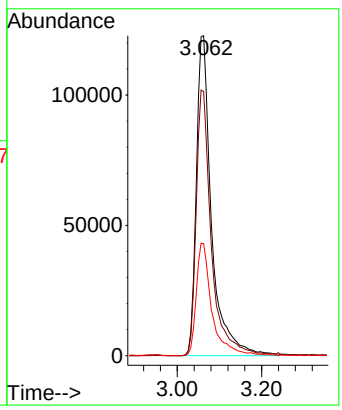




#15
Acrylonitrile
Concen: 296.803 ug/l
RT: 3.062 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047629.D
Acq: 17 Sep 2025 19:01

Tgt Ion: 53 Resp: 30896

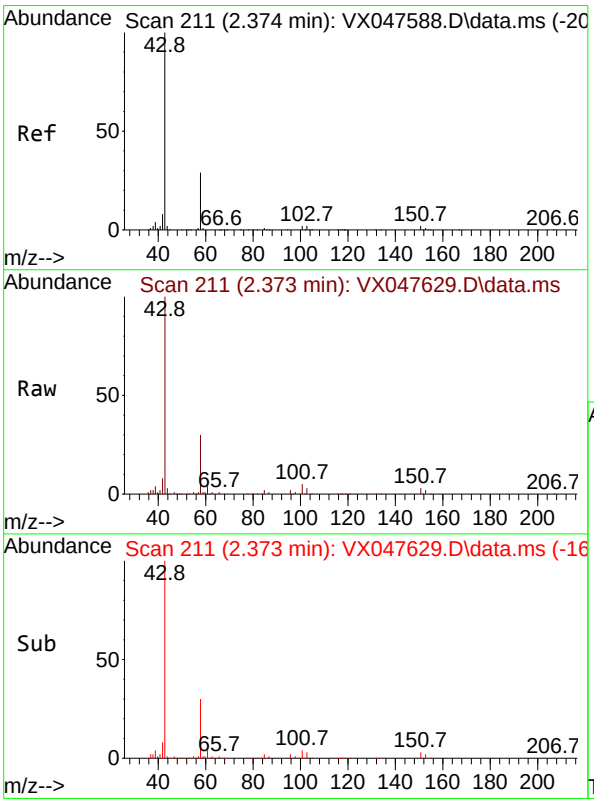
Ion	Ratio	Lower	Upper
53	100		
52	82.6	66.4	99.6
51	36.5	29.5	44.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

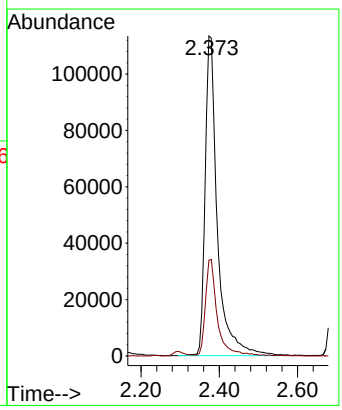
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

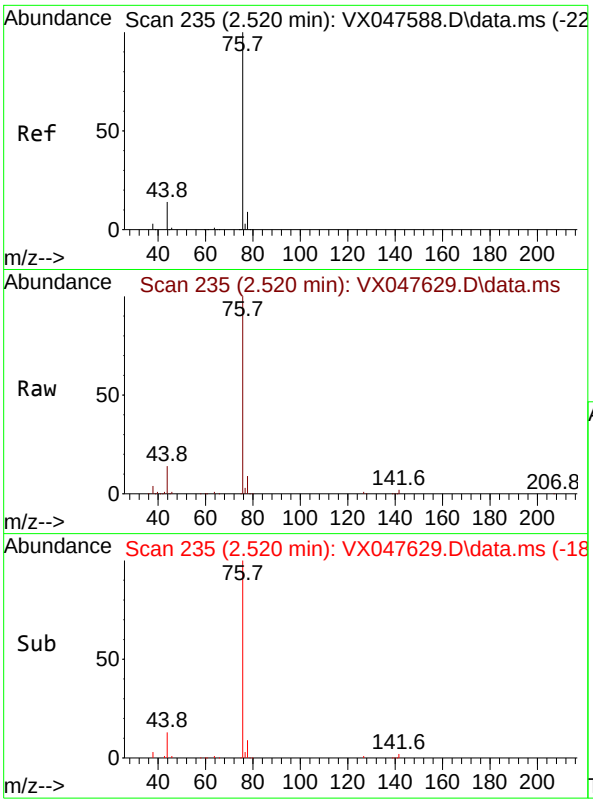


#16
Acetone
Concen: 223.121 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX047629.D
Acq: 17 Sep 2025 19:01

Tgt Ion: 43 Resp: 244801

Ion	Ratio	Lower	Upper
43	100		
58	29.8	23.4	35.0

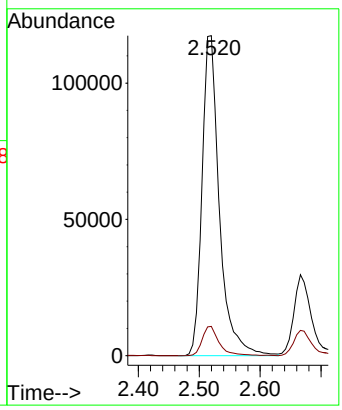




#17
Carbon Disulfide
Concen: 45.064 ug/l
RT: 2.520 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047629.D
Acq: 17 Sep 2025 19:01

Tgt Ion: 76 Resp: 23236

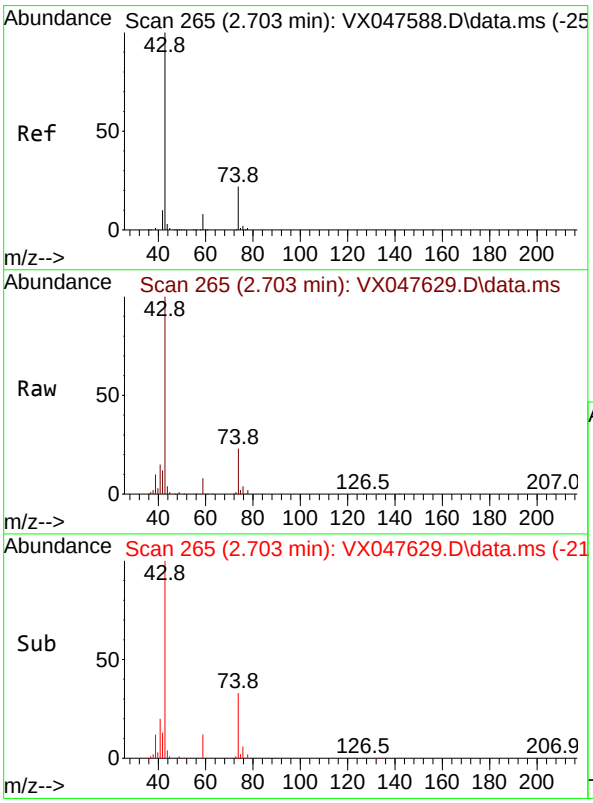
Ion	Ratio	Lower	Upper
76	100		
78	9.3	6.8	10.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

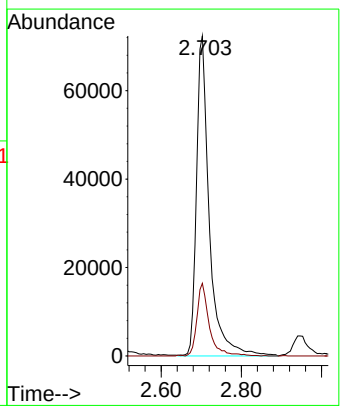
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

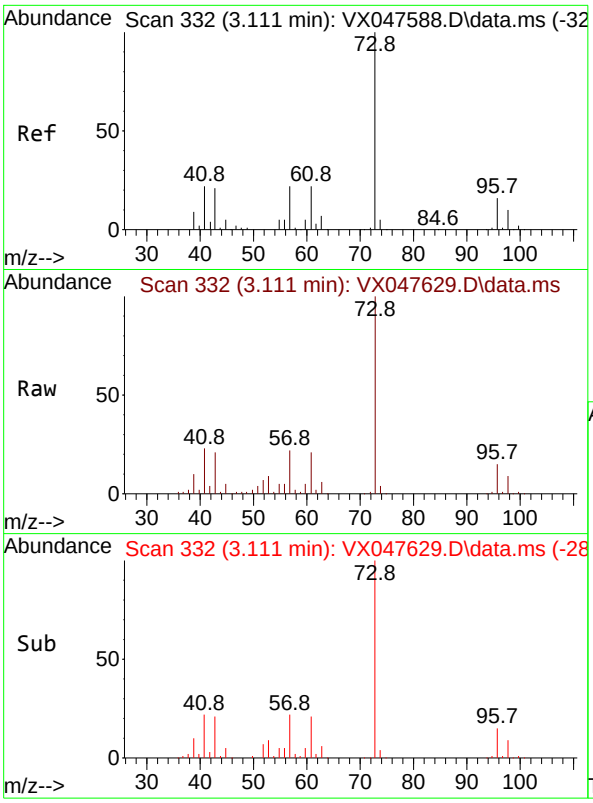


#18
Methyl Acetate
Concen: 65.810 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX047629.D
Acq: 17 Sep 2025 19:01

Tgt Ion: 43 Resp: 160691

Ion	Ratio	Lower	Upper
43	100		
74	21.9	17.4	26.2

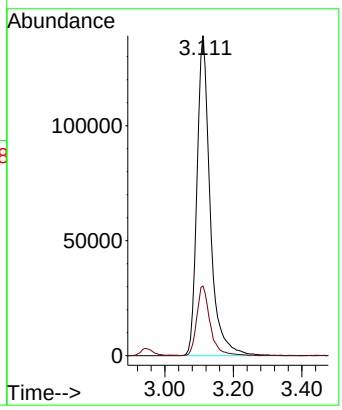




#19
Methyl tert-butyl Ether
Concen: 54.077 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047629.D
Acq: 17 Sep 2025 19:01

Tgt Ion: 73 Resp: 37180

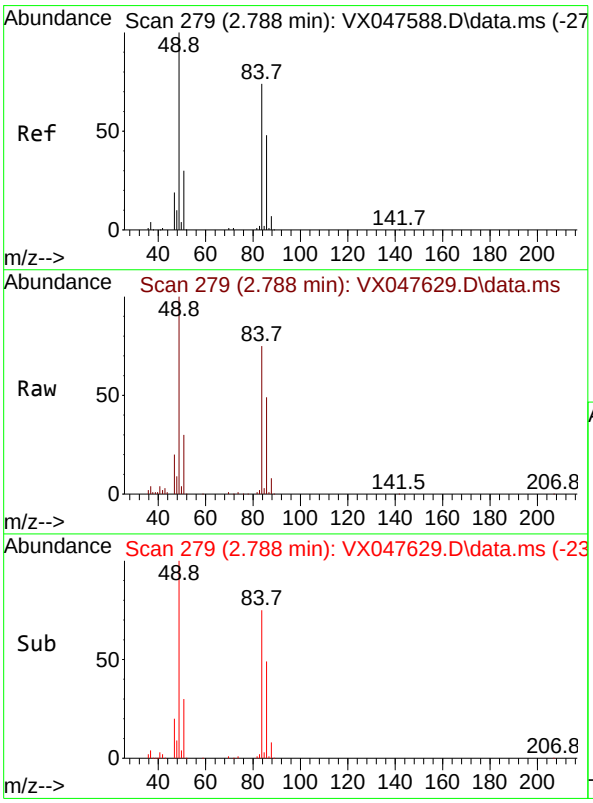
Ion	Ratio	Lower	Upper
73	100		
57	21.7	17.4	26.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

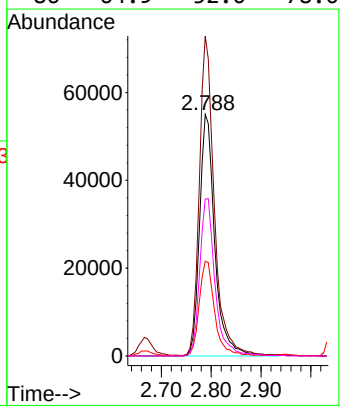
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

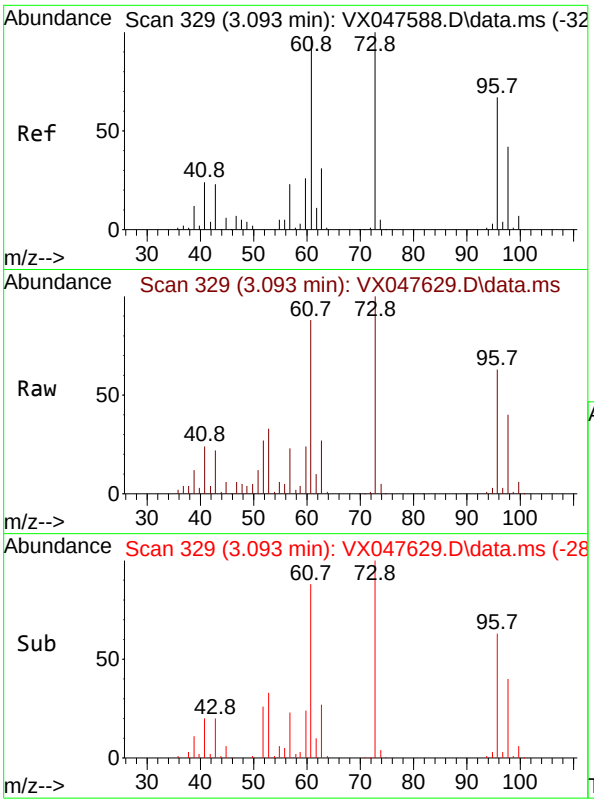


#20
Methylene Chloride
Concen: 50.308 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX047629.D
Acq: 17 Sep 2025 19:01

Tgt Ion: 84 Resp: 116836

Ion	Ratio	Lower	Upper
84	100		
49	132.2	108.6	162.8
51	39.2	32.6	48.8
86	64.9	52.0	78.0





#21
trans-1,2-Dichloroethene
Concen: 50.301 ug/l
RT: 3.093 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047629.D
Acq: 17 Sep 2025 19:01

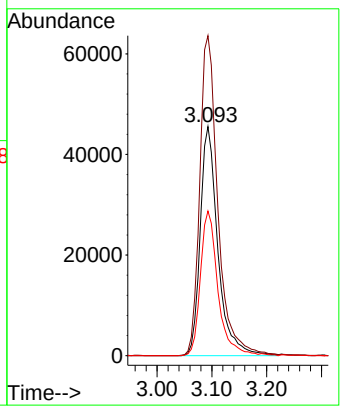
Tgt Ion: 96 Resp: 10200

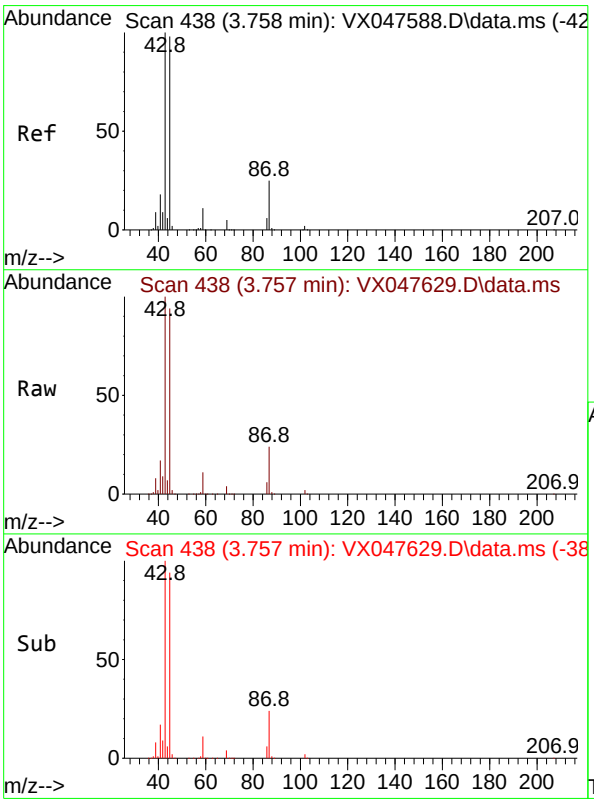
Ion	Ratio	Lower	Upper
96	100		
61	139.7	116.2	174.2
98	63.1	49.3	73.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

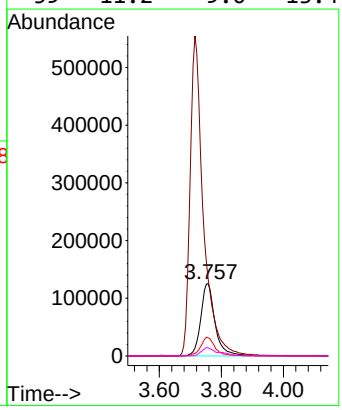


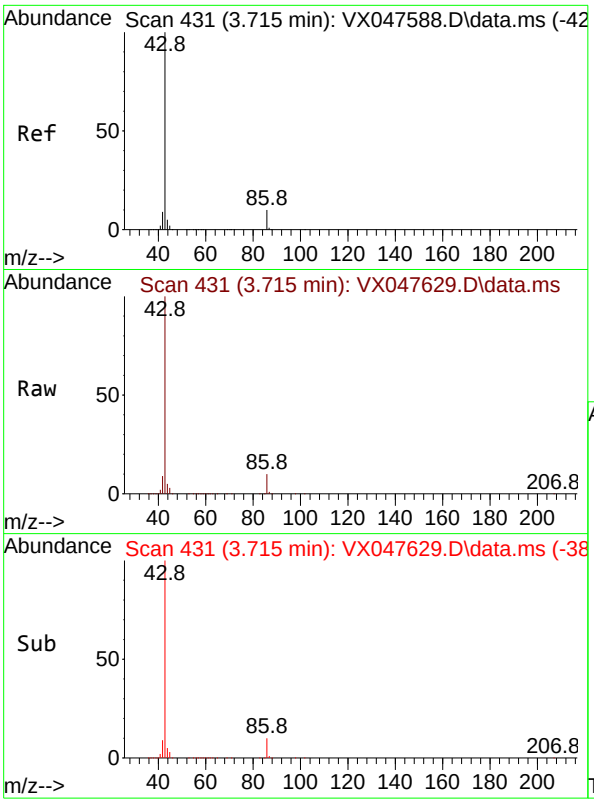


#22
Diisopropyl ether
Concen: 53.219 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.000 min
Lab File: VX047629.D
Acq: 17 Sep 2025 19:01

Tgt Ion: 45 Resp: 400864

Ion	Ratio	Lower	Upper
45	100		
43	106.4	81.0	121.4
87	25.0	20.3	30.5
59	11.2	9.0	13.4

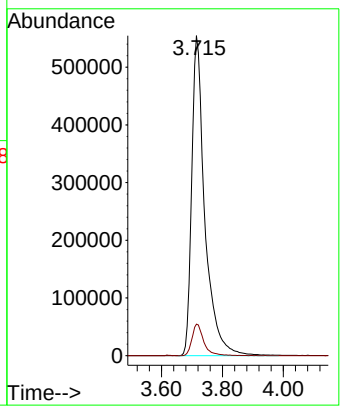




#23
Vinyl Acetate
Concen: 275.264 ug/l
RT: 3.715 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX047629.D
Acq: 17 Sep 2025 19:01

Tgt Ion: 43 Resp: 165942

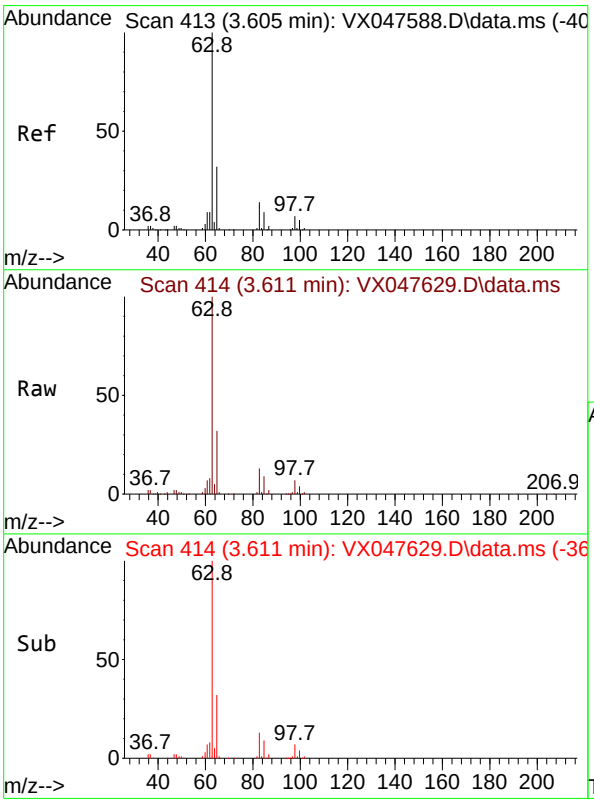
Ion	Ratio	Lower	Upper
43	100		
86	9.9	7.8	11.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

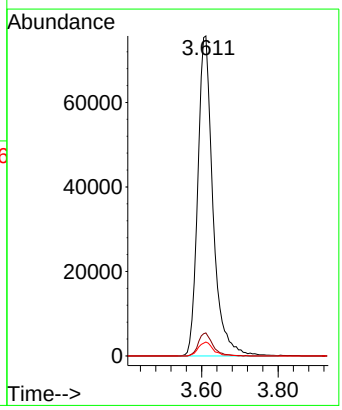
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

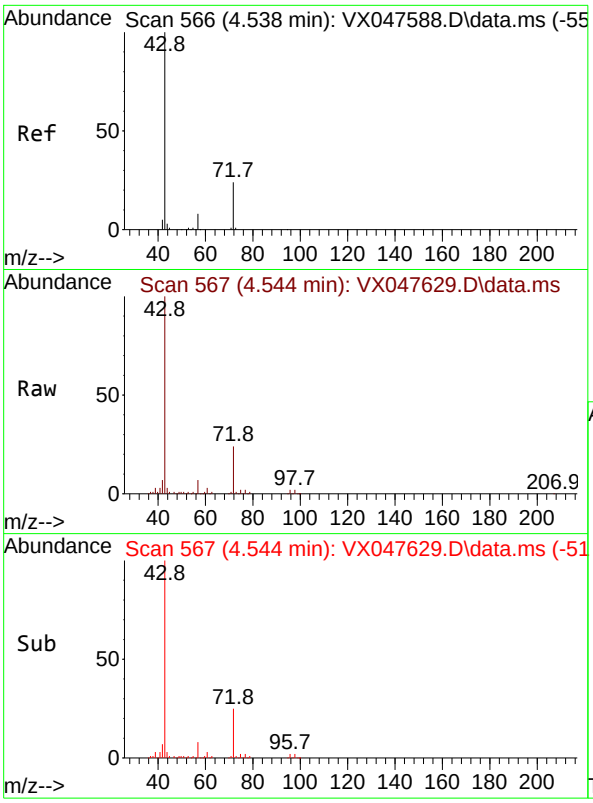


#24
1,1-Dichloroethane
Concen: 51.993 ug/l
RT: 3.611 min Scan# 414
Delta R.T. 0.006 min
Lab File: VX047629.D
Acq: 17 Sep 2025 19:01

Tgt Ion: 63 Resp: 208155

Ion	Ratio	Lower	Upper
63	100		
98	7.2	3.8	11.2
100	4.3	2.3	6.9





#25
2-Butanone
Concen: 279.960 ug/l
RT: 4.544 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX047629.D
Acq: 17 Sep 2025 19:01

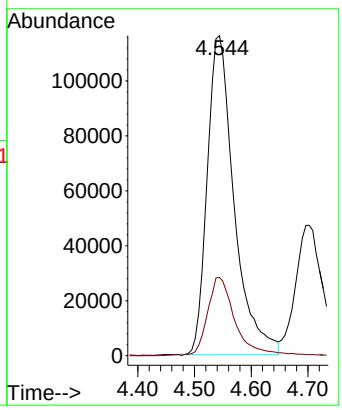
Tgt Ion: 43 Resp: 38314

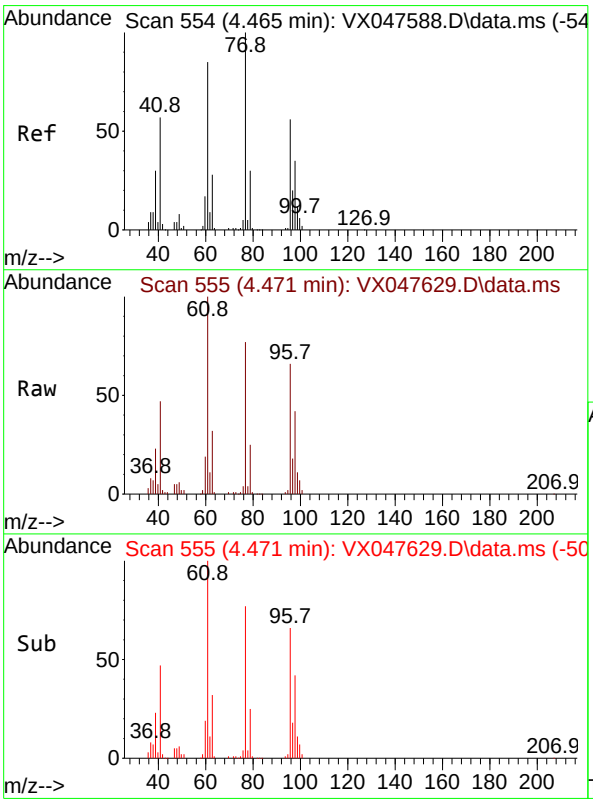
Ion	Ratio	Lower	Upper
43	100		
72	23.9	20.1	30.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

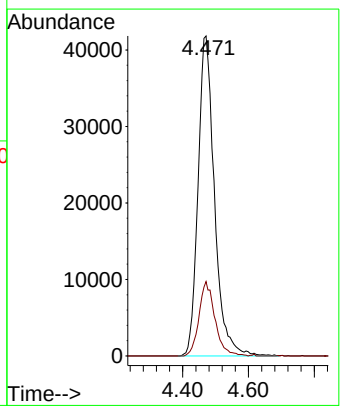


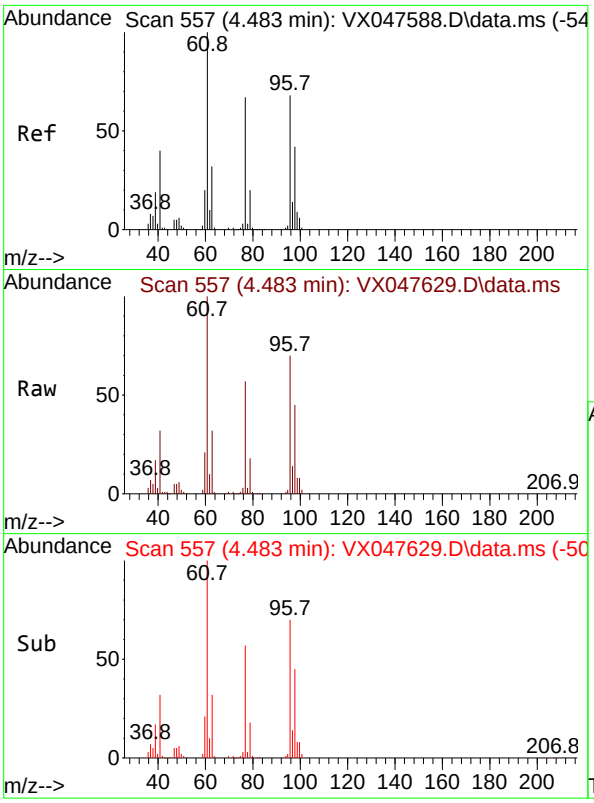


#26
2,2-Dichloropropane
Concen: 43.574 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX047629.D
Acq: 17 Sep 2025 19:01

Tgt Ion: 77 Resp: 145013

Ion	Ratio	Lower	Upper
77	100		
97	22.6	10.9	32.7

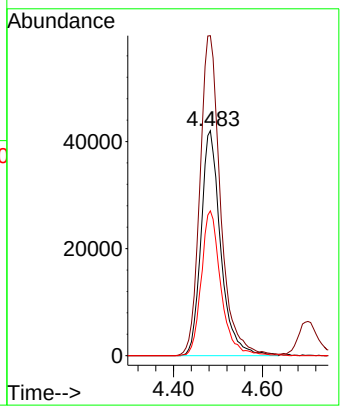




#27
cis-1,2-Dichloroethene
Concen: 52.031 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX047629.D
Acq: 17 Sep 2025 19:01

Tgt Ion: 96 Resp: 12921

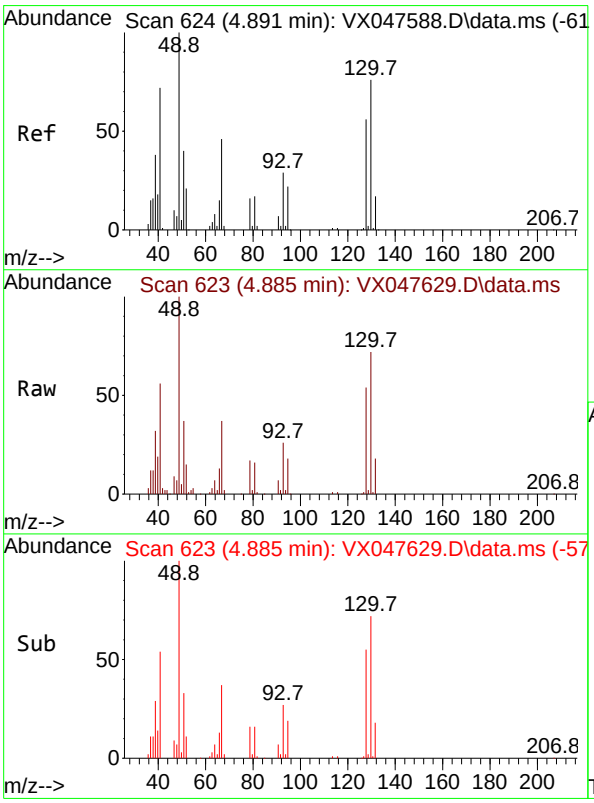
Ion	Ratio	Lower	Upper
96	100		
61	149.3	0.0	303.2
98	64.4	0.0	127.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

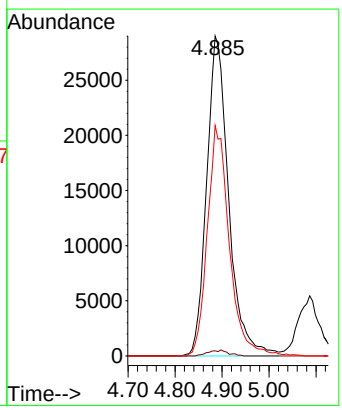
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

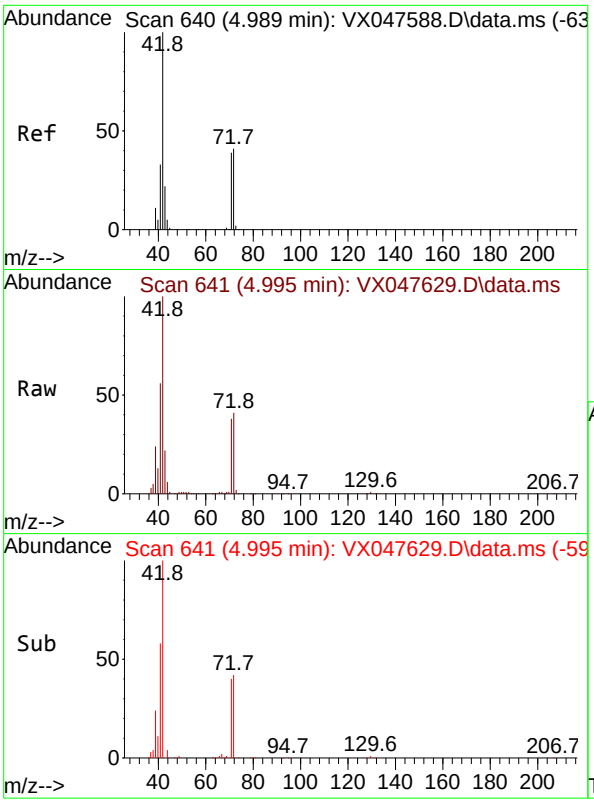


#28
Bromochloromethane
Concen: 53.925 ug/l
RT: 4.885 min Scan# 623
Delta R.T. -0.006 min
Lab File: VX047629.D
Acq: 17 Sep 2025 19:01

Tgt Ion: 49 Resp: 94251

Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.2
130	71.9	57.8	86.8





#29
Tetrahydrofuran
Concen: 299.524 ug/l
RT: 4.995 min Scan# 64
Delta R.T. 0.006 min
Lab File: VX047629.D
Acq: 17 Sep 2025 19:01

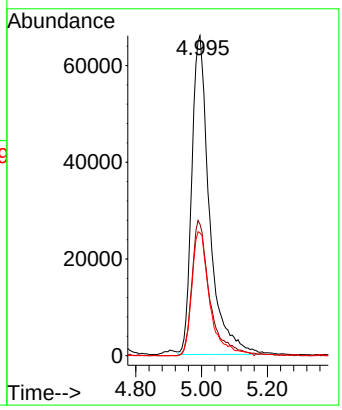
Tgt Ion: 42 Resp: 24660

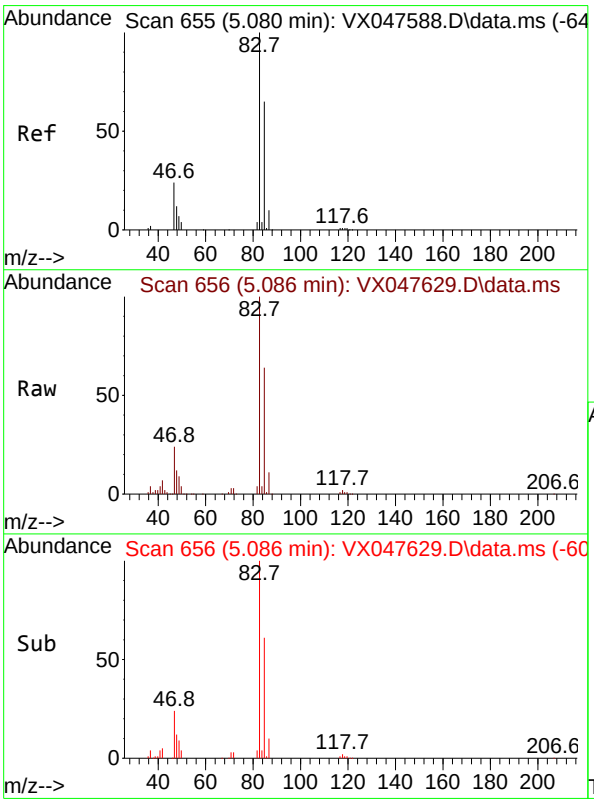
Ion	Ratio	Lower	Upper
42	100		
72	42.7	34.2	51.2
71	39.3	31.9	47.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

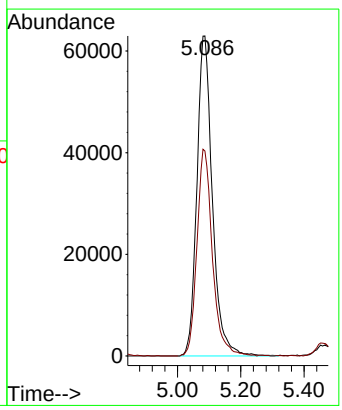


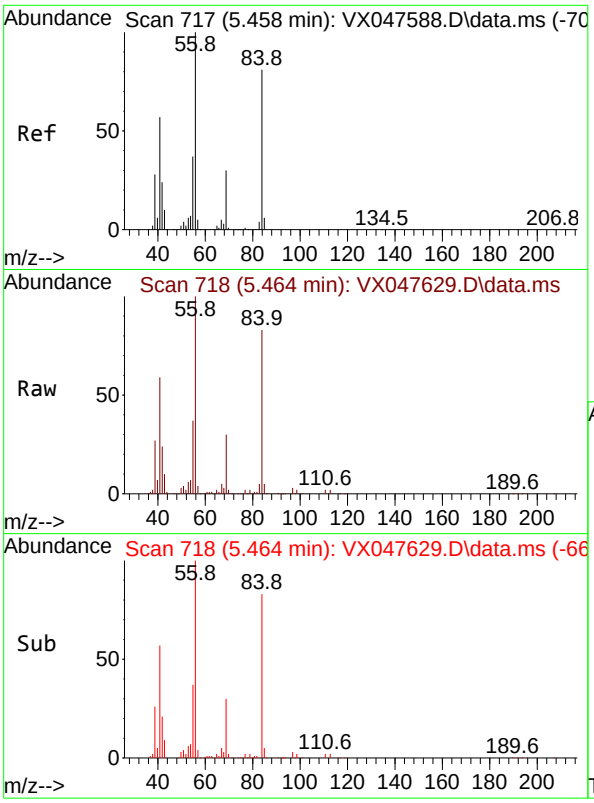


#30
Chloroform
Concen: 53.027 ug/l
RT: 5.086 min Scan# 656
Delta R.T. 0.006 min
Lab File: VX047629.D
Acq: 17 Sep 2025 19:01

Tgt Ion: 83 Resp: 214530

Ion	Ratio	Lower	Upper
83	100		
85	64.0	51.8	77.6

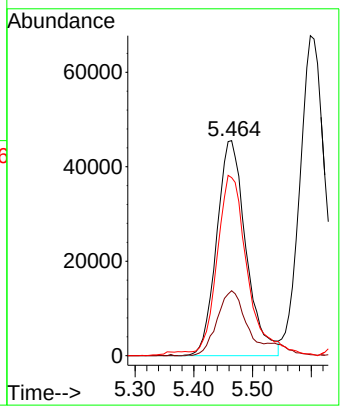




#31
Cyclohexane
Concen: 47.373 ug/l
RT: 5.464 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047629.D
Acq: 17 Sep 2025 19:01

Tgt Ion: 56 Resp: 15796

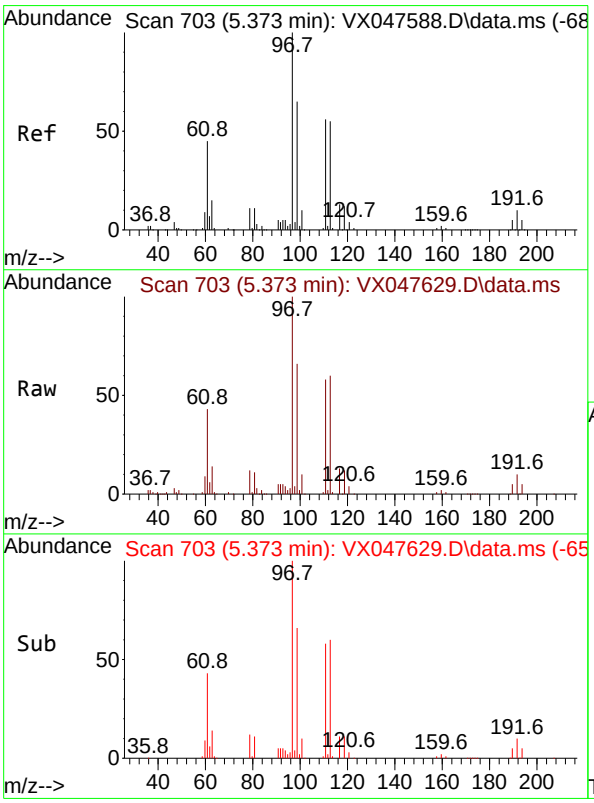
Ion	Ratio	Lower	Upper
56	100		
69	29.6	23.8	35.8
84	80.9	64.6	97.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

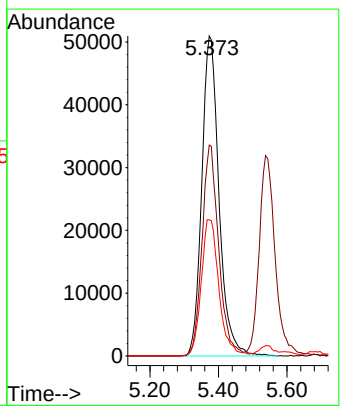
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

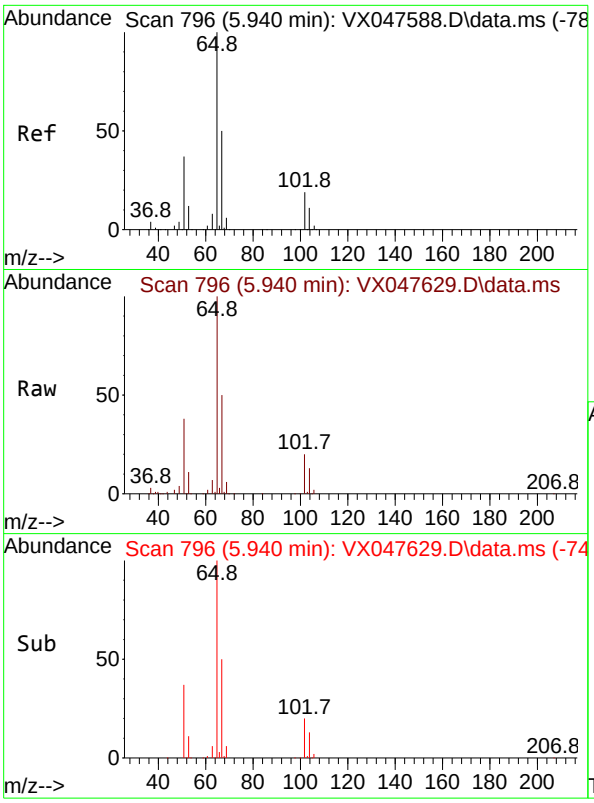


#32
1,1,1-Trichloroethane
Concen: 51.907 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX047629.D
Acq: 17 Sep 2025 19:01

Tgt Ion: 97 Resp: 178123

Ion	Ratio	Lower	Upper
97	100		
99	63.7	50.6	76.0
61	43.7	35.8	53.8

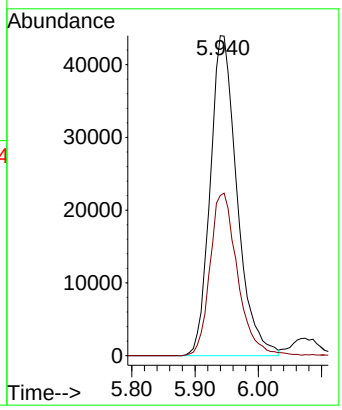




#33
1,2-Dichloroethane-d4
Concen: 51.280 ug/l
RT: 5.940 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047629.D
Acq: 17 Sep 2025 19:01

Tgt Ion: 65 Resp: 12939

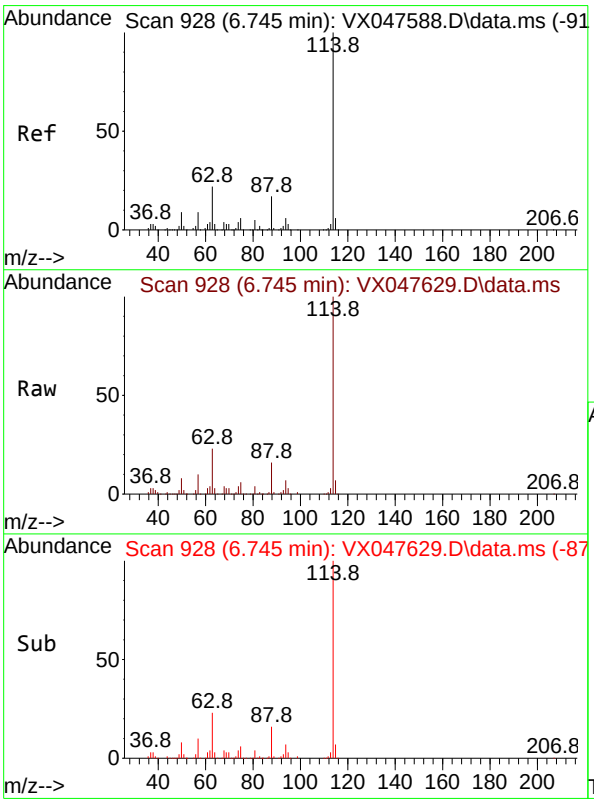
Ion	Ratio	Lower	Upper
65	100		
67	52.1	0.0	103.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

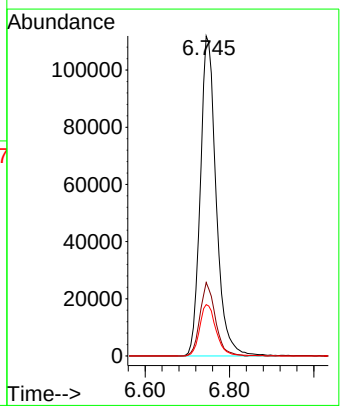
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

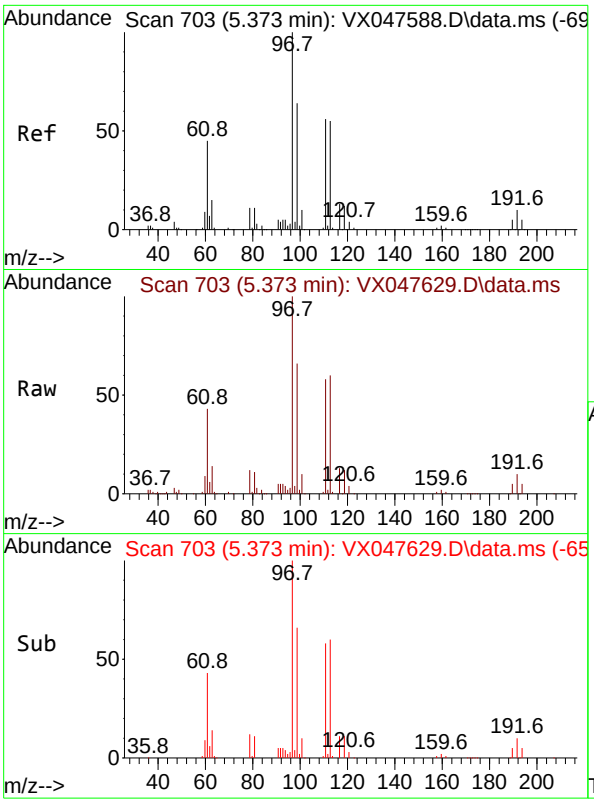


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 928
Delta R.T. -0.000 min
Lab File: VX047629.D
Acq: 17 Sep 2025 19:01

Tgt Ion:114 Resp: 292304

Ion	Ratio	Lower	Upper
114	100		
63	23.0	0.0	44.0
88	16.1	0.0	34.2

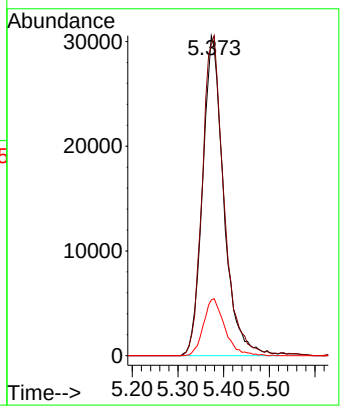




#35
Dibromofluoromethane
Concen: 49.897 ug/l
RT: 5.373 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047629.D
Acq: 17 Sep 2025 19:01

Tgt Ion:113 Resp: 9781

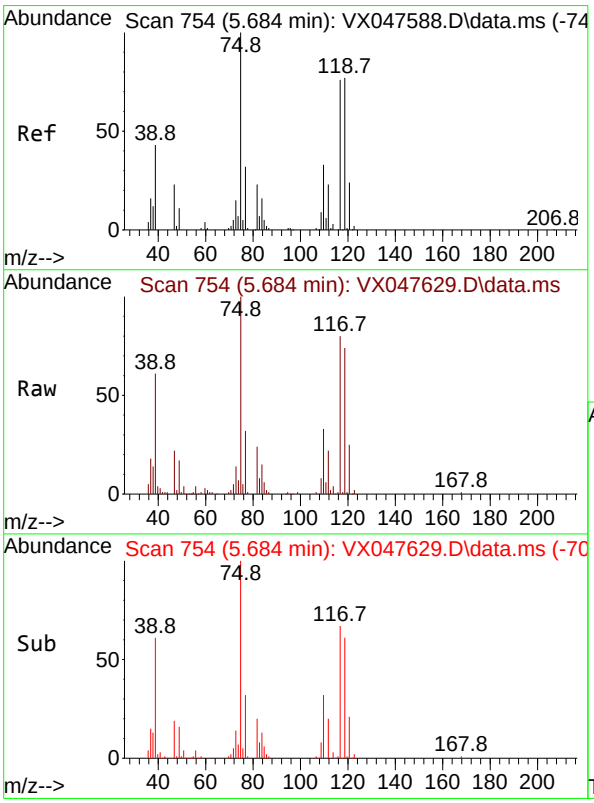
Ion	Ratio	Lower	Upper
113	100		
111	102.7	80.9	121.3
192	17.9	14.2	21.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

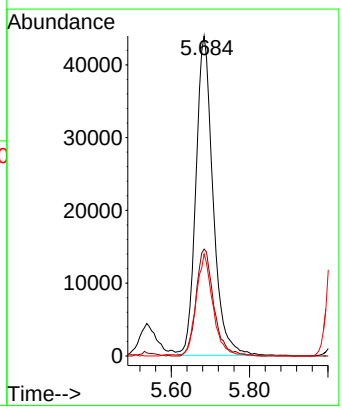
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

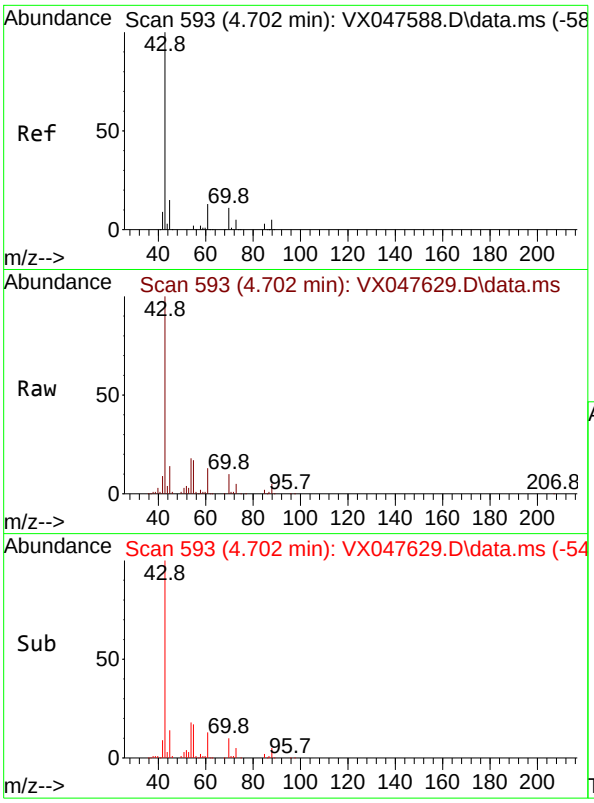


#36
1,1-Dichloropropene
Concen: 46.610 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.000 min
Lab File: VX047629.D
Acq: 17 Sep 2025 19:01

Tgt Ion: 75 Resp: 133515

Ion	Ratio	Lower	Upper
75	100		
110	34.8	16.7	50.1
77	31.3	24.3	36.5

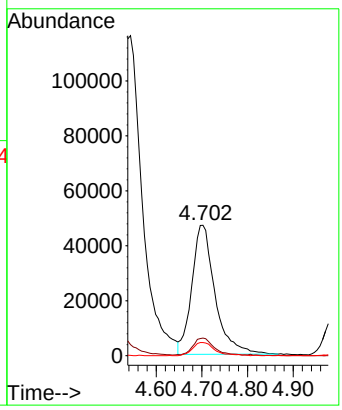




#37
Ethyl Acetate
Concen: 54.084 ug/l
RT: 4.702 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX047629.D
Acq: 17 Sep 2025 19:01

Tgt Ion: 43 Resp: 16588

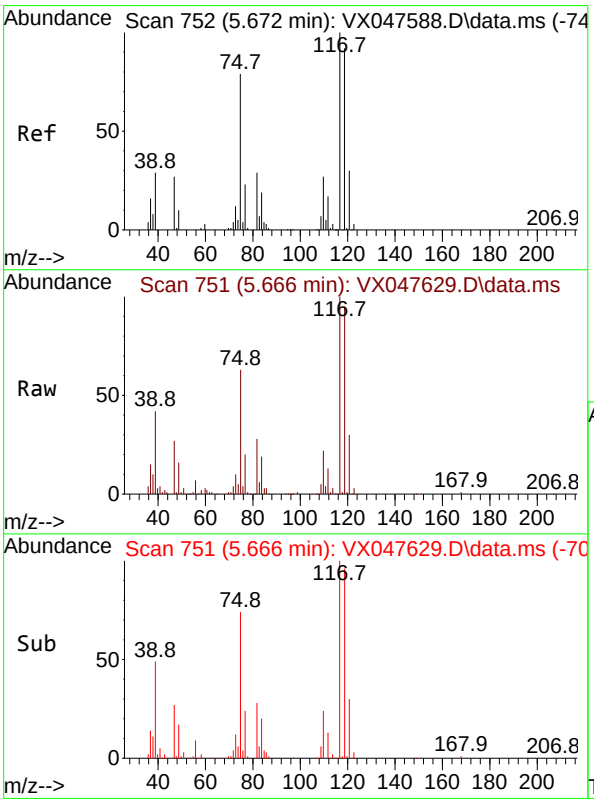
Ion	Ratio	Lower	Upper
43	100		
61	11.5	9.8	14.8
70	9.7	7.9	11.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

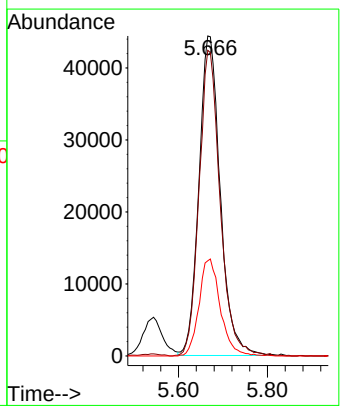
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

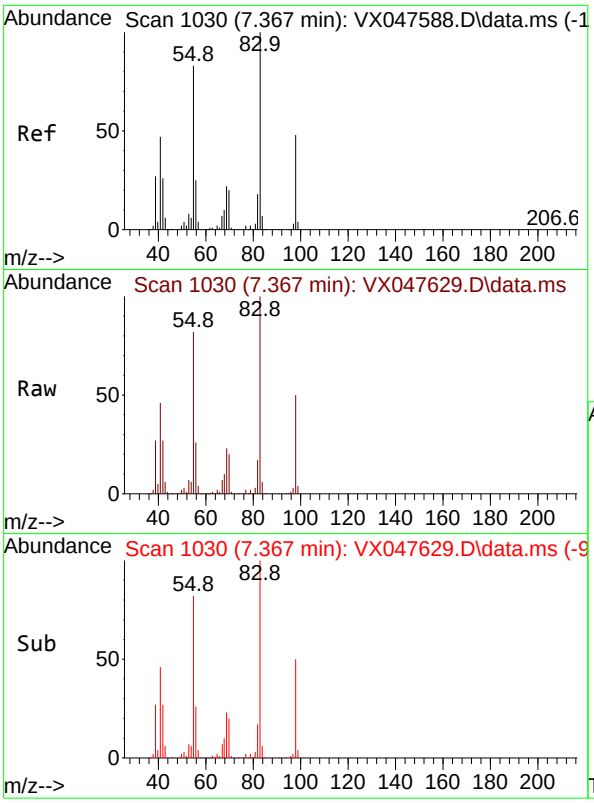


#38
Carbon Tetrachloride
Concen: 47.609 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX047629.D
Acq: 17 Sep 2025 19:01

Tgt Ion:117 Resp: 148177

Ion	Ratio	Lower	Upper
117	100		
119	95.4	73.4	110.2
121	29.8	23.8	35.6

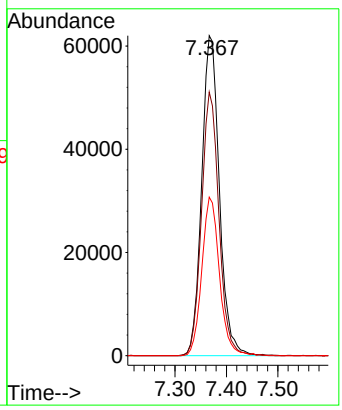




#39
Methylcyclohexane
Concen: 45.546 ug/l
RT: 7.367 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047629.D
Acq: 17 Sep 2025 19:01

Tgt Ion: 83 Resp: 14810

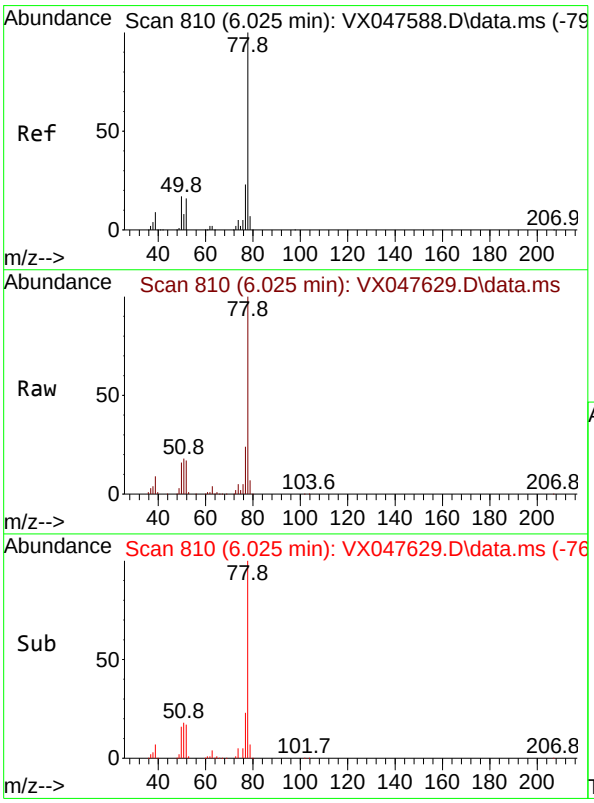
Ion	Ratio	Lower	Upper
83	100		
55	82.4	66.4	99.6
98	49.6	38.1	57.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

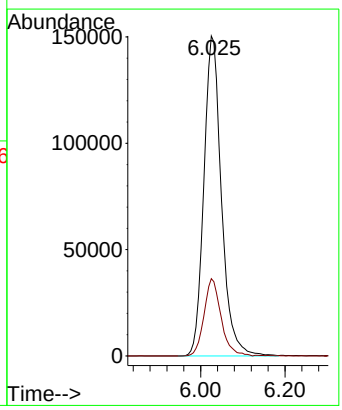
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

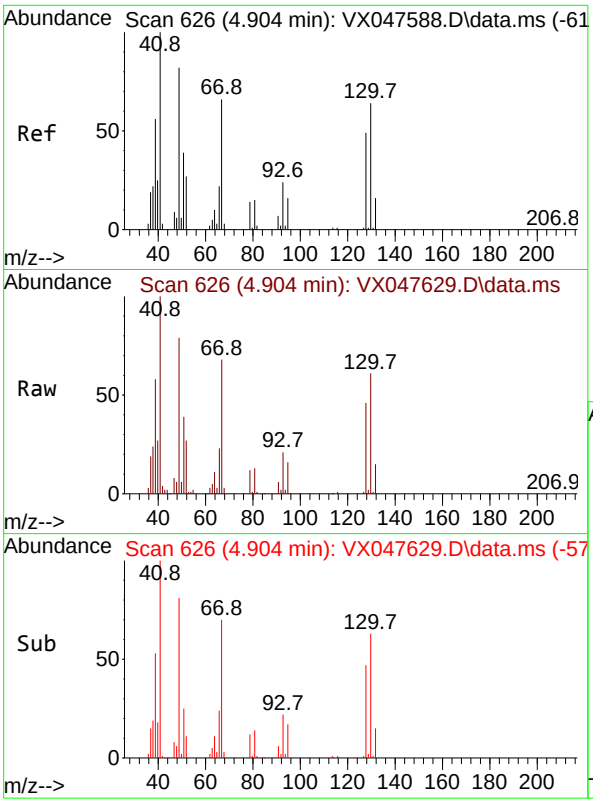


#40
Benzene
Concen: 50.154 ug/l
RT: 6.025 min Scan# 810
Delta R.T. -0.000 min
Lab File: VX047629.D
Acq: 17 Sep 2025 19:01

Tgt Ion: 78 Resp: 436357

Ion	Ratio	Lower	Upper
78	100		
77	24.2	18.8	28.2

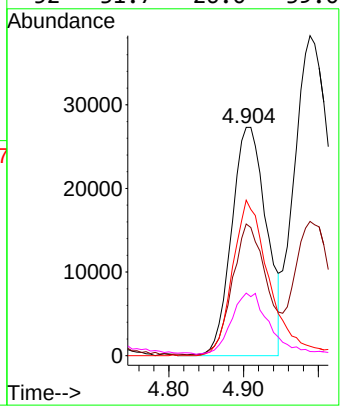




#41
Methacrylonitrile
Concen: 55.897 ug/l
RT: 4.904 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX047629.D
Acq: 17 Sep 2025 19:01

Tgt Ion: 41 Resp: 8850

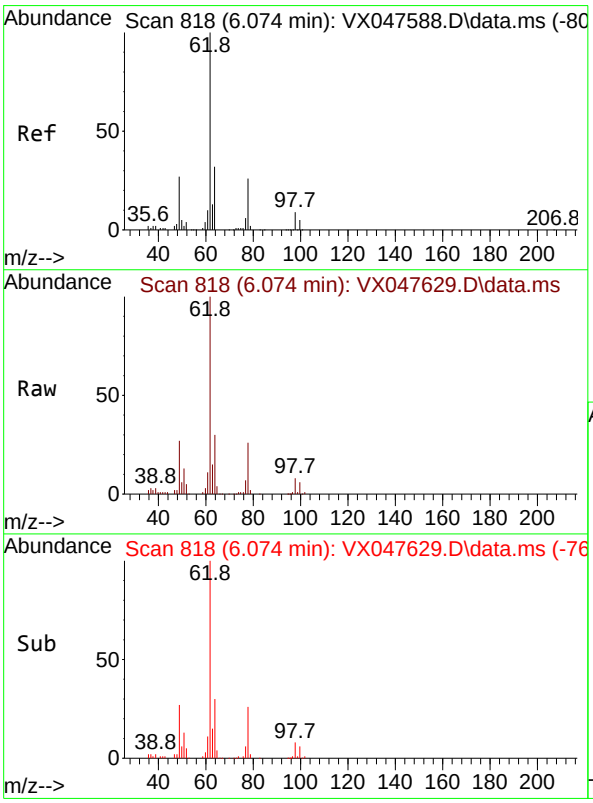
Ion	Ratio	Lower	Upper
41	100		
39	57.2	43.3	64.9
67	73.8	58.6	87.8
52	31.7	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

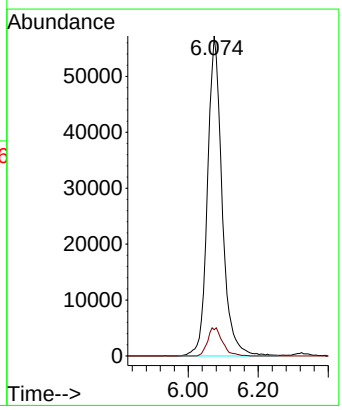
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

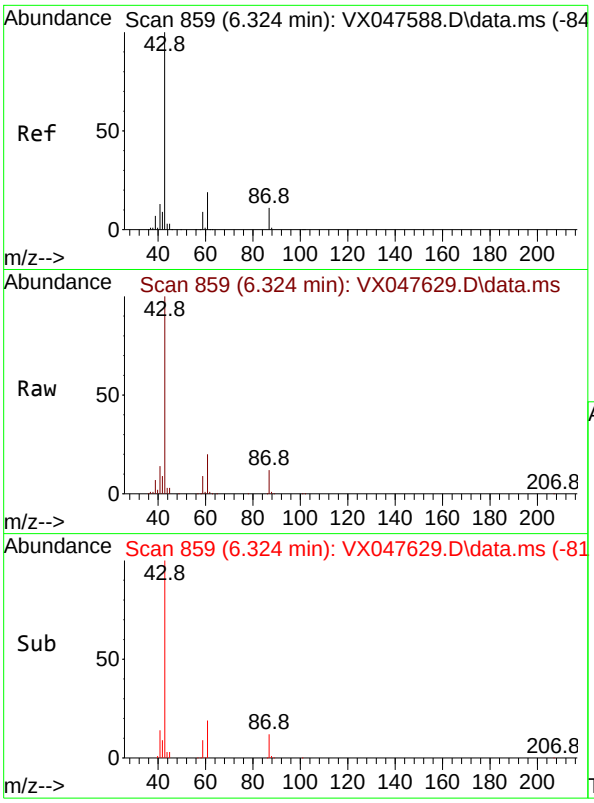


#42
1,2-Dichloroethane
Concen: 50.034 ug/l
RT: 6.074 min Scan# 818
Delta R.T. -0.000 min
Lab File: VX047629.D
Acq: 17 Sep 2025 19:01

Tgt Ion: 62 Resp: 165630

Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	17.0

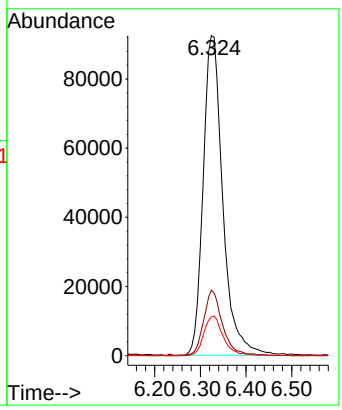




#43
Isopropyl Acetate
Concen: 54.664 ug/l
RT: 6.324 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX047629.D
Acq: 17 Sep 2025 19:01

Tgt Ion: 43 Resp: 27497

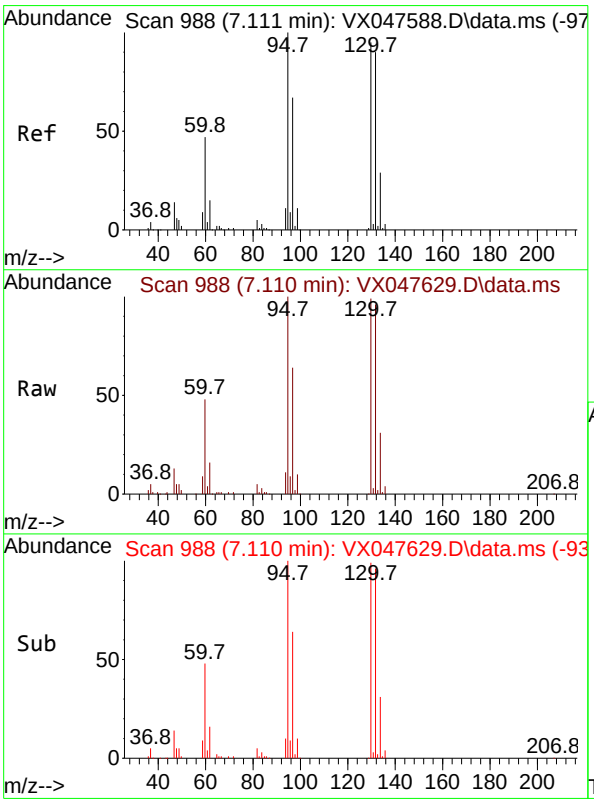
Ion	Ratio	Lower	Upper
43	100		
61	19.8	15.2	22.8
87	12.2	9.6	14.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

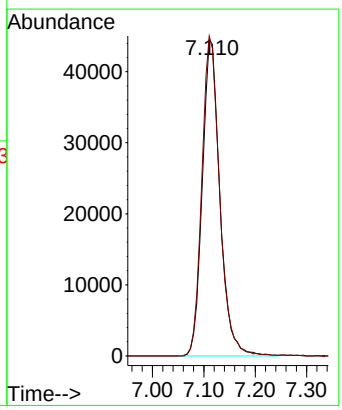
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

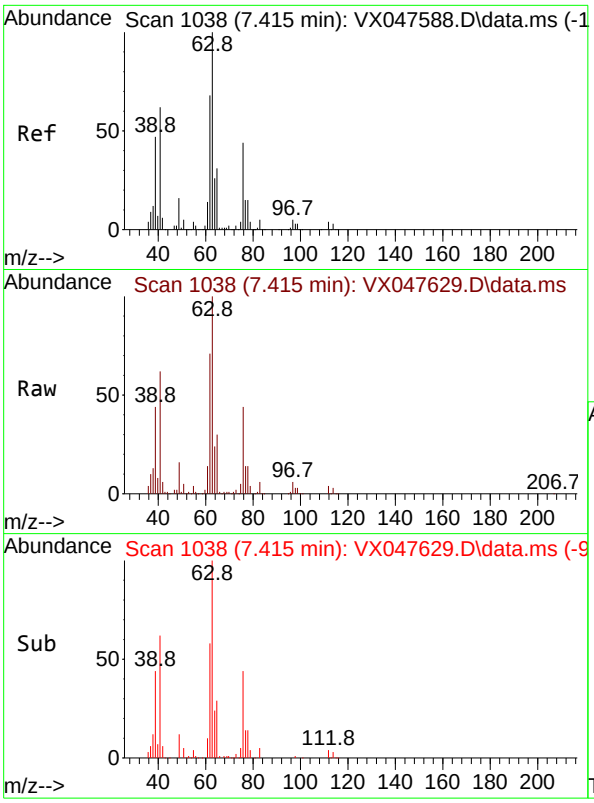


#44
Trichloroethene
Concen: 50.271 ug/l
RT: 7.110 min Scan# 988
Delta R.T. -0.000 min
Lab File: VX047629.D
Acq: 17 Sep 2025 19:01

Tgt Ion:130 Resp: 105741

Ion	Ratio	Lower	Upper
130	100		
95	101.2	0.0	210.8

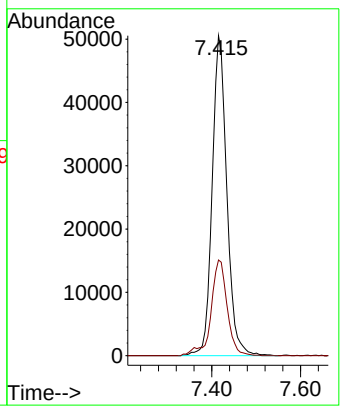




#45
1,2-Dichloropropane
Concen: 51.865 ug/l
RT: 7.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047629.D
Acq: 17 Sep 2025 19:01

Tgt Ion: 63 Resp: 11554

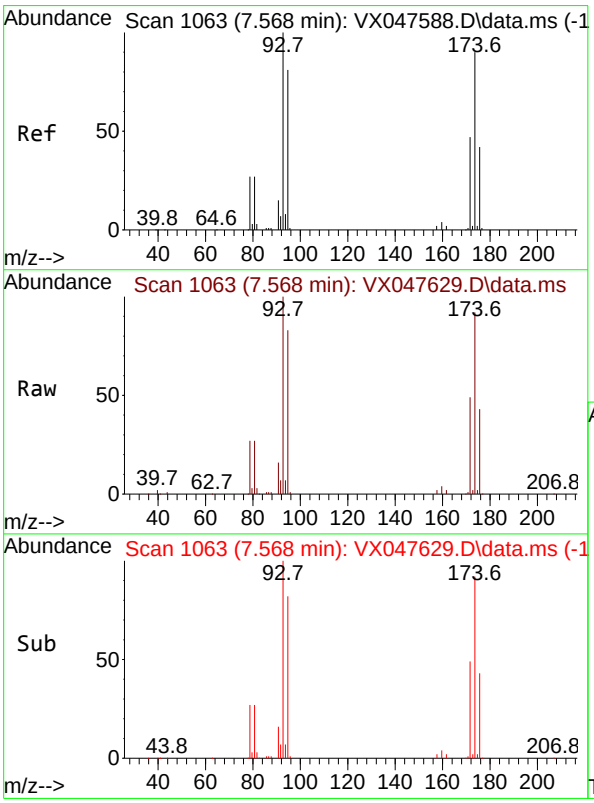
Ion	Ratio	Lower	Upper
63	100		
65	29.9	24.7	37.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

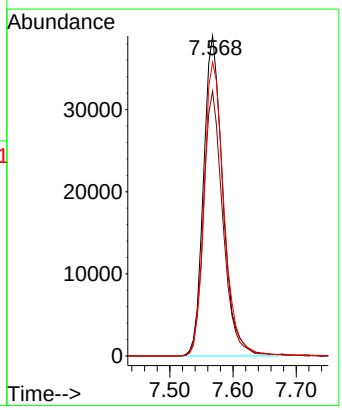
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

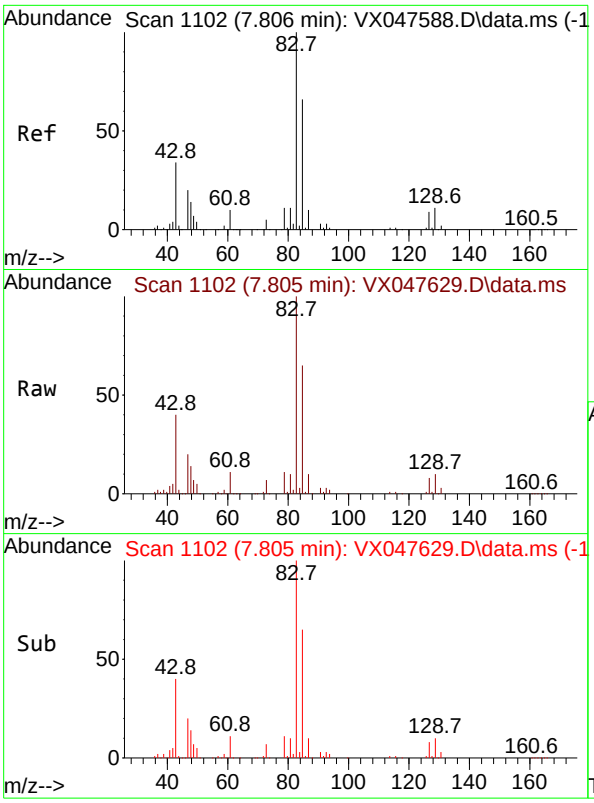


#46
Dibromomethane
Concen: 51.058 ug/l
RT: 7.568 min Scan# 1063
Delta R.T. -0.000 min
Lab File: VX047629.D
Acq: 17 Sep 2025 19:01

Tgt Ion: 93 Resp: 82775

Ion	Ratio	Lower	Upper
93	100		
95	83.6	65.0	97.6
174	94.1	71.6	107.4

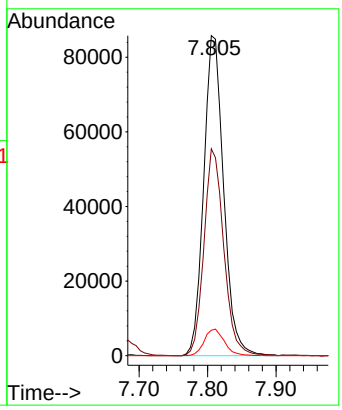




#47
Bromodichloromethane
Concen: 51.947 ug/l
RT: 7.805 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047629.D
Acq: 17 Sep 2025 19:01

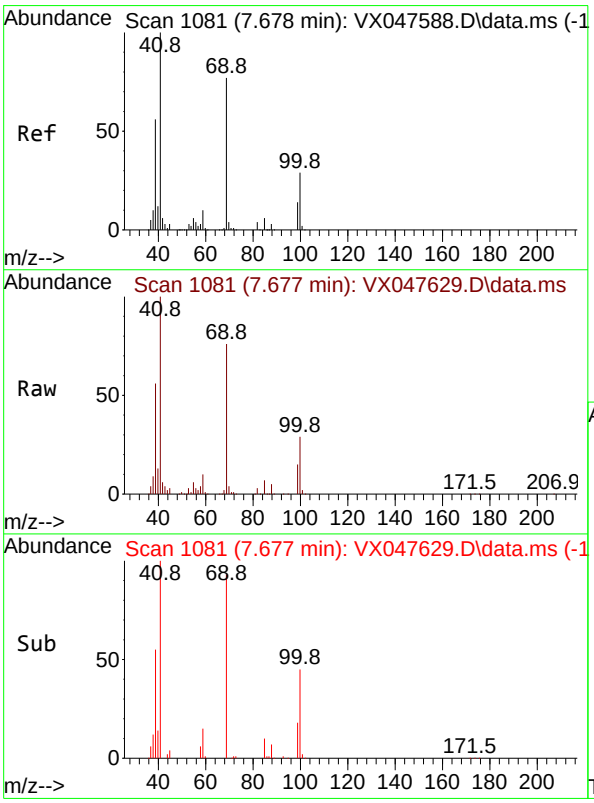
Tgt Ion: 83 Resp: 17378

Ion	Ratio	Lower	Upper
83	100		
85	64.6	52.5	78.7
127	8.0	6.9	10.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

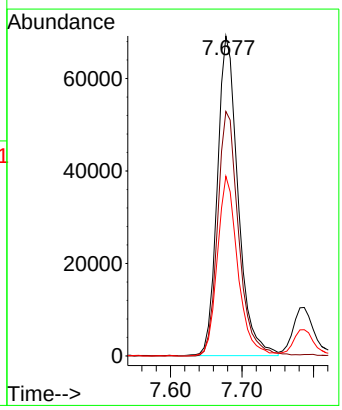
Manual Integrations APPROVED
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

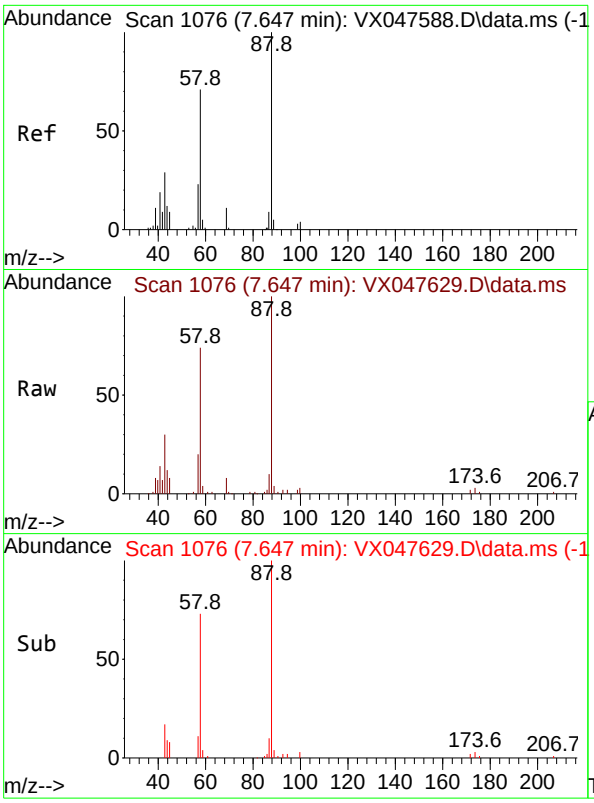


#48
Methyl methacrylate
Concen: 55.559 ug/l
RT: 7.677 min Scan# 1081
Delta R.T. -0.000 min
Lab File: VX047629.D
Acq: 17 Sep 2025 19:01

Tgt Ion: 41 Resp: 139209

Ion	Ratio	Lower	Upper
41	100		
69	77.7	61.4	92.2
39	55.7	45.8	68.6

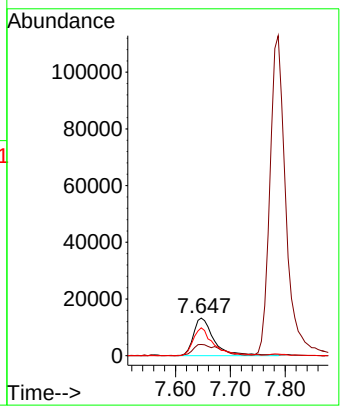




#49
1,4-Dioxane
Concen: 1368.143 ug/l
RT: 7.647 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047629.D
Acq: 17 Sep 2025 19:01

Tgt Ion: 88 Resp: 3464

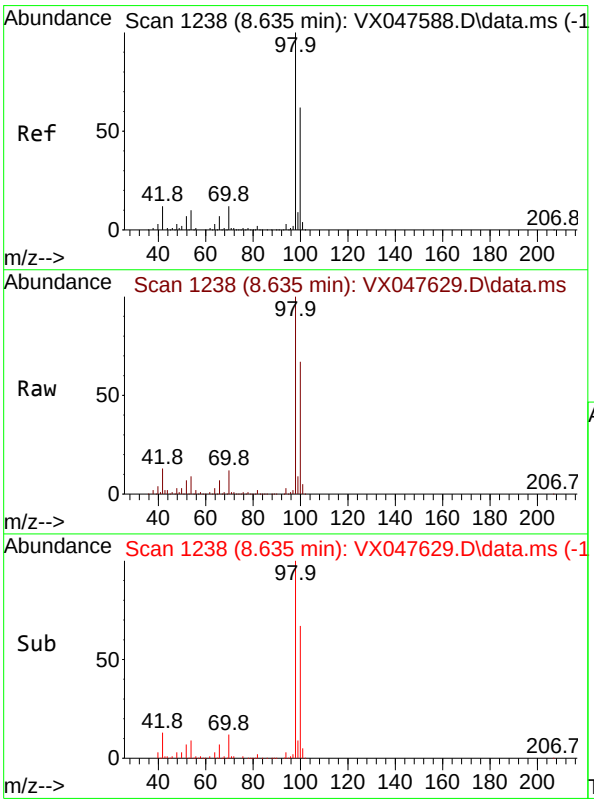
Ion	Ratio	Lower	Upper
88	100		
43	39.3	30.2	45.2
58	72.6	59.5	89.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

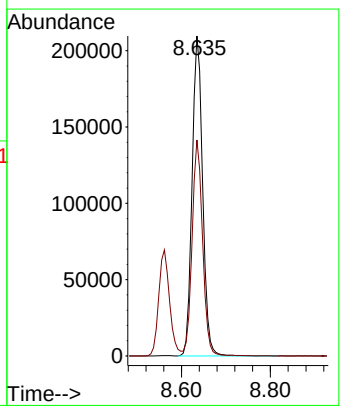
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

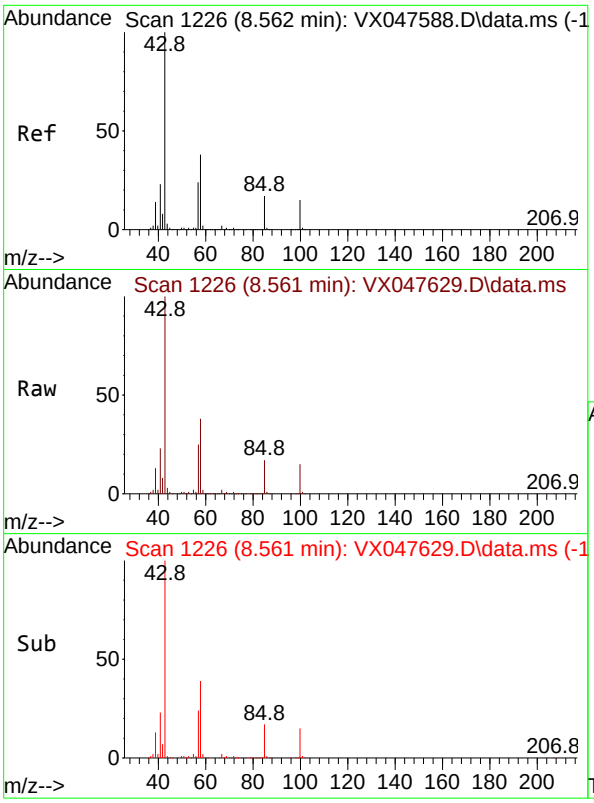


#50
Toluene-d8
Concen: 50.700 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX047629.D
Acq: 17 Sep 2025 19:01

Tgt Ion: 98 Resp: 343907

Ion	Ratio	Lower	Upper
98	100		
100	66.8	53.0	79.4

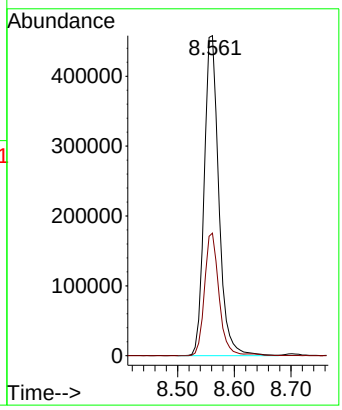




#51
4-Methyl-2-Pentanone
Concen: 293.767 ug/l
RT: 8.561 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047629.D
Acq: 17 Sep 2025 19:01

Tgt Ion: 43 Resp: 81931

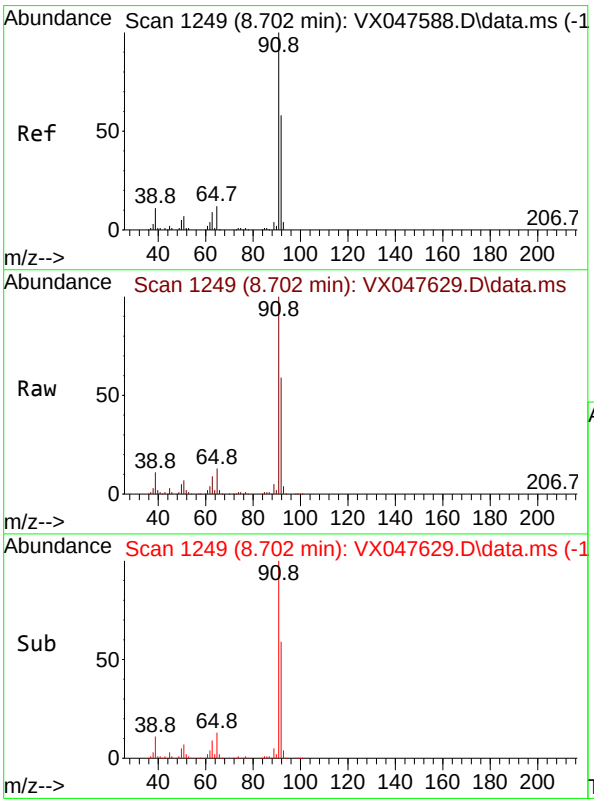
Ion	Ratio	Lower	Upper
43	100		
58	37.6	30.3	45.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

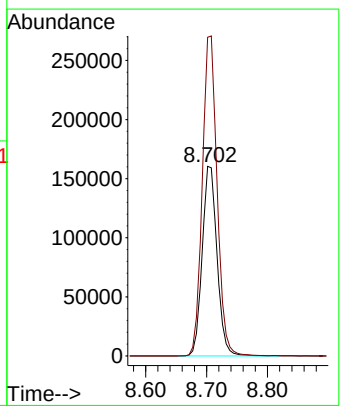
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

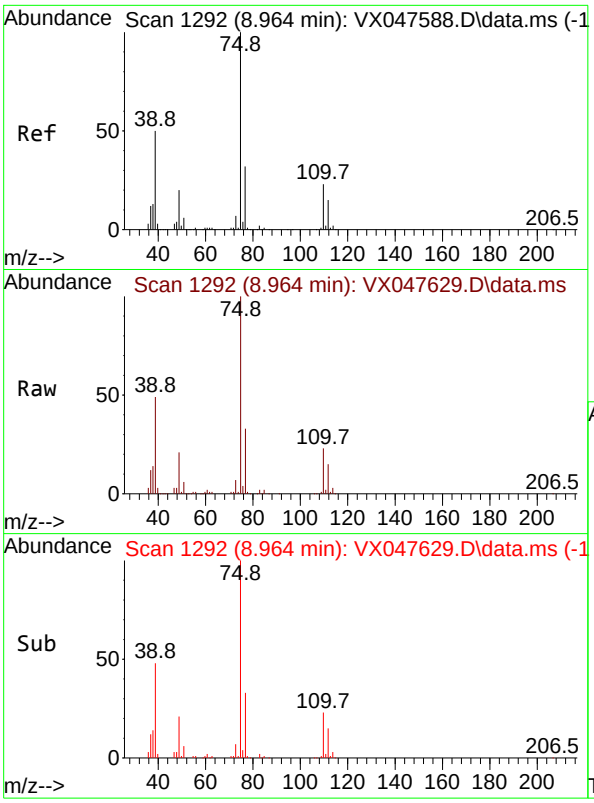


#52
Toluene
Concen: 50.647 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX047629.D
Acq: 17 Sep 2025 19:01

Tgt Ion: 92 Resp: 271480

Ion	Ratio	Lower	Upper
92	100		
91	168.6	137.1	205.7

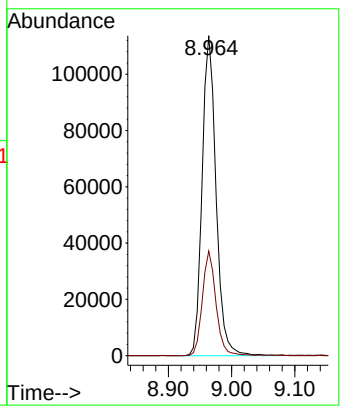




#53
t-1,3-Dichloropropene
Concen: 51.153 ug/l
RT: 8.964 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047629.D
Acq: 17 Sep 2025 19:01

Tgt Ion: 75 Resp: 17455

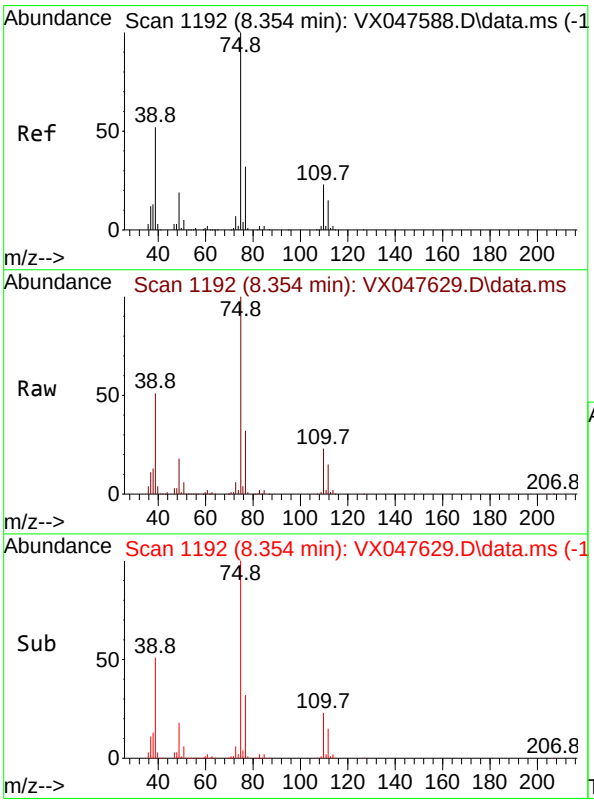
Ion	Ratio	Lower	Upper
75	100		
77	32.7	25.4	38.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

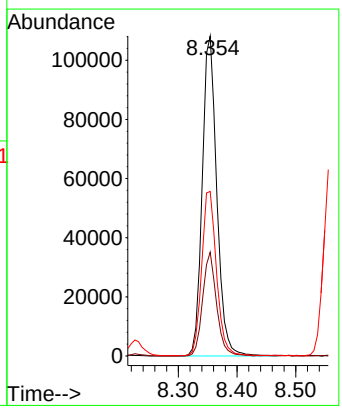
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

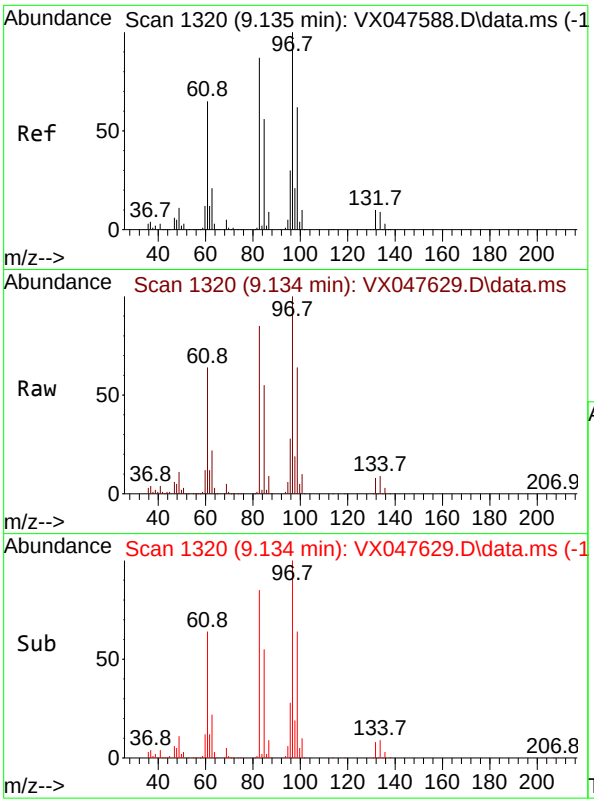


#54
cis-1,3-Dichloropropene
Concen: 51.132 ug/l
RT: 8.354 min Scan# 1192
Delta R.T. -0.000 min
Lab File: VX047629.D
Acq: 17 Sep 2025 19:01

Tgt Ion: 75 Resp: 186493

Ion	Ratio	Lower	Upper
75	100		
77	32.4	25.8	38.6
39	51.3	41.4	62.2

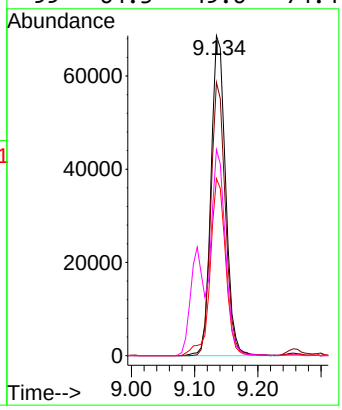




#55
1,1,2-Trichloroethane
Concen: 53.343 ug/l
RT: 9.134 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047629.D
Acq: 17 Sep 2025 19:01

Tgt Ion: 97 Resp: 11025

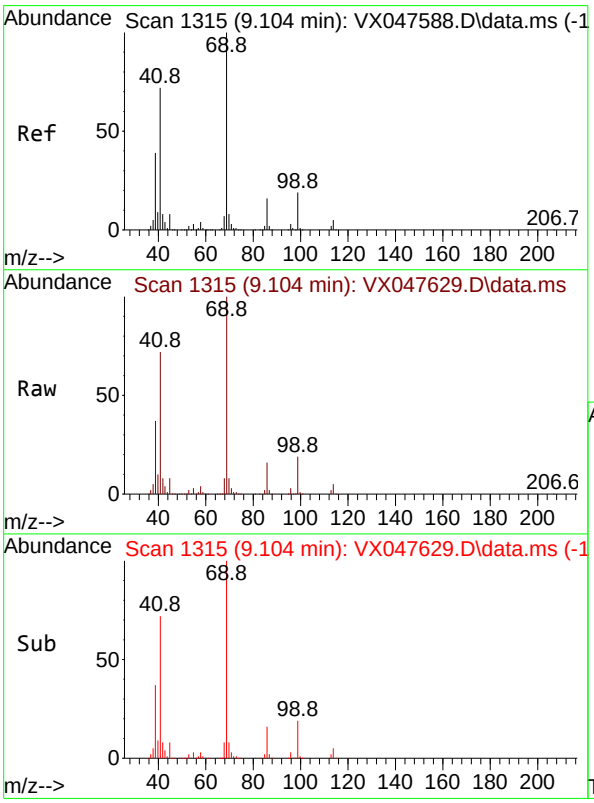
Ion	Ratio	Lower	Upper
97	100		
83	85.4	69.6	104.4
85	55.4	45.0	67.6
99	64.3	49.6	74.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

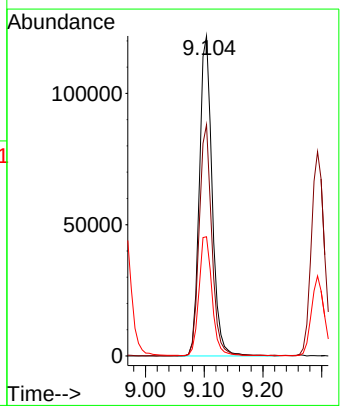
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

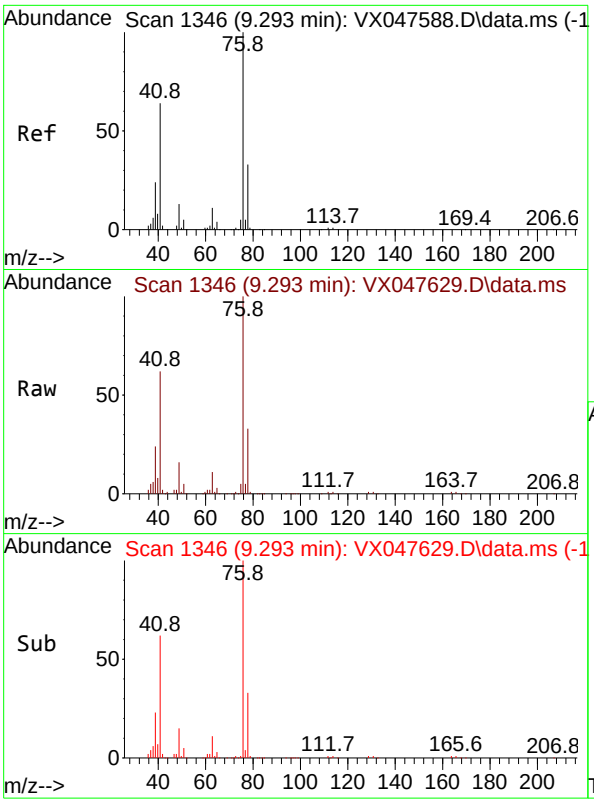


#56
Ethyl methacrylate
Concen: 56.580 ug/l
RT: 9.104 min Scan# 1315
Delta R.T. -0.000 min
Lab File: VX047629.D
Acq: 17 Sep 2025 19:01

Tgt Ion: 69 Resp: 183656

Ion	Ratio	Lower	Upper
69	100		
41	71.8	58.6	87.8
39	38.2	31.5	47.3

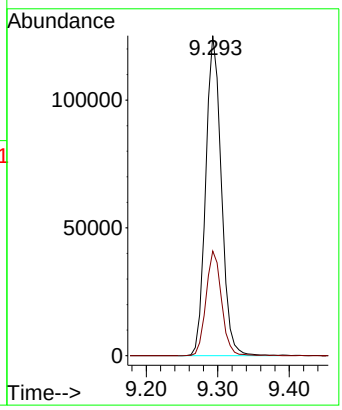




#57
1,3-Dichloropropane
Concen: 53.484 ug/l
RT: 9.293 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047629.D
Acq: 17 Sep 2025 19:01

Tgt Ion: 76 Resp: 18989

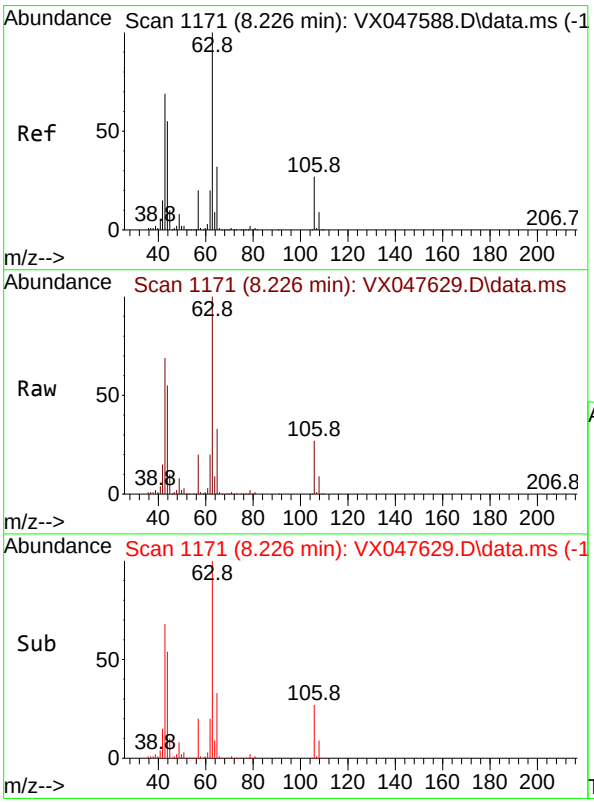
Ion	Ratio	Lower	Upper
76	100		
78	32.5	26.2	39.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

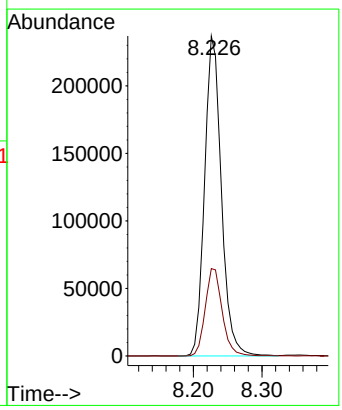
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

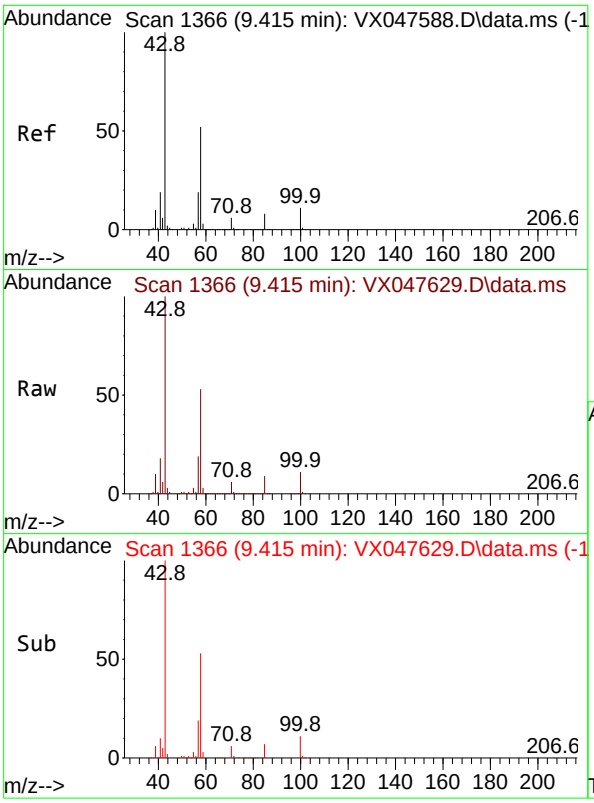


#58
2-Chloroethyl Vinyl ether
Concen: 259.768 ug/l
RT: 8.226 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VX047629.D
Acq: 17 Sep 2025 19:01

Tgt Ion: 63 Resp: 403925

Ion	Ratio	Lower	Upper
63	100		
106	27.7	21.9	32.9

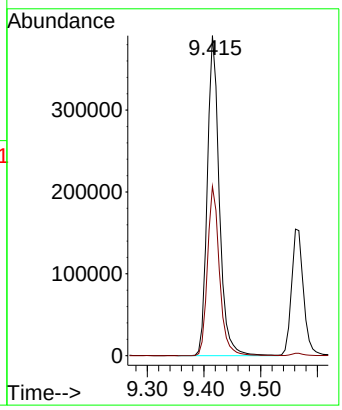




#59
2-Hexanone
Concen: 286.357 ug/l
RT: 9.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047629.D
Acq: 17 Sep 2025 19:01

Tgt Ion: 43 Resp: 57358

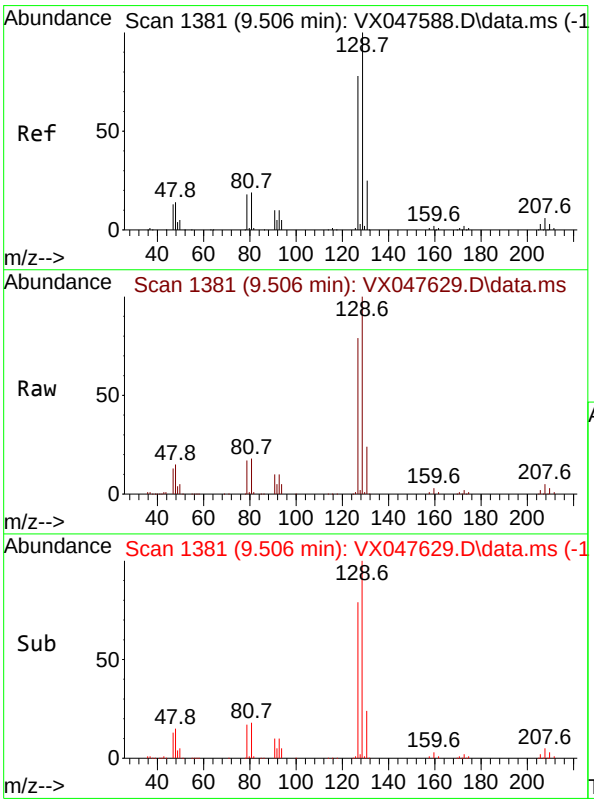
Ion	Ratio	Lower	Upper
43	100		
58	52.9	26.1	78.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

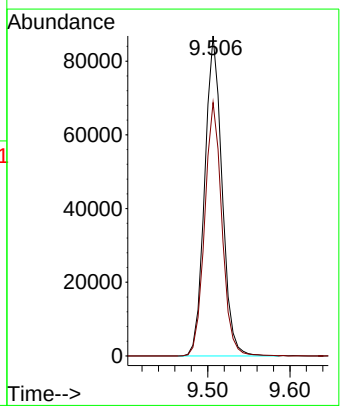
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

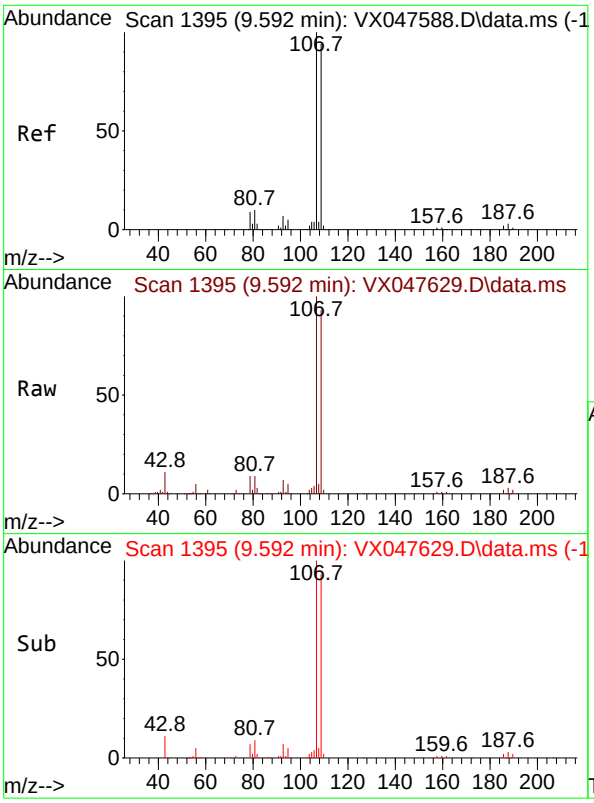


#60
Dibromochloromethane
Concen: 53.396 ug/l
RT: 9.506 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VX047629.D
Acq: 17 Sep 2025 19:01

Tgt Ion:129 Resp: 127163

Ion	Ratio	Lower	Upper
129	100		
127	78.5	38.4	115.2

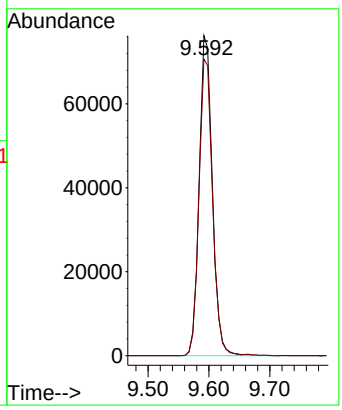




#61
1,2-Dibromoethane
Concen: 54.651 ug/l
RT: 9.592 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047629.D
Acq: 17 Sep 2025 19:01

Tgt Ion:107 Resp: 11505

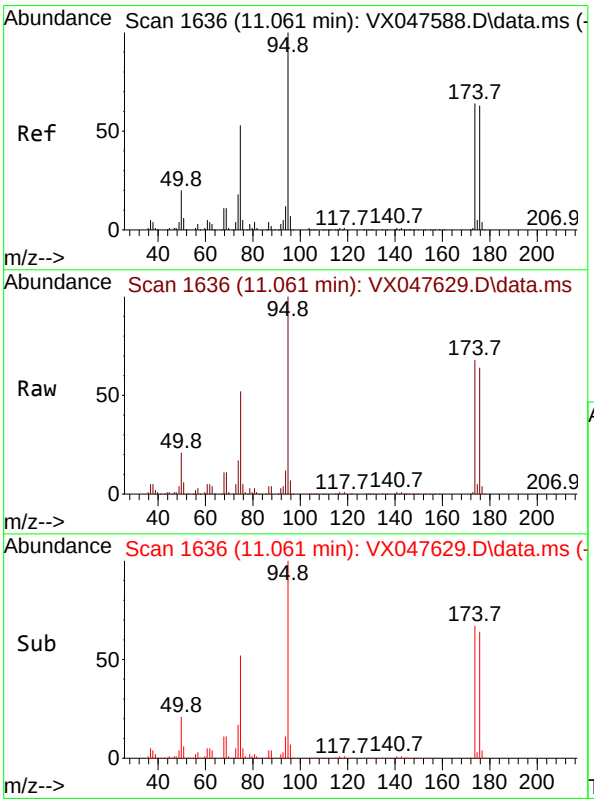
Ion	Ratio	Lower	Upper
107	100		
109	95.0	75.3	112.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

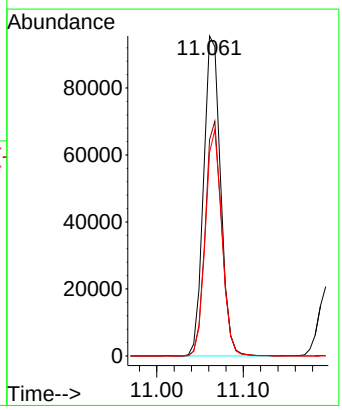
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

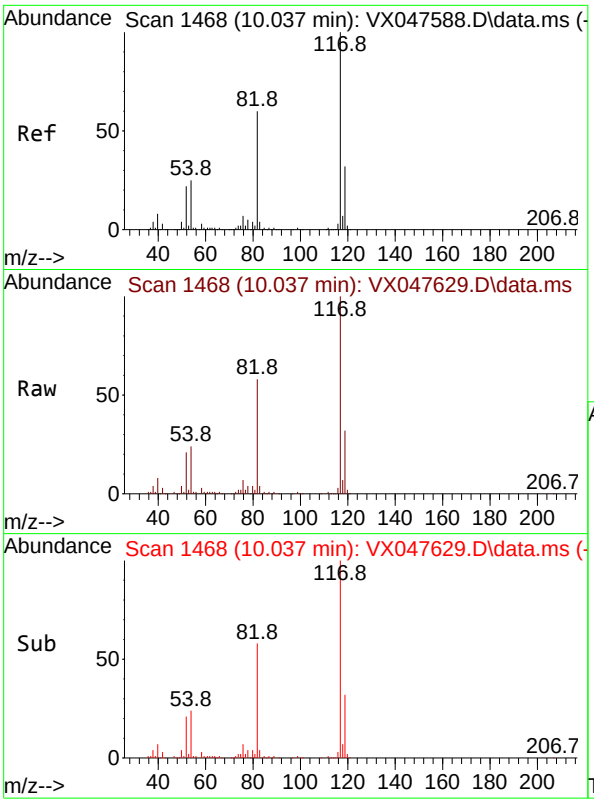


#62
4-Bromofluorobenzene
Concen: 50.473 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX047629.D
Acq: 17 Sep 2025 19:01

Tgt Ion: 95 Resp: 129935

Ion	Ratio	Lower	Upper
95	100		
174	71.4	0.0	141.6
176	69.0	0.0	138.4

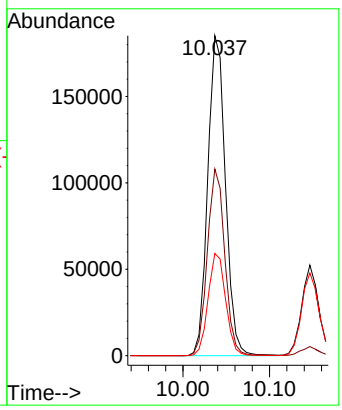




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047629.D
Acq: 17 Sep 2025 19:01

Tgt Ion:117 Resp: 26236

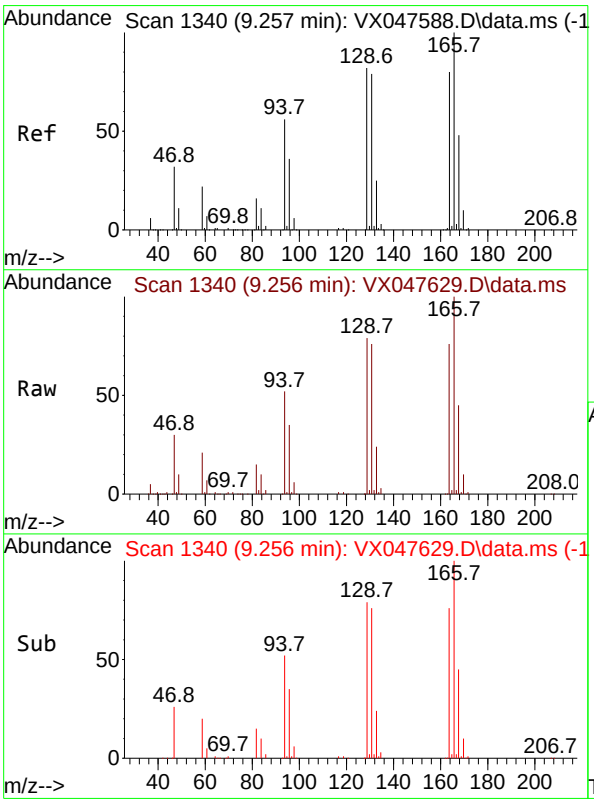
Ion	Ratio	Lower	Upper
117	100		
82	58.4	47.8	71.6
119	32.0	25.2	37.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

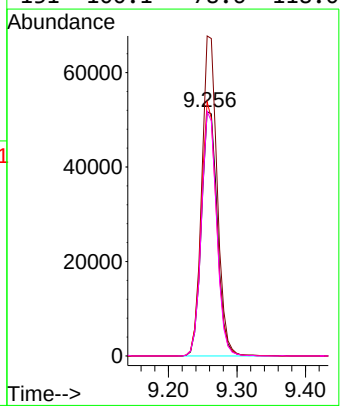
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

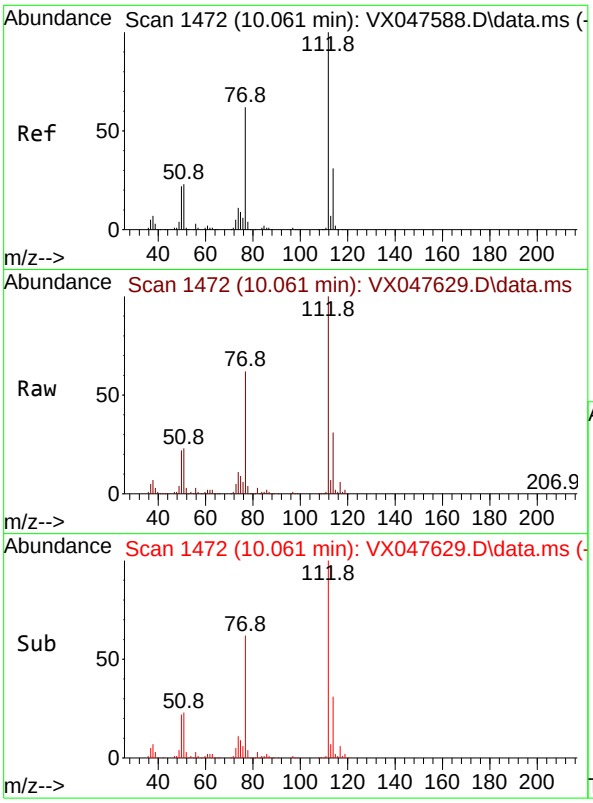


#64
Tetrachloroethene
Concen: 48.615 ug/l
RT: 9.256 min Scan# 1340
Delta R.T. -0.000 min
Lab File: VX047629.D
Acq: 17 Sep 2025 19:01

Tgt Ion:164 Resp: 83148

Ion	Ratio	Lower	Upper
164	100		
166	131.0	100.2	150.2
129	104.0	81.8	122.6
131	100.1	78.6	118.0





#65
Chlorobenzene
Concen: 50.542 ug/l
RT: 10.061 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047629.D
Acq: 17 Sep 2025 19:01

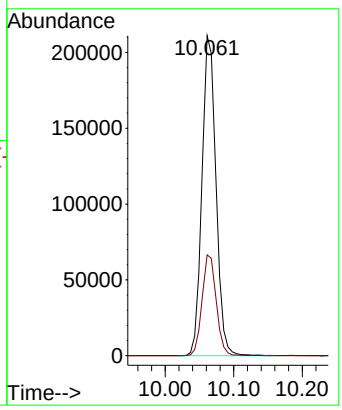
Tgt Ion:112 Resp: 30125

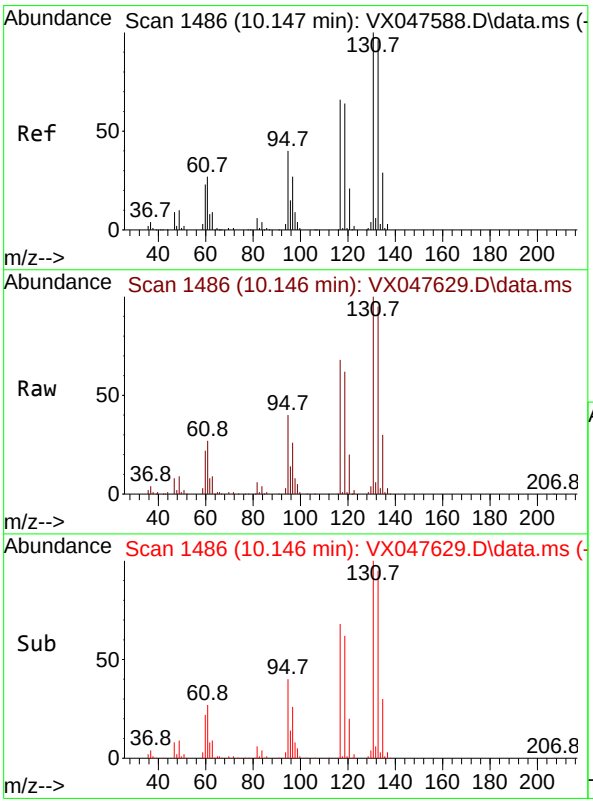
Ion	Ratio	Lower	Upper
112	100		
114	31.5	25.1	37.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

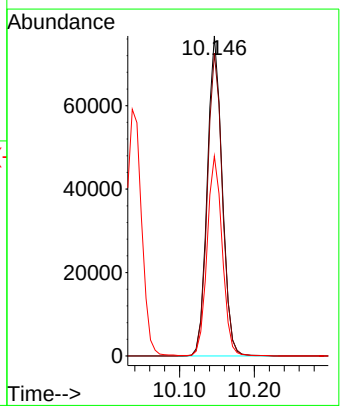


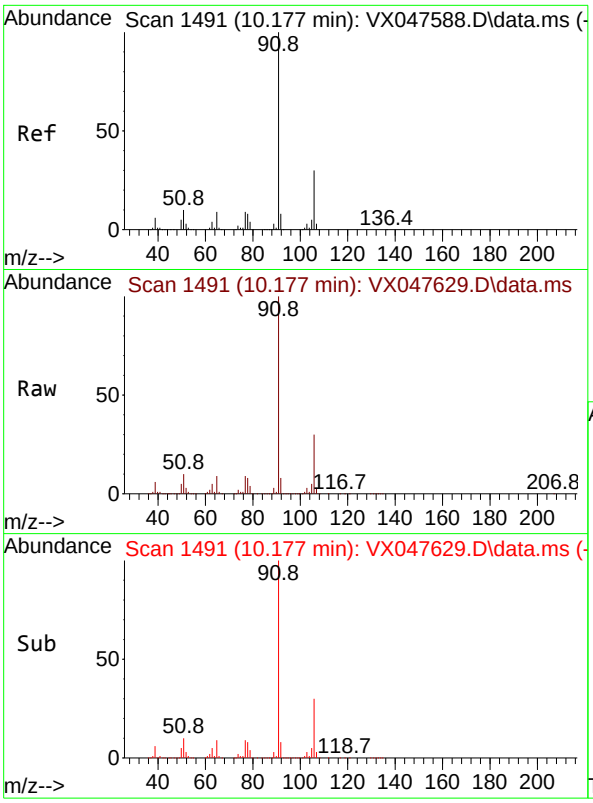


#66
1,1,1,2-Tetrachloroethane
Concen: 51.489 ug/l
RT: 10.146 min Scan# 1486
Delta R.T. -0.000 min
Lab File: VX047629.D
Acq: 17 Sep 2025 19:01

Tgt Ion:131 Resp: 105903

Ion	Ratio	Lower	Upper
131	100		
133	95.7	47.3	142.0
119	63.5	32.0	96.0

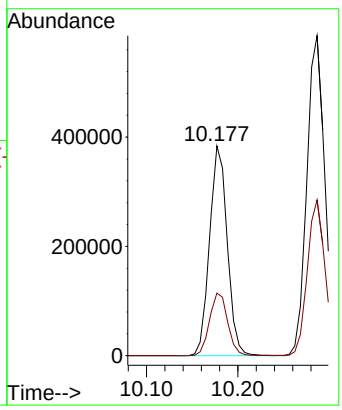




#67
Ethyl Benzene
Concen: 50.124 ug/l
RT: 10.177 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047629.D
Acq: 17 Sep 2025 19:01

Tgt Ion: 91 Resp: 51548

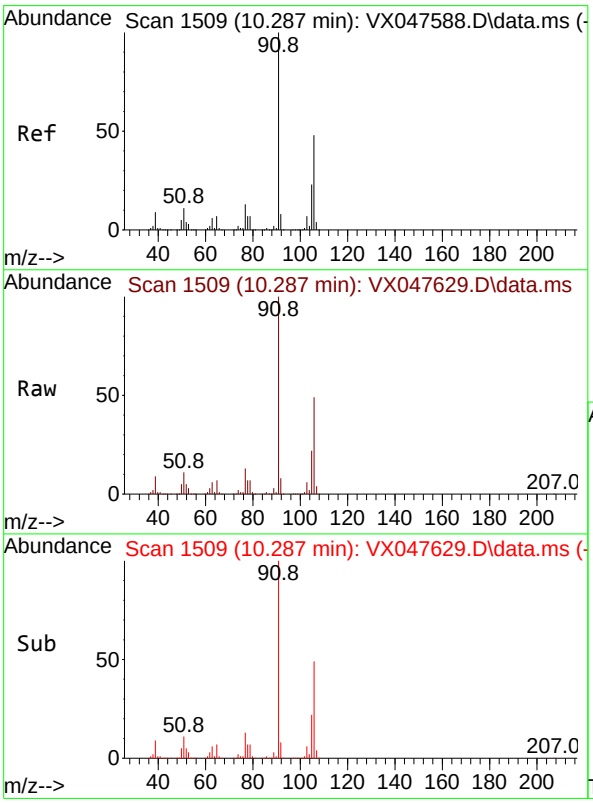
Ion	Ratio	Lower	Upper
91	100		
106	29.9	24.3	36.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

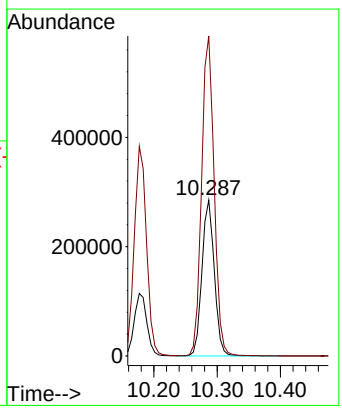
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

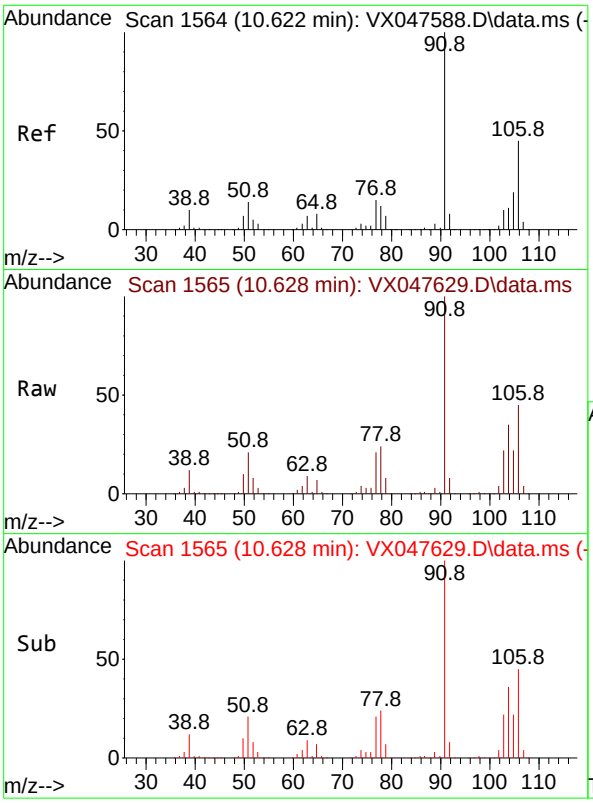


#68
m/p-Xylenes
Concen: 101.396 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VX047629.D
Acq: 17 Sep 2025 19:01

Tgt Ion:106 Resp: 388133

Ion	Ratio	Lower	Upper
106	100		
91	208.7	167.8	251.8

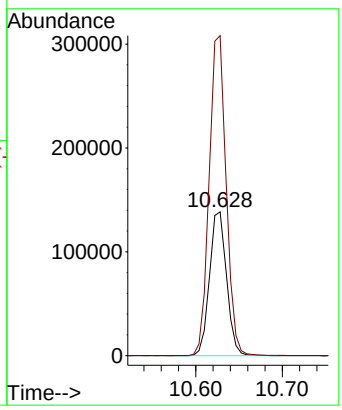




#69
o-Xylene
Concen: 51.181 ug/l
RT: 10.628 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047629.D
Acq: 17 Sep 2025 19:01

Tgt Ion:106 Resp: 18949

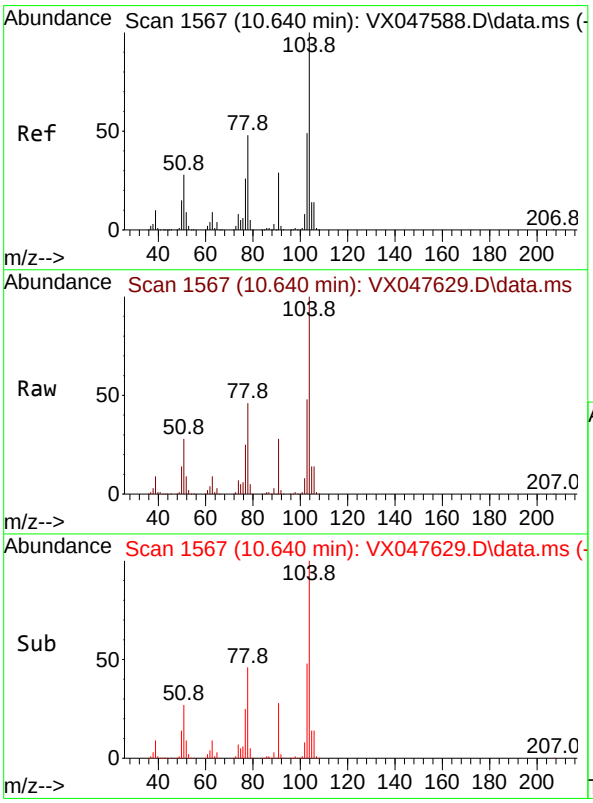
Ion	Ratio	Lower	Upper
106	100		
91	222.2	111.1	333.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

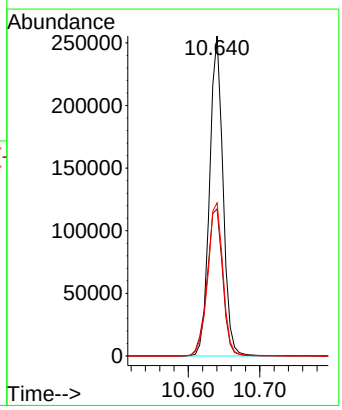
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

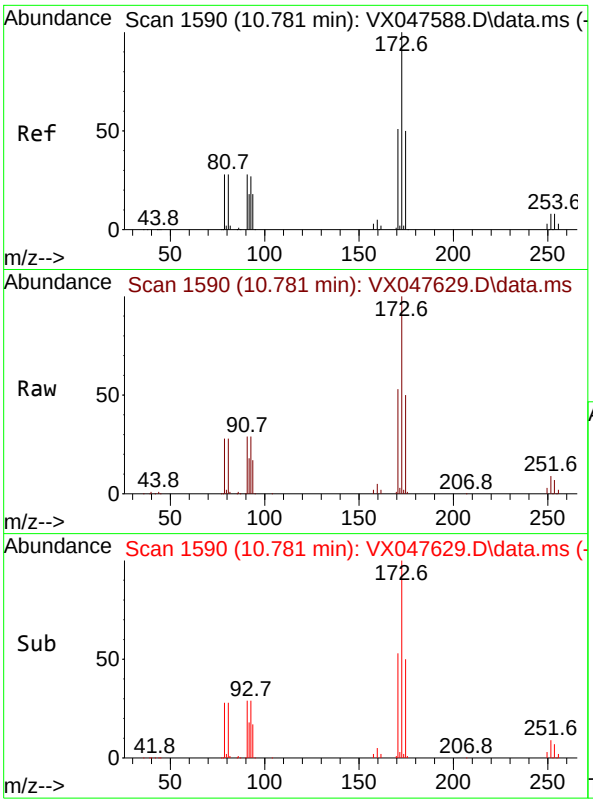


#70
Styrene
Concen: 51.401 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX047629.D
Acq: 17 Sep 2025 19:01

Tgt Ion:104 Resp: 333465

Ion	Ratio	Lower	Upper
104	100		
78	53.2	43.1	64.7
103	54.2	43.1	64.7





#71
Bromoform
Concen: 52.869 ug/l
RT: 10.781 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047629.D
Acq: 17 Sep 2025 19:01

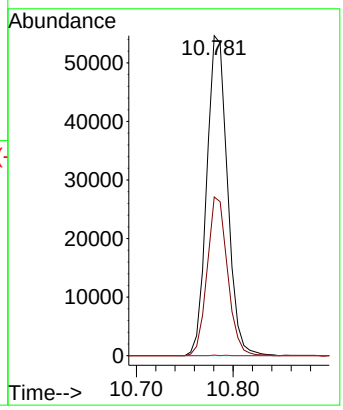
Tgt Ion:173 Resp: 8119

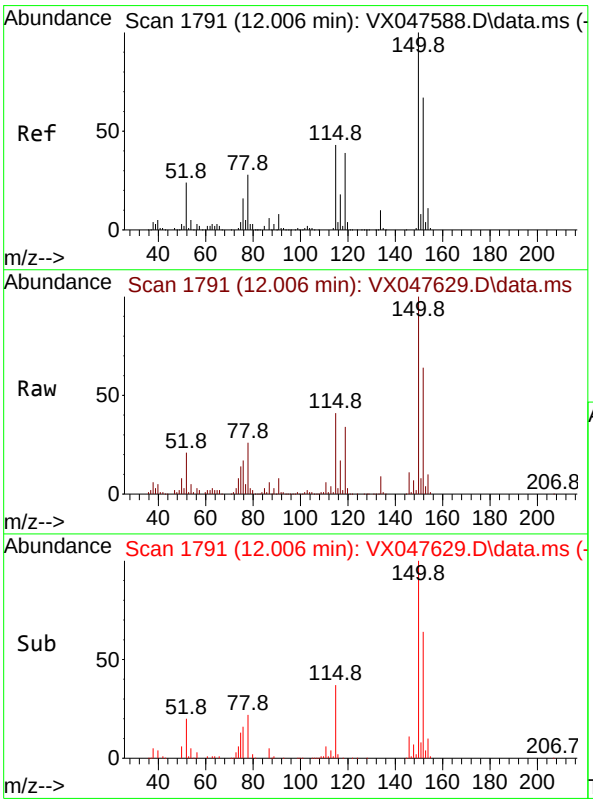
Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.9	74.6
254	0.1	0.1	0.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

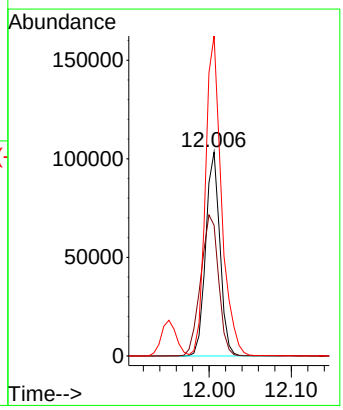


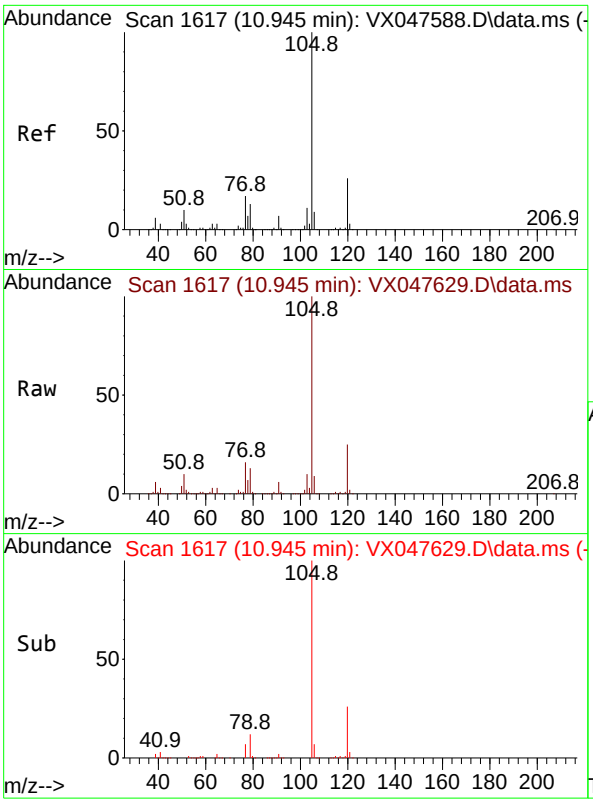


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047629.D
Acq: 17 Sep 2025 19:01

Tgt Ion:152 Resp: 123899

Ion	Ratio	Lower	Upper
152	100		
115	87.1	44.9	134.5
150	177.5	0.0	352.0

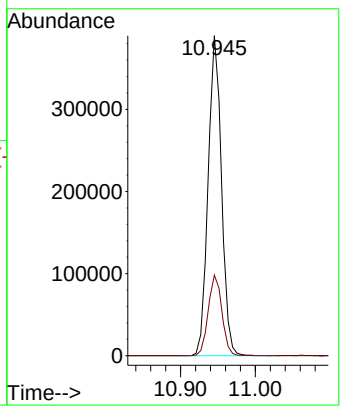




#73
Isopropylbenzene
Concen: 51.323 ug/l
RT: 10.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047629.D
Acq: 17 Sep 2025 19:01

Tgt Ion:105 Resp: 48343

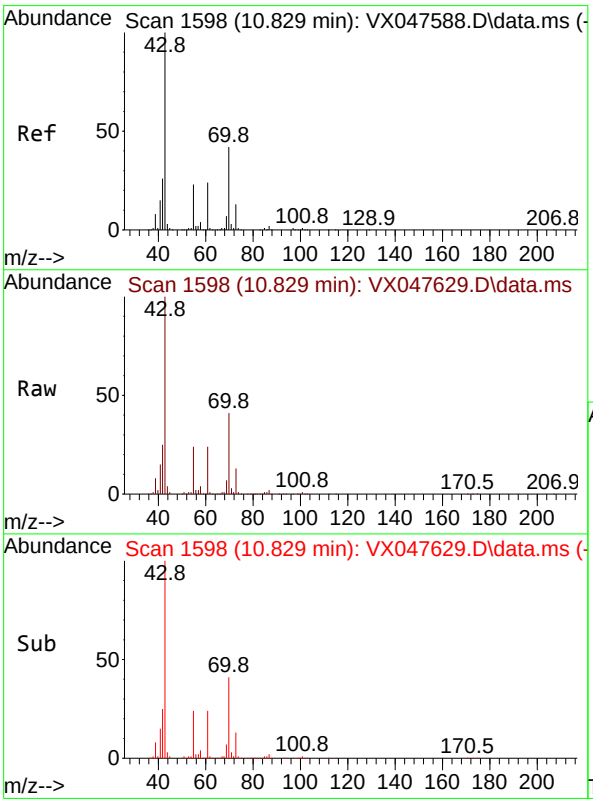
Ion	Ratio	Lower	Upper
105	100		
120	25.8	12.8	38.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

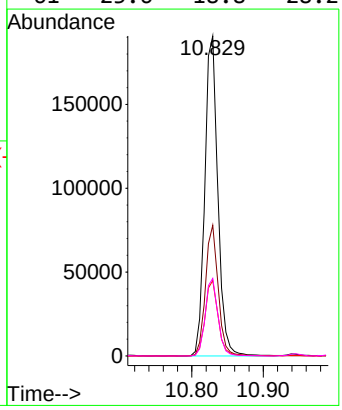
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

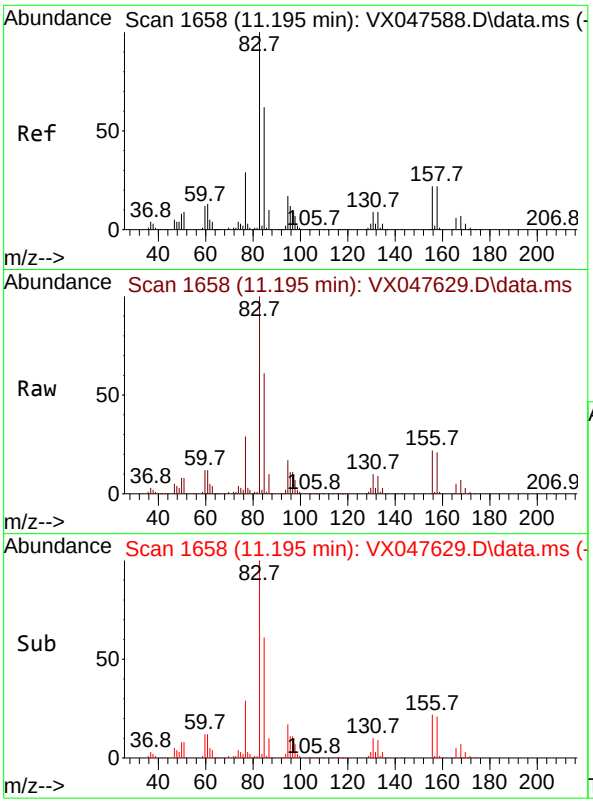


#74
N-amyl acetate
Concen: 56.259 ug/l
RT: 10.829 min Scan# 1598
Delta R.T. -0.000 min
Lab File: VX047629.D
Acq: 17 Sep 2025 19:01

Tgt Ion: 43 Resp: 241658

Ion	Ratio	Lower	Upper
43	100		
70	40.0	32.0	48.0
55	23.7	18.9	28.3
61	23.6	18.8	28.2

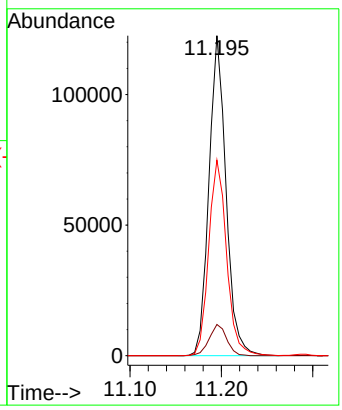




#75
1,1,2,2-Tetrachloroethane
Concen: 55.582 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047629.D
Acq: 17 Sep 2025 19:01

Tgt Ion: 83 Resp: 15840

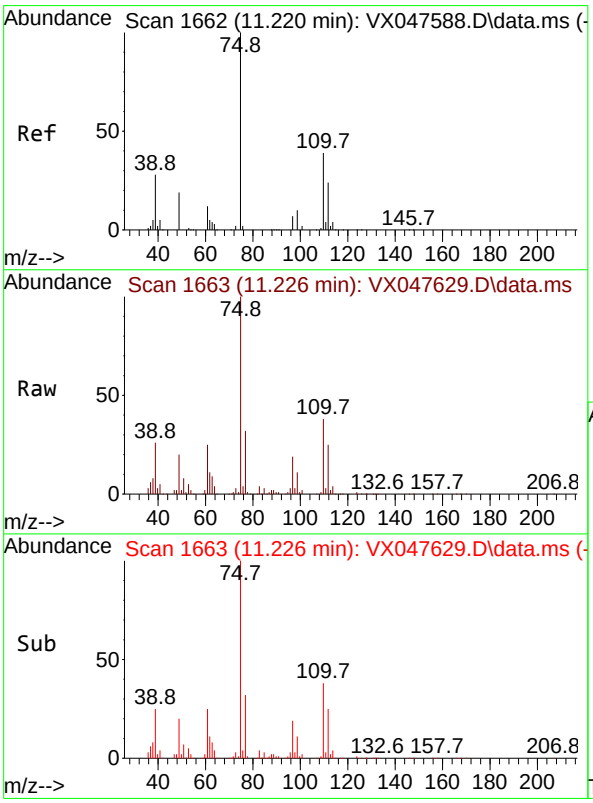
Ion	Ratio	Lower	Upper
83	100		
131	10.0	5.0	14.9
85	64.1	31.6	95.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

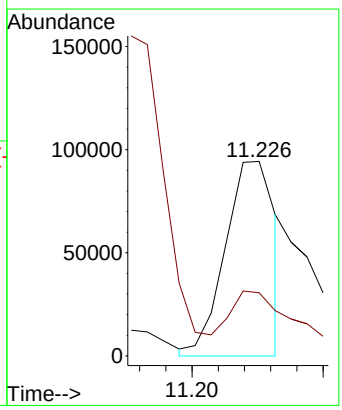
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

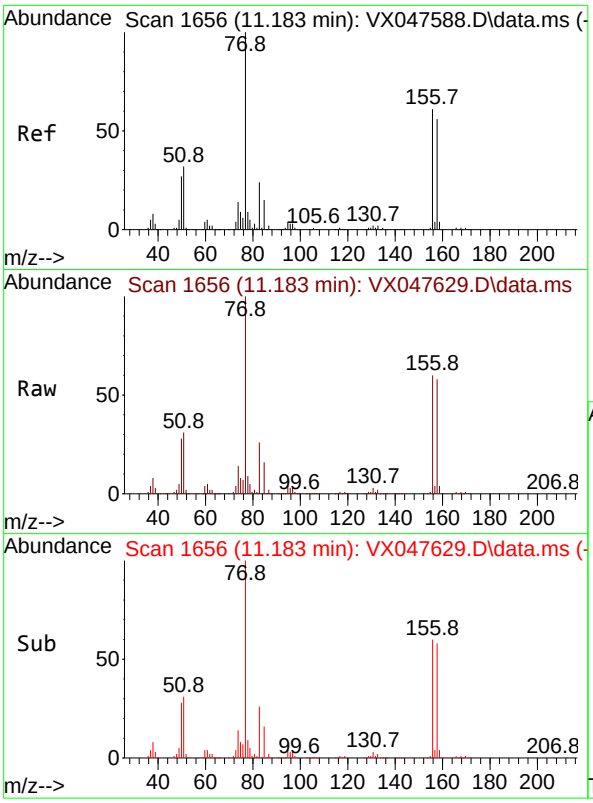


#76
1,2,3-Trichloropropane
Concen: 49.518 ug/l m
RT: 11.226 min Scan# 1663
Delta R.T. 0.006 min
Lab File: VX047629.D
Acq: 17 Sep 2025 19:01

Tgt Ion: 75 Resp: 124220

Ion	Ratio	Lower	Upper
75	100		
77	44.3	18.8	56.4





#77
Bromobenzene
Concen: 51.691 ug/l
RT: 11.183 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047629.D
Acq: 17 Sep 2025 19:01

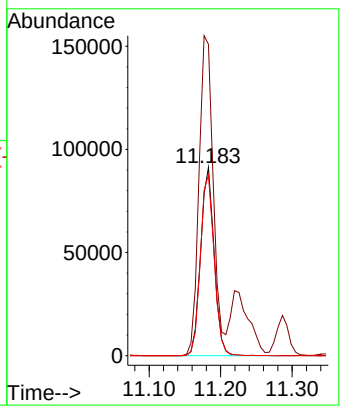
Tgt Ion:156 Resp: 11992

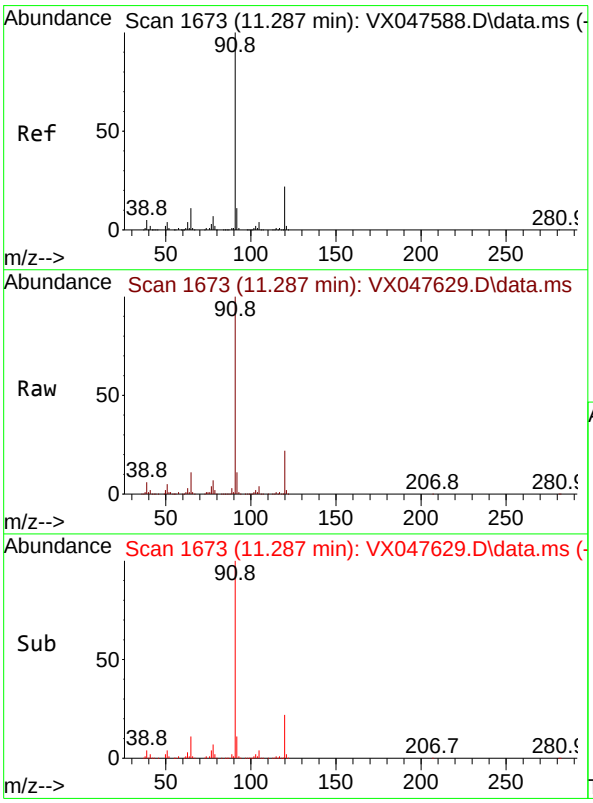
Ion	Ratio	Lower	Upper
156	100		
77	180.0	89.7	269.1
158	97.5	47.9	143.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

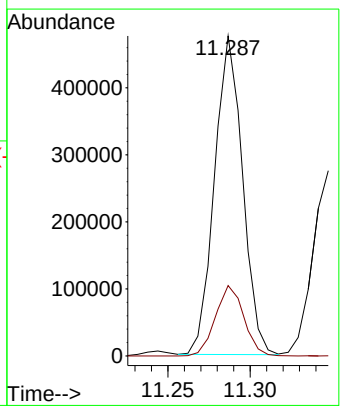


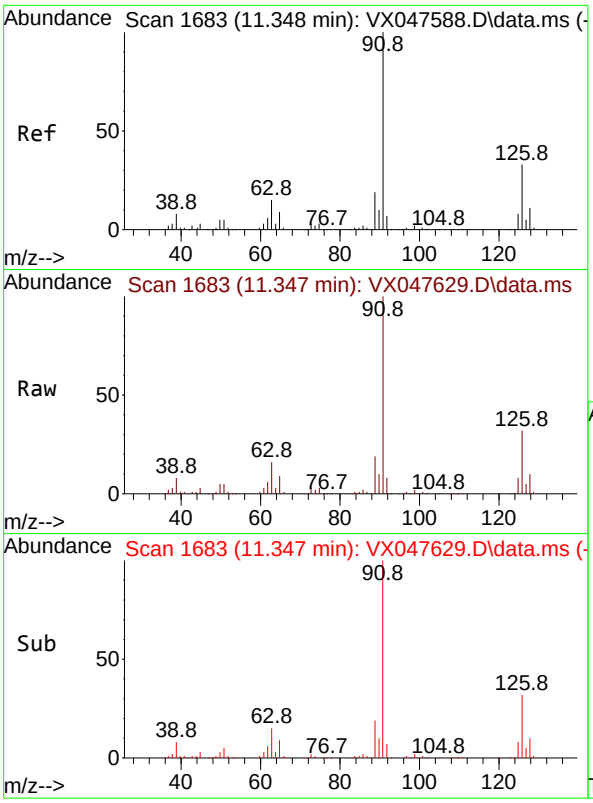


#78
n-propylbenzene
Concen: 50.641 ug/l
RT: 11.287 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX047629.D
Acq: 17 Sep 2025 19:01

Tgt Ion: 91 Resp: 563896

Ion	Ratio	Lower	Upper
91	100		
120	22.4	11.1	33.1





#79
2-Chlorotoluene
Concen: 51.169 ug/l
RT: 11.347 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047629.D
Acq: 17 Sep 2025 19:01

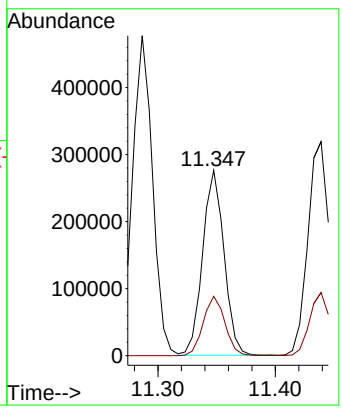
Tgt Ion: 91 Resp: 34897

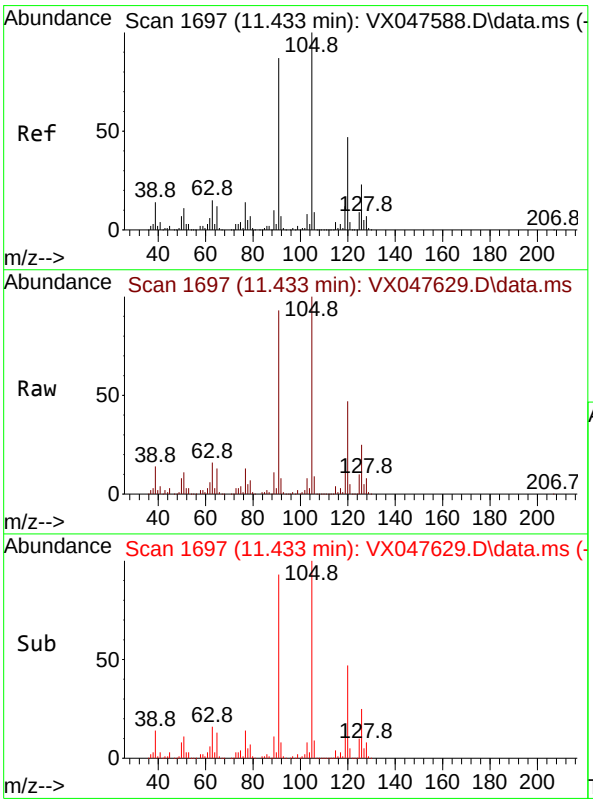
Ion	Ratio	Lower	Upper
91	100		
126	32.5	16.1	48.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

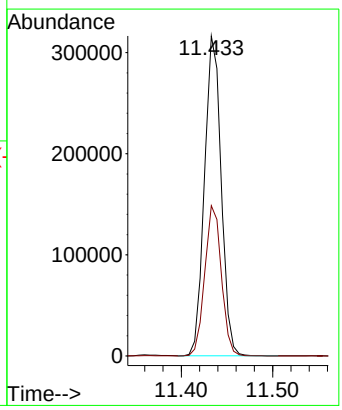


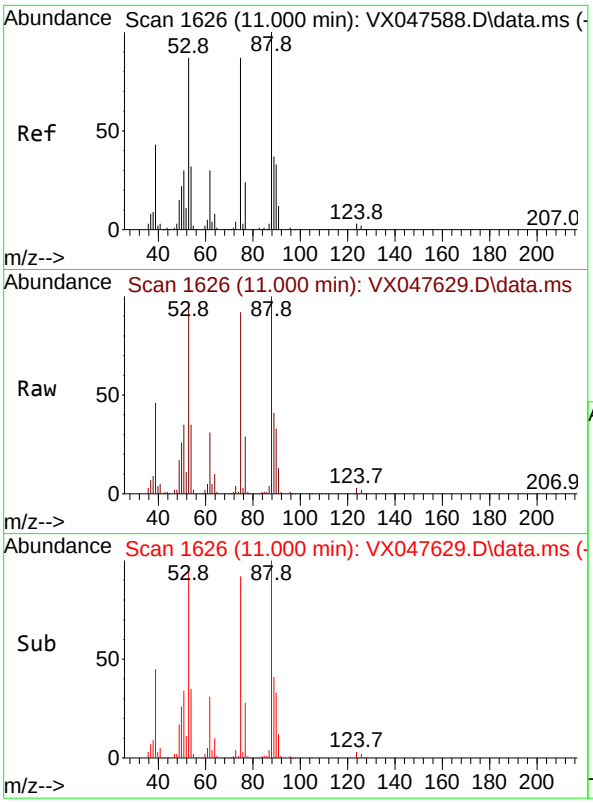


#80
1,3,5-Trimethylbenzene
Concen: 51.682 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX047629.D
Acq: 17 Sep 2025 19:01

Tgt Ion:105 Resp: 399966

Ion	Ratio	Lower	Upper
105	100		
120	46.8	23.6	70.8





#81
trans-1,4-Dichloro-2-butene
Concen: 51.857 ug/l
RT: 11.000 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047629.D
Acq: 17 Sep 2025 19:01

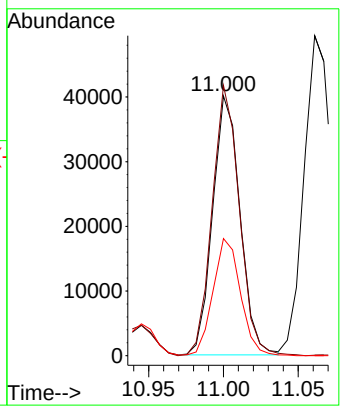
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

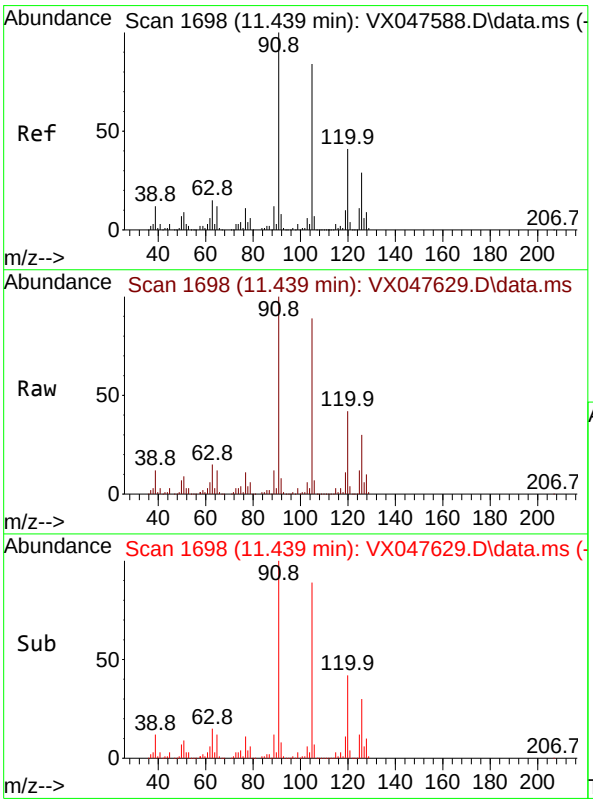
Tgt Ion: 75 Resp: 5101

Ion	Ratio	Lower	Upper
75	100		
53	103.6	83.4	125.2
89	45.4	36.3	54.5

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

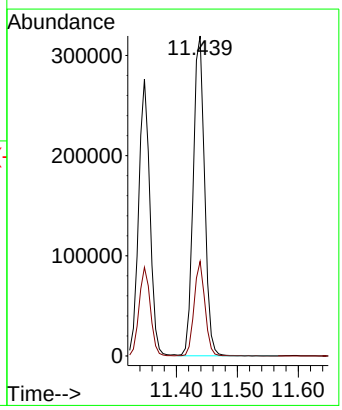


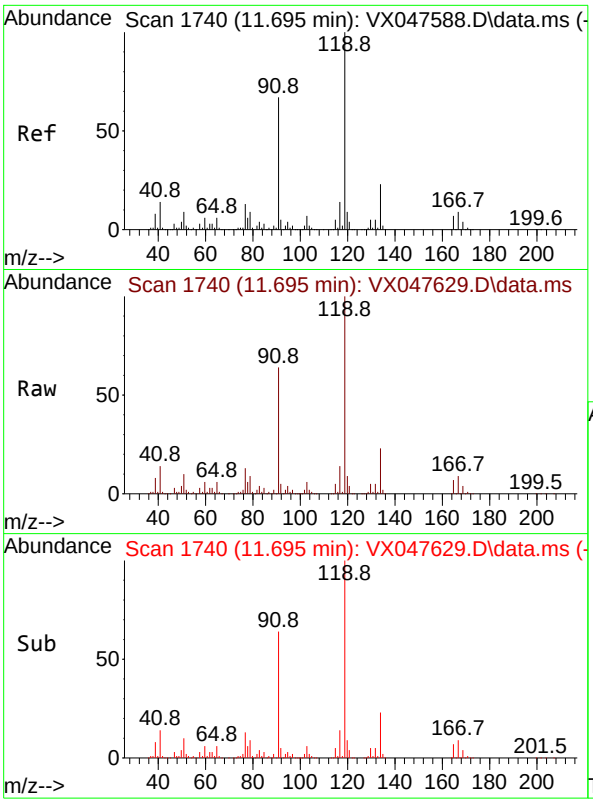


#82
4-Chlorotoluene
Concen: 51.230 ug/l
RT: 11.439 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VX047629.D
Acq: 17 Sep 2025 19:01

Tgt Ion: 91 Resp: 412649

Ion	Ratio	Lower	Upper
91	100		
126	28.2	14.2	42.6

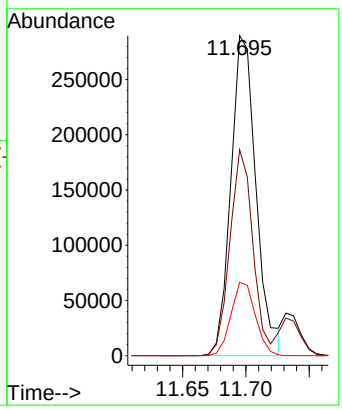




#83
tert-Butylbenzene
Concen: 50.716 ug/l
RT: 11.695 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047629.D
Acq: 17 Sep 2025 19:01

Tgt Ion:119 Resp: 40178

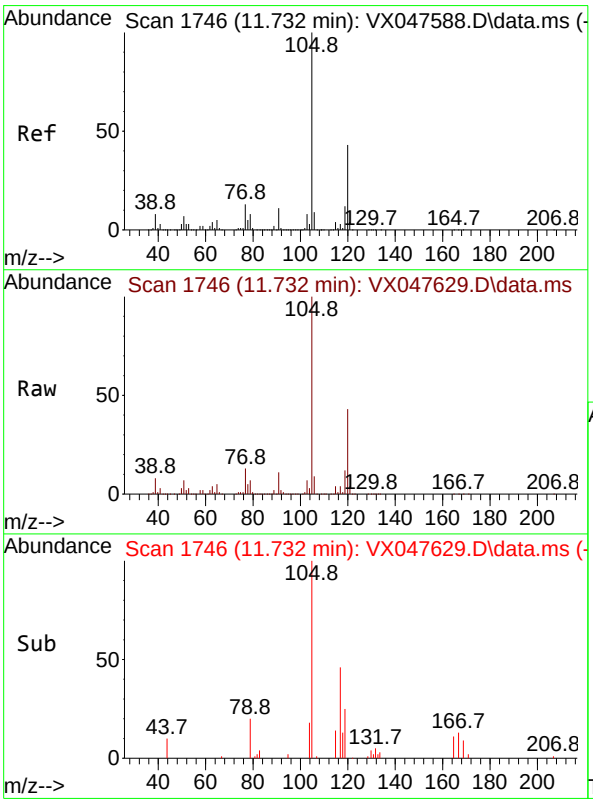
Ion	Ratio	Lower	Upper
119	100		
91	58.7	29.6	88.8
134	22.2	11.0	33.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

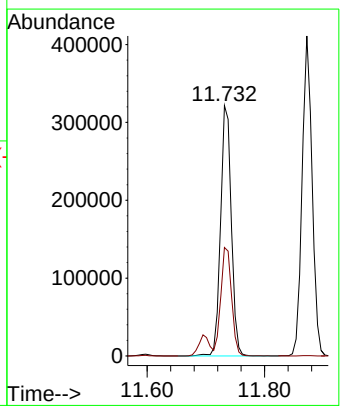
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

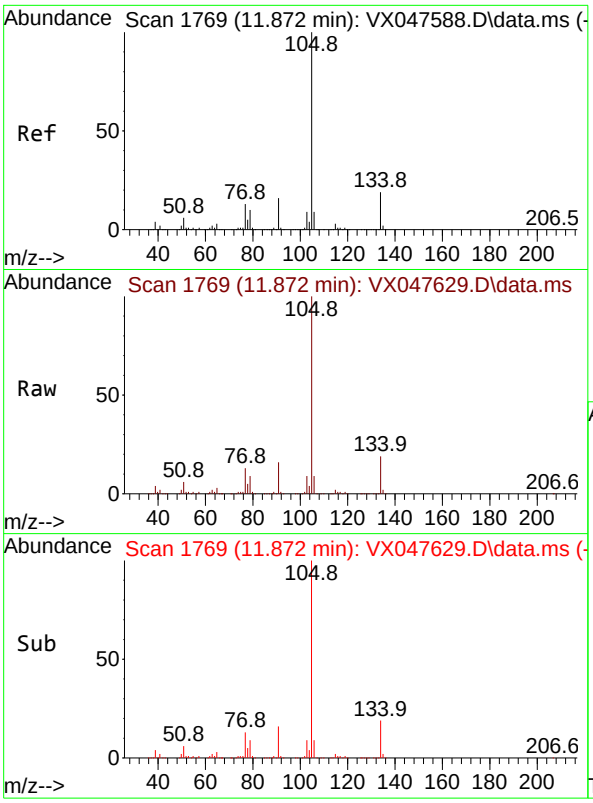


#84
1,2,4-Trimethylbenzene
Concen: 51.891 ug/l
RT: 11.732 min Scan# 1746
Delta R.T. -0.000 min
Lab File: VX047629.D
Acq: 17 Sep 2025 19:01

Tgt Ion:105 Resp: 407143

Ion	Ratio	Lower	Upper
105	100		
120	43.4	22.1	66.1

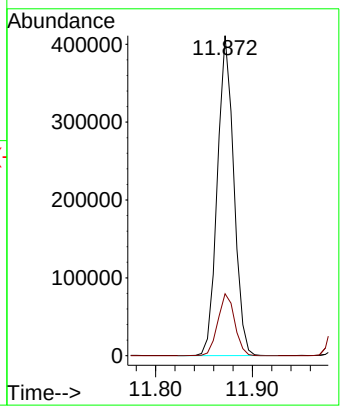




#85
sec-Butylbenzene
Concen: 51.394 ug/l
RT: 11.872 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047629.D
Acq: 17 Sep 2025 19:01

Tgt Ion:105 Resp: 48362

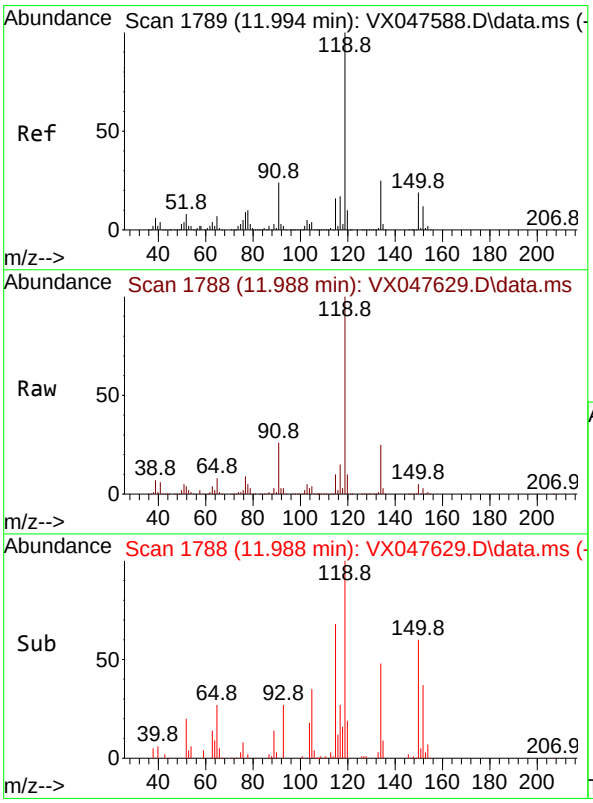
Ion	Ratio	Lower	Upper
105	100		
134	19.9	9.8	29.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

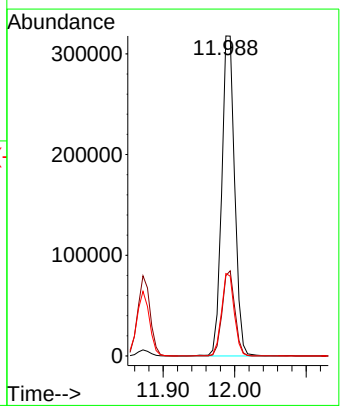
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

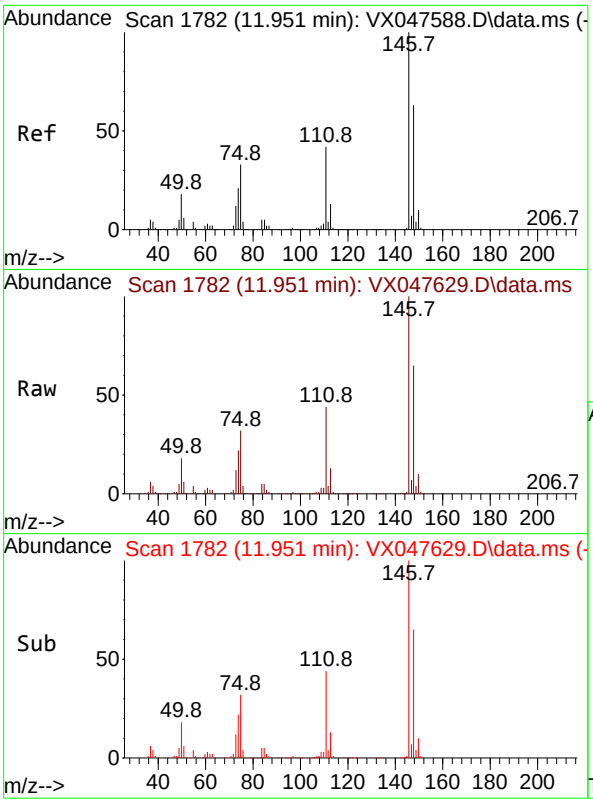


#86
p-Isopropyltoluene
Concen: 50.196 ug/l
RT: 11.988 min Scan# 1788
Delta R.T. -0.006 min
Lab File: VX047629.D
Acq: 17 Sep 2025 19:01

Tgt Ion:119 Resp: 399889

Ion	Ratio	Lower	Upper
119	100		
134	26.0	12.6	37.8
91	25.4	12.6	37.6

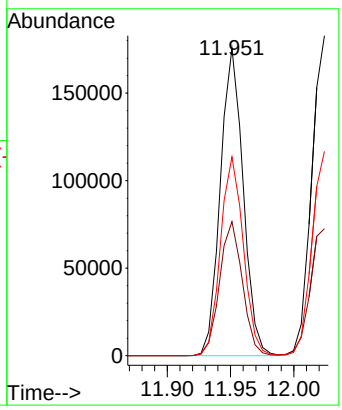




#87
1,3-Dichlorobenzene
Concen: 51.097 ug/l
RT: 11.951 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047629.D
Acq: 17 Sep 2025 19:01

Tgt Ion:146 Resp: 22018

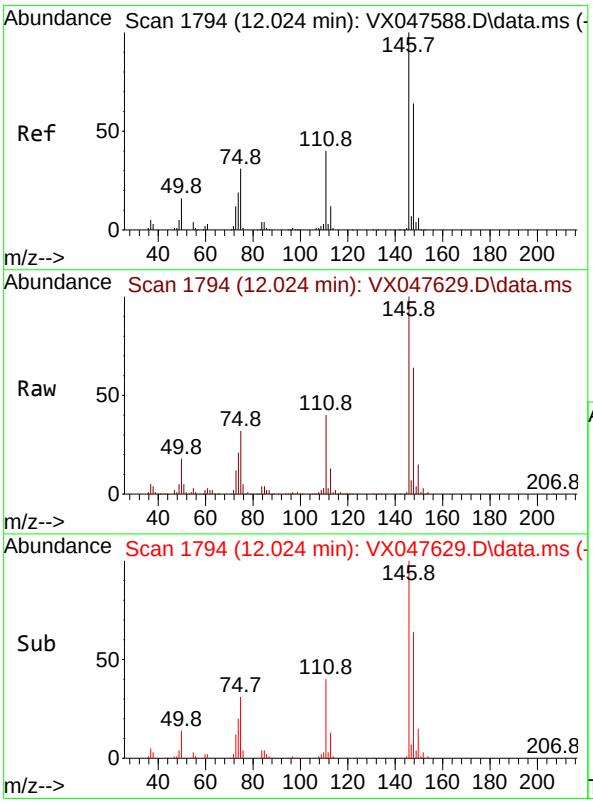
Ion	Ratio	Lower	Upper
146	100		
111	43.6	21.5	64.5
148	64.8	32.0	96.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

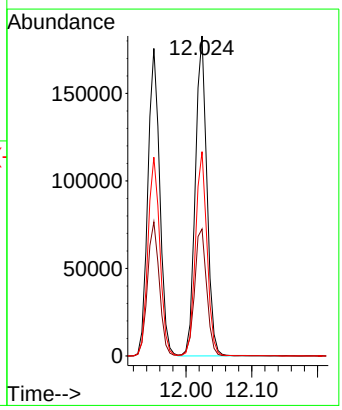
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

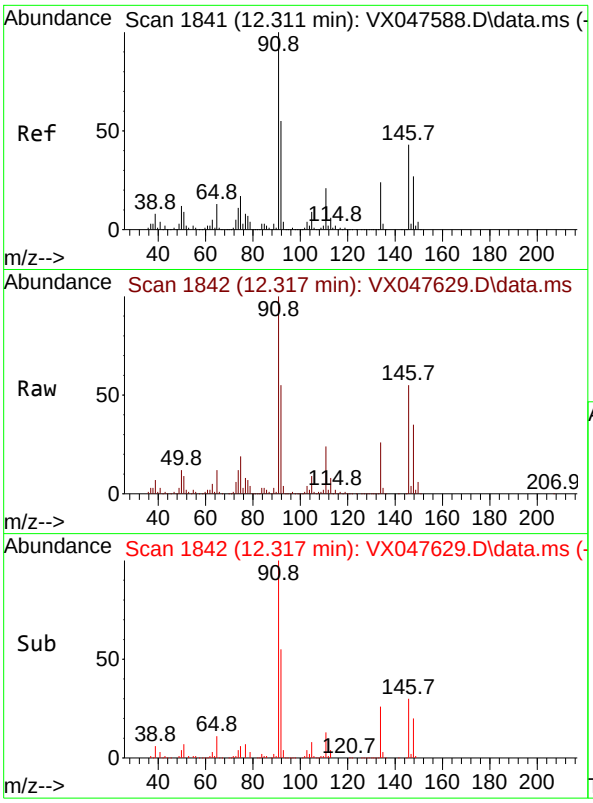


#88
1,4-Dichlorobenzene
Concen: 50.527 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX047629.D
Acq: 17 Sep 2025 19:01

Tgt Ion:146 Resp: 223463

Ion	Ratio	Lower	Upper
146	100		
111	41.6	20.8	62.4
148	63.6	31.7	95.1





#89
n-Butylbenzene
Concen: 50.449 ug/l
RT: 12.317 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047629.D
Acq: 17 Sep 2025 19:01

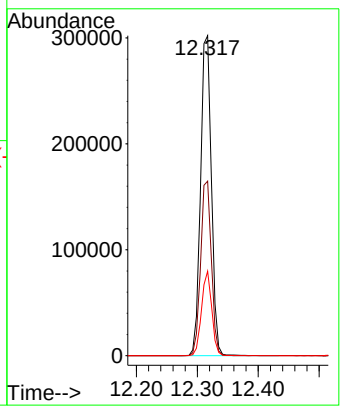
Tgt Ion: 91 Resp: 37188

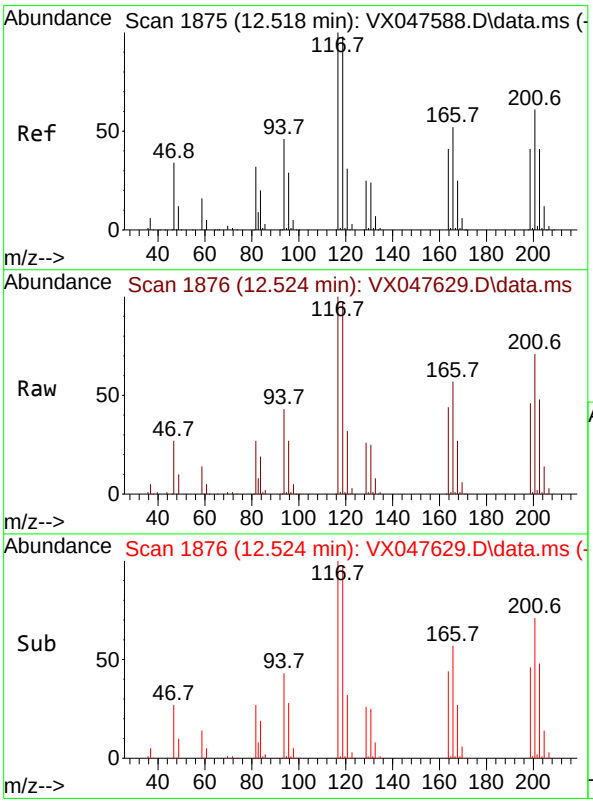
Ion	Ratio	Lower	Upper
91	100		
92	54.2	27.6	82.7
134	24.9	12.6	37.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

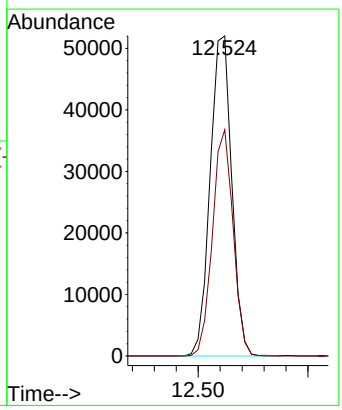


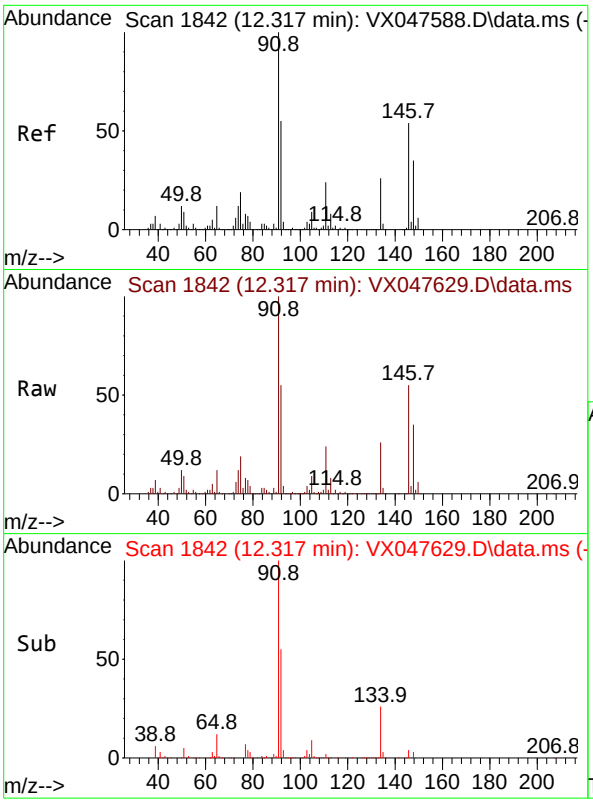


#90
Hexachloroethane
Concen: 50.939 ug/l
RT: 12.524 min Scan# 1876
Delta R.T. 0.006 min
Lab File: VX047629.D
Acq: 17 Sep 2025 19:01

Tgt Ion:117 Resp: 71248

Ion	Ratio	Lower	Upper
117	100		
201	67.6	34.2	102.5

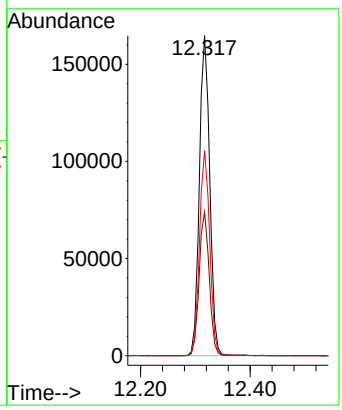




#91
1,2-Dichlorobenzene
Concen: 52.758 ug/l
RT: 12.317 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047629.D
Acq: 17 Sep 2025 19:01

Tgt Ion:146 Resp: 21659

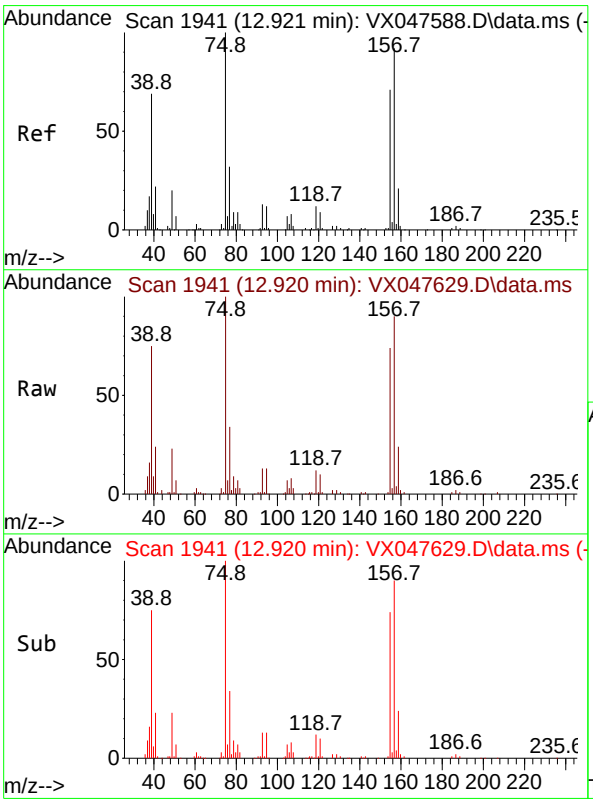
Ion	Ratio	Lower	Upper
146	100		
111	43.8	22.2	66.6
148	63.3	31.8	95.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

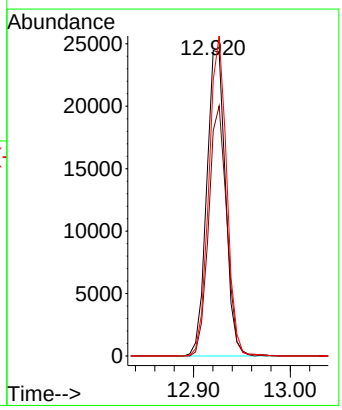
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

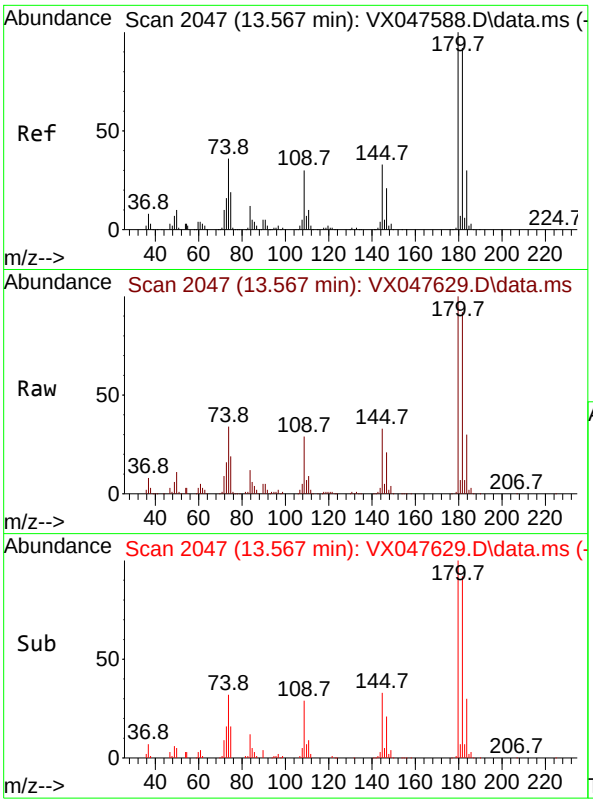


#92
1,2-Dibromo-3-Chloropropane
Concen: 57.378 ug/l
RT: 12.920 min Scan# 1941
Delta R.T. -0.000 min
Lab File: VX047629.D
Acq: 17 Sep 2025 19:01

Tgt Ion: 75 Resp: 33107

Ion	Ratio	Lower	Upper
75	100		
155	78.1	37.7	113.1
157	99.0	49.8	149.4

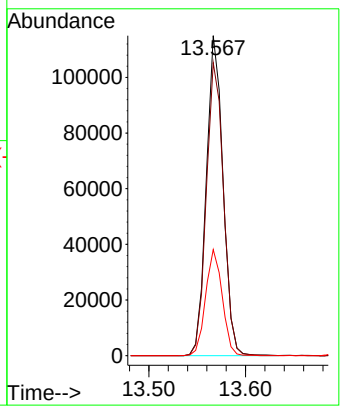




#93
1,2,4-Trichlorobenzene
Concen: 51.581 ug/l
RT: 13.567 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047629.D
Acq: 17 Sep 2025 19:01

Tgt Ion:180 Resp: 13762

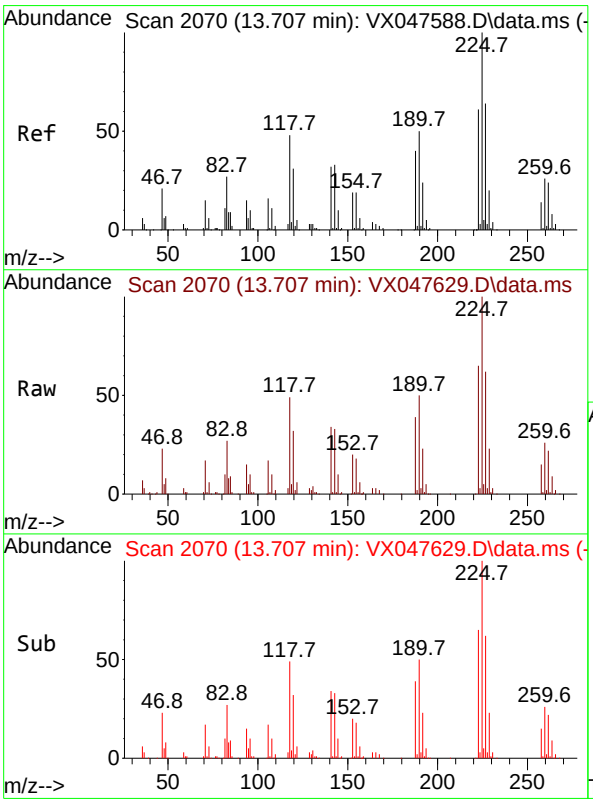
Ion	Ratio	Lower	Upper
180	100		
182	94.5	46.6	139.8
145	33.1	16.4	49.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

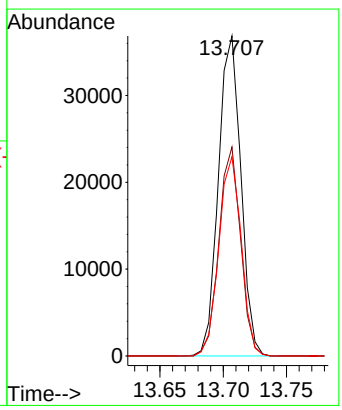
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

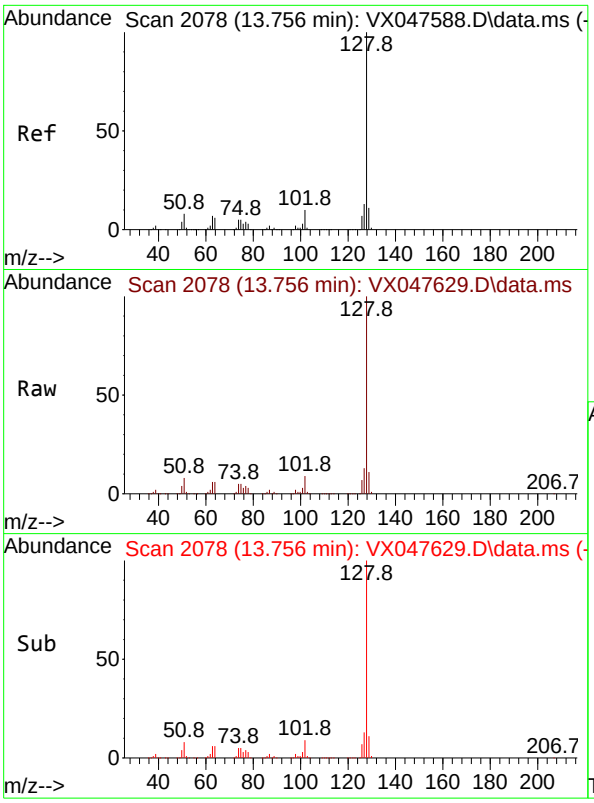


#94
Hexachlorobutadiene
Concen: 50.094 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. -0.000 min
Lab File: VX047629.D
Acq: 17 Sep 2025 19:01

Tgt Ion:225 Resp: 45399

Ion	Ratio	Lower	Upper
225	100		
223	62.9	31.7	95.1
227	62.0	32.0	96.0

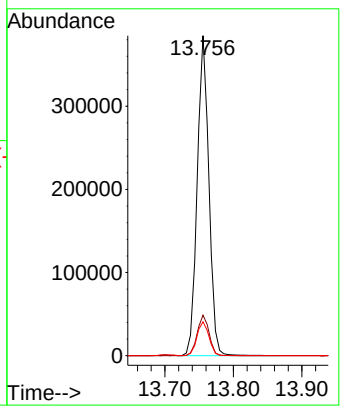




#95
Naphthalene
Concen: 56.148 ug/l
RT: 13.756 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047629.D
Acq: 17 Sep 2025 19:01

Tgt Ion:128 Resp: 45617

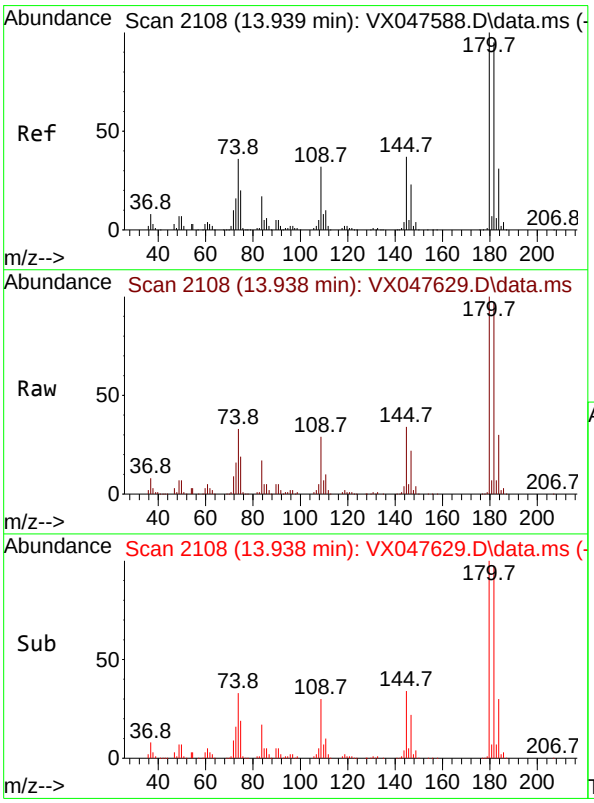
Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.2
129	11.0	8.8	13.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

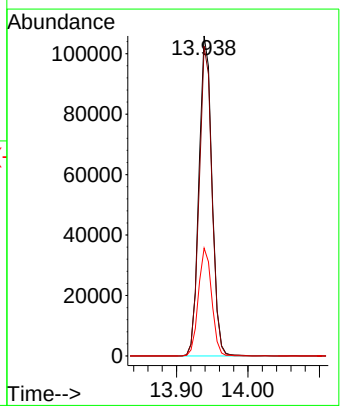
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025



#96
1,2,3-Trichlorobenzene
Concen: 53.618 ug/l
RT: 13.938 min Scan# 2108
Delta R.T. -0.000 min
Lab File: VX047629.D
Acq: 17 Sep 2025 19:01

Tgt Ion:180 Resp: 133075

Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.6	142.8
145	34.5	17.9	53.7



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091725\
Data File : VX047629.D
Acq On : 17 Sep 2025 19:01
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Sep 18 02:10:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	91	0.00
2	T	Dichlorodifluoromethane	0.518	0.446	13.9	81	0.00
3	P	Chloromethane	0.680	0.611	10.1	85	0.00
4	C	Vinyl Chloride	0.666	0.632	5.1#	87	0.00
5	T	Bromomethane	0.422	0.425	-0.7	92	0.00
6	T	Chloroethane	0.445	0.429	3.6	89	0.00
7	T	Trichlorofluoromethane	0.989	0.939	5.1	86	0.00
8	T	Diethyl Ether	0.405	0.420	-3.7	94	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.578	0.553	4.3	87	0.00
10	T	Methyl Iodide	0.902	0.886	1.8	89	0.00
11	T	Tert butyl alcohol	0.089	0.102	-14.6	104	0.00
12	CM	1,1-Dichloroethene	0.594	0.575	3.2#	87	0.00
13	T	Acrolein	0.082	0.114	-39.0#	128	0.00
14	T	Allyl chloride	1.226	1.206	1.6	91	0.00
15	T	Acrylonitrile	0.328	0.390	-18.9	103	0.00
16	T	Acetone	0.346	0.309	10.7	89	0.00
17	T	Carbon Disulfide	1.626	1.466	9.8	86	0.00
18	T	Methyl Acetate	0.770	1.014	-31.7#	106	0.00
19	T	Methyl tert-butyl Ether	2.169	2.345	-8.1	95	0.00
20	T	Methylene Chloride	0.732	0.737	-0.7	92	0.00
21	T	trans-1,2-Dichloroethene	0.640	0.643	-0.5	91	0.00
22	T	Diisopropyl ether	2.376	2.529	-6.4	93	0.00
23	T	Vinyl Acetate	1.901	2.094	-10.2	96	0.00
24	P	1,1-Dichloroethane	1.263	1.313	-4.0	93	0.00
25	T	2-Butanone	0.432	0.483	-11.8	101	0.00
26	T	2,2-Dichloropropane	1.050	0.915	12.9	78	0.00
27	T	cis-1,2-Dichloroethene	0.783	0.815	-4.1	92	0.00
28	T	Bromochloromethane	0.551	0.595	-8.0	94	0.00
29	T	Tetrahydrofuran	0.260	0.311	-19.6	103	0.00
30	C	Chloroform	1.276	1.353	-6.0#	94	0.00
31	T	Cyclohexane	1.052	0.996	5.3	88	0.00
32	T	1,1,1-Trichloroethane	1.082	1.124	-3.9	91	0.00
33	S	1,2-Dichloroethane-d4	0.796	0.816	-2.5	97	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	95	0.00
35	S	Dibromofluoromethane	0.335	0.335	0.0	96	0.00
36	T	1,1-Dichloropropene	0.490	0.457	6.7	89	0.00
37	T	Ethyl Acetate	0.525	0.567	-8.0	101	0.00
38	T	Carbon Tetrachloride	0.532	0.507	4.7	89	0.00
39	T	Methylcyclohexane	0.556	0.507	8.8	85	0.00
40	TM	Benzene	1.488	1.493	-0.3	93	0.00
41	T	Methacrylonitrile	0.271	0.303	-11.8	101	0.00
42	TM	1,2-Dichloroethane	0.566	0.567	-0.2	93	0.00
43	T	Isopropyl Acetate	0.860	0.941	-9.4	100	0.00
44	TM	Trichloroethene	0.360	0.362	-0.6	93	0.00
45	C	1,2-Dichloropropane	0.381	0.395	-3.7#	95	0.00
46	T	Dibromomethane	0.277	0.283	-2.2	94	0.00
47	T	Bromodichloromethane	0.572	0.595	-4.0	93	0.00
48	T	Methyl methacrylate	0.429	0.476	-11.0	101	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091725\
Data File : VX047629.D
Acq On : 17 Sep 2025 19:01
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Sep 18 02:10:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 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	0.004	0.006	-50.0#	117	0.00
50	S	Toluene-d8	1.160	1.177	-1.5	98	0.00
51	T	4-Methyl-2-Pentanone	0.477	0.561	-17.6	104	0.00
52	CM	Toluene	0.917	0.929	-1.3#	94	0.00
53	T	t-1,3-Dichloropropene	0.584	0.597	-2.2	92	0.00
54	T	cis-1,3-Dichloropropene	0.624	0.638	-2.2	93	0.00
55	T	1,1,2-Trichloroethane	0.354	0.377	-6.5	98	0.00
56	T	Ethyl methacrylate	0.555	0.628	-13.2	100	0.00
57	T	1,3-Dichloropropane	0.607	0.650	-7.1	97	0.00
58	T	2-Chloroethyl Vinyl ether	0.227	0.276	-21.6	96	0.00
59	T	2-Hexanone	0.343	0.392	-14.3	104	0.00
60	T	Dibromochloromethane	0.407	0.435	-6.9	95	0.00
61	T	1,2-Dibromoethane	0.360	0.394	-9.4	99	0.00
62	S	4-Bromofluorobenzene	0.440	0.445	-1.1	99	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	97	0.00
64	T	Tetrachloroethene	0.326	0.317	2.8	94	0.00
65	PM	Chlorobenzene	1.136	1.148	-1.1	95	0.00
66	T	1,1,1,2-Tetrachloroethane	0.392	0.404	-3.1	95	0.00
67	C	Ethyl Benzene	1.960	1.965	-0.3#	94	0.00
68	T	m/p-Xylenes	0.729	0.740	-1.5	94	0.00
69	T	o-Xylene	0.706	0.722	-2.3	94	0.00
70	T	Styrene	1.236	1.271	-2.8	95	0.00
71	P	Bromoform	0.293	0.309	-5.5	96	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	97	0.00
73	T	Isopropylbenzene	3.801	3.902	-2.7	94	0.00
74	T	N-amyl acetate	1.733	1.950	-12.5	102	0.00
75	P	1,1,2,2-Tetrachloroethane	1.150	1.278	-11.1	101	0.00
76	T	1,2,3-Trichloropropane	1.012	1.003	0.9	86	0.00
77	T	Bromobenzene	0.936	0.968	-3.4	95	0.00
78	T	n-propylbenzene	4.494	4.551	-1.3	92	0.00
79	T	2-Chlorotoluene	2.752	2.817	-2.4	94	0.00
80	T	1,3,5-Trimethylbenzene	3.123	3.228	-3.4	94	0.00
81	T	trans-1,4-Dichloro-2-butene	0.397	0.412	-3.8	96	0.00
82	T	4-Chlorotoluene	3.251	3.331	-2.5	94	0.00
83	T	tert-Butylbenzene	3.197	3.243	-1.4	94	0.00
84	T	1,2,4-Trimethylbenzene	3.166	3.286	-3.8	95	0.00
85	T	sec-Butylbenzene	3.797	3.903	-2.8	94	0.00
86	T	p-Isopropyltoluene	3.215	3.228	-0.4	92	0.00
87	T	1,3-Dichlorobenzene	1.739	1.777	-2.2	95	0.00
88	T	1,4-Dichlorobenzene	1.785	1.804	-1.1	96	0.00
89	T	n-Butylbenzene	2.975	3.002	-0.9	93	0.00
90	T	Hexachloroethane	0.564	0.575	-2.0	94	0.00
91	T	1,2-Dichlorobenzene	1.657	1.748	-5.5	97	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.233	0.267	-14.6	102	0.00
93	T	1,2,4-Trichlorobenzene	1.077	1.111	-3.2	93	0.00
94	T	Hexachlorobutadiene	0.366	0.366	0.0	93	0.00
95	T	Naphthalene	3.279	3.682	-12.3	101	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091725\
Data File : VX047629.D
Acq On : 17 Sep 2025 19:01
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Sep 18 02:10:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 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	1.002	1.074	-7.2	96	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091725\
Data File : VX047629.D
Acq On : 17 Sep 2025 19:01
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Sep 18 02:10:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	91	0.00
2	T	Dichlorodifluoromethane	50.000	43.100	13.8	81	0.00
3	P	Chloromethane	50.000	44.917	10.2	85	0.00
4	C	Vinyl Chloride	50.000	47.414	5.2#	87	0.00
5	T	Bromomethane	50.000	50.299	-0.6	92	0.00
6	T	Chloroethane	50.000	48.234	3.5	89	0.00
7	T	Trichlorofluoromethane	50.000	47.473	5.1	86	0.00
8	T	Diethyl Ether	50.000	51.915	-3.8	94	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	47.840	4.3	87	0.00
10	T	Methyl Iodide	50.000	49.129	1.7	89	0.00
11	T	Tert butyl alcohol	250.000	286.736	-14.7	104	0.00
12	CM	1,1-Dichloroethene	50.000	48.398	3.2#	87	0.00
13	T	Acrolein	250.000	348.634	-39.5#	128	0.00
14	T	Allyl chloride	50.000	49.177	1.6	91	0.00
15	T	Acrylonitrile	250.000	296.803	-18.7	103	0.00
16	T	Acetone	250.000	223.121	10.8	89	0.00
17	T	Carbon Disulfide	50.000	45.064	9.9	86	0.00
18	T	Methyl Acetate	50.000	65.810	-31.6#	106	0.00
19	T	Methyl tert-butyl Ether	50.000	54.077	-8.2	95	0.00
20	T	Methylene Chloride	50.000	50.308	-0.6	92	0.00
21	T	trans-1,2-Dichloroethene	50.000	50.301	-0.6	91	0.00
22	T	Diisopropyl ether	50.000	53.219	-6.4	93	0.00
23	T	Vinyl Acetate	250.000	275.264	-10.1	96	0.00
24	P	1,1-Dichloroethane	50.000	51.993	-4.0	93	0.00
25	T	2-Butanone	250.000	279.960	-12.0	101	0.00
26	T	2,2-Dichloropropane	50.000	43.574	12.9	78	0.00
27	T	cis-1,2-Dichloroethene	50.000	52.031	-4.1	92	0.00
28	T	Bromochloromethane	50.000	53.925	-7.8	94	0.00
29	T	Tetrahydrofuran	250.000	299.524	-19.8	103	0.00
30	C	Chloroform	50.000	53.027	-6.1#	94	0.00
31	T	Cyclohexane	50.000	47.373	5.3	88	0.00
32	T	1,1,1-Trichloroethane	50.000	51.907	-3.8	91	0.00
33	S	1,2-Dichloroethane-d4	50.000	51.280	-2.6	97	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	95	0.00
35	S	Dibromofluoromethane	50.000	49.897	0.2	96	0.00
36	T	1,1-Dichloropropene	50.000	46.610	6.8	89	0.00
37	T	Ethyl Acetate	50.000	54.084	-8.2	101	0.00
38	T	Carbon Tetrachloride	50.000	47.609	4.8	89	0.00
39	T	Methylcyclohexane	50.000	45.546	8.9	85	0.00
40	TM	Benzene	50.000	50.154	-0.3	93	0.00
41	T	Methacrylonitrile	50.000	55.897	-11.8	101	0.00
42	TM	1,2-Dichloroethane	50.000	50.034	-0.1	93	0.00
43	T	Isopropyl Acetate	50.000	54.664	-9.3	100	0.00
44	TM	Trichloroethene	50.000	50.271	-0.5	93	0.00
45	C	1,2-Dichloropropane	50.000	51.865	-3.7#	95	0.00
46	T	Dibromomethane	50.000	51.058	-2.1	94	0.00
47	T	Bromodichloromethane	50.000	51.947	-3.9	93	0.00
48	T	Methyl methacrylate	50.000	55.559	-11.1	101	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091725\
Data File : VX047629.D
Acq On : 17 Sep 2025 19:01
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Sep 18 02:10:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 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	1368.143	-36.8#	117	0.00
50	S	Toluene-d8	50.000	50.700	-1.4	98	0.00
51	T	4-Methyl-2-Pentanone	250.000	293.767	-17.5	104	0.00
52	CM	Toluene	50.000	50.647	-1.3#	94	0.00
53	T	t-1,3-Dichloropropene	50.000	51.153	-2.3	92	0.00
54	T	cis-1,3-Dichloropropene	50.000	51.132	-2.3	93	0.00
55	T	1,1,2-Trichloroethane	50.000	53.343	-6.7	98	0.00
56	T	Ethyl methacrylate	50.000	56.580	-13.2	100	0.00
57	T	1,3-Dichloropropane	50.000	53.484	-7.0	97	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	259.768	-3.9	96	0.00
59	T	2-Hexanone	250.000	286.357	-14.5	104	0.00
60	T	Dibromochloromethane	50.000	53.396	-6.8	95	0.00
61	T	1,2-Dibromoethane	50.000	54.651	-9.3	99	0.00
62	S	4-Bromofluorobenzene	50.000	50.473	-0.9	99	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	97	0.00
64	T	Tetrachloroethene	50.000	48.615	2.8	94	0.00
65	PM	Chlorobenzene	50.000	50.542	-1.1	95	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	51.489	-3.0	95	0.00
67	C	Ethyl Benzene	50.000	50.124	-0.2#	94	0.00
68	T	m/p-Xylenes	100.000	101.396	-1.4	94	0.00
69	T	o-Xylene	50.000	51.181	-2.4	94	0.00
70	T	Styrene	50.000	51.401	-2.8	95	0.00
71	P	Bromoform	50.000	52.869	-5.7	96	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	97	0.00
73	T	Isopropylbenzene	50.000	51.323	-2.6	94	0.00
74	T	N-amyl acetate	50.000	56.259	-12.5	102	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	55.582	-11.2	101	0.00
76	T	1,2,3-Trichloropropane	50.000	49.518	1.0	86	0.00
77	T	Bromobenzene	50.000	51.691	-3.4	95	0.00
78	T	n-propylbenzene	50.000	50.641	-1.3	92	0.00
79	T	2-Chlorotoluene	50.000	51.169	-2.3	94	0.00
80	T	1,3,5-Trimethylbenzene	50.000	51.682	-3.4	94	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	51.857	-3.7	96	0.00
82	T	4-Chlorotoluene	50.000	51.230	-2.5	94	0.00
83	T	tert-Butylbenzene	50.000	50.716	-1.4	94	0.00
84	T	1,2,4-Trimethylbenzene	50.000	51.891	-3.8	95	0.00
85	T	sec-Butylbenzene	50.000	51.394	-2.8	94	0.00
86	T	p-Isopropyltoluene	50.000	50.196	-0.4	92	0.00
87	T	1,3-Dichlorobenzene	50.000	51.097	-2.2	95	0.00
88	T	1,4-Dichlorobenzene	50.000	50.527	-1.1	96	0.00
89	T	n-Butylbenzene	50.000	50.449	-0.9	93	0.00
90	T	Hexachloroethane	50.000	50.939	-1.9	94	0.00
91	T	1,2-Dichlorobenzene	50.000	52.758	-5.5	97	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	57.378	-14.8	102	0.00
93	T	1,2,4-Trichlorobenzene	50.000	51.581	-3.2	93	0.00
94	T	Hexachlorobutadiene	50.000	50.094	-0.2	93	0.00
95	T	Naphthalene	50.000	56.148	-12.3	101	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091725\
Data File : VX047629.D
Acq On : 17 Sep 2025 19:01
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Sep 18 02:10:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 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	53.618	-7.2	96	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:	Alliance	Contract:	AECO15
Lab Code:	ACE	SDG No.:	Q3095
Instrument ID:	MSVOA_X	Calibration Date/Time:	09/18/2025 11:30
Lab File ID:	VX047631.D	Init. Calib. Date(s):	09/16/2025 09/16/2025
Heated Purge: (Y/N)	N	Init. Calib. Time(s):	09:23 12:01

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.518	0.628		21.24	20
Chloromethane	0.680	0.746	0.1	9.71	20
Vinyl Chloride	0.666	0.733		10.06	20
Bromomethane	0.422	0.455		7.82	20
Chloroethane	0.445	0.461		3.6	20
Trichlorofluoromethane	0.989	1.010		2.12	20
1,1,2-Trichlorotrifluoroethane	0.578	0.587		1.56	20
1,1-Dichloroethene	0.594	0.605		1.85	20
Acetone	0.346	0.404		16.76	20
Carbon Disulfide	1.626	1.789		10.02	20
Methyl tert-butyl Ether	2.169	2.130		-1.8	20
Methyl Acetate	0.770	0.761		-1.17	20
Methylene Chloride	0.732	0.699		-4.51	20
trans-1,2-Dichloroethene	0.640	0.655		2.34	20
1,1-Dichloroethane	1.263	1.244	0.1	-1.5	20
Cyclohexane	1.052	1.079		2.57	20
2-Butanone	0.432	0.471		9.03	20
Carbon Tetrachloride	0.532	0.514		-3.38	20
cis-1,2-Dichloroethene	0.783	0.777		-0.77	20
Bromochloromethane	0.551	0.563		2.18	20
Chloroform	1.276	1.249		-2.12	20
1,1,1-Trichloroethane	1.082	1.070		-1.11	20
Methylcyclohexane	0.556	0.565		1.62	20
Benzene	1.488	1.458		-2.02	20
1,2-Dichloroethane	0.566	0.532		-6.01	20
Trichloroethene	0.360	0.361		0.28	20
1,2-Dichloropropane	0.381	0.370		-2.89	20
Bromodichloromethane	0.572	0.548		-4.2	20
4-Methyl-2-Pentanone	0.477	0.493		3.35	20
Toluene	0.917	0.902		-1.64	20
t-1,3-Dichloropropene	0.584	0.574		-1.71	20
cis-1,3-Dichloropropene	0.624	0.620		-0.64	20
1,1,2-Trichloroethane	0.354	0.342		-3.39	20
2-Hexanone	0.343	0.365		6.41	20
Dibromochloromethane	0.407	0.403		-0.98	20
1,2-Dibromoethane	0.360	0.364		1.11	20
Tetrachloroethene	0.326	0.324		-0.61	20
Chlorobenzene	1.136	1.105	0.3	-2.73	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance | Contract: AECO15

Lab Code: ACE | SDG No.: Q3095

Instrument ID: MSVOA_X | Calibration Date/Time: 09/18/2025 11:30

Lab File ID: VX047631.D | Init. Calib. Date(s): 09/16/2025 09/16/2025

Heated Purge: (Y/N) N | Init. Calib. Time(s): 09:23 12:01

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.960	1.938		-1.12	20
m/p-Xylenes	0.729	0.727		-0.27	20
o-Xylene	0.706	0.706		0	20
Styrene	1.236	1.217		-1.54	20
Bromoform	0.293	0.288	0.1	-1.71	20
Isopropylbenzene	3.801	3.740		-1.61	20
1,1,2,2-Tetrachloroethane	1.150	1.146	0.3	-0.35	20
1,3-Dichlorobenzene	1.739	1.679		-3.45	20
1,4-Dichlorobenzene	1.785	1.687		-5.49	20
1,2-Dichlorobenzene	1.657	1.620		-2.23	20
1,2-Dibromo-3-Chloropropane	0.233	0.239		2.58	20
1,2,4-Trichlorobenzene	1.077	1.063		-1.3	20
1,2,3-Trichlorobenzene	1.002	0.981		-2.1	20
1,2-Dichloroethane-d4	0.796	0.745		-6.41	20
Dibromofluoromethane	0.335	0.325		-2.98	20
Toluene-d8	1.160	1.135		-2.15	20
4-Bromofluorobenzene	0.440	0.422		-4.09	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\VX091825\
Data File : VX047631.D
Acq On : 18 Sep 2025 11:30
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 19 01:18:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.537	168	179219	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	321960	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	285408	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	137093	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.934	65	133509	46.801	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 93.600%			
35) Dibromofluoromethane	5.373	113	104494	48.394	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 96.780%			
50) Toluene-d8	8.634	98	365497	48.919	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 97.840%			
62) 4-Bromofluorobenzene	11.061	95	135773	47.883	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 95.760%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.172	85	112469	60.603	ug/l	98
3) Chloromethane	1.300	50	133746	54.835	ug/l	100
4) Vinyl Chloride	1.380	62	131332	55.006	ug/l	98
5) Bromomethane	1.617	94	81557	53.868	ug/l	98
6) Chloroethane	1.697	64	82584	51.751	ug/l	100
7) Trichlorofluoromethane	1.892	101	181094	51.083	ug/l	99
8) Diethyl Ether	2.136	74	72148	49.751	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.331	101	105234	50.766	ug/l	99
10) Methyl Iodide	2.453	142	165913	51.320	ug/l	100
11) Tert butyl alcohol	2.940	59	77642	244.375	ug/l	99
12) 1,1-Dichloroethene	2.325	96	108445	50.930	ug/l	94
13) Acrolein	2.233	56	89861	306.922	ug/l	99
14) Allyl chloride	2.666	41	213542	48.600	ug/l	98
15) Acrylonitrile	3.056	53	305844	259.885	ug/l	100
16) Acetone	2.373	43	362257	292.056	ug/l	99
17) Carbon Disulfide	2.514	76	320639	55.006	ug/l	99
18) Methyl Acetate	2.697	43	136380	49.405	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	381657	49.101	ug/l	100
20) Methylene Chloride	2.788	84	125318	47.731	ug/l	97
21) trans-1,2-Dichloroethene	3.093	96	117420	51.220	ug/l	96
22) Diisopropyl ether	3.751	45	416753	48.941	ug/l	90
23) Vinyl Acetate	3.709	43	1774856	260.421	ug/l	100
24) 1,1-Dichloroethane	3.605	63	222896	49.247	ug/l	100
25) 2-Butanone	4.538	43	422101	272.815	ug/l	97
26) 2,2-Dichloropropane	4.465	77	184735	49.101	ug/l	99
27) cis-1,2-Dichloroethene	4.477	96	139251	49.600	ug/l	99
28) Bromochloromethane	4.885	49	100955	51.092	ug/l	99
29) Tetrahydrofuran	4.989	42	246583	264.926	ug/l	99
30) Chloroform	5.080	83	223876	48.949	ug/l	98
31) Cyclohexane	5.458	56	193321	51.284	ug/l	96
32) 1,1,1-Trichloroethane	5.367	97	191681	49.409	ug/l	99
36) 1,1-Dichloropropene	5.678	75	152850	48.444	ug/l	99
37) Ethyl Acetate	4.696	43	169417	50.149	ug/l	99
38) Carbon Tetrachloride	5.659	117	165399	48.248	ug/l	99
39) Methylcyclohexane	7.366	83	181893	50.786	ug/l	97
40) Benzene	6.019	78	469333	48.975	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091825\
Data File : VX047631.D
Acq On : 18 Sep 2025 11:30
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 19 01:18:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	4.903	41	87695	50.282 ug/l	98
42) 1,2-Dichloroethane	6.068	62	171157	46.941 ug/l	98
43) Isopropyl Acetate	6.318	43	277550	50.094 ug/l	99
44) Trichloroethene	7.110	130	116097	50.110 ug/l	95
45) 1,2-Dichloropropane	7.415	63	119090	48.532 ug/l	100
46) Dibromomethane	7.562	93	85677	47.980 ug/l	96
47) Bromodichloromethane	7.805	83	176333	47.854 ug/l	99
48) Methyl methacrylate	7.677	41	139596	50.581 ug/l	99
49) 1,4-Dioxane	7.647	88	32682	1171.777 ug/l	98
51) 4-Methyl-2-Pentanone	8.555	43	793483	258.300 ug/l	100
52) Toluene	8.702	92	290542	49.210 ug/l	99
53) t-1,3-Dichloropropene	8.964	75	184740	49.152 ug/l	99
54) cis-1,3-Dichloropropene	8.348	75	199468	49.652 ug/l	98
55) 1,1,2-Trichloroethane	9.134	97	110094	48.359 ug/l	99
56) Ethyl methacrylate	9.098	69	183269	51.260 ug/l	98
57) 1,3-Dichloropropane	9.293	76	193940	49.591 ug/l	98
58) 2-Chloroethyl Vinyl ether	8.226	63	431737	252.582 ug/l	99
59) 2-Hexanone	9.415	43	586823	265.979 ug/l	99
60) Dibromochloromethane	9.506	129	129710	49.448 ug/l	99
61) 1,2-Dibromoethane	9.592	107	117208	50.547 ug/l	99
64) Tetrachloroethene	9.256	164	92448	49.688 ug/l	99
65) Chlorobenzene	10.061	112	315492	48.658 ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.146	131	108173	48.347 ug/l	99
67) Ethyl Benzene	10.177	91	553172	49.445 ug/l	99
68) m/p-Xylenes	10.287	106	414989	99.659 ug/l	99
69) o-Xylene	10.622	106	201624	50.060 ug/l	98
70) Styrene	10.640	104	347448	49.233 ug/l	99
71) Bromoform	10.780	173	82158	49.177 ug/l #	99
73) Isopropylbenzene	10.945	105	512701	49.191 ug/l	100
74) N-amyl acetate	10.823	43	242616	51.046 ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.195	83	157103	49.820 ug/l	99
76) 1,2,3-Trichloropropane	11.219	75	125555m	45.234 ug/l	
77) Bromobenzene	11.183	156	125074	48.723 ug/l	99
78) n-propylbenzene	11.286	91	606998	49.266 ug/l	100
79) 2-Chlorotoluene	11.347	91	366809	48.608 ug/l	100
80) 1,3,5-Trimethylbenzene	11.433	105	422419	49.330 ug/l	99
81) trans-1,4-Dichloro-2-b...	11.000	75	54108	49.711 ug/l	98
82) 4-Chlorotoluene	11.439	91	431570	48.423 ug/l	100
83) tert-Butylbenzene	11.695	119	422068	48.149 ug/l	99
84) 1,2,4-Trimethylbenzene	11.732	105	426742	49.155 ug/l	100
85) sec-Butylbenzene	11.872	105	512794	49.250 ug/l	100
86) p-Isopropyltoluene	11.994	119	427348	48.480 ug/l	99
87) 1,3-Dichlorobenzene	11.951	146	230147	48.269 ug/l	99
88) 1,4-Dichlorobenzene	12.024	146	231259	47.257 ug/l	100
89) n-Butylbenzene	12.311	91	406198	49.801 ug/l	99
90) Hexachloroethane	12.518	117	75994	49.103 ug/l	98
91) 1,2-Dichlorobenzene	12.317	146	222095	48.892 ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.920	75	32697	51.214 ug/l	99
93) 1,2,4-Trichlorobenzene	13.567	180	145730	49.362 ug/l	99
94) Hexachlorobutadiene	13.707	225	49085	48.949 ug/l	99
95) Naphthalene	13.756	128	453760	50.475 ug/l	100
96) 1,2,3-Trichlorobenzene	13.938	180	134546	48.993 ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091825\
Data File : VX047631.D
Acq On : 18 Sep 2025 11:30
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 19 01:18:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025

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

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

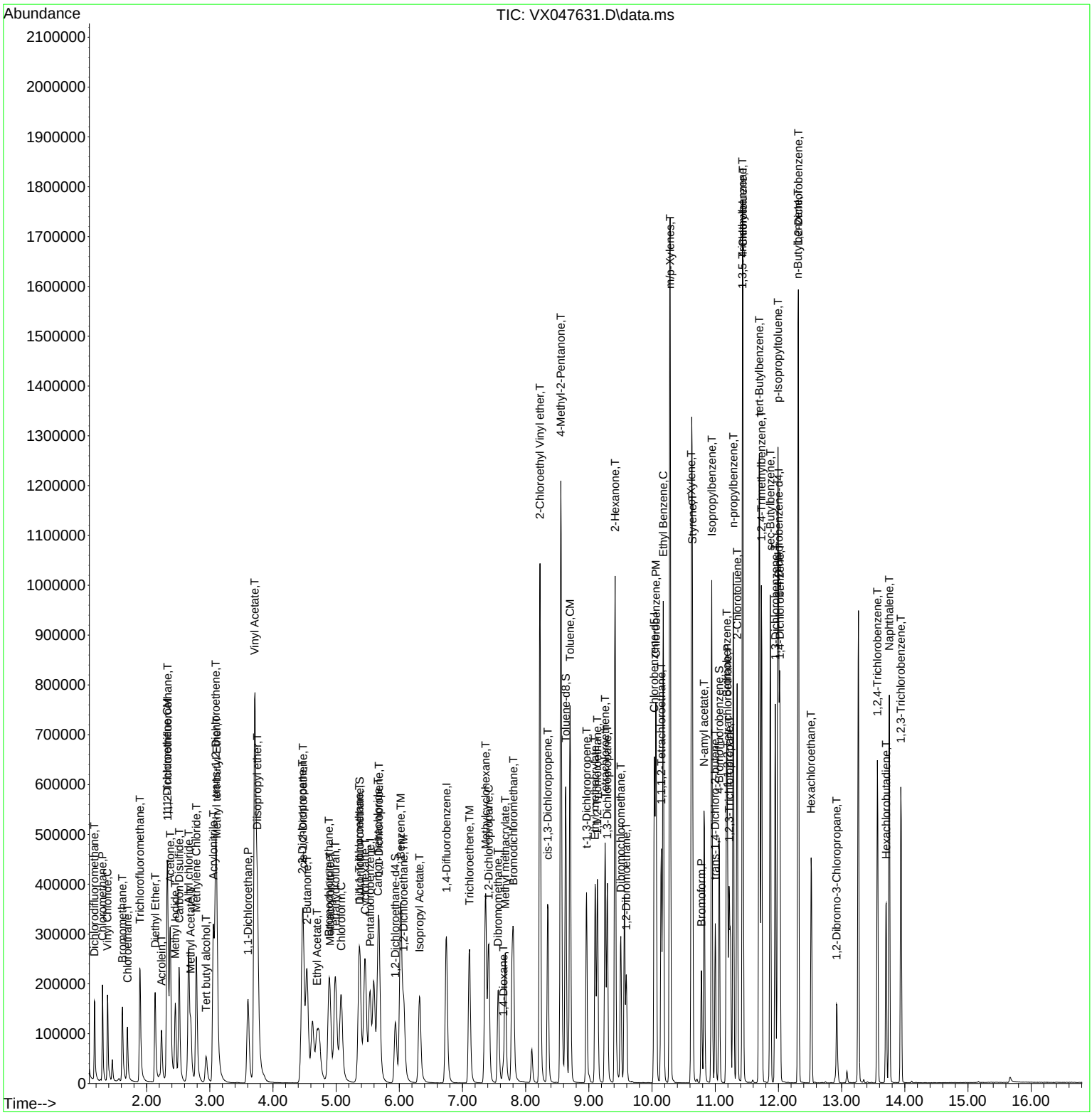
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091825\
Data File : VX047631.D
Acq On : 18 Sep 2025 11:30
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

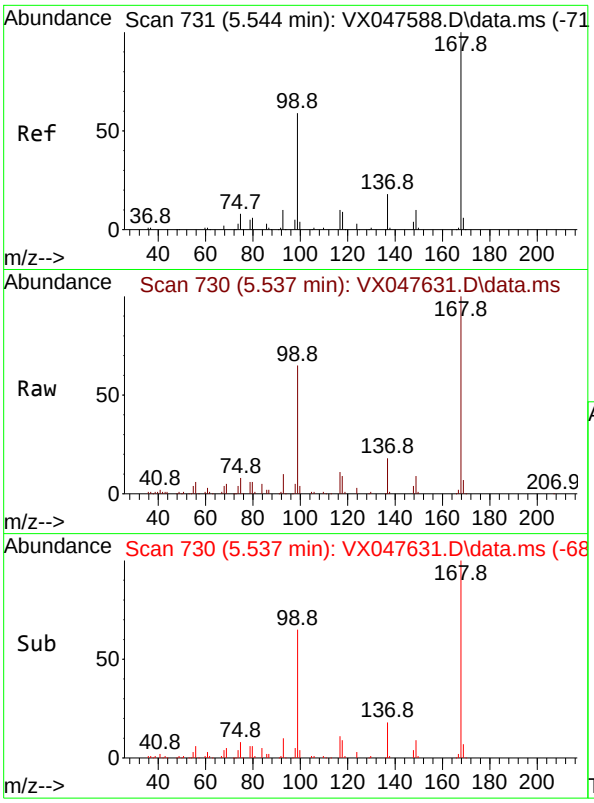
Quant Time: Sep 19 01:18:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025

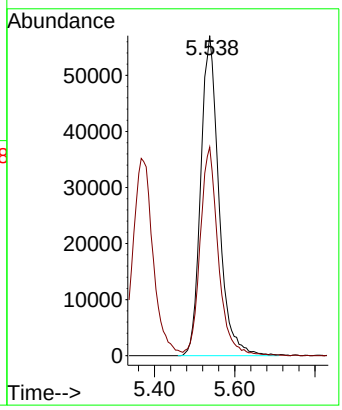




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.537 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047631.D
Acq: 18 Sep 2025 11:30

Tgt Ion:168 Resp: 17921

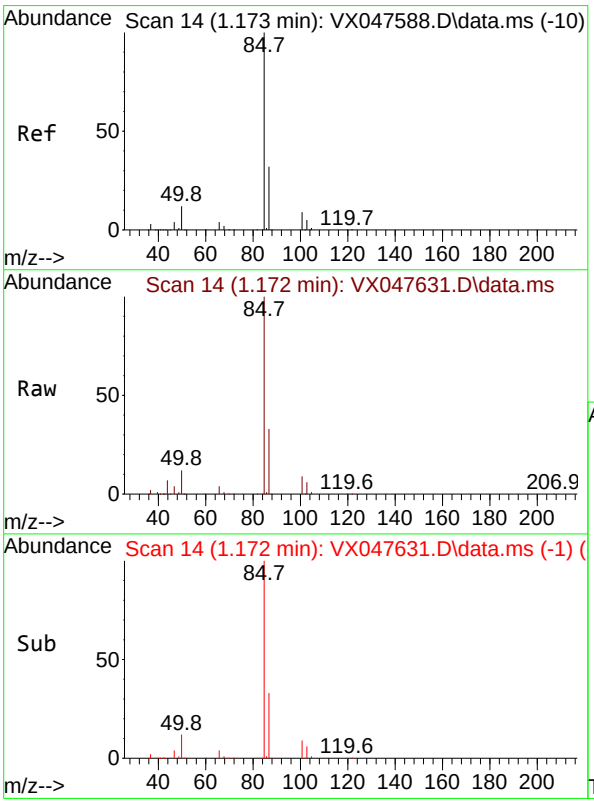
Ion	Ratio	Lower	Upper
168	100		
99	64.9	48.8	73.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

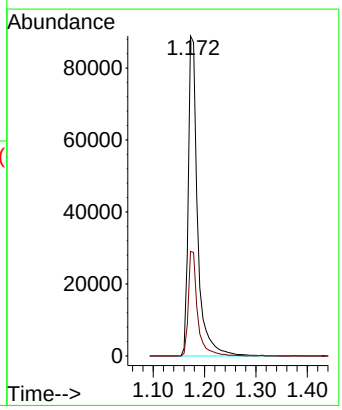
Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025

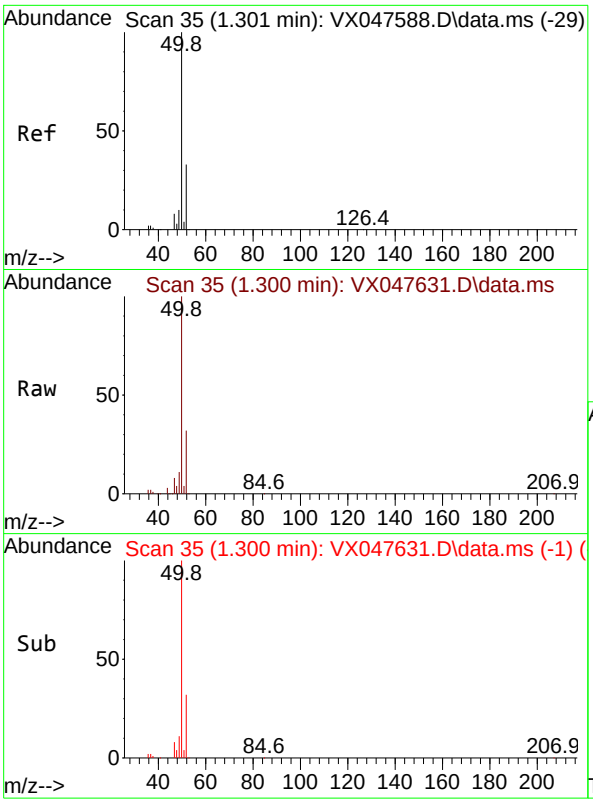


#2
Dichlorodifluoromethane
Concen: 60.603 ug/l
RT: 1.172 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047631.D
Acq: 18 Sep 2025 11:30

Tgt Ion: 85 Resp: 112469

Ion	Ratio	Lower	Upper
85	100		
87	32.7	15.8	47.3

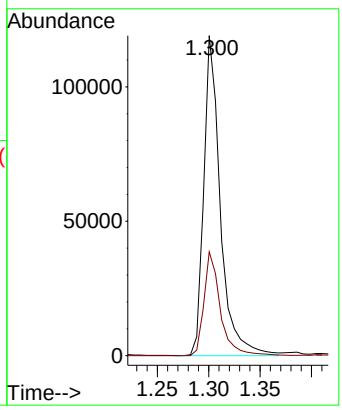




#3
Chloromethane
Concen: 54.835 ug/l
RT: 1.300 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047631.D
Acq: 18 Sep 2025 11:30

Tgt Ion: 50 Resp: 13374

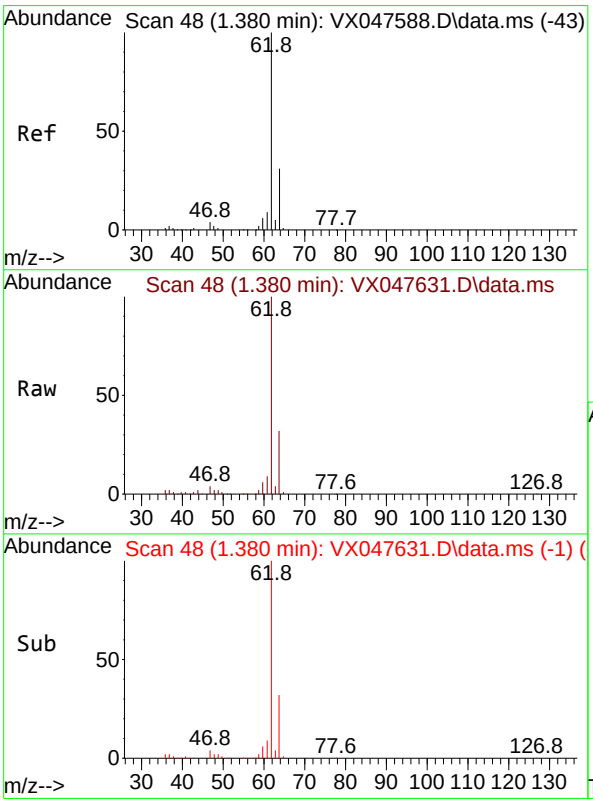
Ion	Ratio	Lower	Upper
50	100		
52	32.4	26.1	39.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

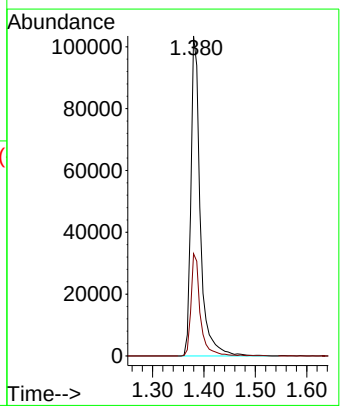
Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025

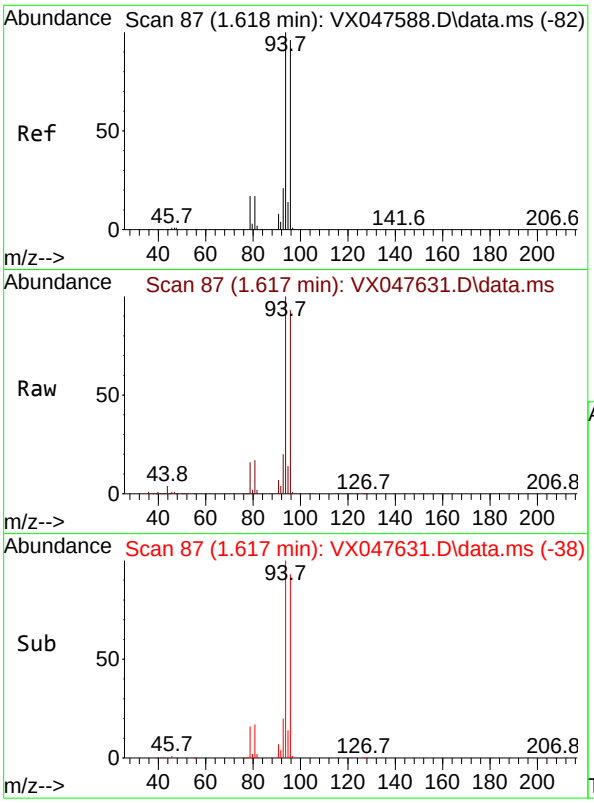


#4
Vinyl Chloride
Concen: 55.006 ug/l
RT: 1.380 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX047631.D
Acq: 18 Sep 2025 11:30

Tgt Ion: 62 Resp: 131332

Ion	Ratio	Lower	Upper
62	100		
64	31.9	24.9	37.3

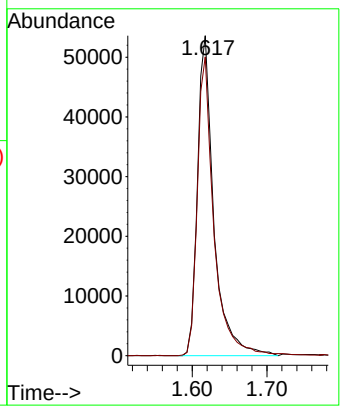




#5
Bromomethane
Concen: 53.868 ug/l
RT: 1.617 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX047631.D
Acq: 18 Sep 2025 11:30

Tgt Ion: 94 Resp: 8155

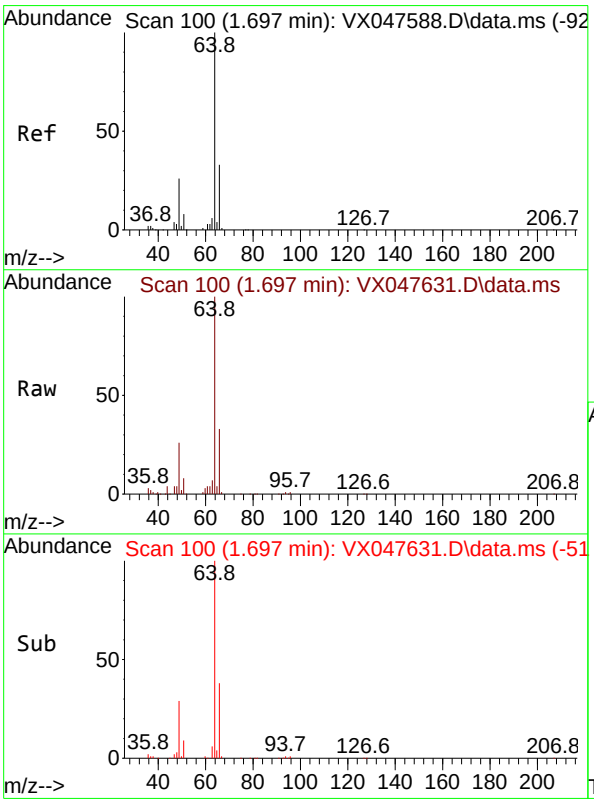
Ion	Ratio	Lower	Upper
94	100		
96	93.4	76.6	115.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

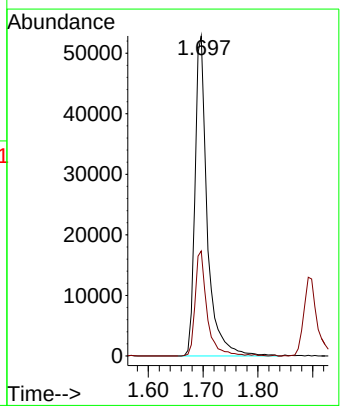
Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025

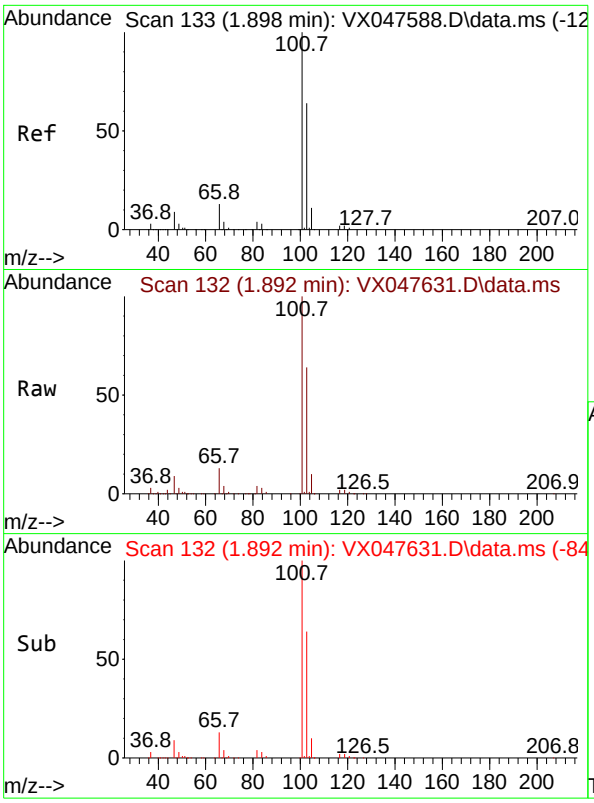


#6
Chloroethane
Concen: 51.751 ug/l
RT: 1.697 min Scan# 100
Delta R.T. -0.000 min
Lab File: VX047631.D
Acq: 18 Sep 2025 11:30

Tgt Ion: 64 Resp: 82584

Ion	Ratio	Lower	Upper
64	100		
66	32.8	26.1	39.1

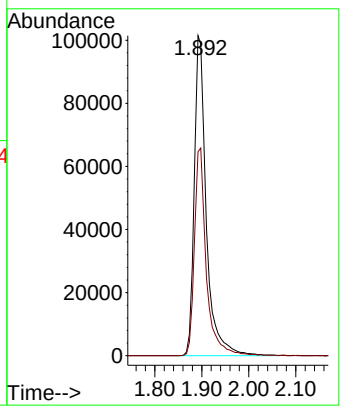




#7
Trichlorofluoromethane
Concen: 51.083 ug/l
RT: 1.892 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047631.D
Acq: 18 Sep 2025 11:30

Tgt Ion:101 Resp: 18109

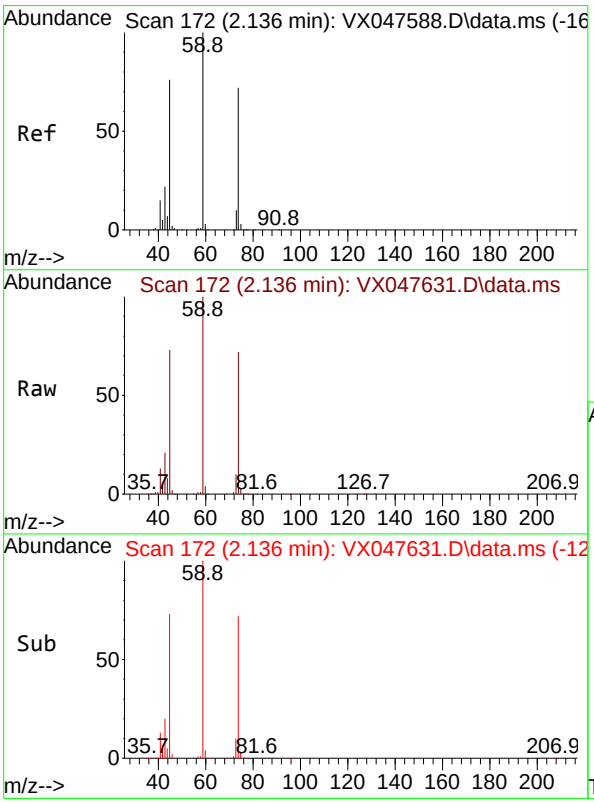
Ion	Ratio	Lower	Upper
101	100		
103	63.8	51.4	77.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

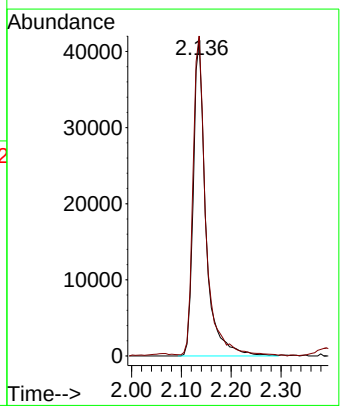
Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025

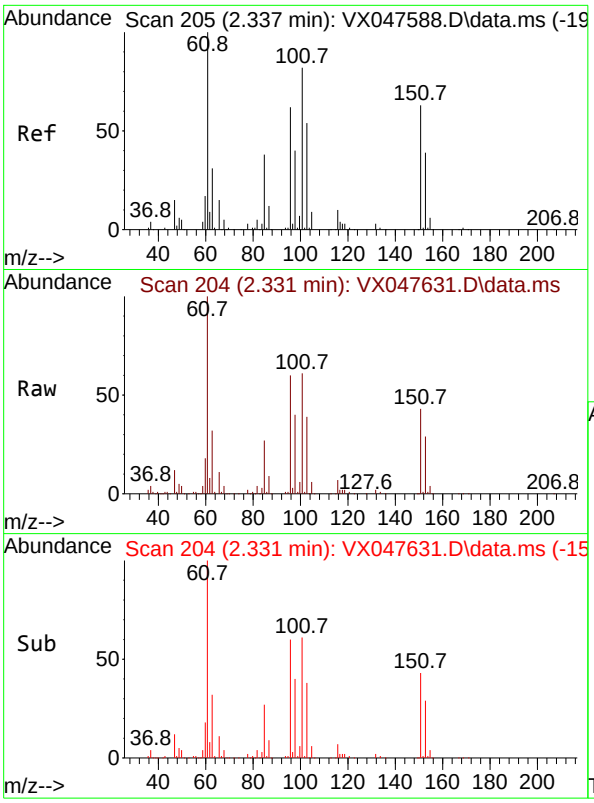


#8
Diethyl Ether
Concen: 49.751 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX047631.D
Acq: 18 Sep 2025 11:30

Tgt Ion: 74 Resp: 72148

Ion	Ratio	Lower	Upper
74	100		
45	105.3	52.3	156.8





#9
1,1,2-Trichlorotrifluoroethane
Concen: 50.766 ug/l
RT: 2.331 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047631.D
Acq: 18 Sep 2025 11:30

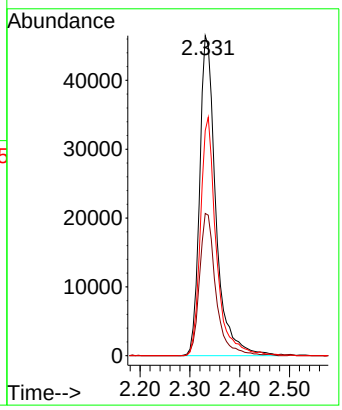
Tgt Ion:101 Resp: 10523

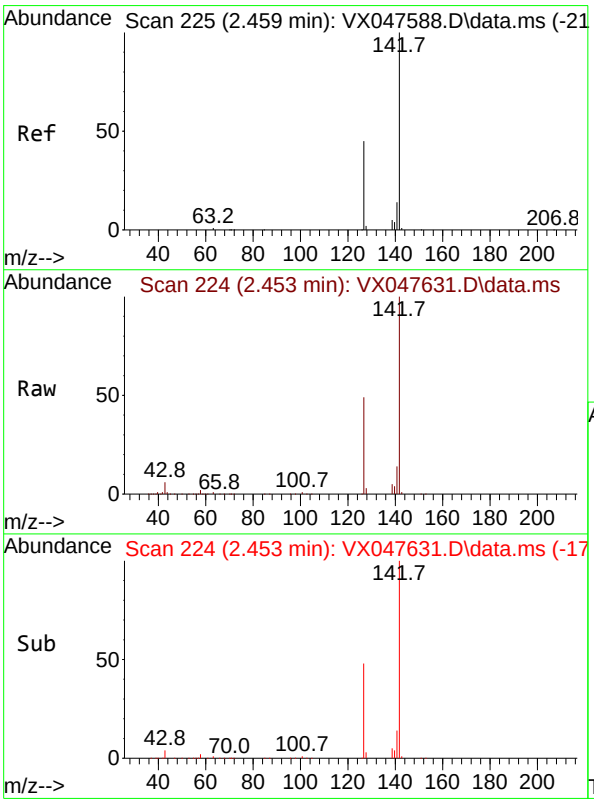
Ion	Ratio	Lower	Upper
101	100		
85	44.7	35.5	53.3
151	73.3	59.4	89.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025

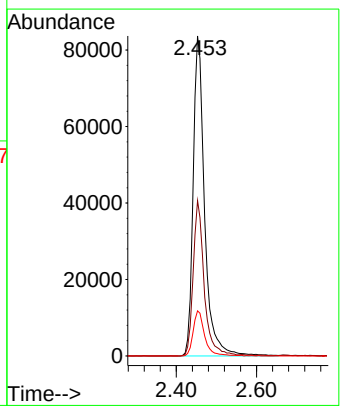


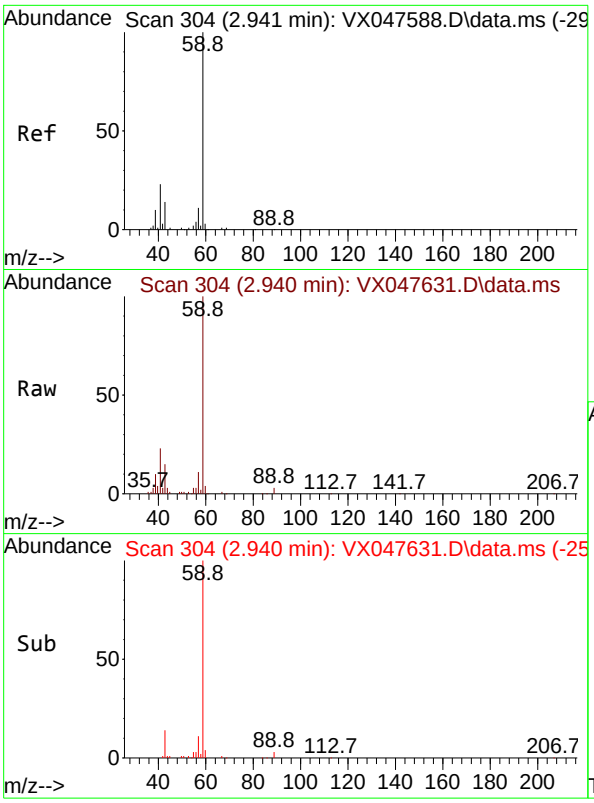


#10
Methyl Iodide
Concen: 51.320 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.006 min
Lab File: VX047631.D
Acq: 18 Sep 2025 11:30

Tgt Ion:142 Resp: 165913

Ion	Ratio	Lower	Upper
142	100		
127	46.7	37.2	55.8
141	14.1	11.4	17.0





#11
Tert butyl alcohol
Concen: 244.375 ug/l
RT: 2.940 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047631.D
Acq: 18 Sep 2025 11:30

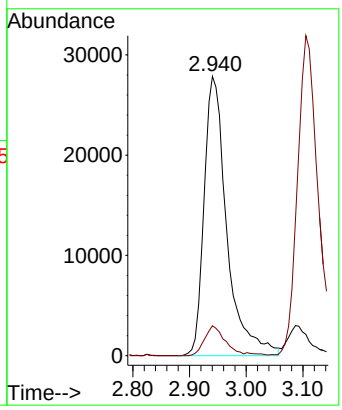
Tgt Ion: 59 Resp: 7764

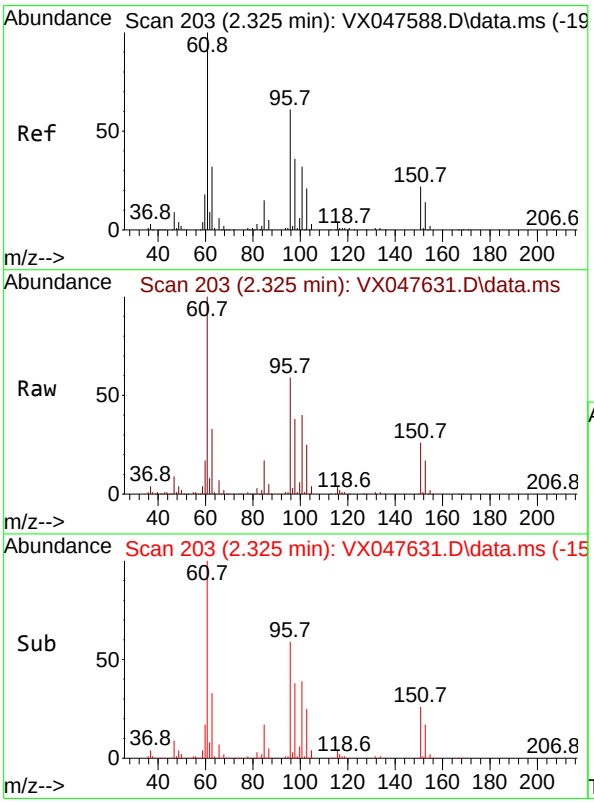
Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.3	12.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025

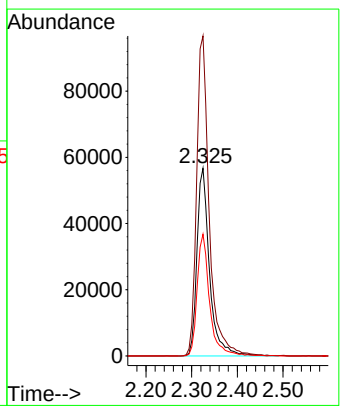


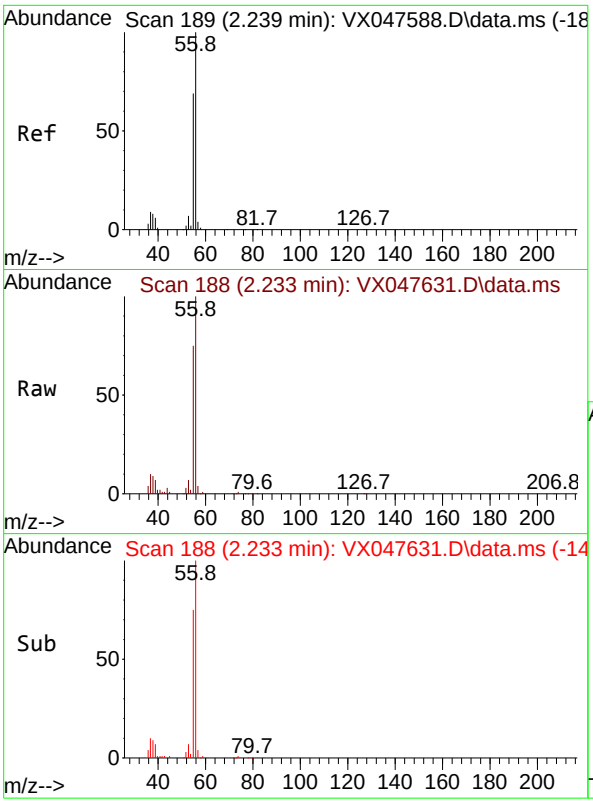


#12
1,1-Dichloroethene
Concen: 50.930 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX047631.D
Acq: 18 Sep 2025 11:30

Tgt Ion: 96 Resp: 108445

Ion	Ratio	Lower	Upper
96	100		
61	170.5	131.0	196.6
98	64.8	47.7	71.5





#13
Acrolein
Concen: 306.922 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047631.D
Acq: 18 Sep 2025 11:30

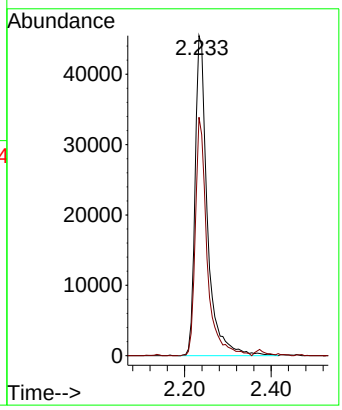
Tgt Ion: 56 Resp: 8986

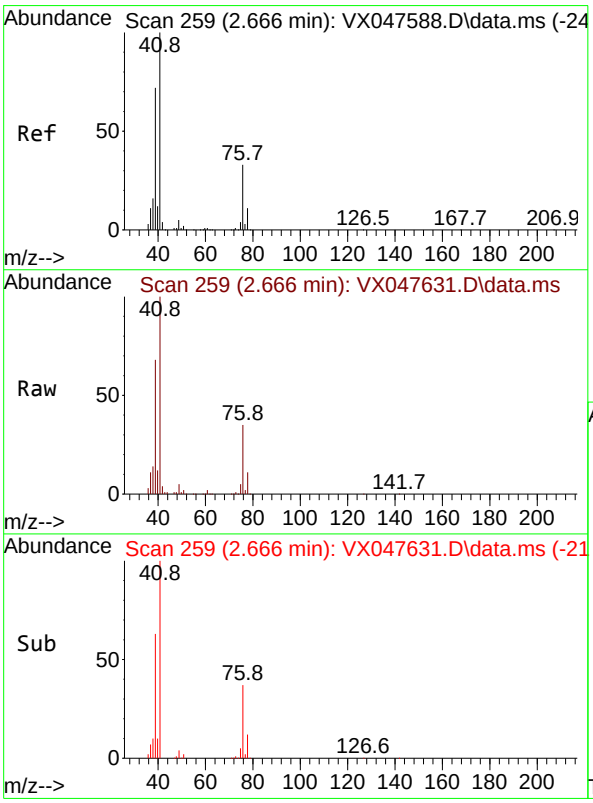
Ion	Ratio	Lower	Upper
56	100		
55	70.6	57.2	85.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025

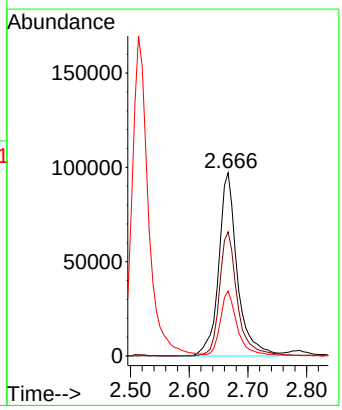


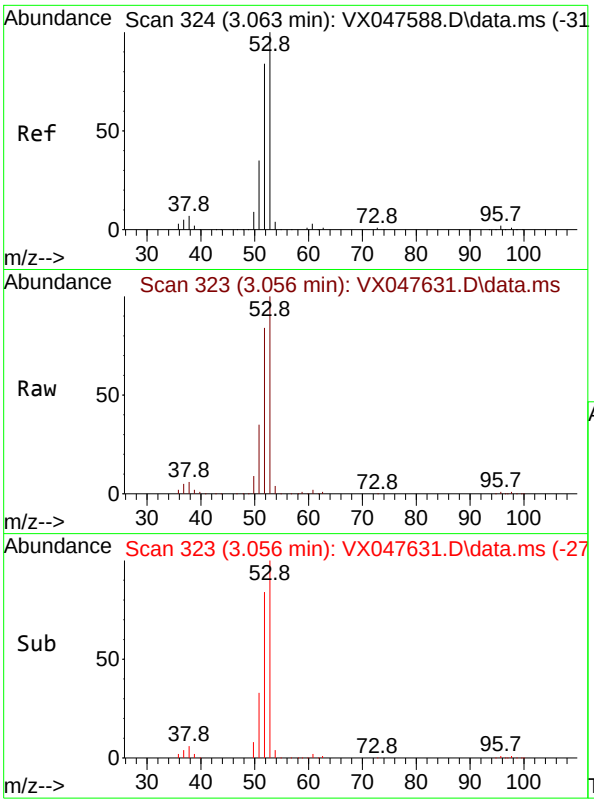


#14
Allyl chloride
Concen: 48.600 ug/l
RT: 2.666 min Scan# 259
Delta R.T. -0.000 min
Lab File: VX047631.D
Acq: 18 Sep 2025 11:30

Tgt Ion: 41 Resp: 213542

Ion	Ratio	Lower	Upper
41	100		
39	65.9	54.7	82.1
76	32.4	25.7	38.5

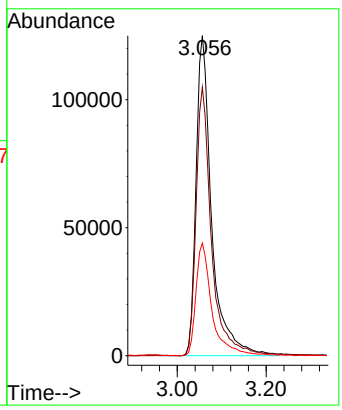




#15
Acrylonitrile
Concen: 259.885 ug/l
RT: 3.056 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047631.D
Acq: 18 Sep 2025 11:30

Tgt Ion: 53 Resp: 30584

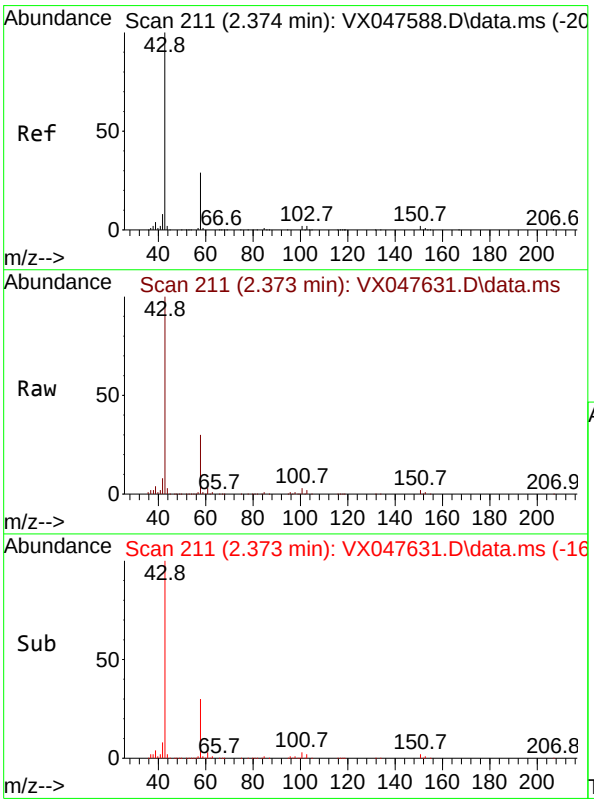
Ion	Ratio	Lower	Upper
53	100		
52	82.9	66.4	99.6
51	36.3	29.5	44.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

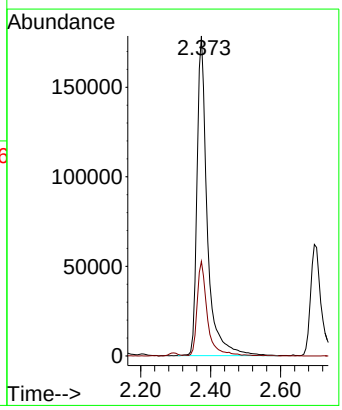
Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025

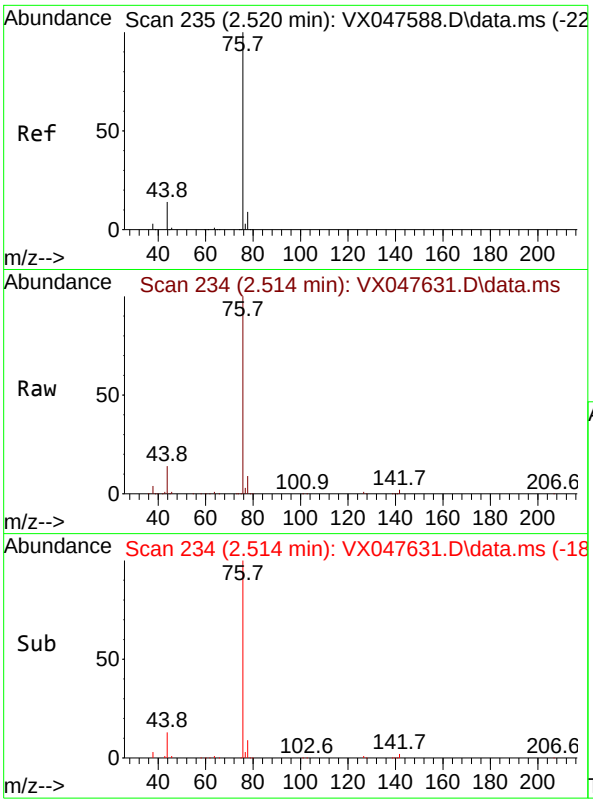


#16
Acetone
Concen: 292.056 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX047631.D
Acq: 18 Sep 2025 11:30

Tgt Ion: 43 Resp: 362257

Ion	Ratio	Lower	Upper
43	100		
58	29.6	23.4	35.0

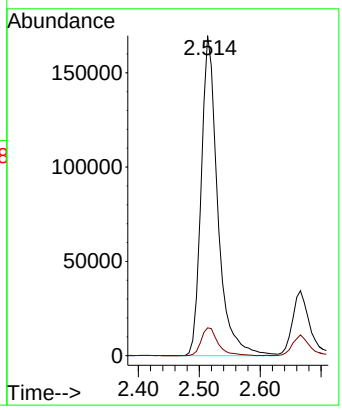




#17
Carbon Disulfide
Concen: 55.006 ug/l
RT: 2.514 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047631.D
Acq: 18 Sep 2025 11:30

Tgt Ion: 76 Resp: 32063

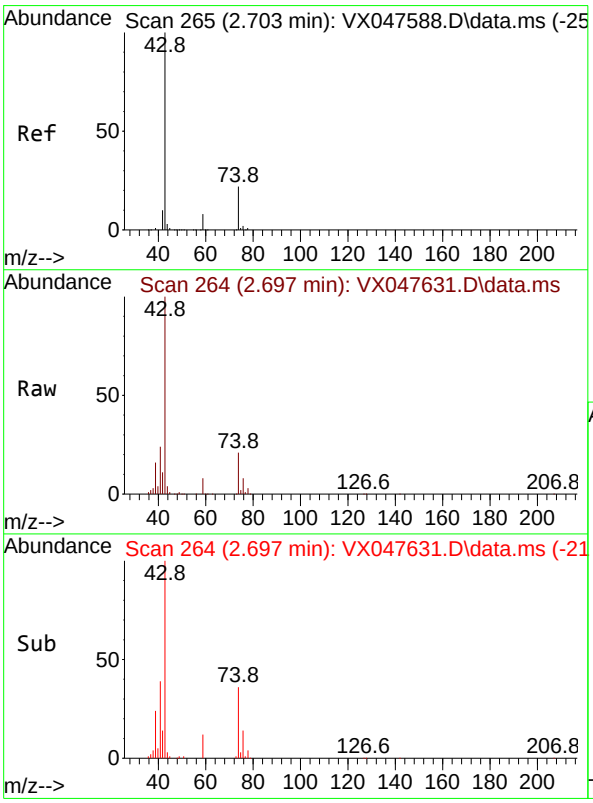
Ion	Ratio	Lower	Upper
76	100		
78	8.7	6.8	10.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

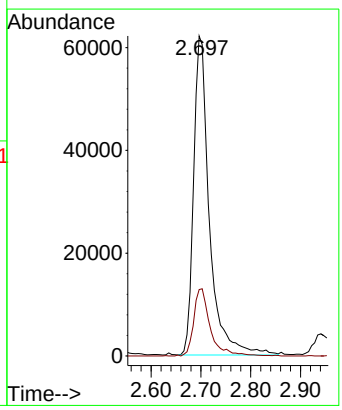
Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025

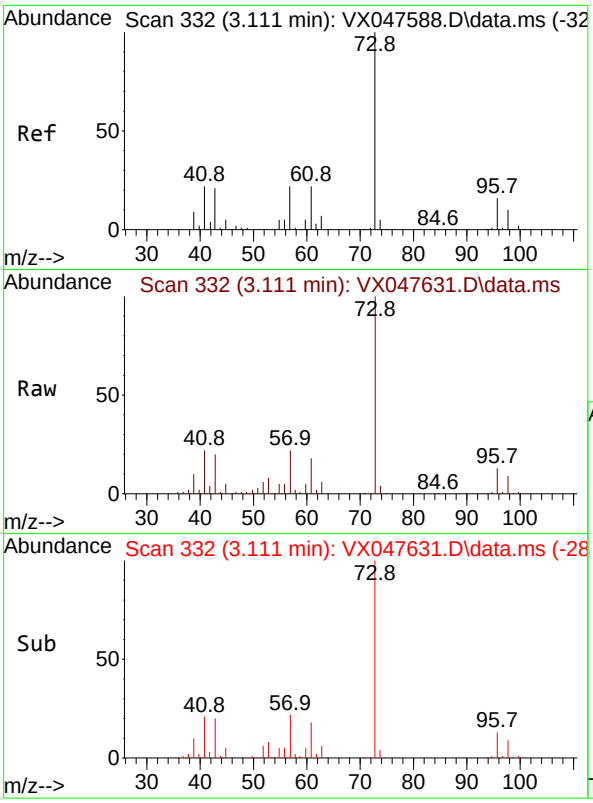


#18
Methyl Acetate
Concen: 49.405 ug/l
RT: 2.697 min Scan# 264
Delta R.T. -0.006 min
Lab File: VX047631.D
Acq: 18 Sep 2025 11:30

Tgt Ion: 43 Resp: 136380

Ion	Ratio	Lower	Upper
43	100		
74	22.1	17.4	26.2

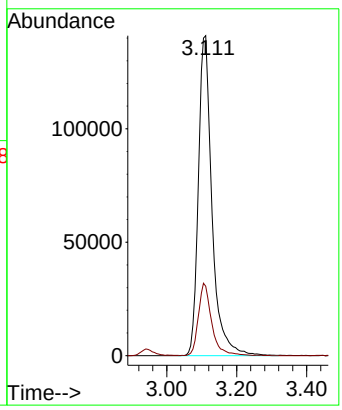




#19
Methyl tert-butyl Ether
Concen: 49.101 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047631.D
Acq: 18 Sep 2025 11:30

Tgt Ion: 73 Resp: 38165

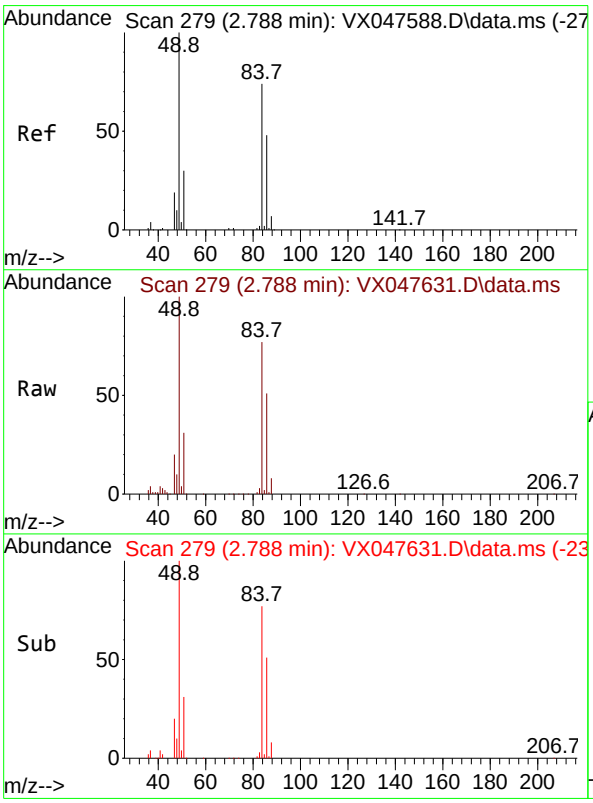
Ion	Ratio	Lower	Upper
73	100		
57	21.7	17.4	26.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

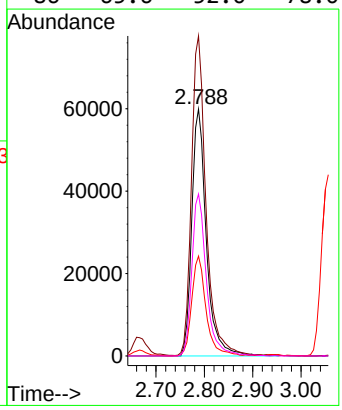
Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025

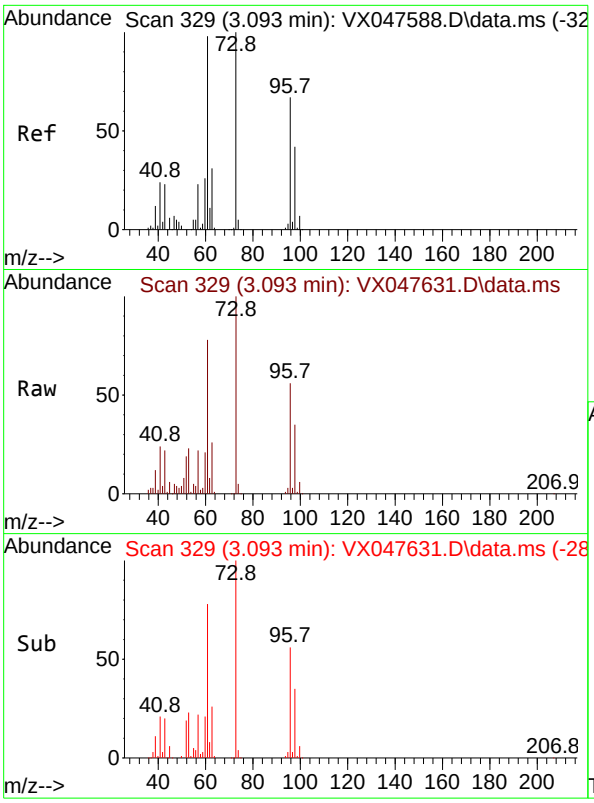


#20
Methylene Chloride
Concen: 47.731 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX047631.D
Acq: 18 Sep 2025 11:30

Tgt Ion: 84 Resp: 125318

Ion	Ratio	Lower	Upper
84	100		
49	129.3	108.6	162.8
51	40.3	32.6	48.8
86	65.6	52.0	78.0

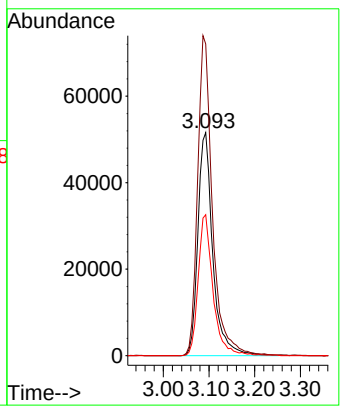




#21
trans-1,2-Dichloroethene
Concen: 51.220 ug/l
RT: 3.093 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047631.D
Acq: 18 Sep 2025 11:30

Tgt Ion: 96 Resp: 11742

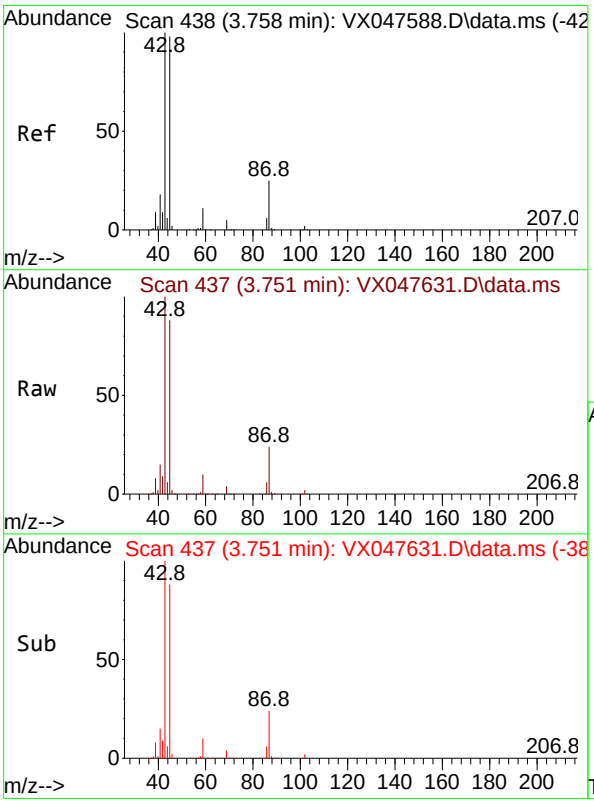
Ion	Ratio	Lower	Upper
96	100		
61	139.8	116.2	174.2
98	63.2	49.3	73.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

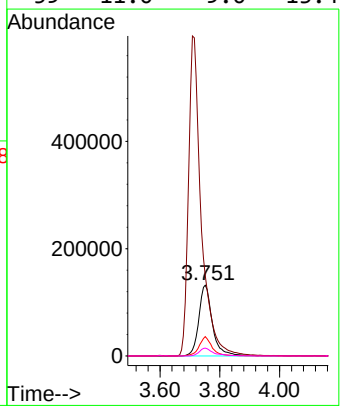
Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025

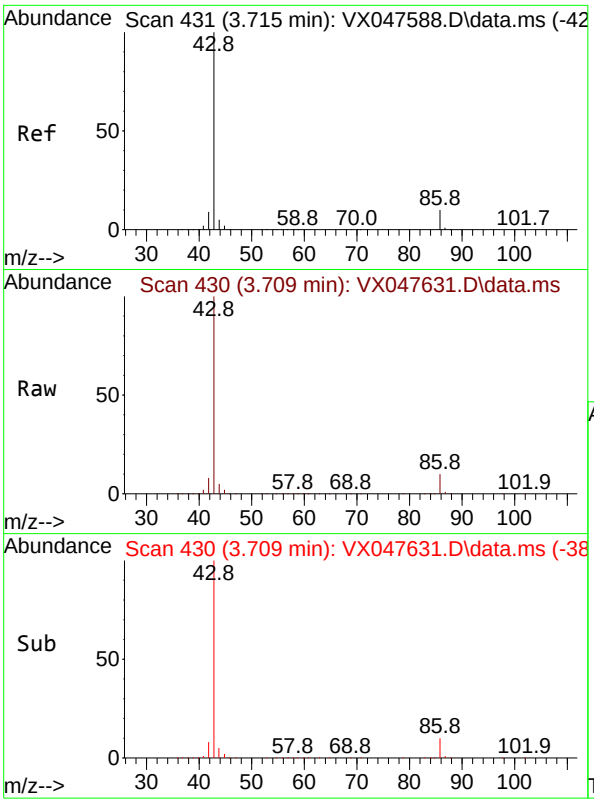


#22
Diisopropyl ether
Concen: 48.941 ug/l
RT: 3.751 min Scan# 437
Delta R.T. -0.006 min
Lab File: VX047631.D
Acq: 18 Sep 2025 11:30

Tgt Ion: 45 Resp: 416753

Ion	Ratio	Lower	Upper
45	100		
43	113.3	81.0	121.4
87	27.4	20.3	30.5
59	11.0	9.0	13.4

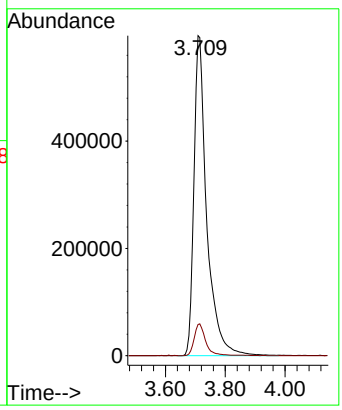




#23
Vinyl Acetate
Concen: 260.421 ug/l
RT: 3.709 min Scan# 4
Delta R.T. -0.006 min
Lab File: VX047631.D
Acq: 18 Sep 2025 11:30

Tgt Ion: 43 Resp: 177485

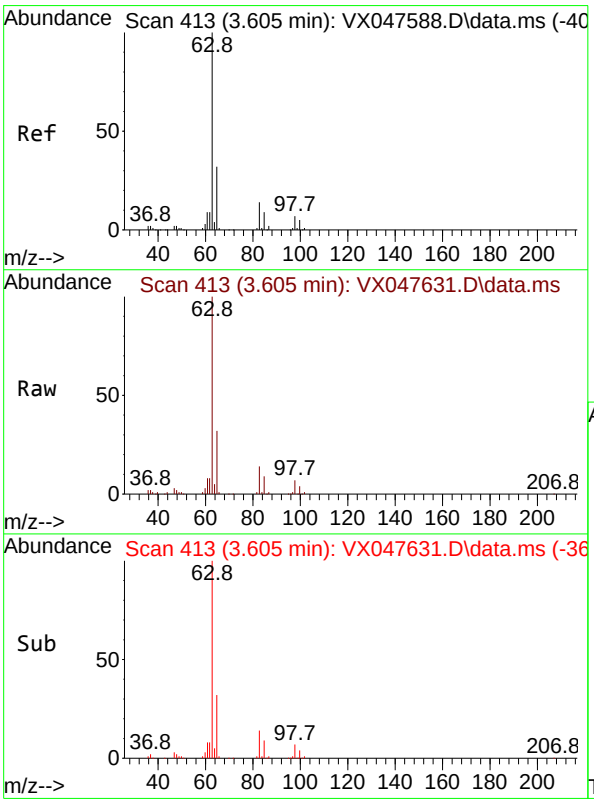
Ion	Ratio	Lower	Upper
43	100		
86	9.7	7.8	11.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

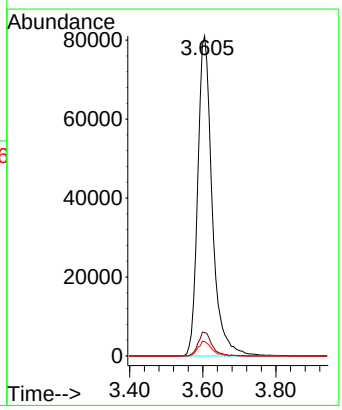
Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025

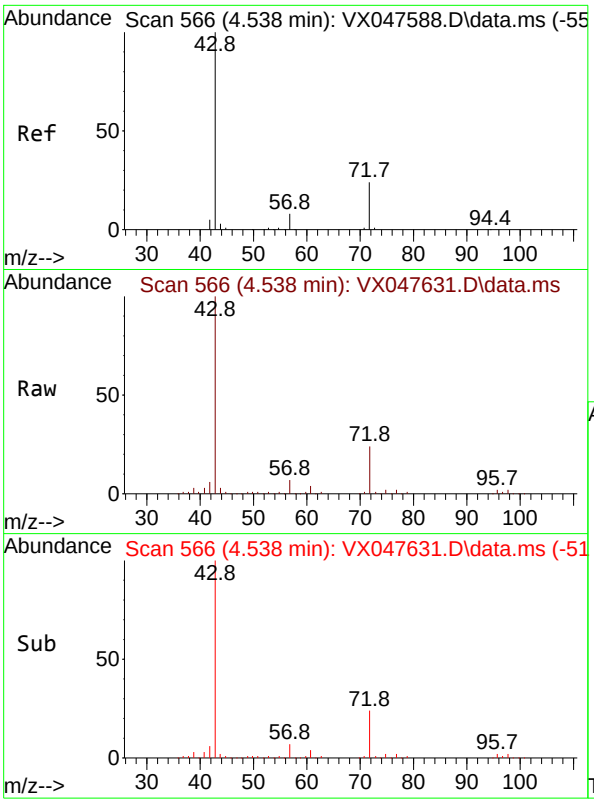


#24
1,1-Dichloroethane
Concen: 49.247 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX047631.D
Acq: 18 Sep 2025 11:30

Tgt Ion: 63 Resp: 222896

Ion	Ratio	Lower	Upper
63	100		
98	7.3	3.8	11.2
100	4.6	2.3	6.9





#25
2-Butanone
Concen: 272.815 ug/l
RT: 4.538 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX047631.D
Acq: 18 Sep 2025 11:30

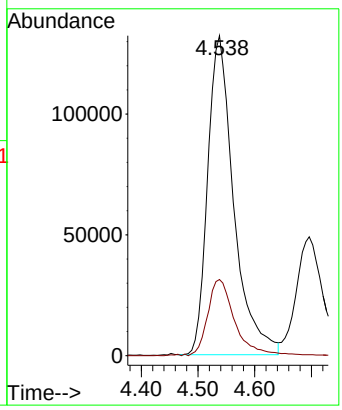
Tgt Ion: 43 Resp: 42210

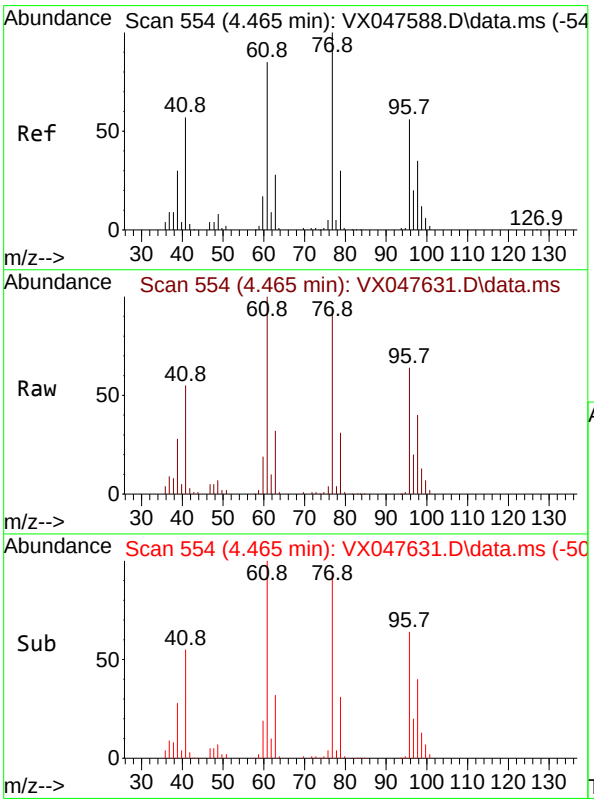
Ion	Ratio	Lower	Upper
43	100		
72	23.4	20.1	30.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025

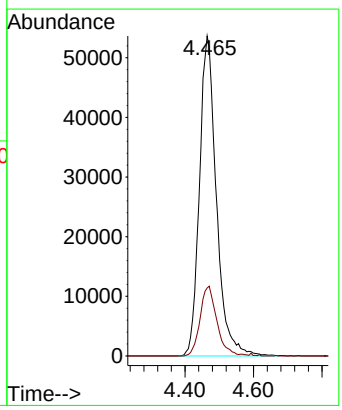


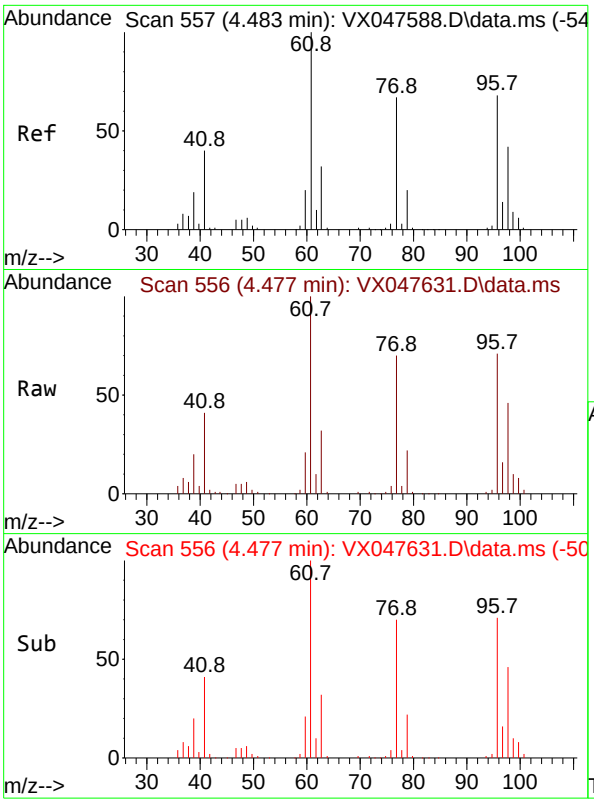


#26
2,2-Dichloropropane
Concen: 49.101 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.000 min
Lab File: VX047631.D
Acq: 18 Sep 2025 11:30

Tgt Ion: 77 Resp: 184735

Ion	Ratio	Lower	Upper
77	100		
97	21.5	10.9	32.7

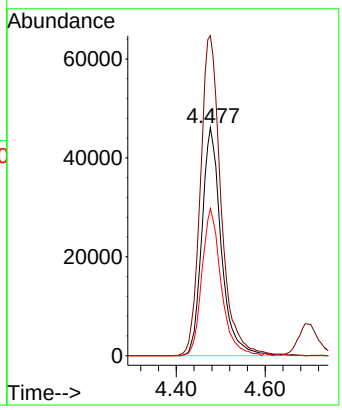




#27
cis-1,2-Dichloroethene
Concen: 49.600 ug/l
RT: 4.477 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX047631.D
Acq: 18 Sep 2025 11:30

Tgt Ion: 96 Resp: 13925

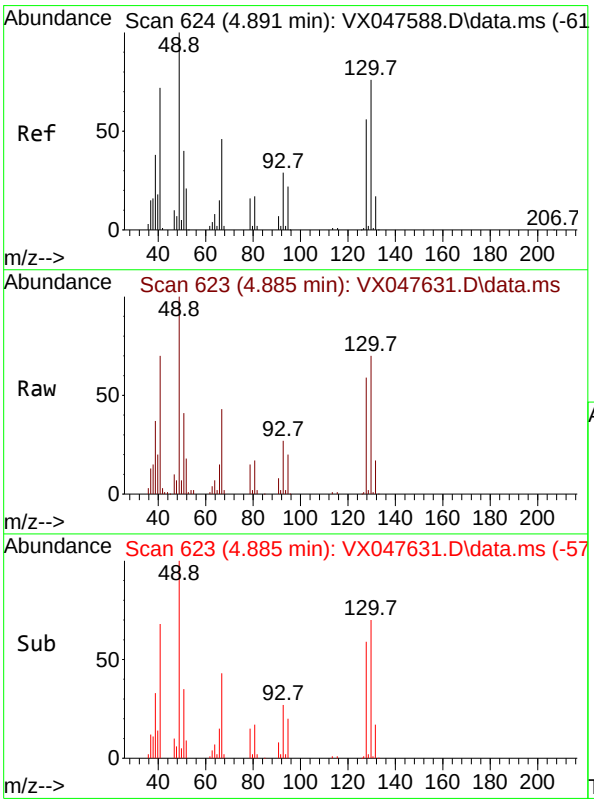
Ion	Ratio	Lower	Upper
96	100		
61	149.9	0.0	303.2
98	64.3	0.0	127.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

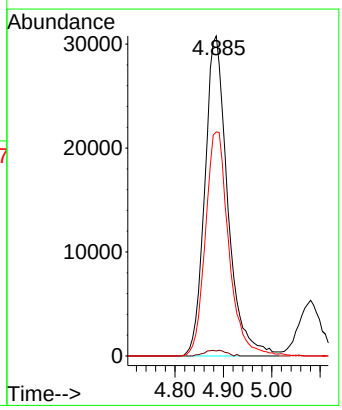
Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025

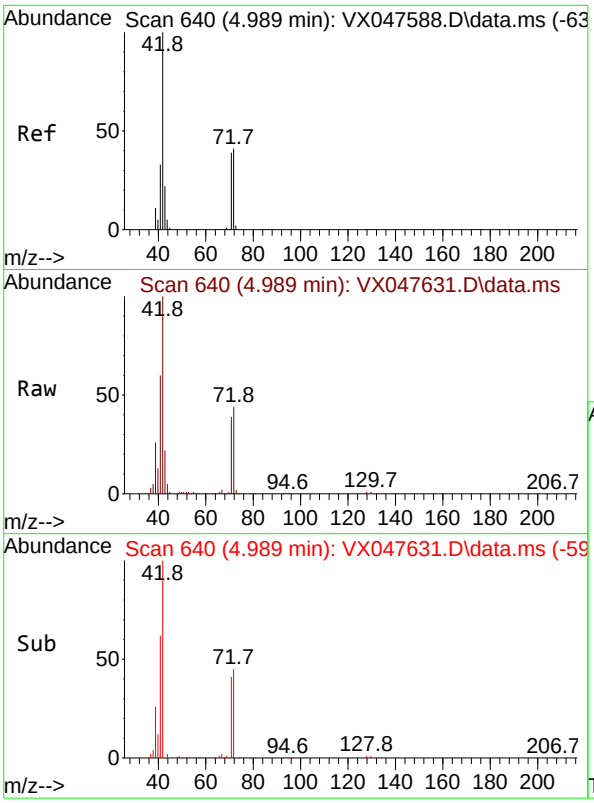


#28
Bromochloromethane
Concen: 51.092 ug/l
RT: 4.885 min Scan# 623
Delta R.T. -0.006 min
Lab File: VX047631.D
Acq: 18 Sep 2025 11:30

Tgt Ion: 49 Resp: 100955

Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	3.2
130	71.8	57.8	86.8





#29
Tetrahydrofuran
Concen: 264.926 ug/l
RT: 4.989 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX047631.D
Acq: 18 Sep 2025 11:30

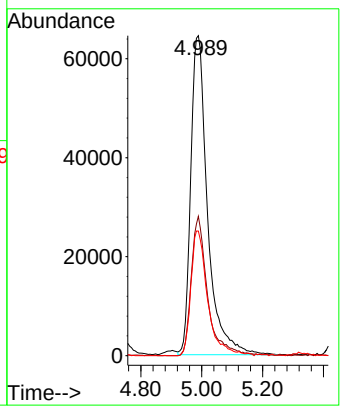
Tgt Ion: 42 Resp: 24658

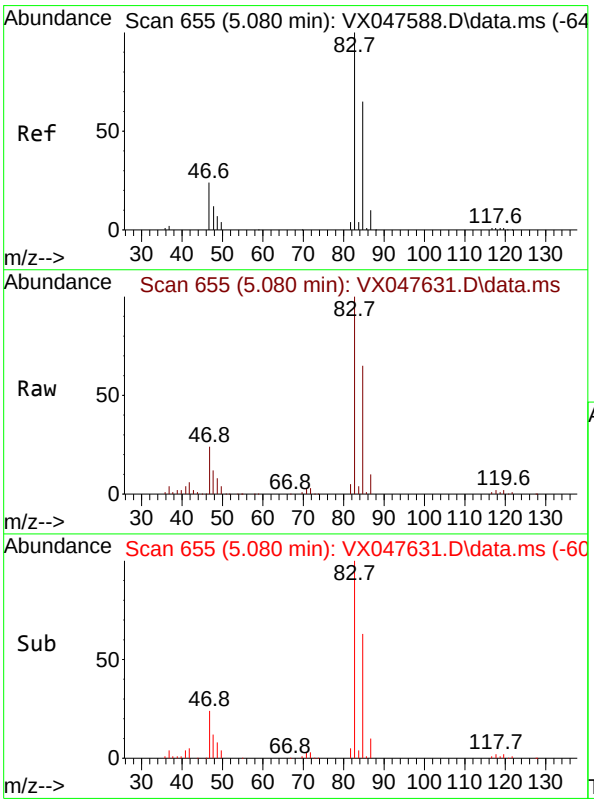
Ion	Ratio	Lower	Upper
42	100		
72	42.6	34.2	51.2
71	38.7	31.9	47.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025

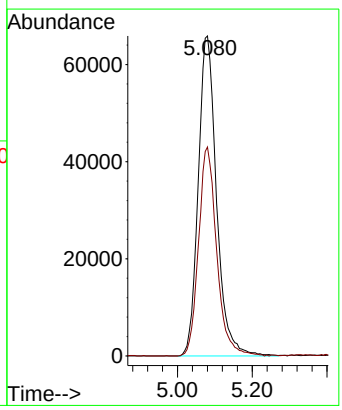


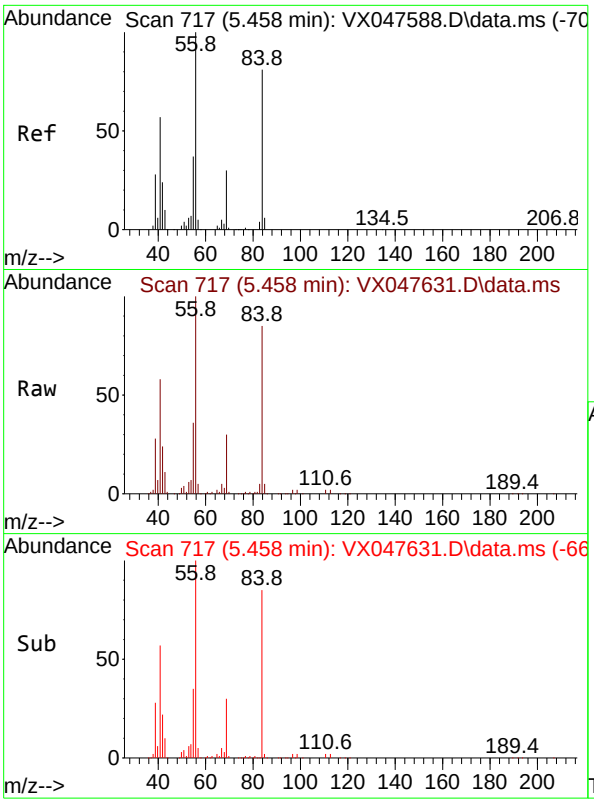


#30
Chloroform
Concen: 48.949 ug/l
RT: 5.080 min Scan# 655
Delta R.T. -0.000 min
Lab File: VX047631.D
Acq: 18 Sep 2025 11:30

Tgt Ion: 83 Resp: 223876

Ion	Ratio	Lower	Upper
83	100		
85	66.6	51.8	77.6

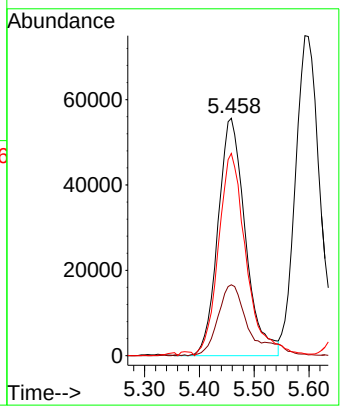




#31
Cyclohexane
Concen: 51.284 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047631.D
Acq: 18 Sep 2025 11:30

Tgt Ion: 56 Resp: 19332

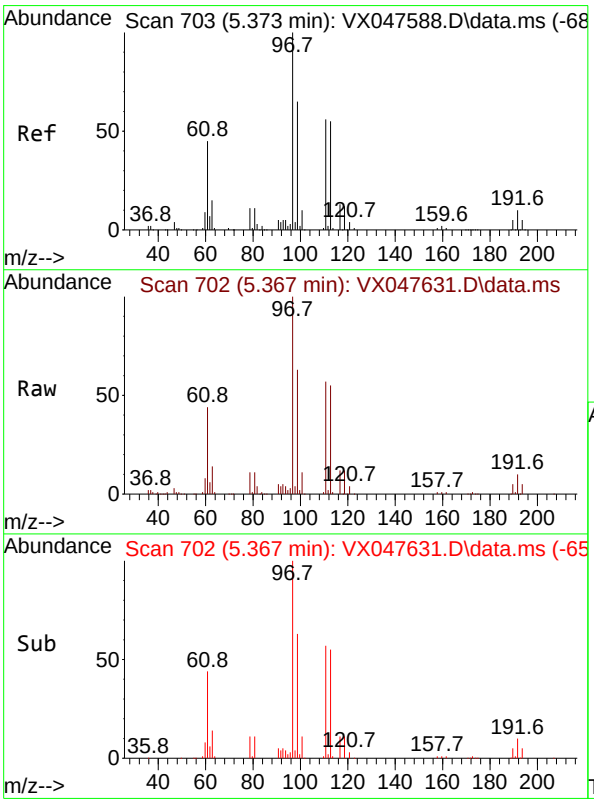
Ion	Ratio	Lower	Upper
56	100		
69	29.4	23.8	35.8
84	84.8	64.6	97.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

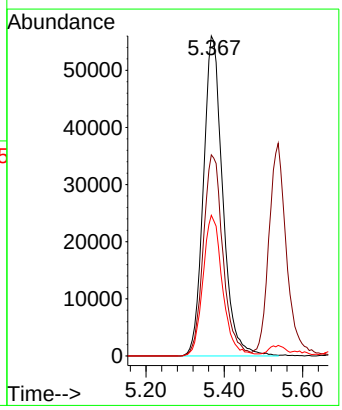
Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025

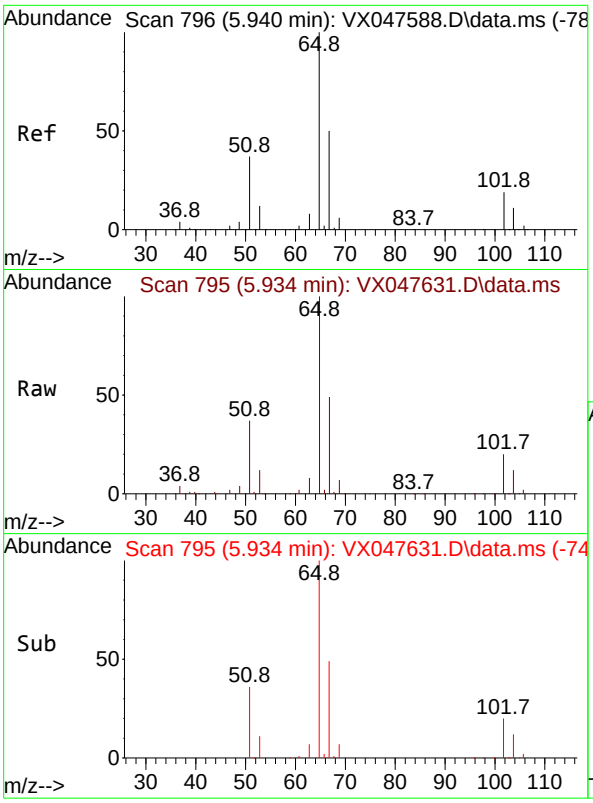


#32
1,1,1-Trichloroethane
Concen: 49.409 ug/l
RT: 5.367 min Scan# 702
Delta R.T. -0.006 min
Lab File: VX047631.D
Acq: 18 Sep 2025 11:30

Tgt Ion: 97 Resp: 191681

Ion	Ratio	Lower	Upper
97	100		
99	64.0	50.6	76.0
61	44.5	35.8	53.8

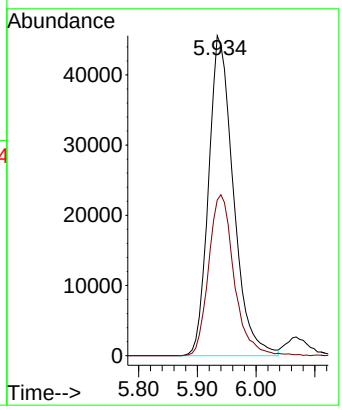




#33
1,2-Dichloroethane-d4
Concen: 46.801 ug/l
RT: 5.934 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047631.D
Acq: 18 Sep 2025 11:30

Tgt Ion: 65 Resp: 13350

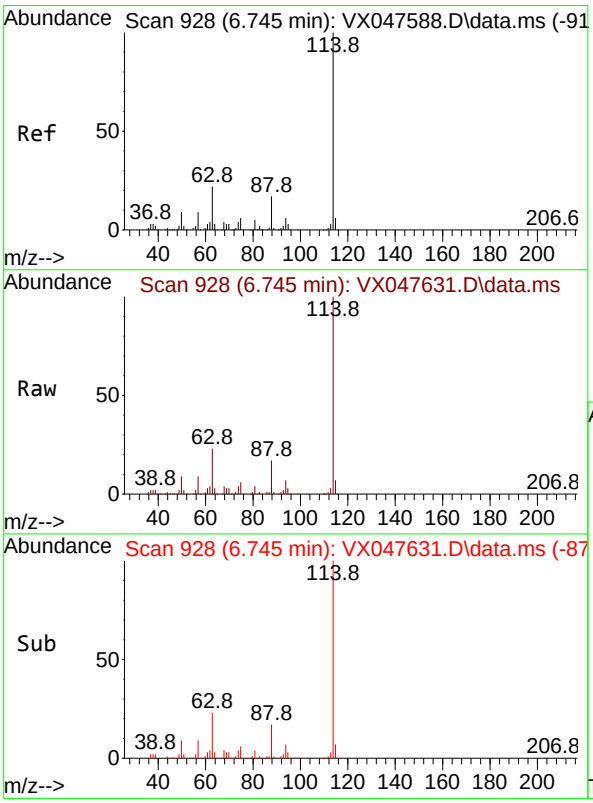
Ion	Ratio	Lower	Upper
65	100		
67	51.8	0.0	103.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

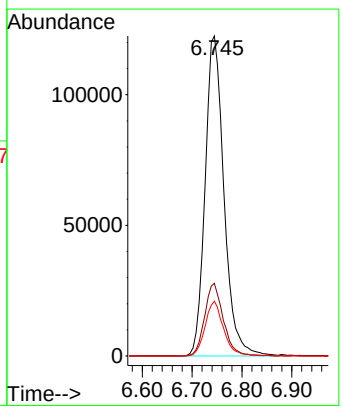
Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025

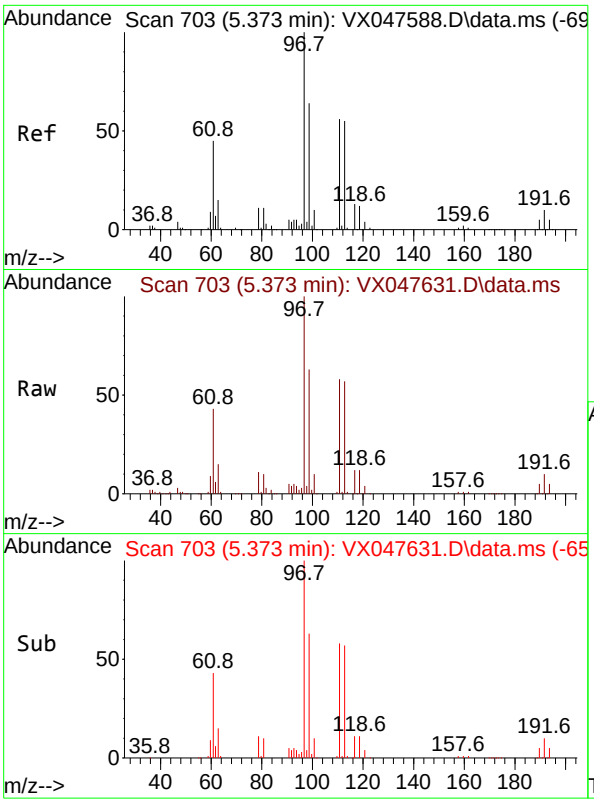


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 928
Delta R.T. -0.000 min
Lab File: VX047631.D
Acq: 18 Sep 2025 11:30

Tgt Ion:114 Resp: 321960

Ion	Ratio	Lower	Upper
114	100		
63	22.7	0.0	44.0
88	17.1	0.0	34.2

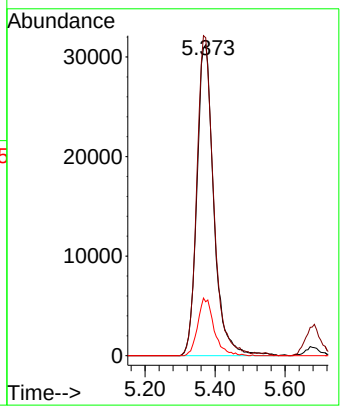




#35
Dibromofluoromethane
Concen: 48.394 ug/l
RT: 5.373 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047631.D
Acq: 18 Sep 2025 11:30

Tgt Ion:113 Resp: 10449

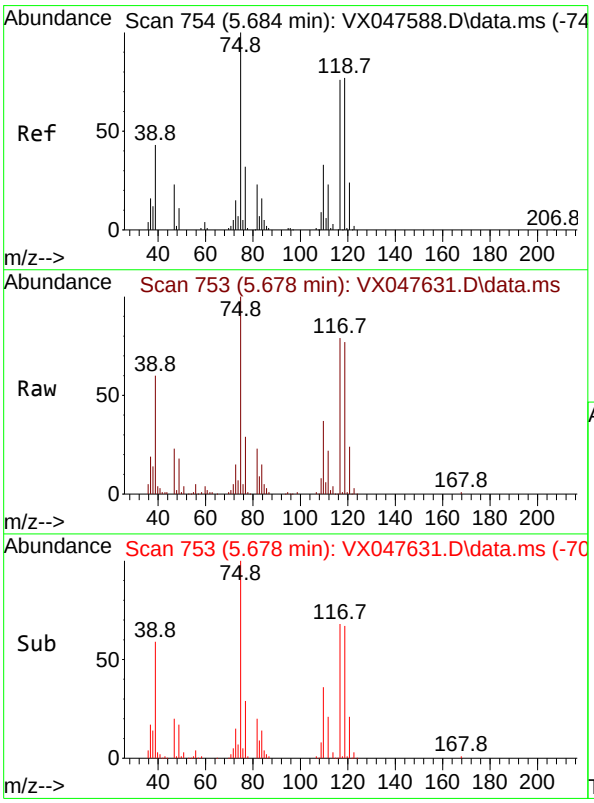
Ion	Ratio	Lower	Upper
113	100		
111	101.3	80.9	121.3
192	17.8	14.2	21.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

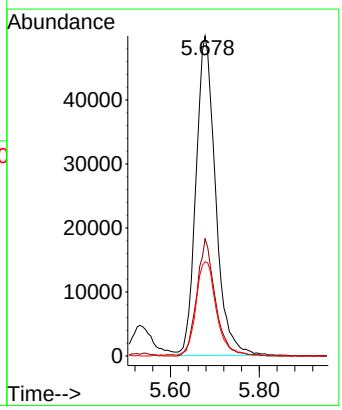
Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025

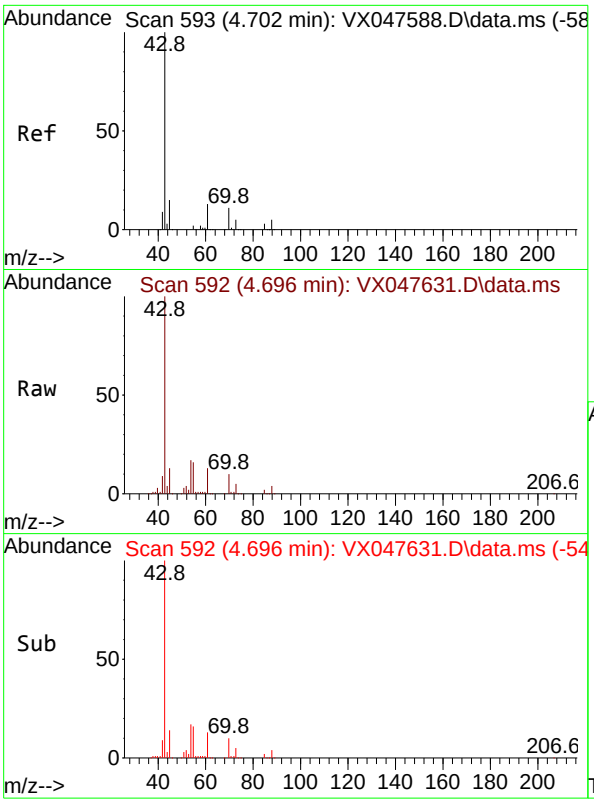


#36
1,1-Dichloropropene
Concen: 48.444 ug/l
RT: 5.678 min Scan# 753
Delta R.T. -0.006 min
Lab File: VX047631.D
Acq: 18 Sep 2025 11:30

Tgt Ion: 75 Resp: 152850

Ion	Ratio	Lower	Upper
75	100		
110	34.6	16.7	50.1
77	30.6	24.3	36.5





#37
Ethyl Acetate
Concen: 50.149 ug/l
RT: 4.696 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX047631.D
Acq: 18 Sep 2025 11:30

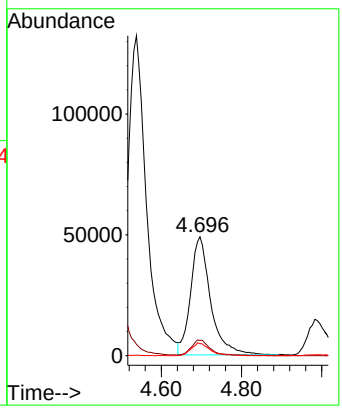
Tgt Ion: 43 Resp: 16941

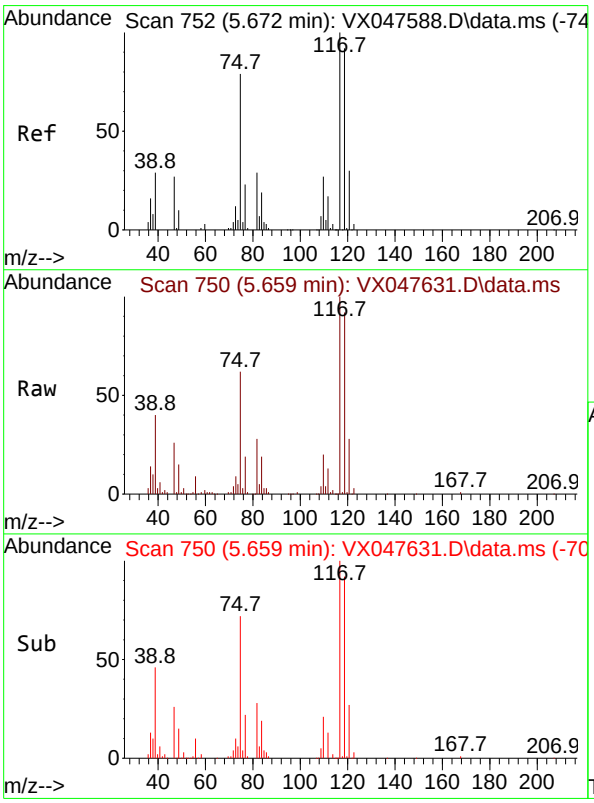
Ion	Ratio	Lower	Upper
43	100		
61	13.0	9.8	14.8
70	10.0	7.9	11.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025

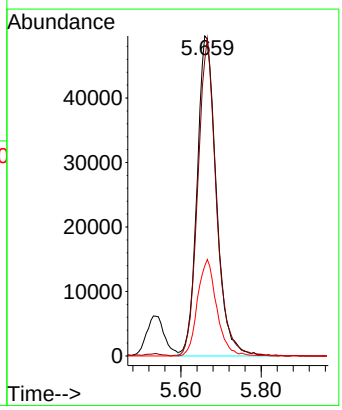


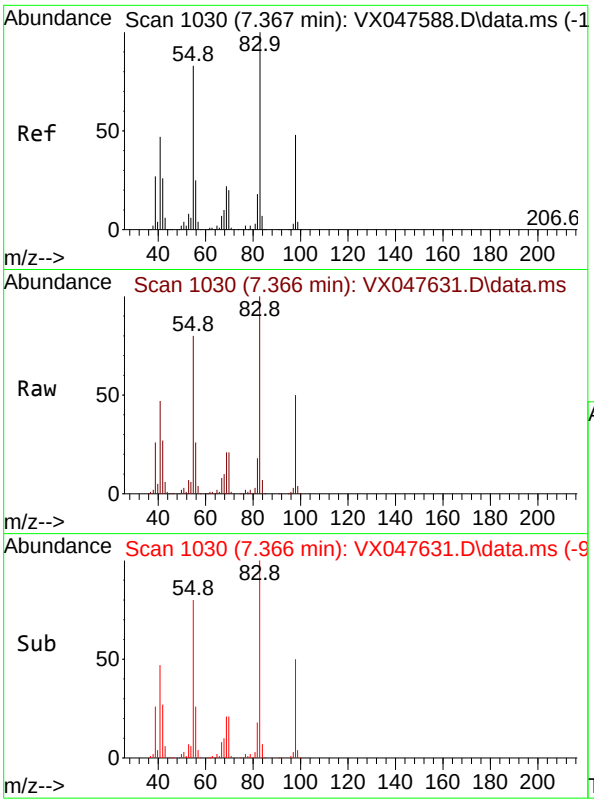


#38
Carbon Tetrachloride
Concen: 48.248 ug/l
RT: 5.659 min Scan# 750
Delta R.T. -0.012 min
Lab File: VX047631.D
Acq: 18 Sep 2025 11:30

Tgt Ion:117 Resp: 165399

Ion	Ratio	Lower	Upper
117	100		
119	92.3	73.4	110.2
121	28.2	23.8	35.6

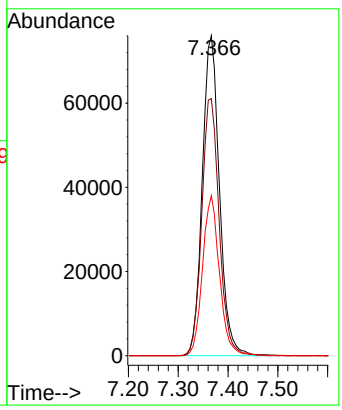




#39
Methylcyclohexane
Concen: 50.786 ug/l
RT: 7.366 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047631.D
Acq: 18 Sep 2025 11:30

Tgt Ion: 83 Resp: 18189

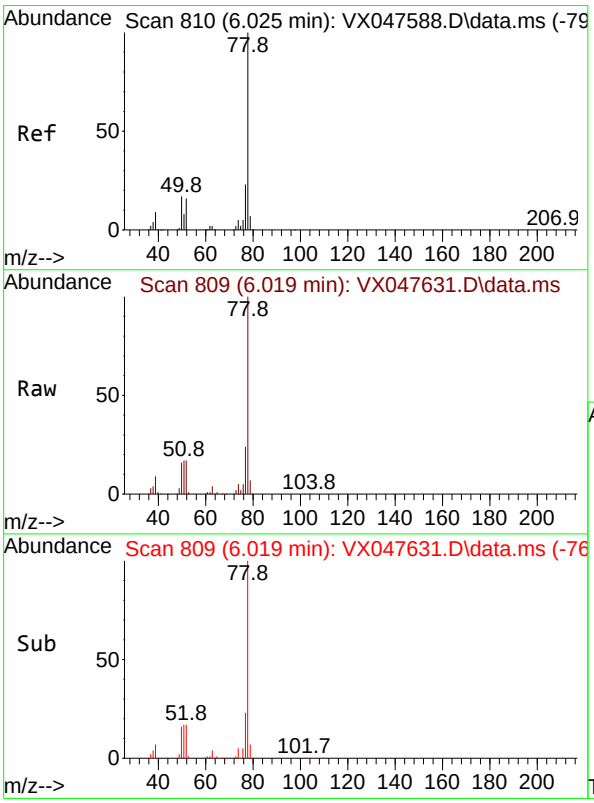
Ion	Ratio	Lower	Upper
83	100		
55	80.3	66.4	99.6
98	50.0	38.1	57.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

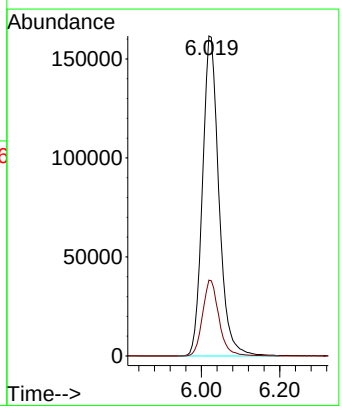
Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025

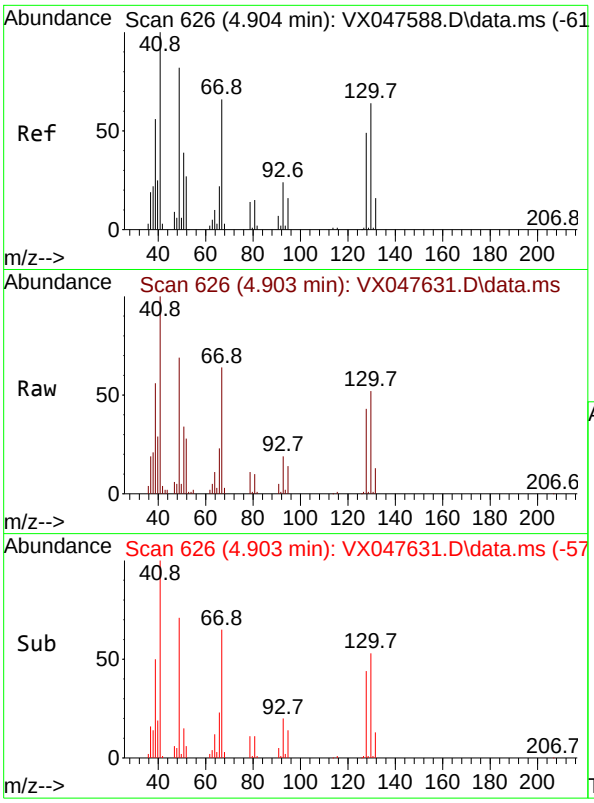


#40
Benzene
Concen: 48.975 ug/l
RT: 6.019 min Scan# 809
Delta R.T. -0.006 min
Lab File: VX047631.D
Acq: 18 Sep 2025 11:30

Tgt Ion: 78 Resp: 469333

Ion	Ratio	Lower	Upper
78	100		
77	23.7	18.8	28.2

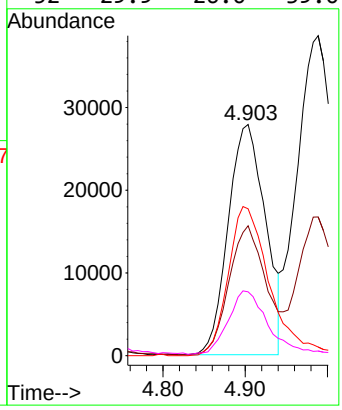




#41
Methacrylonitrile
Concen: 50.282 ug/l
RT: 4.903 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX047631.D
Acq: 18 Sep 2025 11:30

Tgt Ion: 41 Resp: 8769

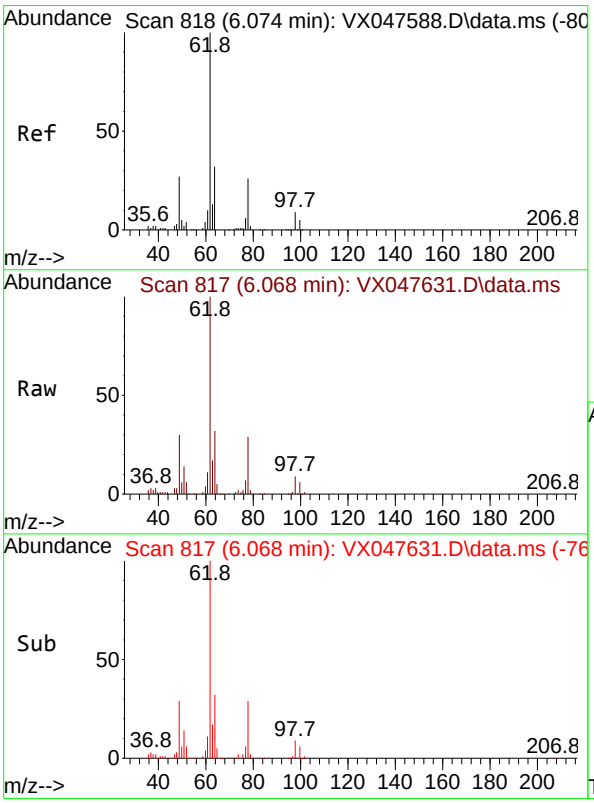
Ion	Ratio	Lower	Upper
41	100		
39	56.8	43.3	64.9
67	73.5	58.6	87.8
52	29.9	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

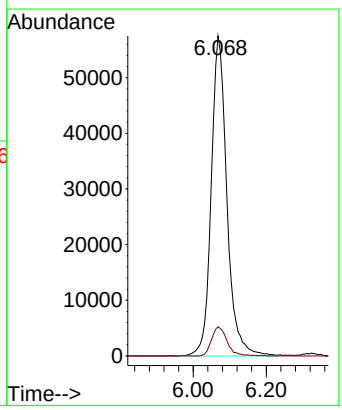
Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025

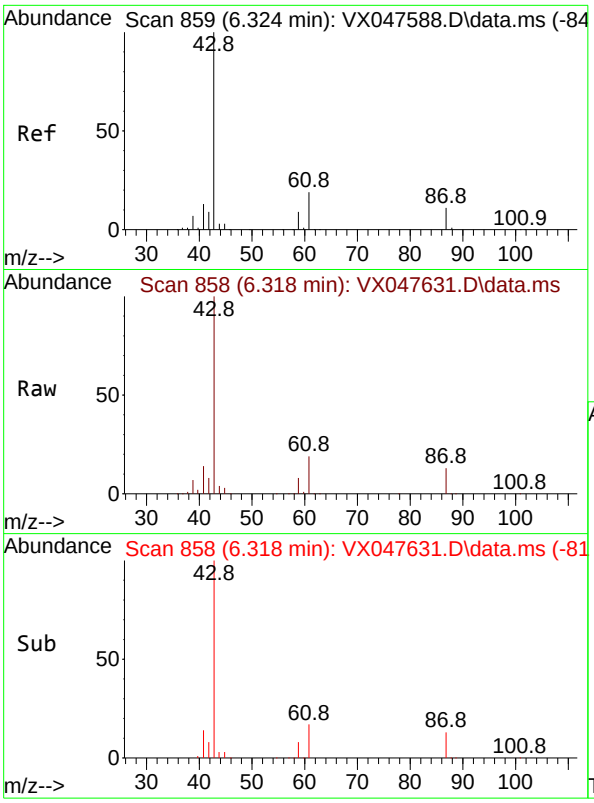


#42
1,2-Dichloroethane
Concen: 46.941 ug/l
RT: 6.068 min Scan# 817
Delta R.T. -0.006 min
Lab File: VX047631.D
Acq: 18 Sep 2025 11:30

Tgt Ion: 62 Resp: 171157

Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	17.0

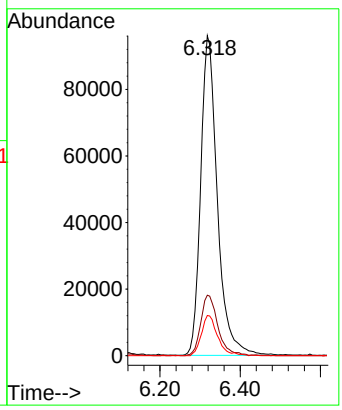




#43
Isopropyl Acetate
Concen: 50.094 ug/l
RT: 6.318 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX047631.D
Acq: 18 Sep 2025 11:30

Tgt Ion: 43 Resp: 27755

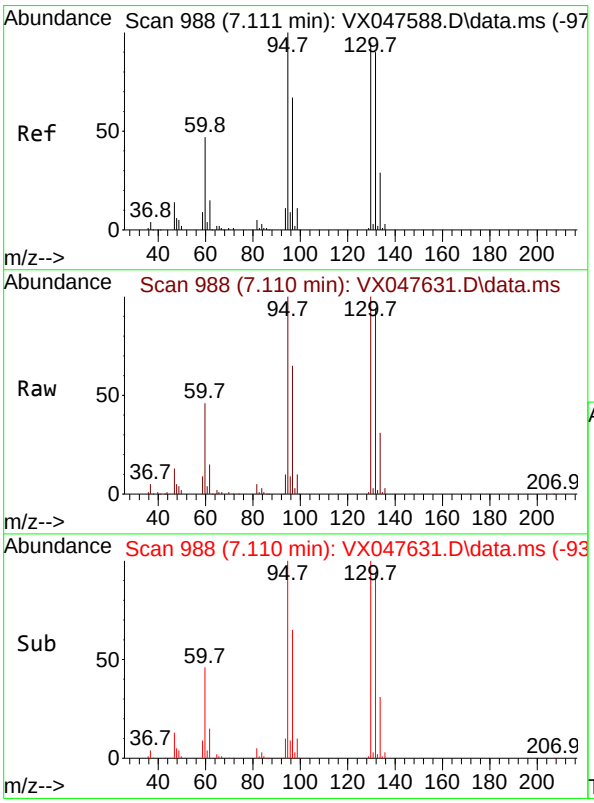
Ion	Ratio	Lower	Upper
43	100		
61	19.4	15.2	22.8
87	12.3	9.6	14.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

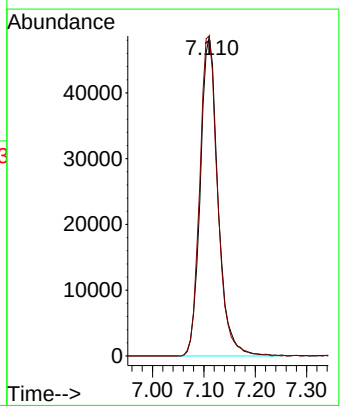
Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025

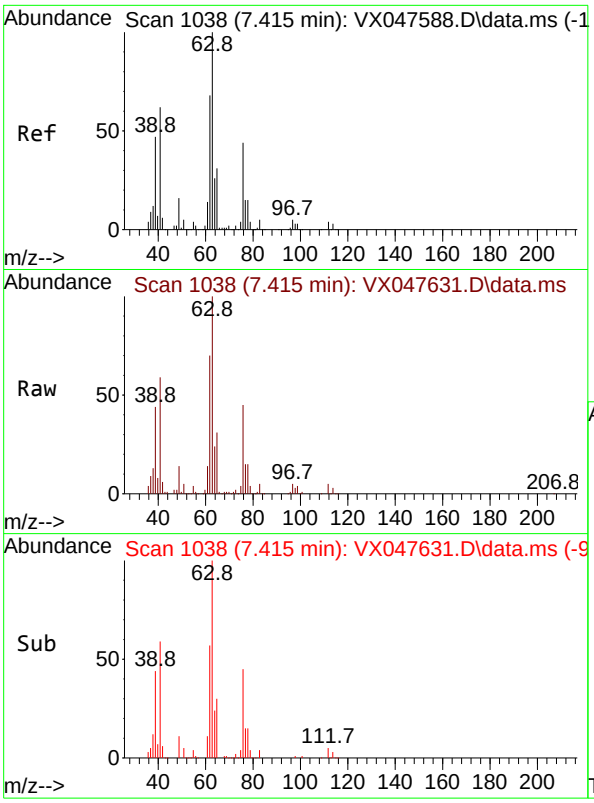


#44
Trichloroethene
Concen: 50.110 ug/l
RT: 7.110 min Scan# 988
Delta R.T. -0.000 min
Lab File: VX047631.D
Acq: 18 Sep 2025 11:30

Tgt Ion:130 Resp: 116097

Ion	Ratio	Lower	Upper
130	100		
95	100.2	0.0	210.8

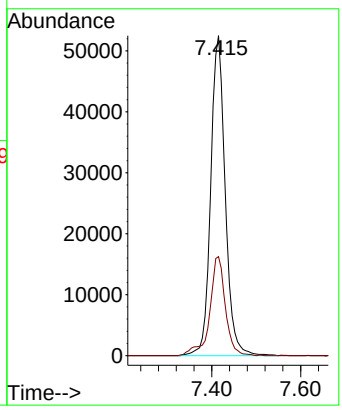




#45
1,2-Dichloropropane
Concen: 48.532 ug/l
RT: 7.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047631.D
Acq: 18 Sep 2025 11:30

Tgt Ion: 63 Resp: 11909

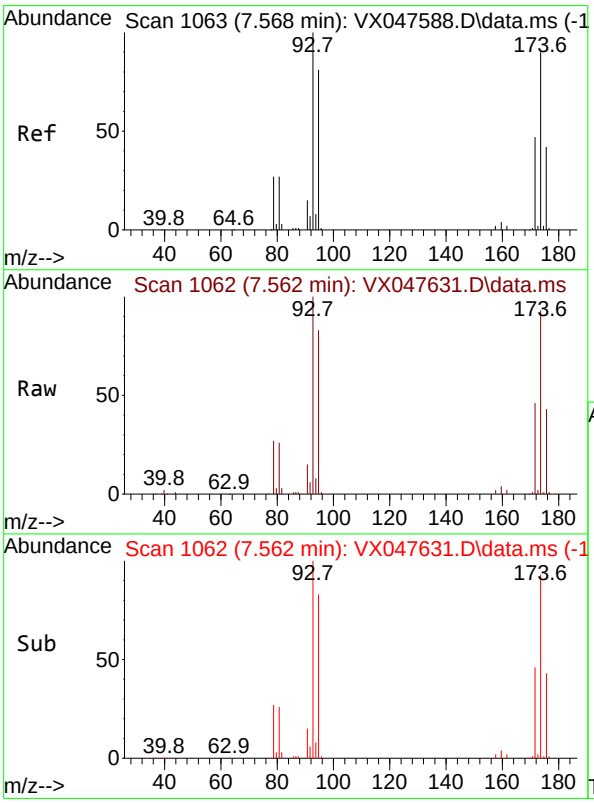
Ion	Ratio	Lower	Upper
63	100		
65	31.0	24.7	37.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

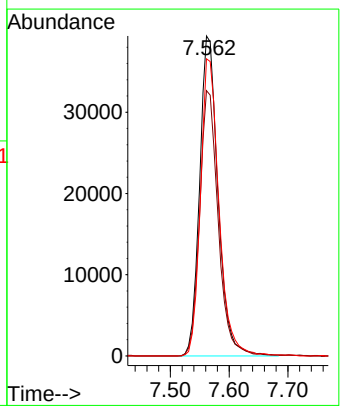
Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025

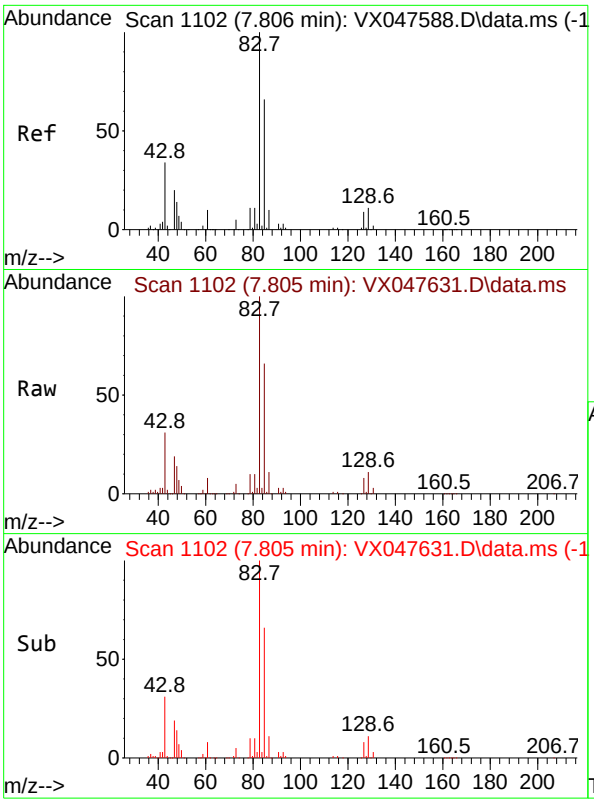


#46
Dibromomethane
Concen: 47.980 ug/l
RT: 7.562 min Scan# 1062
Delta R.T. -0.006 min
Lab File: VX047631.D
Acq: 18 Sep 2025 11:30

Tgt Ion: 93 Resp: 85677

Ion	Ratio	Lower	Upper
93	100		
95	83.9	65.0	97.6
174	93.7	71.6	107.4

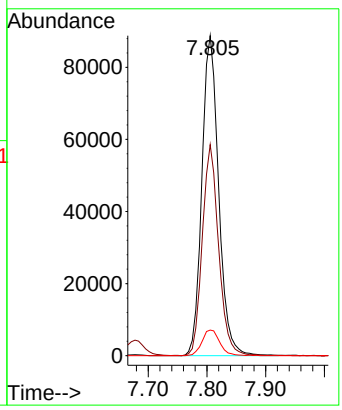




#47
Bromodichloromethane
Concen: 47.854 ug/l
RT: 7.805 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047631.D
Acq: 18 Sep 2025 11:30

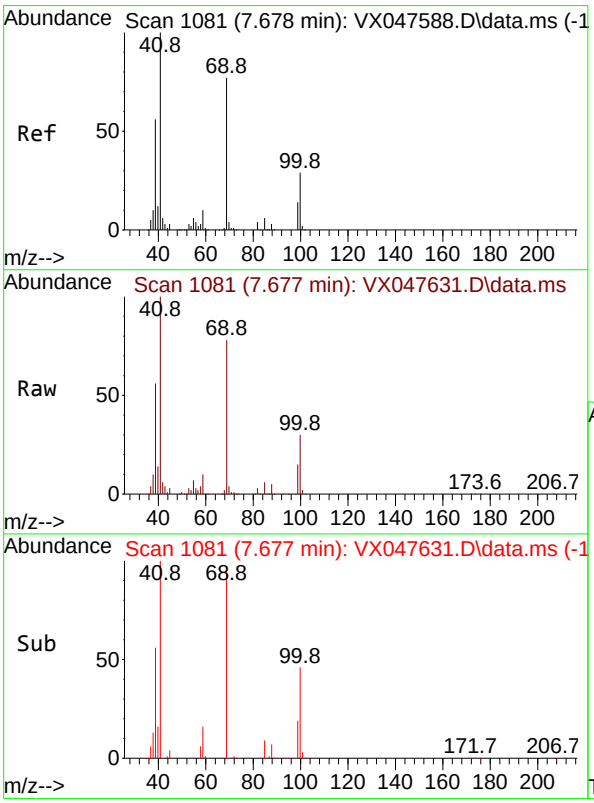
Tgt Ion: 83 Resp: 17633

Ion	Ratio	Lower	Upper
83	100		
85	65.9	52.5	78.7
127	8.0	6.9	10.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

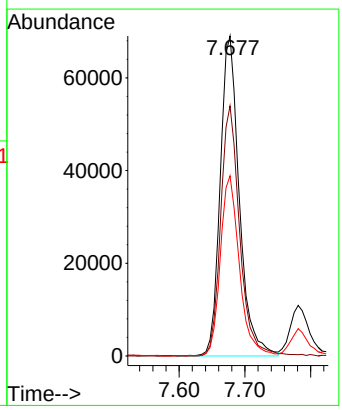
Manual Integrations APPROVED
Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025

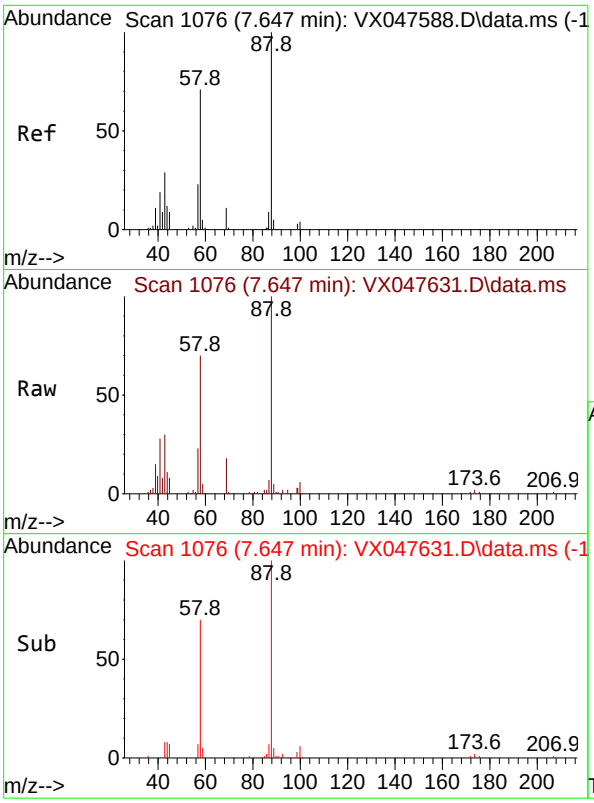


#48
Methyl methacrylate
Concen: 50.581 ug/l
RT: 7.677 min Scan# 1081
Delta R.T. -0.000 min
Lab File: VX047631.D
Acq: 18 Sep 2025 11:30

Tgt Ion: 41 Resp: 139596

Ion	Ratio	Lower	Upper
41	100		
69	78.1	61.4	92.2
39	56.1	45.8	68.6

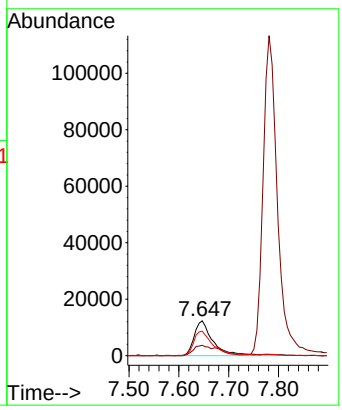




#49
1,4-Dioxane
Concen: 1171.777 ug/l
RT: 7.647 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047631.D
Acq: 18 Sep 2025 11:30

Tgt Ion: 88 Resp: 3268

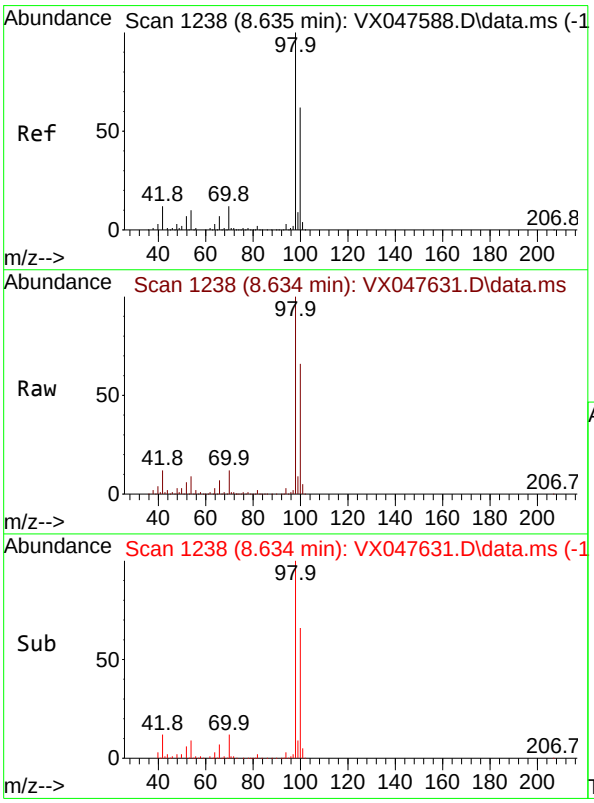
Ion	Ratio	Lower	Upper
88	100		
43	39.3	30.2	45.2
58	72.5	59.5	89.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

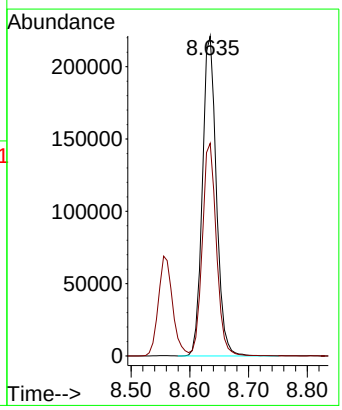
Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025

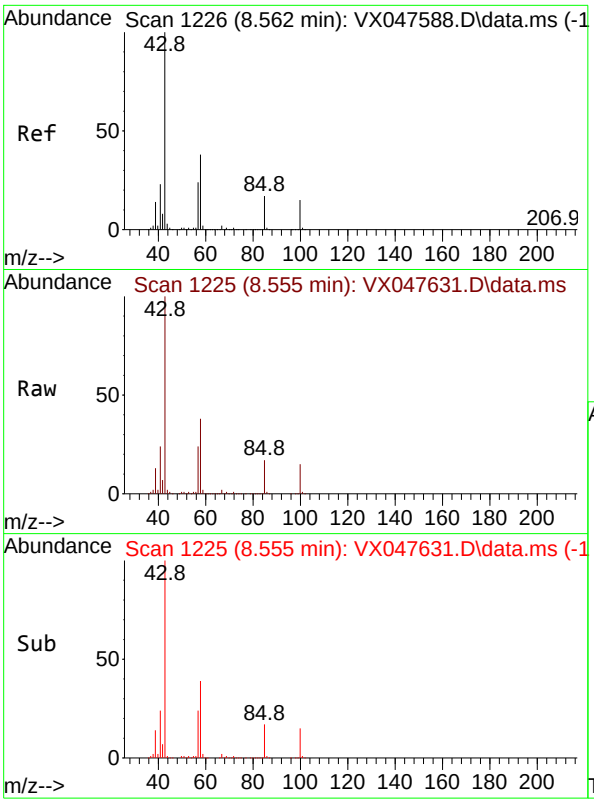


#50
Toluene-d8
Concen: 48.919 ug/l
RT: 8.634 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX047631.D
Acq: 18 Sep 2025 11:30

Tgt Ion: 98 Resp: 365497

Ion	Ratio	Lower	Upper
98	100		
100	67.1	53.0	79.4





#51
4-Methyl-2-Pentanone
Concen: 258.300 ug/l
RT: 8.555 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047631.D
Acq: 18 Sep 2025 11:30

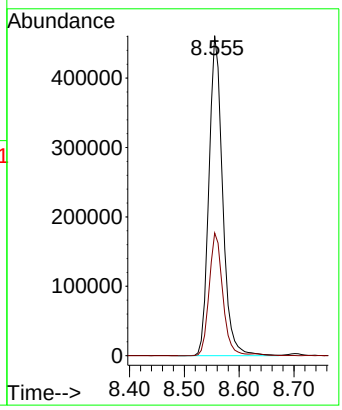
Tgt Ion: 43 Resp: 79348

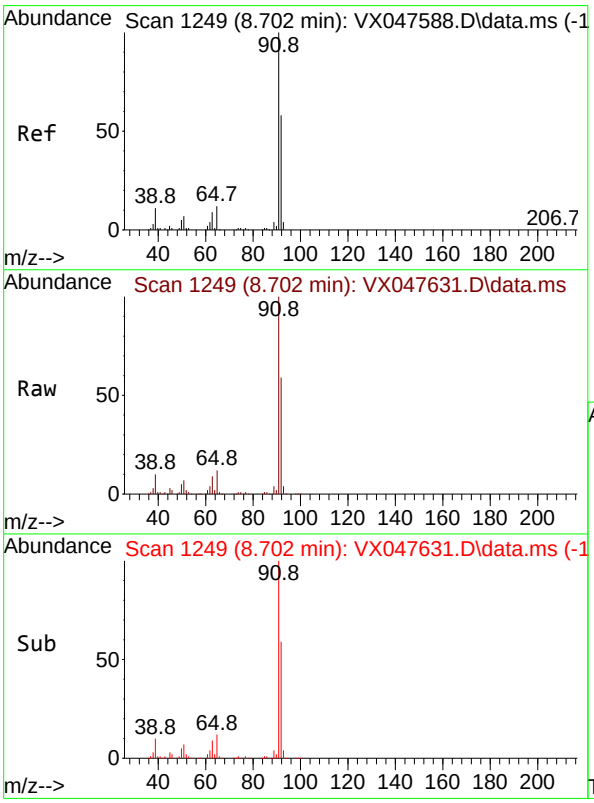
Ion	Ratio	Lower	Upper
43	100		
58	38.1	30.3	45.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025

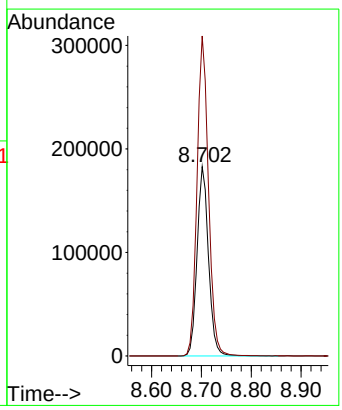


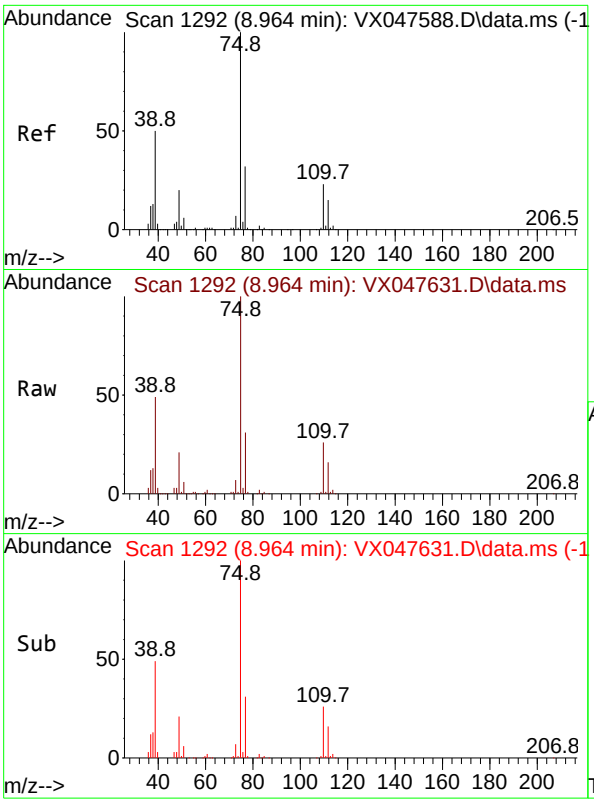


#52
Toluene
Concen: 49.210 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX047631.D
Acq: 18 Sep 2025 11:30

Tgt Ion: 92 Resp: 290542

Ion	Ratio	Lower	Upper
92	100		
91	169.5	137.1	205.7

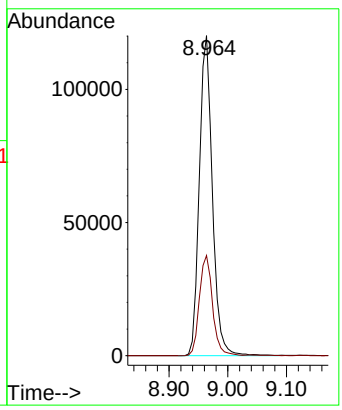




#53
t-1,3-Dichloropropene
Concen: 49.152 ug/l
RT: 8.964 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047631.D
Acq: 18 Sep 2025 11:30

Tgt Ion: 75 Resp: 18474

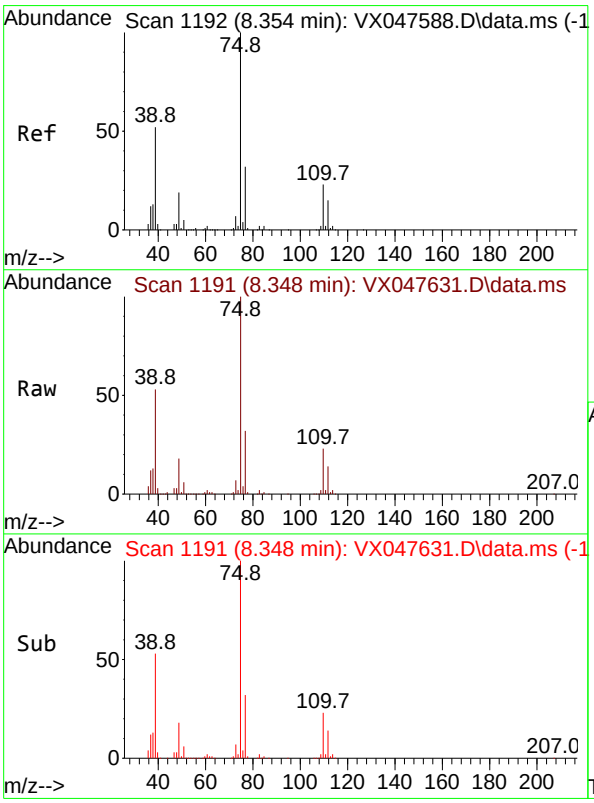
Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.4	38.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

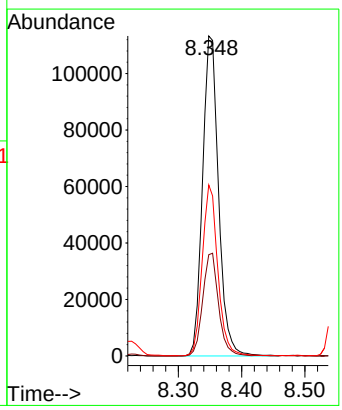
Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025

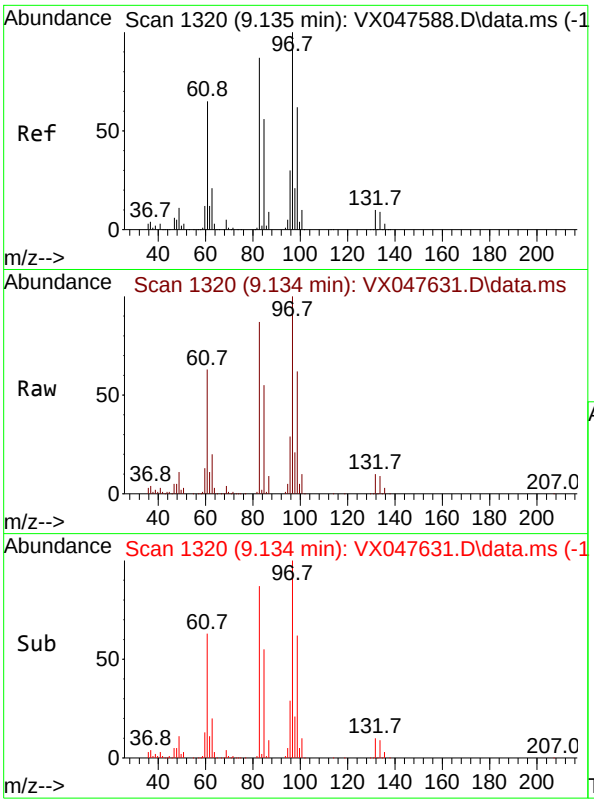


#54
cis-1,3-Dichloropropene
Concen: 49.652 ug/l
RT: 8.348 min Scan# 1191
Delta R.T. -0.006 min
Lab File: VX047631.D
Acq: 18 Sep 2025 11:30

Tgt Ion: 75 Resp: 199468

Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.8	38.6
39	53.3	41.4	62.2

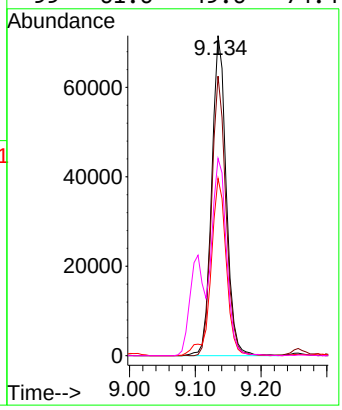




#55
1,1,2-Trichloroethane
Concen: 48.359 ug/l
RT: 9.134 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047631.D
Acq: 18 Sep 2025 11:30

Tgt Ion: 97 Resp: 11009

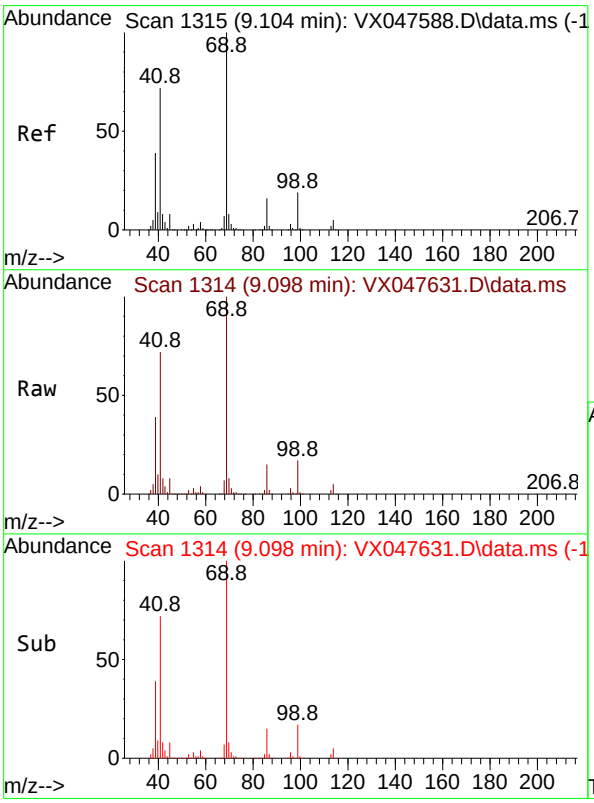
Ion	Ratio	Lower	Upper
97	100		
83	87.3	69.6	104.4
85	55.3	45.0	67.6
99	61.6	49.6	74.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

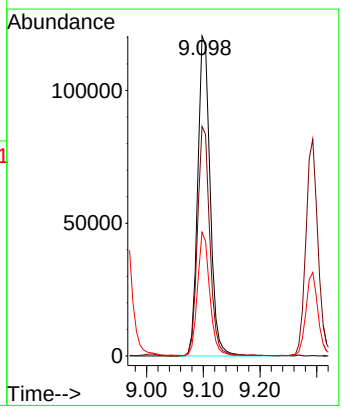
Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025

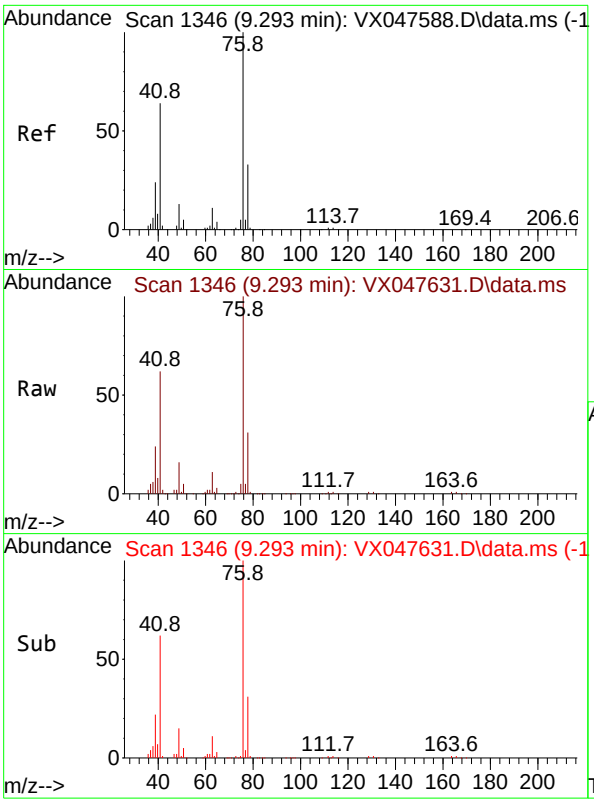


#56
Ethyl methacrylate
Concen: 51.260 ug/l
RT: 9.098 min Scan# 1314
Delta R.T. -0.006 min
Lab File: VX047631.D
Acq: 18 Sep 2025 11:30

Tgt Ion: 69 Resp: 183269

Ion	Ratio	Lower	Upper
69	100		
41	71.3	58.6	87.8
39	38.0	31.5	47.3

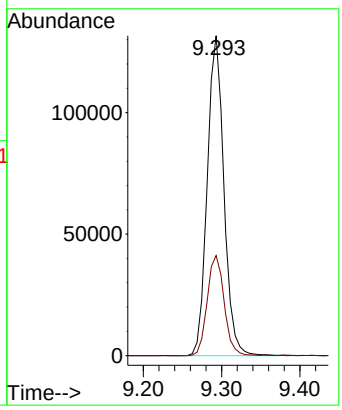




#57
1,3-Dichloropropane
Concen: 49.591 ug/l
RT: 9.293 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047631.D
Acq: 18 Sep 2025 11:30

Tgt Ion: 76 Resp: 19394

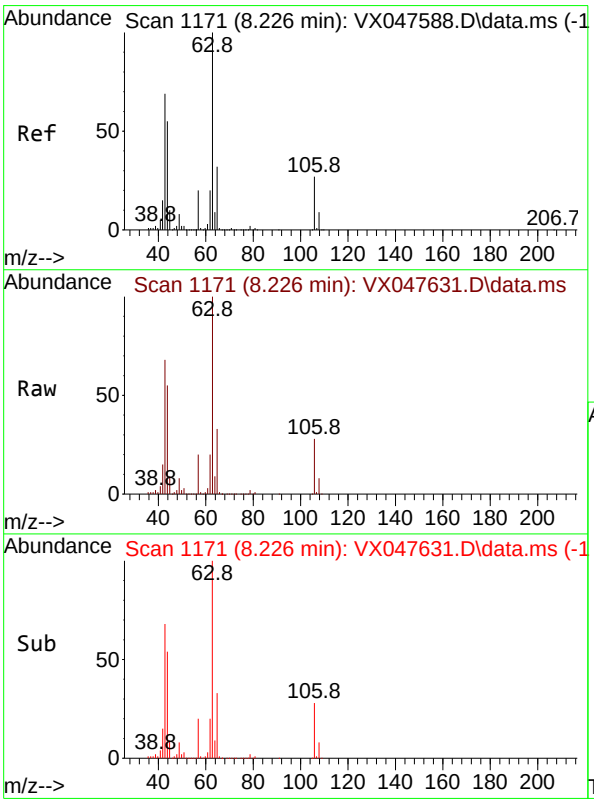
Ion	Ratio	Lower	Upper
76	100		
78	31.9	26.2	39.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

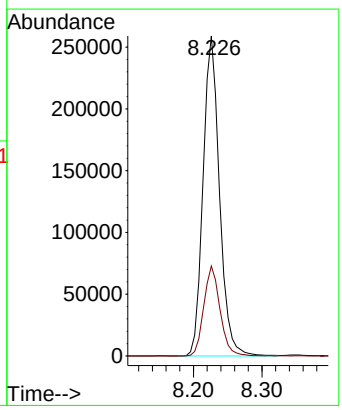
Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025

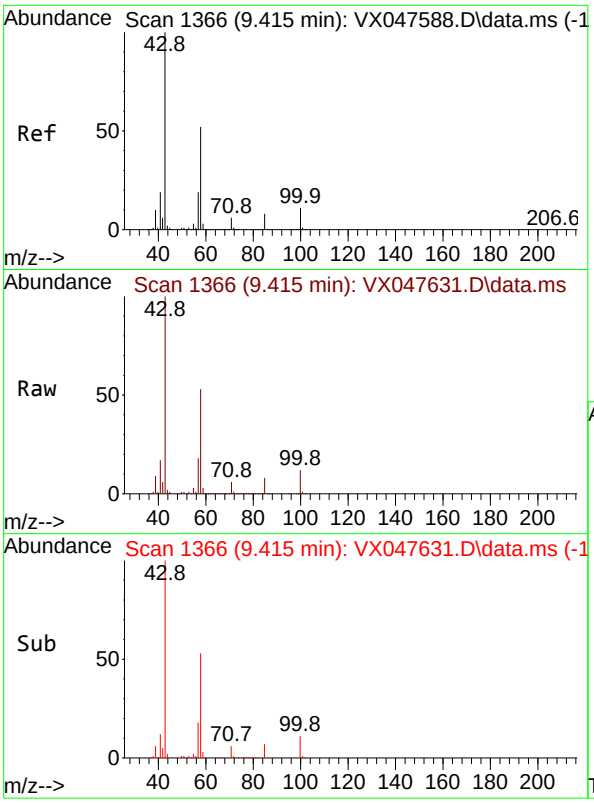


#58
2-Chloroethyl Vinyl ether
Concen: 252.582 ug/l
RT: 8.226 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VX047631.D
Acq: 18 Sep 2025 11:30

Tgt Ion: 63 Resp: 431737

Ion	Ratio	Lower	Upper
63	100		
106	27.8	21.9	32.9





#59
2-Hexanone
Concen: 265.979 ug/l
RT: 9.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047631.D
Acq: 18 Sep 2025 11:30

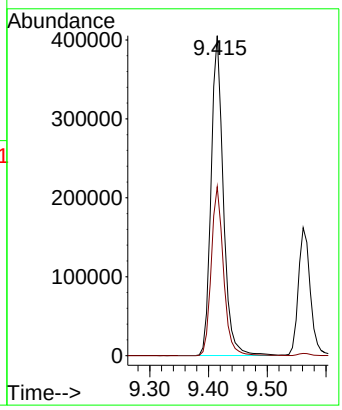
Tgt Ion: 43 Resp: 58682

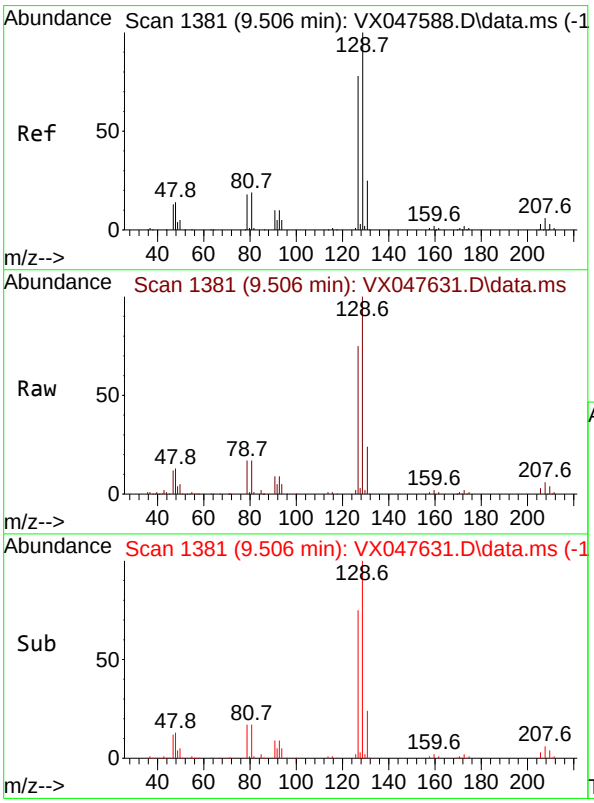
Ion	Ratio	Lower	Upper
43	100		
58	53.0	26.1	78.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025

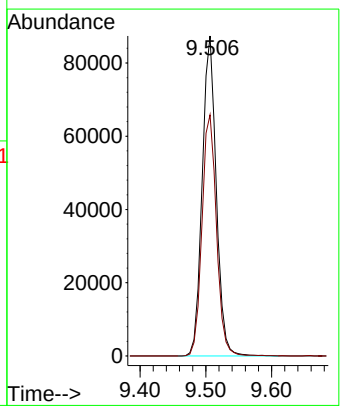


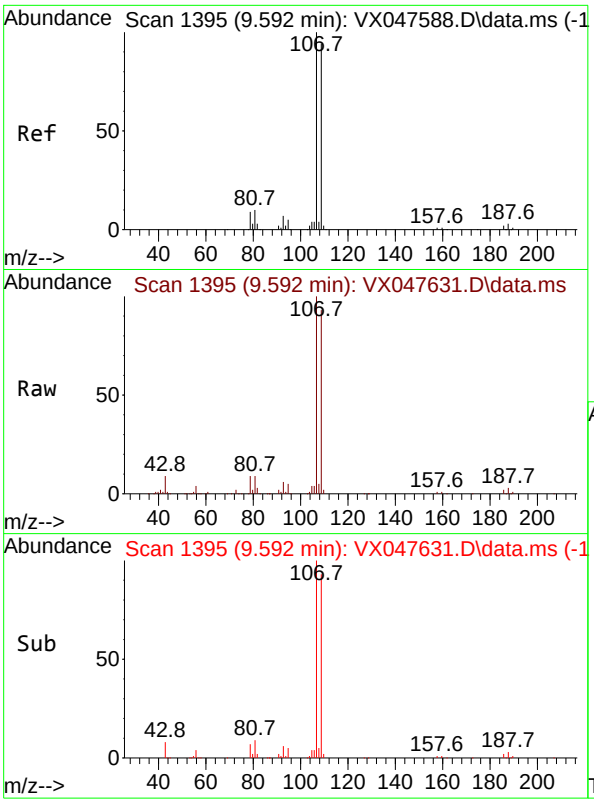


#60
Dibromochloromethane
Concen: 49.448 ug/l
RT: 9.506 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VX047631.D
Acq: 18 Sep 2025 11:30

Tgt Ion:129 Resp: 129710

Ion	Ratio	Lower	Upper
129	100		
127	77.9	38.4	115.2

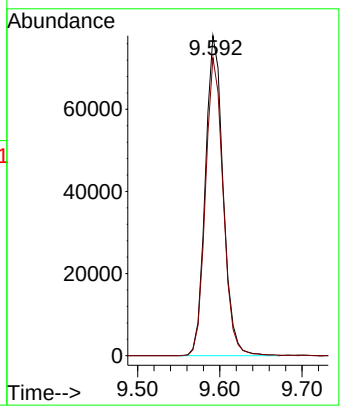




#61
1,2-Dibromoethane
Concen: 50.547 ug/l
RT: 9.592 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047631.D
Acq: 18 Sep 2025 11:30

Tgt Ion:107 Resp: 11720

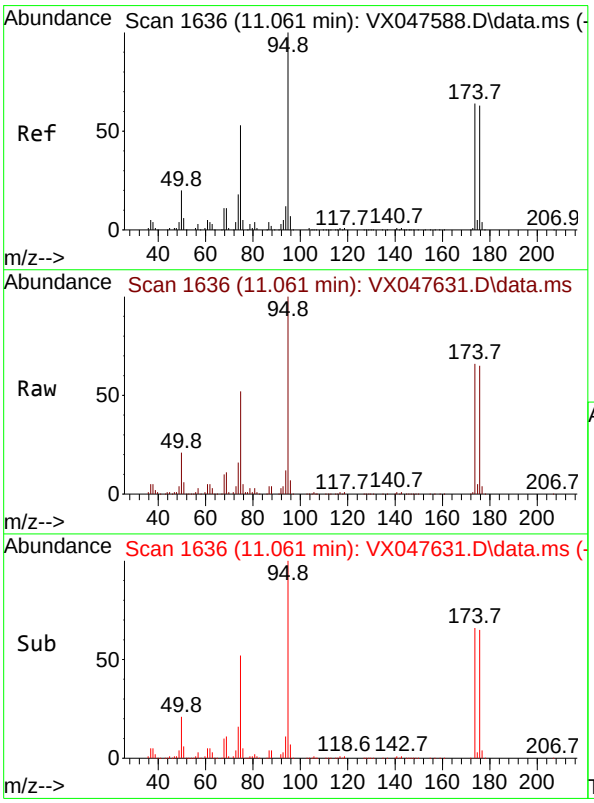
Ion	Ratio	Lower	Upper
107	100		
109	92.9	75.3	112.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

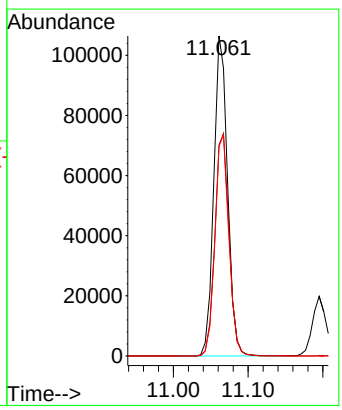
Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025

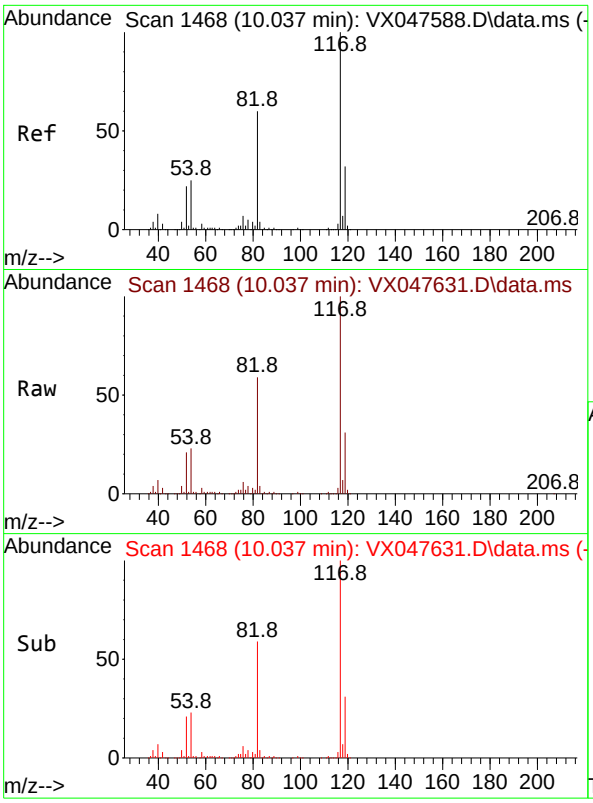


#62
4-Bromofluorobenzene
Concen: 47.883 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX047631.D
Acq: 18 Sep 2025 11:30

Tgt Ion: 95 Resp: 135773

Ion	Ratio	Lower	Upper
95	100		
174	71.8	0.0	141.6
176	69.9	0.0	138.4

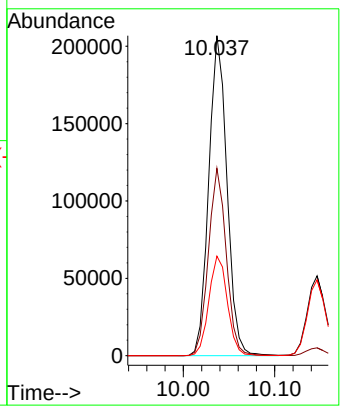




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047631.D
Acq: 18 Sep 2025 11:30

Tgt Ion:117 Resp: 28540

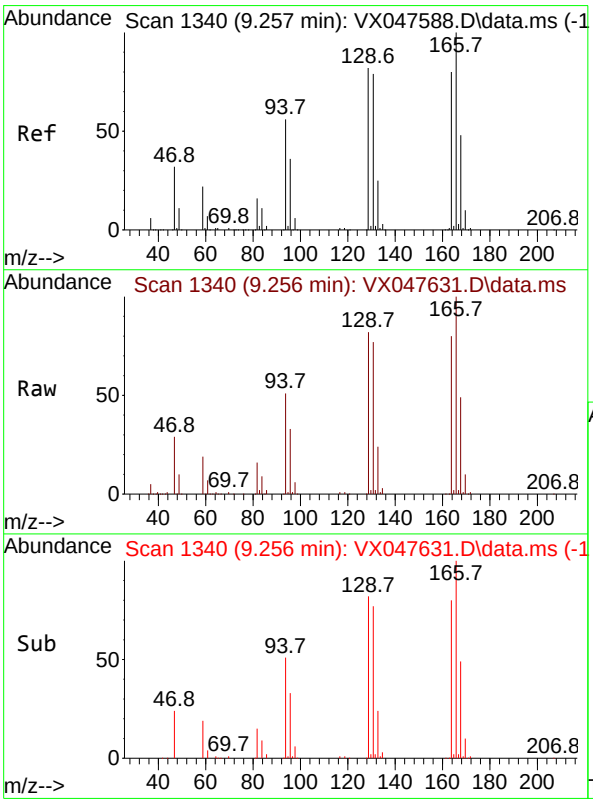
Ion	Ratio	Lower	Upper
117	100		
82	58.5	47.8	71.6
119	31.1	25.2	37.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

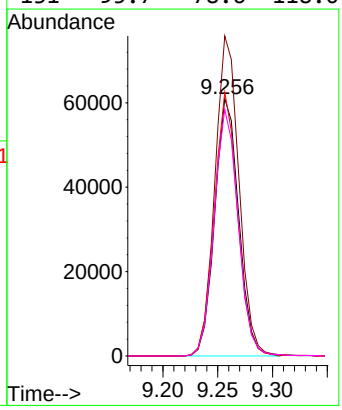
Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025

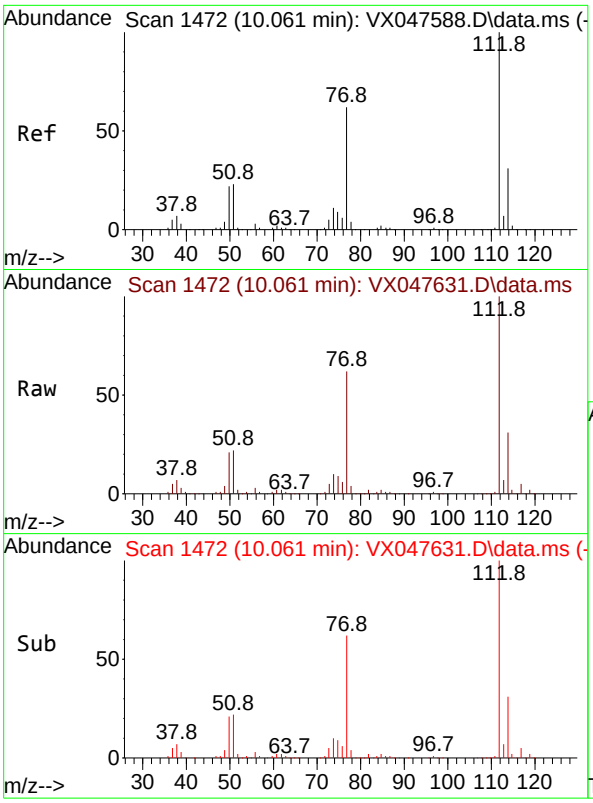


#64
Tetrachloroethene
Concen: 49.688 ug/l
RT: 9.256 min Scan# 1340
Delta R.T. -0.000 min
Lab File: VX047631.D
Acq: 18 Sep 2025 11:30

Tgt Ion:164 Resp: 92448

Ion	Ratio	Lower	Upper
164	100		
166	124.3	100.2	150.2
129	102.5	81.8	122.6
131	95.7	78.6	118.0

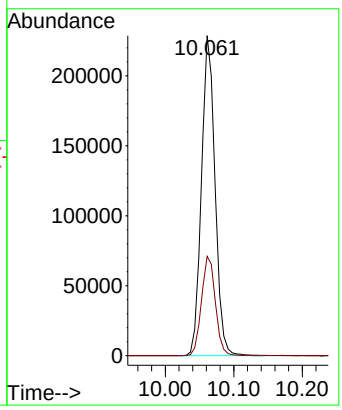




#65
Chlorobenzene
Concen: 48.658 ug/l
RT: 10.061 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047631.D
Acq: 18 Sep 2025 11:30

Tgt Ion:112 Resp: 31549

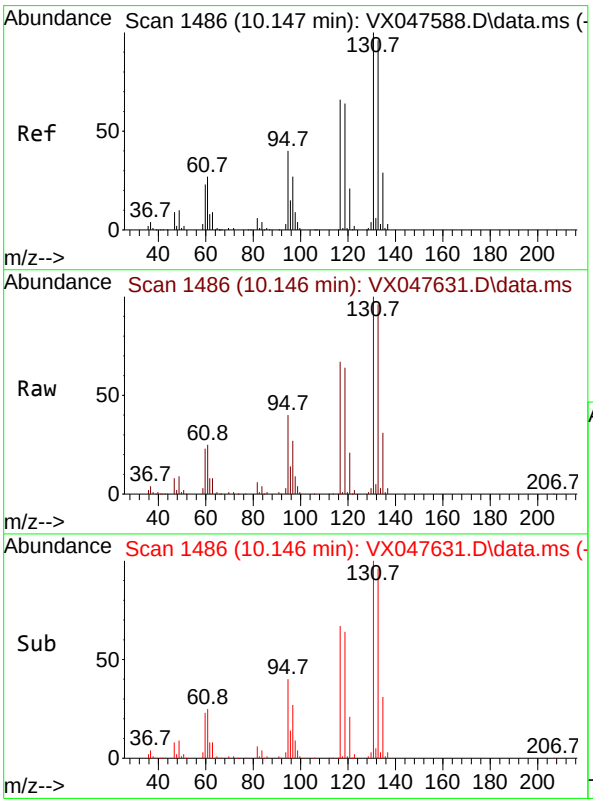
Ion	Ratio	Lower	Upper
112	100		
114	31.0	25.1	37.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

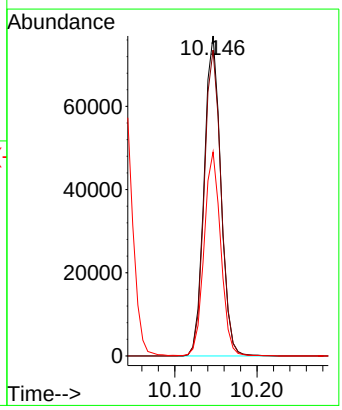
Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025

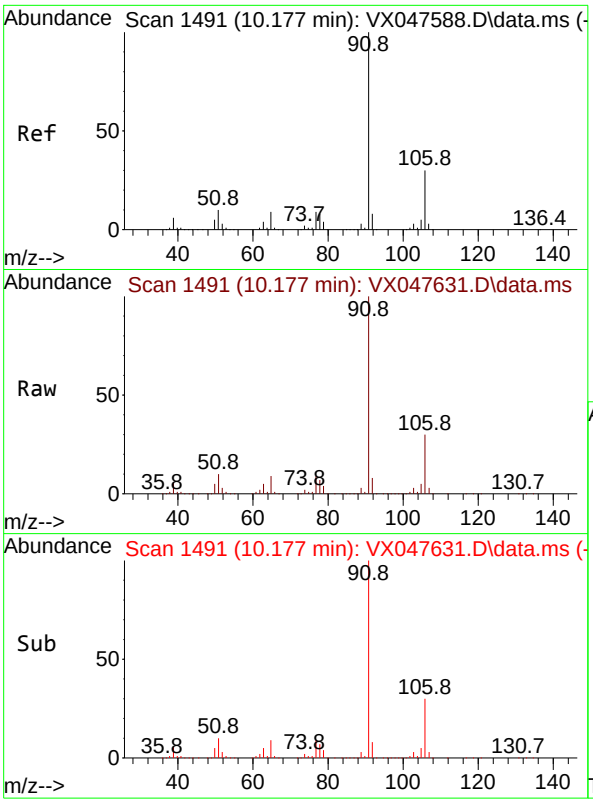


#66
1,1,1,2-Tetrachloroethane
Concen: 48.347 ug/l
RT: 10.146 min Scan# 1486
Delta R.T. -0.000 min
Lab File: VX047631.D
Acq: 18 Sep 2025 11:30

Tgt Ion:131 Resp: 108173

Ion	Ratio	Lower	Upper
131	100		
133	96.7	47.3	142.0
119	63.7	32.0	96.0





#67
Ethyl Benzene
Concen: 49.445 ug/l
RT: 10.177 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047631.D
Acq: 18 Sep 2025 11:30

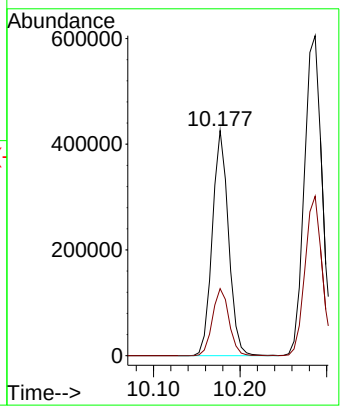
Tgt Ion: 91 Resp: 55317

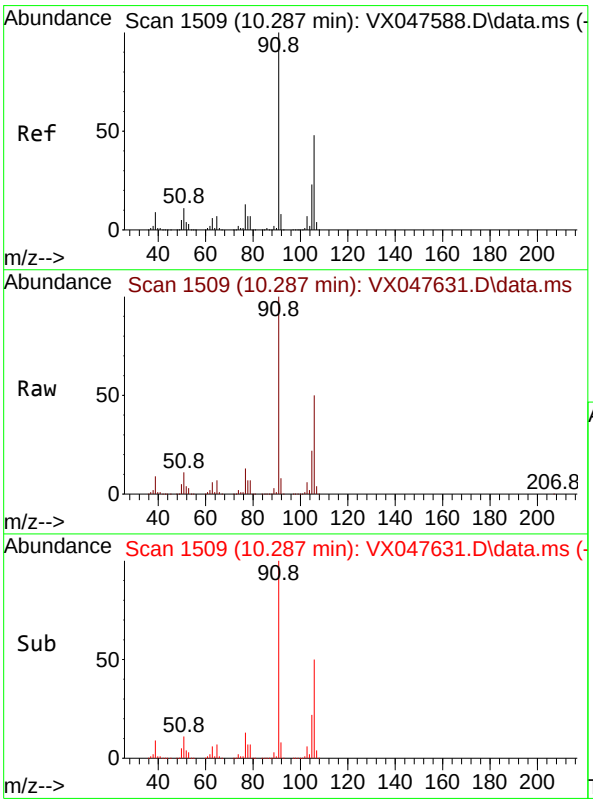
Ion	Ratio	Lower	Upper
91	100		
106	29.8	24.3	36.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025

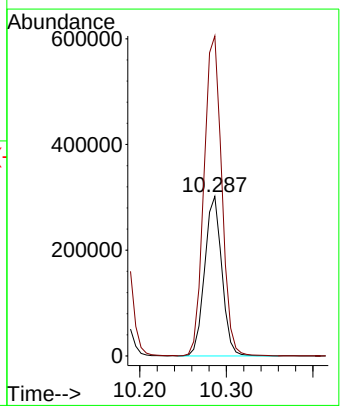


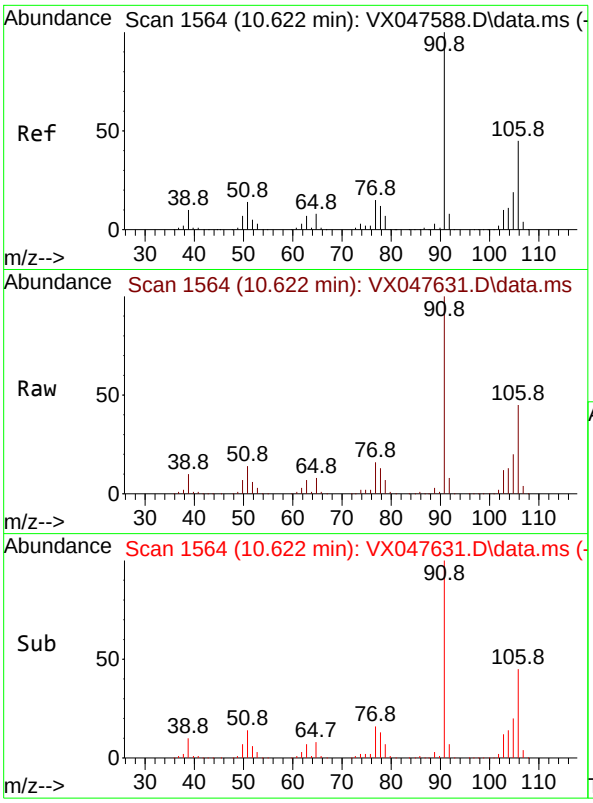


#68
m/p-Xylenes
Concen: 99.659 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VX047631.D
Acq: 18 Sep 2025 11:30

Tgt Ion:106 Resp: 414989

Ion	Ratio	Lower	Upper
106	100		
91	207.5	167.8	251.8

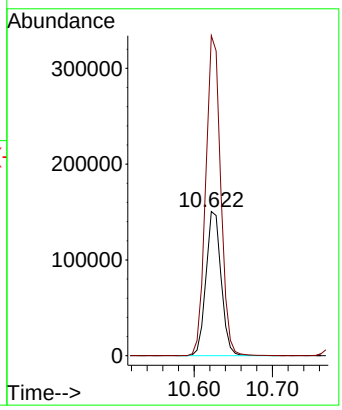




#69
o-Xylene
Concen: 50.060 ug/l
RT: 10.622 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047631.D
Acq: 18 Sep 2025 11:30

Tgt Ion:106 Resp: 20162

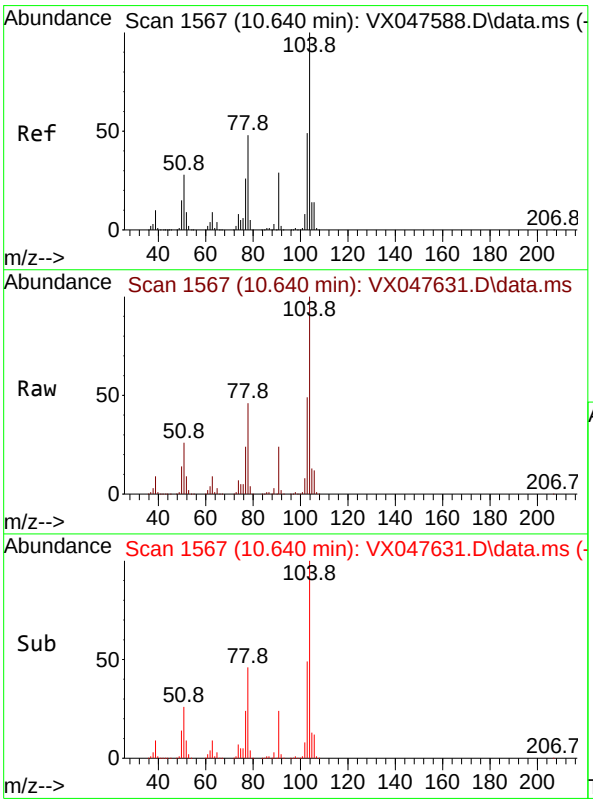
Ion	Ratio	Lower	Upper
106	100		
91	219.3	111.1	333.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

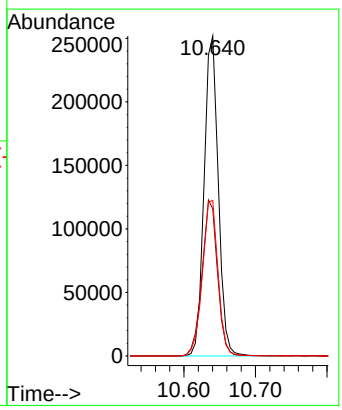
Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025

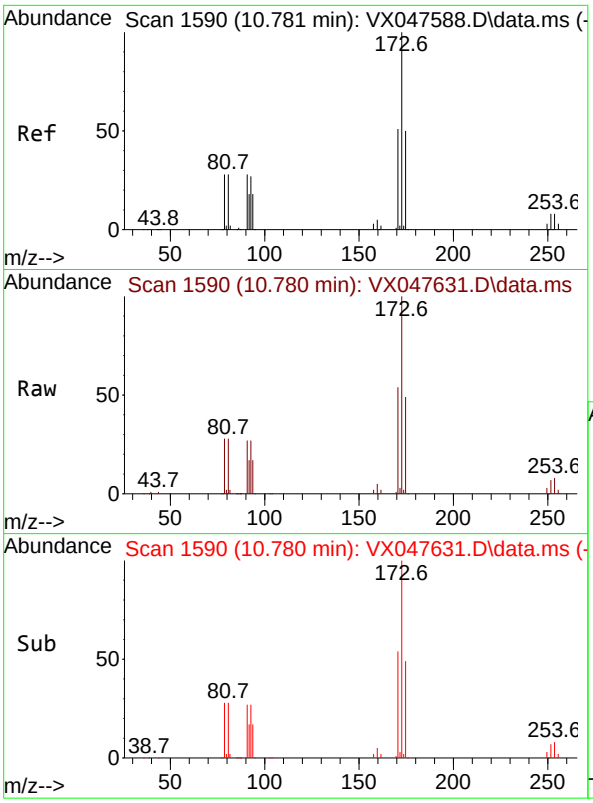


#70
Styrene
Concen: 49.233 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX047631.D
Acq: 18 Sep 2025 11:30

Tgt Ion:104 Resp: 347448

Ion	Ratio	Lower	Upper
104	100		
78	53.1	43.1	64.7
103	53.6	43.1	64.7

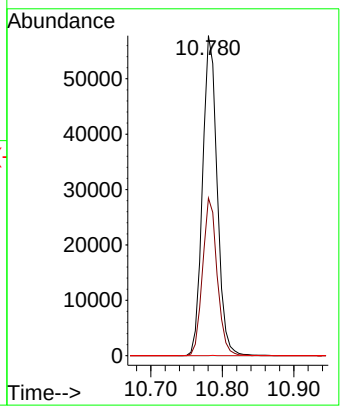




#71
Bromoform
Concen: 49.177 ug/l
RT: 10.780 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047631.D
Acq: 18 Sep 2025 11:30

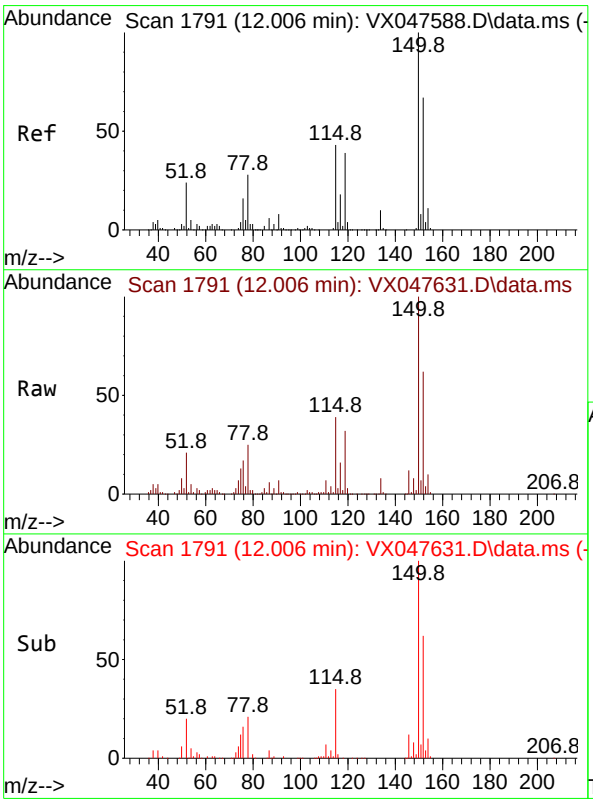
Tgt Ion:173 Resp: 8215

Ion	Ratio	Lower	Upper
173	100		
175	49.0	24.9	74.6
254	0.0	0.1	0.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

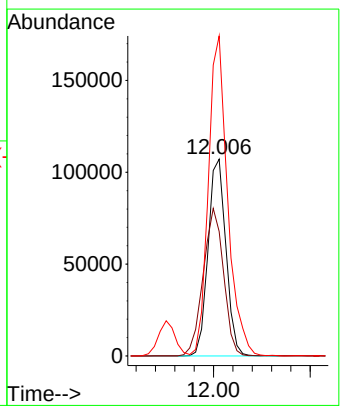
Manual Integrations APPROVED
Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025

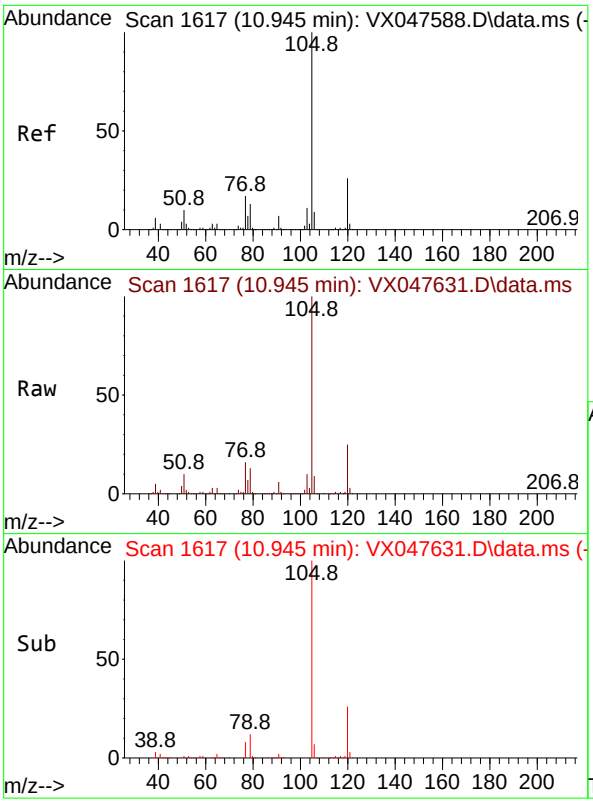


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047631.D
Acq: 18 Sep 2025 11:30

Tgt Ion:152 Resp: 137093

Ion	Ratio	Lower	Upper
152	100		
115	86.0	44.9	134.5
150	175.1	0.0	352.0

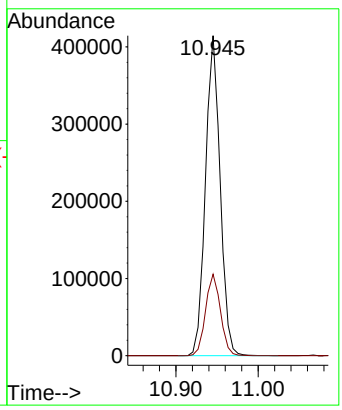




#73
Isopropylbenzene
Concen: 49.191 ug/l
RT: 10.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047631.D
Acq: 18 Sep 2025 11:30

Tgt Ion:105 Resp: 51270

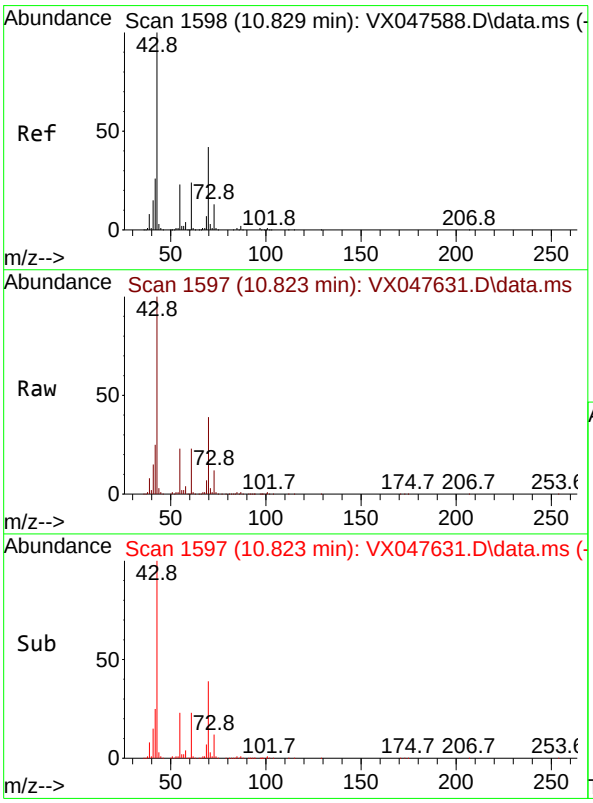
Ion	Ratio	Lower	Upper
105	100		
120	25.8	12.8	38.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

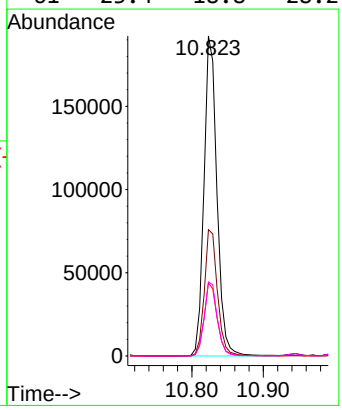
Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025

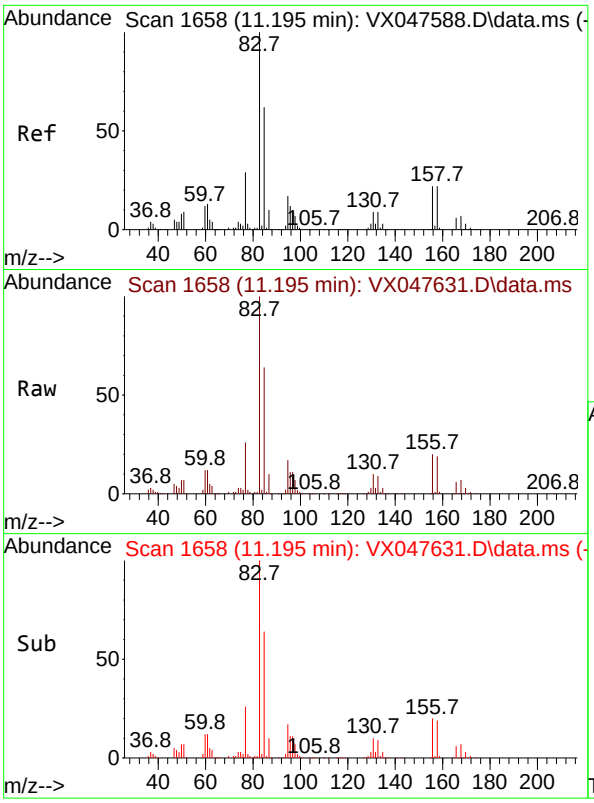


#74
N-amyl acetate
Concen: 51.046 ug/l
RT: 10.823 min Scan# 1597
Delta R.T. -0.006 min
Lab File: VX047631.D
Acq: 18 Sep 2025 11:30

Tgt Ion: 43 Resp: 242616

Ion	Ratio	Lower	Upper
43	100		
70	39.9	32.0	48.0
55	23.2	18.9	28.3
61	23.4	18.8	28.2

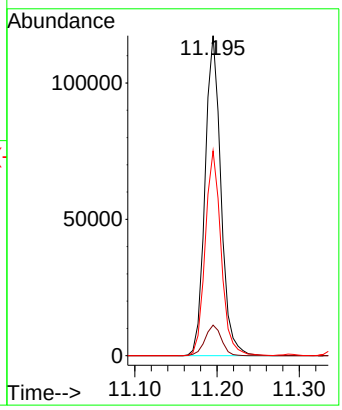




#75
1,1,2,2-Tetrachloroethane
Concen: 49.820 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047631.D
Acq: 18 Sep 2025 11:30

Tgt Ion: 83 Resp: 15710

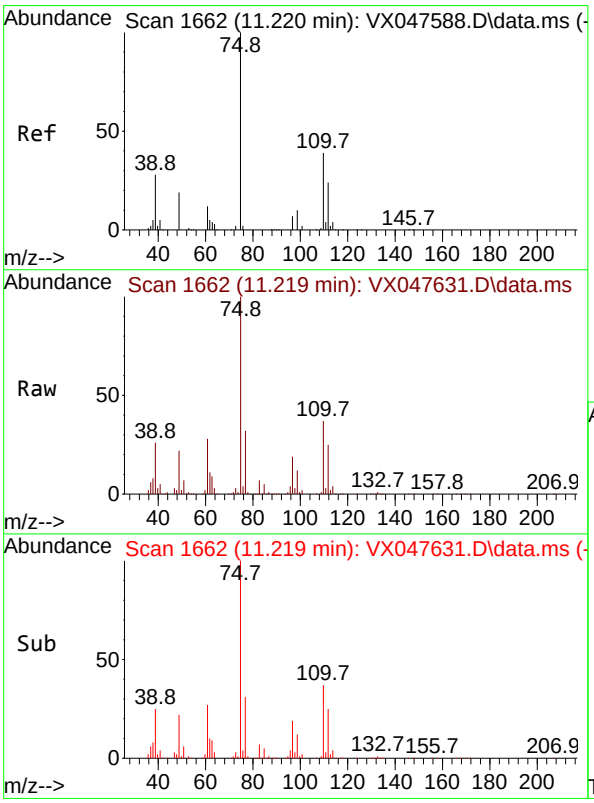
Ion	Ratio	Lower	Upper
83	100		
131	9.9	5.0	14.9
85	64.2	31.6	95.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

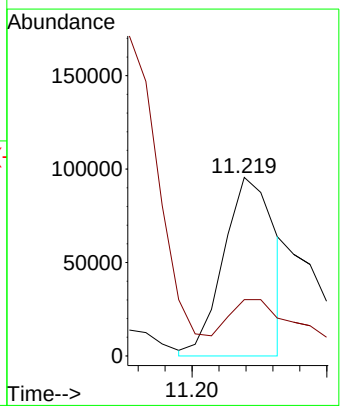
Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025

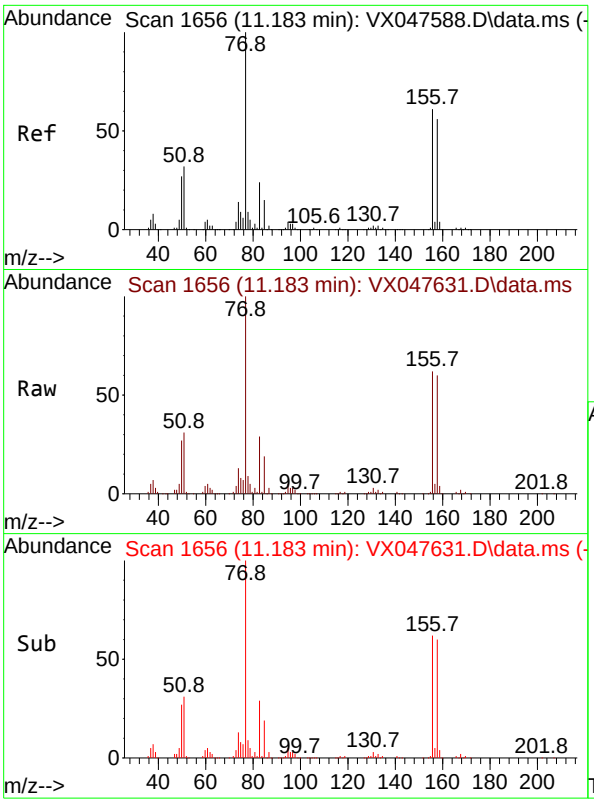


#76
1,2,3-Trichloropropane
Concen: 45.234 ug/l m
RT: 11.219 min Scan# 1662
Delta R.T. -0.000 min
Lab File: VX047631.D
Acq: 18 Sep 2025 11:30

Tgt Ion: 75 Resp: 125555

Ion	Ratio	Lower	Upper
75	100		
77	44.0	18.8	56.4

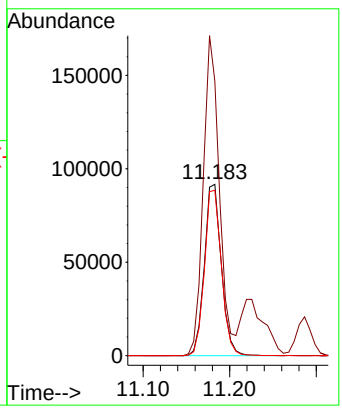




#77
Bromobenzene
Concen: 48.723 ug/l
RT: 11.183 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047631.D
Acq: 18 Sep 2025 11:30

Tgt Ion:156 Resp: 12507

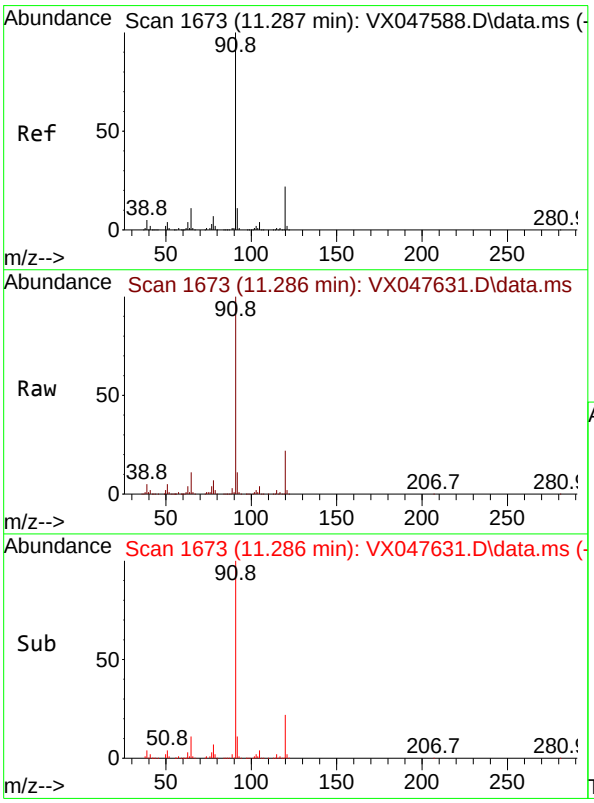
Ion	Ratio	Lower	Upper
156	100		
77	177.3	89.7	269.1
158	96.4	47.9	143.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

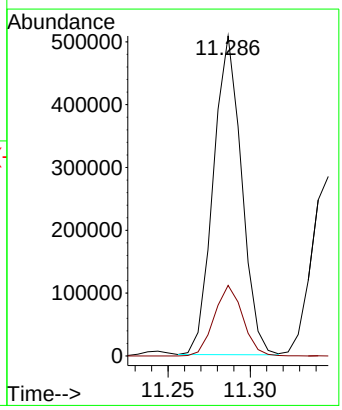
Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025

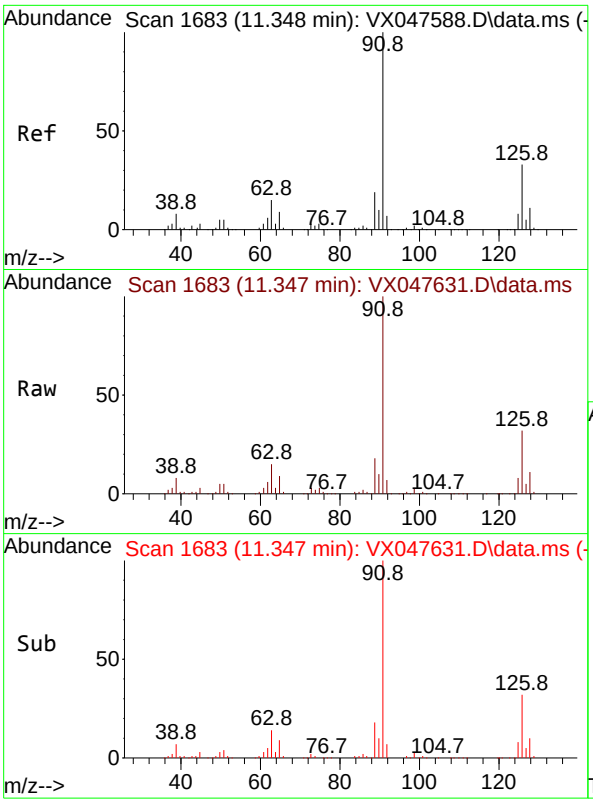


#78
n-propylbenzene
Concen: 49.266 ug/l
RT: 11.286 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX047631.D
Acq: 18 Sep 2025 11:30

Tgt Ion: 91 Resp: 606998

Ion	Ratio	Lower	Upper
91	100		
120	22.3	11.1	33.1





#79
2-Chlorotoluene
Concen: 48.608 ug/l
RT: 11.347 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047631.D
Acq: 18 Sep 2025 11:30

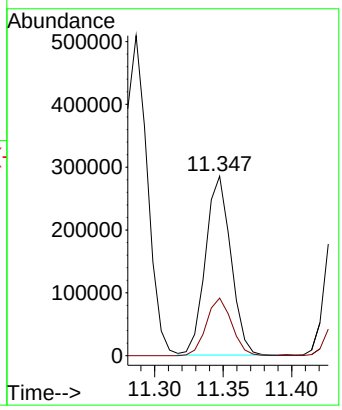
Tgt Ion: 91 Resp: 36680

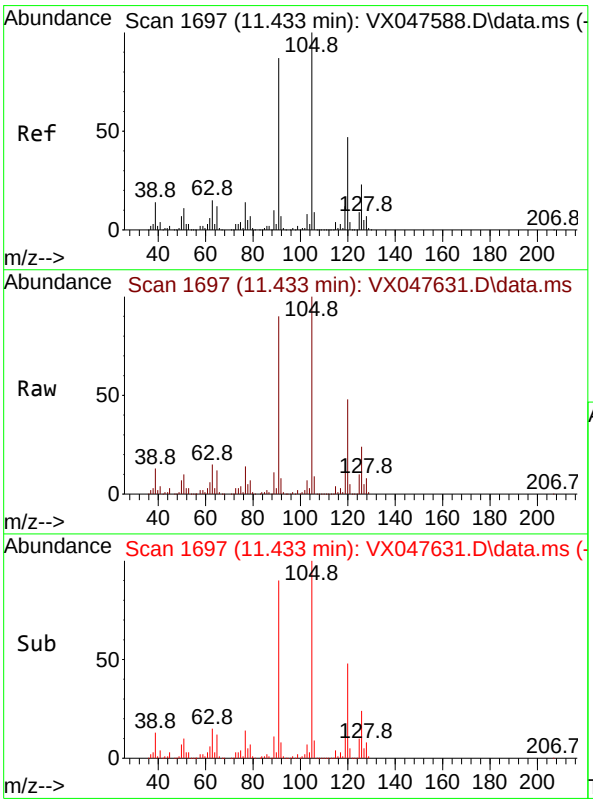
Ion	Ratio	Lower	Upper
91	100		
126	32.2	16.1	48.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025

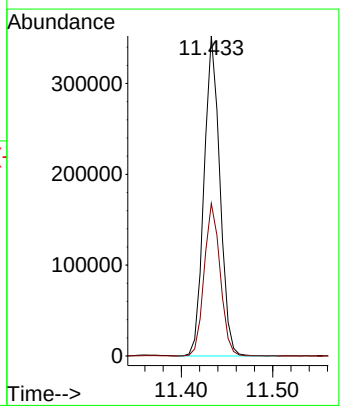


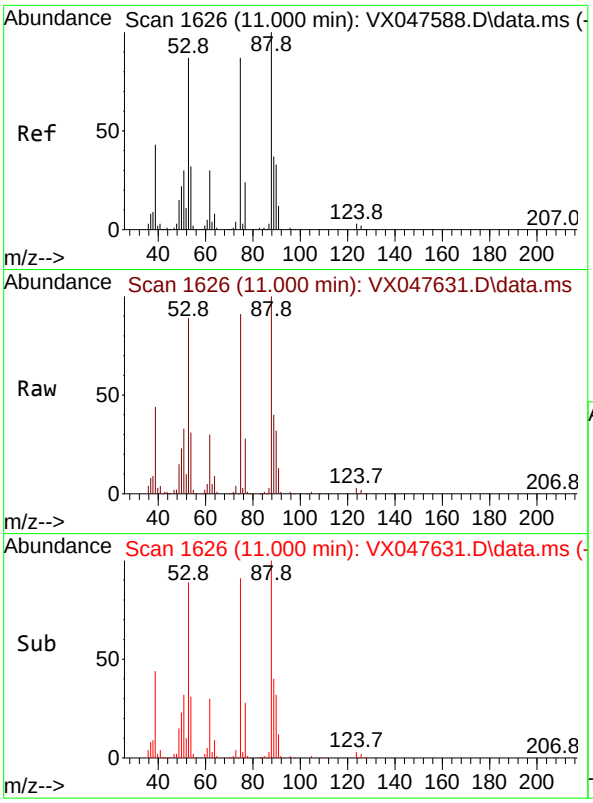


#80
1,3,5-Trimethylbenzene
Concen: 49.330 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX047631.D
Acq: 18 Sep 2025 11:30

Tgt Ion:105 Resp: 422419

Ion	Ratio	Lower	Upper
105	100		
120	48.1	23.6	70.8





#81
trans-1,4-Dichloro-2-butene
Concen: 49.711 ug/l
RT: 11.000 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047631.D
Acq: 18 Sep 2025 11:30

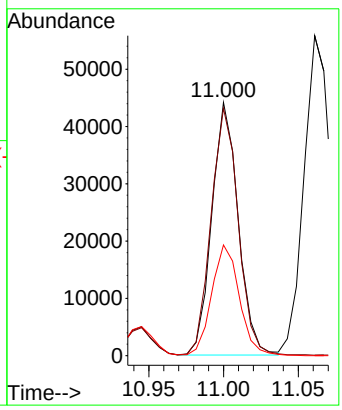
Tgt Ion: 75 Resp: 5410

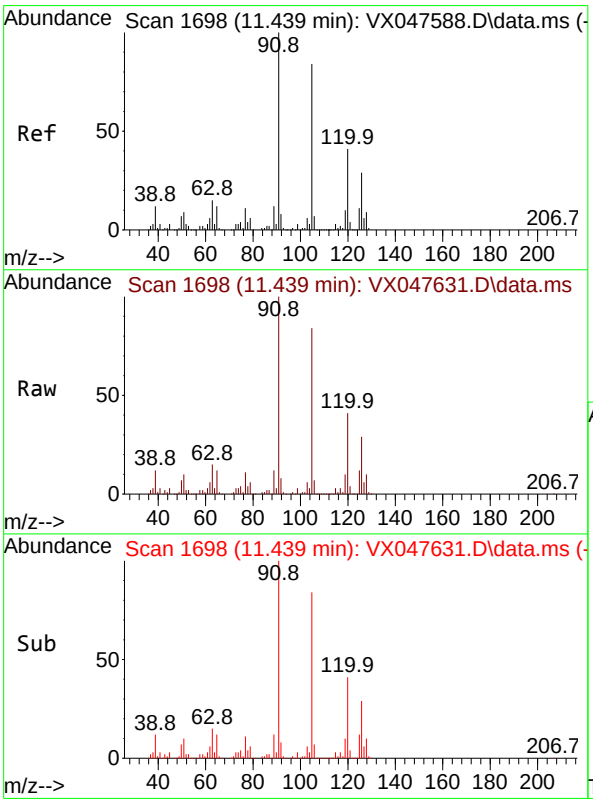
Ion	Ratio	Lower	Upper
75	100		
53	101.6	83.4	125.2
89	46.1	36.3	54.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025

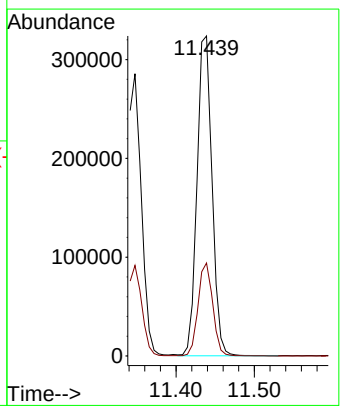


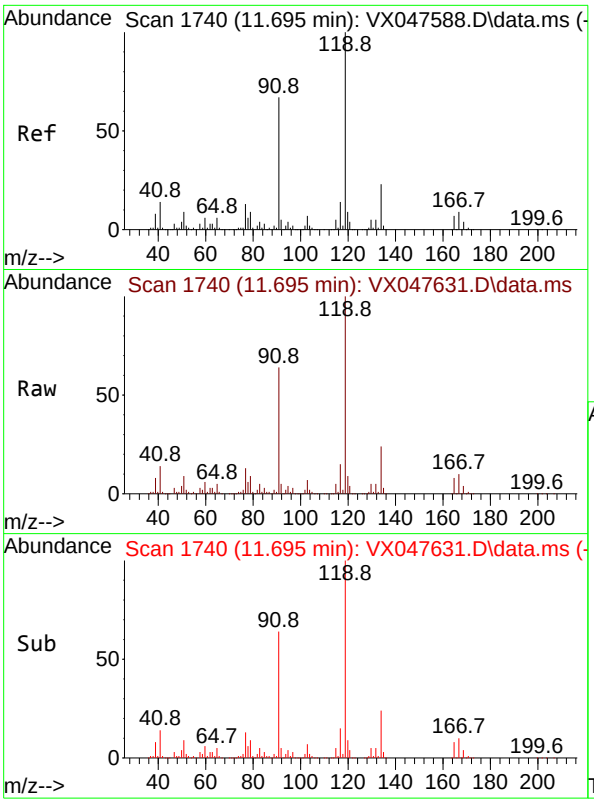


#82
4-Chlorotoluene
Concen: 48.423 ug/l
RT: 11.439 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VX047631.D
Acq: 18 Sep 2025 11:30

Tgt Ion: 91 Resp: 431570

Ion	Ratio	Lower	Upper
91	100		
126	28.4	14.2	42.6

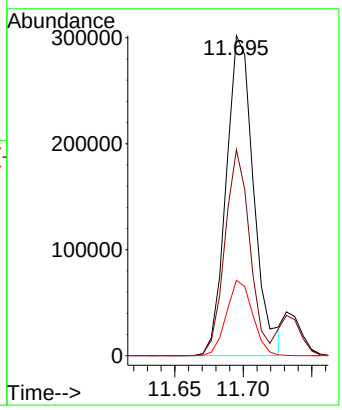




#83
tert-Butylbenzene
Concen: 48.149 ug/l
RT: 11.695 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047631.D
Acq: 18 Sep 2025 11:30

Tgt Ion:119 Resp: 42206

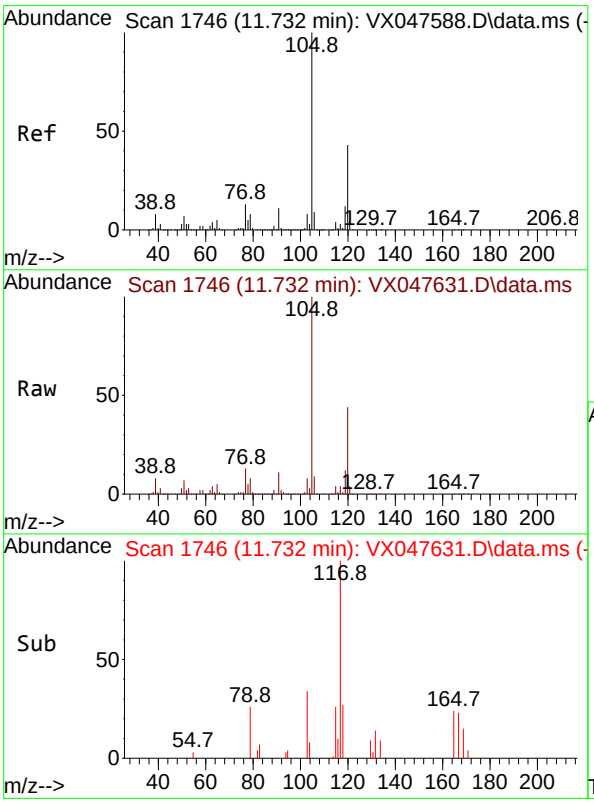
Ion	Ratio	Lower	Upper
119	100		
91	58.4	29.6	88.8
134	22.4	11.0	33.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

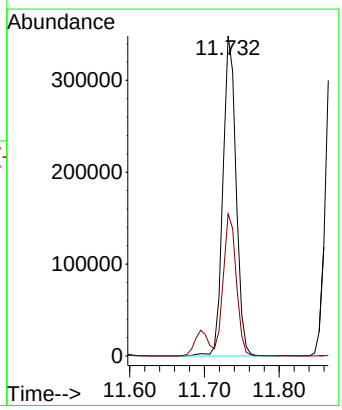
Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025

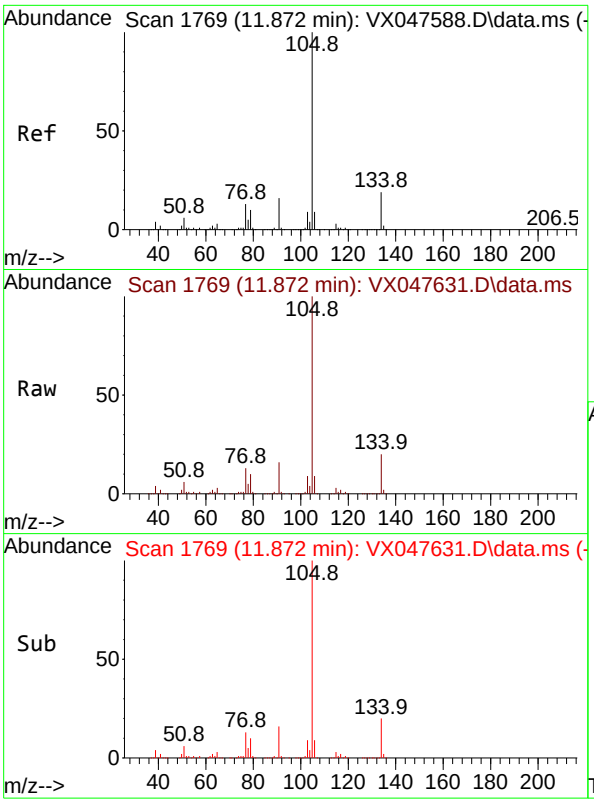


#84
1,2,4-Trimethylbenzene
Concen: 49.155 ug/l
RT: 11.732 min Scan# 1746
Delta R.T. -0.000 min
Lab File: VX047631.D
Acq: 18 Sep 2025 11:30

Tgt Ion:105 Resp: 426742

Ion	Ratio	Lower	Upper
105	100		
120	43.8	22.1	66.1

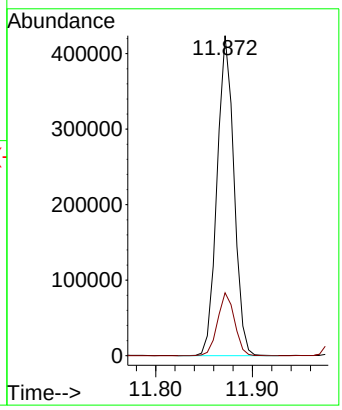




#85
sec-Butylbenzene
Concen: 49.250 ug/l
RT: 11.872 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047631.D
Acq: 18 Sep 2025 11:30

Tgt Ion:105 Resp: 51279

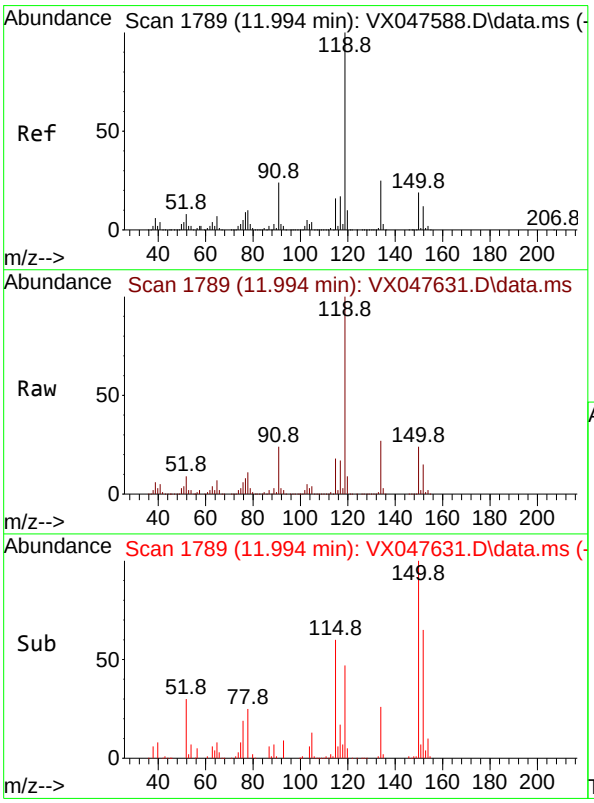
Ion	Ratio	Lower	Upper
105	100		
134	19.7	9.8	29.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

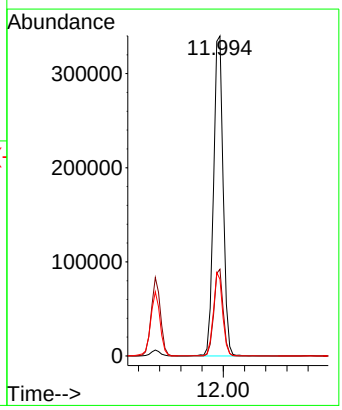
Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025

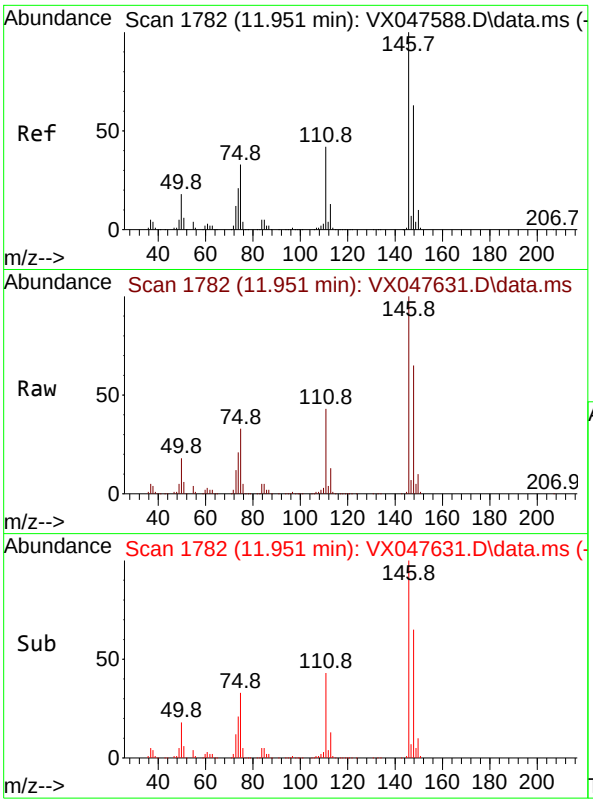


#86
p-Isopropyltoluene
Concen: 48.480 ug/l
RT: 11.994 min Scan# 1789
Delta R.T. -0.000 min
Lab File: VX047631.D
Acq: 18 Sep 2025 11:30

Tgt Ion:119 Resp: 427348

Ion	Ratio	Lower	Upper
119	100		
134	26.2	12.6	37.8
91	25.1	12.6	37.6

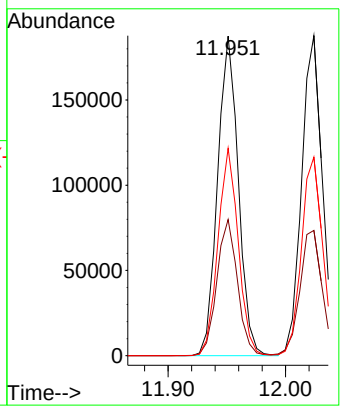




#87
1,3-Dichlorobenzene
Concen: 48.269 ug/l
RT: 11.951 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047631.D
Acq: 18 Sep 2025 11:30

Tgt Ion:146 Resp: 23014

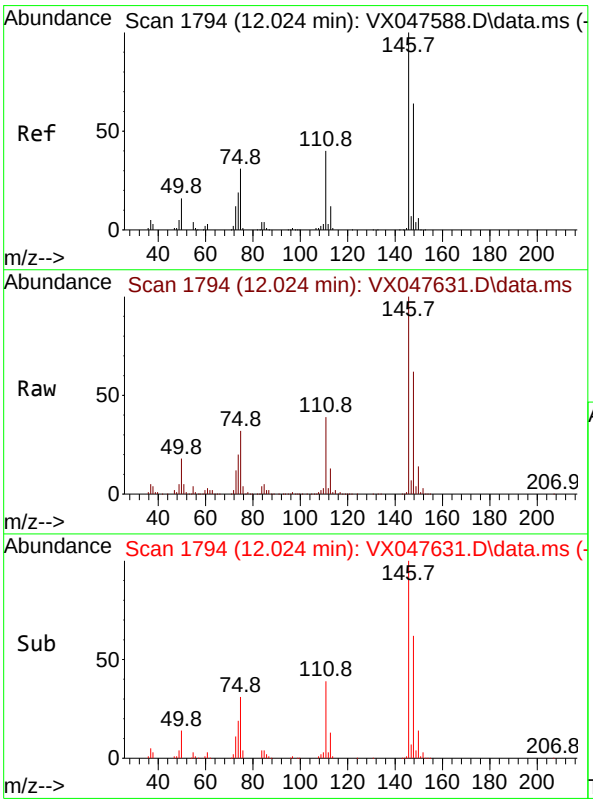
Ion	Ratio	Lower	Upper
146	100		
111	42.6	21.5	64.5
148	63.6	32.0	96.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

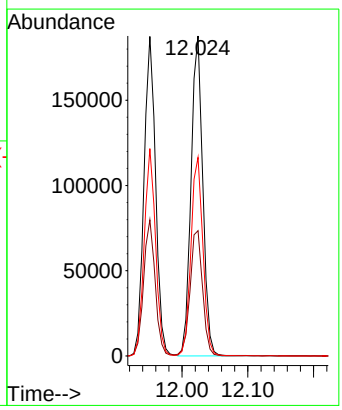
Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025

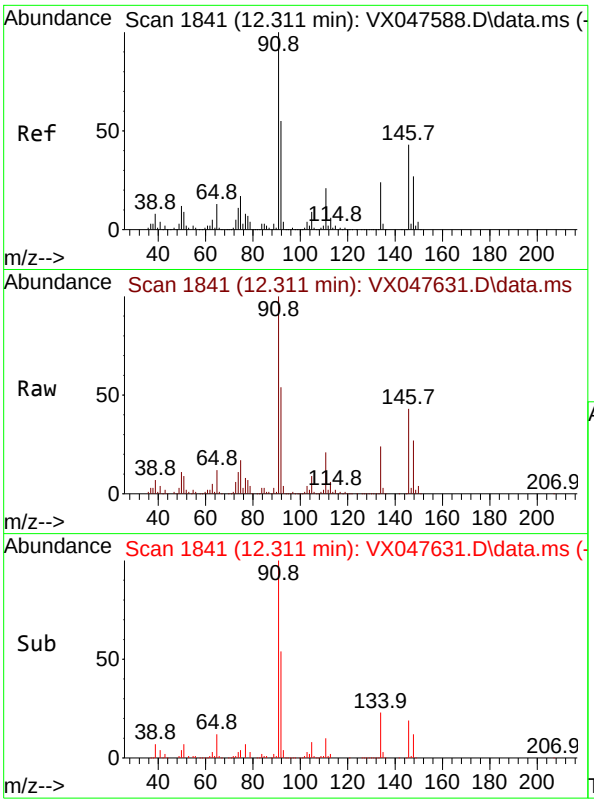


#88
1,4-Dichlorobenzene
Concen: 47.257 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX047631.D
Acq: 18 Sep 2025 11:30

Tgt Ion:146 Resp: 231259

Ion	Ratio	Lower	Upper
146	100		
111	41.6	20.8	62.4
148	63.6	31.7	95.1





#89
n-Butylbenzene
Concen: 49.801 ug/l
RT: 12.311 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047631.D
Acq: 18 Sep 2025 11:30

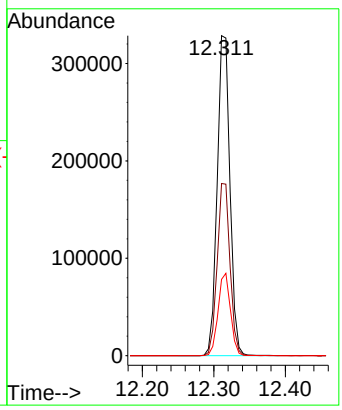
Tgt Ion: 91 Resp: 40619

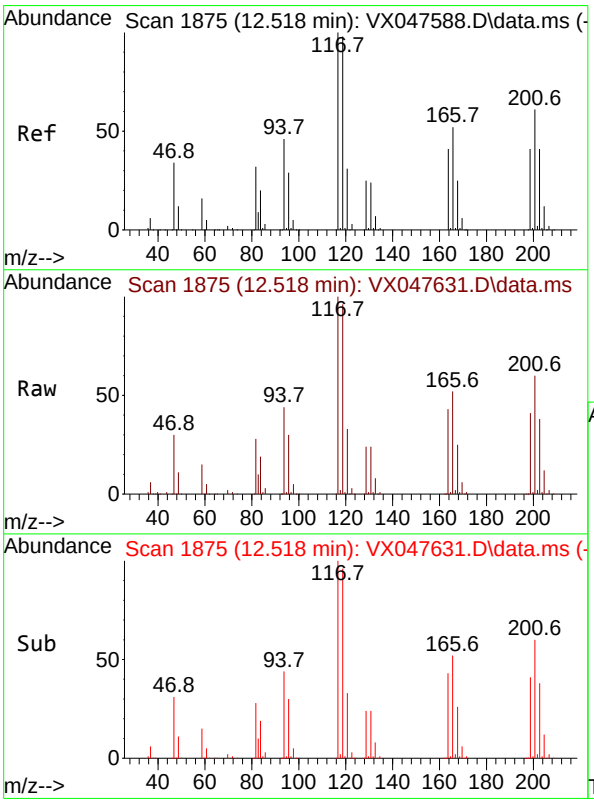
Ion	Ratio	Lower	Upper
91	100		
92	54.1	27.6	82.7
134	25.1	12.6	37.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025

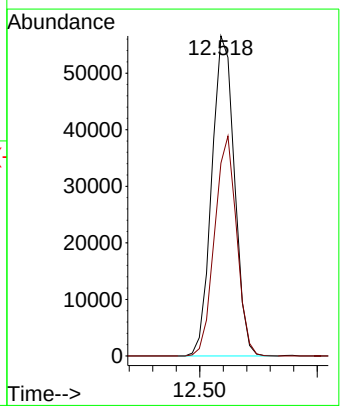


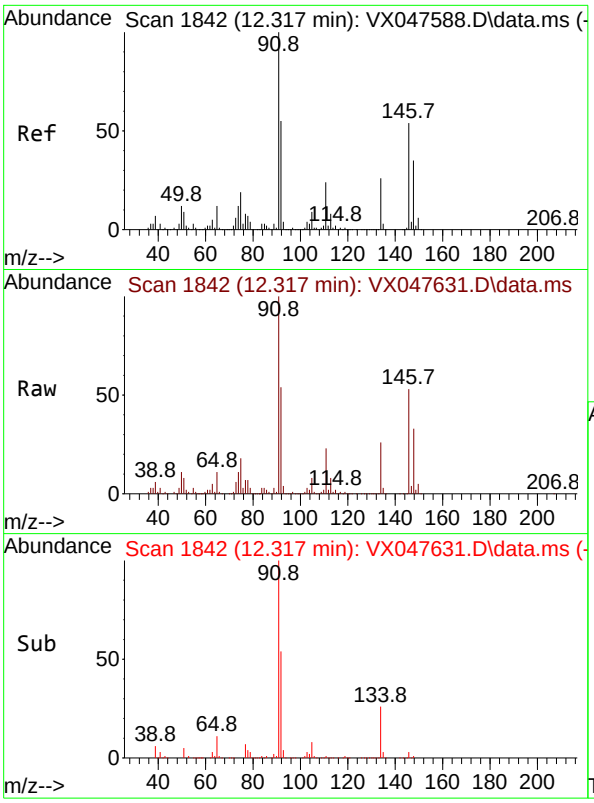


#90
Hexachloroethane
Concen: 49.103 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VX047631.D
Acq: 18 Sep 2025 11:30

Tgt Ion:117 Resp: 75994

Ion	Ratio	Lower	Upper
117	100		
201	66.7	34.2	102.5

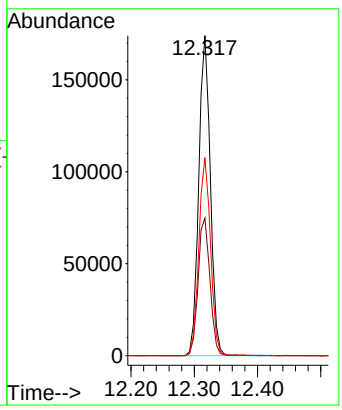




#91
1,2-Dichlorobenzene
Concen: 48.892 ug/l
RT: 12.317 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047631.D
Acq: 18 Sep 2025 11:30

Tgt Ion:146 Resp: 22209

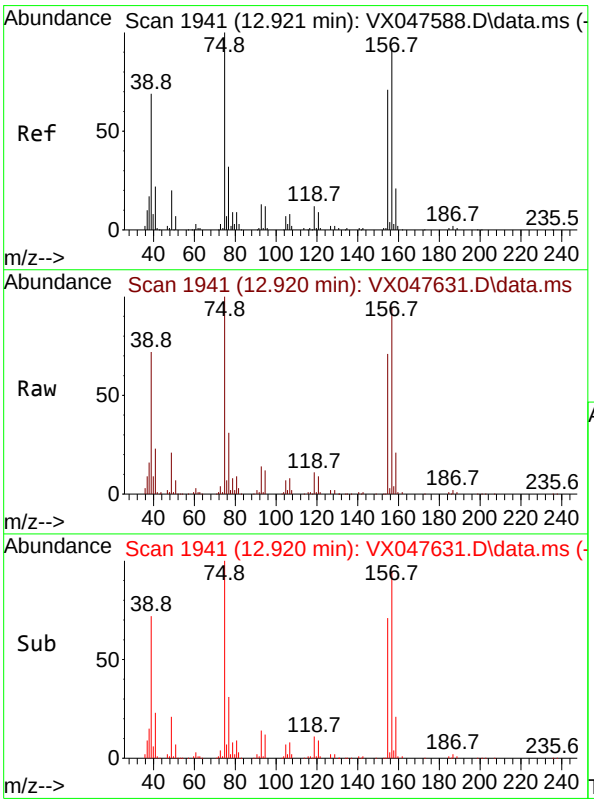
Ion	Ratio	Lower	Upper
146	100		
111	43.9	22.2	66.6
148	62.8	31.8	95.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

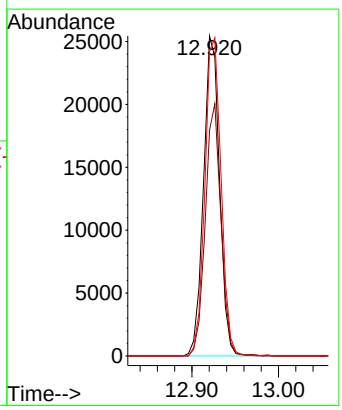
Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025

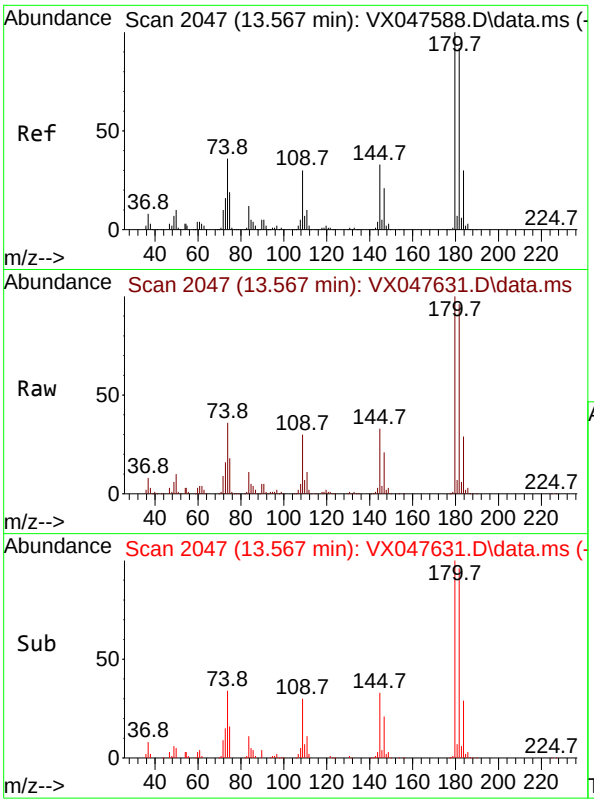


#92
1,2-Dibromo-3-Chloropropane
Concen: 51.214 ug/l
RT: 12.920 min Scan# 1941
Delta R.T. -0.000 min
Lab File: VX047631.D
Acq: 18 Sep 2025 11:30

Tgt Ion: 75 Resp: 32697

Ion	Ratio	Lower	Upper
75	100		
155	77.2	37.7	113.1
157	100.4	49.8	149.4

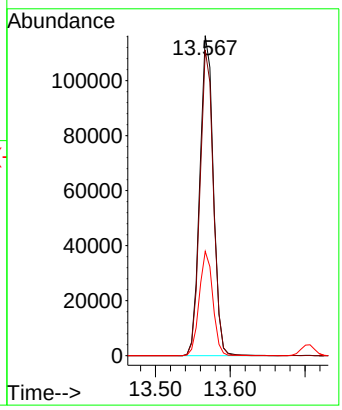




#93
1,2,4-Trichlorobenzene
Concen: 49.362 ug/l
RT: 13.567 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047631.D
Acq: 18 Sep 2025 11:30

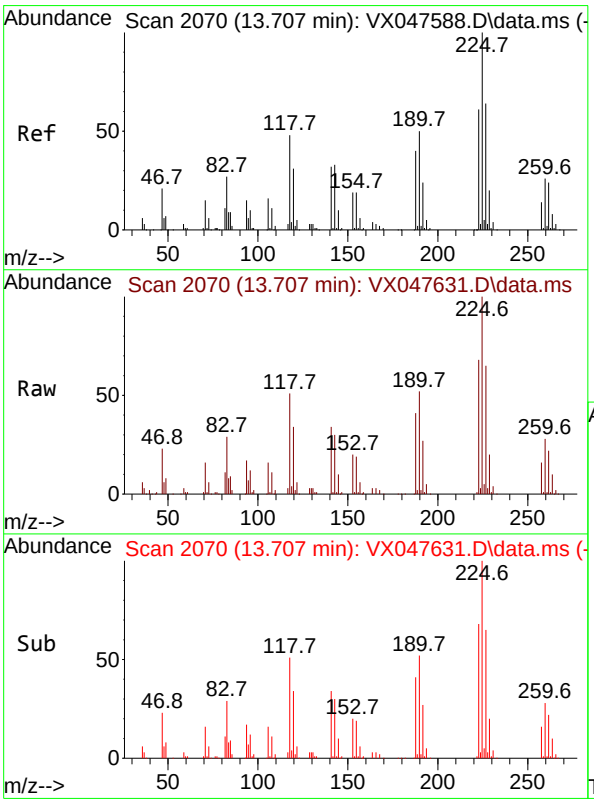
Tgt Ion:180 Resp: 14573

Ion	Ratio	Lower	Upper
180	100		
182	94.8	46.6	139.8
145	32.7	16.4	49.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

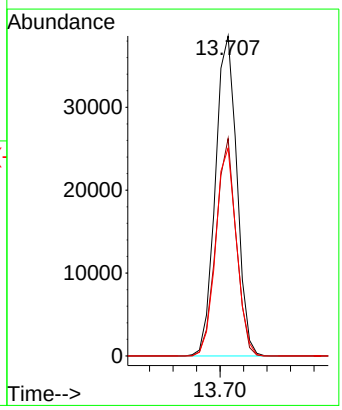
Manual Integrations APPROVED
Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025

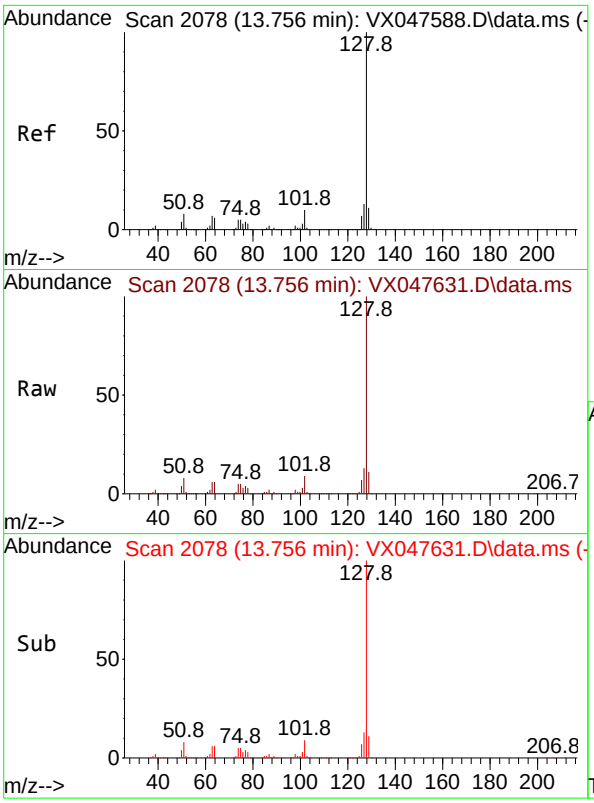


#94
Hexachlorobutadiene
Concen: 48.949 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. -0.000 min
Lab File: VX047631.D
Acq: 18 Sep 2025 11:30

Tgt Ion:225 Resp: 49085

Ion	Ratio	Lower	Upper
225	100		
223	63.7	31.7	95.1
227	62.9	32.0	96.0

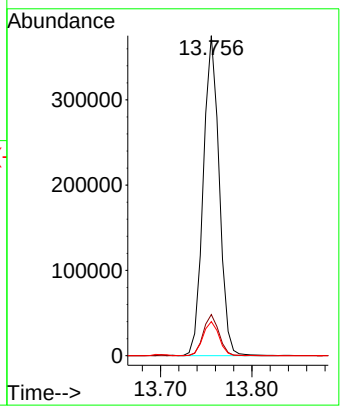




#95
Naphthalene
Concen: 50.475 ug/l
RT: 13.756 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047631.D
Acq: 18 Sep 2025 11:30

Tgt Ion:128 Resp: 45376

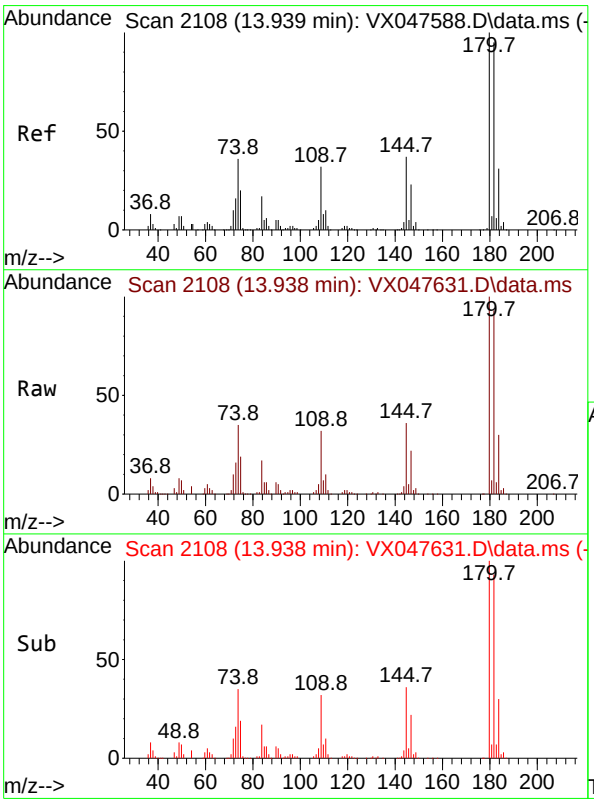
Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.2
129	10.8	8.8	13.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

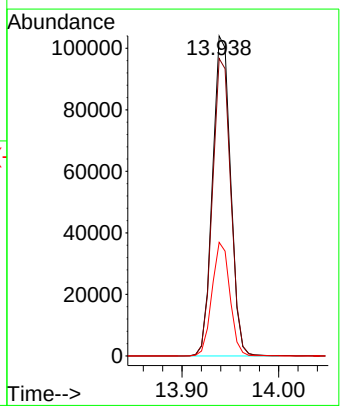
Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025



#96
1,2,3-Trichlorobenzene
Concen: 48.993 ug/l
RT: 13.938 min Scan# 2108
Delta R.T. -0.000 min
Lab File: VX047631.D
Acq: 18 Sep 2025 11:30

Tgt Ion:180 Resp: 134546

Ion	Ratio	Lower	Upper
180	100		
182	94.2	47.6	142.8
145	35.2	17.9	53.7



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091825\
Data File : VX047631.D
Acq On : 18 Sep 2025 11:30
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Sep 19 01:18:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 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	103	0.00
2	T	Dichlorodifluoromethane	0.518	0.628	-21.2	130	0.00
3	P	Chloromethane	0.680	0.746	-9.7	117	0.00
4	C	Vinyl Chloride	0.666	0.733	-10.1#	115	0.00
5	T	Bromomethane	0.422	0.455	-7.8	111	0.00
6	T	Chloroethane	0.445	0.461	-3.6	108	0.00
7	T	Trichlorofluoromethane	0.989	1.010	-2.1	105	0.00
8	T	Diethyl Ether	0.405	0.403	0.5	102	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.578	0.587	-1.6	104	0.00
10	T	Methyl Iodide	0.902	0.926	-2.7	105	0.00
11	T	Tert butyl alcohol	0.089	0.087	2.2	101	0.00
12	CM	1,1-Dichloroethene	0.594	0.605	-1.9#	104	0.00
13	T	Acrolein	0.082	0.100	-22.0	127	0.00
14	T	Allyl chloride	1.226	1.192	2.8	102	0.00
15	T	Acrylonitrile	0.328	0.341	-4.0	102	0.00
16	T	Acetone	0.346	0.404	-16.8	132	0.00
17	T	Carbon Disulfide	1.626	1.789	-10.0	118	0.00
18	T	Methyl Acetate	0.770	0.761	1.2	90	0.00
19	T	Methyl tert-butyl Ether	2.169	2.130	1.8	98	0.00
20	T	Methylene Chloride	0.732	0.699	4.5	99	0.00
21	T	trans-1,2-Dichloroethene	0.640	0.655	-2.3	104	0.00
22	T	Diisopropyl ether	2.376	2.325	2.1	97	0.00
23	T	Vinyl Acetate	1.901	1.981	-4.2	103	0.00
24	P	1,1-Dichloroethane	1.263	1.244	1.5	99	0.00
25	T	2-Butanone	0.432	0.471	-9.0	111	0.00
26	T	2,2-Dichloropropane	1.050	1.031	1.8	100	0.00
27	T	cis-1,2-Dichloroethene	0.783	0.777	0.8	99	0.00
28	T	Bromochloromethane	0.551	0.563	-2.2	101	0.00
29	T	Tetrahydrofuran	0.260	0.275	-5.8	103	0.00
30	C	Chloroform	1.276	1.249	2.1#	98	0.00
31	T	Cyclohexane	1.052	1.079	-2.6	108	0.00
32	T	1,1,1-Trichloroethane	1.082	1.070	1.1	98	0.00
33	S	1,2-Dichloroethane-d4	0.796	0.745	6.4	100	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	105	0.00
35	S	Dibromofluoromethane	0.335	0.325	3.0	103	0.00
36	T	1,1-Dichloropropene	0.490	0.475	3.1	102	0.00
37	T	Ethyl Acetate	0.525	0.526	-0.2	104	0.00
38	T	Carbon Tetrachloride	0.532	0.514	3.4	100	-0.01
39	T	Methylcyclohexane	0.556	0.565	-1.6	105	0.00
40	TM	Benzene	1.488	1.458	2.0	100	0.00
41	T	Methacrylonitrile	0.271	0.272	-0.4	100	0.00
42	TM	1,2-Dichloroethane	0.566	0.532	6.0	96	0.00
43	T	Isopropyl Acetate	0.860	0.862	-0.2	101	0.00
44	TM	Trichloroethene	0.360	0.361	-0.3	102	0.00
45	C	1,2-Dichloropropane	0.381	0.370	2.9#	98	0.00
46	T	Dibromomethane	0.277	0.266	4.0	97	0.00
47	T	Bromodichloromethane	0.572	0.548	4.2	95	0.00
48	T	Methyl methacrylate	0.429	0.434	-1.2	101	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091825\
Data File : VX047631.D
Acq On : 18 Sep 2025 11:30
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Sep 19 01:18:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 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	0.004	0.005	-25.0	111	0.00
50	S	Toluene-d8	1.160	1.135	2.2	104	0.00
51	T	4-Methyl-2-Pentanone	0.477	0.493	-3.4	101	0.00
52	CM	Toluene	0.917	0.902	1.6#	101	0.00
53	T	t-1,3-Dichloropropene	0.584	0.574	1.7	97	0.00
54	T	cis-1,3-Dichloropropene	0.624	0.620	0.6	99	0.00
55	T	1,1,2-Trichloroethane	0.354	0.342	3.4	98	0.00
56	T	Ethyl methacrylate	0.555	0.569	-2.5	100	0.00
57	T	1,3-Dichloropropane	0.607	0.602	0.8	99	0.00
58	T	2-Chloroethyl Vinyl ether	0.227	0.268	-18.1	103	0.00
59	T	2-Hexanone	0.343	0.365	-6.4	106	0.00
60	T	Dibromochloromethane	0.407	0.403	1.0	97	0.00
61	T	1,2-Dibromoethane	0.360	0.364	-1.1	101	0.00
62	S	4-Bromofluorobenzene	0.440	0.422	4.1	103	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	106	0.00
64	T	Tetrachloroethene	0.326	0.324	0.6	105	0.00
65	PM	Chlorobenzene	1.136	1.105	2.7	99	0.00
66	T	1,1,1,2-Tetrachloroethane	0.392	0.379	3.3	97	0.00
67	C	Ethyl Benzene	1.960	1.938	1.1#	100	0.00
68	T	m/p-Xylenes	0.729	0.727	0.3	100	0.00
69	T	o-Xylene	0.706	0.706	0.0	100	0.00
70	T	Styrene	1.236	1.217	1.5	99	0.00
71	P	Bromoform	0.293	0.288	1.7	97	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	107	0.00
73	T	Isopropylbenzene	3.801	3.740	1.6	99	0.00
74	T	N-amyl acetate	1.733	1.770	-2.1	102	0.00
75	P	1,1,2,2-Tetrachloroethane	1.150	1.146	0.3	100	0.00
76	T	1,2,3-Trichloropropane	1.012	0.916	9.5	87	0.00
77	T	Bromobenzene	0.936	0.912	2.6	99	0.00
78	T	n-propylbenzene	4.494	4.428	1.5	99	0.00
79	T	2-Chlorotoluene	2.752	2.676	2.8	98	0.00
80	T	1,3,5-Trimethylbenzene	3.123	3.081	1.3	99	0.00
81	T	trans-1,4-Dichloro-2-butene	0.397	0.395	0.5	102	0.00
82	T	4-Chlorotoluene	3.251	3.148	3.2	98	0.00
83	T	tert-Butylbenzene	3.197	3.079	3.7	98	0.00
84	T	1,2,4-Trimethylbenzene	3.166	3.113	1.7	100	0.00
85	T	sec-Butylbenzene	3.797	3.740	1.5	100	0.00
86	T	p-Isopropyltoluene	3.215	3.117	3.0	98	0.00
87	T	1,3-Dichlorobenzene	1.739	1.679	3.5	99	0.00
88	T	1,4-Dichlorobenzene	1.785	1.687	5.5	99	0.00
89	T	n-Butylbenzene	2.975	2.963	0.4	101	0.00
90	T	Hexachloroethane	0.564	0.554	1.8	100	0.00
91	T	1,2-Dichlorobenzene	1.657	1.620	2.2	100	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.233	0.239	-2.6	101	0.00
93	T	1,2,4-Trichlorobenzene	1.077	1.063	1.3	99	0.00
94	T	Hexachlorobutadiene	0.366	0.358	2.2	100	0.00
95	T	Naphthalene	3.279	3.310	-0.9	100	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091825\
Data File : VX047631.D
Acq On : 18 Sep 2025 11:30
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Sep 19 01:18:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 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	1.002	0.981	2.1	97	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091825\
Data File : VX047631.D
Acq On : 18 Sep 2025 11:30
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Sep 19 01:18:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 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	103	0.00
2	T	Dichlorodifluoromethane	50.000	60.603	-21.2	130	0.00
3	P	Chloromethane	50.000	54.835	-9.7	117	0.00
4	C	Vinyl Chloride	50.000	55.006	-10.0#	115	0.00
5	T	Bromomethane	50.000	53.868	-7.7	111	0.00
6	T	Chloroethane	50.000	51.751	-3.5	108	0.00
7	T	Trichlorofluoromethane	50.000	51.083	-2.2	105	0.00
8	T	Diethyl Ether	50.000	49.751	0.5	102	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	50.766	-1.5	104	0.00
10	T	Methyl Iodide	50.000	51.320	-2.6	105	0.00
11	T	Tert butyl alcohol	250.000	244.375	2.3	101	0.00
12	CM	1,1-Dichloroethene	50.000	50.930	-1.9#	104	0.00
13	T	Acrolein	250.000	306.922	-22.8	127	0.00
14	T	Allyl chloride	50.000	48.600	2.8	102	0.00
15	T	Acrylonitrile	250.000	259.885	-4.0	102	0.00
16	T	Acetone	250.000	292.056	-16.8	132	0.00
17	T	Carbon Disulfide	50.000	55.006	-10.0	118	0.00
18	T	Methyl Acetate	50.000	49.405	1.2	90	0.00
19	T	Methyl tert-butyl Ether	50.000	49.101	1.8	98	0.00
20	T	Methylene Chloride	50.000	47.731	4.5	99	0.00
21	T	trans-1,2-Dichloroethene	50.000	51.220	-2.4	104	0.00
22	T	Diisopropyl ether	50.000	48.941	2.1	97	0.00
23	T	Vinyl Acetate	250.000	260.421	-4.2	103	0.00
24	P	1,1-Dichloroethane	50.000	49.247	1.5	99	0.00
25	T	2-Butanone	250.000	272.815	-9.1	111	0.00
26	T	2,2-Dichloropropane	50.000	49.101	1.8	100	0.00
27	T	cis-1,2-Dichloroethene	50.000	49.600	0.8	99	0.00
28	T	Bromochloromethane	50.000	51.092	-2.2	101	0.00
29	T	Tetrahydrofuran	250.000	264.926	-6.0	103	0.00
30	C	Chloroform	50.000	48.949	2.1#	98	0.00
31	T	Cyclohexane	50.000	51.284	-2.6	108	0.00
32	T	1,1,1-Trichloroethane	50.000	49.409	1.2	98	0.00
33	S	1,2-Dichloroethane-d4	50.000	46.801	6.4	100	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	105	0.00
35	S	Dibromofluoromethane	50.000	48.394	3.2	103	0.00
36	T	1,1-Dichloropropene	50.000	48.444	3.1	102	0.00
37	T	Ethyl Acetate	50.000	50.149	-0.3	104	0.00
38	T	Carbon Tetrachloride	50.000	48.248	3.5	100	-0.01
39	T	Methylcyclohexane	50.000	50.786	-1.6	105	0.00
40	TM	Benzene	50.000	48.975	2.0	100	0.00
41	T	Methacrylonitrile	50.000	50.282	-0.6	100	0.00
42	TM	1,2-Dichloroethane	50.000	46.941	6.1	96	0.00
43	T	Isopropyl Acetate	50.000	50.094	-0.2	101	0.00
44	TM	Trichloroethene	50.000	50.110	-0.2	102	0.00
45	C	1,2-Dichloropropane	50.000	48.532	2.9#	98	0.00
46	T	Dibromomethane	50.000	47.980	4.0	97	0.00
47	T	Bromodichloromethane	50.000	47.854	4.3	95	0.00
48	T	Methyl methacrylate	50.000	50.581	-1.2	101	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091825\
Data File : VX047631.D
Acq On : 18 Sep 2025 11:30
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Sep 19 01:18:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 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	1171.777	-17.2	111	0.00
50	S	Toluene-d8	50.000	48.919	2.2	104	0.00
51	T	4-Methyl-2-Pentanone	250.000	258.300	-3.3	101	0.00
52	CM	Toluene	50.000	49.210	1.6#	101	0.00
53	T	t-1,3-Dichloropropene	50.000	49.152	1.7	97	0.00
54	T	cis-1,3-Dichloropropene	50.000	49.652	0.7	99	0.00
55	T	1,1,2-Trichloroethane	50.000	48.359	3.3	98	0.00
56	T	Ethyl methacrylate	50.000	51.260	-2.5	100	0.00
57	T	1,3-Dichloropropane	50.000	49.591	0.8	99	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	252.582	-1.0	103	0.00
59	T	2-Hexanone	250.000	265.979	-6.4	106	0.00
60	T	Dibromochloromethane	50.000	49.448	1.1	97	0.00
61	T	1,2-Dibromoethane	50.000	50.547	-1.1	101	0.00
62	S	4-Bromofluorobenzene	50.000	47.883	4.2	103	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	106	0.00
64	T	Tetrachloroethene	50.000	49.688	0.6	105	0.00
65	PM	Chlorobenzene	50.000	48.658	2.7	99	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	48.347	3.3	97	0.00
67	C	Ethyl Benzene	50.000	49.445	1.1#	100	0.00
68	T	m/p-Xylenes	100.000	99.659	0.3	100	0.00
69	T	o-Xylene	50.000	50.060	-0.1	100	0.00
70	T	Styrene	50.000	49.233	1.5	99	0.00
71	P	Bromoform	50.000	49.177	1.6	97	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	107	0.00
73	T	Isopropylbenzene	50.000	49.191	1.6	99	0.00
74	T	N-amyl acetate	50.000	51.046	-2.1	102	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	49.820	0.4	100	0.00
76	T	1,2,3-Trichloropropane	50.000	45.234	9.5	87	0.00
77	T	Bromobenzene	50.000	48.723	2.6	99	0.00
78	T	n-propylbenzene	50.000	49.266	1.5	99	0.00
79	T	2-Chlorotoluene	50.000	48.608	2.8	98	0.00
80	T	1,3,5-Trimethylbenzene	50.000	49.330	1.3	99	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	49.711	0.6	102	0.00
82	T	4-Chlorotoluene	50.000	48.423	3.2	98	0.00
83	T	tert-Butylbenzene	50.000	48.149	3.7	98	0.00
84	T	1,2,4-Trimethylbenzene	50.000	49.155	1.7	100	0.00
85	T	sec-Butylbenzene	50.000	49.250	1.5	100	0.00
86	T	p-Isopropyltoluene	50.000	48.480	3.0	98	0.00
87	T	1,3-Dichlorobenzene	50.000	48.269	3.5	99	0.00
88	T	1,4-Dichlorobenzene	50.000	47.257	5.5	99	0.00
89	T	n-Butylbenzene	50.000	49.801	0.4	101	0.00
90	T	Hexachloroethane	50.000	49.103	1.8	100	0.00
91	T	1,2-Dichlorobenzene	50.000	48.892	2.2	100	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	51.214	-2.4	101	0.00
93	T	1,2,4-Trichlorobenzene	50.000	49.362	1.3	99	0.00
94	T	Hexachlorobutadiene	50.000	48.949	2.1	100	0.00
95	T	Naphthalene	50.000	50.475	-1.0	100	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091825\
Data File : VX047631.D
Acq On : 18 Sep 2025 11:30
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Sep 19 01:18:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 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	48.993	2.0	97	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Alliance TECHNICAL GROUP

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	Alliance	Contract:	AECO15
Lab Code:	ACE	SDG No.:	Q3095
Instrument ID:	MSVOA_X	Calibration Date/Time:	09/18/2025 21:16
Lab File ID:	VX047658.D	Init. Calib. Date(s):	09/16/2025 09/16/2025
Heated Purge: (Y/N)	N	Init. Calib. Time(s):	09:23 12:01

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.518	0.695		34.17	50
Chloromethane	0.680	0.835	0.1	22.79	50
Vinyl Chloride	0.666	0.825		23.87	50
Bromomethane	0.422	0.505		19.67	50
Chloroethane	0.445	0.509		14.38	50
Trichlorofluoromethane	0.989	1.148		16.08	50
1,1,2-Trichlorotrifluoroethane	0.578	0.650		12.46	50
1,1-Dichloroethene	0.594	0.683		14.98	50
Acetone	0.346	0.304		-12.14	50
Carbon Disulfide	1.626	1.949		19.86	50
Methyl tert-butyl Ether	2.169	2.332		7.51	50
Methyl Acetate	0.770	0.845		9.74	50
Methylene Chloride	0.732	0.803		9.7	50
trans-1,2-Dichloroethene	0.640	0.722		12.81	50
1,1-Dichloroethane	1.263	1.391	0.1	10.14	50
Cyclohexane	1.052	1.161		10.36	50
2-Butanone	0.432	0.457		5.79	50
Carbon Tetrachloride	0.532	0.555		4.32	50
cis-1,2-Dichloroethene	0.783	0.869		10.98	50
Bromochloromethane	0.551	0.589		6.9	50
Chloroform	1.276	1.385		8.54	50
1,1,1-Trichloroethane	1.082	1.168		7.95	50
Methylcyclohexane	0.556	0.608		9.35	50
Benzene	1.488	1.626		9.27	50
1,2-Dichloroethane	0.566	0.595		5.12	50
Trichloroethene	0.360	0.397		10.28	50
1,2-Dichloropropane	0.381	0.407		6.82	50
Bromodichloromethane	0.572	0.602		5.24	50
4-Methyl-2-Pentanone	0.477	0.543		13.84	50
Toluene	0.917	0.996		8.61	50
t-1,3-Dichloropropene	0.584	0.596		2.06	50
cis-1,3-Dichloropropene	0.624	0.640		2.56	50
1,1,2-Trichloroethane	0.354	0.374		5.65	50
2-Hexanone	0.343	0.378		10.2	50
Dibromochloromethane	0.407	0.438		7.62	50
1,2-Dibromoethane	0.360	0.392		8.89	50
Tetrachloroethene	0.326	0.358		9.82	50
Chlorobenzene	1.136	1.210	0.3	6.51	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: Alliance
Contract: AECO15
Lab Code: ACE
SDG No.: Q3095
Instrument ID: MSVOA_X
Calibration Date/Time: 09/18/2025 21:16
Lab File ID: VX047658.D
Init. Calib. Date(s): 09/16/2025 09/16/2025
Heated Purge: (Y/N) N
Init. Calib. Time(s): 09:23 12:01
GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.960	2.122		8.27	50
m/p-Xylenes	0.729	0.796		9.19	50
o-Xylene	0.706	0.768		8.78	50
Styrene	1.236	1.343		8.66	50
Bromoform	0.293	0.317	0.1	8.19	50
Isopropylbenzene	3.801	4.107		8.05	50
1,1,2,2-Tetrachloroethane	1.150	1.269	0.3	10.35	50
1,3-Dichlorobenzene	1.739	1.824		4.89	50
1,4-Dichlorobenzene	1.785	1.847		3.47	50
1,2-Dichlorobenzene	1.657	1.780		7.42	50
1,2-Dibromo-3-Chloropropane	0.233	0.253		8.58	50
1,2,4-Trichlorobenzene	1.077	1.121		4.09	50
1,2,3-Trichlorobenzene	1.002	1.056		5.39	50
1,2-Dichloroethane-d4	0.796	0.811		1.88	50
Dibromofluoromethane	0.335	0.343		2.39	50
Toluene-d8	1.160	1.189		2.5	50
4-Bromofluorobenzene	0.440	0.446		1.36	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\VX091825\
Data File : VX047658.D
Acq On : 18 Sep 2025 21:16
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Sep 19 01:38:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.538	168	167954	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	301649	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	264153	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	126517	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	136178	50.938	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 101.880%			
35) Dibromofluoromethane	5.373	113	103407	51.115	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.240%			
50) Toluene-d8	8.635	98	358607	51.229	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 102.460%			
62) 4-Bromofluorobenzene	11.061	95	134436	50.604	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 101.200%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.173	85	116713	67.108	ug/l	96
3) Chloromethane	1.301	50	140249	61.357	ug/l	98
4) Vinyl Chloride	1.380	62	138638	61.961	ug/l	99
5) Bromomethane	1.618	94	84750	59.732	ug/l	100
6) Chloroethane	1.697	64	85472	57.154	ug/l	99
7) Trichlorofluoromethane	1.898	101	192770	58.024	ug/l	98
8) Diethyl Ether	2.136	74	74948	55.148	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.337	101	109138	56.181	ug/l	100
10) Methyl Iodide	2.453	142	164941	54.441	ug/l	100
11) Tert butyl alcohol	2.947	59	73594	247.170	ug/l	98
12) 1,1-Dichloroethene	2.325	96	114754	57.507	ug/l	96
13) Acrolein	2.240	56	91511	333.522	ug/l	99
14) Allyl chloride	2.666	41	217028	52.706	ug/l	98
15) Acrylonitrile	3.056	53	324132	293.899	ug/l	99
16) Acetone	2.374	43	255414	219.729	ug/l	100
17) Carbon Disulfide	2.520	76	327359	59.925	ug/l	98
18) Methyl Acetate	2.703	43	141872	54.842	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	391741	53.778	ug/l	98
20) Methylene Chloride	2.788	84	134847	54.805	ug/l	96
21) trans-1,2-Dichloroethene	3.093	96	121210	56.420	ug/l	95
22) Diisopropyl ether	3.751	45	434997	54.509	ug/l #	84
23) Vinyl Acetate	3.715	43	1809225	283.269	ug/l	100
24) 1,1-Dichloroethane	3.605	63	233642	55.084	ug/l	99
25) 2-Butanone	4.538	43	384161	264.947	ug/l	98
26) 2,2-Dichloropropane	4.471	77	151016	42.831	ug/l	97
27) cis-1,2-Dichloroethene	4.483	96	145870	55.442	ug/l	97
28) Bromochloromethane	4.885	49	98953	53.438	ug/l	99
29) Tetrahydrofuran	4.989	42	244351	280.136	ug/l	98
30) Chloroform	5.080	83	232676	54.285	ug/l	99
31) Cyclohexane	5.465	56	195059	55.215	ug/l	99
32) 1,1,1-Trichloroethane	5.379	97	196125	53.945	ug/l	99
36) 1,1-Dichloropropene	5.684	75	155147	52.483	ug/l	98
37) Ethyl Acetate	4.702	43	173987	54.969	ug/l	99
38) Carbon Tetrachloride	5.666	117	167396	52.118	ug/l	98
39) Methylcyclohexane	7.367	83	183314	54.630	ug/l	98
40) Benzene	6.025	78	490348	54.614	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091825\
Data File : VX047658.D
Acq On : 18 Sep 2025 21:16
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Sep 19 01:38:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED
Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.910	41	91044	55.718	ug/l		100
42) 1,2-Dichloroethane	6.074	62	179416	52.519	ug/l		99
43) Isopropyl Acetate	6.324	43	281444	54.217	ug/l		99
44) Trichloroethene	7.111	130	119740	55.163	ug/l		96
45) 1,2-Dichloropropane	7.415	63	122712	53.375	ug/l		99
46) Dibromomethane	7.568	93	89980	53.783	ug/l		98
47) Bromodichloromethane	7.806	83	181713	52.634	ug/l		97
48) Methyl methacrylate	7.678	41	142545	55.128	ug/l		99
49) 1,4-Dioxane	7.647	88	30847	1180.454	ug/l		99
51) 4-Methyl-2-Pentanone	8.555	43	818431	284.360	ug/l		100
52) Toluene	8.702	92	300572	54.337	ug/l		97
53) t-1,3-Dichloropropene	8.964	75	179877	51.080	ug/l		99
54) cis-1,3-Dichloropropene	8.354	75	193198	51.329	ug/l		99
55) 1,1,2-Trichloroethane	9.135	97	112754	52.863	ug/l		99
56) Ethyl methacrylate	9.104	69	185618	55.412	ug/l		98
57) 1,3-Dichloropropane	9.293	76	198871	54.276	ug/l		98
58) 2-Chloroethyl Vinyl ether	8.226	63	408214	254.746	ug/l		99
59) 2-Hexanone	9.415	43	569485	275.500	ug/l		99
60) Dibromochloromethane	9.507	129	132153	53.772	ug/l		98
61) 1,2-Dibromoethane	9.592	107	118209	54.411	ug/l		99
64) Tetrachloroethene	9.257	164	94690	54.988	ug/l		97
65) Chlorobenzene	10.061	112	319704	53.275	ug/l		98
66) 1,1,1,2-Tetrachloroethane	10.147	131	109740	52.994	ug/l		100
67) Ethyl Benzene	10.177	91	560432	54.125	ug/l		99
68) m/p-Xylenes	10.287	106	420673	109.153	ug/l		100
69) o-Xylene	10.628	106	202765	54.394	ug/l		99
70) Styrene	10.640	104	354867	54.330	ug/l		98
71) Bromoform	10.781	173	83625	54.082	ug/l	#	99
73) Isopropylbenzene	10.945	105	519628	54.023	ug/l		99
74) N-amyl acetate	10.829	43	244665	55.780	ug/l		100
75) 1,1,2,2-Tetrachloroethane	11.195	83	160544	55.167	ug/l		100
76) 1,2,3-Trichloropropane	11.220	75	125498m	48.992	ug/l		
77) Bromobenzene	11.183	156	126798	53.524	ug/l		99
78) n-propylbenzene	11.287	91	614237	54.021	ug/l		99
79) 2-Chlorotoluene	11.348	91	374535	53.781	ug/l		100
80) 1,3,5-Trimethylbenzene	11.433	105	425139	53.798	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.000	75	48632	48.415	ug/l		98
82) 4-Chlorotoluene	11.439	91	436383	53.056	ug/l		100
83) tert-Butylbenzene	11.695	119	422806	52.265	ug/l		100
84) 1,2,4-Trimethylbenzene	11.732	105	431900	53.907	ug/l		99
85) sec-Butylbenzene	11.872	105	513773	53.468	ug/l		100
86) p-Isopropyltoluene	11.988	119	428563	52.682	ug/l		99
87) 1,3-Dichlorobenzene	11.951	146	230750	52.441	ug/l		100
88) 1,4-Dichlorobenzene	12.024	146	233716	51.751	ug/l		99
89) n-Butylbenzene	12.317	91	397647	52.828	ug/l		99
90) Hexachloroethane	12.518	117	74358	52.063	ug/l		98
91) 1,2-Dichlorobenzene	12.317	146	225205	53.721	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.921	75	32019	54.344	ug/l		99
93) 1,2,4-Trichlorobenzene	13.567	180	141778	52.038	ug/l		98
94) Hexachlorobutadiene	13.707	225	45796	49.486	ug/l		98
95) Naphthalene	13.756	128	446144	53.776	ug/l		100
96) 1,2,3-Trichlorobenzene	13.939	180	133651	52.735	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091825\
Data File : VX047658.D
Acq On : 18 Sep 2025 21:16
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Sep 19 01:38:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025

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

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

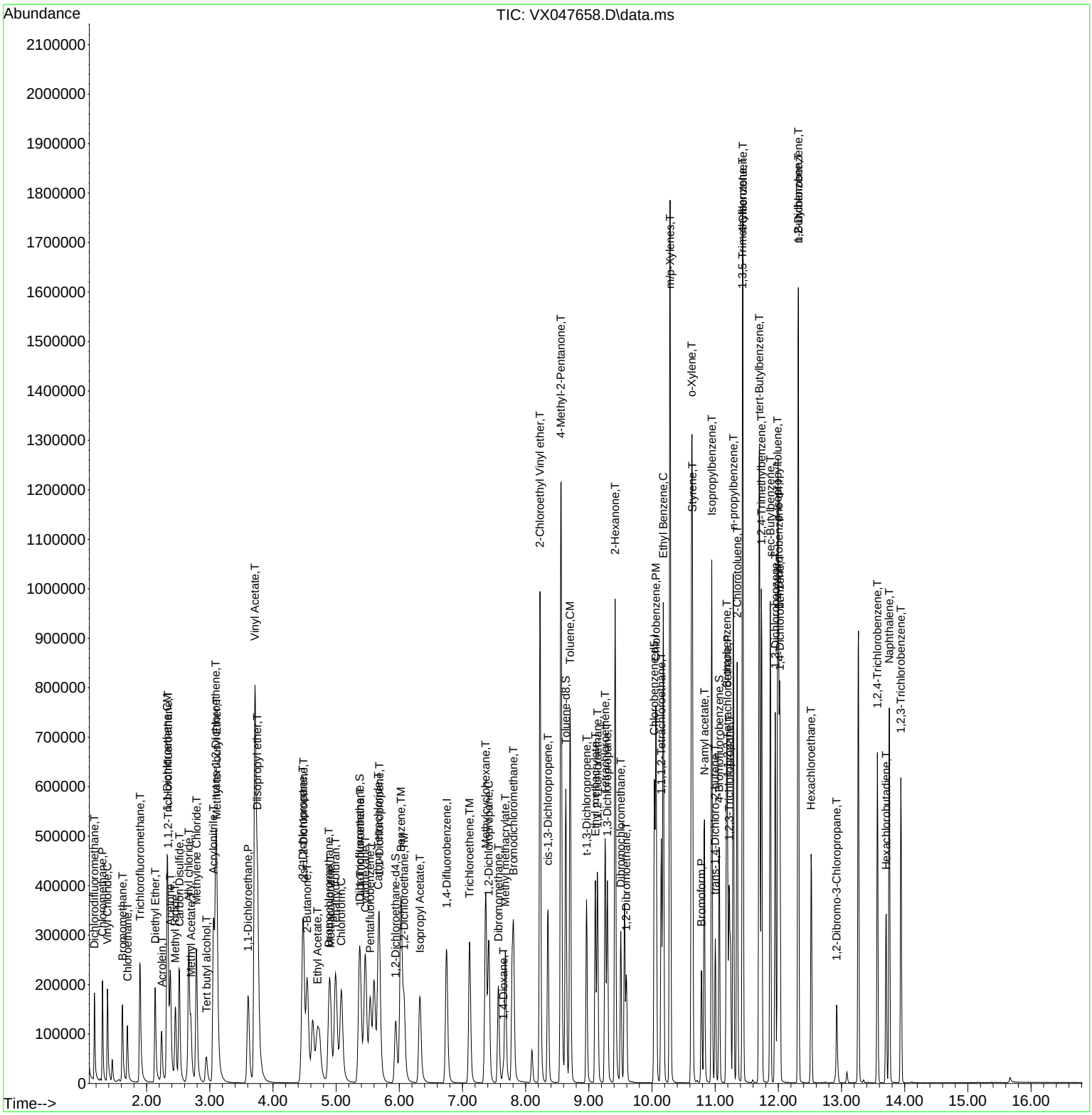
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091825\
Data File : VX047658.D
Acq On : 18 Sep 2025 21:16
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 29 Sample Multiplier: 1

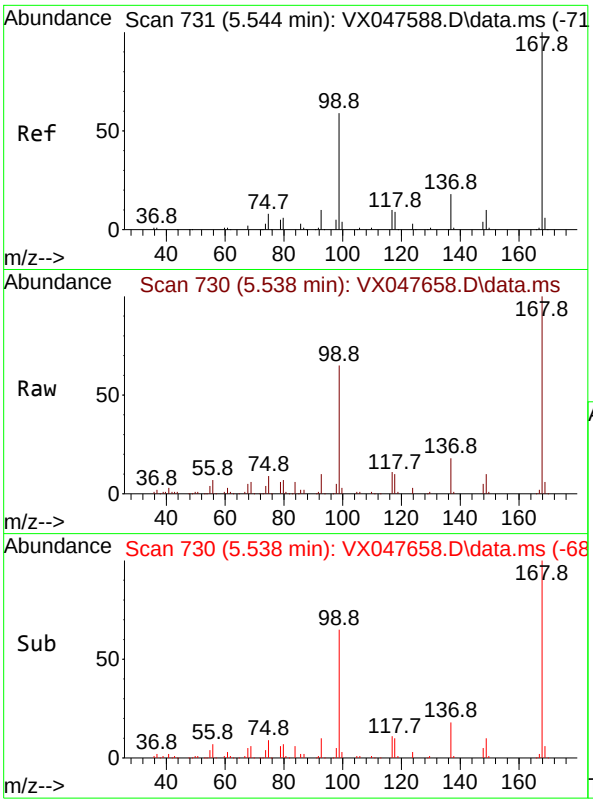
Quant Time: Sep 19 01:38:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025

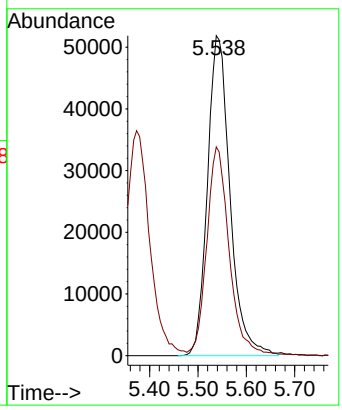




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047658.D
Acq: 18 Sep 2025 21:16

Tgt Ion:168 Resp: 16795

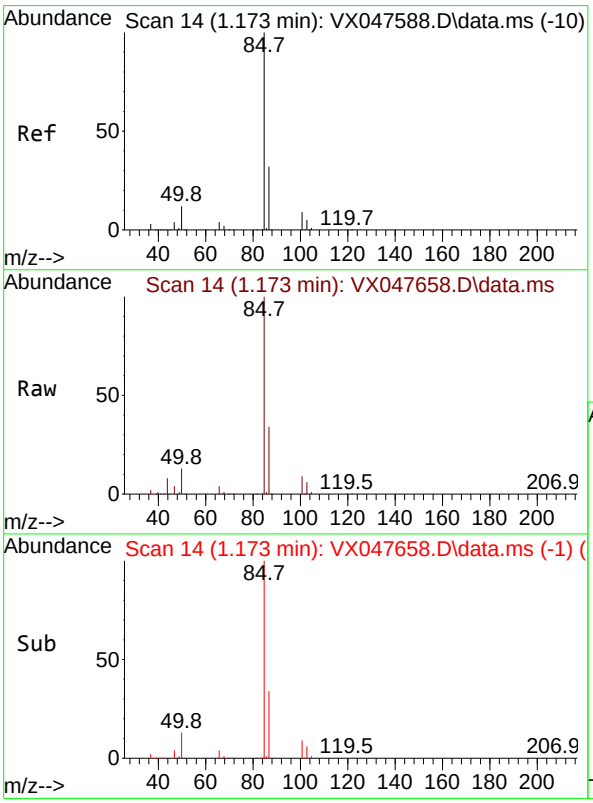
Ion	Ratio	Lower	Upper
168	100		
99	64.7	48.8	73.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

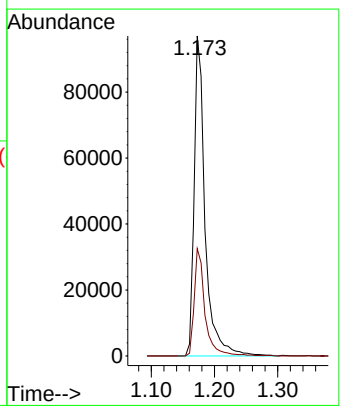
Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025

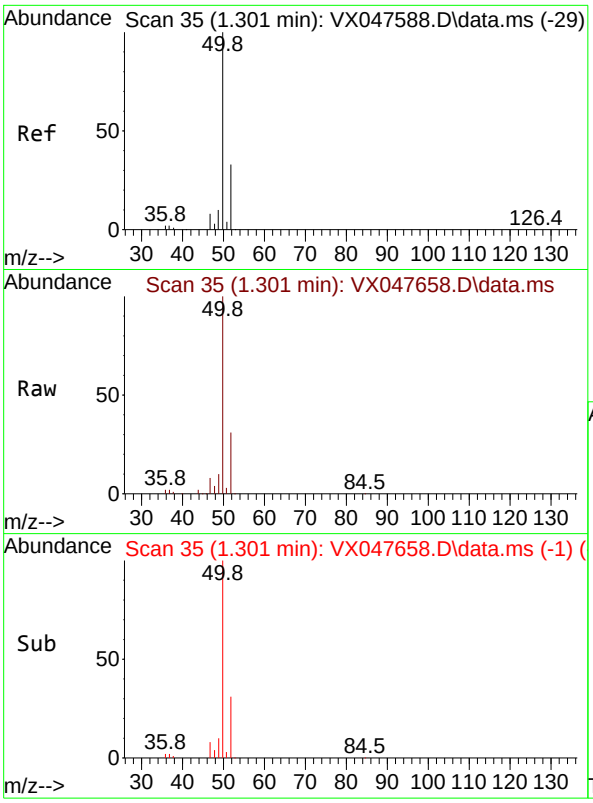


#2
Dichlorodifluoromethane
Concen: 67.108 ug/l
RT: 1.173 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047658.D
Acq: 18 Sep 2025 21:16

Tgt Ion: 85 Resp: 116713

Ion	Ratio	Lower	Upper
85	100		
87	33.5	15.8	47.3

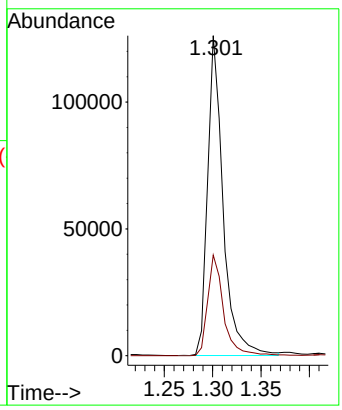




#3
Chloromethane
Concen: 61.357 ug/l
RT: 1.301 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX047658.D
Acq: 18 Sep 2025 21:16

Tgt Ion: 50 Resp: 14024

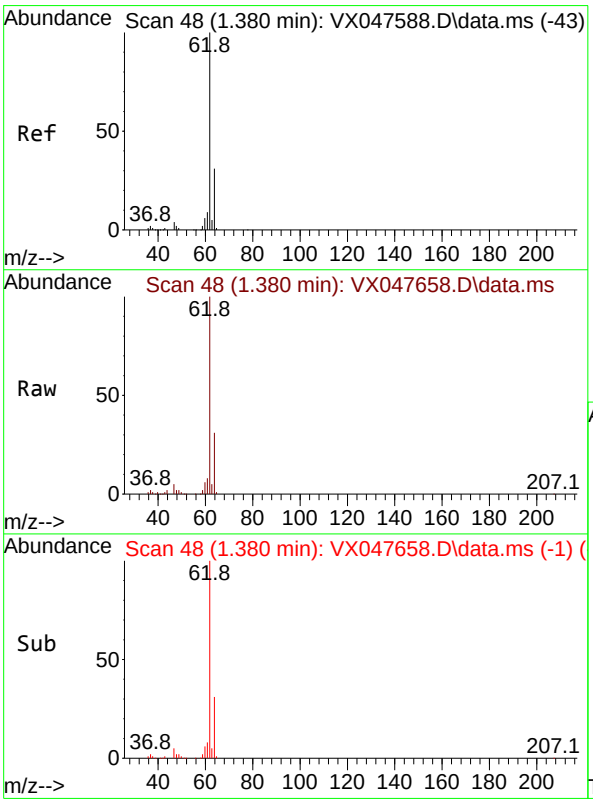
Ion	Ratio	Lower	Upper
50	100		
52	31.5	26.1	39.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

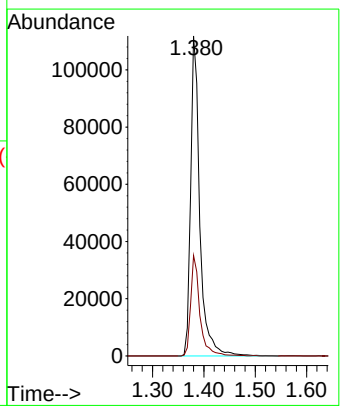
Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025

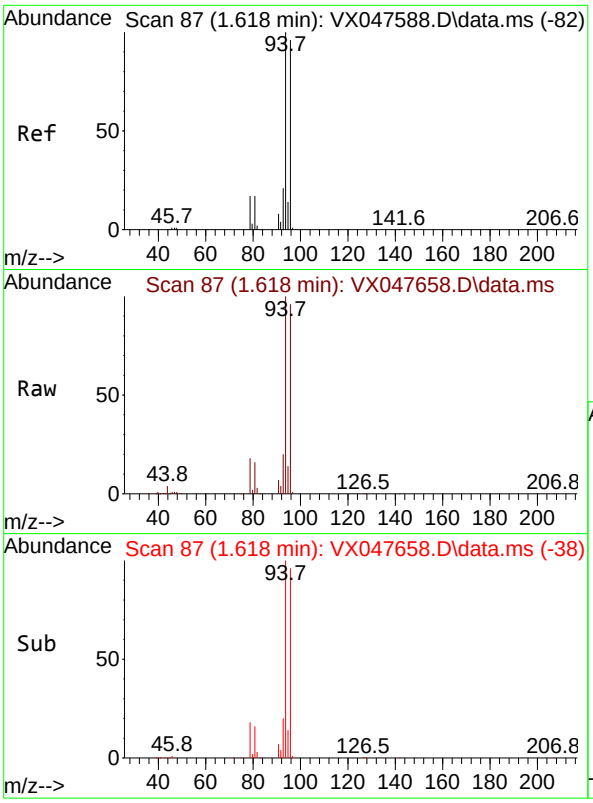


#4
Vinyl Chloride
Concen: 61.961 ug/l
RT: 1.380 min Scan# 48
Delta R.T. 0.000 min
Lab File: VX047658.D
Acq: 18 Sep 2025 21:16

Tgt Ion: 62 Resp: 138638

Ion	Ratio	Lower	Upper
62	100		
64	31.4	24.9	37.3

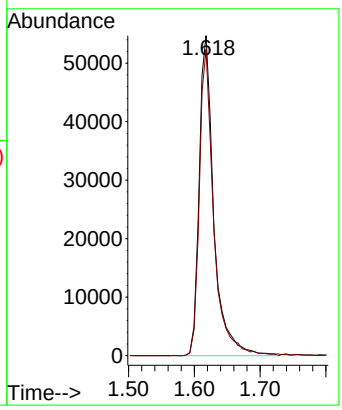




#5
Bromomethane
Concen: 59.732 ug/l
RT: 1.618 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX047658.D
Acq: 18 Sep 2025 21:16

Tgt Ion: 94 Resp: 8475

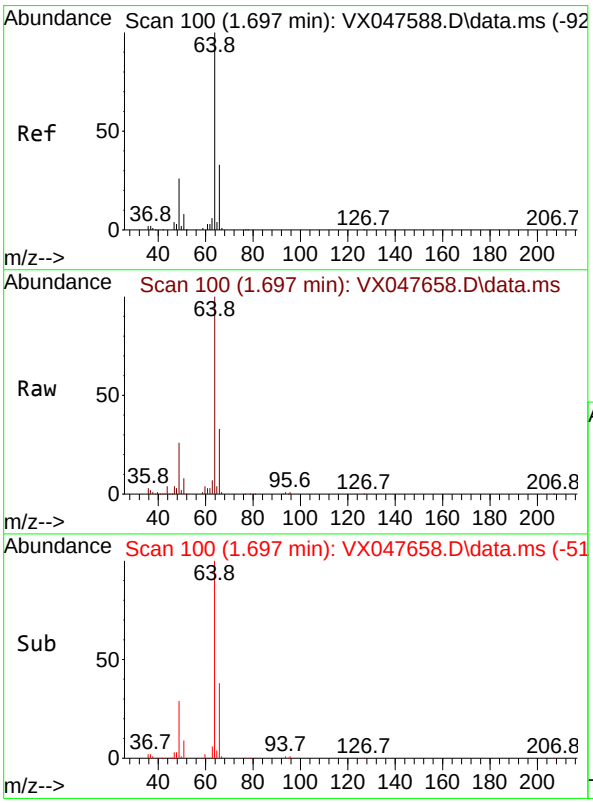
Ion	Ratio	Lower	Upper
94	100		
96	95.7	76.6	115.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

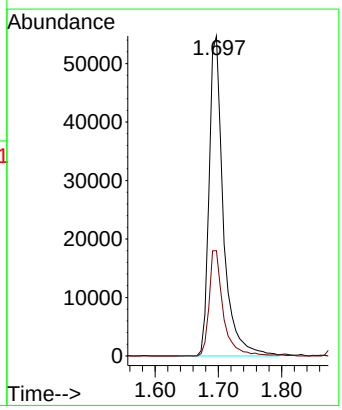
Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025

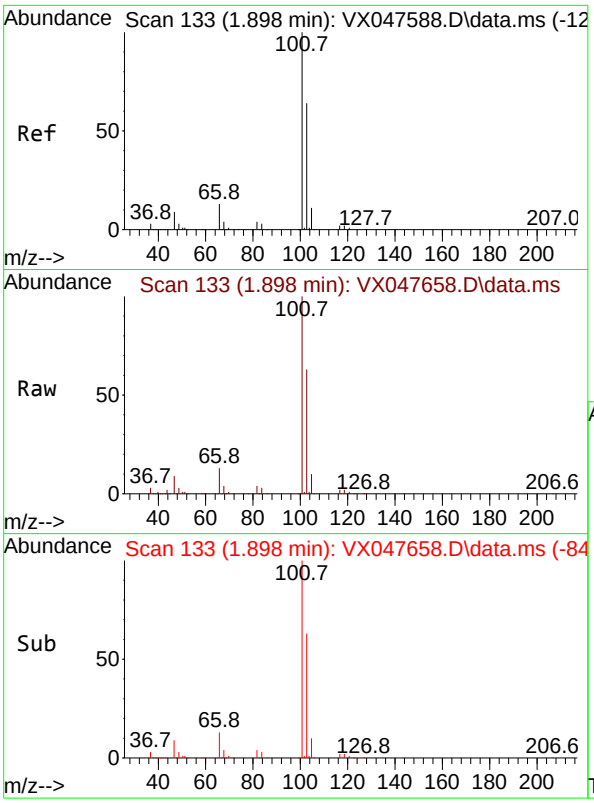


#6
Chloroethane
Concen: 57.154 ug/l
RT: 1.697 min Scan# 100
Delta R.T. 0.000 min
Lab File: VX047658.D
Acq: 18 Sep 2025 21:16

Tgt Ion: 64 Resp: 85472

Ion	Ratio	Lower	Upper
64	100		
66	32.9	26.1	39.1

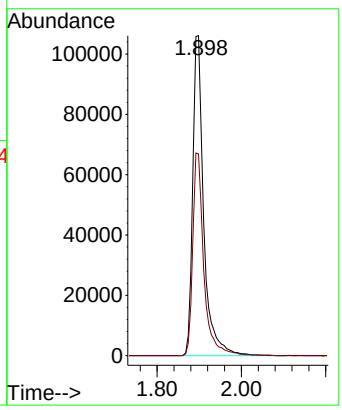




#7
Trichlorofluoromethane
Concen: 58.024 ug/l
RT: 1.898 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047658.D
Acq: 18 Sep 2025 21:16

Tgt Ion:101 Resp: 19277

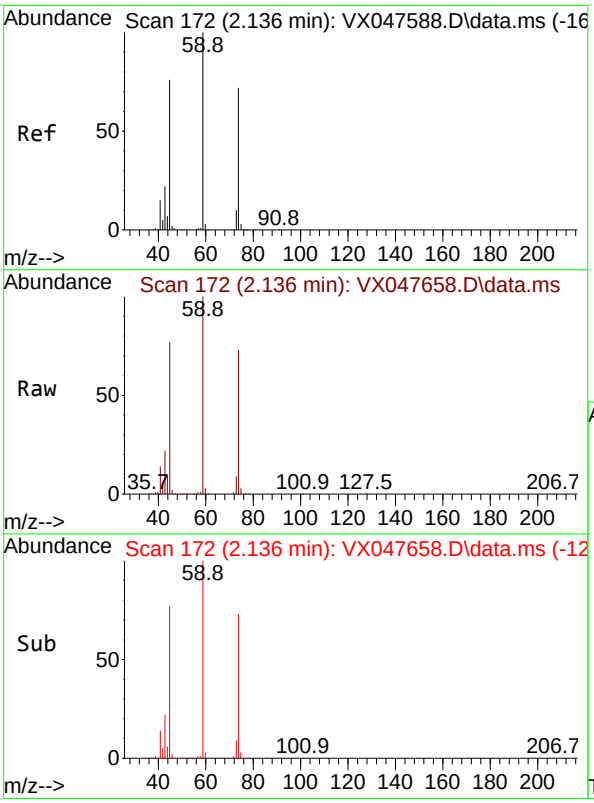
Ion	Ratio	Lower	Upper
101	100		
103	63.0	51.4	77.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

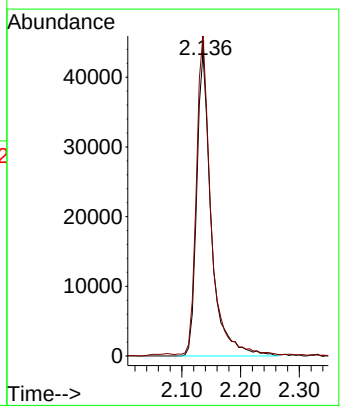
Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025

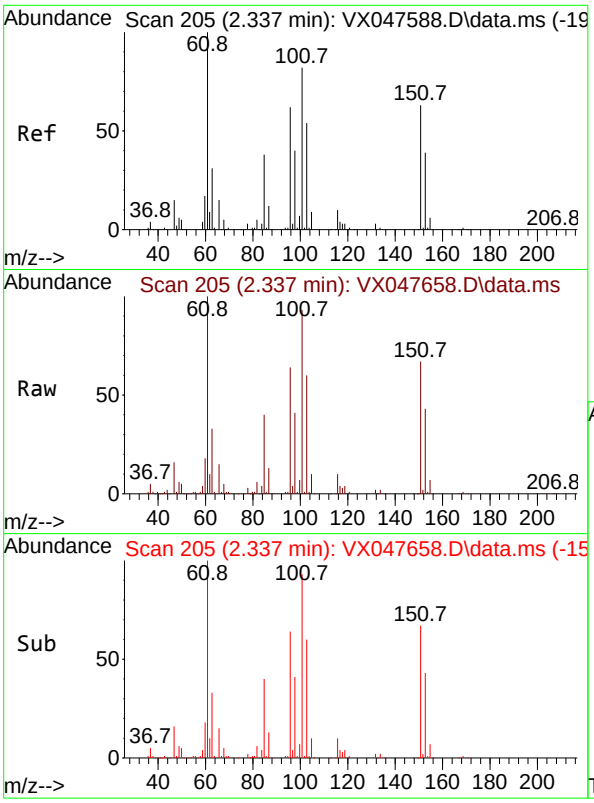


#8
Diethyl Ether
Concen: 55.148 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.000 min
Lab File: VX047658.D
Acq: 18 Sep 2025 21:16

Tgt Ion: 74 Resp: 74948

Ion	Ratio	Lower	Upper
74	100		
45	104.7	52.3	156.8

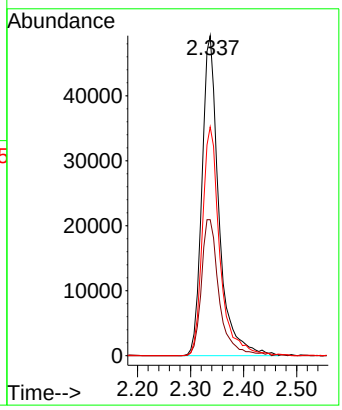




#9
1,1,2-Trichlorotrifluoroethane
Concen: 56.181 ug/l
RT: 2.337 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX047658.D
Acq: 18 Sep 2025 21:16

Tgt Ion:101 Resp: 10913

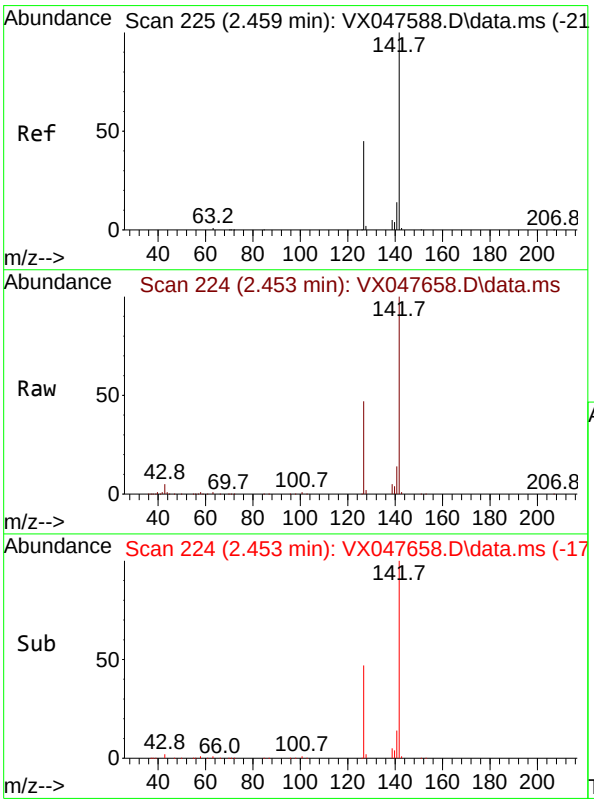
Ion	Ratio	Lower	Upper
101	100		
85	44.6	35.5	53.3
151	73.7	59.4	89.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

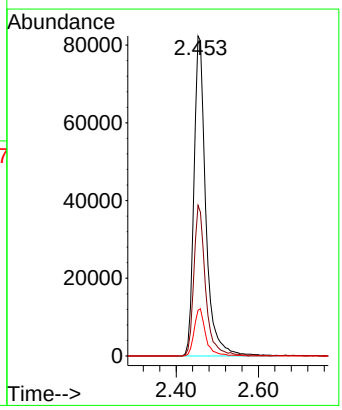
Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025

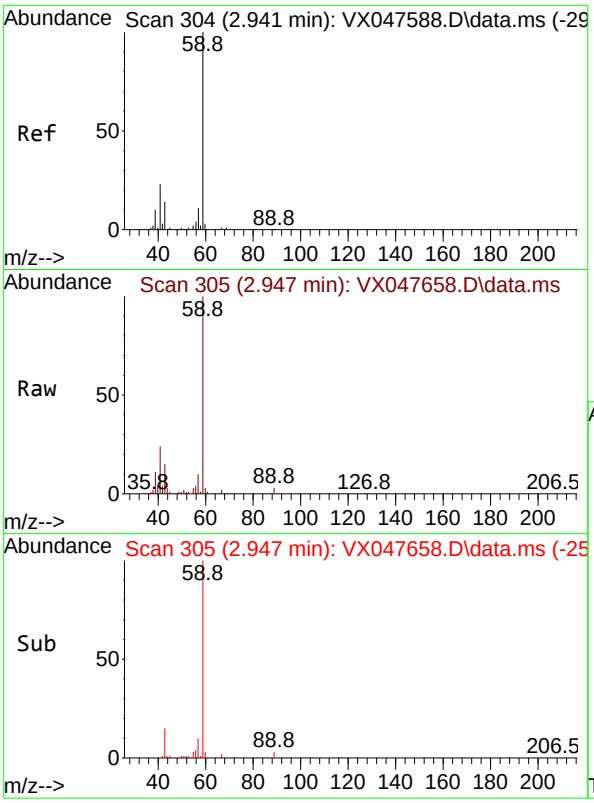


#10
Methyl Iodide
Concen: 54.441 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.006 min
Lab File: VX047658.D
Acq: 18 Sep 2025 21:16

Tgt Ion:142 Resp: 164941

Ion	Ratio	Lower	Upper
142	100		
127	46.3	37.2	55.8
141	14.4	11.4	17.0

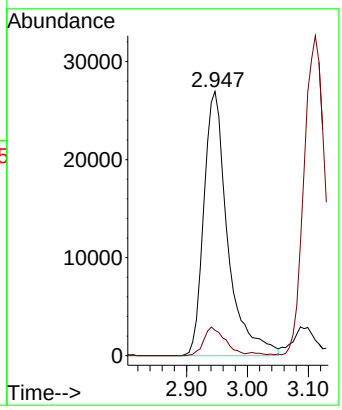




#11
Tert butyl alcohol
Concen: 247.170 ug/l
RT: 2.947 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX047658.D
Acq: 18 Sep 2025 21:16

Tgt Ion: 59 Resp: 7359

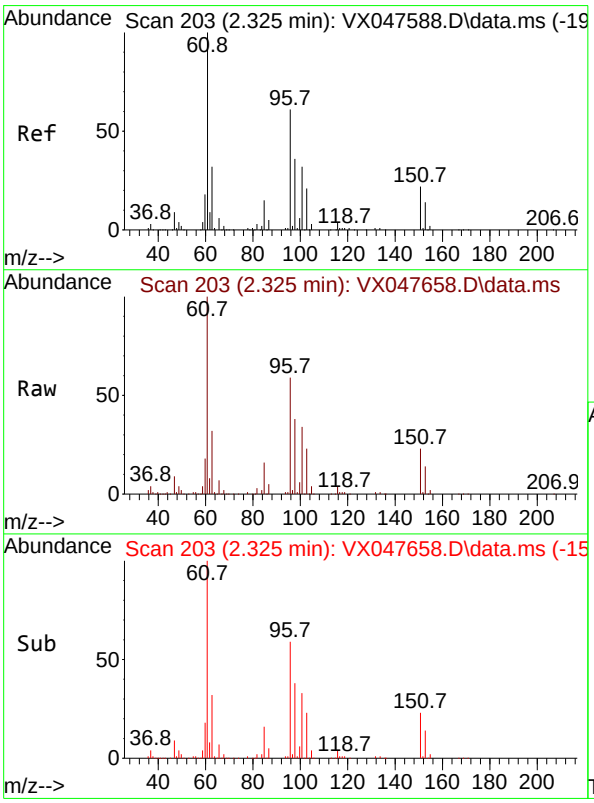
Ion	Ratio	Lower	Upper
59	100		
57	9.7	8.3	12.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

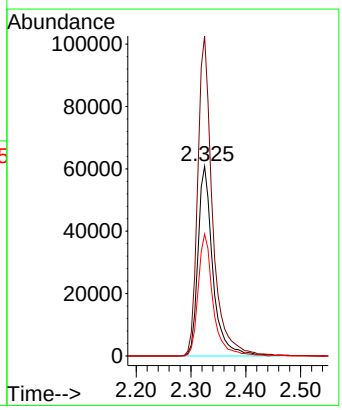
Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025

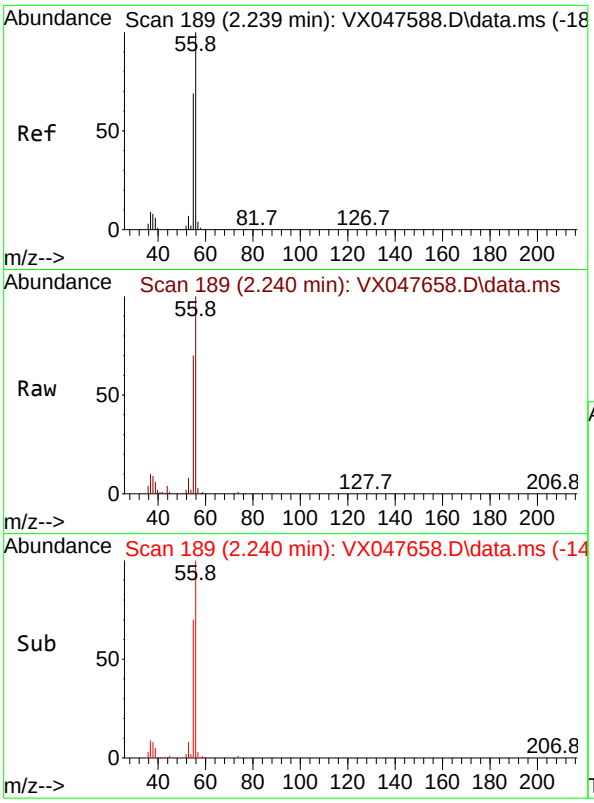


#12
1,1-Dichloroethene
Concen: 57.507 ug/l
RT: 2.325 min Scan# 203
Delta R.T. 0.000 min
Lab File: VX047658.D
Acq: 18 Sep 2025 21:16

Tgt Ion: 96 Resp: 114754

Ion	Ratio	Lower	Upper
96	100		
61	168.7	131.0	196.6
98	64.3	47.7	71.5

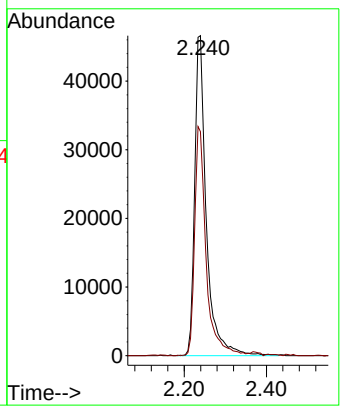




#13
Acrolein
Concen: 333.522 ug/l
RT: 2.240 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047658.D
Acq: 18 Sep 2025 21:16

Tgt Ion: 56 Resp: 9151

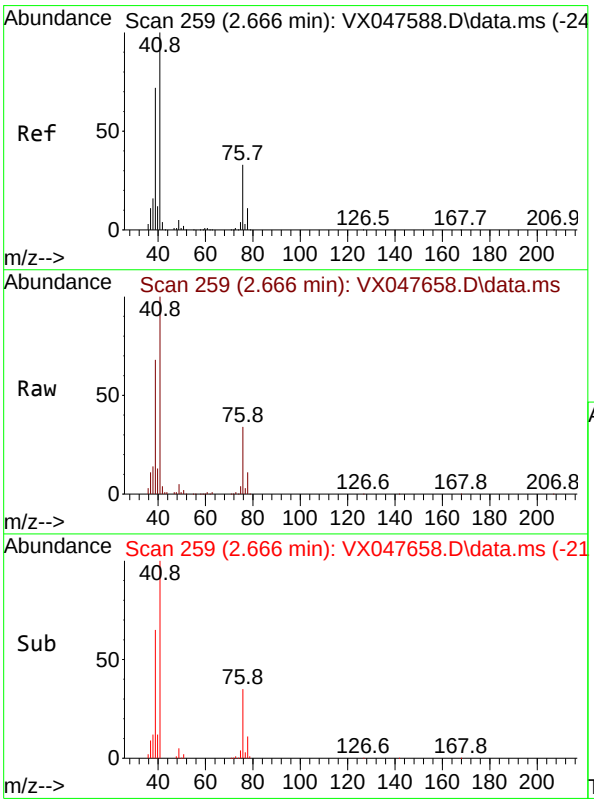
Ion	Ratio	Lower	Upper
56	100		
55	70.3	57.2	85.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

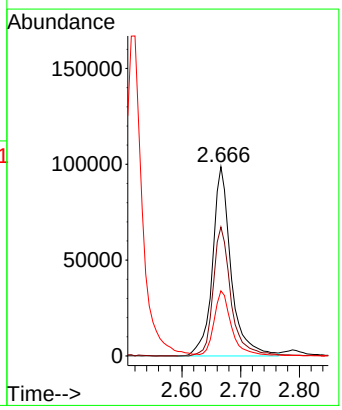
Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025

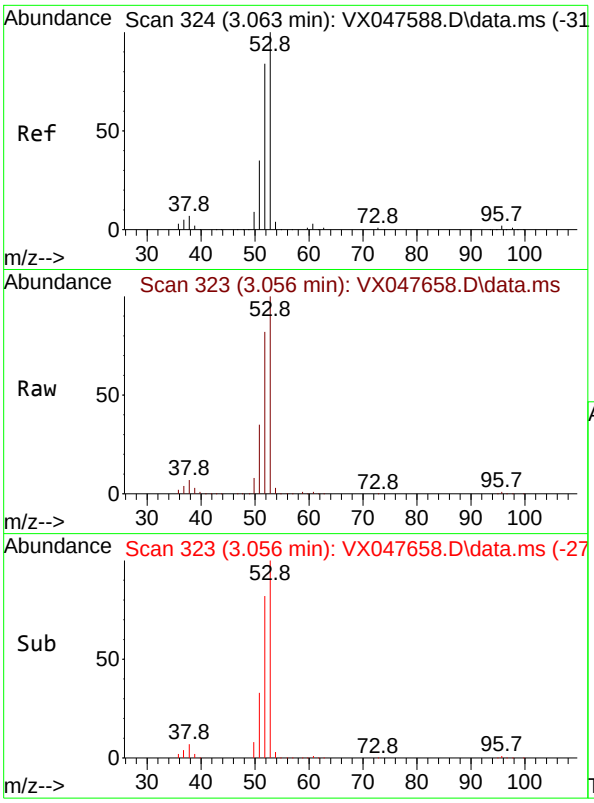


#14
Allyl chloride
Concen: 52.706 ug/l
RT: 2.666 min Scan# 259
Delta R.T. 0.000 min
Lab File: VX047658.D
Acq: 18 Sep 2025 21:16

Tgt Ion: 41 Resp: 217028

Ion	Ratio	Lower	Upper
41	100		
39	66.0	54.7	82.1
76	31.8	25.7	38.5

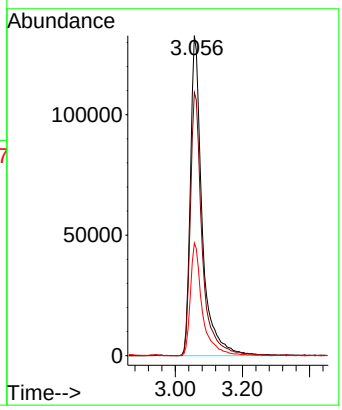




#15
Acrylonitrile
Concen: 293.899 ug/l
RT: 3.056 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047658.D
Acq: 18 Sep 2025 21:16

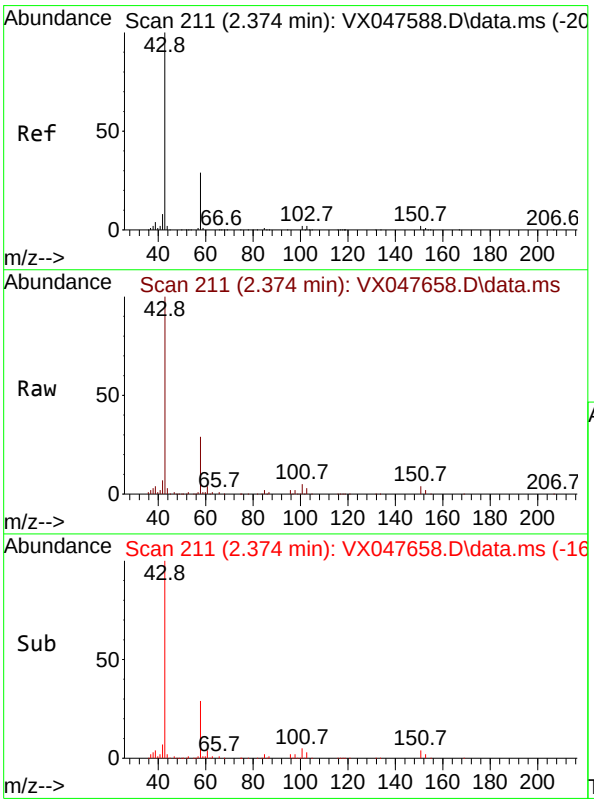
Tgt Ion: 53 Resp: 32413

Ion	Ratio	Lower	Upper
53	100		
52	82.6	66.4	99.6
51	36.0	29.5	44.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

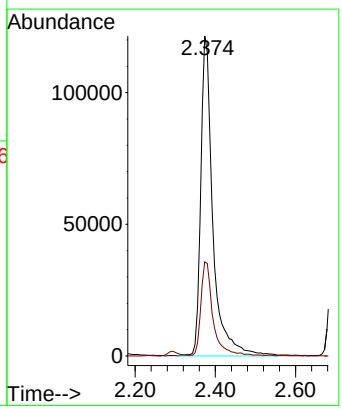
Manual Integrations
APPROVED
Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025

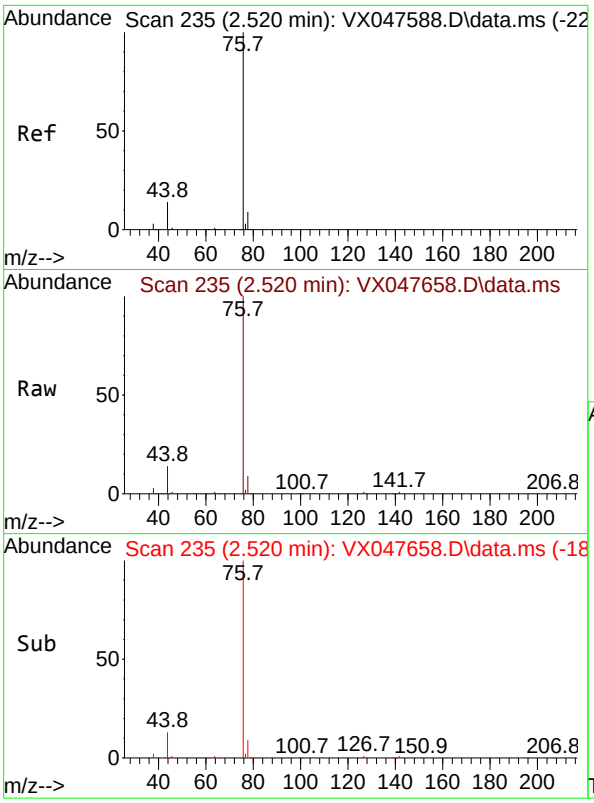


#16
Acetone
Concen: 219.729 ug/l
RT: 2.374 min Scan# 211
Delta R.T. 0.000 min
Lab File: VX047658.D
Acq: 18 Sep 2025 21:16

Tgt Ion: 43 Resp: 255414

Ion	Ratio	Lower	Upper
43	100		
58	29.3	23.4	35.0

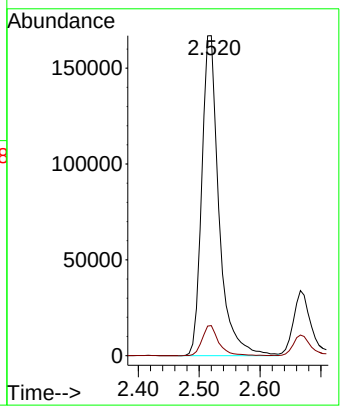




#17
Carbon Disulfide
Concen: 59.925 ug/l
RT: 2.520 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX047658.D
Acq: 18 Sep 2025 21:16

Tgt Ion: 76 Resp: 32735

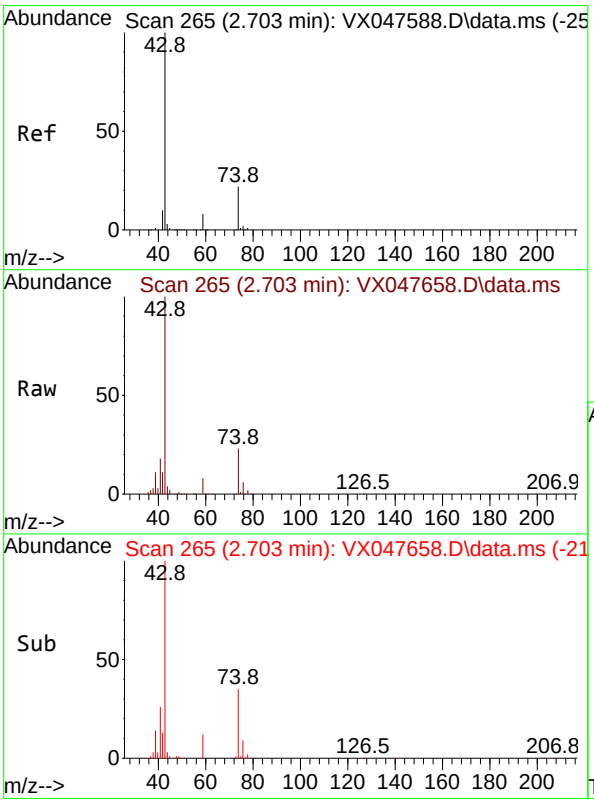
Ion	Ratio	Lower	Upper
76	100		
78	9.4	6.8	10.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

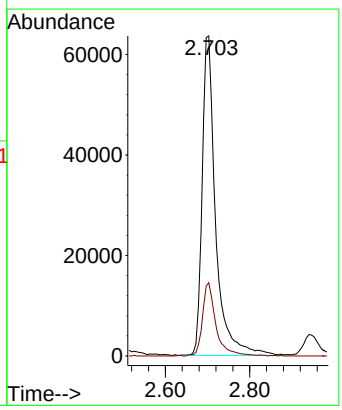
Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025

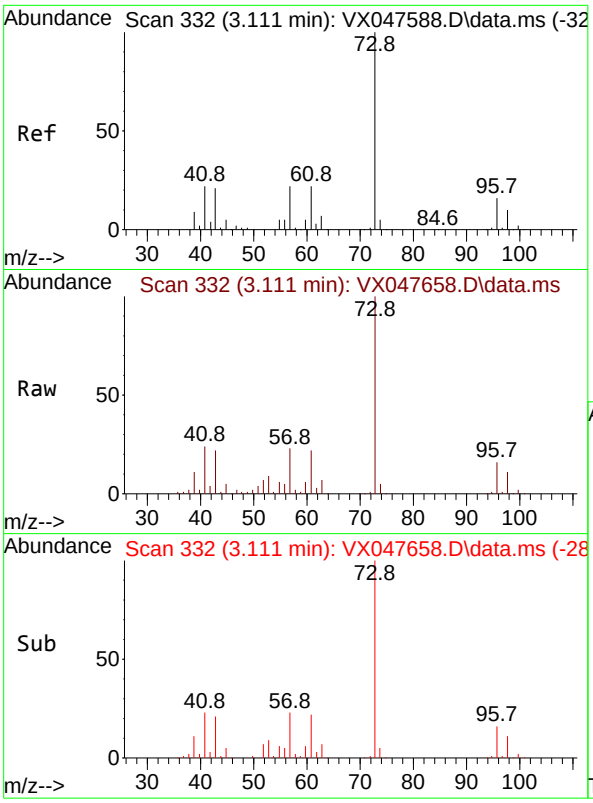


#18
Methyl Acetate
Concen: 54.842 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX047658.D
Acq: 18 Sep 2025 21:16

Tgt Ion: 43 Resp: 141872

Ion	Ratio	Lower	Upper
43	100		
74	22.9	17.4	26.2

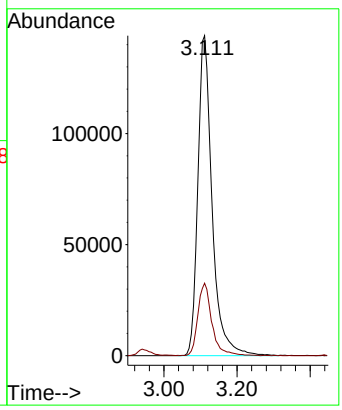




#19
Methyl tert-butyl Ether
Concen: 53.778 ug/l
RT: 3.111 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX047658.D
Acq: 18 Sep 2025 21:16

Tgt Ion: 73 Resp: 39174

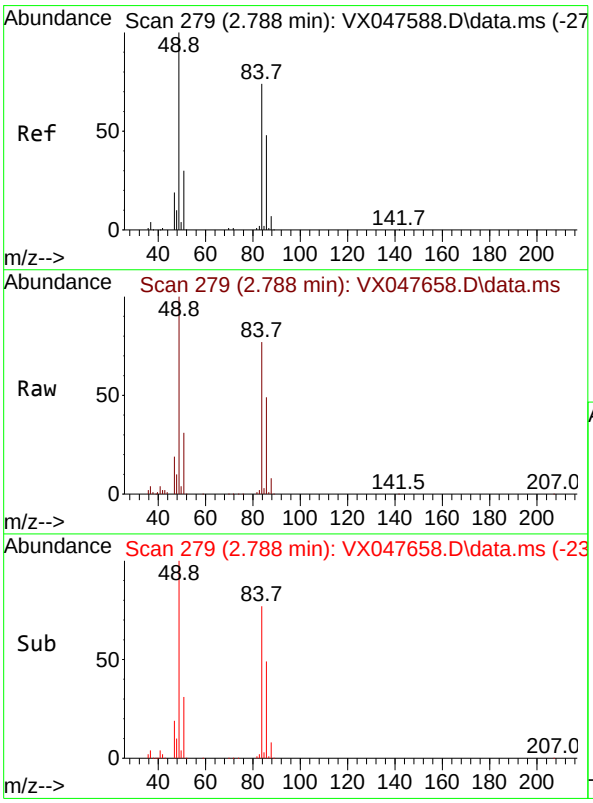
Ion	Ratio	Lower	Upper
73	100		
57	22.7	17.4	26.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

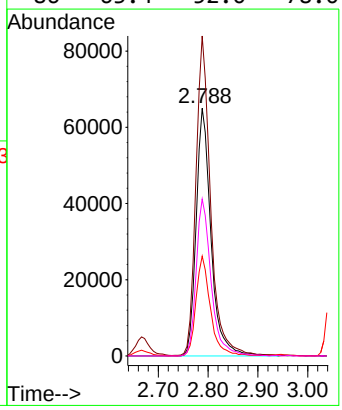
Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025

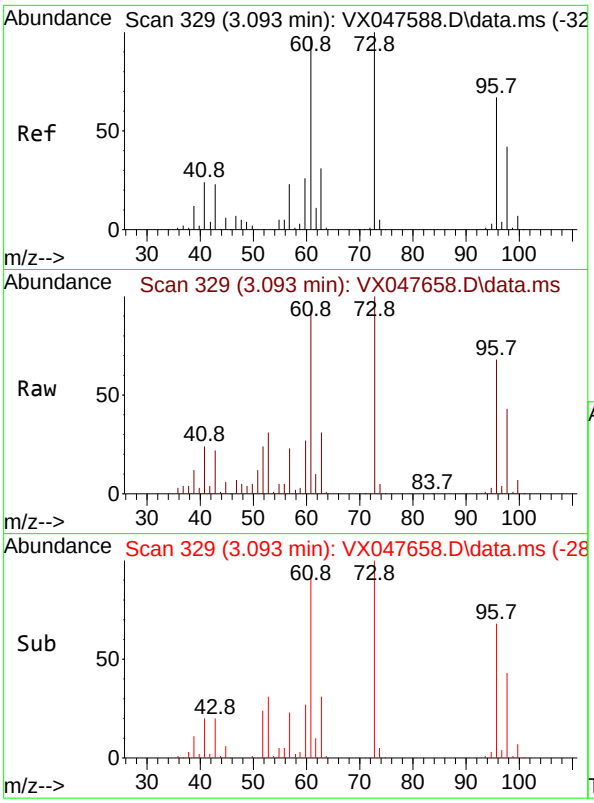


#20
Methylene Chloride
Concen: 54.805 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX047658.D
Acq: 18 Sep 2025 21:16

Tgt Ion: 84 Resp: 134847

Ion	Ratio	Lower	Upper
84	100		
49	129.0	108.6	162.8
51	40.3	32.6	48.8
86	63.4	52.0	78.0

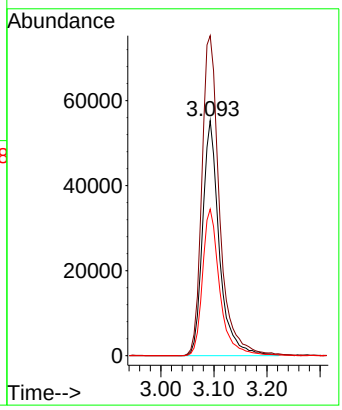




#21
trans-1,2-Dichloroethene
Concen: 56.420 ug/l
RT: 3.093 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX047658.D
Acq: 18 Sep 2025 21:16

Tgt Ion: 96 Resp: 12121

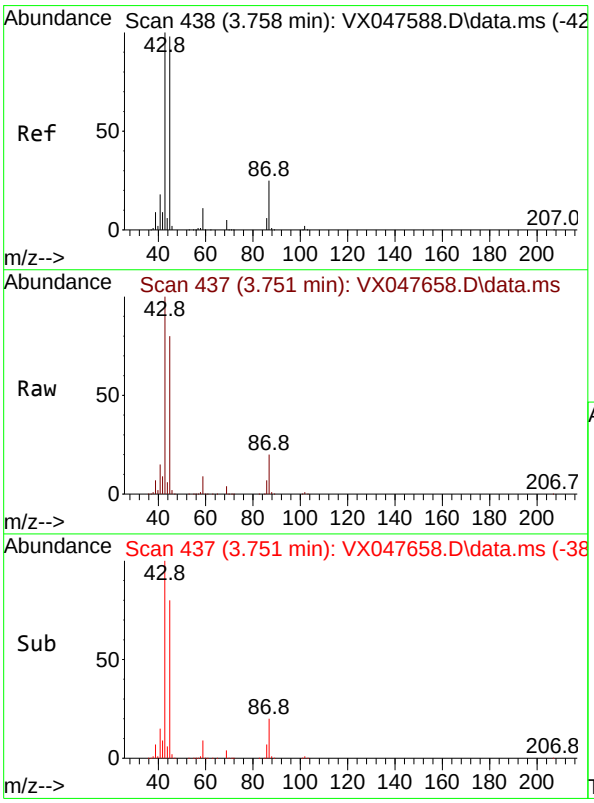
Ion	Ratio	Lower	Upper
96	100		
61	136.1	116.2	174.2
98	62.4	49.3	73.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

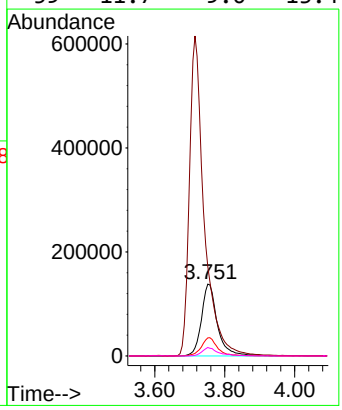
Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025

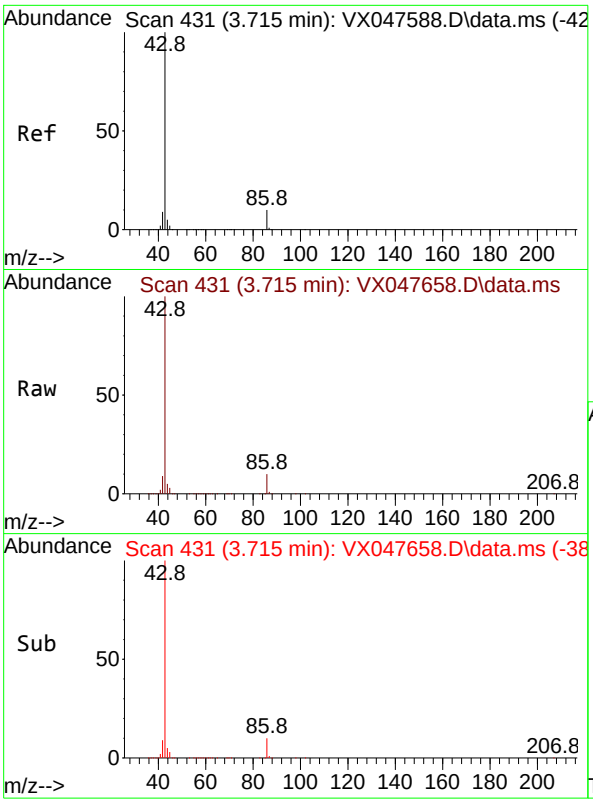


#22
Diisopropyl ether
Concen: 54.509 ug/l
RT: 3.751 min Scan# 437
Delta R.T. -0.006 min
Lab File: VX047658.D
Acq: 18 Sep 2025 21:16

Tgt Ion: 45 Resp: 434997

Ion	Ratio	Lower	Upper
45	100		
43	123.3	81.0	121.4#
87	25.2	20.3	30.5
59	11.7	9.0	13.4





#23
Vinyl Acetate
Concen: 283.269 ug/l
RT: 3.715 min Scan# 4
Delta R.T. 0.000 min
Lab File: VX047658.D
Acq: 18 Sep 2025 21:16

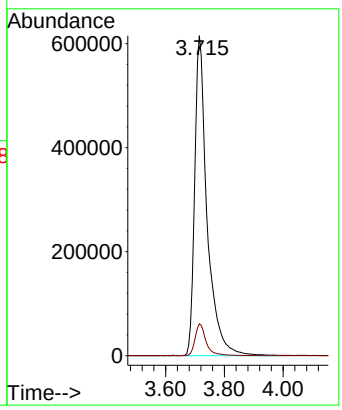
Tgt Ion: 43 Resp: 180922

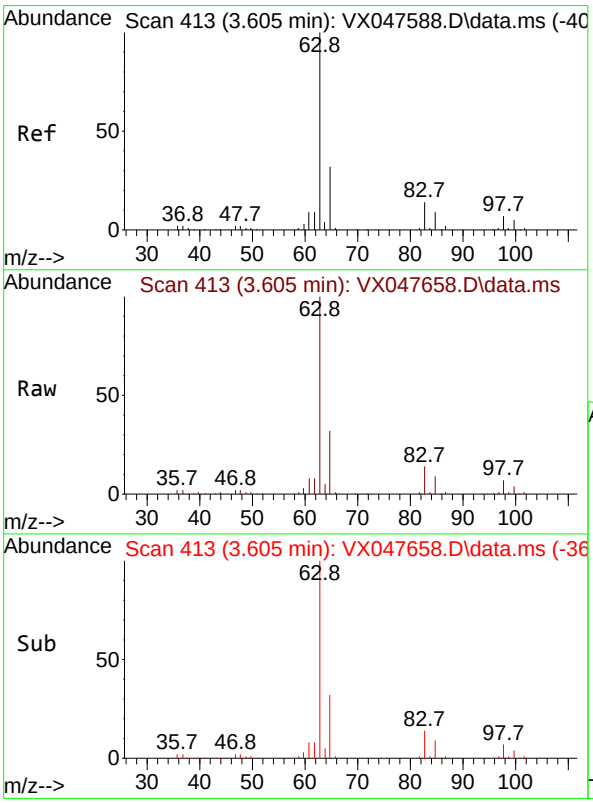
Ion	Ratio	Lower	Upper
43	100		
86	10.0	7.8	11.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025

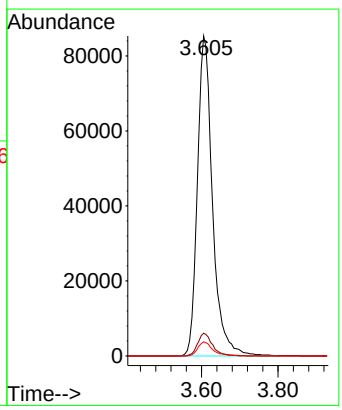


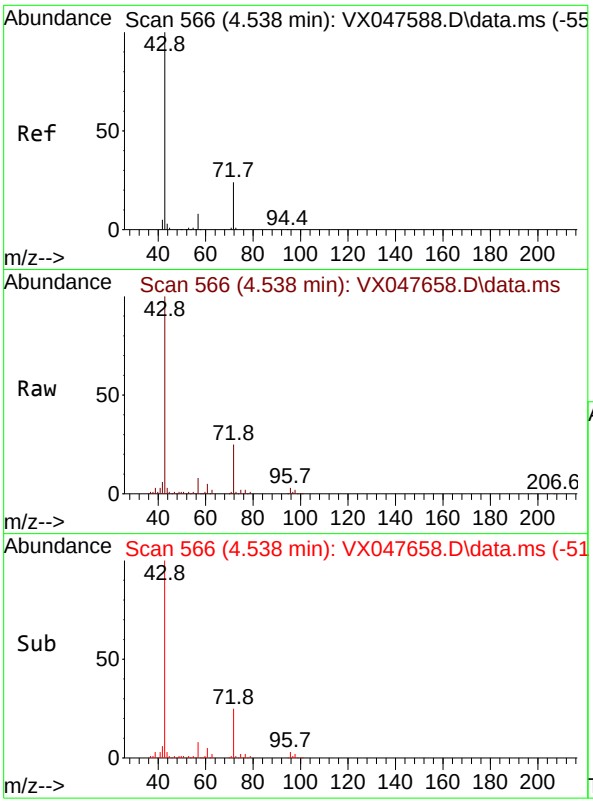


#24
1,1-Dichloroethane
Concen: 55.084 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX047658.D
Acq: 18 Sep 2025 21:16

Tgt Ion: 63 Resp: 233642

Ion	Ratio	Lower	Upper
63	100		
98	7.1	3.8	11.2
100	4.4	2.3	6.9





#25
2-Butanone
Concen: 264.947 ug/l
RT: 4.538 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX047658.D
Acq: 18 Sep 2025 21:16

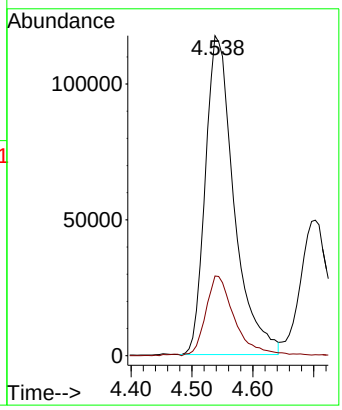
Tgt Ion: 43 Resp: 38416

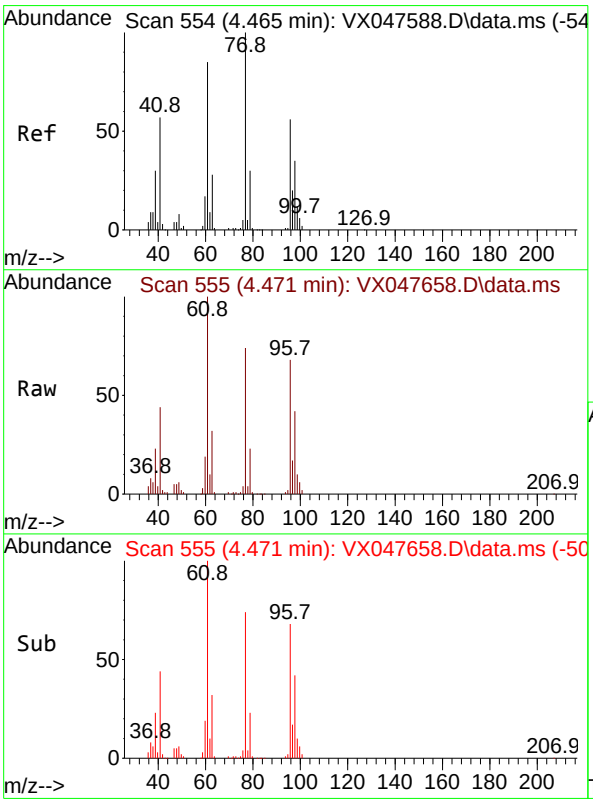
Ion	Ratio	Lower	Upper
43	100		
72	24.3	20.1	30.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025

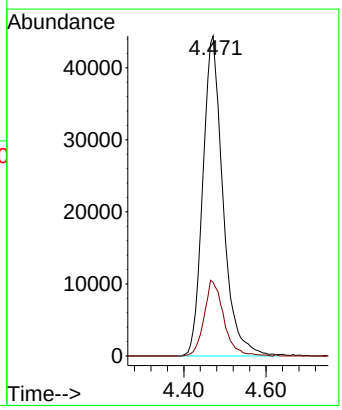


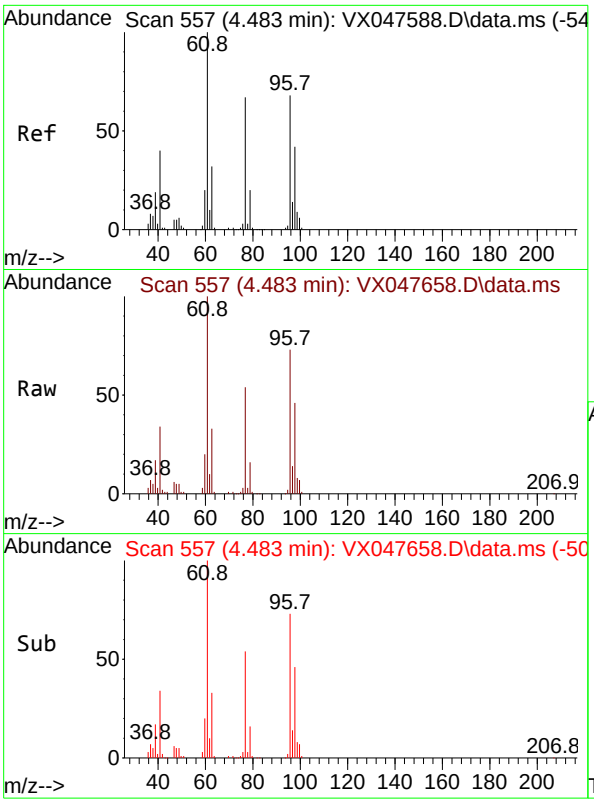


#26
2,2-Dichloropropane
Concen: 42.831 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX047658.D
Acq: 18 Sep 2025 21:16

Tgt Ion: 77 Resp: 151016

Ion	Ratio	Lower	Upper
77	100		
97	23.0	10.9	32.7

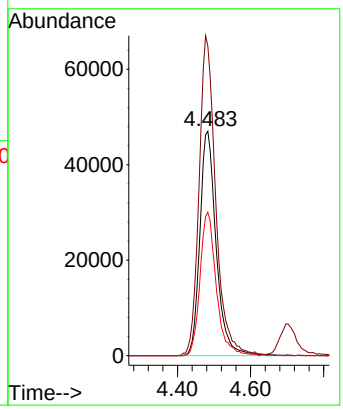




#27
cis-1,2-Dichloroethene
Concen: 55.442 ug/l
RT: 4.483 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX047658.D
Acq: 18 Sep 2025 21:16

Tgt Ion: 96 Resp: 14587

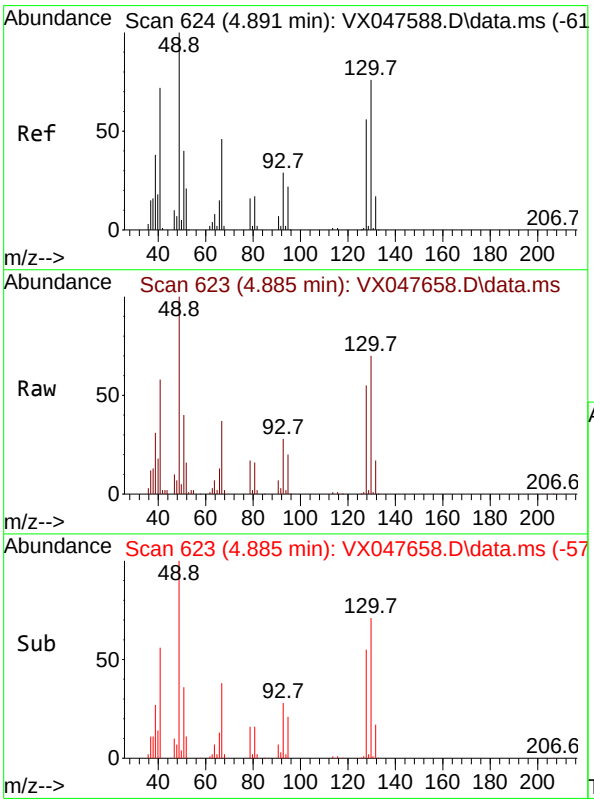
Ion	Ratio	Lower	Upper
96	100		
61	145.4	0.0	303.2
98	63.7	0.0	127.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

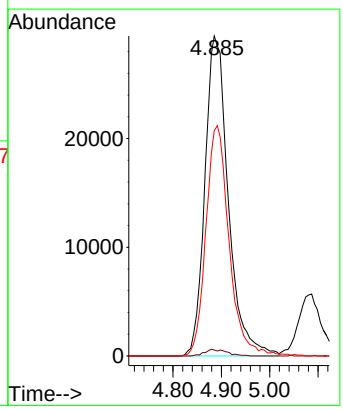
Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025

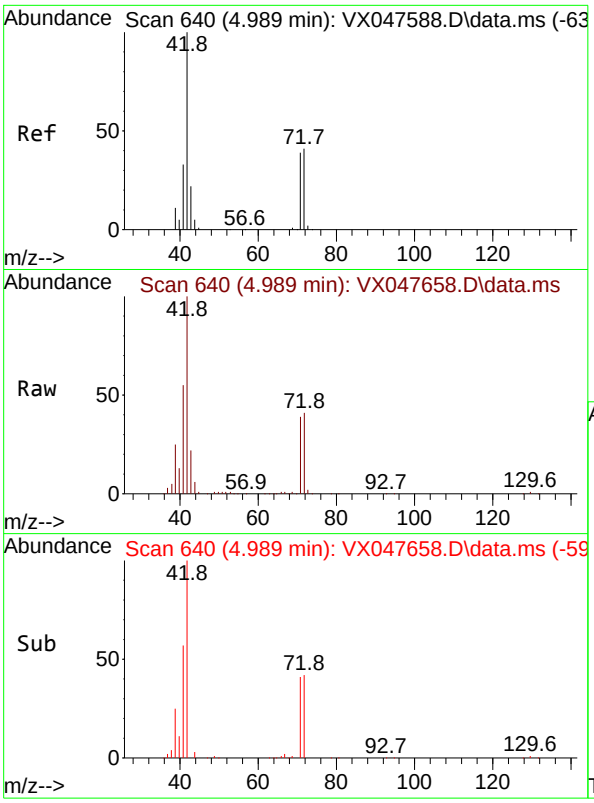


#28
Bromochloromethane
Concen: 53.438 ug/l
RT: 4.885 min Scan# 623
Delta R.T. -0.006 min
Lab File: VX047658.D
Acq: 18 Sep 2025 21:16

Tgt Ion: 49 Resp: 98953

Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	3.2
130	71.2	57.8	86.8





#29
Tetrahydrofuran
Concen: 280.136 ug/l
RT: 4.989 min Scan# 64
Delta R.T. 0.000 min
Lab File: VX047658.D
Acq: 18 Sep 2025 21:16

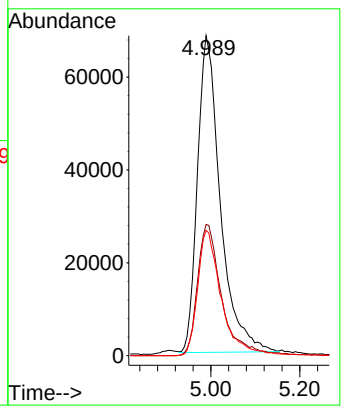
Tgt Ion: 42 Resp: 24435

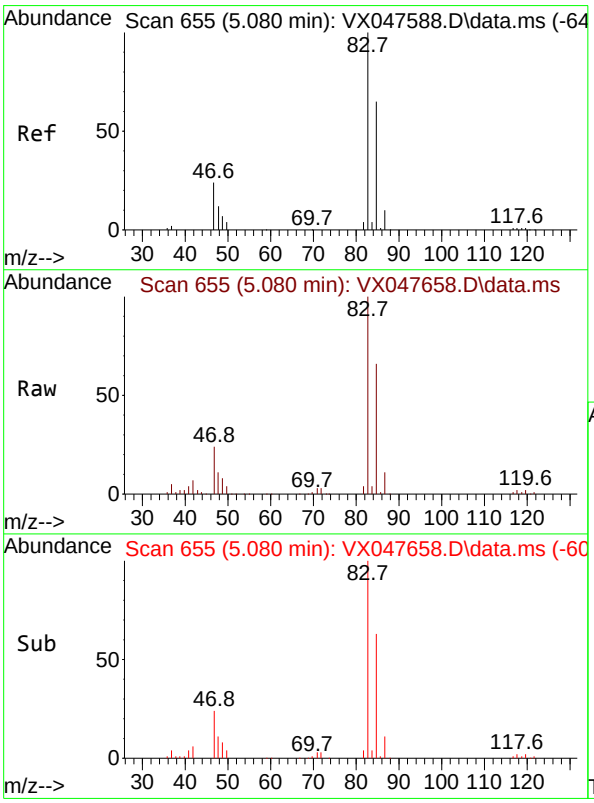
Ion	Ratio	Lower	Upper
42	100		
72	44.0	34.2	51.2
71	40.9	31.9	47.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025

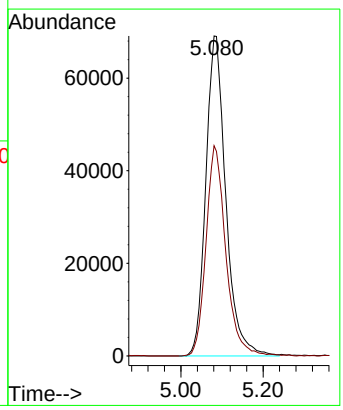


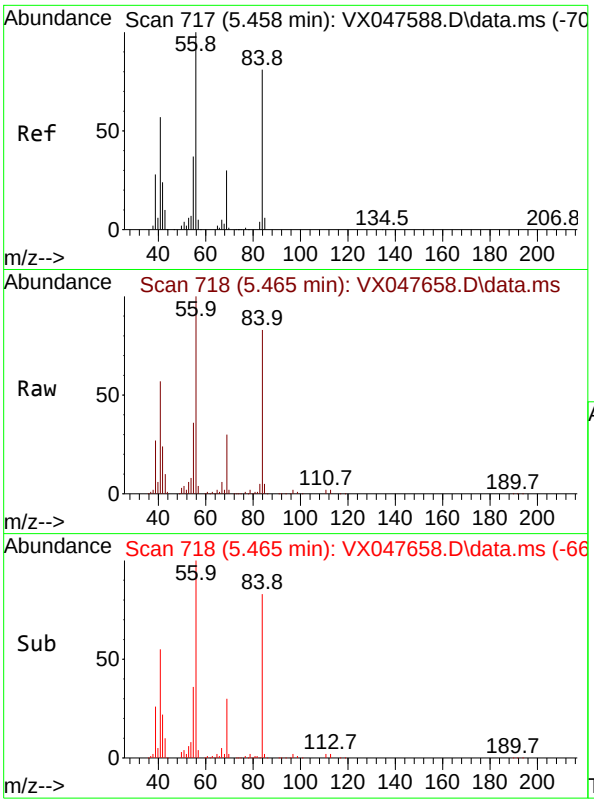


#30
Chloroform
Concen: 54.285 ug/l
RT: 5.080 min Scan# 655
Delta R.T. 0.000 min
Lab File: VX047658.D
Acq: 18 Sep 2025 21:16

Tgt Ion: 83 Resp: 232676

Ion	Ratio	Lower	Upper
83	100		
85	65.7	51.8	77.6

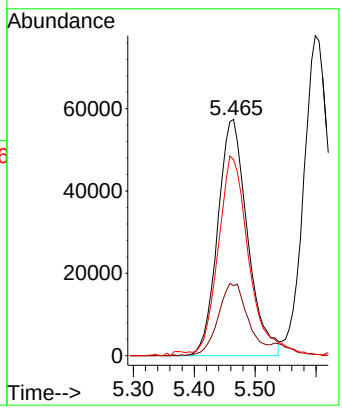




#31
Cyclohexane
Concen: 55.215 ug/l
RT: 5.465 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047658.D
Acq: 18 Sep 2025 21:16

Tgt Ion: 56 Resp: 19505

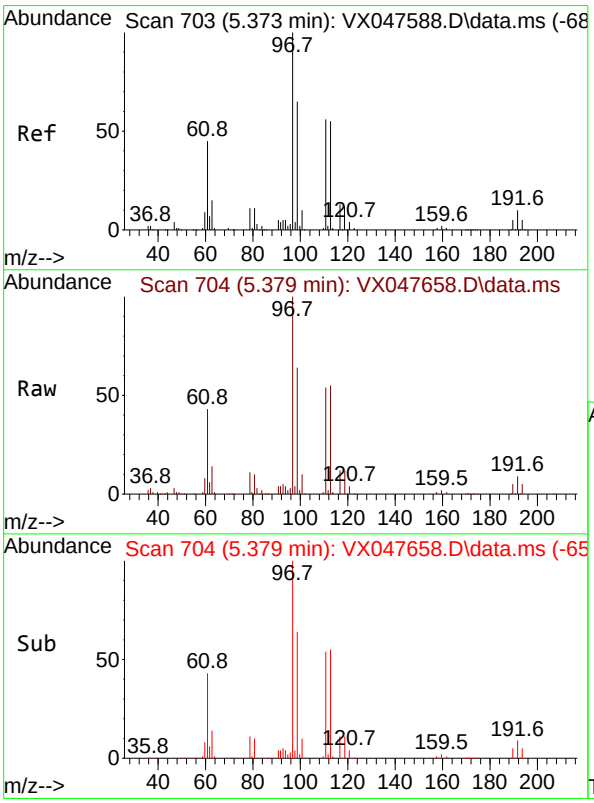
Ion	Ratio	Lower	Upper
56	100		
69	29.2	23.8	35.8
84	81.2	64.6	97.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

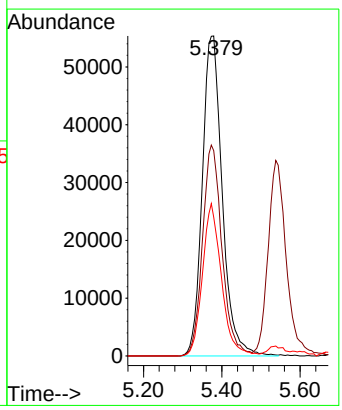
Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025

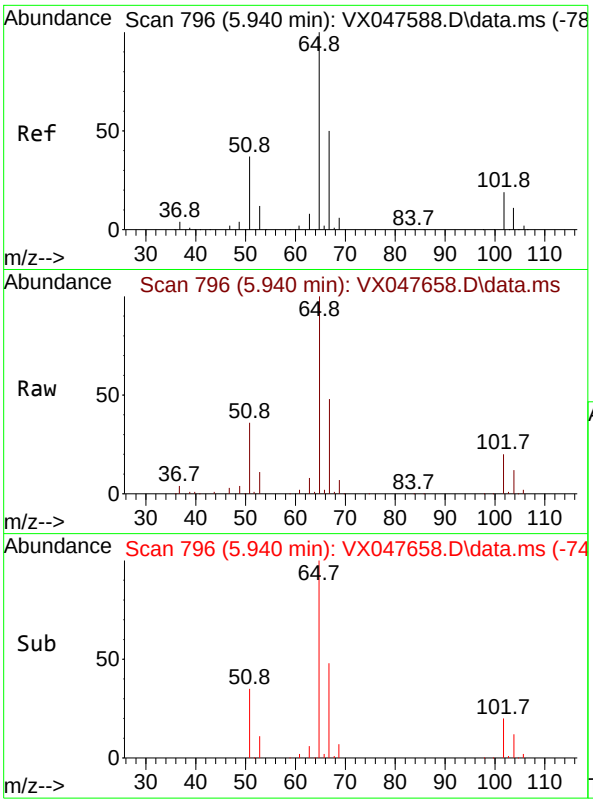


#32
1,1,1-Trichloroethane
Concen: 53.945 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX047658.D
Acq: 18 Sep 2025 21:16

Tgt Ion: 97 Resp: 196125

Ion	Ratio	Lower	Upper
97	100		
99	64.1	50.6	76.0
61	45.3	35.8	53.8

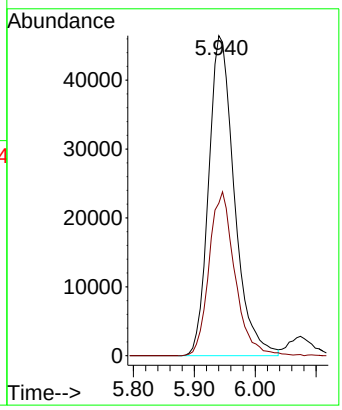




#33
1,2-Dichloroethane-d4
Concen: 50.938 ug/l
RT: 5.940 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX047658.D
Acq: 18 Sep 2025 21:16

Tgt Ion: 65 Resp: 13617

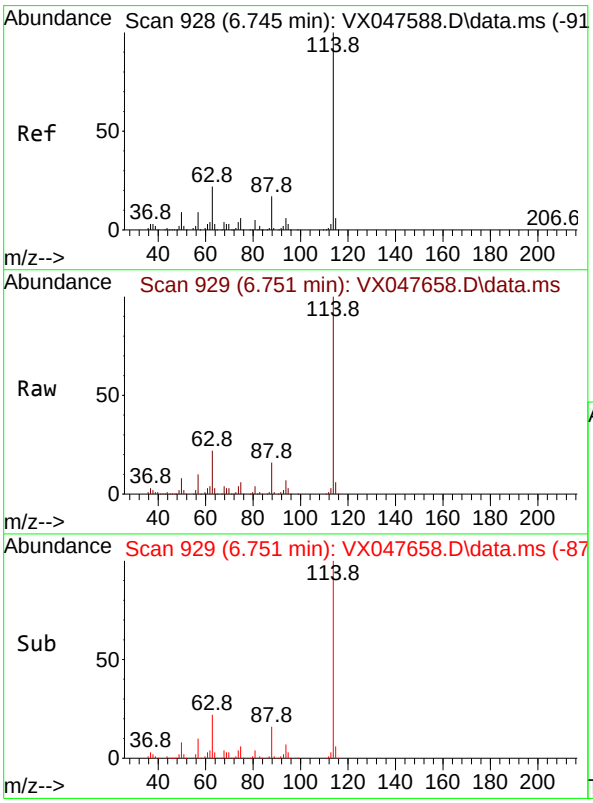
Ion	Ratio	Lower	Upper
65	100		
67	51.5	0.0	103.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

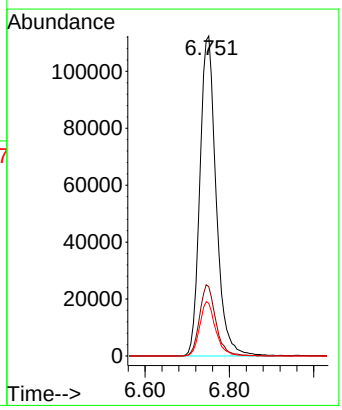
Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025

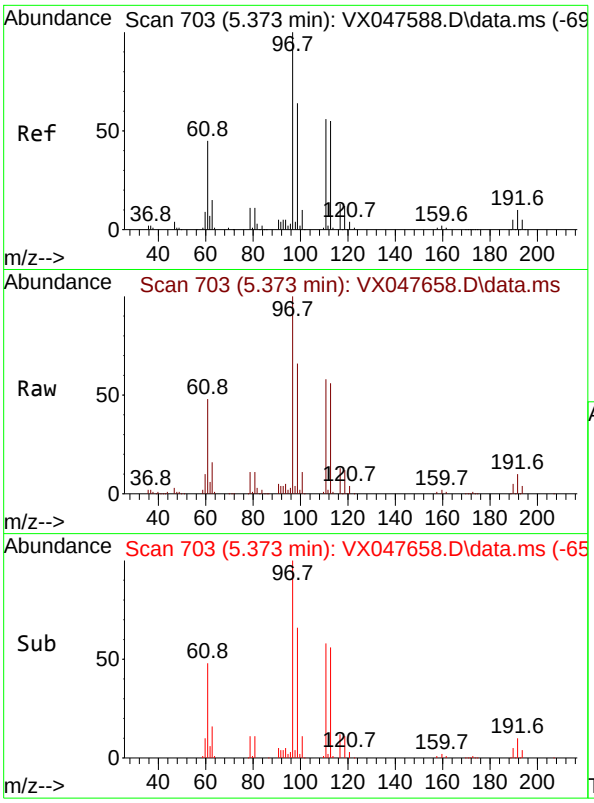


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 929
Delta R.T. 0.006 min
Lab File: VX047658.D
Acq: 18 Sep 2025 21:16

Tgt Ion:114 Resp: 301649

Ion	Ratio	Lower	Upper
114	100		
63	21.6	0.0	44.0
88	16.5	0.0	34.2

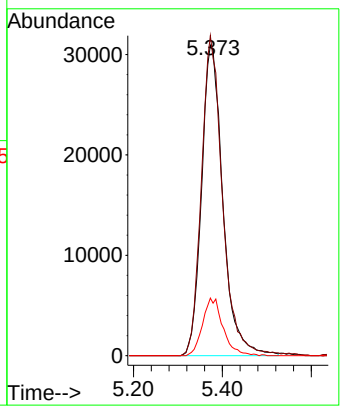




#35
Dibromofluoromethane
Concen: 51.115 ug/l
RT: 5.373 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX047658.D
Acq: 18 Sep 2025 21:16

Tgt Ion:113 Resp: 10340

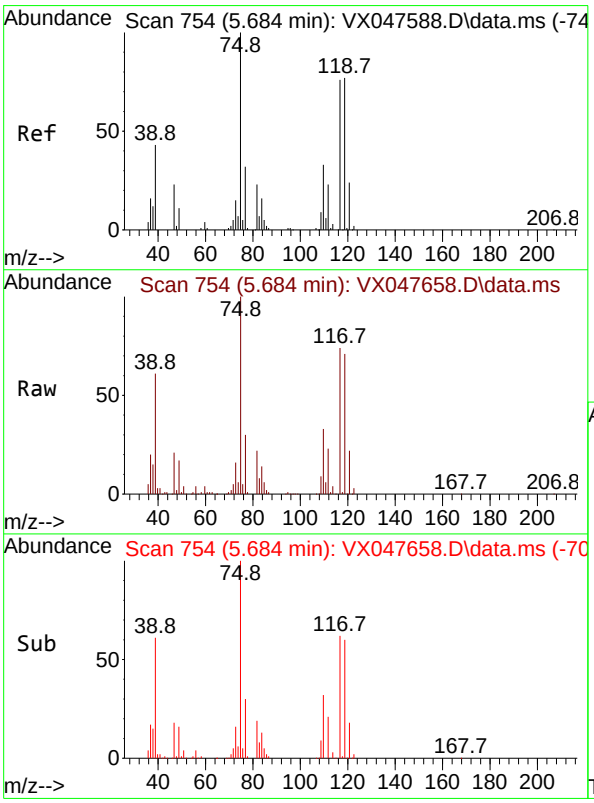
Ion	Ratio	Lower	Upper
113	100		
111	101.8	80.9	121.3
192	17.8	14.2	21.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

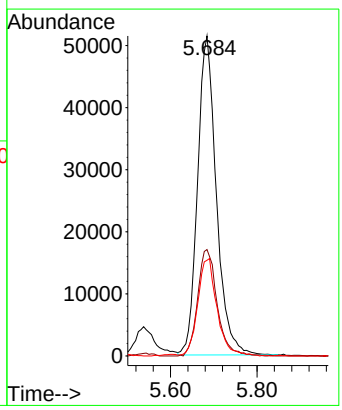
Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025

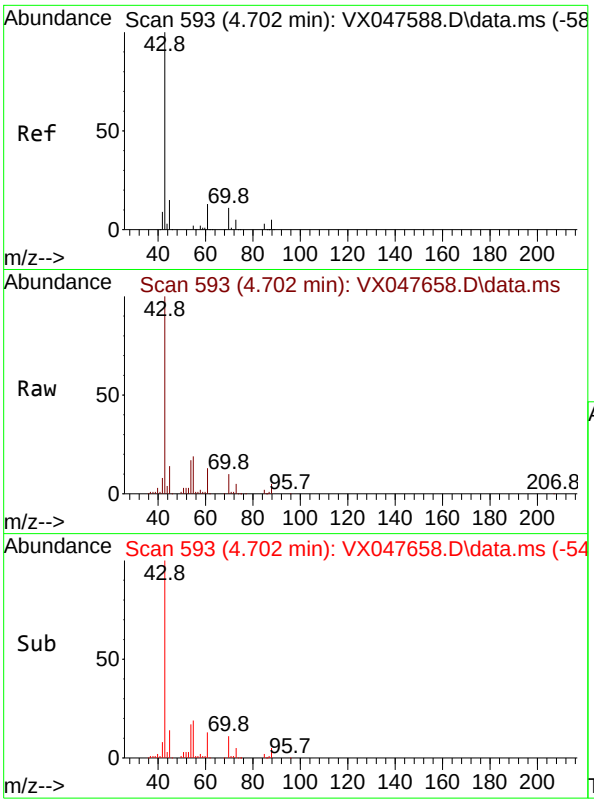


#36
1,1-Dichloropropene
Concen: 52.483 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.000 min
Lab File: VX047658.D
Acq: 18 Sep 2025 21:16

Tgt Ion: 75 Resp: 155147

Ion	Ratio	Lower	Upper
75	100		
110	34.5	16.7	50.1
77	31.3	24.3	36.5





#37
Ethyl Acetate
Concen: 54.969 ug/l
RT: 4.702 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX047658.D
Acq: 18 Sep 2025 21:16

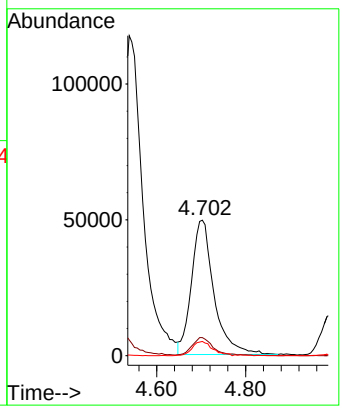
Tgt Ion: 43 Resp: 17398

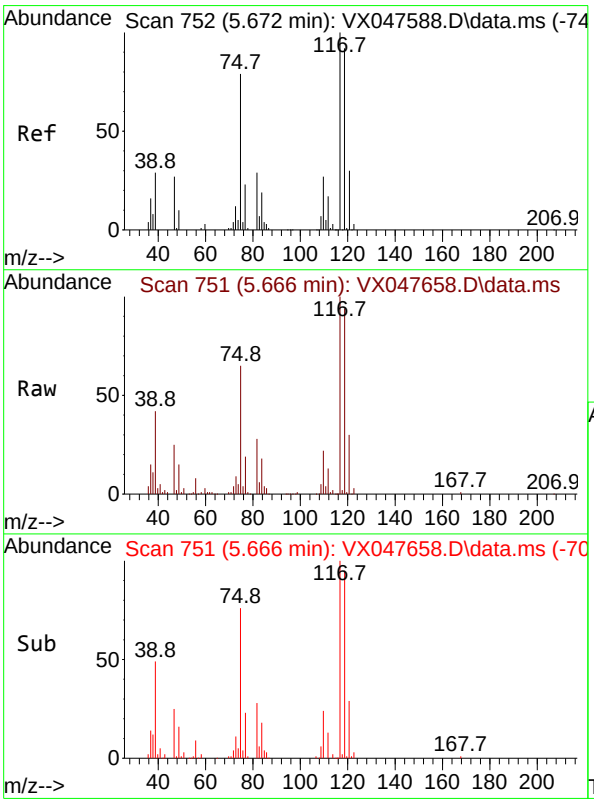
Ion	Ratio	Lower	Upper
43	100		
61	12.5	9.8	14.8
70	9.5	7.9	11.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025

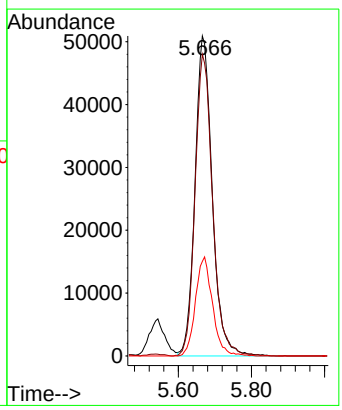


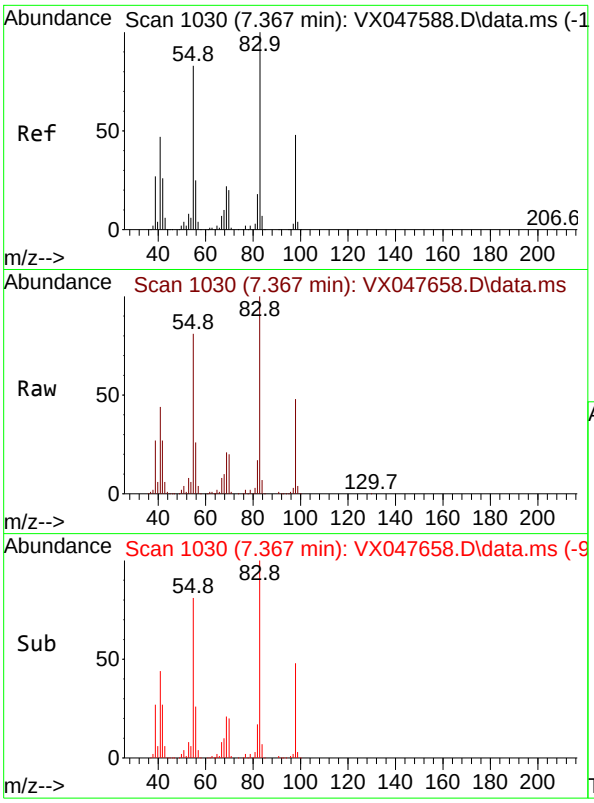


#38
Carbon Tetrachloride
Concen: 52.118 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX047658.D
Acq: 18 Sep 2025 21:16

Tgt Ion:117 Resp: 167396

Ion	Ratio	Lower	Upper
117	100		
119	94.3	73.4	110.2
121	29.5	23.8	35.6

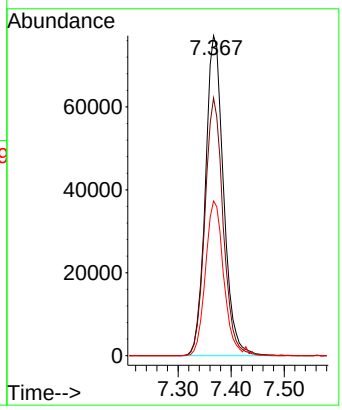




#39
Methylcyclohexane
Concen: 54.630 ug/l
RT: 7.367 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047658.D
Acq: 18 Sep 2025 21:16

Tgt Ion: 83 Resp: 18331

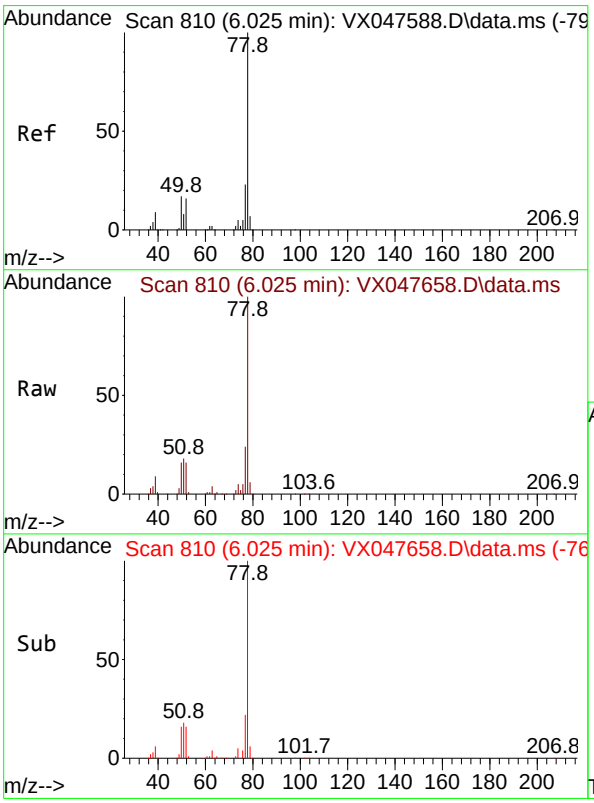
Ion	Ratio	Lower	Upper
83	100		
55	80.5	66.4	99.6
98	48.4	38.1	57.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

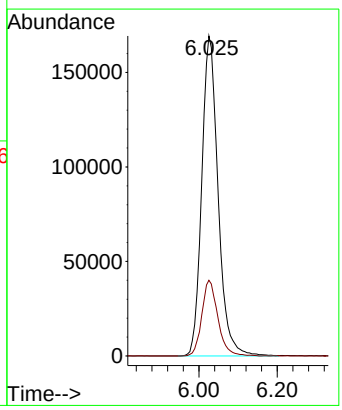
Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025

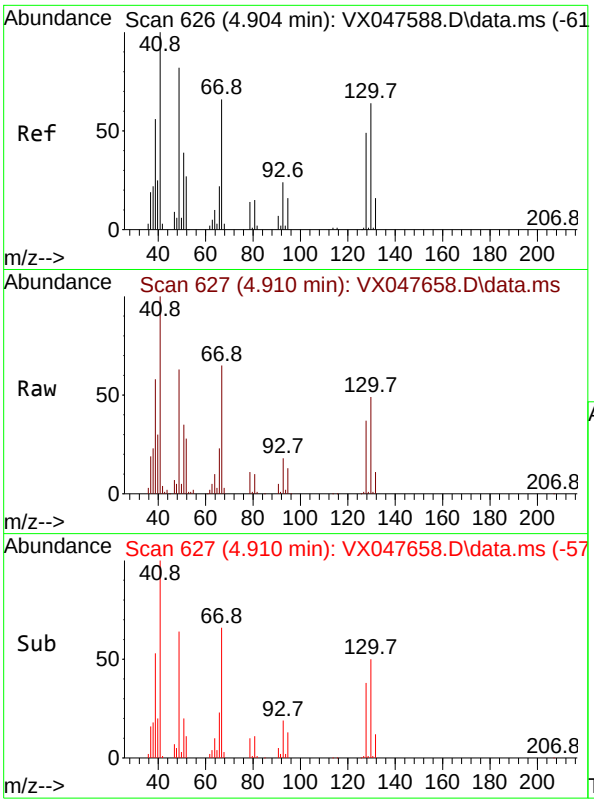


#40
Benzene
Concen: 54.614 ug/l
RT: 6.025 min Scan# 810
Delta R.T. 0.000 min
Lab File: VX047658.D
Acq: 18 Sep 2025 21:16

Tgt Ion: 78 Resp: 490348

Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.8	28.2

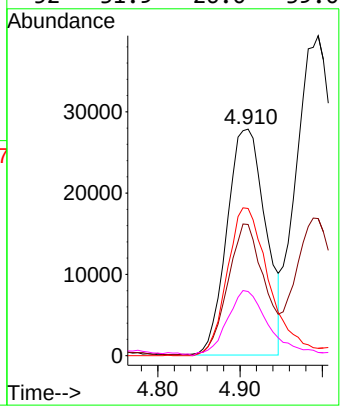




#41
Methacrylonitrile
Concen: 55.718 ug/l
RT: 4.910 min Scan# 6
Delta R.T. 0.006 min
Lab File: VX047658.D
Acq: 18 Sep 2025 21:16

Tgt Ion: 41 Resp: 9104

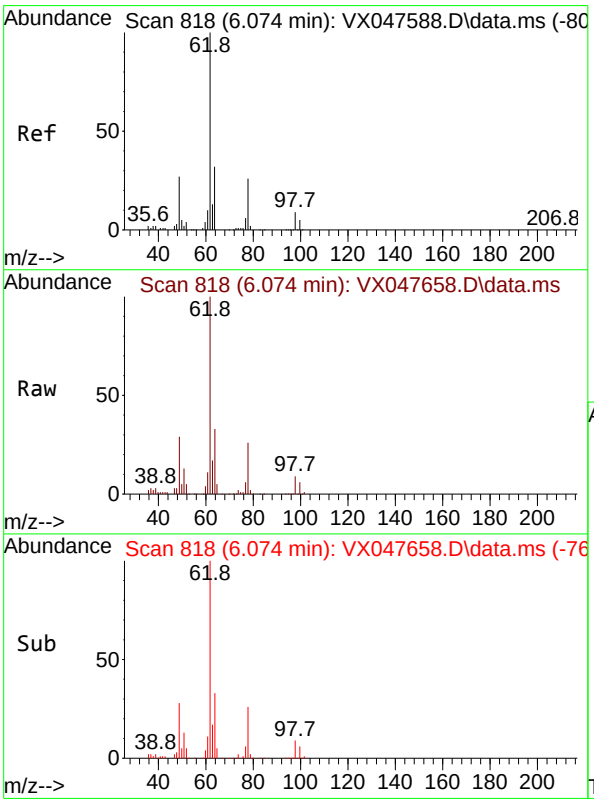
Ion	Ratio	Lower	Upper
41	100		
39	54.1	43.3	64.9
67	73.1	58.6	87.8
52	31.9	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

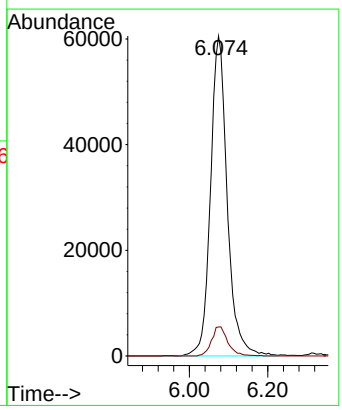
Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025

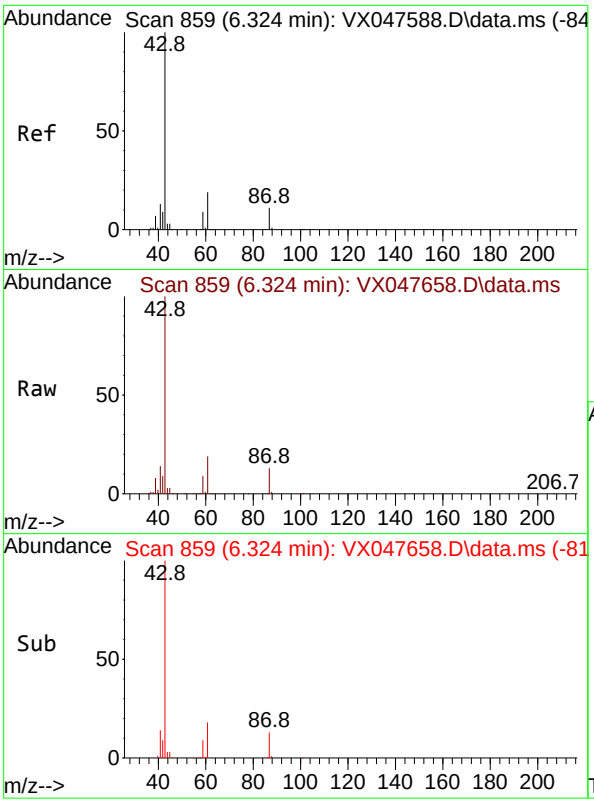


#42
1,2-Dichloroethane
Concen: 52.519 ug/l
RT: 6.074 min Scan# 818
Delta R.T. 0.000 min
Lab File: VX047658.D
Acq: 18 Sep 2025 21:16

Tgt Ion: 62 Resp: 179416

Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	17.0

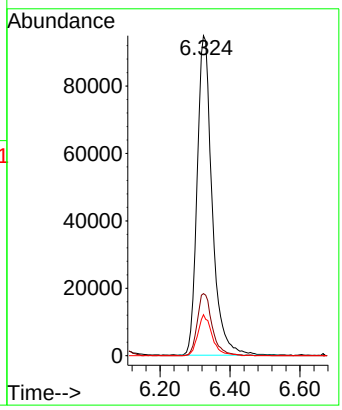




#43
Isopropyl Acetate
Concen: 54.217 ug/l
RT: 6.324 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX047658.D
Acq: 18 Sep 2025 21:16

Tgt Ion: 43 Resp: 28144

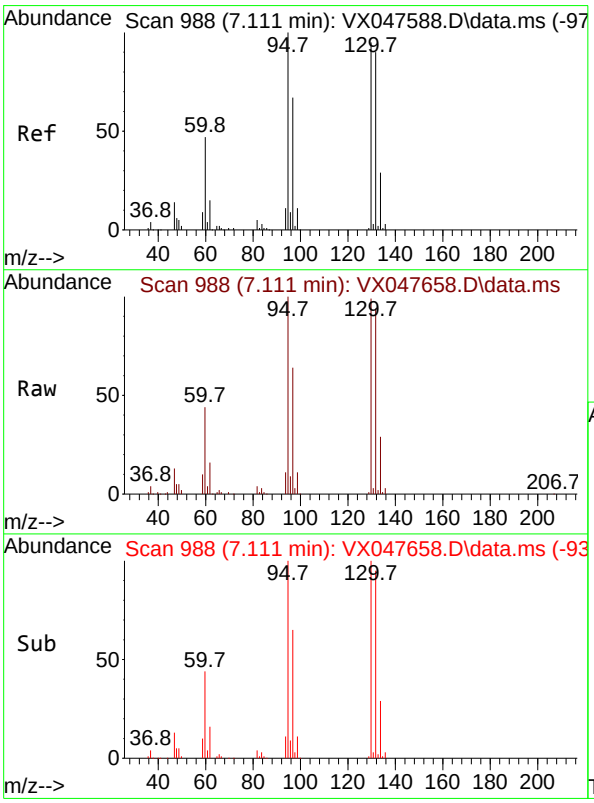
Ion	Ratio	Lower	Upper
43	100		
61	19.4	15.2	22.8
87	12.2	9.6	14.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

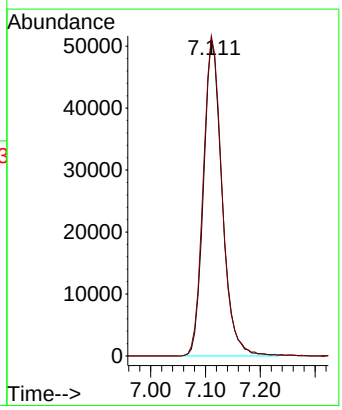
Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025

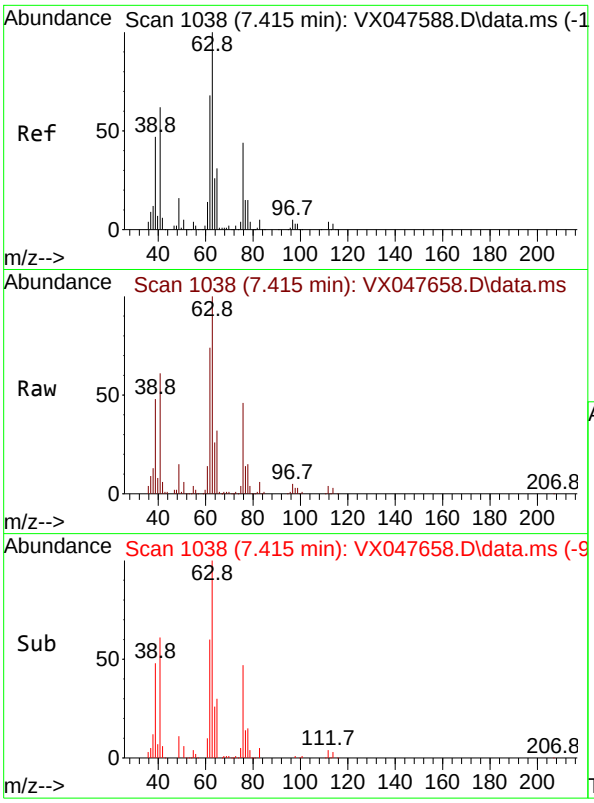


#44
Trichloroethene
Concen: 55.163 ug/l
RT: 7.111 min Scan# 988
Delta R.T. 0.000 min
Lab File: VX047658.D
Acq: 18 Sep 2025 21:16

Tgt Ion:130 Resp: 119740

Ion	Ratio	Lower	Upper
130	100		
95	100.8	0.0	210.8

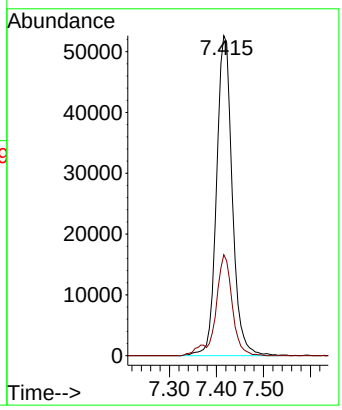




#45
1,2-Dichloropropane
Concen: 53.375 ug/l
RT: 7.415 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047658.D
Acq: 18 Sep 2025 21:16

Tgt Ion: 63 Resp: 12271

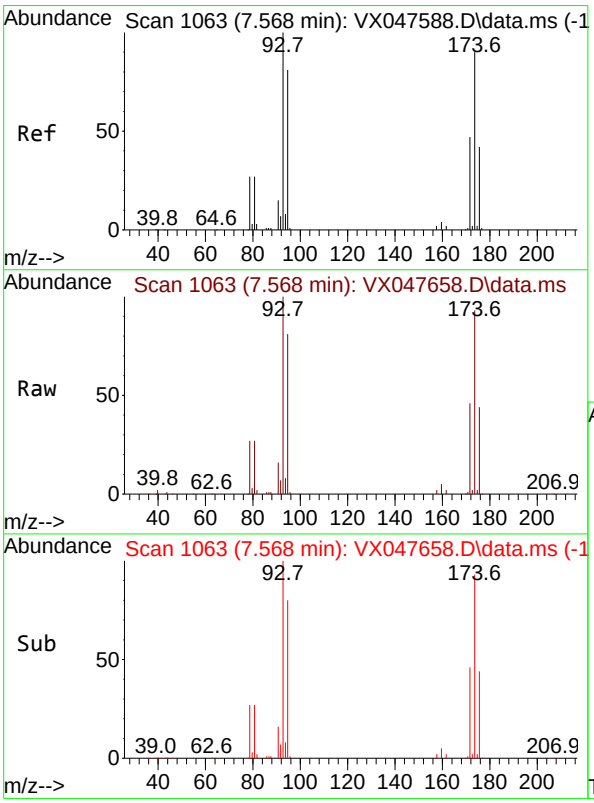
Ion	Ratio	Lower	Upper
63	100		
65	31.5	24.7	37.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

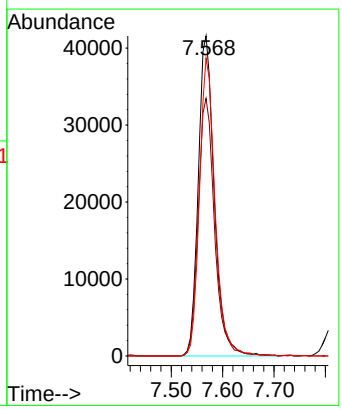
Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025

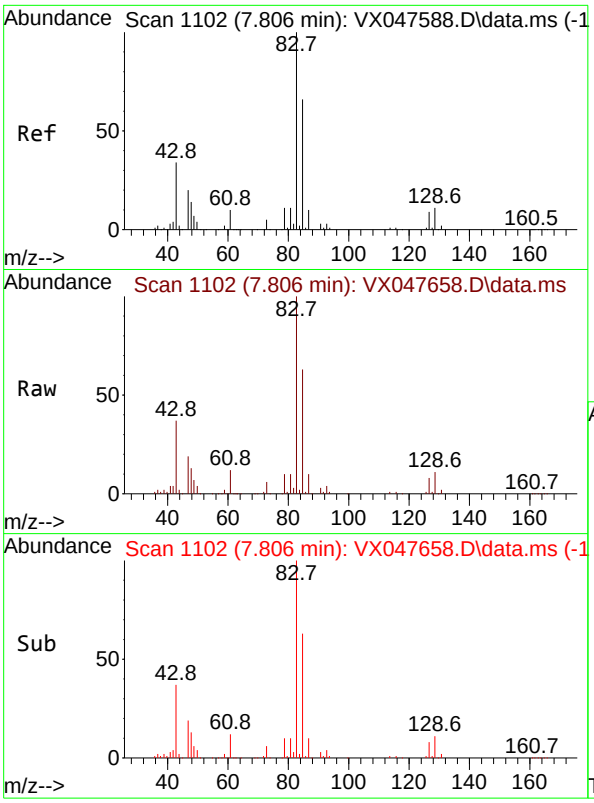


#46
Dibromomethane
Concen: 53.783 ug/l
RT: 7.568 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VX047658.D
Acq: 18 Sep 2025 21:16

Tgt Ion: 93 Resp: 89980

Ion	Ratio	Lower	Upper
93	100		
95	82.0	65.0	97.6
174	91.6	71.6	107.4

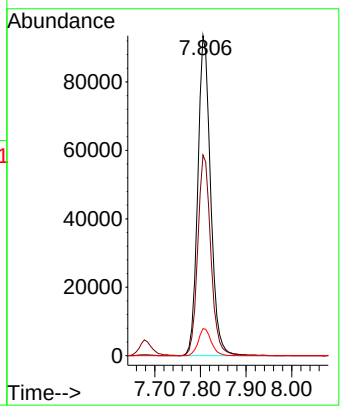




#47
Bromodichloromethane
Concen: 52.634 ug/l
RT: 7.806 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047658.D
Acq: 18 Sep 2025 21:16

Tgt Ion: 83 Resp: 18171

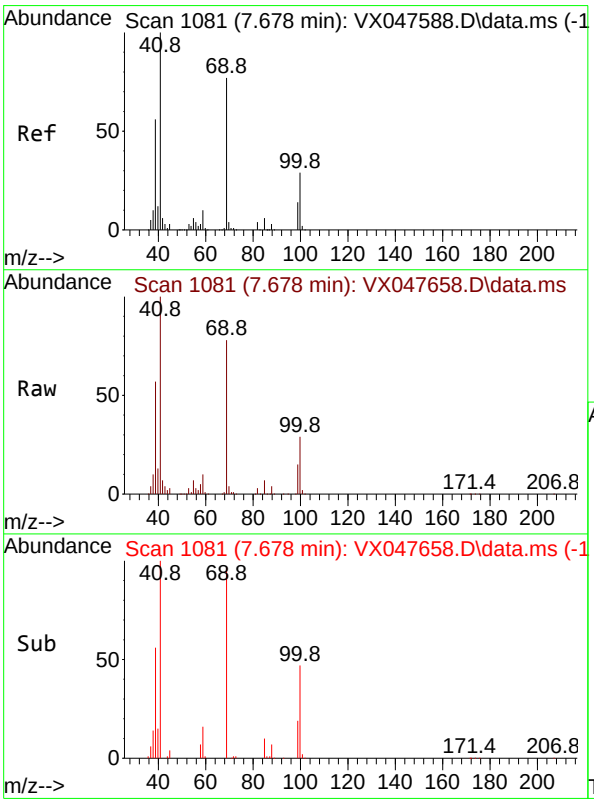
Ion	Ratio	Lower	Upper
83	100		
85	62.7	52.5	78.7
127	8.5	6.9	10.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

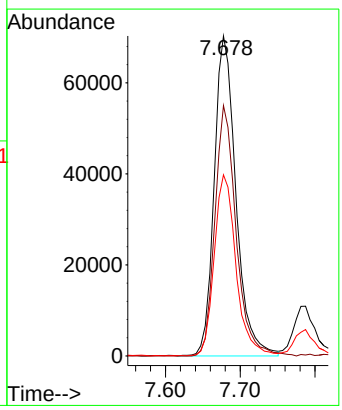
Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025

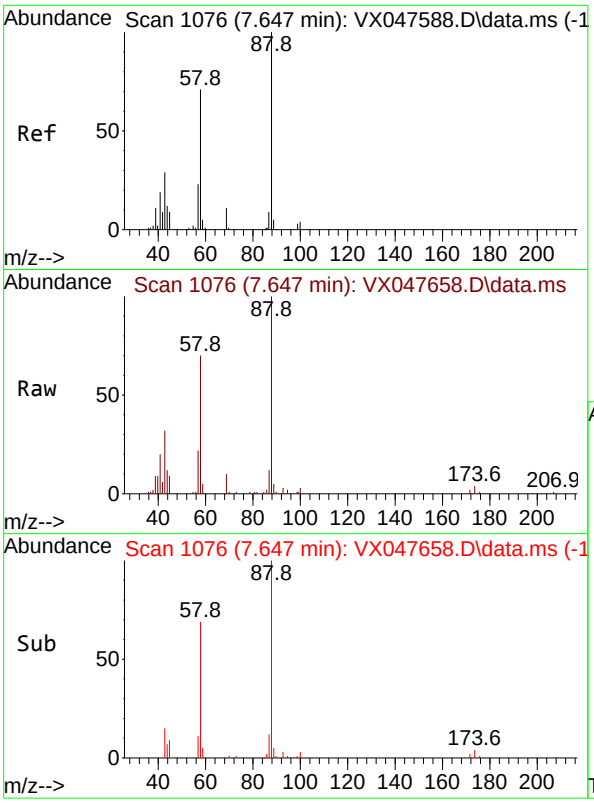


#48
Methyl methacrylate
Concen: 55.128 ug/l
RT: 7.678 min Scan# 1081
Delta R.T. 0.000 min
Lab File: VX047658.D
Acq: 18 Sep 2025 21:16

Tgt Ion: 41 Resp: 142545

Ion	Ratio	Lower	Upper
41	100		
69	76.3	61.4	92.2
39	56.5	45.8	68.6

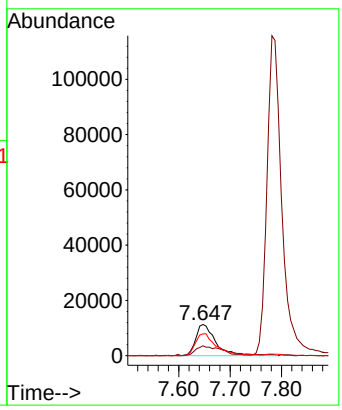




#49
1,4-Dioxane
Concen: 1180.454 ug/l
RT: 7.647 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047658.D
Acq: 18 Sep 2025 21:16

Tgt Ion: 88 Resp: 3084

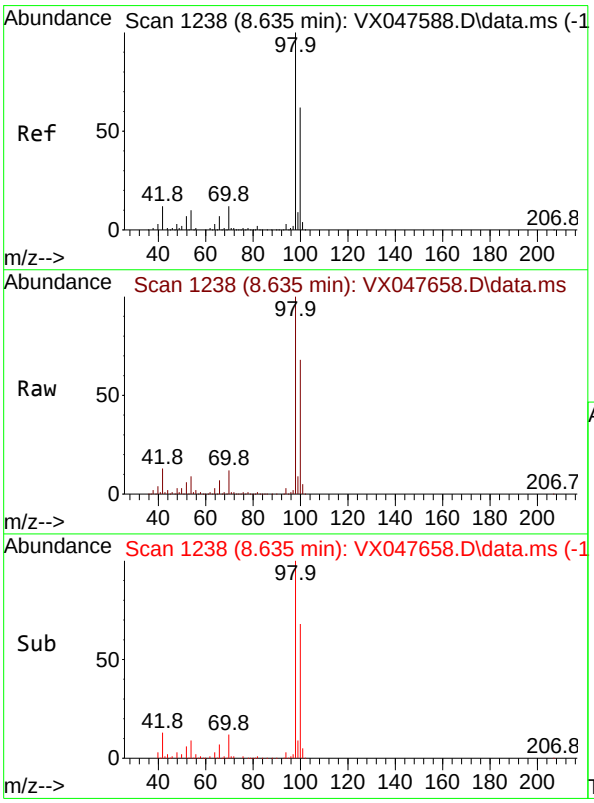
Ion	Ratio	Lower	Upper
88	100		
43	36.5	30.2	45.2
58	73.8	59.5	89.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

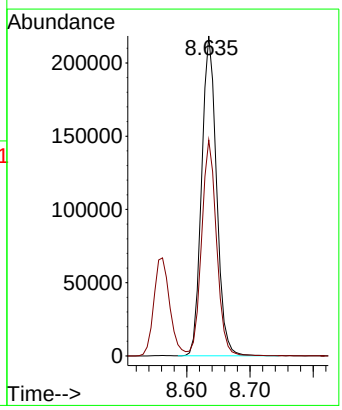
Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025

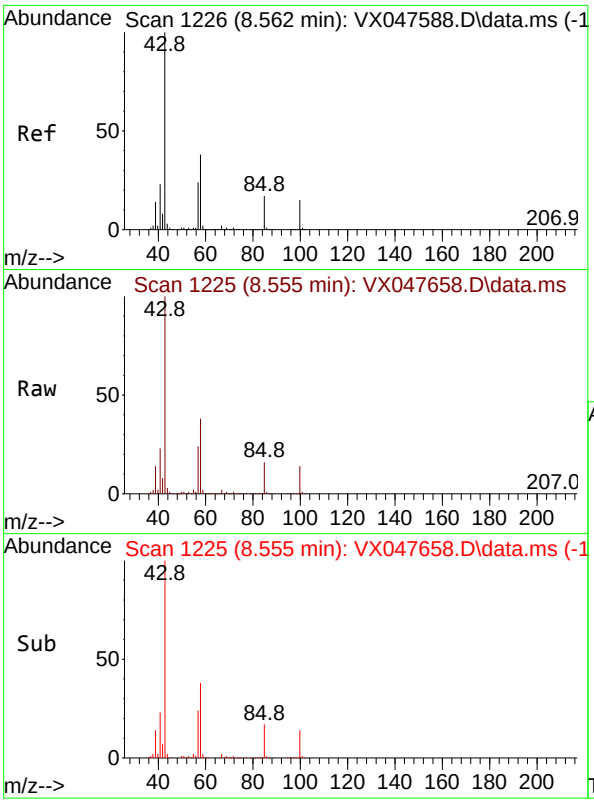


#50
Toluene-d8
Concen: 51.229 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. 0.000 min
Lab File: VX047658.D
Acq: 18 Sep 2025 21:16

Tgt Ion: 98 Resp: 358607

Ion	Ratio	Lower	Upper
98	100		
100	67.9	53.0	79.4

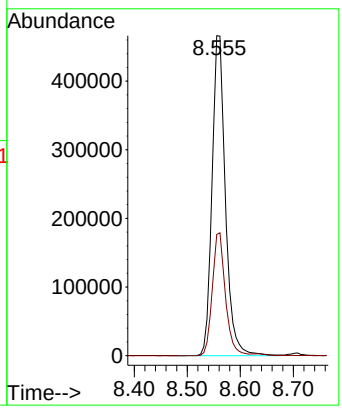




#51
4-Methyl-2-Pentanone
Concen: 284.360 ug/l
RT: 8.555 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047658.D
Acq: 18 Sep 2025 21:16

Tgt Ion: 43 Resp: 81843

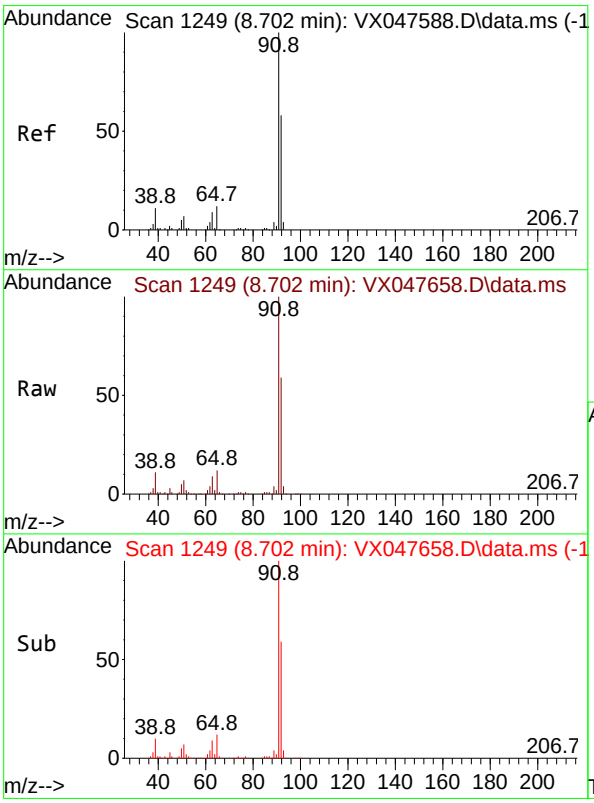
Ion	Ratio	Lower	Upper
43	100		
58	37.7	30.3	45.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

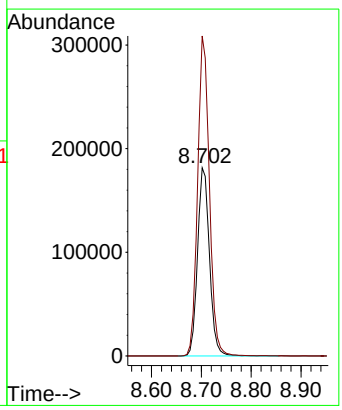
Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025

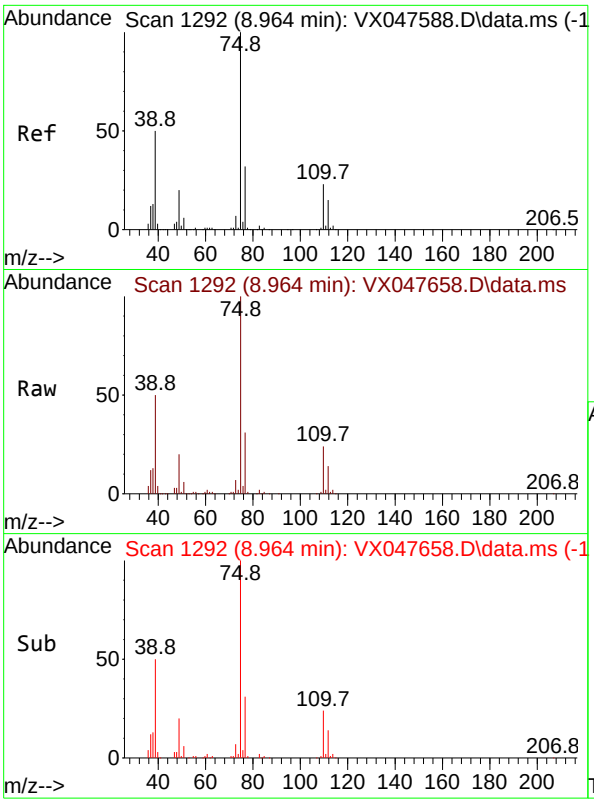


#52
Toluene
Concen: 54.337 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. 0.000 min
Lab File: VX047658.D
Acq: 18 Sep 2025 21:16

Tgt Ion: 92 Resp: 300572

Ion	Ratio	Lower	Upper
92	100		
91	167.6	137.1	205.7

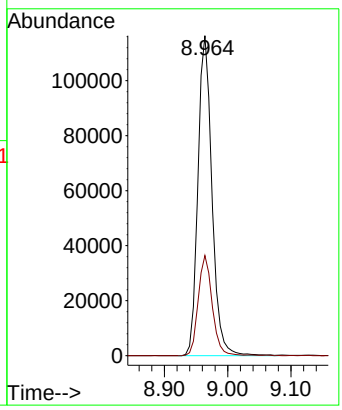




#53
t-1,3-Dichloropropene
Concen: 51.080 ug/l
RT: 8.964 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047658.D
Acq: 18 Sep 2025 21:16

Tgt Ion: 75 Resp: 17987

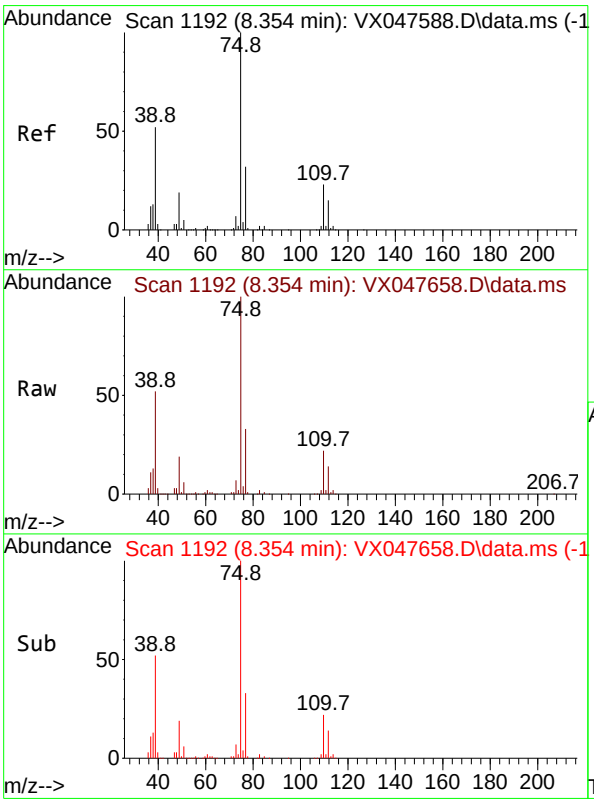
Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.4	38.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

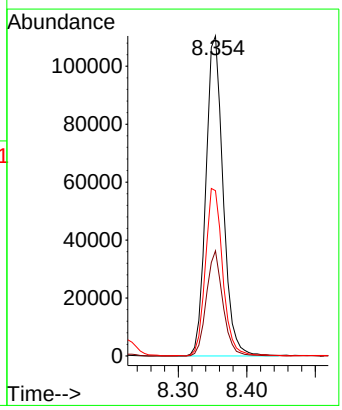
Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025

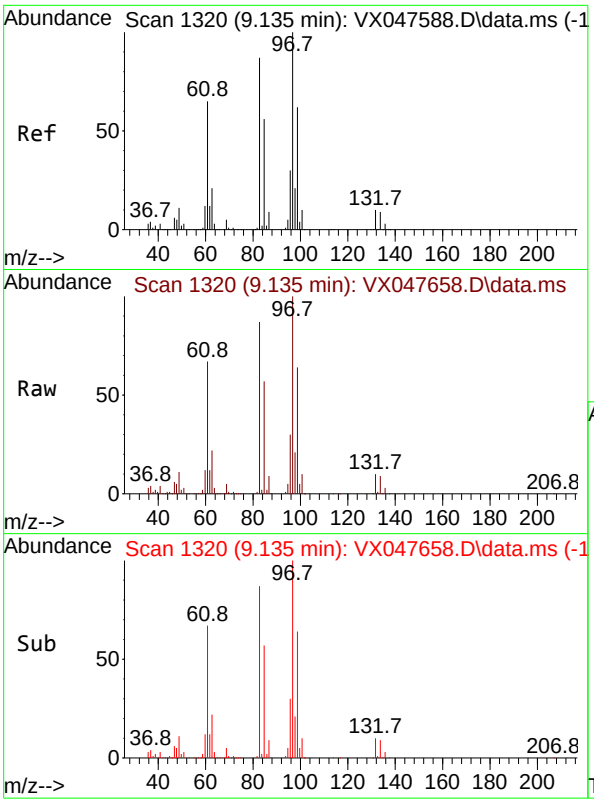


#54
cis-1,3-Dichloropropene
Concen: 51.329 ug/l
RT: 8.354 min Scan# 1192
Delta R.T. 0.000 min
Lab File: VX047658.D
Acq: 18 Sep 2025 21:16

Tgt Ion: 75 Resp: 193198

Ion	Ratio	Lower	Upper
75	100		
77	32.8	25.8	38.6
39	51.5	41.4	62.2

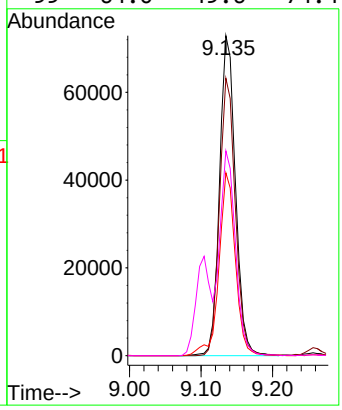




#55
1,1,2-Trichloroethane
Concen: 52.863 ug/l
RT: 9.135 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047658.D
Acq: 18 Sep 2025 21:16

Tgt Ion: 97 Resp: 11275

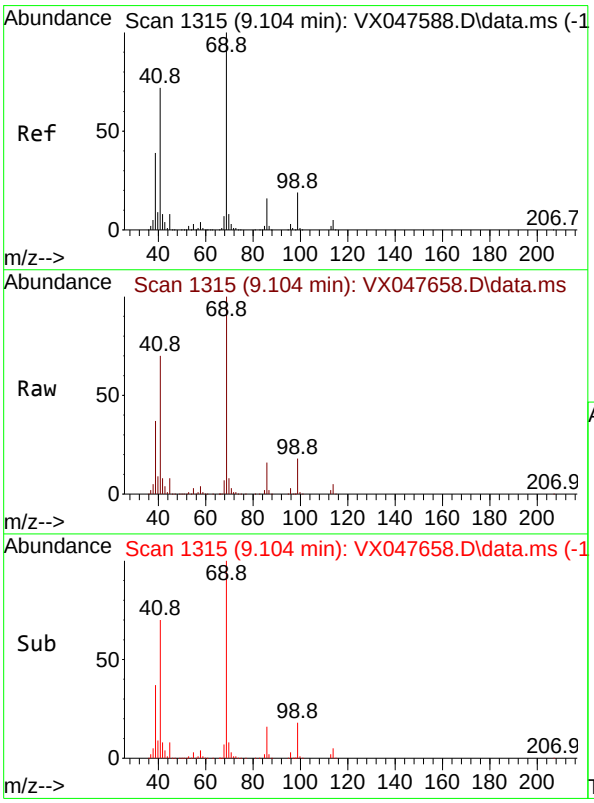
Ion	Ratio	Lower	Upper
97	100		
83	86.7	69.6	104.4
85	57.2	45.0	67.6
99	64.0	49.6	74.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

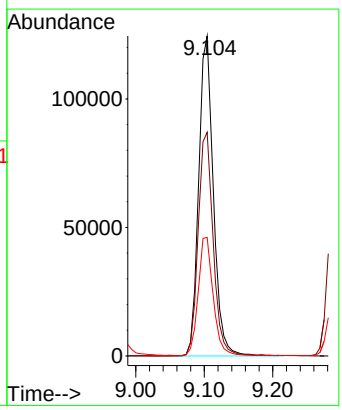
Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025

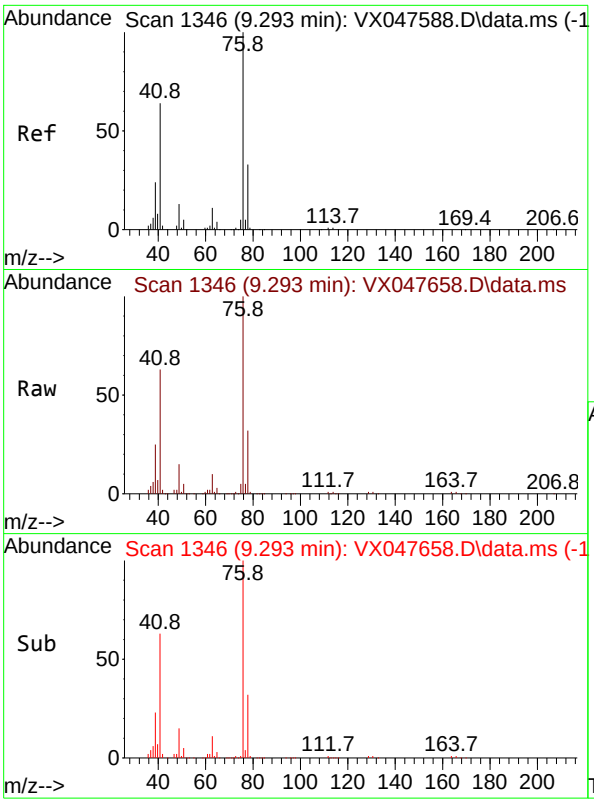


#56
Ethyl methacrylate
Concen: 55.412 ug/l
RT: 9.104 min Scan# 1315
Delta R.T. 0.000 min
Lab File: VX047658.D
Acq: 18 Sep 2025 21:16

Tgt Ion: 69 Resp: 185618

Ion	Ratio	Lower	Upper
69	100		
41	72.2	58.6	87.8
39	38.1	31.5	47.3

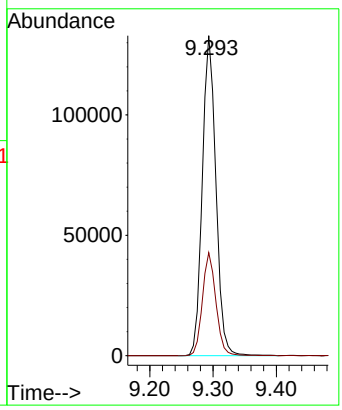




#57
1,3-Dichloropropane
Concen: 54.276 ug/l
RT: 9.293 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047658.D
Acq: 18 Sep 2025 21:16

Tgt Ion: 76 Resp: 19887

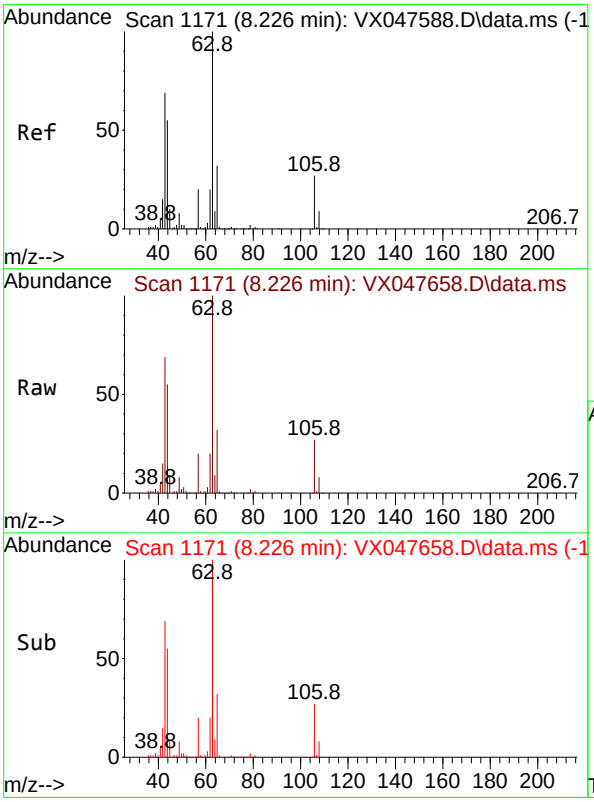
Ion	Ratio	Lower	Upper
76	100		
78	31.9	26.2	39.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

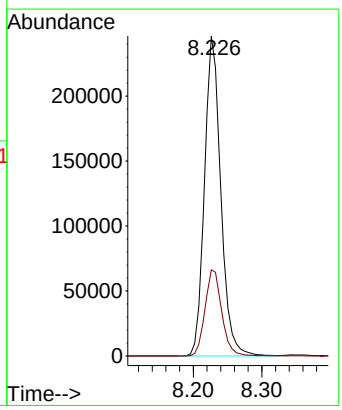
Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025

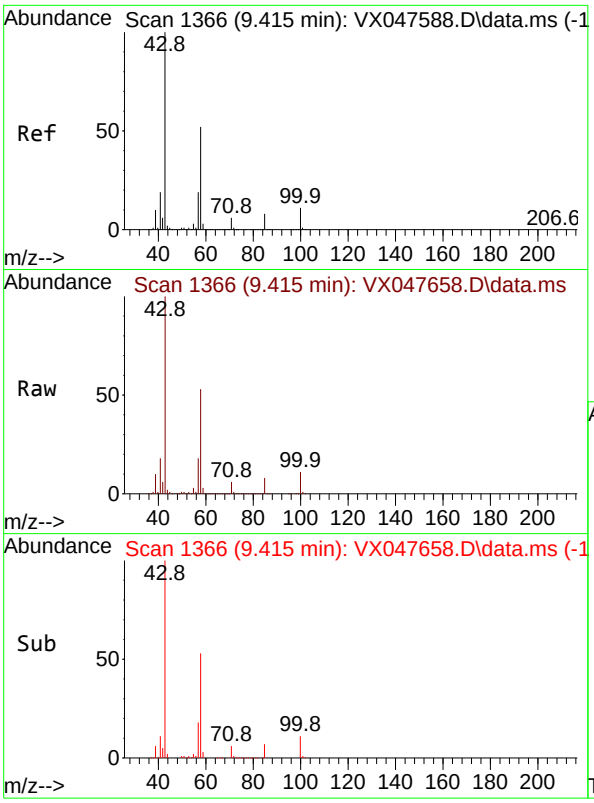


#58
2-Chloroethyl Vinyl ether
Concen: 254.746 ug/l
RT: 8.226 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VX047658.D
Acq: 18 Sep 2025 21:16

Tgt Ion: 63 Resp: 408214

Ion	Ratio	Lower	Upper
63	100		
106	27.7	21.9	32.9





#59
2-Hexanone
Concen: 275.500 ug/l
RT: 9.415 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047658.D
Acq: 18 Sep 2025 21:16

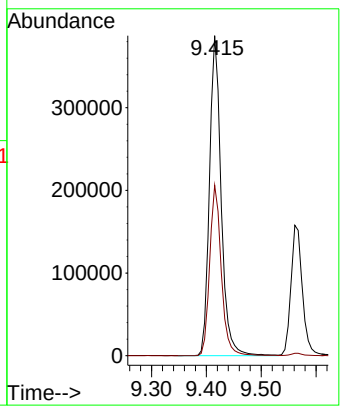
Tgt Ion: 43 Resp: 56948

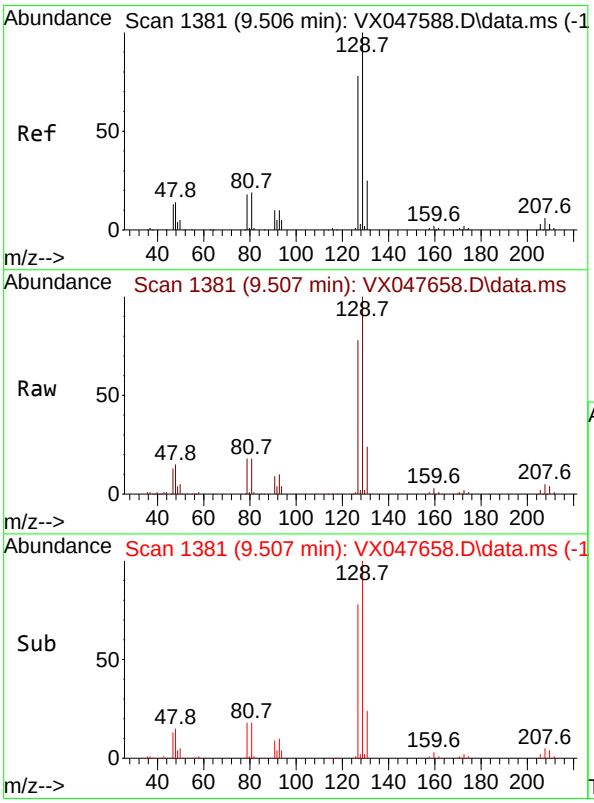
Ion	Ratio	Lower	Upper
43	100		
58	53.0	26.1	78.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025

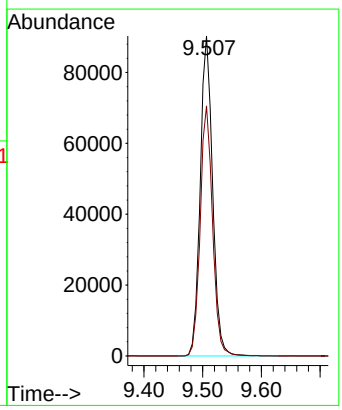


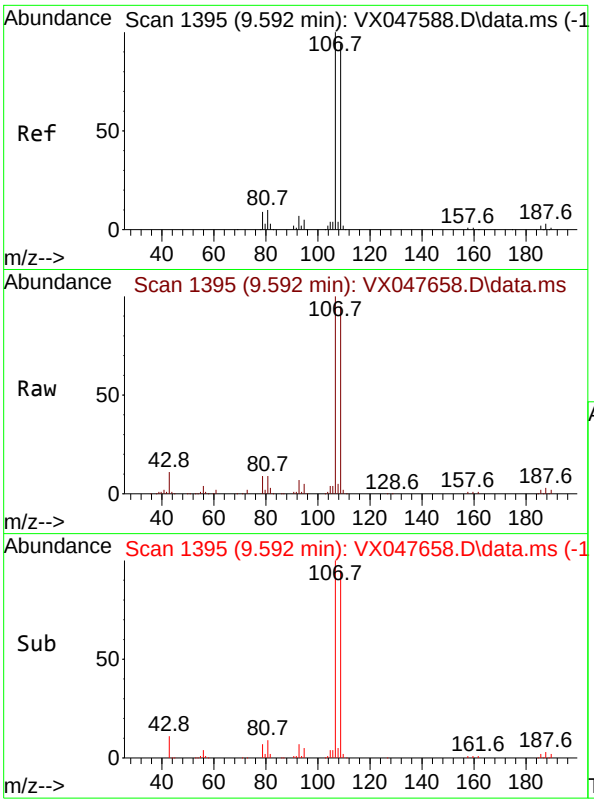


#60
Dibromochloromethane
Concen: 53.772 ug/l
RT: 9.507 min Scan# 1381
Delta R.T. 0.000 min
Lab File: VX047658.D
Acq: 18 Sep 2025 21:16

Tgt Ion:129 Resp: 132153

Ion	Ratio	Lower	Upper
129	100		
127	78.1	38.4	115.2

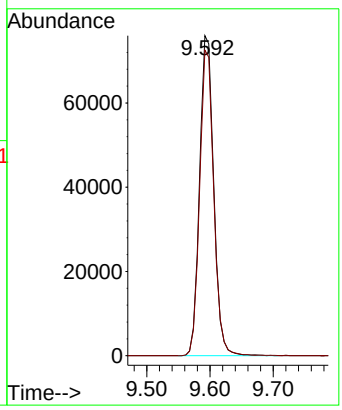




#61
1,2-Dibromoethane
Concen: 54.411 ug/l
RT: 9.592 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047658.D
Acq: 18 Sep 2025 21:16

Tgt Ion:107 Resp: 11820

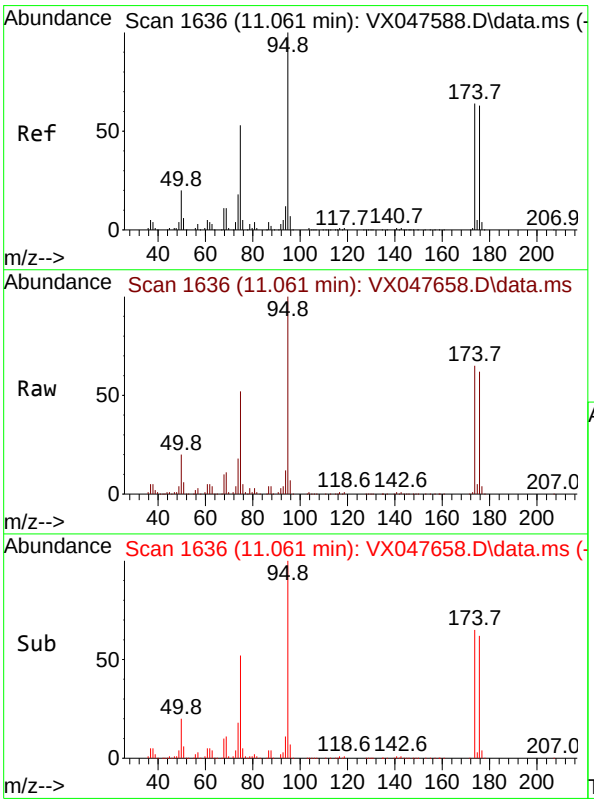
Ion	Ratio	Lower	Upper
107	100		
109	95.3	75.3	112.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

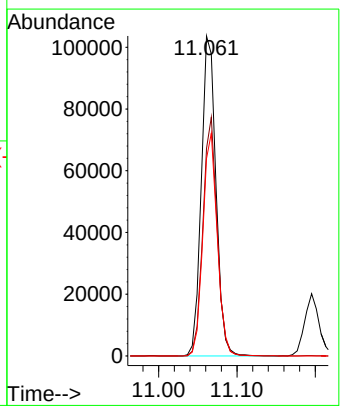
Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025

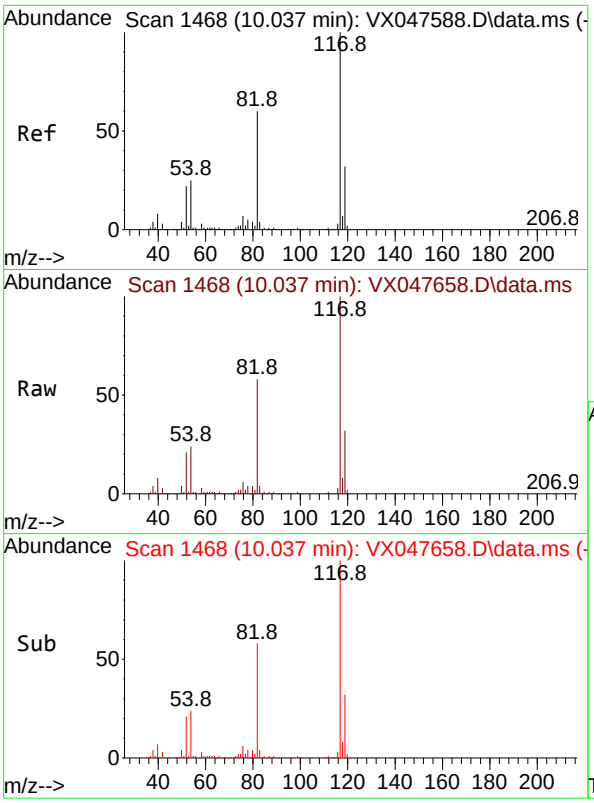


#62
4-Bromofluorobenzene
Concen: 50.604 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. 0.000 min
Lab File: VX047658.D
Acq: 18 Sep 2025 21:16

Tgt Ion: 95 Resp: 134436

Ion	Ratio	Lower	Upper
95	100		
174	72.1	0.0	141.6
176	68.3	0.0	138.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047658.D
Acq: 18 Sep 2025 21:16

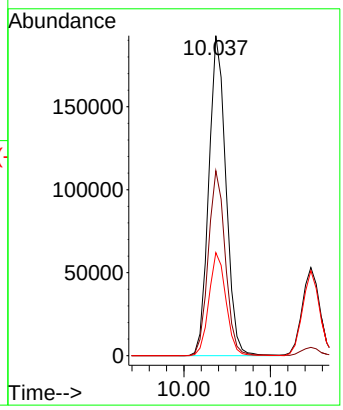
Tgt Ion:117 Resp: 26415

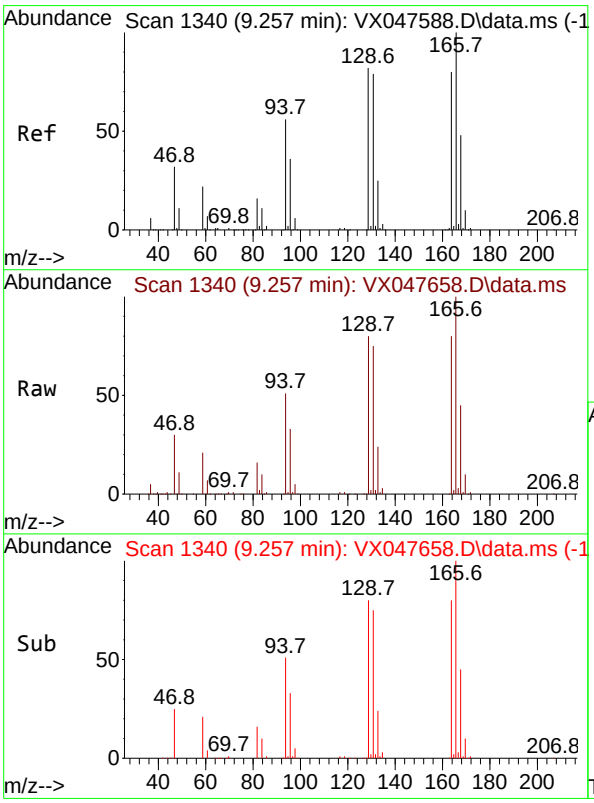
Ion	Ratio	Lower	Upper
117	100		
82	57.8	47.8	71.6
119	32.2	25.2	37.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025

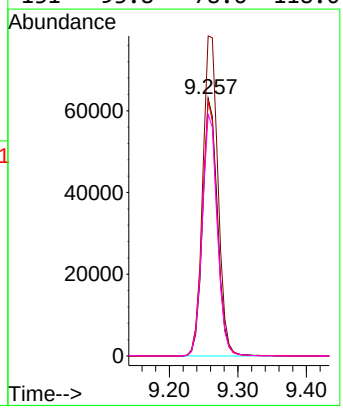


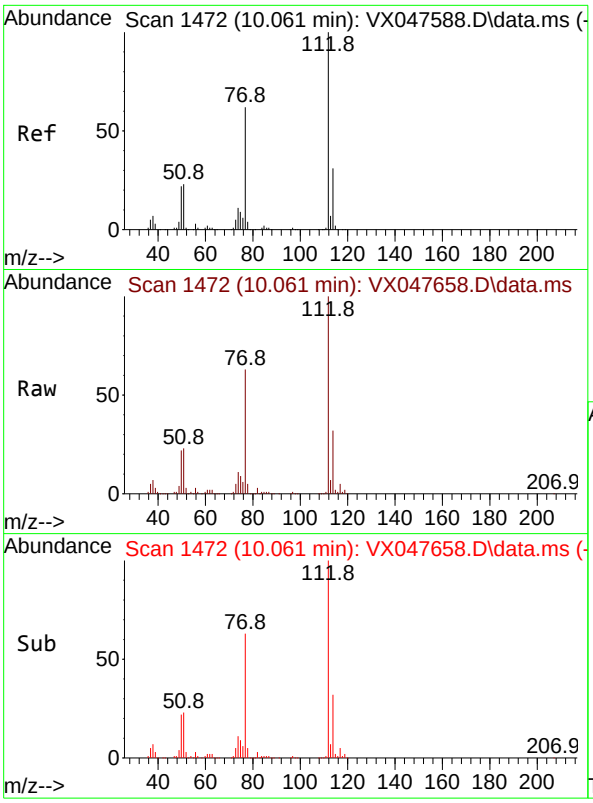


#64
Tetrachloroethene
Concen: 54.988 ug/l
RT: 9.257 min Scan# 1340
Delta R.T. 0.000 min
Lab File: VX047658.D
Acq: 18 Sep 2025 21:16

Tgt Ion:164 Resp: 94690

Ion	Ratio	Lower	Upper
164	100		
166	124.3	100.2	150.2
129	99.2	81.8	122.6
131	93.8	78.6	118.0





#65
Chlorobenzene
Concen: 53.275 ug/l
RT: 10.061 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047658.D
Acq: 18 Sep 2025 21:16

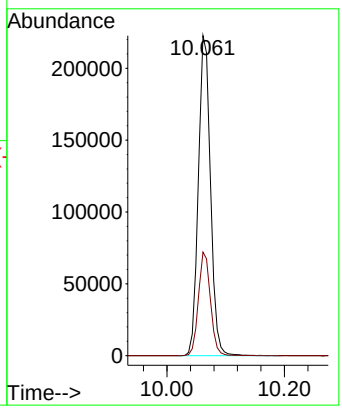
Tgt Ion:112 Resp: 31970

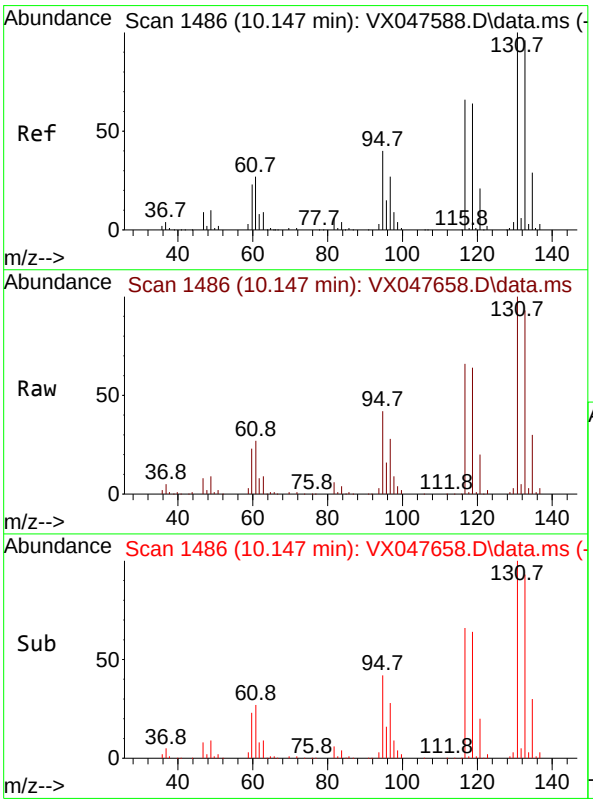
Ion	Ratio	Lower	Upper
112	100		
114	32.4	25.1	37.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025

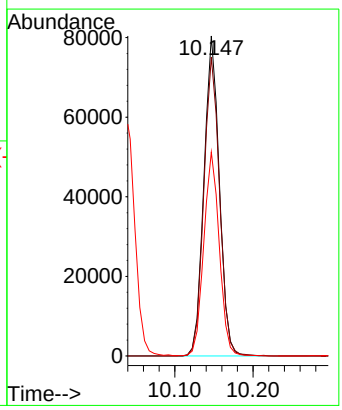


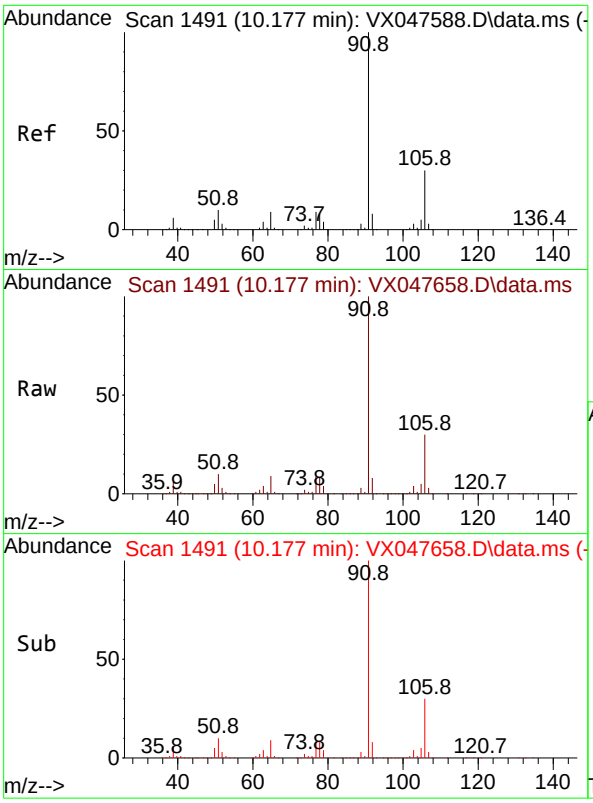


#66
1,1,1,2-Tetrachloroethane
Concen: 52.994 ug/l
RT: 10.147 min Scan# 1486
Delta R.T. 0.000 min
Lab File: VX047658.D
Acq: 18 Sep 2025 21:16

Tgt Ion:131 Resp: 109740

Ion	Ratio	Lower	Upper
131	100		
133	95.2	47.3	142.0
119	64.0	32.0	96.0

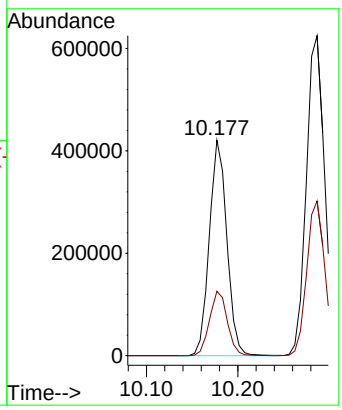




#67
Ethyl Benzene
Concen: 54.125 ug/l
RT: 10.177 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047658.D
Acq: 18 Sep 2025 21:16

Tgt Ion: 91 Resp: 56043

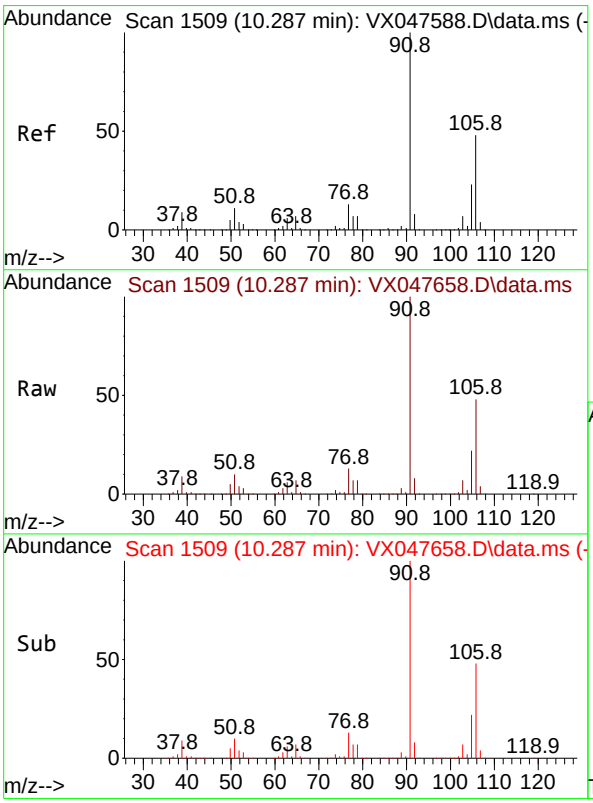
Ion	Ratio	Lower	Upper
91	100		
106	29.9	24.3	36.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

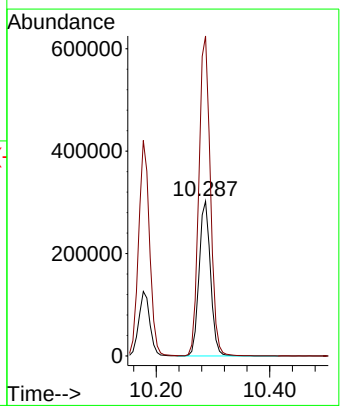
Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025

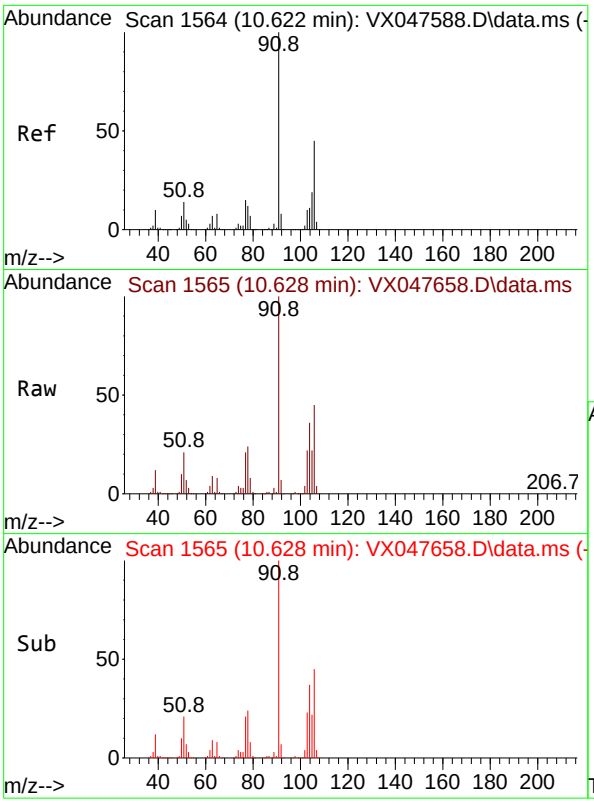


#68
m/p-Xylenes
Concen: 109.153 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. 0.000 min
Lab File: VX047658.D
Acq: 18 Sep 2025 21:16

Tgt Ion:106 Resp: 420673

Ion	Ratio	Lower	Upper
106	100		
91	209.2	167.8	251.8

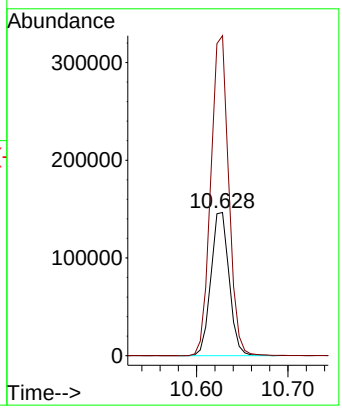




#69
o-Xylene
Concen: 54.394 ug/l
RT: 10.628 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047658.D
Acq: 18 Sep 2025 21:16

Tgt Ion:106 Resp: 20276

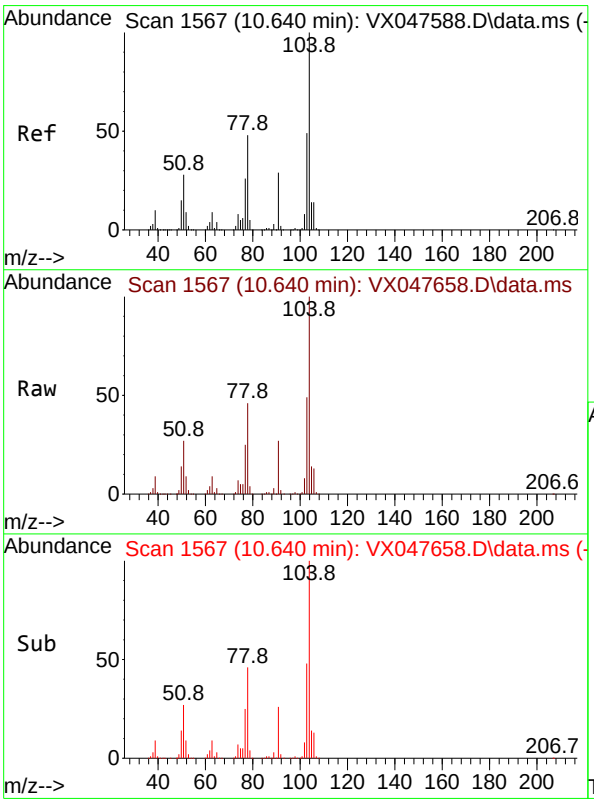
Ion	Ratio	Lower	Upper
106	100		
91	220.4	111.1	333.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

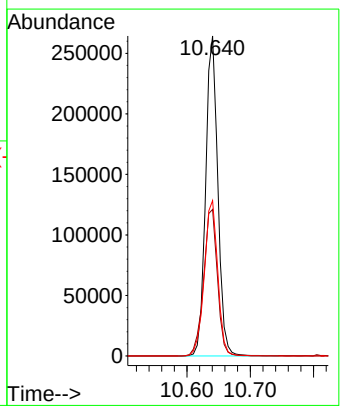
Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025

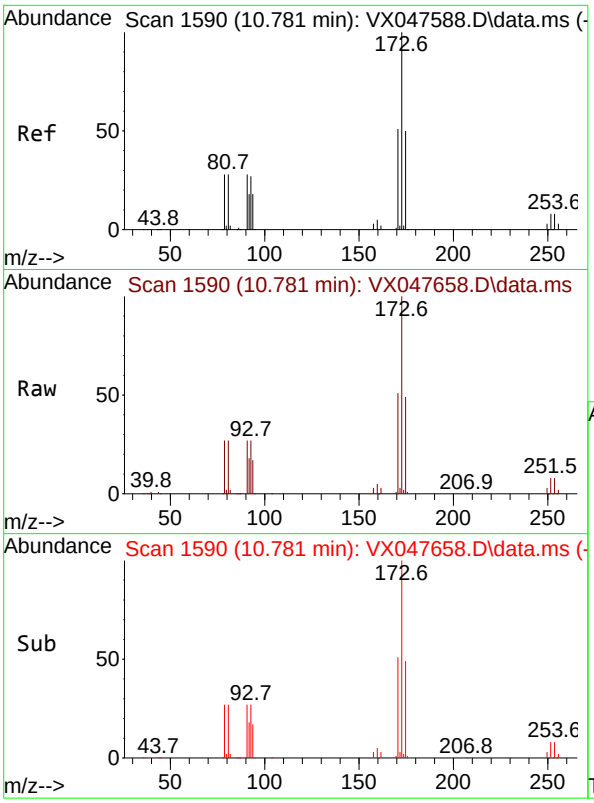


#70
Styrene
Concen: 54.330 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX047658.D
Acq: 18 Sep 2025 21:16

Tgt Ion:104 Resp: 354867

Ion	Ratio	Lower	Upper
104	100		
78	52.0	43.1	64.7
103	53.6	43.1	64.7

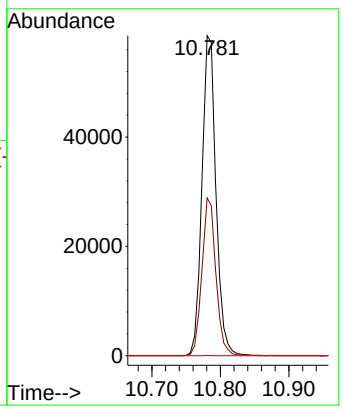




#71
Bromoform
Concen: 54.082 ug/l
RT: 10.781 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047658.D
Acq: 18 Sep 2025 21:16

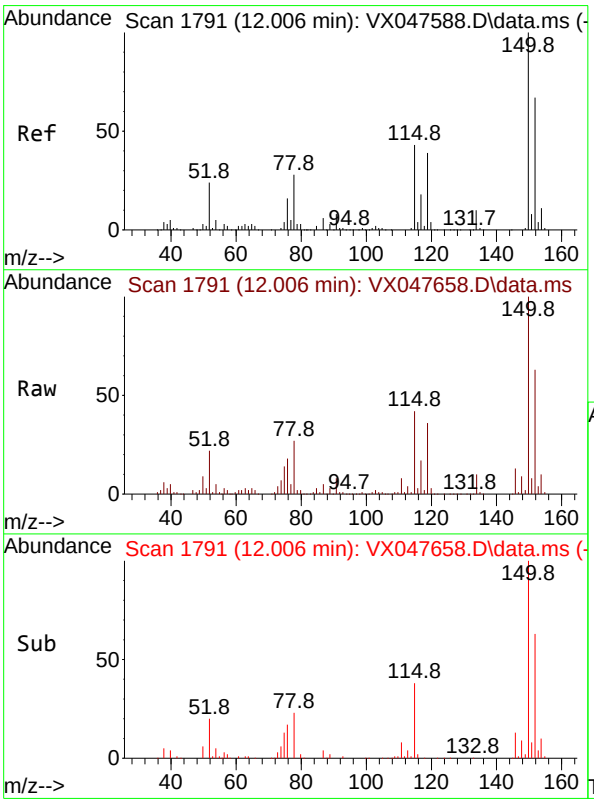
Tgt Ion:173 Resp: 8362

Ion	Ratio	Lower	Upper
173	100		
175	49.0	24.9	74.6
254	0.0	0.1	0.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

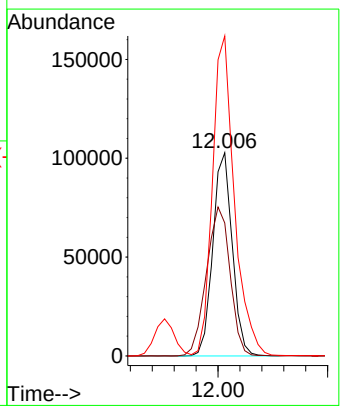
Manual Integrations APPROVED
Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025

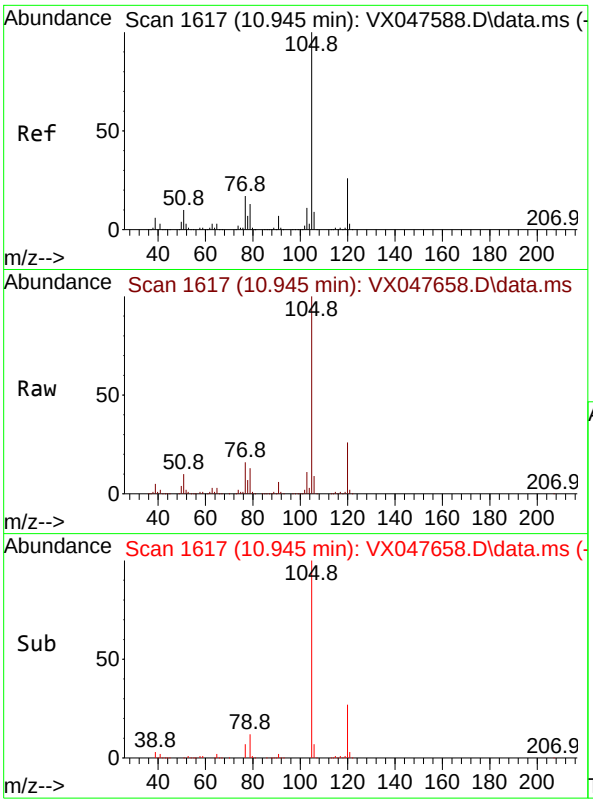


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX047658.D
Acq: 18 Sep 2025 21:16

Tgt Ion:152 Resp: 126517

Ion	Ratio	Lower	Upper
152	100		
115	89.4	44.9	134.5
150	177.9	0.0	352.0

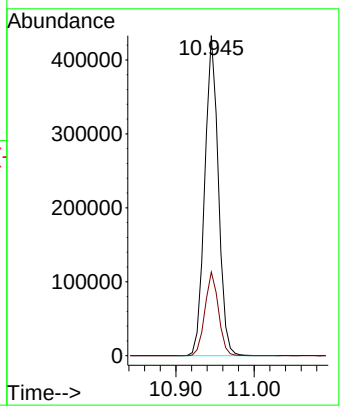




#73
Isopropylbenzene
Concen: 54.023 ug/l
RT: 10.945 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047658.D
Acq: 18 Sep 2025 21:16

Tgt Ion:105 Resp: 51962

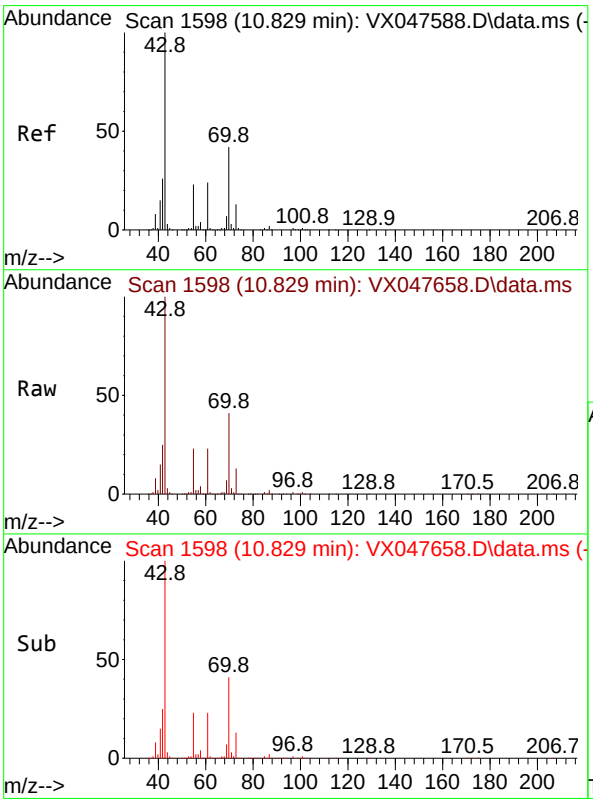
Ion	Ratio	Lower	Upper
105	100		
120	26.0	12.8	38.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

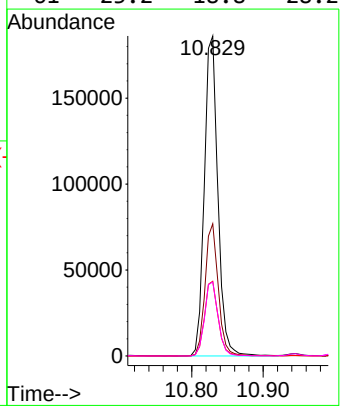
Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025

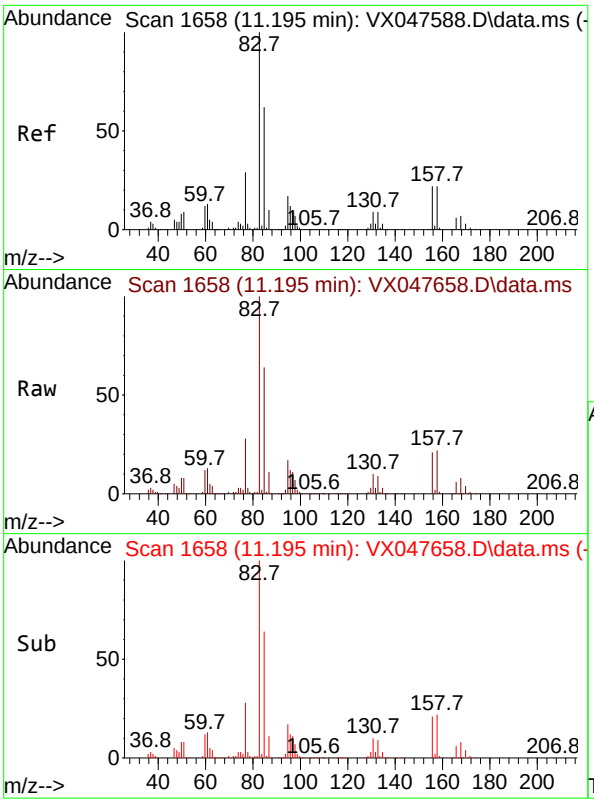


#74
N-amyl acetate
Concen: 55.780 ug/l
RT: 10.829 min Scan# 1598
Delta R.T. 0.000 min
Lab File: VX047658.D
Acq: 18 Sep 2025 21:16

Tgt Ion: 43 Resp: 244665

Ion	Ratio	Lower	Upper
43	100		
70	40.3	32.0	48.0
55	23.7	18.9	28.3
61	23.2	18.8	28.2

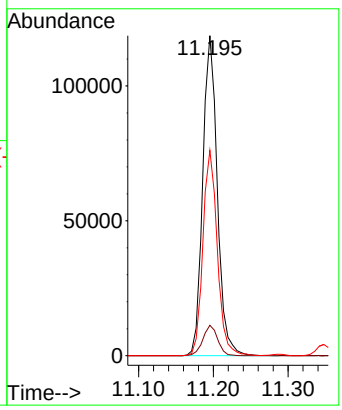




#75
1,1,2,2-Tetrachloroethane
Concen: 55.167 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047658.D
Acq: 18 Sep 2025 21:16

Tgt Ion: 83 Resp: 16054

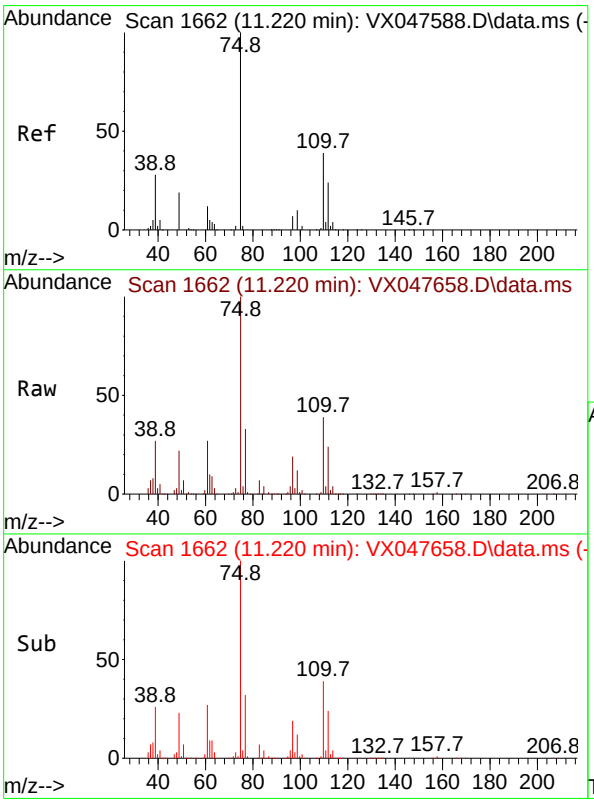
Ion	Ratio	Lower	Upper
83	100		
131	9.7	5.0	14.9
85	63.5	31.6	95.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

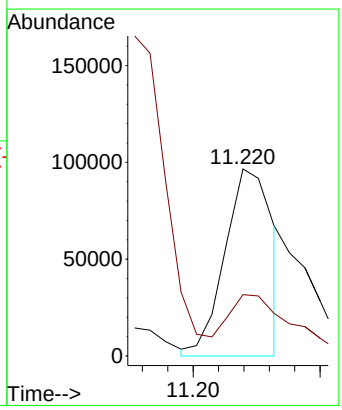
Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025

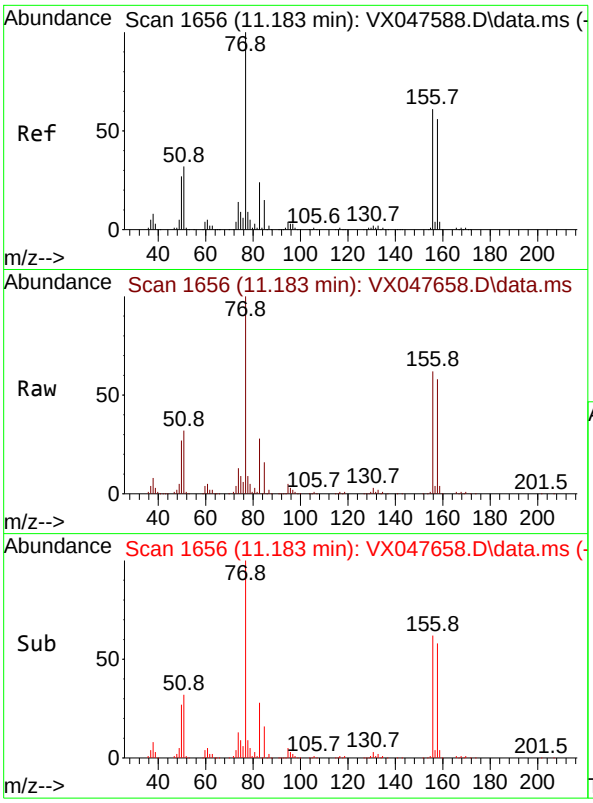


#76
1,2,3-Trichloropropane
Concen: 48.992 ug/l m
RT: 11.220 min Scan# 1662
Delta R.T. 0.000 min
Lab File: VX047658.D
Acq: 18 Sep 2025 21:16

Tgt Ion: 75 Resp: 125498

Ion	Ratio	Lower	Upper
75	100		
77	43.8	18.8	56.4

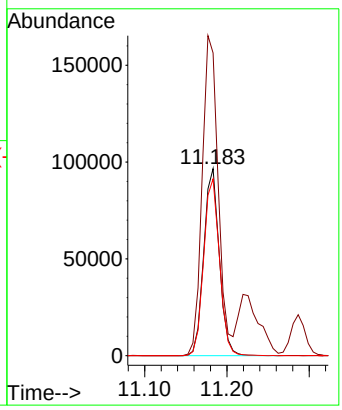




#77
Bromobenzene
Concen: 53.524 ug/l
RT: 11.183 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047658.D
Acq: 18 Sep 2025 21:16

Tgt Ion:156 Resp: 12679

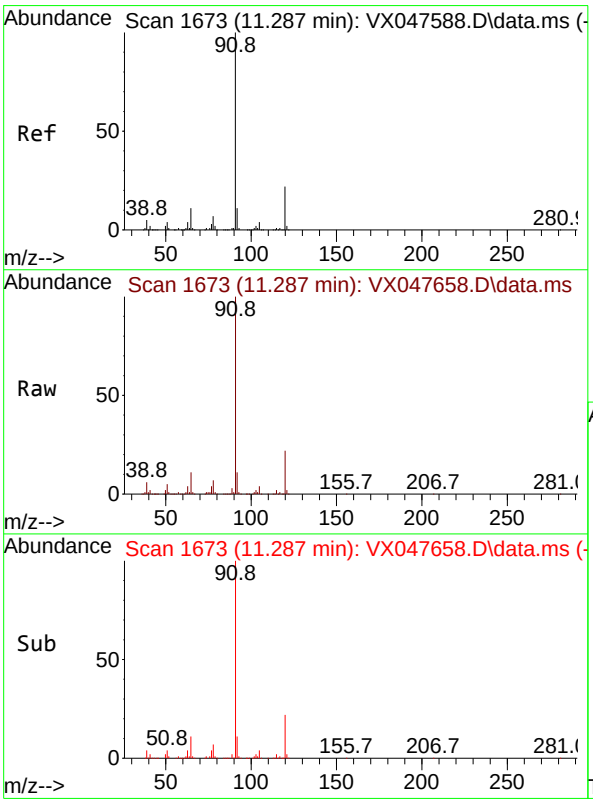
Ion	Ratio	Lower	Upper
156	100		
77	176.9	89.7	269.1
158	96.2	47.9	143.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

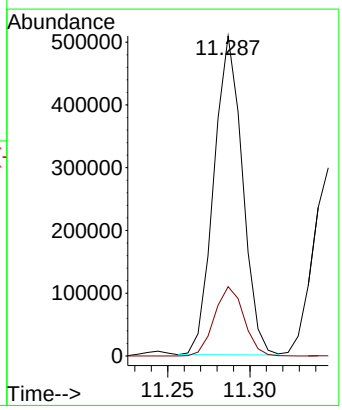
Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025

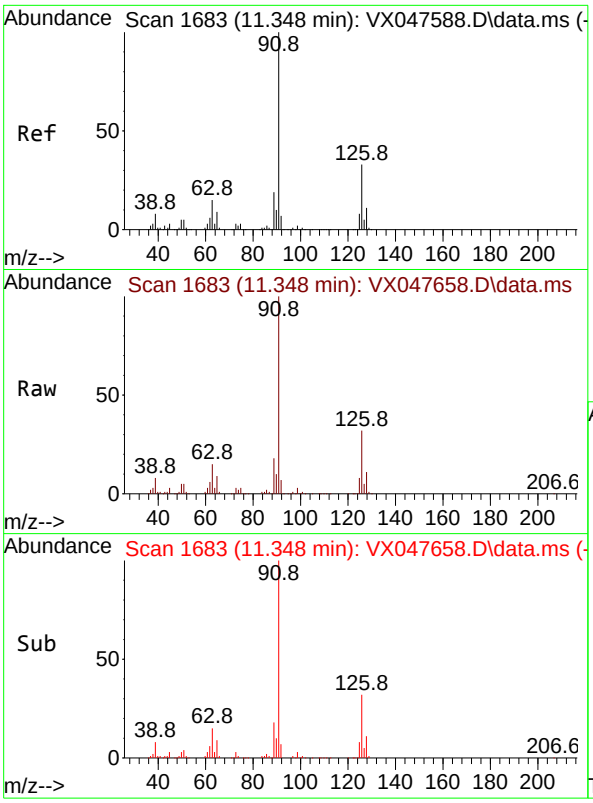


#78
n-propylbenzene
Concen: 54.021 ug/l
RT: 11.287 min Scan# 1673
Delta R.T. 0.000 min
Lab File: VX047658.D
Acq: 18 Sep 2025 21:16

Tgt Ion: 91 Resp: 614237

Ion	Ratio	Lower	Upper
91	100		
120	22.4	11.1	33.1





#79
2-Chlorotoluene
Concen: 53.781 ug/l
RT: 11.348 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047658.D
Acq: 18 Sep 2025 21:16

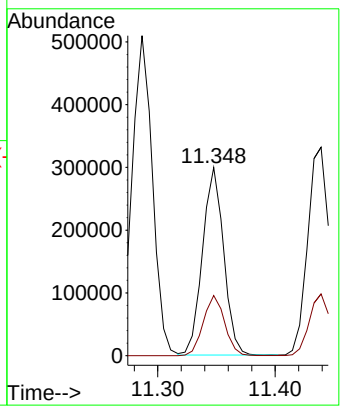
Tgt Ion: 91 Resp: 37453

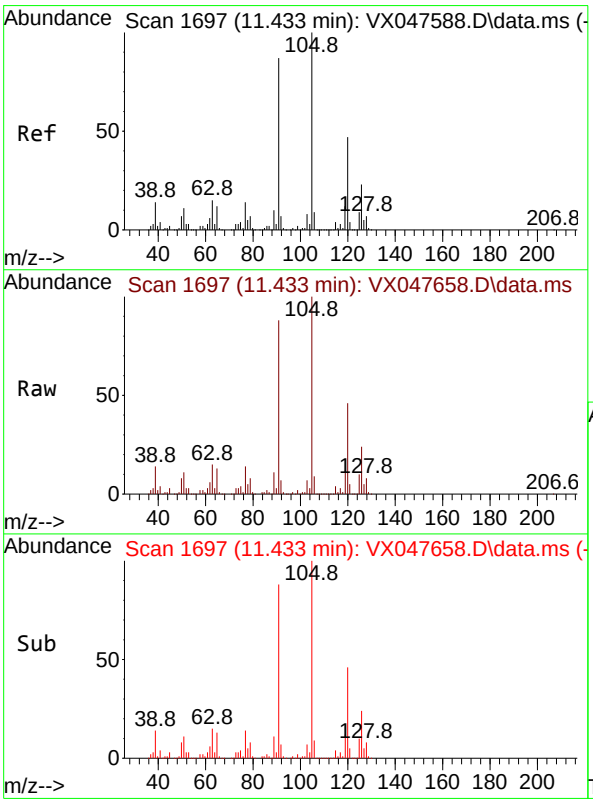
Ion	Ratio	Lower	Upper
91	100		
126	32.5	16.1	48.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025

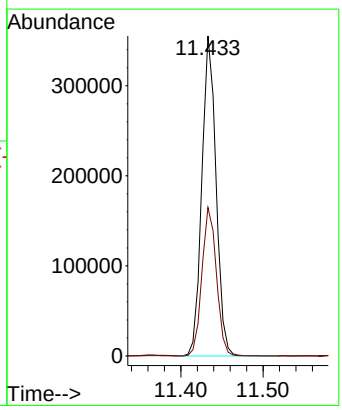


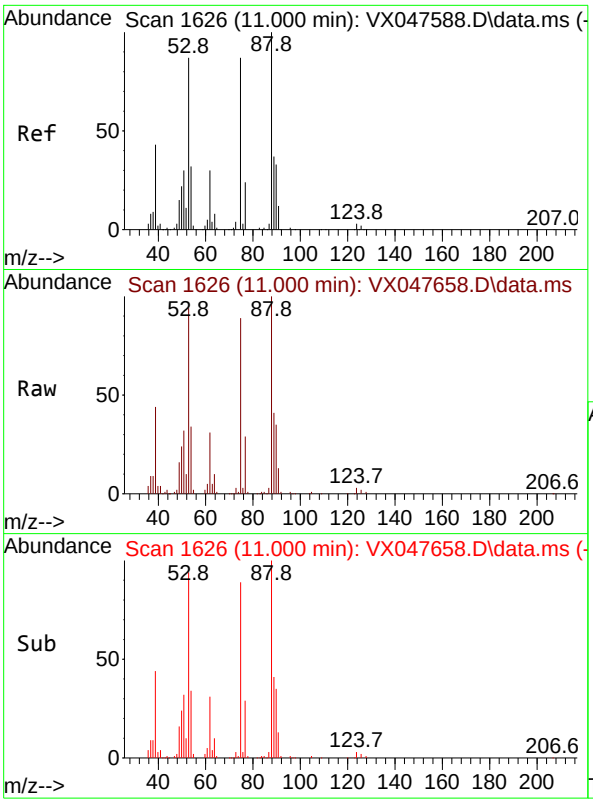


#80
1,3,5-Trimethylbenzene
Concen: 53.798 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. 0.000 min
Lab File: VX047658.D
Acq: 18 Sep 2025 21:16

Tgt Ion:105 Resp: 425139

Ion	Ratio	Lower	Upper
105	100		
120	47.4	23.6	70.8





#81
trans-1,4-Dichloro-2-butene
Concen: 48.415 ug/l
RT: 11.000 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047658.D
Acq: 18 Sep 2025 21:16

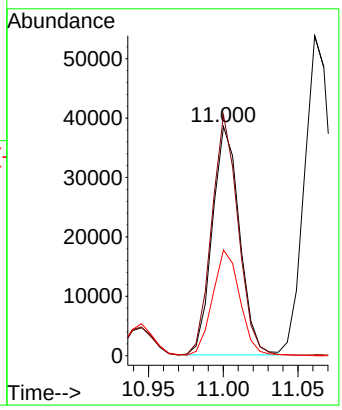
Tgt Ion: 75 Resp: 4863

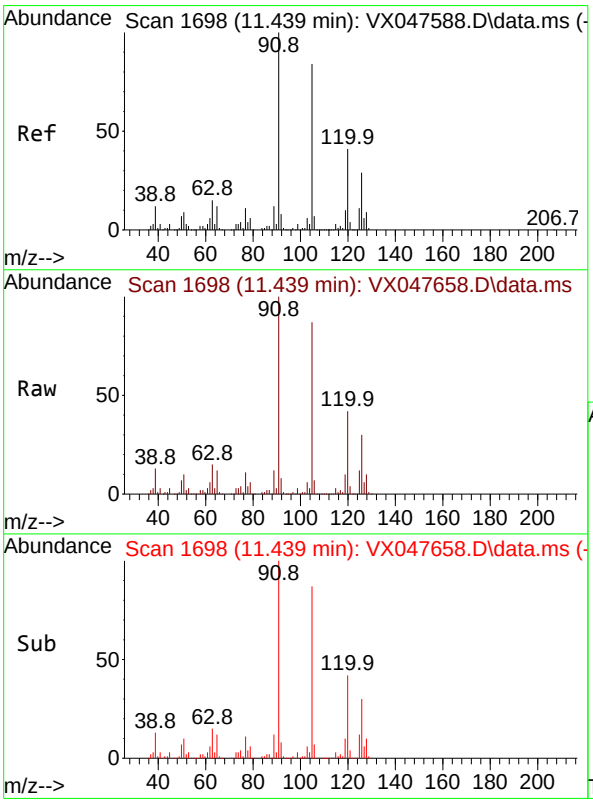
Ion	Ratio	Lower	Upper
75	100		
53	102.1	83.4	125.2
89	46.7	36.3	54.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025

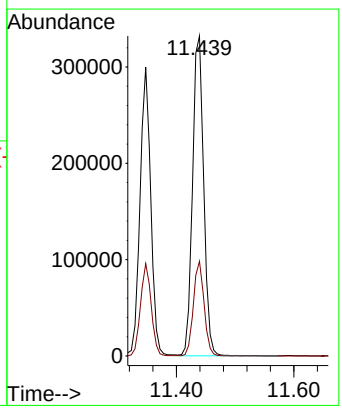


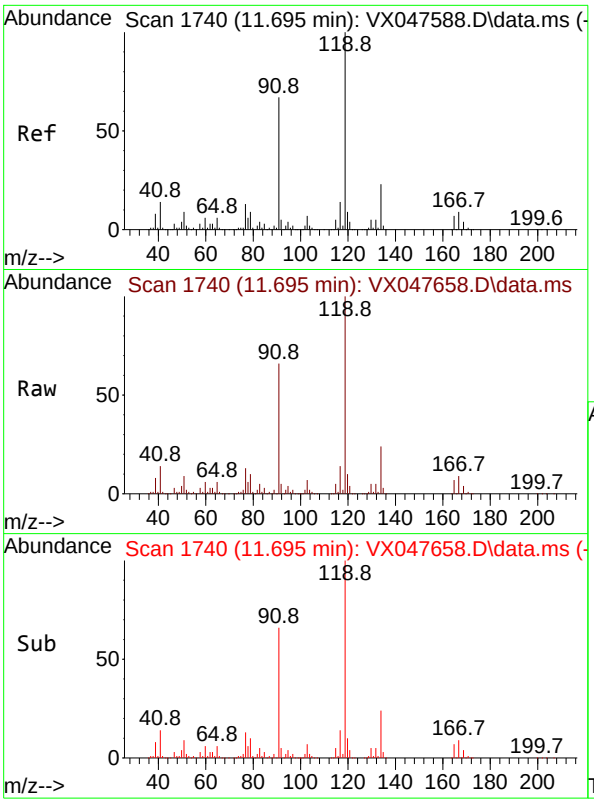


#82
4-Chlorotoluene
Concen: 53.056 ug/l
RT: 11.439 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VX047658.D
Acq: 18 Sep 2025 21:16

Tgt Ion: 91 Resp: 436383

Ion	Ratio	Lower	Upper
91	100		
126	28.5	14.2	42.6

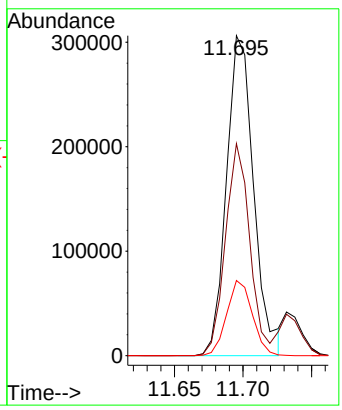




#83
tert-Butylbenzene
Concen: 52.265 ug/l
RT: 11.695 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047658.D
Acq: 18 Sep 2025 21:16

Tgt Ion:119 Resp: 42280

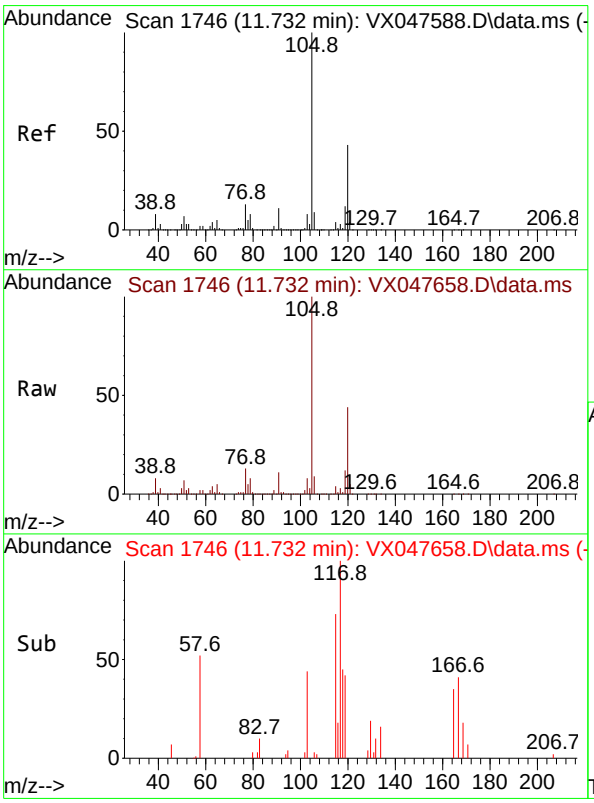
Ion	Ratio	Lower	Upper
119	100		
91	59.5	29.6	88.8
134	22.2	11.0	33.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

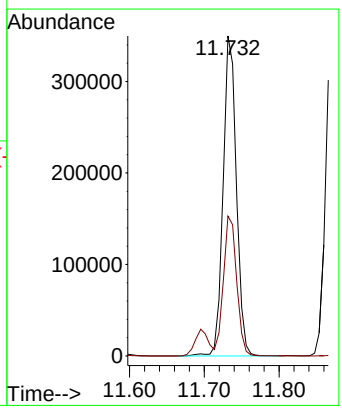
Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025

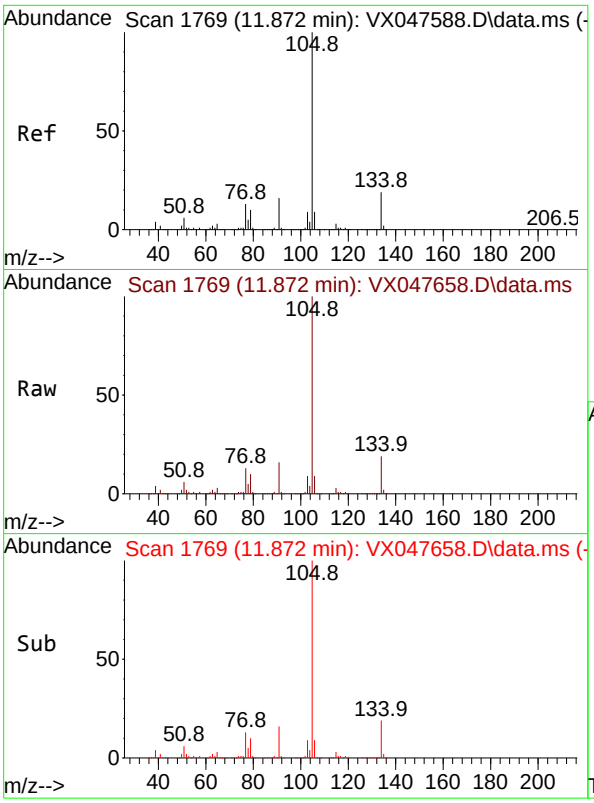


#84
1,2,4-Trimethylbenzene
Concen: 53.907 ug/l
RT: 11.732 min Scan# 1746
Delta R.T. 0.000 min
Lab File: VX047658.D
Acq: 18 Sep 2025 21:16

Tgt Ion:105 Resp: 431900

Ion	Ratio	Lower	Upper
105	100		
120	43.5	22.1	66.1

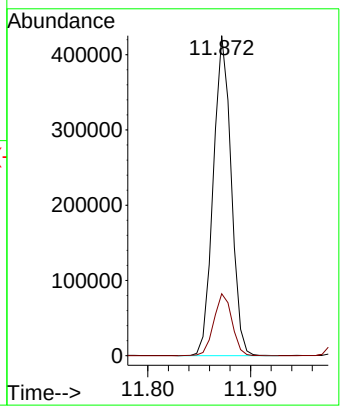




#85
sec-Butylbenzene
Concen: 53.468 ug/l
RT: 11.872 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047658.D
Acq: 18 Sep 2025 21:16

Tgt Ion:105 Resp: 51377

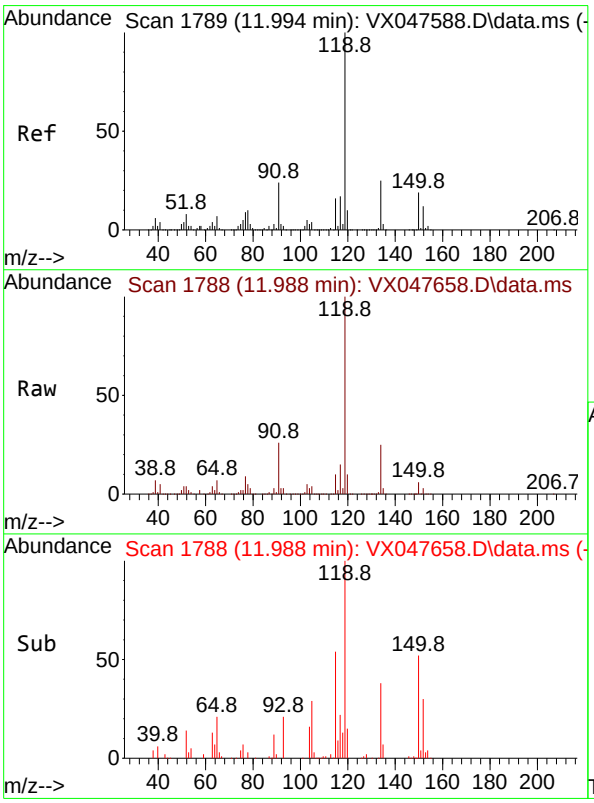
Ion	Ratio	Lower	Upper
105	100		
134	19.7	9.8	29.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

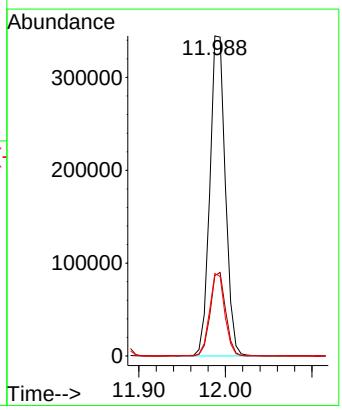
Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025

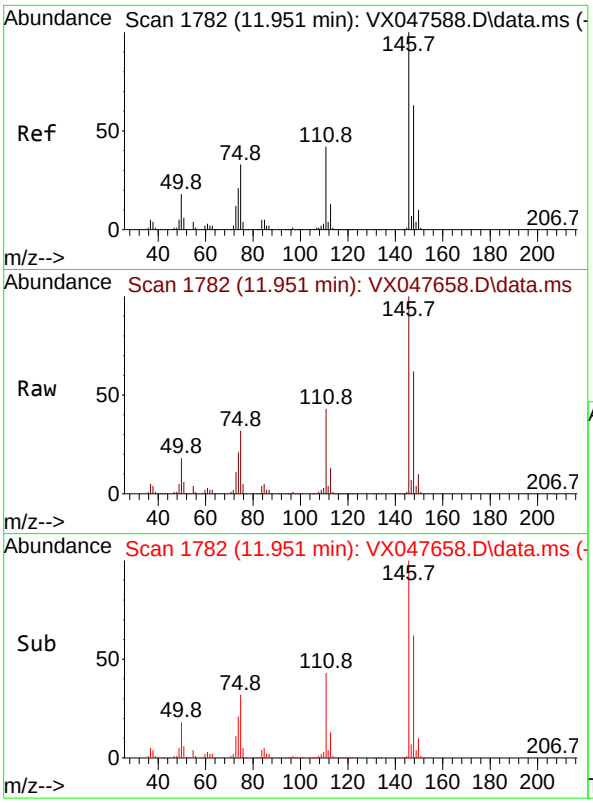


#86
p-Isopropyltoluene
Concen: 52.682 ug/l
RT: 11.988 min Scan# 1788
Delta R.T. -0.006 min
Lab File: VX047658.D
Acq: 18 Sep 2025 21:16

Tgt Ion:119 Resp: 428563

Ion	Ratio	Lower	Upper
119	100		
134	25.9	12.6	37.8
91	25.4	12.6	37.6

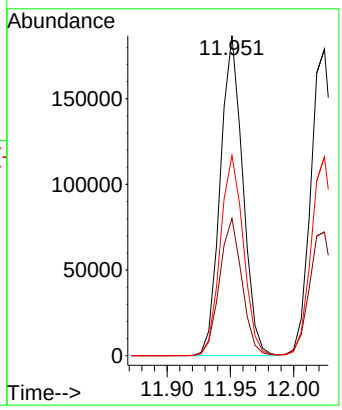




#87
1,3-Dichlorobenzene
Concen: 52.441 ug/l
RT: 11.951 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047658.D
Acq: 18 Sep 2025 21:16

Tgt Ion:146 Resp: 23075

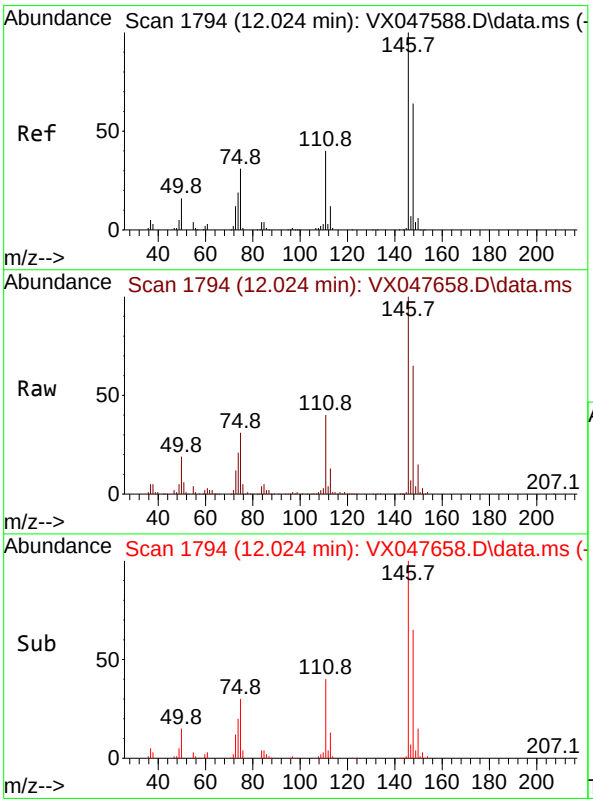
Ion	Ratio	Lower	Upper
146	100		
111	42.9	21.5	64.5
148	64.1	32.0	96.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

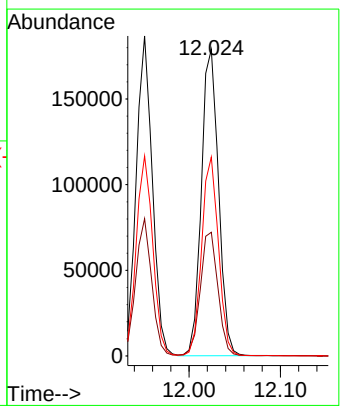
Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025

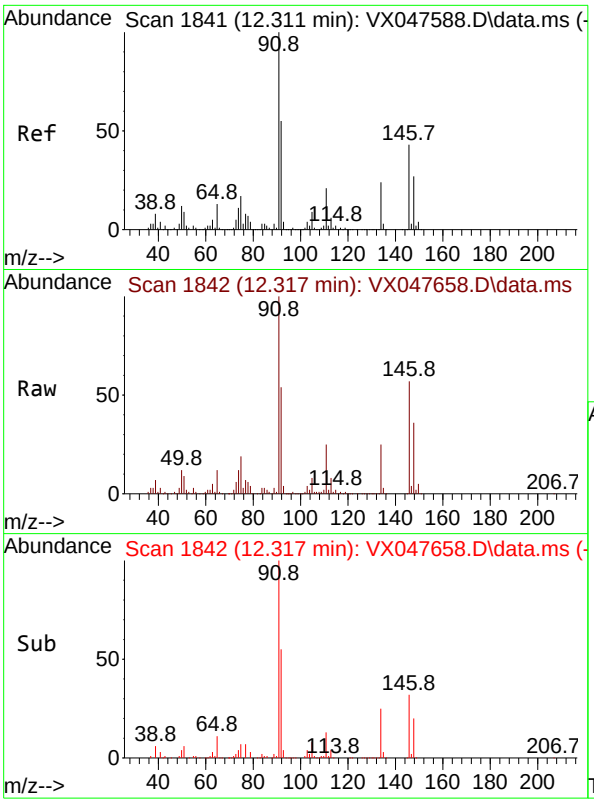


#88
1,4-Dichlorobenzene
Concen: 51.751 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX047658.D
Acq: 18 Sep 2025 21:16

Tgt Ion:146 Resp: 233716

Ion	Ratio	Lower	Upper
146	100		
111	41.5	20.8	62.4
148	64.0	31.7	95.1





#89
n-Butylbenzene
Concen: 52.828 ug/l
RT: 12.317 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047658.D
Acq: 18 Sep 2025 21:16

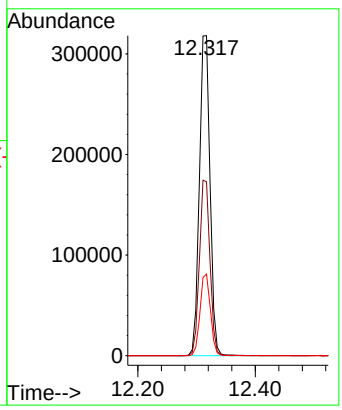
Tgt Ion: 91 Resp: 39764

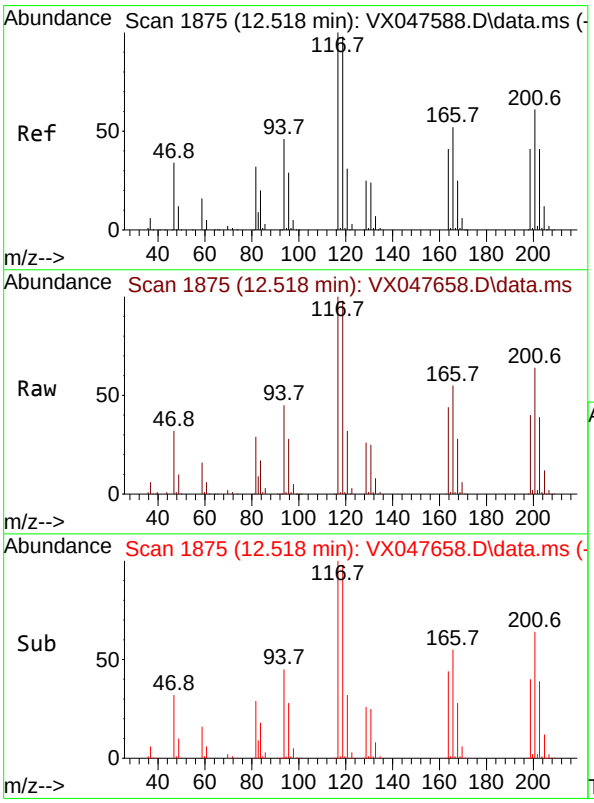
Ion	Ratio	Lower	Upper
91	100		
92	54.5	27.6	82.7
134	24.9	12.6	37.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025

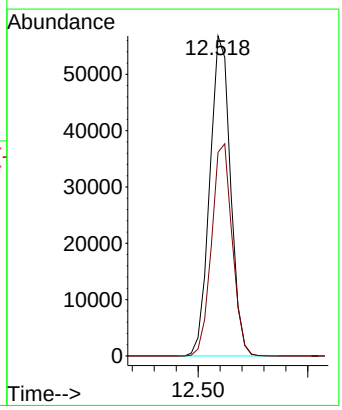


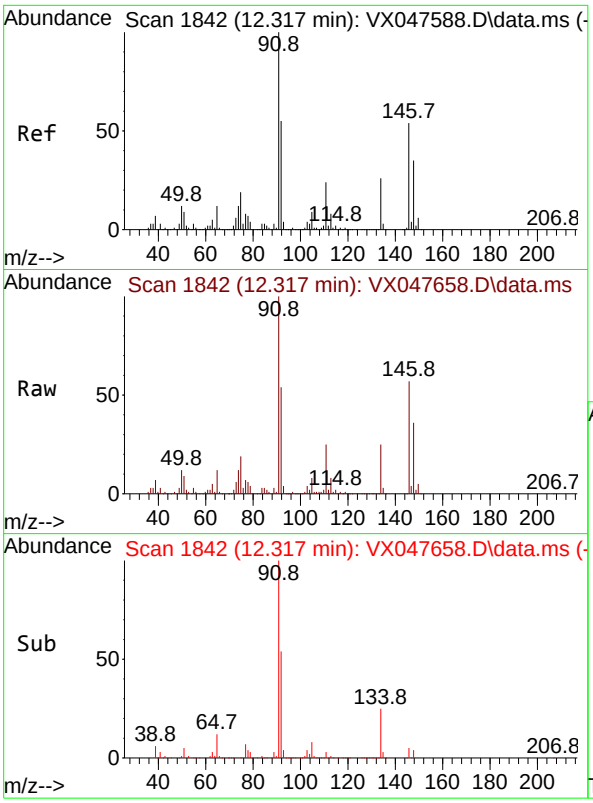


#90
Hexachloroethane
Concen: 52.063 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. 0.000 min
Lab File: VX047658.D
Acq: 18 Sep 2025 21:16

Tgt Ion:117 Resp: 74358

Ion	Ratio	Lower	Upper
117	100		
201	66.3	34.2	102.5

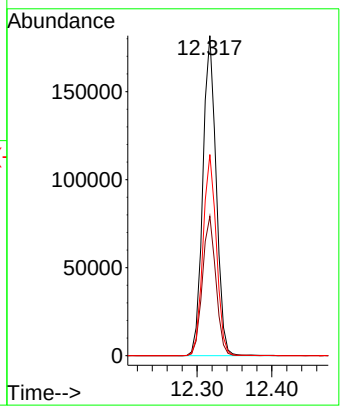




#91
1,2-Dichlorobenzene
Concen: 53.721 ug/l
RT: 12.317 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047658.D
Acq: 18 Sep 2025 21:16

Tgt Ion:146 Resp: 22520

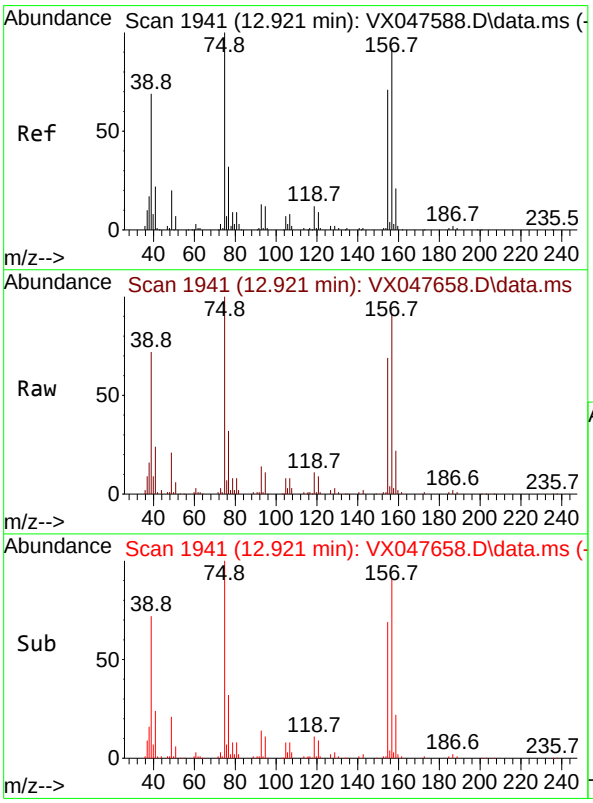
Ion	Ratio	Lower	Upper
146	100		
111	43.8	22.2	66.6
148	63.2	31.8	95.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

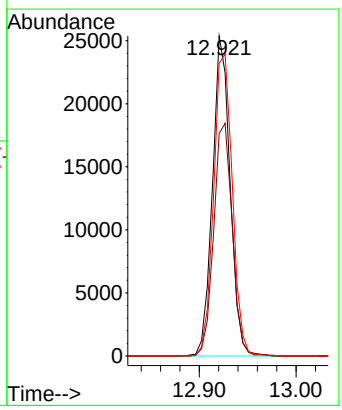
Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025

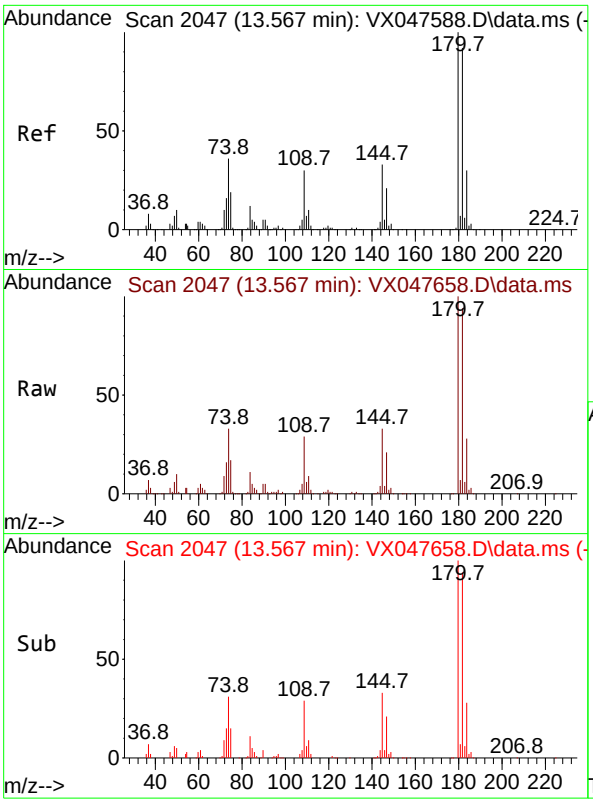


#92
1,2-Dibromo-3-Chloropropane
Concen: 54.344 ug/l
RT: 12.921 min Scan# 1941
Delta R.T. 0.000 min
Lab File: VX047658.D
Acq: 18 Sep 2025 21:16

Tgt Ion: 75 Resp: 32019

Ion	Ratio	Lower	Upper
75	100		
155	76.3	37.7	113.1
157	100.3	49.8	149.4

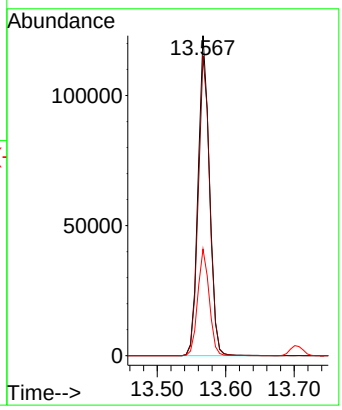




#93
1,2,4-Trichlorobenzene
Concen: 52.038 ug/l
RT: 13.567 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX047658.D
Acq: 18 Sep 2025 21:16

Tgt Ion:180 Resp: 14177

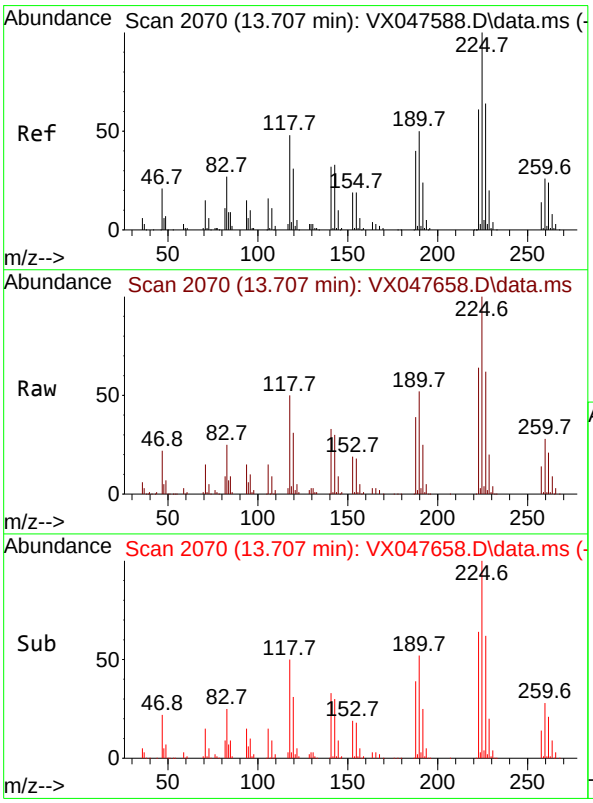
Ion	Ratio	Lower	Upper
180	100		
182	94.7	46.6	139.8
145	33.5	16.4	49.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

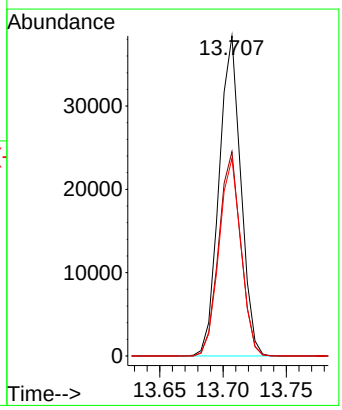
Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025

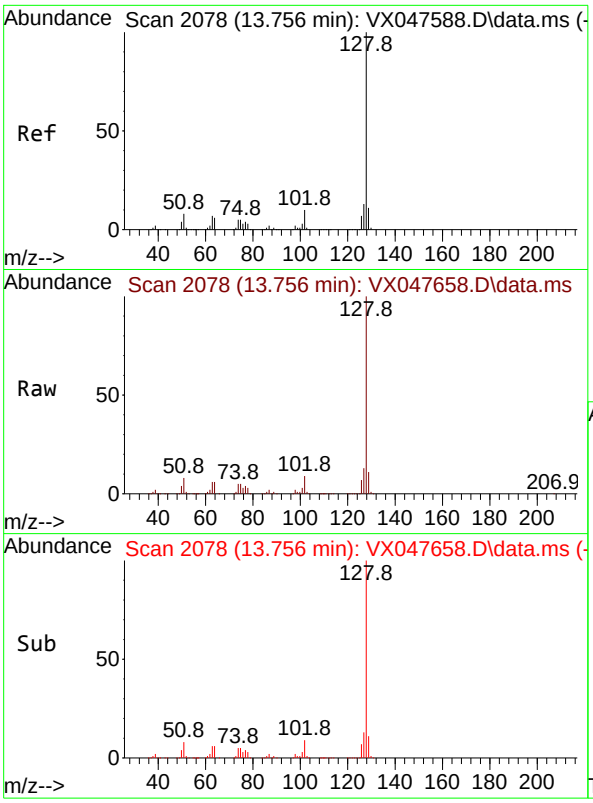


#94
Hexachlorobutadiene
Concen: 49.486 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. 0.000 min
Lab File: VX047658.D
Acq: 18 Sep 2025 21:16

Tgt Ion:225 Resp: 45796

Ion	Ratio	Lower	Upper
225	100		
223	64.5	31.7	95.1
227	62.6	32.0	96.0

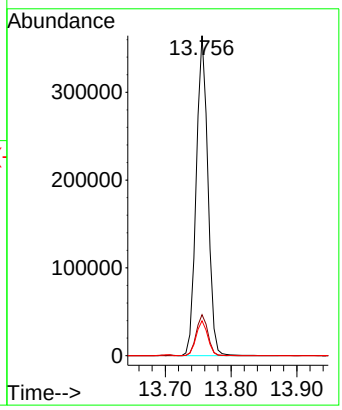




#95
Naphthalene
Concen: 53.776 ug/l
RT: 13.756 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX047658.D
Acq: 18 Sep 2025 21:16

Tgt Ion:128 Resp: 44614

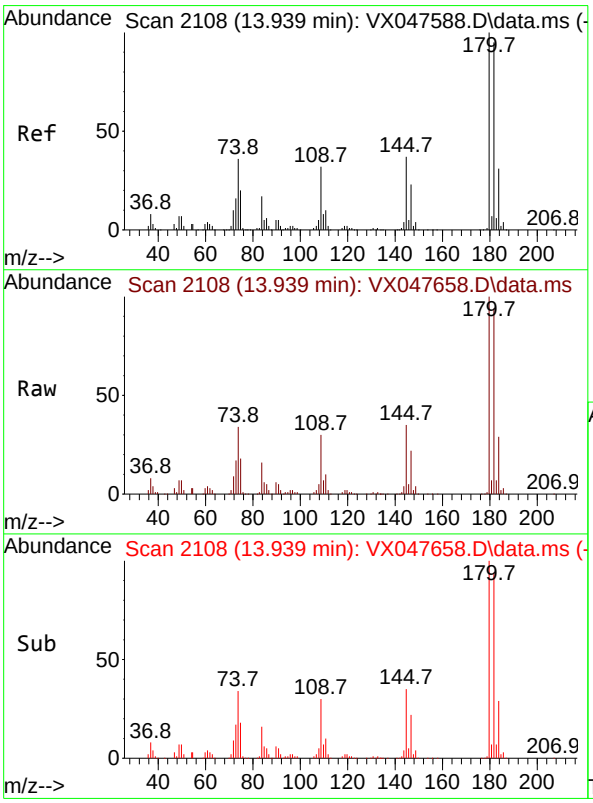
Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.2
129	10.9	8.8	13.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

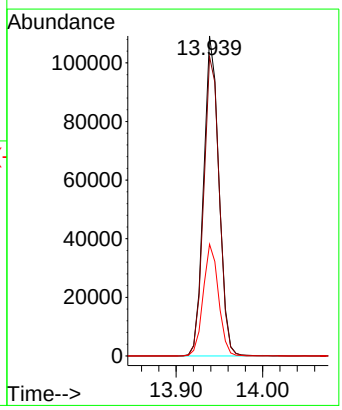
Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025



#96
1,2,3-Trichlorobenzene
Concen: 52.735 ug/l
RT: 13.939 min Scan# 2108
Delta R.T. 0.000 min
Lab File: VX047658.D
Acq: 18 Sep 2025 21:16

Tgt Ion:180 Resp: 133651

Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.6	142.8
145	34.9	17.9	53.7



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091825\
Data File : VX047658.D
Acq On : 18 Sep 2025 21:16
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Sep 19 01:38:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	97	0.00
2	T	Dichlorodifluoromethane	0.518	0.695	-34.2#	134	0.00
3	P	Chloromethane	0.680	0.835	-22.8	122	0.00
4	C	Vinyl Chloride	0.666	0.825	-23.9#	121	0.00
5	T	Bromomethane	0.422	0.505	-19.7	115	0.00
6	T	Chloroethane	0.445	0.509	-14.4	111	0.00
7	T	Trichlorofluoromethane	0.989	1.148	-16.1	112	0.00
8	T	Diethyl Ether	0.405	0.446	-10.1	106	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.578	0.650	-12.5	108	0.00
10	T	Methyl Iodide	0.902	0.982	-8.9	104	0.00
11	T	Tert butyl alcohol	0.089	0.088	1.1	95	0.00
12	CM	1,1-Dichloroethene	0.594	0.683	-15.0#	110	0.00
13	T	Acrolein	0.082	0.109	-32.9#	129	0.00
14	T	Allyl chloride	1.226	1.292	-5.4	103	0.00
15	T	Acrylonitrile	0.328	0.386	-17.7	108	0.00
16	T	Acetone	0.346	0.304	12.1	93	0.00
17	T	Carbon Disulfide	1.626	1.949	-19.9	121	0.00
18	T	Methyl Acetate	0.770	0.845	-9.7	93	0.00
19	T	Methyl tert-butyl Ether	2.169	2.332	-7.5	101	0.00
20	T	Methylene Chloride	0.732	0.803	-9.7	107	0.00
21	T	trans-1,2-Dichloroethene	0.640	0.722	-12.8	108	0.00
22	T	Diisopropyl ether	2.376	2.590	-9.0	101	0.00
23	T	Vinyl Acetate	1.901	2.154	-13.3	105	0.00
24	P	1,1-Dichloroethane	1.263	1.391	-10.1	104	0.00
25	T	2-Butanone	0.432	0.457	-5.8	101	0.00
26	T	2,2-Dichloropropane	1.050	0.899	14.4	82	0.00
27	T	cis-1,2-Dichloroethene	0.783	0.869	-11.0	104	0.00
28	T	Bromochloromethane	0.551	0.589	-6.9	99	0.00
29	T	Tetrahydrofuran	0.260	0.291	-11.9	102	0.00
30	C	Chloroform	1.276	1.385	-8.5#	101	0.00
31	T	Cyclohexane	1.052	1.161	-10.4	109	0.00
32	T	1,1,1-Trichloroethane	1.082	1.168	-7.9	100	0.00
33	S	1,2-Dichloroethane-d4	0.796	0.811	-1.9	102	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	98	0.00
35	S	Dibromofluoromethane	0.335	0.343	-2.4	102	0.00
36	T	1,1-Dichloropropene	0.490	0.514	-4.9	104	0.00
37	T	Ethyl Acetate	0.525	0.577	-9.9	106	0.00
38	T	Carbon Tetrachloride	0.532	0.555	-4.3	101	0.00
39	T	Methylcyclohexane	0.556	0.608	-9.4	106	0.00
40	TM	Benzene	1.488	1.626	-9.3	105	0.00
41	T	Methacrylonitrile	0.271	0.302	-11.4	104	0.00
42	TM	1,2-Dichloroethane	0.566	0.595	-5.1	100	0.00
43	T	Isopropyl Acetate	0.860	0.933	-8.5	102	0.00
44	TM	Trichloroethene	0.360	0.397	-10.3	105	0.00
45	C	1,2-Dichloropropane	0.381	0.407	-6.8#	100	0.00
46	T	Dibromomethane	0.277	0.298	-7.6	102	0.00
47	T	Bromodichloromethane	0.572	0.602	-5.2	97	0.00
48	T	Methyl methacrylate	0.429	0.473	-10.3	103	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091825\
Data File : VX047658.D
Acq On : 18 Sep 2025 21:16
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Sep 19 01:38:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 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	0.004	0.005	-25.0	105	0.00
50	S	Toluene-d8	1.160	1.189	-2.5	102	0.00
51	T	4-Methyl-2-Pentanone	0.477	0.543	-13.8	104	0.00
52	CM	Toluene	0.917	0.996	-8.6#	104	0.00
53	T	t-1,3-Dichloropropene	0.584	0.596	-2.1	95	0.00
54	T	cis-1,3-Dichloropropene	0.624	0.640	-2.6	96	0.00
55	T	1,1,2-Trichloroethane	0.354	0.374	-5.6	100	0.00
56	T	Ethyl methacrylate	0.555	0.615	-10.8	101	0.00
57	T	1,3-Dichloropropane	0.607	0.659	-8.6	101	0.00
58	T	2-Chloroethyl Vinyl ether	0.227	0.271	-19.4	97	0.00
59	T	2-Hexanone	0.343	0.378	-10.2	103	0.00
60	T	Dibromochloromethane	0.407	0.438	-7.6	99	0.00
61	T	1,2-Dibromoethane	0.360	0.392	-8.9	102	0.00
62	S	4-Bromofluorobenzene	0.440	0.446	-1.4	102	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	98	0.00
64	T	Tetrachloroethene	0.326	0.358	-9.8	107	0.00
65	PM	Chlorobenzene	1.136	1.210	-6.5	101	0.00
66	T	1,1,1,2-Tetrachloroethane	0.392	0.415	-5.9	98	0.00
67	C	Ethyl Benzene	1.960	2.122	-8.3#	102	0.00
68	T	m/p-Xylenes	0.729	0.796	-9.2	102	0.00
69	T	o-Xylene	0.706	0.768	-8.8	100	0.00
70	T	Styrene	1.236	1.343	-8.7	101	0.00
71	P	Bromoform	0.293	0.317	-8.2	99	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	99	0.00
73	T	Isopropylbenzene	3.801	4.107	-8.1	101	0.00
74	T	N-amyl acetate	1.733	1.934	-11.6	103	0.00
75	P	1,1,2,2-Tetrachloroethane	1.150	1.269	-10.3	103	0.00
76	T	1,2,3-Trichloropropane	1.012	0.992	2.0	87	0.00
77	T	Bromobenzene	0.936	1.002	-7.1	100	0.00
78	T	n-propylbenzene	4.494	4.855	-8.0	100	0.00
79	T	2-Chlorotoluene	2.752	2.960	-7.6	101	0.00
80	T	1,3,5-Trimethylbenzene	3.123	3.360	-7.6	100	0.00
81	T	trans-1,4-Dichloro-2-butene	0.397	0.384	3.3	92	0.00
82	T	4-Chlorotoluene	3.251	3.449	-6.1	100	0.00
83	T	tert-Butylbenzene	3.197	3.342	-4.5	99	0.00
84	T	1,2,4-Trimethylbenzene	3.166	3.414	-7.8	101	0.00
85	T	sec-Butylbenzene	3.797	4.061	-7.0	100	0.00
86	T	p-Isopropyltoluene	3.215	3.387	-5.3	98	0.00
87	T	1,3-Dichlorobenzene	1.739	1.824	-4.9	99	0.00
88	T	1,4-Dichlorobenzene	1.785	1.847	-3.5	100	0.00
89	T	n-Butylbenzene	2.975	3.143	-5.6	99	0.00
90	T	Hexachloroethane	0.564	0.588	-4.3	98	0.00
91	T	1,2-Dichlorobenzene	1.657	1.780	-7.4	101	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.233	0.253	-8.6	99	0.00
93	T	1,2,4-Trichlorobenzene	1.077	1.121	-4.1	96	0.00
94	T	Hexachlorobutadiene	0.366	0.362	1.1	93	0.00
95	T	Naphthalene	3.279	3.526	-7.5	99	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091825\
Data File : VX047658.D
Acq On : 18 Sep 2025 21:16
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Sep 19 01:38:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 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	1.002	1.056	-5.4	96	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091825\
Data File : VX047658.D
Acq On : 18 Sep 2025 21:16
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Sep 19 01:38:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	97	0.00
2	T	Dichlorodifluoromethane	50.000	67.108	-34.2#	134	0.00
3	P	Chloromethane	50.000	61.357	-22.7	122	0.00
4	C	Vinyl Chloride	50.000	61.961	-23.9#	121	0.00
5	T	Bromomethane	50.000	59.732	-19.5	115	0.00
6	T	Chloroethane	50.000	57.154	-14.3	111	0.00
7	T	Trichlorofluoromethane	50.000	58.024	-16.0	112	0.00
8	T	Diethyl Ether	50.000	55.148	-10.3	106	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	56.181	-12.4	108	0.00
10	T	Methyl Iodide	50.000	54.441	-8.9	104	0.00
11	T	Tert butyl alcohol	250.000	247.170	1.1	95	0.00
12	CM	1,1-Dichloroethene	50.000	57.507	-15.0#	110	0.00
13	T	Acrolein	250.000	333.522	-33.4#	129	0.00
14	T	Allyl chloride	50.000	52.706	-5.4	103	0.00
15	T	Acrylonitrile	250.000	293.899	-17.6	108	0.00
16	T	Acetone	250.000	219.729	12.1	93	0.00
17	T	Carbon Disulfide	50.000	59.925	-19.8	121	0.00
18	T	Methyl Acetate	50.000	54.842	-9.7	93	0.00
19	T	Methyl tert-butyl Ether	50.000	53.778	-7.6	101	0.00
20	T	Methylene Chloride	50.000	54.805	-9.6	107	0.00
21	T	trans-1,2-Dichloroethene	50.000	56.420	-12.8	108	0.00
22	T	Diisopropyl ether	50.000	54.509	-9.0	101	0.00
23	T	Vinyl Acetate	250.000	283.269	-13.3	105	0.00
24	P	1,1-Dichloroethane	50.000	55.084	-10.2	104	0.00
25	T	2-Butanone	250.000	264.947	-6.0	101	0.00
26	T	2,2-Dichloropropane	50.000	42.831	14.3	82	0.00
27	T	cis-1,2-Dichloroethene	50.000	55.442	-10.9	104	0.00
28	T	Bromochloromethane	50.000	53.438	-6.9	99	0.00
29	T	Tetrahydrofuran	250.000	280.136	-12.1	102	0.00
30	C	Chloroform	50.000	54.285	-8.6#	101	0.00
31	T	Cyclohexane	50.000	55.215	-10.4	109	0.00
32	T	1,1,1-Trichloroethane	50.000	53.945	-7.9	100	0.00
33	S	1,2-Dichloroethane-d4	50.000	50.938	-1.9	102	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	98	0.00
35	S	Dibromofluoromethane	50.000	51.115	-2.2	102	0.00
36	T	1,1-Dichloropropene	50.000	52.483	-5.0	104	0.00
37	T	Ethyl Acetate	50.000	54.969	-9.9	106	0.00
38	T	Carbon Tetrachloride	50.000	52.118	-4.2	101	0.00
39	T	Methylcyclohexane	50.000	54.630	-9.3	106	0.00
40	TM	Benzene	50.000	54.614	-9.2	105	0.00
41	T	Methacrylonitrile	50.000	55.718	-11.4	104	0.00
42	TM	1,2-Dichloroethane	50.000	52.519	-5.0	100	0.00
43	T	Isopropyl Acetate	50.000	54.217	-8.4	102	0.00
44	TM	Trichloroethene	50.000	55.163	-10.3	105	0.00
45	C	1,2-Dichloropropane	50.000	53.375	-6.8#	100	0.00
46	T	Dibromomethane	50.000	53.783	-7.6	102	0.00
47	T	Bromodichloromethane	50.000	52.634	-5.3	97	0.00
48	T	Methyl methacrylate	50.000	55.128	-10.3	103	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091825\
Data File : VX047658.D
Acq On : 18 Sep 2025 21:16
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Sep 19 01:38:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 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	1180.454	-18.0	105	0.00
50	S	Toluene-d8	50.000	51.229	-2.5	102	0.00
51	T	4-Methyl-2-Pentanone	250.000	284.360	-13.7	104	0.00
52	CM	Toluene	50.000	54.337	-8.7#	104	0.00
53	T	t-1,3-Dichloropropene	50.000	51.080	-2.2	95	0.00
54	T	cis-1,3-Dichloropropene	50.000	51.329	-2.7	96	0.00
55	T	1,1,2-Trichloroethane	50.000	52.863	-5.7	100	0.00
56	T	Ethyl methacrylate	50.000	55.412	-10.8	101	0.00
57	T	1,3-Dichloropropane	50.000	54.276	-8.6	101	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	254.746	-1.9	97	0.00
59	T	2-Hexanone	250.000	275.500	-10.2	103	0.00
60	T	Dibromochloromethane	50.000	53.772	-7.5	99	0.00
61	T	1,2-Dibromoethane	50.000	54.411	-8.8	102	0.00
62	S	4-Bromofluorobenzene	50.000	50.604	-1.2	102	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	98	0.00
64	T	Tetrachloroethene	50.000	54.988	-10.0	107	0.00
65	PM	Chlorobenzene	50.000	53.275	-6.5	101	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	52.994	-6.0	98	0.00
67	C	Ethyl Benzene	50.000	54.125	-8.3#	102	0.00
68	T	m/p-Xylenes	100.000	109.153	-9.2	102	0.00
69	T	o-Xylene	50.000	54.394	-8.8	100	0.00
70	T	Styrene	50.000	54.330	-8.7	101	0.00
71	P	Bromoform	50.000	54.082	-8.2	99	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	99	0.00
73	T	Isopropylbenzene	50.000	54.023	-8.0	101	0.00
74	T	N-amyl acetate	50.000	55.780	-11.6	103	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	55.167	-10.3	103	0.00
76	T	1,2,3-Trichloropropane	50.000	48.992	2.0	87	0.00
77	T	Bromobenzene	50.000	53.524	-7.0	100	0.00
78	T	n-propylbenzene	50.000	54.021	-8.0	100	0.00
79	T	2-Chlorotoluene	50.000	53.781	-7.6	101	0.00
80	T	1,3,5-Trimethylbenzene	50.000	53.798	-7.6	100	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	48.415	3.2	92	0.00
82	T	4-Chlorotoluene	50.000	53.056	-6.1	100	0.00
83	T	tert-Butylbenzene	50.000	52.265	-4.5	99	0.00
84	T	1,2,4-Trimethylbenzene	50.000	53.907	-7.8	101	0.00
85	T	sec-Butylbenzene	50.000	53.468	-6.9	100	0.00
86	T	p-Isopropyltoluene	50.000	52.682	-5.4	98	0.00
87	T	1,3-Dichlorobenzene	50.000	52.441	-4.9	99	0.00
88	T	1,4-Dichlorobenzene	50.000	51.751	-3.5	100	0.00
89	T	n-Butylbenzene	50.000	52.828	-5.7	99	0.00
90	T	Hexachloroethane	50.000	52.063	-4.1	98	0.00
91	T	1,2-Dichlorobenzene	50.000	53.721	-7.4	101	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	54.344	-8.7	99	0.00
93	T	1,2,4-Trichlorobenzene	50.000	52.038	-4.1	96	0.00
94	T	Hexachlorobutadiene	50.000	49.486	1.0	93	0.00
95	T	Naphthalene	50.000	53.776	-7.6	99	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091825\
Data File : VX047658.D
Acq On : 18 Sep 2025 21:16
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Sep 19 01:38:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 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	52.735	-5.5	96	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:	Alliance	Contract:	AECO15
Lab Code:	ACE	SDG No.:	Q3095
Instrument ID:	MSVOA_X	Calibration Date/Time:	09/19/2025 09:22
Lab File ID:	VX047660.D	Init. Calib. Date(s):	09/16/2025 09/16/2025
Heated Purge: (Y/N)	N	Init. Calib. Time(s):	09:23 12:01

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.518	0.650		25.48	20
Chloromethane	0.680	0.796	0.1	17.06	20
Vinyl Chloride	0.666	0.765		14.86	20
Bromomethane	0.422	0.509		20.62	20
Chloroethane	0.445	0.487		9.44	20
Trichlorofluoromethane	0.989	1.055		6.67	20
1,1,2-Trichlorotrifluoroethane	0.578	0.606		4.84	20
1,1-Dichloroethene	0.594	0.636		7.07	20
Acetone	0.346	0.370		6.94	20
Carbon Disulfide	1.626	1.859		14.33	20
Methyl tert-butyl Ether	2.169	2.275		4.89	20
Methyl Acetate	0.770	0.823		6.88	20
Methylene Chloride	0.732	0.763		4.24	20
trans-1,2-Dichloroethene	0.640	0.690		7.81	20
1,1-Dichloroethane	1.263	1.331	0.1	5.38	20
Cyclohexane	1.052	1.072		1.9	20
2-Butanone	0.432	0.467		8.1	20
Carbon Tetrachloride	0.532	0.515		-3.19	20
cis-1,2-Dichloroethene	0.783	0.828		5.75	20
Bromochloromethane	0.551	0.612		11.07	20
Chloroform	1.276	1.333		4.47	20
1,1,1-Trichloroethane	1.082	1.113		2.87	20
Methylcyclohexane	0.556	0.565		1.62	20
Benzene	1.488	1.532		2.96	20
1,2-Dichloroethane	0.566	0.567		0.18	20
Trichloroethene	0.360	0.371		3.06	20
1,2-Dichloropropane	0.381	0.386		1.31	20
Bromodichloromethane	0.572	0.580		1.4	20
4-Methyl-2-Pentanone	0.477	0.504		5.66	20
Toluene	0.917	0.930		1.42	20
t-1,3-Dichloropropene	0.584	0.600		2.74	20
cis-1,3-Dichloropropene	0.624	0.646		3.53	20
1,1,2-Trichloroethane	0.354	0.359		1.41	20
2-Hexanone	0.343	0.360		4.96	20
Dibromochloromethane	0.407	0.423		3.93	20
1,2-Dibromoethane	0.360	0.383		6.39	20
Tetrachloroethene	0.326	0.319		-2.15	20
Chlorobenzene	1.136	1.134	0.3	-0.18	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: Alliance
Contract: AECO15
Lab Code: ACE
SDG No.: Q3095
Instrument ID: MSVOA_X
Calibration Date/Time: 09/19/2025 09:22
Lab File ID: VX047660.D
Init. Calib. Date(s): 09/16/2025 09/16/2025
Heated Purge: (Y/N) N
Init. Calib. Time(s): 09:23 12:01
GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.960	1.969		0.46	20
m/p-Xylenes	0.729	0.735		0.82	20
o-Xylene	0.706	0.714		1.13	20
Styrene	1.236	1.272		2.91	20
Bromoform	0.293	0.298	0.1	1.71	20
Isopropylbenzene	3.801	3.802		0.03	20
1,1,2,2-Tetrachloroethane	1.150	1.194	0.3	3.83	20
1,3-Dichlorobenzene	1.739	1.744		0.29	20
1,4-Dichlorobenzene	1.785	1.754		-1.74	20
1,2-Dichlorobenzene	1.657	1.660		0.18	20
1,2-Dibromo-3-Chloropropane	0.233	0.242		3.86	20
1,2,4-Trichlorobenzene	1.077	1.091		1.3	20
1,2,3-Trichlorobenzene	1.002	1.028		2.6	20
1,2-Dichloroethane-d4	0.796	0.779		-2.14	20
Dibromofluoromethane	0.335	0.329		-1.79	20
Toluene-d8	1.160	1.122		-3.28	20
4-Bromofluorobenzene	0.440	0.425		-3.41	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\VX091925\
Data File : VX047660.D
Acq On : 19 Sep 2025 09:22
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 20 00:25:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 09/22/2025
Supervised By :Mahesh Dadoda 09/22/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.532	168	168285	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.739	114	306730	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	272268	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	129778	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.934	65	131043	48.921	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 97.840%			
35) Dibromofluoromethane	5.367	113	100766	48.985	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.960%			
50) Toluene-d8	8.629	98	344123	48.346	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 96.700%			
62) 4-Bromofluorobenzene	11.061	95	130212	48.202	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 96.400%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.173	85	109308	62.726	ug/l	98
3) Chloromethane	1.301	50	133876	58.454	ug/l	99
4) Vinyl Chloride	1.380	62	128689	57.401	ug/l	100
5) Bromomethane	1.618	94	85593	60.207	ug/l	96
6) Chloroethane	1.691	64	81959	54.697	ug/l	99
7) Trichlorofluoromethane	1.892	101	177530	53.331	ug/l	98
8) Diethyl Ether	2.136	74	72507	53.247	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.331	101	101931	52.368	ug/l	100
10) Methyl Iodide	2.453	142	161075	53.061	ug/l	100
11) Tert butyl alcohol	2.941	59	76492	256.398	ug/l	96
12) 1,1-Dichloroethene	2.325	96	106990	53.511	ug/l	96
13) Acrolein	2.233	56	76226	277.267	ug/l	100
14) Allyl chloride	2.660	41	214937	52.096	ug/l	98
15) Acrylonitrile	3.056	53	309800	280.351	ug/l	99
16) Acetone	2.374	43	311710	267.632	ug/l	100
17) Carbon Disulfide	2.514	76	312779	57.144	ug/l	97
18) Methyl Acetate	2.697	43	138468	53.421	ug/l	100
19) Methyl tert-butyl Ether	3.105	73	382912	52.463	ug/l	100
20) Methylene Chloride	2.782	84	128420	52.090	ug/l	97
21) trans-1,2-Dichloroethene	3.087	96	116131	53.949	ug/l	98
22) Diisopropyl ether	3.745	45	424760	53.122	ug/l	87
23) Vinyl Acetate	3.709	43	1775588	277.456	ug/l	100
24) 1,1-Dichloroethane	3.599	63	223923	52.689	ug/l	97
25) 2-Butanone	4.532	43	392796	270.370	ug/l	97
26) 2,2-Dichloropropane	4.465	77	182677	51.709	ug/l	99
27) cis-1,2-Dichloroethene	4.477	96	139356	52.862	ug/l	99
28) Bromochloromethane	4.879	49	102961	55.493	ug/l	99
29) Tetrahydrofuran	4.983	42	240704	275.412	ug/l	99
30) Chloroform	5.074	83	224397	52.250	ug/l	99
31) Cyclohexane	5.452	56	180483	50.989	ug/l	97
32) 1,1,1-Trichloroethane	5.367	97	187258	51.405	ug/l	100
36) 1,1-Dichloropropene	5.672	75	148709	49.472	ug/l	99
37) Ethyl Acetate	4.690	43	167930	52.177	ug/l	98
38) Carbon Tetrachloride	5.660	117	158068	48.399	ug/l	96
39) Methylcyclohexane	7.361	83	173329	50.798	ug/l	98
40) Benzene	6.019	78	469978	51.478	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091925\
Data File : VX047660.D
Acq On : 19 Sep 2025 09:22
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 20 00:25:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 09/22/2025
Supervised By :Mahesh Dadoda 09/22/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.898	41	89756	54.019	ug/l	98
42) 1,2-Dichloroethane	6.068	62	173829	50.041	ug/l	99
43) Isopropyl Acetate	6.318	43	269858	51.124	ug/l	99
44) Trichloroethene	7.104	130	113653	51.491	ug/l	100
45) 1,2-Dichloropropane	7.409	63	118540	50.706	ug/l	99
46) Dibromomethane	7.562	93	87295	51.314	ug/l	99
47) Bromodichloromethane	7.799	83	177916	50.681	ug/l	98
48) Methyl methacrylate	7.671	41	135518	51.542	ug/l	99
49) 1,4-Dioxane	7.641	88	33615	1265.071	ug/l	98
51) 4-Methyl-2-Pentanone	8.555	43	772605	263.992	ug/l	100
52) Toluene	8.702	92	285358	50.732	ug/l	99
53) t-1,3-Dichloropropene	8.958	75	184125	51.420	ug/l	99
54) cis-1,3-Dichloropropene	8.348	75	198129	51.767	ug/l	99
55) 1,1,2-Trichloroethane	9.135	97	110081	50.755	ug/l	98
56) Ethyl methacrylate	9.098	69	181056	53.155	ug/l	96
57) 1,3-Dichloropropane	9.293	76	193901	52.043	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.220	63	426594	261.332	ug/l	100
59) 2-Hexanone	9.415	43	551745	262.497	ug/l	98
60) Dibromochloromethane	9.500	129	129786	51.934	ug/l	100
61) 1,2-Dibromoethane	9.592	107	117326	53.110	ug/l	99
64) Tetrachloroethene	9.257	164	86883	48.951	ug/l	98
65) Chlorobenzene	10.061	112	308645	49.899	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.147	131	107031	50.145	ug/l	100
67) Ethyl Benzene	10.177	91	536224	50.244	ug/l	100
68) m/p-Xylenes	10.281	106	400119	100.725	ug/l	99
69) o-Xylene	10.622	106	194487	50.618	ug/l	99
70) Styrene	10.634	104	346312	51.440	ug/l	98
71) Bromoform	10.781	173	81077	50.872	ug/l	99
73) Isopropylbenzene	10.945	105	493376	50.005	ug/l	99
74) N-amyl acetate	10.823	43	234901	52.208	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.195	83	154912	51.895	ug/l	99
76) 1,2,3-Trichloropropane	11.220	75	125290m	47.682	ug/l	
77) Bromobenzene	11.177	156	121922	50.172	ug/l	99
78) n-propylbenzene	11.287	91	583388	50.018	ug/l	99
79) 2-Chlorotoluene	11.348	91	356287	49.875	ug/l	99
80) 1,3,5-Trimethylbenzene	11.433	105	409554	50.523	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.000	75	51972	50.440	ug/l	99
82) 4-Chlorotoluene	11.433	91	421274	49.932	ug/l	99
83) tert-Butylbenzene	11.695	119	399938	48.196	ug/l	99
84) 1,2,4-Trimethylbenzene	11.732	105	415095	50.508	ug/l	100
85) sec-Butylbenzene	11.872	105	489102	49.622	ug/l	100
86) p-Isopropyltoluene	11.988	119	415198	49.757	ug/l	99
87) 1,3-Dichlorobenzene	11.951	146	226308	50.139	ug/l	99
88) 1,4-Dichlorobenzene	12.024	146	227633	49.138	ug/l	99
89) n-Butylbenzene	12.311	91	386234	50.022	ug/l	99
90) Hexachloroethane	12.518	117	73125	49.913	ug/l	99
91) 1,2-Dichlorobenzene	12.317	146	215367	50.084	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.920	75	31345	51.864	ug/l	98
93) 1,2,4-Trichlorobenzene	13.567	180	141532	50.643	ug/l	100
94) Hexachlorobutadiene	13.707	225	47423	49.957	ug/l	99
95) Naphthalene	13.756	128	428676	50.373	ug/l	100
96) 1,2,3-Trichlorobenzene	13.939	180	133374	51.304	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091925\
Data File : VX047660.D
Acq On : 19 Sep 2025 09:22
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 20 00:25:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 09/22/2025
Supervised By :Mahesh Dadoda 09/22/2025

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

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

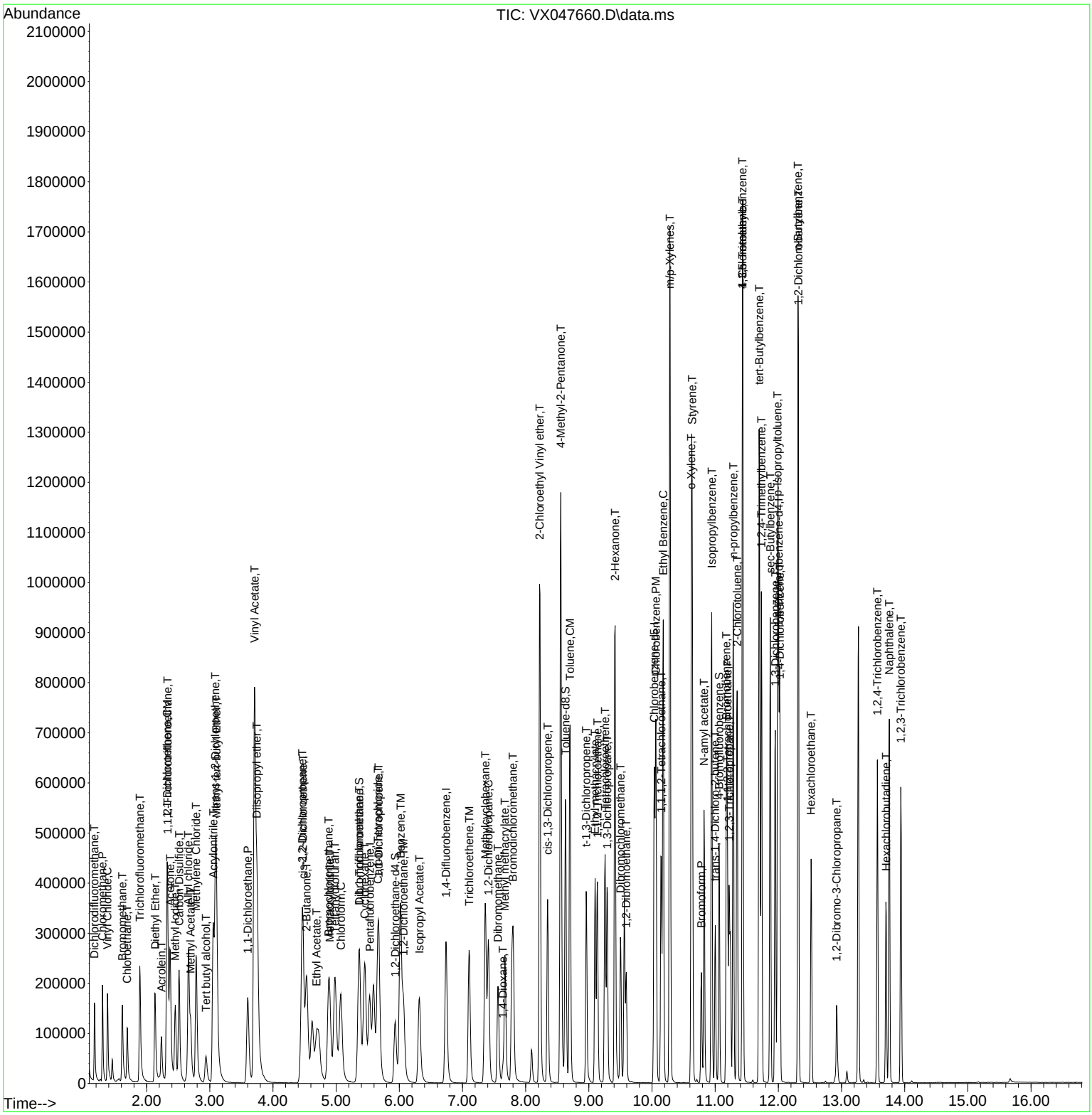
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091925\
Data File : VX047660.D
Acq On : 19 Sep 2025 09:22
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

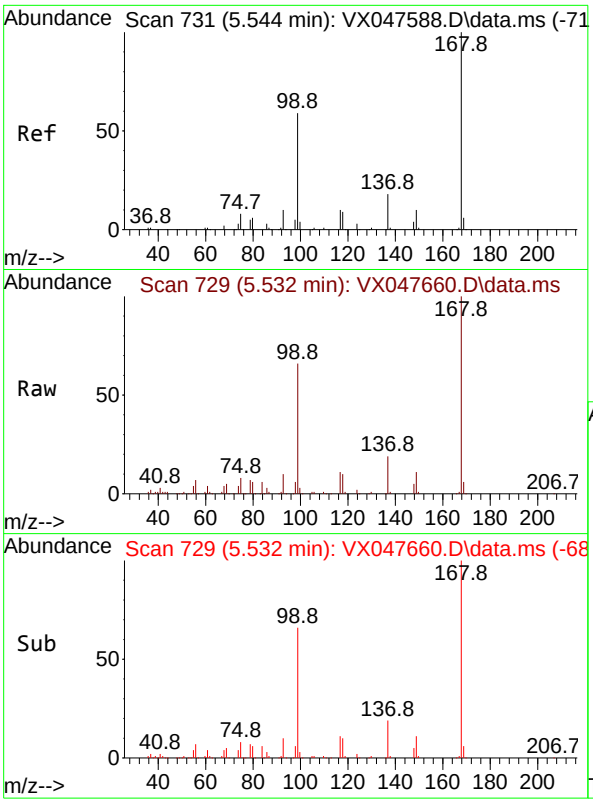
Quant Time: Sep 20 00:25:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 09/22/2025
Supervised By :Mahesh Dadoda 09/22/2025

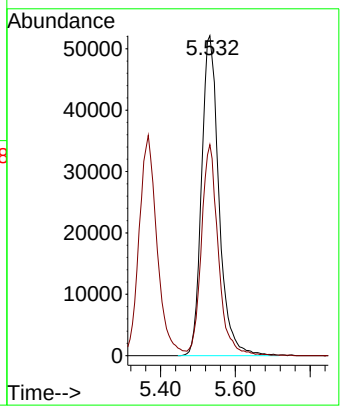




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.532 min Scan# 7
Delta R.T. -0.012 min
Lab File: VX047660.D
Acq: 19 Sep 2025 09:22

Tgt Ion:168 Resp: 16828

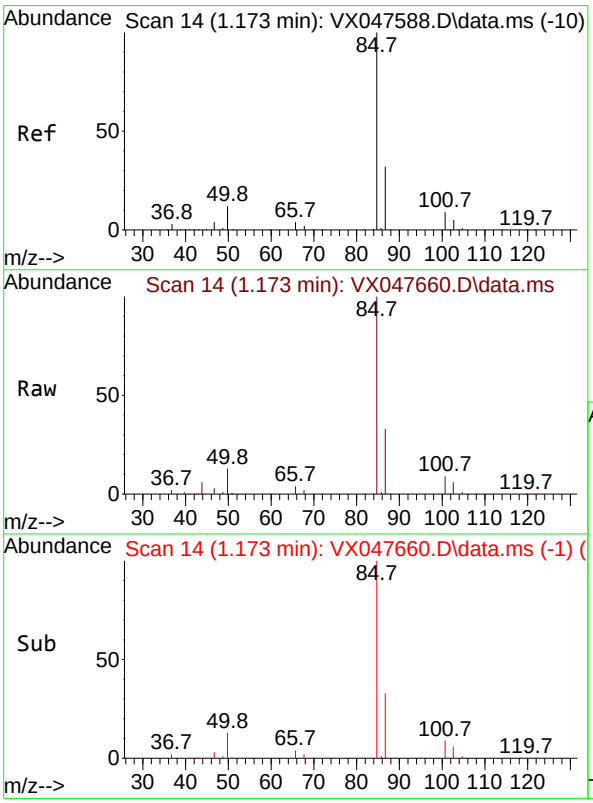
Ion	Ratio	Lower	Upper
168	100		
99	65.8	48.8	73.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

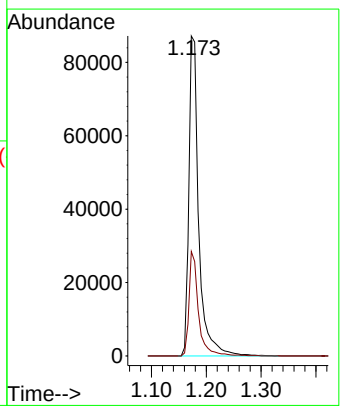
Reviewed By :Semsettin Yesilyurt 09/22/2025
Supervised By :Mahesh Dadoda 09/22/2025

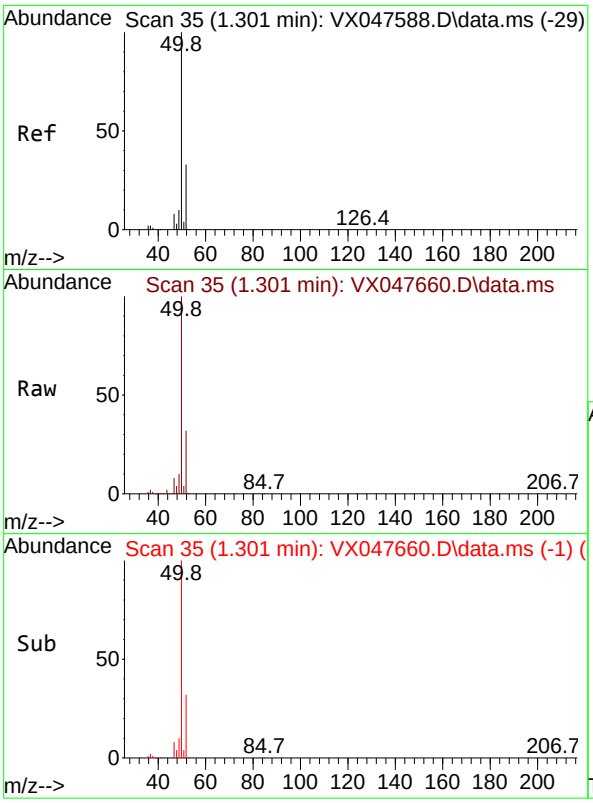


#2
Dichlorodifluoromethane
Concen: 62.726 ug/l
RT: 1.173 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047660.D
Acq: 19 Sep 2025 09:22

Tgt Ion: 85 Resp: 109308

Ion	Ratio	Lower	Upper
85	100		
87	32.6	15.8	47.3

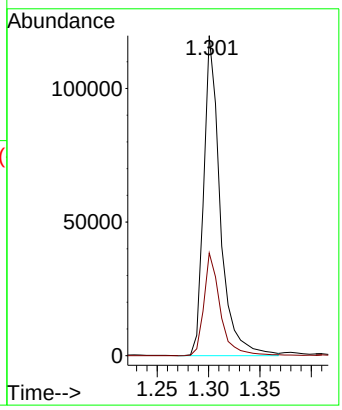




#3
Chloromethane
Concen: 58.454 ug/l
RT: 1.301 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047660.D
Acq: 19 Sep 2025 09:22

Tgt Ion: 50 Resp: 13387

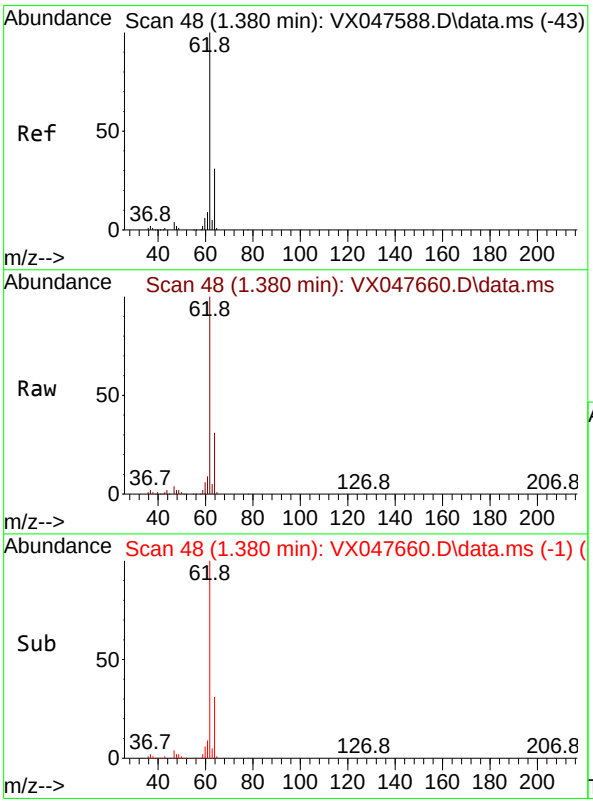
Ion	Ratio	Lower	Upper
50	100		
52	32.1	26.1	39.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

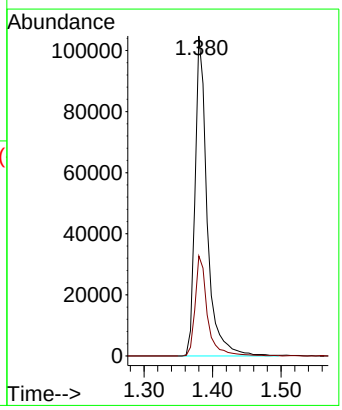
Reviewed By :Semsettin Yesilyurt 09/22/2025
Supervised By :Mahesh Dadoda 09/22/2025

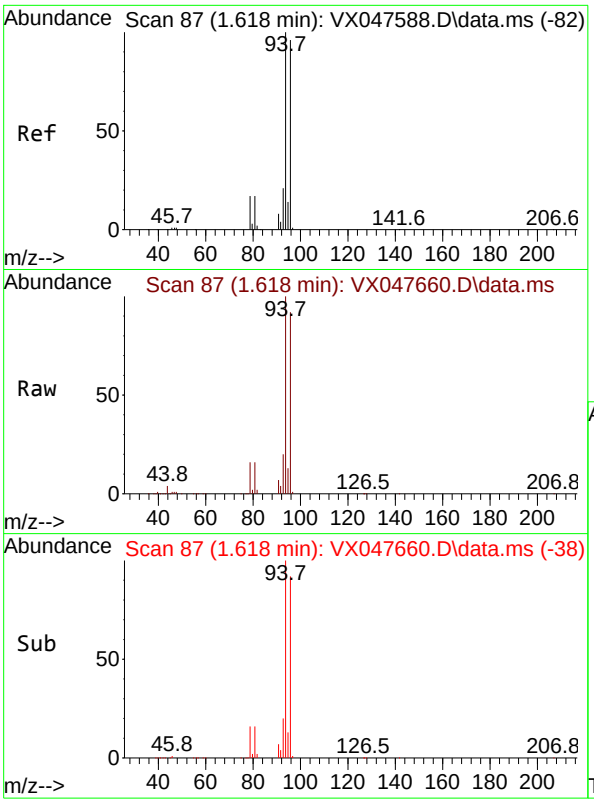


#4
Vinyl Chloride
Concen: 57.401 ug/l
RT: 1.380 min Scan# 48
Delta R.T. 0.000 min
Lab File: VX047660.D
Acq: 19 Sep 2025 09:22

Tgt Ion: 62 Resp: 128689

Ion	Ratio	Lower	Upper
62	100		
64	31.2	24.9	37.3

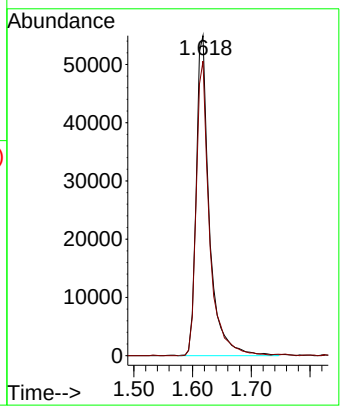




#5
Bromomethane
Concen: 60.207 ug/l
RT: 1.618 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX047660.D
Acq: 19 Sep 2025 09:22

Tgt Ion: 94 Resp: 8559

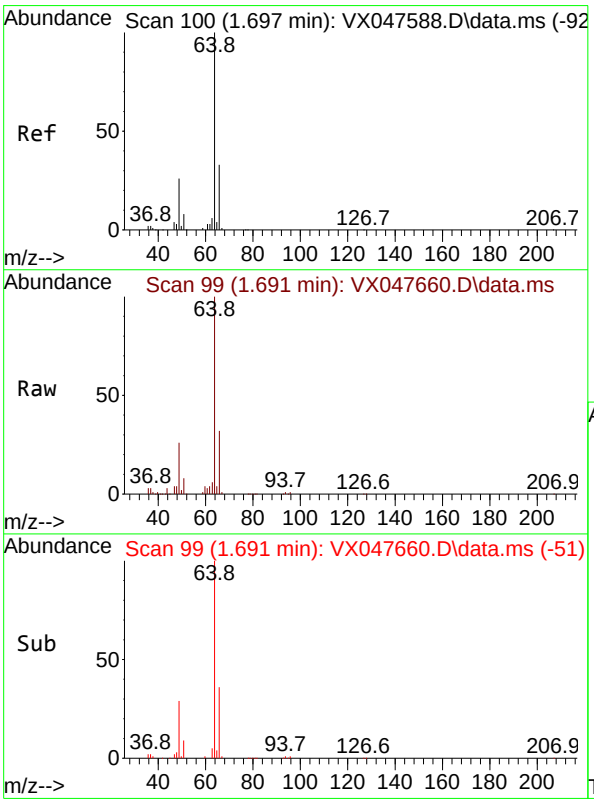
Ion	Ratio	Lower	Upper
94	100		
96	92.0	76.6	115.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

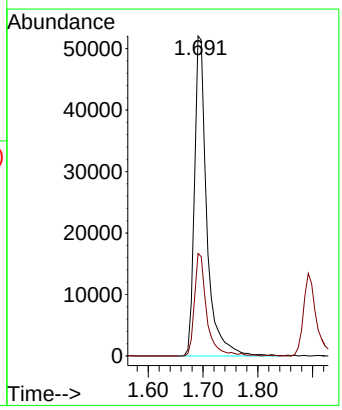
Reviewed By :Semsettin Yesilyurt 09/22/2025
Supervised By :Mahesh Dadoda 09/22/2025

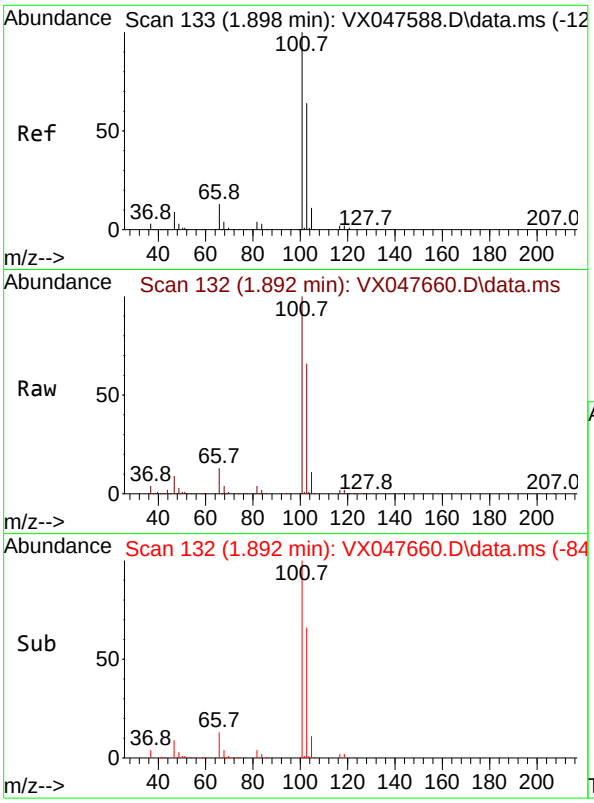


#6
Chloroethane
Concen: 54.697 ug/l
RT: 1.691 min Scan# 99
Delta R.T. -0.006 min
Lab File: VX047660.D
Acq: 19 Sep 2025 09:22

Tgt Ion: 64 Resp: 81959

Ion	Ratio	Lower	Upper
64	100		
66	32.0	26.1	39.1





#7
Trichlorofluoromethane
Concen: 53.331 ug/l
RT: 1.892 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047660.D
Acq: 19 Sep 2025 09:22

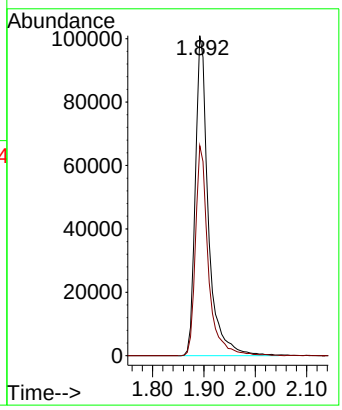
Tgt Ion:101 Resp: 17753

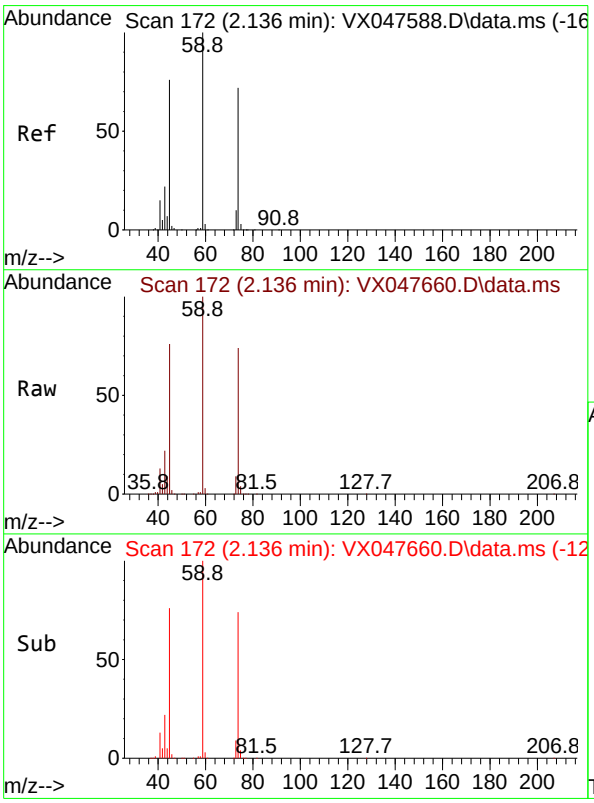
Ion	Ratio	Lower	Upper
101	100		
103	65.6	51.4	77.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 09/22/2025
Supervised By :Mahesh Dadoda 09/22/2025

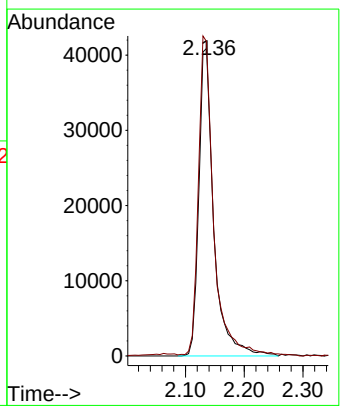


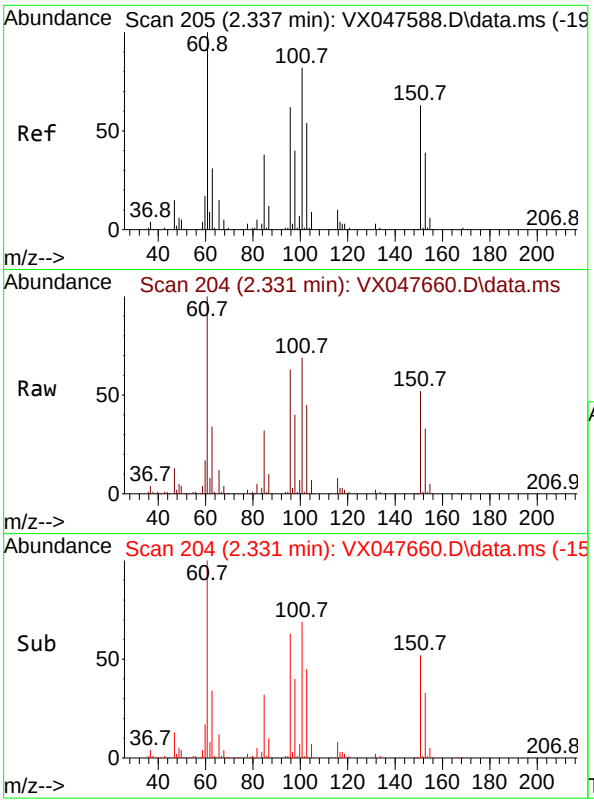


#8
Diethyl Ether
Concen: 53.247 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX047660.D
Acq: 19 Sep 2025 09:22

Tgt Ion: 74 Resp: 72507

Ion	Ratio	Lower	Upper
74	100		
45	106.8	52.3	156.8

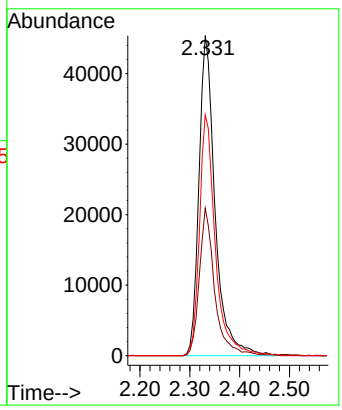




#9
1,1,2-Trichlorotrifluoroethane
Concen: 52.368 ug/l
RT: 2.331 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047660.D
Acq: 19 Sep 2025 09:22

Tgt Ion:101 Resp: 10193

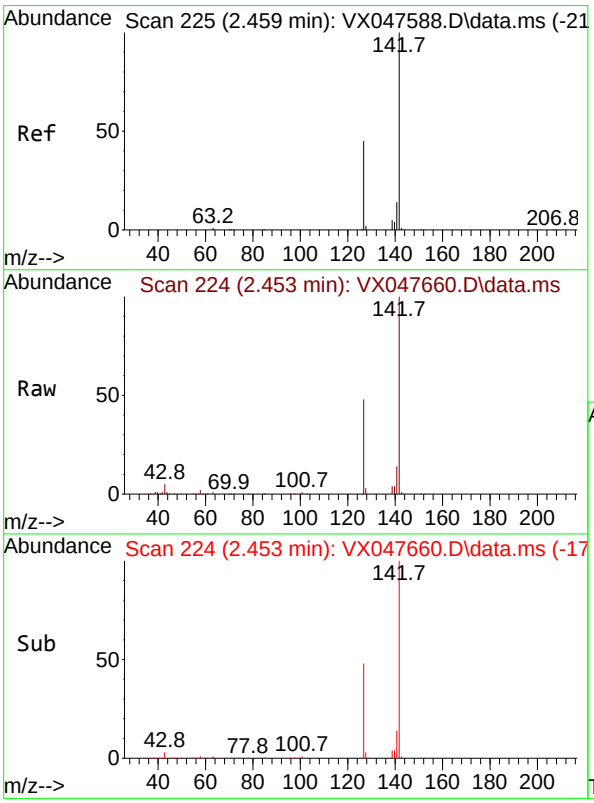
Ion	Ratio	Lower	Upper
101	100		
85	44.0	35.5	53.3
151	74.2	59.4	89.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

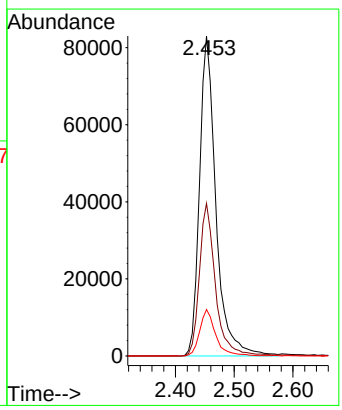
Reviewed By :Semsettin Yesilyurt 09/22/2025
Supervised By :Mahesh Dadoda 09/22/2025

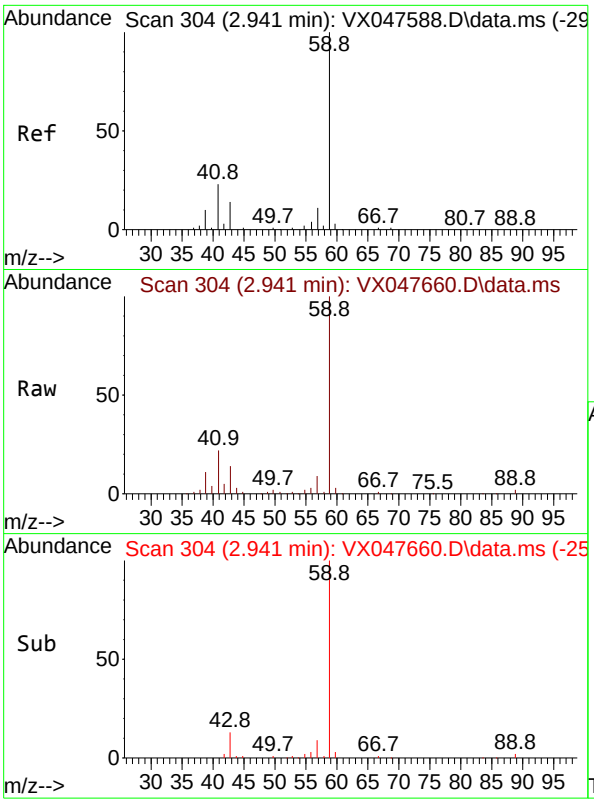


#10
Methyl Iodide
Concen: 53.061 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.006 min
Lab File: VX047660.D
Acq: 19 Sep 2025 09:22

Tgt Ion:142 Resp: 161075

Ion	Ratio	Lower	Upper
142	100		
127	46.6	37.2	55.8
141	14.2	11.4	17.0

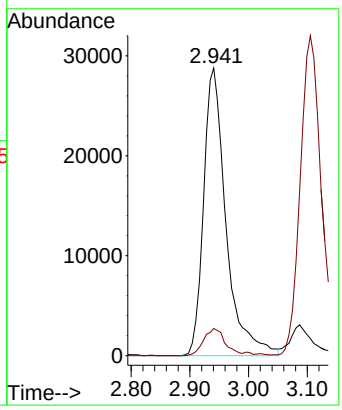




#11
Tert butyl alcohol
Concen: 256.398 ug/l
RT: 2.941 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047660.D
Acq: 19 Sep 2025 09:22

Tgt Ion: 59 Resp: 7649

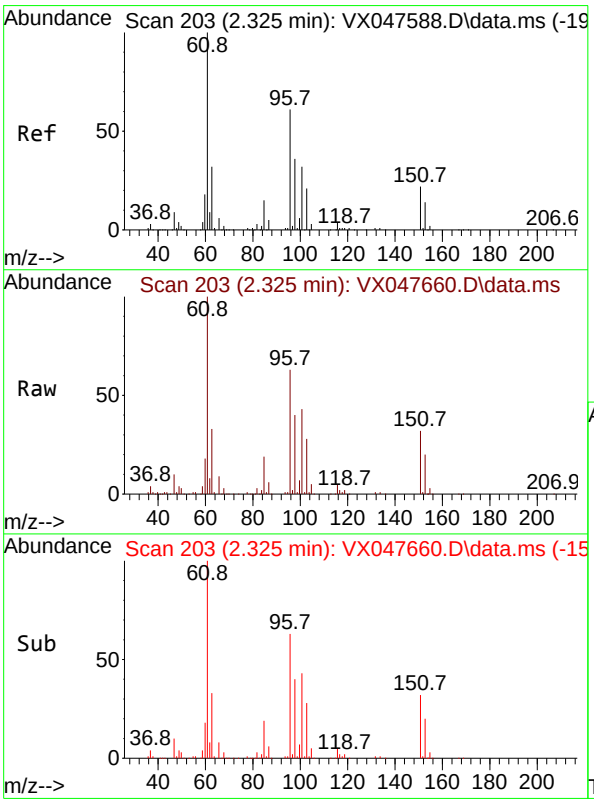
Ion	Ratio	Lower	Upper
59	100		
57	9.0	8.3	12.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

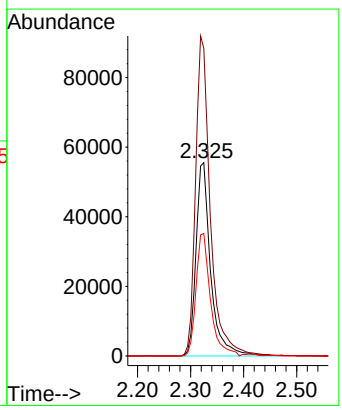
Reviewed By :Semsettin Yesilyurt 09/22/2025
Supervised By :Mahesh Dadoda 09/22/2025

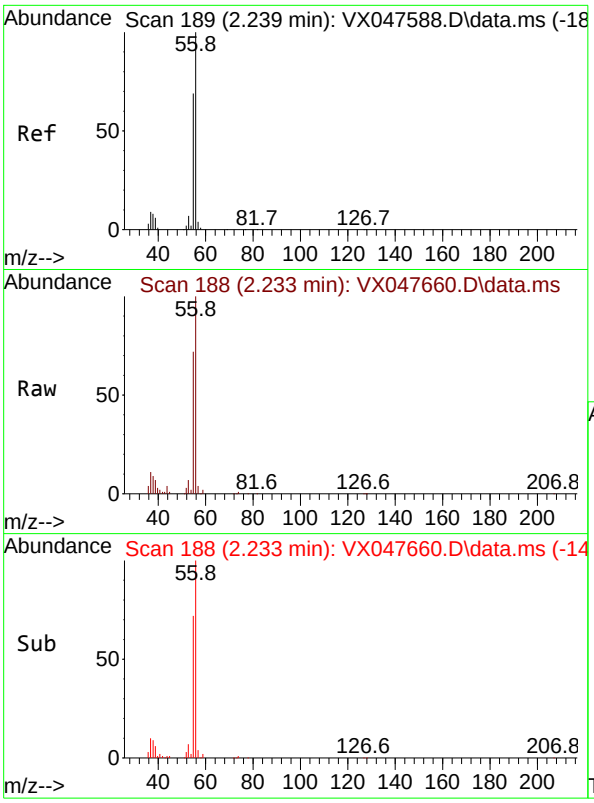


#12
1,1-Dichloroethene
Concen: 53.511 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX047660.D
Acq: 19 Sep 2025 09:22

Tgt Ion: 96 Resp: 106990

Ion	Ratio	Lower	Upper
96	100		
61	159.2	131.0	196.6
98	63.4	47.7	71.5

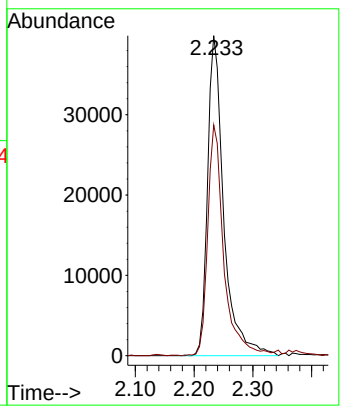




#13
Acrolein
Concen: 277.267 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047660.D
Acq: 19 Sep 2025 09:22

Tgt Ion: 56 Resp: 7622

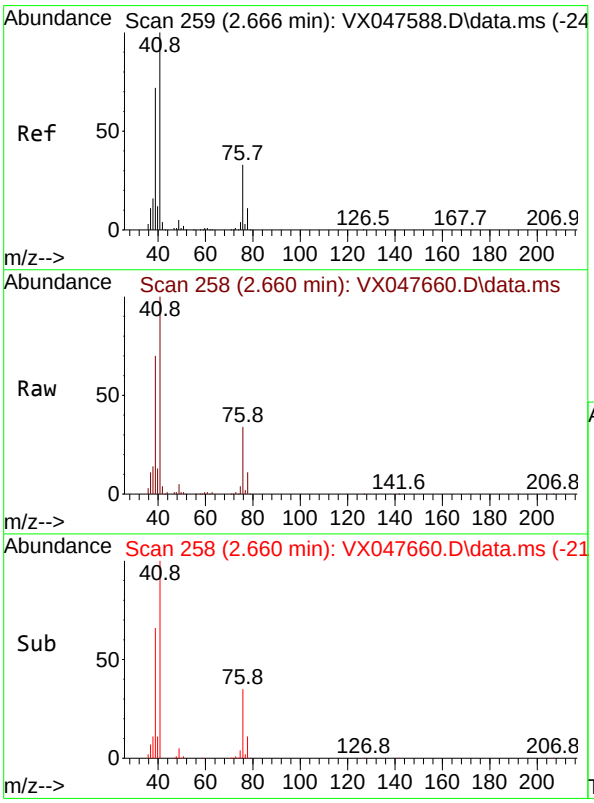
Ion	Ratio	Lower	Upper
56	100		
55	71.3	57.2	85.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

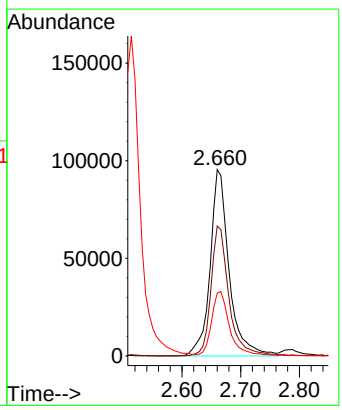
Reviewed By :Semsettin Yesilyurt 09/22/2025
Supervised By :Mahesh Dadoda 09/22/2025

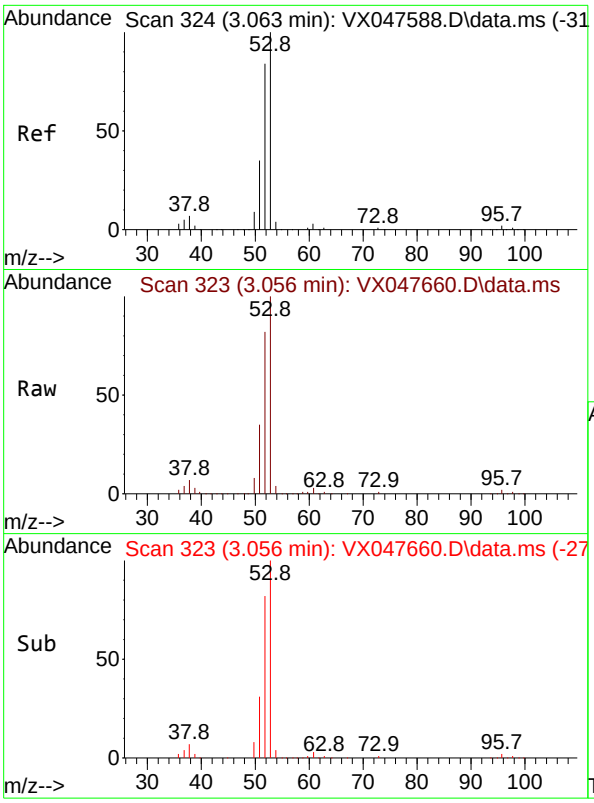


#14
Allyl chloride
Concen: 52.096 ug/l
RT: 2.660 min Scan# 258
Delta R.T. -0.006 min
Lab File: VX047660.D
Acq: 19 Sep 2025 09:22

Tgt Ion: 41 Resp: 214937

Ion	Ratio	Lower	Upper
41	100		
39	66.2	54.7	82.1
76	32.9	25.7	38.5

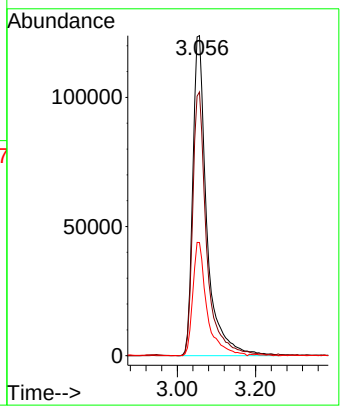




#15
Acrylonitrile
Concen: 280.351 ug/l
RT: 3.056 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047660.D
Acq: 19 Sep 2025 09:22

Tgt Ion: 53 Resp: 30980

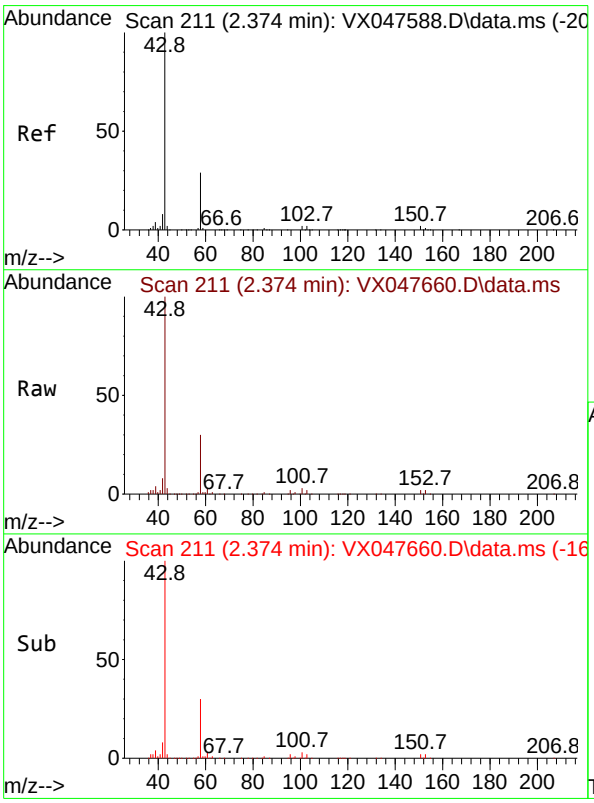
Ion	Ratio	Lower	Upper
53	100		
52	82.3	66.4	99.6
51	35.8	29.5	44.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

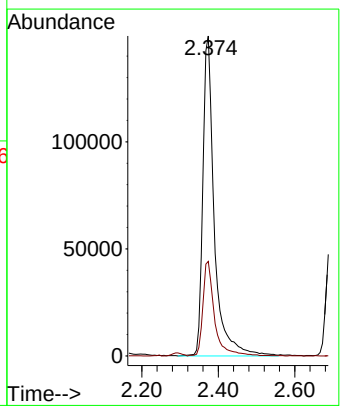
Reviewed By :Semsettin Yesilyurt 09/22/2025
Supervised By :Mahesh Dadoda 09/22/2025

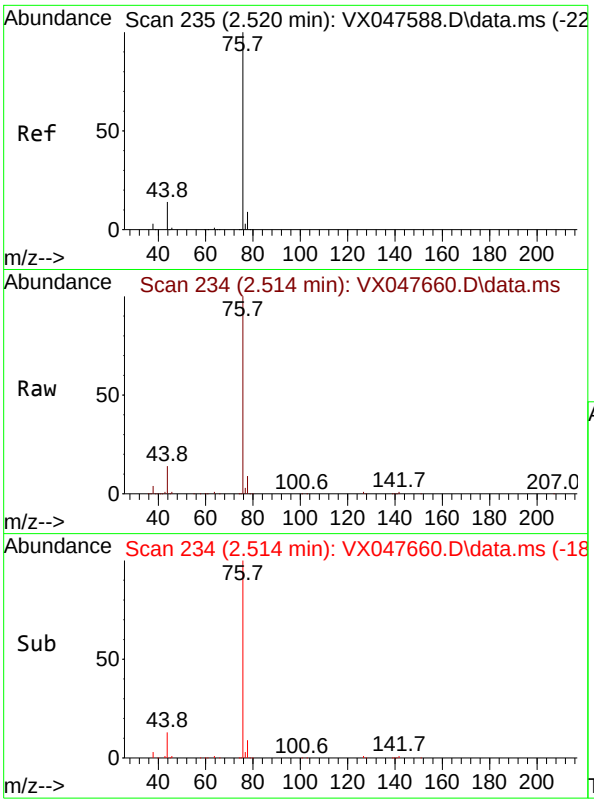


#16
Acetone
Concen: 267.632 ug/l
RT: 2.374 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX047660.D
Acq: 19 Sep 2025 09:22

Tgt Ion: 43 Resp: 311710

Ion	Ratio	Lower	Upper
43	100		
58	29.5	23.4	35.0

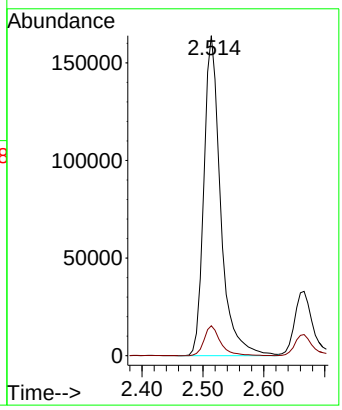




#17
Carbon Disulfide
Concen: 57.144 ug/l
RT: 2.514 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047660.D
Acq: 19 Sep 2025 09:22

Tgt Ion: 76 Resp: 31277

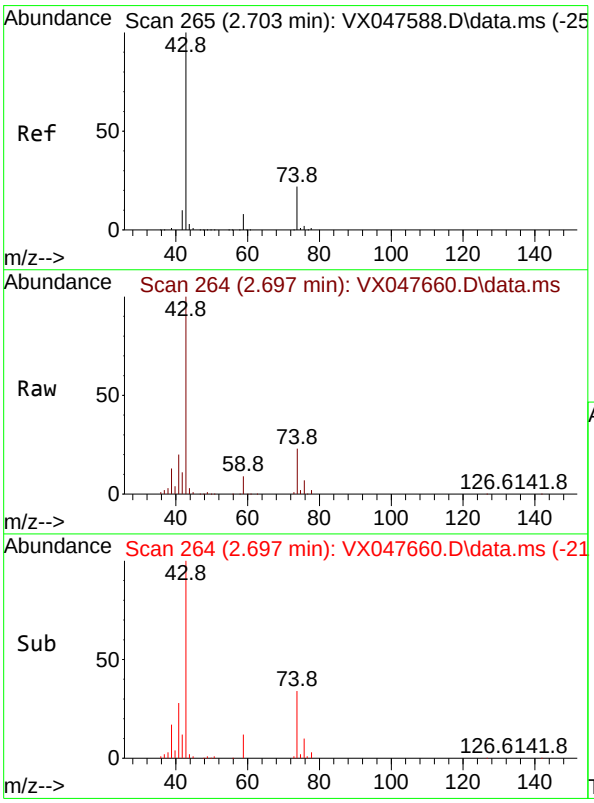
Ion	Ratio	Lower	Upper
76	100		
78	9.5	6.8	10.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

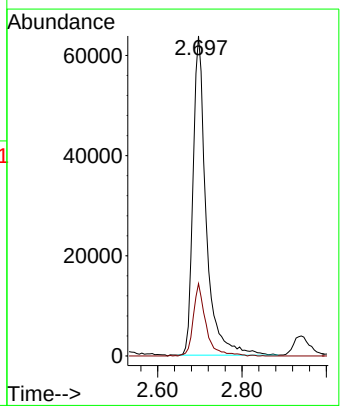
Reviewed By :Semsettin Yesilyurt 09/22/2025
Supervised By :Mahesh Dadoda 09/22/2025

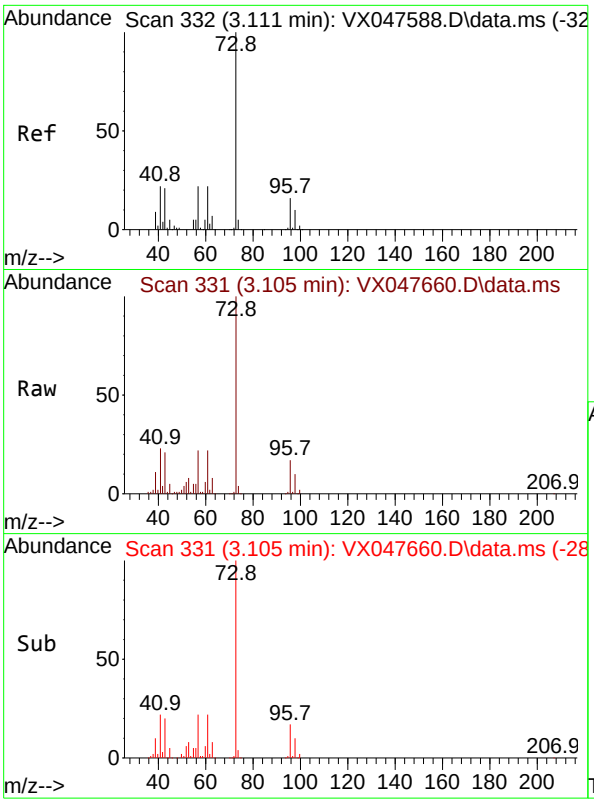


#18
Methyl Acetate
Concen: 53.421 ug/l
RT: 2.697 min Scan# 264
Delta R.T. -0.006 min
Lab File: VX047660.D
Acq: 19 Sep 2025 09:22

Tgt Ion: 43 Resp: 138468

Ion	Ratio	Lower	Upper
43	100		
74	21.7	17.4	26.2

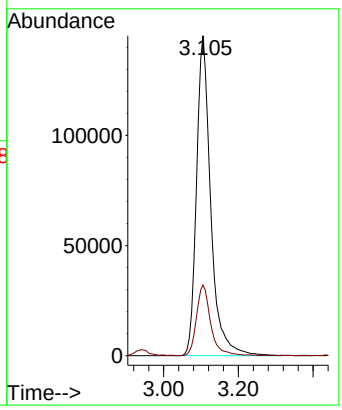




#19
Methyl tert-butyl Ether
Concen: 52.463 ug/l
RT: 3.105 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047660.D
Acq: 19 Sep 2025 09:22

Tgt Ion: 73 Resp: 38291

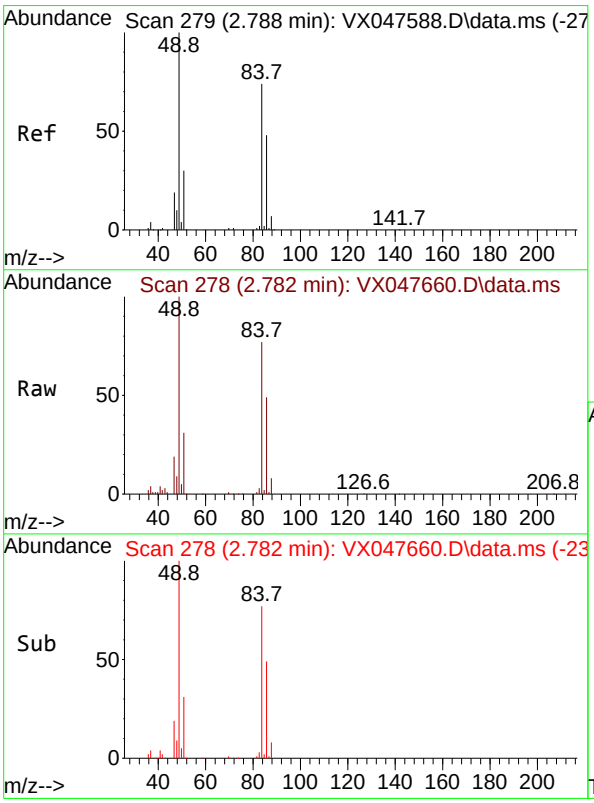
Ion	Ratio	Lower	Upper
73	100		
57	22.0	17.4	26.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

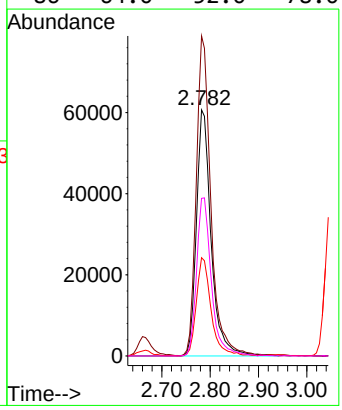
Reviewed By :Semsettin Yesilyurt 09/22/2025
Supervised By :Mahesh Dadoda 09/22/2025

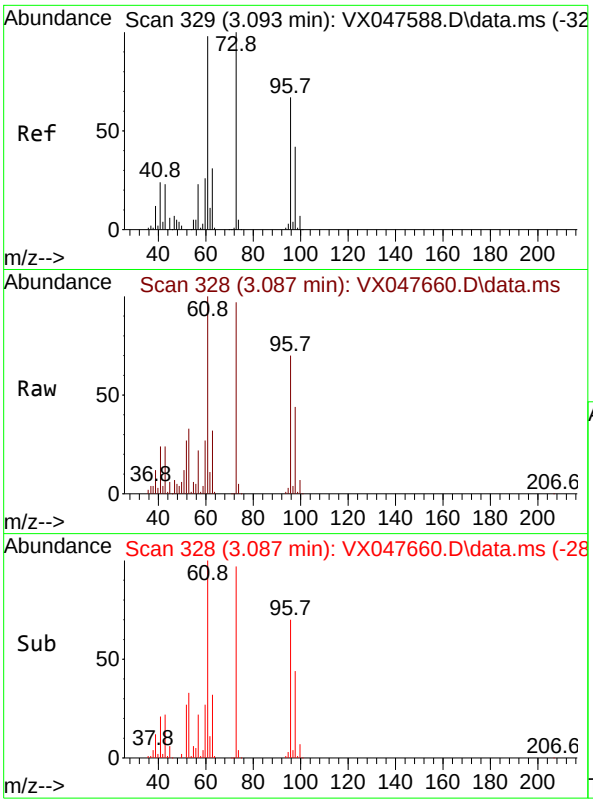


#20
Methylene Chloride
Concen: 52.090 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.006 min
Lab File: VX047660.D
Acq: 19 Sep 2025 09:22

Tgt Ion: 84 Resp: 128420

Ion	Ratio	Lower	Upper
84	100		
49	129.8	108.6	162.8
51	39.9	32.6	48.8
86	64.0	52.0	78.0

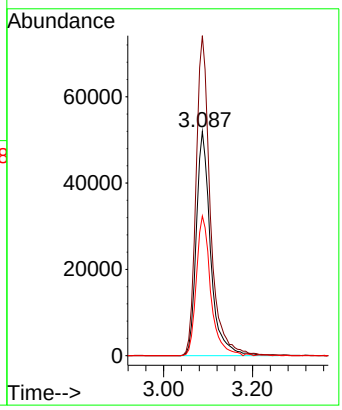




#21
trans-1,2-Dichloroethene
Concen: 53.949 ug/l
RT: 3.087 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047660.D
Acq: 19 Sep 2025 09:22

Tgt Ion: 96 Resp: 11613

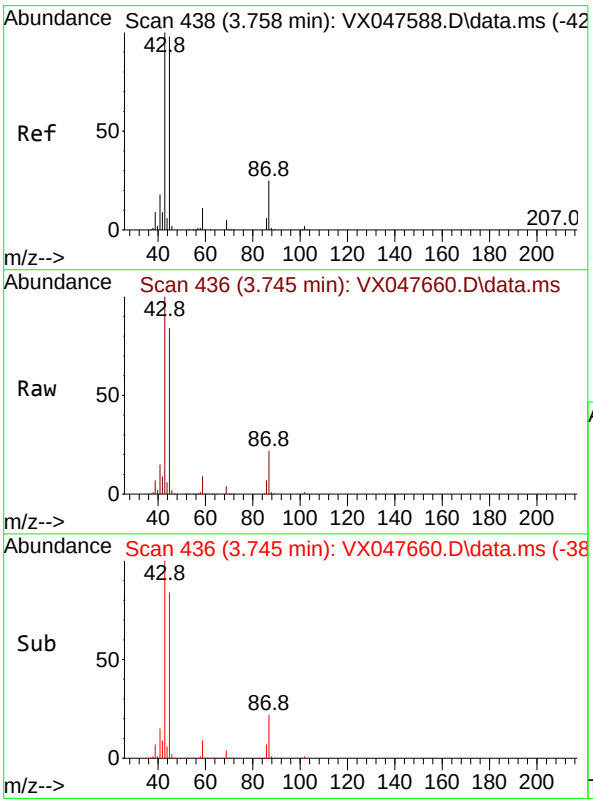
Ion	Ratio	Lower	Upper
96	100		
61	142.7	116.2	174.2
98	62.3	49.3	73.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

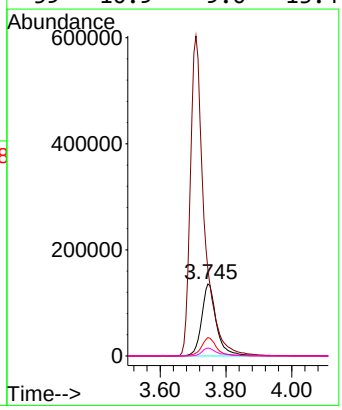
Reviewed By :Semsettin Yesilyurt 09/22/2025
Supervised By :Mahesh Dadoda 09/22/2025

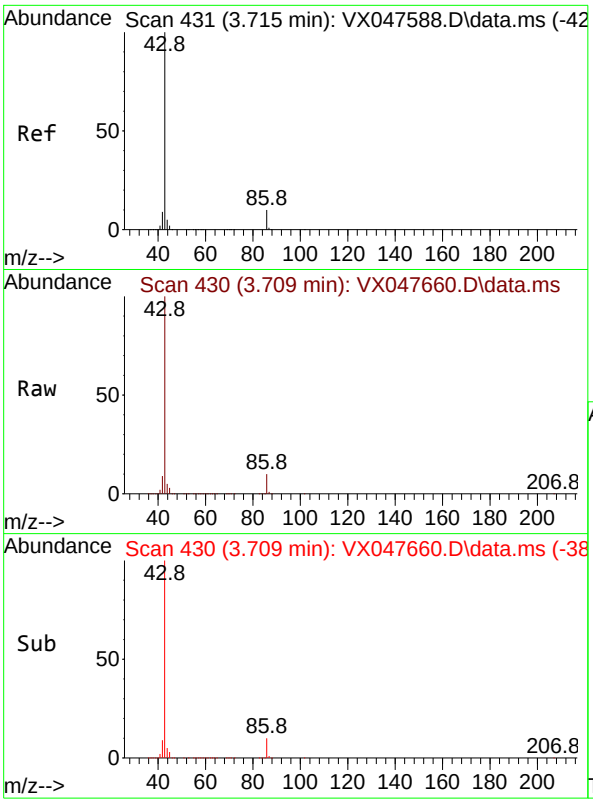


#22
Diisopropyl ether
Concen: 53.122 ug/l
RT: 3.745 min Scan# 436
Delta R.T. -0.012 min
Lab File: VX047660.D
Acq: 19 Sep 2025 09:22

Tgt Ion: 45 Resp: 424760

Ion	Ratio	Lower	Upper
45	100		
43	118.6	81.0	121.4
87	25.6	20.3	30.5
59	10.9	9.0	13.4





#23
Vinyl Acetate
Concen: 277.456 ug/l
RT: 3.709 min Scan# 4
Delta R.T. -0.006 min
Lab File: VX047660.D
Acq: 19 Sep 2025 09:22

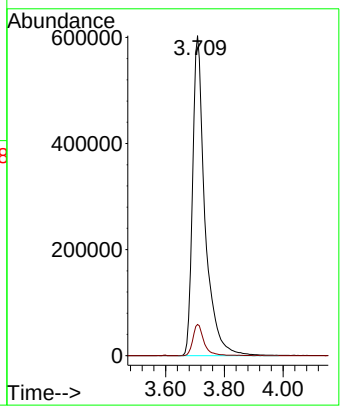
Tgt Ion: 43 Resp: 177558

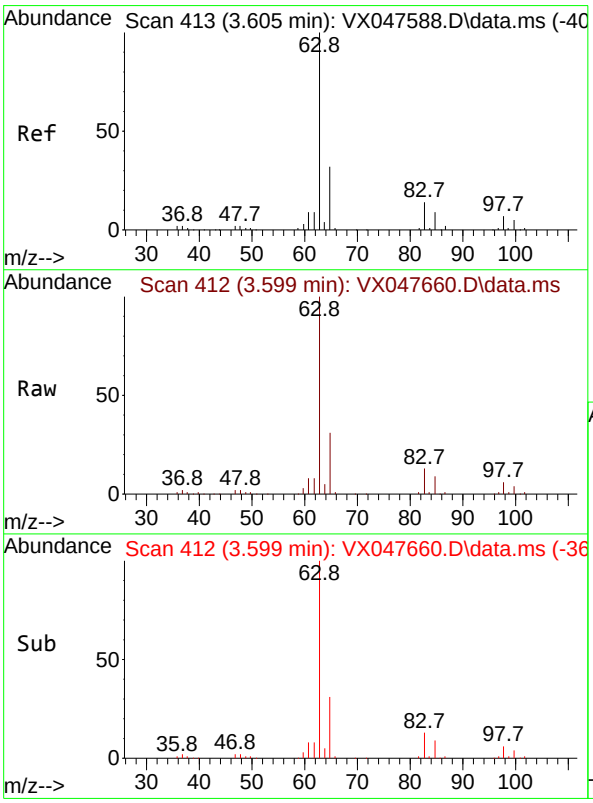
Ion	Ratio	Lower	Upper
43	100		
86	9.7	7.8	11.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 09/22/2025
Supervised By :Mahesh Dadoda 09/22/2025

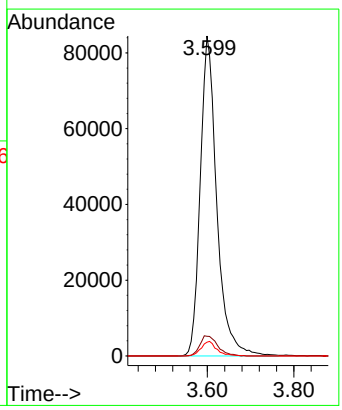


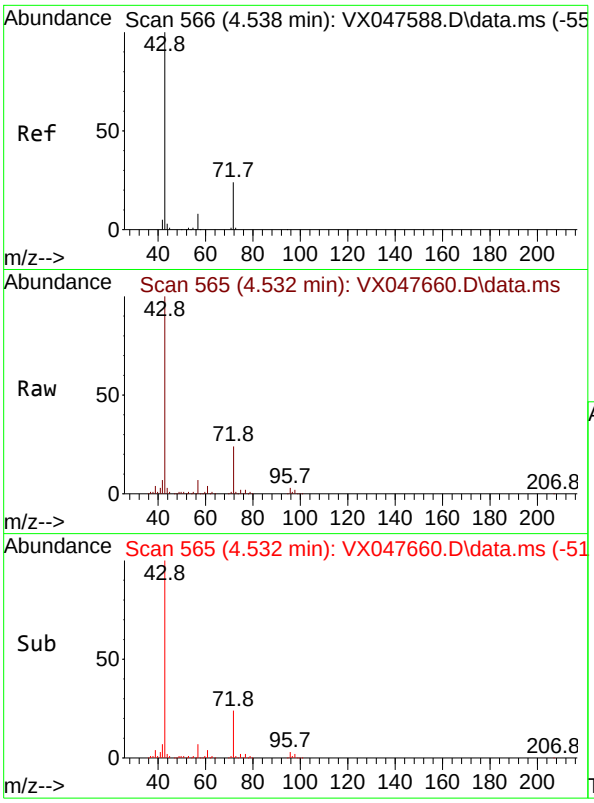


#24
1,1-Dichloroethane
Concen: 52.689 ug/l
RT: 3.599 min Scan# 412
Delta R.T. -0.006 min
Lab File: VX047660.D
Acq: 19 Sep 2025 09:22

Tgt Ion: 63 Resp: 223923

Ion	Ratio	Lower	Upper
63	100		
98	6.2	3.8	11.2
100	4.3	2.3	6.9





#25
2-Butanone
Concen: 270.370 ug/l
RT: 4.532 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX047660.D
Acq: 19 Sep 2025 09:22

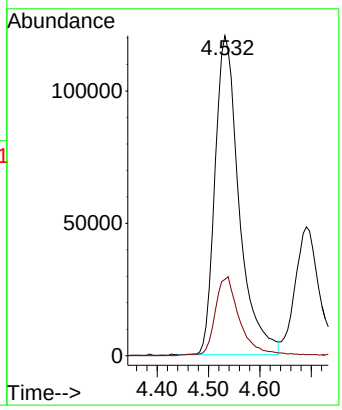
Tgt Ion: 43 Resp: 39279

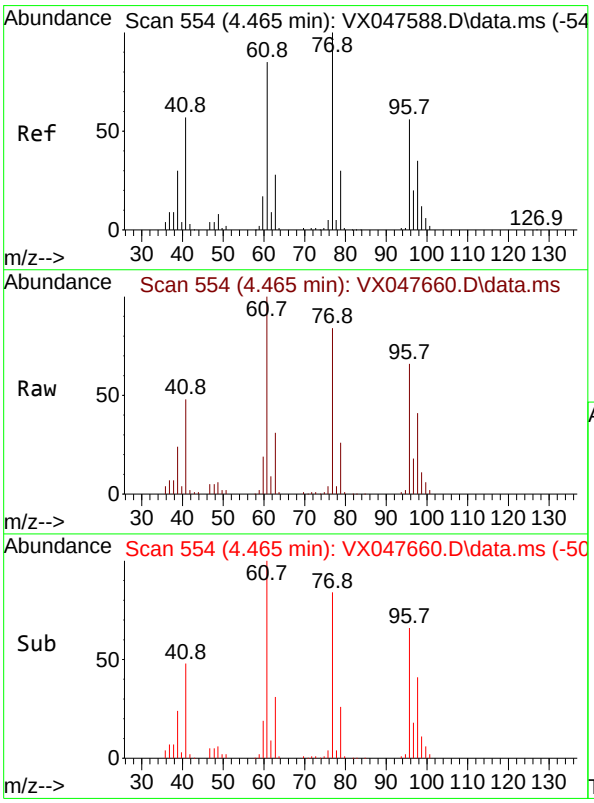
Ion	Ratio	Lower	Upper
43	100		
72	23.8	20.1	30.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 09/22/2025
Supervised By :Mahesh Dadoda 09/22/2025

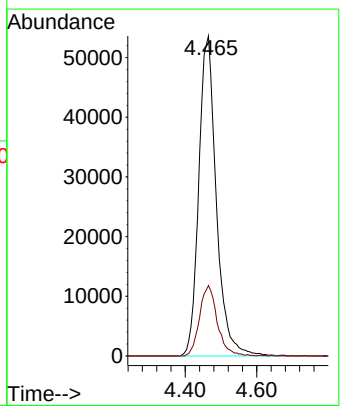


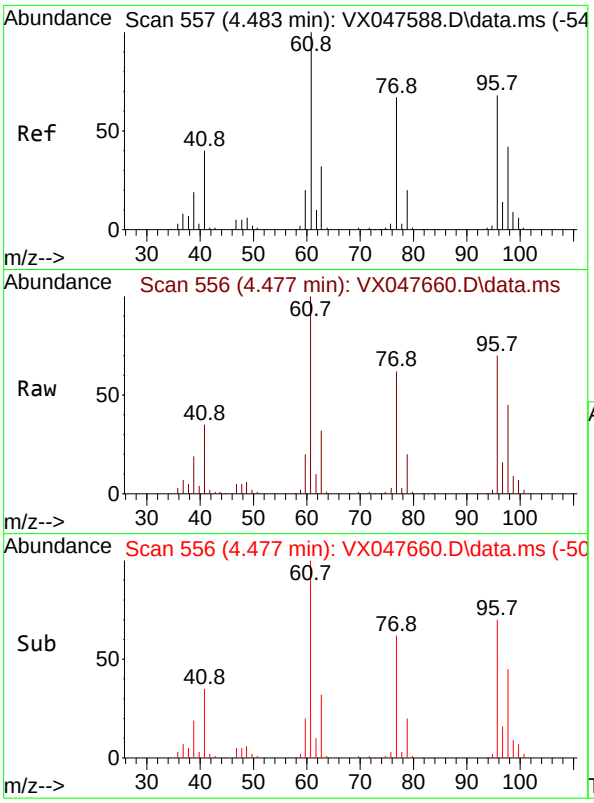


#26
2,2-Dichloropropane
Concen: 51.709 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.000 min
Lab File: VX047660.D
Acq: 19 Sep 2025 09:22

Tgt Ion: 77 Resp: 182677

Ion	Ratio	Lower	Upper
77	100		
97	22.2	10.9	32.7

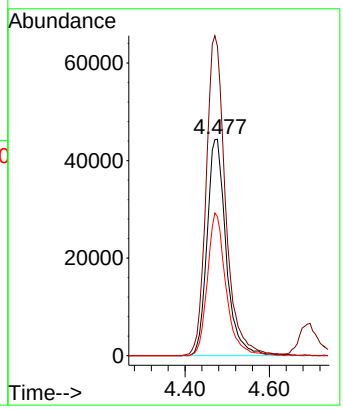




#27
cis-1,2-Dichloroethene
Concen: 52.862 ug/l
RT: 4.477 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX047660.D
Acq: 19 Sep 2025 09:22

Tgt Ion: 96 Resp: 13935

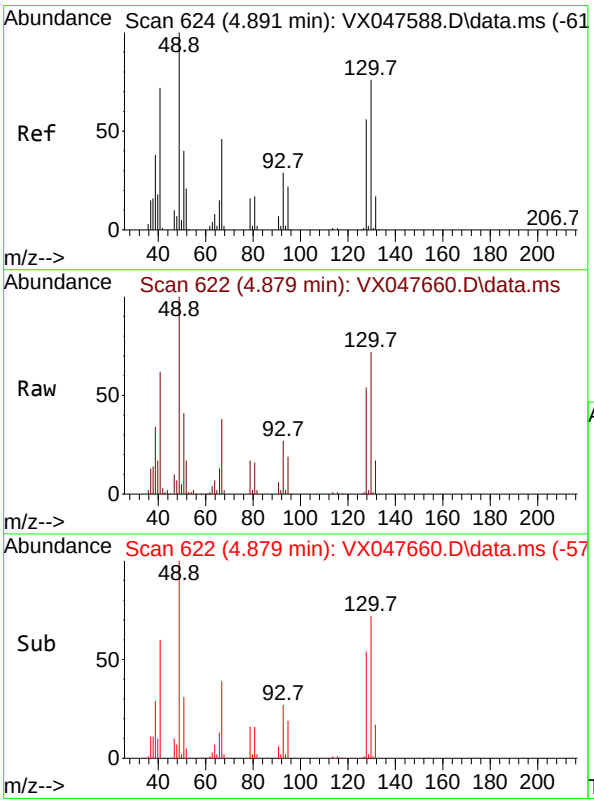
Ion	Ratio	Lower	Upper
96	100		
61	150.1	0.0	303.2
98	64.1	0.0	127.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

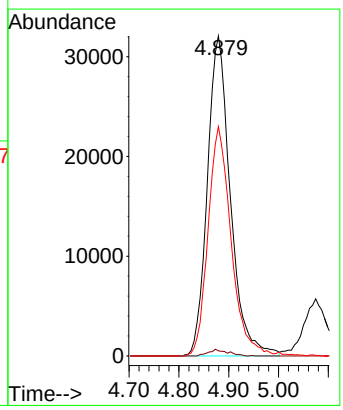
Reviewed By :Semsettin Yesilyurt 09/22/2025
Supervised By :Mahesh Dadoda 09/22/2025

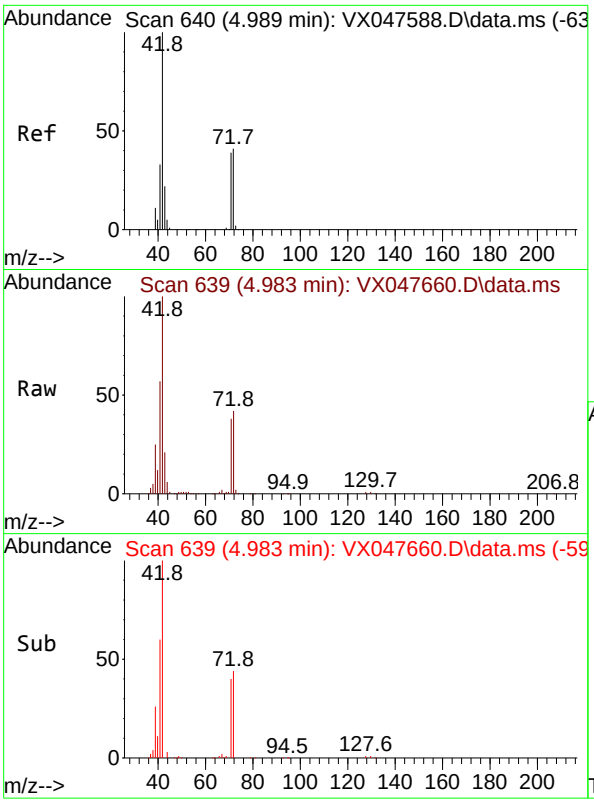


#28
Bromochloromethane
Concen: 55.493 ug/l
RT: 4.879 min Scan# 622
Delta R.T. -0.012 min
Lab File: VX047660.D
Acq: 19 Sep 2025 09:22

Tgt Ion: 49 Resp: 102961

Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.2
130	71.6	57.8	86.8

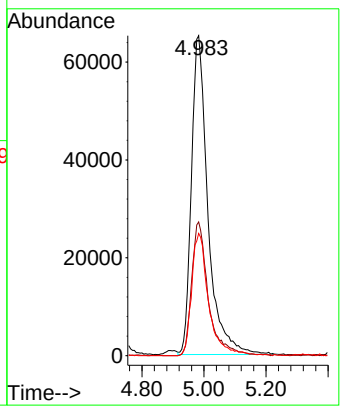




#29
Tetrahydrofuran
Concen: 275.412 ug/l
RT: 4.983 min Scan# 6
Delta R.T. -0.006 min
Lab File: VX047660.D
Acq: 19 Sep 2025 09:22

Tgt Ion: 42 Resp: 24070

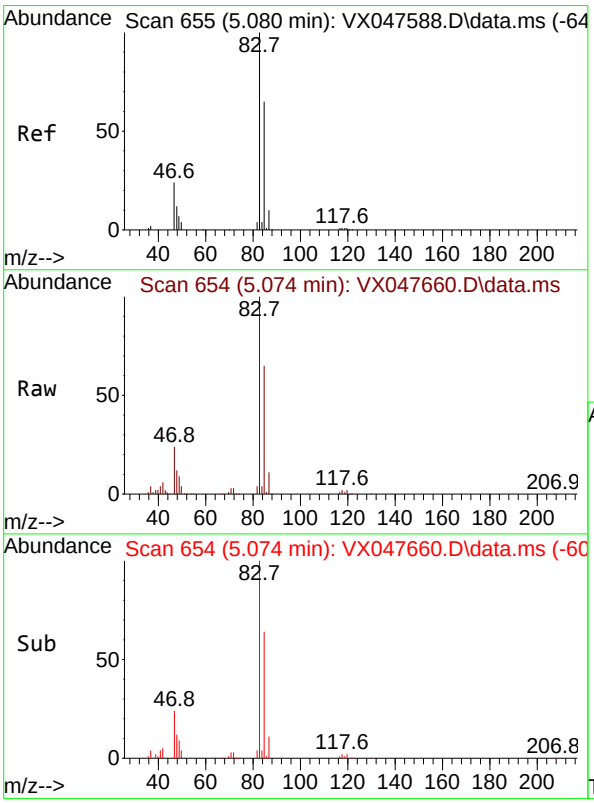
Ion	Ratio	Lower	Upper
42	100		
72	42.3	34.2	51.2
71	39.3	31.9	47.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

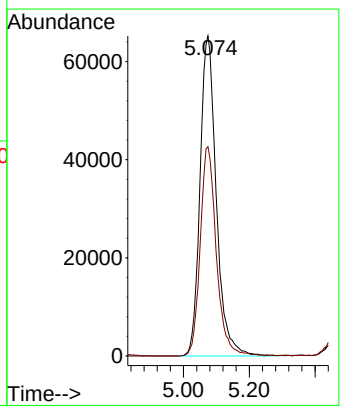
Reviewed By :Semsettin Yesilyurt 09/22/2025
Supervised By :Mahesh Dadoda 09/22/2025

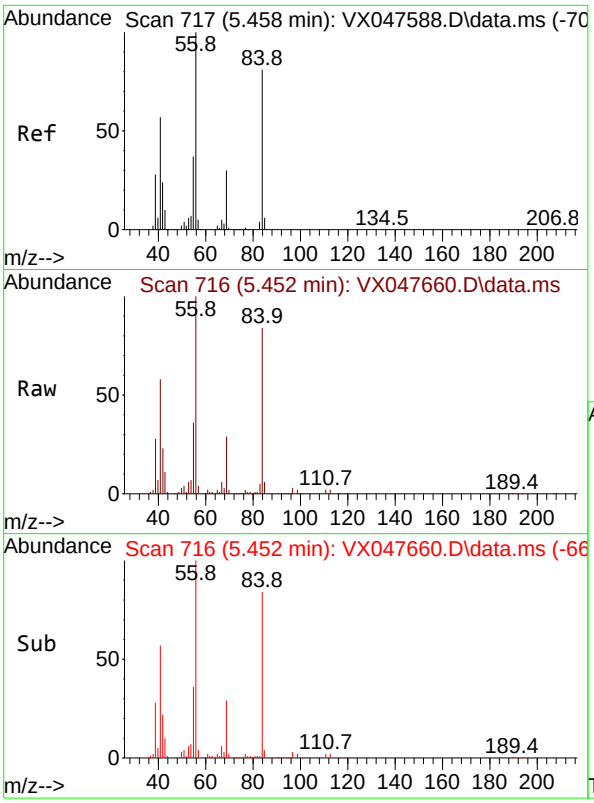


#30
Chloroform
Concen: 52.250 ug/l
RT: 5.074 min Scan# 654
Delta R.T. -0.006 min
Lab File: VX047660.D
Acq: 19 Sep 2025 09:22

Tgt Ion: 83 Resp: 224397

Ion	Ratio	Lower	Upper
83	100		
85	65.4	51.8	77.6

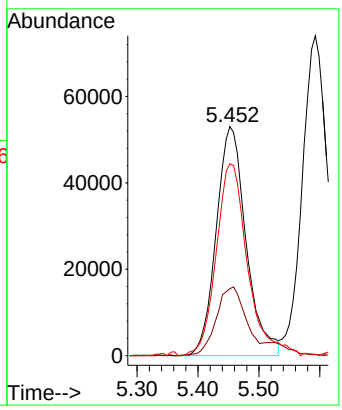




#31
Cyclohexane
Concen: 50.989 ug/l
RT: 5.452 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047660.D
Acq: 19 Sep 2025 09:22

Tgt Ion: 56 Resp: 18048

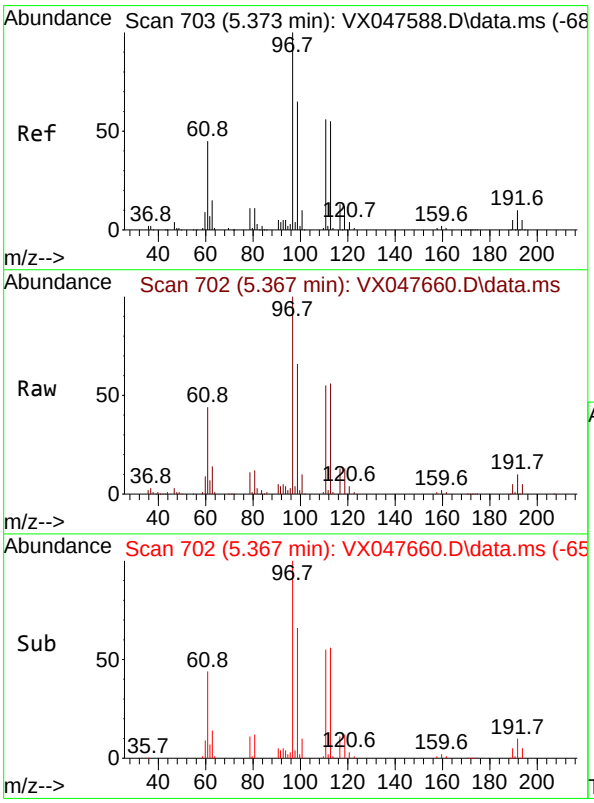
Ion	Ratio	Lower	Upper
56	100		
69	28.8	23.8	35.8
84	83.5	64.6	97.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

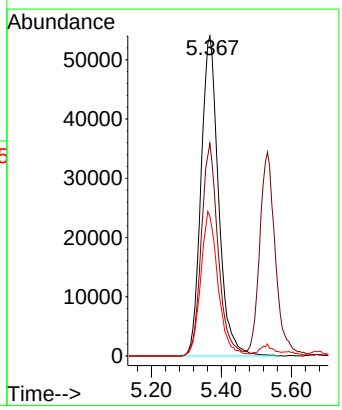
Reviewed By :Semsettin Yesilyurt 09/22/2025
Supervised By :Mahesh Dadoda 09/22/2025

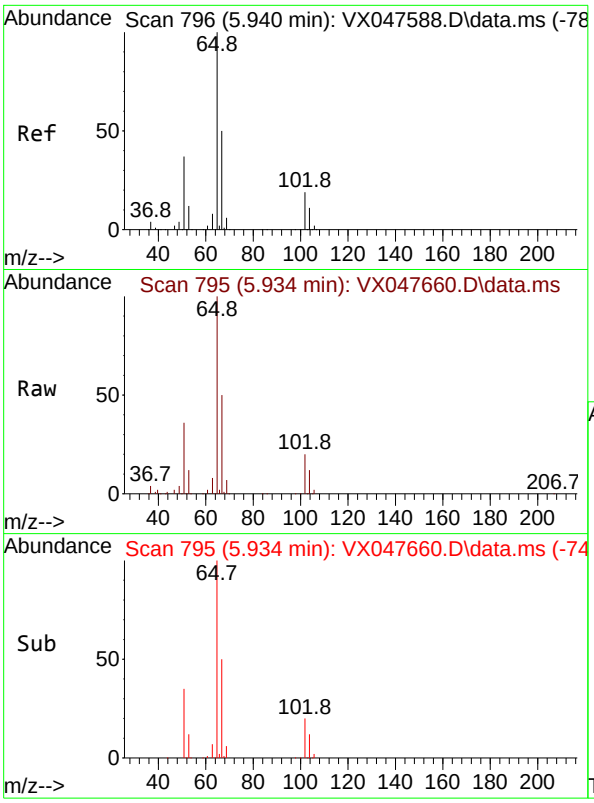


#32
1,1,1-Trichloroethane
Concen: 51.405 ug/l
RT: 5.367 min Scan# 702
Delta R.T. -0.006 min
Lab File: VX047660.D
Acq: 19 Sep 2025 09:22

Tgt Ion: 97 Resp: 187258

Ion	Ratio	Lower	Upper
97	100		
99	63.9	50.6	76.0
61	44.8	35.8	53.8

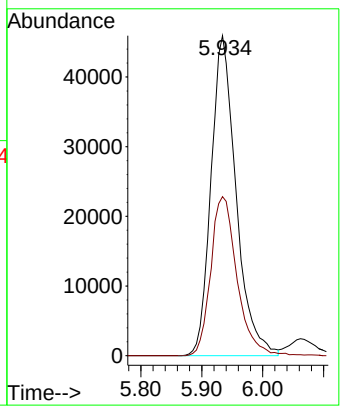




#33
1,2-Dichloroethane-d4
Concen: 48.921 ug/l
RT: 5.934 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047660.D
Acq: 19 Sep 2025 09:22

Tgt Ion: 65 Resp: 13104

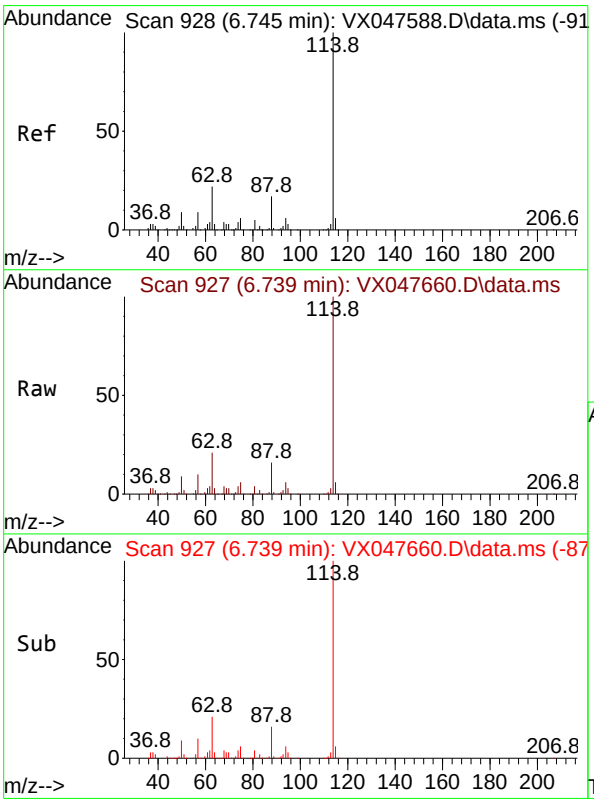
Ion	Ratio	Lower	Upper
65	100		
67	52.3	0.0	103.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

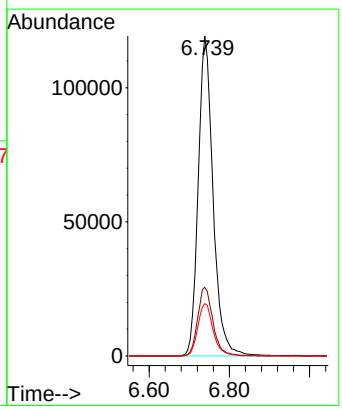
Reviewed By :Semsettin Yesilyurt 09/22/2025
Supervised By :Mahesh Dadoda 09/22/2025

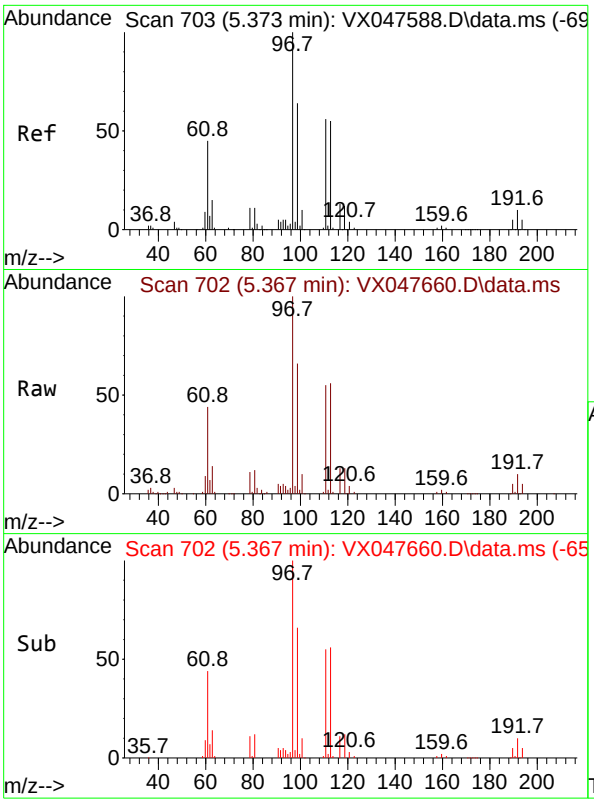


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.739 min Scan# 927
Delta R.T. -0.006 min
Lab File: VX047660.D
Acq: 19 Sep 2025 09:22

Tgt Ion:114 Resp: 306730

Ion	Ratio	Lower	Upper
114	100		
63	21.4	0.0	44.0
88	16.4	0.0	34.2

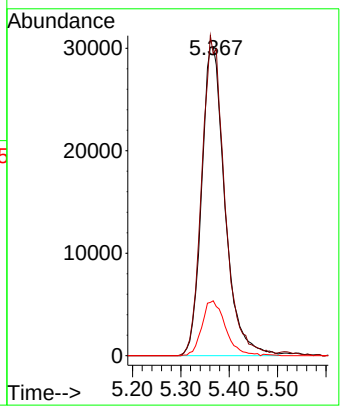




#35
Dibromofluoromethane
Concen: 48.985 ug/l
RT: 5.367 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047660.D
Acq: 19 Sep 2025 09:22

Tgt Ion:113 Resp: 10076

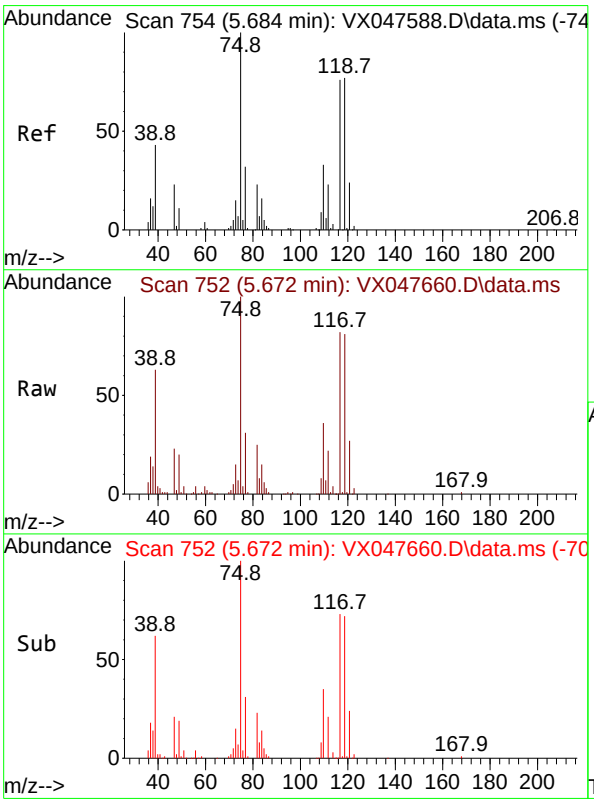
Ion	Ratio	Lower	Upper
113	100		
111	101.9	80.9	121.3
192	17.9	14.2	21.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

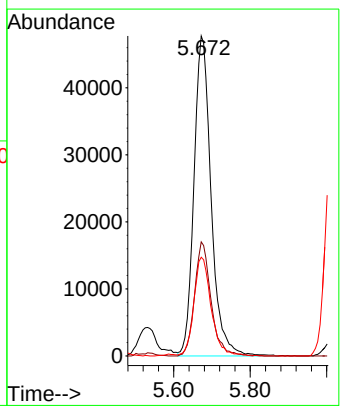
Reviewed By :Semsettin Yesilyurt 09/22/2025
Supervised By :Mahesh Dadoda 09/22/2025

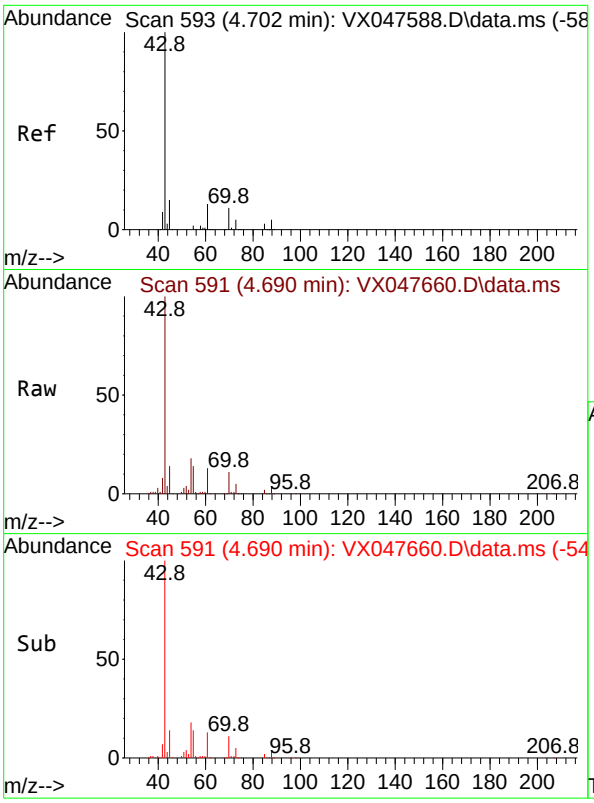


#36
1,1-Dichloropropene
Concen: 49.472 ug/l
RT: 5.672 min Scan# 752
Delta R.T. -0.012 min
Lab File: VX047660.D
Acq: 19 Sep 2025 09:22

Tgt Ion: 75 Resp: 148709

Ion	Ratio	Lower	Upper
75	100		
110	34.2	16.7	50.1
77	31.1	24.3	36.5

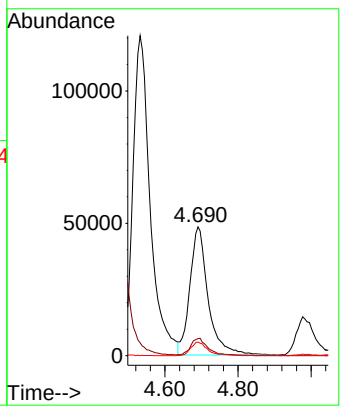




#37
Ethyl Acetate
Concen: 52.177 ug/l
RT: 4.690 min Scan# 5
Delta R.T. -0.012 min
Lab File: VX047660.D
Acq: 19 Sep 2025 09:22

Tgt Ion: 43 Resp: 16793

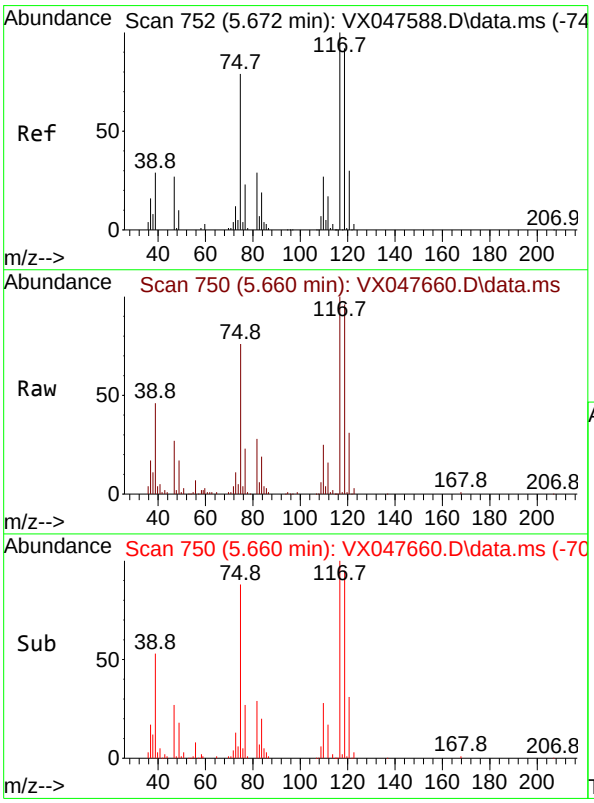
Ion	Ratio	Lower	Upper
43	100		
61	13.5	9.8	14.8
70	9.9	7.9	11.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

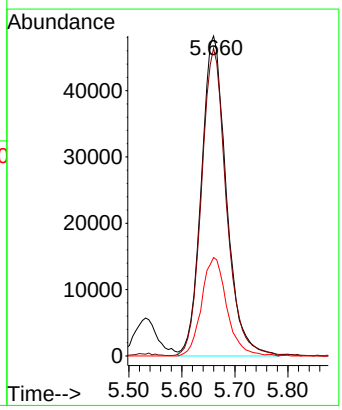
Reviewed By :Semsettin Yesilyurt 09/22/2025
Supervised By :Mahesh Dadoda 09/22/2025

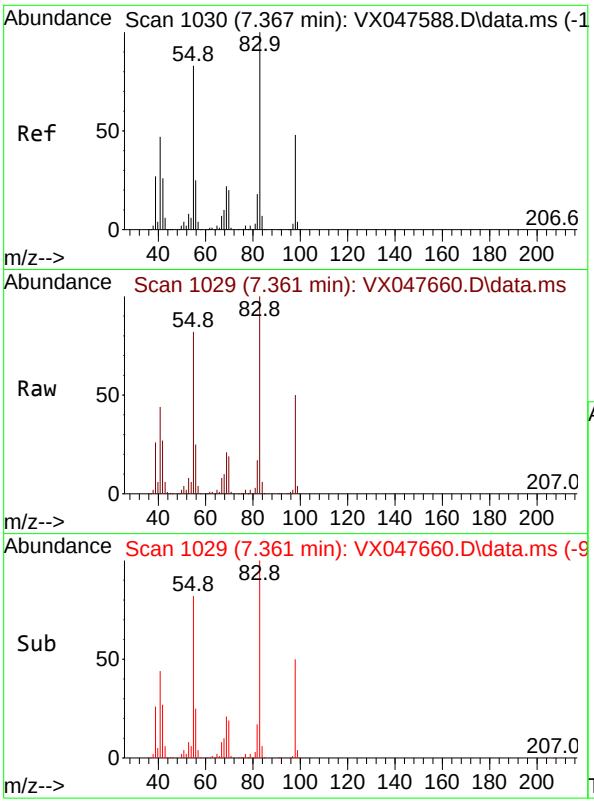


#38
Carbon Tetrachloride
Concen: 48.399 ug/l
RT: 5.660 min Scan# 750
Delta R.T. -0.012 min
Lab File: VX047660.D
Acq: 19 Sep 2025 09:22

Tgt Ion:117 Resp: 158068

Ion	Ratio	Lower	Upper
117	100		
119	95.7	73.4	110.2
121	30.7	23.8	35.6

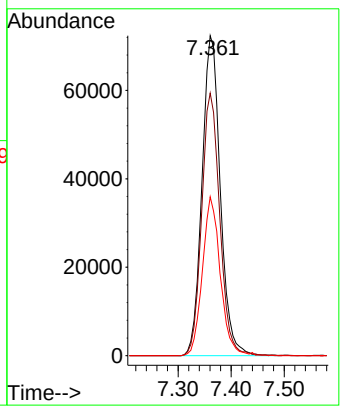




#39
Methylcyclohexane
Concen: 50.798 ug/l
RT: 7.361 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047660.D
Acq: 19 Sep 2025 09:22

Tgt Ion: 83 Resp: 17332

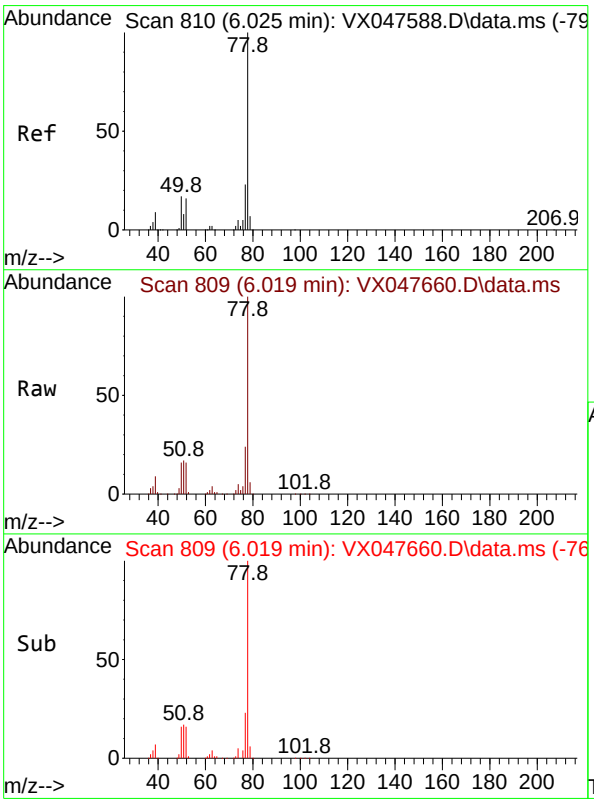
Ion	Ratio	Lower	Upper
83	100		
55	82.0	66.4	99.6
98	49.6	38.1	57.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

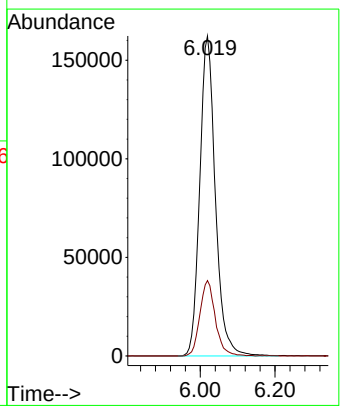
Reviewed By :Semsettin Yesilyurt 09/22/2025
Supervised By :Mahesh Dadoda 09/22/2025

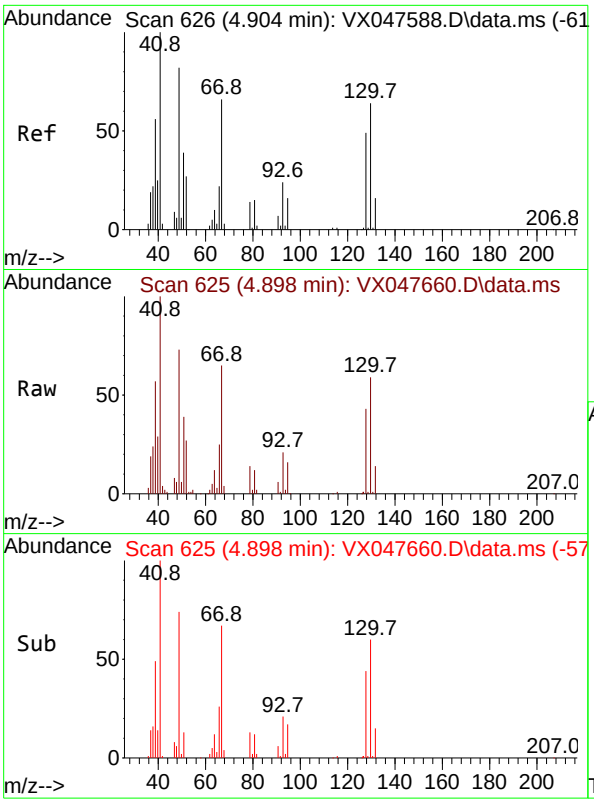


#40
Benzene
Concen: 51.478 ug/l
RT: 6.019 min Scan# 809
Delta R.T. -0.006 min
Lab File: VX047660.D
Acq: 19 Sep 2025 09:22

Tgt Ion: 78 Resp: 469978

Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.8	28.2

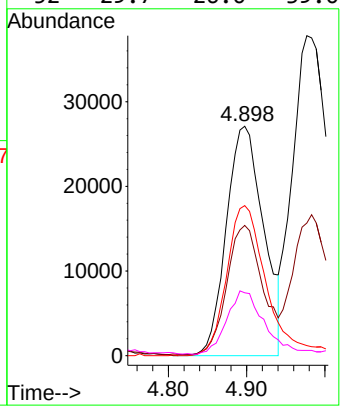




#41
Methacrylonitrile
Concen: 54.019 ug/l
RT: 4.898 min Scan# 6
Delta R.T. -0.006 min
Lab File: VX047660.D
Acq: 19 Sep 2025 09:22

Tgt Ion: 41 Resp: 8975

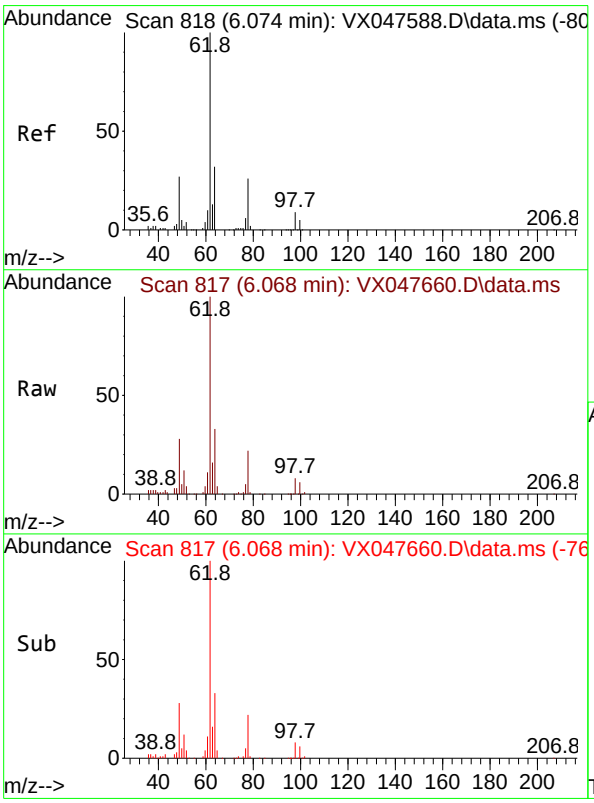
Ion	Ratio	Lower	Upper
41	100		
39	54.0	43.3	64.9
67	70.9	58.6	87.8
52	29.7	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

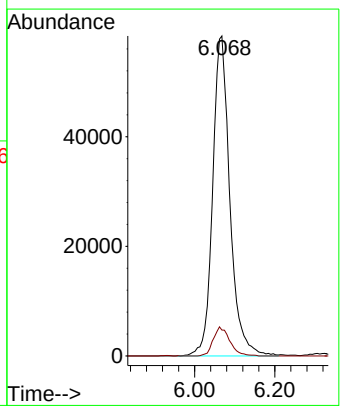
Reviewed By :Semsettin Yesilyurt 09/22/2025
Supervised By :Mahesh Dadoda 09/22/2025

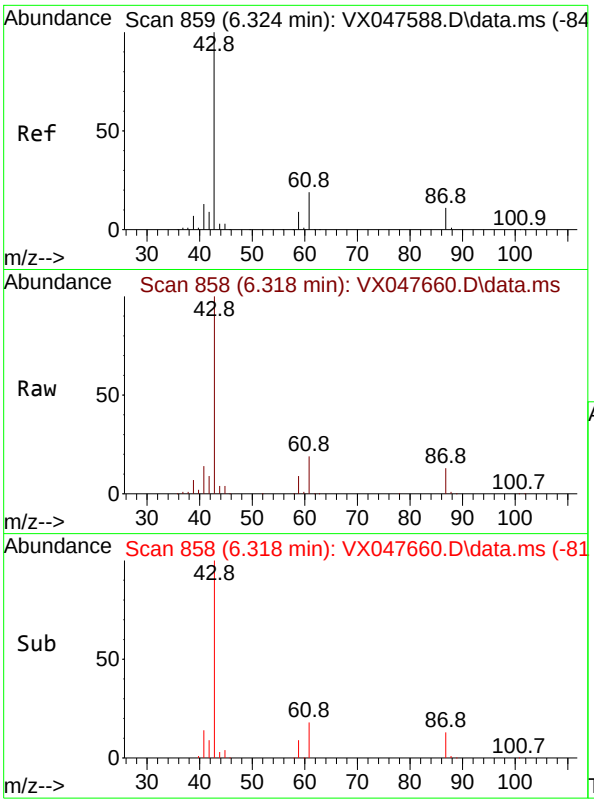


#42
1,2-Dichloroethane
Concen: 50.041 ug/l
RT: 6.068 min Scan# 817
Delta R.T. -0.006 min
Lab File: VX047660.D
Acq: 19 Sep 2025 09:22

Tgt Ion: 62 Resp: 173829

Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	17.0

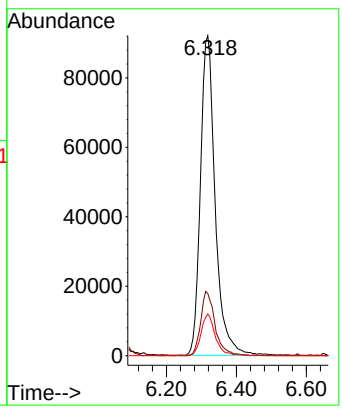




#43
Isopropyl Acetate
Concen: 51.124 ug/l
RT: 6.318 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX047660.D
Acq: 19 Sep 2025 09:22

Tgt Ion: 43 Resp: 26985

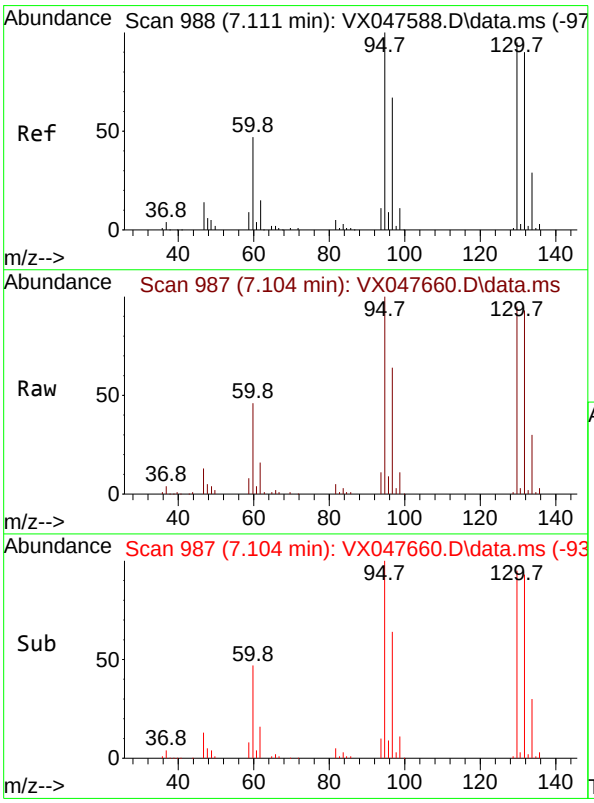
Ion	Ratio	Lower	Upper
43	100		
61	19.6	15.2	22.8
87	12.5	9.6	14.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

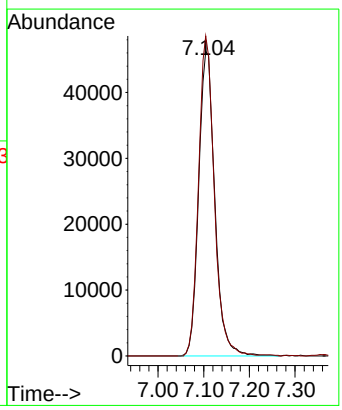
Reviewed By :Semsettin Yesilyurt 09/22/2025
Supervised By :Mahesh Dadoda 09/22/2025

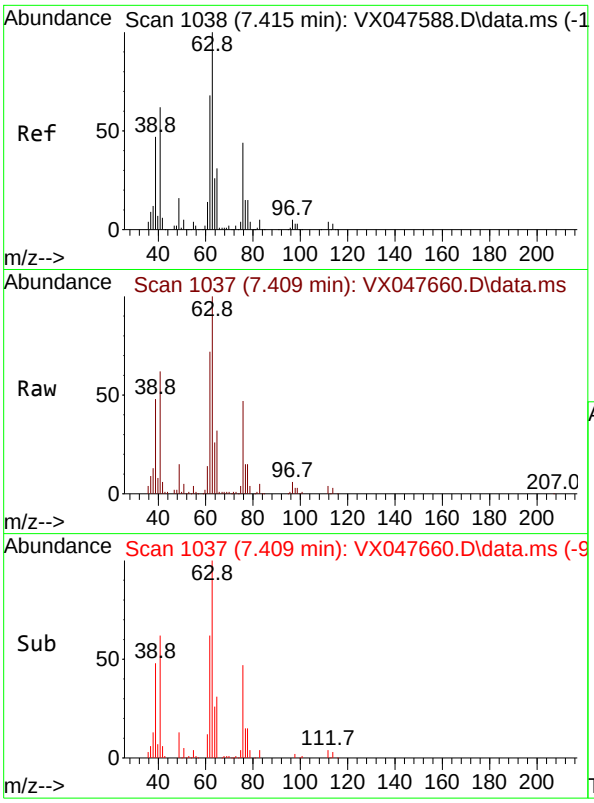


#44
Trichloroethene
Concen: 51.491 ug/l
RT: 7.104 min Scan# 987
Delta R.T. -0.006 min
Lab File: VX047660.D
Acq: 19 Sep 2025 09:22

Tgt Ion:130 Resp: 113653

Ion	Ratio	Lower	Upper
130	100		
95	105.1	0.0	210.8

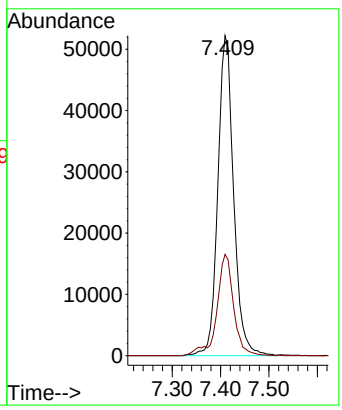




#45
1,2-Dichloropropane
Concen: 50.706 ug/l
RT: 7.409 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047660.D
Acq: 19 Sep 2025 09:22

Tgt Ion: 63 Resp: 11854

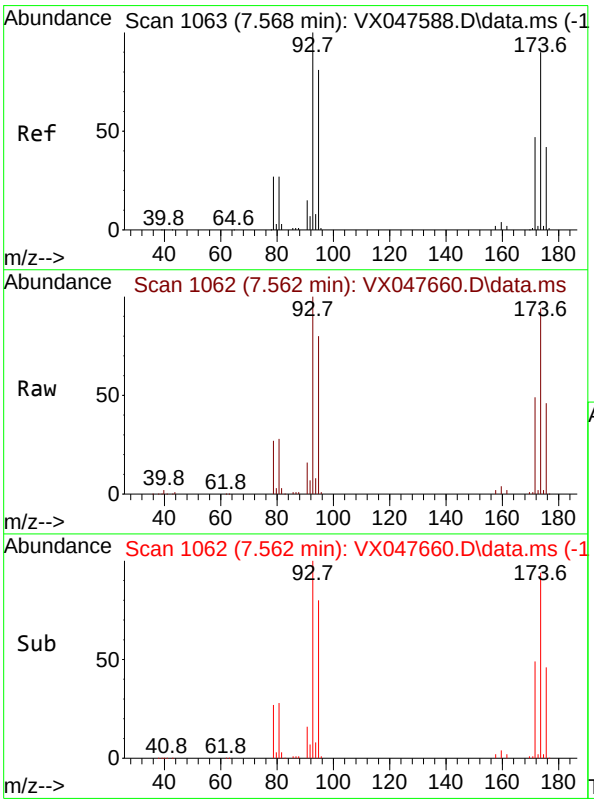
Ion	Ratio	Lower	Upper
63	100		
65	31.6	24.7	37.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

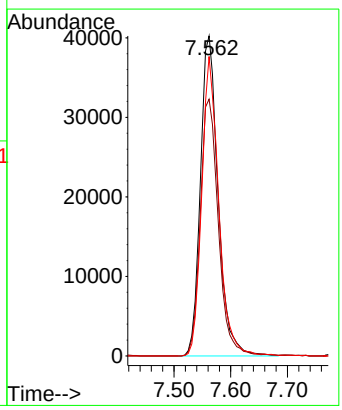
Reviewed By :Semsettin Yesilyurt 09/22/2025
Supervised By :Mahesh Dadoda 09/22/2025

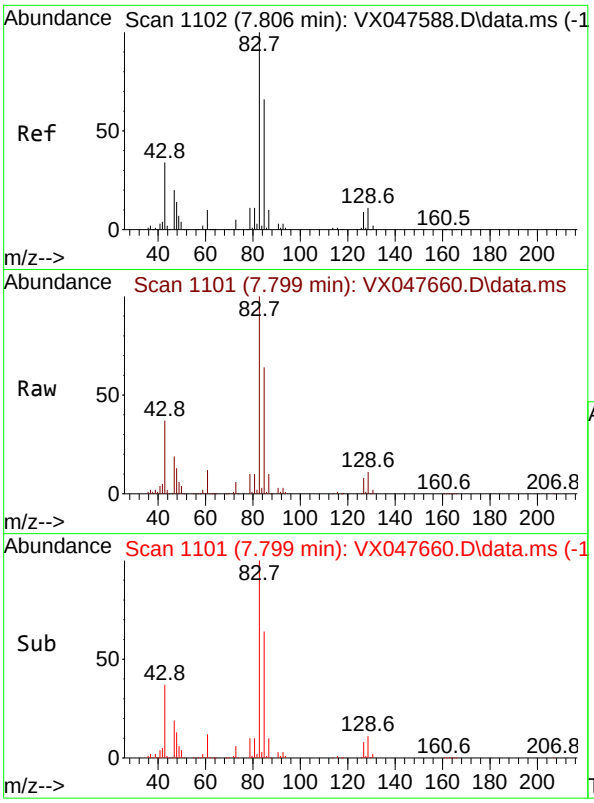


#46
Dibromomethane
Concen: 51.314 ug/l
RT: 7.562 min Scan# 1062
Delta R.T. -0.006 min
Lab File: VX047660.D
Acq: 19 Sep 2025 09:22

Tgt Ion: 93 Resp: 87295

Ion	Ratio	Lower	Upper
93	100		
95	82.0	65.0	97.6
174	90.0	71.6	107.4

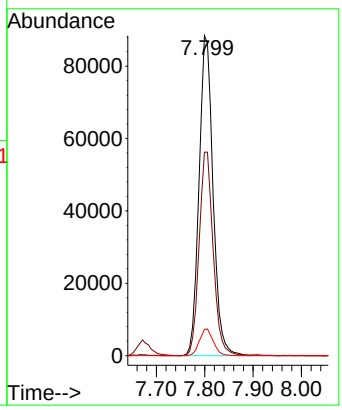




#47
Bromodichloromethane
Concen: 50.681 ug/l
RT: 7.799 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047660.D
Acq: 19 Sep 2025 09:22

Tgt Ion: 83 Resp: 17791

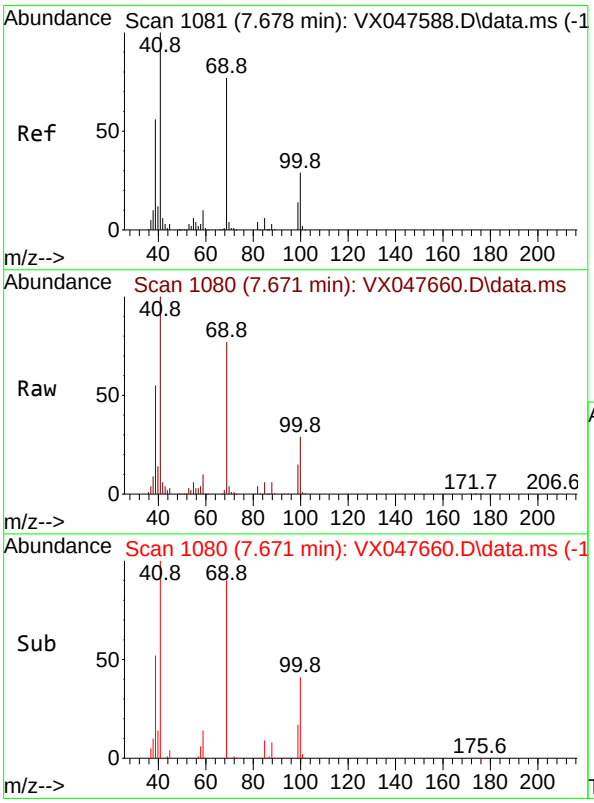
Ion	Ratio	Lower	Upper
83	100		
85	63.6	52.5	78.7
127	8.2	6.9	10.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

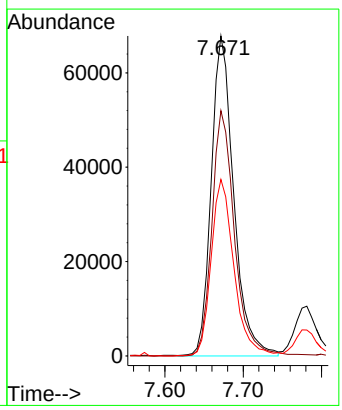
Reviewed By :Semsettin Yesilyurt 09/22/2025
Supervised By :Mahesh Dadoda 09/22/2025

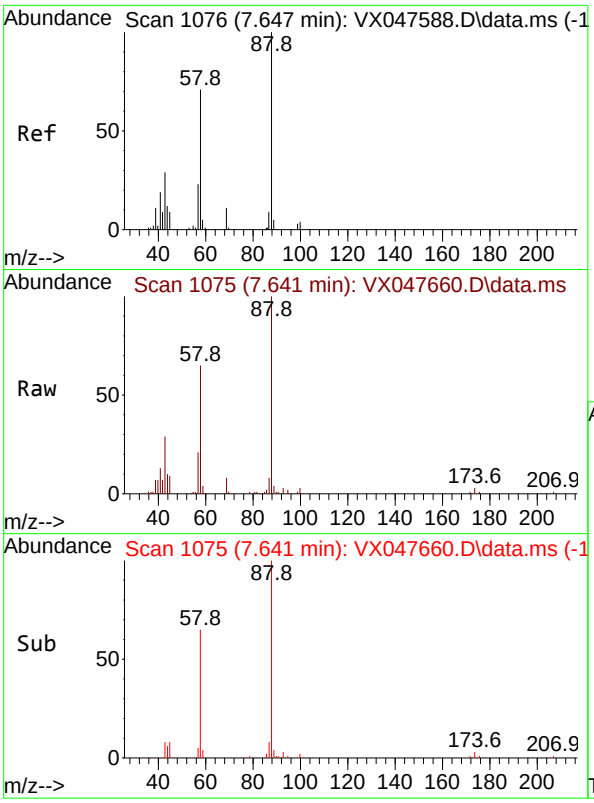


#48
Methyl methacrylate
Concen: 51.542 ug/l
RT: 7.671 min Scan# 1080
Delta R.T. -0.006 min
Lab File: VX047660.D
Acq: 19 Sep 2025 09:22

Tgt Ion: 41 Resp: 135518

Ion	Ratio	Lower	Upper
41	100		
69	77.2	61.4	92.2
39	55.7	45.8	68.6

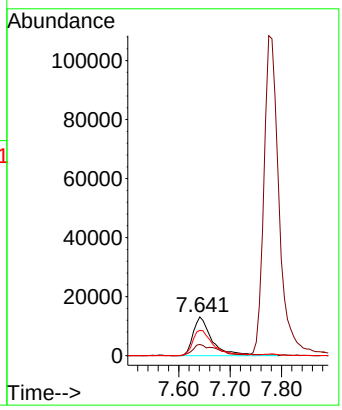




#49
1,4-Dioxane
Concen: 1265.071 ug/l
RT: 7.641 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047660.D
Acq: 19 Sep 2025 09:22

Tgt Ion: 88 Resp: 3361

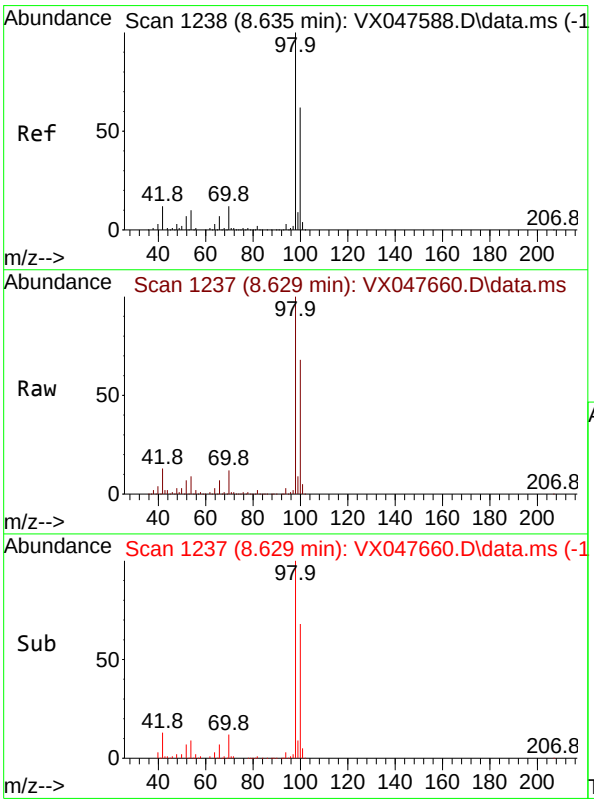
Ion	Ratio	Lower	Upper
88	100		
43	37.3	30.2	45.2
58	72.3	59.5	89.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

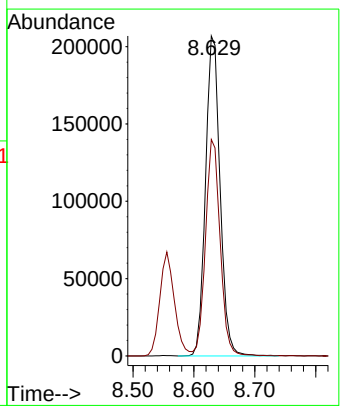
Reviewed By :Semsettin Yesilyurt 09/22/2025
Supervised By :Mahesh Dadoda 09/22/2025

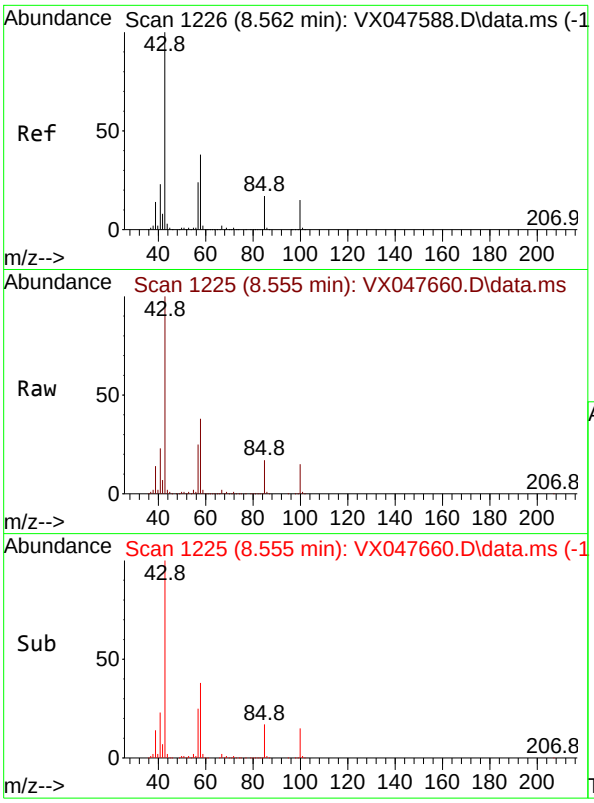


#50
Toluene-d8
Concen: 48.346 ug/l
RT: 8.629 min Scan# 1237
Delta R.T. -0.006 min
Lab File: VX047660.D
Acq: 19 Sep 2025 09:22

Tgt Ion: 98 Resp: 344123

Ion	Ratio	Lower	Upper
98	100		
100	67.6	53.0	79.4

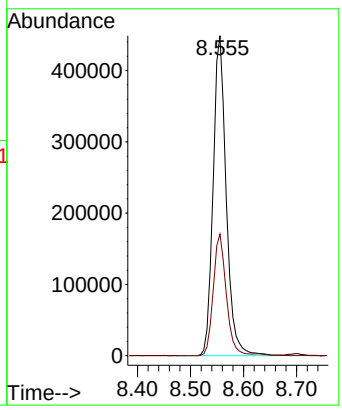




#51
4-Methyl-2-Pentanone
Concen: 263.992 ug/l
RT: 8.555 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047660.D
Acq: 19 Sep 2025 09:22

Tgt Ion: 43 Resp: 77260

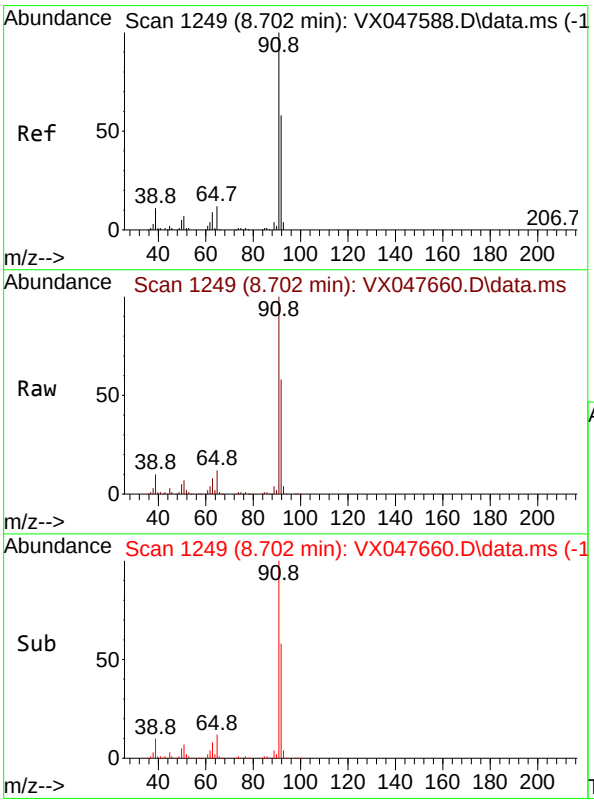
Ion	Ratio	Lower	Upper
43	100		
58	37.6	30.3	45.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

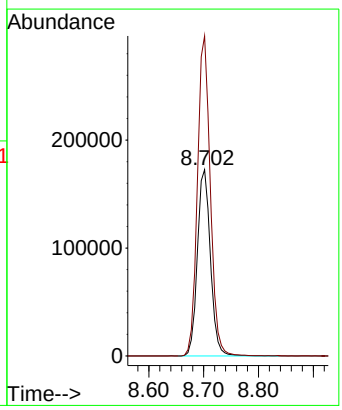
Reviewed By :Semsettin Yesilyurt 09/22/2025
Supervised By :Mahesh Dadoda 09/22/2025

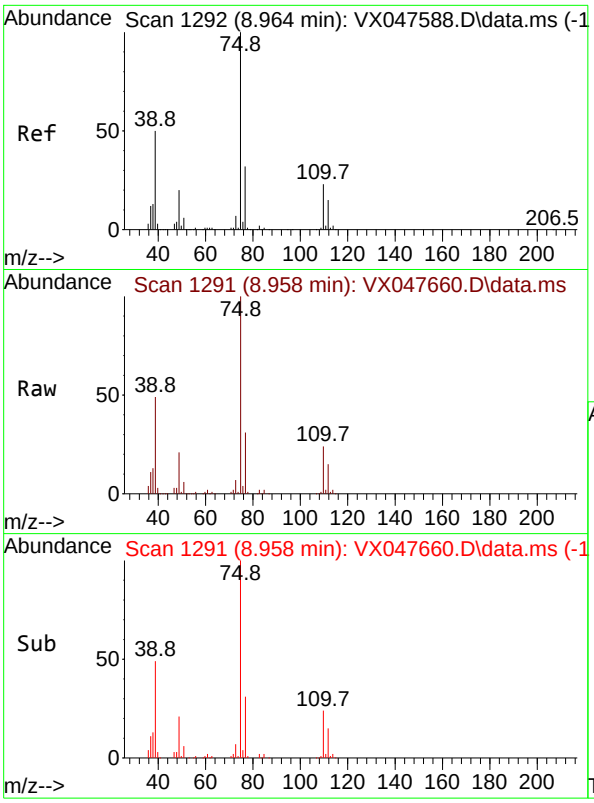


#52
Toluene
Concen: 50.732 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX047660.D
Acq: 19 Sep 2025 09:22

Tgt Ion: 92 Resp: 285358

Ion	Ratio	Lower	Upper
92	100		
91	169.5	137.1	205.7

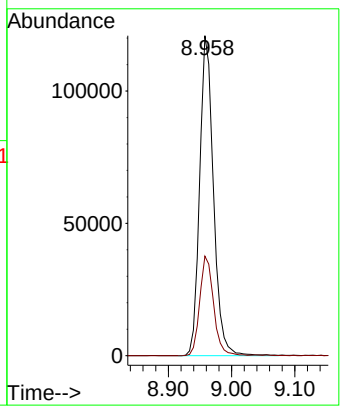




#53
t-1,3-Dichloropropene
Concen: 51.420 ug/l
RT: 8.958 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047660.D
Acq: 19 Sep 2025 09:22

Tgt Ion: 75 Resp: 18412

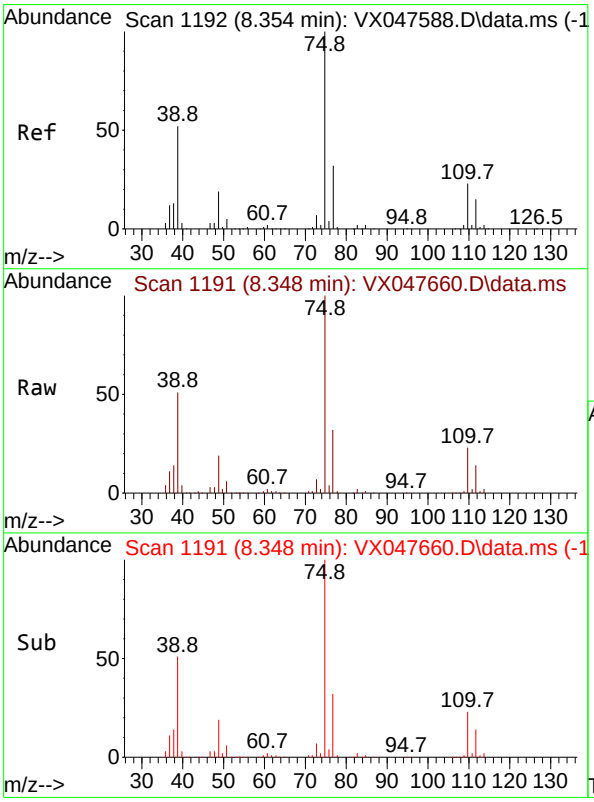
Ion	Ratio	Lower	Upper
75	100		
77	31.1	25.4	38.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

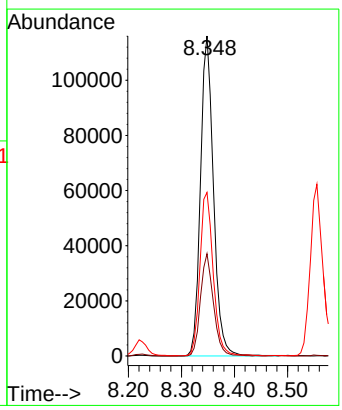
Reviewed By :Semsettin Yesilyurt 09/22/2025
Supervised By :Mahesh Dadoda 09/22/2025

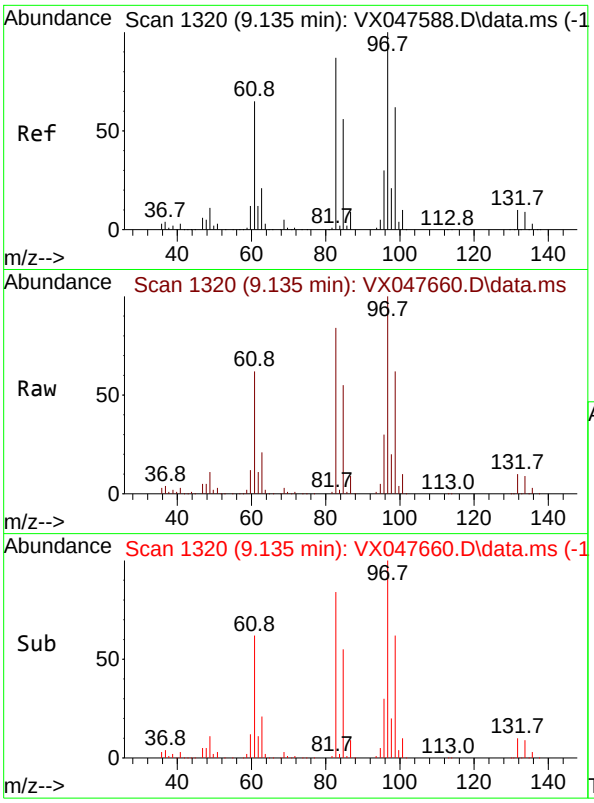


#54
cis-1,3-Dichloropropene
Concen: 51.767 ug/l
RT: 8.348 min Scan# 1191
Delta R.T. -0.006 min
Lab File: VX047660.D
Acq: 19 Sep 2025 09:22

Tgt Ion: 75 Resp: 198129

Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.8	38.6
39	51.0	41.4	62.2

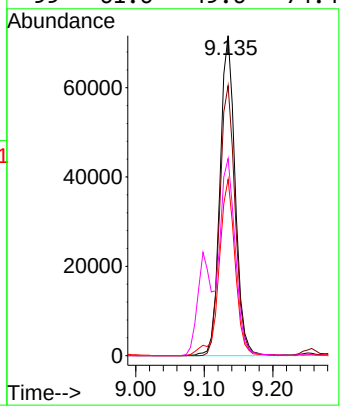




#55
1,1,2-Trichloroethane
Concen: 50.755 ug/l
RT: 9.135 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047660.D
Acq: 19 Sep 2025 09:22

Tgt Ion: 97 Resp: 11008

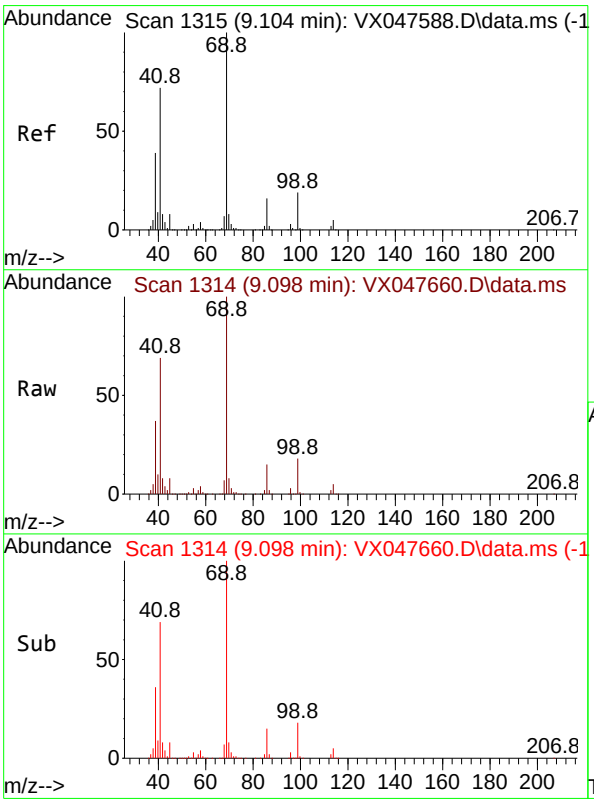
Ion	Ratio	Lower	Upper
97	100		
83	84.4	69.6	104.4
85	55.2	45.0	67.6
99	61.6	49.6	74.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

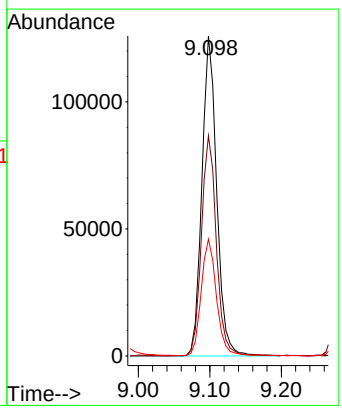
Reviewed By :Semsettin Yesilyurt 09/22/2025
Supervised By :Mahesh Dadoda 09/22/2025

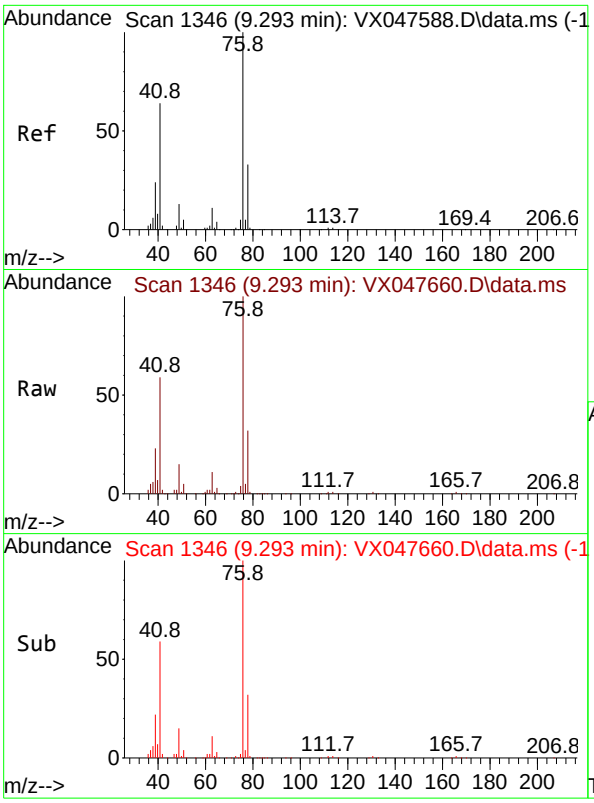


#56
Ethyl methacrylate
Concen: 53.155 ug/l
RT: 9.098 min Scan# 1314
Delta R.T. -0.006 min
Lab File: VX047660.D
Acq: 19 Sep 2025 09:22

Tgt Ion: 69 Resp: 181056

Ion	Ratio	Lower	Upper
69	100		
41	69.5	58.6	87.8
39	37.3	31.5	47.3

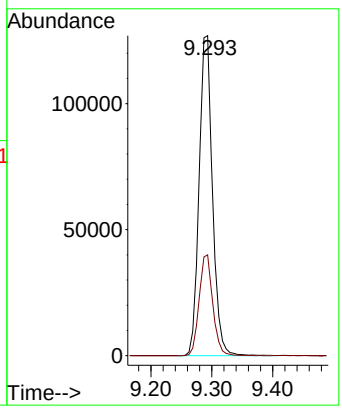




#57
1,3-Dichloropropane
Concen: 52.043 ug/l
RT: 9.293 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047660.D
Acq: 19 Sep 2025 09:22

Tgt Ion: 76 Resp: 19390

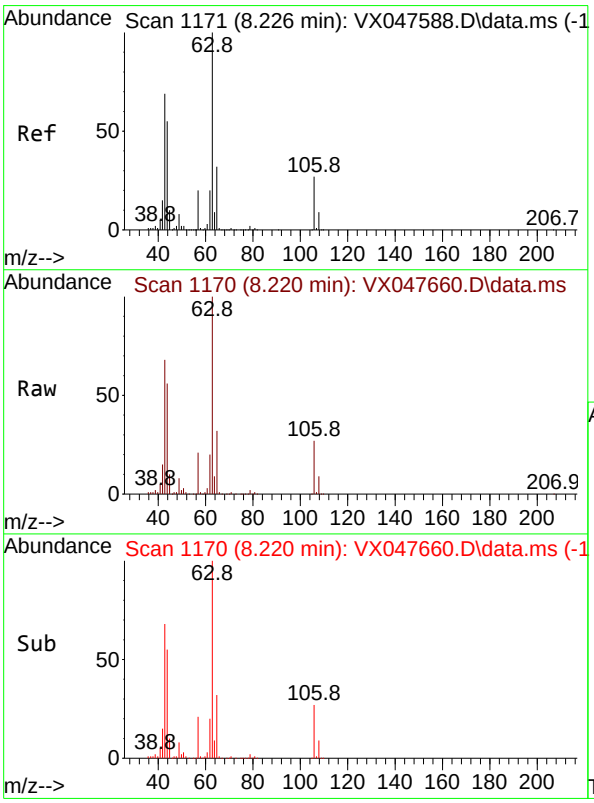
Ion	Ratio	Lower	Upper
76	100		
78	32.1	26.2	39.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

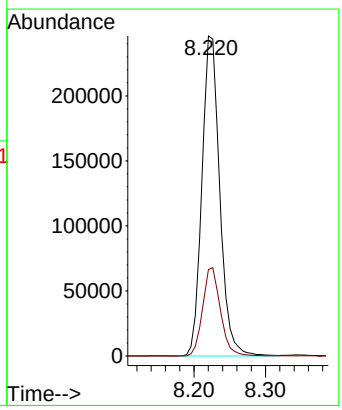
Reviewed By :Semsettin Yesilyurt 09/22/2025
Supervised By :Mahesh Dadoda 09/22/2025

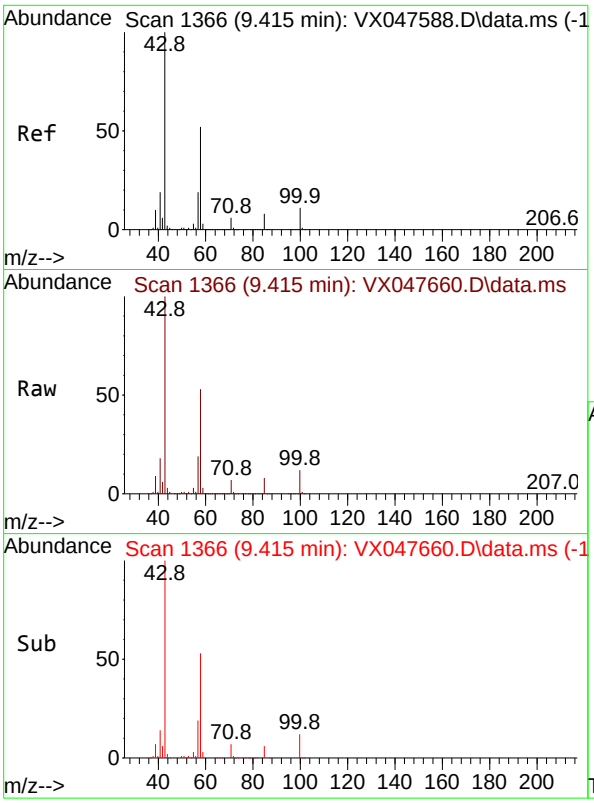


#58
2-Chloroethyl Vinyl ether
Concen: 261.332 ug/l
RT: 8.220 min Scan# 1170
Delta R.T. -0.006 min
Lab File: VX047660.D
Acq: 19 Sep 2025 09:22

Tgt Ion: 63 Resp: 426594

Ion	Ratio	Lower	Upper
63	100		
106	27.6	21.9	32.9





#59
2-Hexanone
Concen: 262.497 ug/l
RT: 9.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047660.D
Acq: 19 Sep 2025 09:22

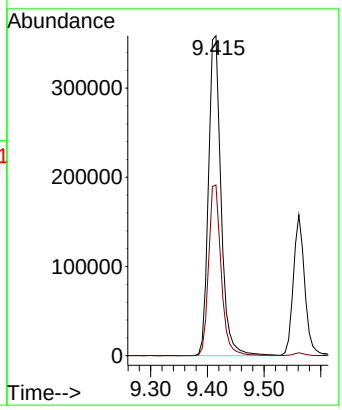
Tgt Ion: 43 Resp: 55174

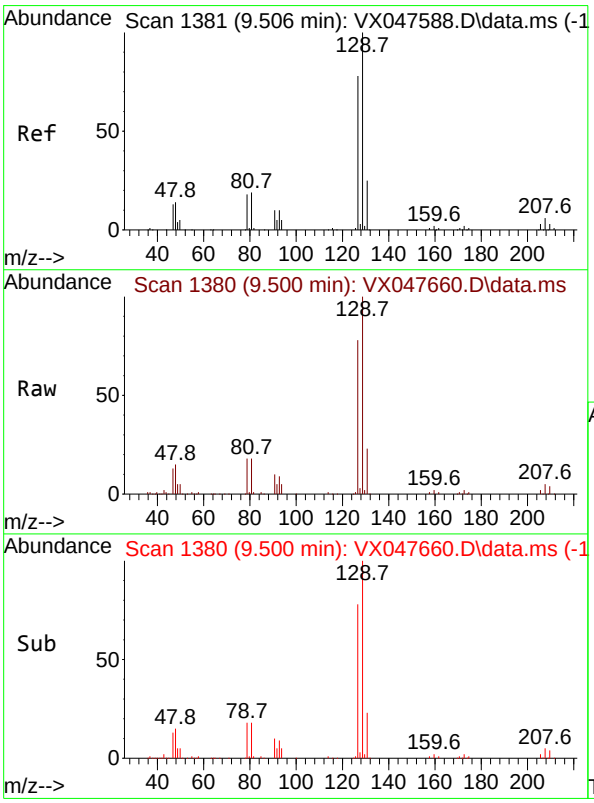
Ion	Ratio	Lower	Upper
43	100		
58	53.3	26.1	78.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 09/22/2025
Supervised By :Mahesh Dadoda 09/22/2025

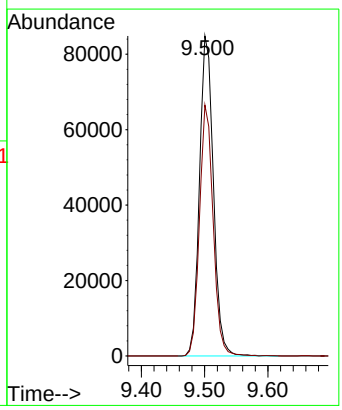


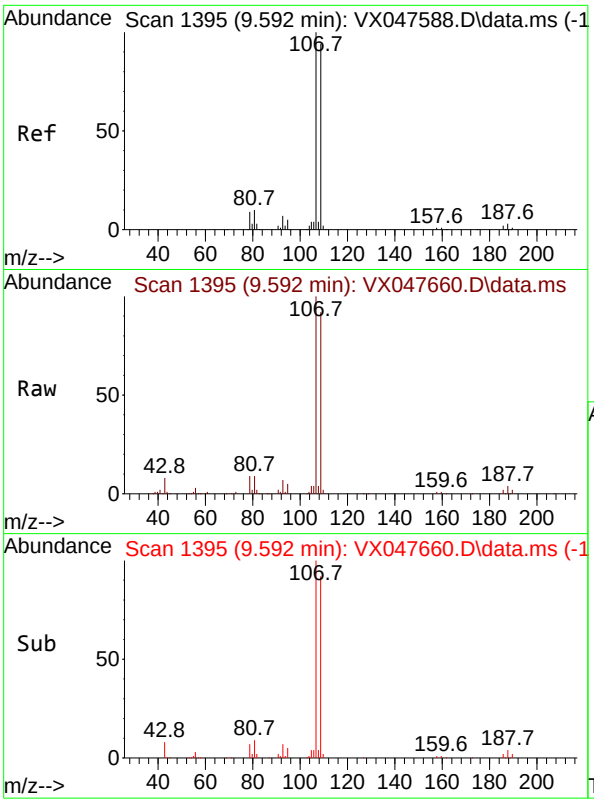


#60
Dibromochloromethane
Concen: 51.934 ug/l
RT: 9.500 min Scan# 1380
Delta R.T. -0.006 min
Lab File: VX047660.D
Acq: 19 Sep 2025 09:22

Tgt Ion:129 Resp: 129786

Ion	Ratio	Lower	Upper
129	100		
127	77.2	38.4	115.2

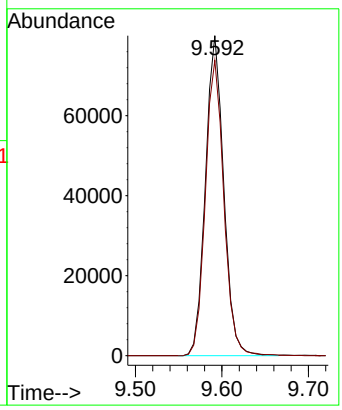




#61
1,2-Dibromoethane
Concen: 53.110 ug/l
RT: 9.592 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047660.D
Acq: 19 Sep 2025 09:22

Tgt Ion:107 Resp: 11732

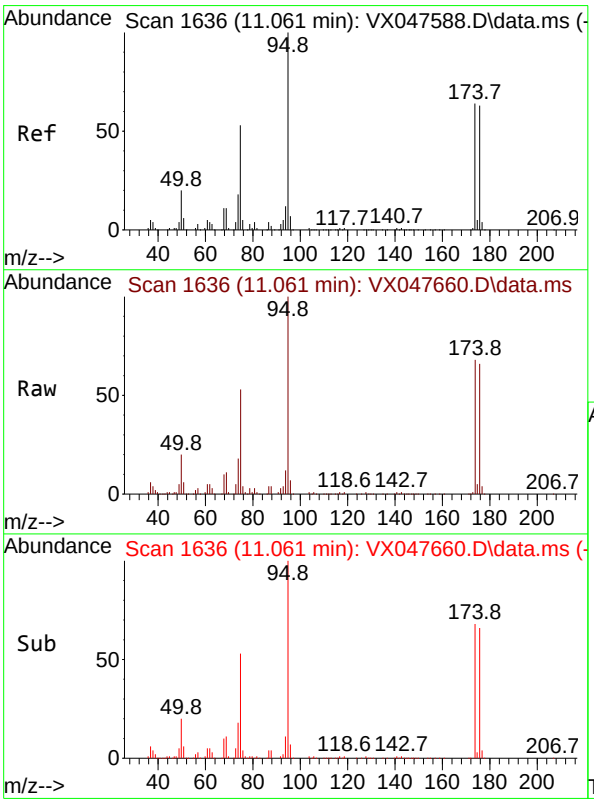
Ion	Ratio	Lower	Upper
107	100		
109	93.3	75.3	112.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

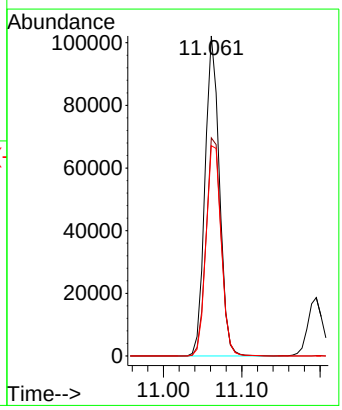
Reviewed By :Semsettin Yesilyurt 09/22/2025
Supervised By :Mahesh Dadoda 09/22/2025

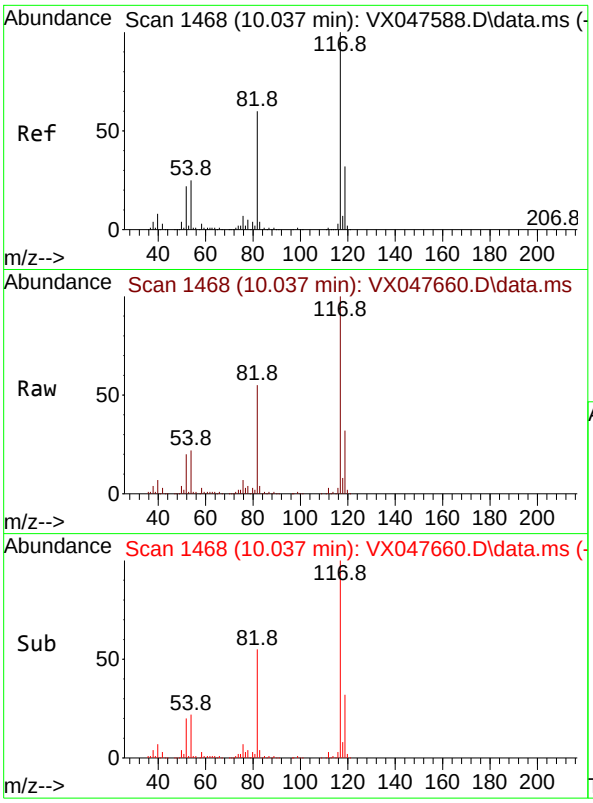


#62
4-Bromofluorobenzene
Concen: 48.202 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX047660.D
Acq: 19 Sep 2025 09:22

Tgt Ion: 95 Resp: 130212

Ion	Ratio	Lower	Upper
95	100		
174	71.4	0.0	141.6
176	69.3	0.0	138.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047660.D
Acq: 19 Sep 2025 09:22

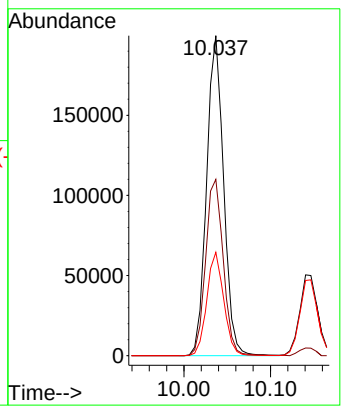
Tgt Ion:117 Resp: 27226

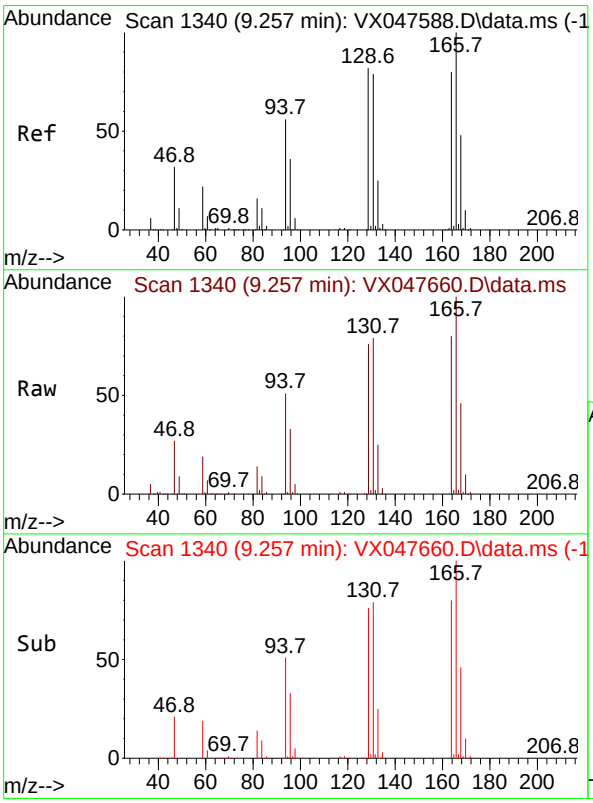
Ion	Ratio	Lower	Upper
117	100		
82	55.1	47.8	71.6
119	32.3	25.2	37.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 09/22/2025
Supervised By :Mahesh Dadoda 09/22/2025

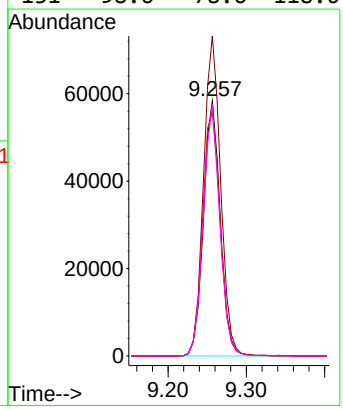


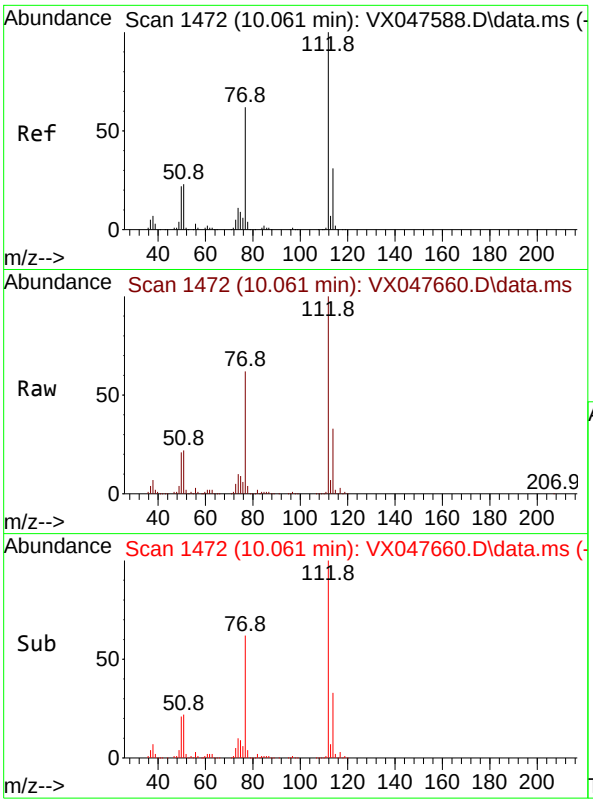


#64
Tetrachloroethene
Concen: 48.951 ug/l
RT: 9.257 min Scan# 1340
Delta R.T. 0.000 min
Lab File: VX047660.D
Acq: 19 Sep 2025 09:22

Tgt Ion:164 Resp: 86883

Ion	Ratio	Lower	Upper
164	100		
166	125.5	100.2	150.2
129	95.4	81.8	122.6
131	98.6	78.6	118.0

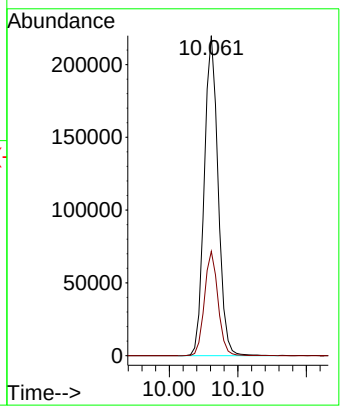




#65
Chlorobenzene
Concen: 49.899 ug/l
RT: 10.061 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047660.D
Acq: 19 Sep 2025 09:22

Tgt Ion:112 Resp: 30864

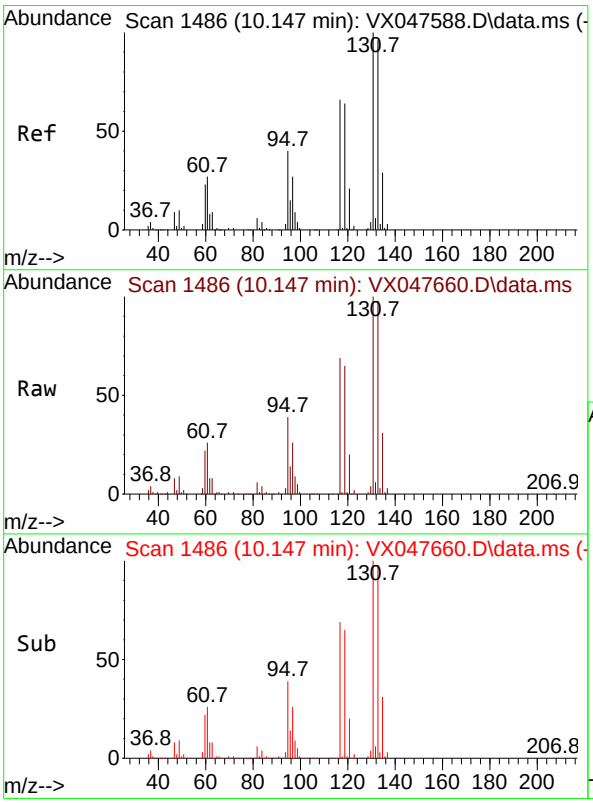
Ion	Ratio	Lower	Upper
112	100		
114	32.6	25.1	37.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

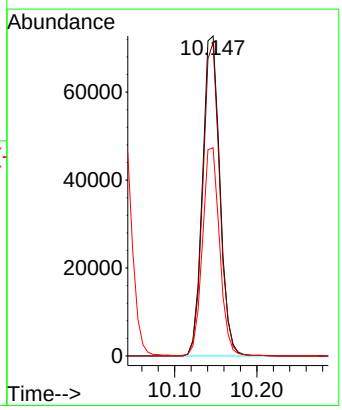
Reviewed By :Semsettin Yesilyurt 09/22/2025
Supervised By :Mahesh Dadoda 09/22/2025

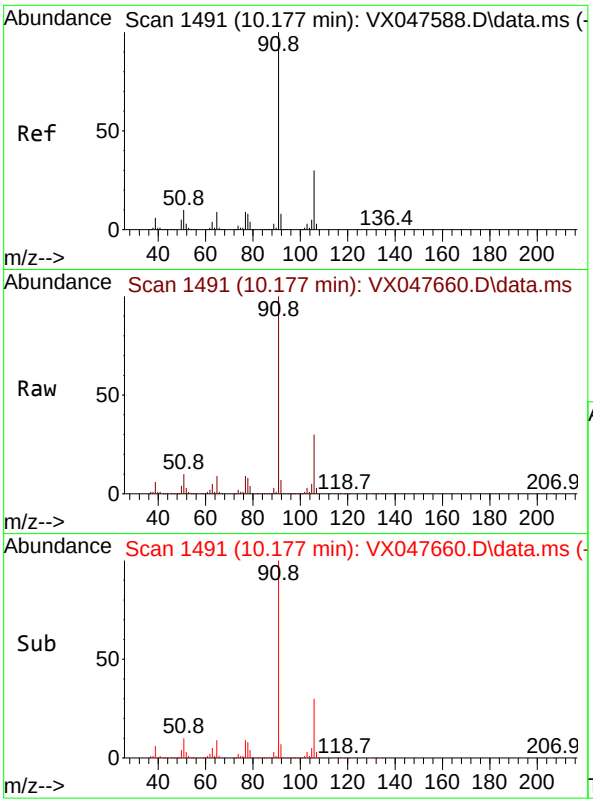


#66
1,1,1,2-Tetrachloroethane
Concen: 50.145 ug/l
RT: 10.147 min Scan# 1486
Delta R.T. 0.000 min
Lab File: VX047660.D
Acq: 19 Sep 2025 09:22

Tgt Ion:131 Resp: 107031

Ion	Ratio	Lower	Upper
131	100		
133	95.1	47.3	142.0
119	64.2	32.0	96.0





#67
Ethyl Benzene
Concen: 50.244 ug/l
RT: 10.177 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047660.D
Acq: 19 Sep 2025 09:22

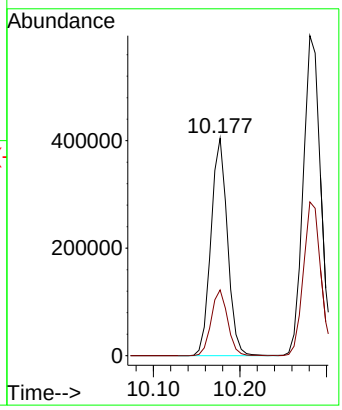
Tgt Ion: 91 Resp: 53622

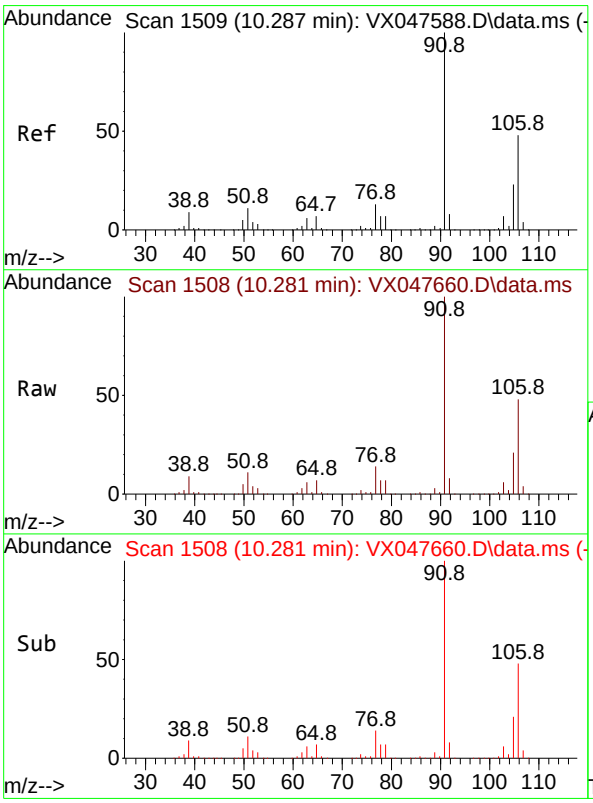
Ion	Ratio	Lower	Upper
91	100		
106	30.2	24.3	36.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 09/22/2025
Supervised By :Mahesh Dadoda 09/22/2025

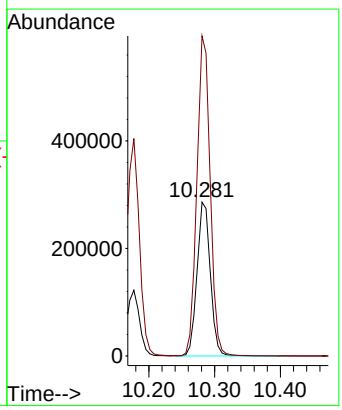


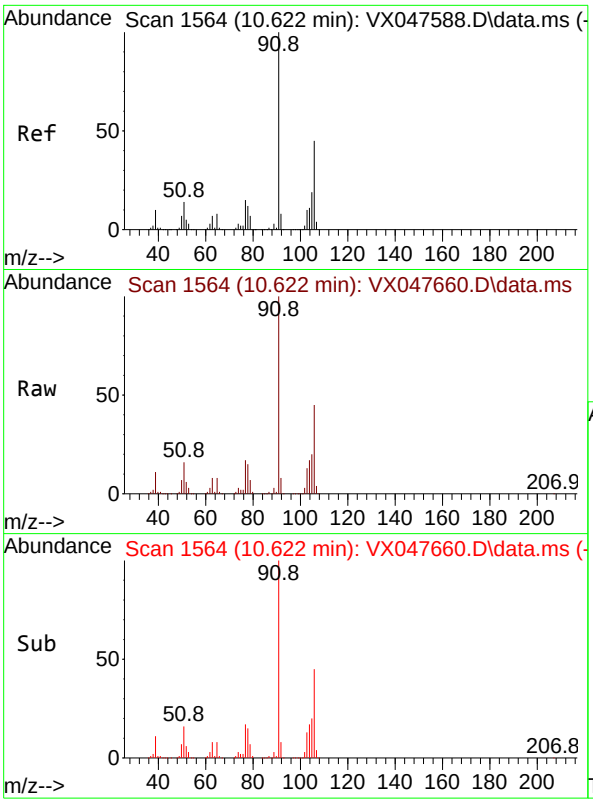


#68
m/p-Xylenes
Concen: 100.725 ug/l
RT: 10.281 min Scan# 1508
Delta R.T. -0.006 min
Lab File: VX047660.D
Acq: 19 Sep 2025 09:22

Tgt Ion:106 Resp: 400119

Ion	Ratio	Lower	Upper
106	100		
91	208.3	167.8	251.8

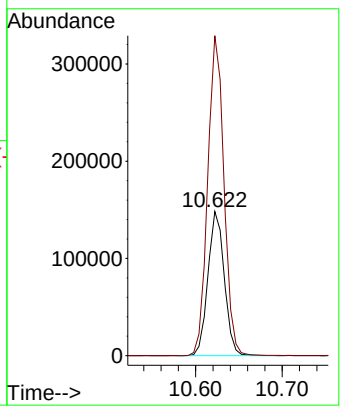




#69
o-Xylene
Concen: 50.618 ug/l
RT: 10.622 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047660.D
Acq: 19 Sep 2025 09:22

Tgt Ion:106 Resp: 19448

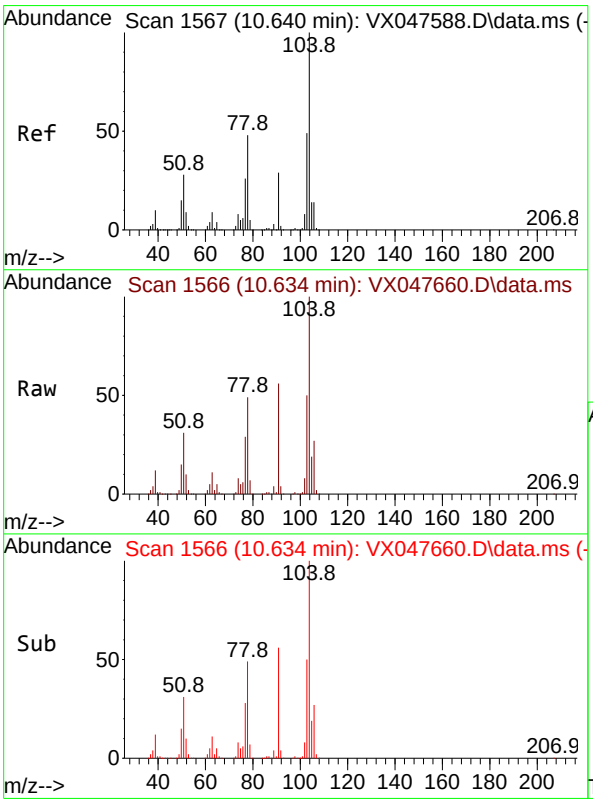
Ion	Ratio	Lower	Upper
106	100		
91	220.8	111.1	333.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

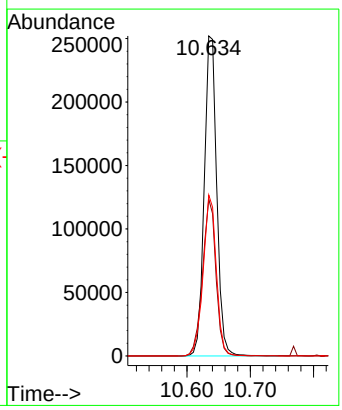
Reviewed By :Semsettin Yesilyurt 09/22/2025
Supervised By :Mahesh Dadoda 09/22/2025

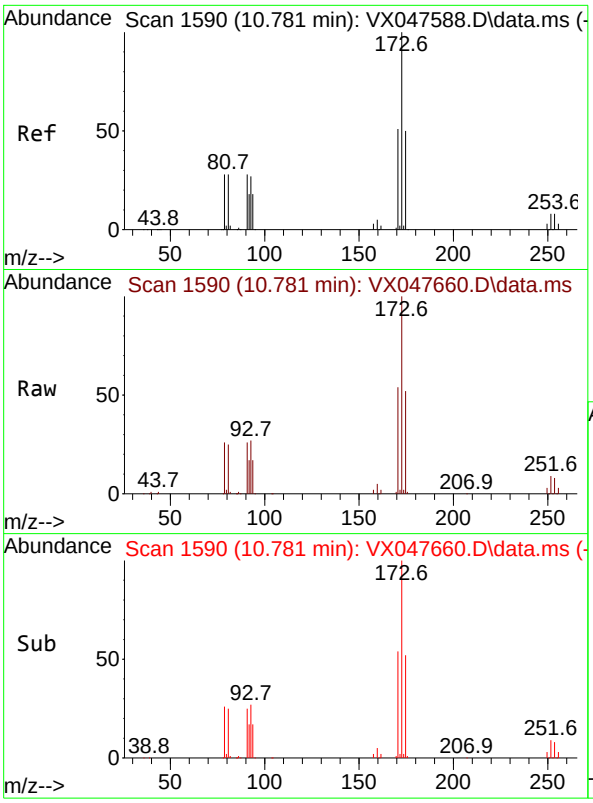


#70
Styrene
Concen: 51.440 ug/l
RT: 10.634 min Scan# 1566
Delta R.T. -0.006 min
Lab File: VX047660.D
Acq: 19 Sep 2025 09:22

Tgt Ion:104 Resp: 346312

Ion	Ratio	Lower	Upper
104	100		
78	52.4	43.1	64.7
103	53.1	43.1	64.7

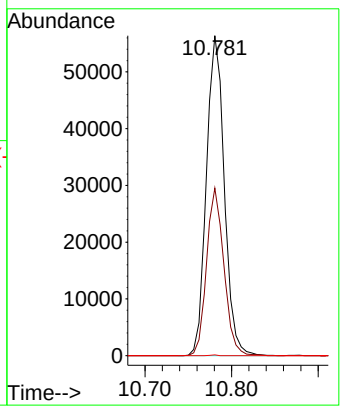




#71
Bromoform
Concen: 50.872 ug/l
RT: 10.781 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047660.D
Acq: 19 Sep 2025 09:22

Tgt Ion:173 Resp: 8107

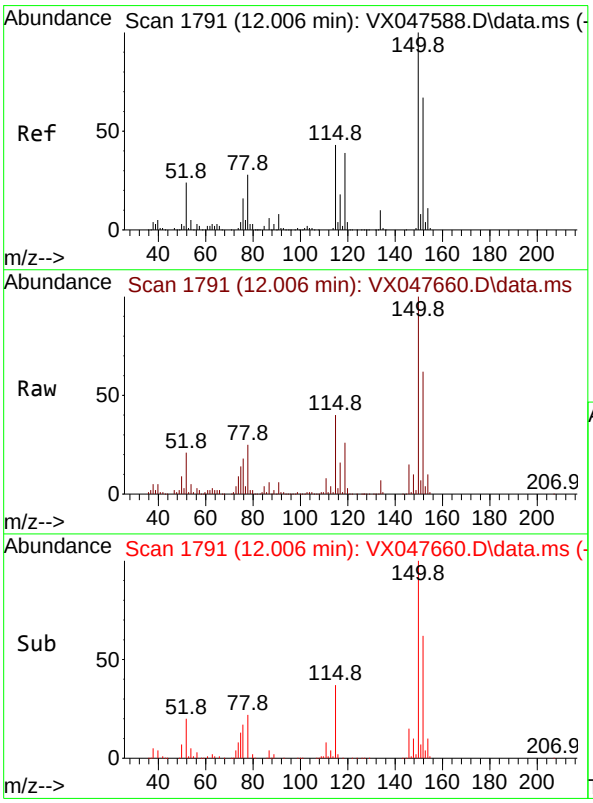
Ion	Ratio	Lower	Upper
173	100		
175	50.6	24.9	74.6
254	0.1	0.1	0.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

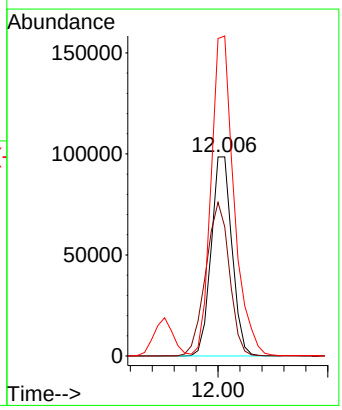
Reviewed By :Semsettin Yesilyurt 09/22/2025
Supervised By :Mahesh Dadoda 09/22/2025

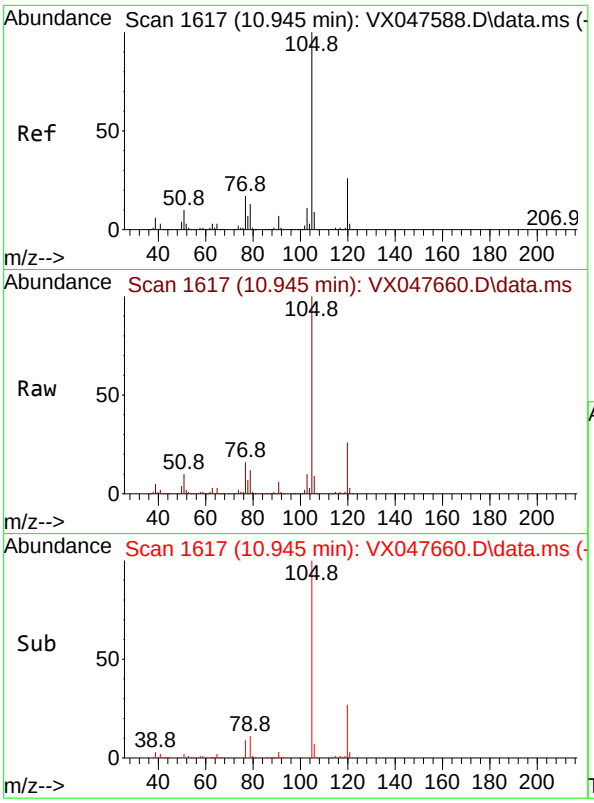


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047660.D
Acq: 19 Sep 2025 09:22

Tgt Ion:152 Resp: 129778

Ion	Ratio	Lower	Upper
152	100		
115	87.7	44.9	134.5
150	176.7	0.0	352.0

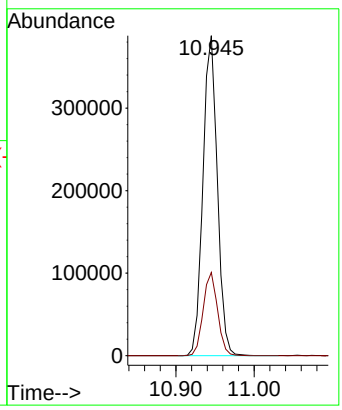




#73
Isopropylbenzene
Concen: 50.005 ug/l
RT: 10.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047660.D
Acq: 19 Sep 2025 09:22

Tgt Ion:105 Resp: 49337

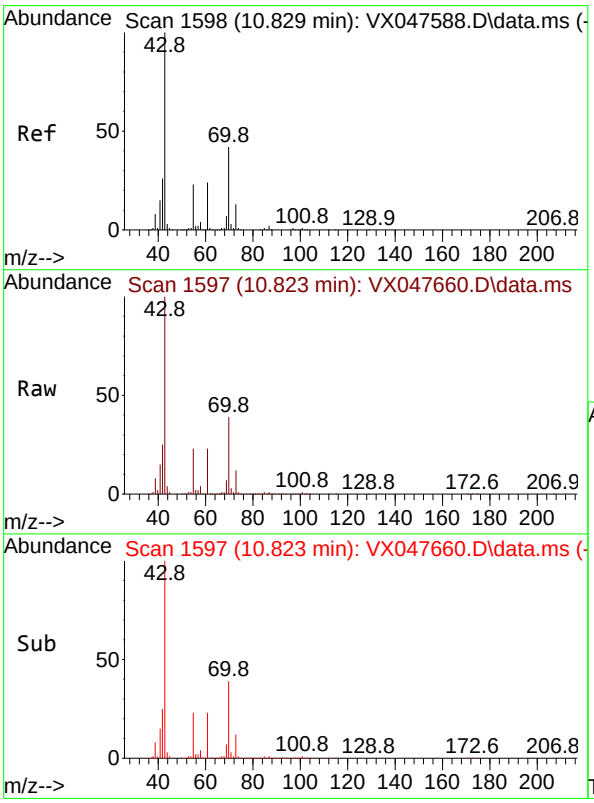
Ion	Ratio	Lower	Upper
105	100		
120	26.0	12.8	38.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

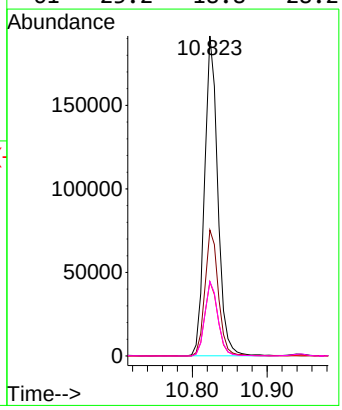
Reviewed By :Semsettin Yesilyurt 09/22/2025
Supervised By :Mahesh Dadoda 09/22/2025

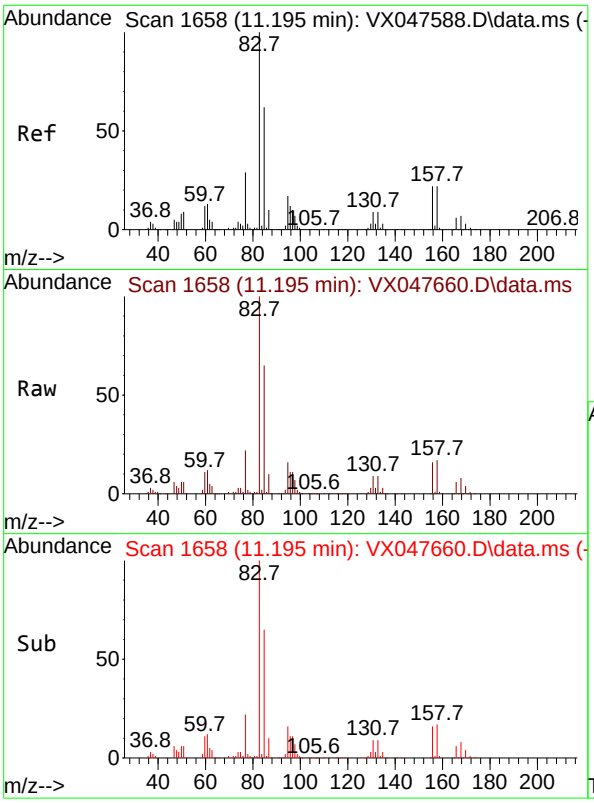


#74
N-amyl acetate
Concen: 52.208 ug/l
RT: 10.823 min Scan# 1597
Delta R.T. -0.006 min
Lab File: VX047660.D
Acq: 19 Sep 2025 09:22

Tgt Ion: 43 Resp: 234901

Ion	Ratio	Lower	Upper
43	100		
70	40.1	32.0	48.0
55	23.3	18.9	28.3
61	23.2	18.8	28.2

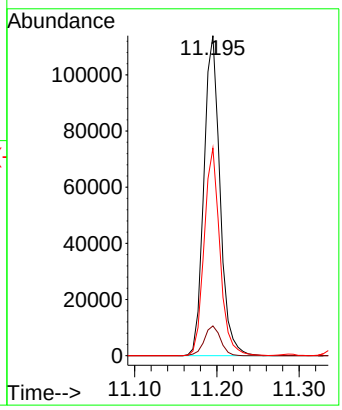




#75
1,1,2,2-Tetrachloroethane
Concen: 51.895 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047660.D
Acq: 19 Sep 2025 09:22

Tgt Ion: 83 Resp: 15491

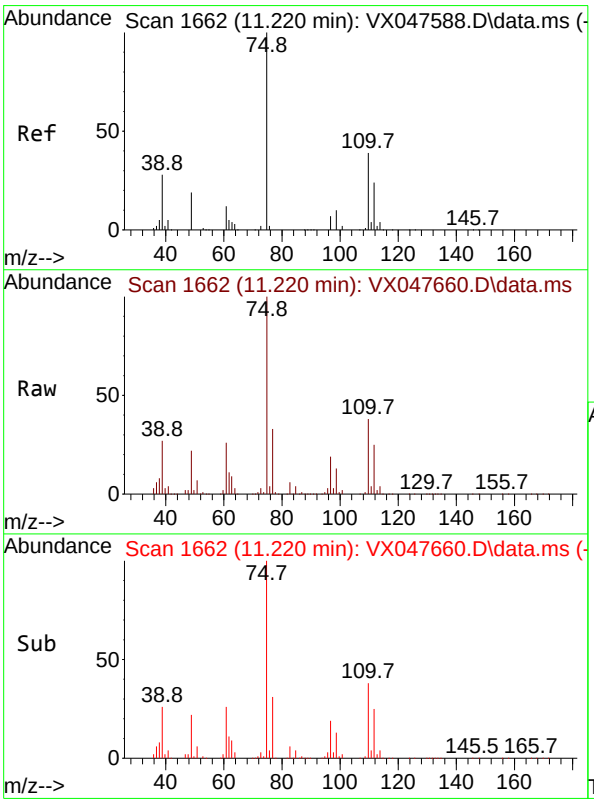
Ion	Ratio	Lower	Upper
83	100		
131	9.4	5.0	14.9
85	63.6	31.6	95.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

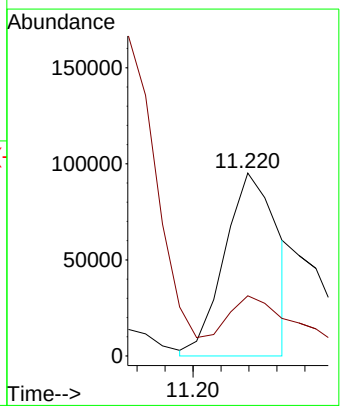
Reviewed By :Semsettin Yesilyurt 09/22/2025
Supervised By :Mahesh Dadoda 09/22/2025

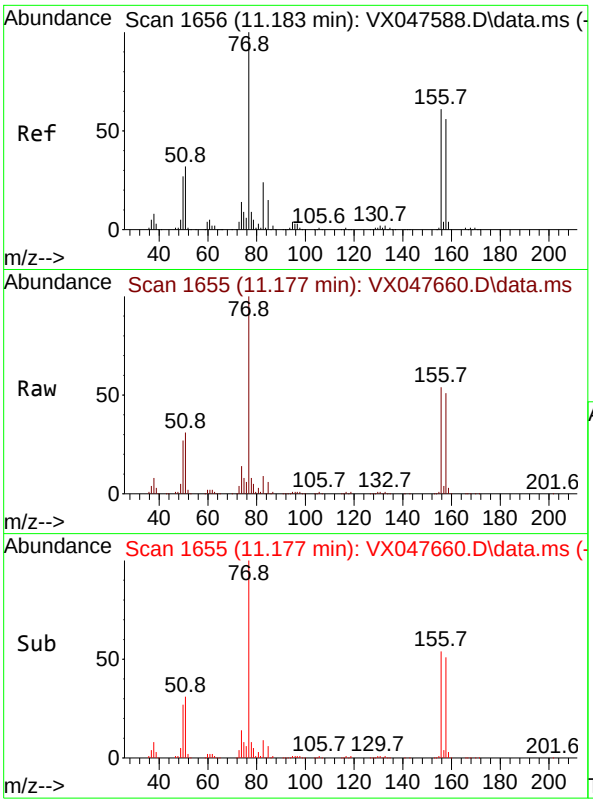


#76
1,2,3-Trichloropropane
Concen: 47.682 ug/l m
RT: 11.220 min Scan# 1662
Delta R.T. -0.000 min
Lab File: VX047660.D
Acq: 19 Sep 2025 09:22

Tgt Ion: 75 Resp: 125290

Ion	Ratio	Lower	Upper
75	100		
77	45.2	18.8	56.4

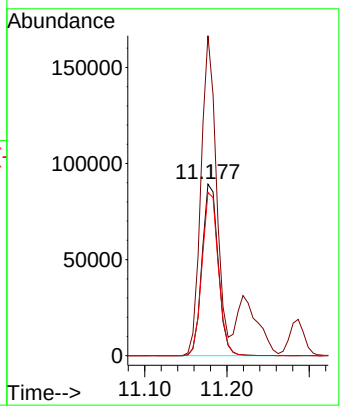




#77
Bromobenzene
Concen: 50.172 ug/l
RT: 11.177 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047660.D
Acq: 19 Sep 2025 09:22

Tgt Ion:156 Resp: 12192

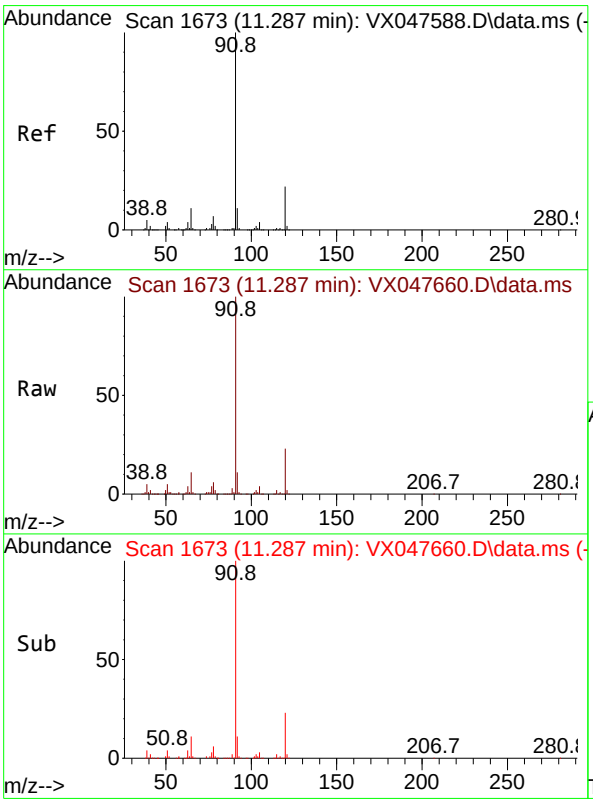
Ion	Ratio	Lower	Upper
156	100		
77	177.6	89.7	269.1
158	96.4	47.9	143.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

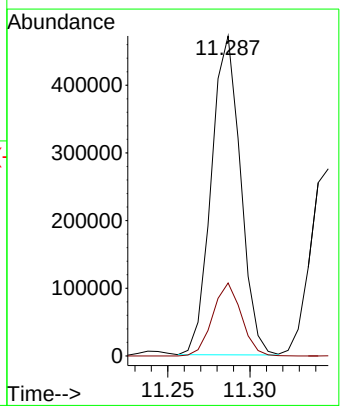
Reviewed By :Semsettin Yesilyurt 09/22/2025
Supervised By :Mahesh Dadoda 09/22/2025

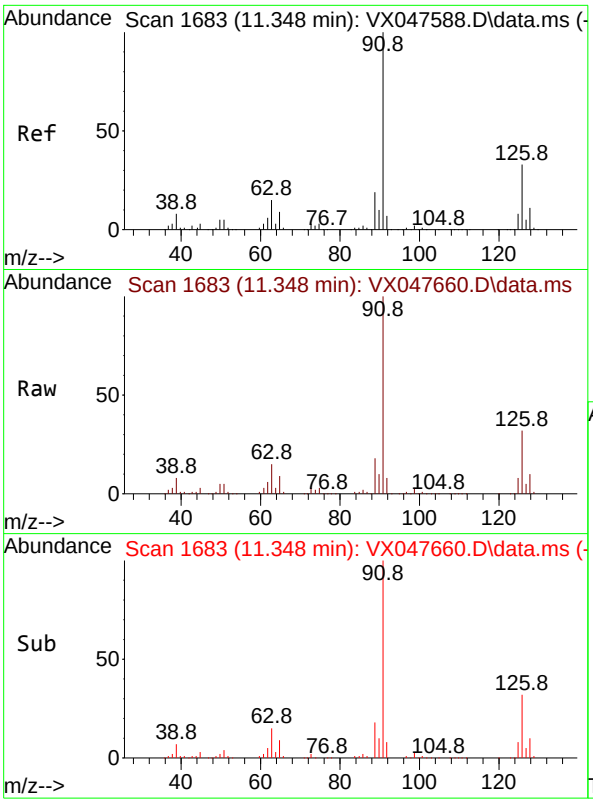


#78
n-propylbenzene
Concen: 50.018 ug/l
RT: 11.287 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX047660.D
Acq: 19 Sep 2025 09:22

Tgt Ion: 91 Resp: 583388

Ion	Ratio	Lower	Upper
91	100		
120	22.4	11.1	33.1

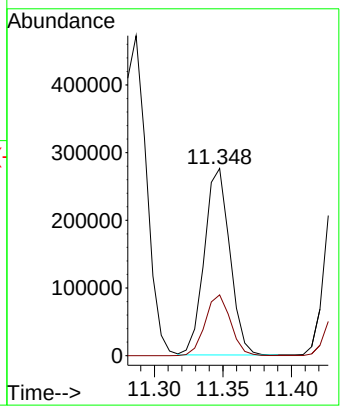




#79
2-Chlorotoluene
Concen: 49.875 ug/l
RT: 11.348 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047660.D
Acq: 19 Sep 2025 09:22

Tgt Ion: 91 Resp: 35628

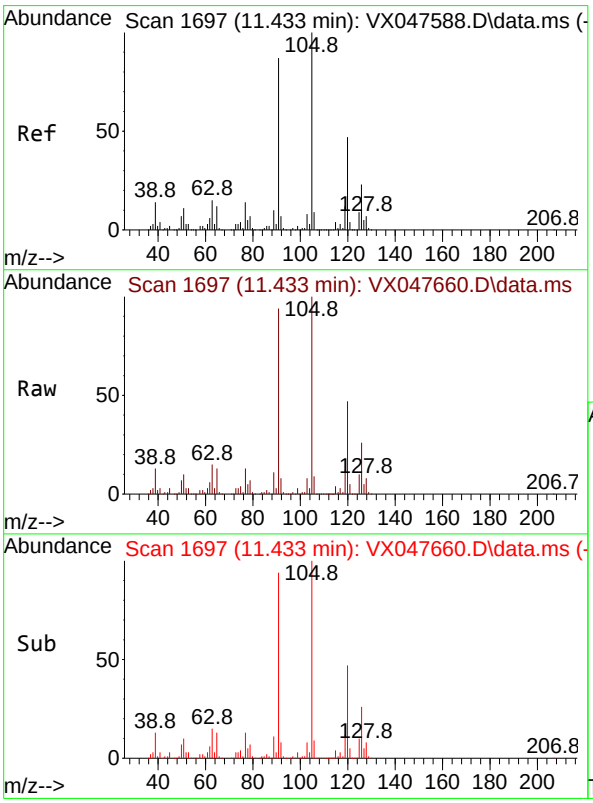
Ion	Ratio	Lower	Upper
91	100		
126	32.5	16.1	48.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

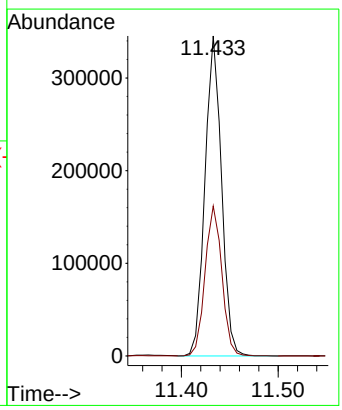
Reviewed By :Semsettin Yesilyurt 09/22/2025
Supervised By :Mahesh Dadoda 09/22/2025

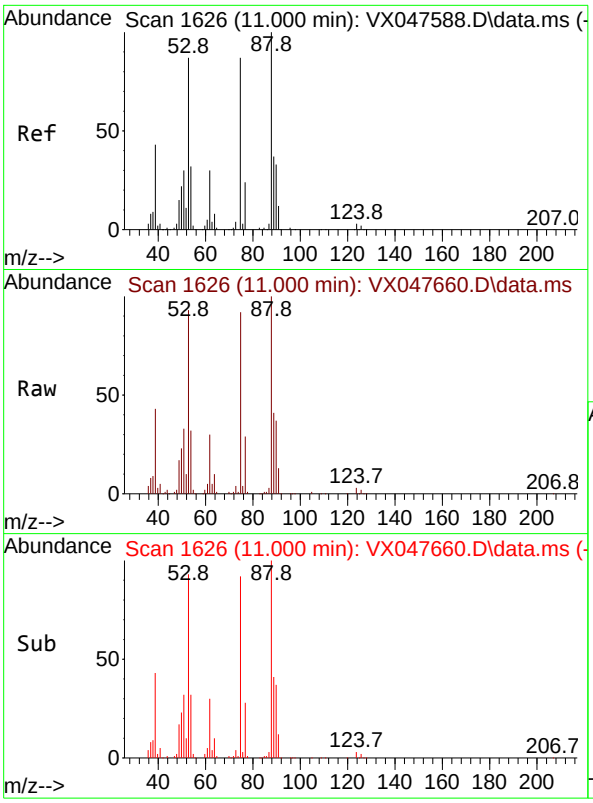


#80
1,3,5-Trimethylbenzene
Concen: 50.523 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX047660.D
Acq: 19 Sep 2025 09:22

Tgt Ion:105 Resp: 409554

Ion	Ratio	Lower	Upper
105	100		
120	47.7	23.6	70.8

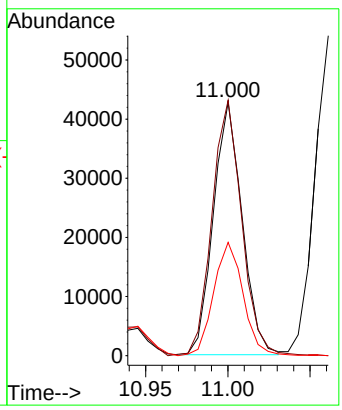




#81
trans-1,4-Dichloro-2-butene
Concen: 50.440 ug/l
RT: 11.000 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047660.D
Acq: 19 Sep 2025 09:22

Tgt Ion: 75 Resp: 5197

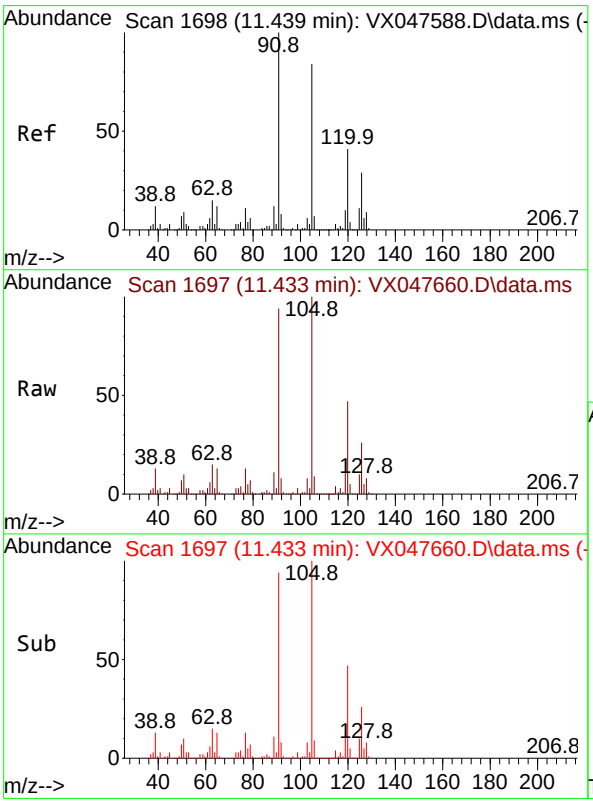
Ion	Ratio	Lower	Upper
75	100		
53	104.6	83.4	125.2
89	46.1	36.3	54.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

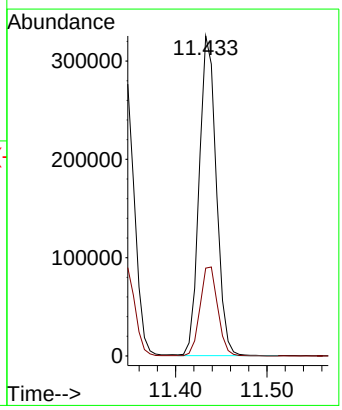
Reviewed By :Semsettin Yesilyurt 09/22/2025
Supervised By :Mahesh Dadoda 09/22/2025

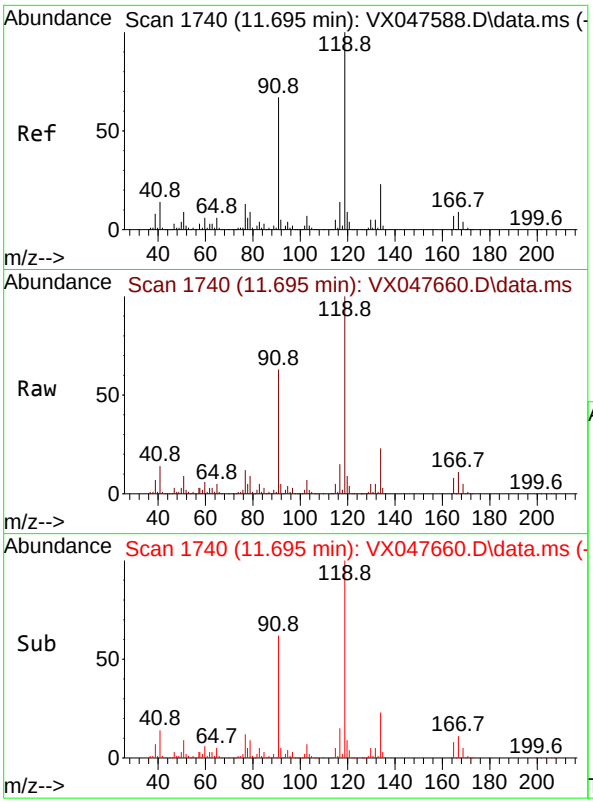


#82
4-Chlorotoluene
Concen: 49.932 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.006 min
Lab File: VX047660.D
Acq: 19 Sep 2025 09:22

Tgt Ion: 91 Resp: 421274

Ion	Ratio	Lower	Upper
91	100		
126	28.8	14.2	42.6

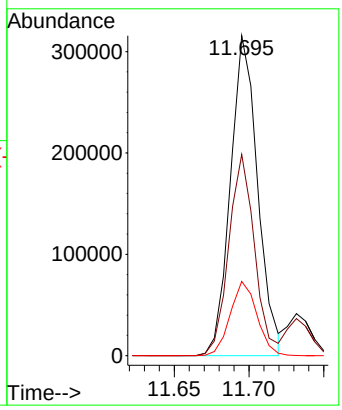




#83
tert-Butylbenzene
Concen: 48.196 ug/l
RT: 11.695 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047660.D
Acq: 19 Sep 2025 09:22

Tgt Ion:119 Resp: 39993

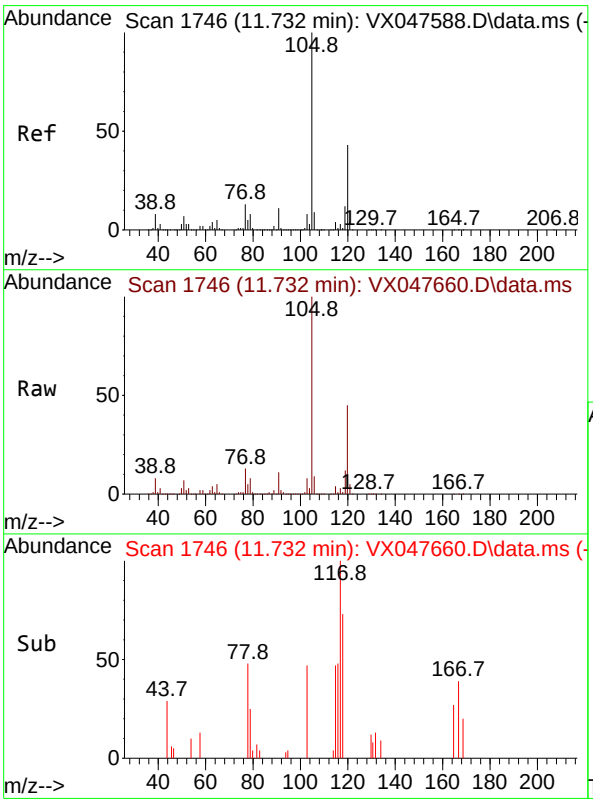
Ion	Ratio	Lower	Upper
119	100		
91	59.6	29.6	88.8
134	22.8	11.0	33.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

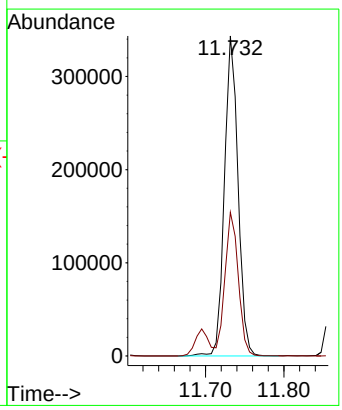
Reviewed By :Semsettin Yesilyurt 09/22/2025
Supervised By :Mahesh Dadoda 09/22/2025

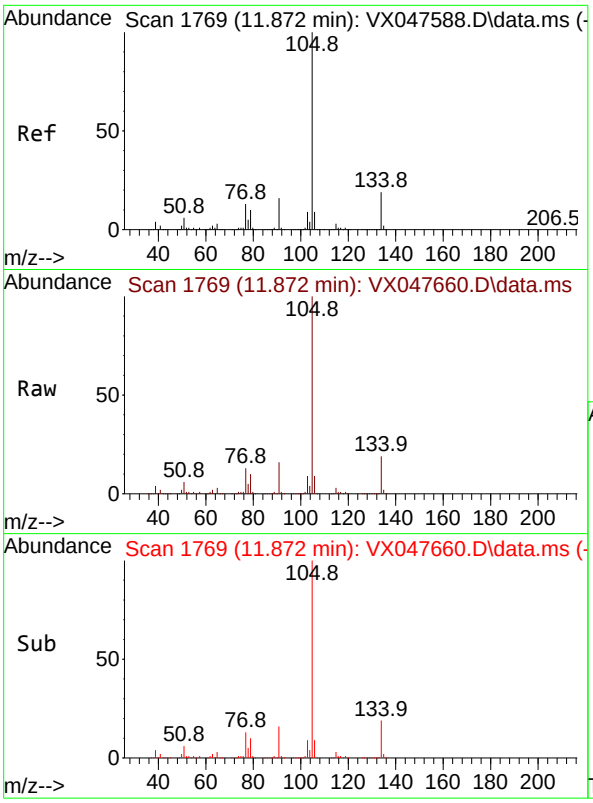


#84
1,2,4-Trimethylbenzene
Concen: 50.508 ug/l
RT: 11.732 min Scan# 1746
Delta R.T. 0.000 min
Lab File: VX047660.D
Acq: 19 Sep 2025 09:22

Tgt Ion:105 Resp: 415095

Ion	Ratio	Lower	Upper
105	100		
120	43.8	22.1	66.1

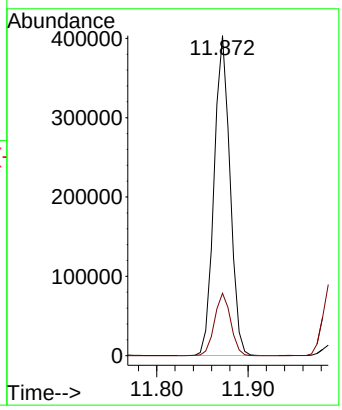




#85
sec-Butylbenzene
Concen: 49.622 ug/l
RT: 11.872 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047660.D
Acq: 19 Sep 2025 09:22

Tgt Ion:105 Resp: 48910

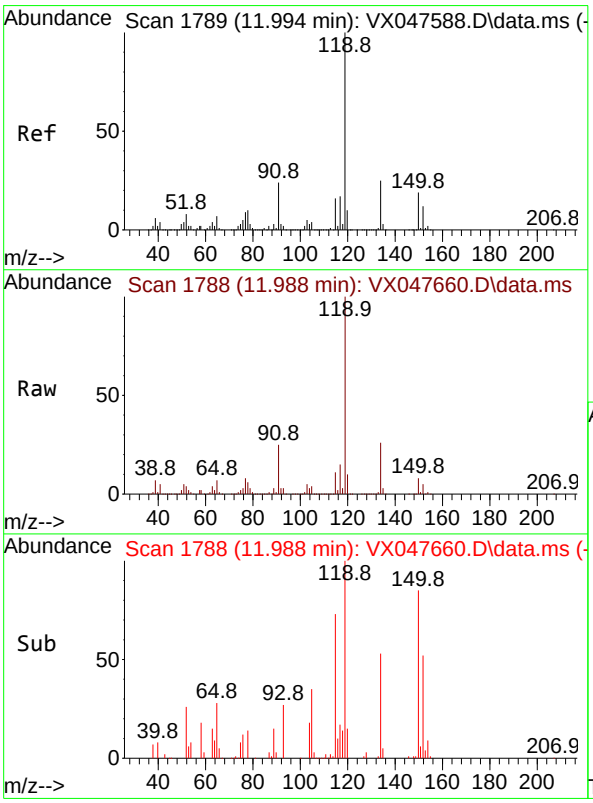
Ion	Ratio	Lower	Upper
105	100		
134	19.8	9.8	29.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

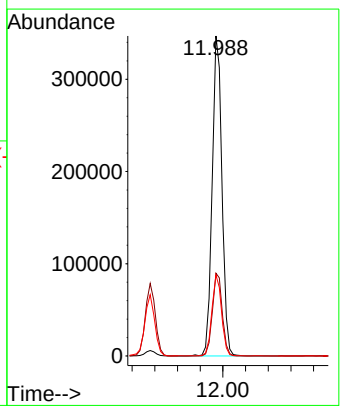
Reviewed By :Semsettin Yesilyurt 09/22/2025
Supervised By :Mahesh Dadoda 09/22/2025

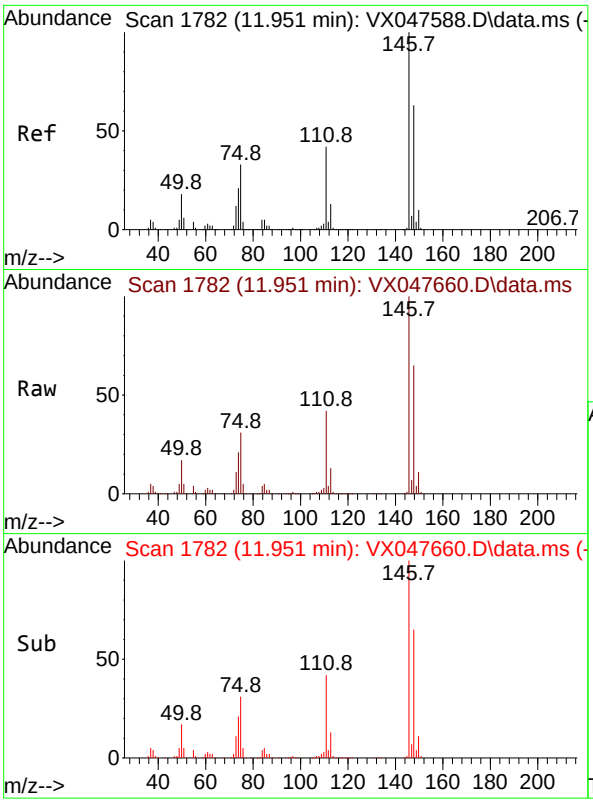


#86
p-Isopropyltoluene
Concen: 49.757 ug/l
RT: 11.988 min Scan# 1788
Delta R.T. -0.006 min
Lab File: VX047660.D
Acq: 19 Sep 2025 09:22

Tgt Ion:119 Resp: 415198

Ion	Ratio	Lower	Upper
119	100		
134	26.1	12.6	37.8
91	25.0	12.6	37.6

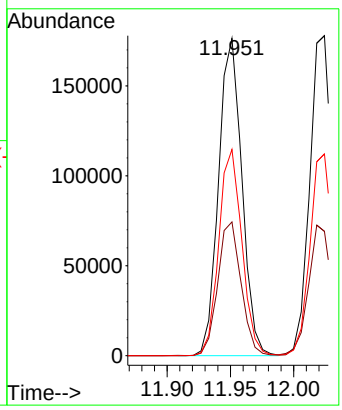




#87
1,3-Dichlorobenzene
Concen: 50.139 ug/l
RT: 11.951 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047660.D
Acq: 19 Sep 2025 09:22

Tgt Ion:146 Resp: 22630

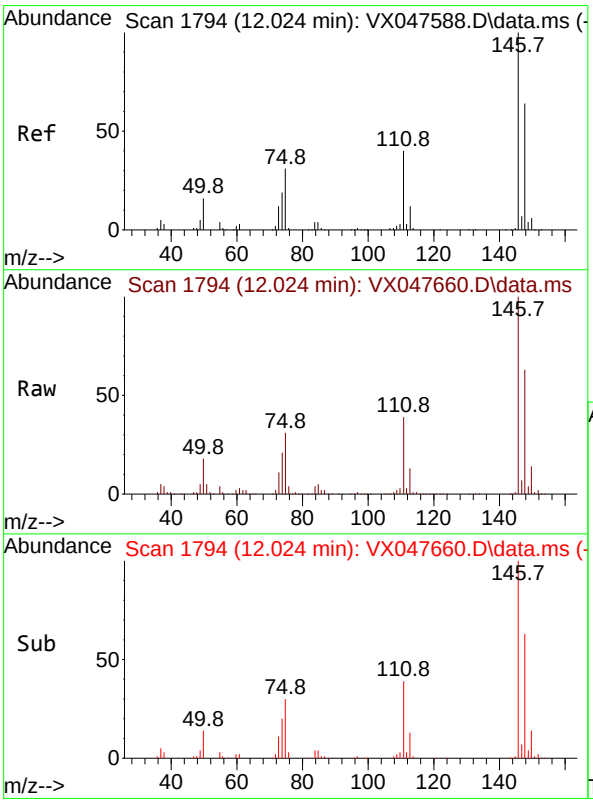
Ion	Ratio	Lower	Upper
146	100		
111	42.2	21.5	64.5
148	64.3	32.0	96.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

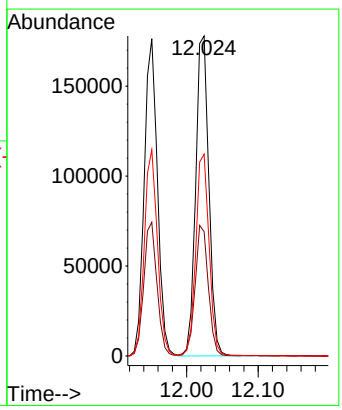
Reviewed By :Semsettin Yesilyurt 09/22/2025
Supervised By :Mahesh Dadoda 09/22/2025

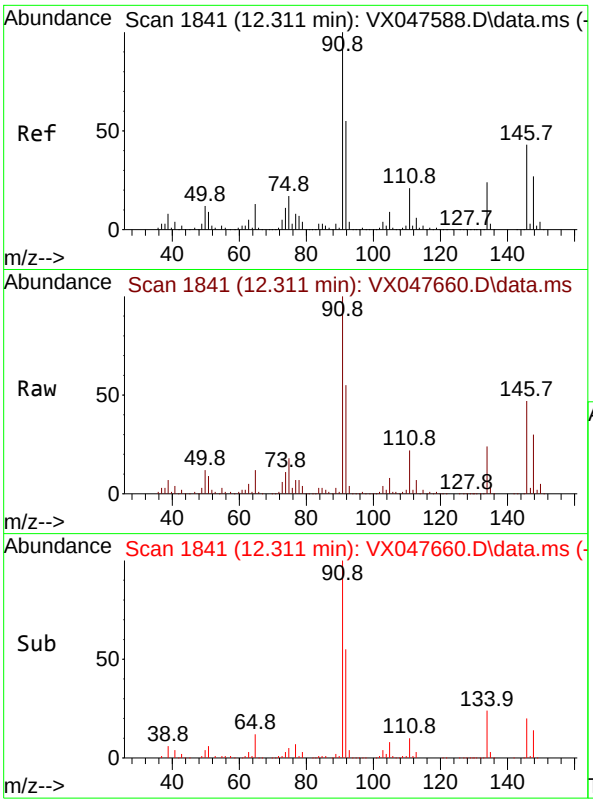


#88
1,4-Dichlorobenzene
Concen: 49.138 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX047660.D
Acq: 19 Sep 2025 09:22

Tgt Ion:146 Resp: 227633

Ion	Ratio	Lower	Upper
146	100		
111	40.9	20.8	62.4
148	63.1	31.7	95.1

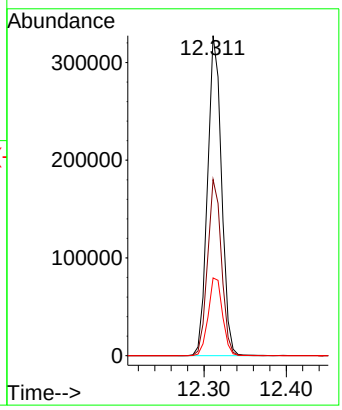




#89
n-Butylbenzene
Concen: 50.022 ug/l
RT: 12.311 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047660.D
Acq: 19 Sep 2025 09:22

Tgt Ion: 91 Resp: 38623

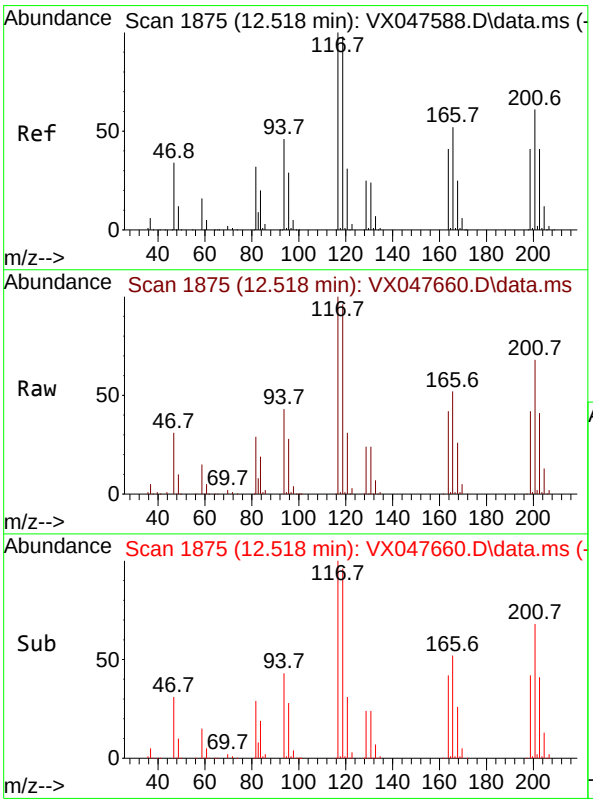
Ion	Ratio	Lower	Upper
91	100		
92	54.5	27.6	82.7
134	24.9	12.6	37.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

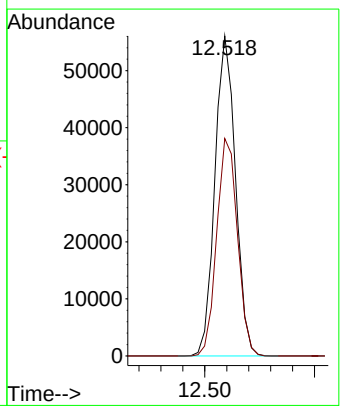
Reviewed By :Semsettin Yesilyurt 09/22/2025
Supervised By :Mahesh Dadoda 09/22/2025

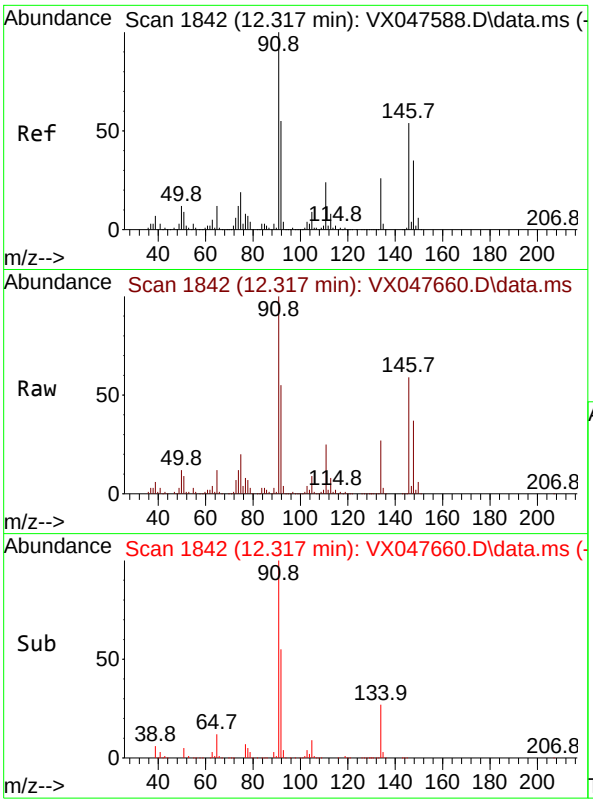


#90
Hexachloroethane
Concen: 49.913 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VX047660.D
Acq: 19 Sep 2025 09:22

Tgt Ion:117 Resp: 73125

Ion	Ratio	Lower	Upper
117	100		
201	68.7	34.2	102.5

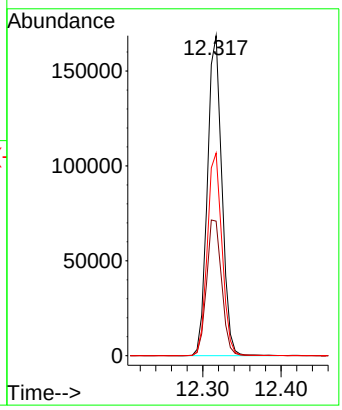




#91
1,2-Dichlorobenzene
Concen: 50.084 ug/l
RT: 12.317 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047660.D
Acq: 19 Sep 2025 09:22

Tgt Ion:146 Resp: 21536

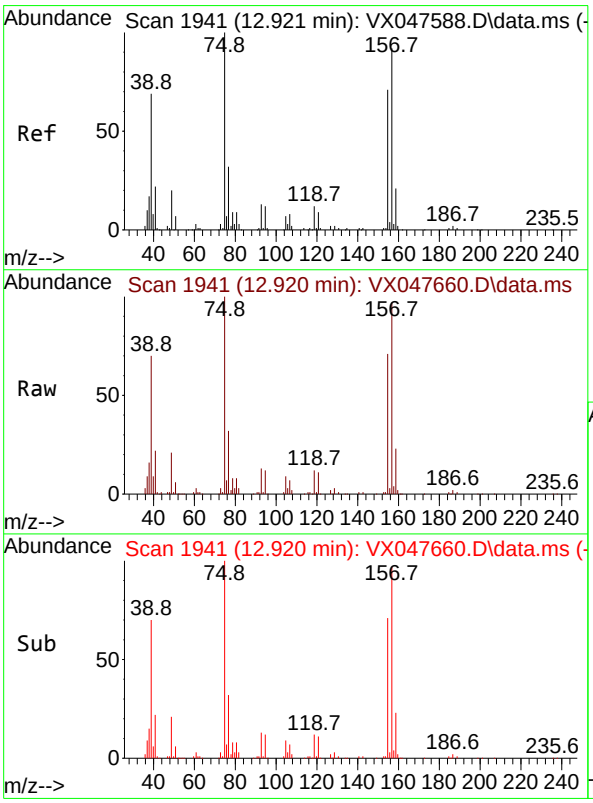
Ion	Ratio	Lower	Upper
146	100		
111	44.3	22.2	66.6
148	64.2	31.8	95.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

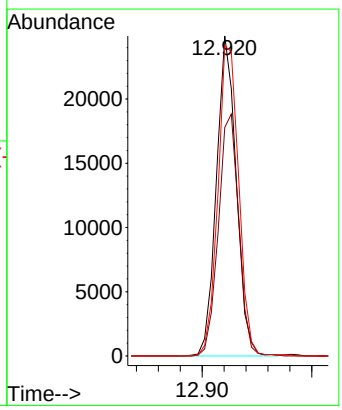
Reviewed By :Semsettin Yesilyurt 09/22/2025
Supervised By :Mahesh Dadoda 09/22/2025

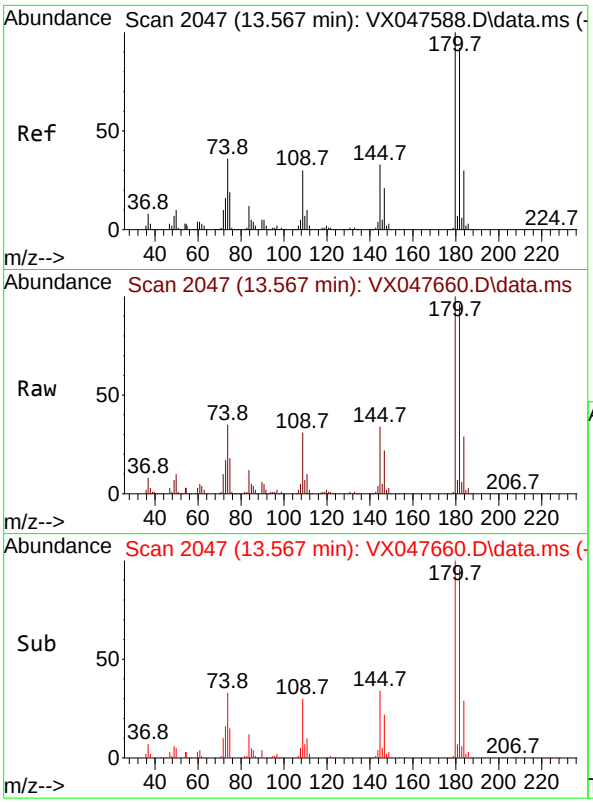


#92
1,2-Dibromo-3-Chloropropane
Concen: 51.864 ug/l
RT: 12.920 min Scan# 1941
Delta R.T. -0.000 min
Lab File: VX047660.D
Acq: 19 Sep 2025 09:22

Tgt Ion: 75 Resp: 31345

Ion	Ratio	Lower	Upper
75	100		
155	77.8	37.7	113.1
157	101.7	49.8	149.4





#93
1,2,4-Trichlorobenzene
Concen: 50.643 ug/l
RT: 13.567 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX047660.D
Acq: 19 Sep 2025 09:22

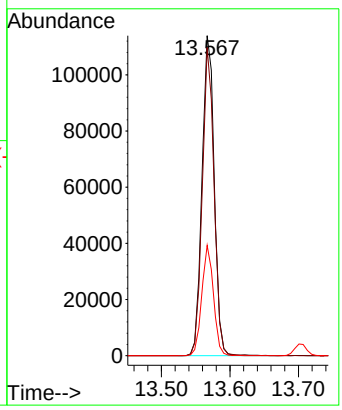
Tgt Ion:180 Resp: 14153

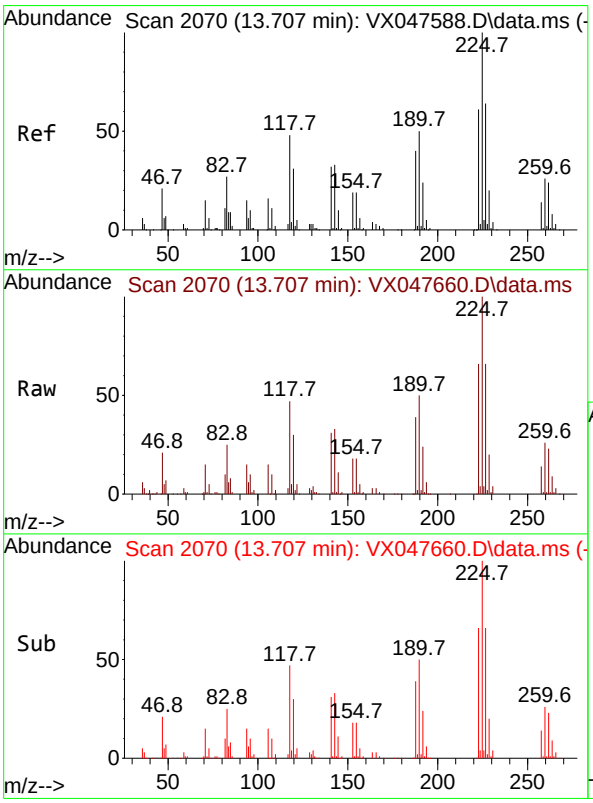
Ion	Ratio	Lower	Upper
180	100		
182	92.9	46.6	139.8
145	32.9	16.4	49.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 09/22/2025
Supervised By :Mahesh Dadoda 09/22/2025

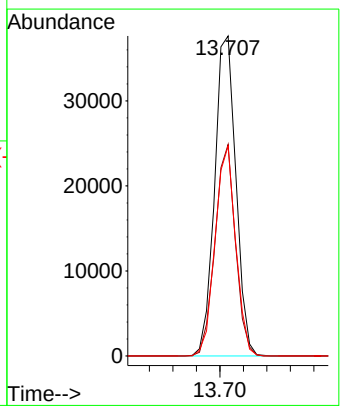


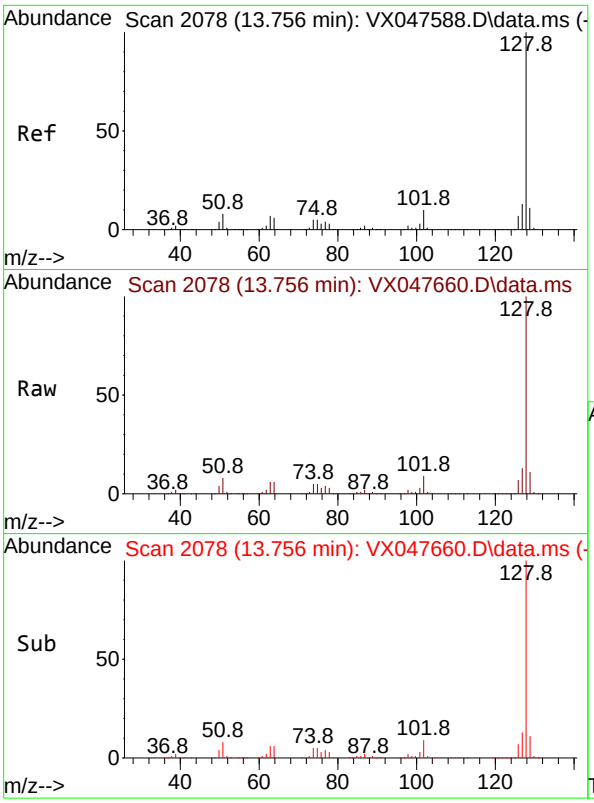


#94
Hexachlorobutadiene
Concen: 49.957 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. -0.000 min
Lab File: VX047660.D
Acq: 19 Sep 2025 09:22

Tgt Ion:225 Resp: 47423

Ion	Ratio	Lower	Upper
225	100		
223	63.3	31.7	95.1
227	63.3	32.0	96.0

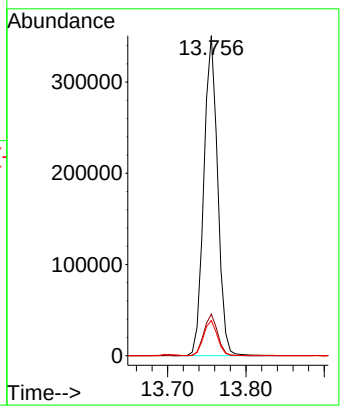




#95
Naphthalene
Concen: 50.373 ug/l
RT: 13.756 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047660.D
Acq: 19 Sep 2025 09:22

Tgt Ion:128 Resp: 42867

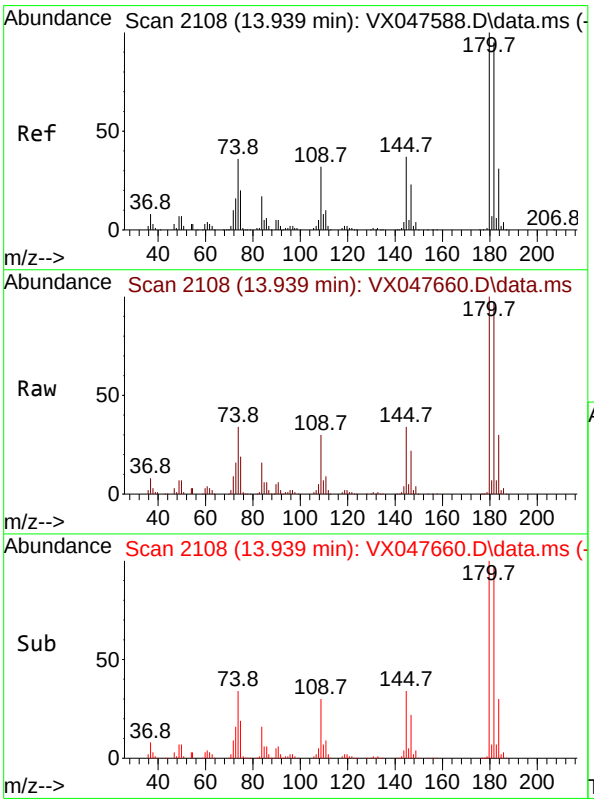
Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.2
129	11.0	8.8	13.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

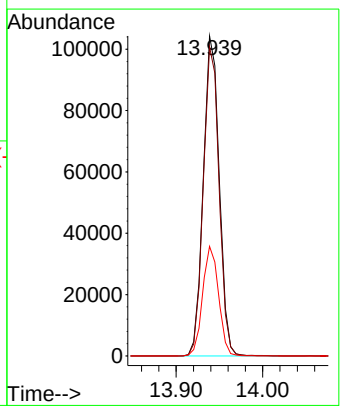
Reviewed By :Semsettin Yesilyurt 09/22/2025
Supervised By :Mahesh Dadoda 09/22/2025



#96
1,2,3-Trichlorobenzene
Concen: 51.304 ug/l
RT: 13.939 min Scan# 2108
Delta R.T. -0.000 min
Lab File: VX047660.D
Acq: 19 Sep 2025 09:22

Tgt Ion:180 Resp: 133374

Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.6	142.8
145	34.3	17.9	53.7



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091925\
Data File : VX047660.D
Acq On : 19 Sep 2025 09:22
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Sep 20 00:25:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	97	-0.01
2	T	Dichlorodifluoromethane	0.518	0.650	-25.5#	126	0.00
3	P	Chloromethane	0.680	0.796	-17.1	117	0.00
4	C	Vinyl Chloride	0.666	0.765	-14.9#	112	0.00
5	T	Bromomethane	0.422	0.509	-20.6	116	0.00
6	T	Chloroethane	0.445	0.487	-9.4	107	0.00
7	T	Trichlorofluoromethane	0.989	1.055	-6.7	103	0.00
8	T	Diethyl Ether	0.405	0.431	-6.4	102	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.578	0.606	-4.8	101	0.00
10	T	Methyl Iodide	0.902	0.957	-6.1	102	0.00
11	T	Tert butyl alcohol	0.089	0.091	-2.2	99	0.00
12	CM	1,1-Dichloroethene	0.594	0.636	-7.1#	102	0.00
13	T	Acrolein	0.082	0.091	-11.0	108	0.00
14	T	Allyl chloride	1.226	1.277	-4.2	102	0.00
15	T	Acrylonitrile	0.328	0.368	-12.2	103	0.00
16	T	Acetone	0.346	0.370	-6.9	113	0.00
17	T	Carbon Disulfide	1.626	1.859	-14.3	115	0.00
18	T	Methyl Acetate	0.770	0.823	-6.9	91	0.00
19	T	Methyl tert-butyl Ether	2.169	2.275	-4.9	98	0.00
20	T	Methylene Chloride	0.732	0.763	-4.2	102	0.00
21	T	trans-1,2-Dichloroethene	0.640	0.690	-7.8	103	0.00
22	T	Diisopropyl ether	2.376	2.524	-6.2	99	-0.01
23	T	Vinyl Acetate	1.901	2.110	-11.0	103	0.00
24	P	1,1-Dichloroethane	1.263	1.331	-5.4	100	0.00
25	T	2-Butanone	0.432	0.467	-8.1	103	0.00
26	T	2,2-Dichloropropane	1.050	1.086	-3.4	99	0.00
27	T	cis-1,2-Dichloroethene	0.783	0.828	-5.7	99	0.00
28	T	Bromochloromethane	0.551	0.612	-11.1	103	-0.01
29	T	Tetrahydrofuran	0.260	0.286	-10.0	101	0.00
30	C	Chloroform	1.276	1.333	-4.5#	98	0.00
31	T	Cyclohexane	1.052	1.072	-1.9	101	0.00
32	T	1,1,1-Trichloroethane	1.082	1.113	-2.9	96	0.00
33	S	1,2-Dichloroethane-d4	0.796	0.779	2.1	98	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	100	0.00
35	S	Dibromofluoromethane	0.335	0.329	1.8	99	0.00
36	T	1,1-Dichloropropene	0.490	0.485	1.0	99	-0.01
37	T	Ethyl Acetate	0.525	0.547	-4.2	103	-0.01
38	T	Carbon Tetrachloride	0.532	0.515	3.2	95	-0.01
39	T	Methylcyclohexane	0.556	0.565	-1.6	100	0.00
40	TM	Benzene	1.488	1.532	-3.0	100	0.00
41	T	Methacrylonitrile	0.271	0.293	-8.1	102	0.00
42	TM	1,2-Dichloroethane	0.566	0.567	-0.2	97	0.00
43	T	Isopropyl Acetate	0.860	0.880	-2.3	98	0.00
44	TM	Trichloroethene	0.360	0.371	-3.1	100	0.00
45	C	1,2-Dichloropropane	0.381	0.386	-1.3#	97	0.00
46	T	Dibromomethane	0.277	0.285	-2.9	99	0.00
47	T	Bromodichloromethane	0.572	0.580	-1.4	95	0.00
48	T	Methyl methacrylate	0.429	0.442	-3.0	98	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091925\
Data File : VX047660.D
Acq On : 19 Sep 2025 09:22
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Sep 20 00:25:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 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	0.004	0.005	-25.0	114	0.00
50	S	Toluene-d8	1.160	1.122	3.3	98	0.00
51	T	4-Methyl-2-Pentanone	0.477	0.504	-5.7	98	0.00
52	CM	Toluene	0.917	0.930	-1.4#	99	0.00
53	T	t-1,3-Dichloropropene	0.584	0.600	-2.7	97	0.00
54	T	cis-1,3-Dichloropropene	0.624	0.646	-3.5	99	0.00
55	T	1,1,2-Trichloroethane	0.354	0.359	-1.4	98	0.00
56	T	Ethyl methacrylate	0.555	0.590	-6.3	98	0.00
57	T	1,3-Dichloropropane	0.607	0.632	-4.1	99	0.00
58	T	2-Chloroethyl Vinyl ether	0.227	0.278	-22.5	102	0.00
59	T	2-Hexanone	0.343	0.360	-5.0	100	0.00
60	T	Dibromochloromethane	0.407	0.423	-3.9	97	0.00
61	T	1,2-Dibromoethane	0.360	0.383	-6.4	101	0.00
62	S	4-Bromofluorobenzene	0.440	0.425	3.4	99	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	101	0.00
64	T	Tetrachloroethene	0.326	0.319	2.1	99	0.00
65	PM	Chlorobenzene	1.136	1.134	0.2	97	0.00
66	T	1,1,1,2-Tetrachloroethane	0.392	0.393	-0.3	96	0.00
67	C	Ethyl Benzene	1.960	1.969	-0.5#	97	0.00
68	T	m/p-Xylenes	0.729	0.735	-0.8	97	0.00
69	T	o-Xylene	0.706	0.714	-1.1	96	0.00
70	T	Styrene	1.236	1.272	-2.9	99	0.00
71	P	Bromoform	0.293	0.298	-1.7	96	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	102	0.00
73	T	Isopropylbenzene	3.801	3.802	-0.0	95	0.00
74	T	N-amyl acetate	1.733	1.810	-4.4	99	0.00
75	P	1,1,2,2-Tetrachloroethane	1.150	1.194	-3.8	99	0.00
76	T	1,2,3-Trichloropropane	1.012	0.965	4.6	87	0.00
77	T	Bromobenzene	0.936	0.939	-0.3	97	0.00
78	T	n-propylbenzene	4.494	4.495	-0.0	95	0.00
79	T	2-Chlorotoluene	2.752	2.745	0.3	96	0.00
80	T	1,3,5-Trimethylbenzene	3.123	3.156	-1.1	96	0.00
81	T	trans-1,4-Dichloro-2-butene	0.397	0.400	-0.8	98	0.00
82	T	4-Chlorotoluene	3.251	3.246	0.2	96	0.00
83	T	tert-Butylbenzene	3.197	3.082	3.6	93	0.00
84	T	1,2,4-Trimethylbenzene	3.166	3.199	-1.0	97	0.00
85	T	sec-Butylbenzene	3.797	3.769	0.7	95	0.00
86	T	p-Isopropyltoluene	3.215	3.199	0.5	95	0.00
87	T	1,3-Dichlorobenzene	1.739	1.744	-0.3	98	0.00
88	T	1,4-Dichlorobenzene	1.785	1.754	1.7	97	0.00
89	T	n-Butylbenzene	2.975	2.976	-0.0	96	0.00
90	T	Hexachloroethane	0.564	0.563	0.2	96	0.00
91	T	1,2-Dichlorobenzene	1.657	1.660	-0.2	97	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.233	0.242	-3.9	97	0.00
93	T	1,2,4-Trichlorobenzene	1.077	1.091	-1.3	96	0.00
94	T	Hexachlorobutadiene	0.366	0.365	0.3	97	0.00
95	T	Naphthalene	3.279	3.303	-0.7	95	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091925\
Data File : VX047660.D
Acq On : 19 Sep 2025 09:22
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Sep 20 00:25:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 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	1.002	1.028	-2.6	96	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091925\
Data File : VX047660.D
Acq On : 19 Sep 2025 09:22
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Sep 20 00:25:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	97	-0.01
2	T	Dichlorodifluoromethane	50.000	62.726	-25.5#	126	0.00
3	P	Chloromethane	50.000	58.454	-16.9	117	0.00
4	C	Vinyl Chloride	50.000	57.401	-14.8#	112	0.00
5	T	Bromomethane	50.000	60.207	-20.4	116	0.00
6	T	Chloroethane	50.000	54.697	-9.4	107	0.00
7	T	Trichlorofluoromethane	50.000	53.331	-6.7	103	0.00
8	T	Diethyl Ether	50.000	53.247	-6.5	102	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	52.368	-4.7	101	0.00
10	T	Methyl Iodide	50.000	53.061	-6.1	102	0.00
11	T	Tert butyl alcohol	250.000	256.398	-2.6	99	0.00
12	CM	1,1-Dichloroethene	50.000	53.511	-7.0#	102	0.00
13	T	Acrolein	250.000	277.267	-10.9	108	0.00
14	T	Allyl chloride	50.000	52.096	-4.2	102	0.00
15	T	Acrylonitrile	250.000	280.351	-12.1	103	0.00
16	T	Acetone	250.000	267.632	-7.1	113	0.00
17	T	Carbon Disulfide	50.000	57.144	-14.3	115	0.00
18	T	Methyl Acetate	50.000	53.421	-6.8	91	0.00
19	T	Methyl tert-butyl Ether	50.000	52.463	-4.9	98	0.00
20	T	Methylene Chloride	50.000	52.090	-4.2	102	0.00
21	T	trans-1,2-Dichloroethene	50.000	53.949	-7.9	103	0.00
22	T	Diisopropyl ether	50.000	53.122	-6.2	99	-0.01
23	T	Vinyl Acetate	250.000	277.456	-11.0	103	0.00
24	P	1,1-Dichloroethane	50.000	52.689	-5.4	100	0.00
25	T	2-Butanone	250.000	270.370	-8.1	103	0.00
26	T	2,2-Dichloropropane	50.000	51.709	-3.4	99	0.00
27	T	cis-1,2-Dichloroethene	50.000	52.862	-5.7	99	0.00
28	T	Bromochloromethane	50.000	55.493	-11.0	103	-0.01
29	T	Tetrahydrofuran	250.000	275.412	-10.2	101	0.00
30	C	Chloroform	50.000	52.250	-4.5#	98	0.00
31	T	Cyclohexane	50.000	50.989	-2.0	101	0.00
32	T	1,1,1-Trichloroethane	50.000	51.405	-2.8	96	0.00
33	S	1,2-Dichloroethane-d4	50.000	48.921	2.2	98	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	100	0.00
35	S	Dibromofluoromethane	50.000	48.985	2.0	99	0.00
36	T	1,1-Dichloropropene	50.000	49.472	1.1	99	-0.01
37	T	Ethyl Acetate	50.000	52.177	-4.4	103	-0.01
38	T	Carbon Tetrachloride	50.000	48.399	3.2	95	-0.01
39	T	Methylcyclohexane	50.000	50.798	-1.6	100	0.00
40	TM	Benzene	50.000	51.478	-3.0	100	0.00
41	T	Methacrylonitrile	50.000	54.019	-8.0	102	0.00
42	TM	1,2-Dichloroethane	50.000	50.041	-0.1	97	0.00
43	T	Isopropyl Acetate	50.000	51.124	-2.2	98	0.00
44	TM	Trichloroethene	50.000	51.491	-3.0	100	0.00
45	C	1,2-Dichloropropane	50.000	50.706	-1.4#	97	0.00
46	T	Dibromomethane	50.000	51.314	-2.6	99	0.00
47	T	Bromodichloromethane	50.000	50.681	-1.4	95	0.00
48	T	Methyl methacrylate	50.000	51.542	-3.1	98	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091925\
Data File : VX047660.D
Acq On : 19 Sep 2025 09:22
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Sep 20 00:25:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 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	1265.071	-26.5#	114	0.00
50	S	Toluene-d8	50.000	48.346	3.3	98	0.00
51	T	4-Methyl-2-Pentanone	250.000	263.992	-5.6	98	0.00
52	CM	Toluene	50.000	50.732	-1.5#	99	0.00
53	T	t-1,3-Dichloropropene	50.000	51.420	-2.8	97	0.00
54	T	cis-1,3-Dichloropropene	50.000	51.767	-3.5	99	0.00
55	T	1,1,2-Trichloroethane	50.000	50.755	-1.5	98	0.00
56	T	Ethyl methacrylate	50.000	53.155	-6.3	98	0.00
57	T	1,3-Dichloropropane	50.000	52.043	-4.1	99	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	261.332	-4.5	102	0.00
59	T	2-Hexanone	250.000	262.497	-5.0	100	0.00
60	T	Dibromochloromethane	50.000	51.934	-3.9	97	0.00
61	T	1,2-Dibromoethane	50.000	53.110	-6.2	101	0.00
62	S	4-Bromofluorobenzene	50.000	48.202	3.6	99	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	101	0.00
64	T	Tetrachloroethene	50.000	48.951	2.1	99	0.00
65	PM	Chlorobenzene	50.000	49.899	0.2	97	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	50.145	-0.3	96	0.00
67	C	Ethyl Benzene	50.000	50.244	-0.5#	97	0.00
68	T	m/p-Xylenes	100.000	100.725	-0.7	97	0.00
69	T	o-Xylene	50.000	50.618	-1.2	96	0.00
70	T	Styrene	50.000	51.440	-2.9	99	0.00
71	P	Bromoform	50.000	50.872	-1.7	96	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	102	0.00
73	T	Isopropylbenzene	50.000	50.005	-0.0	95	0.00
74	T	N-amyl acetate	50.000	52.208	-4.4	99	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	51.895	-3.8	99	0.00
76	T	1,2,3-Trichloropropane	50.000	47.682	4.6	87	0.00
77	T	Bromobenzene	50.000	50.172	-0.3	97	0.00
78	T	n-propylbenzene	50.000	50.018	-0.0	95	0.00
79	T	2-Chlorotoluene	50.000	49.875	0.3	96	0.00
80	T	1,3,5-Trimethylbenzene	50.000	50.523	-1.0	96	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	50.440	-0.9	98	0.00
82	T	4-Chlorotoluene	50.000	49.932	0.1	96	0.00
83	T	tert-Butylbenzene	50.000	48.196	3.6	93	0.00
84	T	1,2,4-Trimethylbenzene	50.000	50.508	-1.0	97	0.00
85	T	sec-Butylbenzene	50.000	49.622	0.8	95	0.00
86	T	p-Isopropyltoluene	50.000	49.757	0.5	95	0.00
87	T	1,3-Dichlorobenzene	50.000	50.139	-0.3	98	0.00
88	T	1,4-Dichlorobenzene	50.000	49.138	1.7	97	0.00
89	T	n-Butylbenzene	50.000	50.022	-0.0	96	0.00
90	T	Hexachloroethane	50.000	49.913	0.2	96	0.00
91	T	1,2-Dichlorobenzene	50.000	50.084	-0.2	97	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	51.864	-3.7	97	0.00
93	T	1,2,4-Trichlorobenzene	50.000	50.643	-1.3	96	0.00
94	T	Hexachlorobutadiene	50.000	49.957	0.1	97	0.00
95	T	Naphthalene	50.000	50.373	-0.7	95	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091925\
Data File : VX047660.D
Acq On : 19 Sep 2025 09:22
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Sep 20 00:25:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 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	51.304	-2.6	96	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: Alliance
Contract: AECO15
Lab Code: ACE
SDG No.: Q3095
Instrument ID: MSVOA_X
Calibration Date/Time: 09/19/2025 19:03
Lab File ID: VX047687.D
Init. Calib. Date(s): 09/16/2025 09/16/2025
Heated Purge: (Y/N) N
Init. Calib. Time(s): 09:23 12:01
GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.518	0.658		27.03	50
Chloromethane	0.680	0.802	0.1	17.94	50
Vinyl Chloride	0.666	0.795		19.37	50
Bromomethane	0.422	0.503		19.19	50
Chloroethane	0.445	0.502		12.81	50
Trichlorofluoromethane	0.989	1.094		10.62	50
1,1,2-Trichlorotrifluoroethane	0.578	0.646		11.77	50
1,1-Dichloroethene	0.594	0.654		10.1	50
Acetone	0.346	0.275		-20.52	50
Carbon Disulfide	1.626	1.876		15.38	50
Methyl tert-butyl Ether	2.169	2.274		4.84	50
Methyl Acetate	0.770	0.823		6.88	50
Methylene Chloride	0.732	0.795		8.61	50
trans-1,2-Dichloroethene	0.640	0.708		10.63	50
1,1-Dichloroethane	1.263	1.378	0.1	9.1	50
Cyclohexane	1.052	1.123		6.75	50
2-Butanone	0.432	0.427		-1.16	50
Carbon Tetrachloride	0.532	0.541		1.69	50
cis-1,2-Dichloroethene	0.783	0.841		7.41	50
Bromochloromethane	0.551	0.592		7.44	50
Chloroform	1.276	1.389		8.86	50
1,1,1-Trichloroethane	1.082	1.158		7.02	50
Methylcyclohexane	0.556	0.582		4.68	50
Benzene	1.488	1.601		7.59	50
1,2-Dichloroethane	0.566	0.588		3.89	50
Trichloroethene	0.360	0.404		12.22	50
1,2-Dichloropropane	0.381	0.410		7.61	50
Bromodichloromethane	0.572	0.610		6.64	50
4-Methyl-2-Pentanone	0.477	0.505		5.87	50
Toluene	0.917	0.979		6.76	50
t-1,3-Dichloropropene	0.584	0.602		3.08	50
cis-1,3-Dichloropropene	0.624	0.647		3.69	50
1,1,2-Trichloroethane	0.354	0.377		6.5	50
2-Hexanone	0.343	0.346		0.88	50
Dibromochloromethane	0.407	0.436		7.13	50
1,2-Dibromoethane	0.360	0.396		10	50
Tetrachloroethene	0.326	0.340		4.29	50
Chlorobenzene	1.136	1.199	0.3	5.55	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:	Alliance	Contract:	AECO15
Lab Code:	ACE	SDG No.:	Q3095
Instrument ID:	MSVOA_X	Calibration Date/Time:	09/19/2025 19:03
Lab File ID:	VX047687.D	Init. Calib. Date(s):	09/16/2025 09/16/2025
Heated Purge: (Y/N)	N	Init. Calib. Time(s):	09:23 12:01

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.960	2.077		5.97	50
m/p-Xylenes	0.729	0.766		5.07	50
o-Xylene	0.706	0.753		6.66	50
Styrene	1.236	1.317		6.55	50
Bromoform	0.293	0.304	0.1	3.75	50
Isopropylbenzene	3.801	3.941		3.68	50
1,1,2,2-Tetrachloroethane	1.150	1.206	0.3	4.87	50
1,3-Dichlorobenzene	1.739	1.790		2.93	50
1,4-Dichlorobenzene	1.785	1.808		1.29	50
1,2-Dichlorobenzene	1.657	1.710		3.2	50
1,2-Dibromo-3-Chloropropane	0.233	0.223		-4.29	50
1,2,4-Trichlorobenzene	1.077	1.094		1.58	50
1,2,3-Trichlorobenzene	1.002	0.985		-1.7	50
1,2-Dichloroethane-d4	0.796	0.848		6.53	50
Dibromofluoromethane	0.335	0.360		7.46	50
Toluene-d8	1.160	1.237		6.64	50
4-Bromofluorobenzene	0.440	0.465		5.68	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\VX091925\
Data File : VX047687.D
Acq On : 19 Sep 2025 19:03
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Sep 20 00:37:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 09/22/2025
Supervised By :Mahesh Dadoda 09/22/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.538	168	154405	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	278359	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	248998	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	120684	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	130953	53.282	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 106.560%			
35) Dibromofluoromethane	5.373	113	100288	53.721	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.440%			
50) Toluene-d8	8.635	98	344346	53.308	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 106.620%			
62) 4-Bromofluorobenzene	11.061	95	129494	52.822	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 105.640%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.179	85	101670	63.588	ug/l	98
3) Chloromethane	1.300	50	123827	58.927	ug/l	99
4) Vinyl Chloride	1.380	62	122810	59.703	ug/l	97
5) Bromomethane	1.617	94	77609	59.499	ug/l	100
6) Chloroethane	1.697	64	77528	56.391	ug/l	97
7) Trichlorofluoromethane	1.898	101	168856	55.285	ug/l	99
8) Diethyl Ether	2.136	74	68004	54.429	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.337	101	99678	55.814	ug/l	97
10) Methyl Iodide	2.459	142	146871	52.731	ug/l	100
11) Tert butyl alcohol	2.940	59	58211	212.661	ug/l	100
12) 1,1-Dichloroethene	2.325	96	100925	55.015	ug/l	95
13) Acrolein	2.239	56	68460	271.404	ug/l	98
14) Allyl chloride	2.666	41	195491	51.642	ug/l	98
15) Acrylonitrile	3.056	53	276208	272.421	ug/l	100
16) Acetone	2.373	43	211924	198.313	ug/l	96
17) Carbon Disulfide	2.520	76	289670	57.679	ug/l	100
18) Methyl Acetate	2.697	43	127073	53.432	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	351150	52.436	ug/l	99
20) Methylene Chloride	2.788	84	122715	54.250	ug/l	97
21) trans-1,2-Dichloroethene	3.093	96	109388	55.385	ug/l	97
22) Diisopropyl ether	3.751	45	400135	54.541	ug/l #	83
23) Vinyl Acetate	3.715	43	1611770	274.498	ug/l	100
24) 1,1-Dichloroethane	3.605	63	212751	54.560	ug/l	99
25) 2-Butanone	4.538	43	329510	247.197	ug/l	99
26) 2,2-Dichloropropane	4.471	77	145629	44.928	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	129834	53.677	ug/l	98
28) Bromochloromethane	4.885	49	91361	53.668	ug/l	99
29) Tetrahydrofuran	4.989	42	208846	260.441	ug/l	100
30) Chloroform	5.080	83	214531	54.443	ug/l	96
31) Cyclohexane	5.464	56	173386	53.387	ug/l	98
32) 1,1,1-Trichloroethane	5.379	97	178728	53.474	ug/l	100
36) 1,1-Dichloropropene	5.684	75	140108	51.362	ug/l	99
37) Ethyl Acetate	4.696	43	147497	50.499	ug/l	100
38) Carbon Tetrachloride	5.666	117	150656	50.831	ug/l	95
39) Methylcyclohexane	7.366	83	162143	52.363	ug/l	99
40) Benzene	6.025	78	445760	53.802	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091925\
Data File : VX047687.D
Acq On : 19 Sep 2025 19:03
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Sep 20 00:37:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 09/22/2025
Supervised By :Mahesh Dadoda 09/22/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.903	41	79917	53.000	ug/l		99
42) 1,2-Dichloroethane	6.074	62	163773	51.951	ug/l		98
43) Isopropyl Acetate	6.324	43	246265	51.410	ug/l		99
44) Trichloroethene	7.117	130	112580	56.204	ug/l		93
45) 1,2-Dichloropropane	7.415	63	114044	53.755	ug/l		99
46) Dibromomethane	7.568	93	81845	53.014	ug/l		97
47) Bromodichloromethane	7.805	83	169676	53.260	ug/l		97
48) Methyl methacrylate	7.677	41	124085	52.004	ug/l		98
49) 1,4-Dioxane	7.647	88	26594	1102.850	ug/l		97
51) 4-Methyl-2-Pentanone	8.555	43	702538	264.517	ug/l		99
52) Toluene	8.702	92	272421	53.368	ug/l		99
53) t-1,3-Dichloropropene	8.964	75	167442	51.527	ug/l		99
54) cis-1,3-Dichloropropene	8.354	75	179970	51.815	ug/l		99
55) 1,1,2-Trichloroethane	9.134	97	104952	53.322	ug/l		99
56) Ethyl methacrylate	9.104	69	165642	53.586	ug/l		98
57) 1,3-Dichloropropane	9.293	76	183018	54.129	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.226	63	384468	259.650	ug/l		100
59) 2-Hexanone	9.415	43	481662	252.510	ug/l		99
60) Dibromochloromethane	9.506	129	121253	53.465	ug/l		99
61) 1,2-Dibromoethane	9.592	107	110255	54.996	ug/l		99
64) Tetrachloroethene	9.262	164	84740	52.205	ug/l		95
65) Chlorobenzene	10.061	112	298639	52.793	ug/l		98
66) 1,1,1,2-Tetrachloroethane	10.146	131	101896	52.201	ug/l		97
67) Ethyl Benzene	10.177	91	517118	52.982	ug/l		99
68) m/p-Xylenes	10.287	106	381354	104.973	ug/l		99
69) o-Xylene	10.628	106	187399	53.332	ug/l		99
70) Styrene	10.640	104	327913	53.259	ug/l		99
71) Bromoform	10.780	173	75620	51.882	ug/l	#	98
73) Isopropylbenzene	10.945	105	475596	51.835	ug/l		100
74) N-amyl acetate	10.829	43	216669	51.785	ug/l		100
75) 1,1,2,2-Tetrachloroethane	11.195	83	145518	52.421	ug/l		98
76) 1,2,3-Trichloropropane	11.219	75	130064m	53.229	ug/l		
77) Bromobenzene	11.183	156	117390	51.947	ug/l		99
78) n-propylbenzene	11.286	91	565595	52.147	ug/l		100
79) 2-Chlorotoluene	11.347	91	341195	51.361	ug/l		100
80) 1,3,5-Trimethylbenzene	11.433	105	388702	51.564	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.000	75	43877	45.792	ug/l		97
82) 4-Chlorotoluene	11.439	91	401172	51.132	ug/l		98
83) tert-Butylbenzene	11.695	119	391982	50.797	ug/l		99
84) 1,2,4-Trimethylbenzene	11.732	105	397498	52.011	ug/l		100
85) sec-Butylbenzene	11.872	105	467967	51.055	ug/l		100
86) p-Isopropyltoluene	11.988	119	392640	50.599	ug/l		99
87) 1,3-Dichlorobenzene	11.951	146	215979	51.456	ug/l		99
88) 1,4-Dichlorobenzene	12.024	146	218234	50.659	ug/l		100
89) n-Butylbenzene	12.311	91	365418	50.892	ug/l		98
90) Hexachloroethane	12.518	117	68460	50.250	ug/l		98
91) 1,2-Dichlorobenzene	12.317	146	206378	51.610	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.920	75	26906	47.873	ug/l		95
93) 1,2,4-Trichlorobenzene	13.567	180	132061	50.815	ug/l		99
94) Hexachlorobutadiene	13.707	225	40751	46.163	ug/l		98
95) Naphthalene	13.756	128	395649	49.995	ug/l		100
96) 1,2,3-Trichlorobenzene	13.938	180	118876	49.173	ug/l		97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091925\
Data File : VX047687.D
Acq On : 19 Sep 2025 19:03
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Sep 20 00:37:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 09/22/2025
Supervised By :Mahesh Dadoda 09/22/2025

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

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

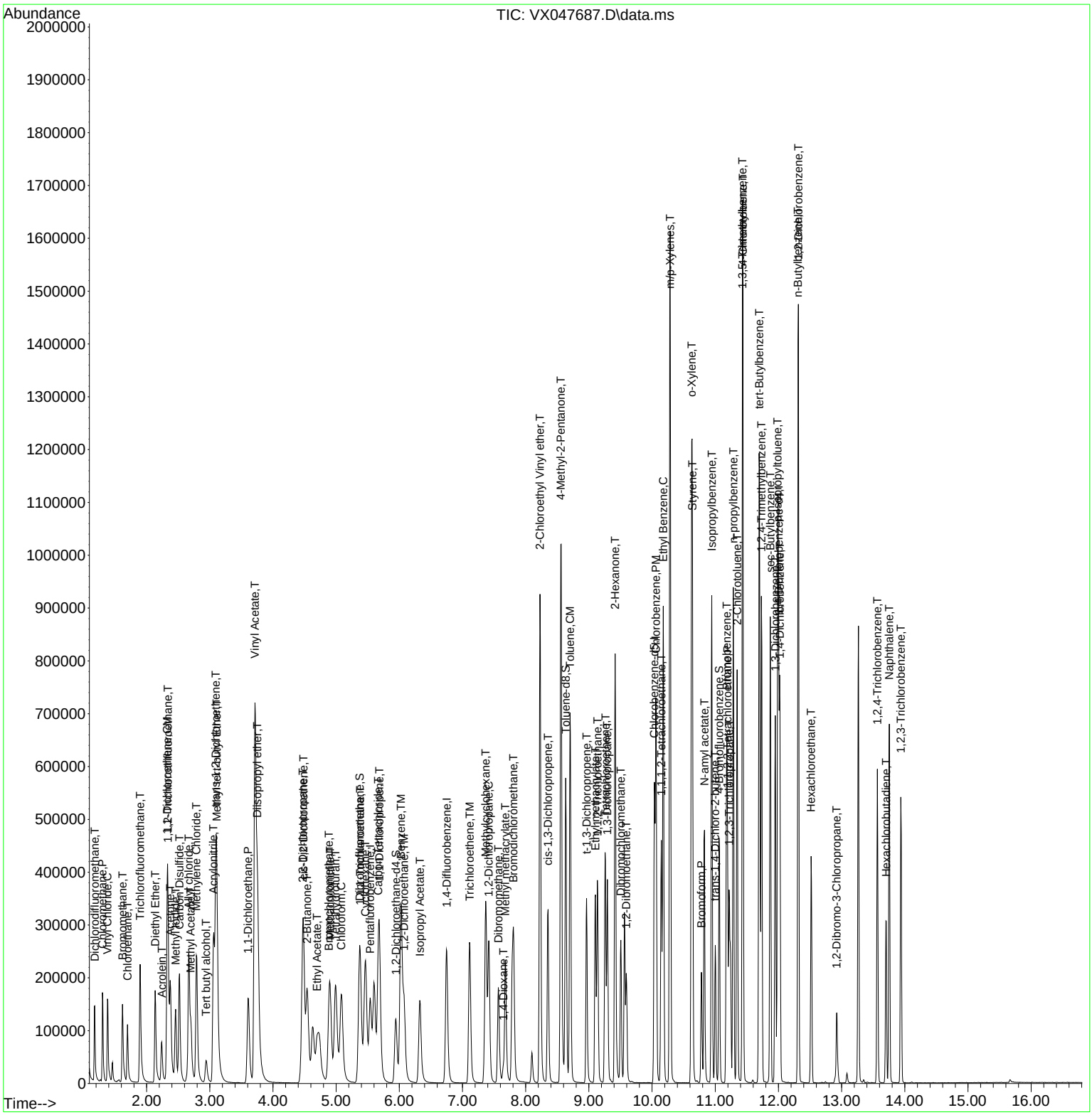
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091925\
Data File : VX047687.D
Acq On : 19 Sep 2025 19:03
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 29 Sample Multiplier: 1

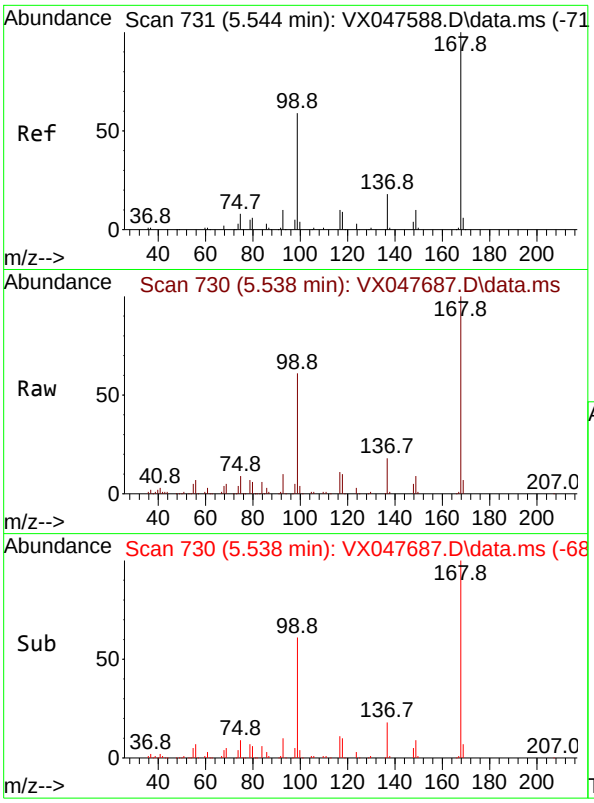
Quant Time: Sep 20 00:37:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 09/22/2025
Supervised By :Mahesh Dadoda 09/22/2025

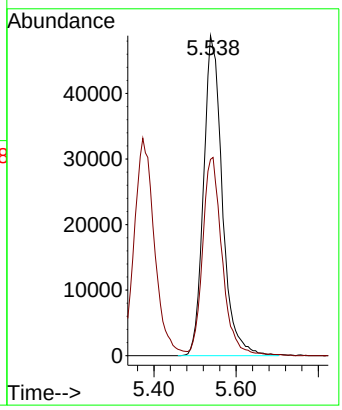




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047687.D
Acq: 19 Sep 2025 19:03

Tgt Ion:168 Resp: 15440

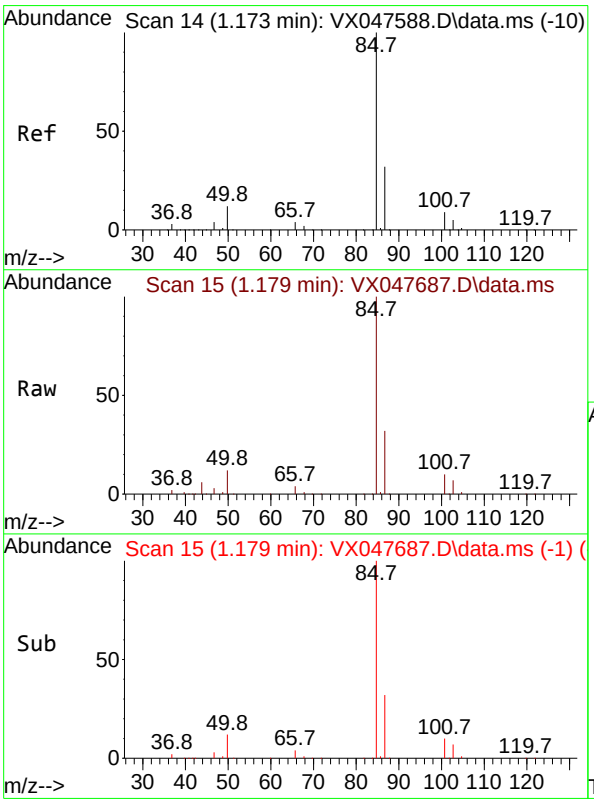
Ion	Ratio	Lower	Upper
168	100		
99	61.0	48.8	73.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

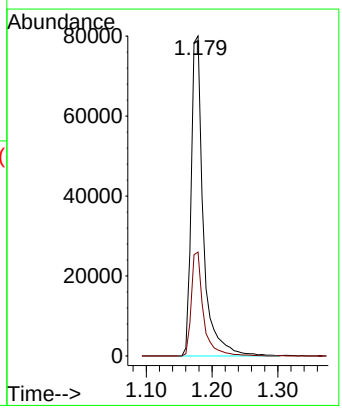
Reviewed By :Semsettin Yesilyurt 09/22/2025
Supervised By :Mahesh Dadoda 09/22/2025

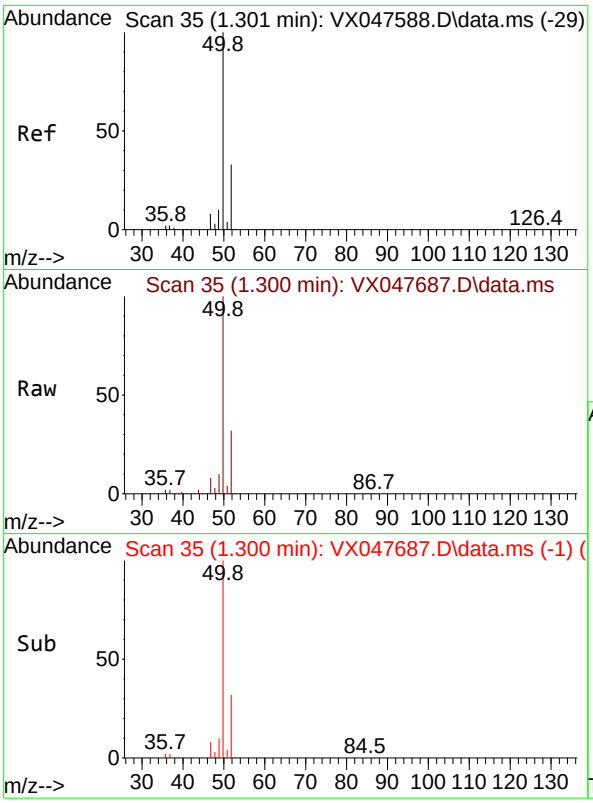


#2
Dichlorodifluoromethane
Concen: 63.588 ug/l
RT: 1.179 min Scan# 15
Delta R.T. 0.006 min
Lab File: VX047687.D
Acq: 19 Sep 2025 19:03

Tgt Ion: 85 Resp: 101670

Ion	Ratio	Lower	Upper
85	100		
87	32.5	15.8	47.3

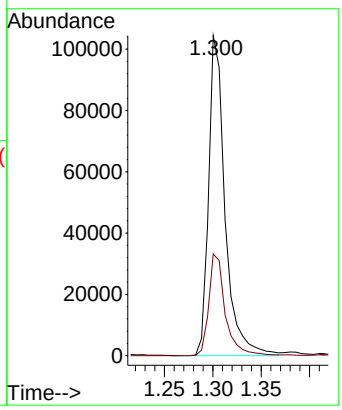




#3
Chloromethane
Concen: 58.927 ug/l
RT: 1.300 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047687.D
Acq: 19 Sep 2025 19:03

Tgt Ion: 50 Resp: 12382

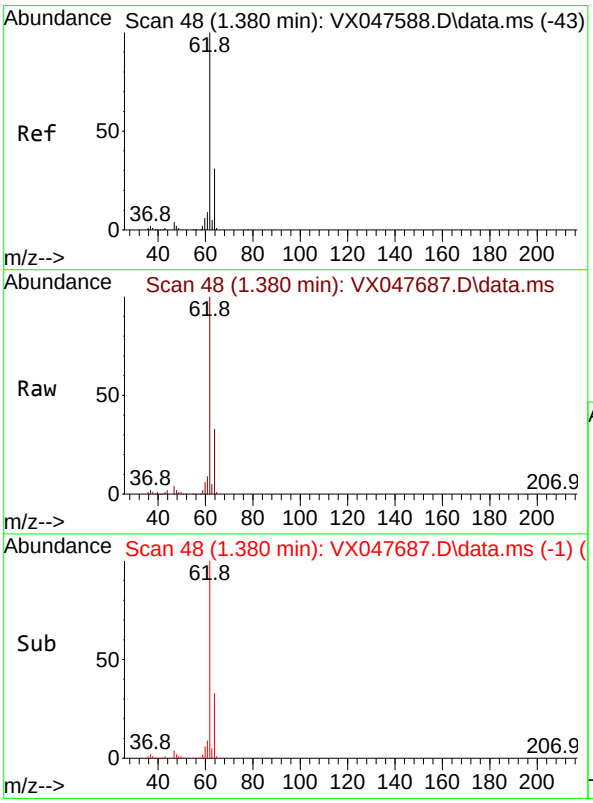
Ion	Ratio	Lower	Upper
50	100		
52	31.8	26.1	39.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

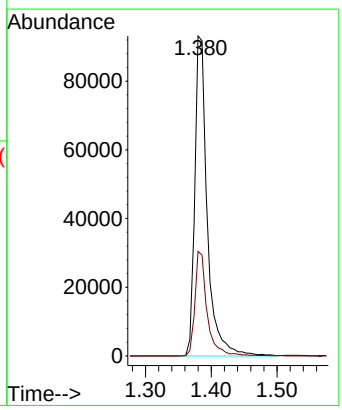
Reviewed By :Semsettin Yesilyurt 09/22/2025
Supervised By :Mahesh Dadoda 09/22/2025

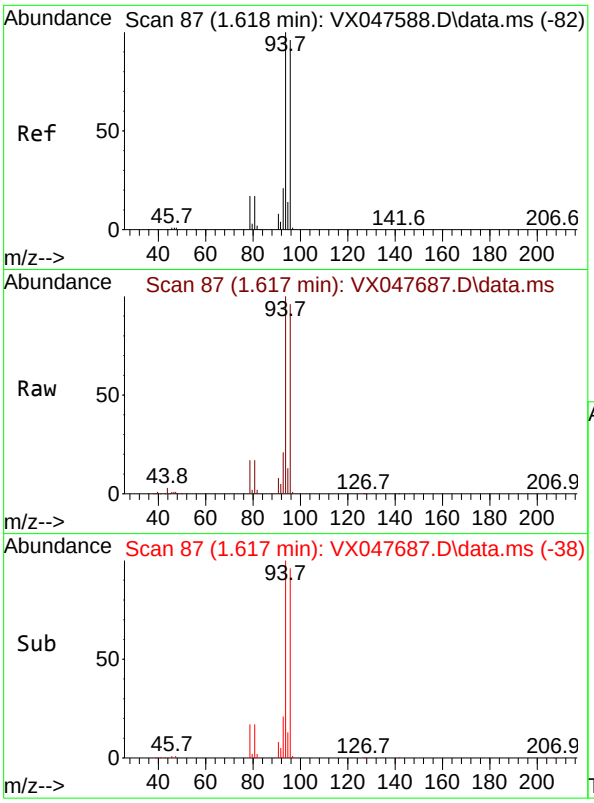


#4
Vinyl Chloride
Concen: 59.703 ug/l
RT: 1.380 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX047687.D
Acq: 19 Sep 2025 19:03

Tgt Ion: 62 Resp: 122810

Ion	Ratio	Lower	Upper
62	100		
64	32.7	24.9	37.3

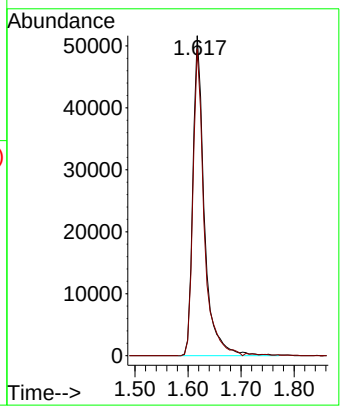




#5
Bromomethane
Concen: 59.499 ug/l
RT: 1.617 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX047687.D
Acq: 19 Sep 2025 19:03

Tgt Ion: 94 Resp: 7760

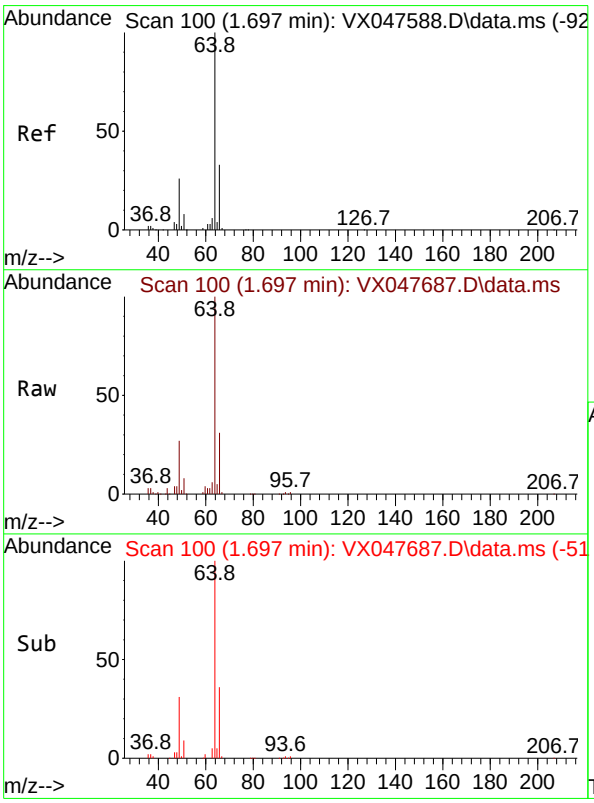
Ion	Ratio	Lower	Upper
94	100		
96	95.8	76.6	115.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

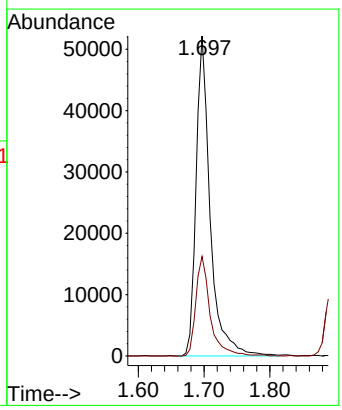
Reviewed By :Semsettin Yesilyurt 09/22/2025
Supervised By :Mahesh Dadoda 09/22/2025

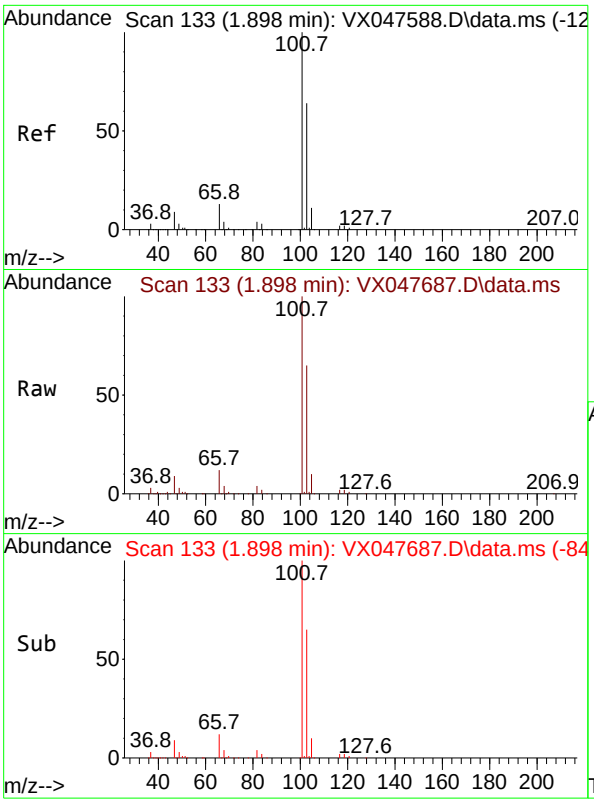


#6
Chloroethane
Concen: 56.391 ug/l
RT: 1.697 min Scan# 100
Delta R.T. -0.000 min
Lab File: VX047687.D
Acq: 19 Sep 2025 19:03

Tgt Ion: 64 Resp: 77528

Ion	Ratio	Lower	Upper
64	100		
66	31.1	26.1	39.1





#7
Trichlorofluoromethane
Concen: 55.285 ug/l
RT: 1.898 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047687.D
Acq: 19 Sep 2025 19:03

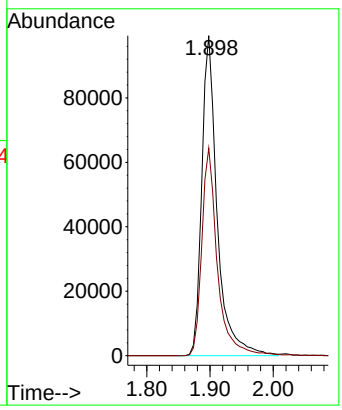
Tgt Ion:101 Resp: 16885

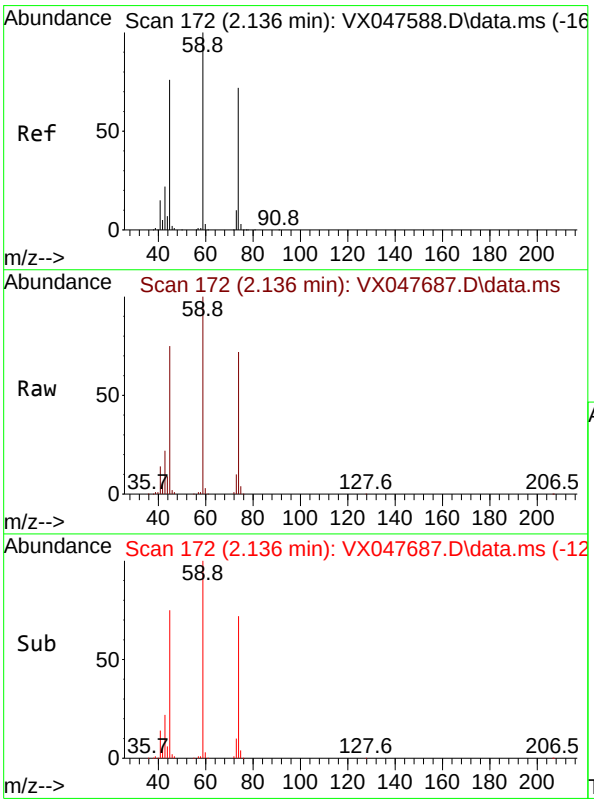
Ion	Ratio	Lower	Upper
101	100		
103	64.8	51.4	77.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 09/22/2025
Supervised By :Mahesh Dadoda 09/22/2025

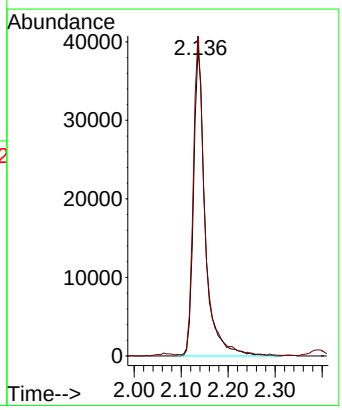


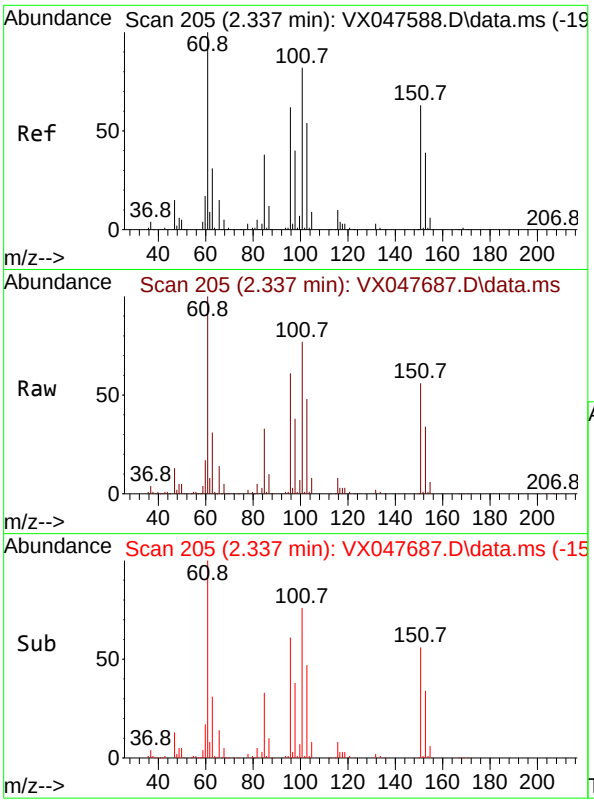


#8
Diethyl Ether
Concen: 54.429 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX047687.D
Acq: 19 Sep 2025 19:03

Tgt Ion: 74 Resp: 68004

Ion	Ratio	Lower	Upper
74	100		
45	103.2	52.3	156.8

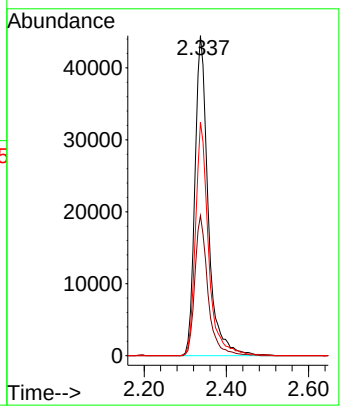




#9
1,1,2-Trichlorotrifluoroethane
Concen: 55.814 ug/l
RT: 2.337 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047687.D
Acq: 19 Sep 2025 19:03

Tgt Ion:101 Resp: 9967

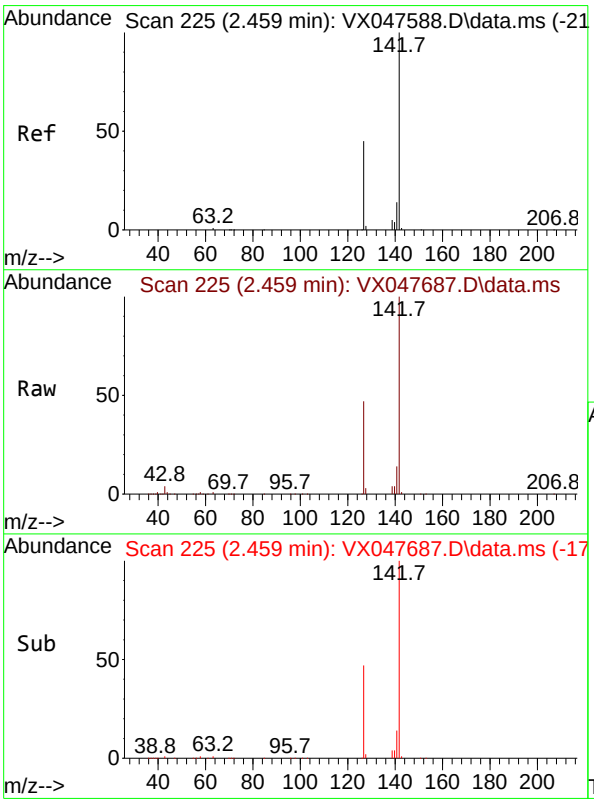
Ion	Ratio	Lower	Upper
101	100		
85	43.2	35.5	53.3
151	71.7	59.4	89.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

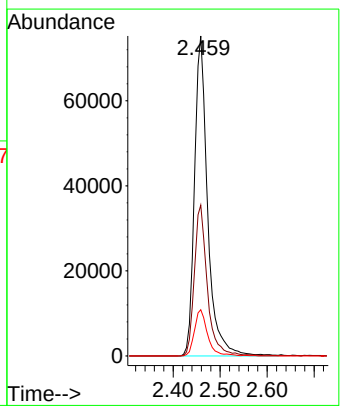
Reviewed By :Semsettin Yesilyurt 09/22/2025
Supervised By :Mahesh Dadoda 09/22/2025

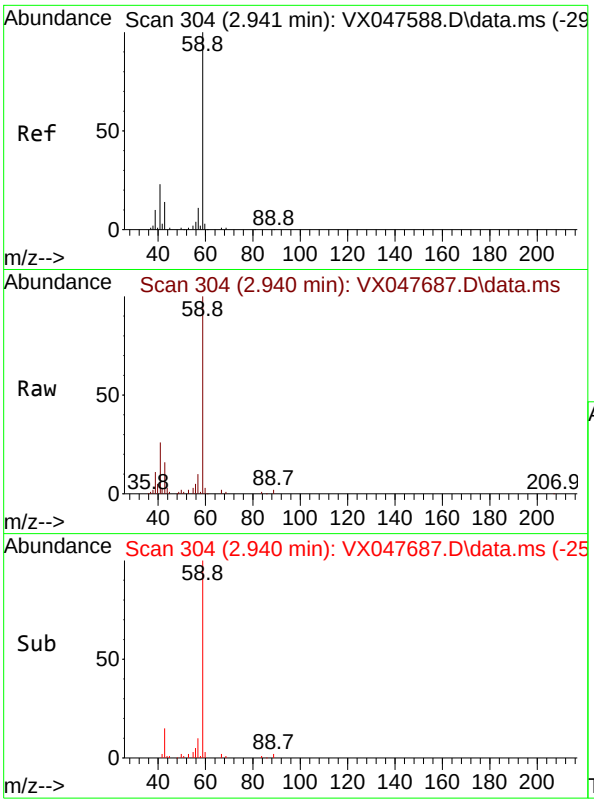


#10
Methyl Iodide
Concen: 52.731 ug/l
RT: 2.459 min Scan# 225
Delta R.T. -0.000 min
Lab File: VX047687.D
Acq: 19 Sep 2025 19:03

Tgt Ion:142 Resp: 146871

Ion	Ratio	Lower	Upper
142	100		
127	46.7	37.2	55.8
141	14.4	11.4	17.0





#11
Tert butyl alcohol
Concen: 212.661 ug/l
RT: 2.940 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047687.D
Acq: 19 Sep 2025 19:03

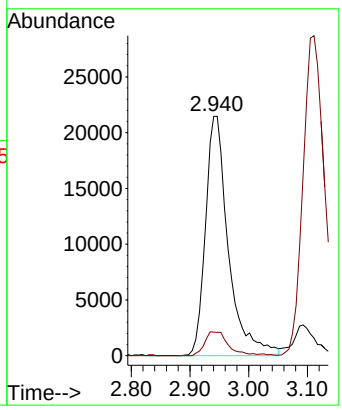
Tgt Ion: 59 Resp: 5821

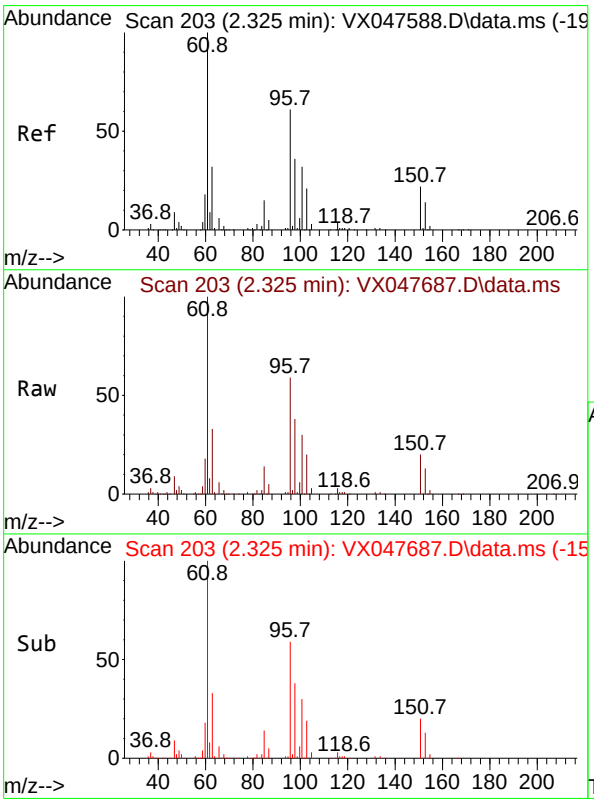
Ion	Ratio	Lower	Upper
59	100		
57	10.5	8.3	12.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 09/22/2025
Supervised By :Mahesh Dadoda 09/22/2025

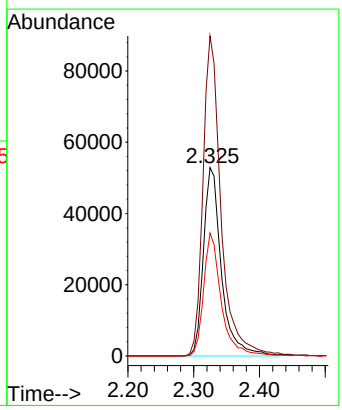


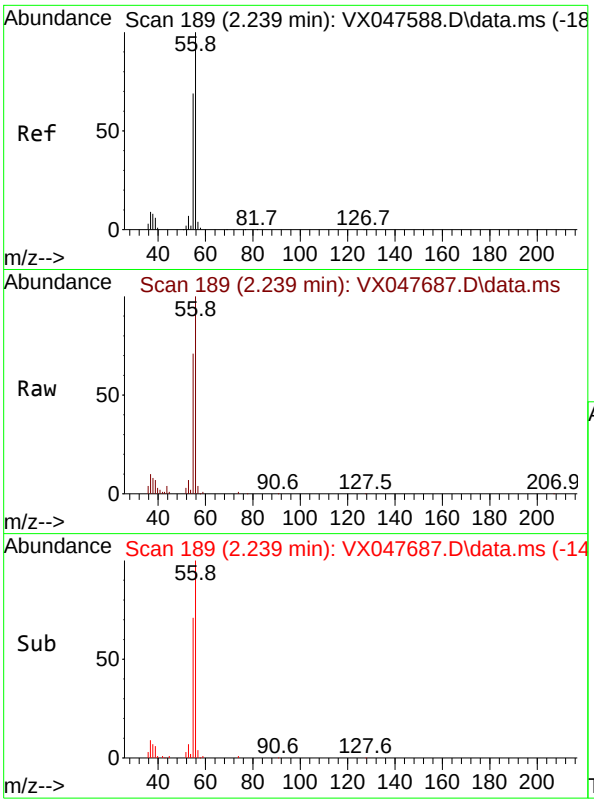


#12
1,1-Dichloroethene
Concen: 55.015 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX047687.D
Acq: 19 Sep 2025 19:03

Tgt Ion: 96 Resp: 100925

Ion	Ratio	Lower	Upper
96	100		
61	169.9	131.0	196.6
98	65.2	47.7	71.5

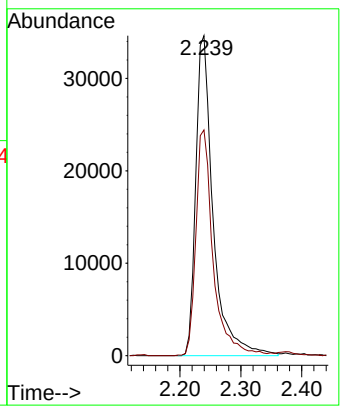




#13
Acrolein
Concen: 271.404 ug/l
RT: 2.239 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047687.D
Acq: 19 Sep 2025 19:03

Tgt Ion: 56 Resp: 6846

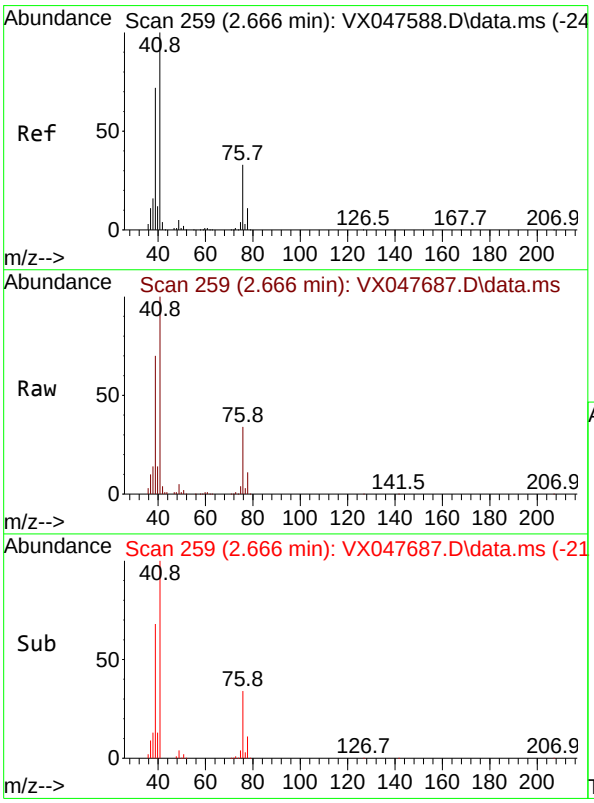
Ion	Ratio	Lower	Upper
56	100		
55	70.2	57.2	85.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

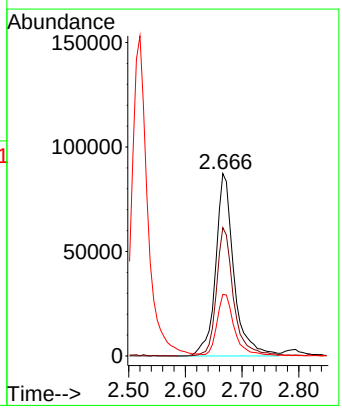
Reviewed By :Semsettin Yesilyurt 09/22/2025
Supervised By :Mahesh Dadoda 09/22/2025

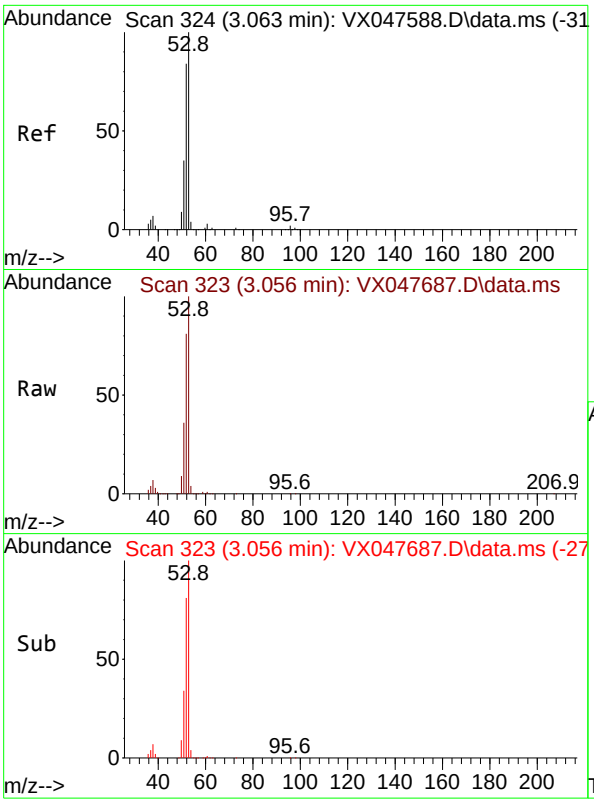


#14
Allyl chloride
Concen: 51.642 ug/l
RT: 2.666 min Scan# 259
Delta R.T. -0.000 min
Lab File: VX047687.D
Acq: 19 Sep 2025 19:03

Tgt Ion: 41 Resp: 195491

Ion	Ratio	Lower	Upper
41	100		
39	66.2	54.7	82.1
76	32.4	25.7	38.5

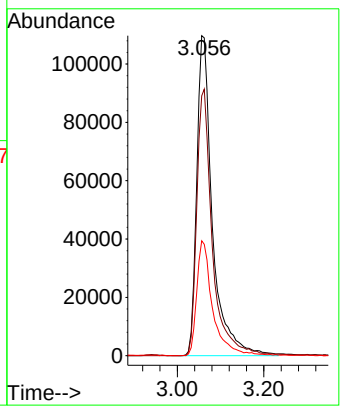




#15
Acrylonitrile
Concen: 272.421 ug/l
RT: 3.056 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047687.D
Acq: 19 Sep 2025 19:03

Tgt Ion: 53 Resp: 27620

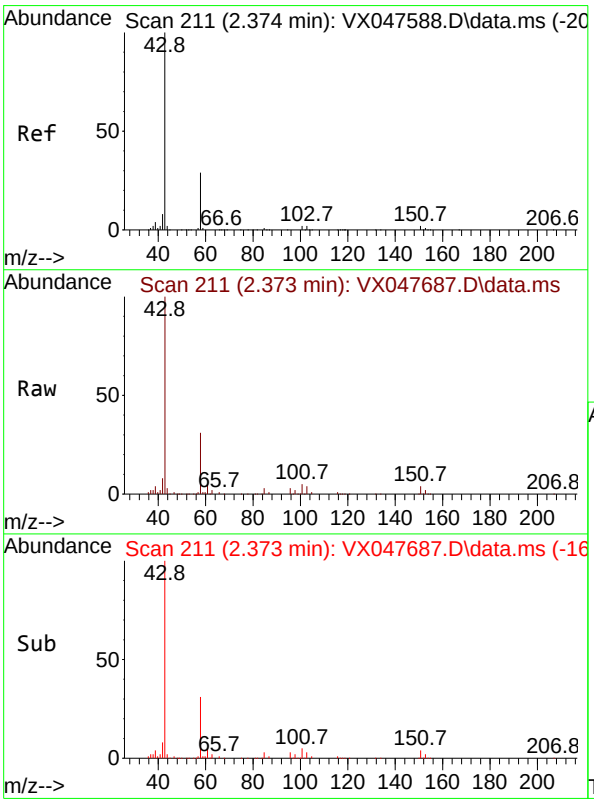
Ion	Ratio	Lower	Upper
53	100		
52	82.9	66.4	99.6
51	36.7	29.5	44.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

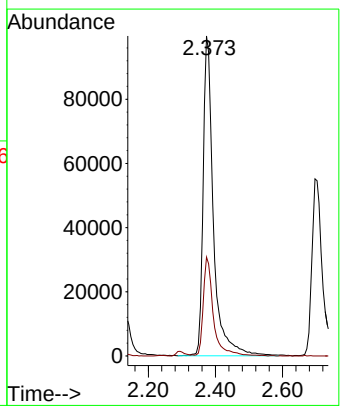
Reviewed By :Semsettin Yesilyurt 09/22/2025
Supervised By :Mahesh Dadoda 09/22/2025

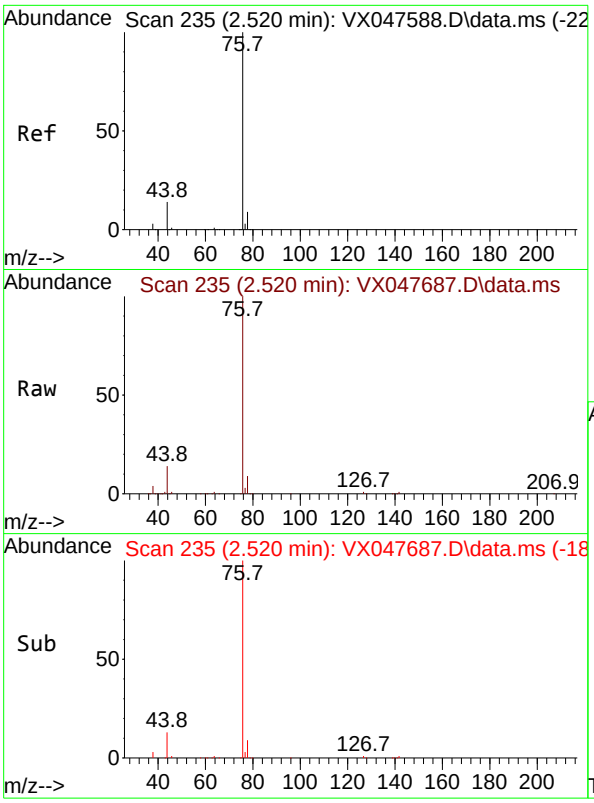


#16
Acetone
Concen: 198.313 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX047687.D
Acq: 19 Sep 2025 19:03

Tgt Ion: 43 Resp: 211924

Ion	Ratio	Lower	Upper
43	100		
58	31.2	23.4	35.0

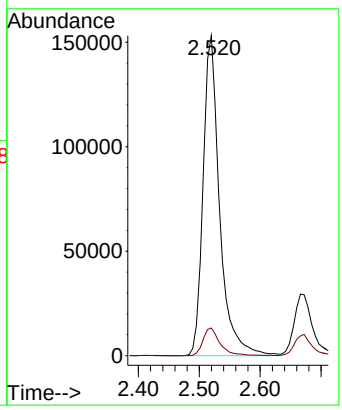




#17
Carbon Disulfide
Concen: 57.679 ug/l
RT: 2.520 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047687.D
Acq: 19 Sep 2025 19:03

Tgt Ion: 76 Resp: 28967

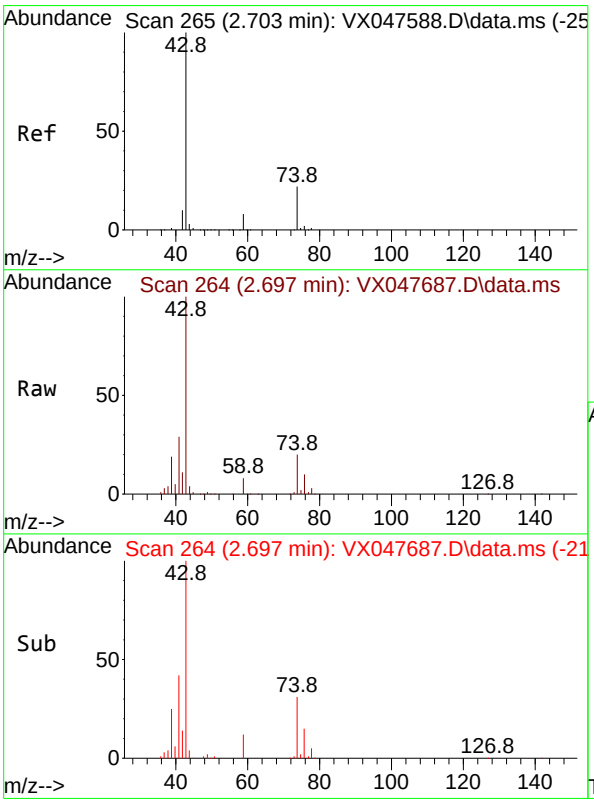
Ion	Ratio	Lower	Upper
76	100		
78	8.6	6.8	10.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

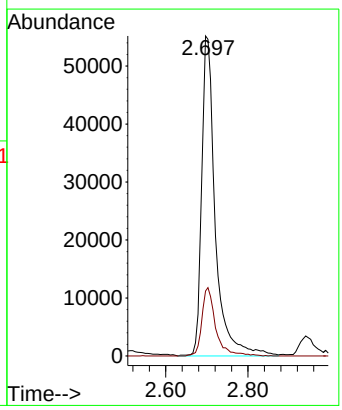
Reviewed By :Semsettin Yesilyurt 09/22/2025
Supervised By :Mahesh Dadoda 09/22/2025

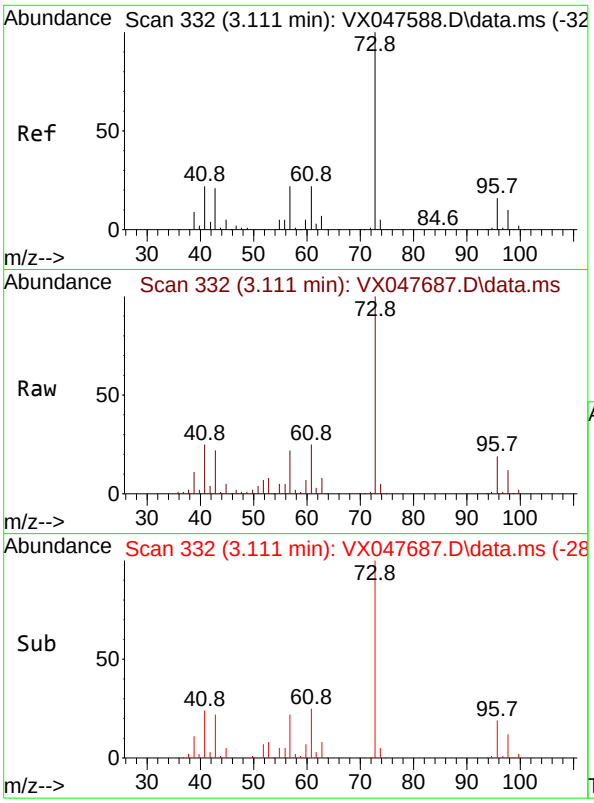


#18
Methyl Acetate
Concen: 53.432 ug/l
RT: 2.697 min Scan# 264
Delta R.T. -0.006 min
Lab File: VX047687.D
Acq: 19 Sep 2025 19:03

Tgt Ion: 43 Resp: 127073

Ion	Ratio	Lower	Upper
43	100		
74	21.7	17.4	26.2





#19
Methyl tert-butyl Ether
Concen: 52.436 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047687.D
Acq: 19 Sep 2025 19:03

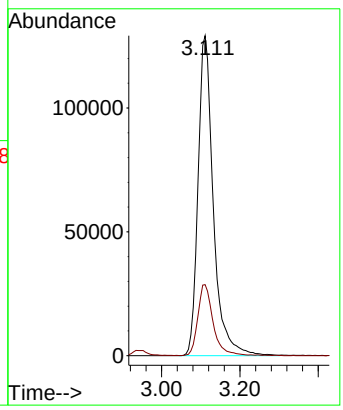
Tgt Ion: 73 Resp: 35115

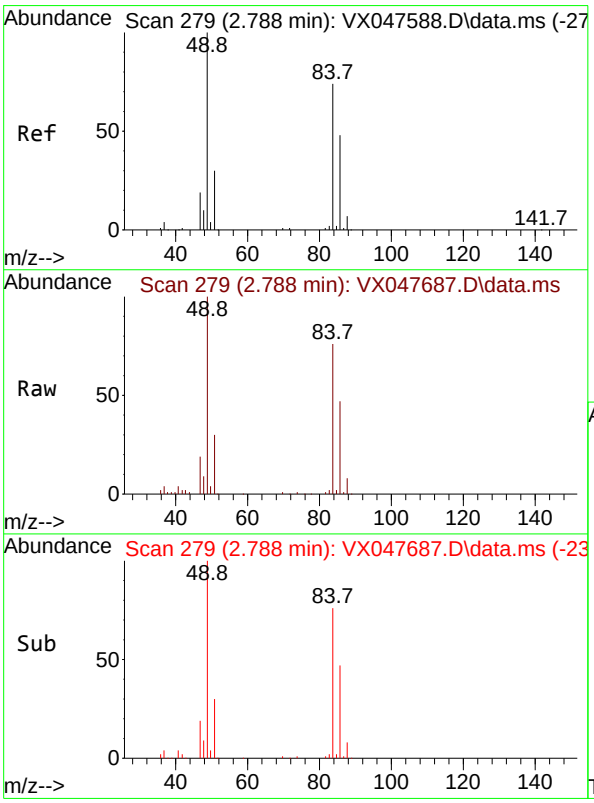
Ion	Ratio	Lower	Upper
73	100		
57	22.2	17.4	26.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 09/22/2025
Supervised By :Mahesh Dadoda 09/22/2025

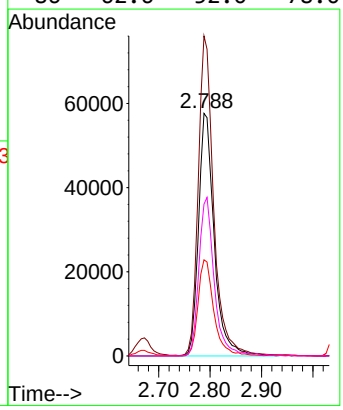


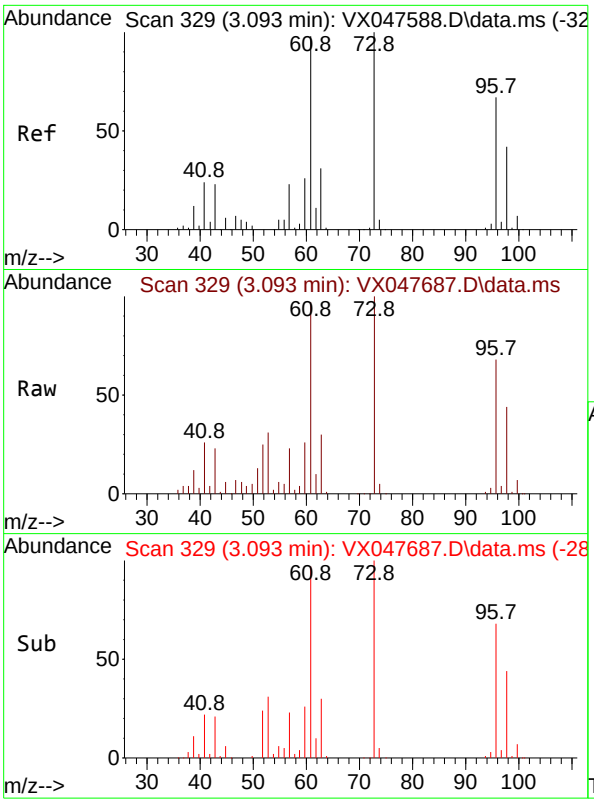


#20
Methylene Chloride
Concen: 54.250 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX047687.D
Acq: 19 Sep 2025 19:03

Tgt Ion: 84 Resp: 122715

Ion	Ratio	Lower	Upper
84	100		
49	131.7	108.6	162.8
51	40.1	32.6	48.8
86	62.6	52.0	78.0

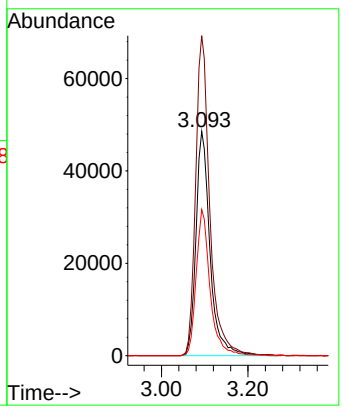




#21
trans-1,2-Dichloroethene
Concen: 55.385 ug/l
RT: 3.093 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047687.D
Acq: 19 Sep 2025 19:03

Tgt Ion: 96 Resp: 10938

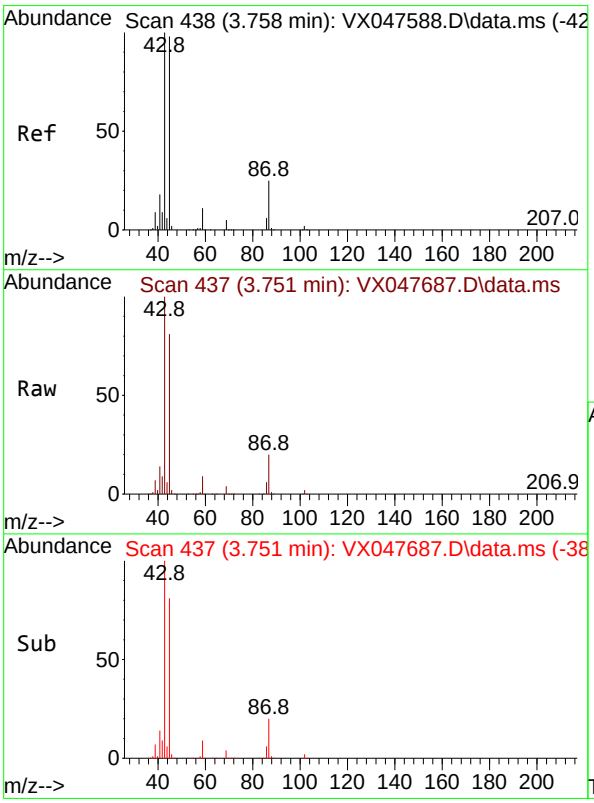
Ion	Ratio	Lower	Upper
96	100		
61	142.7	116.2	174.2
98	65.1	49.3	73.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

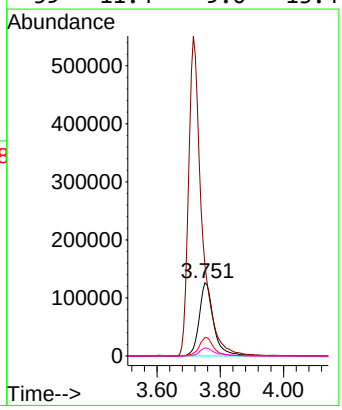
Reviewed By :Semsettin Yesilyurt 09/22/2025
Supervised By :Mahesh Dadoda 09/22/2025

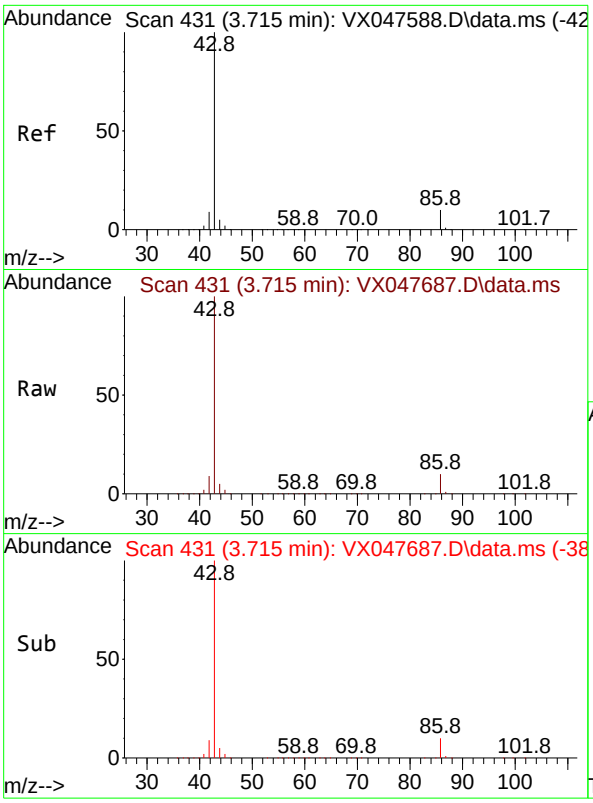


#22
Diisopropyl ether
Concen: 54.541 ug/l
RT: 3.751 min Scan# 437
Delta R.T. -0.006 min
Lab File: VX047687.D
Acq: 19 Sep 2025 19:03

Tgt Ion: 45 Resp: 400135

Ion	Ratio	Lower	Upper
45	100		
43	123.7	81.0	121.4#
87	25.1	20.3	30.5
59	11.4	9.0	13.4

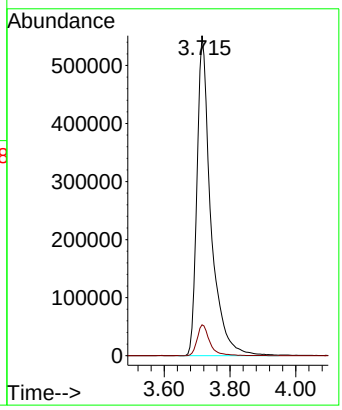




#23
Vinyl Acetate
Concen: 274.498 ug/l
RT: 3.715 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX047687.D
Acq: 19 Sep 2025 19:03

Tgt Ion: 43 Resp: 161177

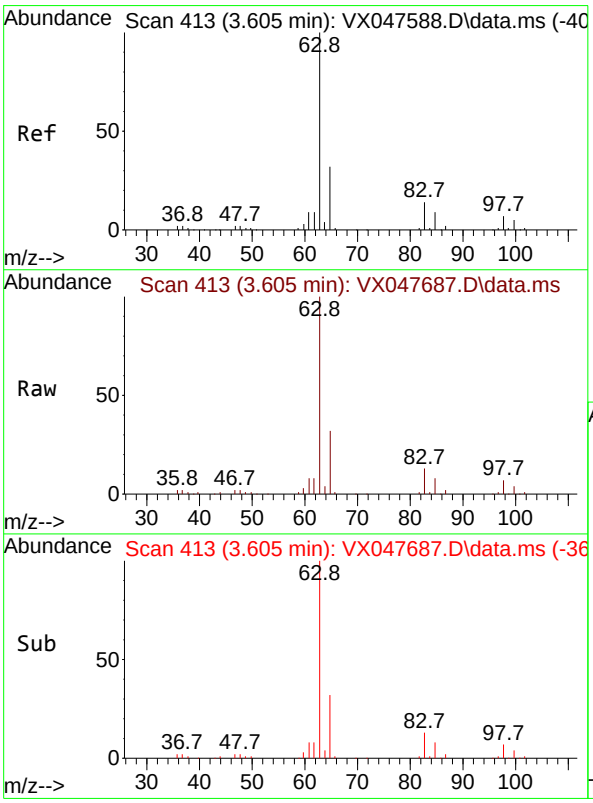
Ion	Ratio	Lower	Upper
43	100		
86	9.6	7.8	11.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

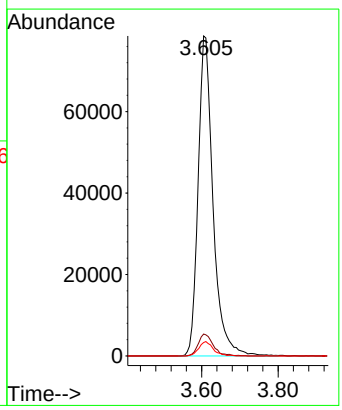
Reviewed By :Semsettin Yesilyurt 09/22/2025
Supervised By :Mahesh Dadoda 09/22/2025

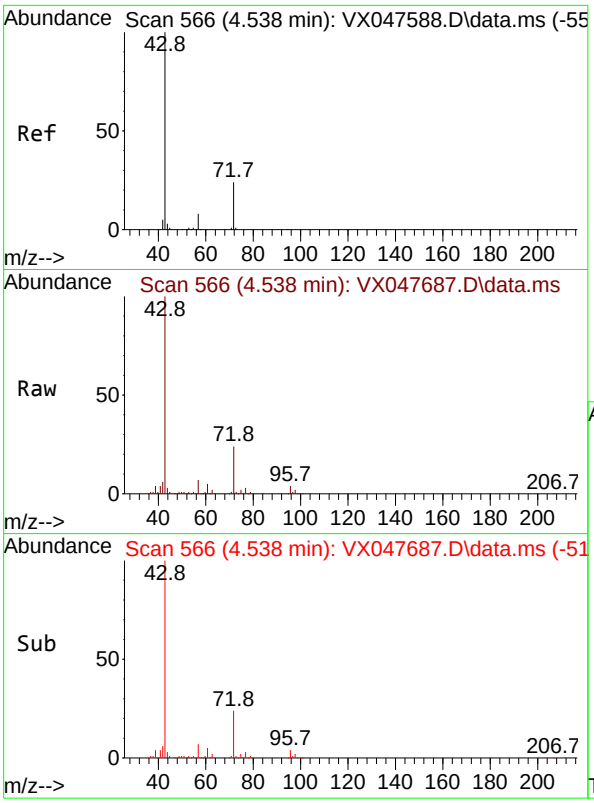


#24
1,1-Dichloroethane
Concen: 54.560 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX047687.D
Acq: 19 Sep 2025 19:03

Tgt Ion: 63 Resp: 212751

Ion	Ratio	Lower	Upper
63	100		
98	7.3	3.8	11.2
100	4.2	2.3	6.9





#25
2-Butanone
Concen: 247.197 ug/l
RT: 4.538 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX047687.D
Acq: 19 Sep 2025 19:03

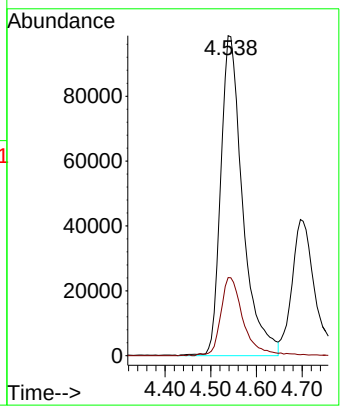
Tgt Ion: 43 Resp: 32951

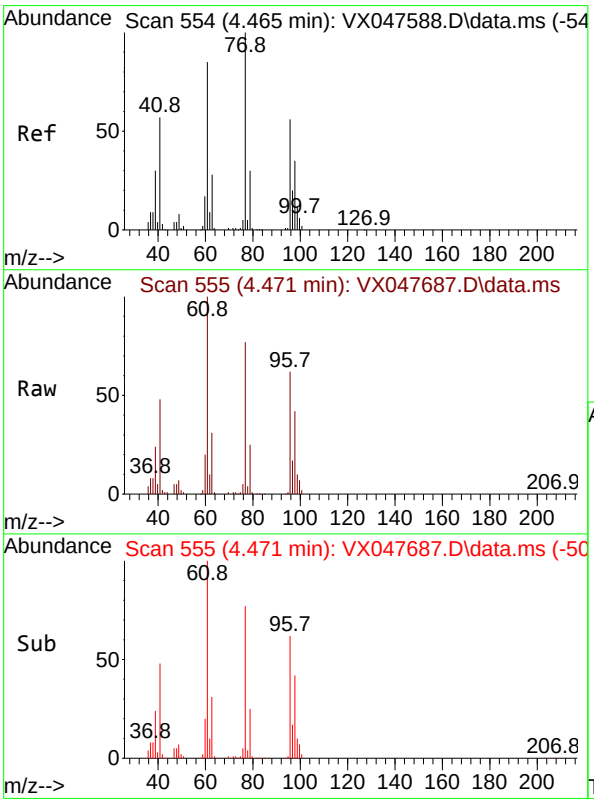
Ion	Ratio	Lower	Upper
43	100		
72	24.5	20.1	30.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 09/22/2025
Supervised By :Mahesh Dadoda 09/22/2025

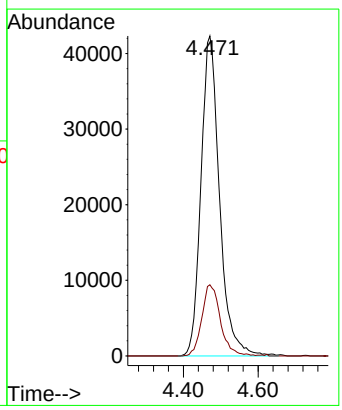


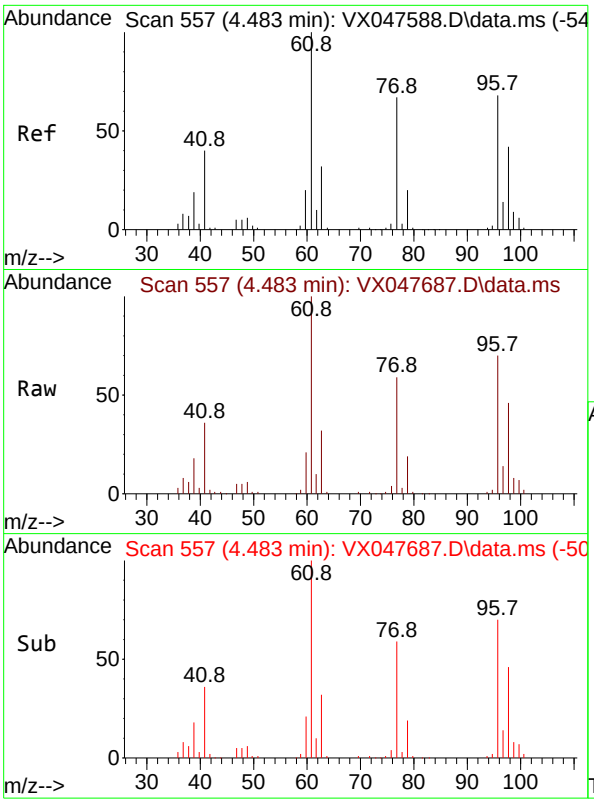


#26
2,2-Dichloropropane
Concen: 44.928 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX047687.D
Acq: 19 Sep 2025 19:03

Tgt Ion: 77 Resp: 145629

Ion	Ratio	Lower	Upper
77	100		
97	22.4	10.9	32.7

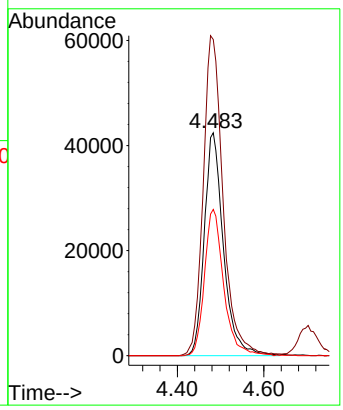




#27
cis-1,2-Dichloroethene
Concen: 53.677 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX047687.D
Acq: 19 Sep 2025 19:03

Tgt Ion: 96 Resp: 12983

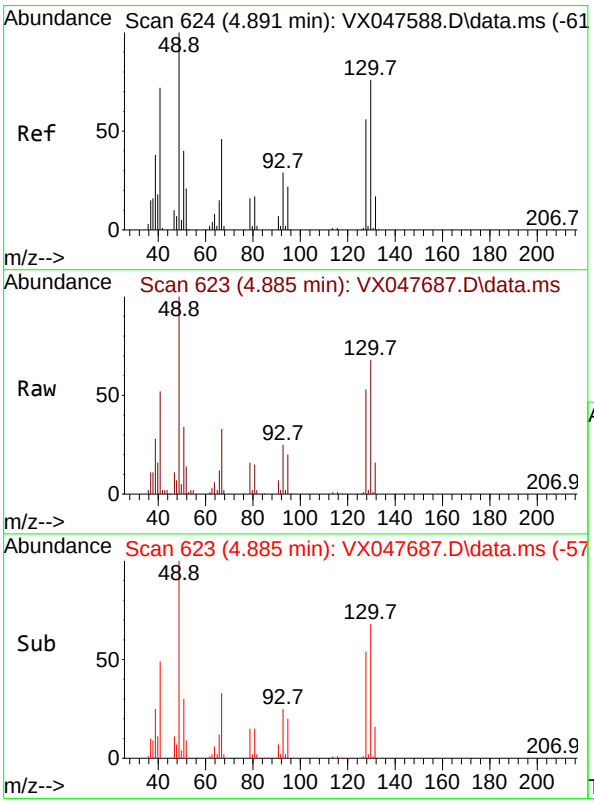
Ion	Ratio	Lower	Upper
96	100		
61	149.6	0.0	303.2
98	66.1	0.0	127.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

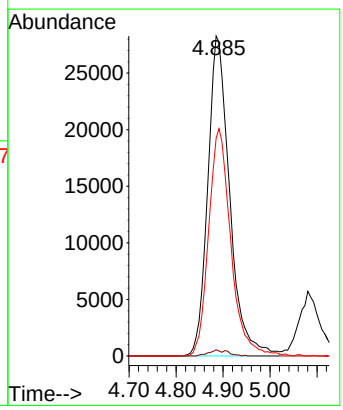
Reviewed By :Semsettin Yesilyurt 09/22/2025
Supervised By :Mahesh Dadoda 09/22/2025

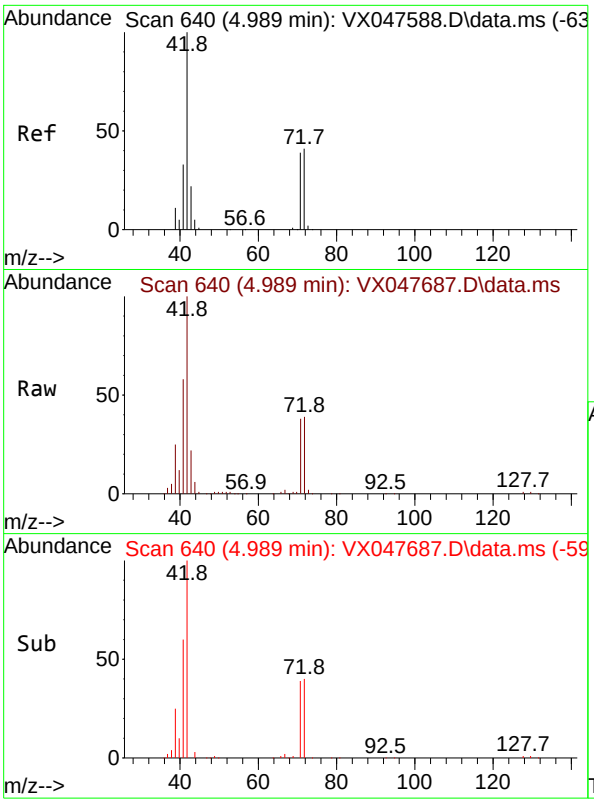


#28
Bromochloromethane
Concen: 53.668 ug/l
RT: 4.885 min Scan# 623
Delta R.T. -0.006 min
Lab File: VX047687.D
Acq: 19 Sep 2025 19:03

Tgt Ion: 49 Resp: 91361

Ion	Ratio	Lower	Upper
49	100		
129	1.1	0.0	3.2
130	71.8	57.8	86.8





#29
Tetrahydrofuran
Concen: 260.441 ug/l
RT: 4.989 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX047687.D
Acq: 19 Sep 2025 19:03

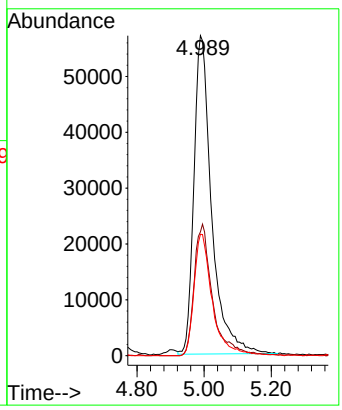
Tgt Ion: 42 Resp: 20884

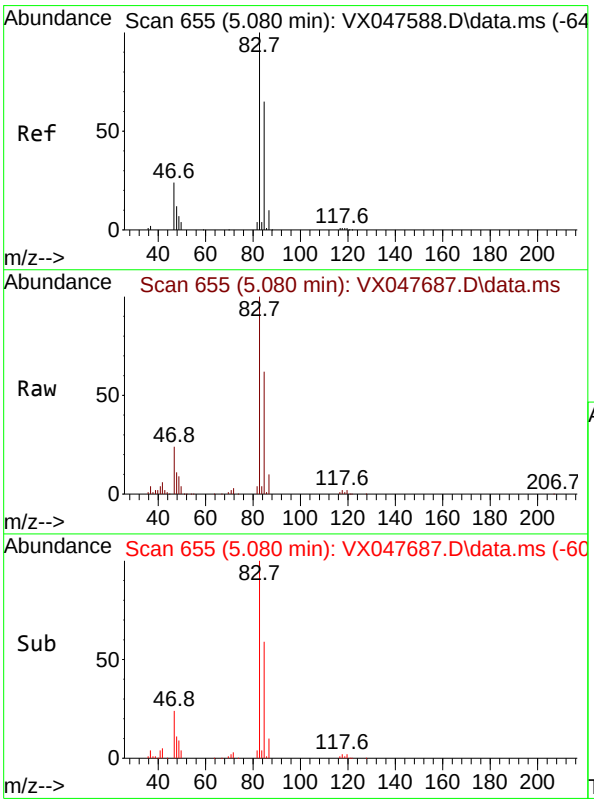
Ion	Ratio	Lower	Upper
42	100		
72	42.8	34.2	51.2
71	39.4	31.9	47.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 09/22/2025
Supervised By :Mahesh Dadoda 09/22/2025

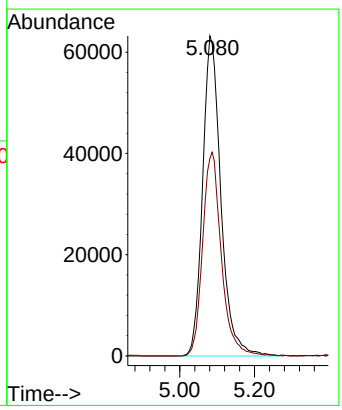


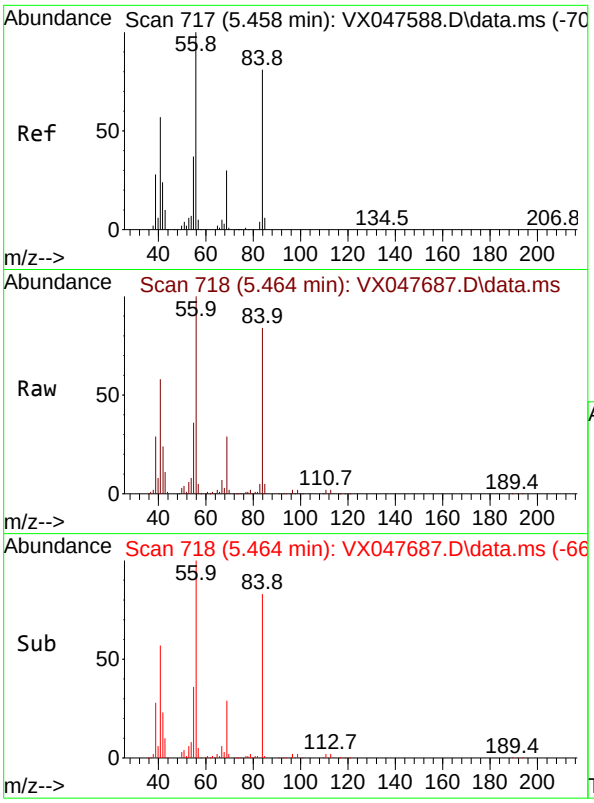


#30
Chloroform
Concen: 54.443 ug/l
RT: 5.080 min Scan# 655
Delta R.T. -0.000 min
Lab File: VX047687.D
Acq: 19 Sep 2025 19:03

Tgt Ion: 83 Resp: 214531

Ion	Ratio	Lower	Upper
83	100		
85	61.7	51.8	77.6

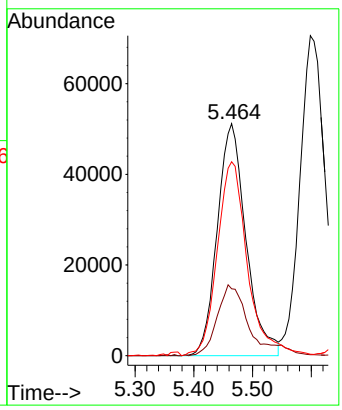




#31
Cyclohexane
Concen: 53.387 ug/l
RT: 5.464 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047687.D
Acq: 19 Sep 2025 19:03

Tgt Ion: 56 Resp: 17338

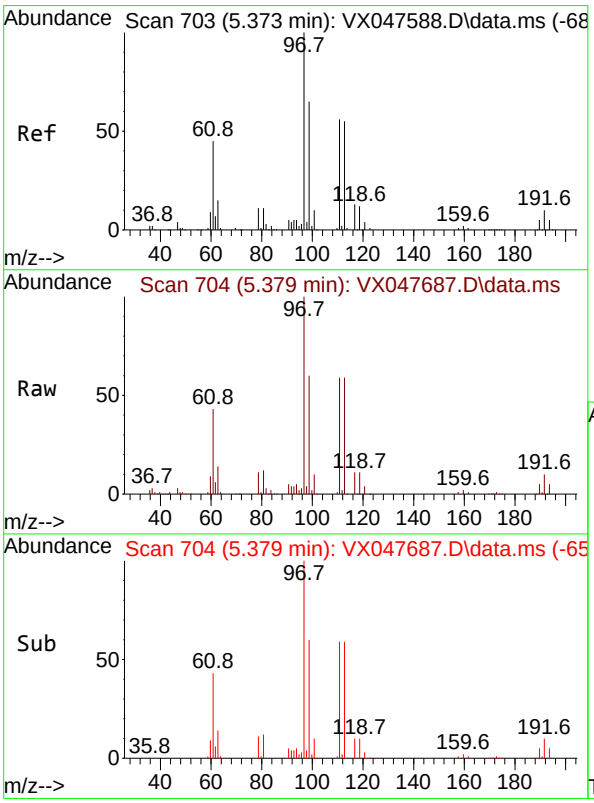
Ion	Ratio	Lower	Upper
56	100		
69	28.3	23.8	35.8
84	82.0	64.6	97.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

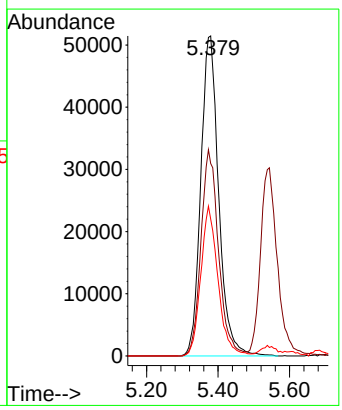
Reviewed By :Semsettin Yesilyurt 09/22/2025
Supervised By :Mahesh Dadoda 09/22/2025

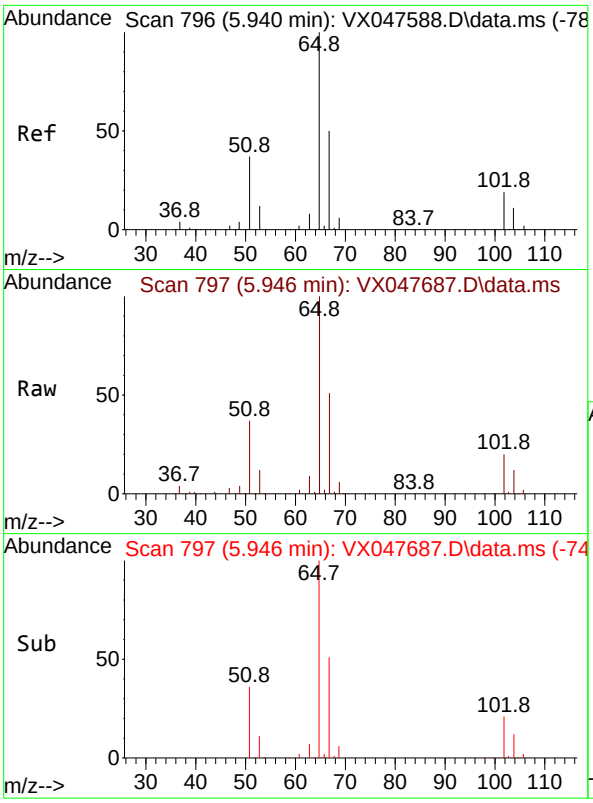


#32
1,1,1-Trichloroethane
Concen: 53.474 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX047687.D
Acq: 19 Sep 2025 19:03

Tgt Ion: 97 Resp: 178728

Ion	Ratio	Lower	Upper
97	100		
99	63.5	50.6	76.0
61	45.0	35.8	53.8

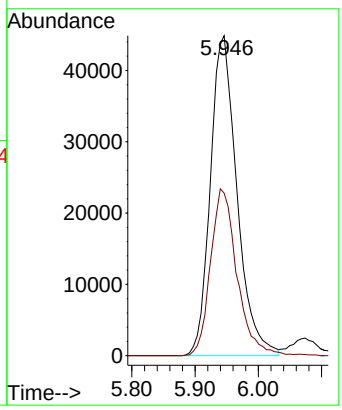




#33
1,2-Dichloroethane-d4
Concen: 53.282 ug/l
RT: 5.946 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047687.D
Acq: 19 Sep 2025 19:03

Tgt Ion: 65 Resp: 13095

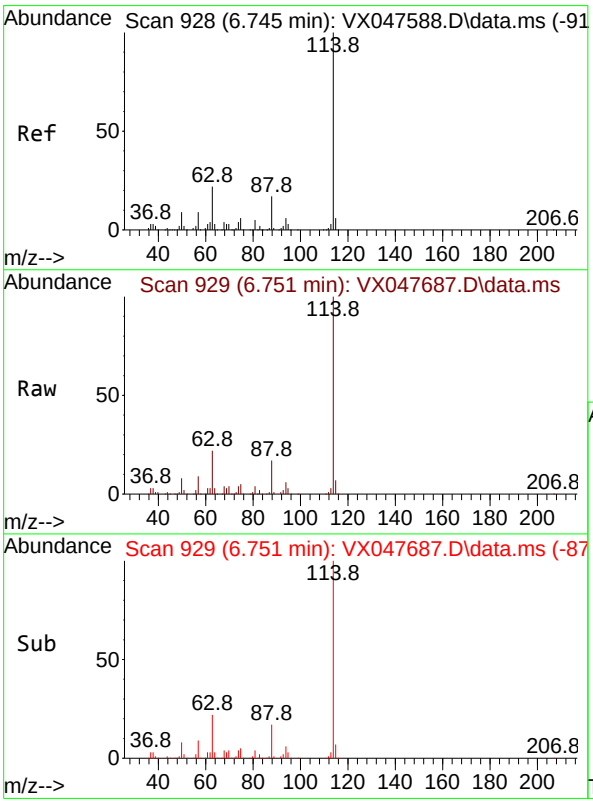
Ion	Ratio	Lower	Upper
65	100		
67	52.1	0.0	103.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

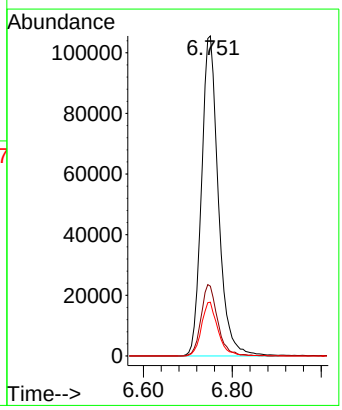
Reviewed By :Semsettin Yesilyurt 09/22/2025
Supervised By :Mahesh Dadoda 09/22/2025

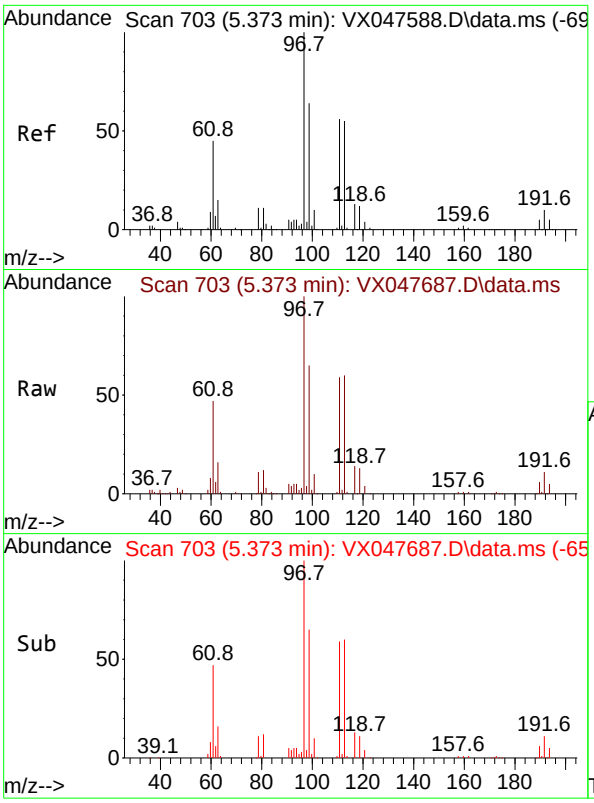


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 929
Delta R.T. 0.006 min
Lab File: VX047687.D
Acq: 19 Sep 2025 19:03

Tgt Ion:114 Resp: 278359

Ion	Ratio	Lower	Upper
114	100		
63	21.8	0.0	44.0
88	16.8	0.0	34.2

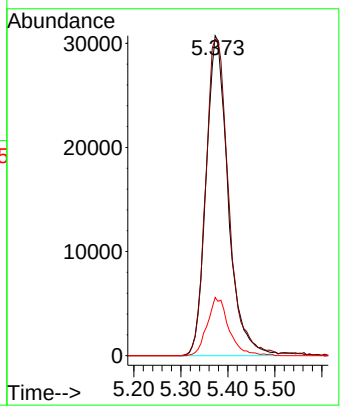




#35
Dibromofluoromethane
Concen: 53.721 ug/l
RT: 5.373 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047687.D
Acq: 19 Sep 2025 19:03

Tgt Ion:113 Resp: 10028

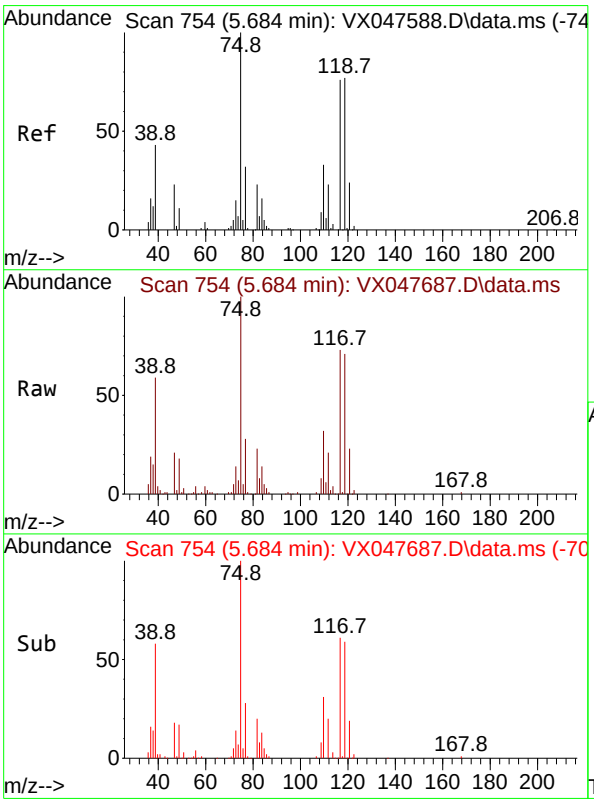
Ion	Ratio	Lower	Upper
113	100		
111	102.7	80.9	121.3
192	17.9	14.2	21.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

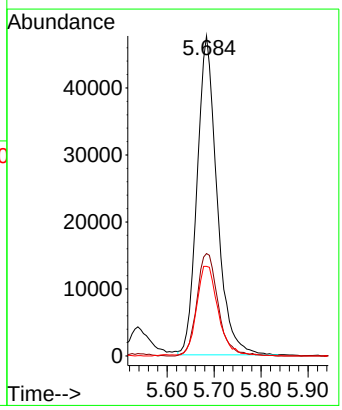
Reviewed By :Semsettin Yesilyurt 09/22/2025
Supervised By :Mahesh Dadoda 09/22/2025

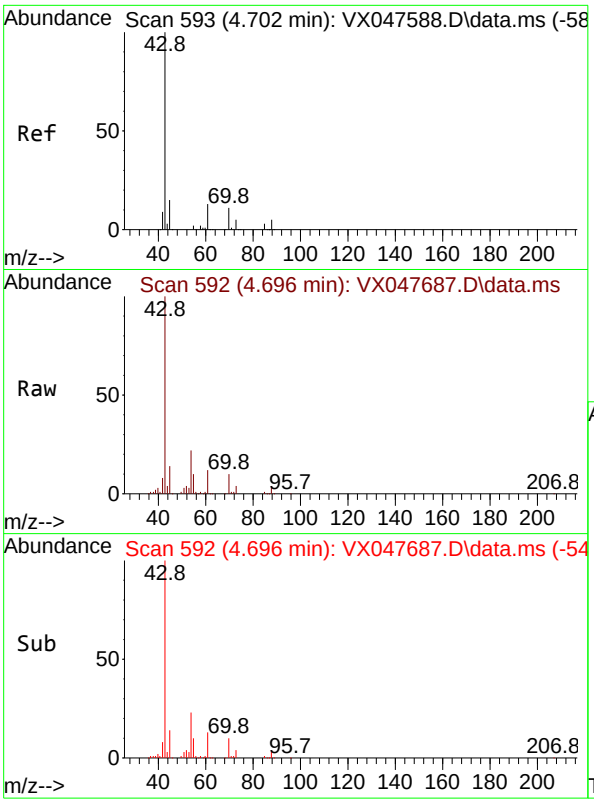


#36
1,1-Dichloropropene
Concen: 51.362 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.000 min
Lab File: VX047687.D
Acq: 19 Sep 2025 19:03

Tgt Ion: 75 Resp: 140108

Ion	Ratio	Lower	Upper
75	100		
110	34.5	16.7	50.1
77	30.8	24.3	36.5





#37
Ethyl Acetate
Concen: 50.499 ug/l
RT: 4.696 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX047687.D
Acq: 19 Sep 2025 19:03

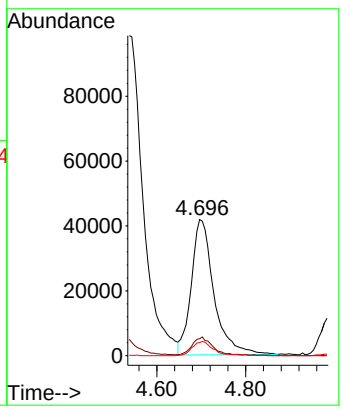
Tgt Ion: 43 Resp: 14749

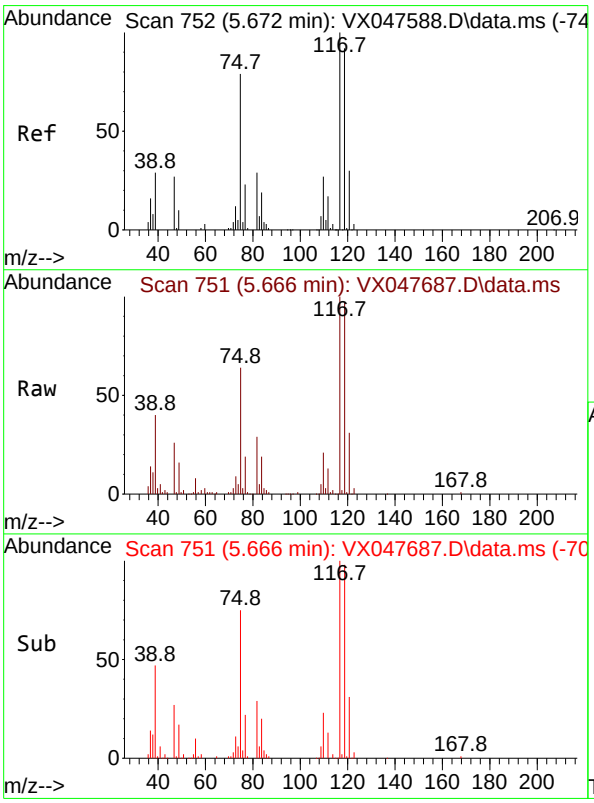
Ion	Ratio	Lower	Upper
43	100		
61	12.0	9.8	14.8
70	9.9	7.9	11.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 09/22/2025
Supervised By :Mahesh Dadoda 09/22/2025

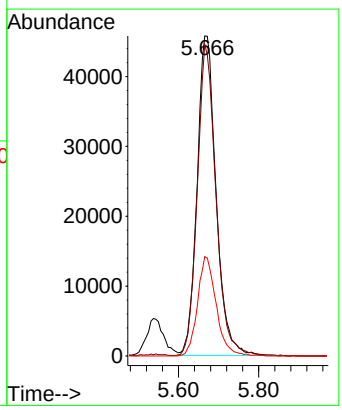


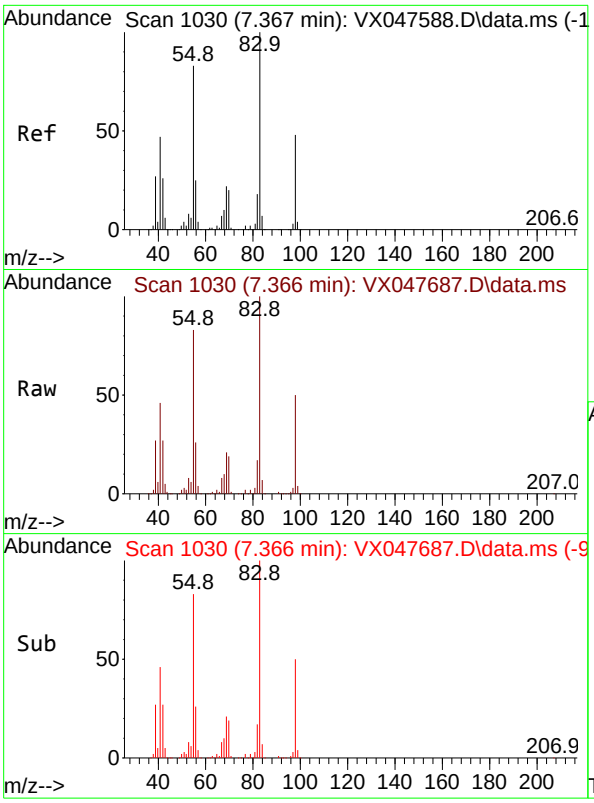


#38
Carbon Tetrachloride
Concen: 50.831 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX047687.D
Acq: 19 Sep 2025 19:03

Tgt Ion:117 Resp: 150656

Ion	Ratio	Lower	Upper
117	100		
119	97.5	73.4	110.2
121	31.1	23.8	35.6





#39
Methylcyclohexane
Concen: 52.363 ug/l
RT: 7.366 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047687.D
Acq: 19 Sep 2025 19:03

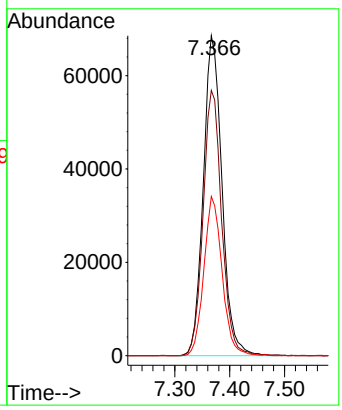
Tgt Ion: 83 Resp: 16214

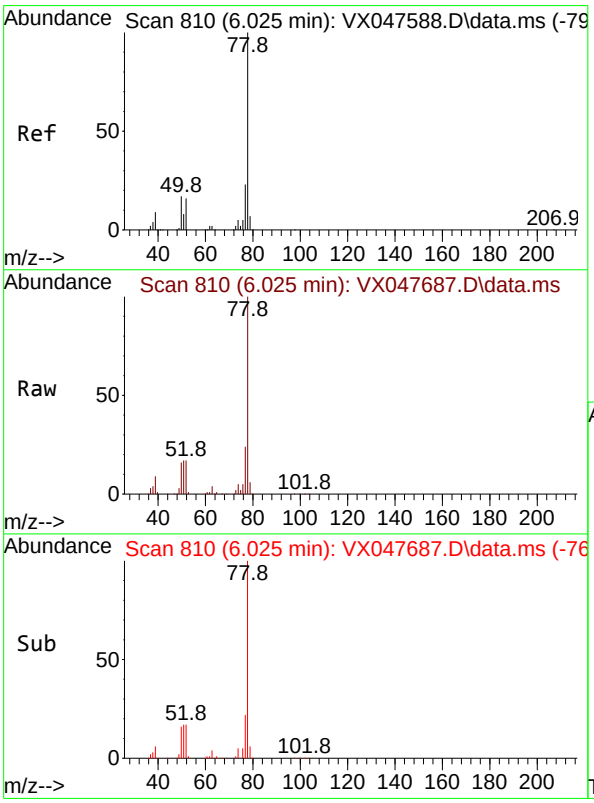
Ion	Ratio	Lower	Upper
83	100		
55	82.9	66.4	99.6
98	49.7	38.1	57.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 09/22/2025
Supervised By :Mahesh Dadoda 09/22/2025

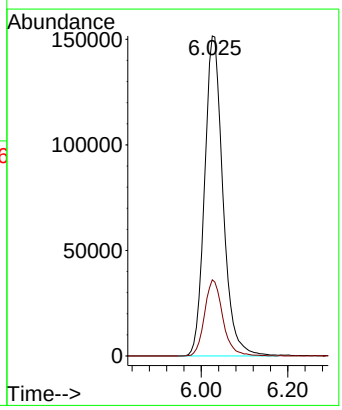


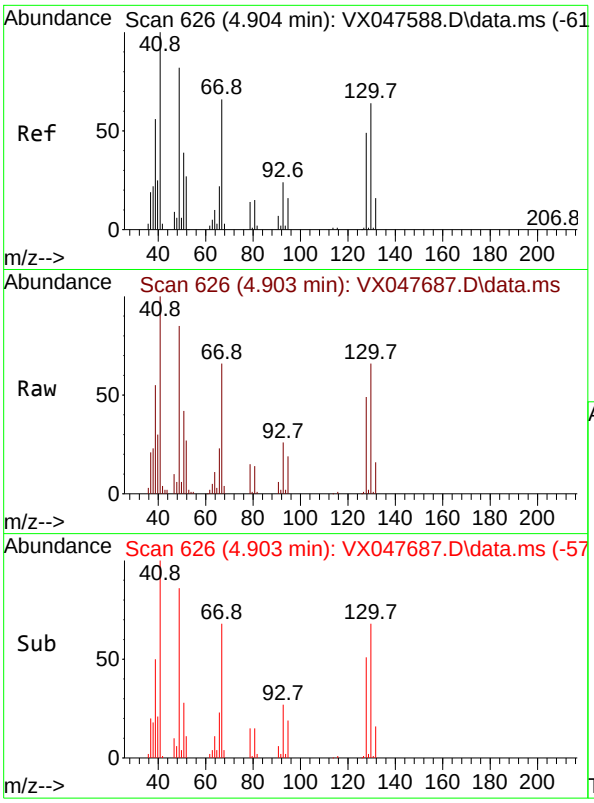


#40
Benzene
Concen: 53.802 ug/l
RT: 6.025 min Scan# 810
Delta R.T. -0.000 min
Lab File: VX047687.D
Acq: 19 Sep 2025 19:03

Tgt Ion: 78 Resp: 445760

Ion	Ratio	Lower	Upper
78	100		
77	23.8	18.8	28.2

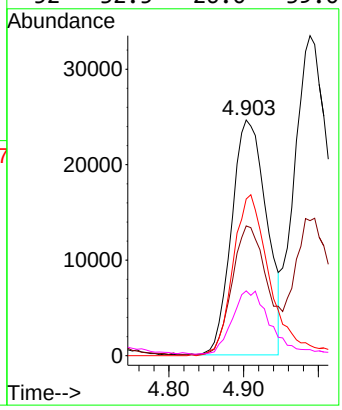




#41
Methacrylonitrile
Concen: 53.000 ug/l
RT: 4.903 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX047687.D
Acq: 19 Sep 2025 19:03

Tgt Ion: 41 Resp: 7991

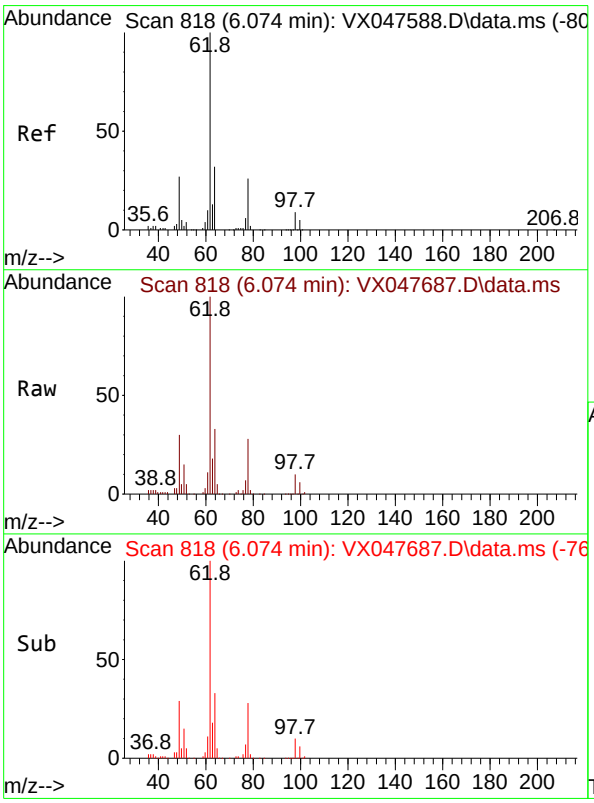
Ion	Ratio	Lower	Upper
41	100		
39	55.8	43.3	64.9
67	73.8	58.6	87.8
52	32.5	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

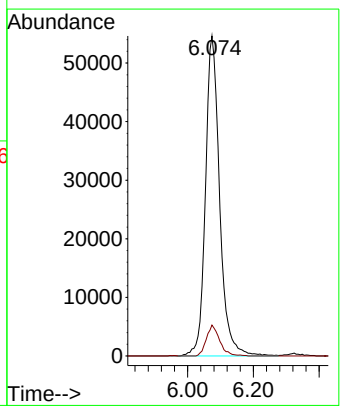
Reviewed By :Semsettin Yesilyurt 09/22/2025
Supervised By :Mahesh Dadoda 09/22/2025

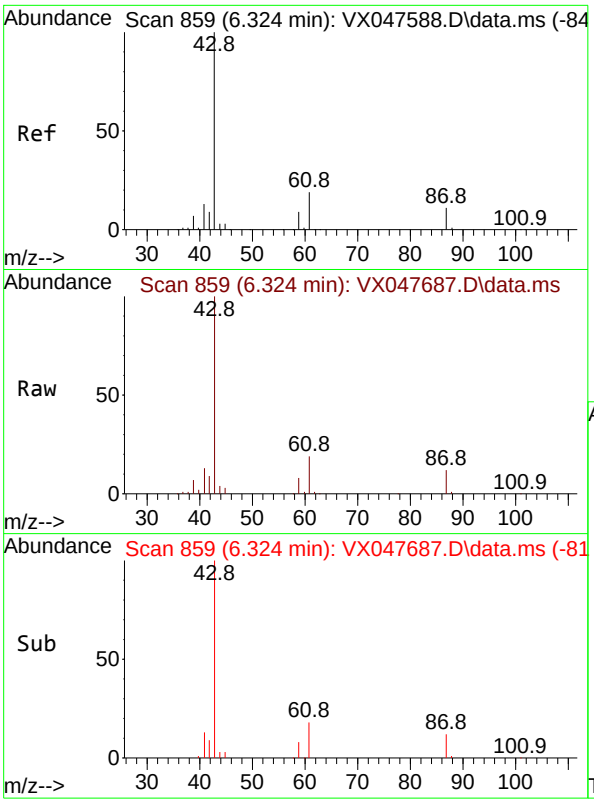


#42
1,2-Dichloroethane
Concen: 51.951 ug/l
RT: 6.074 min Scan# 818
Delta R.T. -0.000 min
Lab File: VX047687.D
Acq: 19 Sep 2025 19:03

Tgt Ion: 62 Resp: 163773

Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	17.0





#43
Isopropyl Acetate
Concen: 51.410 ug/l
RT: 6.324 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX047687.D
Acq: 19 Sep 2025 19:03

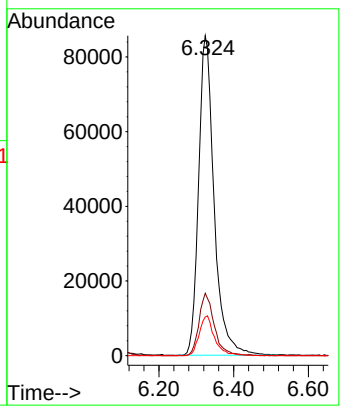
Tgt Ion: 43 Resp: 24626

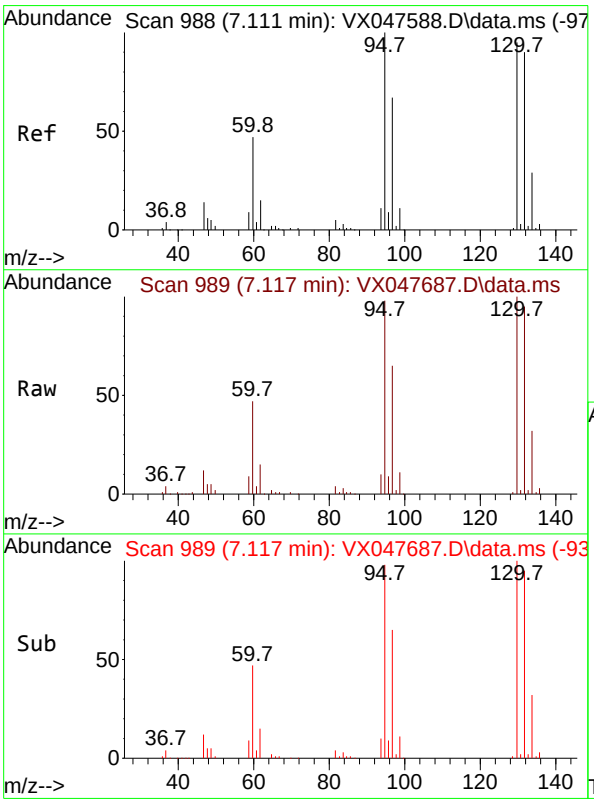
Ion	Ratio	Lower	Upper
43	100		
61	19.2	15.2	22.8
87	12.3	9.6	14.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 09/22/2025
Supervised By :Mahesh Dadoda 09/22/2025

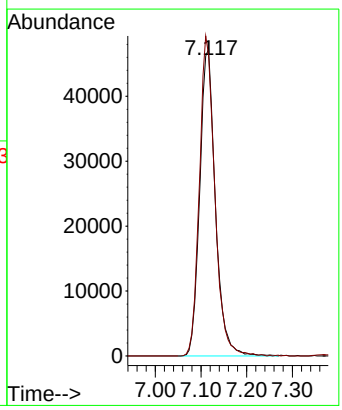


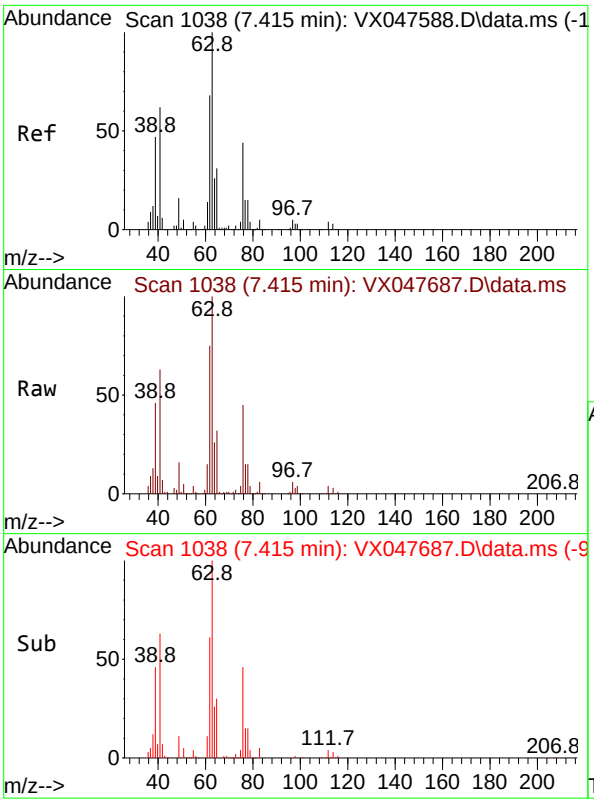


#44
Trichloroethene
Concen: 56.204 ug/l
RT: 7.117 min Scan# 989
Delta R.T. 0.006 min
Lab File: VX047687.D
Acq: 19 Sep 2025 19:03

Tgt Ion:130 Resp: 112580

Ion	Ratio	Lower	Upper
130	100		
95	98.1	0.0	210.8

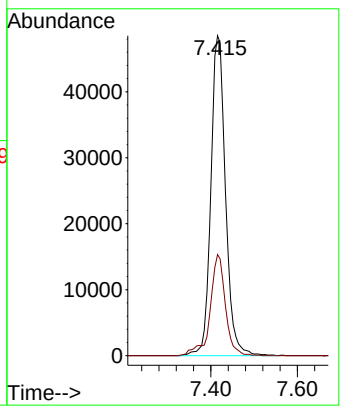




#45
1,2-Dichloropropane
Concen: 53.755 ug/l
RT: 7.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047687.D
Acq: 19 Sep 2025 19:03

Tgt Ion: 63 Resp: 114044

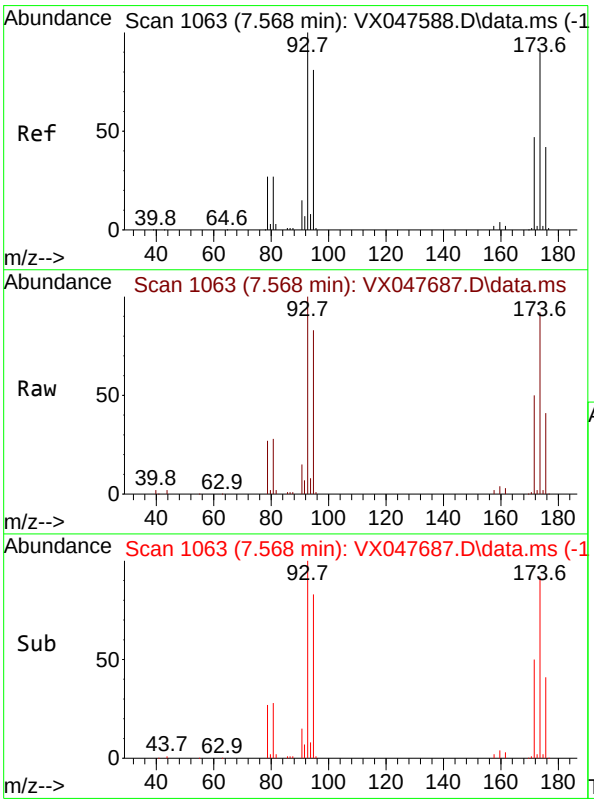
Ion	Ratio	Lower	Upper
63	100		
65	31.6	24.7	37.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

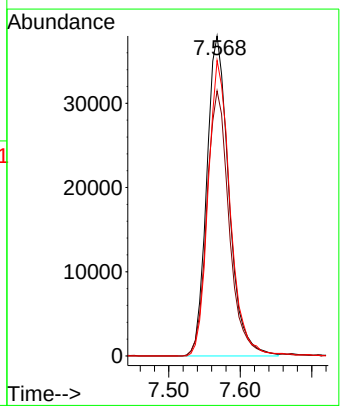
Reviewed By :Semsettin Yesilyurt 09/22/2025
Supervised By :Mahesh Dadoda 09/22/2025

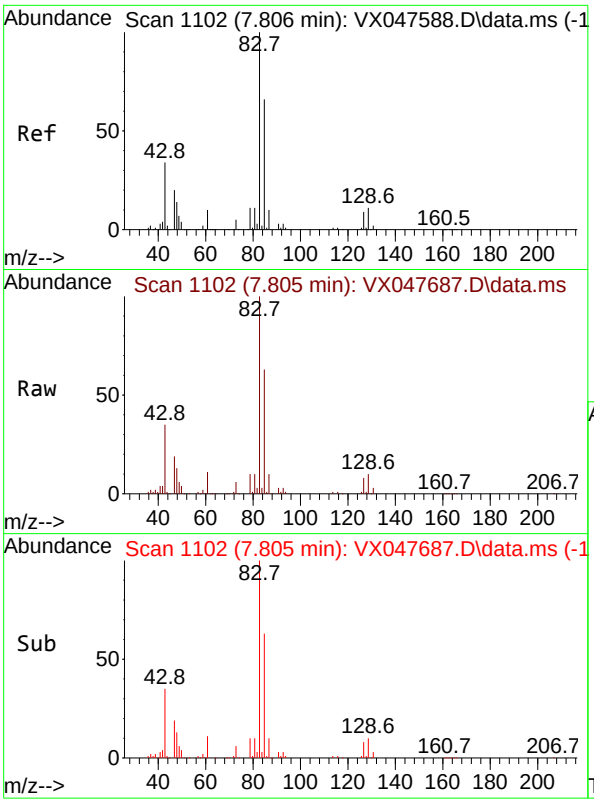


#46
Dibromomethane
Concen: 53.014 ug/l
RT: 7.568 min Scan# 1063
Delta R.T. -0.000 min
Lab File: VX047687.D
Acq: 19 Sep 2025 19:03

Tgt Ion: 93 Resp: 81845

Ion	Ratio	Lower	Upper
93	100		
95	83.7	65.0	97.6
174	91.9	71.6	107.4

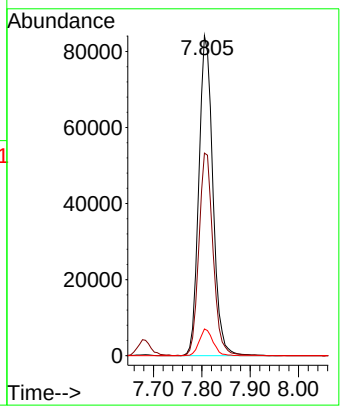




#47
Bromodichloromethane
Concen: 53.260 ug/l
RT: 7.805 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047687.D
Acq: 19 Sep 2025 19:03

Tgt Ion: 83 Resp: 16967

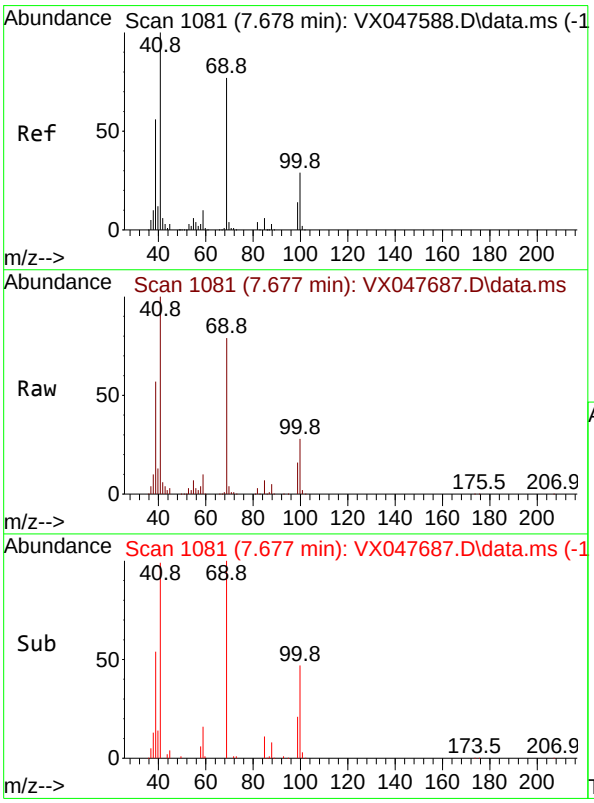
Ion	Ratio	Lower	Upper
83	100		
85	63.3	52.5	78.7
127	8.4	6.9	10.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

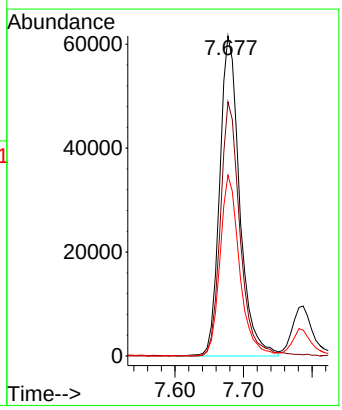
Reviewed By :Semsettin Yesilyurt 09/22/2025
Supervised By :Mahesh Dadoda 09/22/2025

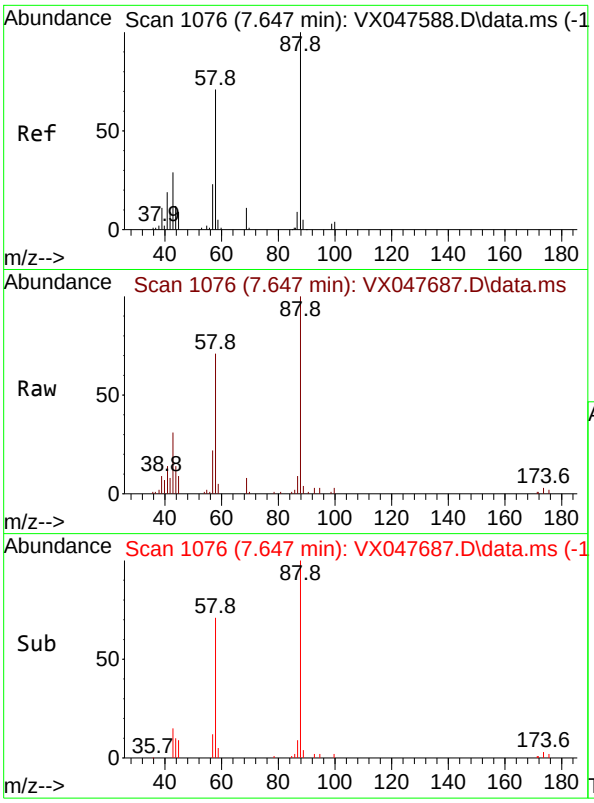


#48
Methyl methacrylate
Concen: 52.004 ug/l
RT: 7.677 min Scan# 1081
Delta R.T. -0.000 min
Lab File: VX047687.D
Acq: 19 Sep 2025 19:03

Tgt Ion: 41 Resp: 124085

Ion	Ratio	Lower	Upper
41	100		
69	78.2	61.4	92.2
39	55.3	45.8	68.6

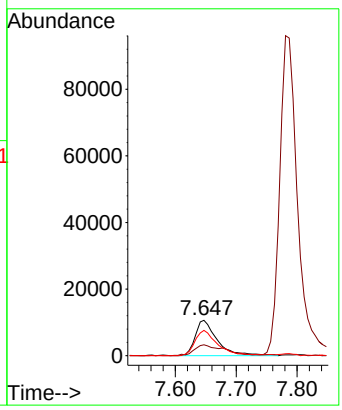




#49
1,4-Dioxane
Concen: 1102.850 ug/l
RT: 7.647 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047687.D
Acq: 19 Sep 2025 19:03

Tgt Ion: 88 Resp: 2659

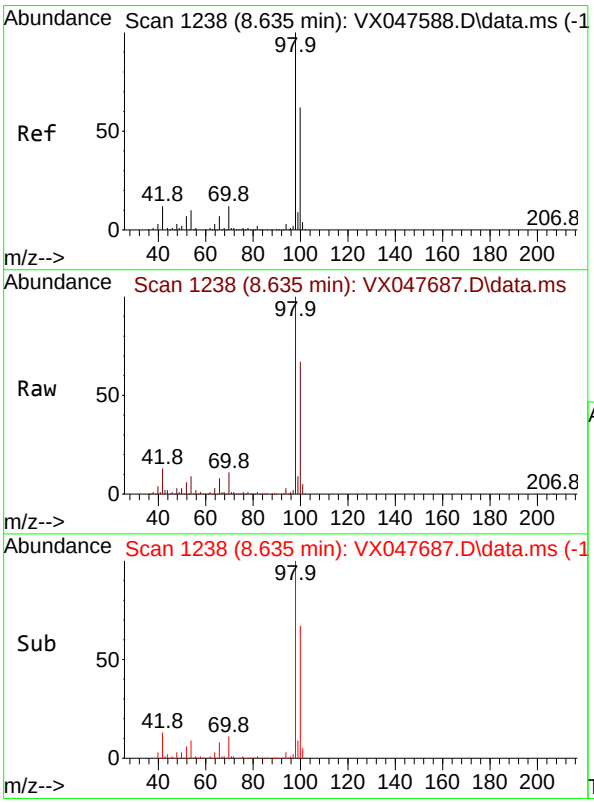
Ion	Ratio	Lower	Upper
88	100		
43	42.3	30.2	45.2
58	74.2	59.5	89.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

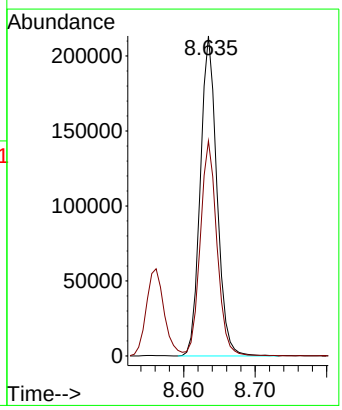
Reviewed By :Semsettin Yesilyurt 09/22/2025
Supervised By :Mahesh Dadoda 09/22/2025

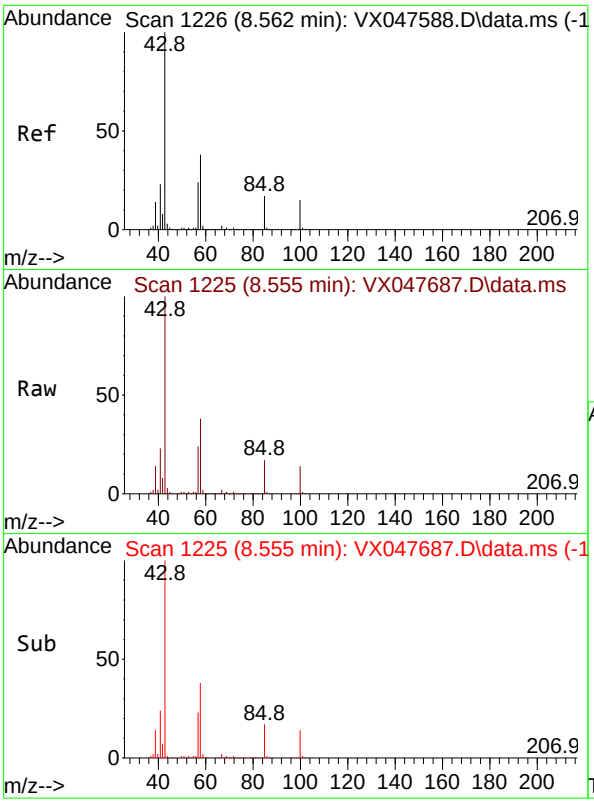


#50
Toluene-d8
Concen: 53.308 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX047687.D
Acq: 19 Sep 2025 19:03

Tgt Ion: 98 Resp: 344346

Ion	Ratio	Lower	Upper
98	100		
100	67.4	53.0	79.4

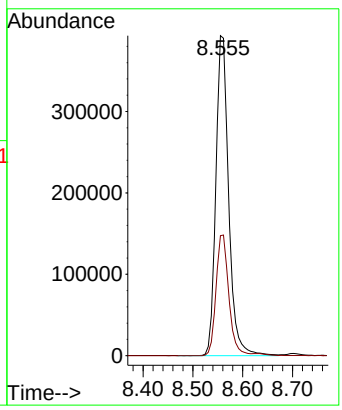




#51
4-Methyl-2-Pentanone
Concen: 264.517 ug/l
RT: 8.555 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047687.D
Acq: 19 Sep 2025 19:03

Tgt Ion: 43 Resp: 70253

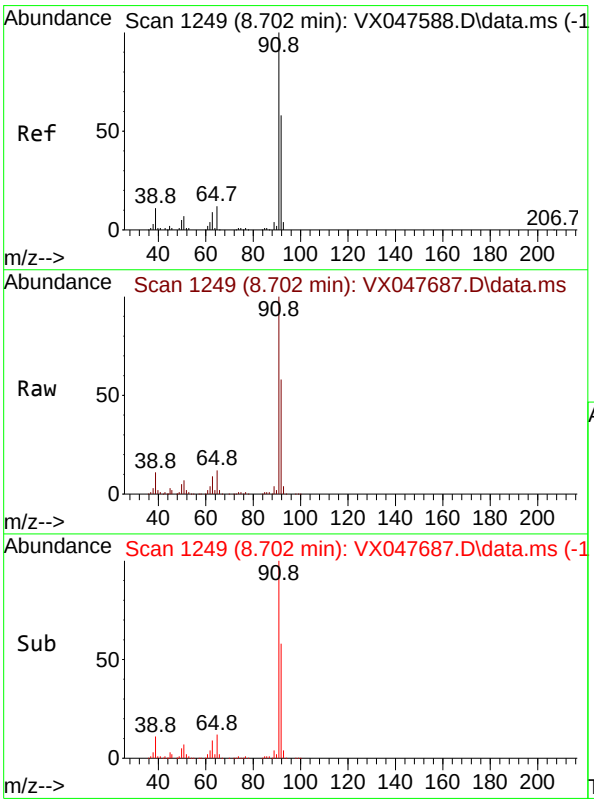
Ion	Ratio	Lower	Upper
43	100		
58	37.6	30.3	45.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

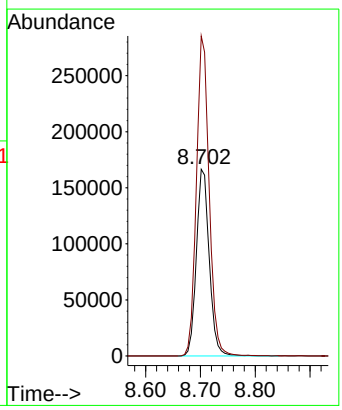
Reviewed By :Semsettin Yesilyurt 09/22/2025
Supervised By :Mahesh Dadoda 09/22/2025

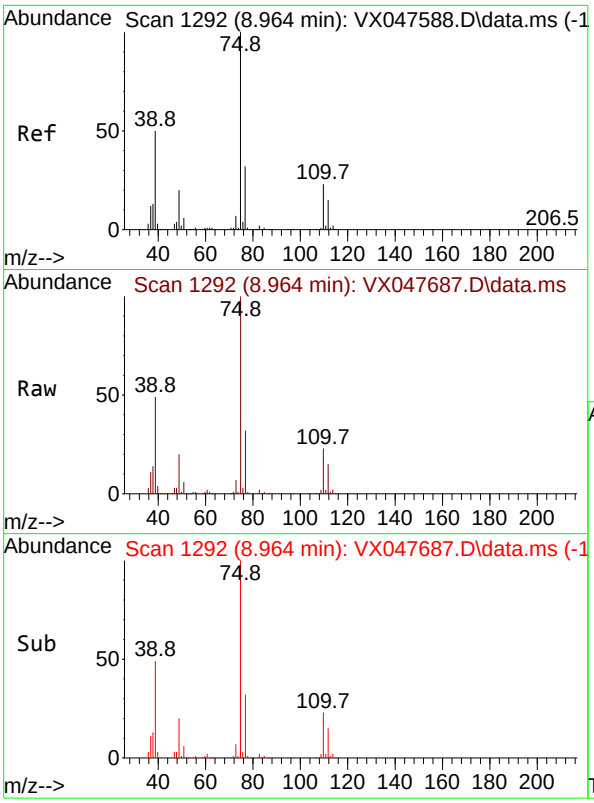


#52
Toluene
Concen: 53.368 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX047687.D
Acq: 19 Sep 2025 19:03

Tgt Ion: 92 Resp: 272421

Ion	Ratio	Lower	Upper
92	100		
91	169.4	137.1	205.7

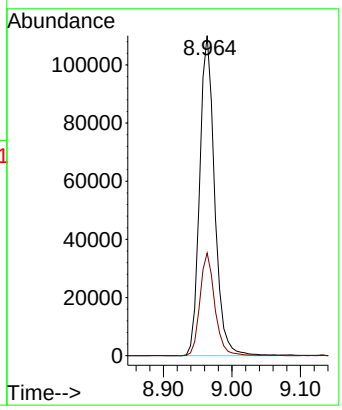




#53
t-1,3-Dichloropropene
Concen: 51.527 ug/l
RT: 8.964 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047687.D
Acq: 19 Sep 2025 19:03

Tgt Ion: 75 Resp: 16744

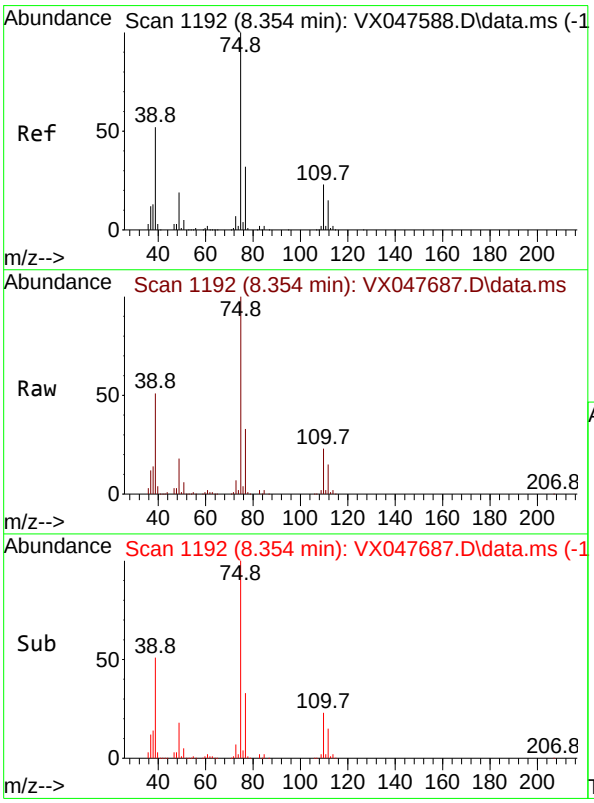
Ion	Ratio	Lower	Upper
75	100		
77	32.1	25.4	38.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

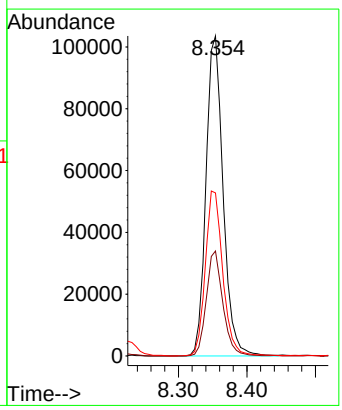
Reviewed By :Semsettin Yesilyurt 09/22/2025
Supervised By :Mahesh Dadoda 09/22/2025

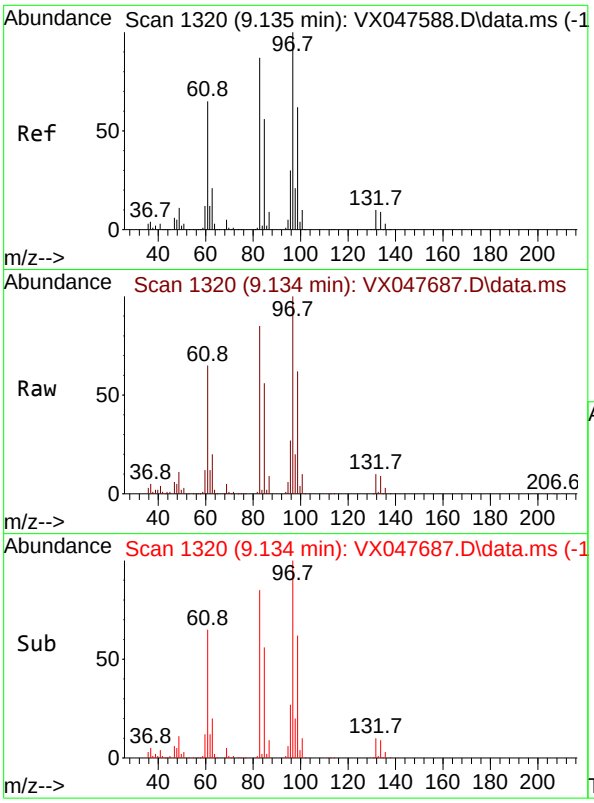


#54
cis-1,3-Dichloropropene
Concen: 51.815 ug/l
RT: 8.354 min Scan# 1192
Delta R.T. -0.000 min
Lab File: VX047687.D
Acq: 19 Sep 2025 19:03

Tgt Ion: 75 Resp: 179970

Ion	Ratio	Lower	Upper
75	100		
77	32.8	25.8	38.6
39	50.9	41.4	62.2

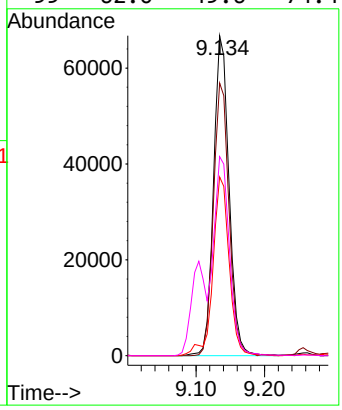




#55
1,1,2-Trichloroethane
Concen: 53.322 ug/l
RT: 9.134 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047687.D
Acq: 19 Sep 2025 19:03

Tgt Ion: 97 Resp: 10495

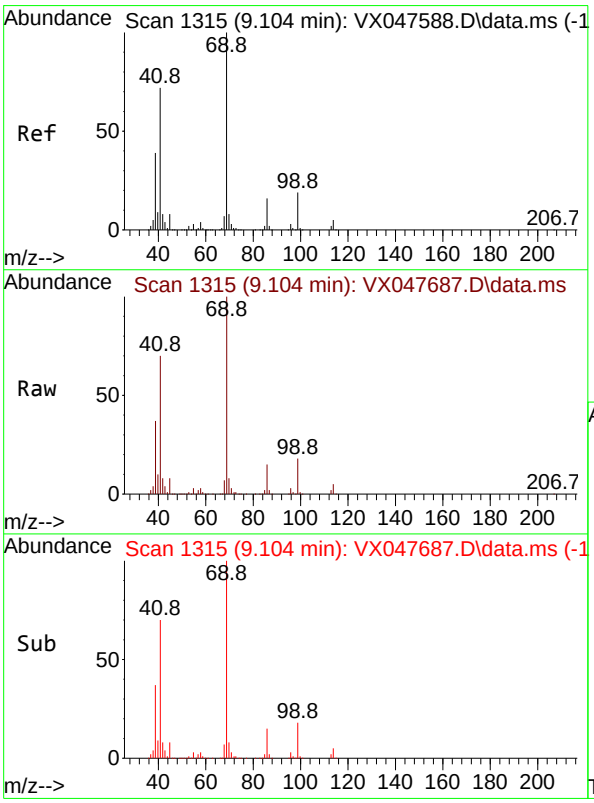
Ion	Ratio	Lower	Upper
97	100		
83	85.2	69.6	104.4
85	55.9	45.0	67.6
99	62.0	49.6	74.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

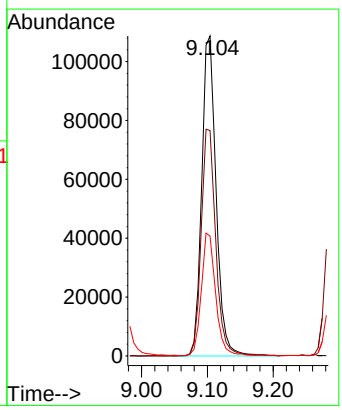
Reviewed By :Semsettin Yesilyurt 09/22/2025
Supervised By :Mahesh Dadoda 09/22/2025

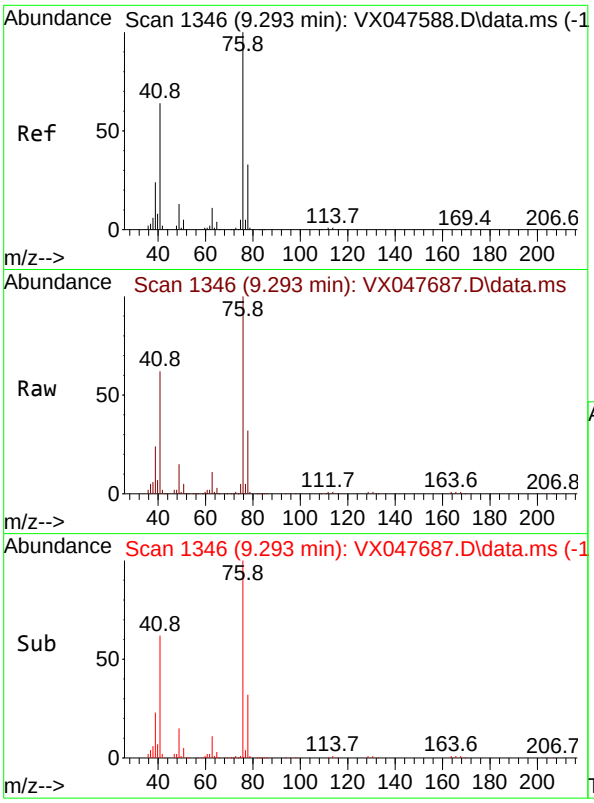


#56
Ethyl methacrylate
Concen: 53.586 ug/l
RT: 9.104 min Scan# 1315
Delta R.T. -0.000 min
Lab File: VX047687.D
Acq: 19 Sep 2025 19:03

Tgt Ion: 69 Resp: 165642

Ion	Ratio	Lower	Upper
69	100		
41	71.6	58.6	87.8
39	38.5	31.5	47.3

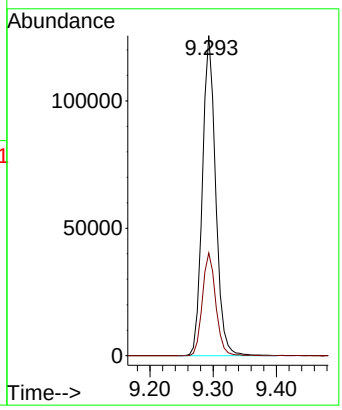




#57
1,3-Dichloropropane
Concen: 54.129 ug/l
RT: 9.293 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047687.D
Acq: 19 Sep 2025 19:03

Tgt Ion: 76 Resp: 18301

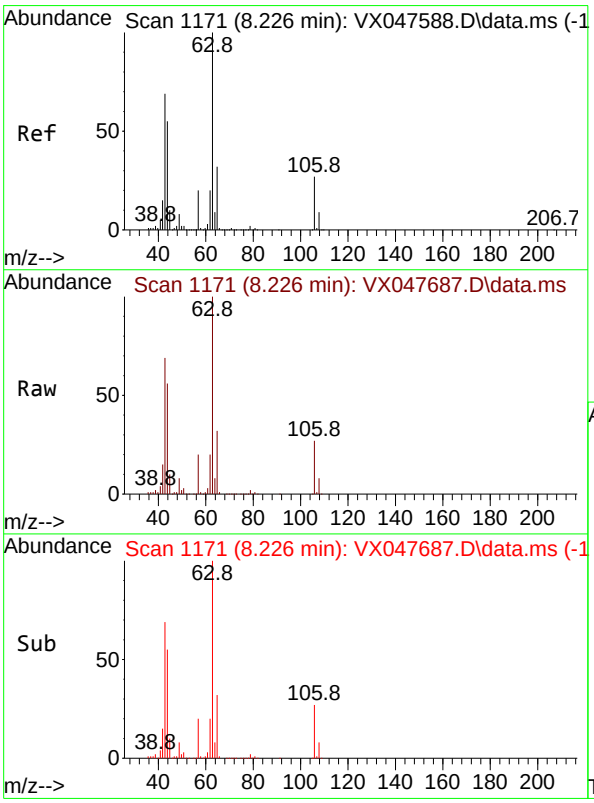
Ion	Ratio	Lower	Upper
76	100		
78	32.4	26.2	39.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

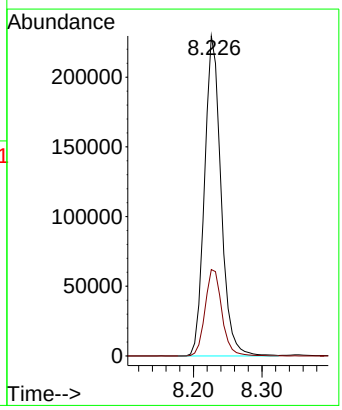
Reviewed By :Semsettin Yesilyurt 09/22/2025
Supervised By :Mahesh Dadoda 09/22/2025

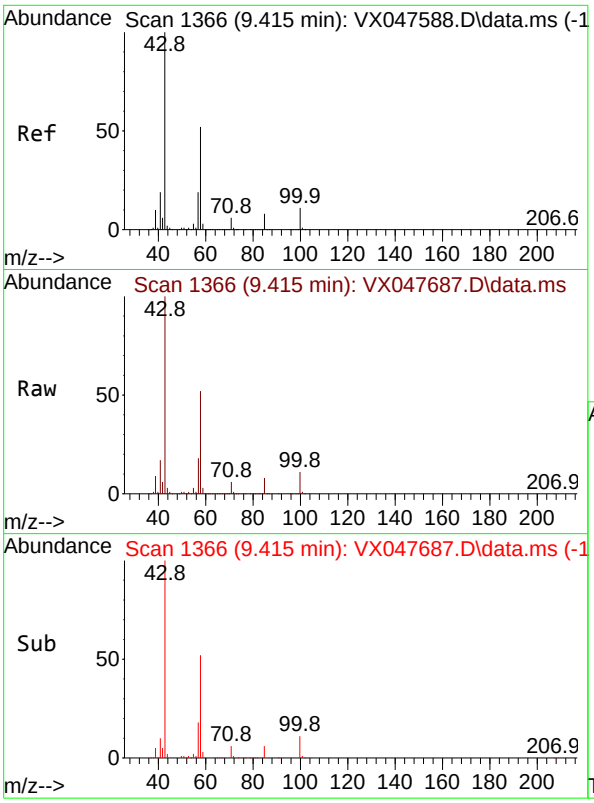


#58
2-Chloroethyl Vinyl ether
Concen: 259.650 ug/l
RT: 8.226 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VX047687.D
Acq: 19 Sep 2025 19:03

Tgt Ion: 63 Resp: 384468

Ion	Ratio	Lower	Upper
63	100		
106	27.6	21.9	32.9

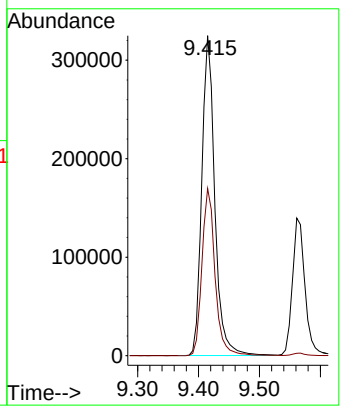




#59
2-Hexanone
Concen: 252.510 ug/l
RT: 9.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047687.D
Acq: 19 Sep 2025 19:03

Tgt Ion: 43 Resp: 48166

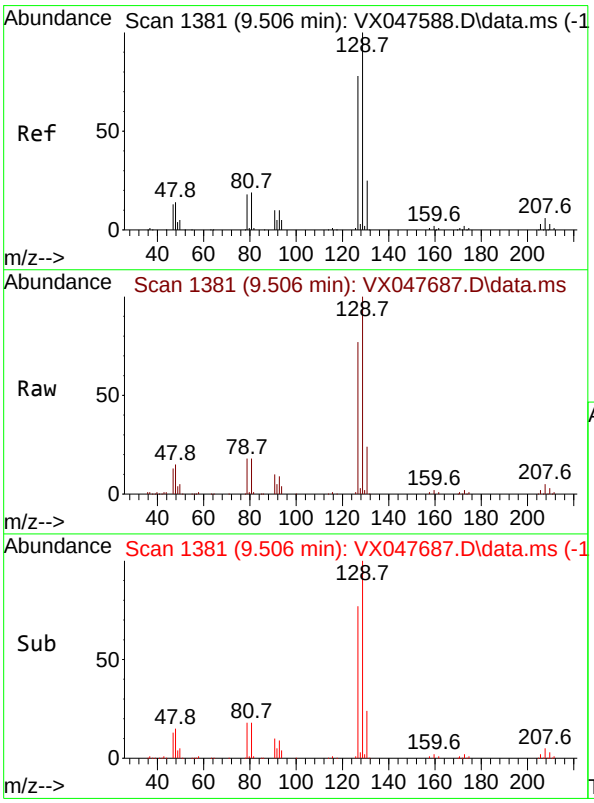
Ion	Ratio	Lower	Upper
43	100		
58	52.8	26.1	78.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

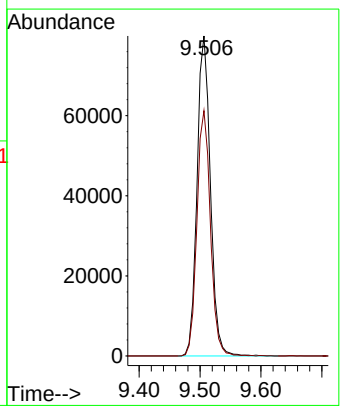
Reviewed By :Semsettin Yesilyurt 09/22/2025
Supervised By :Mahesh Dadoda 09/22/2025

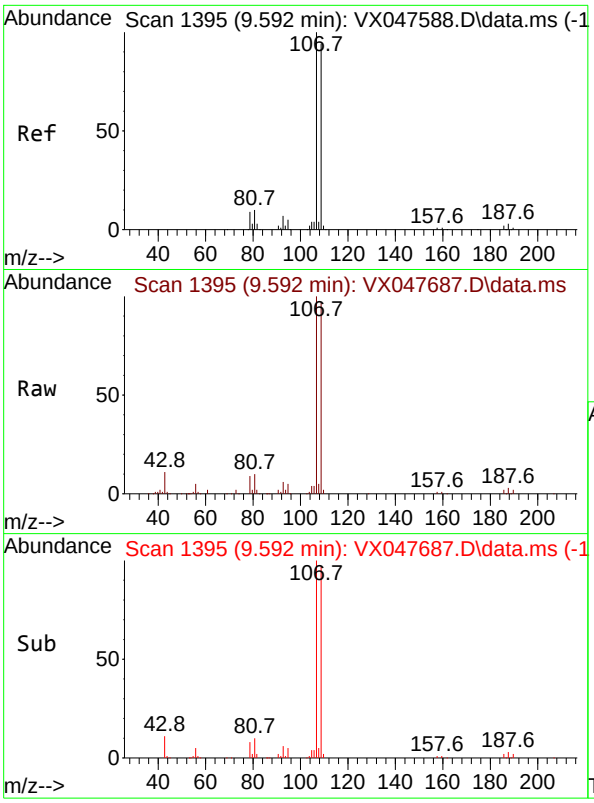


#60
Dibromochloromethane
Concen: 53.465 ug/l
RT: 9.506 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VX047687.D
Acq: 19 Sep 2025 19:03

Tgt Ion:129 Resp: 121253

Ion	Ratio	Lower	Upper
129	100		
127	77.6	38.4	115.2





#61
1,2-Dibromoethane
Concen: 54.996 ug/l
RT: 9.592 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047687.D
Acq: 19 Sep 2025 19:03

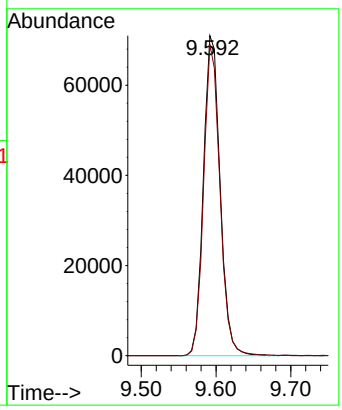
Tgt Ion:107 Resp: 11025

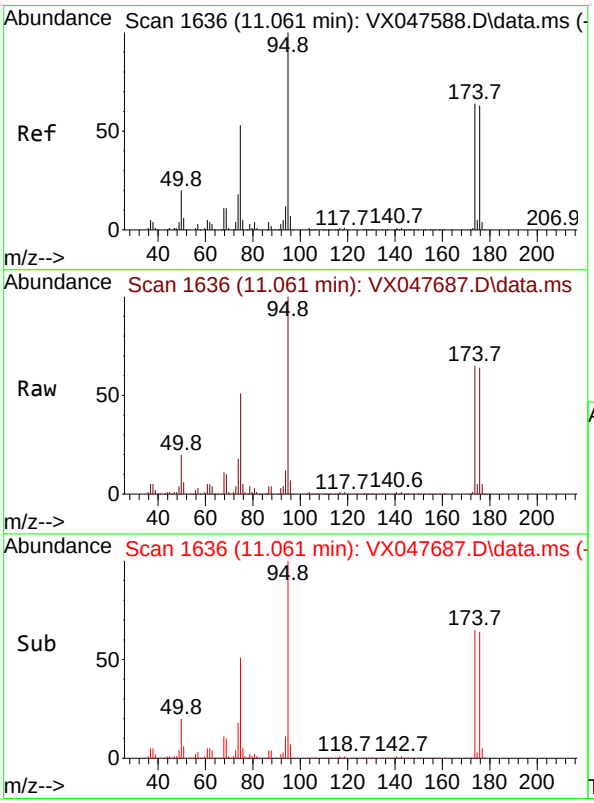
Ion	Ratio	Lower	Upper
107	100		
109	95.0	75.3	112.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 09/22/2025
Supervised By :Mahesh Dadoda 09/22/2025

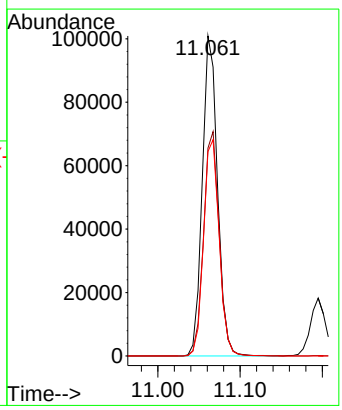


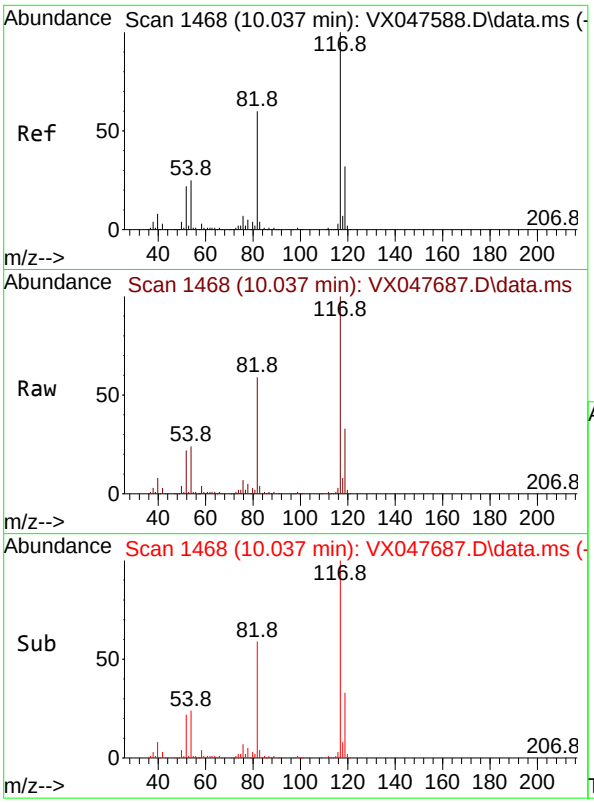


#62
4-Bromofluorobenzene
Concen: 52.822 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX047687.D
Acq: 19 Sep 2025 19:03

Tgt Ion: 95 Resp: 129494

Ion	Ratio	Lower	Upper
95	100		
174	71.9	0.0	141.6
176	69.5	0.0	138.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047687.D
Acq: 19 Sep 2025 19:03

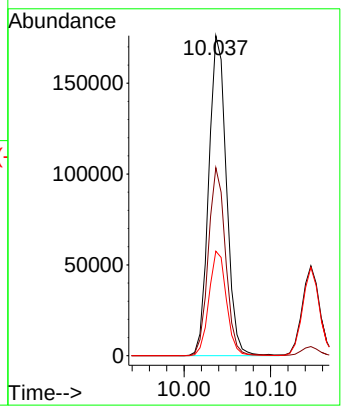
Tgt Ion:117 Resp: 24899

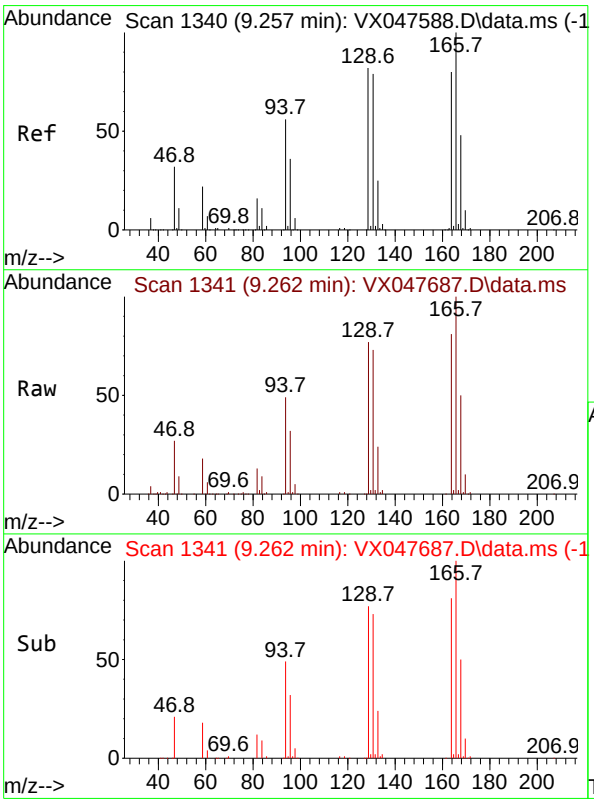
Ion	Ratio	Lower	Upper
117	100		
82	58.7	47.8	71.6
119	32.7	25.2	37.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 09/22/2025
Supervised By :Mahesh Dadoda 09/22/2025

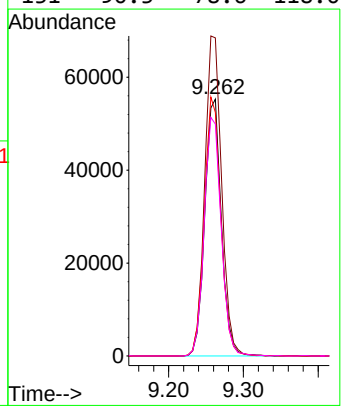


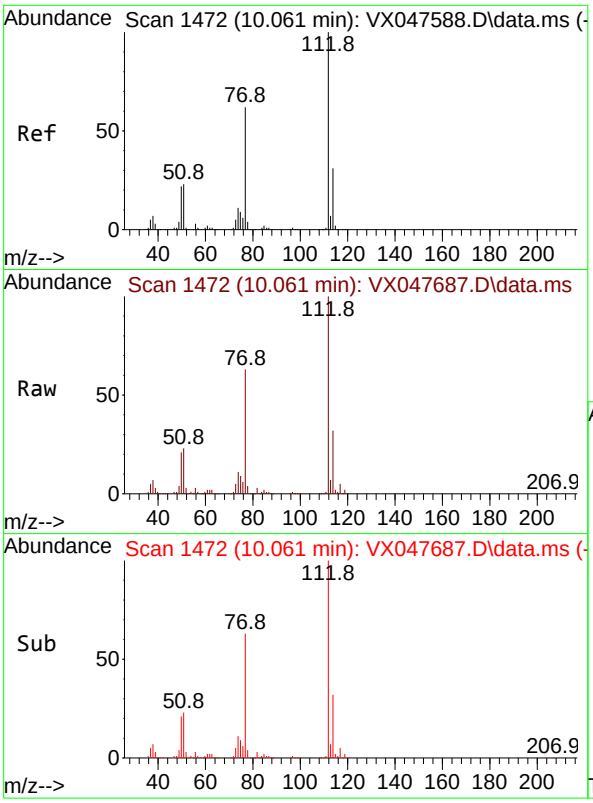


#64
Tetrachloroethene
Concen: 52.205 ug/l
RT: 9.262 min Scan# 1341
Delta R.T. 0.006 min
Lab File: VX047687.D
Acq: 19 Sep 2025 19:03

Tgt Ion:164 Resp: 84740

Ion	Ratio	Lower	Upper
164	100		
166	123.9	100.2	150.2
129	94.9	81.8	122.6
131	90.3	78.6	118.0





#65
Chlorobenzene
Concen: 52.793 ug/l
RT: 10.061 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047687.D
Acq: 19 Sep 2025 19:03

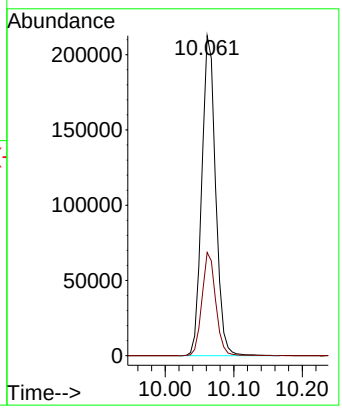
Tgt Ion:112 Resp: 29863

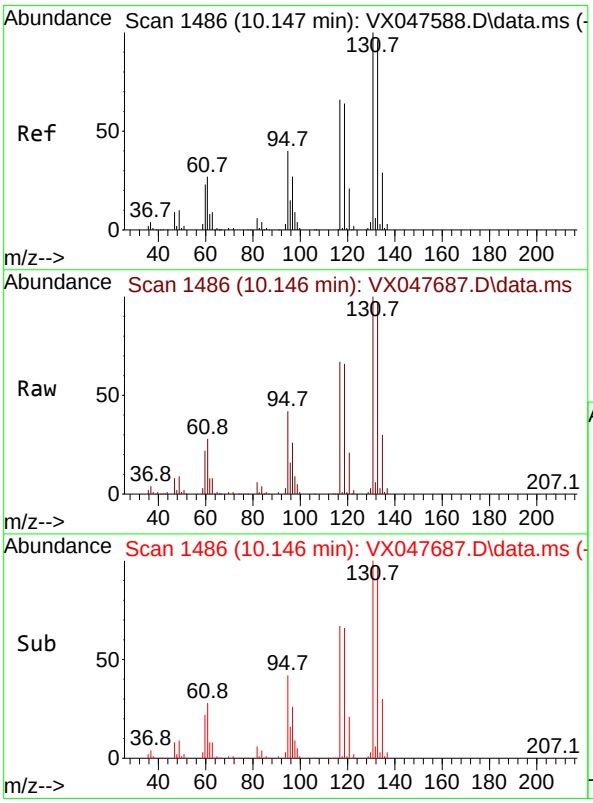
Ion	Ratio	Lower	Upper
112	100		
114	32.2	25.1	37.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 09/22/2025
Supervised By :Mahesh Dadoda 09/22/2025

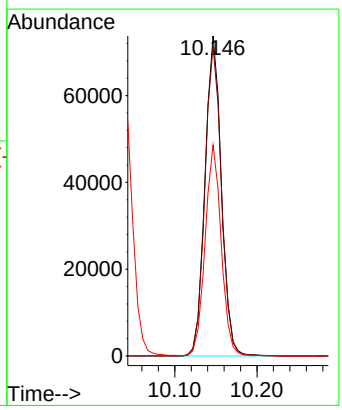


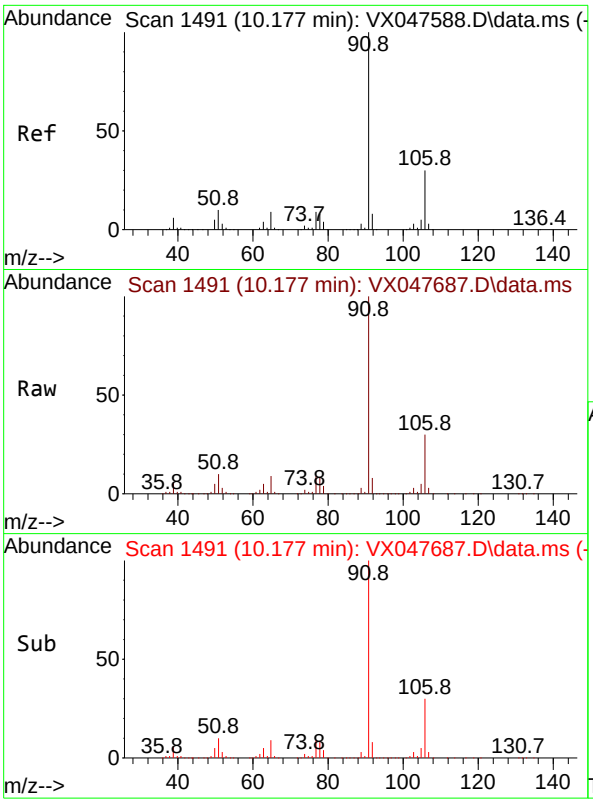


#66
1,1,1,2-Tetrachloroethane
Concen: 52.201 ug/l
RT: 10.146 min Scan# 1486
Delta R.T. -0.000 min
Lab File: VX047687.D
Acq: 19 Sep 2025 19:03

Tgt Ion:131 Resp: 101896

Ion	Ratio	Lower	Upper
131	100		
133	98.0	47.3	142.0
119	65.0	32.0	96.0





#67
Ethyl Benzene
Concen: 52.982 ug/l
RT: 10.177 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047687.D
Acq: 19 Sep 2025 19:03

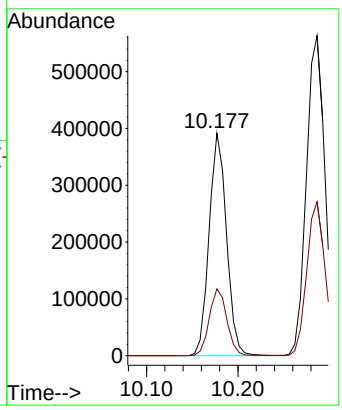
Tgt Ion: 91 Resp: 51711

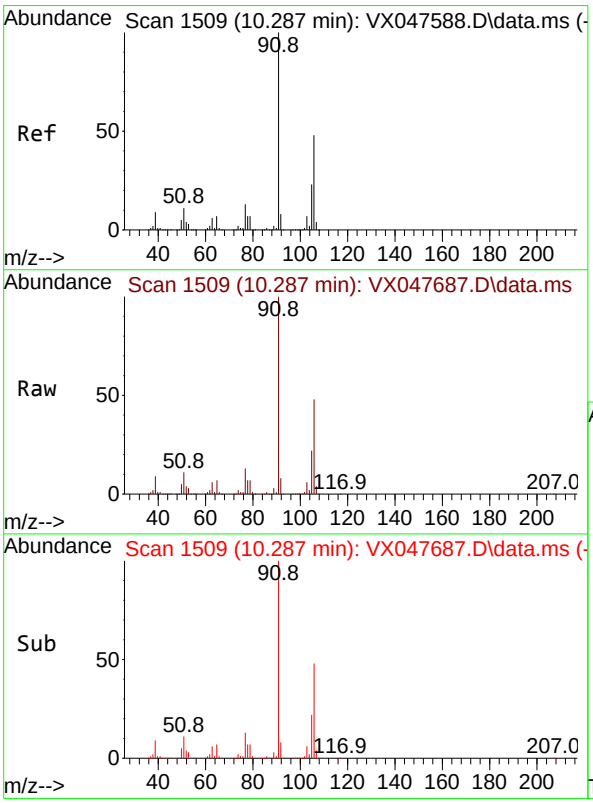
Ion	Ratio	Lower	Upper
91	100		
106	30.1	24.3	36.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 09/22/2025
Supervised By :Mahesh Dadoda 09/22/2025

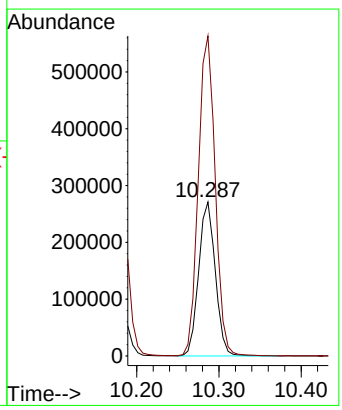


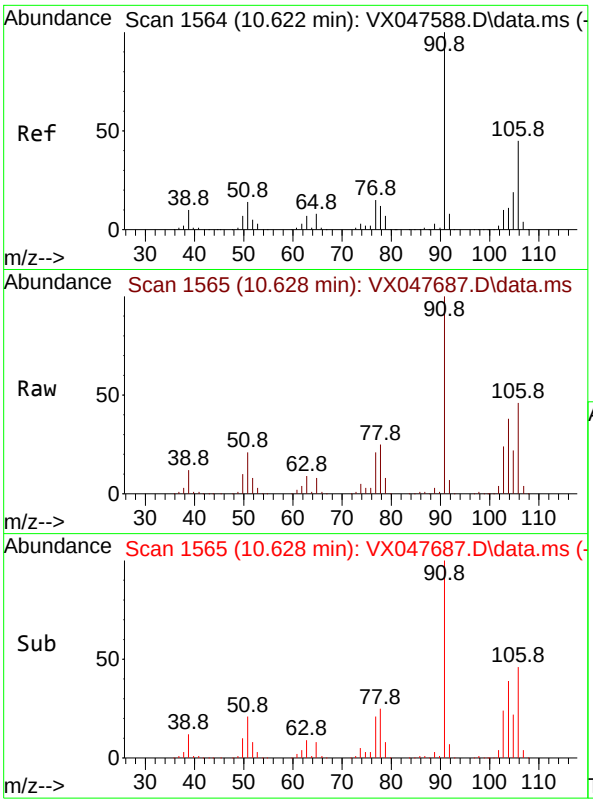


#68
m/p-Xylenes
Concen: 104.973 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VX047687.D
Acq: 19 Sep 2025 19:03

Tgt Ion:106 Resp: 381354

Ion	Ratio	Lower	Upper
106	100		
91	211.0	167.8	251.8

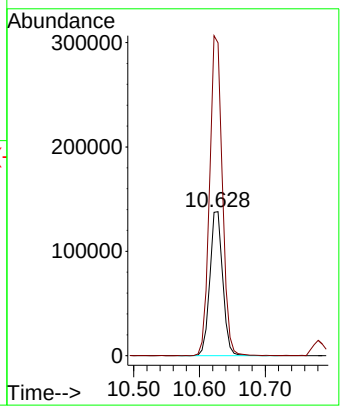




#69
o-Xylene
Concen: 53.332 ug/l
RT: 10.628 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047687.D
Acq: 19 Sep 2025 19:03

Tgt Ion:106 Resp: 18739

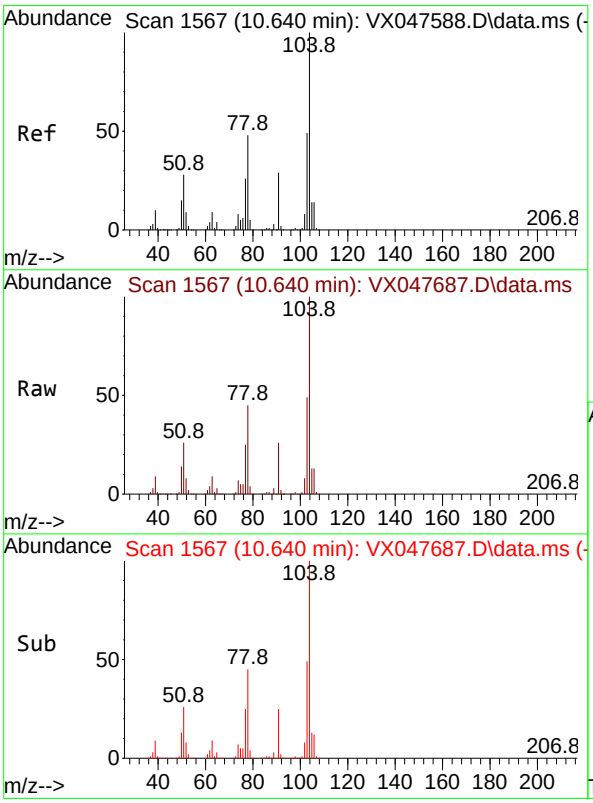
Ion	Ratio	Lower	Upper
106	100		
91	220.5	111.1	333.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

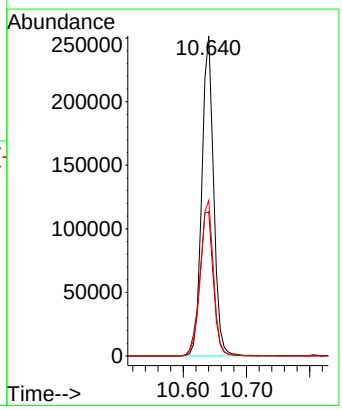
Reviewed By :Semsettin Yesilyurt 09/22/2025
Supervised By :Mahesh Dadoda 09/22/2025

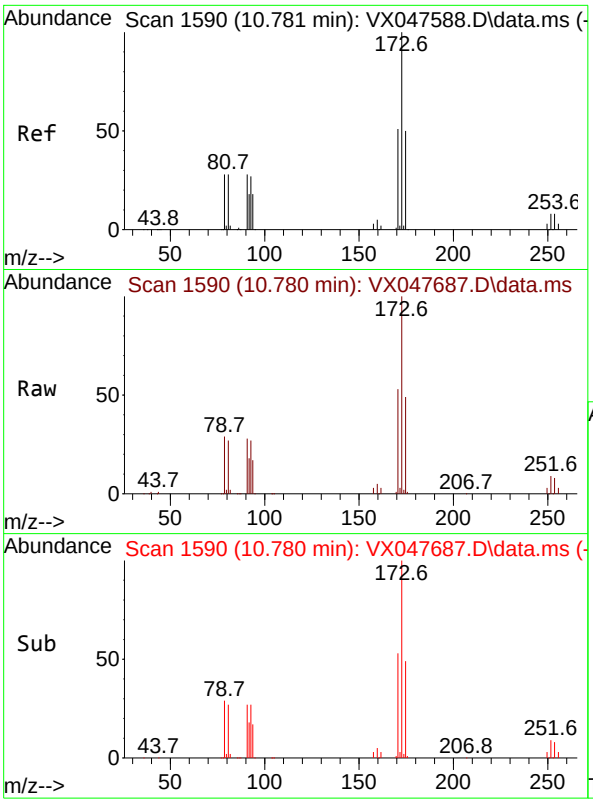


#70
Styrene
Concen: 53.259 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX047687.D
Acq: 19 Sep 2025 19:03

Tgt Ion:104 Resp: 327913

Ion	Ratio	Lower	Upper
104	100		
78	52.5	43.1	64.7
103	53.9	43.1	64.7

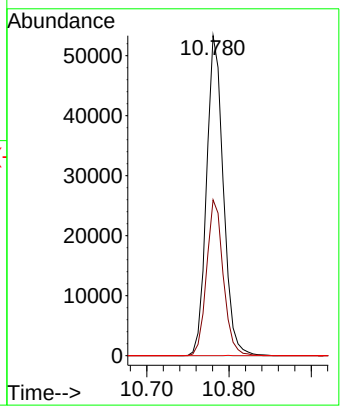




#71
Bromoform
Concen: 51.882 ug/l
RT: 10.780 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047687.D
Acq: 19 Sep 2025 19:03

Tgt Ion:173 Resp: 7562

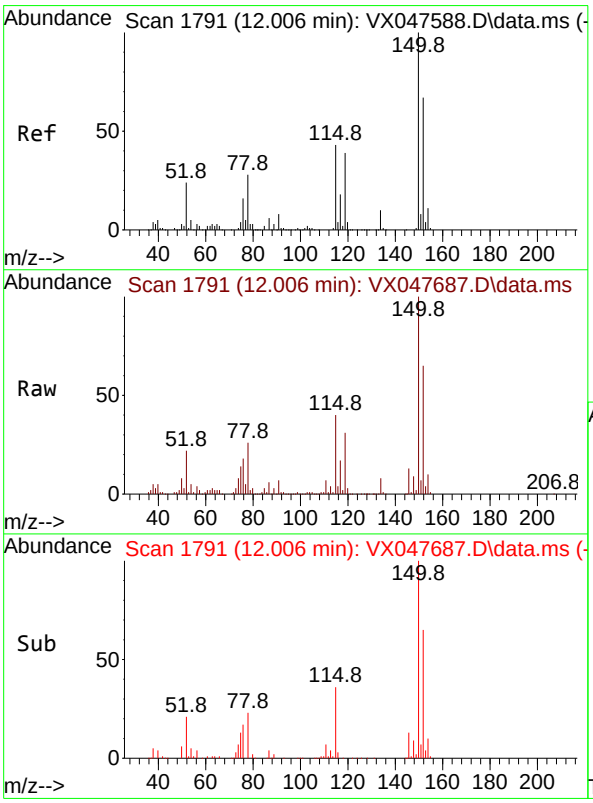
Ion	Ratio	Lower	Upper
173	100		
175	48.3	24.9	74.6
254	0.0	0.1	0.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

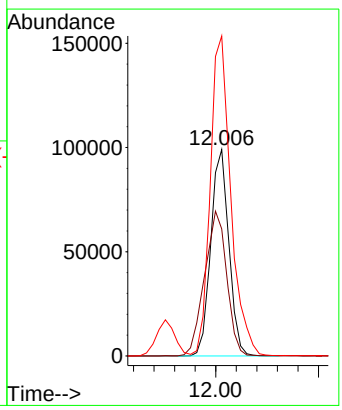
Reviewed By :Semsettin Yesilyurt 09/22/2025
Supervised By :Mahesh Dadoda 09/22/2025

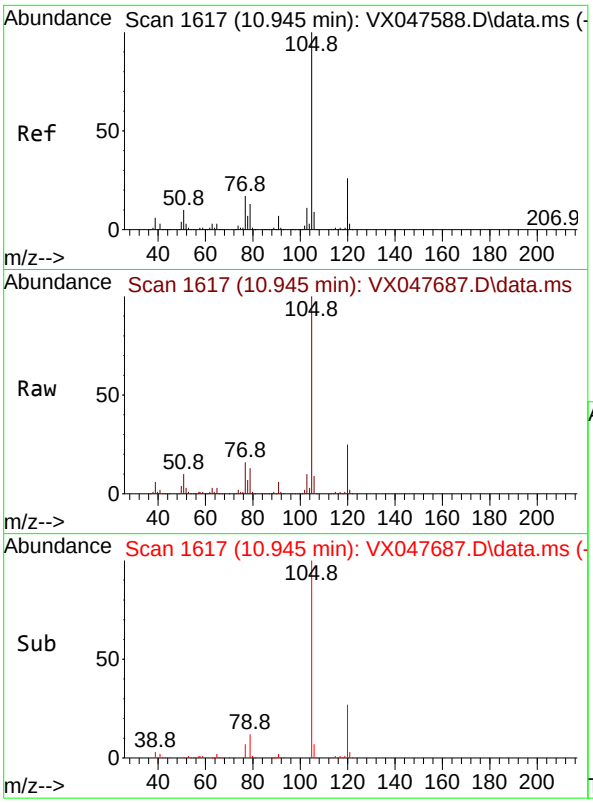


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047687.D
Acq: 19 Sep 2025 19:03

Tgt Ion:152 Resp: 120684

Ion	Ratio	Lower	Upper
152	100		
115	86.4	44.9	134.5
150	175.9	0.0	352.0

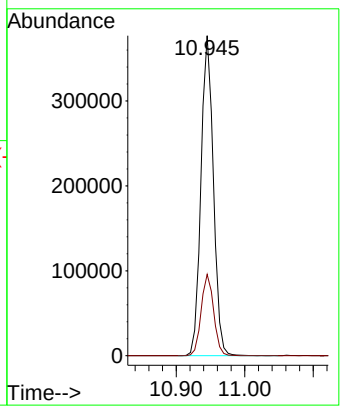




#73
Isopropylbenzene
Concen: 51.835 ug/l
RT: 10.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047687.D
Acq: 19 Sep 2025 19:03

Tgt Ion:105 Resp: 47559

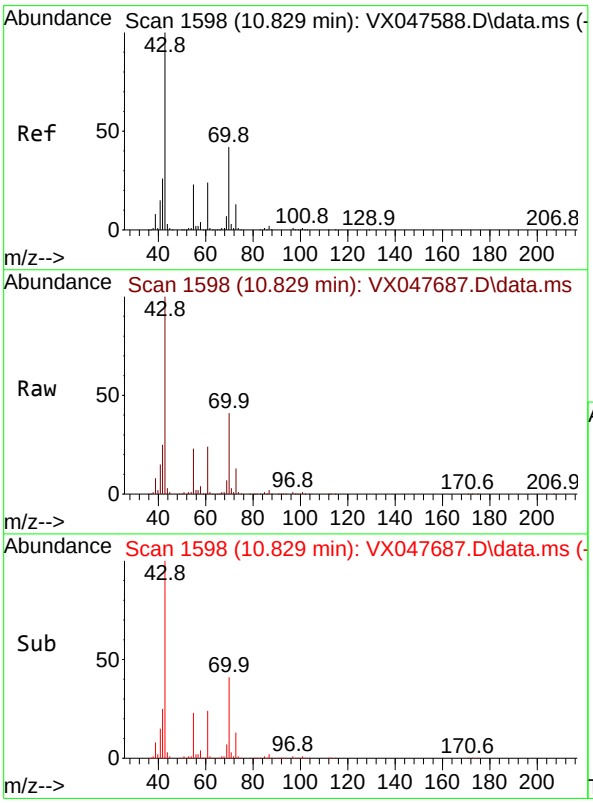
Ion	Ratio	Lower	Upper
105	100		
120	25.5	12.8	38.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

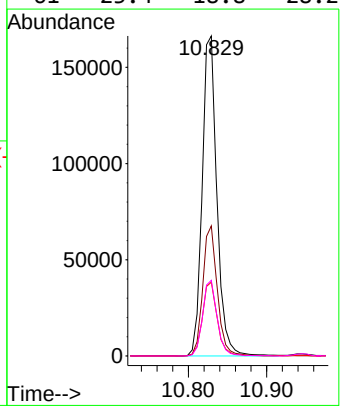
Reviewed By :Semsettin Yesilyurt 09/22/2025
Supervised By :Mahesh Dadoda 09/22/2025

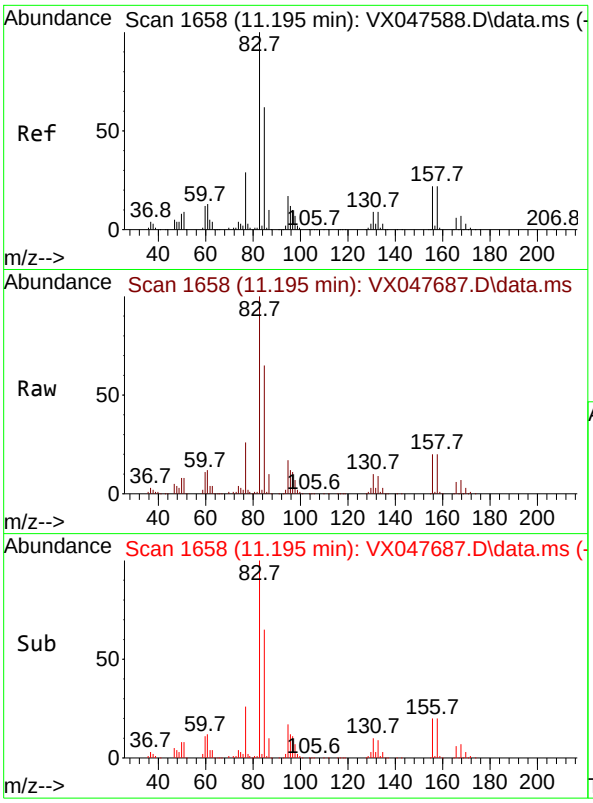


#74
N-amyl acetate
Concen: 51.785 ug/l
RT: 10.829 min Scan# 1598
Delta R.T. -0.000 min
Lab File: VX047687.D
Acq: 19 Sep 2025 19:03

Tgt Ion: 43 Resp: 216669

Ion	Ratio	Lower	Upper
43	100		
70	40.2	32.0	48.0
55	23.3	18.9	28.3
61	23.4	18.8	28.2

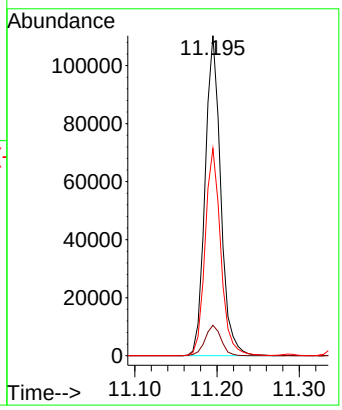




#75
1,1,2,2-Tetrachloroethane
Concen: 52.421 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047687.D
Acq: 19 Sep 2025 19:03

Tgt Ion: 83 Resp: 14551

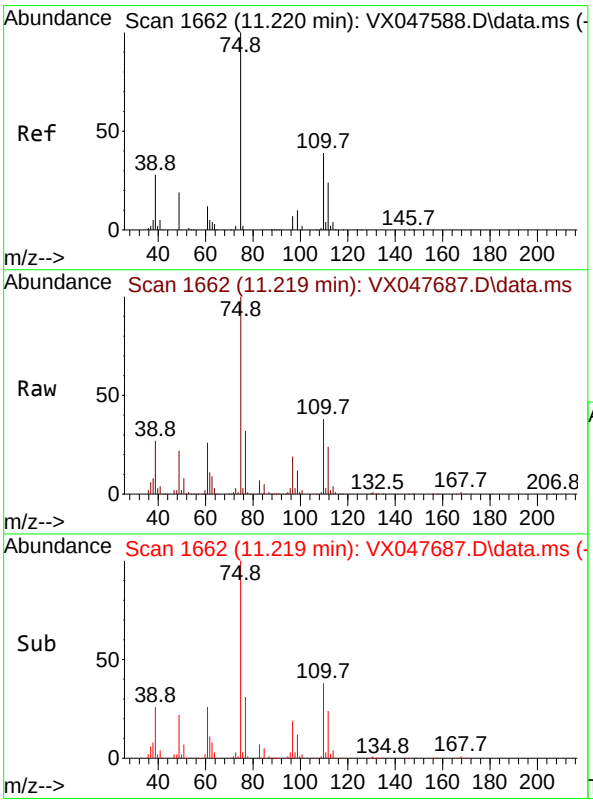
Ion	Ratio	Lower	Upper
83	100		
131	9.8	5.0	14.9
85	64.8	31.6	95.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

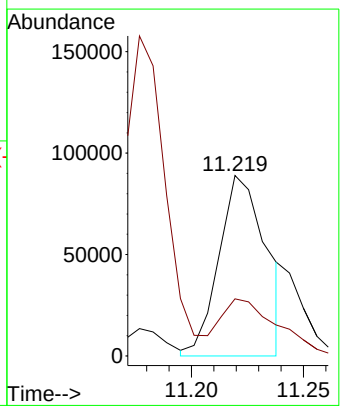
Reviewed By :Semsettin Yesilyurt 09/22/2025
Supervised By :Mahesh Dadoda 09/22/2025

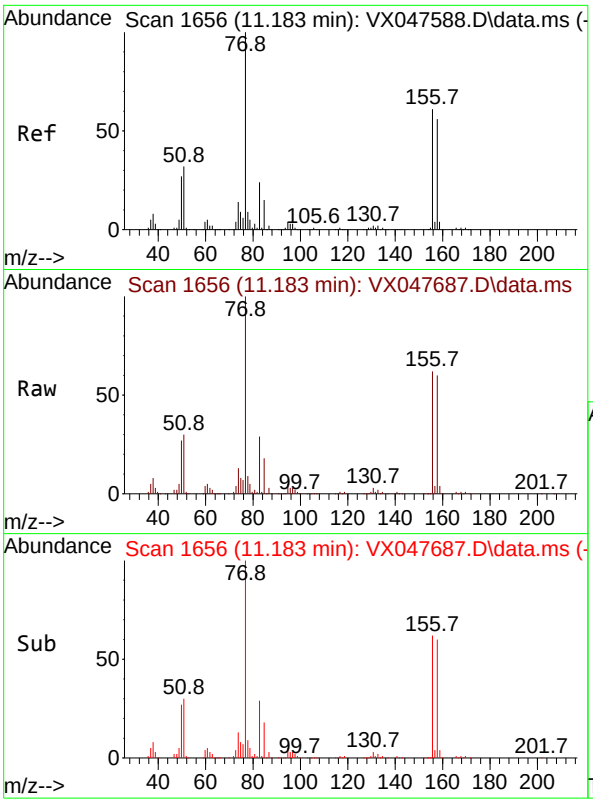


#76
1,2,3-Trichloropropane
Concen: 53.229 ug/l m
RT: 11.219 min Scan# 1662
Delta R.T. -0.000 min
Lab File: VX047687.D
Acq: 19 Sep 2025 19:03

Tgt Ion: 75 Resp: 130064

Ion	Ratio	Lower	Upper
75	100		
77	37.6	18.8	56.4

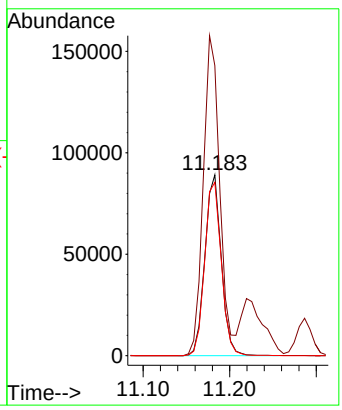




#77
Bromobenzene
Concen: 51.947 ug/l
RT: 11.183 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047687.D
Acq: 19 Sep 2025 19:03

Tgt Ion:156 Resp: 11739

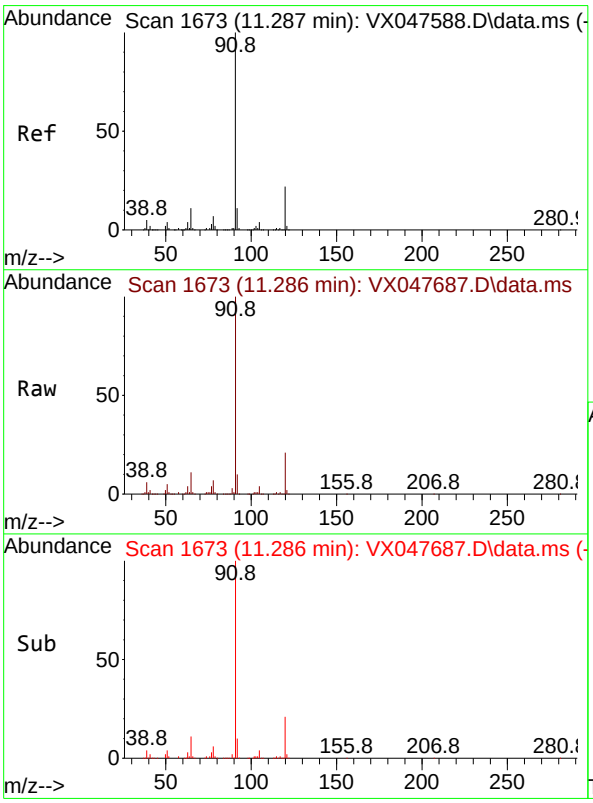
Ion	Ratio	Lower	Upper
156	100		
77	178.3	89.7	269.1
158	97.4	47.9	143.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

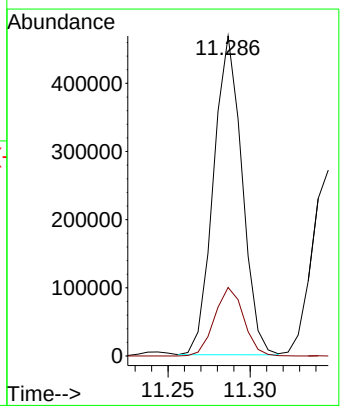
Reviewed By :Semsettin Yesilyurt 09/22/2025
Supervised By :Mahesh Dadoda 09/22/2025

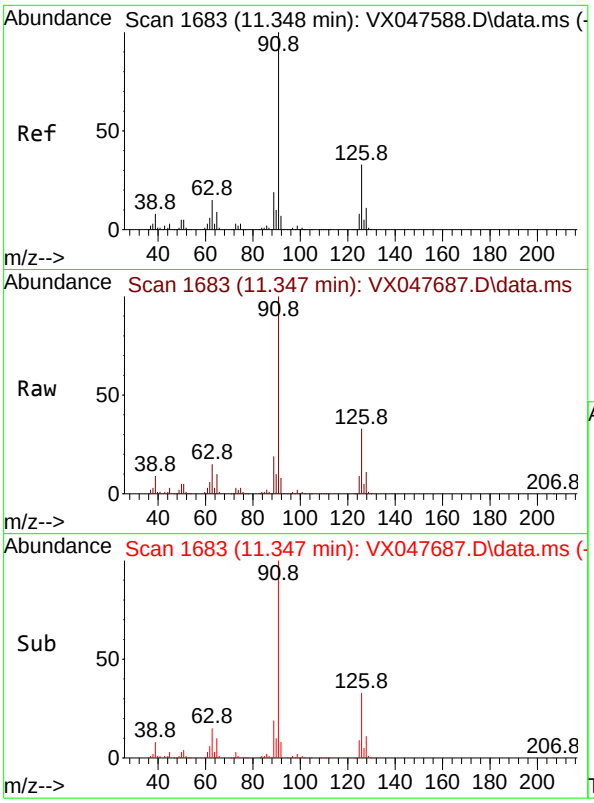


#78
n-propylbenzene
Concen: 52.147 ug/l
RT: 11.286 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX047687.D
Acq: 19 Sep 2025 19:03

Tgt Ion: 91 Resp: 565595

Ion	Ratio	Lower	Upper
91	100		
120	21.9	11.1	33.1

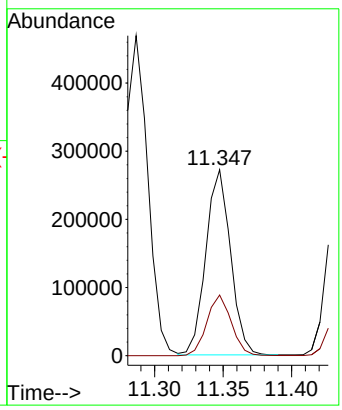




#79
2-Chlorotoluene
Concen: 51.361 ug/l
RT: 11.347 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047687.D
Acq: 19 Sep 2025 19:03

Tgt Ion: 91 Resp: 34119

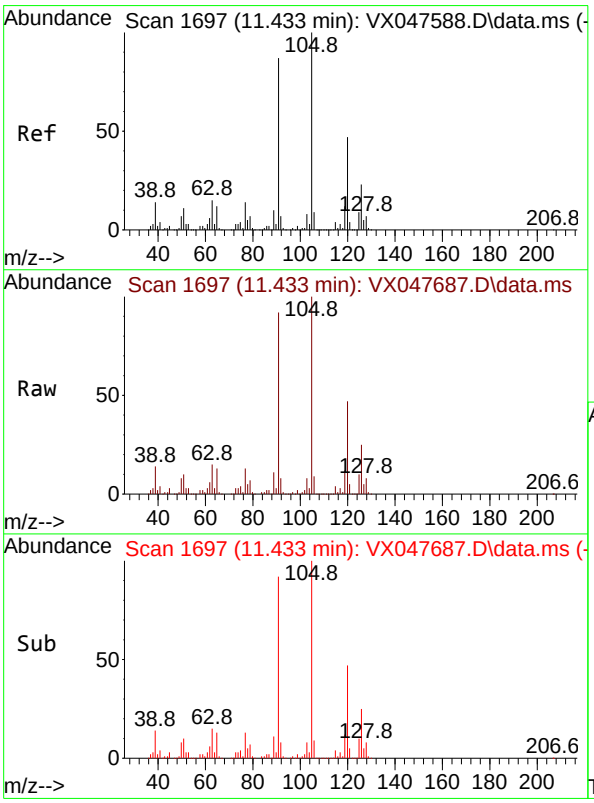
Ion	Ratio	Lower	Upper
91	100		
126	32.4	16.1	48.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

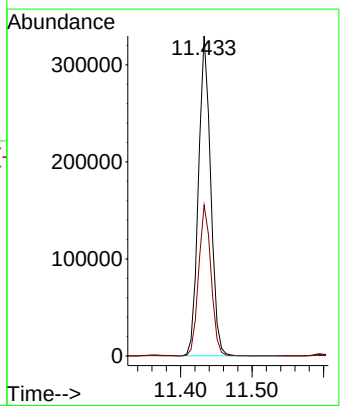
Reviewed By :Semsettin Yesilyurt 09/22/2025
Supervised By :Mahesh Dadoda 09/22/2025

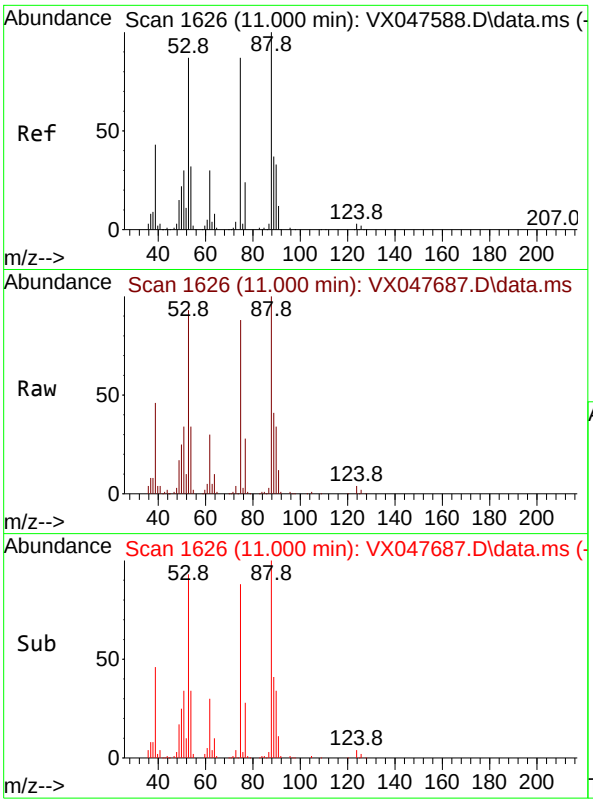


#80
1,3,5-Trimethylbenzene
Concen: 51.564 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX047687.D
Acq: 19 Sep 2025 19:03

Tgt Ion:105 Resp: 388702

Ion	Ratio	Lower	Upper
105	100		
120	48.1	23.6	70.8





#81
trans-1,4-Dichloro-2-butene
Concen: 45.792 ug/l
RT: 11.000 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047687.D
Acq: 19 Sep 2025 19:03

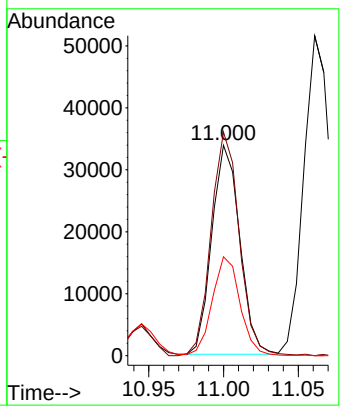
Tgt Ion: 75 Resp: 4387

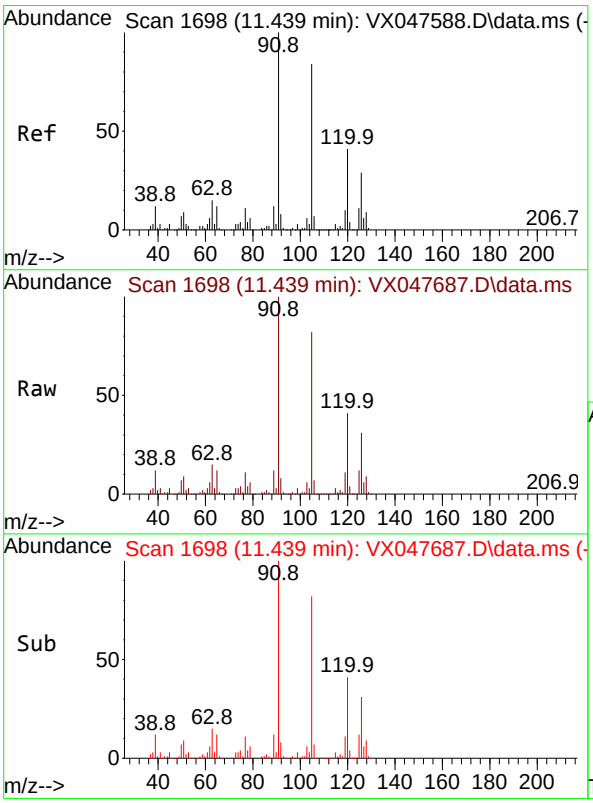
Ion	Ratio	Lower	Upper
75	100		
53	108.1	83.4	125.2
89	47.0	36.3	54.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 09/22/2025
Supervised By :Mahesh Dadoda 09/22/2025

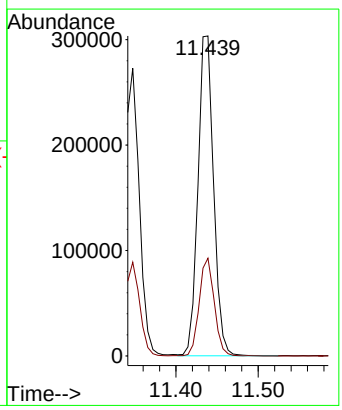


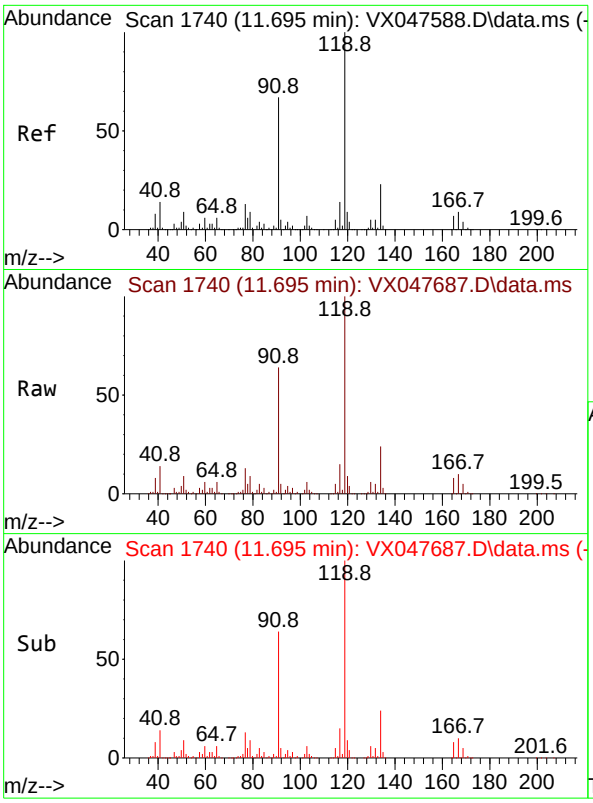


#82
4-Chlorotoluene
Concen: 51.132 ug/l
RT: 11.439 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VX047687.D
Acq: 19 Sep 2025 19:03

Tgt Ion: 91 Resp: 401172

Ion	Ratio	Lower	Upper
91	100		
126	29.5	14.2	42.6

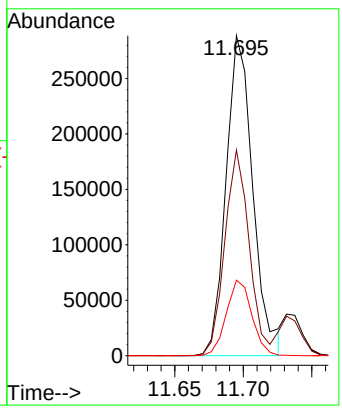




#83
tert-Butylbenzene
Concen: 50.797 ug/l
RT: 11.695 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047687.D
Acq: 19 Sep 2025 19:03

Tgt Ion:119 Resp: 39198

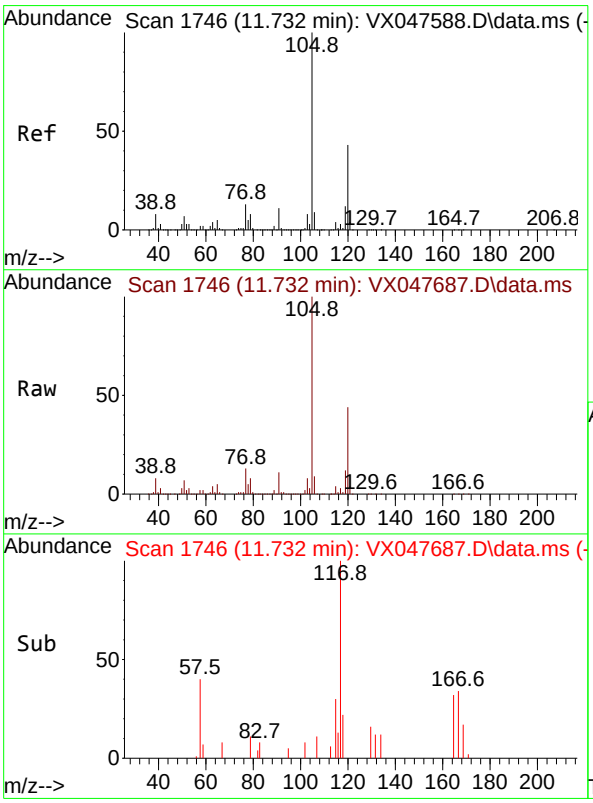
Ion	Ratio	Lower	Upper
119	100		
91	58.7	29.6	88.8
134	22.6	11.0	33.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

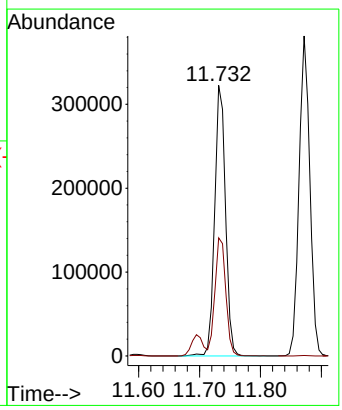
Reviewed By :Semsettin Yesilyurt 09/22/2025
Supervised By :Mahesh Dadoda 09/22/2025

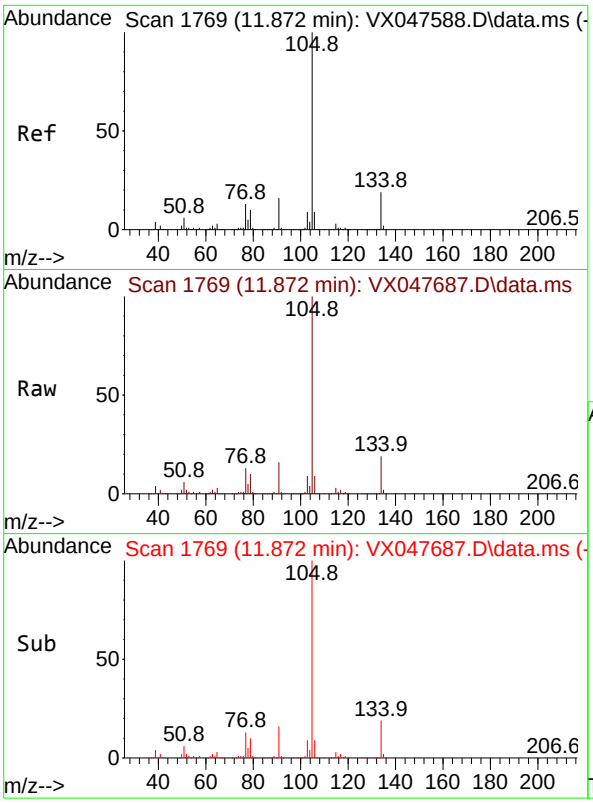


#84
1,2,4-Trimethylbenzene
Concen: 52.011 ug/l
RT: 11.732 min Scan# 1746
Delta R.T. -0.000 min
Lab File: VX047687.D
Acq: 19 Sep 2025 19:03

Tgt Ion:105 Resp: 397498

Ion	Ratio	Lower	Upper
105	100		
120	43.8	22.1	66.1

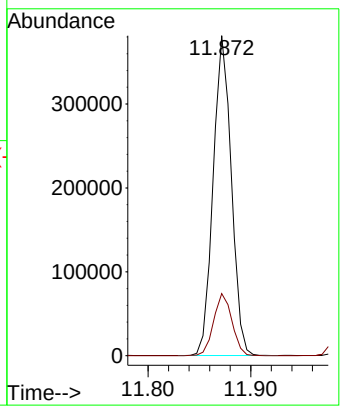




#85
sec-Butylbenzene
Concen: 51.055 ug/l
RT: 11.872 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047687.D
Acq: 19 Sep 2025 19:03

Tgt Ion:105 Resp: 46796

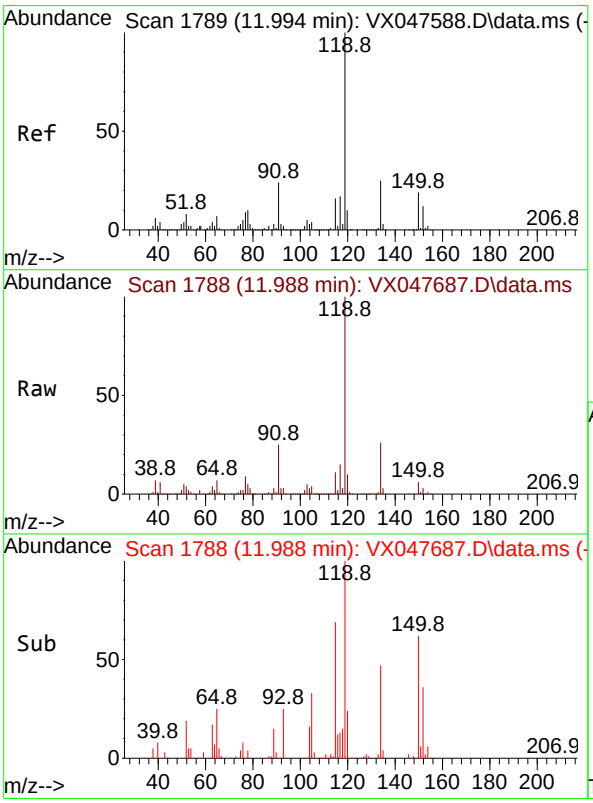
Ion	Ratio	Lower	Upper
105	100		
134	19.6	9.8	29.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

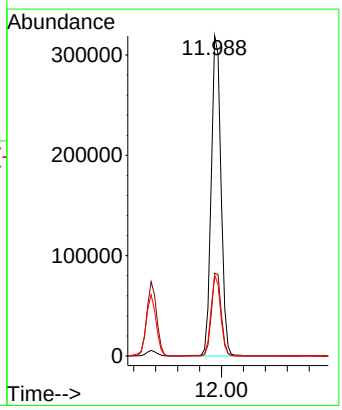
Reviewed By :Semsettin Yesilyurt 09/22/2025
Supervised By :Mahesh Dadoda 09/22/2025

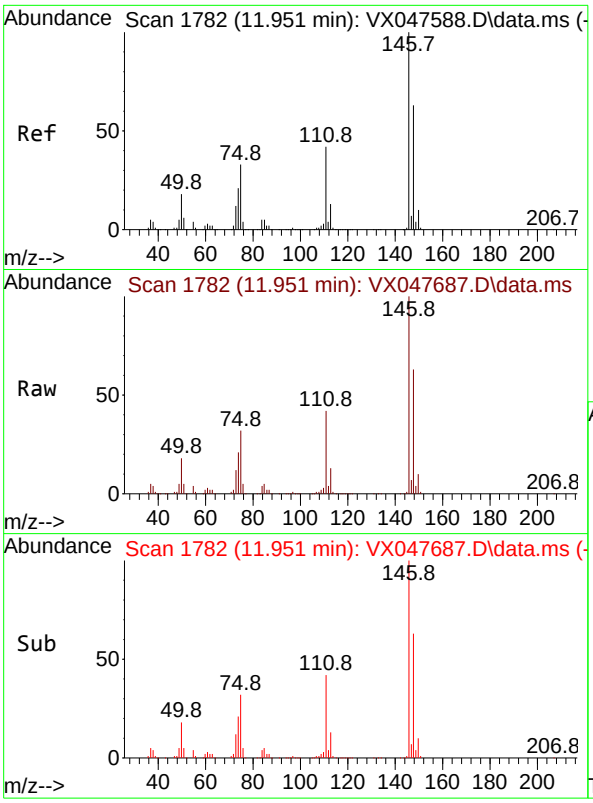


#86
p-Isopropyltoluene
Concen: 50.599 ug/l
RT: 11.988 min Scan# 1788
Delta R.T. -0.006 min
Lab File: VX047687.D
Acq: 19 Sep 2025 19:03

Tgt Ion:119 Resp: 392640

Ion	Ratio	Lower	Upper
119	100		
134	25.8	12.6	37.8
91	24.8	12.6	37.6

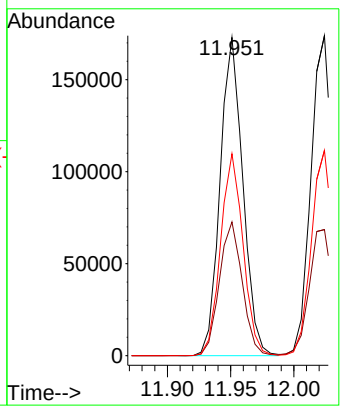




#87
1,3-Dichlorobenzene
Concen: 51.456 ug/l
RT: 11.951 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047687.D
Acq: 19 Sep 2025 19:03

Tgt Ion:146 Resp: 21597

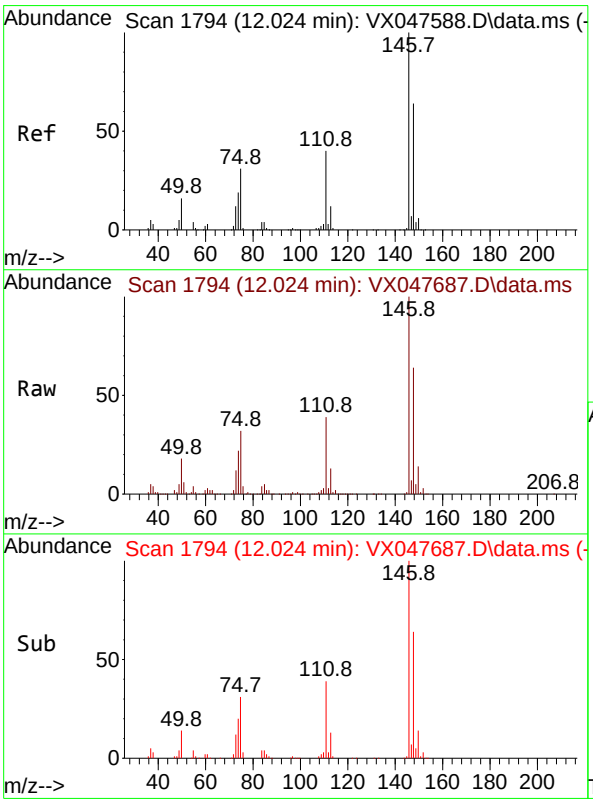
Ion	Ratio	Lower	Upper
146	100		
111	42.5	21.5	64.5
148	62.8	32.0	96.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

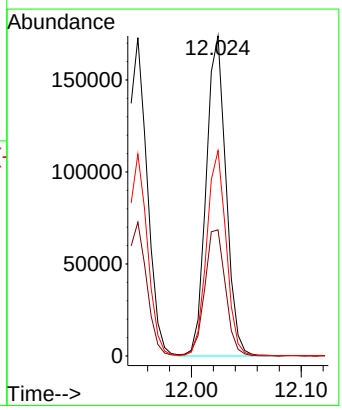
Reviewed By :Semsettin Yesilyurt 09/22/2025
Supervised By :Mahesh Dadoda 09/22/2025

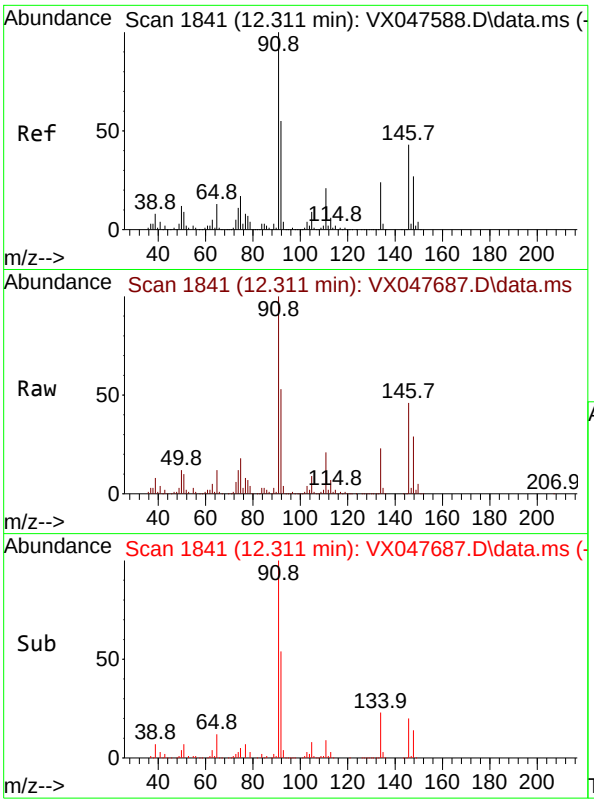


#88
1,4-Dichlorobenzene
Concen: 50.659 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX047687.D
Acq: 19 Sep 2025 19:03

Tgt Ion:146 Resp: 218234

Ion	Ratio	Lower	Upper
146	100		
111	41.3	20.8	62.4
148	63.3	31.7	95.1





#89
n-Butylbenzene
Concen: 50.892 ug/l
RT: 12.311 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047687.D
Acq: 19 Sep 2025 19:03

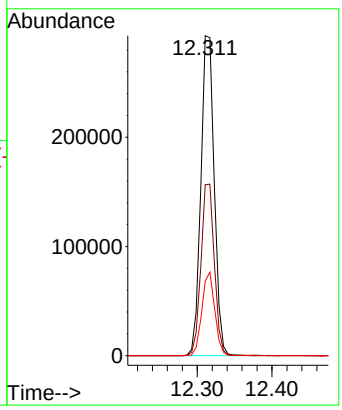
Tgt Ion: 91 Resp: 365418

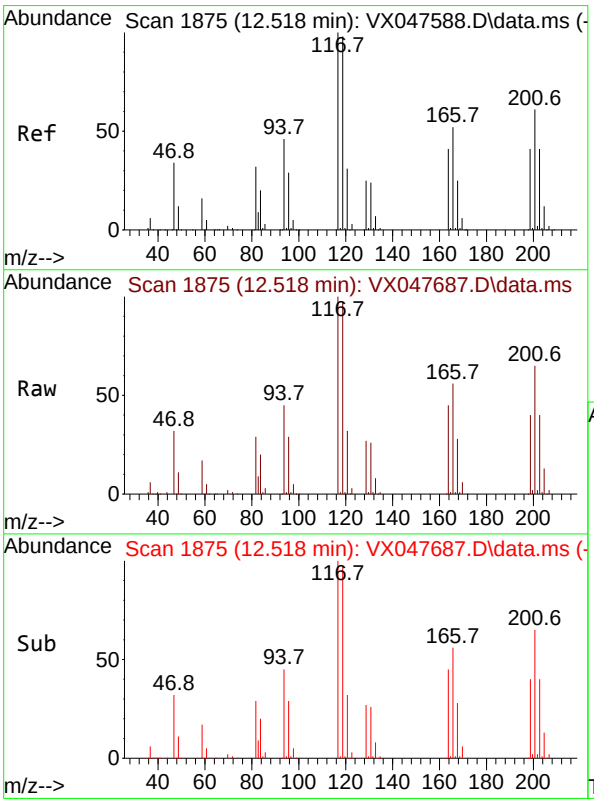
Ion	Ratio	Lower	Upper
91	100		
92	53.6	27.6	82.7
134	25.0	12.6	37.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 09/22/2025
Supervised By :Mahesh Dadoda 09/22/2025

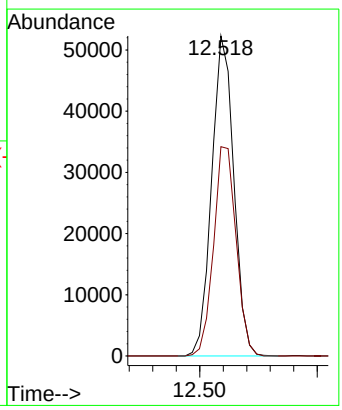


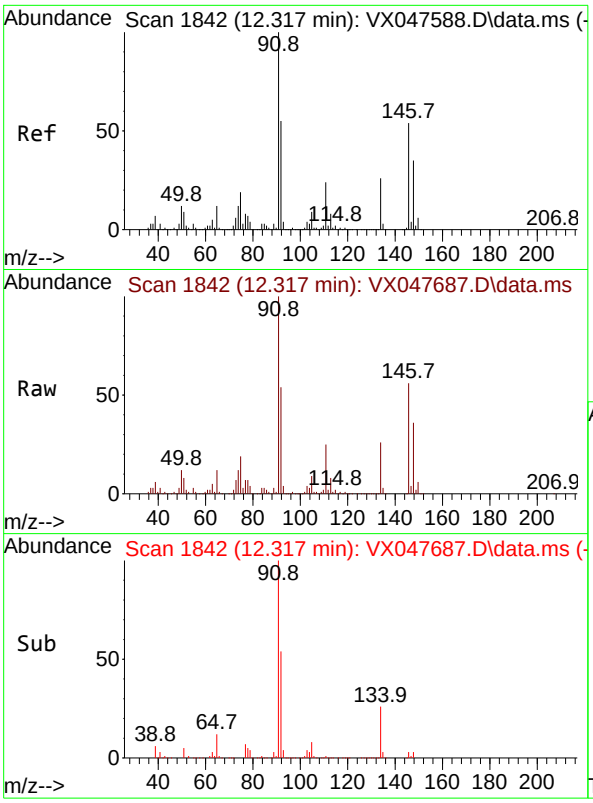


#90
Hexachloroethane
Concen: 50.250 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VX047687.D
Acq: 19 Sep 2025 19:03

Tgt Ion:117 Resp: 68460

Ion	Ratio	Lower	Upper
117	100		
201	66.7	34.2	102.5

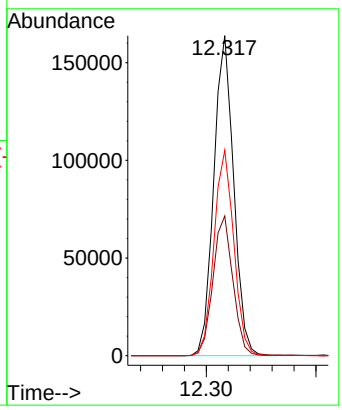




#91
1,2-Dichlorobenzene
Concen: 51.610 ug/l
RT: 12.317 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047687.D
Acq: 19 Sep 2025 19:03

Tgt Ion:146 Resp: 20637

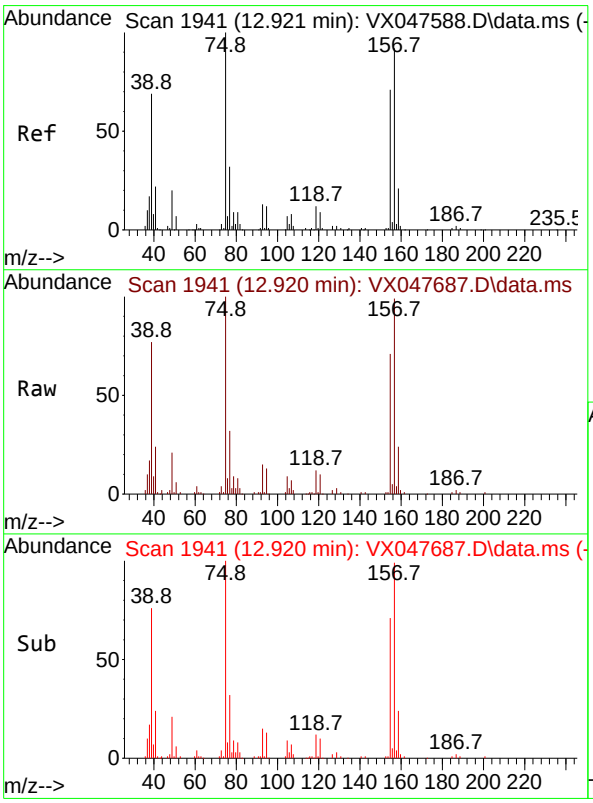
Ion	Ratio	Lower	Upper
146	100		
111	43.8	22.2	66.6
148	64.4	31.8	95.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

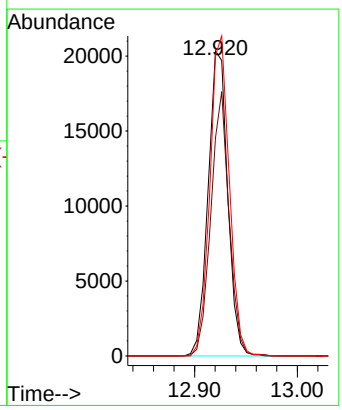
Reviewed By :Semsettin Yesilyurt 09/22/2025
Supervised By :Mahesh Dadoda 09/22/2025

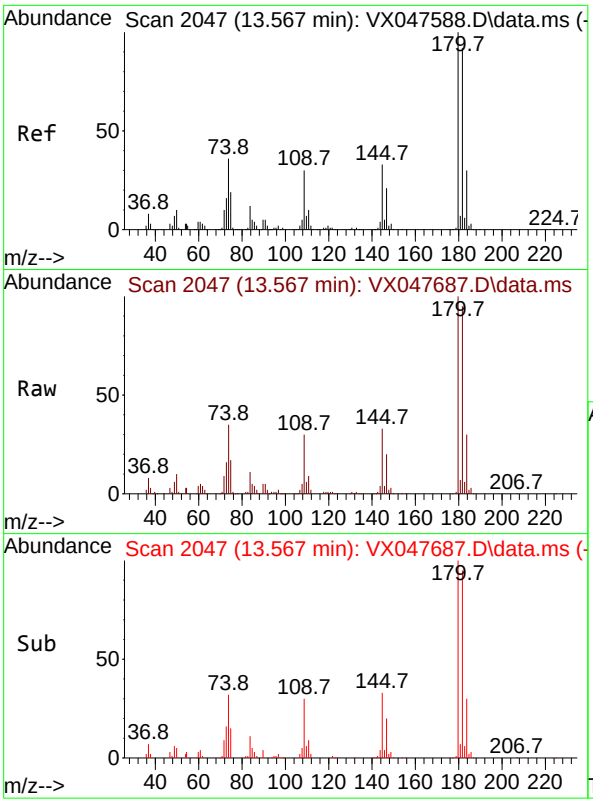


#92
1,2-Dibromo-3-Chloropropane
Concen: 47.873 ug/l
RT: 12.920 min Scan# 1941
Delta R.T. -0.000 min
Lab File: VX047687.D
Acq: 19 Sep 2025 19:03

Tgt Ion: 75 Resp: 26906

Ion	Ratio	Lower	Upper
75	100		
155	80.6	37.7	113.1
157	104.0	49.8	149.4

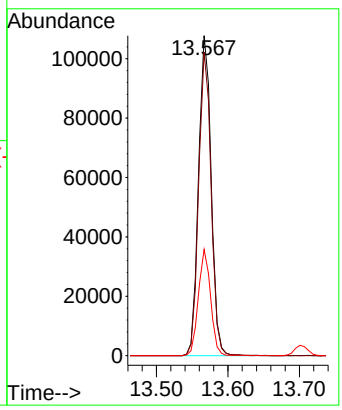




#93
1,2,4-Trichlorobenzene
Concen: 50.815 ug/l
RT: 13.567 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047687.D
Acq: 19 Sep 2025 19:03

Tgt Ion:180 Resp: 13206

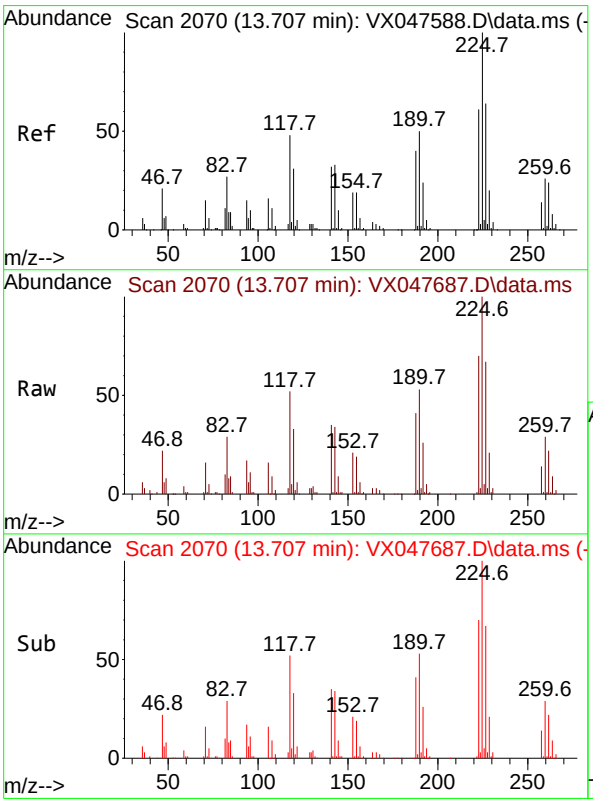
Ion	Ratio	Lower	Upper
180	100		
182	93.5	46.6	139.8
145	32.1	16.4	49.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

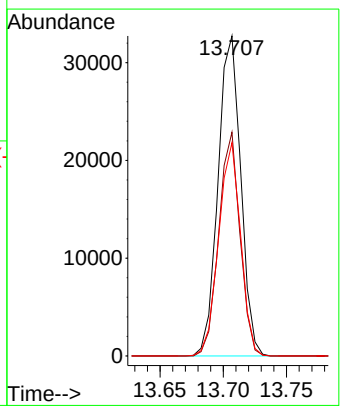
Reviewed By :Semsettin Yesilyurt 09/22/2025
Supervised By :Mahesh Dadoda 09/22/2025

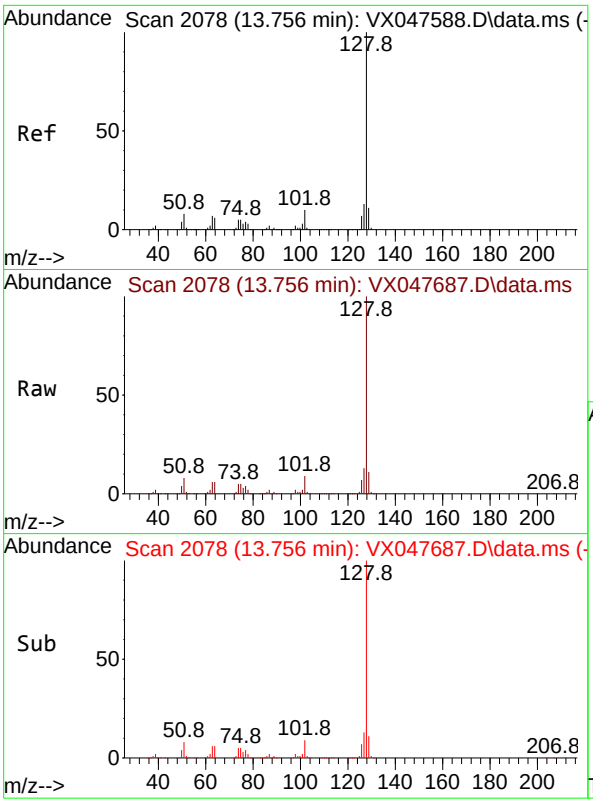


#94
Hexachlorobutadiene
Concen: 46.163 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. -0.000 min
Lab File: VX047687.D
Acq: 19 Sep 2025 19:03

Tgt Ion:225 Resp: 40751

Ion	Ratio	Lower	Upper
225	100		
223	65.3	31.7	95.1
227	64.6	32.0	96.0

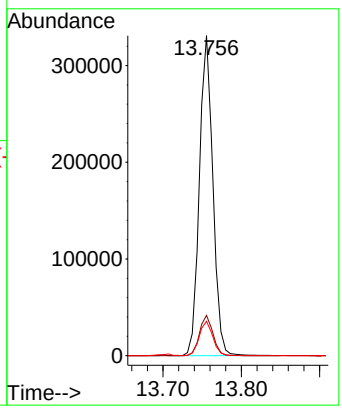




#95
Naphthalene
Concen: 49.995 ug/l
RT: 13.756 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047687.D
Acq: 19 Sep 2025 19:03

Tgt Ion:128 Resp: 39564

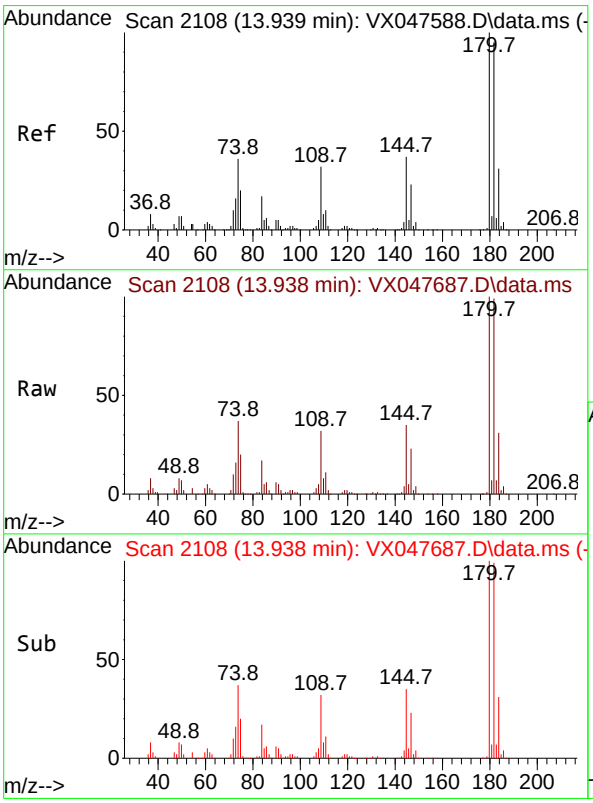
Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.2	15.2
129	10.9	8.8	13.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

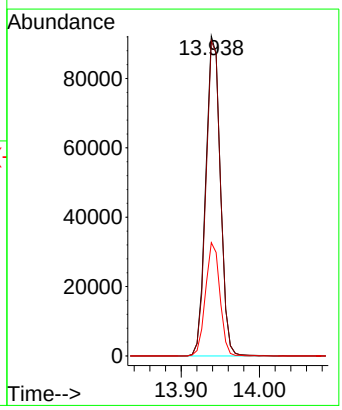
Reviewed By :Semsettin Yesilyurt 09/22/2025
Supervised By :Mahesh Dadoda 09/22/2025



#96
1,2,3-Trichlorobenzene
Concen: 49.173 ug/l
RT: 13.938 min Scan# 2108
Delta R.T. -0.000 min
Lab File: VX047687.D
Acq: 19 Sep 2025 19:03

Tgt Ion:180 Resp: 118876

Ion	Ratio	Lower	Upper
180	100		
182	98.1	47.6	142.8
145	34.9	17.9	53.7



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091925\
Data File : VX047687.D
Acq On : 19 Sep 2025 19:03
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Sep 20 00:37:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	89	0.00
2	T	Dichlorodifluoromethane	0.518	0.658	-27.0#	117	0.00
3	P	Chloromethane	0.680	0.802	-17.9	108	0.00
4	C	Vinyl Chloride	0.666	0.795	-19.4#	107	0.00
5	T	Bromomethane	0.422	0.503	-19.2	106	0.00
6	T	Chloroethane	0.445	0.502	-12.8	101	0.00
7	T	Trichlorofluoromethane	0.989	1.094	-10.6	98	0.00
8	T	Diethyl Ether	0.405	0.440	-8.6	96	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.578	0.646	-11.8	99	0.00
10	T	Methyl Iodide	0.902	0.951	-5.4	93	0.00
11	T	Tert butyl alcohol	0.089	0.075	15.7	75	0.00
12	CM	1,1-Dichloroethene	0.594	0.654	-10.1#	96	0.00
13	T	Acrolein	0.082	0.089	-8.5	97	0.00
14	T	Allyl chloride	1.226	1.266	-3.3	93	0.00
15	T	Acrylonitrile	0.328	0.358	-9.1	92	0.00
16	T	Acetone	0.346	0.275	20.5	77	0.00
17	T	Carbon Disulfide	1.626	1.876	-15.4	107	0.00
18	T	Methyl Acetate	0.770	0.823	-6.9	84	0.00
19	T	Methyl tert-butyl Ether	2.169	2.274	-4.8	90	0.00
20	T	Methylene Chloride	0.732	0.795	-8.6	97	0.00
21	T	trans-1,2-Dichloroethene	0.640	0.708	-10.6	97	0.00
22	T	Diisopropyl ether	2.376	2.591	-9.0	93	0.00
23	T	Vinyl Acetate	1.901	2.088	-9.8	93	0.00
24	P	1,1-Dichloroethane	1.263	1.378	-9.1	95	0.00
25	T	2-Butanone	0.432	0.427	1.2	87	0.00
26	T	2,2-Dichloropropane	1.050	0.943	10.2	79	0.00
27	T	cis-1,2-Dichloroethene	0.783	0.841	-7.4	93	0.00
28	T	Bromochloromethane	0.551	0.592	-7.4	91	0.00
29	T	Tetrahydrofuran	0.260	0.271	-4.2	88	0.00
30	C	Chloroform	1.276	1.389	-8.9#	94	0.00
31	T	Cyclohexane	1.052	1.123	-6.7	97	0.00
32	T	1,1,1-Trichloroethane	1.082	1.158	-7.0	91	0.00
33	S	1,2-Dichloroethane-d4	0.796	0.848	-6.5	98	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	91	0.00
35	S	Dibromofluoromethane	0.335	0.360	-7.5	99	0.00
36	T	1,1-Dichloropropene	0.490	0.503	-2.7	94	0.00
37	T	Ethyl Acetate	0.525	0.530	-1.0	90	0.00
38	T	Carbon Tetrachloride	0.532	0.541	-1.7	91	0.00
39	T	Methylcyclohexane	0.556	0.582	-4.7	93	0.00
40	TM	Benzene	1.488	1.601	-7.6	95	0.00
41	T	Methacrylonitrile	0.271	0.287	-5.9	91	0.00
42	TM	1,2-Dichloroethane	0.566	0.588	-3.9	91	0.00
43	T	Isopropyl Acetate	0.860	0.885	-2.9	89	0.00
44	TM	Trichloroethene	0.360	0.404	-12.2	99	0.00
45	C	1,2-Dichloropropane	0.381	0.410	-7.6#	93	0.00
46	T	Dibromomethane	0.277	0.294	-6.1	92	0.00
47	T	Bromodichloromethane	0.572	0.610	-6.6	91	0.00
48	T	Methyl methacrylate	0.429	0.446	-4.0	90	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091925\
Data File : VX047687.D
Acq On : 19 Sep 2025 19:03
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Sep 20 00:37:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 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	0.004	0.005	-25.0	90	0.00
50	S	Toluene-d8	1.160	1.237	-6.6	98	0.00
51	T	4-Methyl-2-Pentanone	0.477	0.505	-5.9	89	0.00
52	CM	Toluene	0.917	0.979	-6.8#	94	0.00
53	T	t-1,3-Dichloropropene	0.584	0.602	-3.1	88	0.00
54	T	cis-1,3-Dichloropropene	0.624	0.647	-3.7	90	0.00
55	T	1,1,2-Trichloroethane	0.354	0.377	-6.5	93	0.00
56	T	Ethyl methacrylate	0.555	0.595	-7.2	90	0.00
57	T	1,3-Dichloropropane	0.607	0.657	-8.2	93	0.00
58	T	2-Chloroethyl Vinyl ether	0.227	0.276	-21.6	92	0.00
59	T	2-Hexanone	0.343	0.346	-0.9	87	0.00
60	T	Dibromochloromethane	0.407	0.436	-7.1	91	0.00
61	T	1,2-Dibromoethane	0.360	0.396	-10.0	95	0.00
62	S	4-Bromofluorobenzene	0.440	0.465	-5.7	99	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	92	0.00
64	T	Tetrachloroethene	0.326	0.340	-4.3	96	0.00
65	PM	Chlorobenzene	1.136	1.199	-5.5	94	0.00
66	T	1,1,1,2-Tetrachloroethane	0.392	0.409	-4.3	91	0.00
67	C	Ethyl Benzene	1.960	2.077	-6.0#	94	0.00
68	T	m/p-Xylenes	0.729	0.766	-5.1	92	0.00
69	T	o-Xylene	0.706	0.753	-6.7	93	0.00
70	T	Styrene	1.236	1.317	-6.6	94	0.00
71	P	Bromoform	0.293	0.304	-3.8	90	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	94	0.00
73	T	Isopropylbenzene	3.801	3.941	-3.7	92	0.00
74	T	N-amyl acetate	1.733	1.795	-3.6	91	0.00
75	P	1,1,2,2-Tetrachloroethane	1.150	1.206	-4.9	93	0.00
76	T	1,2,3-Trichloropropane	1.012	1.078	-6.5	90	0.00
77	T	Bromobenzene	0.936	0.973	-4.0	93	0.00
78	T	n-propylbenzene	4.494	4.687	-4.3	92	0.00
79	T	2-Chlorotoluene	2.752	2.827	-2.7	92	0.00
80	T	1,3,5-Trimethylbenzene	3.123	3.221	-3.1	91	0.00
81	T	trans-1,4-Dichloro-2-butene	0.397	0.364	8.3	83	0.00
82	T	4-Chlorotoluene	3.251	3.324	-2.2	91	0.00
83	T	tert-Butylbenzene	3.197	3.248	-1.6	91	0.00
84	T	1,2,4-Trimethylbenzene	3.166	3.294	-4.0	93	0.00
85	T	sec-Butylbenzene	3.797	3.878	-2.1	91	0.00
86	T	p-Isopropyltoluene	3.215	3.253	-1.2	90	0.00
87	T	1,3-Dichlorobenzene	1.739	1.790	-2.9	93	0.00
88	T	1,4-Dichlorobenzene	1.785	1.808	-1.3	93	0.00
89	T	n-Butylbenzene	2.975	3.028	-1.8	91	0.00
90	T	Hexachloroethane	0.564	0.567	-0.5	90	0.00
91	T	1,2-Dichlorobenzene	1.657	1.710	-3.2	93	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.233	0.223	4.3	83	0.00
93	T	1,2,4-Trichlorobenzene	1.077	1.094	-1.6	89	0.00
94	T	Hexachlorobutadiene	0.366	0.338	7.7	83	0.00
95	T	Naphthalene	3.279	3.278	0.0	88	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091925\
Data File : VX047687.D
Acq On : 19 Sep 2025 19:03
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Sep 20 00:37:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 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	1.002	0.985	1.7	86	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091925\
Data File : VX047687.D
Acq On : 19 Sep 2025 19:03
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Sep 20 00:37:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	89	0.00
2	T	Dichlorodifluoromethane	50.000	63.588	-27.2#	117	0.00
3	P	Chloromethane	50.000	58.927	-17.9	108	0.00
4	C	Vinyl Chloride	50.000	59.703	-19.4#	107	0.00
5	T	Bromomethane	50.000	59.499	-19.0	106	0.00
6	T	Chloroethane	50.000	56.391	-12.8	101	0.00
7	T	Trichlorofluoromethane	50.000	55.285	-10.6	98	0.00
8	T	Diethyl Ether	50.000	54.429	-8.9	96	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	55.814	-11.6	99	0.00
10	T	Methyl Iodide	50.000	52.731	-5.5	93	0.00
11	T	Tert butyl alcohol	250.000	212.661	14.9	75	0.00
12	CM	1,1-Dichloroethene	50.000	55.015	-10.0#	96	0.00
13	T	Acrolein	250.000	271.404	-8.6	97	0.00
14	T	Allyl chloride	50.000	51.642	-3.3	93	0.00
15	T	Acrylonitrile	250.000	272.421	-9.0	92	0.00
16	T	Acetone	250.000	198.313	20.7	77	0.00
17	T	Carbon Disulfide	50.000	57.679	-15.4	107	0.00
18	T	Methyl Acetate	50.000	53.432	-6.9	84	0.00
19	T	Methyl tert-butyl Ether	50.000	52.436	-4.9	90	0.00
20	T	Methylene Chloride	50.000	54.250	-8.5	97	0.00
21	T	trans-1,2-Dichloroethene	50.000	55.385	-10.8	97	0.00
22	T	Diisopropyl ether	50.000	54.541	-9.1	93	0.00
23	T	Vinyl Acetate	250.000	274.498	-9.8	93	0.00
24	P	1,1-Dichloroethane	50.000	54.560	-9.1	95	0.00
25	T	2-Butanone	250.000	247.197	1.1	87	0.00
26	T	2,2-Dichloropropane	50.000	44.928	10.1	79	0.00
27	T	cis-1,2-Dichloroethene	50.000	53.677	-7.4	93	0.00
28	T	Bromochloromethane	50.000	53.668	-7.3	91	0.00
29	T	Tetrahydrofuran	250.000	260.441	-4.2	88	0.00
30	C	Chloroform	50.000	54.443	-8.9#	94	0.00
31	T	Cyclohexane	50.000	53.387	-6.8	97	0.00
32	T	1,1,1-Trichloroethane	50.000	53.474	-6.9	91	0.00
33	S	1,2-Dichloroethane-d4	50.000	53.282	-6.6	98	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	91	0.00
35	S	Dibromofluoromethane	50.000	53.721	-7.4	99	0.00
36	T	1,1-Dichloropropene	50.000	51.362	-2.7	94	0.00
37	T	Ethyl Acetate	50.000	50.499	-1.0	90	0.00
38	T	Carbon Tetrachloride	50.000	50.831	-1.7	91	0.00
39	T	Methylcyclohexane	50.000	52.363	-4.7	93	0.00
40	TM	Benzene	50.000	53.802	-7.6	95	0.00
41	T	Methacrylonitrile	50.000	53.000	-6.0	91	0.00
42	TM	1,2-Dichloroethane	50.000	51.951	-3.9	91	0.00
43	T	Isopropyl Acetate	50.000	51.410	-2.8	89	0.00
44	TM	Trichloroethene	50.000	56.204	-12.4	99	0.00
45	C	1,2-Dichloropropane	50.000	53.755	-7.5#	93	0.00
46	T	Dibromomethane	50.000	53.014	-6.0	92	0.00
47	T	Bromodichloromethane	50.000	53.260	-6.5	91	0.00
48	T	Methyl methacrylate	50.000	52.004	-4.0	90	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091925\
Data File : VX047687.D
Acq On : 19 Sep 2025 19:03
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Sep 20 00:37:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 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	1102.850	-10.3	90	0.00
50	S	Toluene-d8	50.000	53.308	-6.6	98	0.00
51	T	4-Methyl-2-Pentanone	250.000	264.517	-5.8	89	0.00
52	CM	Toluene	50.000	53.368	-6.7#	94	0.00
53	T	t-1,3-Dichloropropene	50.000	51.527	-3.1	88	0.00
54	T	cis-1,3-Dichloropropene	50.000	51.815	-3.6	90	0.00
55	T	1,1,2-Trichloroethane	50.000	53.322	-6.6	93	0.00
56	T	Ethyl methacrylate	50.000	53.586	-7.2	90	0.00
57	T	1,3-Dichloropropane	50.000	54.129	-8.3	93	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	259.650	-3.9	92	0.00
59	T	2-Hexanone	250.000	252.510	-1.0	87	0.00
60	T	Dibromochloromethane	50.000	53.465	-6.9	91	0.00
61	T	1,2-Dibromoethane	50.000	54.996	-10.0	95	0.00
62	S	4-Bromofluorobenzene	50.000	52.822	-5.6	99	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	92	0.00
64	T	Tetrachloroethene	50.000	52.205	-4.4	96	0.00
65	PM	Chlorobenzene	50.000	52.793	-5.6	94	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	52.201	-4.4	91	0.00
67	C	Ethyl Benzene	50.000	52.982	-6.0#	94	0.00
68	T	m/p-Xylenes	100.000	104.973	-5.0	92	0.00
69	T	o-Xylene	50.000	53.332	-6.7	93	0.00
70	T	Styrene	50.000	53.259	-6.5	94	0.00
71	P	Bromoform	50.000	51.882	-3.8	90	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	94	0.00
73	T	Isopropylbenzene	50.000	51.835	-3.7	92	0.00
74	T	N-amyl acetate	50.000	51.785	-3.6	91	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	52.421	-4.8	93	0.00
76	T	1,2,3-Trichloropropane	50.000	53.229	-6.5	90	0.00
77	T	Bromobenzene	50.000	51.947	-3.9	93	0.00
78	T	n-propylbenzene	50.000	52.147	-4.3	92	0.00
79	T	2-Chlorotoluene	50.000	51.361	-2.7	92	0.00
80	T	1,3,5-Trimethylbenzene	50.000	51.564	-3.1	91	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	45.792	8.4	83	0.00
82	T	4-Chlorotoluene	50.000	51.132	-2.3	91	0.00
83	T	tert-Butylbenzene	50.000	50.797	-1.6	91	0.00
84	T	1,2,4-Trimethylbenzene	50.000	52.011	-4.0	93	0.00
85	T	sec-Butylbenzene	50.000	51.055	-2.1	91	0.00
86	T	p-Isopropyltoluene	50.000	50.599	-1.2	90	0.00
87	T	1,3-Dichlorobenzene	50.000	51.456	-2.9	93	0.00
88	T	1,4-Dichlorobenzene	50.000	50.659	-1.3	93	0.00
89	T	n-Butylbenzene	50.000	50.892	-1.8	91	0.00
90	T	Hexachloroethane	50.000	50.250	-0.5	90	0.00
91	T	1,2-Dichlorobenzene	50.000	51.610	-3.2	93	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	47.873	4.3	83	0.00
93	T	1,2,4-Trichlorobenzene	50.000	50.815	-1.6	89	0.00
94	T	Hexachlorobutadiene	50.000	46.163	7.7	83	0.00
95	T	Naphthalene	50.000	49.995	0.0	88	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091925\
Data File : VX047687.D
Acq On : 19 Sep 2025 19:03
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Sep 20 00:37:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	49.173	1.7	86	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

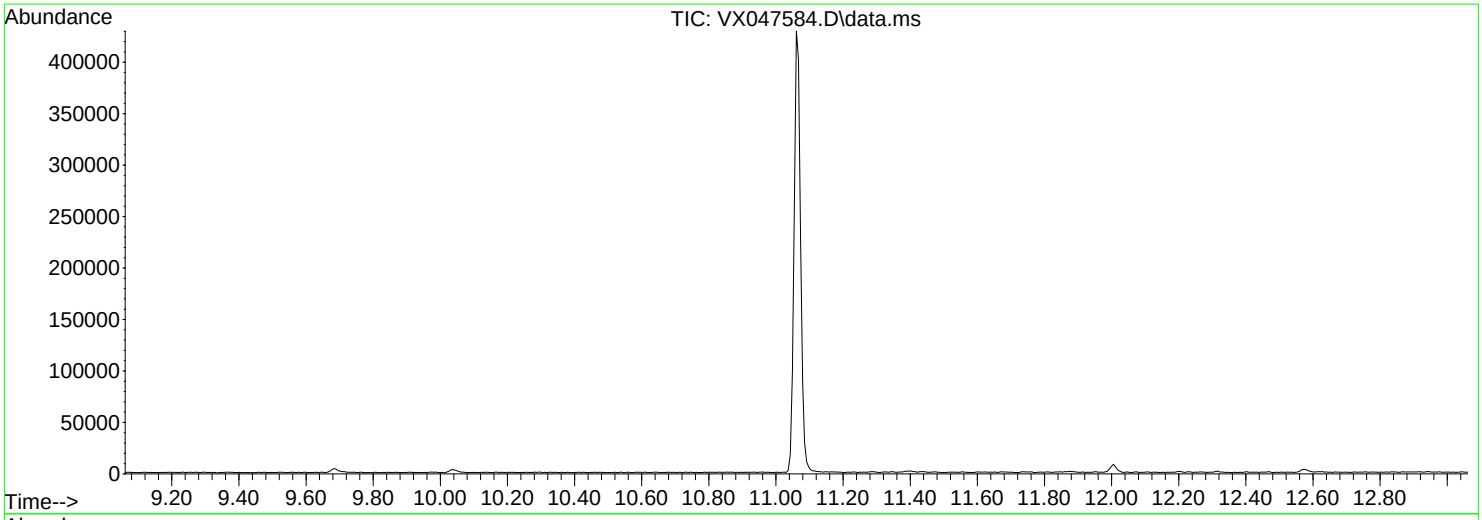
QC SAMPLE DATA

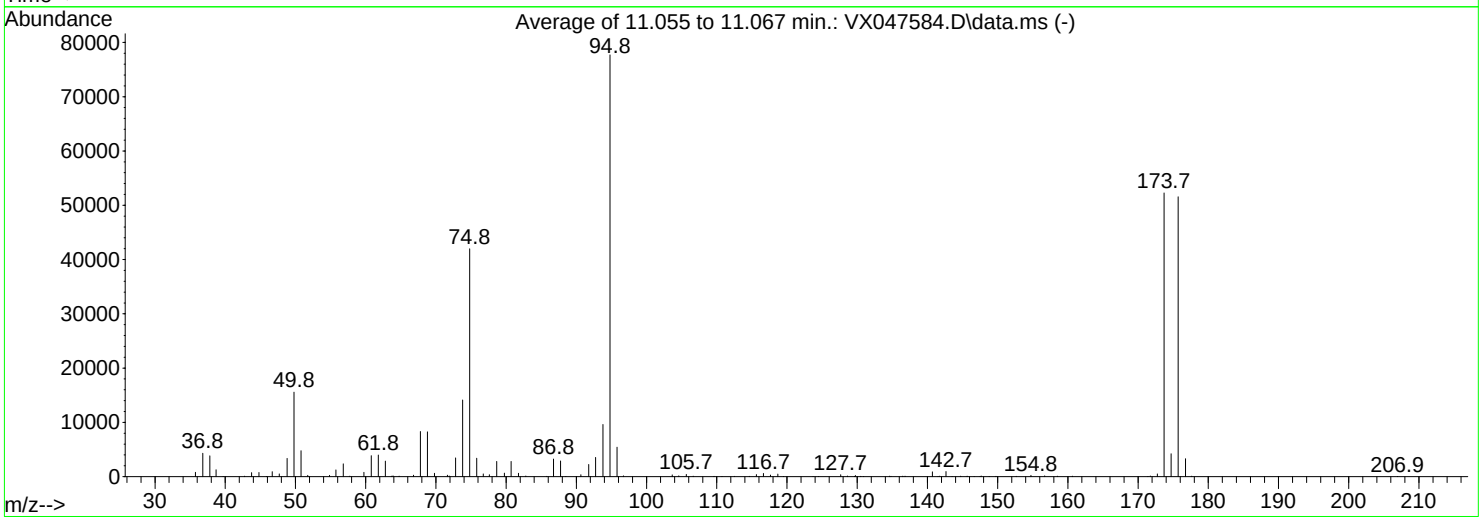
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047584.D
Acq On : 16 Sep 2025 08:56
Operator : JC/MD
Sample : BFB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Title : SW846 8260
Last Update : Wed Sep 17 06:39:58 2025





AutoFind: Scans 1635, 1636, 1637; Background Corrected with Scan 1628

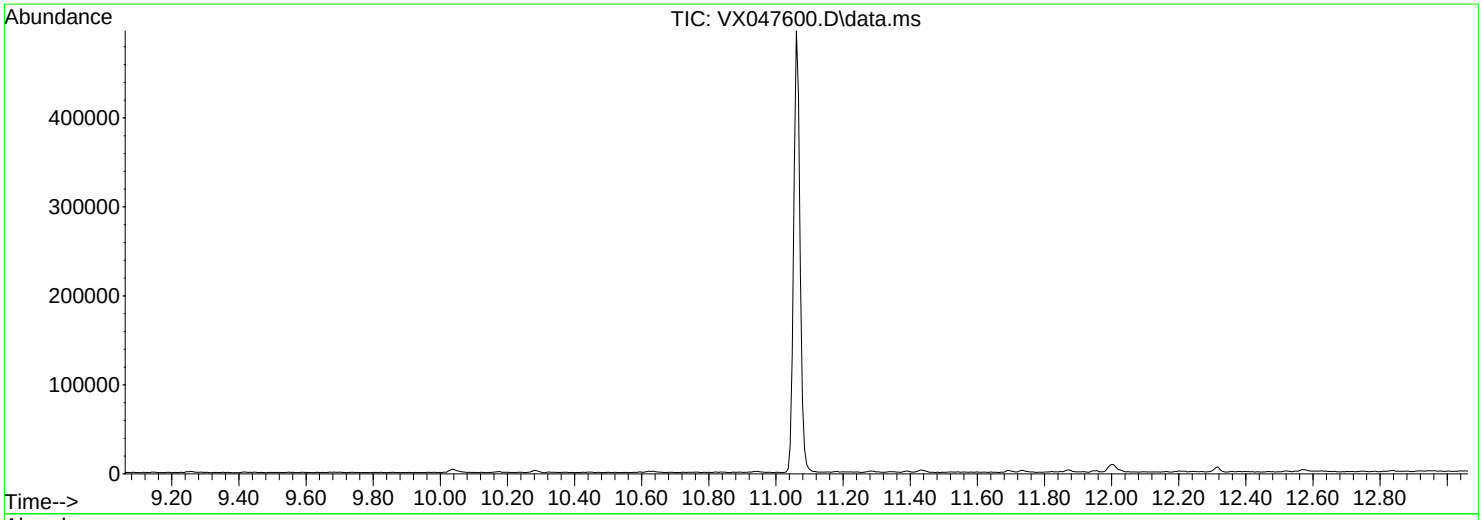
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	20.0	15566	PASS
75	95	30	60	54.0	41979	PASS
95	95	100	100	100.0	77717	PASS
96	95	5	9	7.0	5432	PASS
173	174	0.00	2	1.0	507	PASS
174	95	50	100	67.3	52275	PASS
175	174	5	9	8.1	4209	PASS
176	174	95	101	98.6	51560	PASS
177	176	5	9	6.4	3311	PASS

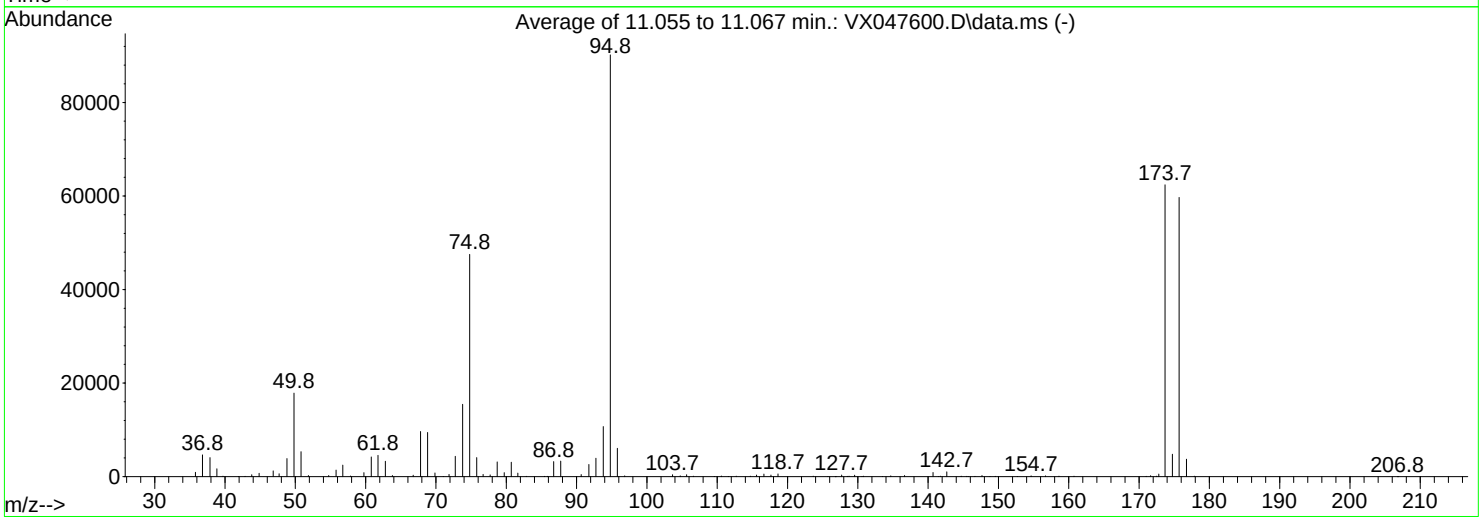
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091725\
Data File : VX047600.D
Acq On : 17 Sep 2025 08:19
Operator : JC/MD
Sample : BFB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Title : SW846 8260
Last Update : Wed Sep 17 06:39:58 2025





AutoFind: Scans 1635, 1636, 1637; Background Corrected with Scan 1628

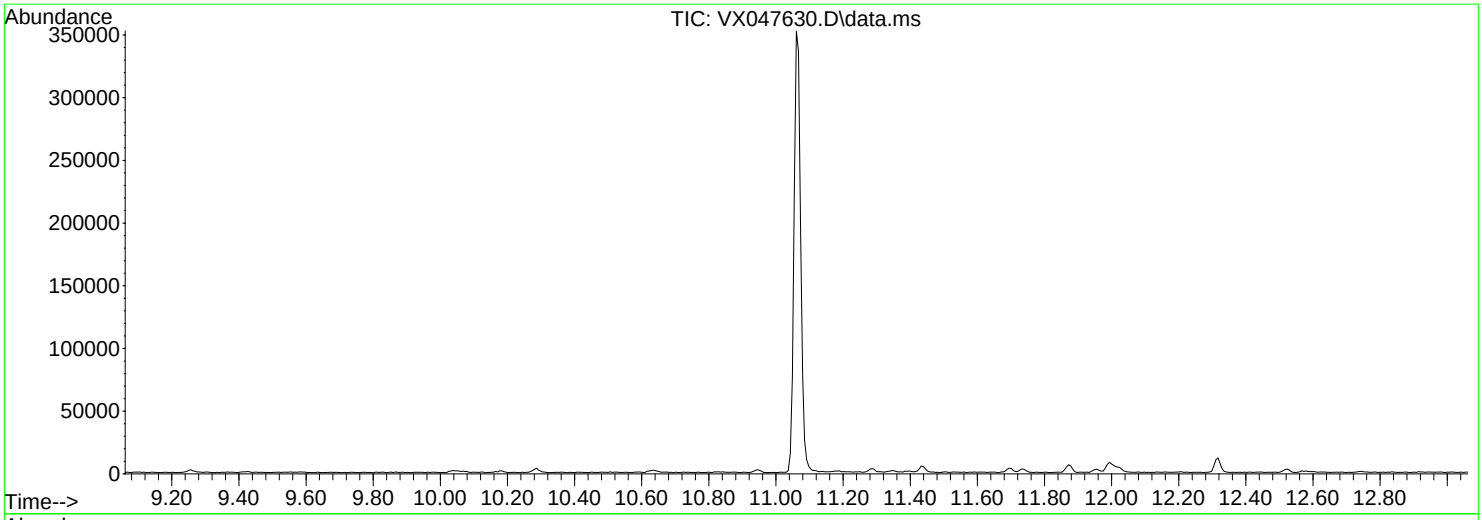
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	19.8	17853	PASS
75	95	30	60	52.7	47523	PASS
95	95	100	100	100.0	90184	PASS
96	95	5	9	6.7	6058	PASS
173	174	0.00	2	0.9	559	PASS
174	95	50	100	69.2	62387	PASS
175	174	5	9	7.7	4803	PASS
176	174	95	101	95.7	59680	PASS
177	176	5	9	6.3	3747	PASS

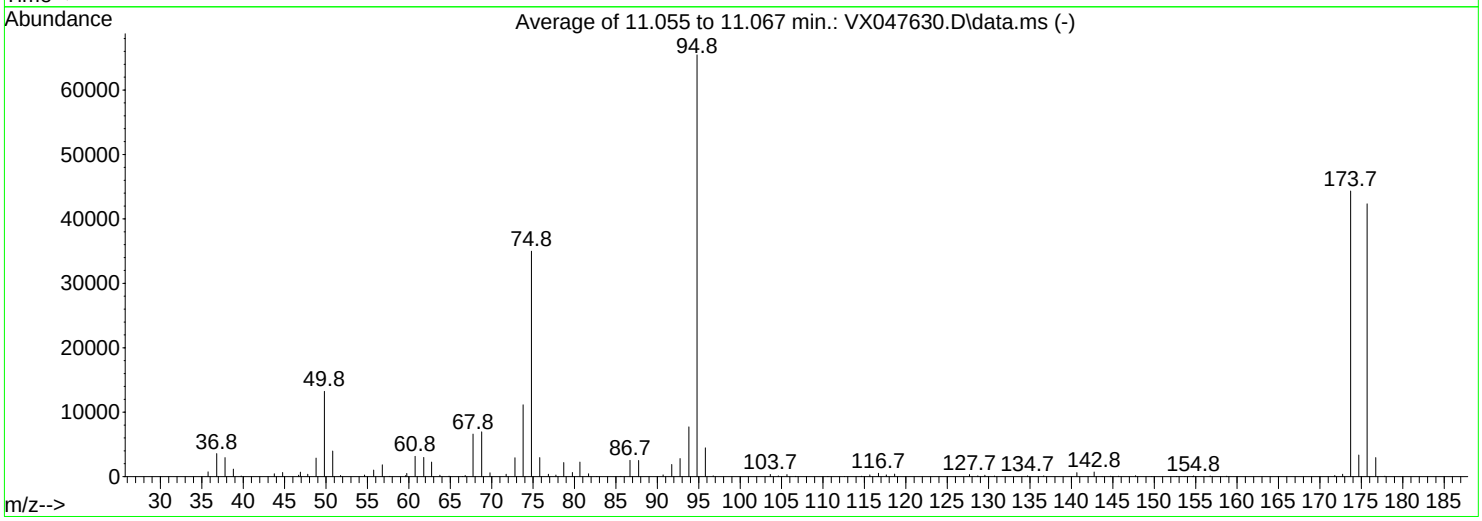
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091825\
Data File : VX047630.D
Acq On : 18 Sep 2025 10:39
Operator : JC/MD
Sample : BFB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Title : SW846 8260
Last Update : Wed Sep 17 06:39:58 2025





AutoFind: Scans 1635, 1636, 1637; Background Corrected with Scan 1629

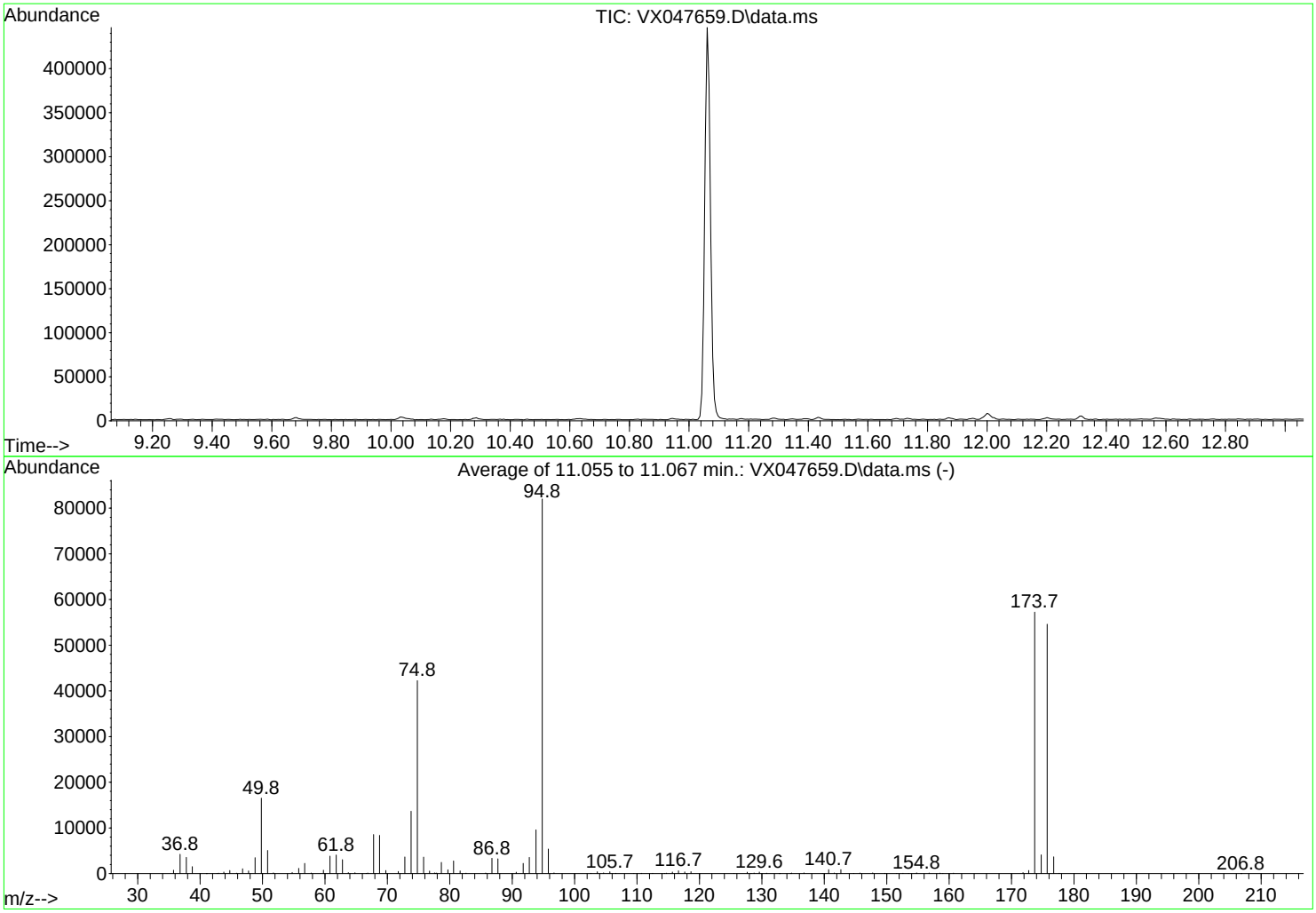
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	20.2	13243	PASS
75	95	30	60	53.5	34997	PASS
95	95	100	100	100.0	65464	PASS
96	95	5	9	6.8	4472	PASS
173	174	0.00	2	0.9	384	PASS
174	95	50	100	67.7	44339	PASS
175	174	5	9	7.6	3358	PASS
176	174	95	101	95.5	42347	PASS
177	176	5	9	7.0	2962	PASS

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091925\
Data File : VX047659.D
Acq On : 19 Sep 2025 08:17
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\82X091625W.M
Title : SW846 8260
Last Update : Wed Sep 17 06:39:58 2025



AutoFind: Scans 1635, 1636, 1637; Background Corrected with Scan 1628

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	20.1	16524	PASS
75	95	30	60	51.5	42251	PASS
95	95	100	100	100.0	82008	PASS
96	95	5	9	6.6	5391	PASS
173	174	0.00	2	1.2	683	PASS
174	95	50	100	69.8	57248	PASS
175	174	5	9	7.2	4099	PASS
176	174	95	101	95.4	54611	PASS
177	176	5	9	6.8	3687	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:	VX0917WBL01	SDG No.:	Q3095
Lab Sample ID:	VX0917WBL01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047603.D	1	09/17/25 09:41	VX091725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	0.50	U	0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.23	0.75	1.00	ug/L
67-64-1	Acetone	3.80	U	1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.22	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.16	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.68	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.14	0.50	1.00	ug/L

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	
Client Sample ID:	VX0917WBL01	SDG No.:	Q3095
Lab Sample ID:	VX0917WBL01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047603.D	1	09/17/25 09:41	VX091725

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	50.2		81 - 118		100%	SPK: 50
1868-53-7	Dibromofluoromethane	47.0		80 - 119		94%	SPK: 50
2037-26-5	Toluene-d8	47.4		89 - 112		95%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.9		85 - 114		106%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	235000	5.538				
540-36-3	1,4-Difluorobenzene	478000	6.745				
3114-55-4	Chlorobenzene-d5	461000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	225000	12.006				

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:	VX0917WBL01	SDG No.:	Q3095
Lab Sample ID:	VX0917WBL01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047603.D	1	09/17/25 09:41	VX091725

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\VX091725\
Data File : VX047603.D
Acq On : 17 Sep 2025 09:41
Operator : JC/MD
Sample : VX0917WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0917WBL01

Quant Time: Sep 18 01:59:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.538	168	235094	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	478397	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	460978	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	224854	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	187947	50.225	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 100.440%			
35) Dibromofluoromethane	5.373	113	150745	46.985	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 93.960%			
50) Toluene-d8	8.635	98	526623	47.436	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 94.880%			
62) 4-Bromofluorobenzene	11.061	95	222687	52.854	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 105.700%			

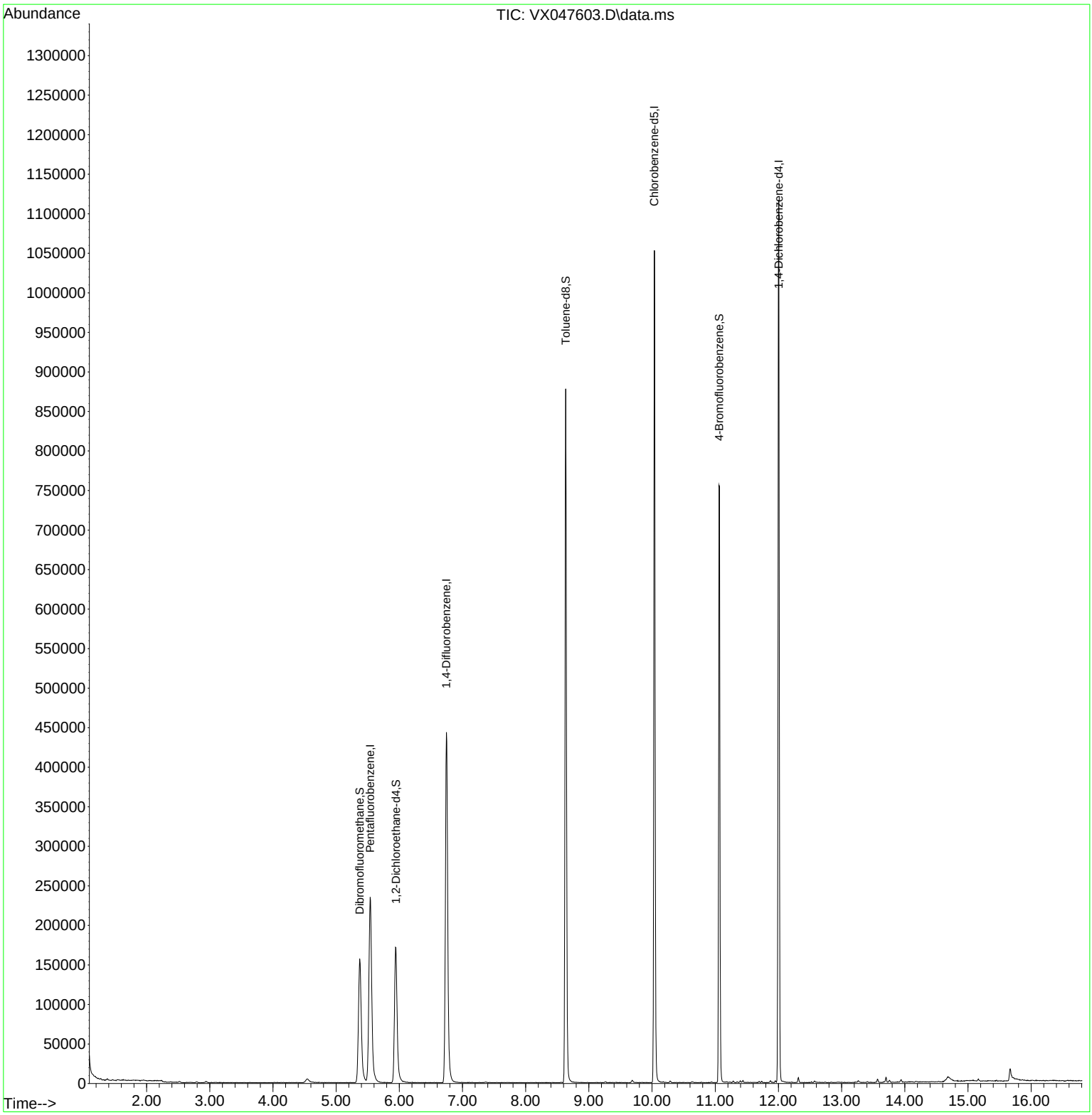
Target Compounds Qvalue

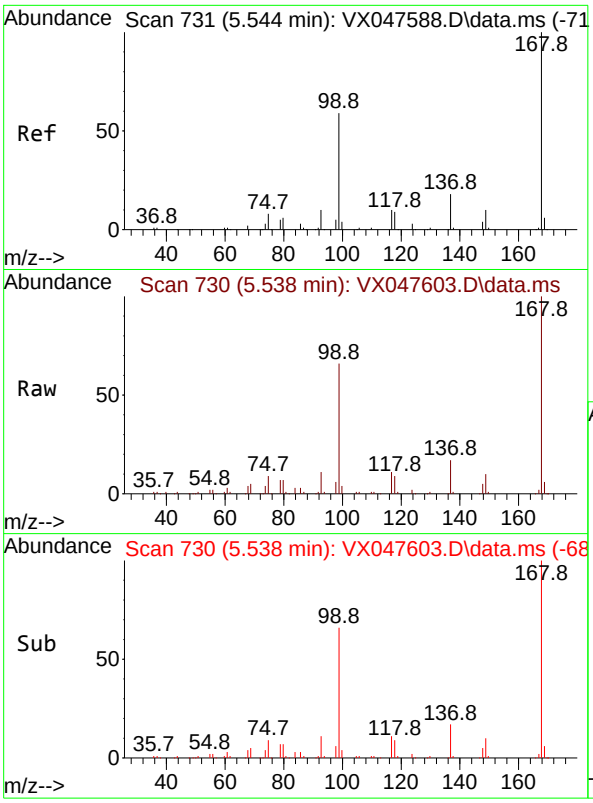
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091725\
Data File : VX047603.D
Acq On : 17 Sep 2025 09:41
Operator : JC/MD
Sample : VX0917WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0917WBL01

Quant Time: Sep 18 01:59:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



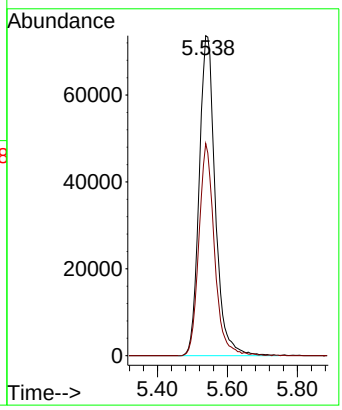


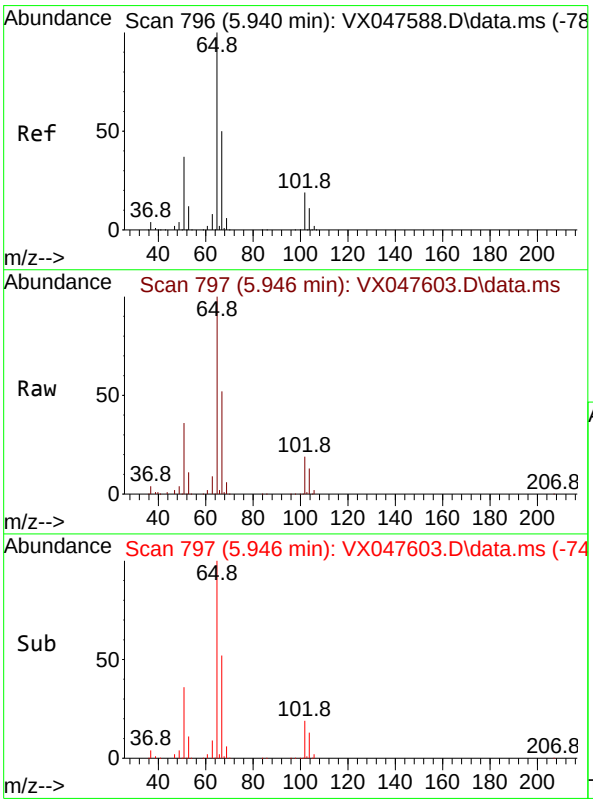
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047603.D
Acq: 17 Sep 2025 09:41

Instrument :
MSVOA_X
ClientSampleId :
VX0917WBL01

Tgt Ion:168 Resp: 235094

Ion	Ratio	Lower	Upper
168	100		
99	66.3	48.8	73.2

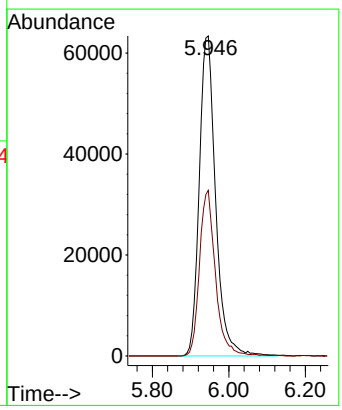


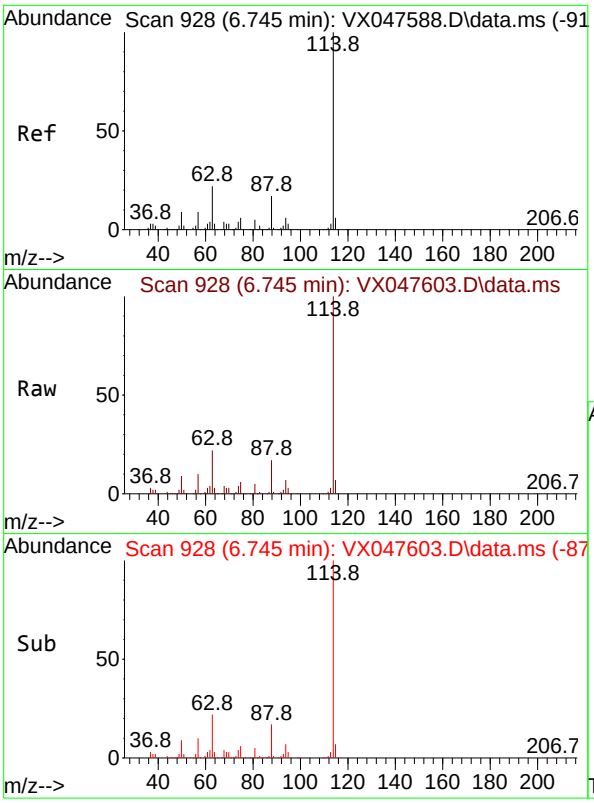


#33
1,2-Dichloroethane-d4
Concen: 50.225 ug/l
RT: 5.946 min Scan# 797
Delta R.T. 0.006 min
Lab File: VX047603.D
Acq: 17 Sep 2025 09:41

Tgt Ion: 65 Resp: 187947

Ion	Ratio	Lower	Upper
65	100		
67	50.3	0.0	103.0



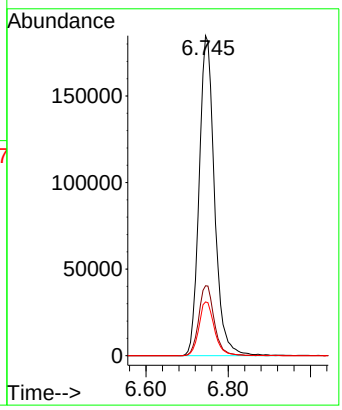


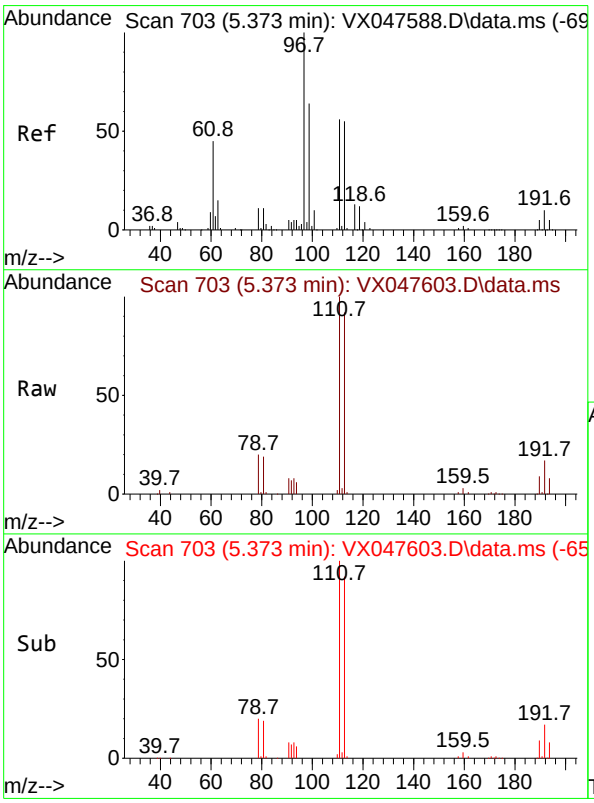
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX047603.D
Acq: 17 Sep 2025 09:41

Instrument :
MSVOA_X
ClientSampleId :
VX0917WBL01

Tgt Ion:114 Resp: 478397

Ion	Ratio	Lower	Upper
114	100		
63	21.8	0.0	44.0
88	16.8	0.0	34.2

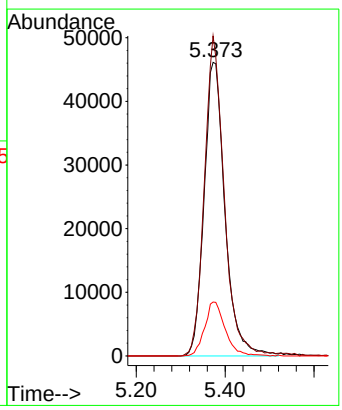


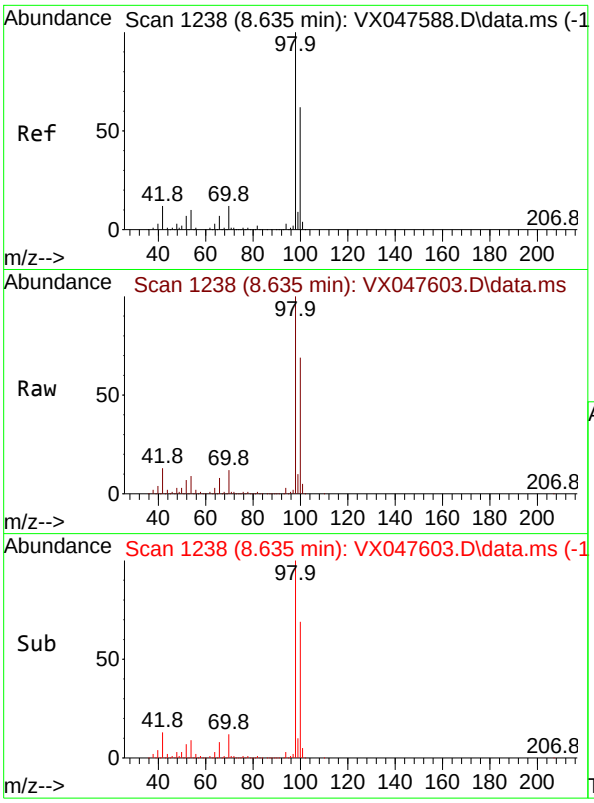


#35
Dibromofluoromethane
Concen: 46.985 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX047603.D
Acq: 17 Sep 2025 09:41

Tgt Ion:113 Resp: 150745

Ion	Ratio	Lower	Upper
113	100		
111	103.5	80.9	121.3
192	18.2	14.2	21.4



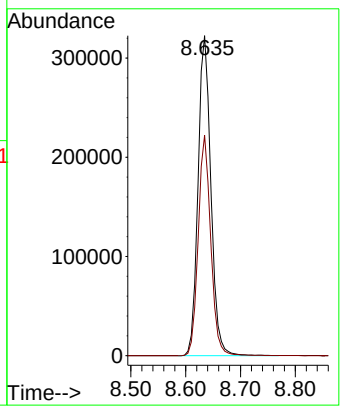


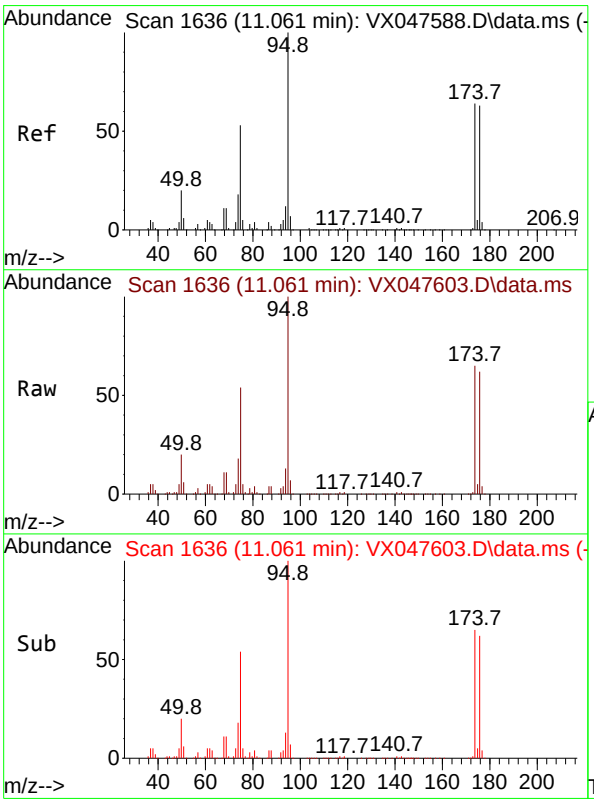
#50
Toluene-d8
Concen: 47.436 ug/l
RT: 8.635 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047603.D
Acq: 17 Sep 2025 09:41

Instrument :
MSVOA_X
ClientSampleId :
VX0917WBL01

Tgt Ion: 98 Resp: 526623

Ion	Ratio	Lower	Upper
98	100		
100	67.1	53.0	79.4

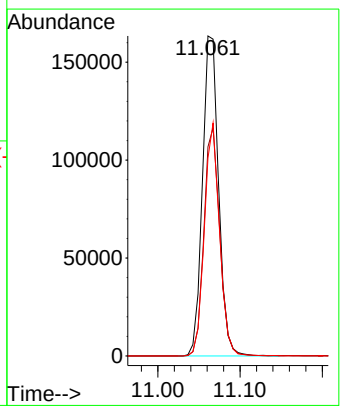


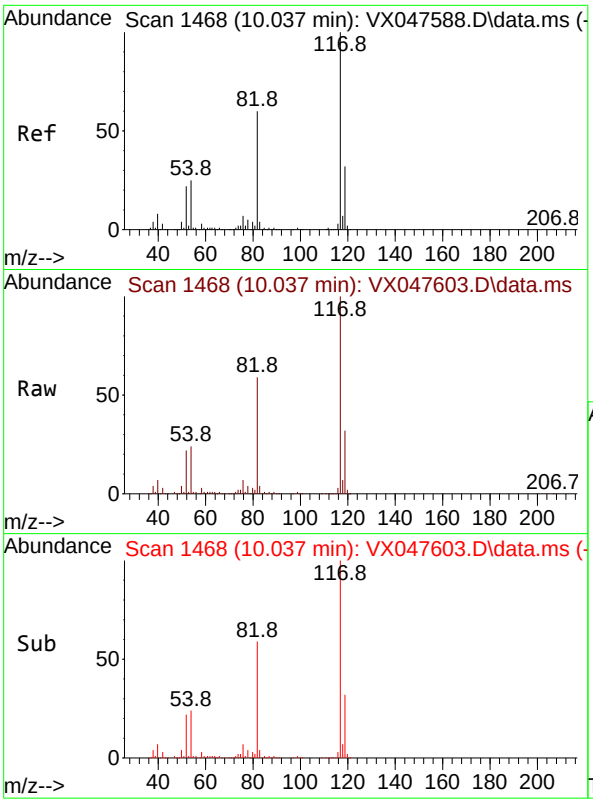


#62
4-Bromofluorobenzene
Concen: 52.854 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX047603.D
Acq: 17 Sep 2025 09:41

Tgt Ion: 95 Resp: 222687

Ion	Ratio	Lower	Upper
95	100		
174	69.8	0.0	141.6
176	68.4	0.0	138.4



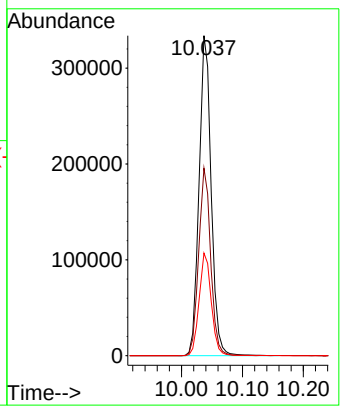


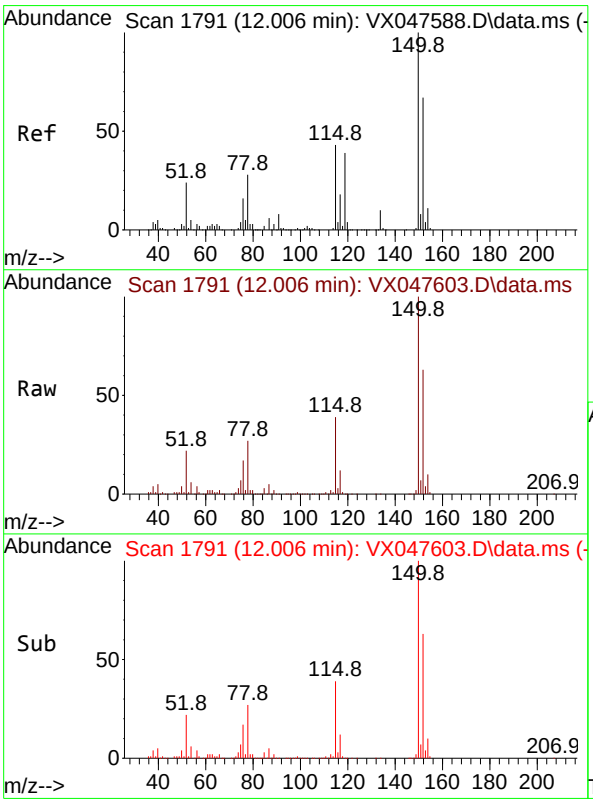
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047603.D
Acq: 17 Sep 2025 09:41

Instrument :
MSVOA_X
ClientSampleId :
VX0917WBL01

Tgt Ion:117 Resp: 460978

Ion	Ratio	Lower	Upper
117	100		
82	58.6	47.8	71.6
119	32.1	25.2	37.8

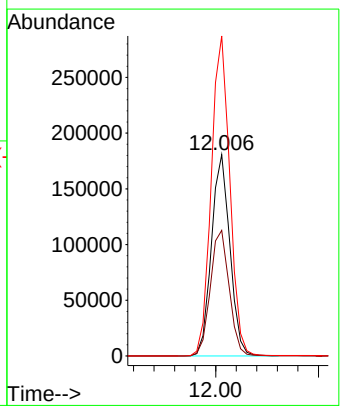




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047603.D
Acq: 17 Sep 2025 09:41

Tgt Ion:152 Resp: 224854

Ion	Ratio	Lower	Upper
152	100		
115	63.7	44.9	134.5
150	159.6	0.0	352.0



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:	VX0918WBL01	SDG No.:	Q3095
Lab Sample ID:	VX0918WBL01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047633.D	1	09/18/25 12:19	VX091825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	0.50	U	0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.23	0.75	1.00	ug/L
67-64-1	Acetone	3.80	U	1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.22	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.16	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.68	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.14	0.50	1.00	ug/L

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	
Client Sample ID:	VX0918WBL01	SDG No.:	Q3095
Lab Sample ID:	VX0918WBL01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047633.D	1	09/18/25 12:19	VX091825

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	49.1		80 - 119		98%	SPK: 50
2037-26-5	Toluene-d8	49.8		89 - 112		100%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.1		85 - 114		106%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	195000	5.538				
540-36-3	1,4-Difluorobenzene	356000	6.745				
3114-55-4	Chlorobenzene-d5	333000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	168000	12.006				

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:	VX0918WBL01	SDG No.:	Q3095
Lab Sample ID:	VX0918WBL01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047633.D	1	09/18/25 12:19	VX091825

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\VX091825\
Data File : VX047633.D
Acq On : 18 Sep 2025 12:19
Operator : JC/MD
Sample : VX0918WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBL01

Quant Time: Sep 19 01:28:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

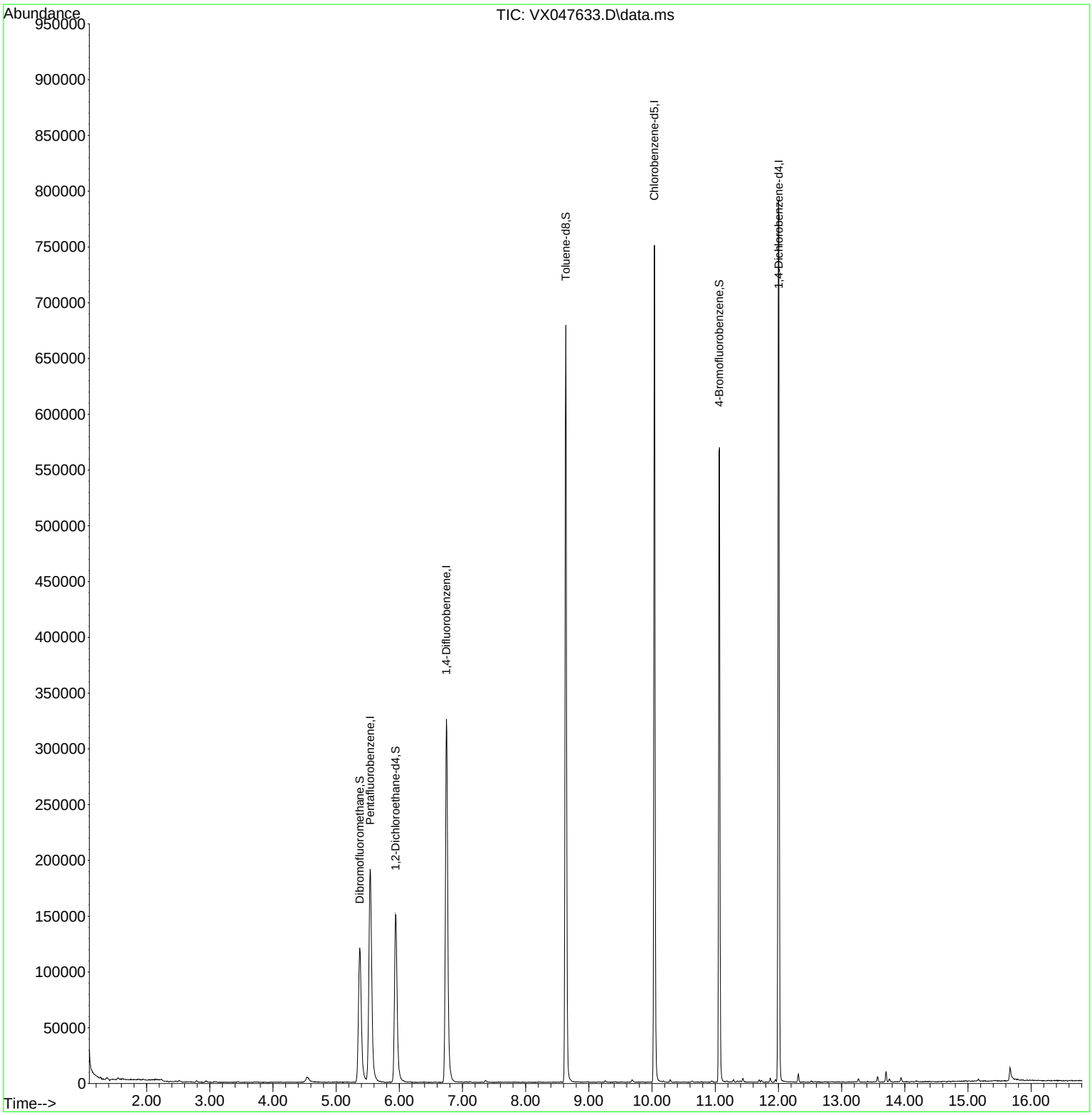
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.538	168	194980	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	356255	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	333457	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	168174	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	164008	52.845	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 105.680%			
35) Dibromofluoromethane	5.373	113	117304	49.097	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.200%			
50) Toluene-d8	8.635	98	411503	49.775	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 99.560%			
62) 4-Bromofluorobenzene	11.061	95	166630	53.108	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 106.220%			
Target Compounds						Qvalue

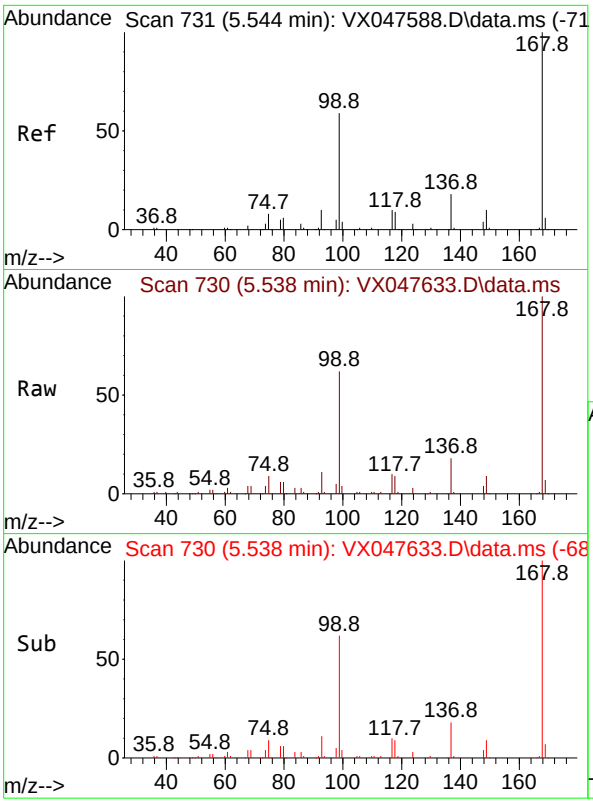
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091825\
Data File : VX047633.D
Acq On : 18 Sep 2025 12:19
Operator : JC/MD
Sample : VX0918WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBL01

Quant Time: Sep 19 01:28:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



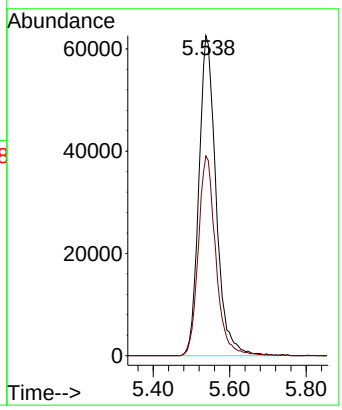


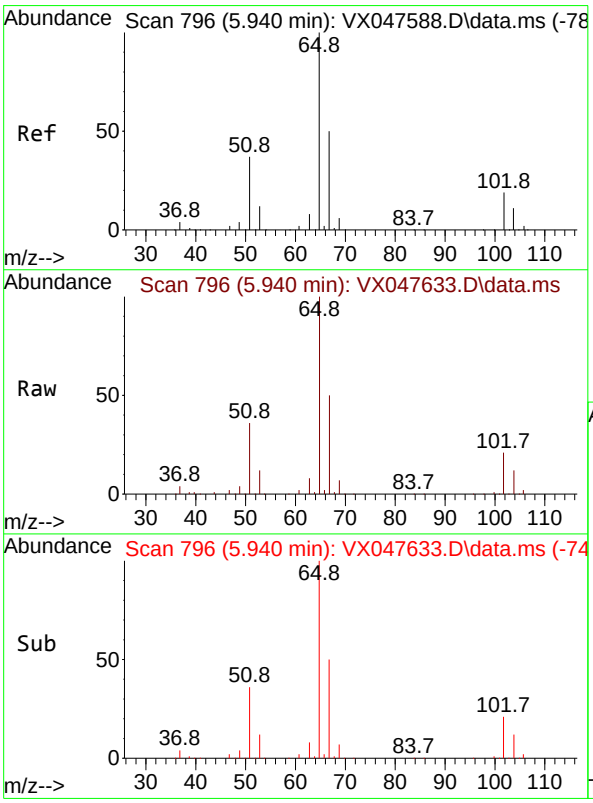
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047633.D
Acq: 18 Sep 2025 12:19

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBL01

Tgt Ion:168 Resp: 194980

Ion	Ratio	Lower	Upper
168	100		
99	62.4	48.8	73.2

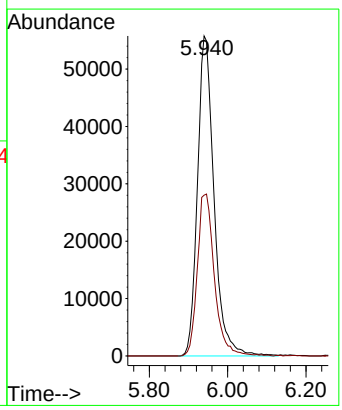


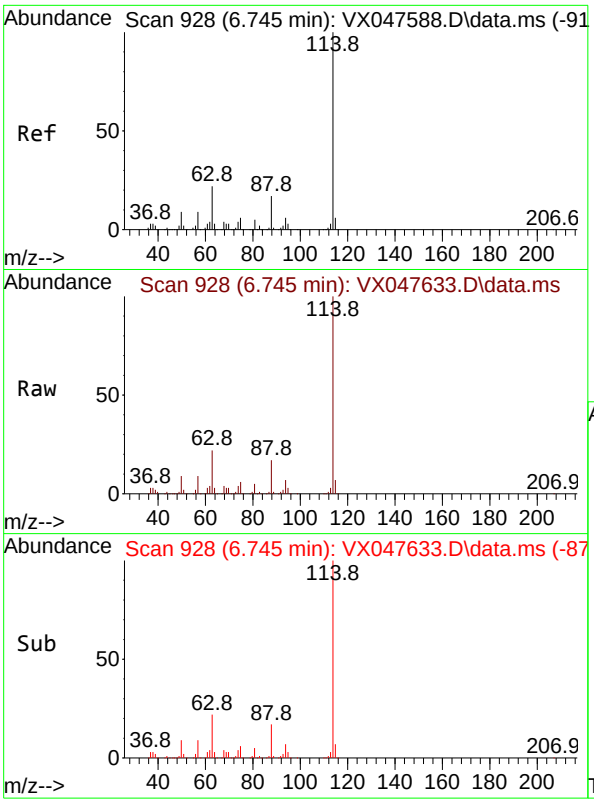


#33
1,2-Dichloroethane-d4
Concen: 52.845 ug/l
RT: 5.940 min Scan# 796
Delta R.T. -0.000 min
Lab File: VX047633.D
Acq: 18 Sep 2025 12:19

Tgt Ion: 65 Resp: 164008

Ion	Ratio	Lower	Upper
65	100		
67	52.2	0.0	103.0



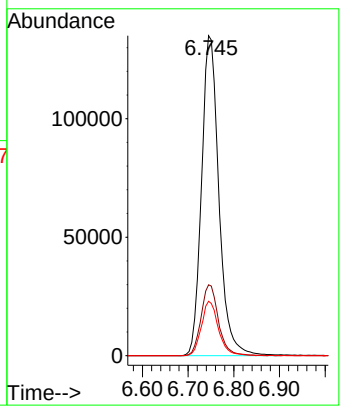


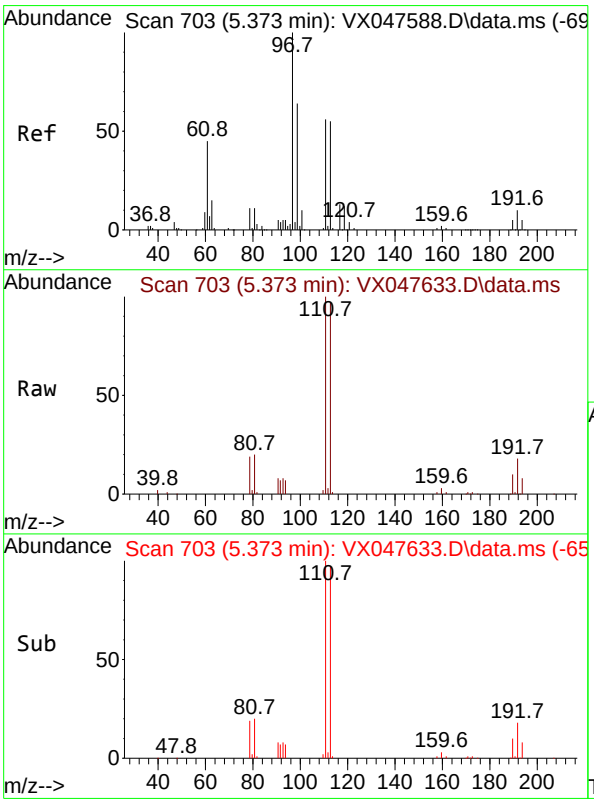
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX047633.D
Acq: 18 Sep 2025 12:19

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBL01

Tgt Ion:114 Resp: 356255

Ion	Ratio	Lower	Upper
114	100		
63	22.2	0.0	44.0
88	17.0	0.0	34.2

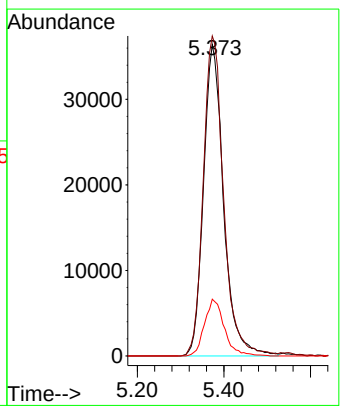


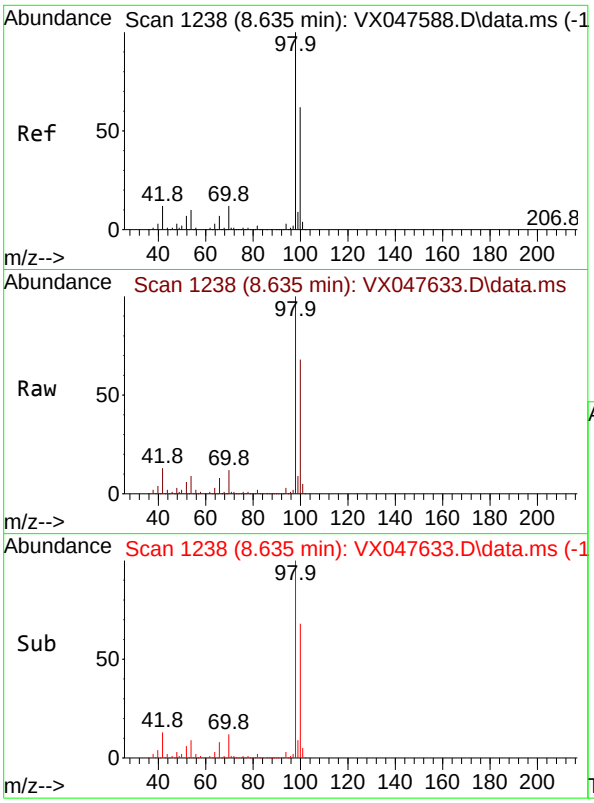


#35
Dibromofluoromethane
Concen: 49.097 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX047633.D
Acq: 18 Sep 2025 12:19

Tgt Ion:113 Resp: 117304

Ion	Ratio	Lower	Upper
113	100		
111	104.1	80.9	121.3
192	18.1	14.2	21.4



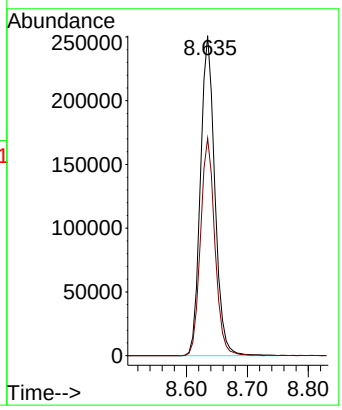


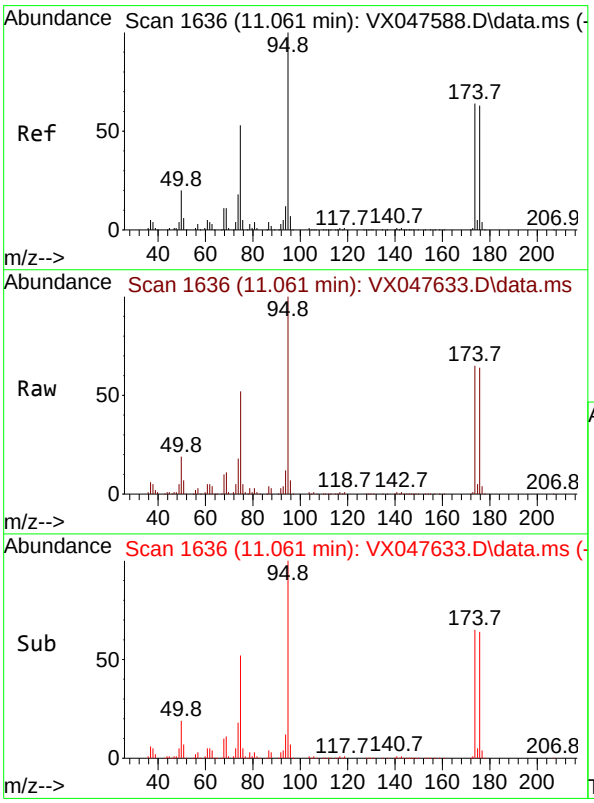
#50
Toluene-d8
Concen: 49.775 ug/l
RT: 8.635 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047633.D
Acq: 18 Sep 2025 12:19

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBL01

Tgt Ion: 98 Resp: 411503

Ion	Ratio	Lower	Upper
98	100		
100	67.8	53.0	79.4

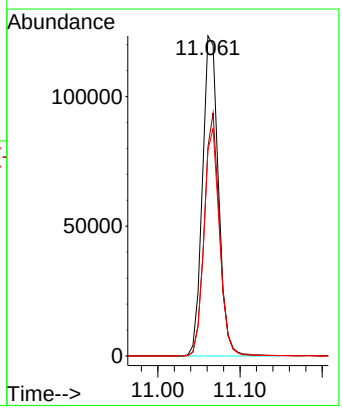


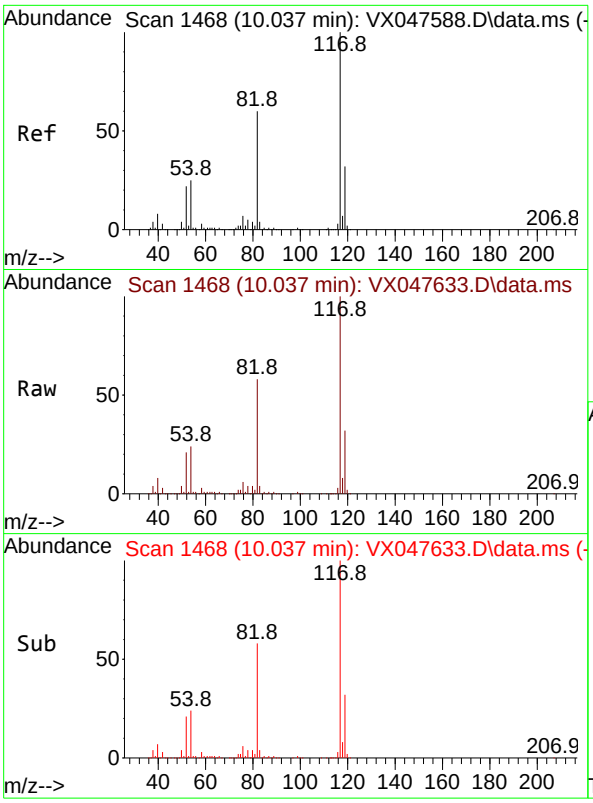


#62
4-Bromofluorobenzene
Concen: 53.108 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX047633.D
Acq: 18 Sep 2025 12:19

Tgt Ion: 95 Resp: 166630

Ion	Ratio	Lower	Upper
95	100		
174	72.1	0.0	141.6
176	69.0	0.0	138.4



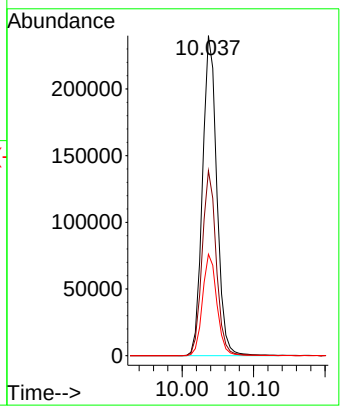


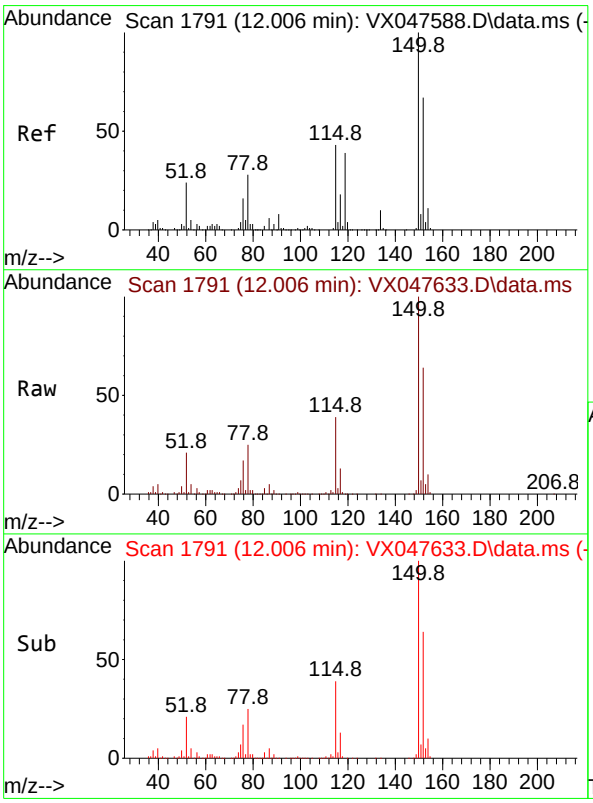
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047633.D
Acq: 18 Sep 2025 12:19

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBL01

Tgt Ion:117 Resp: 333457

Ion	Ratio	Lower	Upper
117	100		
82	57.8	47.8	71.6
119	31.7	25.2	37.8

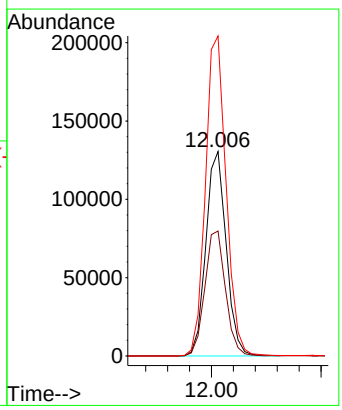




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047633.D
Acq: 18 Sep 2025 12:19

Tgt Ion:152 Resp: 168174

Ion	Ratio	Lower	Upper
152	100		
115	62.2	44.9	134.5
150	159.0	0.0	352.0



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:	VX0919WBL01	SDG No.:	Q3095
Lab Sample ID:	VX0919WBL01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047662.D	1	09/19/25 10:11	VX091925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	0.50	U	0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.23	0.75	1.00	ug/L
67-64-1	Acetone	3.80	U	1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.22	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.16	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.68	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.14	0.50	1.00	ug/L

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	
Client Sample ID:	VX0919WBL01	SDG No.:	Q3095
Lab Sample ID:	VX0919WBL01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047662.D	1	09/19/25 10:11	VX091925

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	52.5		80 - 119		105%	SPK: 50
2037-26-5	Toluene-d8	52.3		89 - 112		105%	SPK: 50
460-00-4	4-Bromofluorobenzene	56.3		85 - 114		113%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	194000	5.537				
540-36-3	1,4-Difluorobenzene	364000	6.745				
3114-55-4	Chlorobenzene-d5	339000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	175000	12.006				

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:	VX0919WBL01	SDG No.:	Q3095
Lab Sample ID:	VX0919WBL01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047662.D	1	09/19/25 10:11	VX091925

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\VX091925\
Data File : VX047662.D
Acq On : 19 Sep 2025 10:11
Operator : JC/MD
Sample : VX0919WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0919WBL01

Quant Time: Sep 20 00:26:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

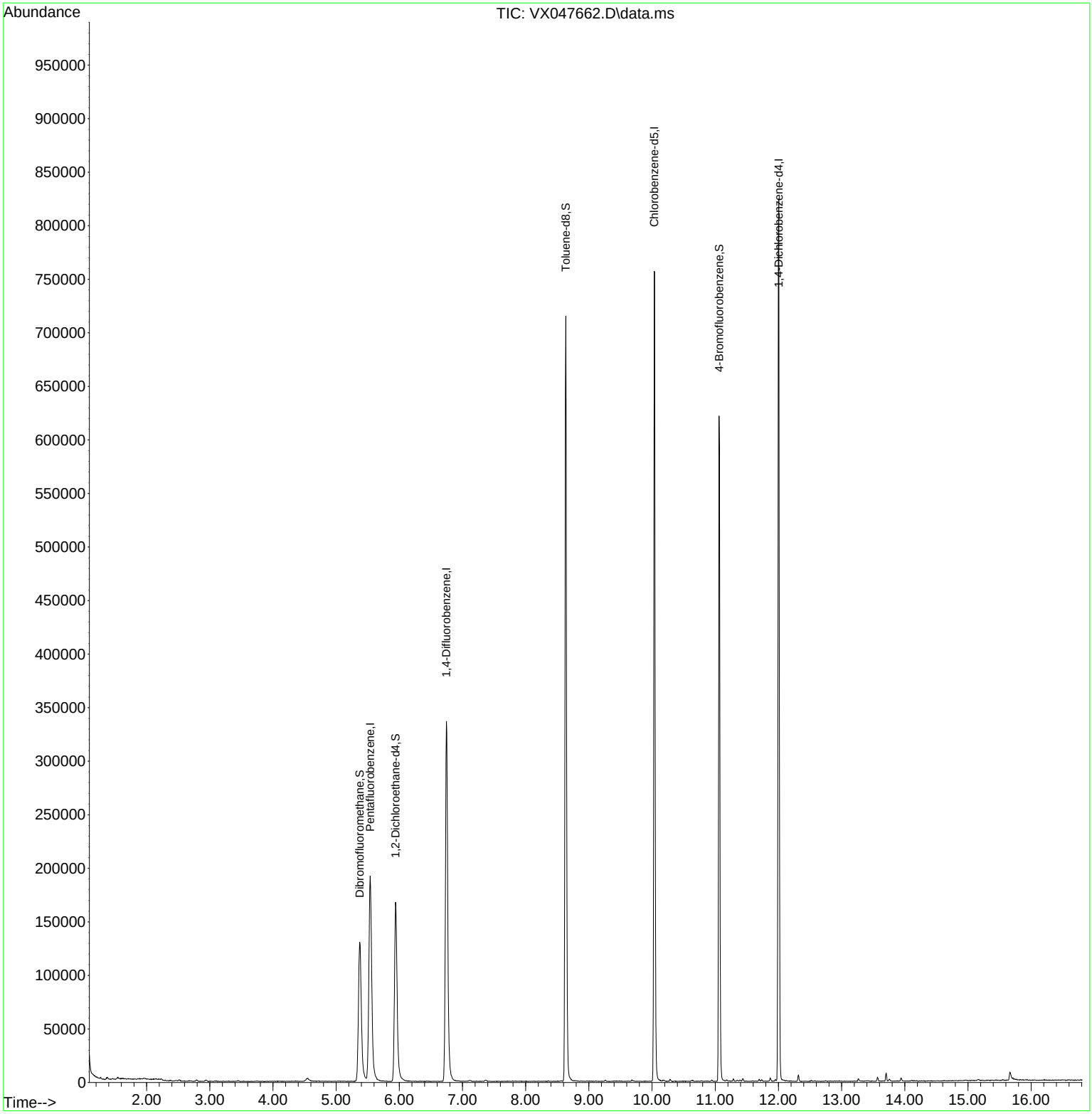
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.537	168	194256	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	363806	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	339161	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	175228	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	178788	57.822	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 115.640%			
35) Dibromofluoromethane	5.373	113	128166	52.530	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.060%			
50) Toluene-d8	8.634	98	441682	52.317	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 104.640%			
62) 4-Bromofluorobenzene	11.061	95	180450	56.319	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 112.640%			
Target Compounds						Qvalue

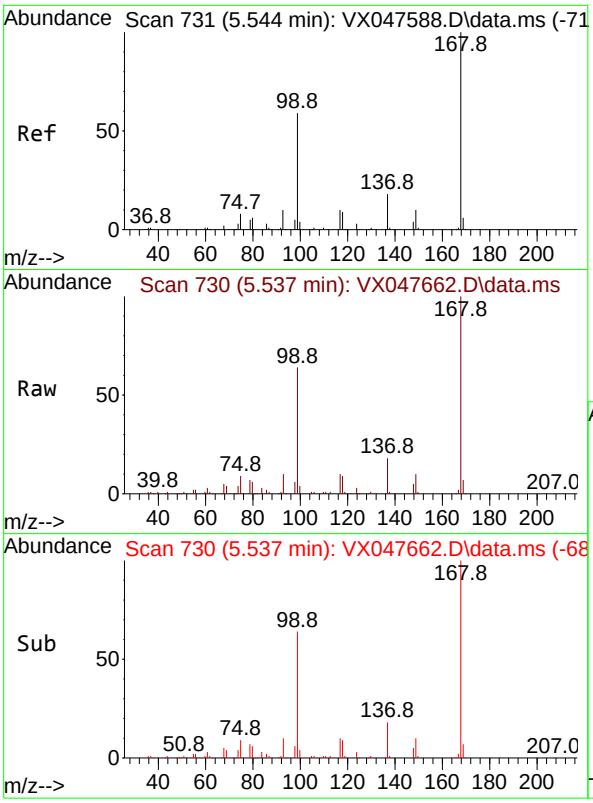
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091925\
Data File : VX047662.D
Acq On : 19 Sep 2025 10:11
Operator : JC/MD
Sample : VX0919WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0919WBL01

Quant Time: Sep 20 00:26:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



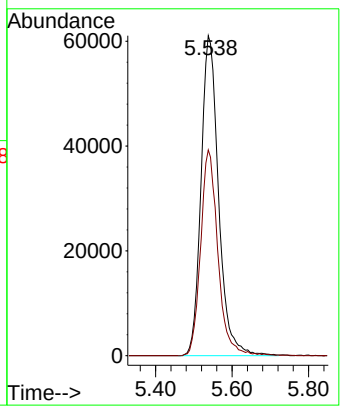


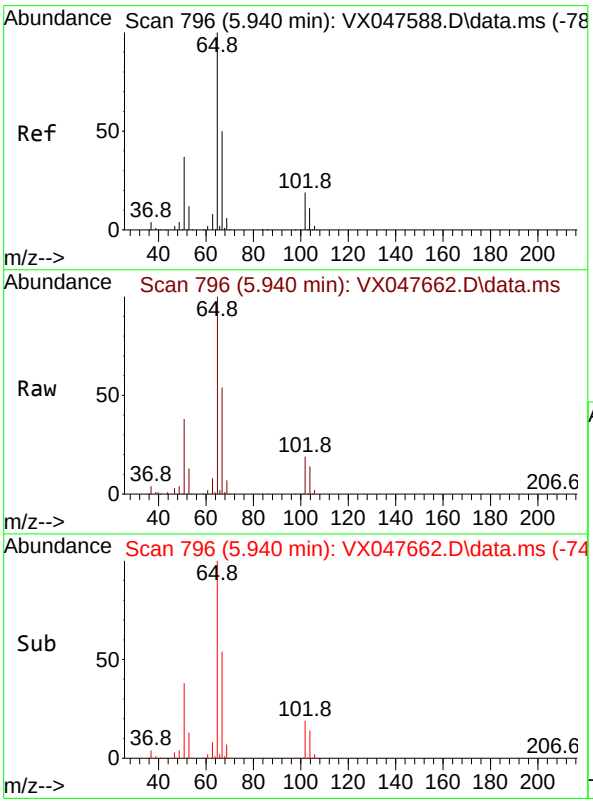
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.537 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047662.D
Acq: 19 Sep 2025 10:11

Instrument :
MSVOA_X
ClientSampleId :
VX0919WBL01

Tgt Ion:168 Resp: 194256

Ion	Ratio	Lower	Upper
168	100		
99	64.3	48.8	73.2

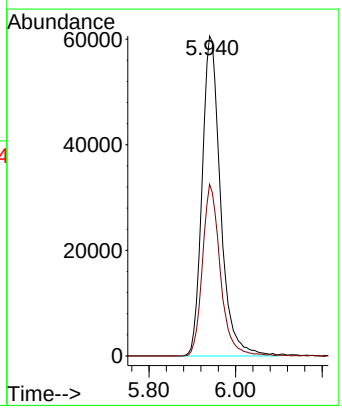


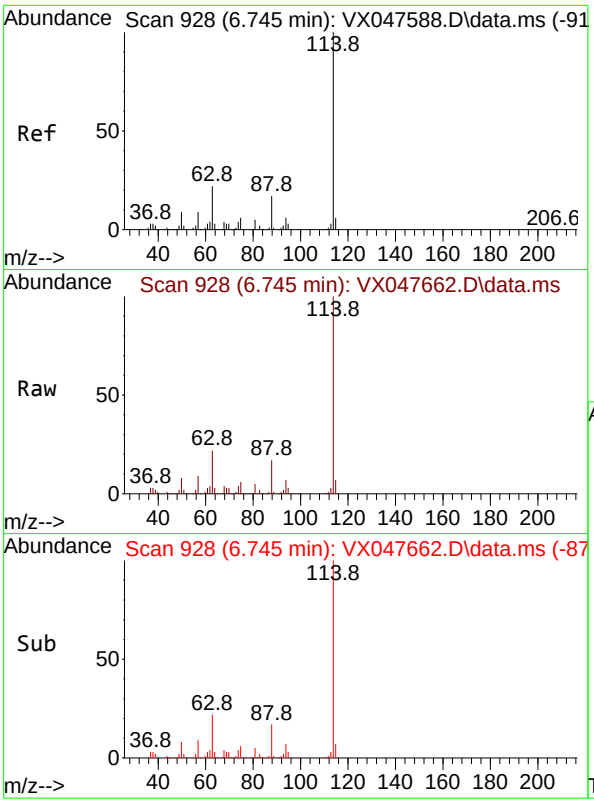


#33
1,2-Dichloroethane-d4
Concen: 57.822 ug/l
RT: 5.940 min Scan# 796
Delta R.T. -0.000 min
Lab File: VX047662.D
Acq: 19 Sep 2025 10:11

Tgt Ion: 65 Resp: 178788

Ion	Ratio	Lower	Upper
65	100		
67	52.0	0.0	103.0



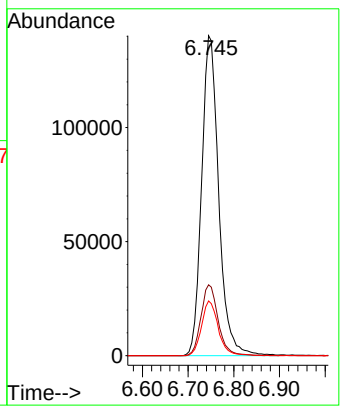


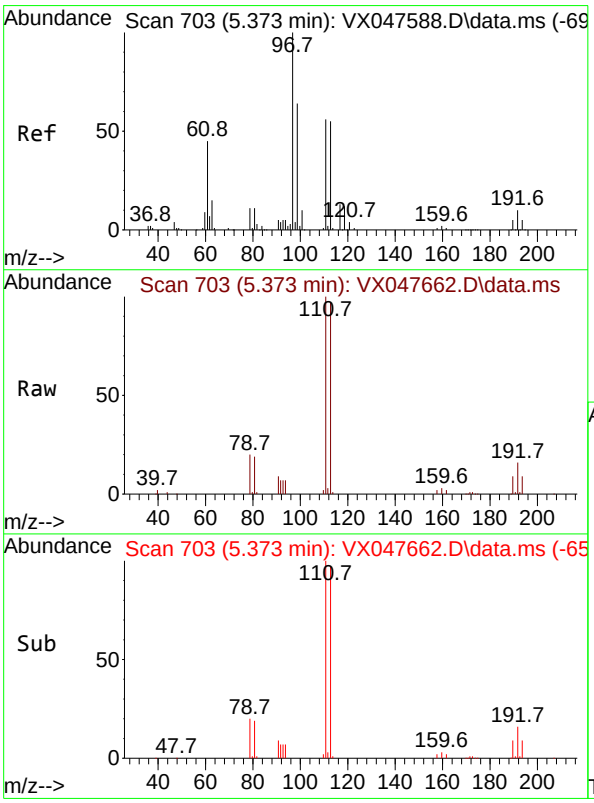
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX047662.D
Acq: 19 Sep 2025 10:11

Instrument :
MSVOA_X
ClientSampleId :
VX0919WBL01

Tgt Ion:114 Resp: 363806

Ion	Ratio	Lower	Upper
114	100		
63	22.2	0.0	44.0
88	17.1	0.0	34.2

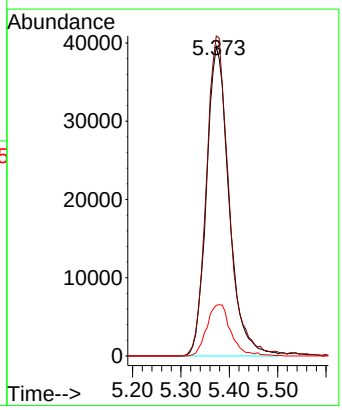


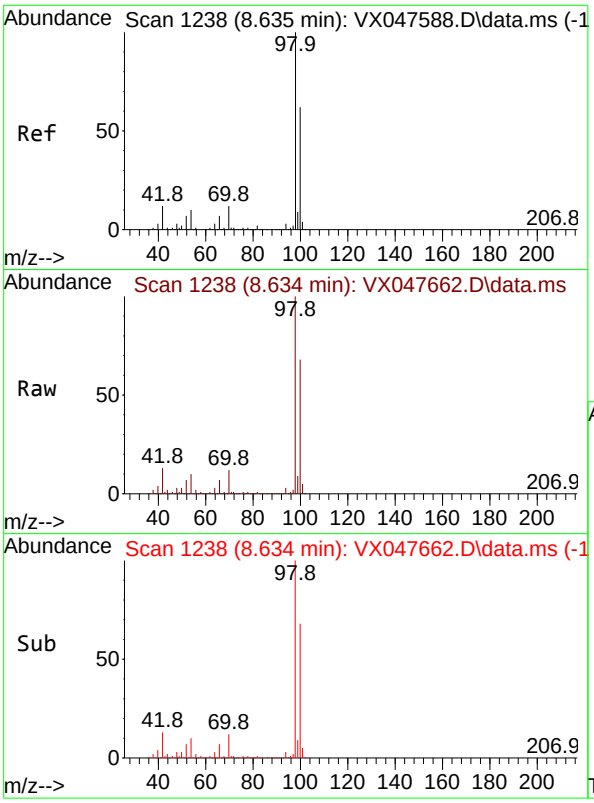


#35
Dibromofluoromethane
Concen: 52.530 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX047662.D
Acq: 19 Sep 2025 10:11

Tgt Ion:113 Resp: 128166

Ion	Ratio	Lower	Upper
113	100		
111	103.8	80.9	121.3
192	17.7	14.2	21.4



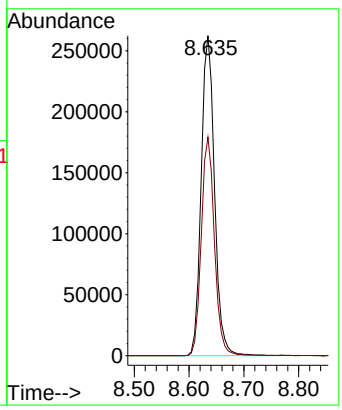


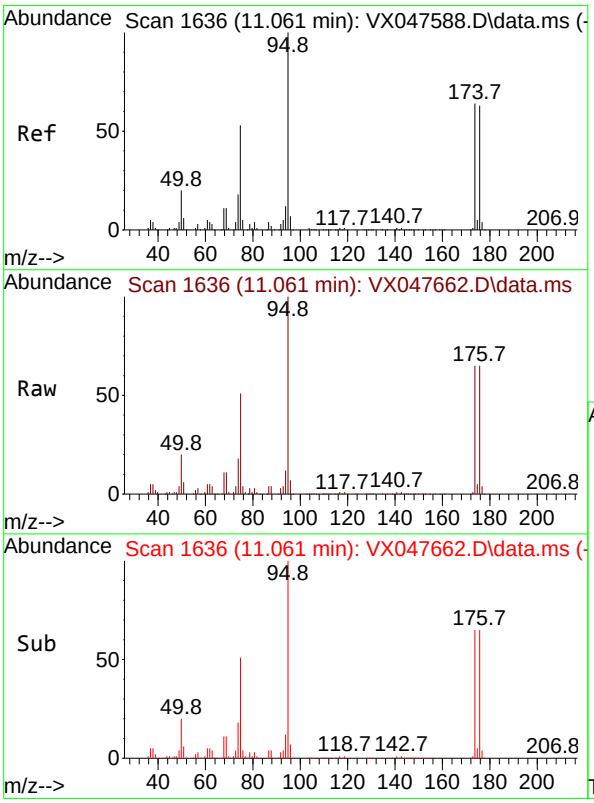
#50
Toluene-d8
Concen: 52.317 ug/l
RT: 8.634 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047662.D
Acq: 19 Sep 2025 10:11

Instrument :
MSVOA_X
ClientSampleId :
VX0919WBL01

Tgt Ion: 98 Resp: 441682

Ion	Ratio	Lower	Upper
98	100		
100	67.5	53.0	79.4

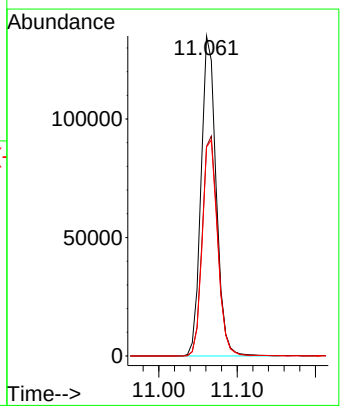


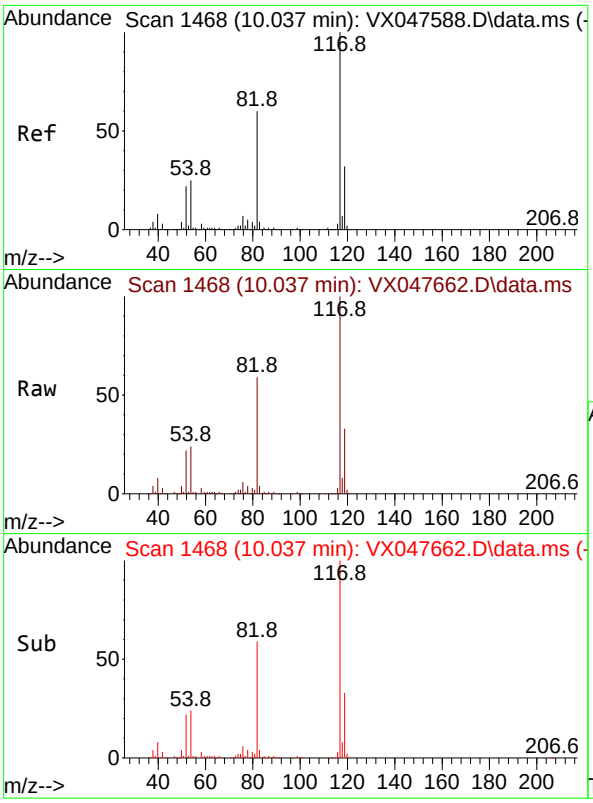


#62
4-Bromofluorobenzene
Concen: 56.319 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX047662.D
Acq: 19 Sep 2025 10:11

Tgt Ion: 95 Resp: 180450

Ion	Ratio	Lower	Upper
95	100		
174	70.5	0.0	141.6
176	68.5	0.0	138.4



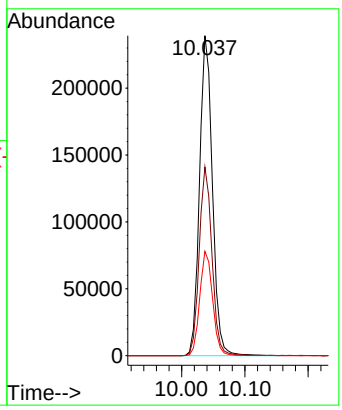


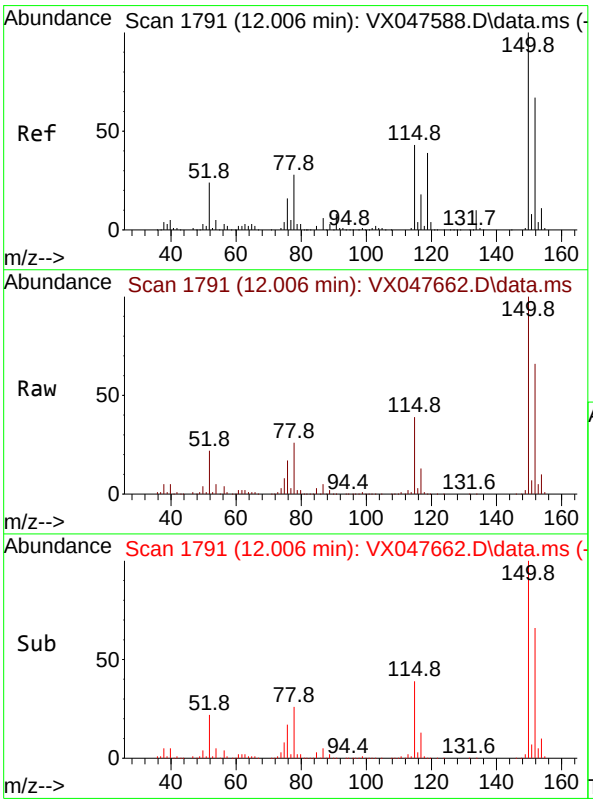
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047662.D
Acq: 19 Sep 2025 10:11

Instrument :
MSVOA_X
ClientSampleId :
VX0919WBL01

Tgt Ion:117 Resp: 339161

Ion	Ratio	Lower	Upper
117	100		
82	59.0	47.8	71.6
119	32.6	25.2	37.8

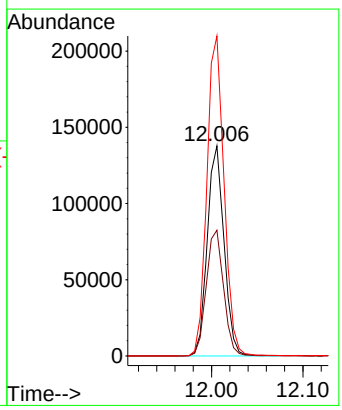




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047662.D
Acq: 19 Sep 2025 10:11

Tgt Ion:152 Resp: 175228

Ion	Ratio	Lower	Upper
152	100		
115	61.9	44.9	134.5
150	155.9	0.0	352.0



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:	VX0917WBS01	SDG No.:	Q3095
Lab Sample ID:	VX0917WBS01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047604.D	1	09/17/25 10:09	VX091725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	15.9		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	16.9		0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	18.1		1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	17.2		0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	17.1		0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	17.6		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	17.1		0.23	0.75	1.00	ug/L
67-64-1	Acetone	73.8		1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	16.0		0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	17.5		0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	19.2		0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	16.9		0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	17.0		0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	17.6		0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	17.4		1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	84.0		0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	17.0		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	17.6		0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	21.6		0.22	0.50	1.00	ug/L
67-66-3	Chloroform	18.0		0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	17.9		0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	17.2		0.16	0.50	1.00	ug/L
71-43-2	Benzene	17.3		0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	17.5		0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	17.3		0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	17.5		0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	17.5		0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	88.0		0.68	2.50	5.00	ug/L
108-88-3	Toluene	17.5		0.14	0.50	1.00	ug/L

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	
Client Sample ID:	VX0917WBS01	SDG No.:	Q3095
Lab Sample ID:	VX0917WBS01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047604.D	1	09/17/25 10:09	VX091725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	17.3		0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	17.7		0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	17.4		0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	85.8		0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	17.4		0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	17.7		0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	17.1		0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	17.5		0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	17.7		0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	35.8		0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	18.0		0.12	0.50	1.00	ug/L
100-42-5	Styrene	17.9		0.15	0.50	1.00	ug/L
75-25-2	Bromoform	17.6		0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	17.7		0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	17.5		0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	17.7		0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	17.4		0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	17.7		0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	16.1		0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	17.4		0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	17.5		0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	50.5		81 - 118		101%	SPK: 50
1868-53-7	Dibromofluoromethane	50.9		80 - 119		102%	SPK: 50
2037-26-5	Toluene-d8	51.5		89 - 112		103%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.4		85 - 114		103%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	196000	5.538				
540-36-3	1,4-Difluorobenzene	351000	6.739				
3114-55-4	Chlorobenzene-d5	311000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	152000	12.006				

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:	VX0917WBS01	SDG No.:	Q3095
Lab Sample ID:	VX0917WBS01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047604.D	1	09/17/25 10:09	VX091725

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\VX091725\
Data File : VX047604.D
Acq On : 17 Sep 2025 10:09
Operator : JC/MD
Sample : VX0917WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 18 01:59:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0917WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.538	168	195658	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.739	114	351376	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	311445	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	151595	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.934	65	157383	50.534	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 101.060%			
35) Dibromofluoromethane	5.367	113	119877	50.870	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.740%			
50) Toluene-d8	8.628	98	419954	51.503	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 103.000%			
62) 4-Bromofluorobenzene	11.061	95	158932	51.358	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 102.720%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.173	85	32239	15.912	ug/l	97
3) Chloromethane	1.301	50	42550	15.979	ug/l	96
4) Vinyl Chloride	1.380	62	44079	16.911	ug/l	98
5) Bromomethane	1.618	94	29960	18.126	ug/l	99
6) Chloroethane	1.697	64	29979	17.208	ug/l	98
7) Trichlorofluoromethane	1.898	101	66259	17.120	ug/l	99
8) Diethyl Ether	2.136	74	27866	17.601	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.331	101	39906	17.634	ug/l	98
10) Methyl Iodide	2.453	142	54828	15.534	ug/l	98
11) Tert butyl alcohol	2.934	59	28628	82.535	ug/l	99
12) 1,1-Dichloroethene	2.325	96	39679	17.069	ug/l	94
13) Acrolein	2.233	56	33545	104.947	ug/l	99
14) Allyl chloride	2.666	41	80667	16.816	ug/l	99
15) Acrylonitrile	3.056	53	112971	87.930	ug/l	100
16) Acetone	2.373	43	99959	73.817	ug/l	99
17) Carbon Disulfide	2.514	76	101664	15.975	ug/l	98
18) Methyl Acetate	2.697	43	57770	19.170	ug/l	100
19) Methyl tert-butyl Ether	3.105	73	148899	17.547	ug/l	98
20) Methylene Chloride	2.788	84	48530	16.931	ug/l	95
21) trans-1,2-Dichloroethene	3.087	96	42497	16.980	ug/l	98
22) Diisopropyl ether	3.745	45	166210	17.879	ug/l	85
23) Vinyl Acetate	3.709	43	641507	86.219	ug/l	100
24) 1,1-Dichloroethane	3.605	63	87109	17.629	ug/l	98
25) 2-Butanone	4.538	43	141866	83.988	ug/l	99
26) 2,2-Dichloropropane	4.465	77	71454	17.396	ug/l	100
27) cis-1,2-Dichloroethene	4.477	96	53833	17.564	ug/l	99
28) Bromochloromethane	4.885	49	46513	21.562	ug/l	100
29) Tetrahydrofuran	4.989	42	86598	85.223	ug/l	99
30) Chloroform	5.080	83	90053	18.035	ug/l	95
31) Cyclohexane	5.458	56	71454	17.363	ug/l	97
32) 1,1,1-Trichloroethane	5.367	97	75940	17.930	ug/l	99
36) 1,1-Dichloropropene	5.684	75	57894	16.813	ug/l	97
37) Ethyl Acetate	4.696	43	60533	16.418	ug/l	98
38) Carbon Tetrachloride	5.660	117	63765	17.043	ug/l	98
39) Methylcyclohexane	7.367	83	67230	17.200	ug/l	97
40) Benzene	6.019	78	181057	17.312	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091725\
Data File : VX047604.D
Acq On : 17 Sep 2025 10:09
Operator : JC/MD
Sample : VX0917WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 18 01:59:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0917WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.897	41	33000	17.337	ug/l		99
42) 1,2-Dichloroethane	6.068	62	69587	17.487	ug/l		98
43) Isopropyl Acetate	6.318	43	105168	17.392	ug/l		100
44) Trichloroethene	7.110	130	43841	17.339	ug/l		90
45) 1,2-Dichloropropane	7.409	63	46912	17.517	ug/l		99
46) Dibromomethane	7.562	93	34149	17.523	ug/l		99
47) Bromodichloromethane	7.805	83	70468	17.523	ug/l		99
48) Methyl methacrylate	7.677	41	51615	17.137	ug/l		99
49) 1,4-Dioxane	7.647	88	10148	333.385	ug/l	#	91
51) 4-Methyl-2-Pentanone	8.555	43	294879	87.955	ug/l		100
52) Toluene	8.702	92	113060	17.546	ug/l		99
53) t-1,3-Dichloropropene	8.964	75	71016	17.313	ug/l		99
54) cis-1,3-Dichloropropene	8.348	75	77501	17.677	ug/l		99
55) 1,1,2-Trichloroethane	9.134	97	43269	17.415	ug/l		99
56) Ethyl methacrylate	9.098	69	68509	17.558	ug/l		98
57) 1,3-Dichloropropane	9.293	76	76049	17.818	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.226	63	149215	87.394	ug/l		99
59) 2-Hexanone	9.415	43	206700	85.844	ug/l		99
60) Dibromochloromethane	9.506	129	49688	17.356	ug/l		94
61) 1,2-Dibromoethane	9.592	107	44915	17.748	ug/l		98
64) Tetrachloroethene	9.256	164	34798	17.139	ug/l		94
65) Chlorobenzene	10.061	112	124126	17.543	ug/l		97
66) 1,1,1,2-Tetrachloroethane	10.147	131	43641	17.874	ug/l		99
67) Ethyl Benzene	10.177	91	215918	17.686	ug/l		99
68) m/p-Xylenes	10.287	106	162720	35.810	ug/l		100
69) o-Xylene	10.622	106	79115	18.001	ug/l		98
70) Styrene	10.640	104	137562	17.863	ug/l		99
71) Bromoform	10.781	173	31997	17.551	ug/l	#	99
73) Isopropylbenzene	10.945	105	204217	17.719	ug/l		100
74) N-amyl acetate	10.829	43	90344	17.190	ug/l		100
75) 1,1,2,2-Tetrachloroethane	11.195	83	60939	17.476	ug/l		100
76) 1,2,3-Trichloropropane	11.219	75	47337m	15.423	ug/l		
77) Bromobenzene	11.183	156	49084	17.292	ug/l		99
78) n-propylbenzene	11.287	91	244439	17.941	ug/l		99
79) 2-Chlorotoluene	11.348	91	147920	17.727	ug/l		100
80) 1,3,5-Trimethylbenzene	11.433	105	166236	17.556	ug/l		98
81) trans-1,4-Dichloro-2-b...	11.000	75	18928	15.726	ug/l		96
82) 4-Chlorotoluene	11.439	91	174598	17.716	ug/l		100
83) tert-Butylbenzene	11.695	119	170426	17.582	ug/l		99
84) 1,2,4-Trimethylbenzene	11.732	105	170162	17.725	ug/l		99
85) sec-Butylbenzene	11.872	105	205317	17.833	ug/l		99
86) p-Isopropyltoluene	11.994	119	173347	17.784	ug/l		99
87) 1,3-Dichlorobenzene	11.951	146	93375	17.710	ug/l		99
88) 1,4-Dichlorobenzene	12.024	146	94074	17.385	ug/l		99
89) n-Butylbenzene	12.317	91	162215	17.985	ug/l		98
90) Hexachloroethane	12.518	117	29907	17.476	ug/l		100
91) 1,2-Dichlorobenzene	12.317	146	89095	17.737	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	12.926	75	11373	16.110	ug/l		95
93) 1,2,4-Trichlorobenzene	13.567	180	56956	17.447	ug/l		99
94) Hexachlorobutadiene	13.707	225	19147	17.267	ug/l		98
95) Naphthalene	13.756	128	167962	16.896	ug/l		99
96) 1,2,3-Trichlorobenzene	13.938	180	53040	17.466	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091725\
Data File : VX047604.D
Acq On : 17 Sep 2025 10:09
Operator : JC/MD
Sample : VX0917WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 18 01:59:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0917WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

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

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

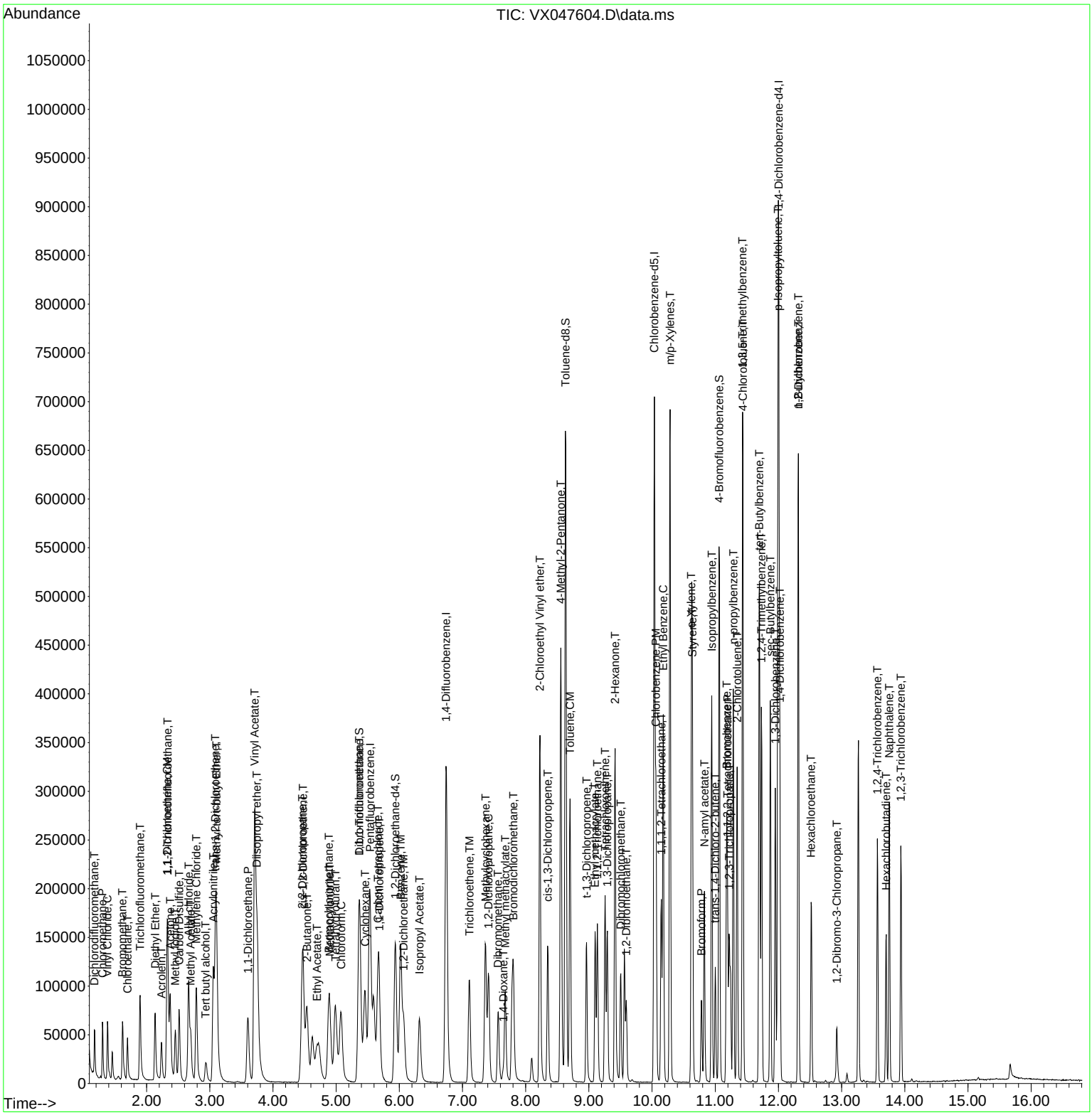
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091725\
Data File : VX047604.D
Acq On : 17 Sep 2025 10:09
Operator : JC/MD
Sample : VX0917WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

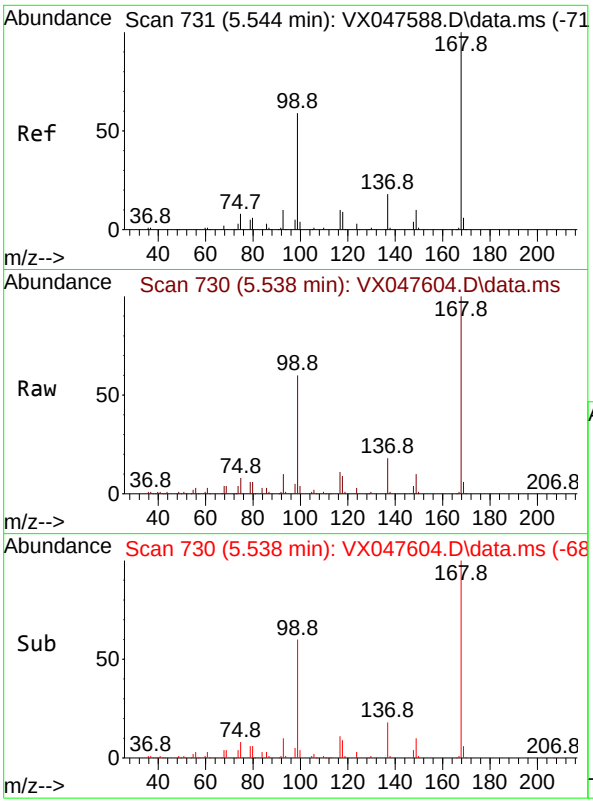
Quant Time: Sep 18 01:59:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0917WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

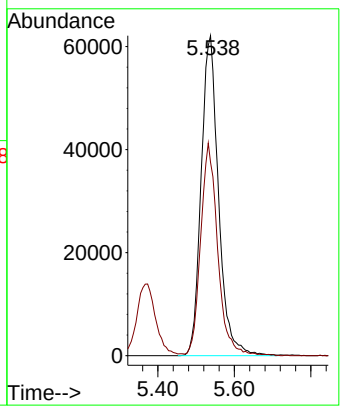




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047604.D
Acq: 17 Sep 2025 10:09

Tgt Ion:168 Resp: 19565

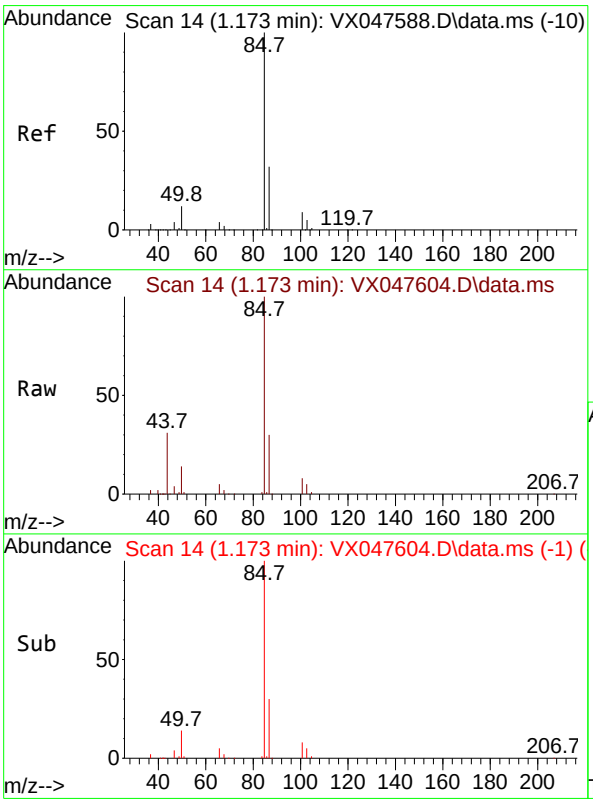
Ion	Ratio	Lower	Upper
168	100		
99	60.4	48.8	73.2



Instrument :
MSVOA_X
ClientSampleId :
VX0917WBS01

Manual Integrations
APPROVED

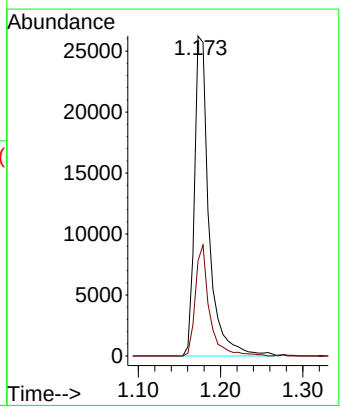
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

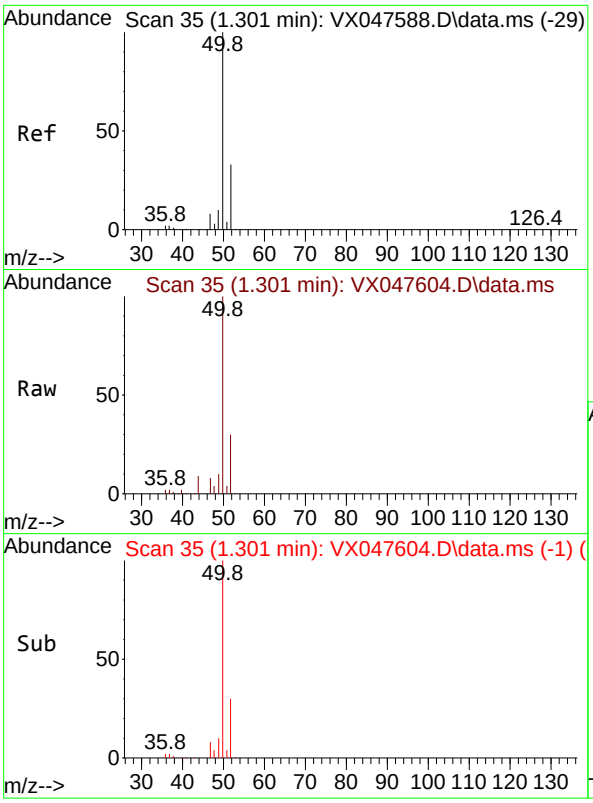


#2
Dichlorodifluoromethane
Concen: 15.912 ug/l
RT: 1.173 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047604.D
Acq: 17 Sep 2025 10:09

Tgt Ion: 85 Resp: 32239

Ion	Ratio	Lower	Upper
85	100		
87	29.8	15.8	47.3

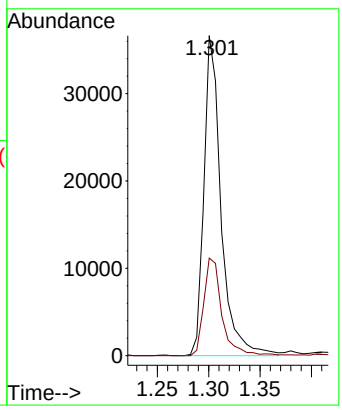




#3
Chloromethane
Concen: 15.979 ug/l
RT: 1.301 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047604.D
Acq: 17 Sep 2025 10:09

Tgt Ion: 50 Resp: 4255

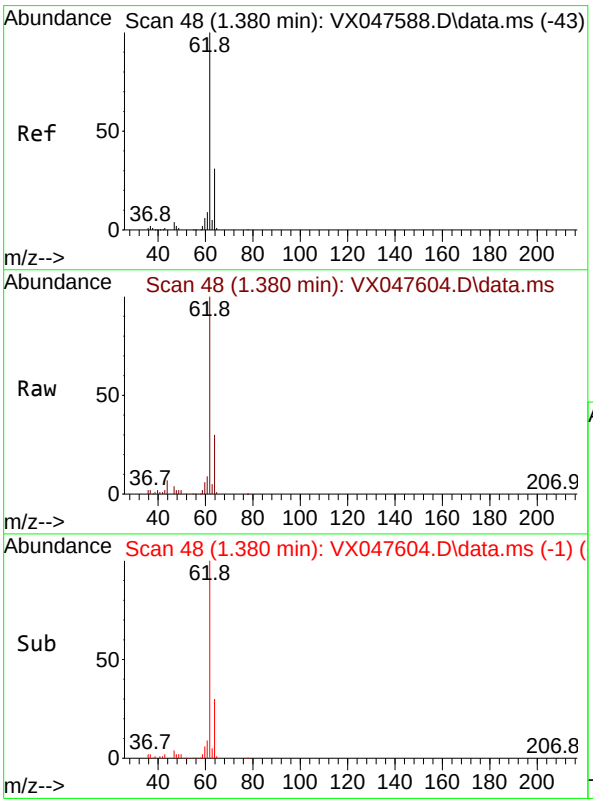
Ion	Ratio	Lower	Upper
50	100		
52	30.5	26.1	39.1



Instrument :
MSVOA_X
ClientSampleId :
VX0917WBS01

Manual Integrations
APPROVED

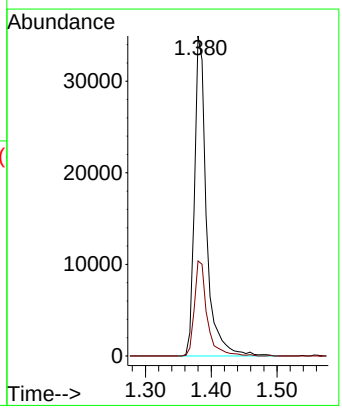
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

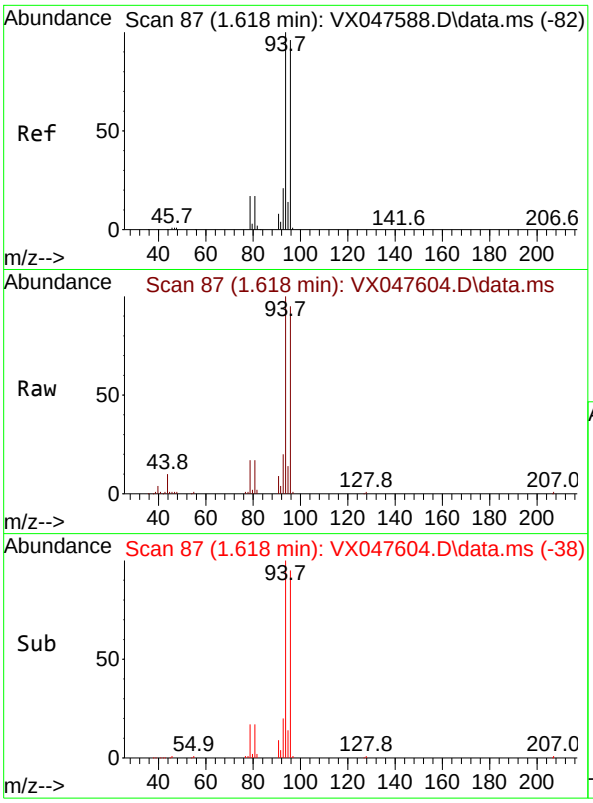


#4
Vinyl Chloride
Concen: 16.911 ug/l
RT: 1.380 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX047604.D
Acq: 17 Sep 2025 10:09

Tgt Ion: 62 Resp: 44079

Ion	Ratio	Lower	Upper
62	100		
64	29.7	24.9	37.3

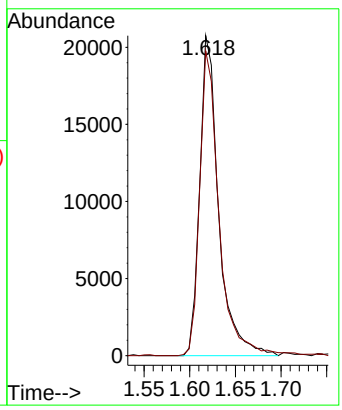




#5
Bromomethane
Concen: 18.126 ug/l
RT: 1.618 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX047604.D
Acq: 17 Sep 2025 10:09

Tgt Ion: 94 Resp: 2996

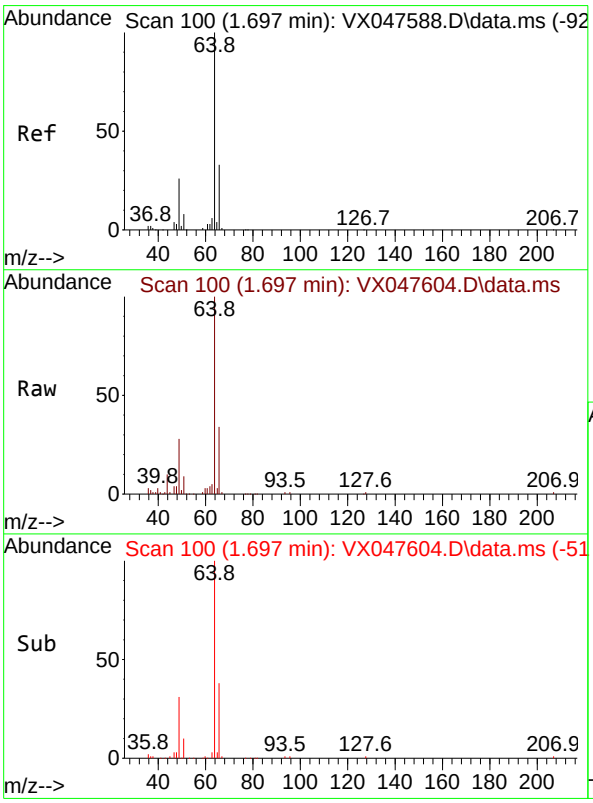
Ion	Ratio	Lower	Upper
94	100		
96	95.2	76.6	115.0



Instrument :
MSVOA_X
ClientSampleId :
VX0917WBS01

Manual Integrations
APPROVED

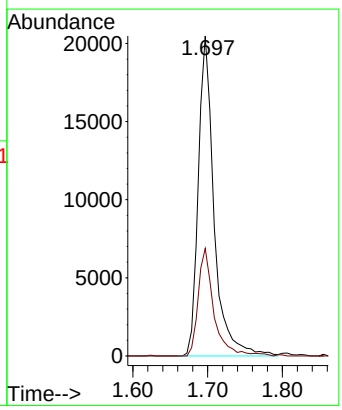
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

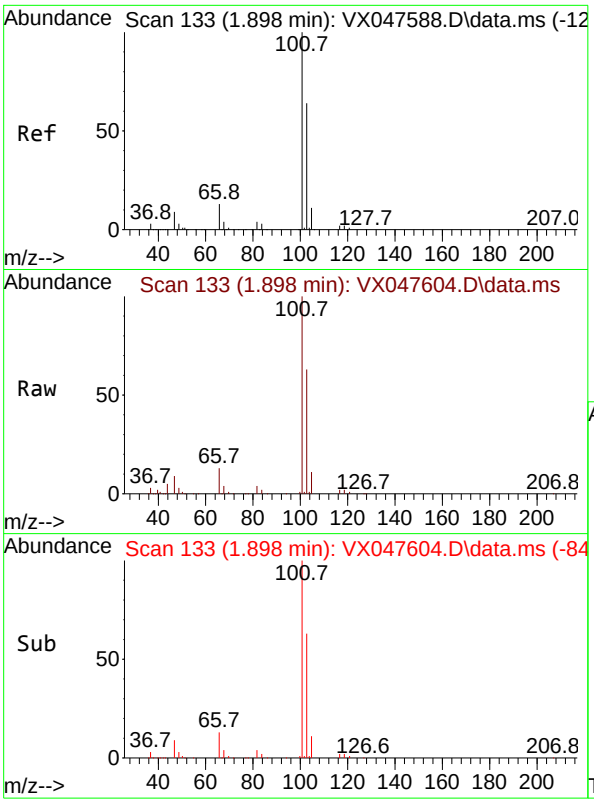


#6
Chloroethane
Concen: 17.208 ug/l
RT: 1.697 min Scan# 100
Delta R.T. -0.000 min
Lab File: VX047604.D
Acq: 17 Sep 2025 10:09

Tgt Ion: 64 Resp: 29979

Ion	Ratio	Lower	Upper
64	100		
66	33.6	26.1	39.1

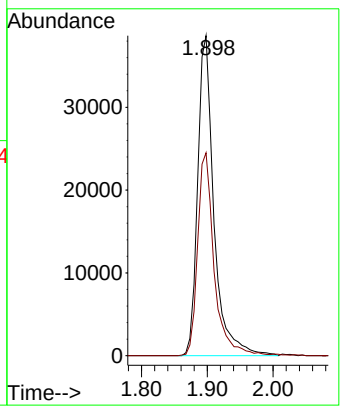




#7
Trichlorofluoromethane
Concen: 17.120 ug/l
RT: 1.898 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047604.D
Acq: 17 Sep 2025 10:09

Tgt Ion:101 Resp: 6625

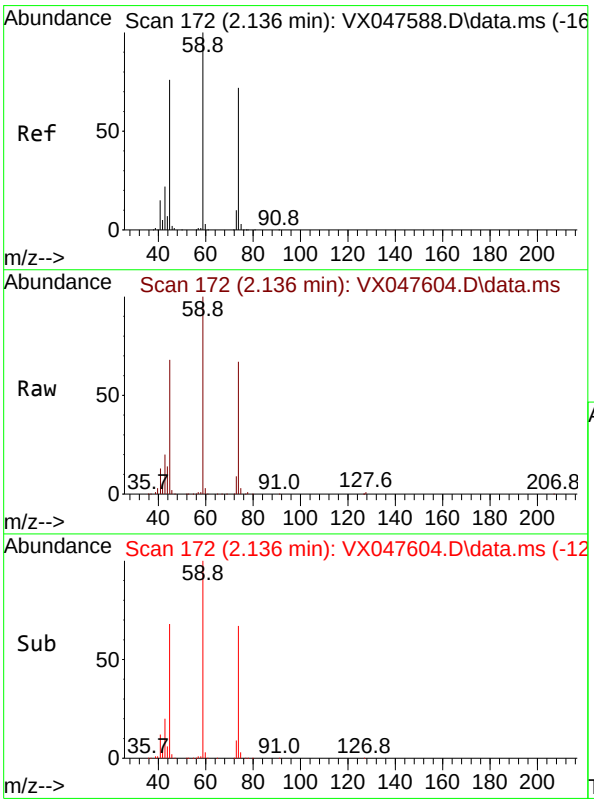
Ion	Ratio	Lower	Upper
101	100		
103	63.4	51.4	77.2



Instrument :
MSVOA_X
ClientSampleId :
VX0917WBS01

Manual Integrations
APPROVED

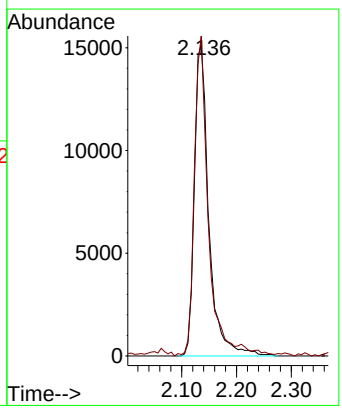
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

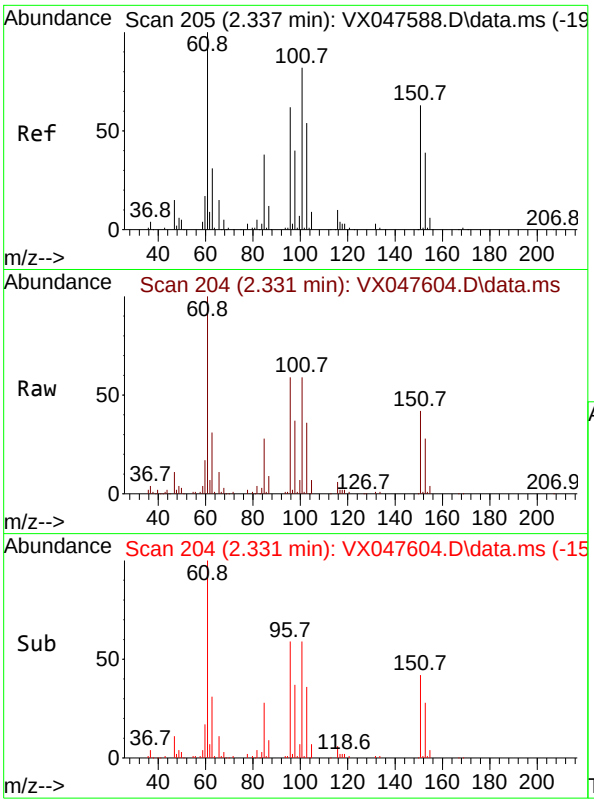


#8
Diethyl Ether
Concen: 17.601 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX047604.D
Acq: 17 Sep 2025 10:09

Tgt Ion: 74 Resp: 27866

Ion	Ratio	Lower	Upper
74	100		
45	100.8	52.3	156.8

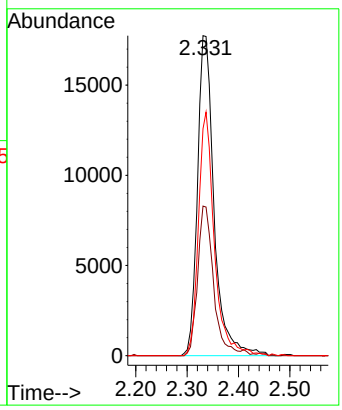




#9
1,1,2-Trichlorotrifluoroethane
Concen: 17.634 ug/l
RT: 2.331 min Scan# 2(
Delta R.T. -0.006 min
Lab File: VX047604.D
Acq: 17 Sep 2025 10:09

Tgt Ion:101 Resp: 3990(

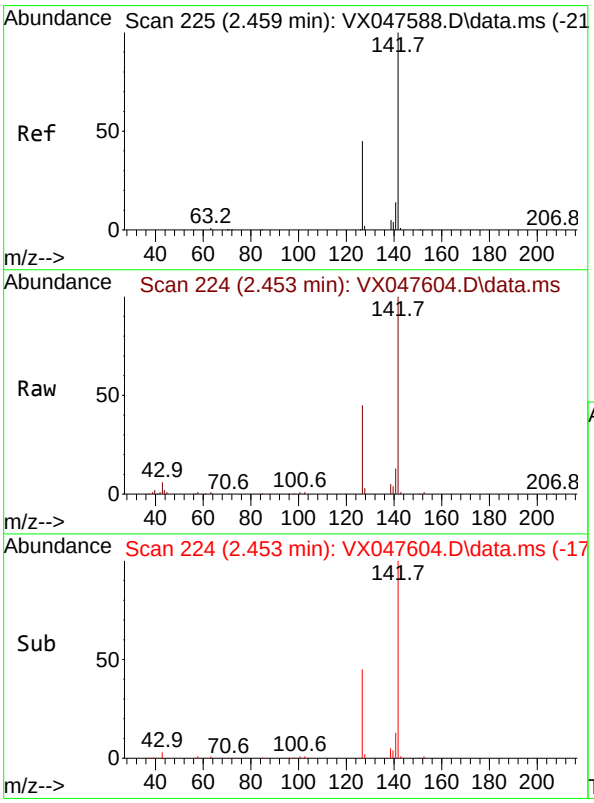
Ion	Ratio	Lower	Upper
101	100		
85	45.3	35.5	53.3
151	72.7	59.4	89.0



Instrument :
MSVOA_X
ClientSampleId :
VX0917WBS01

Manual Integrations
APPROVED

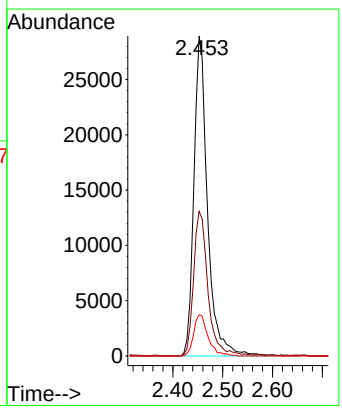
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

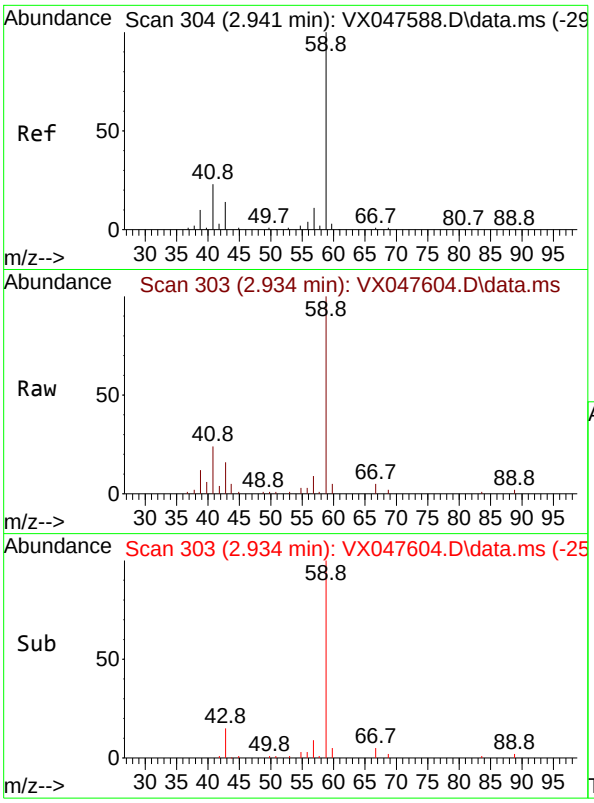


#10
Methyl Iodide
Concen: 15.534 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.006 min
Lab File: VX047604.D
Acq: 17 Sep 2025 10:09

Tgt Ion:142 Resp: 54828

Ion	Ratio	Lower	Upper
142	100		
127	47.6	37.2	55.8
141	13.6	11.4	17.0

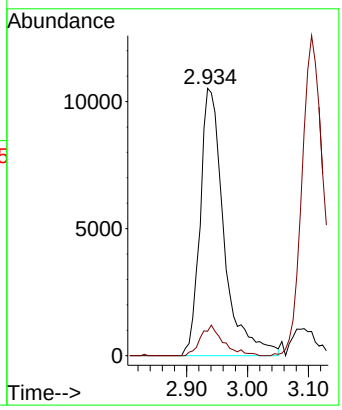




#11
Tert butyl alcohol
Concen: 82.535 ug/l
RT: 2.934 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047604.D
Acq: 17 Sep 2025 10:09

Tgt Ion: 59 Resp: 2862

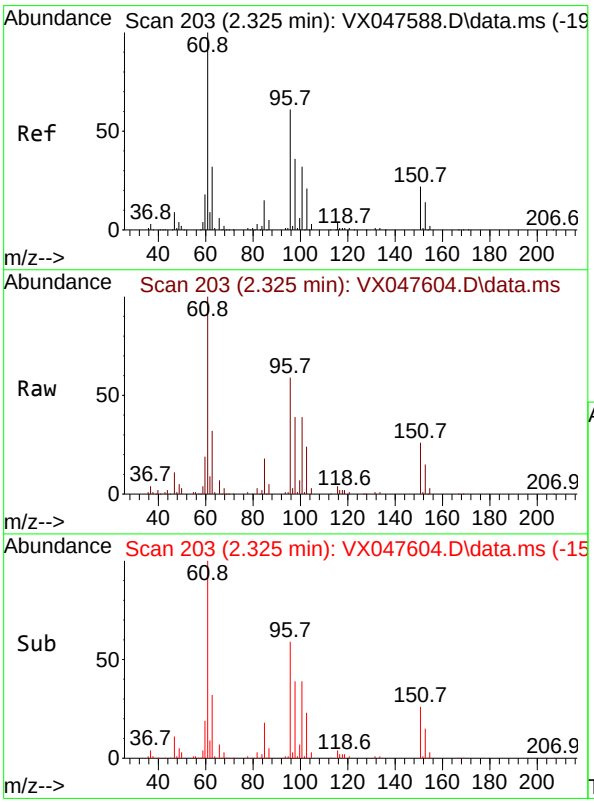
Ion	Ratio	Lower	Upper
59	100		
57	10.8	8.3	12.5



Instrument :
MSVOA_X
ClientSampleId :
VX0917WBS01

Manual Integrations
APPROVED

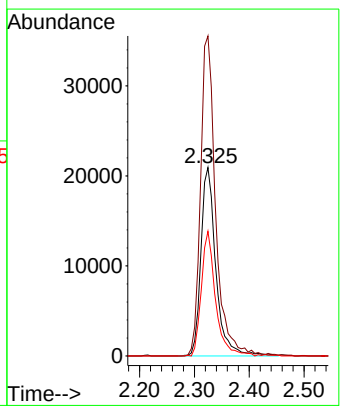
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

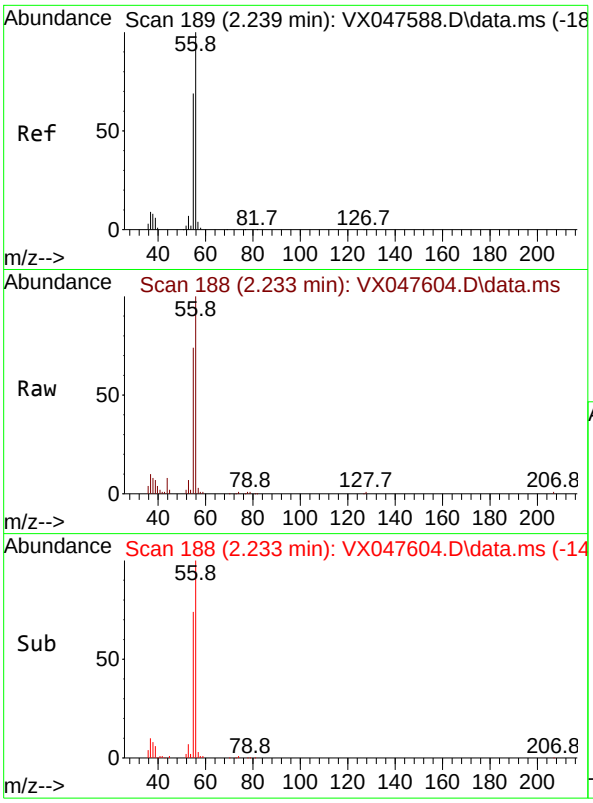


#12
1,1-Dichloroethene
Concen: 17.069 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX047604.D
Acq: 17 Sep 2025 10:09

Tgt Ion: 96 Resp: 39679

Ion	Ratio	Lower	Upper
96	100		
61	169.7	131.0	196.6
98	66.1	47.7	71.5

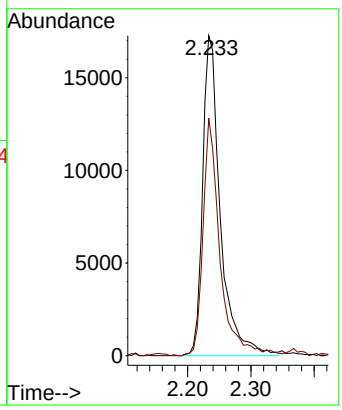




#13
Acrolein
Concen: 104.947 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047604.D
Acq: 17 Sep 2025 10:09

Tgt Ion: 56 Resp: 3354

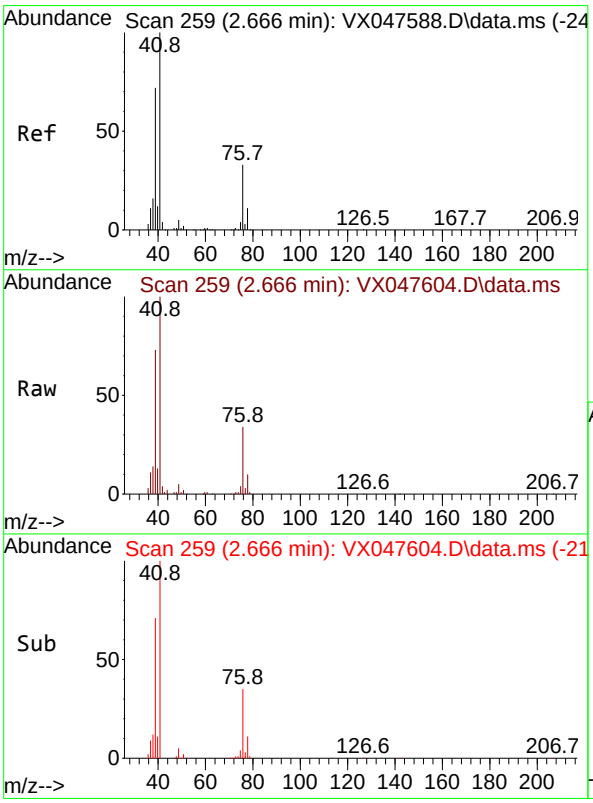
Ion	Ratio	Lower	Upper
56	100		
55	70.9	57.2	85.8



Instrument :
MSVOA_X
ClientSampleId :
VX0917WBS01

Manual Integrations
APPROVED

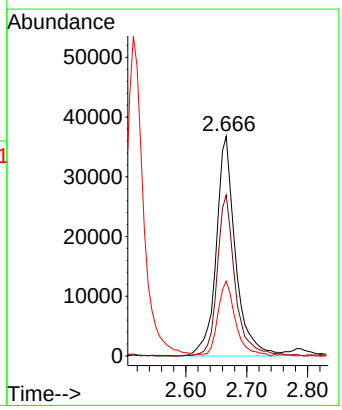
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

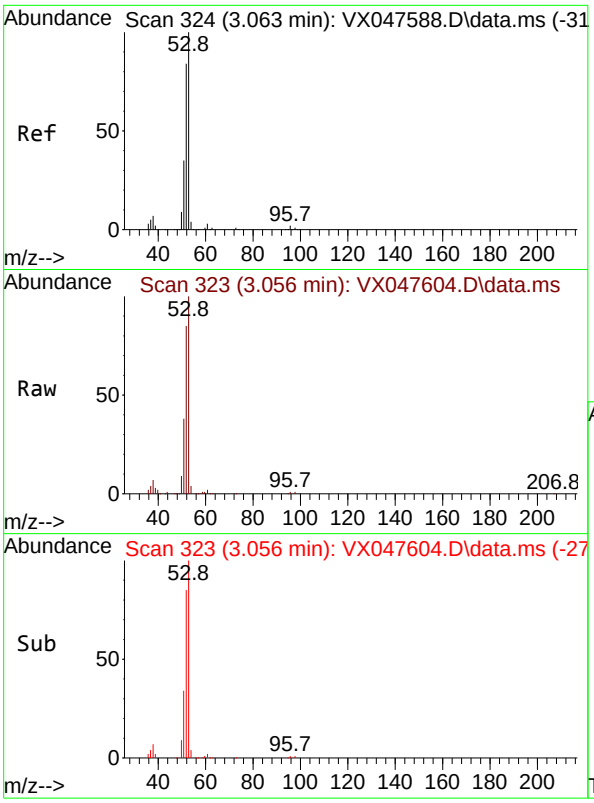


#14
Allyl chloride
Concen: 16.816 ug/l
RT: 2.666 min Scan# 259
Delta R.T. -0.000 min
Lab File: VX047604.D
Acq: 17 Sep 2025 10:09

Tgt Ion: 41 Resp: 80667

Ion	Ratio	Lower	Upper
41	100		
39	68.1	54.7	82.1
76	31.2	25.7	38.5





#15
Acrylonitrile
Concen: 87.930 ug/l
RT: 3.056 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047604.D
Acq: 17 Sep 2025 10:09

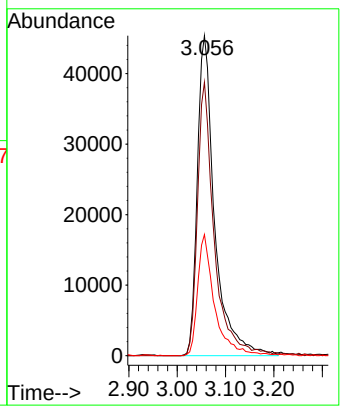
Tgt Ion: 53 Resp: 11297

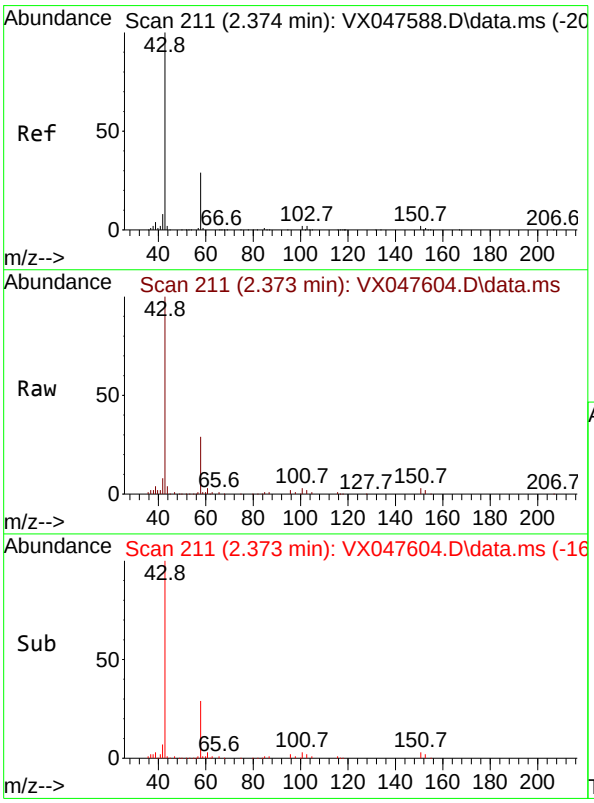
Ion	Ratio	Lower	Upper
53	100		
52	83.0	66.4	99.6
51	36.9	29.5	44.3

Instrument :
MSVOA_X
ClientSampleId :
VX0917WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

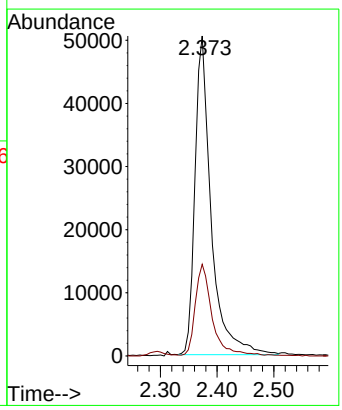


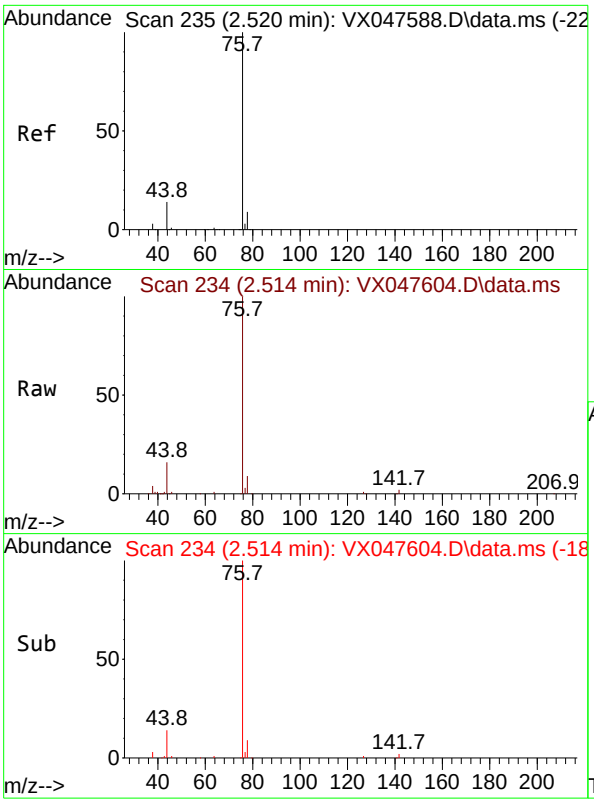


#16
Acetone
Concen: 73.817 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX047604.D
Acq: 17 Sep 2025 10:09

Tgt Ion: 43 Resp: 99959

Ion	Ratio	Lower	Upper
43	100		
58	29.9	23.4	35.0

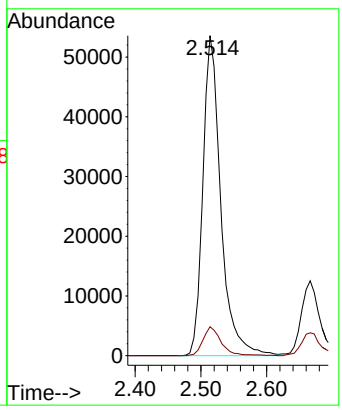




#17
Carbon Disulfide
Concen: 15.975 ug/l
RT: 2.514 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047604.D
Acq: 17 Sep 2025 10:09

Tgt Ion: 76 Resp: 10166

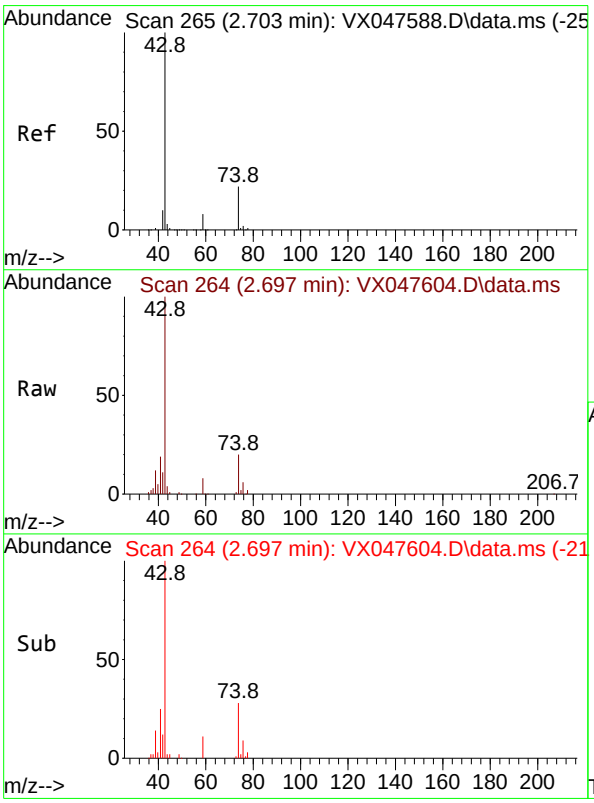
Ion	Ratio	Lower	Upper
76	100		
78	9.1	6.8	10.2



Instrument :
MSVOA_X
ClientSampleId :
VX0917WBS01

Manual Integrations
APPROVED

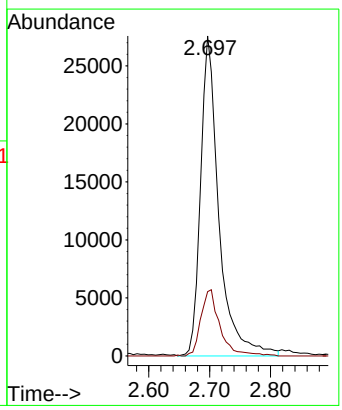
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

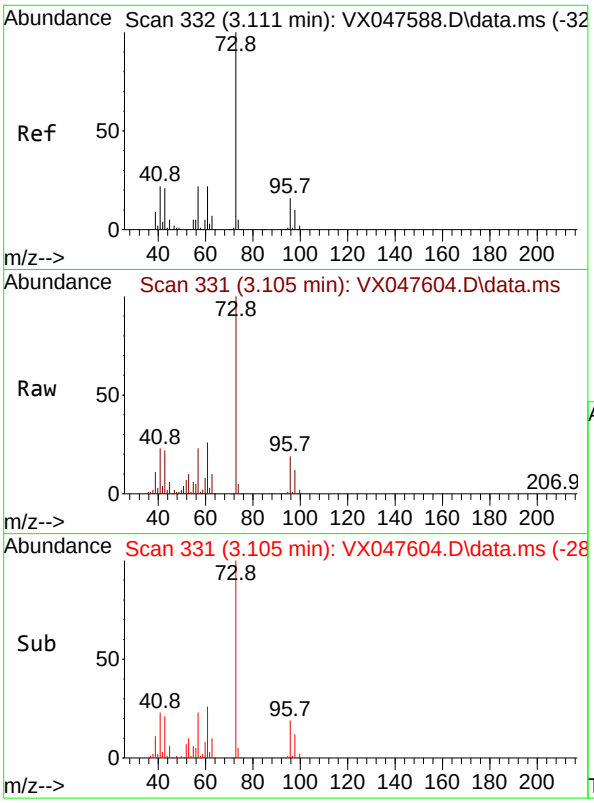


#18
Methyl Acetate
Concen: 19.170 ug/l
RT: 2.697 min Scan# 264
Delta R.T. -0.006 min
Lab File: VX047604.D
Acq: 17 Sep 2025 10:09

Tgt Ion: 43 Resp: 57770

Ion	Ratio	Lower	Upper
43	100		
74	21.7	17.4	26.2

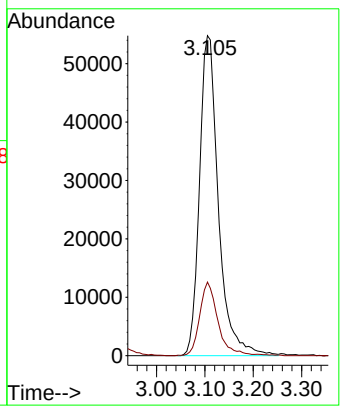




#19
Methyl tert-butyl Ether
Concen: 17.547 ug/l
RT: 3.105 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047604.D
Acq: 17 Sep 2025 10:09

Tgt Ion: 73 Resp: 14889

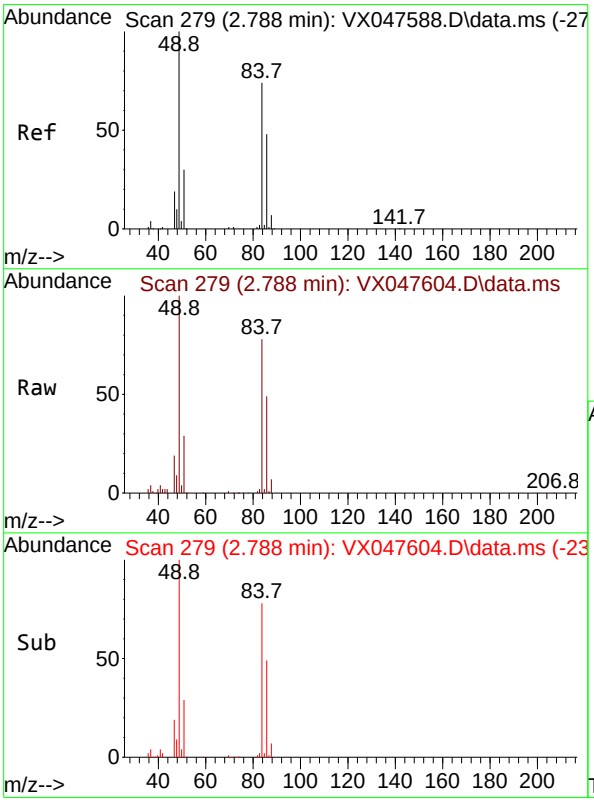
Ion	Ratio	Lower	Upper
73	100		
57	22.8	17.4	26.2



Instrument :
MSVOA_X
ClientSampleId :
VX0917WBS01

Manual Integrations
APPROVED

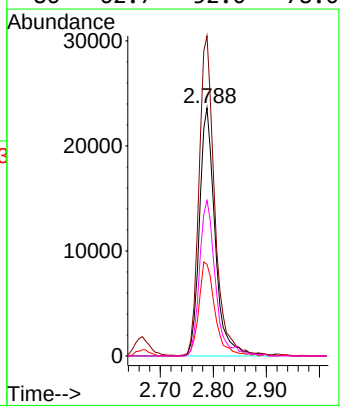
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

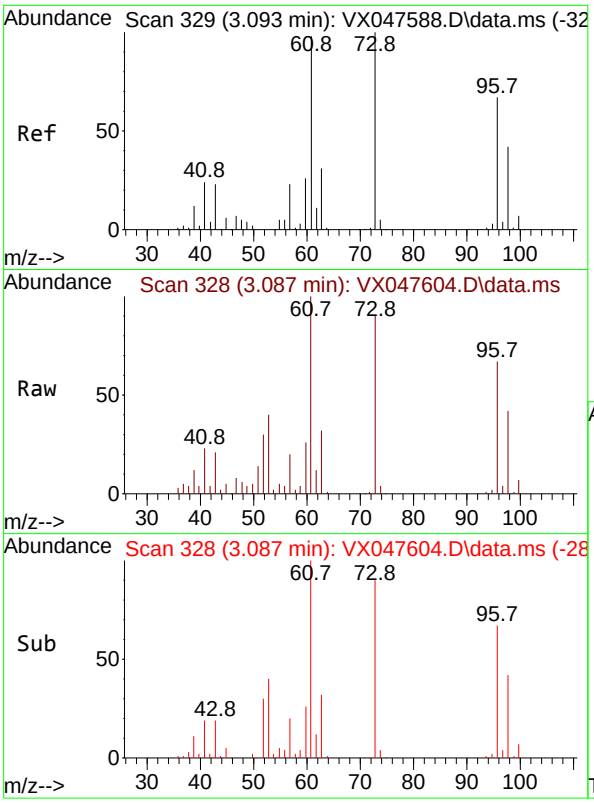


#20
Methylene Chloride
Concen: 16.931 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX047604.D
Acq: 17 Sep 2025 10:09

Tgt Ion: 84 Resp: 48530

Ion	Ratio	Lower	Upper
84	100		
49	129.0	108.6	162.8
51	37.0	32.6	48.8
86	62.7	52.0	78.0

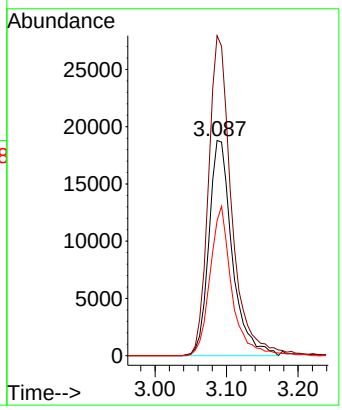




#21
trans-1,2-Dichloroethene
Concen: 16.980 ug/l
RT: 3.087 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047604.D
Acq: 17 Sep 2025 10:09

Tgt Ion: 96 Resp: 4249

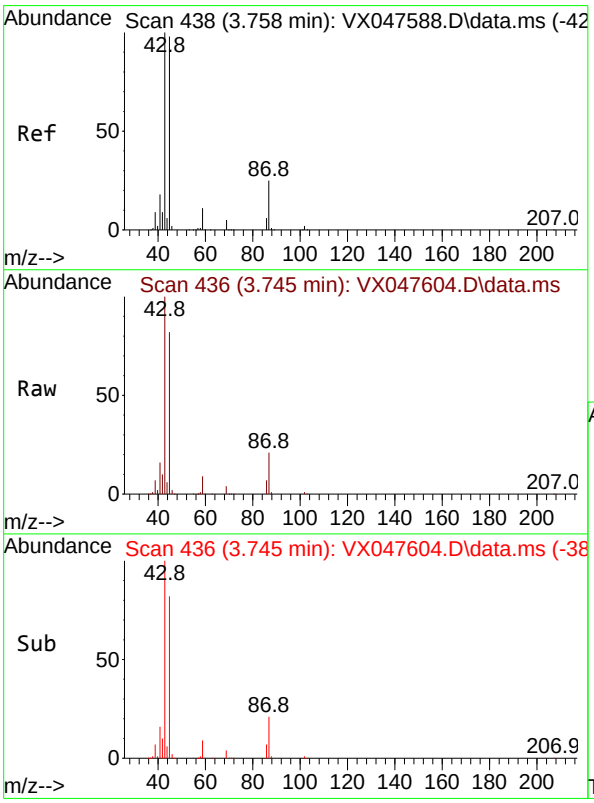
Ion	Ratio	Lower	Upper
96	100		
61	148.7	116.2	174.2
98	62.7	49.3	73.9



Instrument :
MSVOA_X
ClientSampleId :
VX0917WBS01

Manual Integrations
APPROVED

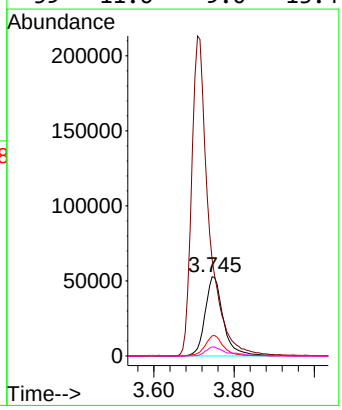
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

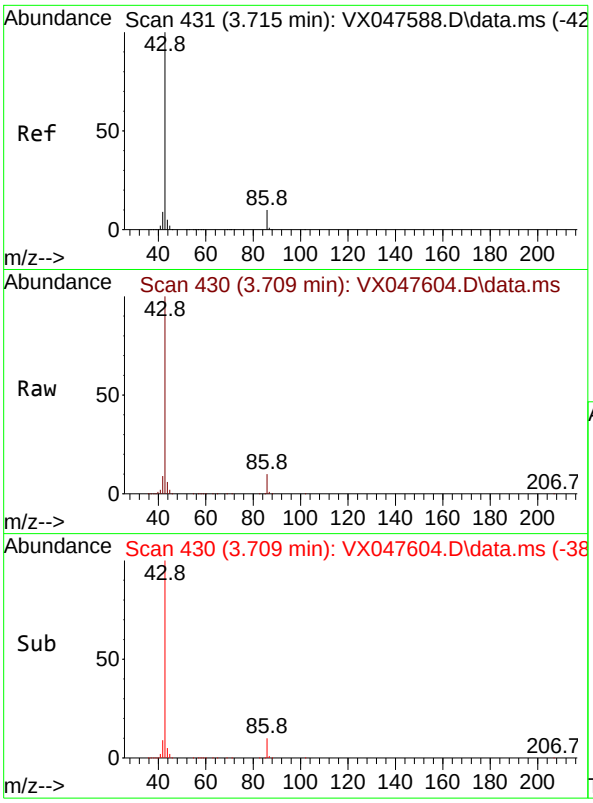


#22
Diisopropyl ether
Concen: 17.879 ug/l
RT: 3.745 min Scan# 436
Delta R.T. -0.012 min
Lab File: VX047604.D
Acq: 17 Sep 2025 10:09

Tgt Ion: 45 Resp: 166210

Ion	Ratio	Lower	Upper
45	100		
43	121.3	81.0	121.4
87	25.4	20.3	30.5
59	11.6	9.0	13.4

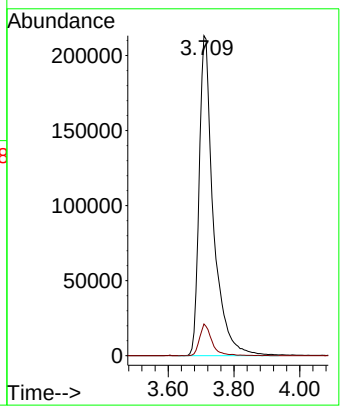




#23
Vinyl Acetate
Concen: 86.219 ug/l
RT: 3.709 min Scan# 4
Delta R.T. -0.006 min
Lab File: VX047604.D
Acq: 17 Sep 2025 10:09

Tgt Ion: 43 Resp: 64150

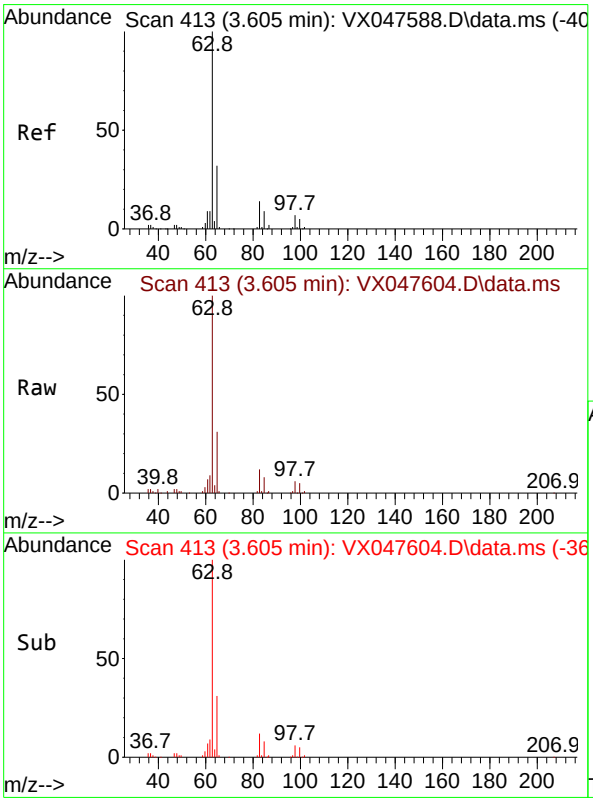
Ion	Ratio	Lower	Upper
43	100		
86	9.9	7.8	11.8



Instrument :
MSVOA_X
ClientSampleId :
VX0917WBS01

Manual Integrations
APPROVED

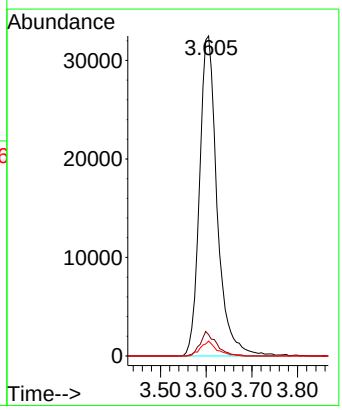
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

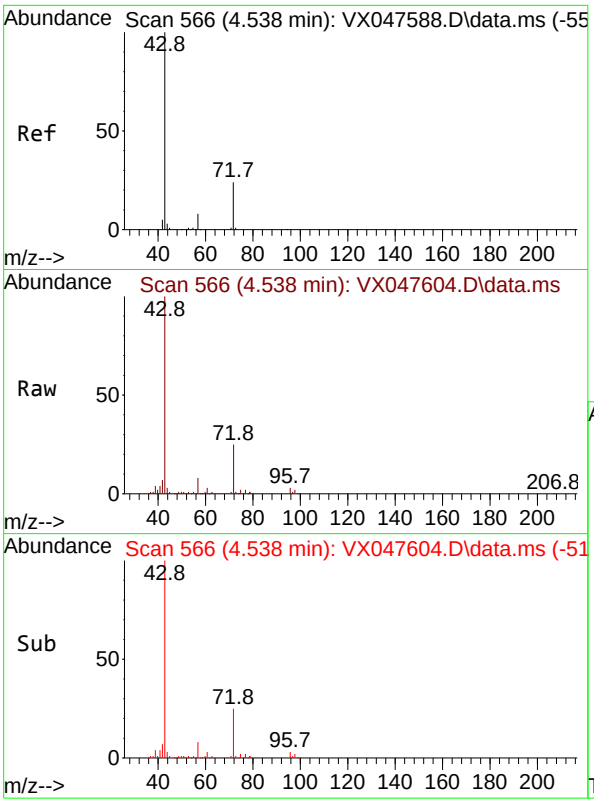


#24
1,1-Dichloroethane
Concen: 17.629 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX047604.D
Acq: 17 Sep 2025 10:09

Tgt Ion: 63 Resp: 87109

Ion	Ratio	Lower	Upper
63	100		
98	6.6	3.8	11.2
100	4.7	2.3	6.9

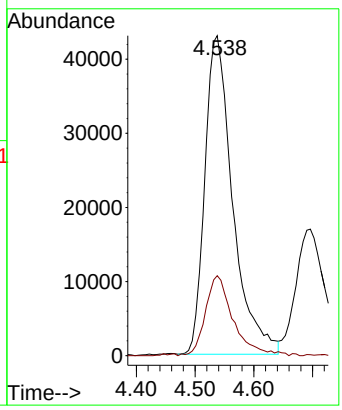




#25
2-Butanone
Concen: 83.988 ug/l
RT: 4.538 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX047604.D
Acq: 17 Sep 2025 10:09

Tgt Ion: 43 Resp: 14186

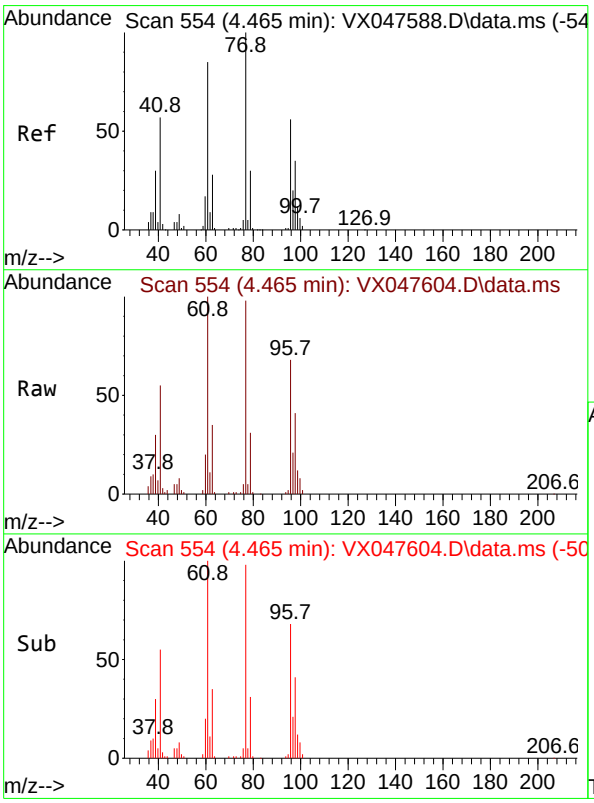
Ion	Ratio	Lower	Upper
43	100		
72	24.7	20.1	30.1



Instrument :
MSVOA_X
ClientSampleId :
VX0917WBS01

Manual Integrations
APPROVED

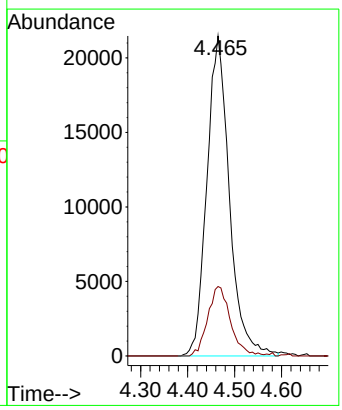
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

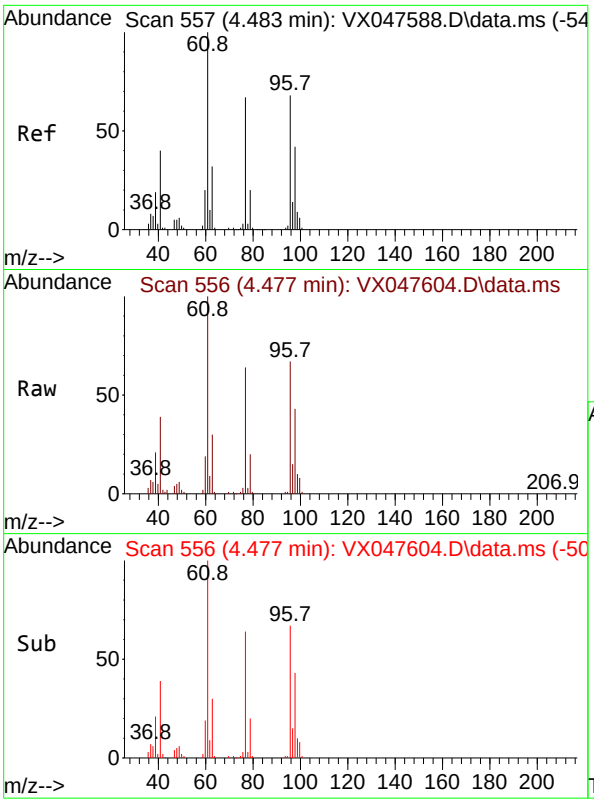


#26
2,2-Dichloropropane
Concen: 17.396 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.000 min
Lab File: VX047604.D
Acq: 17 Sep 2025 10:09

Tgt Ion: 77 Resp: 71454

Ion	Ratio	Lower	Upper
77	100		
97	21.9	10.9	32.7





#27
cis-1,2-Dichloroethene
Concen: 17.564 ug/l
RT: 4.477 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX047604.D
Acq: 17 Sep 2025 10:09

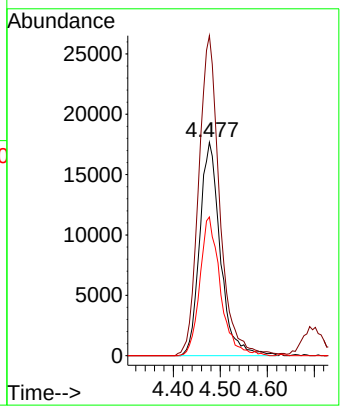
Tgt Ion: 96 Resp: 5383

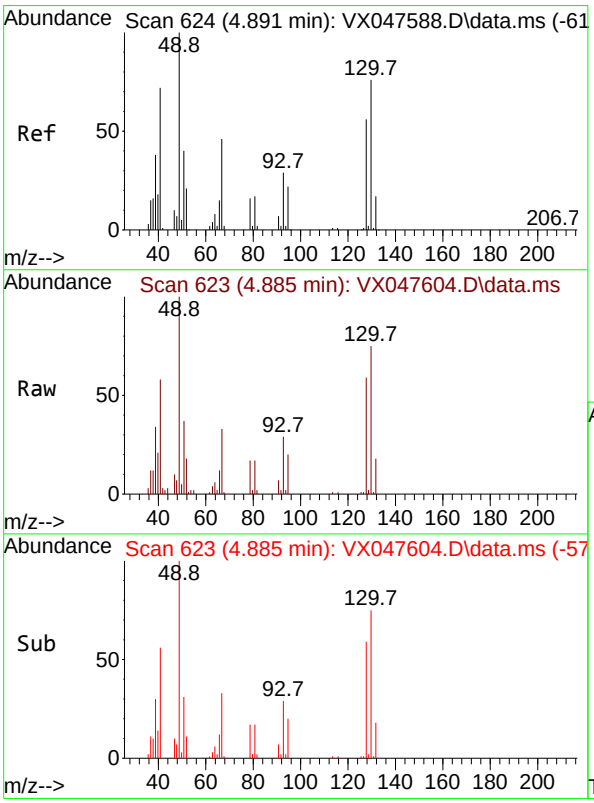
Ion	Ratio	Lower	Upper
96	100		
61	152.4	0.0	303.2
98	64.8	0.0	127.8

Instrument :
MSVOA_X
ClientSampleId :
VX0917WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

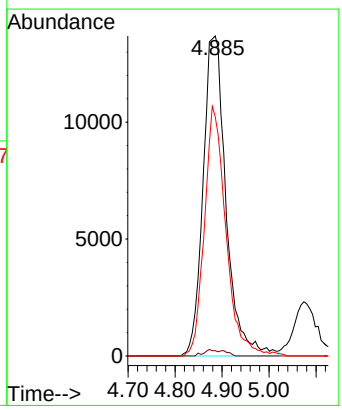


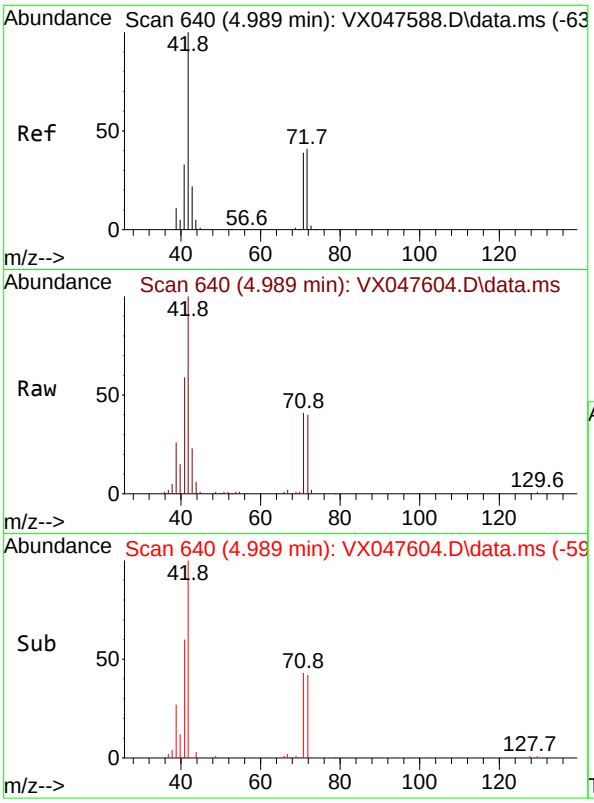


#28
Bromochloromethane
Concen: 21.562 ug/l
RT: 4.885 min Scan# 623
Delta R.T. -0.006 min
Lab File: VX047604.D
Acq: 17 Sep 2025 10:09

Tgt Ion: 49 Resp: 46513

Ion	Ratio	Lower	Upper
49	100		
129	1.1	0.0	3.2
130	72.5	57.8	86.8





#29
Tetrahydrofuran
Concen: 85.223 ug/l
RT: 4.989 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX047604.D
Acq: 17 Sep 2025 10:09

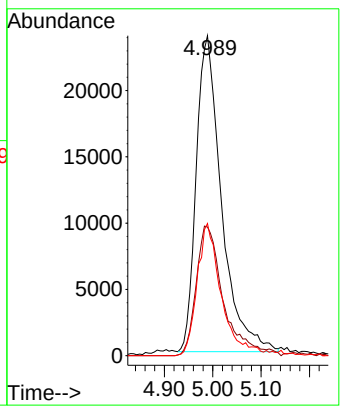
Tgt Ion: 42 Resp: 8659

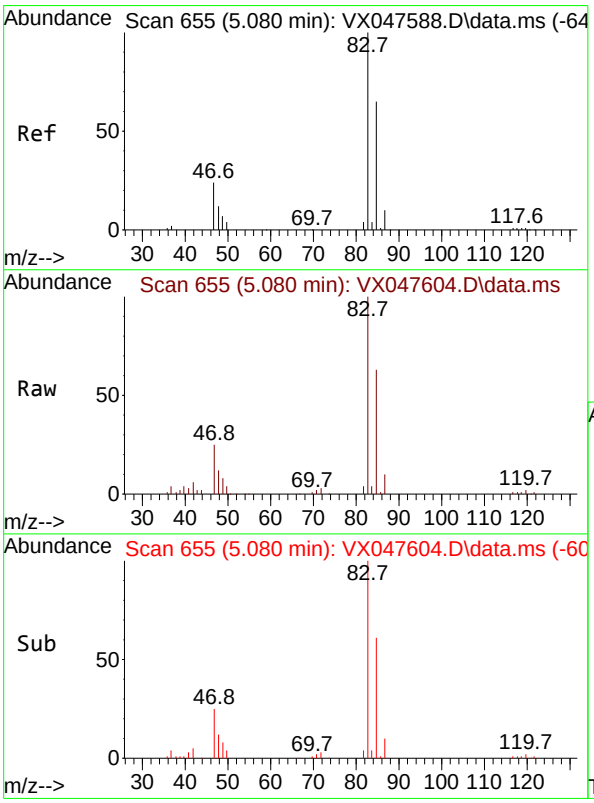
Ion	Ratio	Lower	Upper
42	100		
72	44.1	34.2	51.2
71	39.8	31.9	47.9

Instrument :
MSVOA_X
ClientSampleId :
VX0917WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

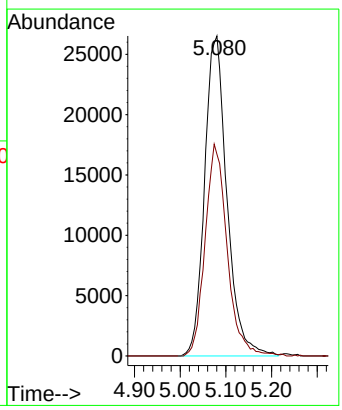


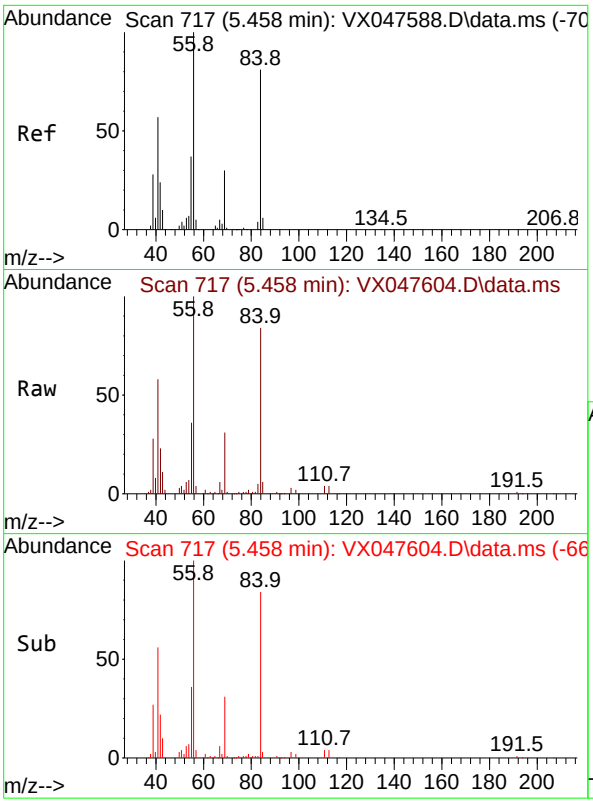


#30
Chloroform
Concen: 18.035 ug/l
RT: 5.080 min Scan# 655
Delta R.T. -0.000 min
Lab File: VX047604.D
Acq: 17 Sep 2025 10:09

Tgt Ion: 83 Resp: 90053

Ion	Ratio	Lower	Upper
83	100		
85	60.6	51.8	77.6

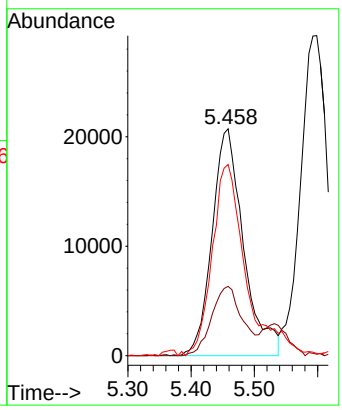




#31
Cyclohexane
Concen: 17.363 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047604.D
Acq: 17 Sep 2025 10:09

Tgt Ion: 56 Resp: 7145

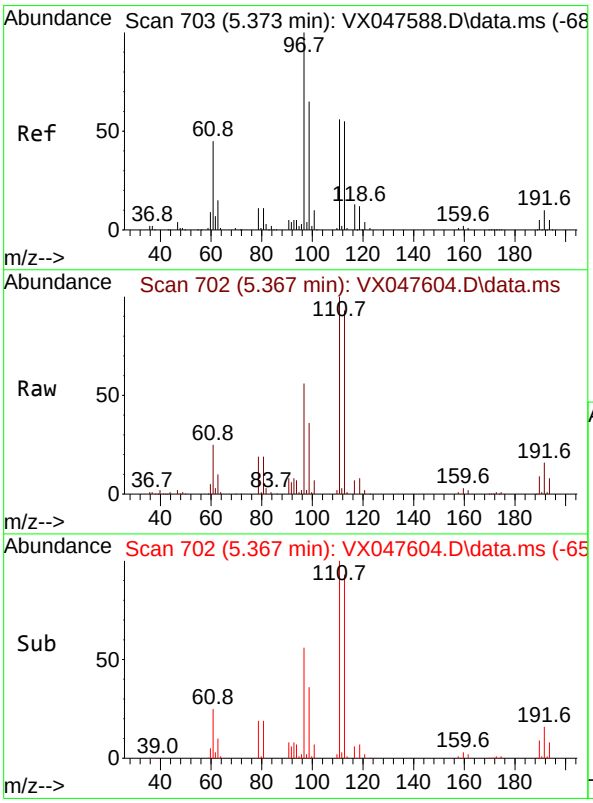
Ion	Ratio	Lower	Upper
56	100		
69	30.0	23.8	35.8
84	84.3	64.6	97.0



Instrument :
MSVOA_X
ClientSampleId :
VX0917WBS01

Manual Integrations
APPROVED

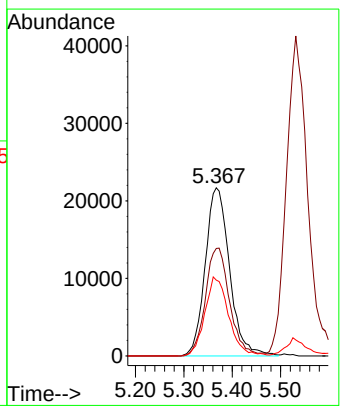
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

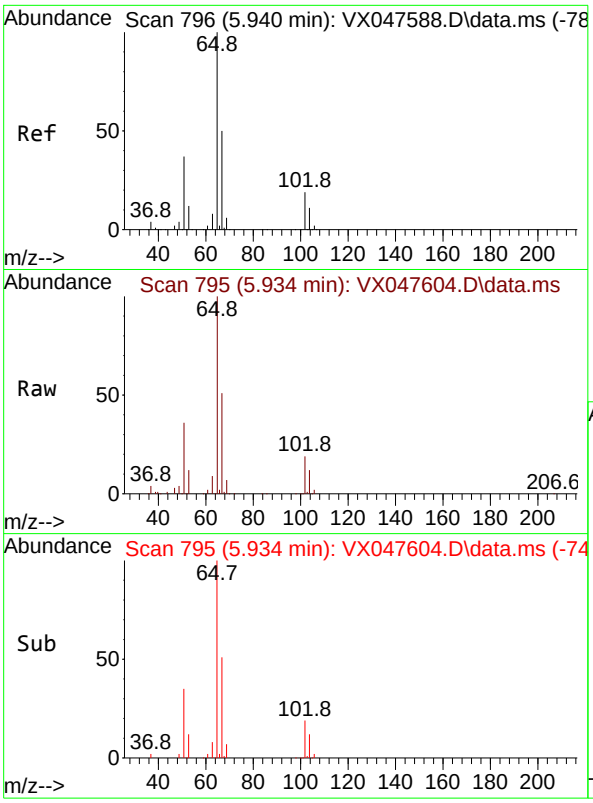


#32
1,1,1-Trichloroethane
Concen: 17.930 ug/l
RT: 5.367 min Scan# 702
Delta R.T. -0.006 min
Lab File: VX047604.D
Acq: 17 Sep 2025 10:09

Tgt Ion: 97 Resp: 75940

Ion	Ratio	Lower	Upper
97	100		
99	63.5	50.6	76.0
61	45.9	35.8	53.8

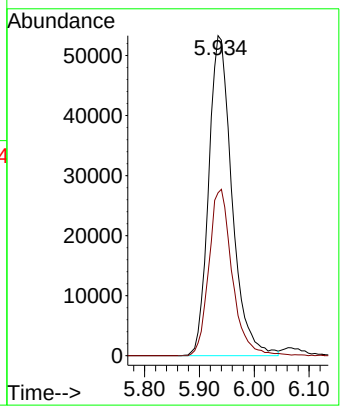




#33
1,2-Dichloroethane-d4
Concen: 50.534 ug/l
RT: 5.934 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047604.D
Acq: 17 Sep 2025 10:09

Tgt Ion: 65 Resp: 15738

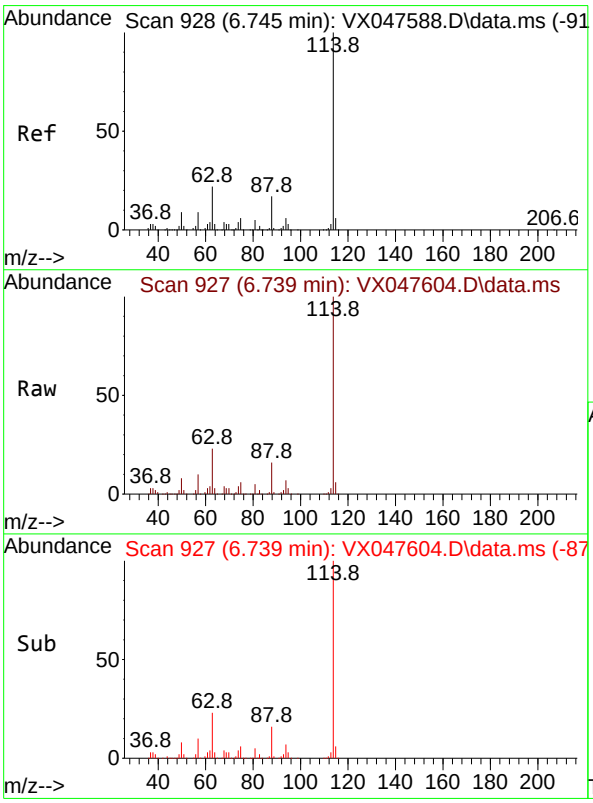
Ion	Ratio	Lower	Upper
65	100		
67	52.1	0.0	103.0



Instrument :
MSVOA_X
ClientSampleId :
VX0917WBS01

Manual Integrations APPROVED

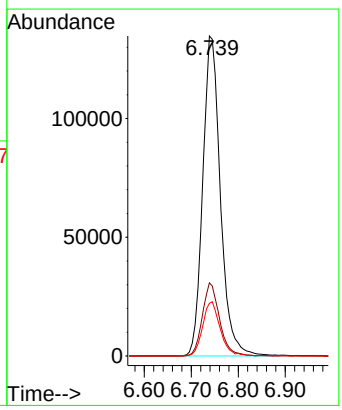
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

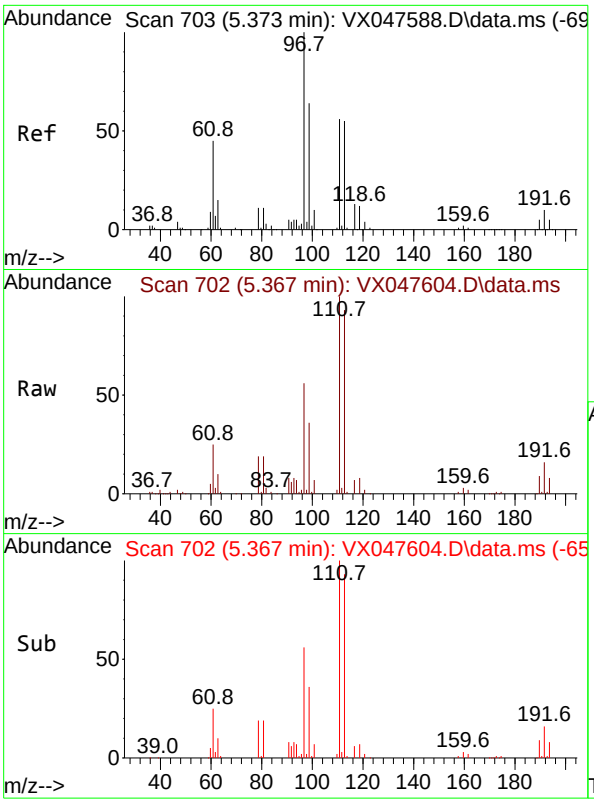


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.739 min Scan# 927
Delta R.T. -0.006 min
Lab File: VX047604.D
Acq: 17 Sep 2025 10:09

Tgt Ion:114 Resp: 351376

Ion	Ratio	Lower	Upper
114	100		
63	22.9	0.0	44.0
88	16.4	0.0	34.2

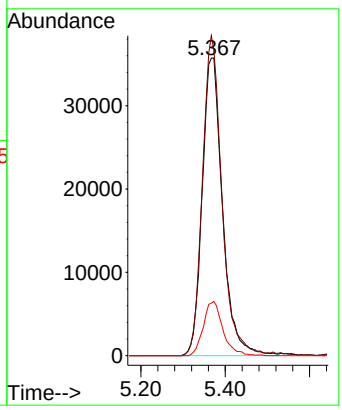




#35
Dibromofluoromethane
Concen: 50.870 ug/l
RT: 5.367 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047604.D
Acq: 17 Sep 2025 10:09

Tgt Ion:113 Resp: 11987

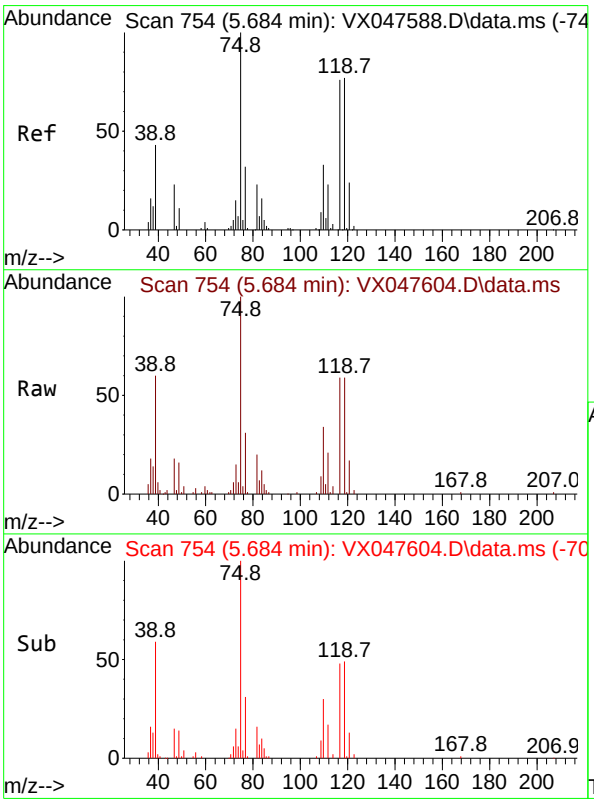
Ion	Ratio	Lower	Upper
113	100		
111	102.7	80.9	121.3
192	17.6	14.2	21.4



Instrument :
MSVOA_X
ClientSampleId :
VX0917WBS01

Manual Integrations APPROVED

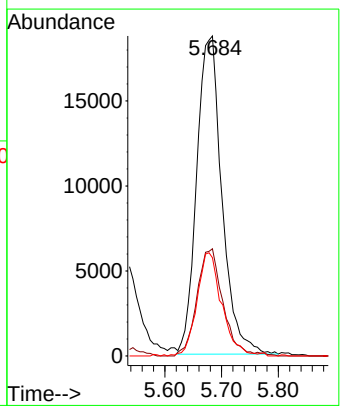
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

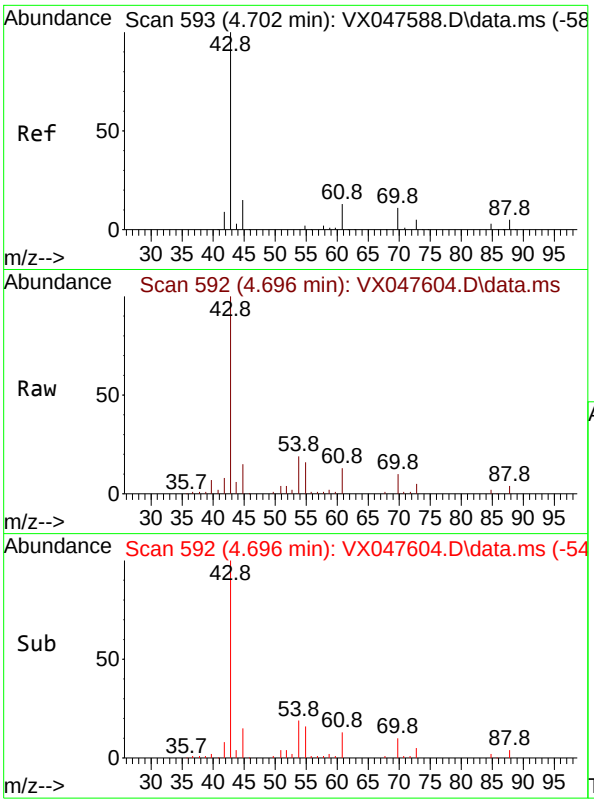


#36
1,1-Dichloropropene
Concen: 16.813 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.000 min
Lab File: VX047604.D
Acq: 17 Sep 2025 10:09

Tgt Ion: 75 Resp: 57894

Ion	Ratio	Lower	Upper
75	100		
110	34.8	16.7	50.1
77	31.8	24.3	36.5





#37
Ethyl Acetate
Concen: 16.418 ug/l
RT: 4.696 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX047604.D
Acq: 17 Sep 2025 10:09

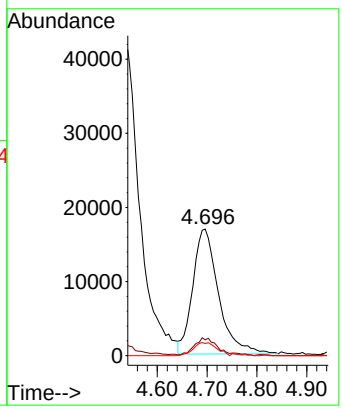
Tgt Ion: 43 Resp: 6053

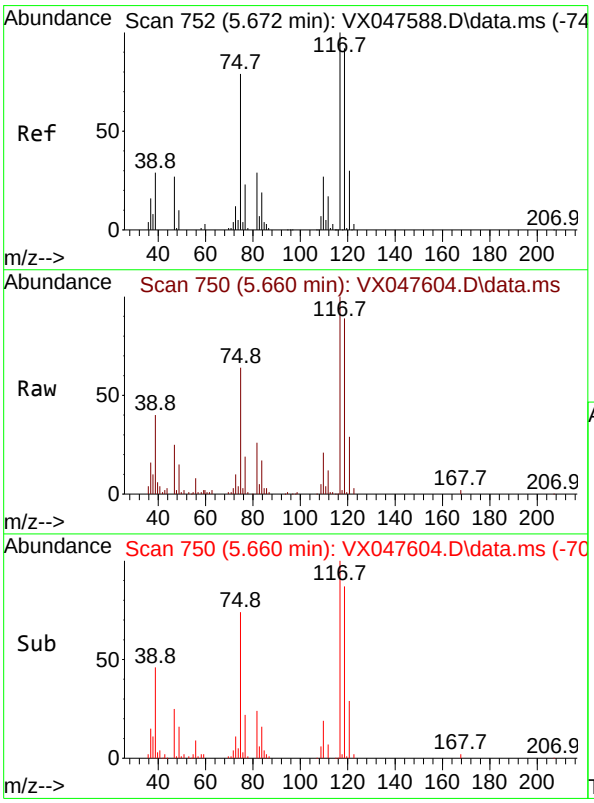
Ion	Ratio	Lower	Upper
43	100		
61	13.3	9.8	14.8
70	9.3	7.9	11.9

Instrument :
MSVOA_X
ClientSampleId :
VX0917WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

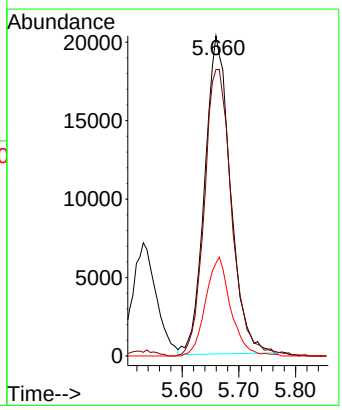


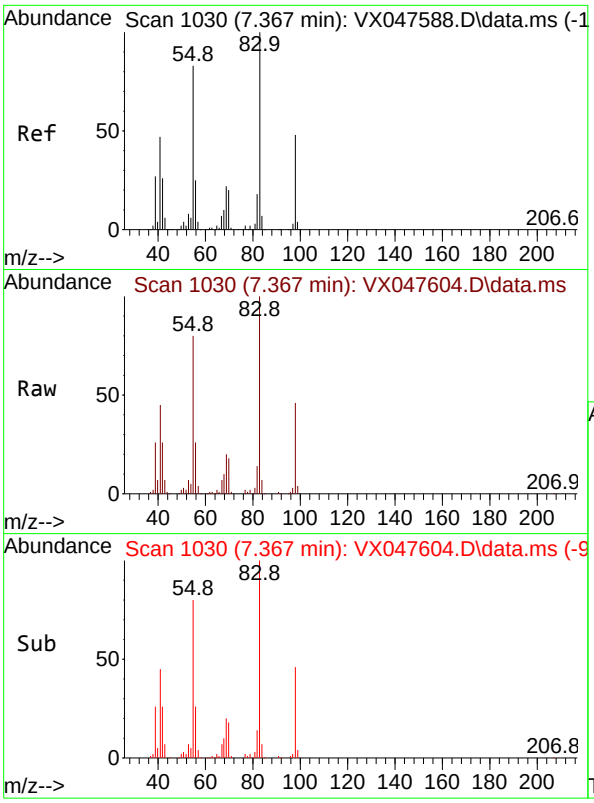


#38
Carbon Tetrachloride
Concen: 17.043 ug/l
RT: 5.660 min Scan# 750
Delta R.T. -0.012 min
Lab File: VX047604.D
Acq: 17 Sep 2025 10:09

Tgt Ion:117 Resp: 63765

Ion	Ratio	Lower	Upper
117	100		
119	90.1	73.4	110.2
121	29.3	23.8	35.6

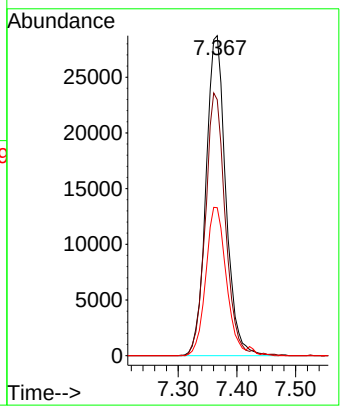




#39
Methylcyclohexane
Concen: 17.200 ug/l
RT: 7.367 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047604.D
Acq: 17 Sep 2025 10:09

Tgt Ion: 83 Resp: 6723

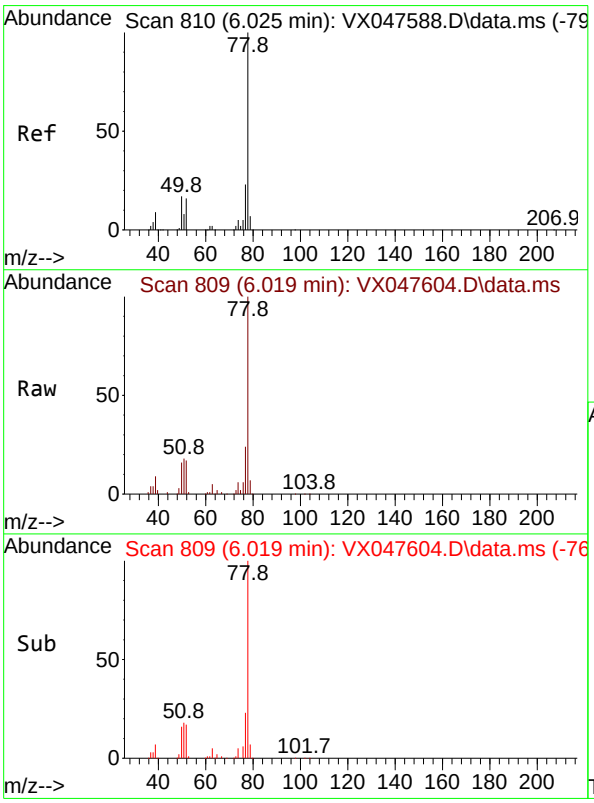
Ion	Ratio	Lower	Upper
83	100		
55	80.0	66.4	99.6
98	46.2	38.1	57.1



Instrument :
MSVOA_X
ClientSampleId :
VX0917WBS01

Manual Integrations
APPROVED

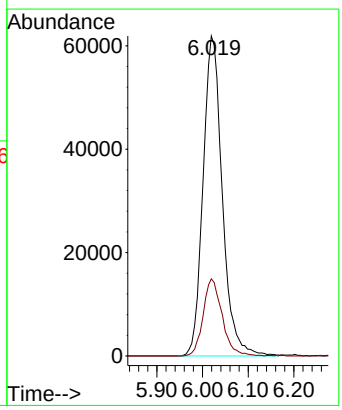
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

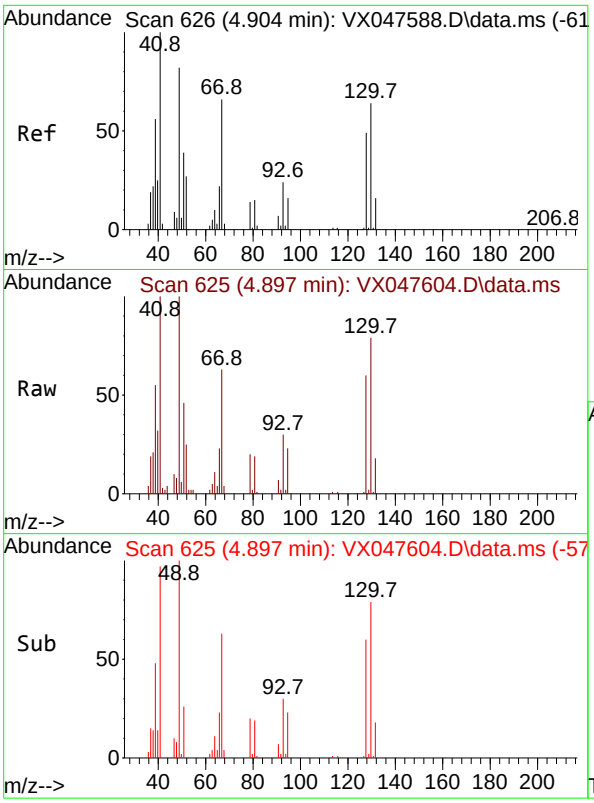


#40
Benzene
Concen: 17.312 ug/l
RT: 6.019 min Scan# 809
Delta R.T. -0.006 min
Lab File: VX047604.D
Acq: 17 Sep 2025 10:09

Tgt Ion: 78 Resp: 181057

Ion	Ratio	Lower	Upper
78	100		
77	24.1	18.8	28.2

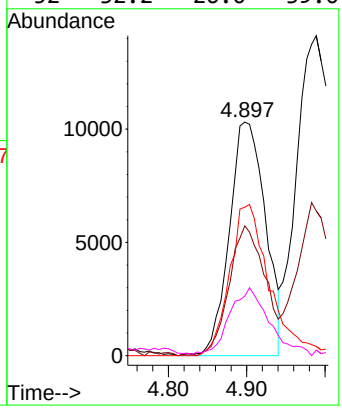




#41
Methacrylonitrile
Concen: 17.337 ug/l
RT: 4.897 min Scan# 6
Delta R.T. -0.006 min
Lab File: VX047604.D
Acq: 17 Sep 2025 10:09

Tgt Ion: 41 Resp: 3300

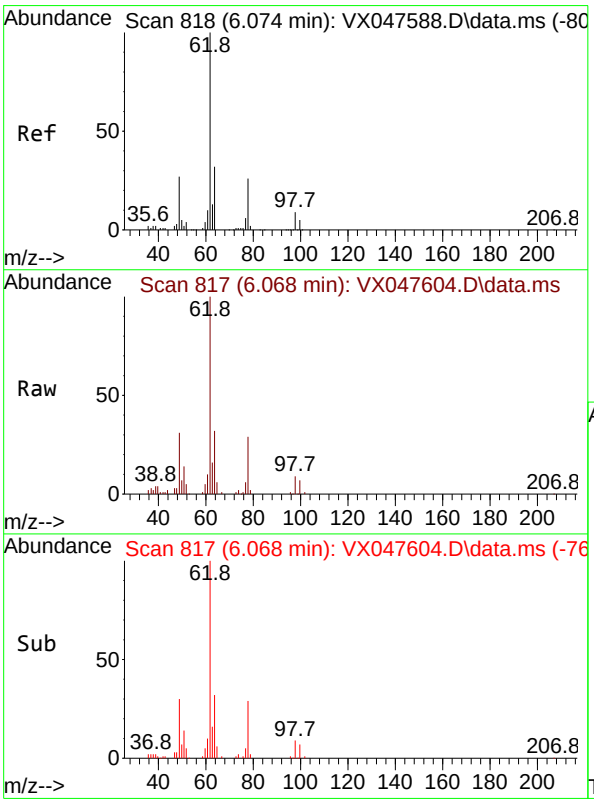
Ion	Ratio	Lower	Upper
41	100		
39	55.3	43.3	64.9
67	73.1	58.6	87.8
52	32.2	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
VX0917WBS01

Manual Integrations APPROVED

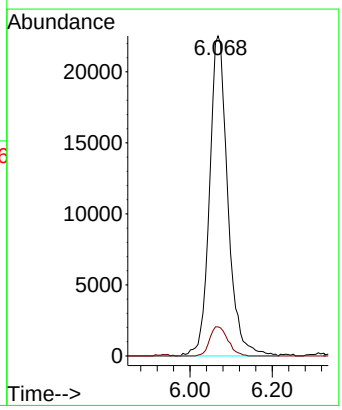
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

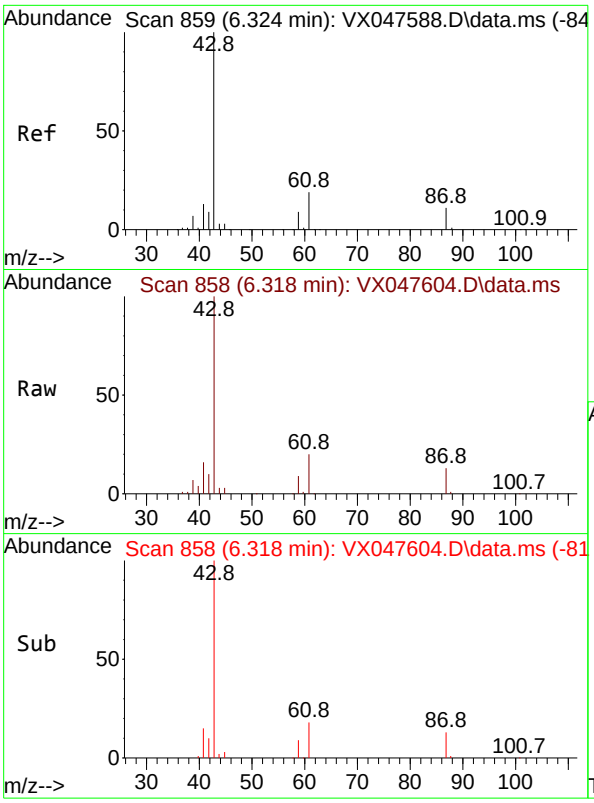


#42
1,2-Dichloroethane
Concen: 17.487 ug/l
RT: 6.068 min Scan# 817
Delta R.T. -0.006 min
Lab File: VX047604.D
Acq: 17 Sep 2025 10:09

Tgt Ion: 62 Resp: 69587

Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	17.0

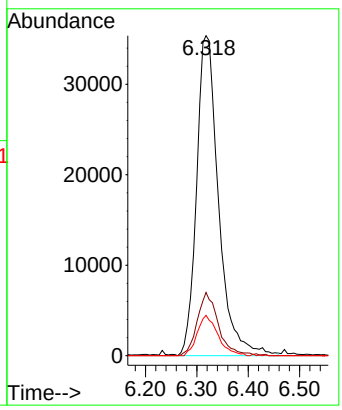




#43
Isopropyl Acetate
Concen: 17.392 ug/l
RT: 6.318 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX047604.D
Acq: 17 Sep 2025 10:09

Tgt Ion: 43 Resp: 10516

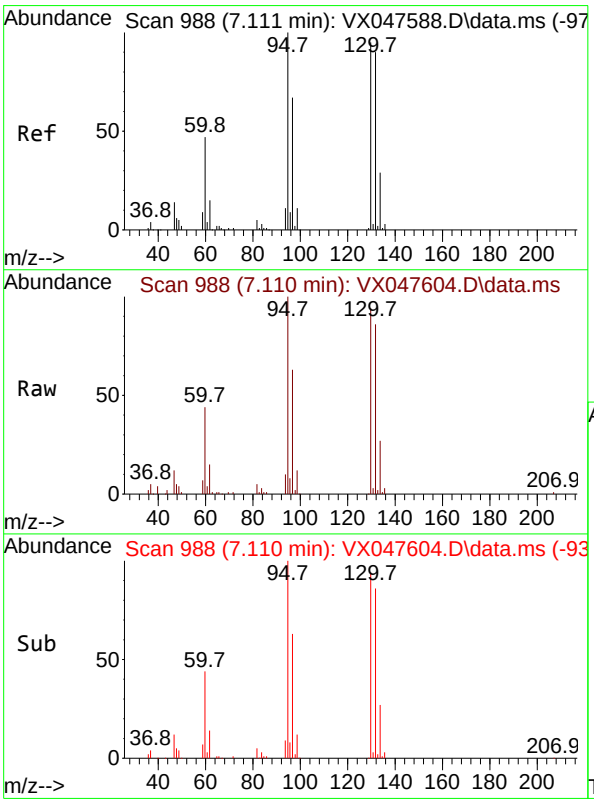
Ion	Ratio	Lower	Upper
43	100		
61	19.1	15.2	22.8
87	11.9	9.6	14.4



Instrument :
MSVOA_X
ClientSampleId :
VX0917WBS01

Manual Integrations
APPROVED

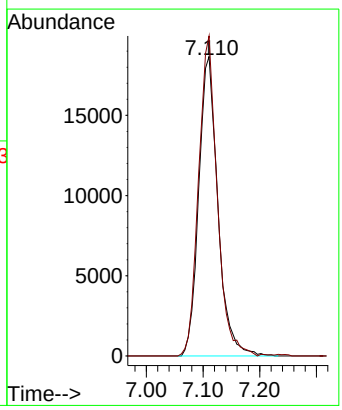
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

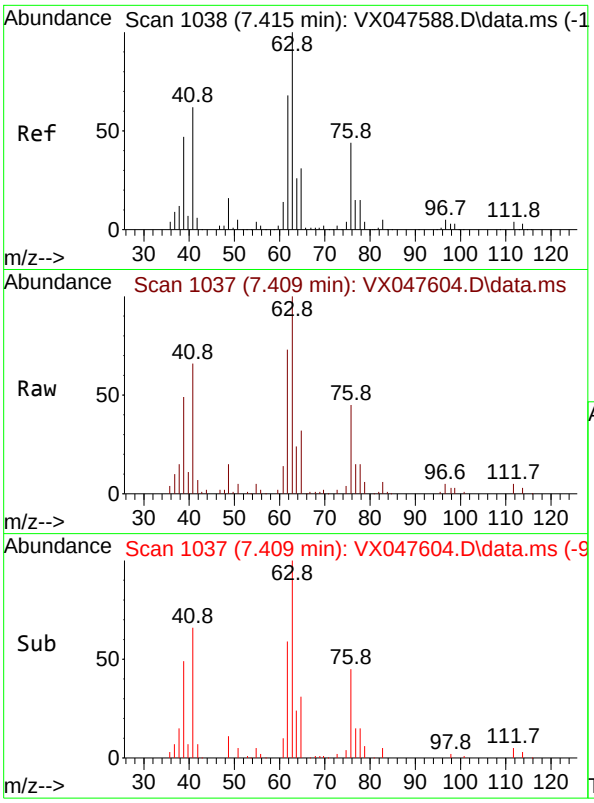


#44
Trichloroethene
Concen: 17.339 ug/l
RT: 7.110 min Scan# 988
Delta R.T. -0.000 min
Lab File: VX047604.D
Acq: 17 Sep 2025 10:09

Tgt Ion:130 Resp: 43841

Ion	Ratio	Lower	Upper
130	100		
95	115.9	0.0	210.8

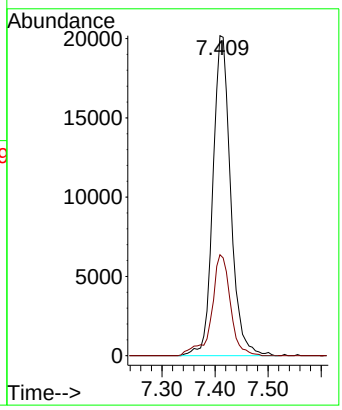




#45
1,2-Dichloropropane
Concen: 17.517 ug/l
RT: 7.409 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047604.D
Acq: 17 Sep 2025 10:09

Tgt Ion: 63 Resp: 4691

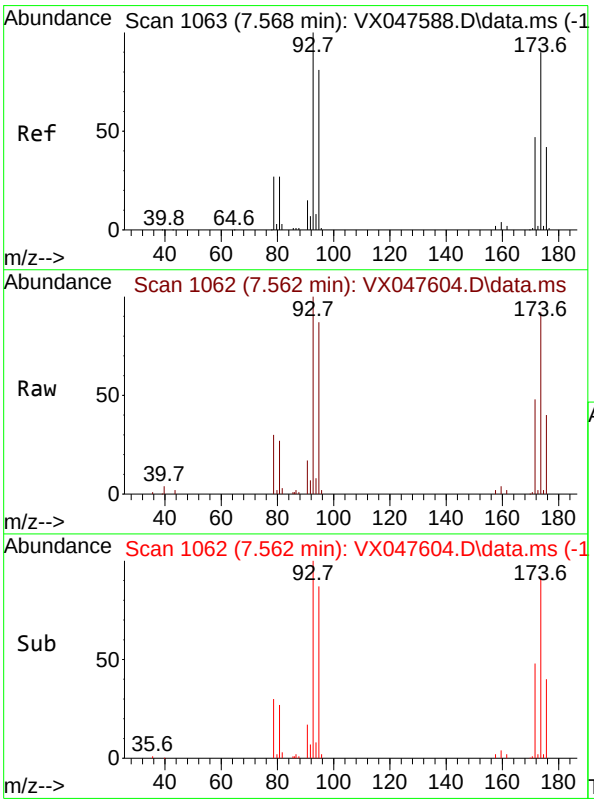
Ion	Ratio	Lower	Upper
63	100		
65	31.5	24.7	37.1



Instrument :
MSVOA_X
ClientSampleId :
VX0917WBS01

Manual Integrations APPROVED

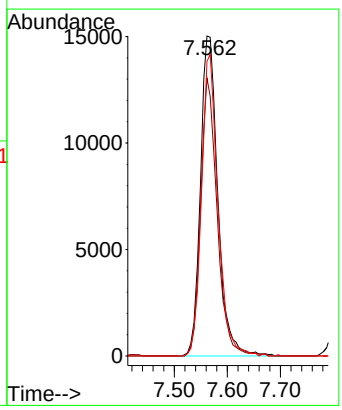
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

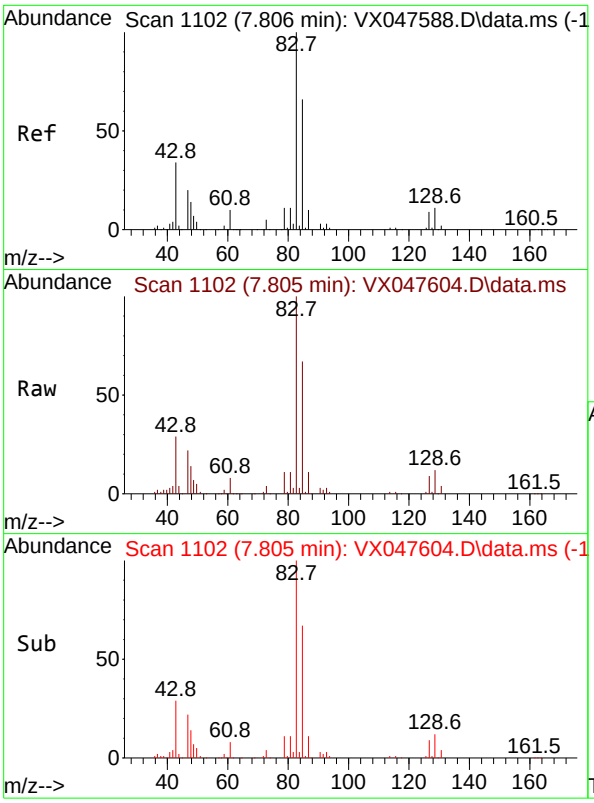


#46
Dibromomethane
Concen: 17.523 ug/l
RT: 7.562 min Scan# 1062
Delta R.T. -0.006 min
Lab File: VX047604.D
Acq: 17 Sep 2025 10:09

Tgt Ion: 93 Resp: 34149

Ion	Ratio	Lower	Upper
93	100		
95	82.6	65.0	97.6
174	89.3	71.6	107.4

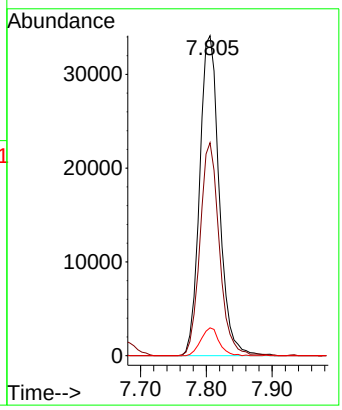




#47
Bromodichloromethane
Concen: 17.523 ug/l
RT: 7.805 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047604.D
Acq: 17 Sep 2025 10:09

Tgt Ion: 83 Resp: 7046

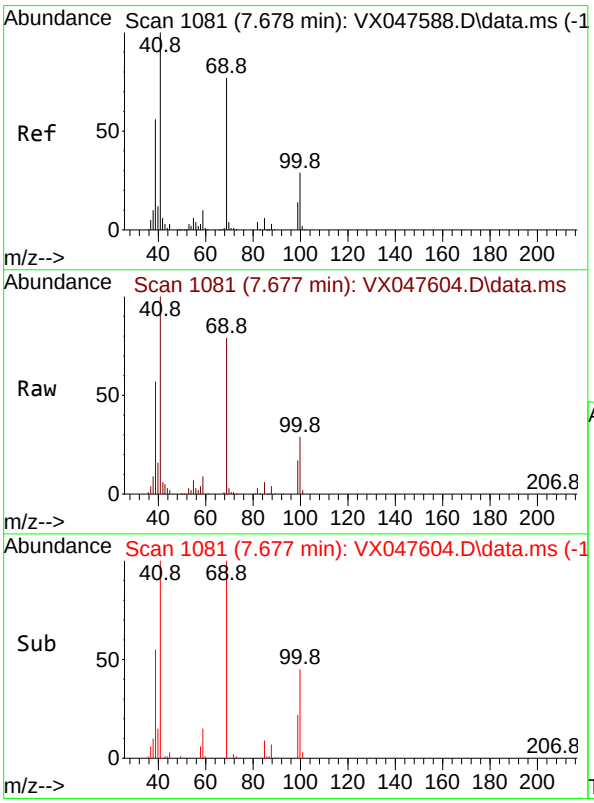
Ion	Ratio	Lower	Upper
83	100		
85	66.6	52.5	78.7
127	8.7	6.9	10.3



Instrument :
MSVOA_X
ClientSampleId :
VX0917WBS01

Manual Integrations APPROVED

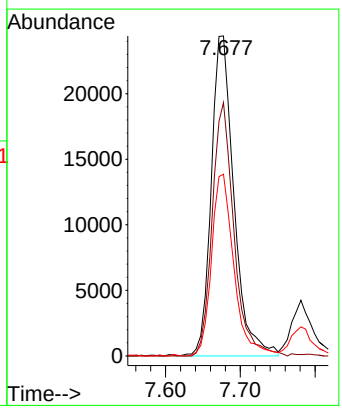
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

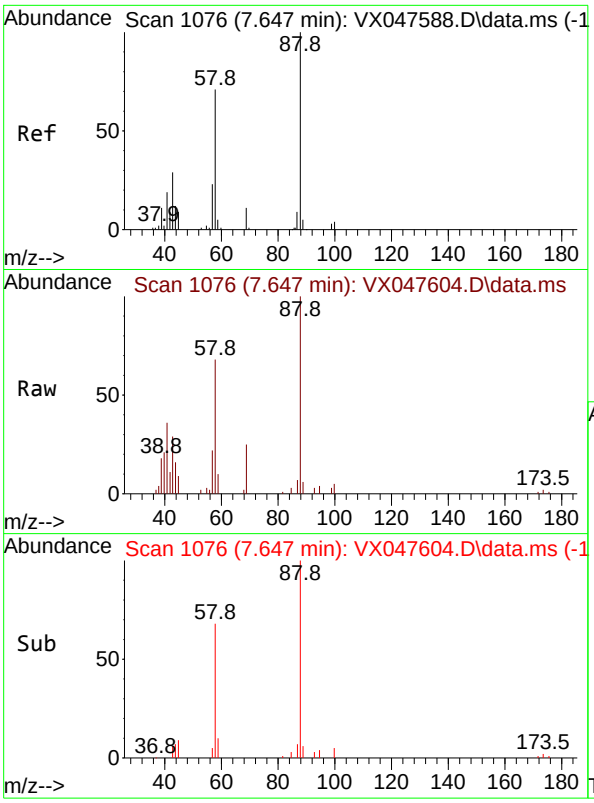


#48
Methyl methacrylate
Concen: 17.137 ug/l
RT: 7.677 min Scan# 1081
Delta R.T. -0.000 min
Lab File: VX047604.D
Acq: 17 Sep 2025 10:09

Tgt Ion: 41 Resp: 51615

Ion	Ratio	Lower	Upper
41	100		
69	75.5	61.4	92.2
39	56.1	45.8	68.6

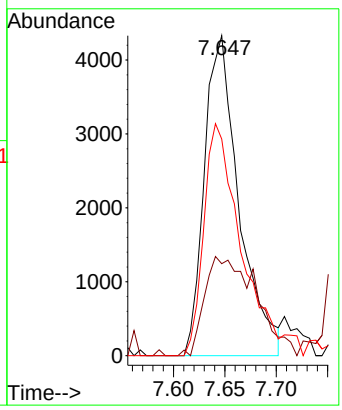




#49
1,4-Dioxane
Concen: 333.385 ug/l
RT: 7.647 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047604.D
Acq: 17 Sep 2025 10:09

Tgt Ion: 88 Resp: 1014

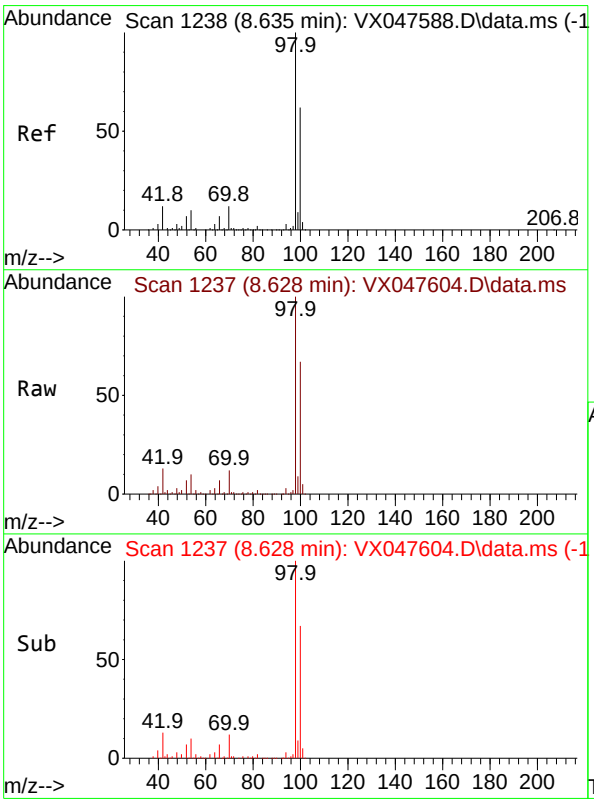
Ion	Ratio	Lower	Upper
88	100		
43	46.2	30.2	45.2
58	79.3	59.5	89.3



Instrument :
MSVOA_X
ClientSampleId :
VX0917WBS01

Manual Integrations APPROVED

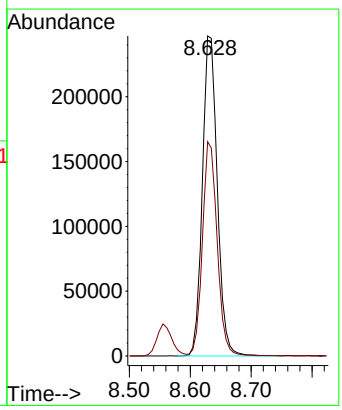
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

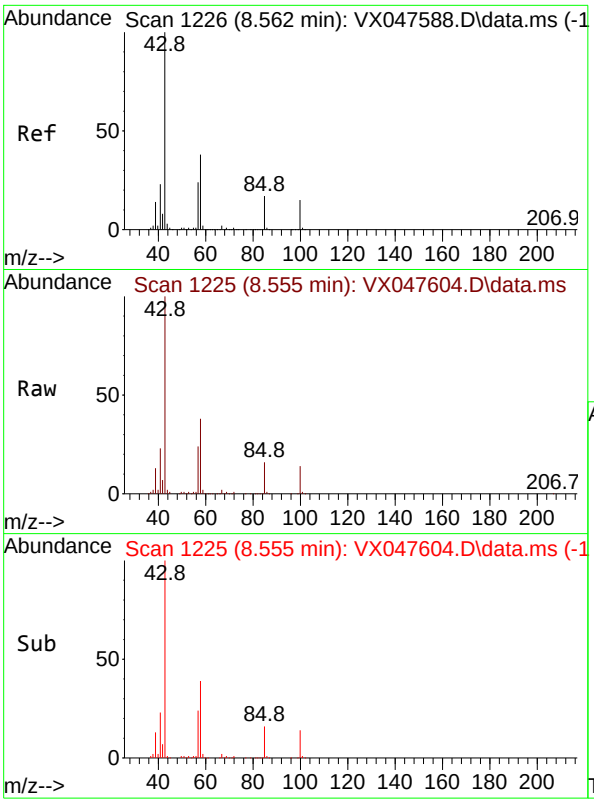


#50
Toluene-d8
Concen: 51.503 ug/l
RT: 8.628 min Scan# 1237
Delta R.T. -0.006 min
Lab File: VX047604.D
Acq: 17 Sep 2025 10:09

Tgt Ion: 98 Resp: 419954

Ion	Ratio	Lower	Upper
98	100		
100	66.0	53.0	79.4

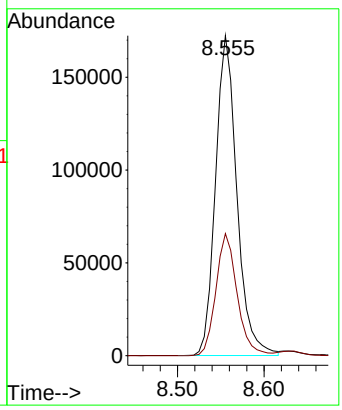




#51
4-Methyl-2-Pentanone
Concen: 87.955 ug/l
RT: 8.555 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047604.D
Acq: 17 Sep 2025 10:09

Tgt Ion: 43 Resp: 29487

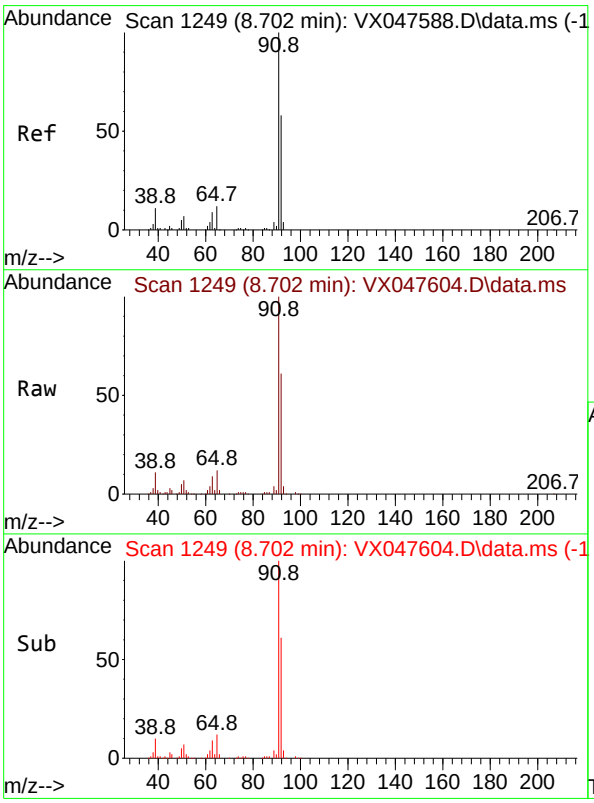
Ion	Ratio	Lower	Upper
43	100		
58	38.0	30.3	45.5



Instrument :
MSVOA_X
ClientSampleId :
VX0917WBS01

Manual Integrations
APPROVED

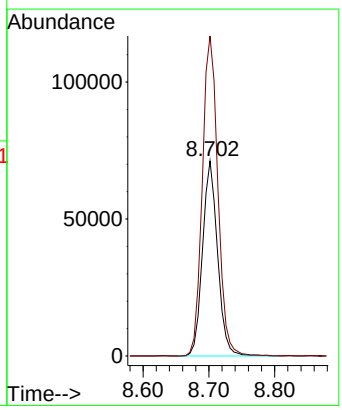
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

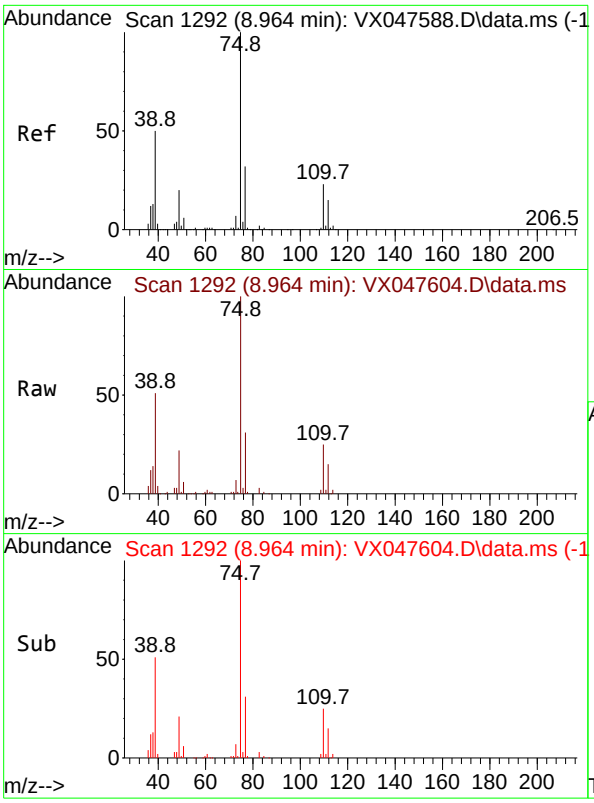


#52
Toluene
Concen: 17.546 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX047604.D
Acq: 17 Sep 2025 10:09

Tgt Ion: 92 Resp: 113060

Ion	Ratio	Lower	Upper
92	100		
91	170.5	137.1	205.7

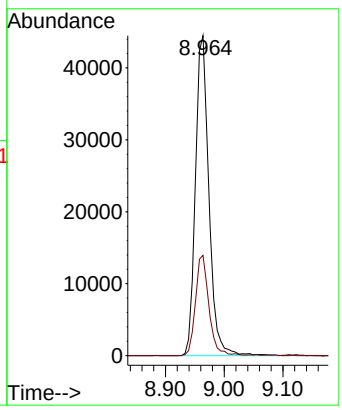




#53
t-1,3-Dichloropropene
Concen: 17.313 ug/l
RT: 8.964 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047604.D
Acq: 17 Sep 2025 10:09

Tgt Ion: 75 Resp: 7101

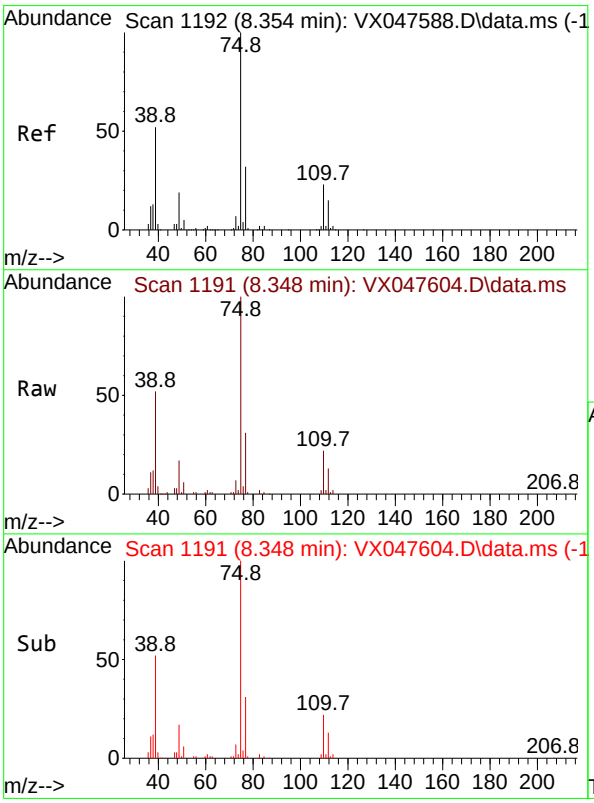
Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.4	38.2



Instrument :
MSVOA_X
ClientSampleId :
VX0917WBS01

Manual Integrations
APPROVED

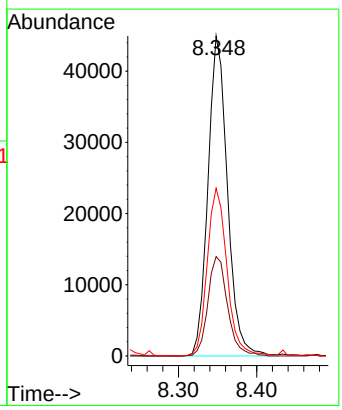
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

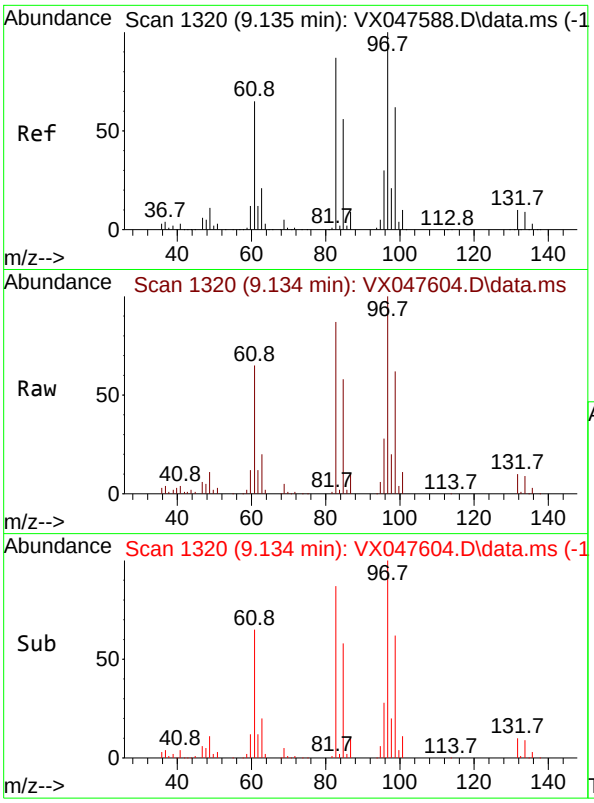


#54
cis-1,3-Dichloropropene
Concen: 17.677 ug/l
RT: 8.348 min Scan# 1191
Delta R.T. -0.006 min
Lab File: VX047604.D
Acq: 17 Sep 2025 10:09

Tgt Ion: 75 Resp: 77501

Ion	Ratio	Lower	Upper
75	100		
77	31.0	25.8	38.6
39	52.0	41.4	62.2

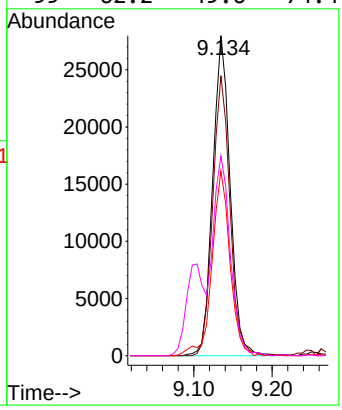




#55
1,1,2-Trichloroethane
Concen: 17.415 ug/l
RT: 9.134 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047604.D
Acq: 17 Sep 2025 10:09

Tgt Ion: 97 Resp: 4326

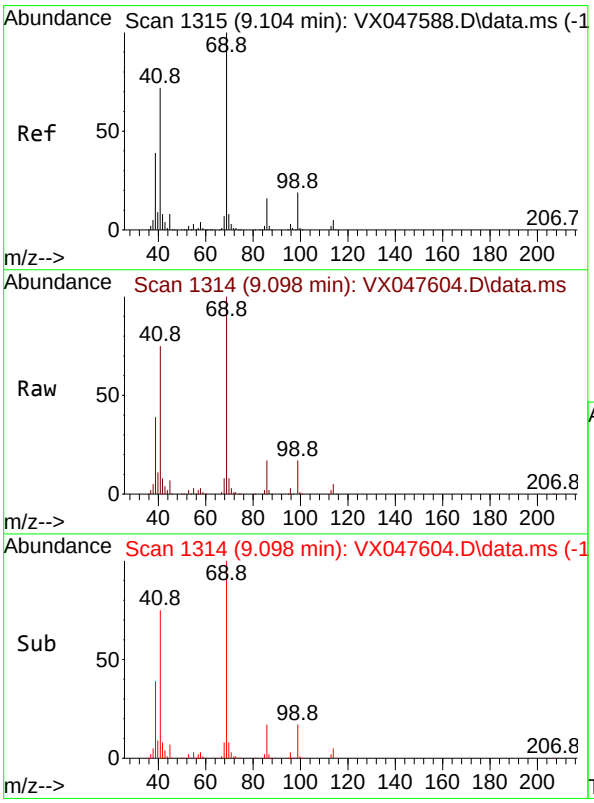
Ion	Ratio	Lower	Upper
97	100		
83	87.5	69.6	104.4
85	57.5	45.0	67.6
99	62.2	49.6	74.4



Instrument :
MSVOA_X
ClientSampleId :
VX0917WBS01

Manual Integrations APPROVED

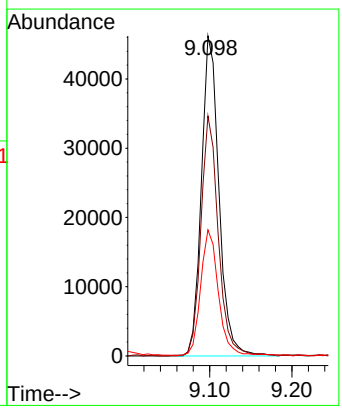
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

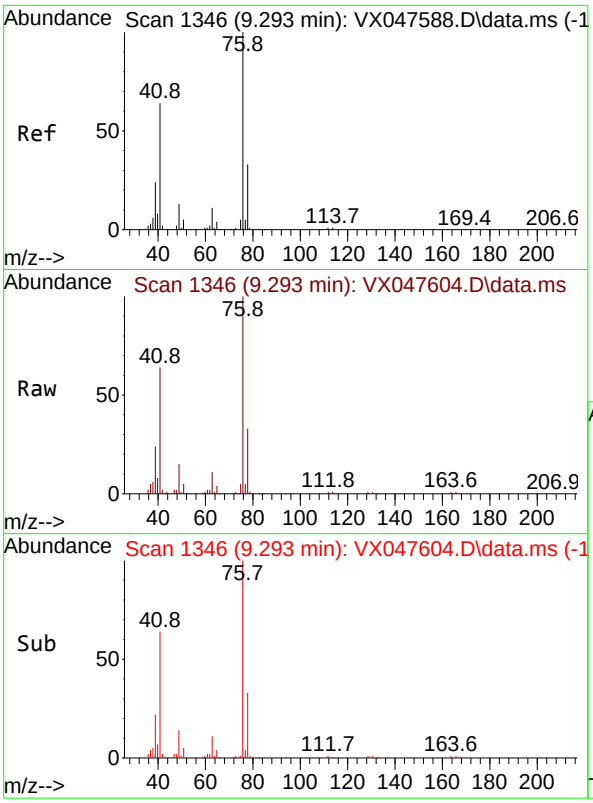


#56
Ethyl methacrylate
Concen: 17.558 ug/l
RT: 9.098 min Scan# 1314
Delta R.T. -0.006 min
Lab File: VX047604.D
Acq: 17 Sep 2025 10:09

Tgt Ion: 69 Resp: 68509

Ion	Ratio	Lower	Upper
69	100		
41	74.6	58.6	87.8
39	40.5	31.5	47.3

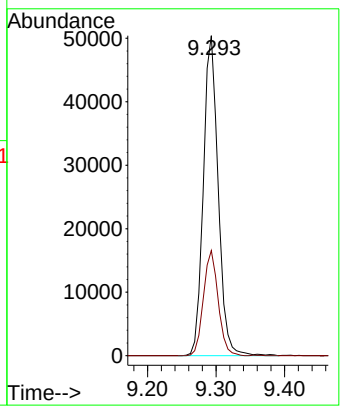




#57
1,3-Dichloropropane
Concen: 17.818 ug/l
RT: 9.293 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047604.D
Acq: 17 Sep 2025 10:09

Tgt Ion: 76 Resp: 7604

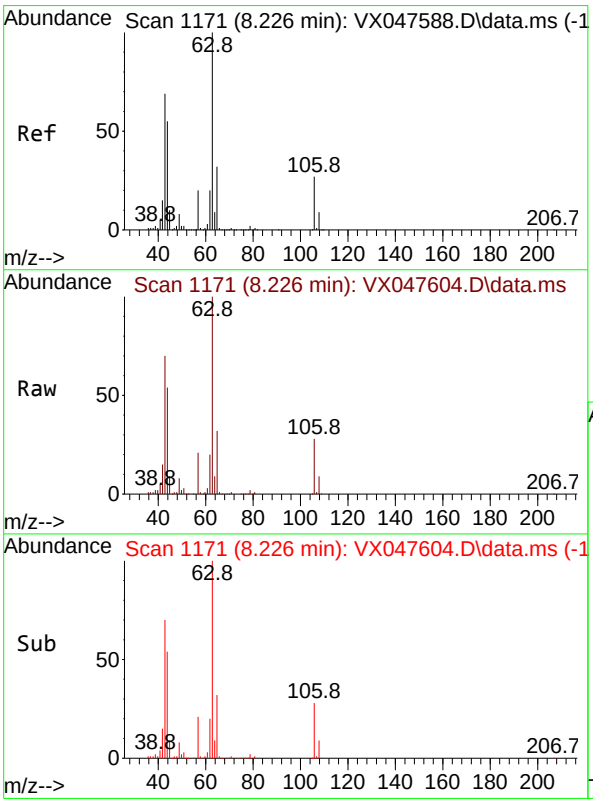
Ion	Ratio	Lower	Upper
76	100		
78	32.6	26.2	39.4



Instrument :
MSVOA_X
ClientSampleId :
VX0917WBS01

Manual Integrations
APPROVED

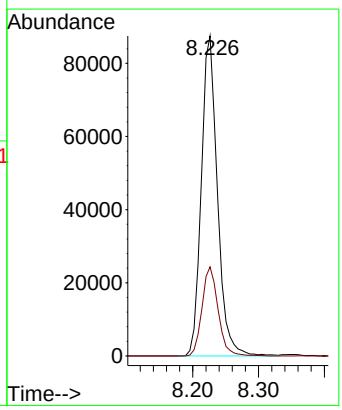
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

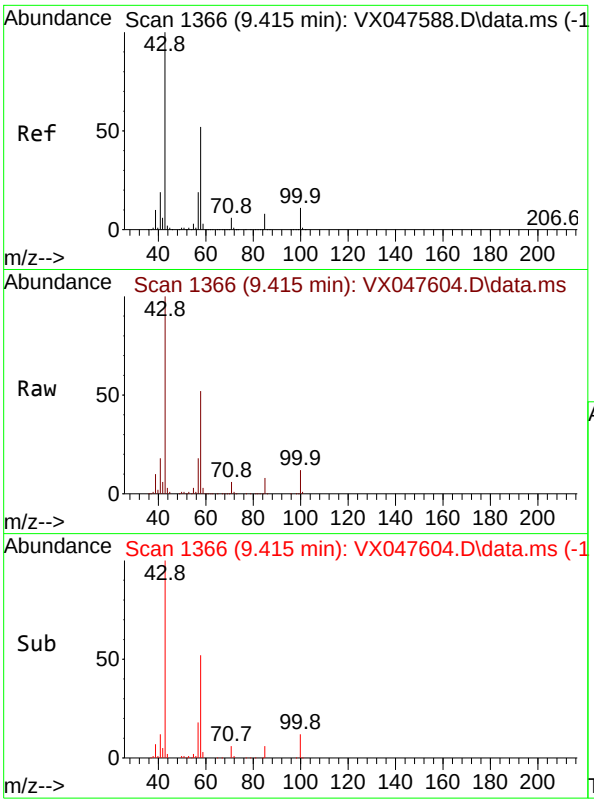


#58
2-Chloroethyl Vinyl ether
Concen: 87.394 ug/l
RT: 8.226 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VX047604.D
Acq: 17 Sep 2025 10:09

Tgt Ion: 63 Resp: 149215

Ion	Ratio	Lower	Upper
63	100		
106	27.8	21.9	32.9

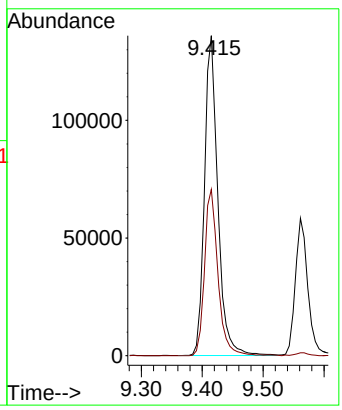




#59
2-Hexanone
Concen: 85.844 ug/l
RT: 9.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047604.D
Acq: 17 Sep 2025 10:09

Tgt Ion: 43 Resp: 20670

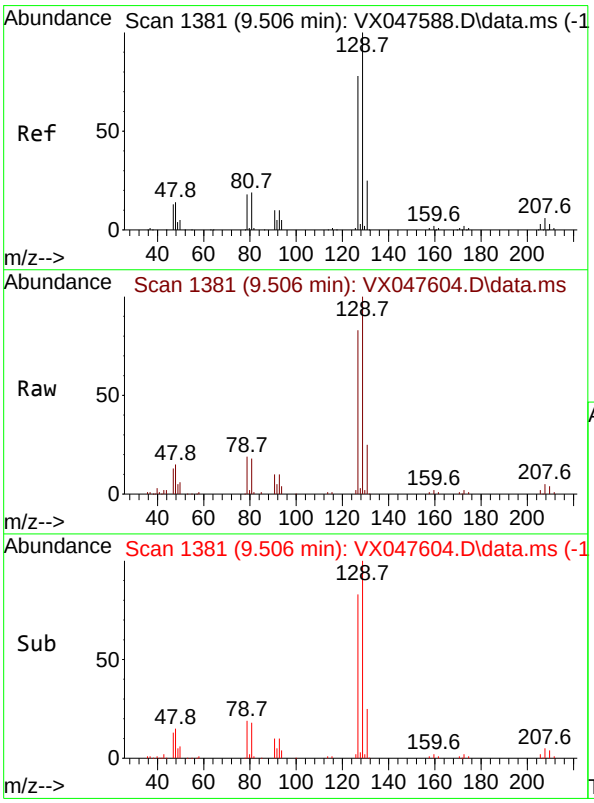
Ion	Ratio	Lower	Upper
43	100		
58	52.5	26.1	78.2



Instrument :
MSVOA_X
ClientSampleId :
VX0917WBS01

Manual Integrations
APPROVED

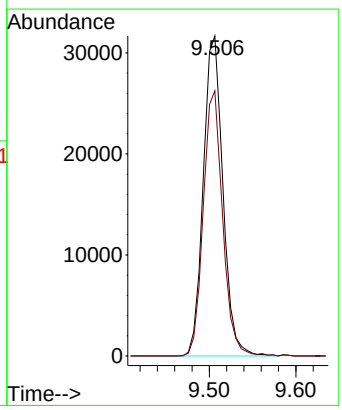
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

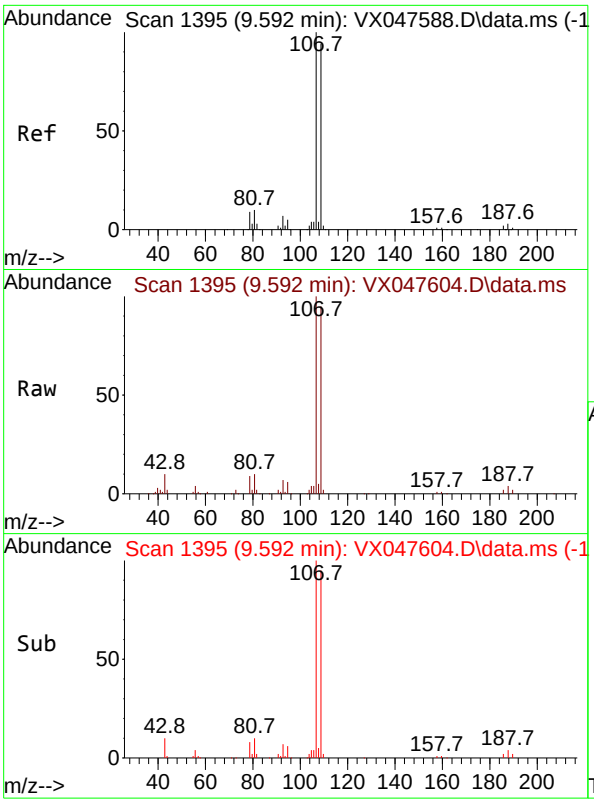


#60
Dibromochloromethane
Concen: 17.356 ug/l
RT: 9.506 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VX047604.D
Acq: 17 Sep 2025 10:09

Tgt Ion:129 Resp: 49688

Ion	Ratio	Lower	Upper
129	100		
127	82.0	38.4	115.2

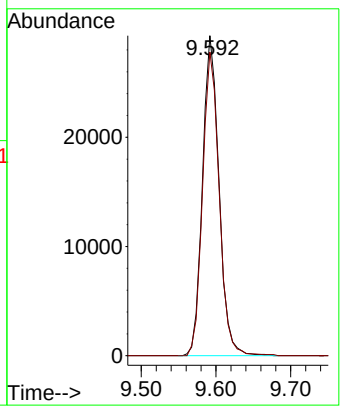




#61
1,2-Dibromoethane
Concen: 17.748 ug/l
RT: 9.592 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047604.D
Acq: 17 Sep 2025 10:09

Tgt Ion:107 Resp: 4491

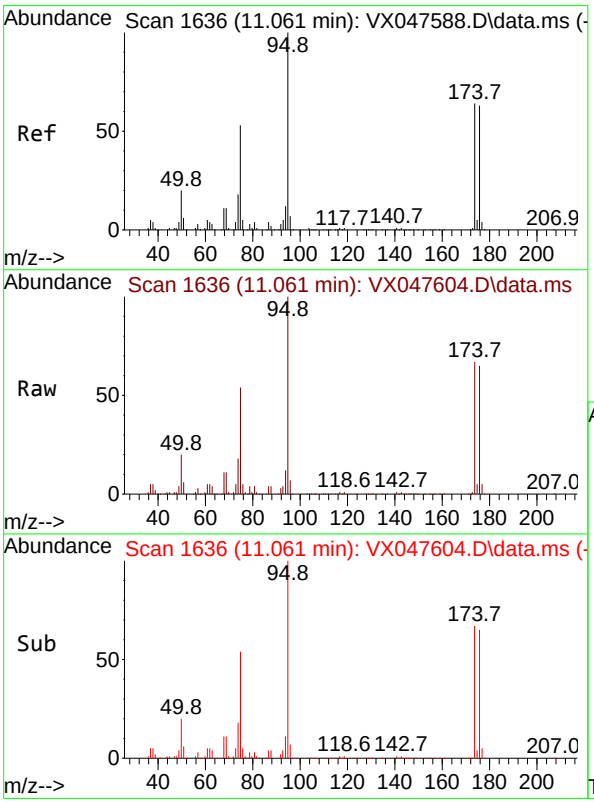
Ion	Ratio	Lower	Upper
107	100		
109	95.7	75.3	112.9



Instrument :
MSVOA_X
ClientSampleId :
VX0917WBS01

Manual Integrations APPROVED

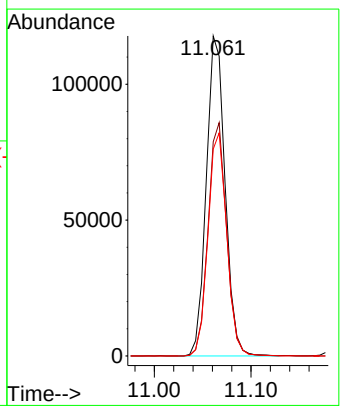
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

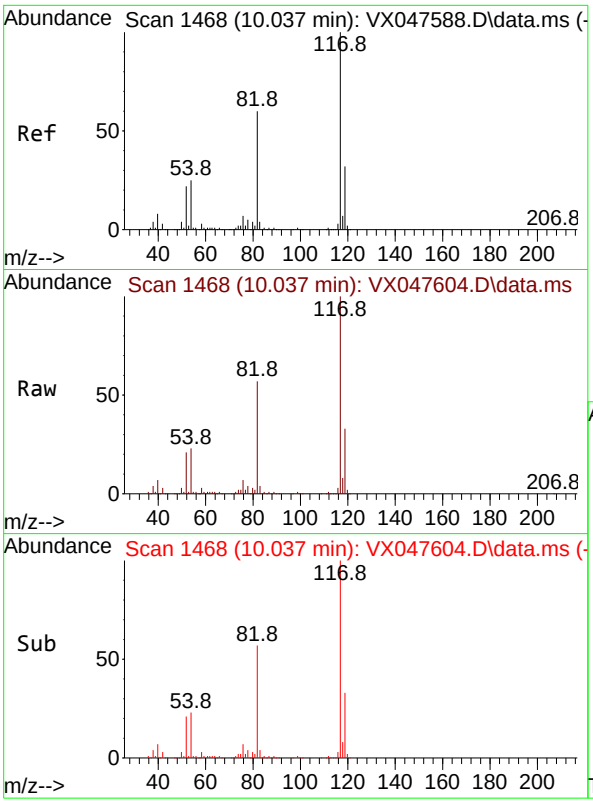


#62
4-Bromofluorobenzene
Concen: 51.358 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX047604.D
Acq: 17 Sep 2025 10:09

Tgt Ion: 95 Resp: 158932

Ion	Ratio	Lower	Upper
95	100		
174	72.1	0.0	141.6
176	69.6	0.0	138.4

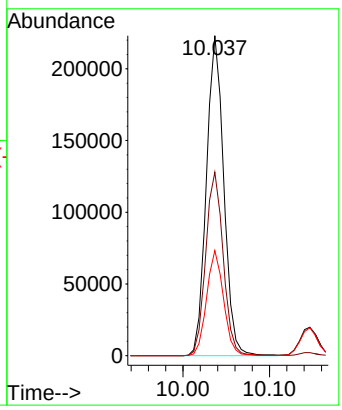




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047604.D
Acq: 17 Sep 2025 10:09

Tgt Ion:117 Resp: 31144

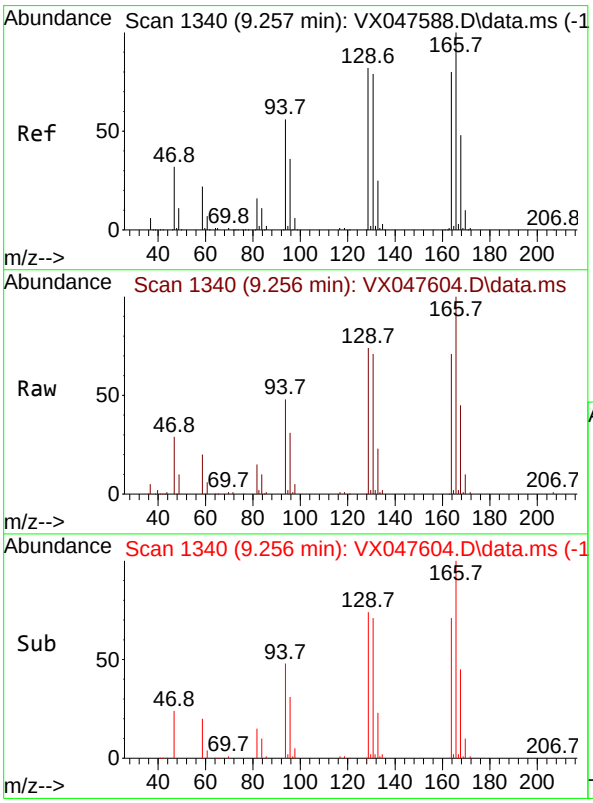
Ion	Ratio	Lower	Upper
117	100		
82	57.4	47.8	71.6
119	32.9	25.2	37.8



Instrument :
MSVOA_X
ClientSampleId :
VX0917WBS01

Manual Integrations APPROVED

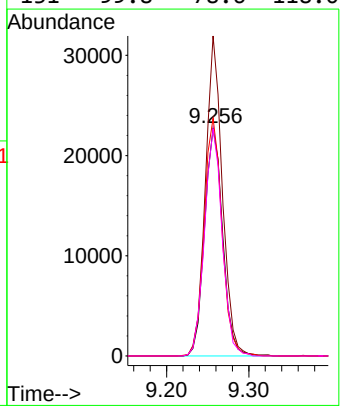
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

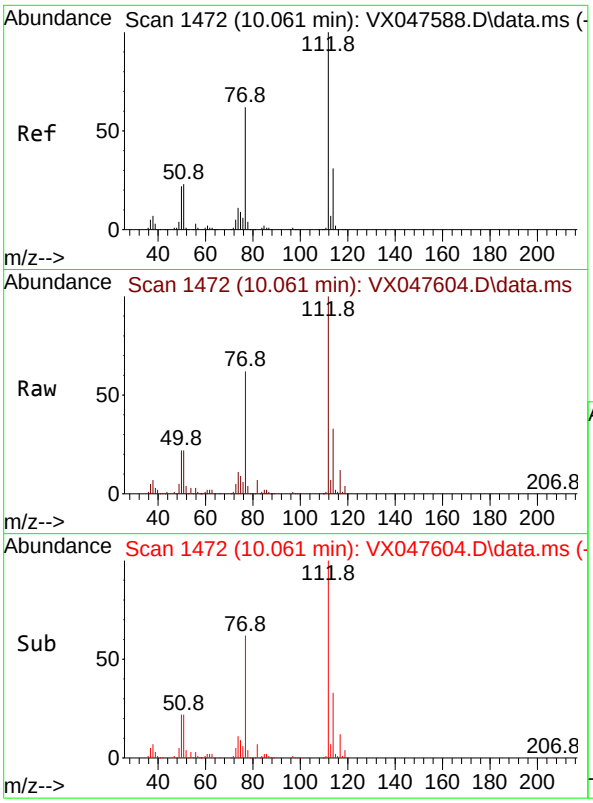


#64
Tetrachloroethene
Concen: 17.139 ug/l
RT: 9.256 min Scan# 1340
Delta R.T. -0.000 min
Lab File: VX047604.D
Acq: 17 Sep 2025 10:09

Tgt Ion:164 Resp: 34798

Ion	Ratio	Lower	Upper
164	100		
166	140.6	100.2	150.2
129	104.4	81.8	122.6
131	99.8	78.6	118.0





#65
Chlorobenzene
Concen: 17.543 ug/l
RT: 10.061 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047604.D
Acq: 17 Sep 2025 10:09

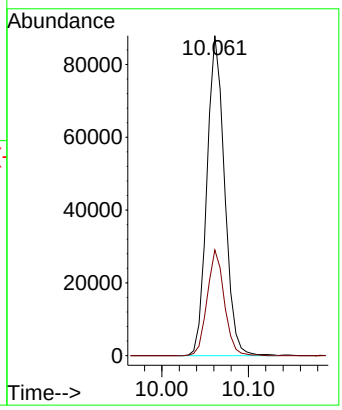
Tgt Ion:112 Resp: 12412

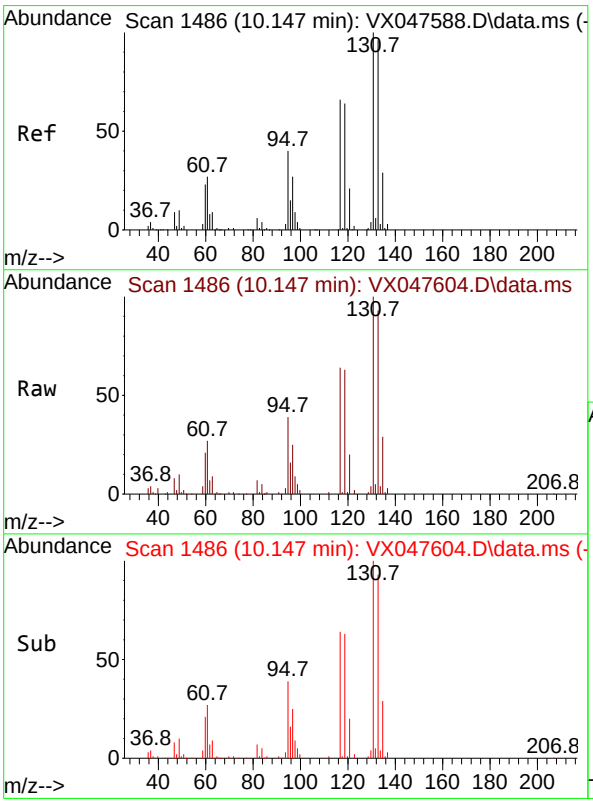
Ion	Ratio	Lower	Upper
112	100		
114	33.1	25.1	37.7

Instrument :
MSVOA_X
ClientSampleId :
VX0917WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

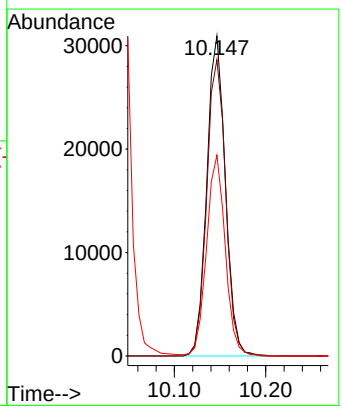


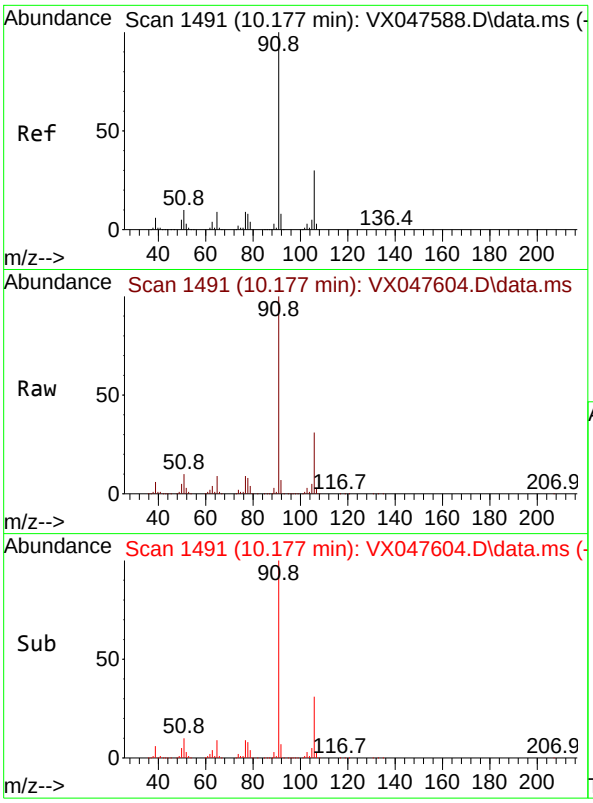


#66
1,1,1,2-Tetrachloroethane
Concen: 17.874 ug/l
RT: 10.147 min Scan# 1486
Delta R.T. -0.000 min
Lab File: VX047604.D
Acq: 17 Sep 2025 10:09

Tgt Ion:131 Resp: 43641

Ion	Ratio	Lower	Upper
131	100		
133	94.3	47.3	142.0
119	63.1	32.0	96.0

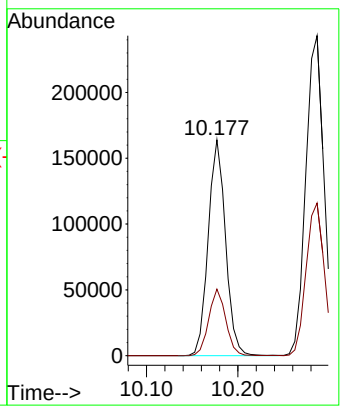




#67
Ethyl Benzene
Concen: 17.686 ug/l
RT: 10.177 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047604.D
Acq: 17 Sep 2025 10:09

Tgt Ion: 91 Resp: 21591

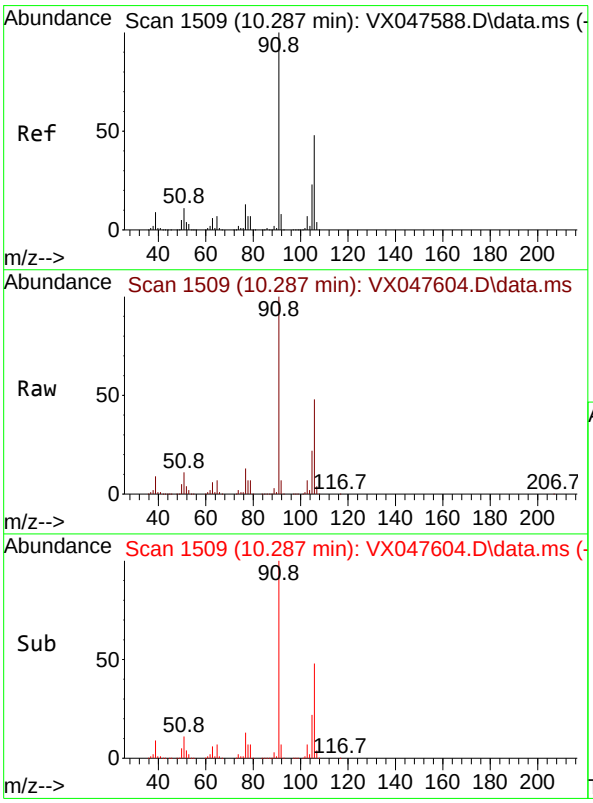
Ion	Ratio	Lower	Upper
91	100		
106	30.9	24.3	36.5



Instrument :
MSVOA_X
ClientSampleId :
VX0917WBS01

Manual Integrations
APPROVED

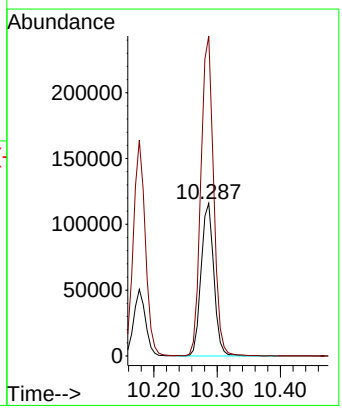
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

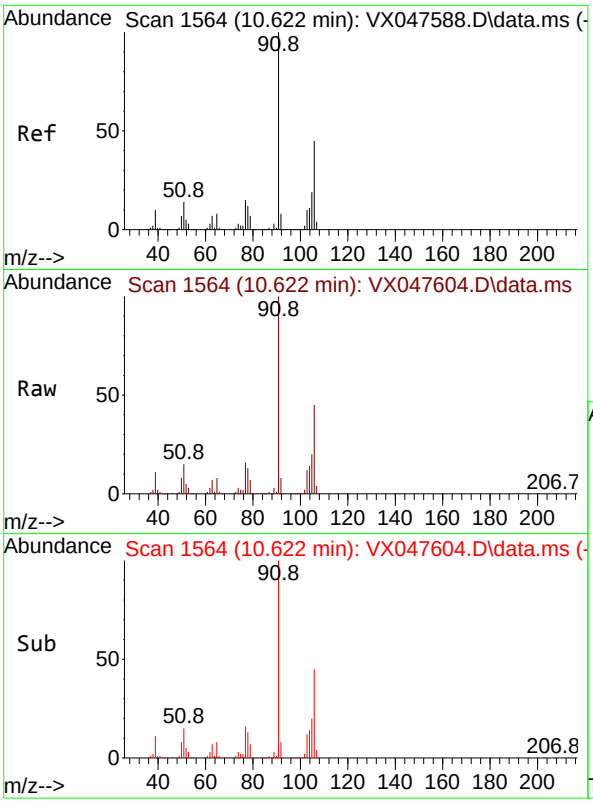


#68
m/p-Xylenes
Concen: 35.810 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VX047604.D
Acq: 17 Sep 2025 10:09

Tgt Ion:106 Resp: 162720

Ion	Ratio	Lower	Upper
106	100		
91	209.7	167.8	251.8





#69
o-Xylene
Concen: 18.001 ug/l
RT: 10.622 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047604.D
Acq: 17 Sep 2025 10:09

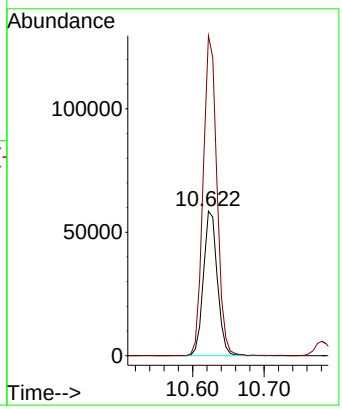
Tgt Ion:106 Resp: 7911

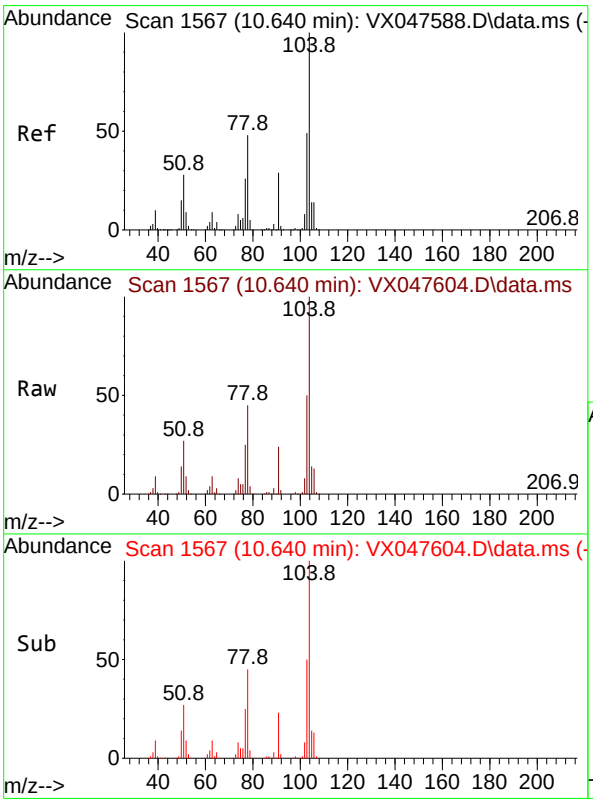
Ion	Ratio	Lower	Upper
106	100		
91	219.6	111.1	333.4

Instrument :
MSVOA_X
ClientSampleId :
VX0917WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

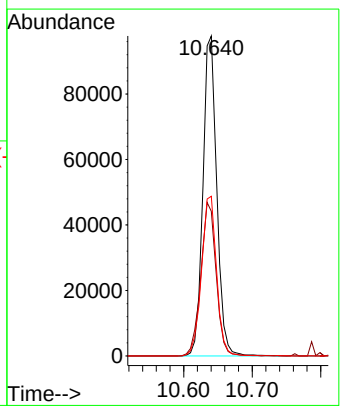


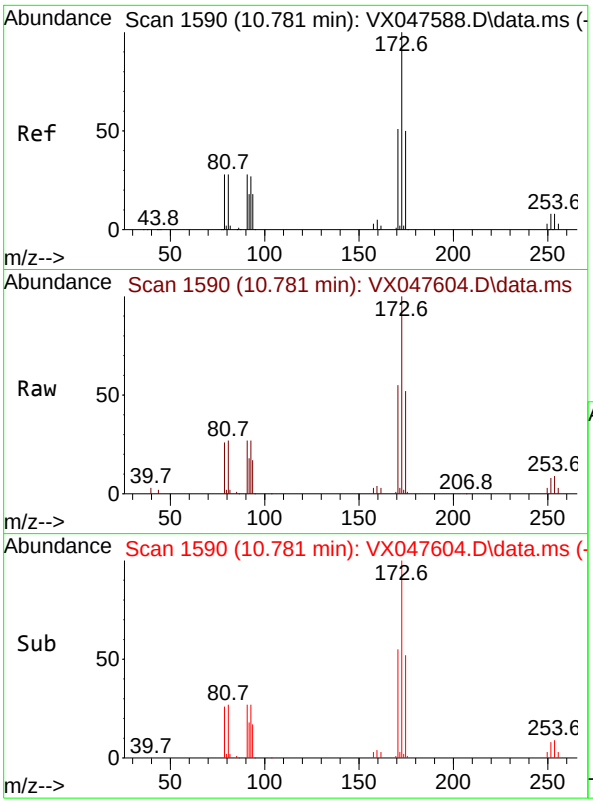


#70
Styrene
Concen: 17.863 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX047604.D
Acq: 17 Sep 2025 10:09

Tgt Ion:104 Resp: 137562

Ion	Ratio	Lower	Upper
104	100		
78	53.1	43.1	64.7
103	54.3	43.1	64.7

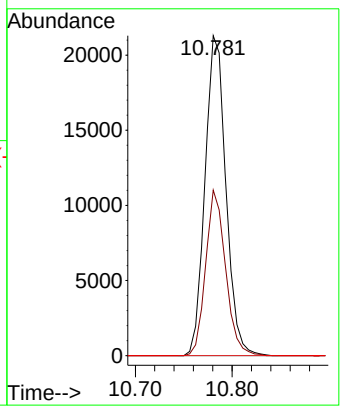




#71
Bromoform
Concen: 17.551 ug/l
RT: 10.781 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047604.D
Acq: 17 Sep 2025 10:09

Tgt Ion:173 Resp: 3199

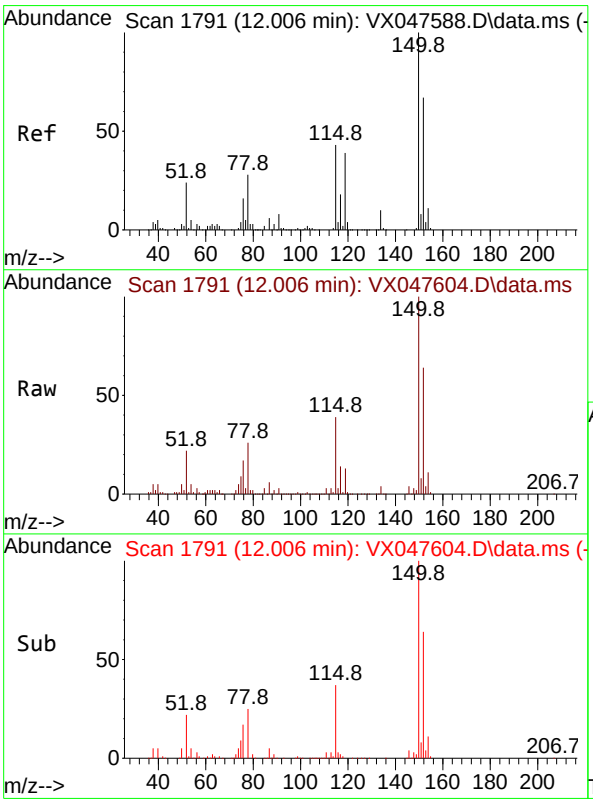
Ion	Ratio	Lower	Upper
173	100		
175	49.3	24.9	74.6
254	0.0	0.1	0.1



Instrument :
MSVOA_X
ClientSampleId :
VX0917WBS01

Manual Integrations APPROVED

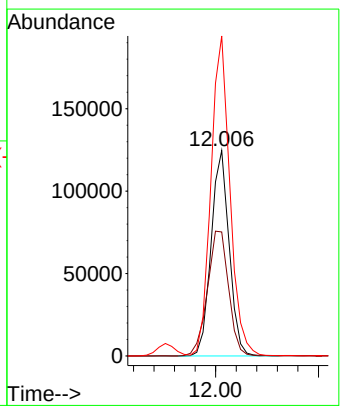
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

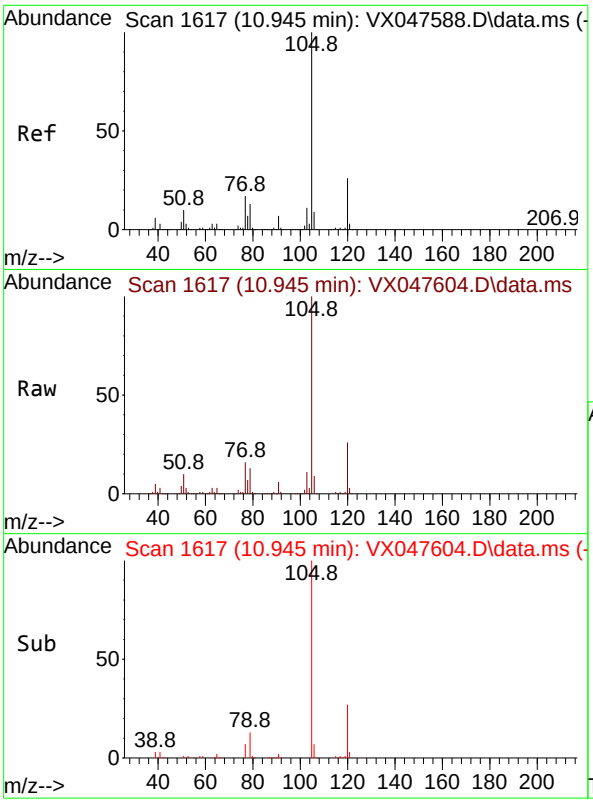


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047604.D
Acq: 17 Sep 2025 10:09

Tgt Ion:152 Resp: 151595

Ion	Ratio	Lower	Upper
152	100		
115	71.4	44.9	134.5
150	163.4	0.0	352.0

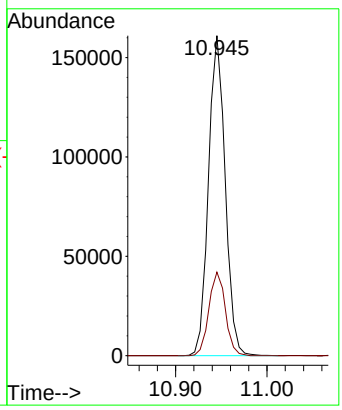




#73
Isopropylbenzene
Concen: 17.719 ug/l
RT: 10.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047604.D
Acq: 17 Sep 2025 10:09

Tgt Ion:105 Resp: 20421

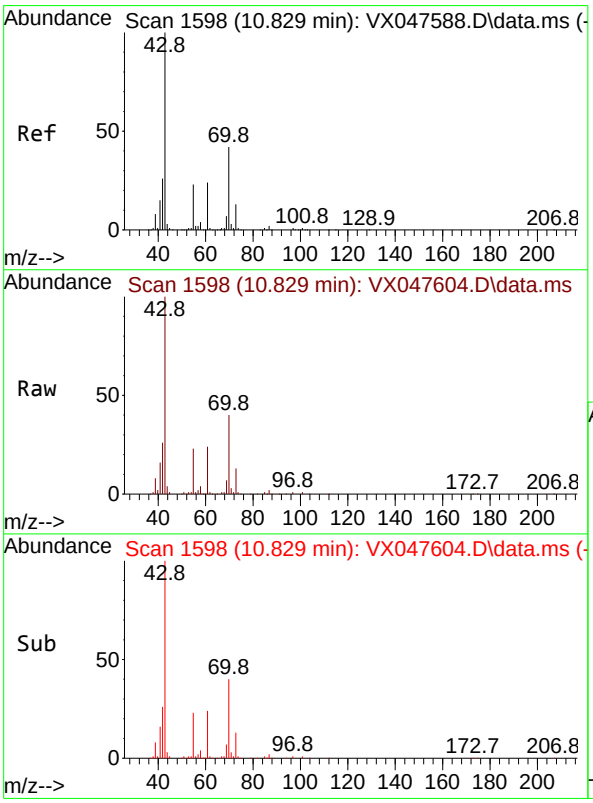
Ion	Ratio	Lower	Upper
105	100		
120	25.8	12.8	38.4



Instrument :
MSVOA_X
ClientSampleId :
VX0917WBS01

Manual Integrations APPROVED

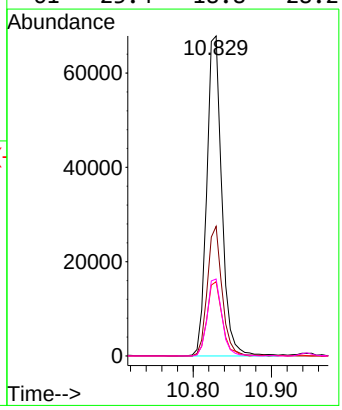
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

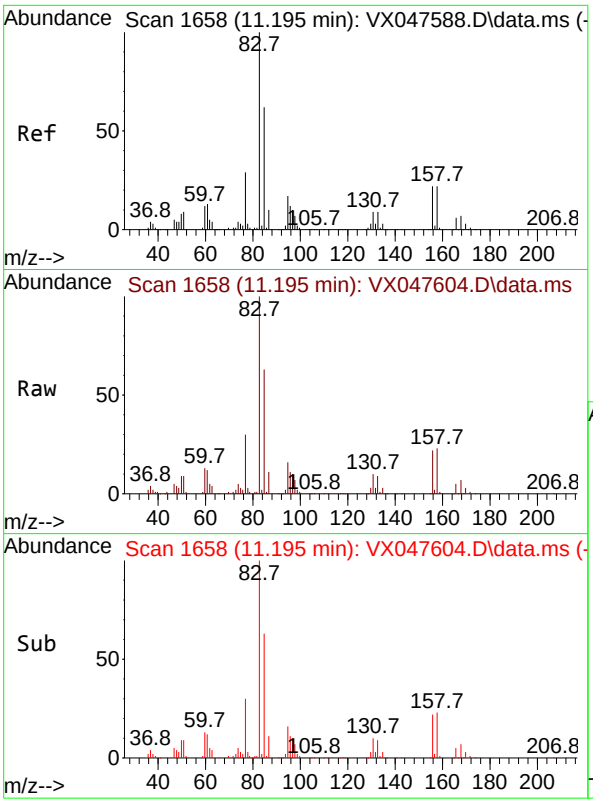


#74
N-amyl acetate
Concen: 17.190 ug/l
RT: 10.829 min Scan# 1598
Delta R.T. -0.000 min
Lab File: VX047604.D
Acq: 17 Sep 2025 10:09

Tgt Ion: 43 Resp: 90344

Ion	Ratio	Lower	Upper
43	100		
70	39.7	32.0	48.0
55	23.3	18.9	28.3
61	23.4	18.8	28.2

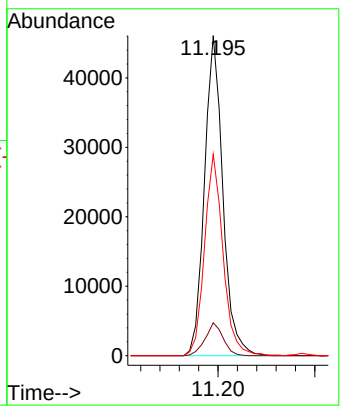




#75
1,1,2,2-Tetrachloroethane
Concen: 17.476 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047604.D
Acq: 17 Sep 2025 10:09

Tgt Ion: 83 Resp: 6093

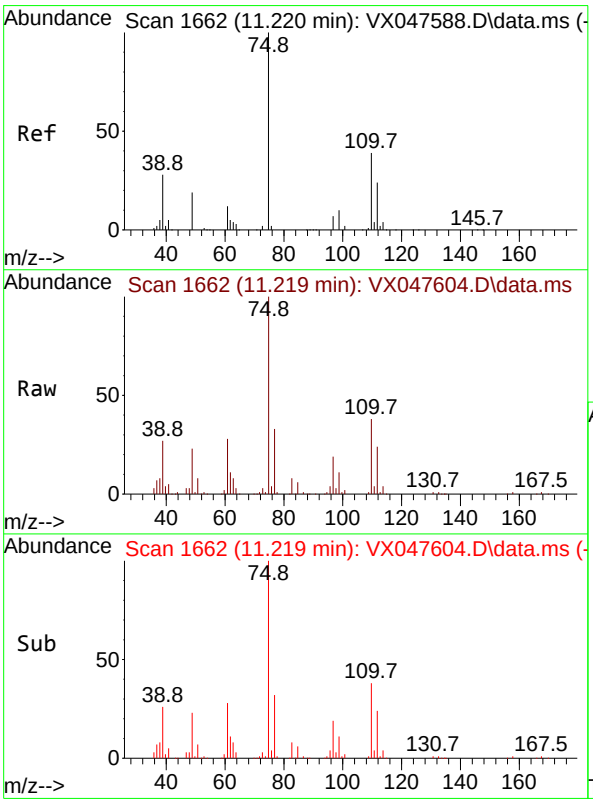
Ion	Ratio	Lower	Upper
83	100		
131	10.0	5.0	14.9
85	63.4	31.6	95.0



Instrument :
MSVOA_X
ClientSampleId :
VX0917WBS01

Manual Integrations
APPROVED

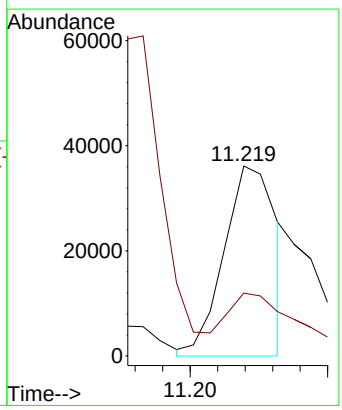
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

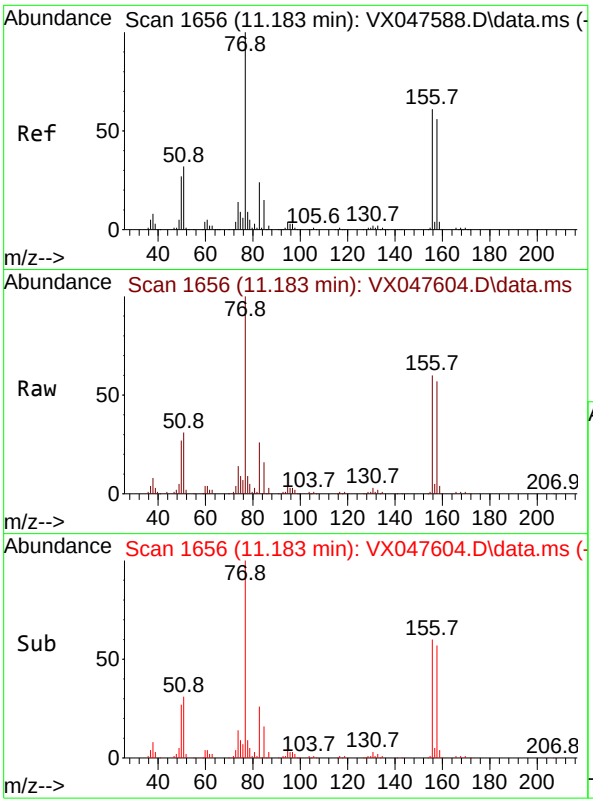


#76
1,2,3-Trichloropropane
Concen: 15.423 ug/l m
RT: 11.219 min Scan# 1662
Delta R.T. -0.000 min
Lab File: VX047604.D
Acq: 17 Sep 2025 10:09

Tgt Ion: 75 Resp: 47337

Ion	Ratio	Lower	Upper
75	100		
77	44.8	18.8	56.4

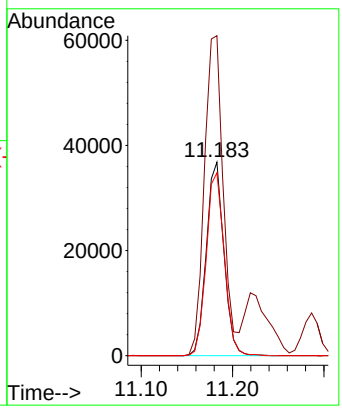




#77
Bromobenzene
Concen: 17.292 ug/l
RT: 11.183 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047604.D
Acq: 17 Sep 2025 10:09

Tgt Ion:156 Resp: 4908

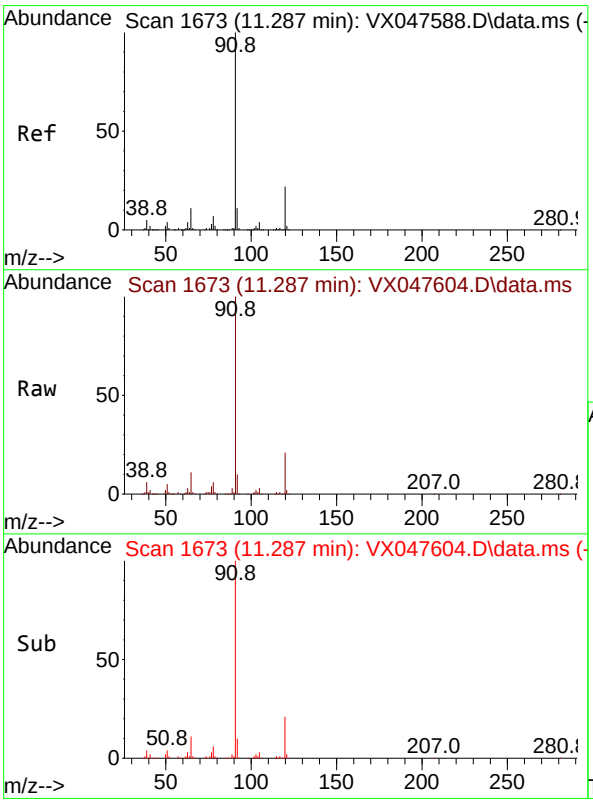
Ion	Ratio	Lower	Upper
156	100		
77	177.6	89.7	269.1
158	97.2	47.9	143.6



Instrument :
MSVOA_X
ClientSampleId :
VX0917WBS01

Manual Integrations
APPROVED

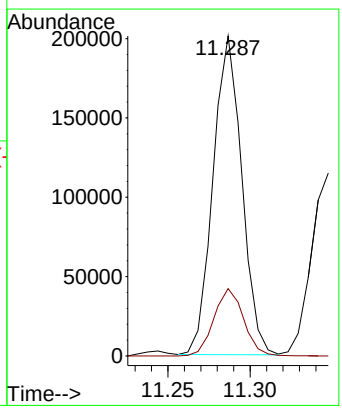
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

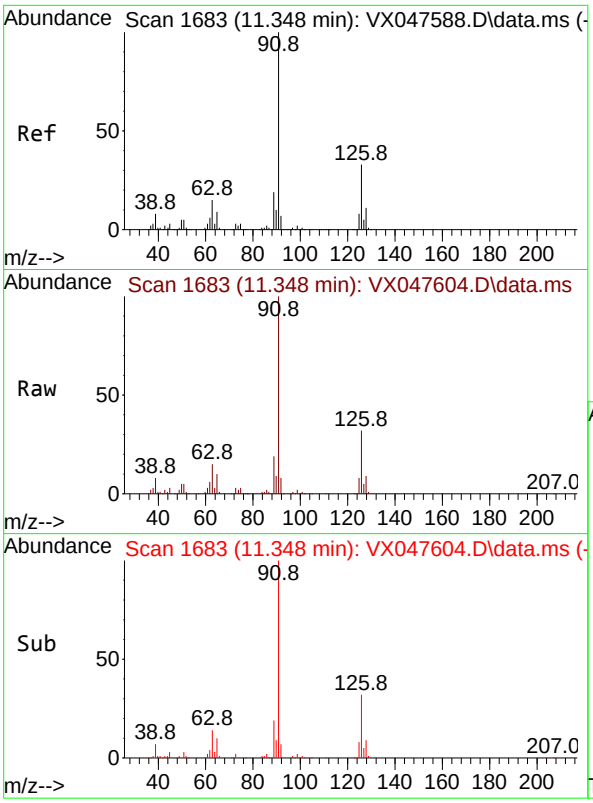


#78
n-propylbenzene
Concen: 17.941 ug/l
RT: 11.287 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX047604.D
Acq: 17 Sep 2025 10:09

Tgt Ion: 91 Resp: 244439

Ion	Ratio	Lower	Upper
91	100		
120	21.8	11.1	33.1





#79
2-Chlorotoluene
Concen: 17.727 ug/l
RT: 11.348 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047604.D
Acq: 17 Sep 2025 10:09

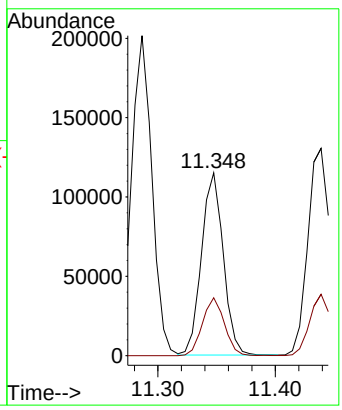
Tgt Ion: 91 Resp: 14792

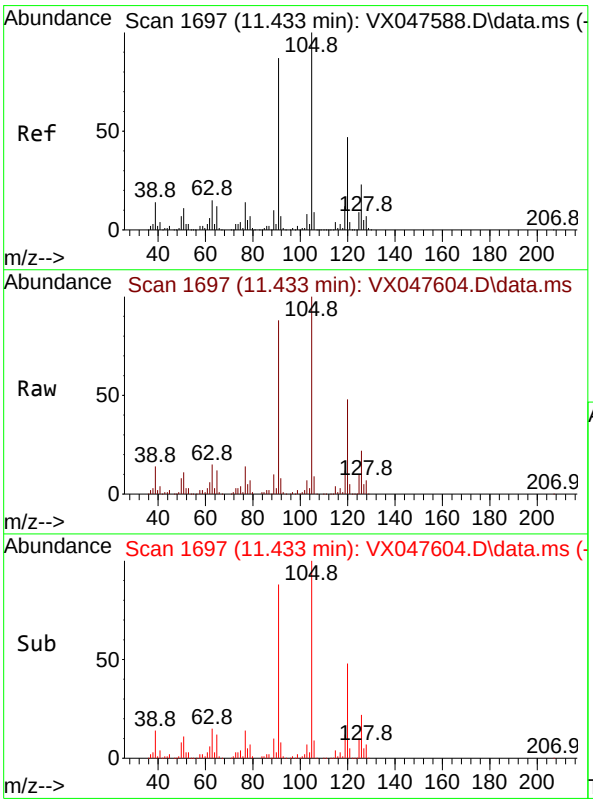
Ion	Ratio	Lower	Upper
91	100		
126	32.1	16.1	48.3

Instrument :
MSVOA_X
ClientSampleId :
VX0917WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

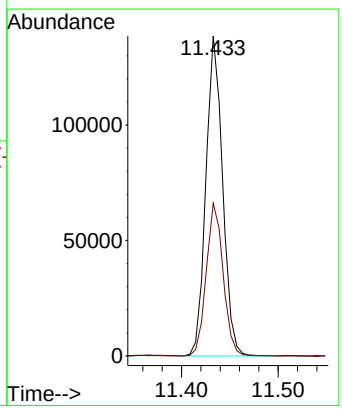


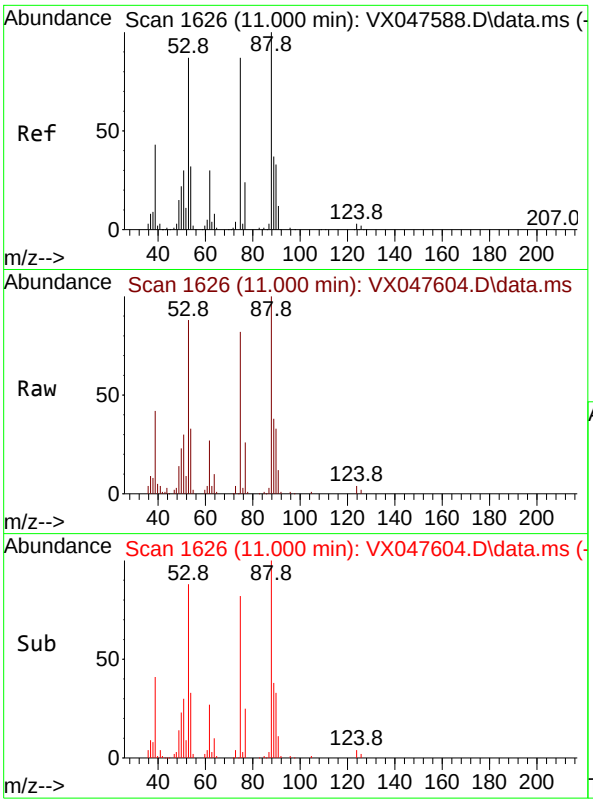


#80
1,3,5-Trimethylbenzene
Concen: 17.556 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX047604.D
Acq: 17 Sep 2025 10:09

Tgt Ion:105 Resp: 166236

Ion	Ratio	Lower	Upper
105	100		
120	48.3	23.6	70.8

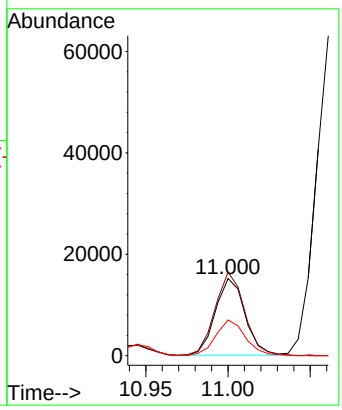




#81
trans-1,4-Dichloro-2-butene
Concen: 15.726 ug/l
RT: 11.000 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047604.D
Acq: 17 Sep 2025 10:09

Tgt Ion: 75 Resp: 1892

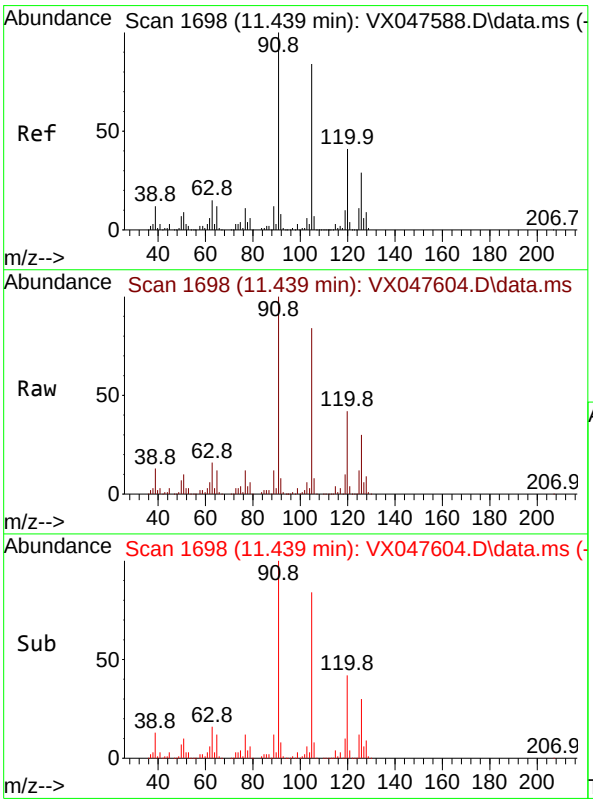
Ion	Ratio	Lower	Upper
75	100		
53	109.6	83.4	125.2
89	46.9	36.3	54.5



Instrument :
MSVOA_X
ClientSampleId :
VX0917WBS01

Manual Integrations
APPROVED

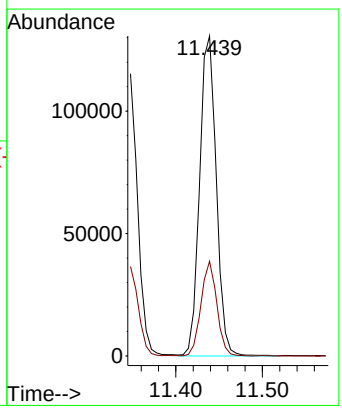
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

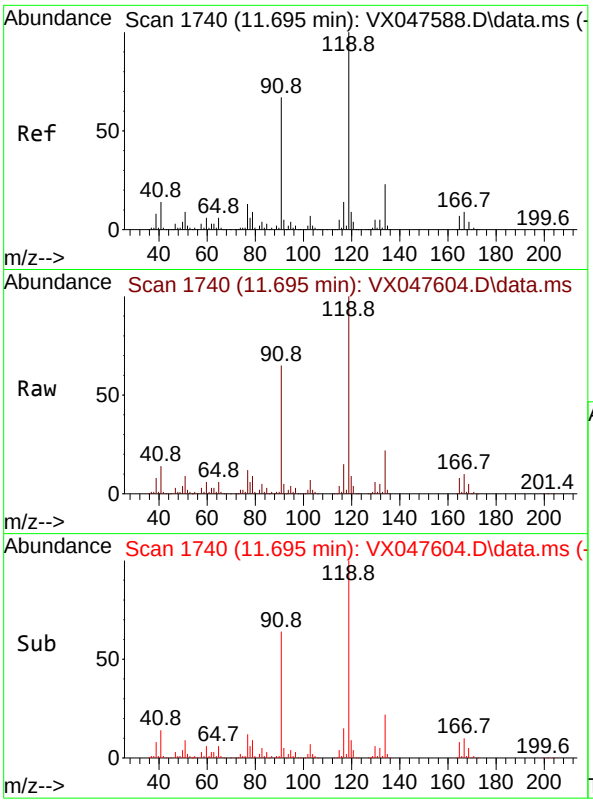


#82
4-Chlorotoluene
Concen: 17.716 ug/l
RT: 11.439 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VX047604.D
Acq: 17 Sep 2025 10:09

Tgt Ion: 91 Resp: 174598

Ion	Ratio	Lower	Upper
91	100		
126	28.1	14.2	42.6

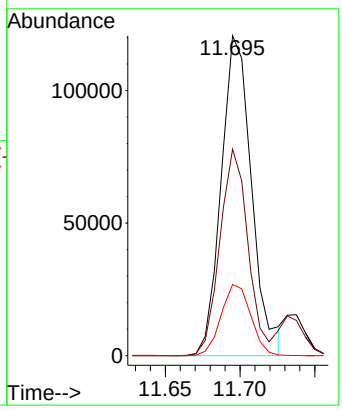




#83
tert-Butylbenzene
Concen: 17.582 ug/l
RT: 11.695 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047604.D
Acq: 17 Sep 2025 10:09

Tgt Ion:119 Resp: 17042

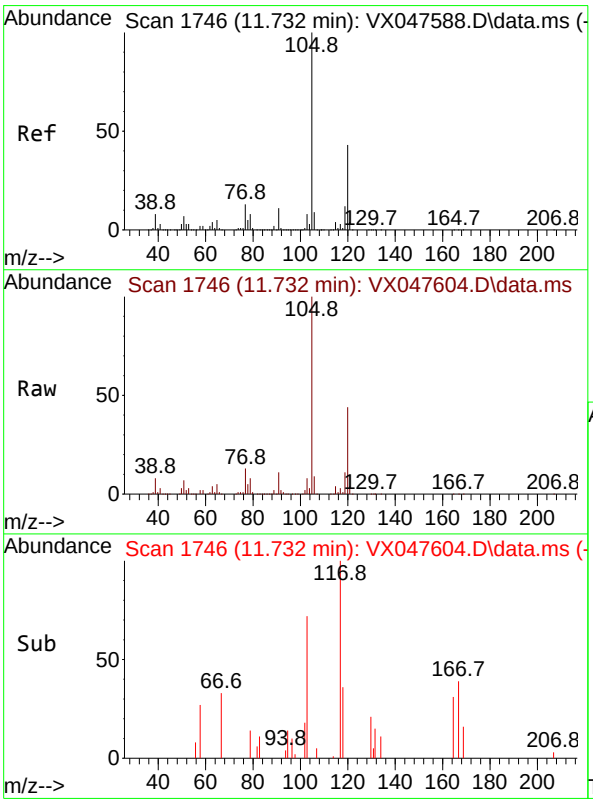
Ion	Ratio	Lower	Upper
119	100		
91	59.8	29.6	88.8
134	21.8	11.0	33.0



Instrument :
MSVOA_X
ClientSampleId :
VX0917WBS01

Manual Integrations APPROVED

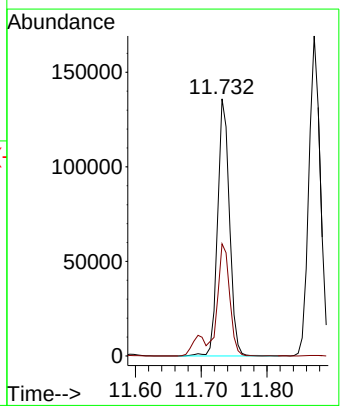
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

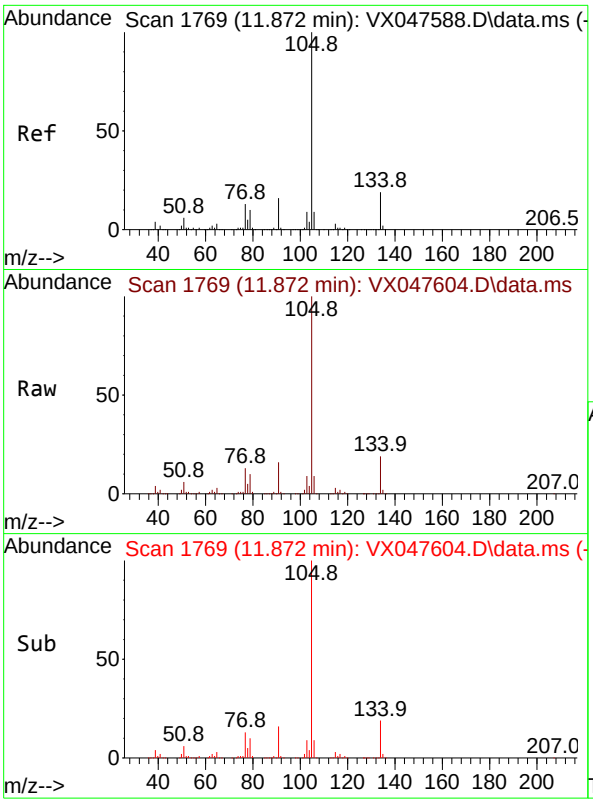


#84
1,2,4-Trimethylbenzene
Concen: 17.725 ug/l
RT: 11.732 min Scan# 1746
Delta R.T. -0.000 min
Lab File: VX047604.D
Acq: 17 Sep 2025 10:09

Tgt Ion:105 Resp: 170162

Ion	Ratio	Lower	Upper
105	100		
120	44.8	22.1	66.1

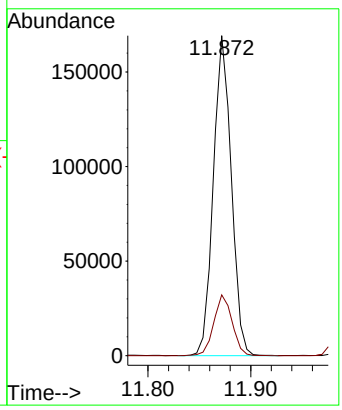




#85
sec-Butylbenzene
Concen: 17.833 ug/l
RT: 11.872 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047604.D
Acq: 17 Sep 2025 10:09

Tgt Ion:105 Resp: 20531

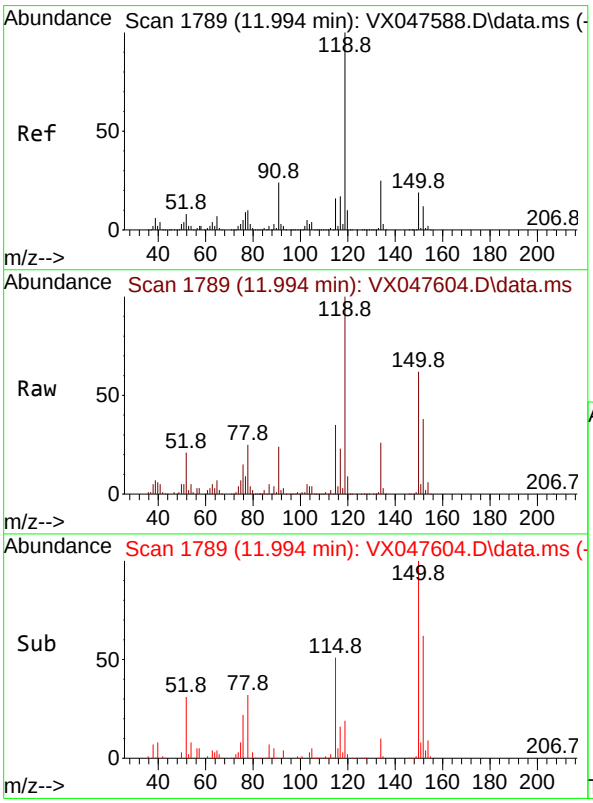
Ion	Ratio	Lower	Upper
105	100		
134	19.4	9.8	29.5



Instrument :
MSVOA_X
ClientSampleId :
VX0917WBS01

Manual Integrations
APPROVED

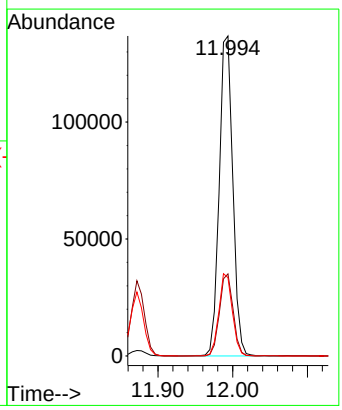
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

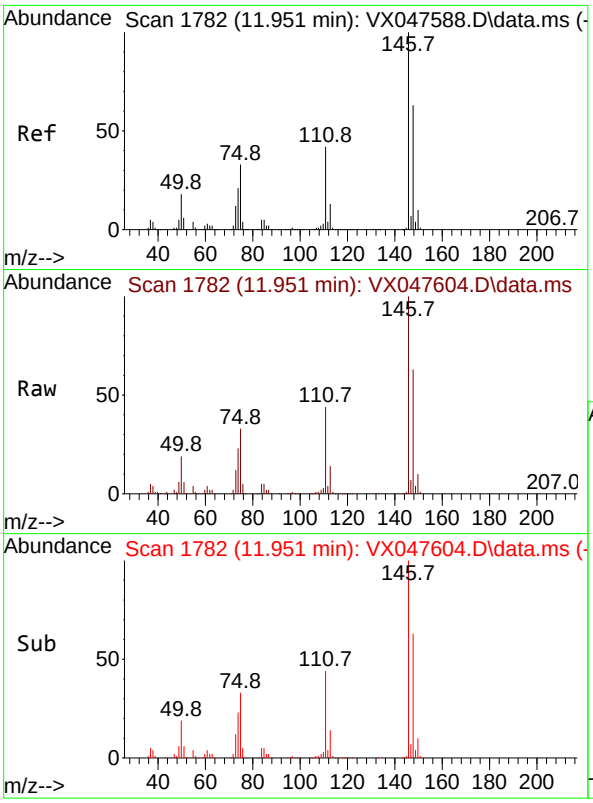


#86
p-Isopropyltoluene
Concen: 17.784 ug/l
RT: 11.994 min Scan# 1789
Delta R.T. -0.000 min
Lab File: VX047604.D
Acq: 17 Sep 2025 10:09

Tgt Ion:119 Resp: 173347

Ion	Ratio	Lower	Upper
119	100		
134	25.7	12.6	37.8
91	25.5	12.6	37.6

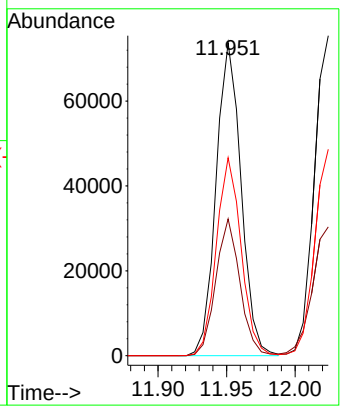




#87
1,3-Dichlorobenzene
Concen: 17.710 ug/l
RT: 11.951 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047604.D
Acq: 17 Sep 2025 10:09

Tgt Ion:146 Resp: 9337

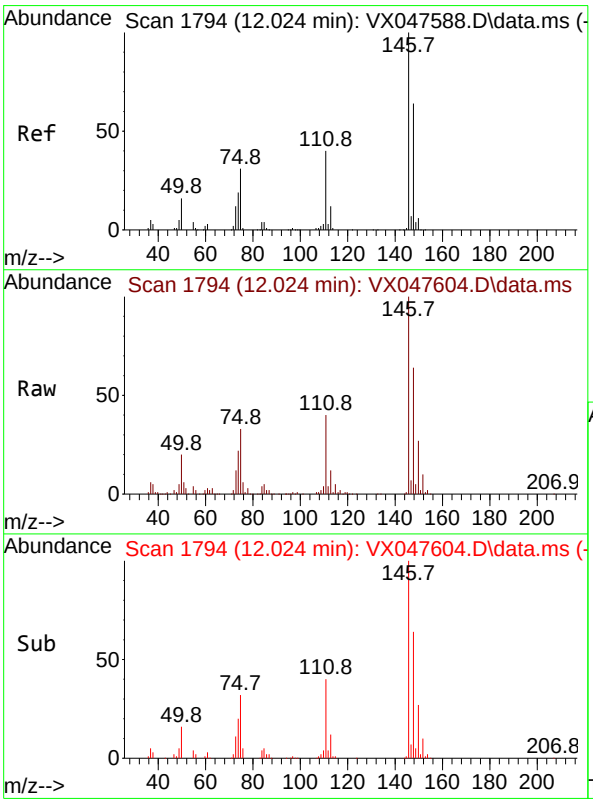
Ion	Ratio	Lower	Upper
146	100		
111	42.4	21.5	64.5
148	62.8	32.0	96.0



Instrument :
MSVOA_X
ClientSampleId :
VX0917WBS01

Manual Integrations
APPROVED

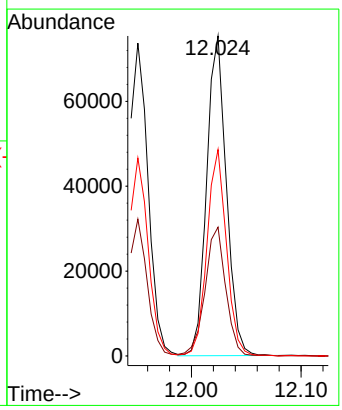
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

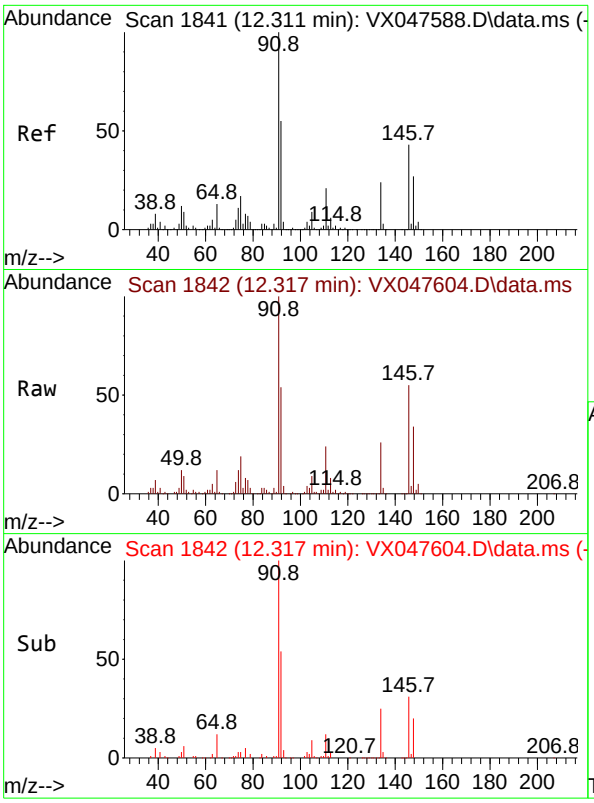


#88
1,4-Dichlorobenzene
Concen: 17.385 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX047604.D
Acq: 17 Sep 2025 10:09

Tgt Ion:146 Resp: 94074

Ion	Ratio	Lower	Upper
146	100		
111	42.3	20.8	62.4
148	63.9	31.7	95.1





#89
n-Butylbenzene
Concen: 17.985 ug/l
RT: 12.317 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047604.D
Acq: 17 Sep 2025 10:09

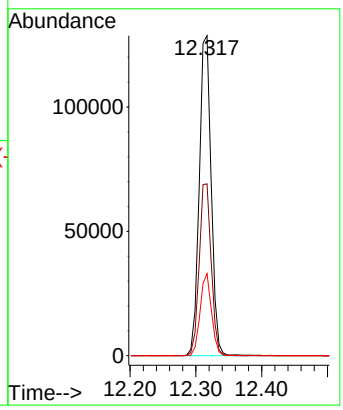
Tgt Ion: 91 Resp: 16221

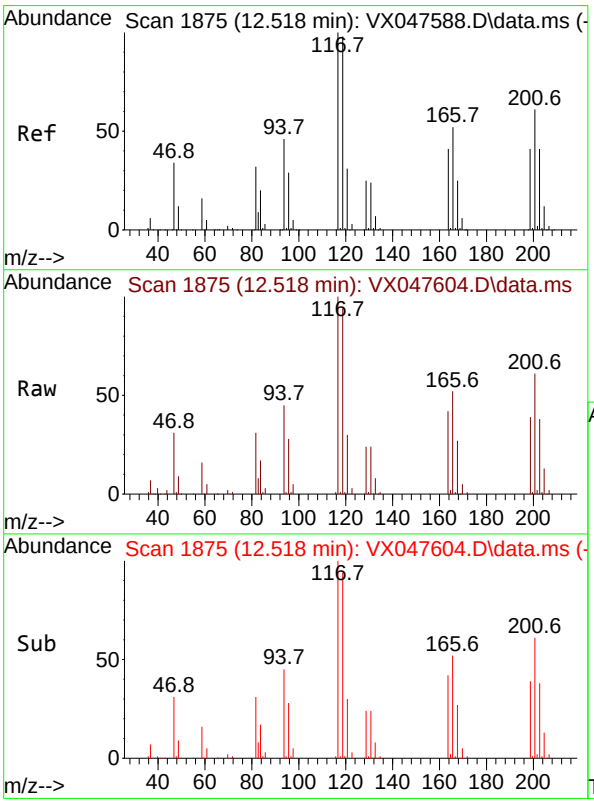
Ion	Ratio	Lower	Upper
91	100		
92	54.0	27.6	82.7
134	24.4	12.6	37.8

Instrument :
MSVOA_X
ClientSampleId :
VX0917WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

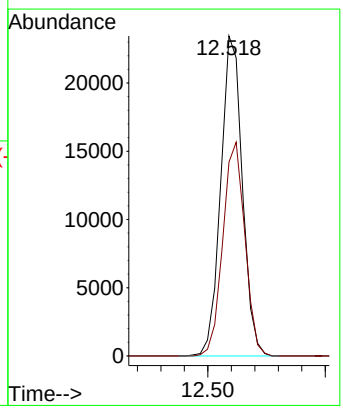


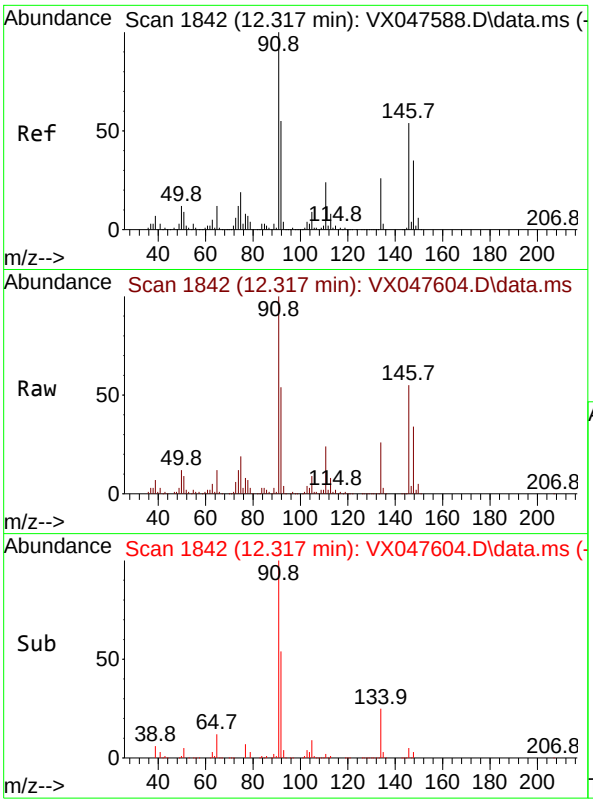


#90
Hexachloroethane
Concen: 17.476 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VX047604.D
Acq: 17 Sep 2025 10:09

Tgt Ion:117 Resp: 29907

Ion	Ratio	Lower	Upper
117	100		
201	68.2	34.2	102.5

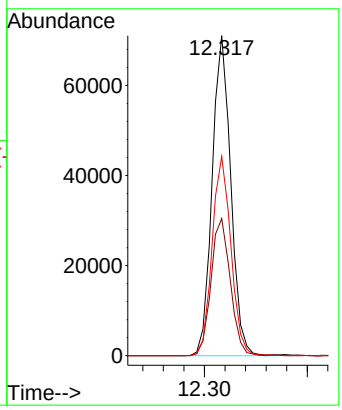




#91
1,2-Dichlorobenzene
Concen: 17.737 ug/l
RT: 12.317 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047604.D
Acq: 17 Sep 2025 10:09

Tgt Ion:146 Resp: 8909

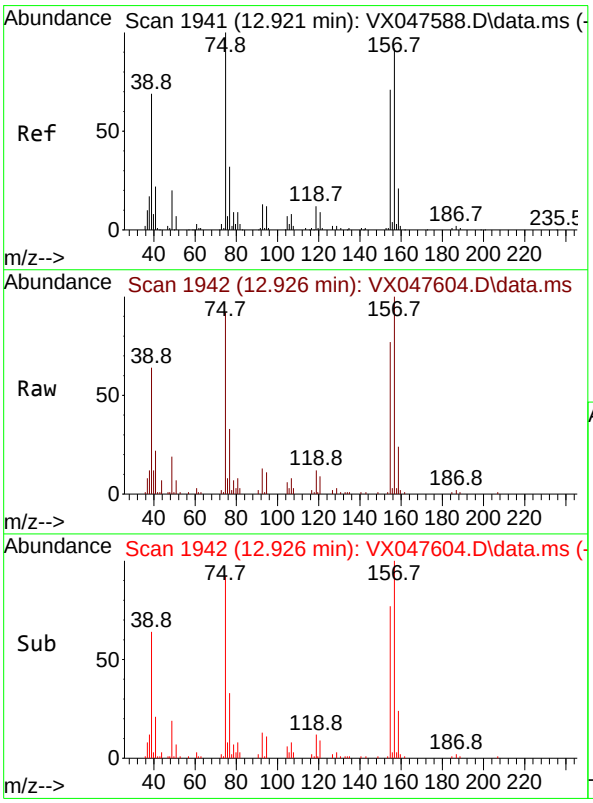
Ion	Ratio	Lower	Upper
146	100		
111	44.4	22.2	66.6
148	63.0	31.8	95.4



Instrument :
MSVOA_X
ClientSampleId :
VX0917WBS01

Manual Integrations APPROVED

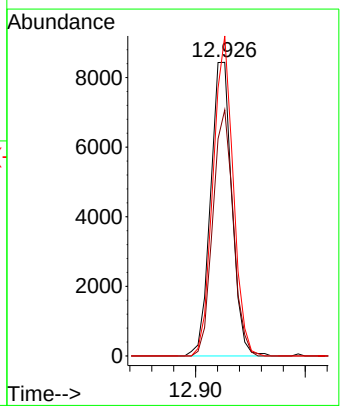
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

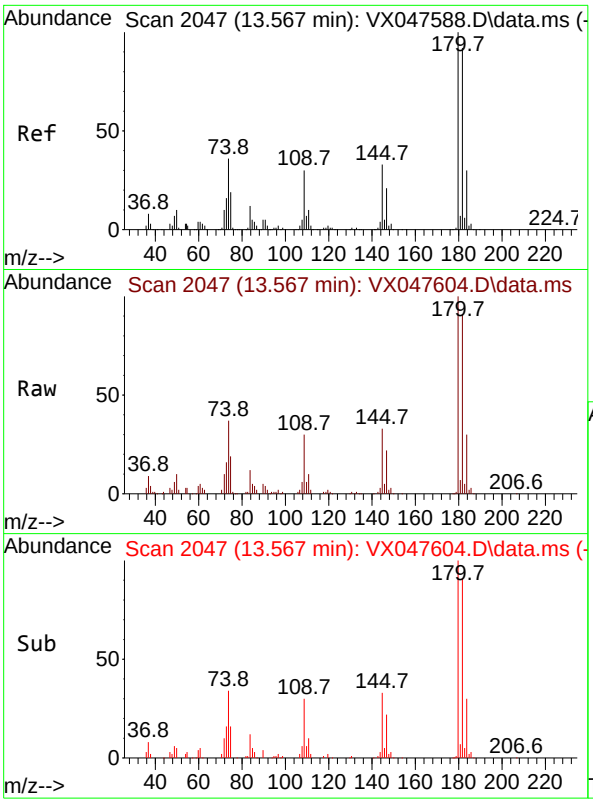


#92
1,2-Dibromo-3-Chloropropane
Concen: 16.110 ug/l
RT: 12.926 min Scan# 1942
Delta R.T. 0.006 min
Lab File: VX047604.D
Acq: 17 Sep 2025 10:09

Tgt Ion: 75 Resp: 11373

Ion	Ratio	Lower	Upper
75	100		
155	80.3	37.7	113.1
157	103.2	49.8	149.4

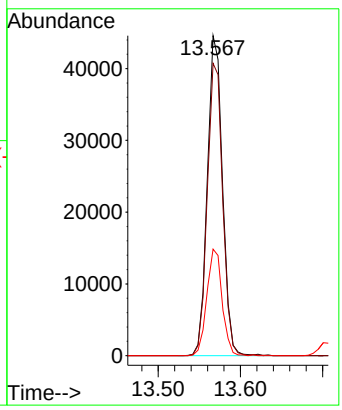




#93
1,2,4-Trichlorobenzene
Concen: 17.447 ug/l
RT: 13.567 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047604.D
Acq: 17 Sep 2025 10:09

Tgt Ion:180 Resp: 5695

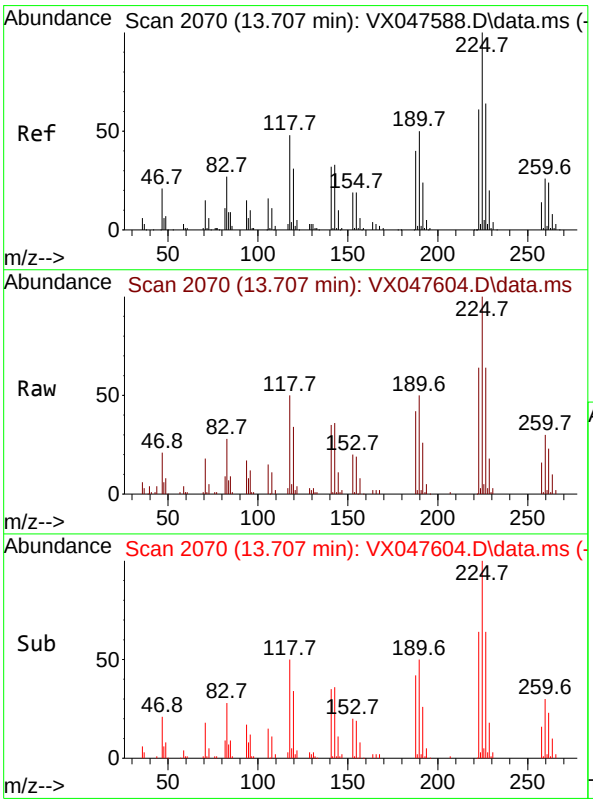
Ion	Ratio	Lower	Upper
180	100		
182	93.0	46.6	139.8
145	33.7	16.4	49.1



Instrument :
MSVOA_X
ClientSampleId :
VX0917WBS01

Manual Integrations APPROVED

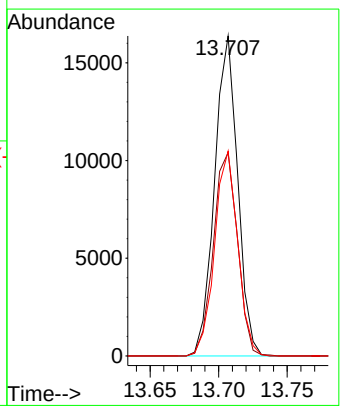
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

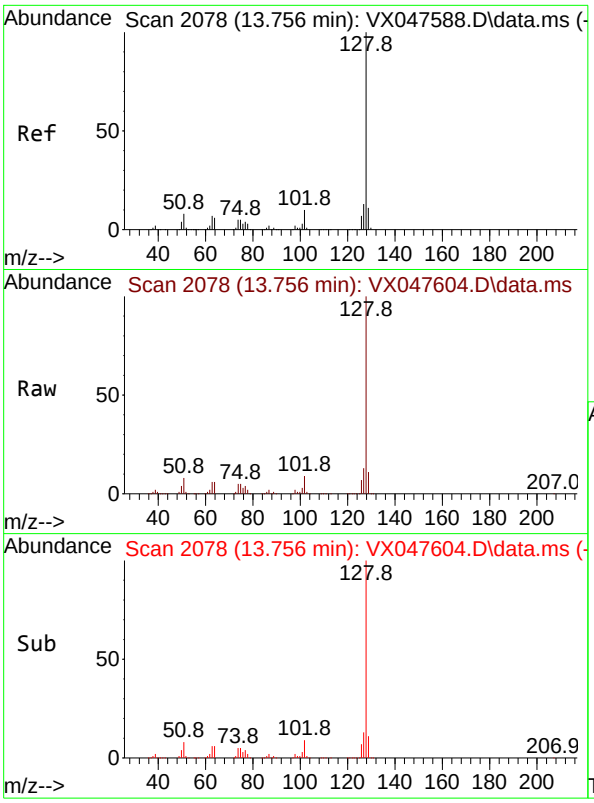


#94
Hexachlorobutadiene
Concen: 17.267 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. -0.000 min
Lab File: VX047604.D
Acq: 17 Sep 2025 10:09

Tgt Ion:225 Resp: 19147

Ion	Ratio	Lower	Upper
225	100		
223	66.6	31.7	95.1
227	64.2	32.0	96.0

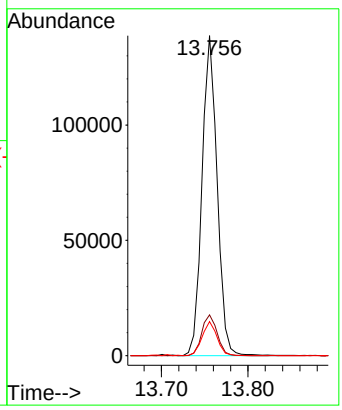




#95
Naphthalene
Concen: 16.896 ug/l
RT: 13.756 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047604.D
Acq: 17 Sep 2025 10:09

Tgt Ion:128 Resp: 16796

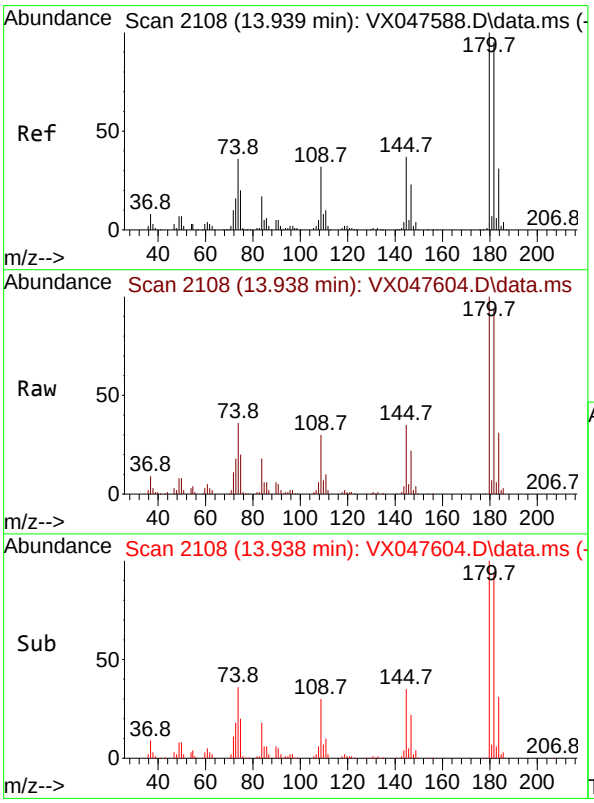
Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.2	15.2
129	10.6	8.8	13.2



Instrument :
MSVOA_X
ClientSampleId :
VX0917WBS01

Manual Integrations
APPROVED

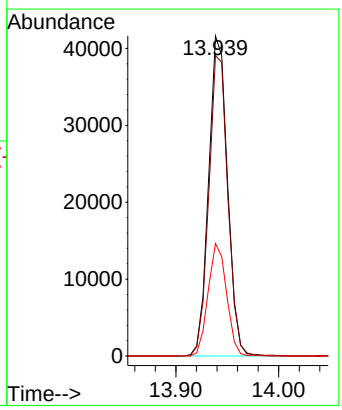
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025



#96
1,2,3-Trichlorobenzene
Concen: 17.466 ug/l
RT: 13.938 min Scan# 2108
Delta R.T. -0.000 min
Lab File: VX047604.D
Acq: 17 Sep 2025 10:09

Tgt Ion:180 Resp: 53040

Ion	Ratio	Lower	Upper
180	100		
182	95.0	47.6	142.8
145	34.4	17.9	53.7



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:	VX0918WBS01	SDG No.:	Q3095
Lab Sample ID:	VX0918WBS01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047634.D	1	09/18/25 12:45	VX091825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	25.4		0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	23.0		0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	23.3		0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	23.3		1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	22.2		0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	21.5		0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	21.2		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	21.3		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	23.0		0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	21.1		0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	21.6		0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	20.9		0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	21.1		0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	21.1		0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	22.0		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	20.2		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	21.5		0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	26.6		0.22	0.50	1.00	ug/L
67-66-3	Chloroform	21.4		0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	21.0		0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	21.5		0.16	0.50	1.00	ug/L
71-43-2	Benzene	21.5		0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	20.8		0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	21.0		0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	21.2		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	120		0.68	2.50	5.00	ug/L
108-88-3	Toluene	21.3		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:	VX0918WBS01	SDG No.:	Q3095
Lab Sample ID:	VX0918WBS01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047634.D	1	09/18/25 12:45	VX091825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	20.9		0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	20.9		0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	21.6		0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	110		0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	21.5		0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	22.1		0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	21.2		0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	21.3		0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	21.1		0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	43.0		0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	21.5		0.12	0.50	1.00	ug/L
100-42-5	Styrene	21.2		0.15	0.50	1.00	ug/L
75-25-2	Bromoform	21.3		0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	20.8		0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	21.6		0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	20.5		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	20.9		0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	21.4		0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	20.0		0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	20.5		0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	48.7		81 - 118		97%	SPK: 50
1868-53-7	Dibromofluoromethane	50.0		80 - 119		100%	SPK: 50
2037-26-5	Toluene-d8	50.1		89 - 112		100%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.2		85 - 114		100%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	185000	5.538				
540-36-3	1,4-Difluorobenzene	329000	6.745				
3114-55-4	Chlorobenzene-d5	292000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	143000	12.006				

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:	VX0918WBS01	SDG No.:	Q3095
Lab Sample ID:	VX0918WBS01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047634.D	1	09/18/25 12:45	VX091825

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\VX091825\
Data File : VX047634.D
Acq On : 18 Sep 2025 12:45
Operator : JC/MD
Sample : VX0918WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 19 01:29:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.538	168	184765	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	329366	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	292123	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	143266	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	143215	48.696	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 97.400%			
35) Dibromofluoromethane	5.367	113	110491	50.021	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.040%			
50) Toluene-d8	8.635	98	382885	50.094	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 100.180%			
62) 4-Bromofluorobenzene	11.061	95	145725	50.237	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 100.480%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.173	85	48551	25.376	ug/l	99
3) Chloromethane	1.301	50	57832	22.999	ug/l	99
4) Vinyl Chloride	1.380	62	57439	23.335	ug/l	100
5) Bromomethane	1.618	94	36425	23.337	ug/l	99
6) Chloroethane	1.697	64	36583	22.237	ug/l	99
7) Trichlorofluoromethane	1.898	101	78510	21.481	ug/l	99
8) Diethyl Ether	2.136	74	30731	20.555	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.331	101	45334	21.213	ug/l	99
10) Methyl Iodide	2.453	142	67783	20.337	ug/l	99
11) Tert butyl alcohol	2.940	59	36625	111.816	ug/l	97
12) 1,1-Dichloroethene	2.325	96	46762	21.302	ug/l	93
13) Acrolein	2.233	56	46054	152.577	ug/l	100
14) Allyl chloride	2.666	41	94754	20.918	ug/l	97
15) Acrylonitrile	3.056	53	141174	116.359	ug/l	98
16) Acetone	2.373	43	124415	97.294	ug/l	96
17) Carbon Disulfide	2.514	76	138396	23.029	ug/l	98
18) Methyl Acetate	2.697	43	61444	21.591	ug/l	100
19) Methyl tert-butyl Ether	3.105	73	169441	21.145	ug/l	97
20) Methylene Chloride	2.788	84	56600	20.910	ug/l	94
21) trans-1,2-Dichloroethene	3.087	96	49944	21.132	ug/l	96
22) Diisopropyl ether	3.751	45	188618	21.485	ug/l	96
23) Vinyl Acetate	3.709	43	775875	110.425	ug/l	100
24) 1,1-Dichloroethane	3.605	63	98312	21.069	ug/l	99
25) 2-Butanone	4.538	43	176186	110.456	ug/l	98
26) 2,2-Dichloropropane	4.465	77	78730	20.298	ug/l	99
27) cis-1,2-Dichloroethene	4.477	96	62278	21.517	ug/l	98
28) Bromochloromethane	4.879	49	54248	26.630	ug/l	99
29) Tetrahydrofuran	4.989	42	110389	115.041	ug/l	100
30) Chloroform	5.074	83	101087	21.438	ug/l	98
31) Cyclohexane	5.452	56	85610	22.029	ug/l	98
32) 1,1,1-Trichloroethane	5.373	97	83950	20.990	ug/l	99
36) 1,1-Dichloropropene	5.678	75	66230	20.519	ug/l	99
37) Ethyl Acetate	4.696	43	77350	22.381	ug/l	98
38) Carbon Tetrachloride	5.666	117	70717	20.165	ug/l	97
39) Methylcyclohexane	7.360	83	78612	21.456	ug/l	100
40) Benzene	6.019	78	210958	21.519	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091825\
Data File : VX047634.D
Acq On : 18 Sep 2025 12:45
Operator : JC/MD
Sample : VX0918WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 19 01:29:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.904	41	39755	22.282	ug/l		97
42) 1,2-Dichloroethane	6.074	62	77680	20.825	ug/l		99
43) Isopropyl Acetate	6.318	43	124705	22.001	ug/l		99
44) Trichloroethene	7.110	130	49886	21.048	ug/l		98
45) 1,2-Dichloropropane	7.415	63	53095	21.151	ug/l		99
46) Dibromomethane	7.562	93	38524	21.089	ug/l		98
47) Bromodichloromethane	7.805	83	78870	20.923	ug/l		96
48) Methyl methacrylate	7.677	41	62106	21.998	ug/l		98
49) 1,4-Dioxane	7.641	88	14618	512.327	ug/l		93
51) 4-Methyl-2-Pentanone	8.555	43	363981	115.821	ug/l		99
52) Toluene	8.702	92	128593	21.291	ug/l		100
53) t-1,3-Dichloropropene	8.964	75	80393	20.908	ug/l		100
54) cis-1,3-Dichloropropene	8.348	75	85751	20.865	ug/l		98
55) 1,1,2-Trichloroethane	9.134	97	50299	21.597	ug/l		98
56) Ethyl methacrylate	9.098	69	81830	22.373	ug/l		98
57) 1,3-Dichloropropane	9.293	76	88322	22.076	ug/l		98
58) 2-Chloroethyl Vinyl ether	8.226	63	161450	99.487	ug/l		99
59) 2-Hexanone	9.415	43	257260	113.982	ug/l		99
60) Dibromochloromethane	9.506	129	57746	21.519	ug/l		100
61) 1,2-Dibromoethane	9.592	107	52479	22.123	ug/l		99
64) Tetrachloroethene	9.256	164	40380	21.204	ug/l		96
65) Chlorobenzene	10.061	112	141250	21.284	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.147	131	47770	20.860	ug/l		99
67) Ethyl Benzene	10.177	91	241869	21.123	ug/l		99
68) m/p-Xylenes	10.287	106	183376	43.025	ug/l		99
69) o-Xylene	10.622	106	88580	21.487	ug/l		100
70) Styrene	10.640	104	153153	21.203	ug/l		99
71) Bromoform	10.781	173	36468	21.327	ug/l	#	98
73) Isopropylbenzene	10.945	105	226622	20.806	ug/l		99
74) N-amyl acetate	10.823	43	107819	21.707	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.195	83	71287	21.632	ug/l		98
76) 1,2,3-Trichloropropane	11.219	75	56510m	19.482	ug/l		
77) Bromobenzene	11.183	156	55527	20.699	ug/l		99
78) n-propylbenzene	11.287	91	269007	20.893	ug/l		100
79) 2-Chlorotoluene	11.348	91	163838	20.776	ug/l		99
80) 1,3,5-Trimethylbenzene	11.433	105	186536	20.845	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.000	75	23228	20.421	ug/l		98
82) 4-Chlorotoluene	11.439	91	192939	20.715	ug/l		100
83) tert-Butylbenzene	11.695	119	189211	20.655	ug/l		99
84) 1,2,4-Trimethylbenzene	11.732	105	190968	21.049	ug/l		99
85) sec-Butylbenzene	11.872	105	224047	20.591	ug/l		100
86) p-Isopropyltoluene	11.994	119	188131	20.423	ug/l		99
87) 1,3-Dichlorobenzene	11.951	146	101958	20.462	ug/l		100
88) 1,4-Dichlorobenzene	12.024	146	105034	20.539	ug/l		98
89) n-Butylbenzene	12.317	91	174488	20.471	ug/l		99
90) Hexachloroethane	12.518	117	31502	19.478	ug/l		99
91) 1,2-Dichlorobenzene	12.317	146	99044	20.864	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.920	75	14268	21.385	ug/l		97
93) 1,2,4-Trichlorobenzene	13.567	180	61572	19.957	ug/l		98
94) Hexachlorobutadiene	13.707	225	21053	20.090	ug/l		98
95) Naphthalene	13.756	128	192734	20.515	ug/l		99
96) 1,2,3-Trichlorobenzene	13.938	180	58854	20.507	ug/l		97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091825\
Data File : VX047634.D
Acq On : 18 Sep 2025 12:45
Operator : JC/MD
Sample : VX0918WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 19 01:29:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025

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

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

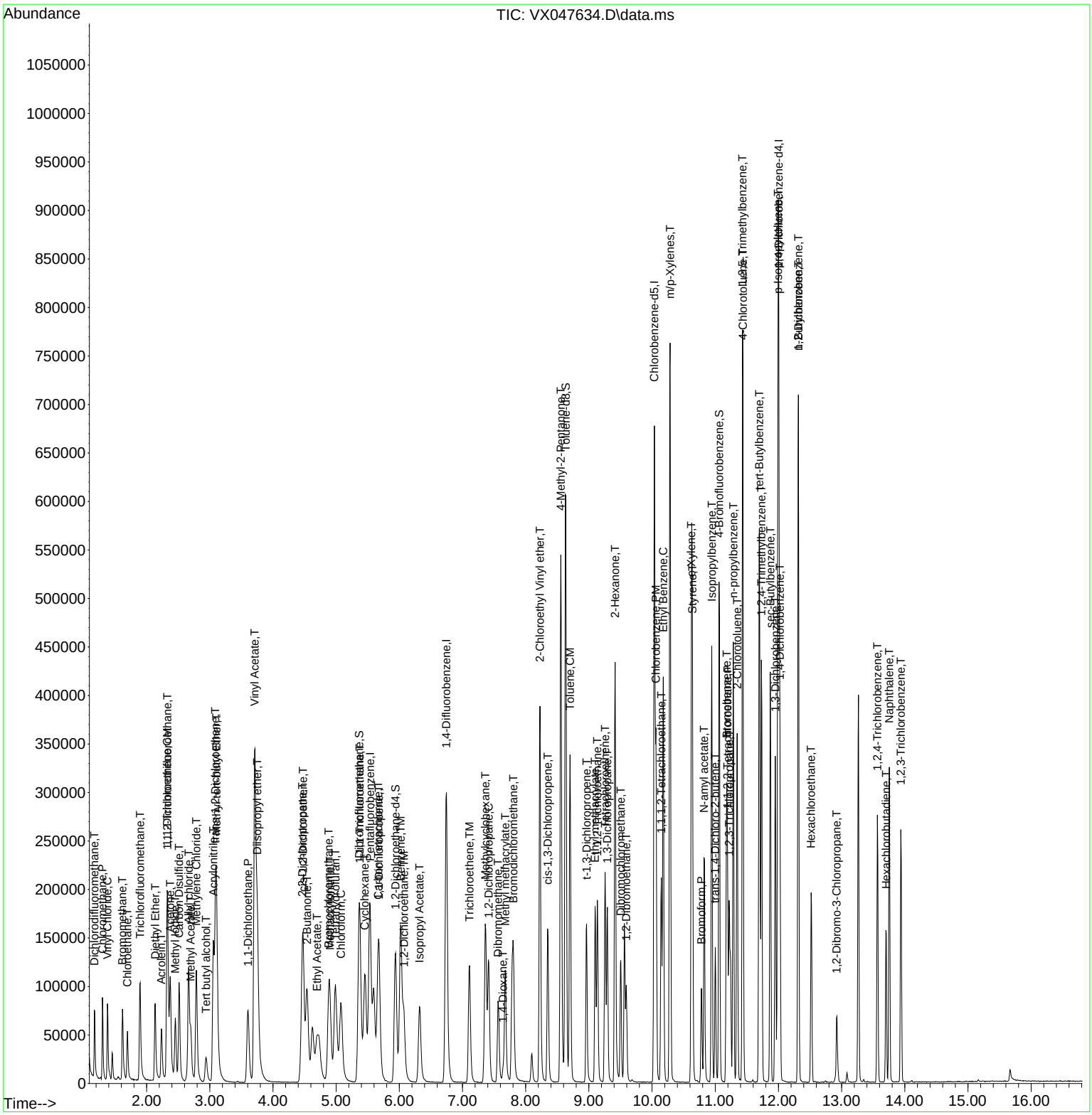
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091825\
Data File : VX047634.D
Acq On : 18 Sep 2025 12:45
Operator : JC/MD
Sample : VX0918WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

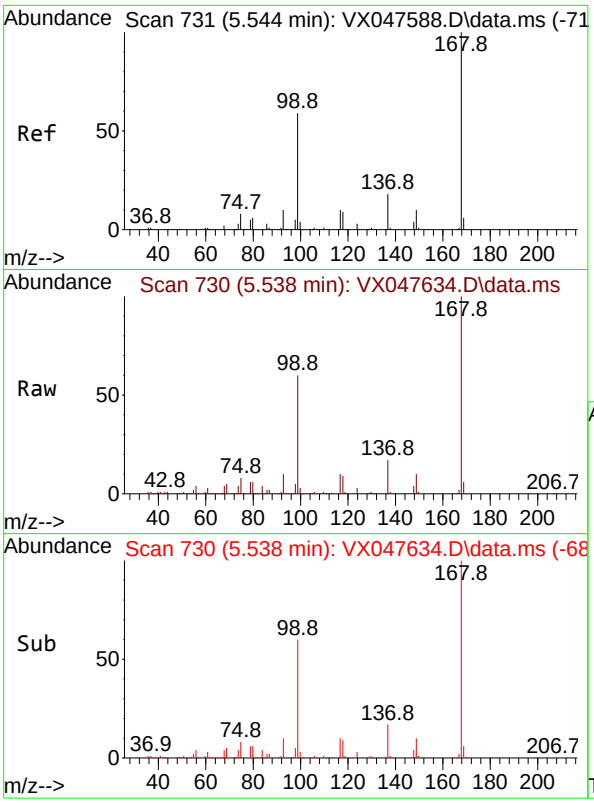
Quant Time: Sep 19 01:29:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025

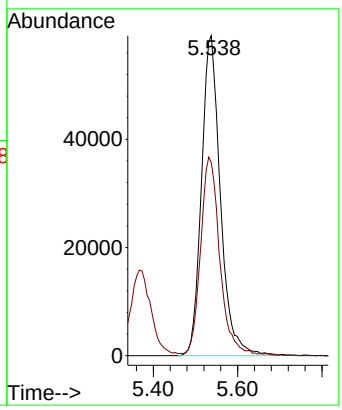




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047634.D
Acq: 18 Sep 2025 12:45

Tgt Ion:168 Resp: 18476

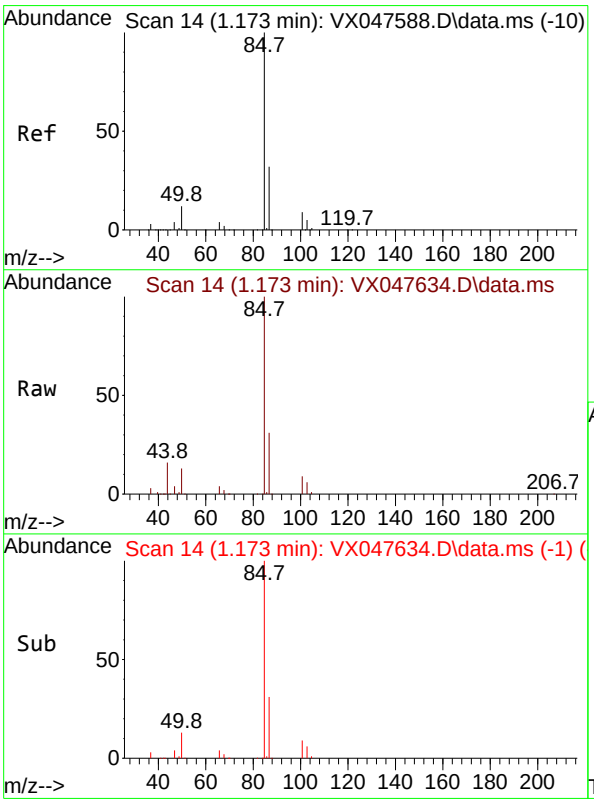
Ion	Ratio	Lower	Upper
168	100		
99	60.1	48.8	73.2



Instrument :
MSVOA_X
ClientSampleId :
VX0918WBS01

Manual Integrations
APPROVED

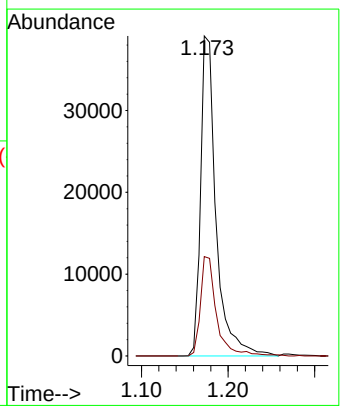
Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025

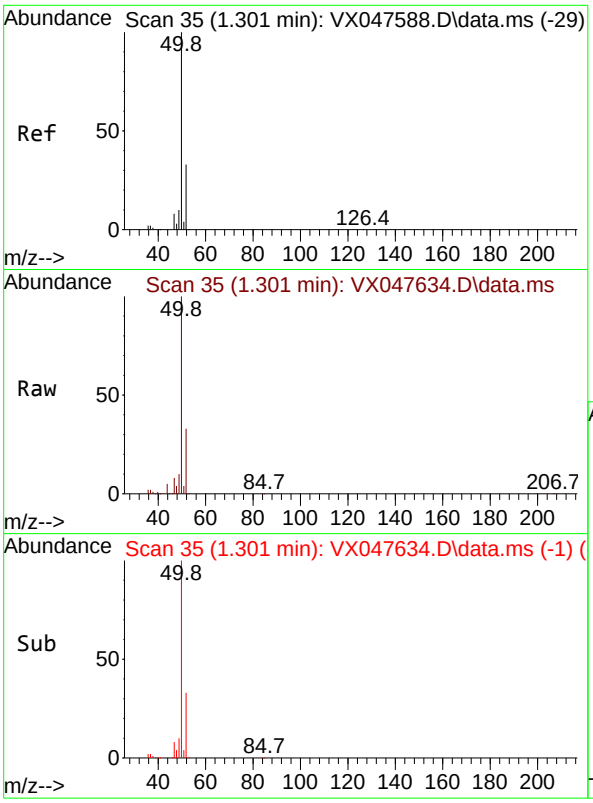


#2
Dichlorodifluoromethane
Concen: 25.376 ug/l
RT: 1.173 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047634.D
Acq: 18 Sep 2025 12:45

Tgt Ion: 85 Resp: 48551

Ion	Ratio	Lower	Upper
85	100		
87	31.1	15.8	47.3

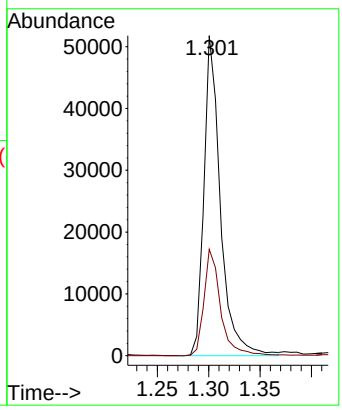




#3
Chloromethane
Concen: 22.999 ug/l
RT: 1.301 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047634.D
Acq: 18 Sep 2025 12:45

Tgt Ion: 50 Resp: 5783

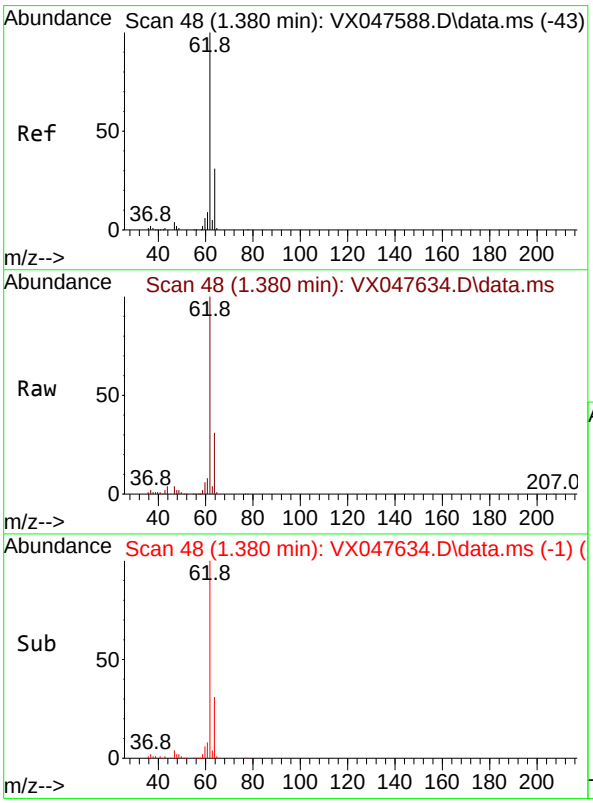
Ion	Ratio	Lower	Upper
50	100		
52	33.2	26.1	39.1



Instrument :
MSVOA_X
ClientSampleId :
VX0918WBS01

Manual Integrations
APPROVED

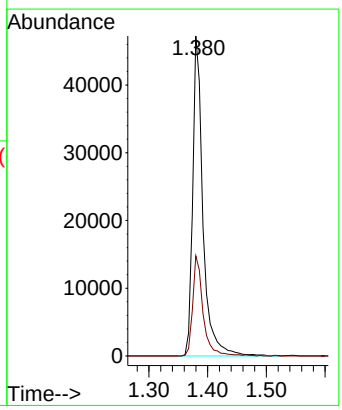
Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025

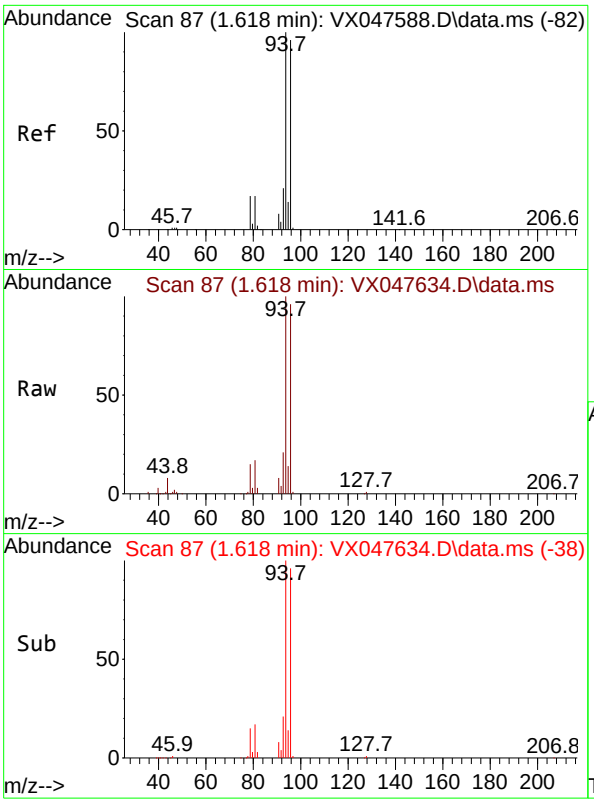


#4
Vinyl Chloride
Concen: 23.335 ug/l
RT: 1.380 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX047634.D
Acq: 18 Sep 2025 12:45

Tgt Ion: 62 Resp: 57439

Ion	Ratio	Lower	Upper
62	100		
64	31.3	24.9	37.3

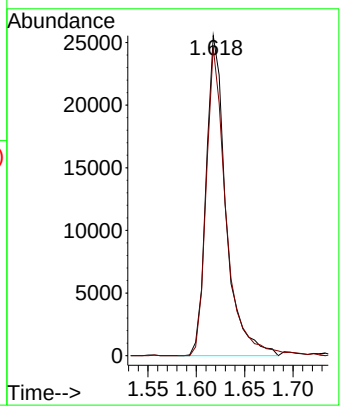




#5
Bromomethane
Concen: 23.337 ug/l
RT: 1.618 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX047634.D
Acq: 18 Sep 2025 12:45

Tgt Ion: 94 Resp: 3642

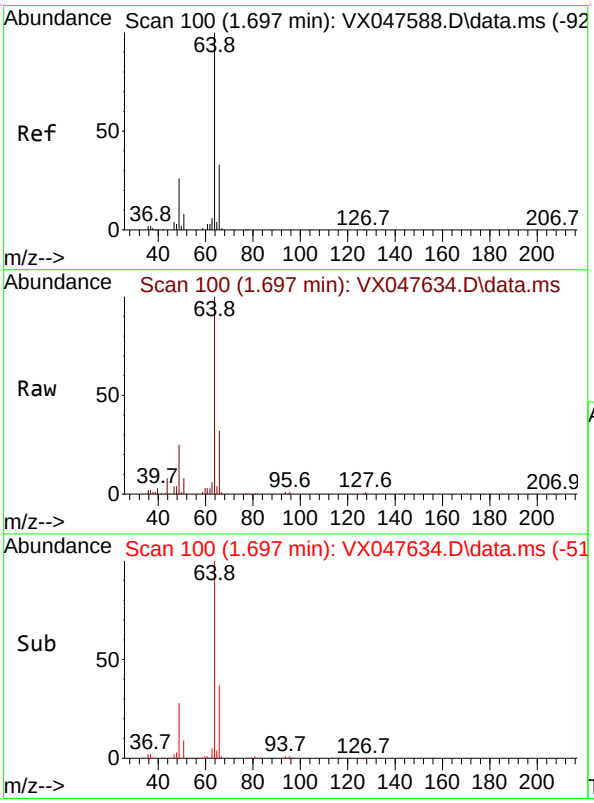
Ion	Ratio	Lower	Upper
94	100		
96	96.4	76.6	115.0



Instrument :
MSVOA_X
ClientSampleId :
VX0918WBS01

Manual Integrations
APPROVED

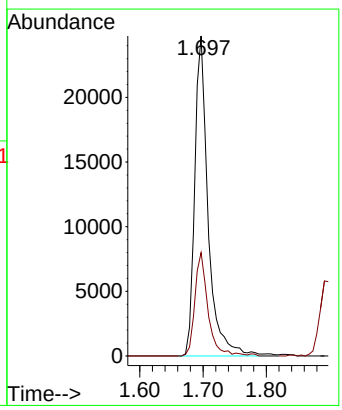
Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025

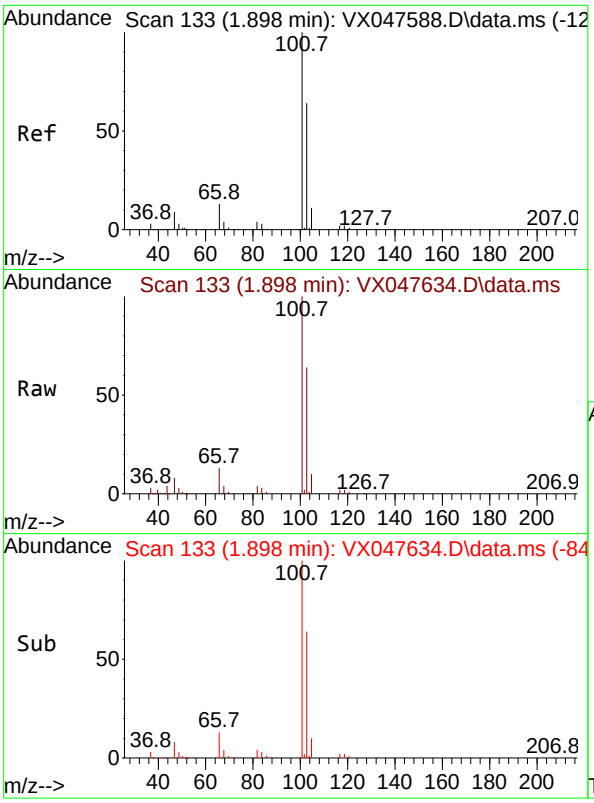


#6
Chloroethane
Concen: 22.237 ug/l
RT: 1.697 min Scan# 100
Delta R.T. -0.000 min
Lab File: VX047634.D
Acq: 18 Sep 2025 12:45

Tgt Ion: 64 Resp: 36583

Ion	Ratio	Lower	Upper
64	100		
66	32.3	26.1	39.1

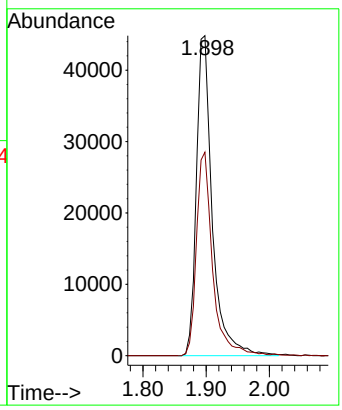




#7
Trichlorofluoromethane
Concen: 21.481 ug/l
RT: 1.898 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047634.D
Acq: 18 Sep 2025 12:45

Tgt Ion:101 Resp: 7851

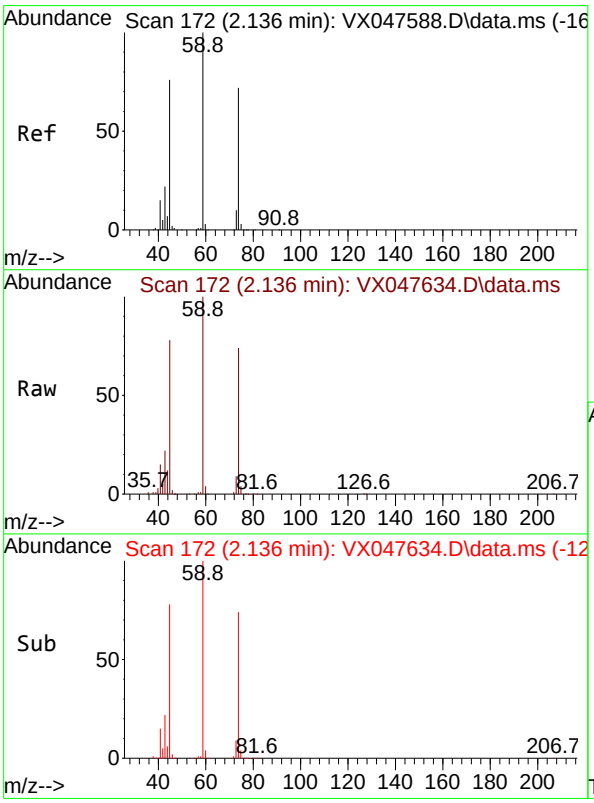
Ion	Ratio	Lower	Upper
101	100		
103	63.6	51.4	77.2



Instrument :
MSVOA_X
ClientSampleId :
VX0918WBS01

Manual Integrations
APPROVED

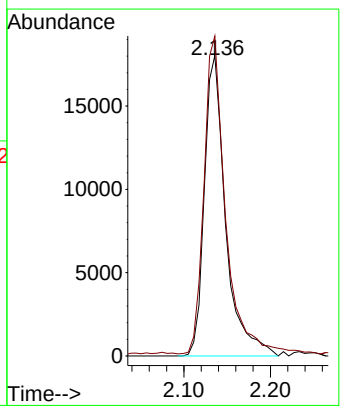
Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025

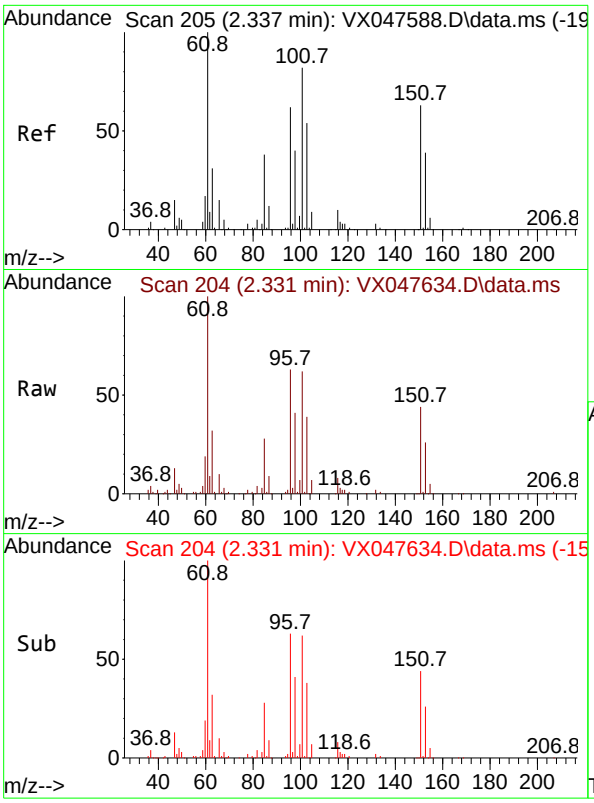


#8
Diethyl Ether
Concen: 20.555 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX047634.D
Acq: 18 Sep 2025 12:45

Tgt Ion: 74 Resp: 30731

Ion	Ratio	Lower	Upper
74	100		
45	108.0	52.3	156.8

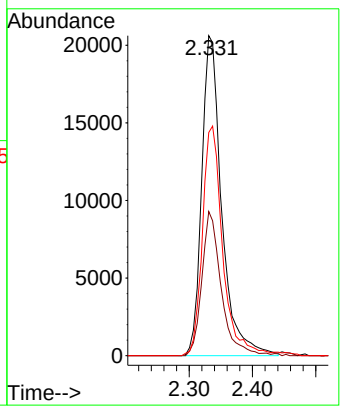




#9
1,1,2-Trichlorotrifluoroethane
Concen: 21.213 ug/l
RT: 2.331 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047634.D
Acq: 18 Sep 2025 12:45

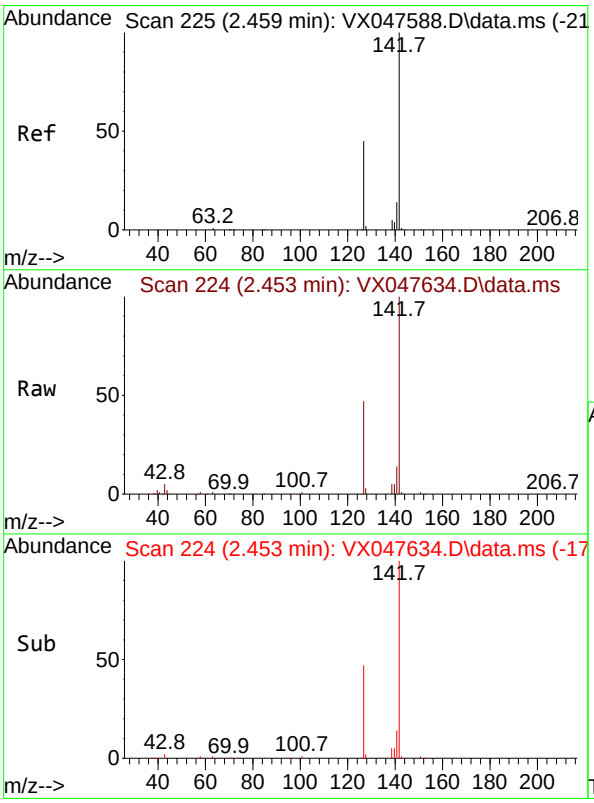
Tgt Ion:101 Resp: 4533

Ion	Ratio	Lower	Upper
101	100		
85	43.8	35.5	53.3
151	73.6	59.4	89.0



Instrument :
MSVOA_X
ClientSampleId :
VX0918WBS01

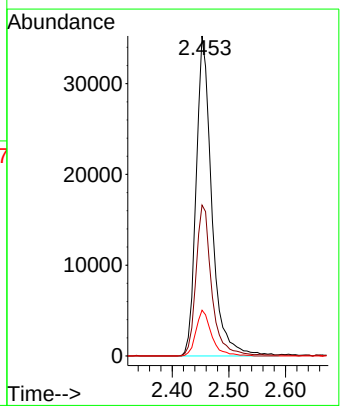
Manual Integrations
APPROVED
Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025

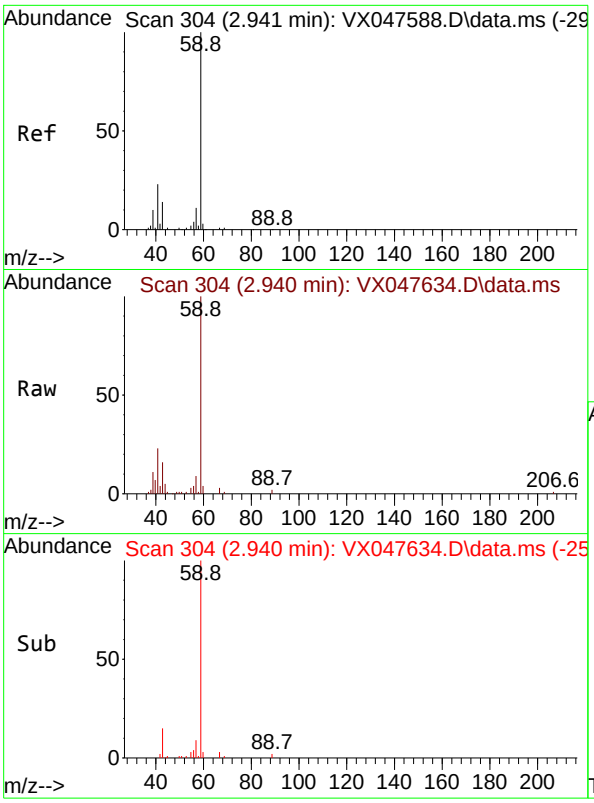


#10
Methyl Iodide
Concen: 20.337 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.006 min
Lab File: VX047634.D
Acq: 18 Sep 2025 12:45

Tgt Ion:142 Resp: 67783

Ion	Ratio	Lower	Upper
142	100		
127	46.9	37.2	55.8
141	14.2	11.4	17.0

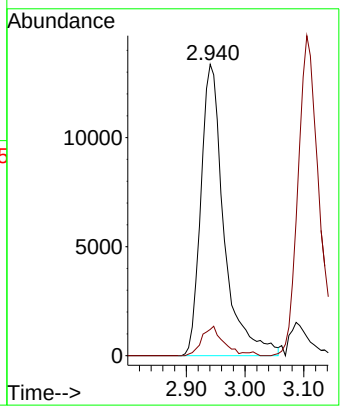




#11
Tert butyl alcohol
Concen: 111.816 ug/l
RT: 2.940 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047634.D
Acq: 18 Sep 2025 12:45

Tgt Ion: 59 Resp: 3662

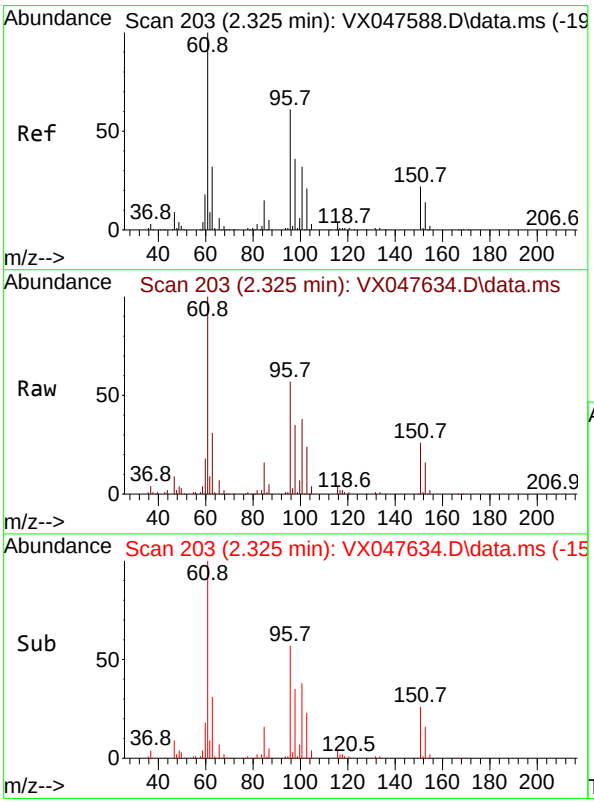
Ion	Ratio	Lower	Upper
59	100		
57	9.3	8.3	12.5



Instrument :
MSVOA_X
ClientSampleId :
VX0918WBS01

Manual Integrations
APPROVED

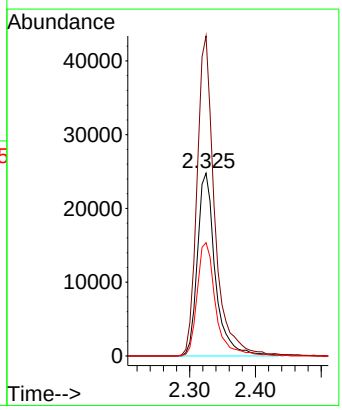
Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025

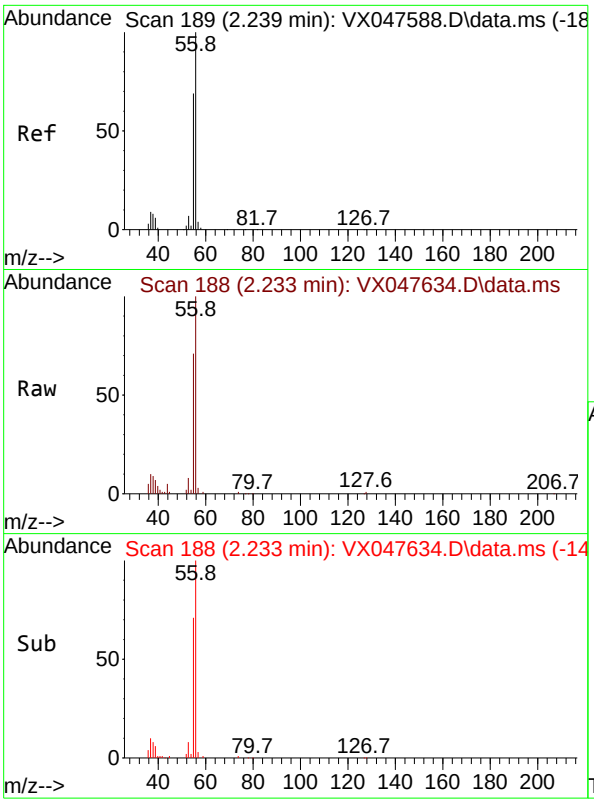


#12
1,1-Dichloroethene
Concen: 21.302 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX047634.D
Acq: 18 Sep 2025 12:45

Tgt Ion: 96 Resp: 46762

Ion	Ratio	Lower	Upper
96	100		
61	175.2	131.0	196.6
98	62.0	47.7	71.5

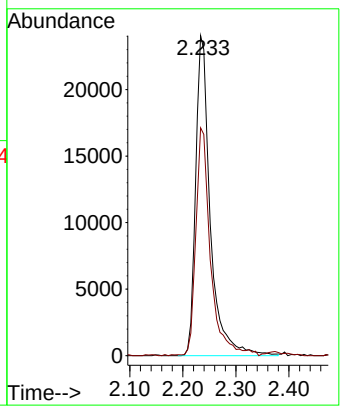




#13
Acrolein
Concen: 152.577 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047634.D
Acq: 18 Sep 2025 12:45

Tgt Ion: 56 Resp: 4605

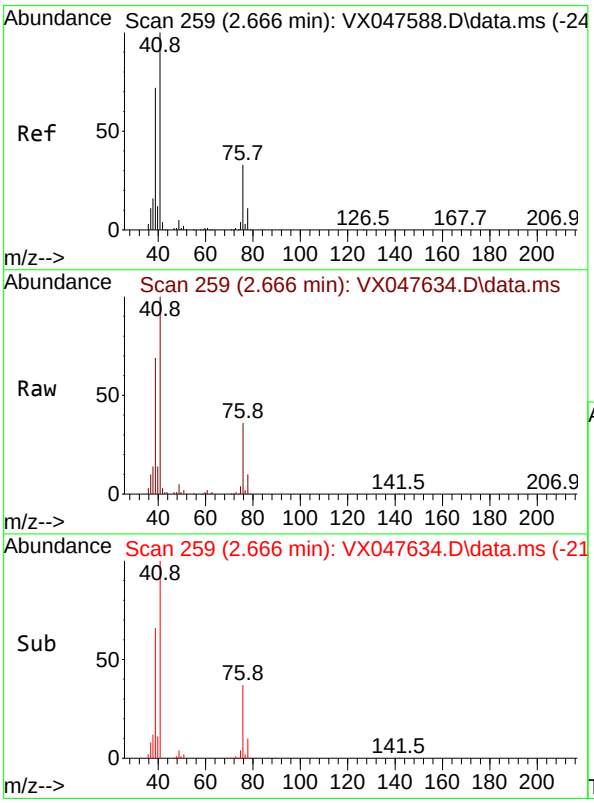
Ion	Ratio	Lower	Upper
56	100		
55	71.5	57.2	85.8



Instrument :
MSVOA_X
ClientSampleId :
VX0918WBS01

Manual Integrations
APPROVED

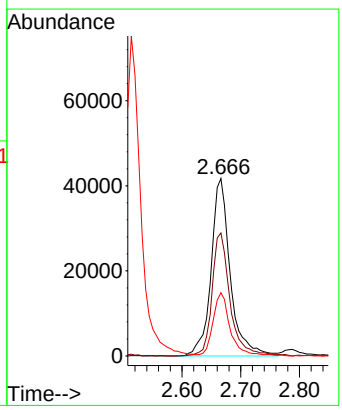
Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025

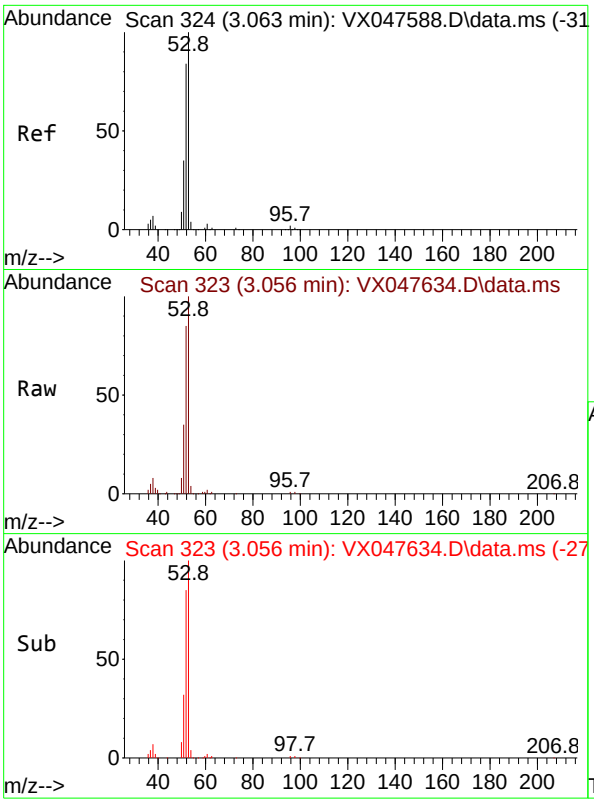


#14
Allyl chloride
Concen: 20.918 ug/l
RT: 2.666 min Scan# 259
Delta R.T. -0.000 min
Lab File: VX047634.D
Acq: 18 Sep 2025 12:45

Tgt Ion: 41 Resp: 94754

Ion	Ratio	Lower	Upper
41	100		
39	65.1	54.7	82.1
76	32.0	25.7	38.5





#15
Acrylonitrile
Concen: 116.359 ug/l
RT: 3.056 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047634.D
Acq: 18 Sep 2025 12:45

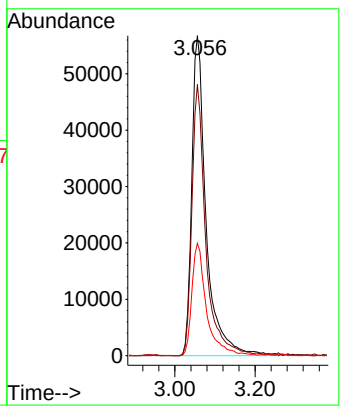
Tgt Ion: 53 Resp: 14117

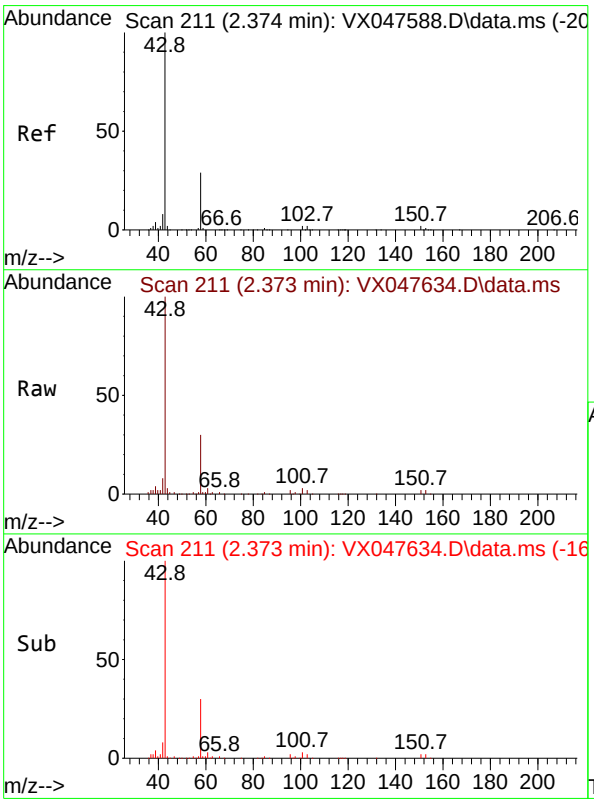
Ion	Ratio	Lower	Upper
53	100		
52	81.4	66.4	99.6
51	36.0	29.5	44.3

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025

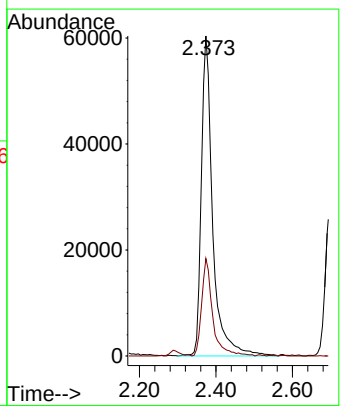


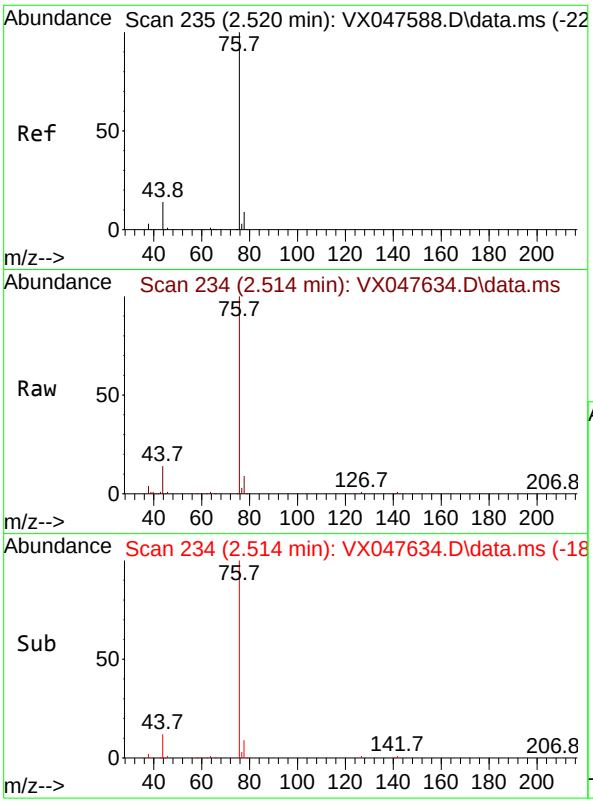


#16
Acetone
Concen: 97.294 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX047634.D
Acq: 18 Sep 2025 12:45

Tgt Ion: 43 Resp: 124415

Ion	Ratio	Lower	Upper
43	100		
58	31.5	23.4	35.0

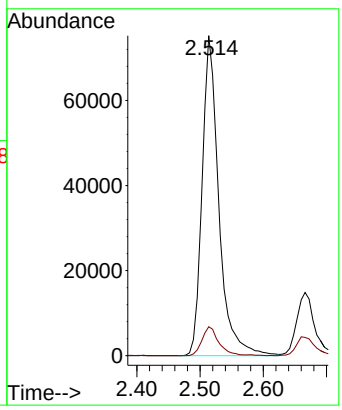




#17
Carbon Disulfide
Concen: 23.029 ug/l
RT: 2.514 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047634.D
Acq: 18 Sep 2025 12:45

Tgt Ion: 76 Resp: 13839

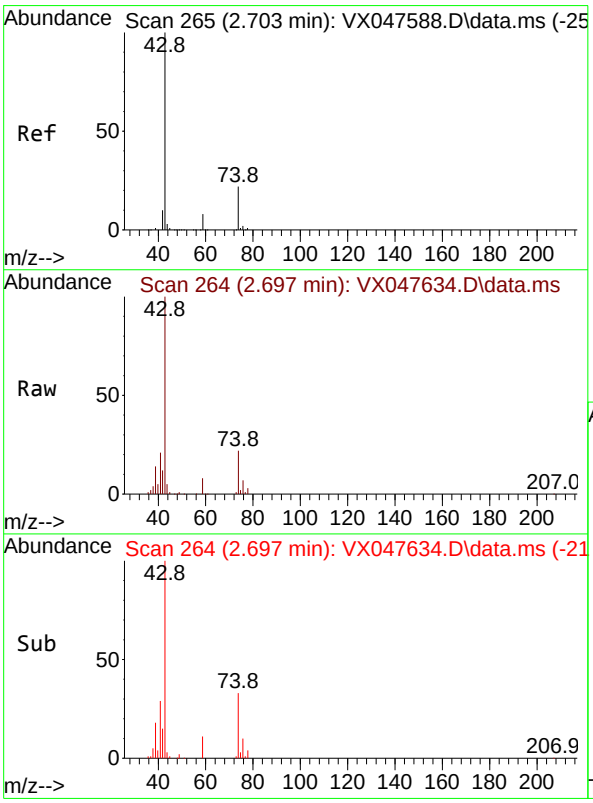
Ion	Ratio	Lower	Upper
76	100		
78	9.1	6.8	10.2



Instrument :
MSVOA_X
ClientSampleId :
VX0918WBS01

Manual Integrations
APPROVED

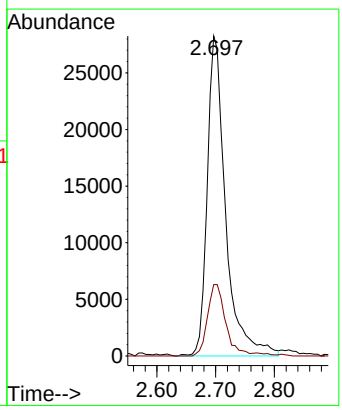
Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025

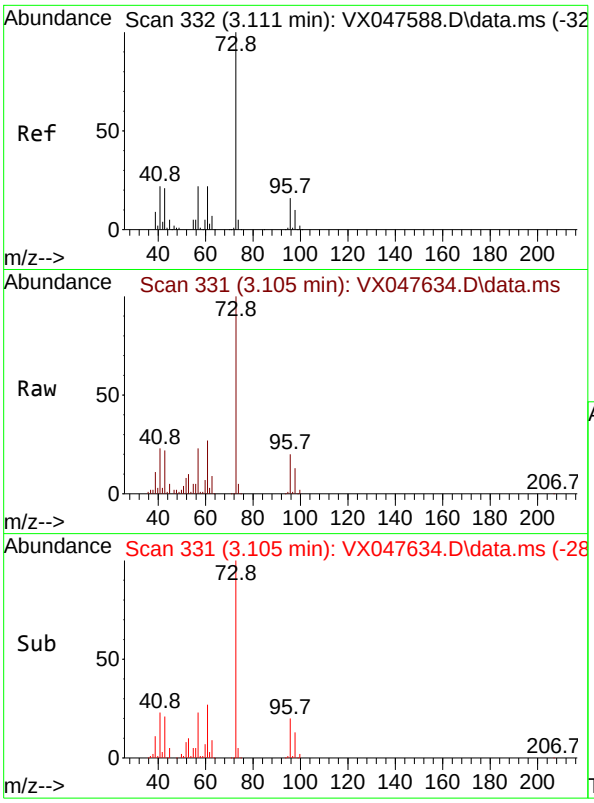


#18
Methyl Acetate
Concen: 21.591 ug/l
RT: 2.697 min Scan# 264
Delta R.T. -0.006 min
Lab File: VX047634.D
Acq: 18 Sep 2025 12:45

Tgt Ion: 43 Resp: 61444

Ion	Ratio	Lower	Upper
43	100		
74	21.9	17.4	26.2

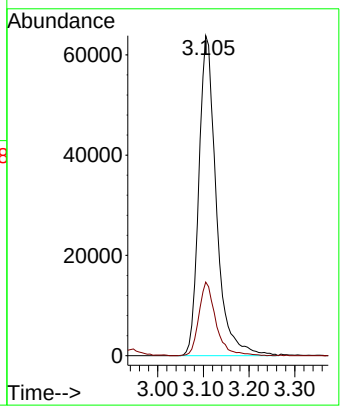




#19
Methyl tert-butyl Ether
Concen: 21.145 ug/l
RT: 3.105 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047634.D
Acq: 18 Sep 2025 12:45

Tgt Ion: 73 Resp: 16944

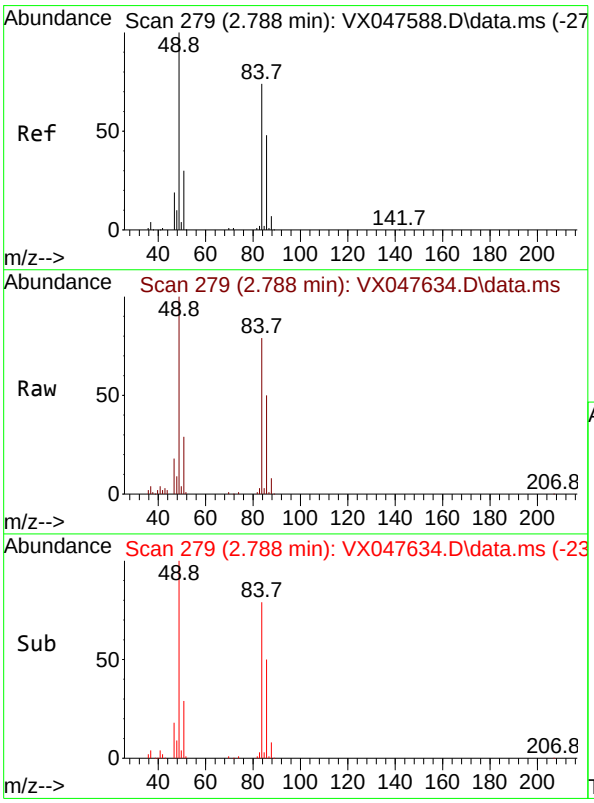
Ion	Ratio	Lower	Upper
73	100		
57	23.0	17.4	26.2



Instrument :
MSVOA_X
ClientSampleId :
VX0918WBS01

Manual Integrations
APPROVED

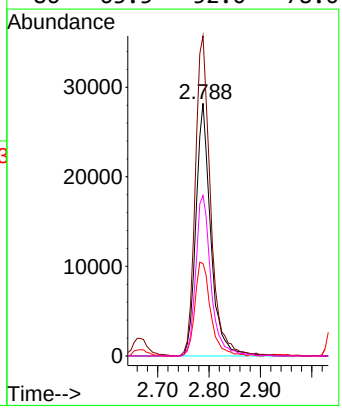
Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025

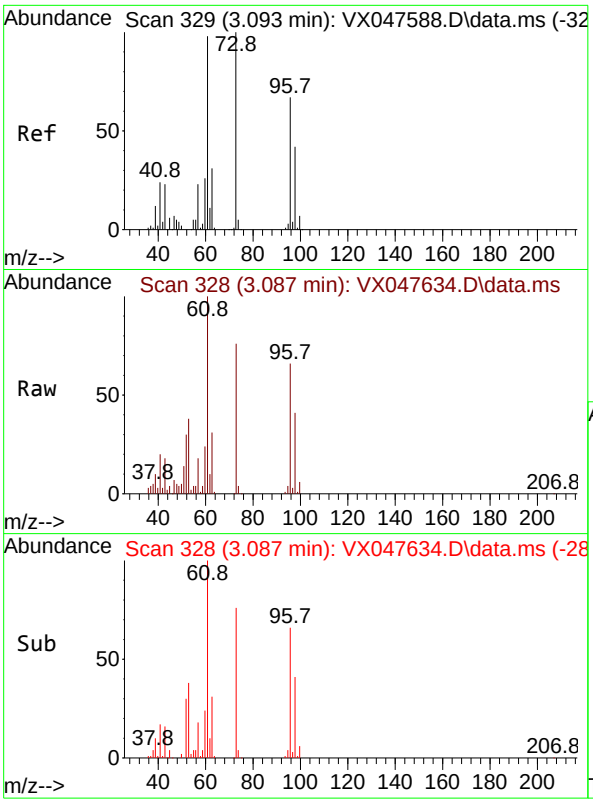


#20
Methylene Chloride
Concen: 20.910 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX047634.D
Acq: 18 Sep 2025 12:45

Tgt Ion: 84 Resp: 56600

Ion	Ratio	Lower	Upper
84	100		
49	126.7	108.6	162.8
51	36.6	32.6	48.8
86	63.5	52.0	78.0

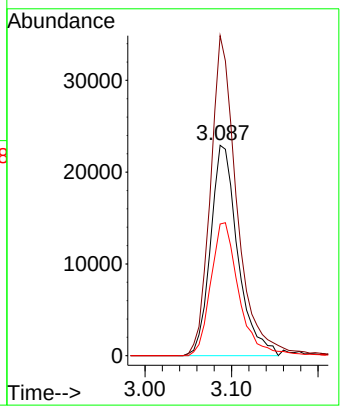




#21
trans-1,2-Dichloroethene
Concen: 21.132 ug/l
RT: 3.087 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047634.D
Acq: 18 Sep 2025 12:45

Tgt Ion: 96 Resp: 4994

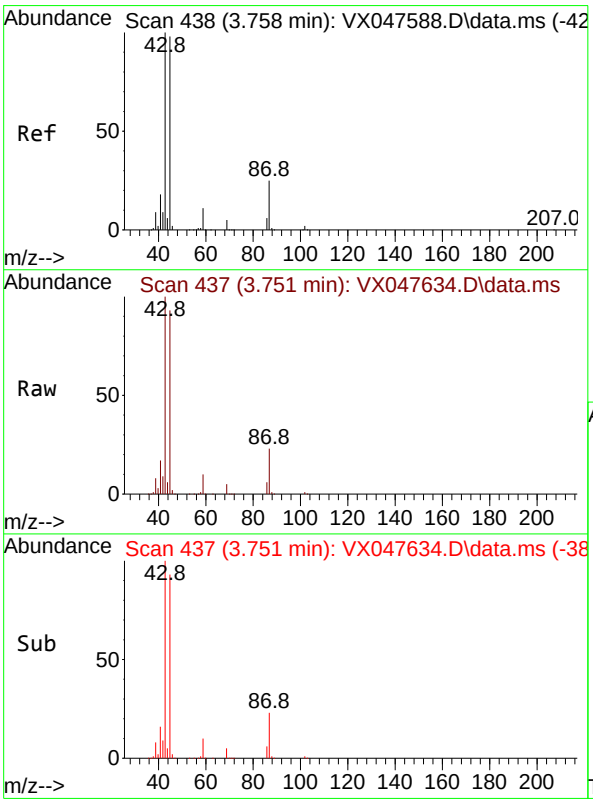
Ion	Ratio	Lower	Upper
96	100		
61	152.0	116.2	174.2
98	62.6	49.3	73.9



Instrument :
MSVOA_X
ClientSampleId :
VX0918WBS01

Manual Integrations
APPROVED

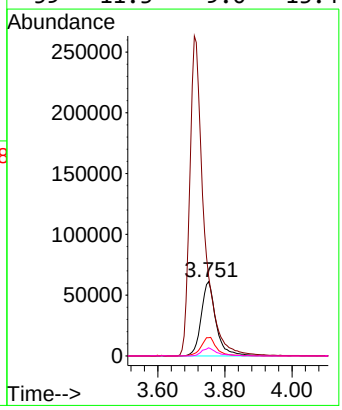
Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025

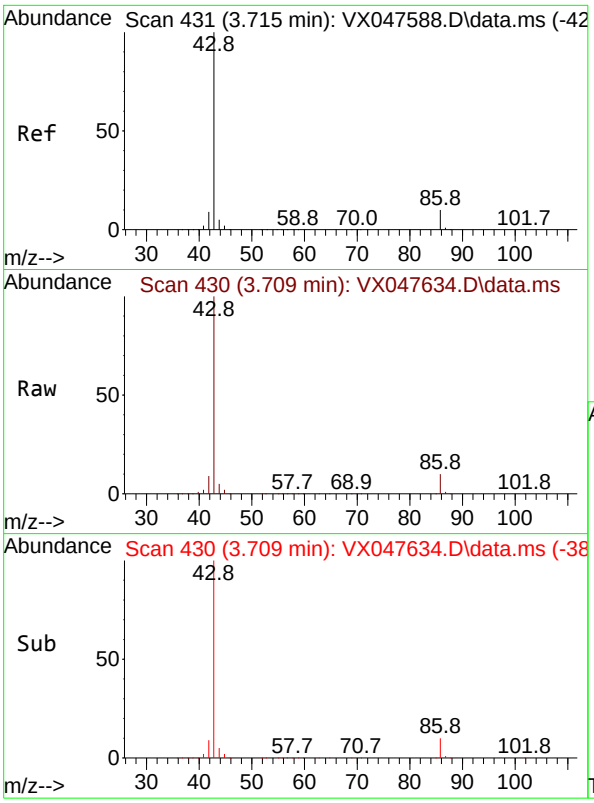


#22
Diisopropyl ether
Concen: 21.485 ug/l
RT: 3.751 min Scan# 437
Delta R.T. -0.006 min
Lab File: VX047634.D
Acq: 18 Sep 2025 12:45

Tgt Ion: 45 Resp: 188618

Ion	Ratio	Lower	Upper
45	100		
43	106.9	81.0	121.4
87	24.6	20.3	30.5
59	11.3	9.0	13.4





#23
Vinyl Acetate
Concen: 110.425 ug/l
RT: 3.709 min Scan# 4
Delta R.T. -0.006 min
Lab File: VX047634.D
Acq: 18 Sep 2025 12:45

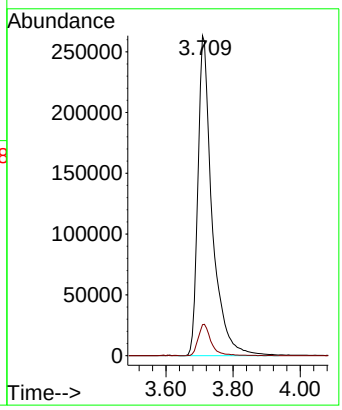
Tgt Ion: 43 Resp: 77587

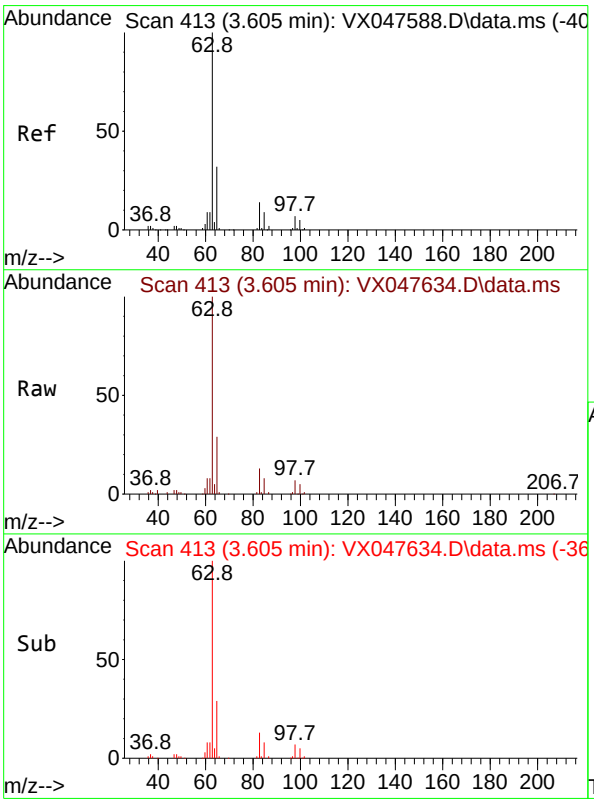
Ion	Ratio	Lower	Upper
43	100		
86	9.7	7.8	11.8

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025

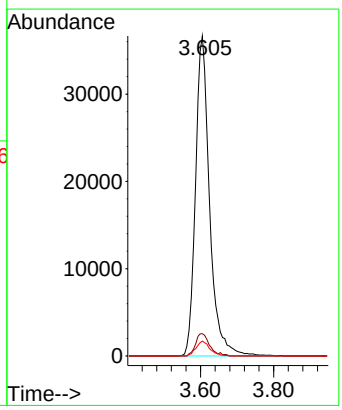


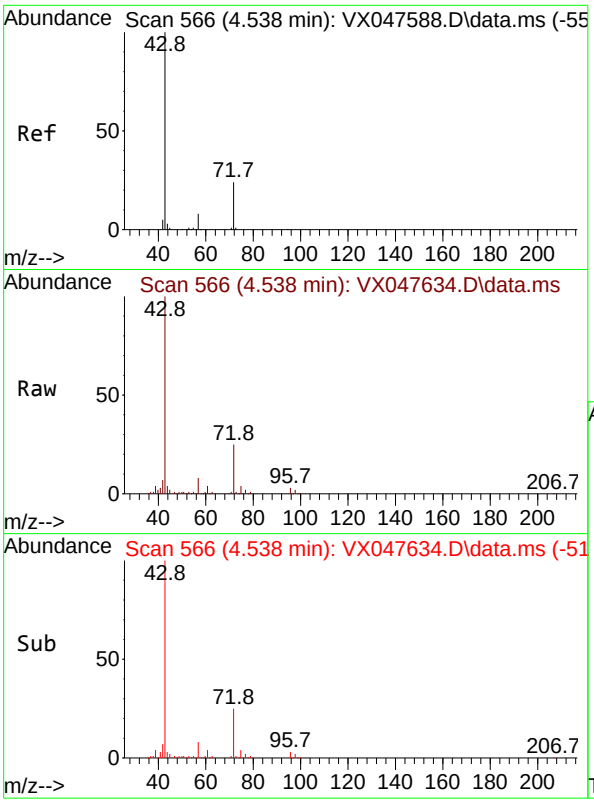


#24
1,1-Dichloroethane
Concen: 21.069 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX047634.D
Acq: 18 Sep 2025 12:45

Tgt Ion: 63 Resp: 98312

Ion	Ratio	Lower	Upper
63	100		
98	6.9	3.8	11.2
100	4.7	2.3	6.9





#25
2-Butanone
Concen: 110.456 ug/l
RT: 4.538 min Scan# 5(
Delta R.T. -0.000 min
Lab File: VX047634.D
Acq: 18 Sep 2025 12:45

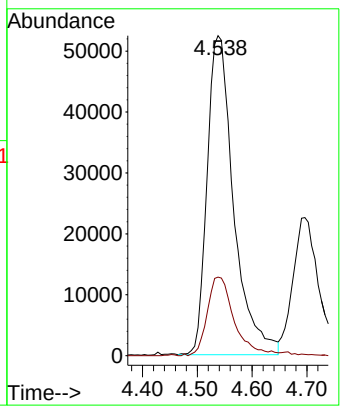
Tgt Ion: 43 Resp: 17618(

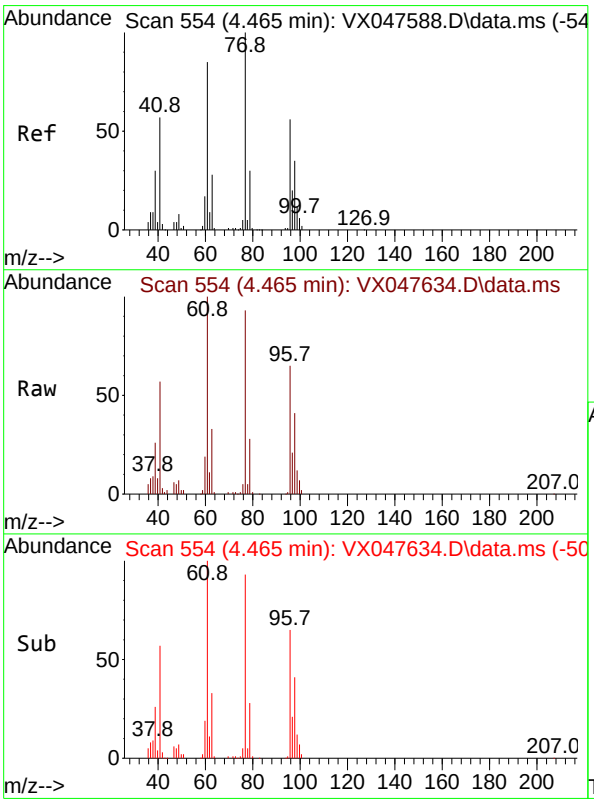
Ion	Ratio	Lower	Upper
43	100		
72	24.2	20.1	30.1

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025

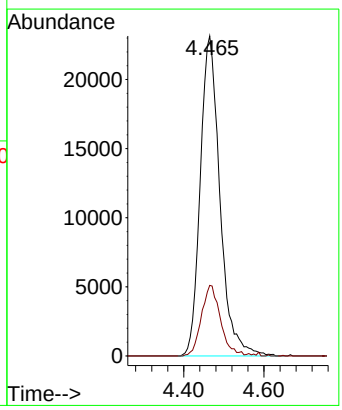


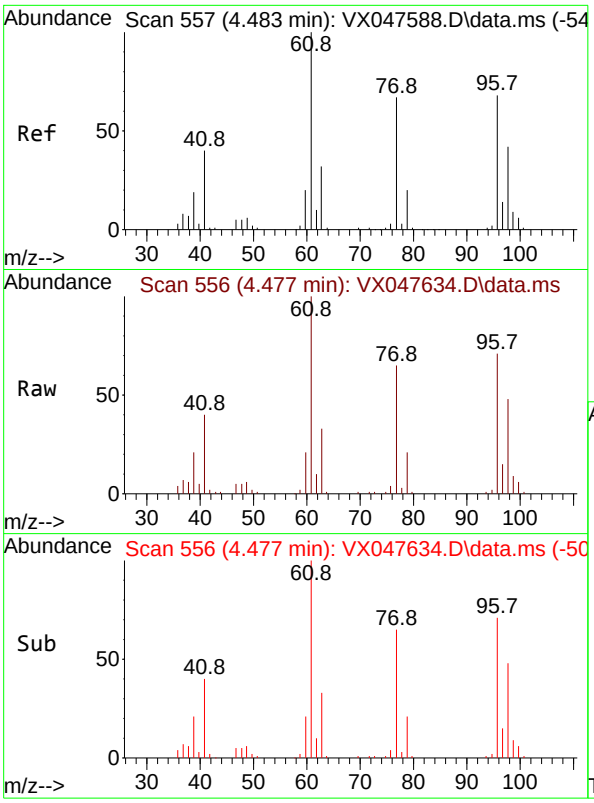


#26
2,2-Dichloropropane
Concen: 20.298 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.000 min
Lab File: VX047634.D
Acq: 18 Sep 2025 12:45

Tgt Ion: 77 Resp: 78730

Ion	Ratio	Lower	Upper
77	100		
97	21.4	10.9	32.7

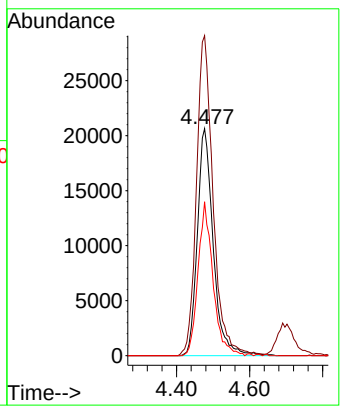




#27
cis-1,2-Dichloroethene
Concen: 21.517 ug/l
RT: 4.477 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX047634.D
Acq: 18 Sep 2025 12:45

Tgt Ion: 96 Resp: 6227

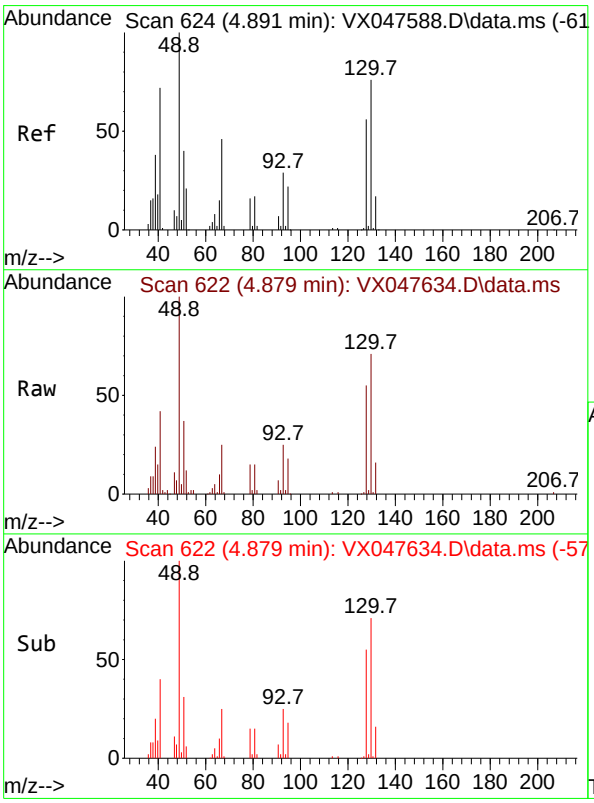
Ion	Ratio	Lower	Upper
96	100		
61	147.7	0.0	303.2
98	63.9	0.0	127.8



Instrument :
MSVOA_X
ClientSampleId :
VX0918WBS01

Manual Integrations
APPROVED

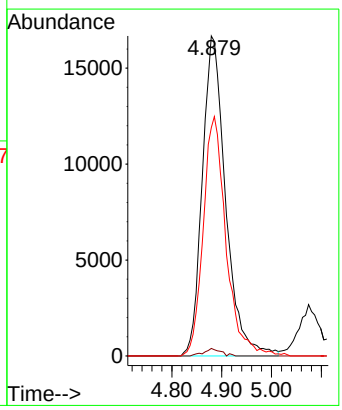
Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025

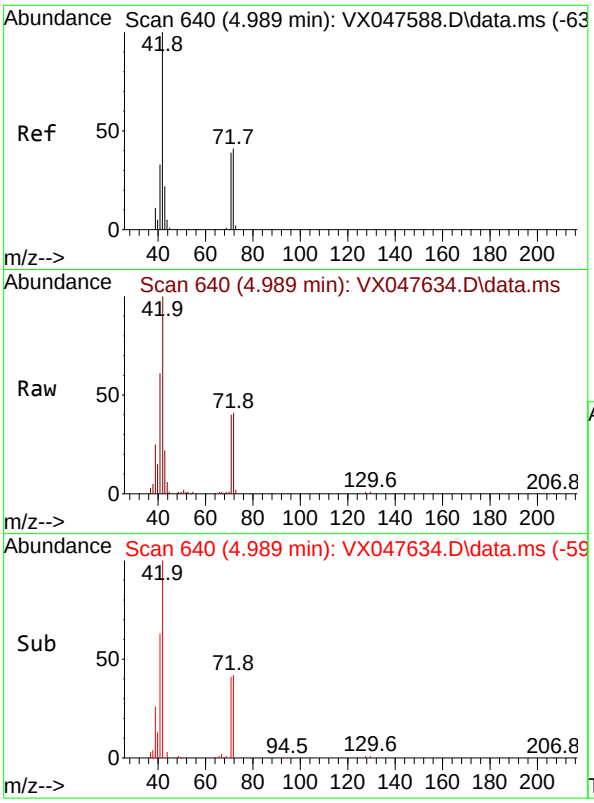


#28
Bromochloromethane
Concen: 26.630 ug/l
RT: 4.879 min Scan# 622
Delta R.T. -0.012 min
Lab File: VX047634.D
Acq: 18 Sep 2025 12:45

Tgt Ion: 49 Resp: 54248

Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.2
130	73.2	57.8	86.8





#29
Tetrahydrofuran
Concen: 115.041 ug/l
RT: 4.989 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX047634.D
Acq: 18 Sep 2025 12:45

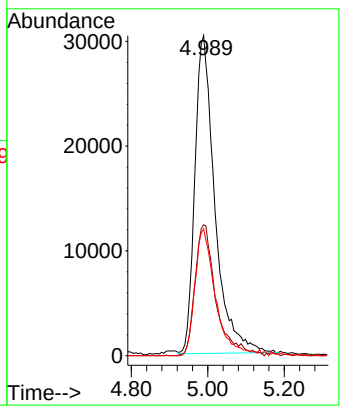
Tgt Ion: 42 Resp: 110389

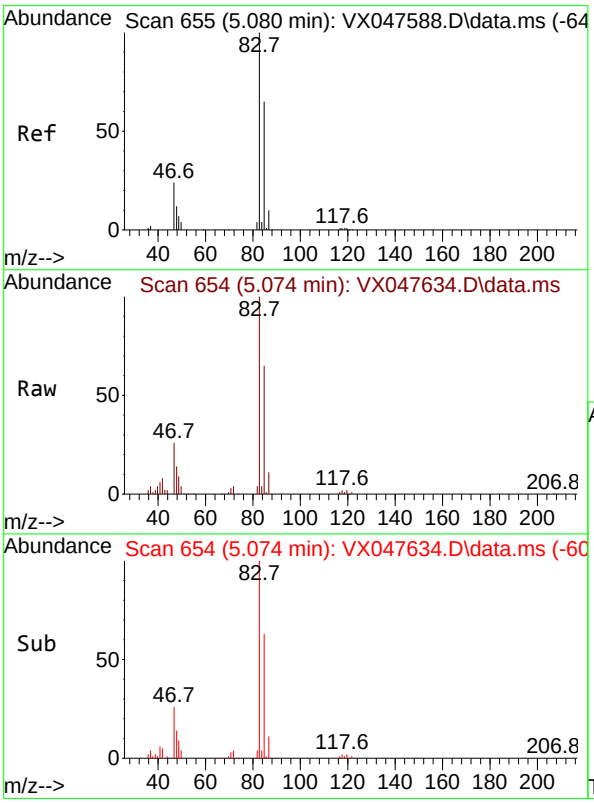
Ion	Ratio	Lower	Upper
42	100		
72	42.9	34.2	51.2
71	40.2	31.9	47.9

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025

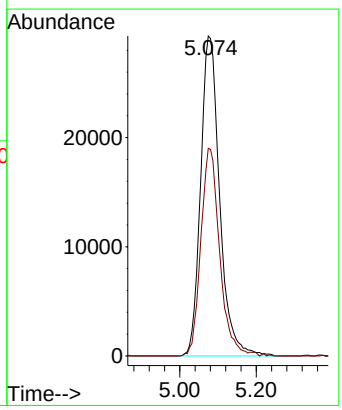


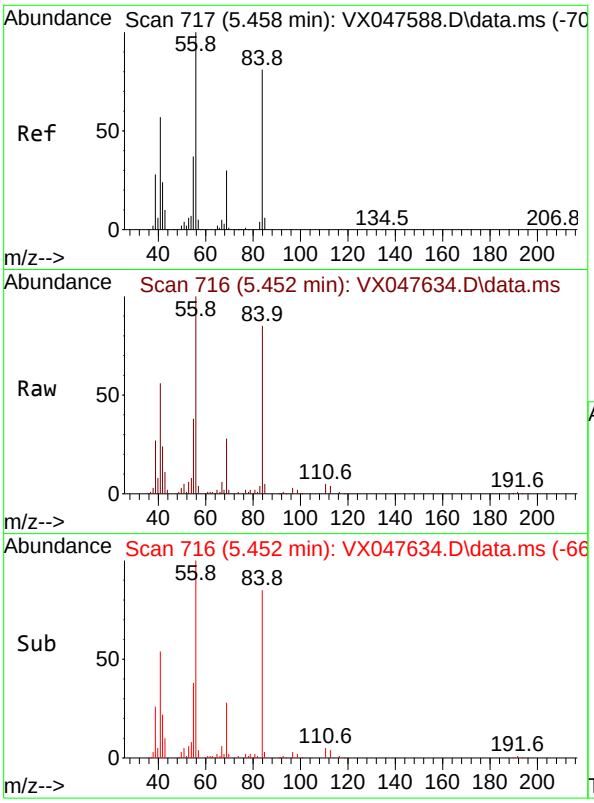


#30
Chloroform
Concen: 21.438 ug/l
RT: 5.074 min Scan# 654
Delta R.T. -0.006 min
Lab File: VX047634.D
Acq: 18 Sep 2025 12:45

Tgt Ion: 83 Resp: 101087

Ion	Ratio	Lower	Upper
83	100		
85	66.1	51.8	77.6

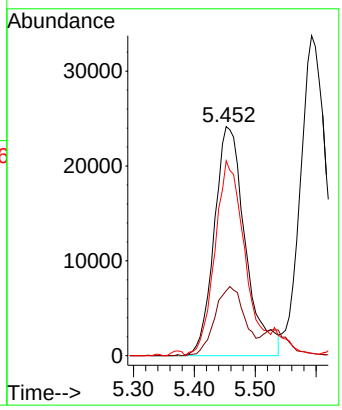




#31
Cyclohexane
Concen: 22.029 ug/l
RT: 5.452 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047634.D
Acq: 18 Sep 2025 12:45

Tgt Ion: 56 Resp: 8561

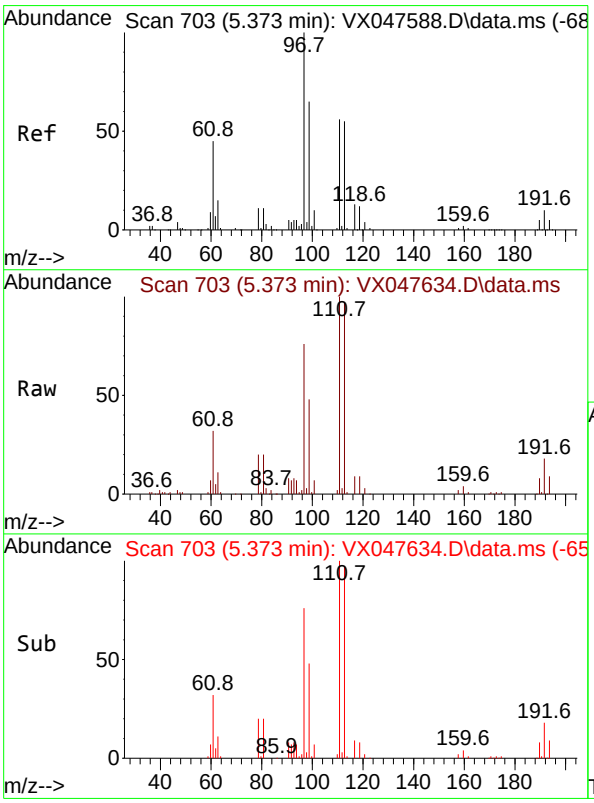
Ion	Ratio	Lower	Upper
56	100		
69	29.5	23.8	35.8
84	82.9	64.6	97.0



Instrument :
MSVOA_X
ClientSampleId :
VX0918WBS01

Manual Integrations
APPROVED

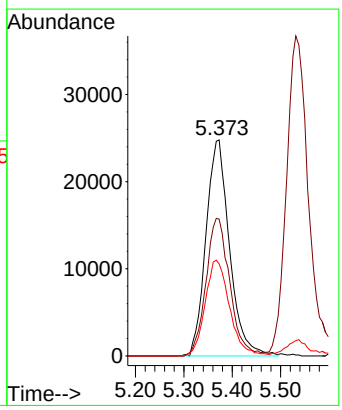
Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025

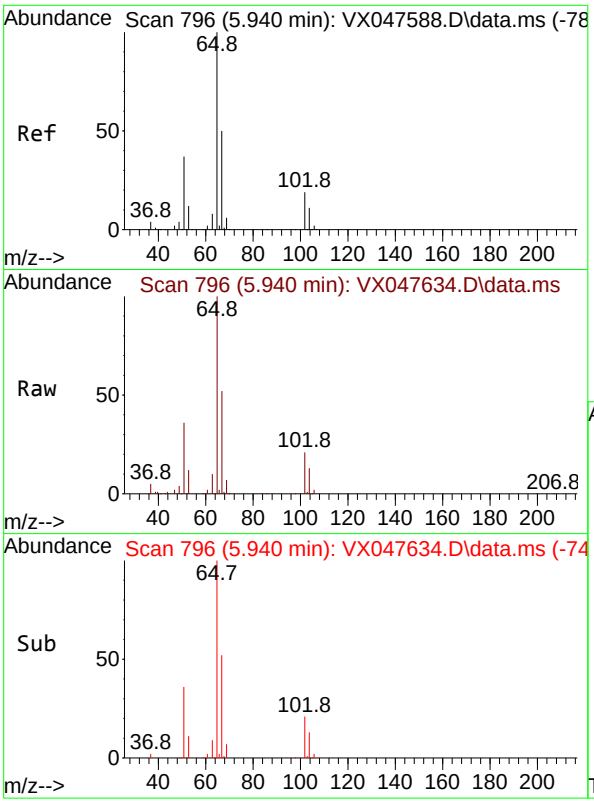


#32
1,1,1-Trichloroethane
Concen: 20.990 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX047634.D
Acq: 18 Sep 2025 12:45

Tgt Ion: 97 Resp: 83950

Ion	Ratio	Lower	Upper
97	100		
99	64.3	50.6	76.0
61	45.7	35.8	53.8

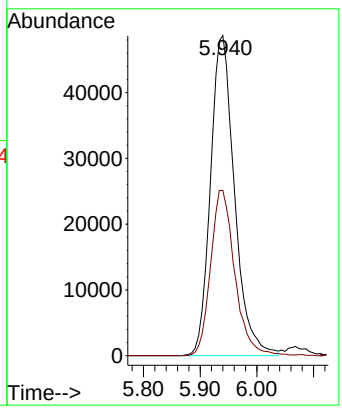




#33
1,2-Dichloroethane-d4
Concen: 48.696 ug/l
RT: 5.940 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047634.D
Acq: 18 Sep 2025 12:45

Tgt Ion: 65 Resp: 14321

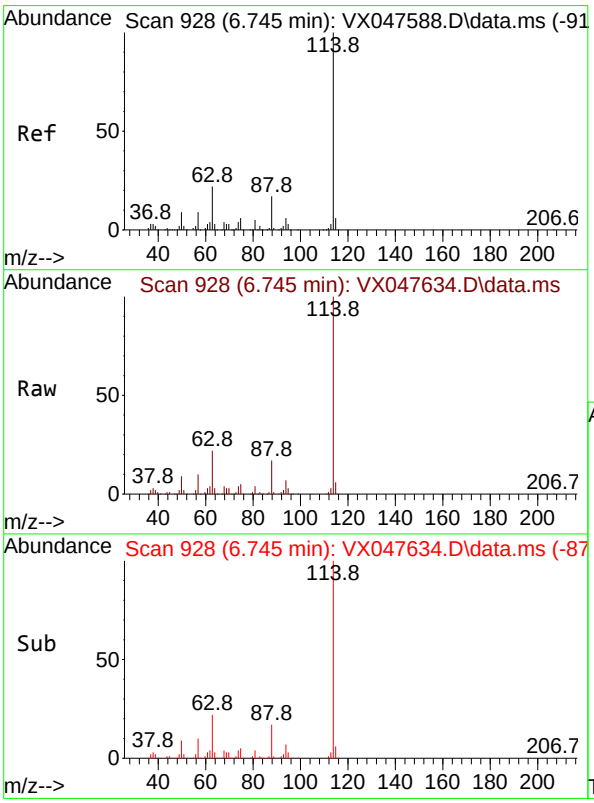
Ion	Ratio	Lower	Upper
65	100		
67	52.0	0.0	103.0



Instrument :
MSVOA_X
ClientSampleId :
VX0918WBS01

Manual Integrations
APPROVED

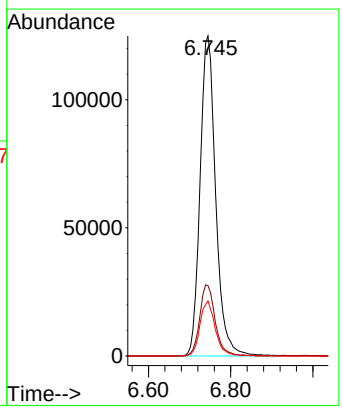
Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025

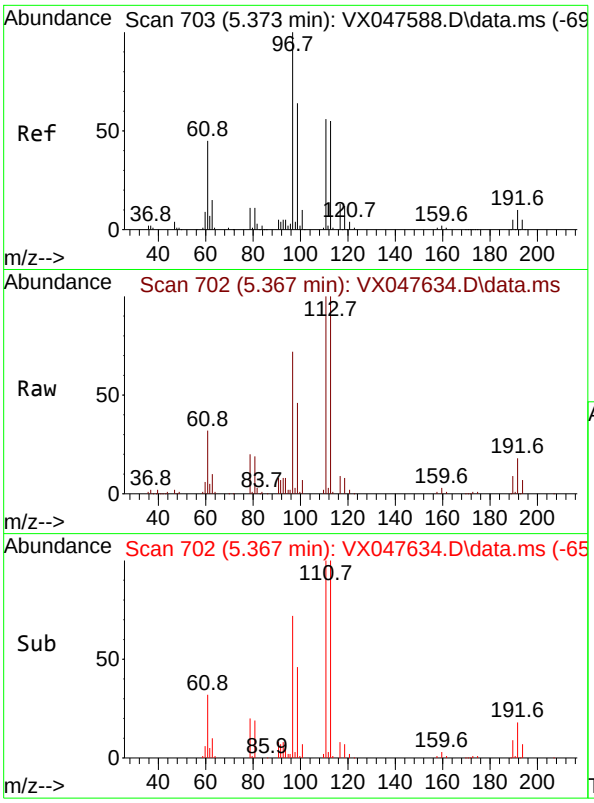


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 928
Delta R.T. -0.000 min
Lab File: VX047634.D
Acq: 18 Sep 2025 12:45

Tgt Ion:114 Resp: 329366

Ion	Ratio	Lower	Upper
114	100		
63	22.0	0.0	44.0
88	17.2	0.0	34.2

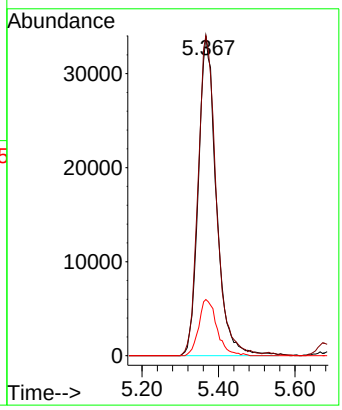




#35
Dibromofluoromethane
Concen: 50.021 ug/l
RT: 5.367 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047634.D
Acq: 18 Sep 2025 12:45

Tgt Ion:113 Resp: 11049

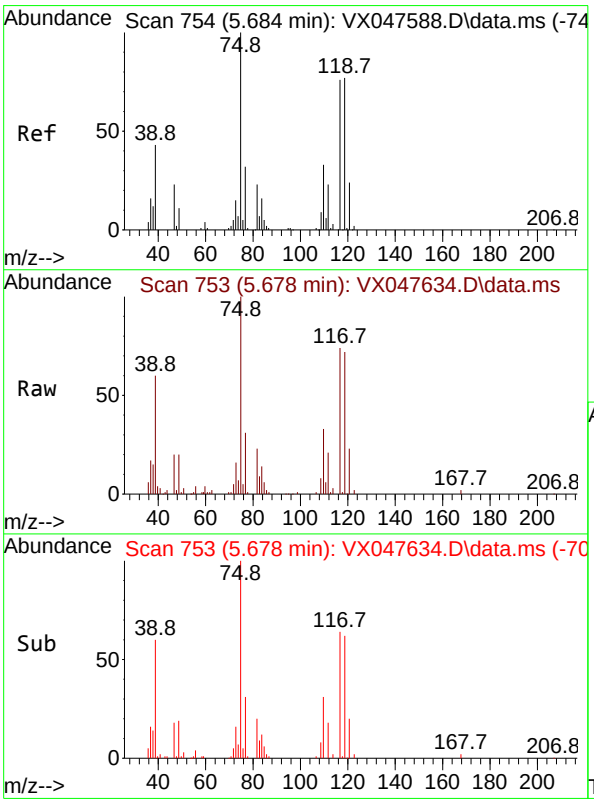
Ion	Ratio	Lower	Upper
113	100		
111	102.0	80.9	121.3
192	17.9	14.2	21.4



Instrument :
MSVOA_X
ClientSampleId :
VX0918WBS01

Manual Integrations APPROVED

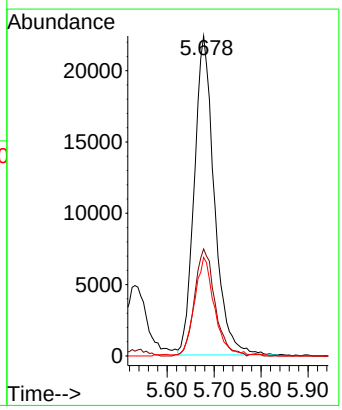
Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025

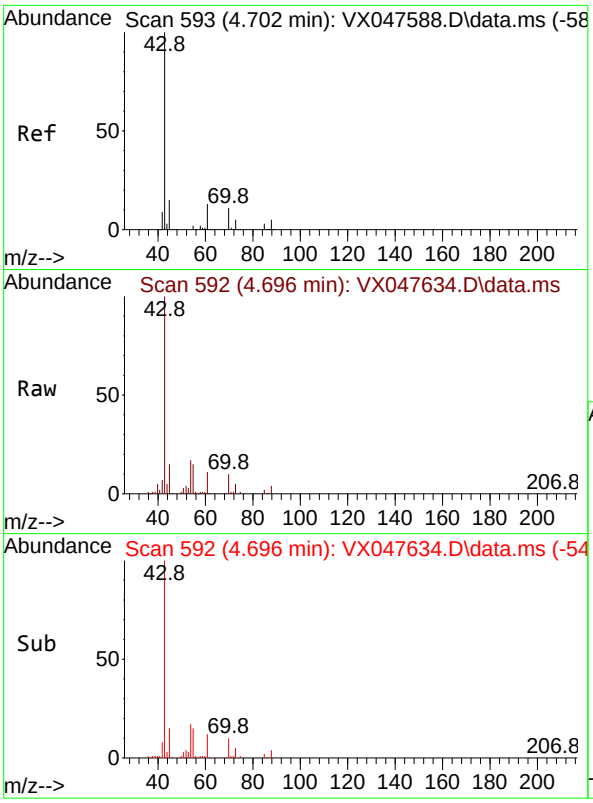


#36
1,1-Dichloropropene
Concen: 20.519 ug/l
RT: 5.678 min Scan# 753
Delta R.T. -0.006 min
Lab File: VX047634.D
Acq: 18 Sep 2025 12:45

Tgt Ion: 75 Resp: 66230

Ion	Ratio	Lower	Upper
75	100		
110	34.2	16.7	50.1
77	30.1	24.3	36.5

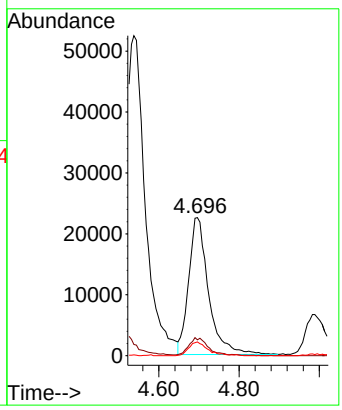




#37
Ethyl Acetate
Concen: 22.381 ug/l
RT: 4.696 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX047634.D
Acq: 18 Sep 2025 12:45

Tgt Ion: 43 Resp: 7735

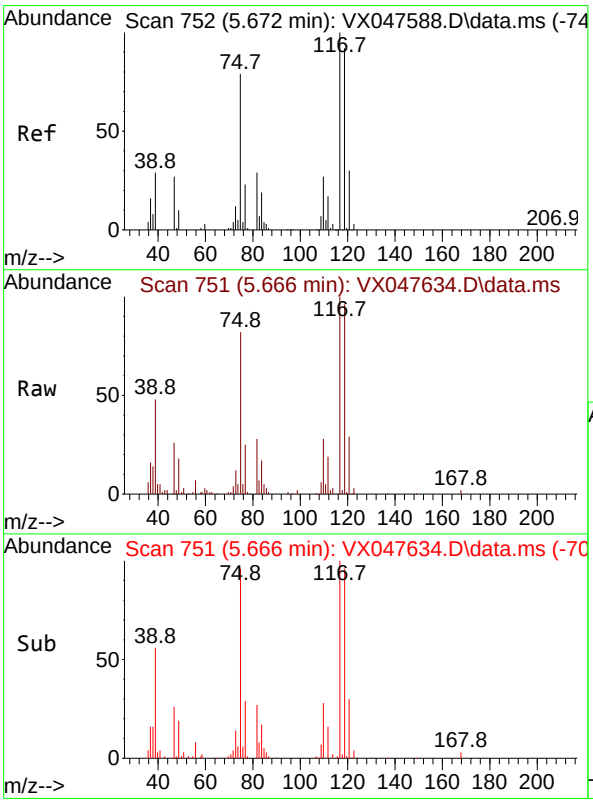
Ion	Ratio	Lower	Upper
43	100		
61	11.3	9.8	14.8
70	9.5	7.9	11.9



Instrument :
MSVOA_X
ClientSampleId :
VX0918WBS01

Manual Integrations
APPROVED

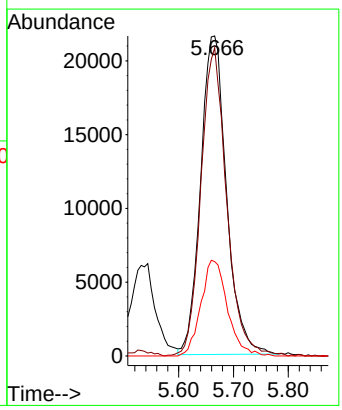
Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025

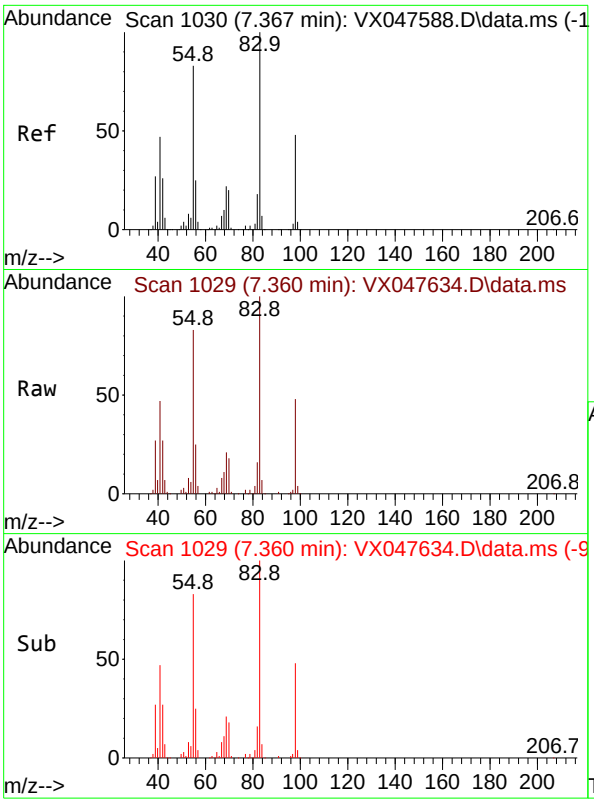


#38
Carbon Tetrachloride
Concen: 20.165 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX047634.D
Acq: 18 Sep 2025 12:45

Tgt Ion:117 Resp: 70717

Ion	Ratio	Lower	Upper
117	100		
119	96.1	73.4	110.2
121	29.7	23.8	35.6





#39
Methylcyclohexane
Concen: 21.456 ug/l
RT: 7.360 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047634.D
Acq: 18 Sep 2025 12:45

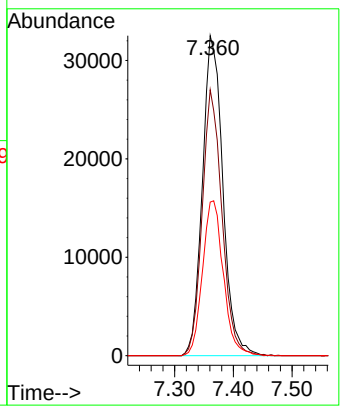
Tgt Ion: 83 Resp: 7861

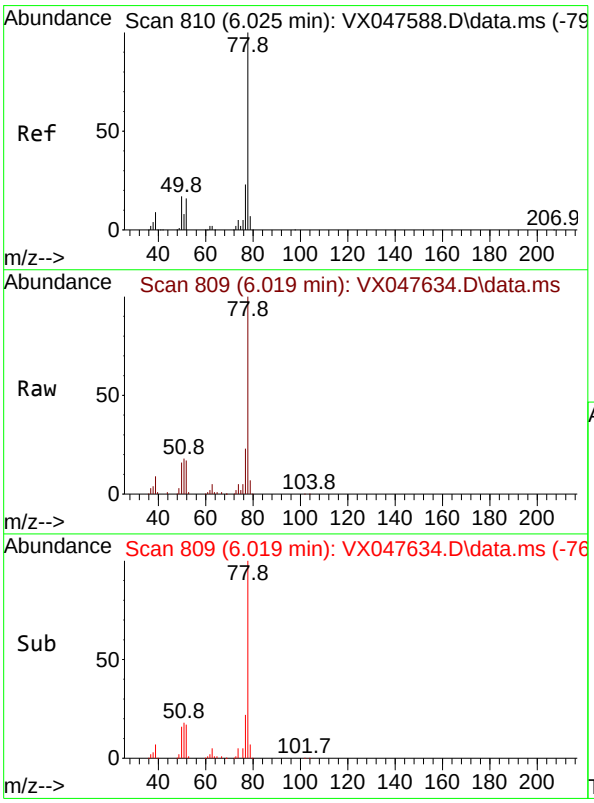
Ion	Ratio	Lower	Upper
83	100		
55	83.1	66.4	99.6
98	48.0	38.1	57.1

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025

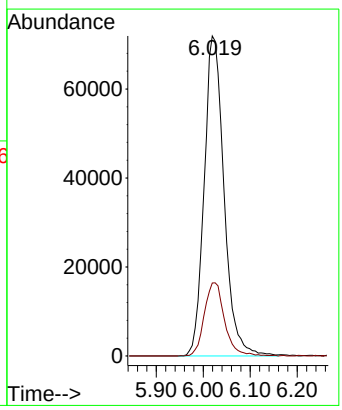


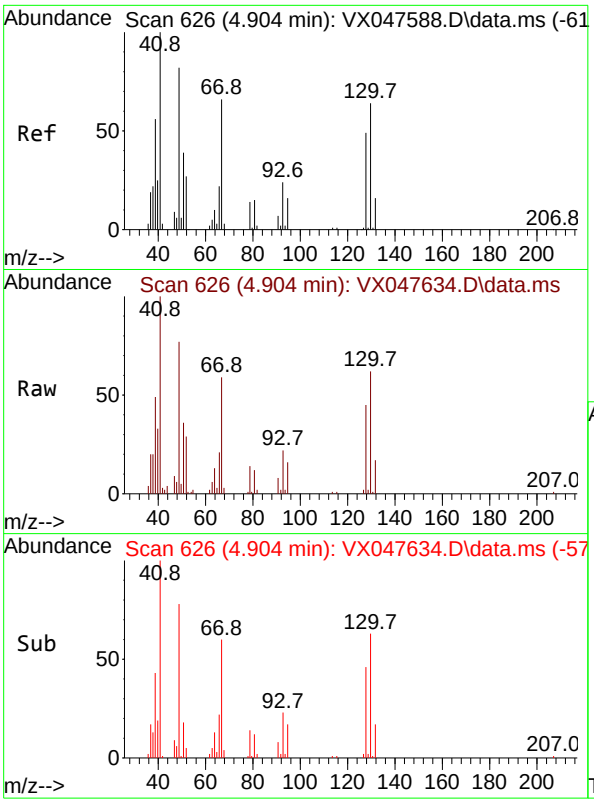


#40
Benzene
Concen: 21.519 ug/l
RT: 6.019 min Scan# 809
Delta R.T. -0.006 min
Lab File: VX047634.D
Acq: 18 Sep 2025 12:45

Tgt Ion: 78 Resp: 210958

Ion	Ratio	Lower	Upper
78	100		
77	22.8	18.8	28.2

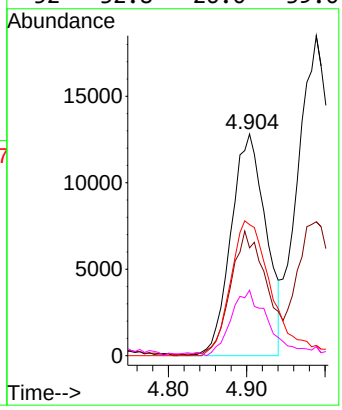




#41
Methacrylonitrile
Concen: 22.282 ug/l
RT: 4.904 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX047634.D
Acq: 18 Sep 2025 12:45

Tgt Ion: 41 Resp: 3975

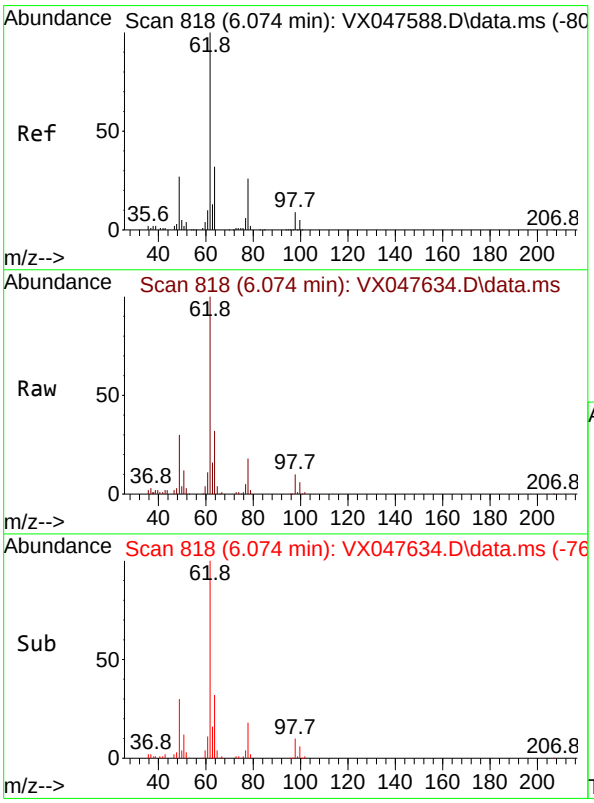
Ion	Ratio	Lower	Upper
41	100		
39	58.2	43.3	64.9
67	72.1	58.6	87.8
52	32.8	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
VX0918WBS01

Manual Integrations
APPROVED

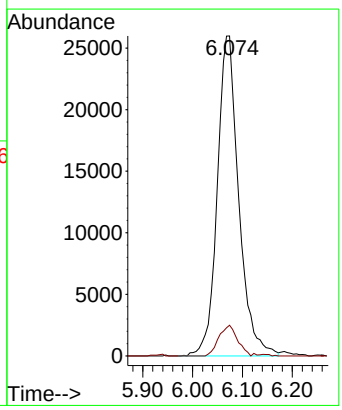
Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025

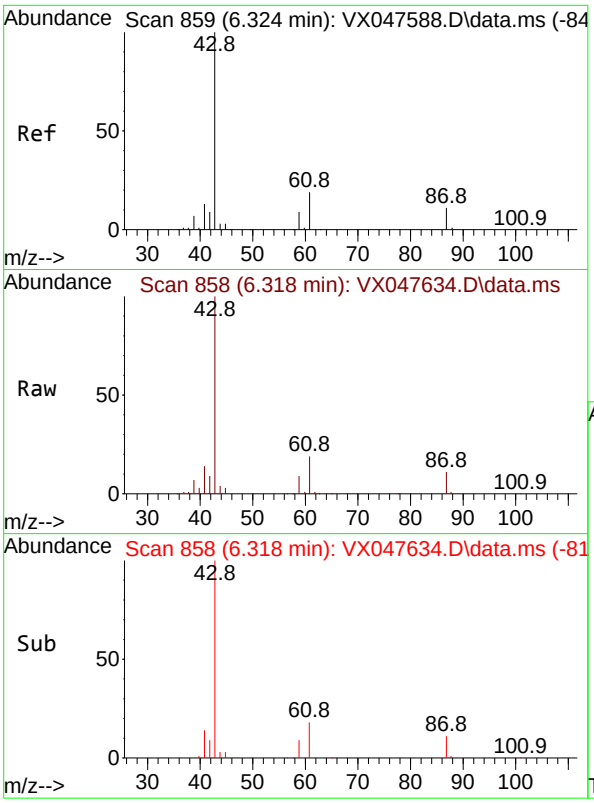


#42
1,2-Dichloroethane
Concen: 20.825 ug/l
RT: 6.074 min Scan# 818
Delta R.T. -0.000 min
Lab File: VX047634.D
Acq: 18 Sep 2025 12:45

Tgt Ion: 62 Resp: 77680

Ion	Ratio	Lower	Upper
62	100		
98	8.3	0.0	17.0

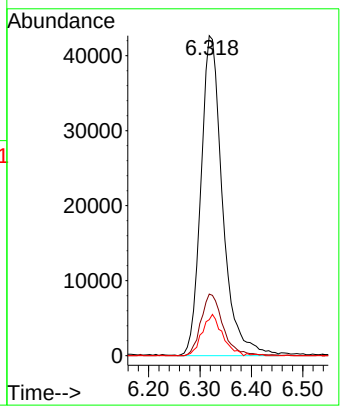




#43
Isopropyl Acetate
Concen: 22.001 ug/l
RT: 6.318 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX047634.D
Acq: 18 Sep 2025 12:45

Tgt Ion: 43 Resp: 12470

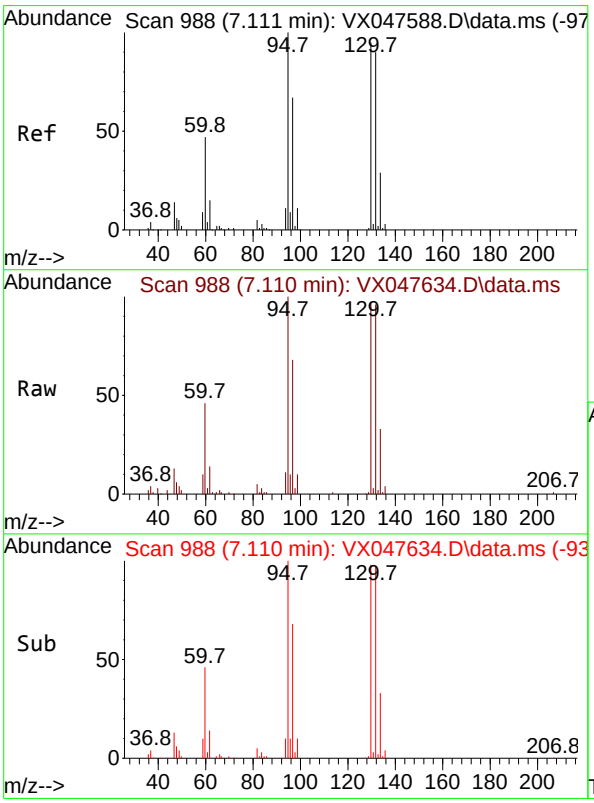
Ion	Ratio	Lower	Upper
43	100		
61	19.7	15.2	22.8
87	12.0	9.6	14.4



Instrument :
MSVOA_X
ClientSampleId :
VX0918WBS01

Manual Integrations
APPROVED

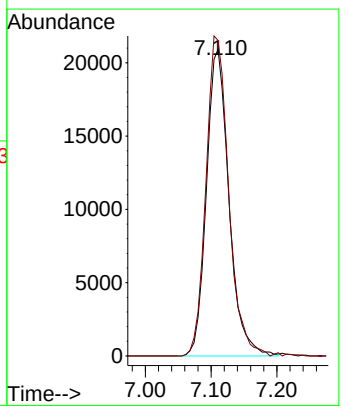
Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025

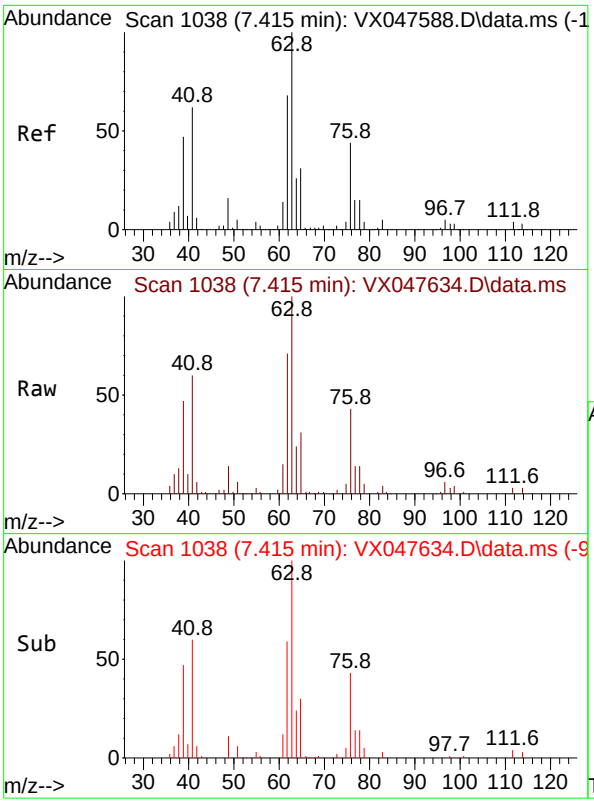


#44
Trichloroethene
Concen: 21.048 ug/l
RT: 7.110 min Scan# 988
Delta R.T. -0.000 min
Lab File: VX047634.D
Acq: 18 Sep 2025 12:45

Tgt Ion:130 Resp: 49886

Ion	Ratio	Lower	Upper
130	100		
95	102.9	0.0	210.8

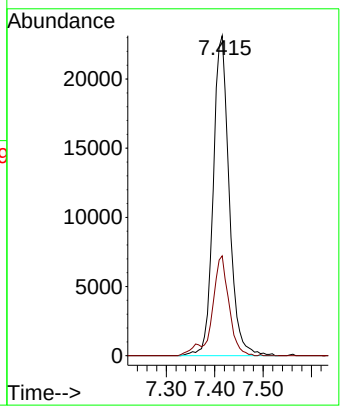




#45
1,2-Dichloropropane
Concen: 21.151 ug/l
RT: 7.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047634.D
Acq: 18 Sep 2025 12:45

Tgt Ion: 63 Resp: 5309

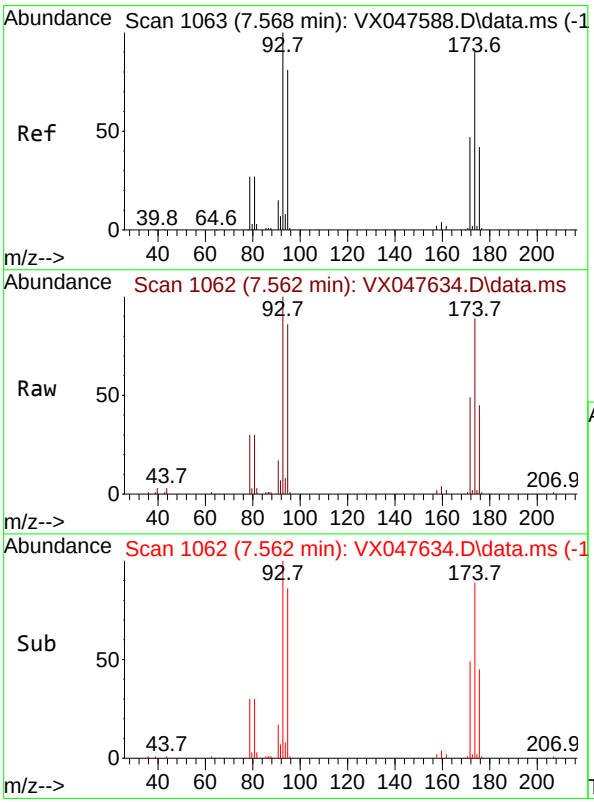
Ion	Ratio	Lower	Upper
63	100		
65	31.2	24.7	37.1



Instrument :
MSVOA_X
ClientSampleId :
VX0918WBS01

Manual Integrations
APPROVED

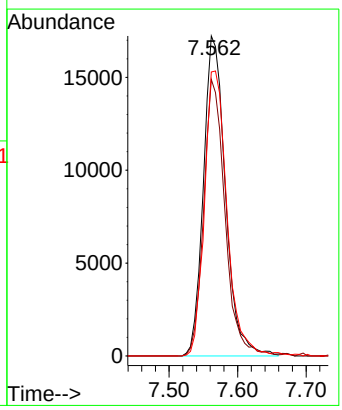
Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025

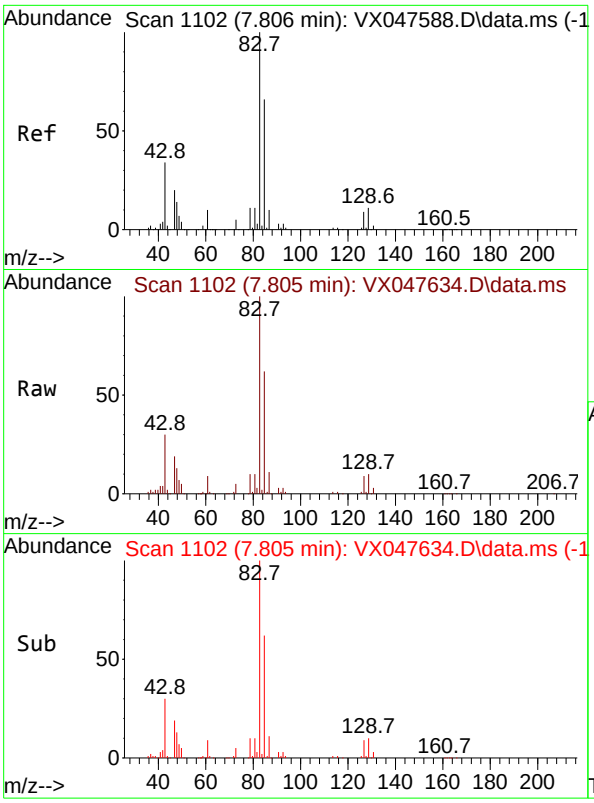


#46
Dibromomethane
Concen: 21.089 ug/l
RT: 7.562 min Scan# 1062
Delta R.T. -0.006 min
Lab File: VX047634.D
Acq: 18 Sep 2025 12:45

Tgt Ion: 93 Resp: 38524

Ion	Ratio	Lower	Upper
93	100		
95	83.6	65.0	97.6
174	90.9	71.6	107.4

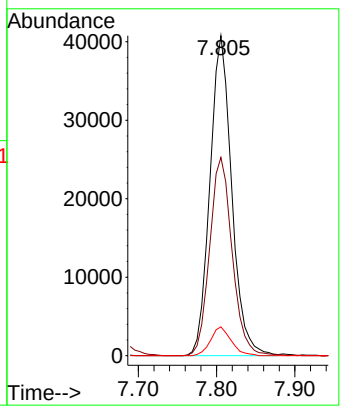




#47
Bromodichloromethane
Concen: 20.923 ug/l
RT: 7.805 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047634.D
Acq: 18 Sep 2025 12:45

Tgt Ion: 83 Resp: 7887

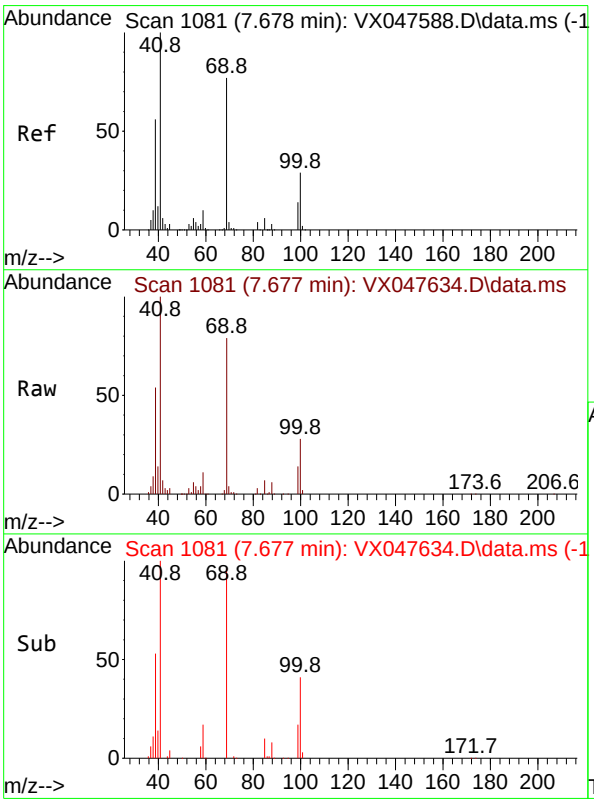
Ion	Ratio	Lower	Upper
83	100		
85	61.9	52.5	78.7
127	9.0	6.9	10.3



Instrument :
MSVOA_X
ClientSampleId :
VX0918WBS01

Manual Integrations APPROVED

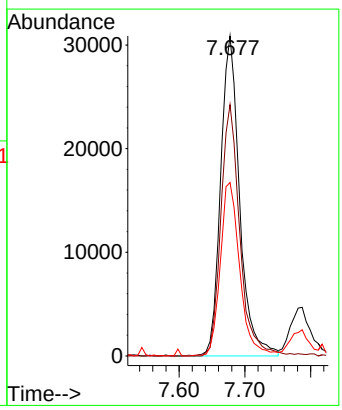
Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025

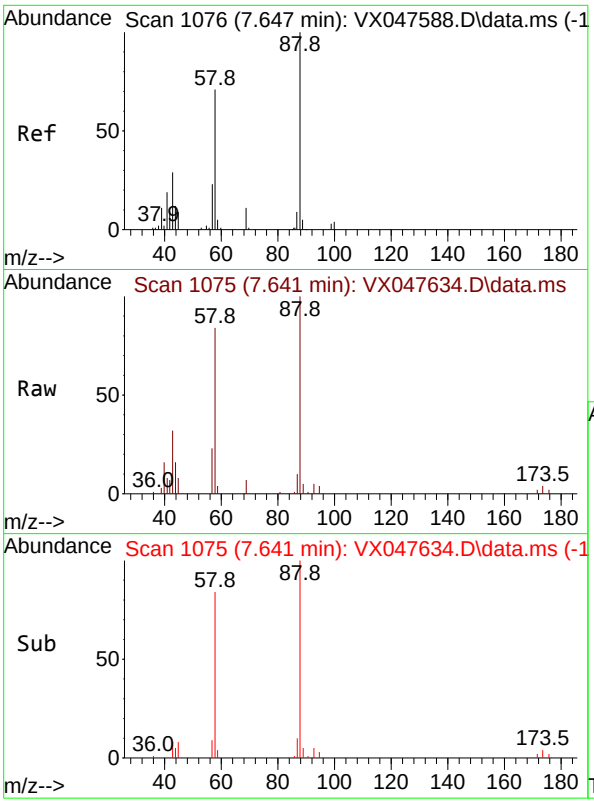


#48
Methyl methacrylate
Concen: 21.998 ug/l
RT: 7.677 min Scan# 1081
Delta R.T. -0.000 min
Lab File: VX047634.D
Acq: 18 Sep 2025 12:45

Tgt Ion: 41 Resp: 62106

Ion	Ratio	Lower	Upper
41	100		
69	78.7	61.4	92.2
39	55.8	45.8	68.6

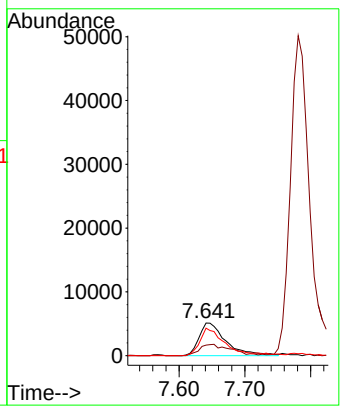




#49
1,4-Dioxane
Concen: 512.327 ug/l
RT: 7.641 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047634.D
Acq: 18 Sep 2025 12:45

Tgt Ion: 88 Resp: 1461

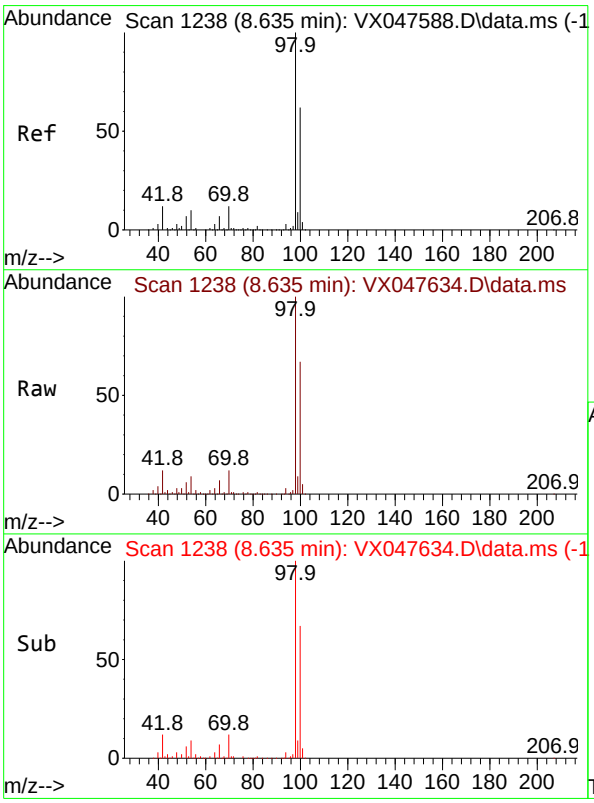
Ion	Ratio	Lower	Upper
88	100		
43	41.4	30.2	45.2
58	80.3	59.5	89.3



Instrument :
MSVOA_X
ClientSampleId :
VX0918WBS01

Manual Integrations APPROVED

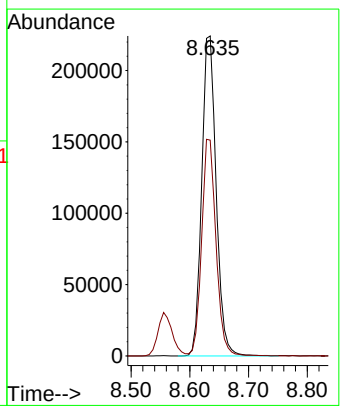
Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025

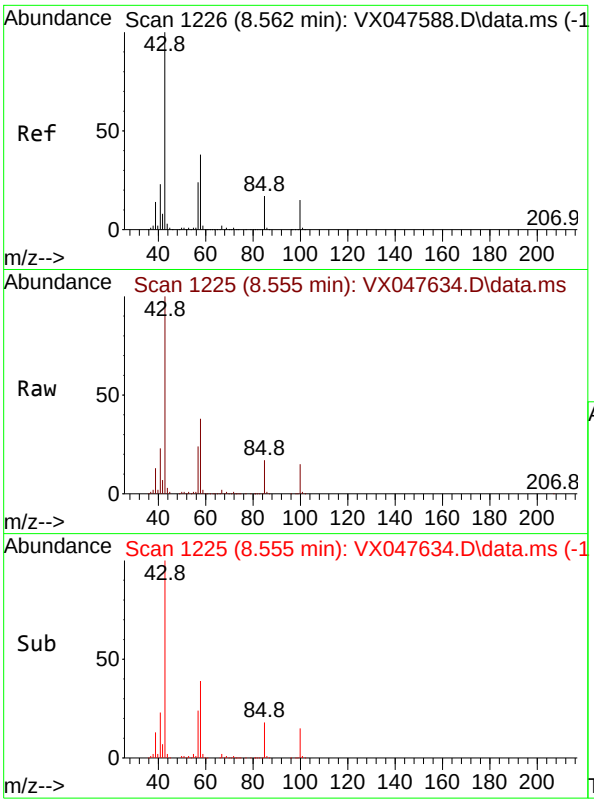


#50
Toluene-d8
Concen: 50.094 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX047634.D
Acq: 18 Sep 2025 12:45

Tgt Ion: 98 Resp: 382885

Ion	Ratio	Lower	Upper
98	100		
100	67.4	53.0	79.4

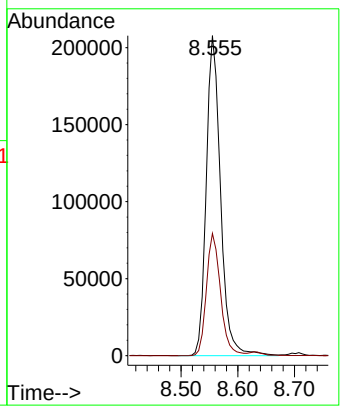




#51
4-Methyl-2-Pentanone
Concen: 115.821 ug/l
RT: 8.555 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047634.D
Acq: 18 Sep 2025 12:45

Tgt Ion: 43 Resp: 36398

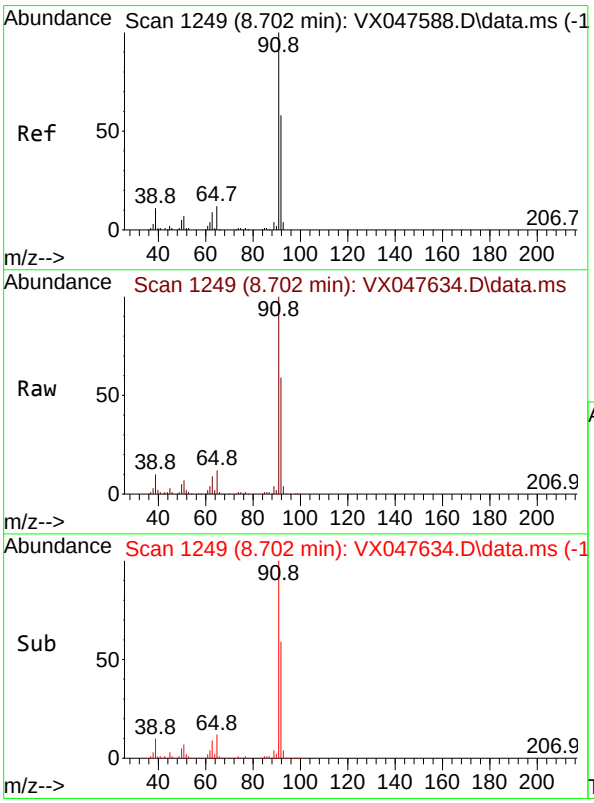
Ion	Ratio	Lower	Upper
43	100		
58	37.6	30.3	45.5



Instrument :
MSVOA_X
ClientSampleId :
VX0918WBS01

Manual Integrations
APPROVED

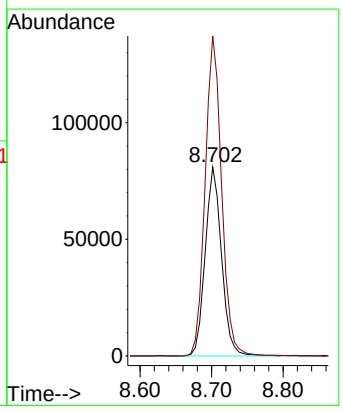
Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025

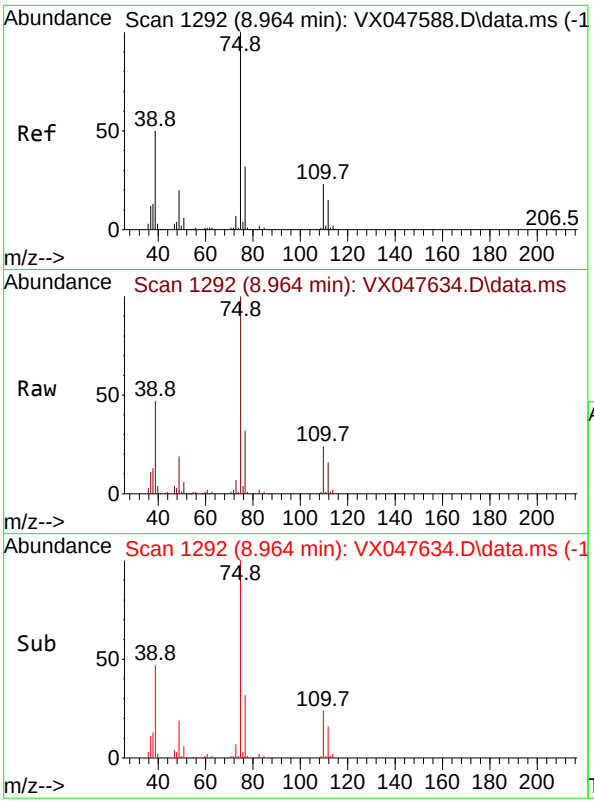


#52
Toluene
Concen: 21.291 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX047634.D
Acq: 18 Sep 2025 12:45

Tgt Ion: 92 Resp: 128593

Ion	Ratio	Lower	Upper
92	100		
91	171.0	137.1	205.7

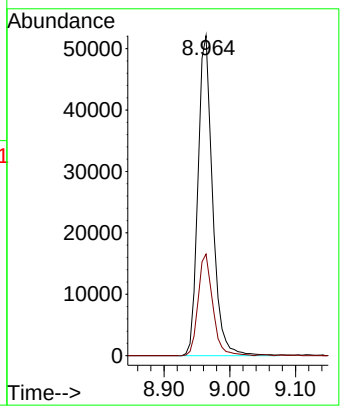




#53
t-1,3-Dichloropropene
Concen: 20.908 ug/l
RT: 8.964 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047634.D
Acq: 18 Sep 2025 12:45

Tgt Ion: 75 Resp: 8039

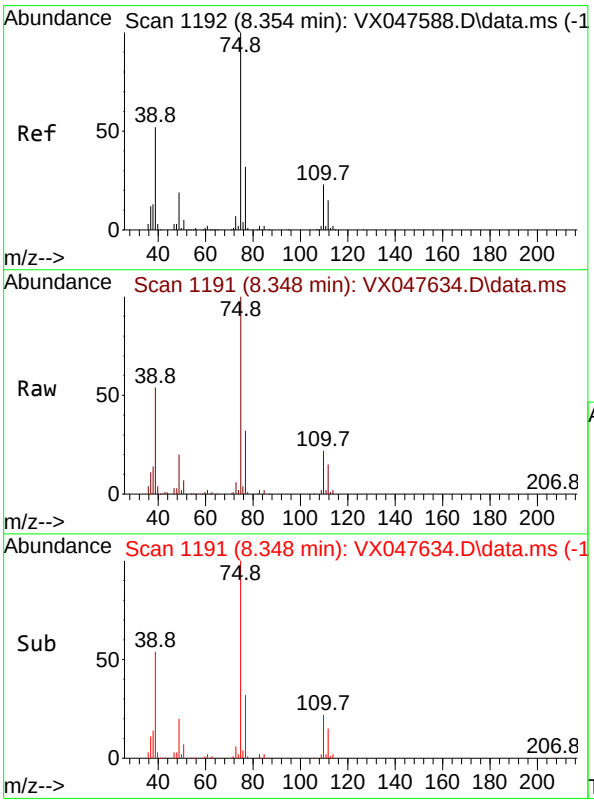
Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.4	38.2



Instrument :
MSVOA_X
ClientSampleId :
VX0918WBS01

Manual Integrations
APPROVED

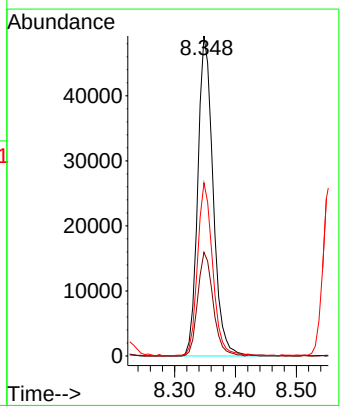
Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025

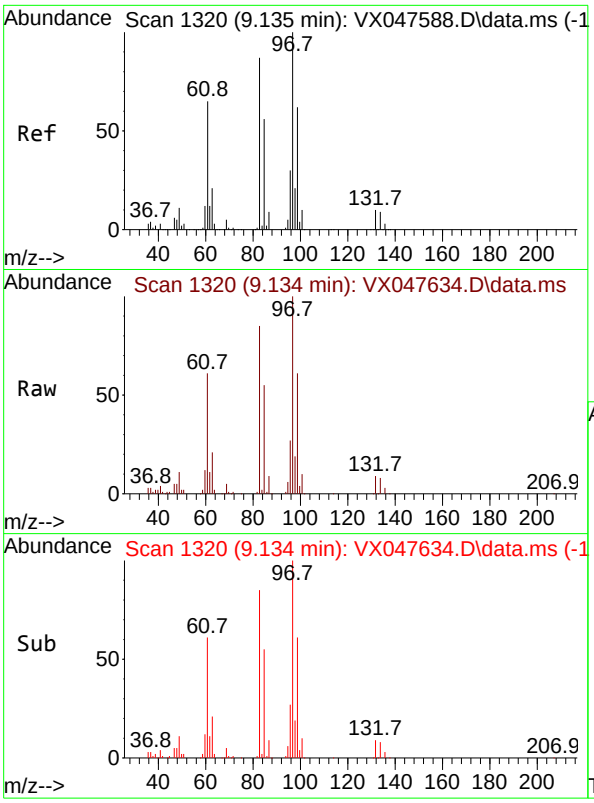


#54
cis-1,3-Dichloropropene
Concen: 20.865 ug/l
RT: 8.348 min Scan# 1191
Delta R.T. -0.006 min
Lab File: VX047634.D
Acq: 18 Sep 2025 12:45

Tgt Ion: 75 Resp: 85751

Ion	Ratio	Lower	Upper
75	100		
77	32.4	25.8	38.6
39	53.8	41.4	62.2

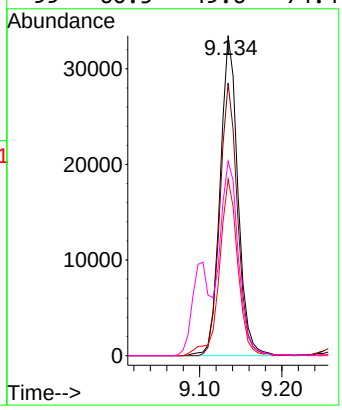




#55
1,1,2-Trichloroethane
Concen: 21.597 ug/l
RT: 9.134 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047634.D
Acq: 18 Sep 2025 12:45

Tgt Ion: 97 Resp: 5029

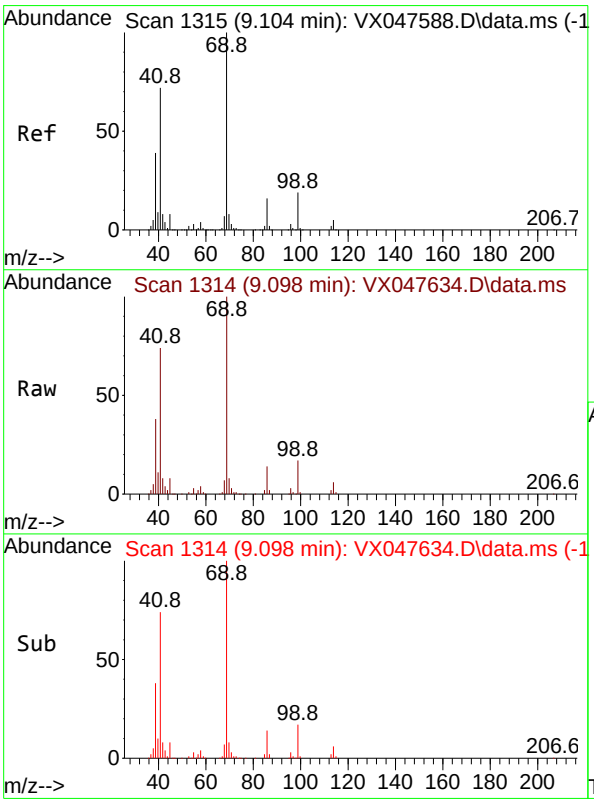
Ion	Ratio	Lower	Upper
97	100		
83	85.2	69.6	104.4
85	55.2	45.0	67.6
99	60.5	49.6	74.4



Instrument :
MSVOA_X
ClientSampleId :
VX0918WBS01

Manual Integrations
APPROVED

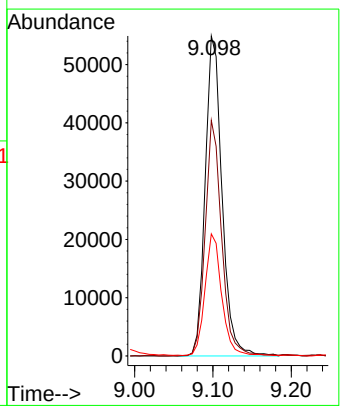
Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025

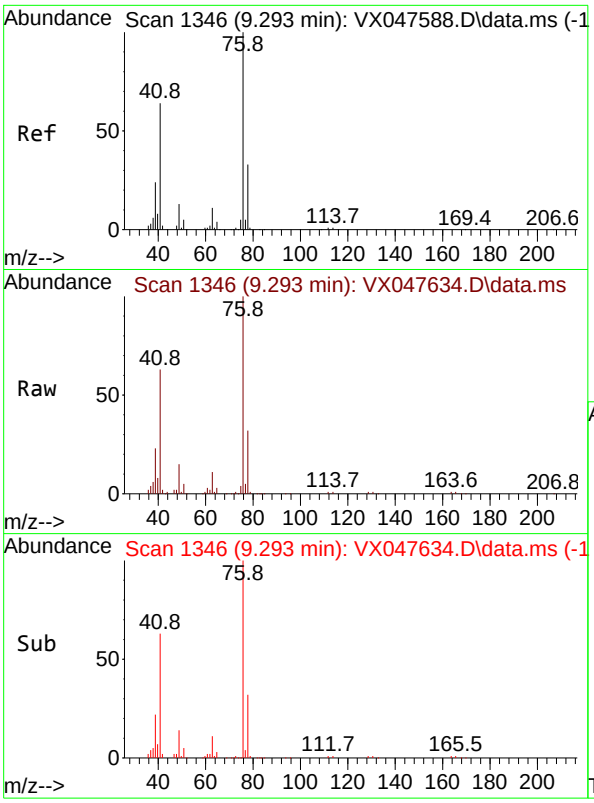


#56
Ethyl methacrylate
Concen: 22.373 ug/l
RT: 9.098 min Scan# 1314
Delta R.T. -0.006 min
Lab File: VX047634.D
Acq: 18 Sep 2025 12:45

Tgt Ion: 69 Resp: 81830

Ion	Ratio	Lower	Upper
69	100		
41	71.8	58.6	87.8
39	37.8	31.5	47.3

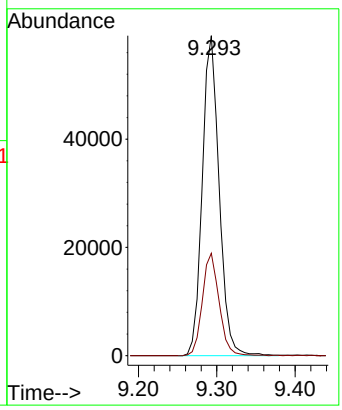




#57
1,3-Dichloropropane
Concen: 22.076 ug/l
RT: 9.293 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047634.D
Acq: 18 Sep 2025 12:45

Tgt Ion: 76 Resp: 8832

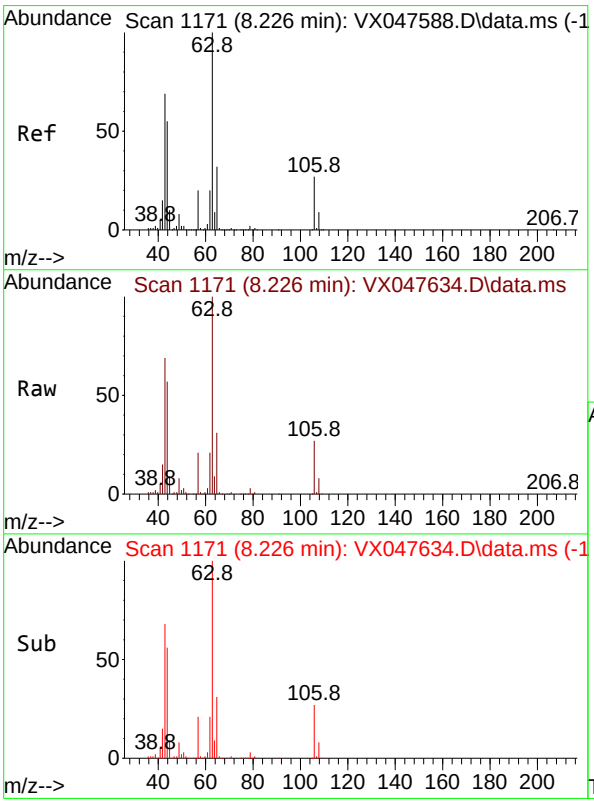
Ion	Ratio	Lower	Upper
76	100		
78	31.7	26.2	39.4



Instrument :
MSVOA_X
ClientSampleId :
VX0918WBS01

Manual Integrations
APPROVED

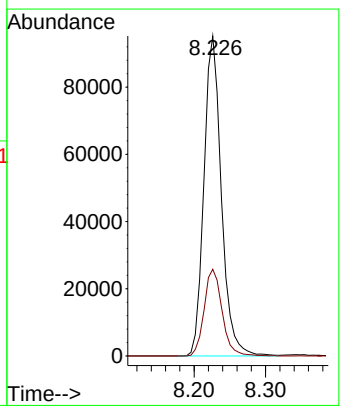
Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025

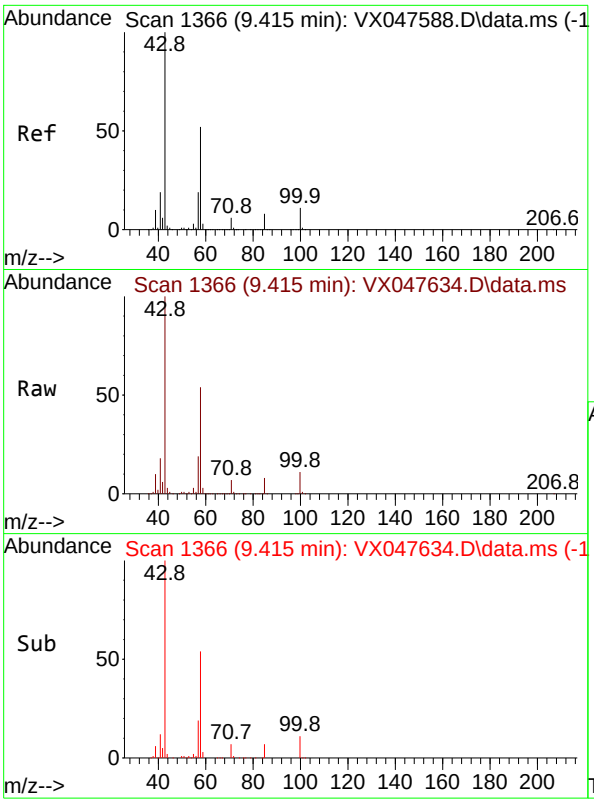


#58
2-Chloroethyl Vinyl ether
Concen: 99.487 ug/l
RT: 8.226 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VX047634.D
Acq: 18 Sep 2025 12:45

Tgt Ion: 63 Resp: 161450

Ion	Ratio	Lower	Upper
63	100		
106	27.9	21.9	32.9

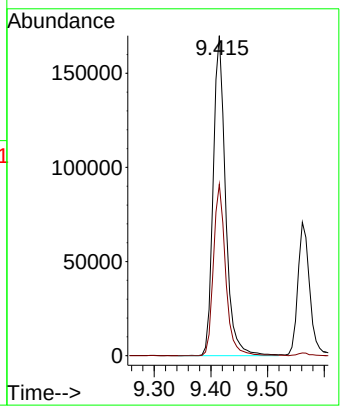




#59
2-Hexanone
Concen: 113.982 ug/l
RT: 9.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047634.D
Acq: 18 Sep 2025 12:45

Tgt Ion: 43 Resp: 25726

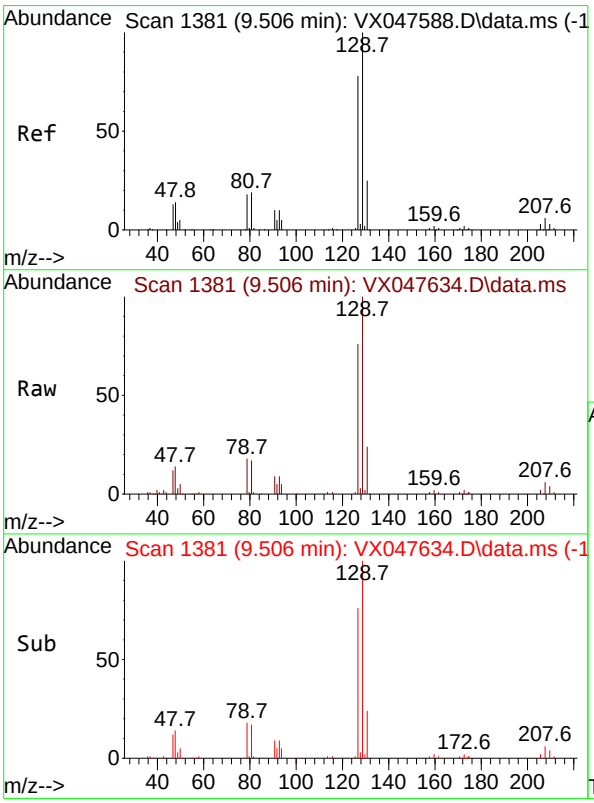
Ion	Ratio	Lower	Upper
43	100		
58	52.7	26.1	78.2



Instrument :
MSVOA_X
ClientSampleId :
VX0918WBS01

Manual Integrations
APPROVED

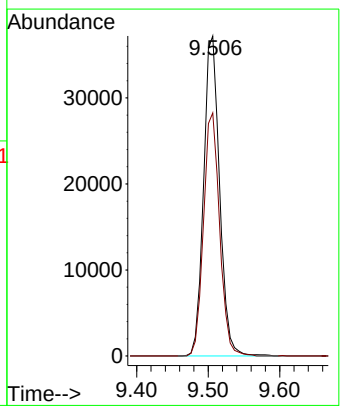
Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025

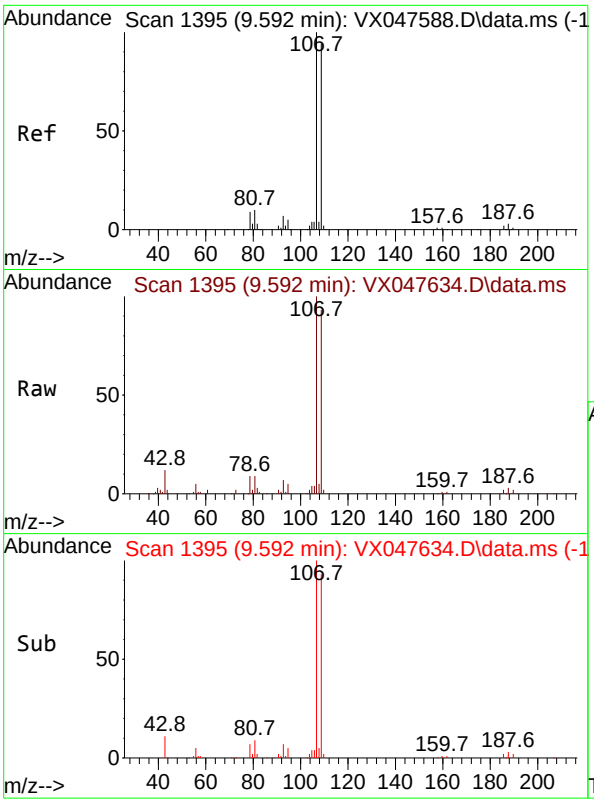


#60
Dibromochloromethane
Concen: 21.519 ug/l
RT: 9.506 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VX047634.D
Acq: 18 Sep 2025 12:45

Tgt Ion:129 Resp: 57746

Ion	Ratio	Lower	Upper
129	100		
127	76.5	38.4	115.2

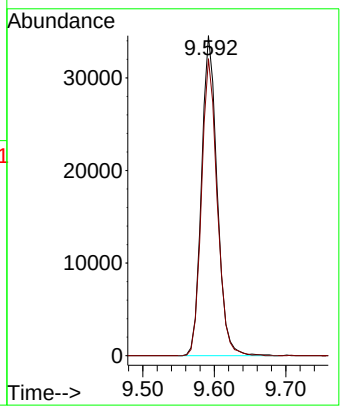




#61
1,2-Dibromoethane
Concen: 22.123 ug/l
RT: 9.592 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047634.D
Acq: 18 Sep 2025 12:45

Tgt Ion:107 Resp: 5247

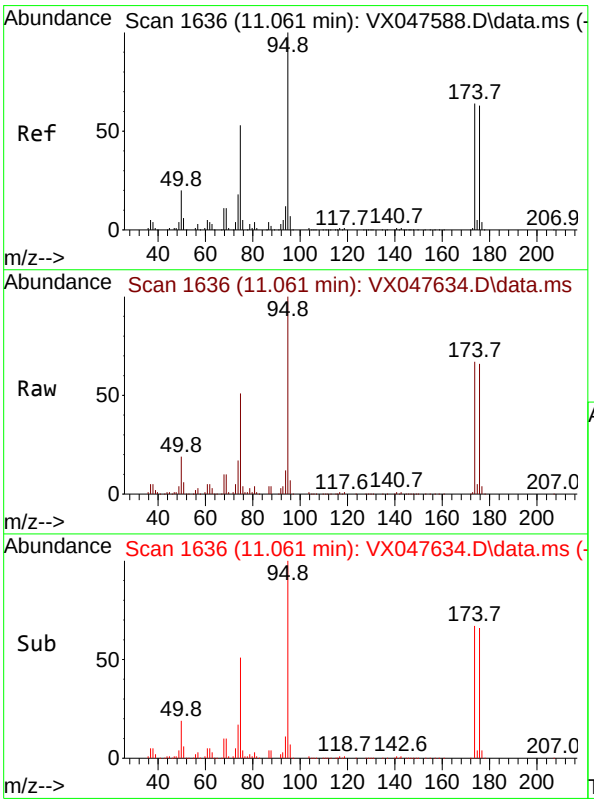
Ion	Ratio	Lower	Upper
107	100		
109	93.2	75.3	112.9



Instrument :
MSVOA_X
ClientSampleId :
VX0918WBS01

Manual Integrations
APPROVED

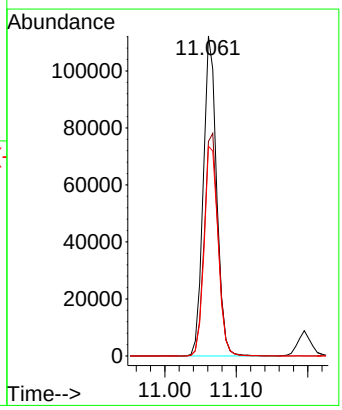
Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025

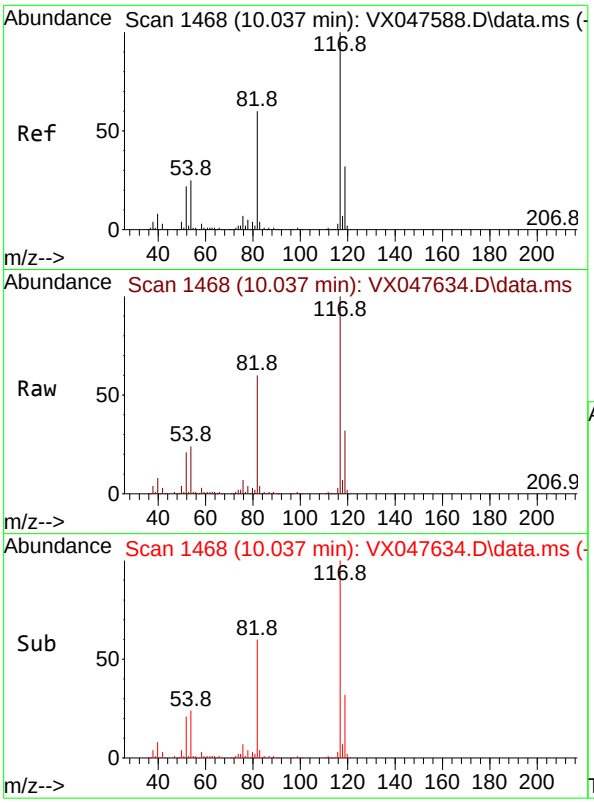


#62
4-Bromofluorobenzene
Concen: 50.237 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX047634.D
Acq: 18 Sep 2025 12:45

Tgt Ion: 95 Resp: 145725

Ion	Ratio	Lower	Upper
95	100		
174	72.2	0.0	141.6
176	68.3	0.0	138.4

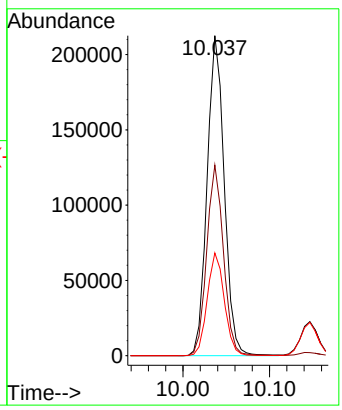




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047634.D
Acq: 18 Sep 2025 12:45

Tgt Ion:117 Resp: 29212

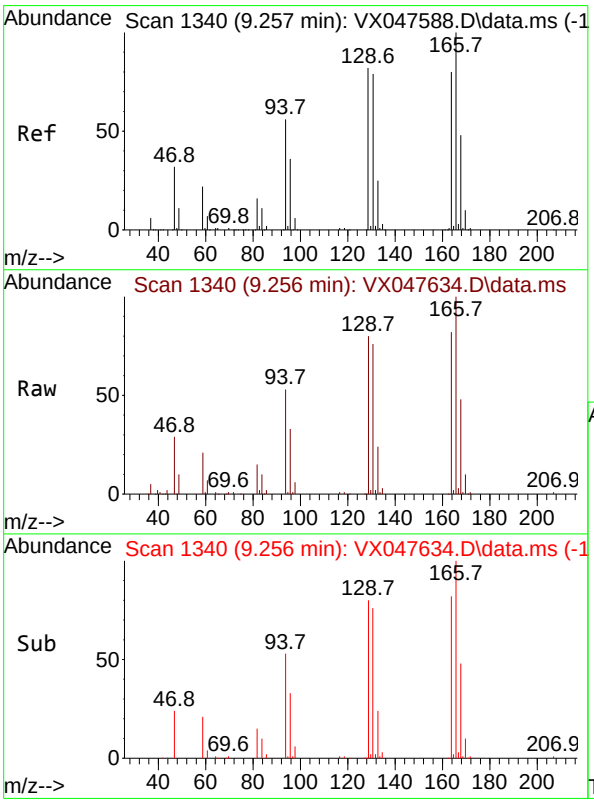
Ion	Ratio	Lower	Upper
117	100		
82	59.6	47.8	71.6
119	32.1	25.2	37.8



Instrument :
MSVOA_X
ClientSampleId :
VX0918WBS01

Manual Integrations
APPROVED

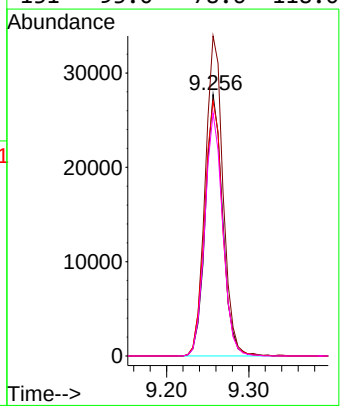
Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025

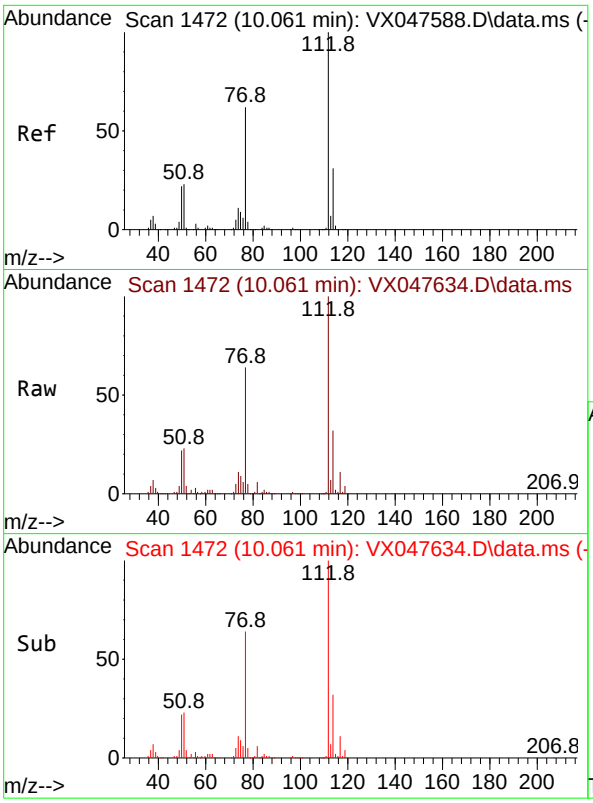


#64
Tetrachloroethene
Concen: 21.204 ug/l
RT: 9.256 min Scan# 1340
Delta R.T. -0.000 min
Lab File: VX047634.D
Acq: 18 Sep 2025 12:45

Tgt Ion:164 Resp: 40380

Ion	Ratio	Lower	Upper
164	100		
166	122.4	100.2	150.2
129	97.5	81.8	122.6
131	93.0	78.6	118.0

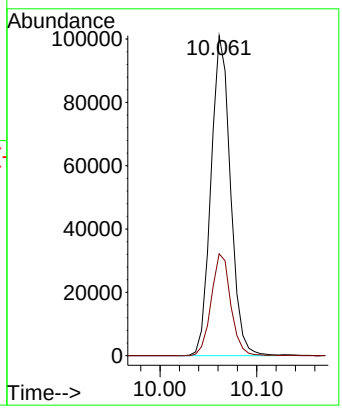




#65
Chlorobenzene
Concen: 21.284 ug/l
RT: 10.061 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047634.D
Acq: 18 Sep 2025 12:45

Tgt Ion:112 Resp: 14125

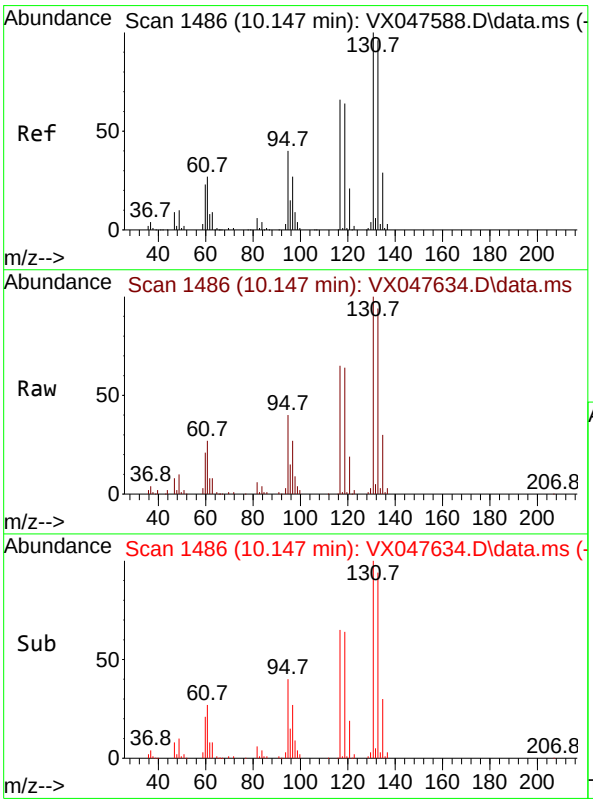
Ion	Ratio	Lower	Upper
112	100		
114	31.8	25.1	37.7



Instrument :
MSVOA_X
ClientSampleId :
VX0918WBS01

Manual Integrations
APPROVED

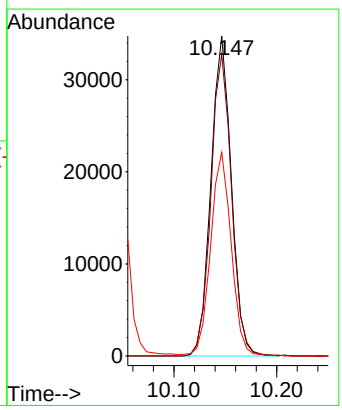
Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025

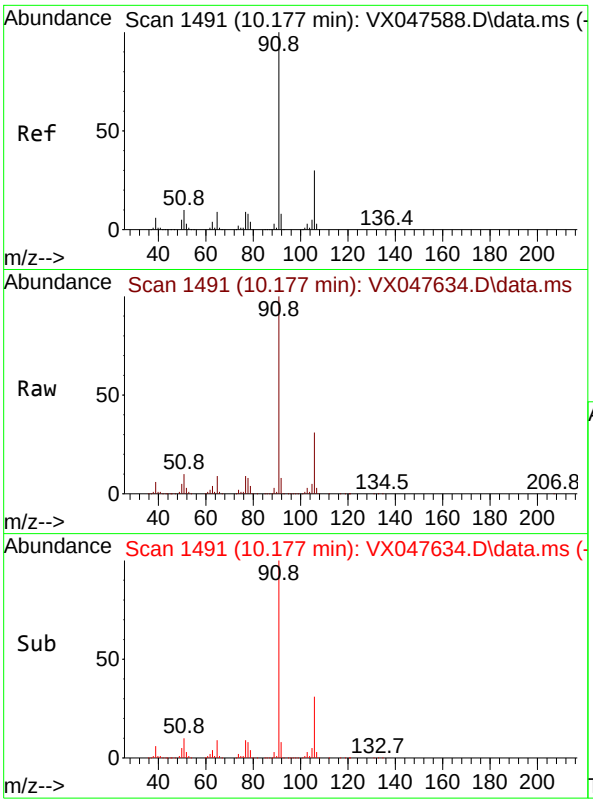


#66
1,1,1,2-Tetrachloroethane
Concen: 20.860 ug/l
RT: 10.147 min Scan# 1486
Delta R.T. -0.000 min
Lab File: VX047634.D
Acq: 18 Sep 2025 12:45

Tgt Ion:131 Resp: 47770

Ion	Ratio	Lower	Upper
131	100		
133	95.7	47.3	142.0
119	64.5	32.0	96.0

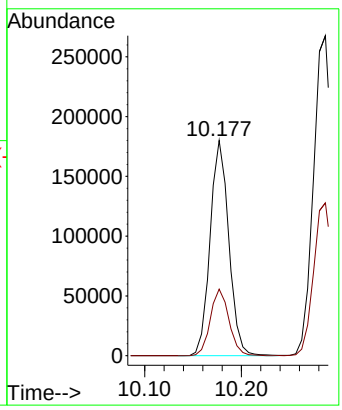




#67
Ethyl Benzene
Concen: 21.123 ug/l
RT: 10.177 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047634.D
Acq: 18 Sep 2025 12:45

Tgt Ion: 91 Resp: 24186

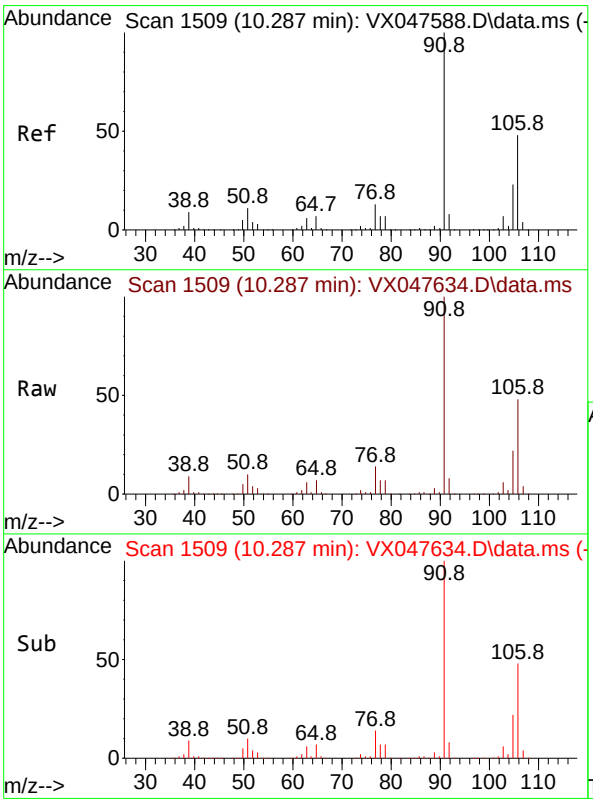
Ion	Ratio	Lower	Upper
91	100		
106	30.9	24.3	36.5



Instrument :
MSVOA_X
ClientSampleId :
VX0918WBS01

Manual Integrations
APPROVED

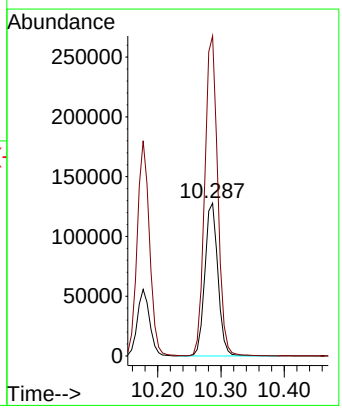
Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025

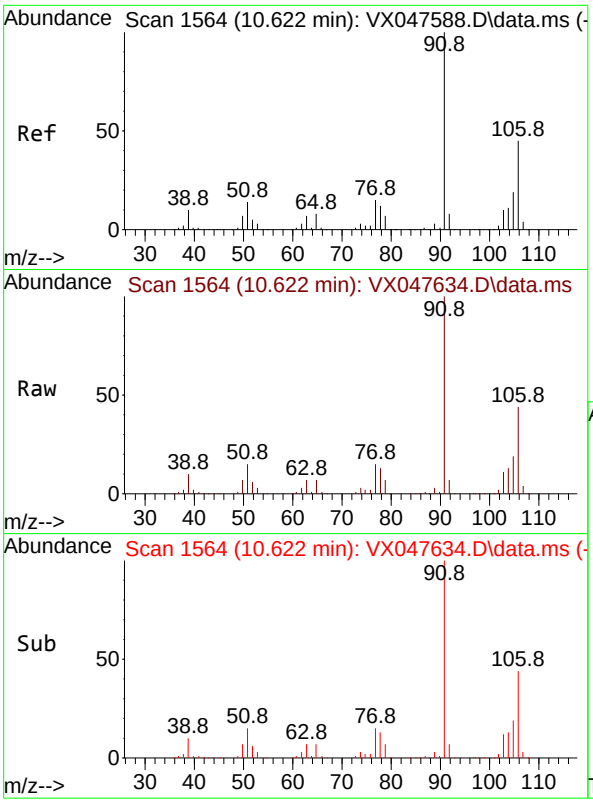


#68
m/p-Xylenes
Concen: 43.025 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VX047634.D
Acq: 18 Sep 2025 12:45

Tgt Ion:106 Resp: 183376

Ion	Ratio	Lower	Upper
106	100		
91	208.1	167.8	251.8

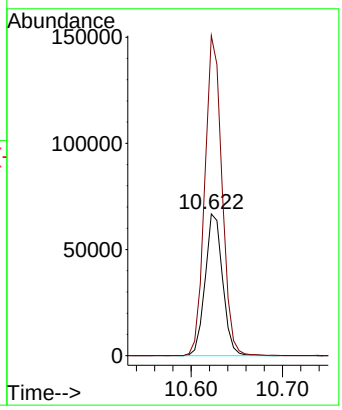




#69
o-Xylene
Concen: 21.487 ug/l
RT: 10.622 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047634.D
Acq: 18 Sep 2025 12:45

Tgt Ion:106 Resp: 8858

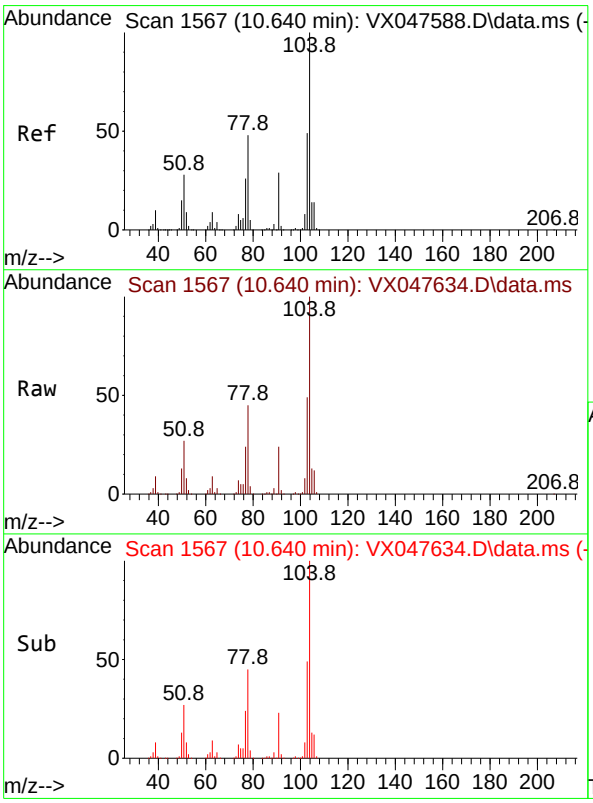
Ion	Ratio	Lower	Upper
106	100		
91	221.7	111.1	333.4



Instrument :
MSVOA_X
ClientSampleId :
VX0918WBS01

Manual Integrations
APPROVED

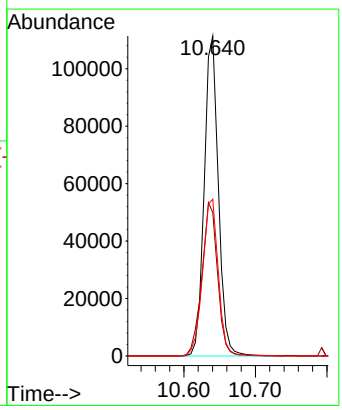
Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025

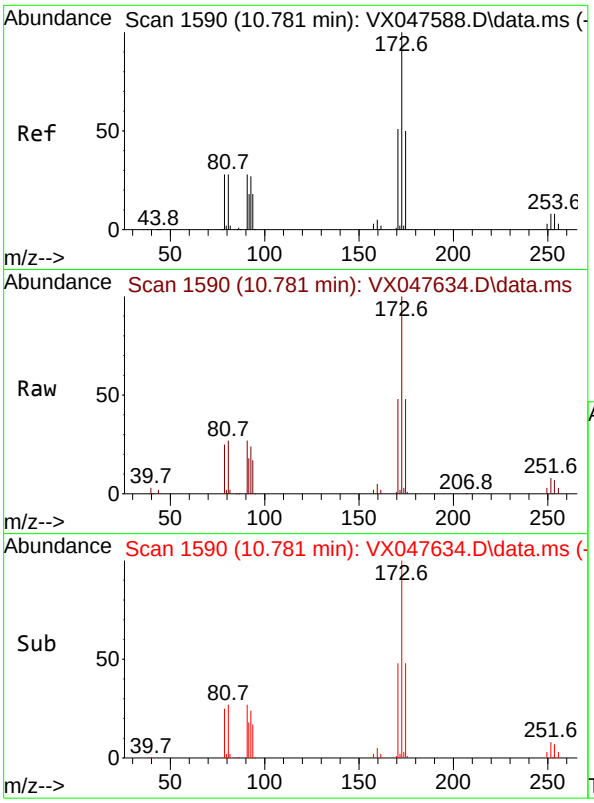


#70
Styrene
Concen: 21.203 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX047634.D
Acq: 18 Sep 2025 12:45

Tgt Ion:104 Resp: 153153

Ion	Ratio	Lower	Upper
104	100		
78	53.2	43.1	64.7
103	54.3	43.1	64.7

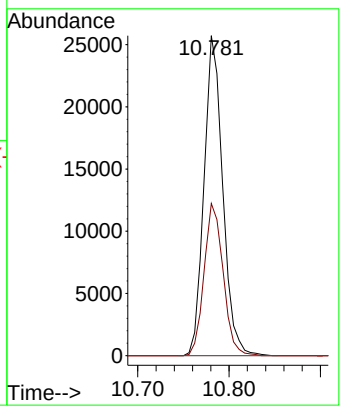




#71
Bromoform
Concen: 21.327 ug/l
RT: 10.781 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047634.D
Acq: 18 Sep 2025 12:45

Tgt Ion:173 Resp: 3646

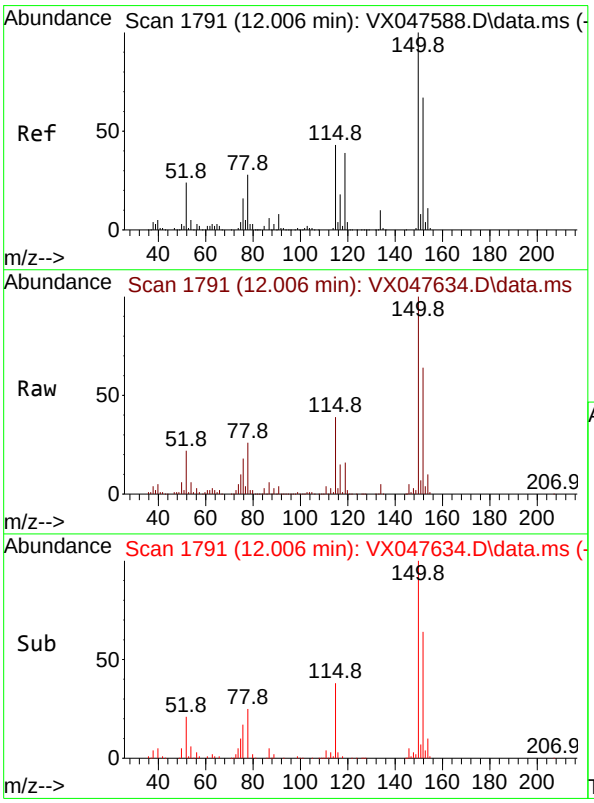
Ion	Ratio	Lower	Upper
173	100		
175	48.4	24.9	74.6
254	0.0	0.1	0.1



Instrument :
MSVOA_X
ClientSampleId :
VX0918WBS01

Manual Integrations APPROVED

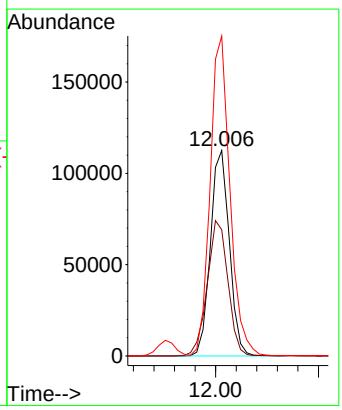
Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025

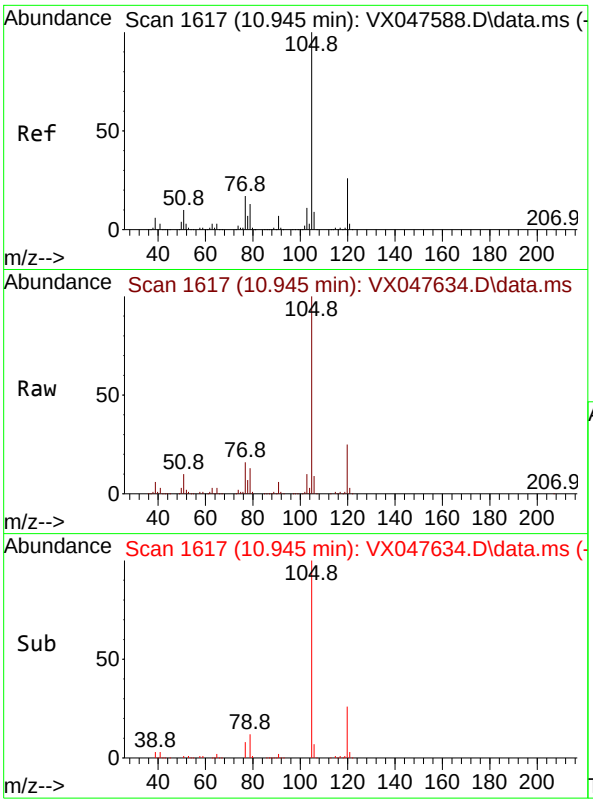


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047634.D
Acq: 18 Sep 2025 12:45

Tgt Ion:152 Resp: 143266

Ion	Ratio	Lower	Upper
152	100		
115	72.1	44.9	134.5
150	163.0	0.0	352.0

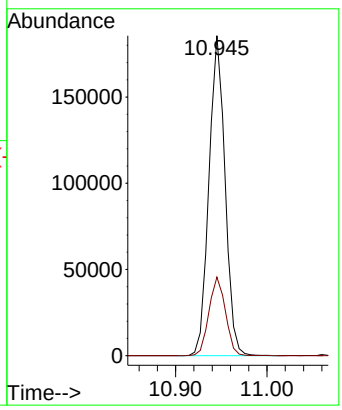




#73
Isopropylbenzene
Concen: 20.806 ug/l
RT: 10.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047634.D
Acq: 18 Sep 2025 12:45

Tgt Ion:105 Resp: 22662

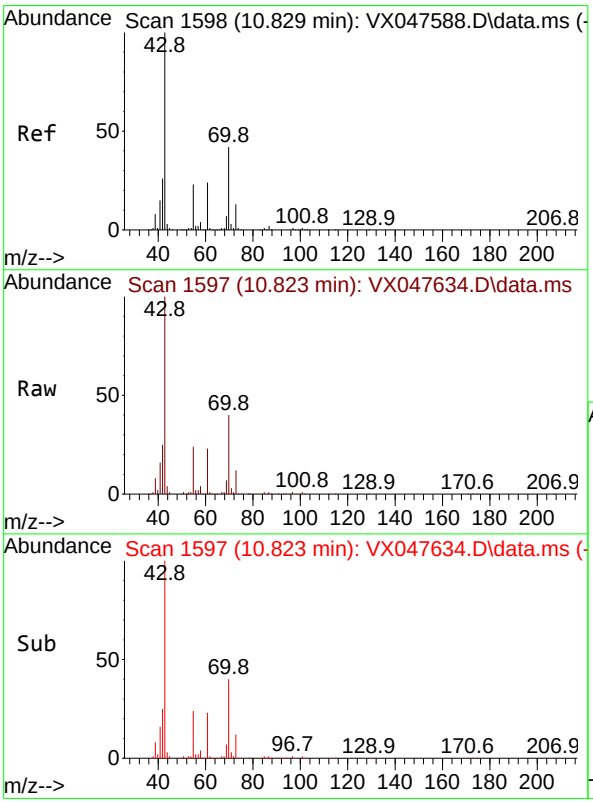
Ion	Ratio	Lower	Upper
105	100		
120	25.2	12.8	38.4



Instrument :
MSVOA_X
ClientSampleId :
VX0918WBS01

Manual Integrations
APPROVED

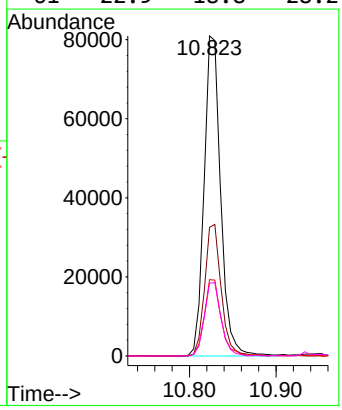
Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025

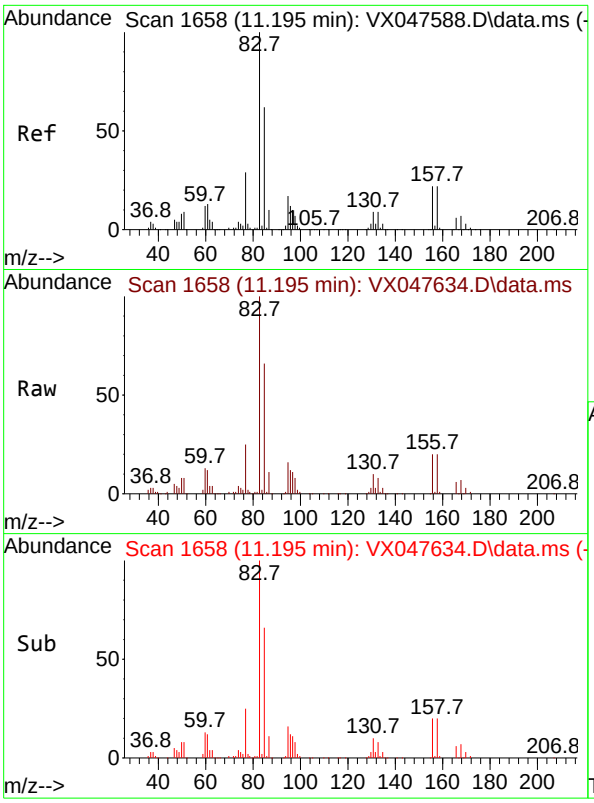


#74
N-amyl acetate
Concen: 21.707 ug/l
RT: 10.823 min Scan# 1597
Delta R.T. -0.006 min
Lab File: VX047634.D
Acq: 18 Sep 2025 12:45

Tgt Ion: 43 Resp: 107819

Ion	Ratio	Lower	Upper
43	100		
70	40.9	32.0	48.0
55	24.4	18.9	28.3
61	22.9	18.8	28.2





#75
1,1,2,2-Tetrachloroethane
Concen: 21.632 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047634.D
Acq: 18 Sep 2025 12:45

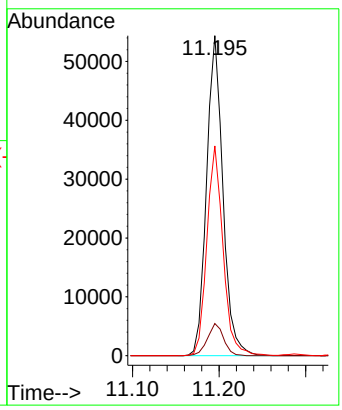
Tgt Ion: 83 Resp: 7128

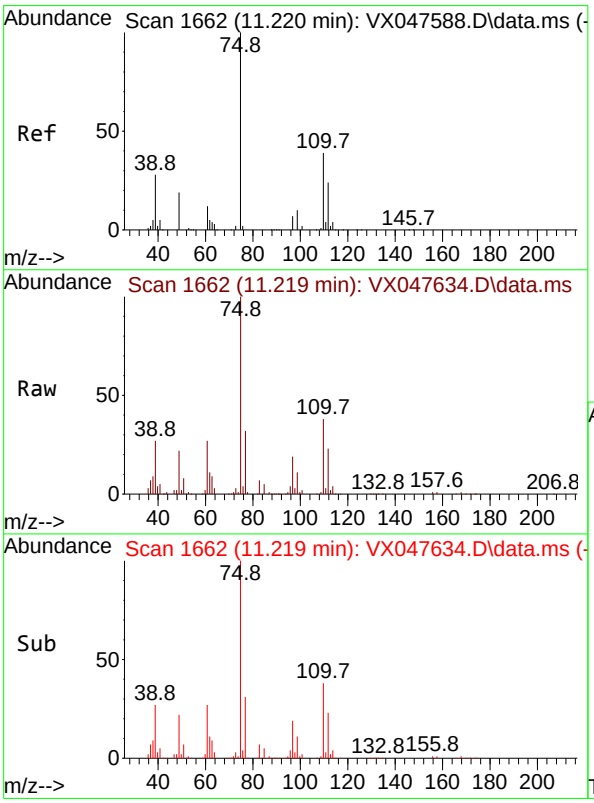
Ion	Ratio	Lower	Upper
83	100		
131	10.0	5.0	14.9
85	65.0	31.6	95.0

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025

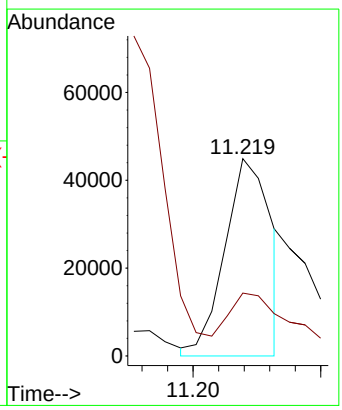


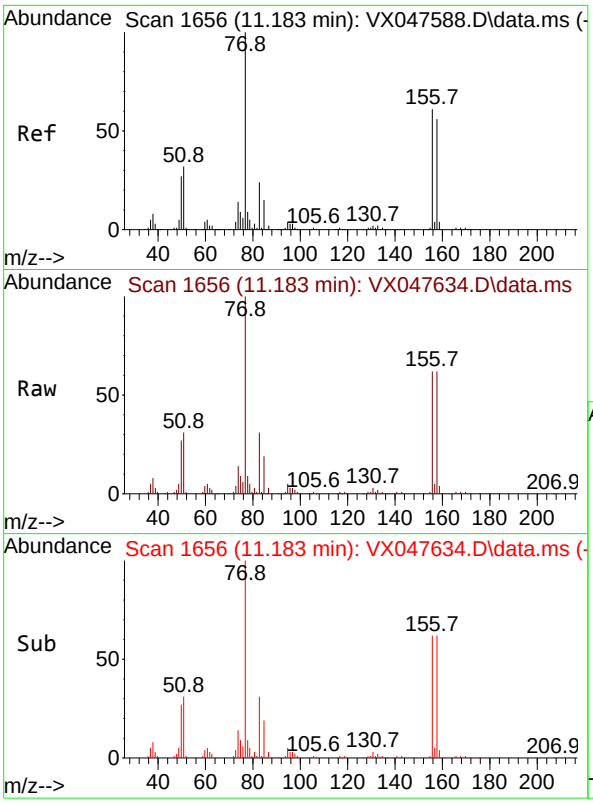


#76
1,2,3-Trichloropropane
Concen: 19.482 ug/l m
RT: 11.219 min Scan# 1662
Delta R.T. -0.000 min
Lab File: VX047634.D
Acq: 18 Sep 2025 12:45

Tgt Ion: 75 Resp: 56510

Ion	Ratio	Lower	Upper
75	100		
77	44.0	18.8	56.4

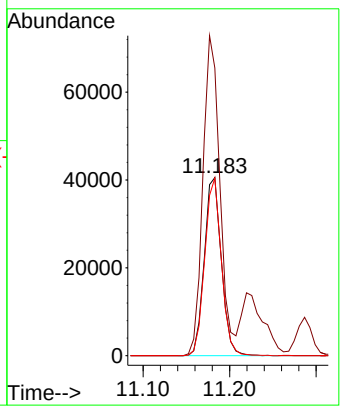




#77
Bromobenzene
Concen: 20.699 ug/l
RT: 11.183 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047634.D
Acq: 18 Sep 2025 12:45

Tgt Ion:156 Resp: 5552

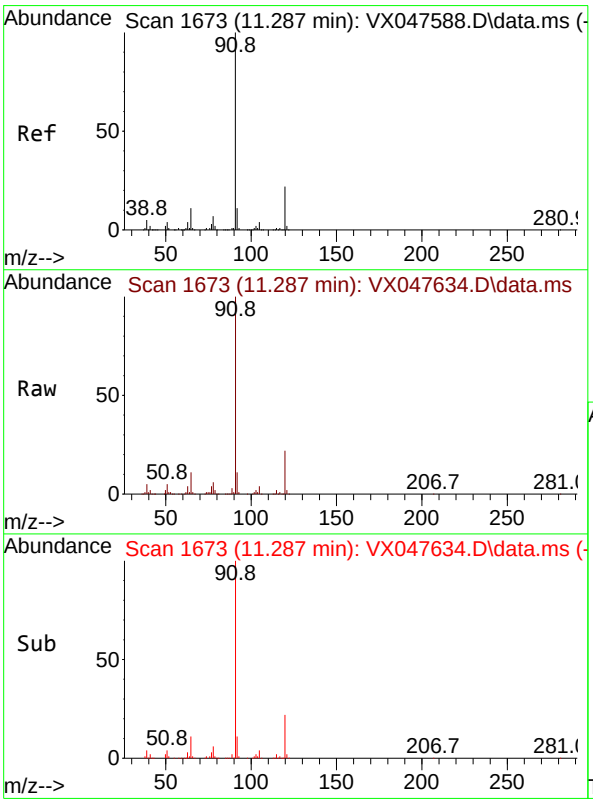
Ion	Ratio	Lower	Upper
156	100		
77	178.9	89.7	269.1
158	97.2	47.9	143.6



Instrument :
MSVOA_X
ClientSampleId :
VX0918WBS01

Manual Integrations
APPROVED

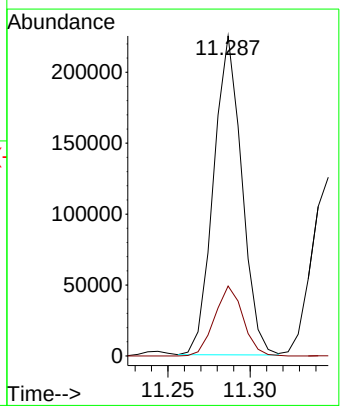
Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025

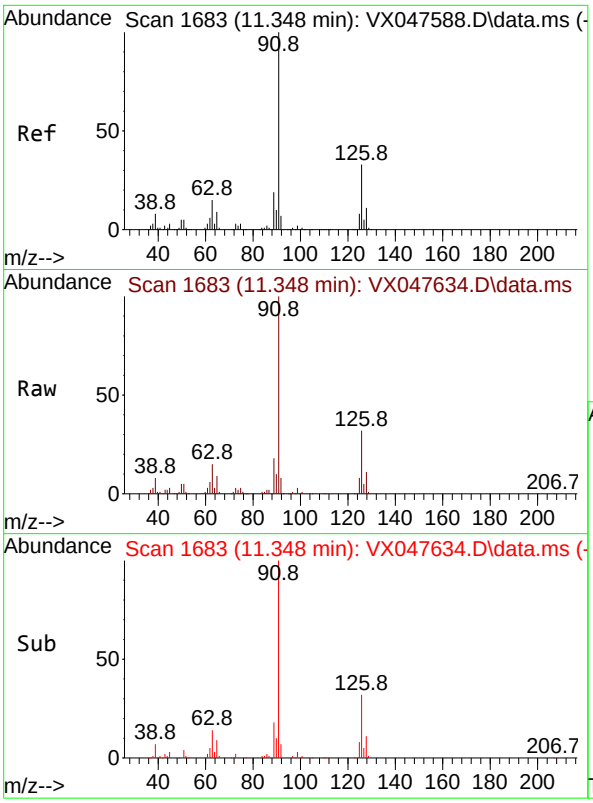


#78
n-propylbenzene
Concen: 20.893 ug/l
RT: 11.287 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX047634.D
Acq: 18 Sep 2025 12:45

Tgt Ion: 91 Resp: 269007

Ion	Ratio	Lower	Upper
91	100		
120	22.0	11.1	33.1

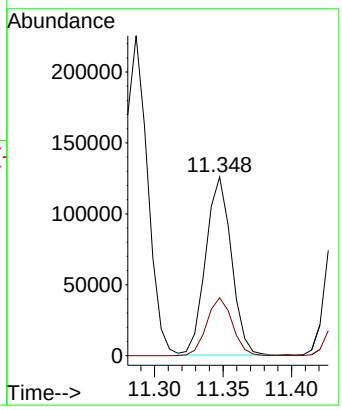




#79
2-Chlorotoluene
Concen: 20.776 ug/l
RT: 11.348 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047634.D
Acq: 18 Sep 2025 12:45

Tgt Ion: 91 Resp: 16383

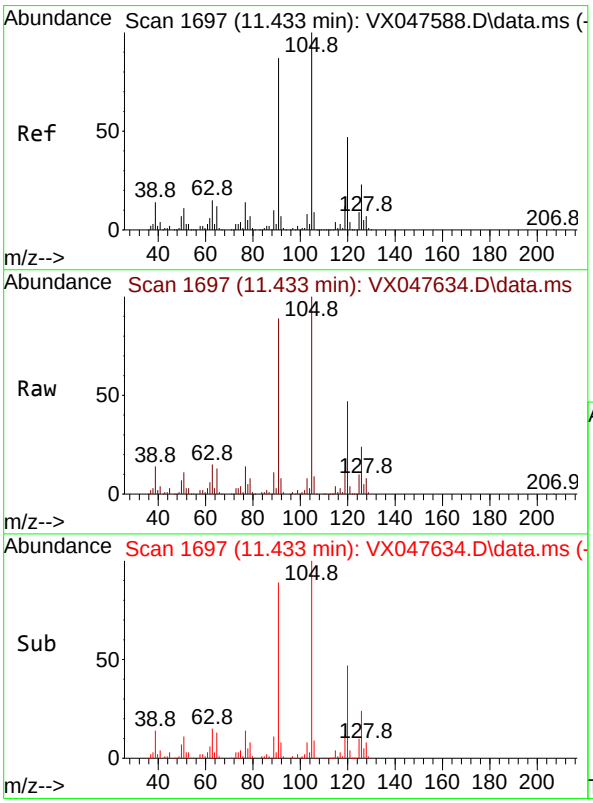
Ion	Ratio	Lower	Upper
91	100		
126	32.5	16.1	48.3



Instrument :
MSVOA_X
ClientSampleId :
VX0918WBS01

Manual Integrations
APPROVED

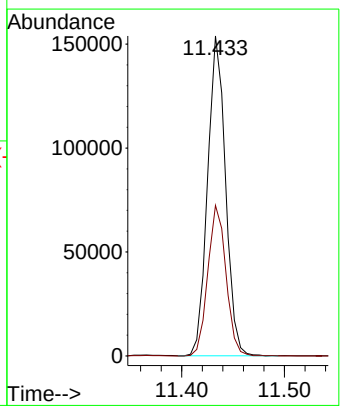
Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025

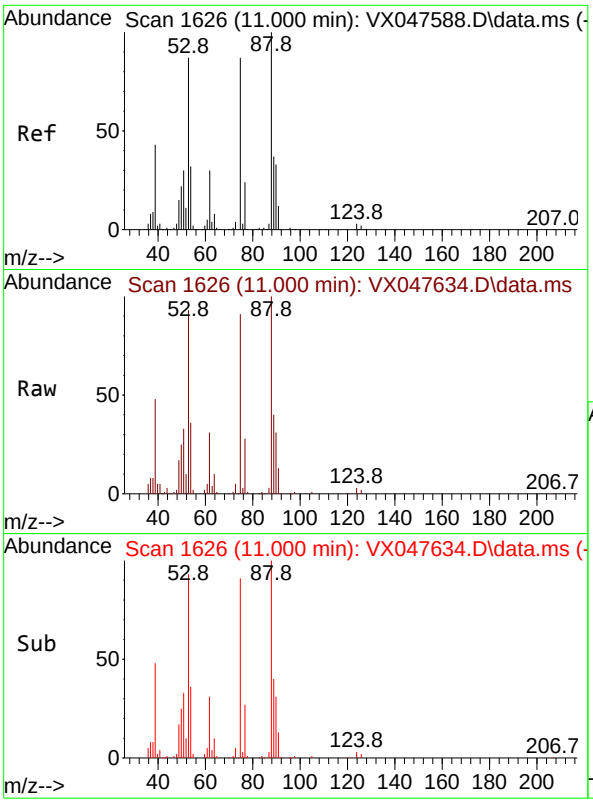


#80
1,3,5-Trimethylbenzene
Concen: 20.845 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX047634.D
Acq: 18 Sep 2025 12:45

Tgt Ion:105 Resp: 186536

Ion	Ratio	Lower	Upper
105	100		
120	47.8	23.6	70.8

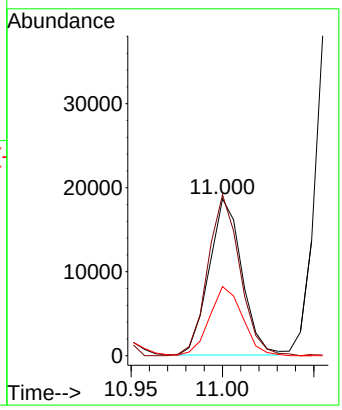




#81
trans-1,4-Dichloro-2-butene
Concen: 20.421 ug/l
RT: 11.000 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047634.D
Acq: 18 Sep 2025 12:45

Tgt Ion: 75 Resp: 2322

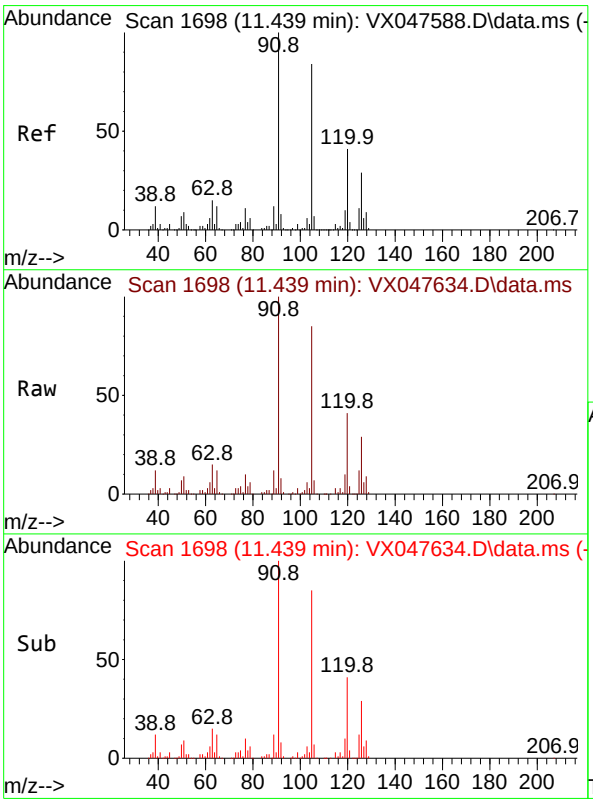
Ion	Ratio	Lower	Upper
75	100		
53	101.4	83.4	125.2
89	44.7	36.3	54.5



Instrument :
MSVOA_X
ClientSampleId :
VX0918WBS01

Manual Integrations
APPROVED

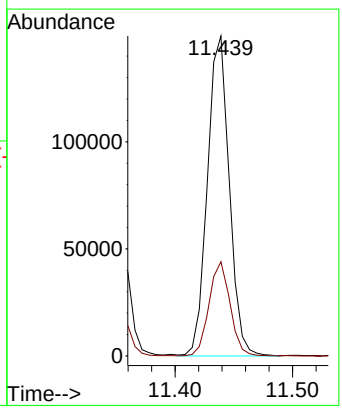
Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025

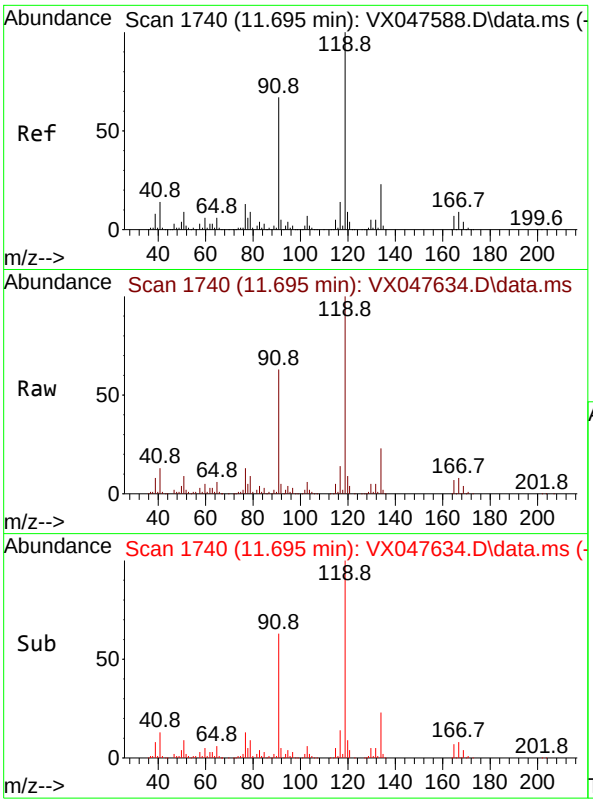


#82
4-Chlorotoluene
Concen: 20.715 ug/l
RT: 11.439 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VX047634.D
Acq: 18 Sep 2025 12:45

Tgt Ion: 91 Resp: 192939

Ion	Ratio	Lower	Upper
91	100		
126	28.3	14.2	42.6

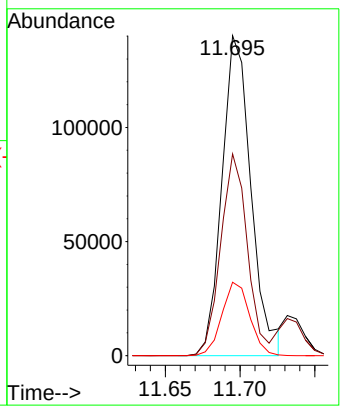




#83
tert-Butylbenzene
Concen: 20.655 ug/l
RT: 11.695 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047634.D
Acq: 18 Sep 2025 12:45

Tgt Ion:119 Resp: 18921

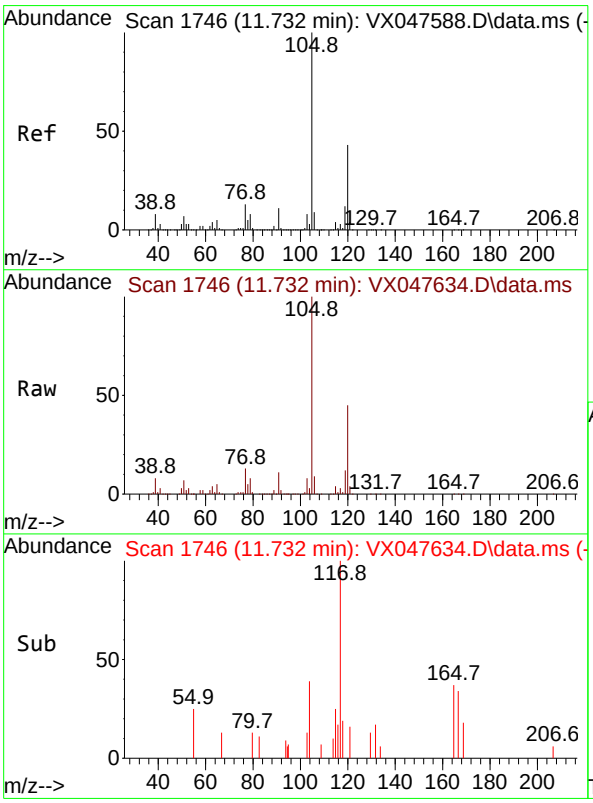
Ion	Ratio	Lower	Upper
119	100		
91	58.2	29.6	88.8
134	22.1	11.0	33.0



Instrument :
MSVOA_X
ClientSampleId :
VX0918WBS01

Manual Integrations
APPROVED

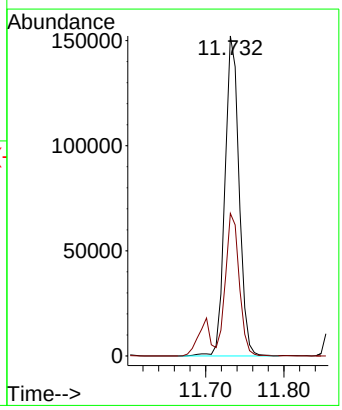
Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025

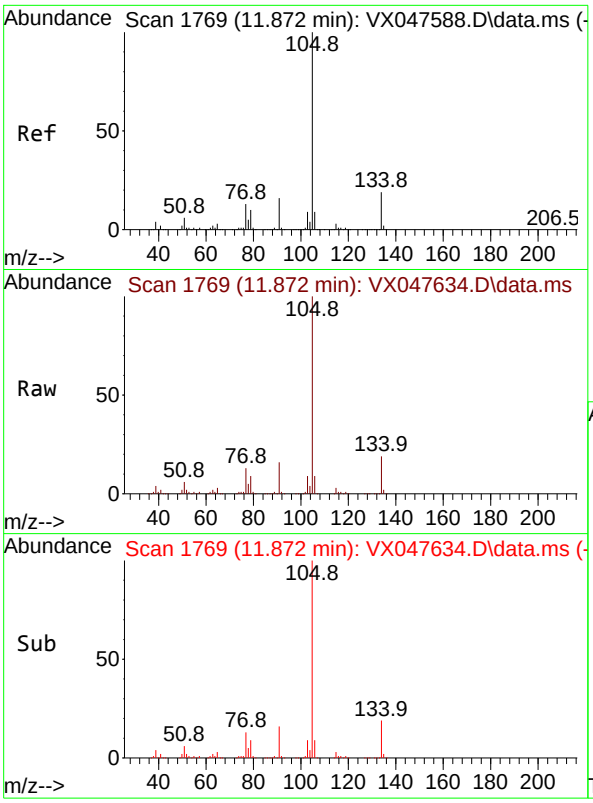


#84
1,2,4-Trimethylbenzene
Concen: 21.049 ug/l
RT: 11.732 min Scan# 1746
Delta R.T. -0.000 min
Lab File: VX047634.D
Acq: 18 Sep 2025 12:45

Tgt Ion:105 Resp: 190968

Ion	Ratio	Lower	Upper
105	100		
120	43.4	22.1	66.1

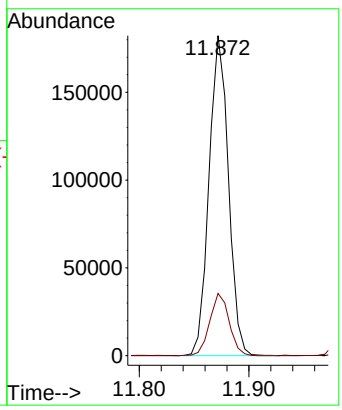




#85
sec-Butylbenzene
Concen: 20.591 ug/l
RT: 11.872 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047634.D
Acq: 18 Sep 2025 12:45

Tgt Ion:105 Resp: 22404

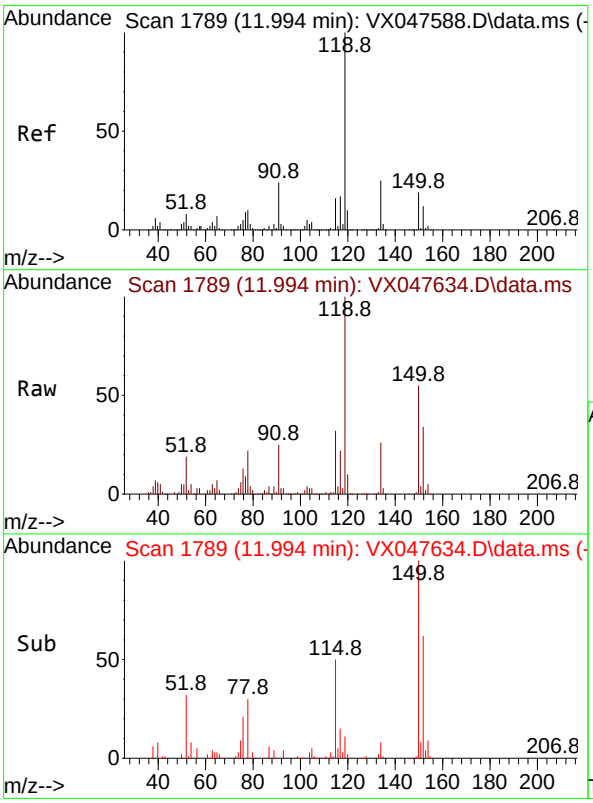
Ion	Ratio	Lower	Upper
105	100		
134	19.5	9.8	29.5



Instrument :
MSVOA_X
ClientSampleId :
VX0918WBS01

Manual Integrations
APPROVED

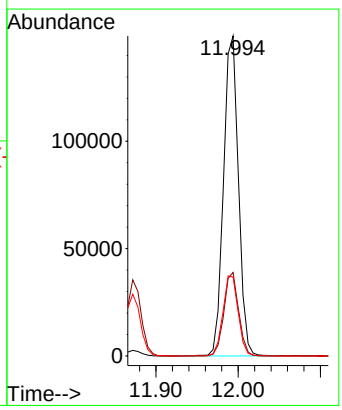
Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025

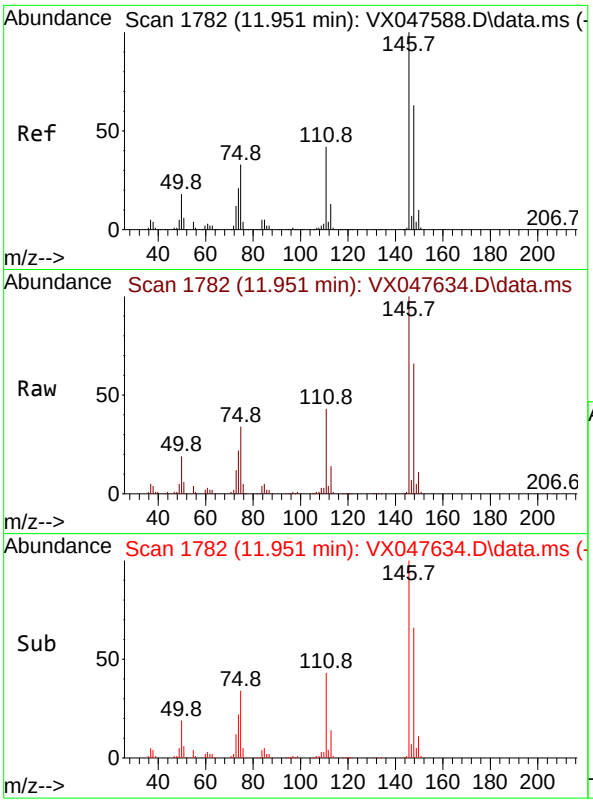


#86
p-Isopropyltoluene
Concen: 20.423 ug/l
RT: 11.994 min Scan# 1789
Delta R.T. -0.000 min
Lab File: VX047634.D
Acq: 18 Sep 2025 12:45

Tgt Ion:119 Resp: 188131

Ion	Ratio	Lower	Upper
119	100		
134	25.7	12.6	37.8
91	25.5	12.6	37.6

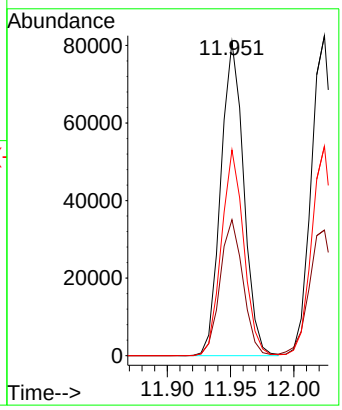




#87
1,3-Dichlorobenzene
Concen: 20.462 ug/l
RT: 11.951 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047634.D
Acq: 18 Sep 2025 12:45

Tgt Ion:146 Resp: 10195

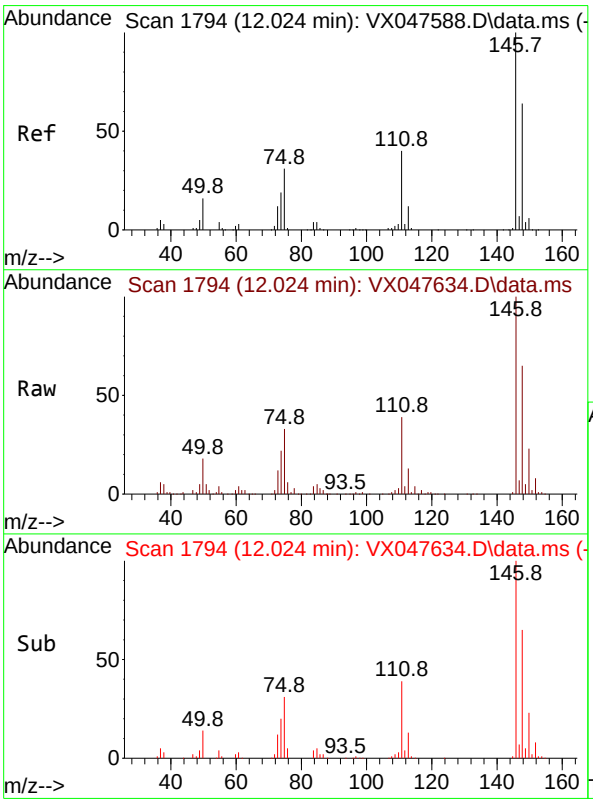
Ion	Ratio	Lower	Upper
146	100		
111	43.4	21.5	64.5
148	63.9	32.0	96.0



Instrument :
MSVOA_X
ClientSampleId :
VX0918WBS01

Manual Integrations APPROVED

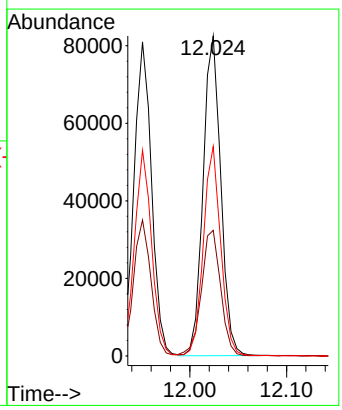
Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025

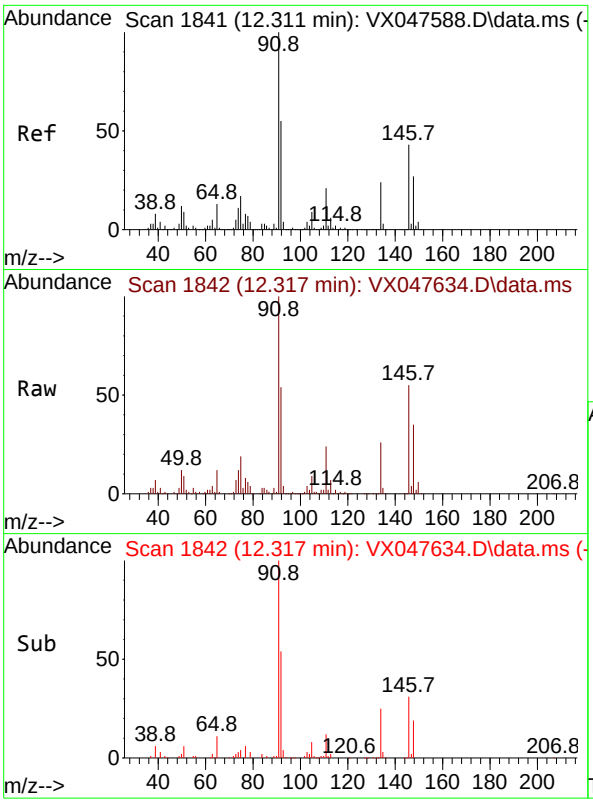


#88
1,4-Dichlorobenzene
Concen: 20.539 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX047634.D
Acq: 18 Sep 2025 12:45

Tgt Ion:146 Resp: 105034

Ion	Ratio	Lower	Upper
146	100		
111	42.7	20.8	62.4
148	64.5	31.7	95.1

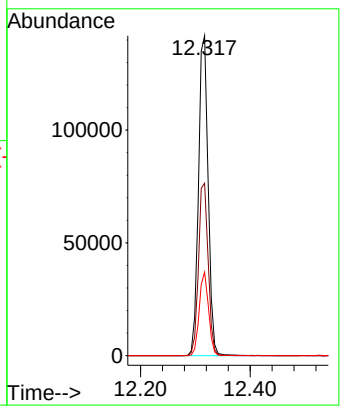




#89
n-Butylbenzene
Concen: 20.471 ug/l
RT: 12.317 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047634.D
Acq: 18 Sep 2025 12:45

Tgt Ion: 91 Resp: 17448

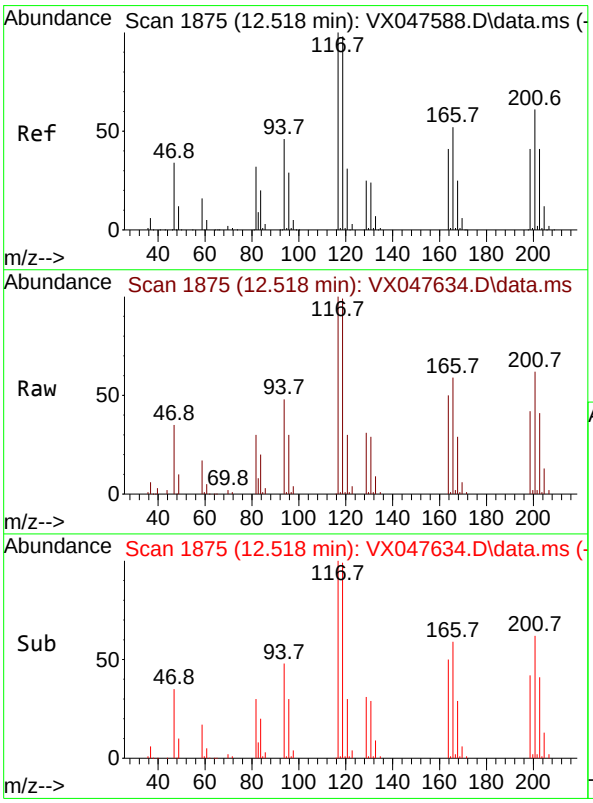
Ion	Ratio	Lower	Upper
91	100		
92	54.0	27.6	82.7
134	25.2	12.6	37.8



Instrument :
MSVOA_X
ClientSampleId :
VX0918WBS01

Manual Integrations
APPROVED

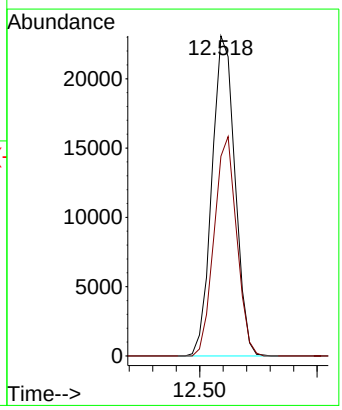
Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025

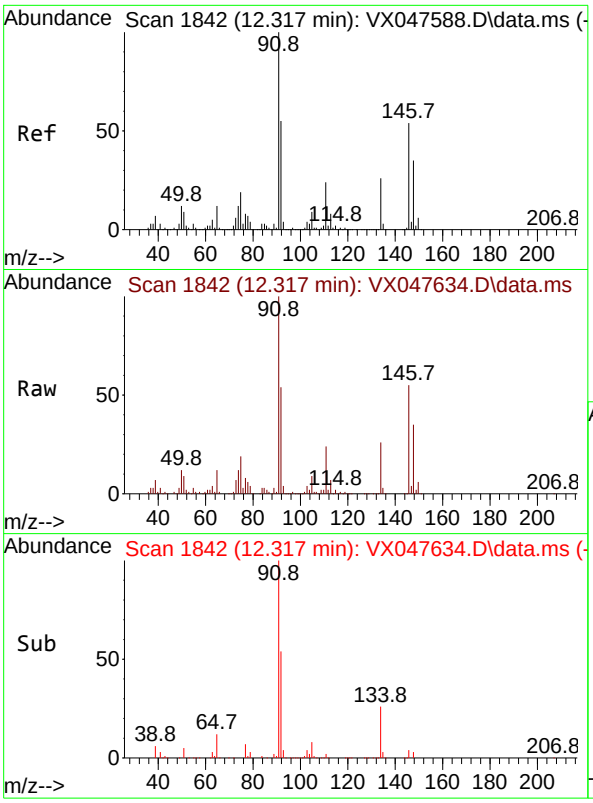


#90
Hexachloroethane
Concen: 19.478 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VX047634.D
Acq: 18 Sep 2025 12:45

Tgt Ion:117 Resp: 31502

Ion	Ratio	Lower	Upper
117	100		
201	67.1	34.2	102.5

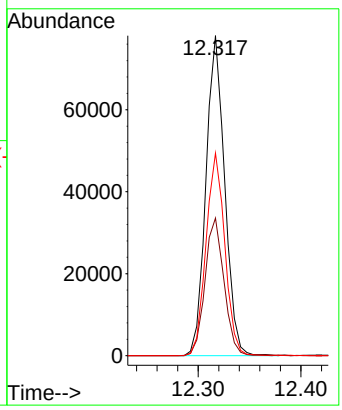




#91
1,2-Dichlorobenzene
Concen: 20.864 ug/l
RT: 12.317 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047634.D
Acq: 18 Sep 2025 12:45

Tgt Ion:146 Resp: 9904

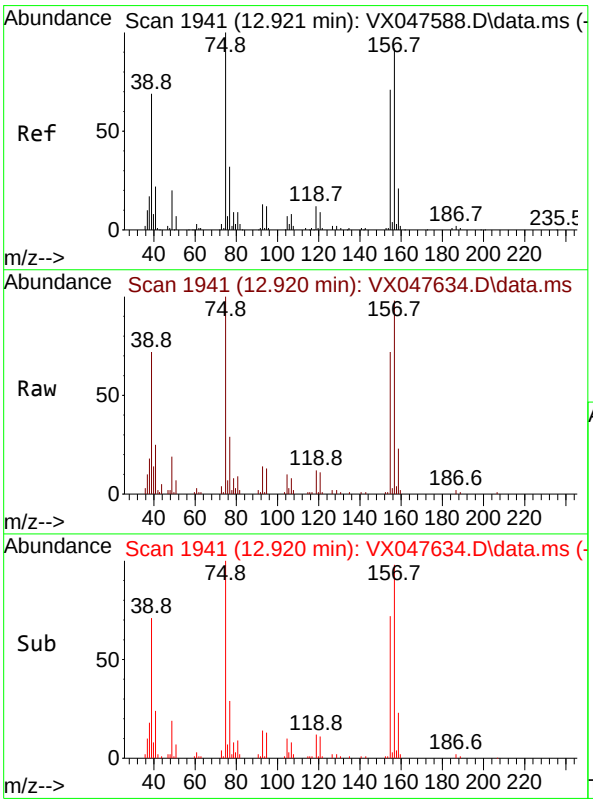
Ion	Ratio	Lower	Upper
146	100		
111	43.5	22.2	66.6
148	63.6	31.8	95.4



Instrument :
MSVOA_X
ClientSampleId :
VX0918WBS01

Manual Integrations
APPROVED

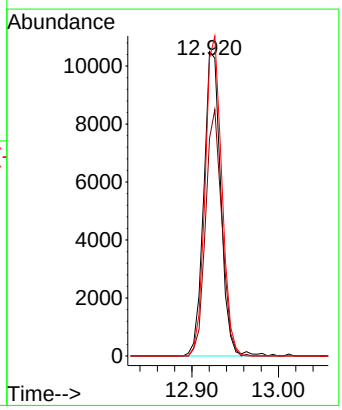
Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025

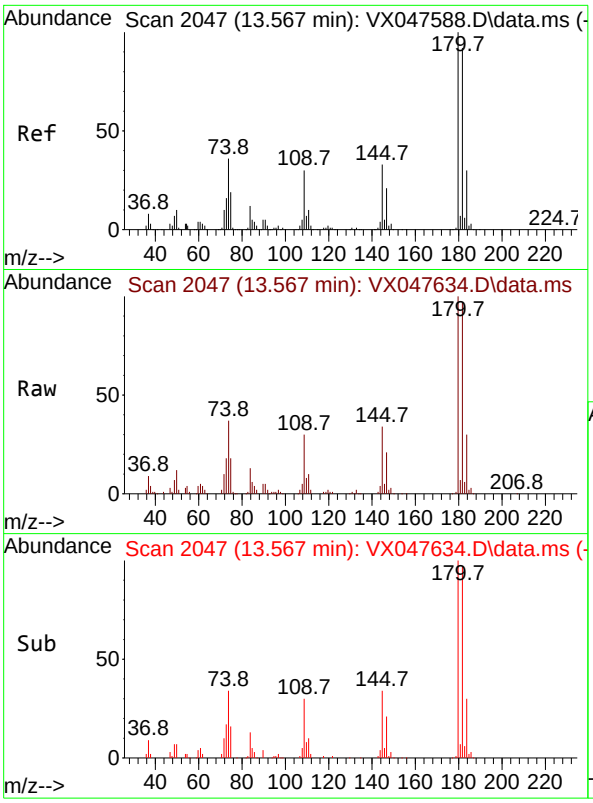


#92
1,2-Dibromo-3-Chloropropane
Concen: 21.385 ug/l
RT: 12.920 min Scan# 1941
Delta R.T. -0.000 min
Lab File: VX047634.D
Acq: 18 Sep 2025 12:45

Tgt Ion: 75 Resp: 14268

Ion	Ratio	Lower	Upper
75	100		
155	78.1	37.7	113.1
157	102.9	49.8	149.4

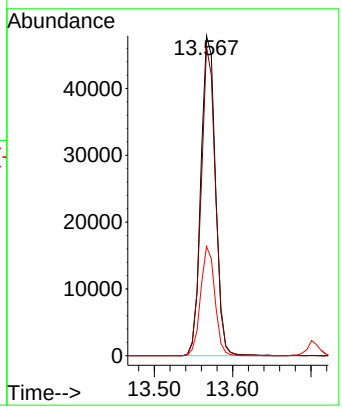




#93
1,2,4-Trichlorobenzene
Concen: 19.957 ug/l
RT: 13.567 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047634.D
Acq: 18 Sep 2025 12:45

Tgt Ion:180 Resp: 6157

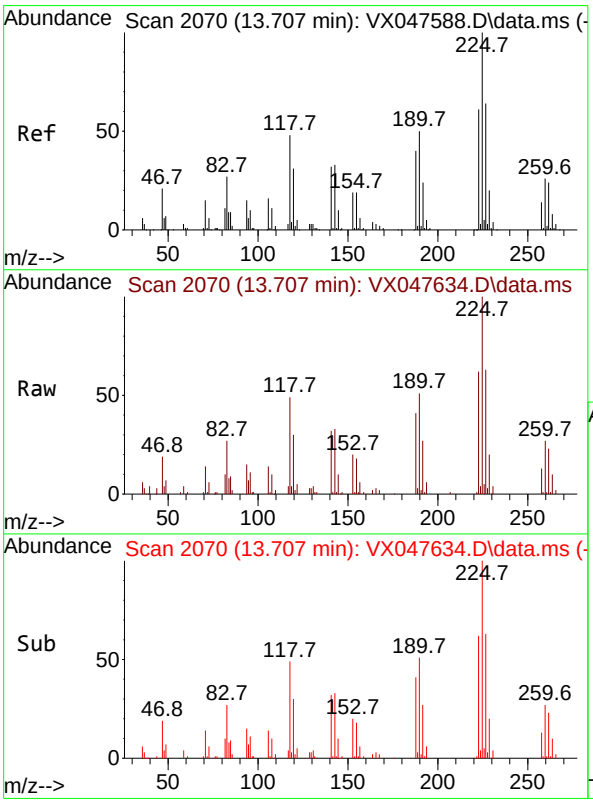
Ion	Ratio	Lower	Upper
180	100		
182	95.1	46.6	139.8
145	33.5	16.4	49.1



Instrument :
MSVOA_X
ClientSampleId :
VX0918WBS01

Manual Integrations APPROVED

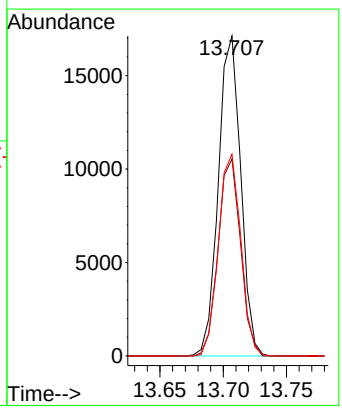
Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025

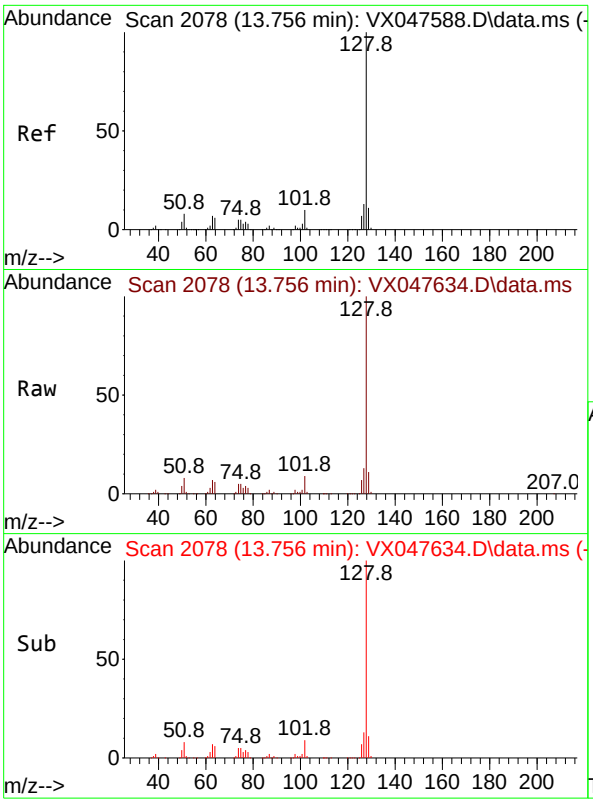


#94
Hexachlorobutadiene
Concen: 20.090 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. -0.000 min
Lab File: VX047634.D
Acq: 18 Sep 2025 12:45

Tgt Ion:225 Resp: 21053

Ion	Ratio	Lower	Upper
225	100		
223	61.7	31.7	95.1
227	63.0	32.0	96.0

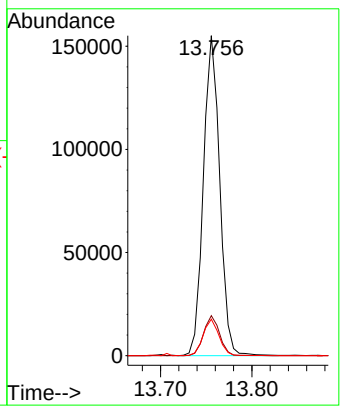




#95
Naphthalene
Concen: 20.515 ug/l
RT: 13.756 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047634.D
Acq: 18 Sep 2025 12:45

Tgt Ion:128 Resp: 19273

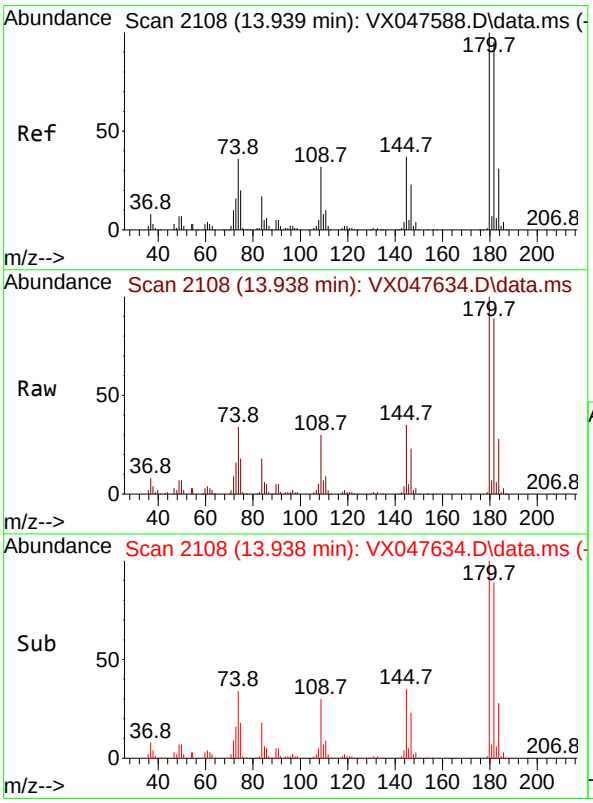
Ion	Ratio	Lower	Upper
128	100		
127	12.2	10.2	15.2
129	11.2	8.8	13.2



Instrument :
MSVOA_X
ClientSampleId :
VX0918WBS01

Manual Integrations
APPROVED

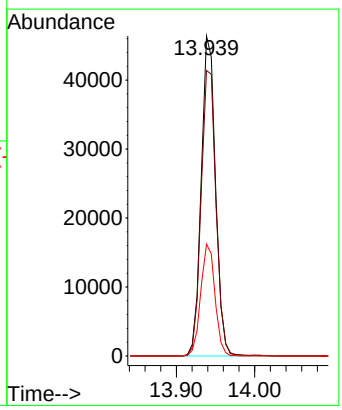
Reviewed By :John Carlone 09/19/2025
Supervised By :Mahesh Dadoda 09/19/2025



#96
1,2,3-Trichlorobenzene
Concen: 20.507 ug/l
RT: 13.938 min Scan# 2108
Delta R.T. -0.000 min
Lab File: VX047634.D
Acq: 18 Sep 2025 12:45

Tgt Ion:180 Resp: 58854

Ion	Ratio	Lower	Upper
180	100		
182	92.5	47.6	142.8
145	34.8	17.9	53.7



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:	VX0919WBS01	SDG No.:	Q3095
Lab Sample ID:	VX0919WBS01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047663.D	1	09/19/25 10:38	VX091925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	24.4		0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	21.9		0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	21.8		0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	23.0		1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	20.5		0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	20.6		0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	21.1		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	20.6		0.23	0.75	1.00	ug/L
67-64-1	Acetone	87.3		1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	21.6		0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	19.6		0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	19.4		0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	19.5		0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	20.8		0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	20.0		0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	20.4		1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	98.8		0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	19.8		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	20.0		0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	20.9		0.22	0.50	1.00	ug/L
67-66-3	Chloroform	20.0		0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	19.9		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	20.1		0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	19.3		0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	20.0		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	19.7		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	20.3		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:	VX0919WBS01	SDG No.:	Q3095
Lab Sample ID:	VX0919WBS01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047663.D	1	09/19/25 10:38	VX091925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	19.3		0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	19.6		0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	20.0		0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	100		0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	20.0		0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	20.5		0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	20.4		0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	19.9		0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	20.4		0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	41.2		0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	20.1		0.12	0.50	1.00	ug/L
100-42-5	Styrene	20.2		0.15	0.50	1.00	ug/L
75-25-2	Bromoform	19.9		0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	19.7		0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	19.9		0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	19.7		0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	19.5		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	19.2		0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	18.8		0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	19.4		0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	53.2		81 - 118		106%	SPK: 50
1868-53-7	Dibromofluoromethane	54.2		80 - 119		108%	SPK: 50
2037-26-5	Toluene-d8	55.4		89 - 112		111%	SPK: 50
460-00-4	4-Bromofluorobenzene	55.0		85 - 114		110%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	190000	5.532				
540-36-3	1,4-Difluorobenzene	337000	6.745				
3114-55-4	Chlorobenzene-d5	299000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	146000	12.006				

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:	VX0919WBS01	SDG No.:	Q3095
Lab Sample ID:	VX0919WBS01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047663.D	1	09/19/25 10:38	VX091925

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\VX091925\
Data File : VX047663.D
Acq On : 19 Sep 2025 10:38
Operator : JC/MD
Sample : VX0919WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 20 00:27:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0919WBS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 09/22/2025
Supervised By :Mahesh Dadoda 09/22/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.532	168	190485	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.745	114	337411	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	298577	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	146041	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	161347	53.214	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 106.420%			
35) Dibromofluoromethane	5.367	113	122748	54.245	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 108.480%			
50) Toluene-d8	8.635	98	434063	55.436	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 110.880%			
62) 4-Bromofluorobenzene	11.061	95	163439	55.000	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 110.000%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.179	85	48189	24.430	ug/l	96
3) Chloromethane	1.301	50	56662	21.857	ug/l	99
4) Vinyl Chloride	1.380	62	55247	21.771	ug/l	97
5) Bromomethane	1.618	94	36964	22.971	ug/l	93
6) Chloroethane	1.697	64	34850	20.547	ug/l	100
7) Trichlorofluoromethane	1.898	101	77725	20.628	ug/l	96
8) Diethyl Ether	2.136	74	30811	19.990	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.331	101	46477	21.095	ug/l	98
10) Methyl Iodide	2.453	142	63244	18.406	ug/l	99
11) Tert butyl alcohol	2.941	59	31950	94.614	ug/l	100
12) 1,1-Dichloroethene	2.325	96	46724	20.645	ug/l	98
13) Acrolein	2.233	56	36367	116.866	ug/l	98
14) Allyl chloride	2.666	41	90599	19.400	ug/l	98
15) Acrylonitrile	3.056	53	131021	104.748	ug/l	99
16) Acetone	2.374	43	115033	87.256	ug/l	98
17) Carbon Disulfide	2.514	76	133885	21.610	ug/l	99
18) Methyl Acetate	2.697	43	56823	19.367	ug/l	99
19) Methyl tert-butyl Ether	3.105	73	161762	19.580	ug/l	98
20) Methylene Chloride	2.788	84	54454	19.514	ug/l	96
21) trans-1,2-Dichloroethene	3.093	96	50713	20.813	ug/l	91
22) Diisopropyl ether	3.751	45	178004	19.667	ug/l	94
23) Vinyl Acetate	3.709	43	729482	100.705	ug/l	98
24) 1,1-Dichloroethane	3.605	63	96151	19.987	ug/l	97
25) 2-Butanone	4.538	43	162542	98.842	ug/l	97
26) 2,2-Dichloropropane	4.459	77	75768	18.948	ug/l	100
27) cis-1,2-Dichloroethene	4.477	96	59674	19.998	ug/l	98
28) Bromochloromethane	4.879	49	43974	20.939	ug/l	99
29) Tetrahydrofuran	4.983	42	103814	104.940	ug/l	98
30) Chloroform	5.074	83	97368	20.030	ug/l	97
31) Cyclohexane	5.452	56	81875	20.435	ug/l	96
32) 1,1,1-Trichloroethane	5.367	97	81898	19.862	ug/l	99
36) 1,1-Dichloropropene	5.684	75	66091	19.988	ug/l	99
37) Ethyl Acetate	4.696	43	68156	19.251	ug/l	100
38) Carbon Tetrachloride	5.660	117	71209	19.821	ug/l	99
39) Methylcyclohexane	7.360	83	76946	20.500	ug/l	97
40) Benzene	6.025	78	201814	20.095	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091925\
Data File : VX047663.D
Acq On : 19 Sep 2025 10:38
Operator : JC/MD
Sample : VX0919WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 20 00:27:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0919WBS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 09/22/2025
Supervised By :Mahesh Dadoda 09/22/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.904	41	39044	21.362	ug/l		96
42) 1,2-Dichloroethane	6.068	62	73915	19.343	ug/l		99
43) Isopropyl Acetate	6.318	43	117690	20.269	ug/l		100
44) Trichloroethene	7.111	130	48532	19.988	ug/l		97
45) 1,2-Dichloropropane	7.409	63	51280	19.941	ug/l		99
46) Dibromomethane	7.568	93	37312	19.938	ug/l		98
47) Bromodichloromethane	7.806	83	75948	19.667	ug/l		96
48) Methyl methacrylate	7.677	41	57109	19.745	ug/l		99
49) 1,4-Dioxane	7.641	88	12922	442.088	ug/l		97
51) 4-Methyl-2-Pentanone	8.555	43	340376	105.728	ug/l		99
52) Toluene	8.702	92	125521	20.286	ug/l		100
53) t-1,3-Dichloropropene	8.964	75	75998	19.294	ug/l		99
54) cis-1,3-Dichloropropene	8.348	75	82725	19.649	ug/l		100
55) 1,1,2-Trichloroethane	9.135	97	47766	20.021	ug/l		97
56) Ethyl methacrylate	9.098	69	74891	19.988	ug/l		99
57) 1,3-Dichloropropane	9.293	76	83720	20.427	ug/l		98
58) 2-Chloroethyl Vinyl ether	8.226	63	143078	87.280	ug/l		100
59) 2-Hexanone	9.415	43	236656	102.353	ug/l		99
60) Dibromochloromethane	9.506	129	55109	20.047	ug/l		99
61) 1,2-Dibromoethane	9.592	107	49855	20.516	ug/l		100
64) Tetrachloroethene	9.256	164	39697	20.395	ug/l		96
65) Chlorobenzene	10.061	112	134843	19.879	ug/l		98
66) 1,1,1,2-Tetrachloroethane	10.147	131	46247	19.758	ug/l		100
67) Ethyl Benzene	10.177	91	238457	20.374	ug/l		100
68) m/p-Xylenes	10.287	106	179504	41.206	ug/l		98
69) o-Xylene	10.622	106	84887	20.146	ug/l		100
70) Styrene	10.640	104	148789	20.153	ug/l		99
71) Bromoform	10.781	173	34739	19.876	ug/l	#	99
73) Isopropylbenzene	10.945	105	218637	19.692	ug/l		99
74) N-amyl acetate	10.823	43	99633	19.678	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.195	83	66686	19.852	ug/l		99
76) 1,2,3-Trichloropropane	11.220	75	61556m	20.818	ug/l		
77) Bromobenzene	11.183	156	53519	19.571	ug/l		99
78) n-propylbenzene	11.287	91	260496	19.847	ug/l		99
79) 2-Chlorotoluene	11.348	91	156568	19.476	ug/l		99
80) 1,3,5-Trimethylbenzene	11.433	105	181815	19.931	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.000	75	21163	18.252	ug/l		97
82) 4-Chlorotoluene	11.439	91	189446	19.954	ug/l		100
83) tert-Butylbenzene	11.695	119	180209	19.298	ug/l		99
84) 1,2,4-Trimethylbenzene	11.732	105	184775	19.979	ug/l		99
85) sec-Butylbenzene	11.872	105	221990	20.014	ug/l		99
86) p-Isopropyltoluene	11.994	119	185890	19.796	ug/l		99
87) 1,3-Dichlorobenzene	11.951	146	99921	19.672	ug/l		99
88) 1,4-Dichlorobenzene	12.024	146	101411	19.453	ug/l		98
89) n-Butylbenzene	12.311	91	174651	20.101	ug/l		98
90) Hexachloroethane	12.518	117	31341	19.010	ug/l		100
91) 1,2-Dichlorobenzene	12.317	146	94793	19.589	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	12.920	75	13079	19.231	ug/l		98
93) 1,2,4-Trichlorobenzene	13.567	180	59106	18.794	ug/l		100
94) Hexachlorobutadiene	13.707	225	20772	19.445	ug/l		99
95) Naphthalene	13.756	128	181956	19.000	ug/l		100
96) 1,2,3-Trichlorobenzene	13.945	180	56854	19.434	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091925\
Data File : VX047663.D
Acq On : 19 Sep 2025 10:38
Operator : JC/MD
Sample : VX0919WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 20 00:27:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0919WBS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 09/22/2025
Supervised By :Mahesh Dadoda 09/22/2025

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

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

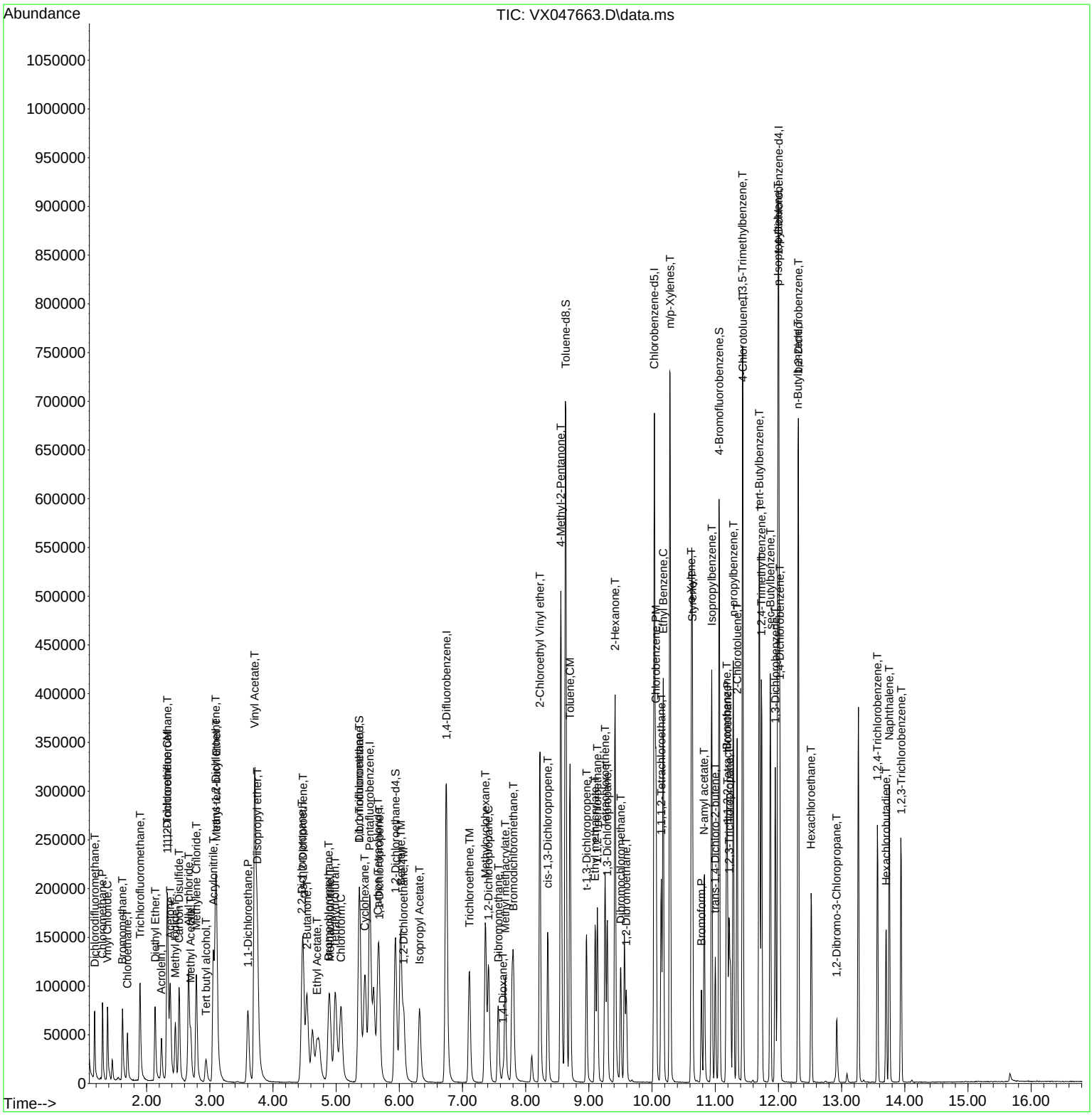
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091925\
Data File : VX047663.D
Acq On : 19 Sep 2025 10:38
Operator : JC/MD
Sample : VX0919WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

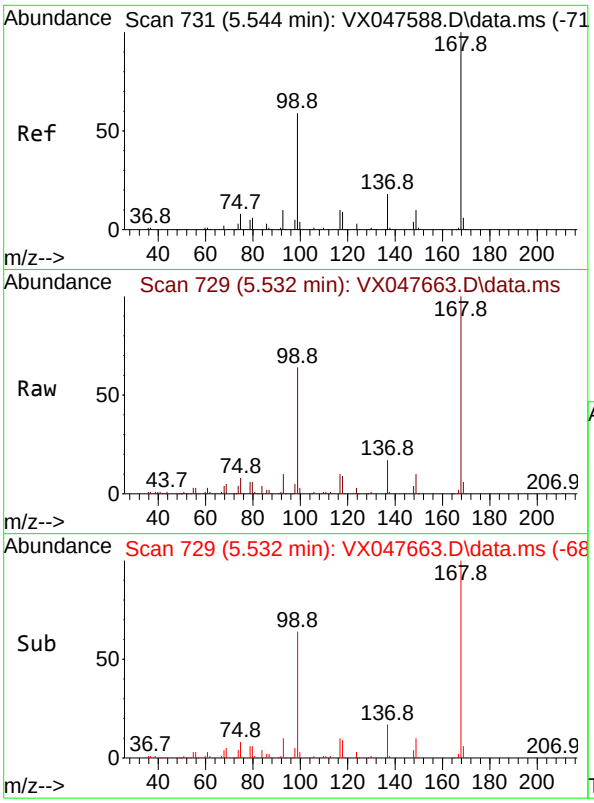
Quant Time: Sep 20 00:27:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0919WBS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 09/22/2025
Supervised By :Mahesh Dadoda 09/22/2025

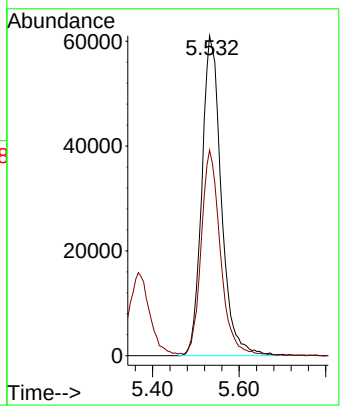




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.532 min Scan# 7
Delta R.T. -0.012 min
Lab File: VX047663.D
Acq: 19 Sep 2025 10:38

Tgt Ion:168 Resp: 19048

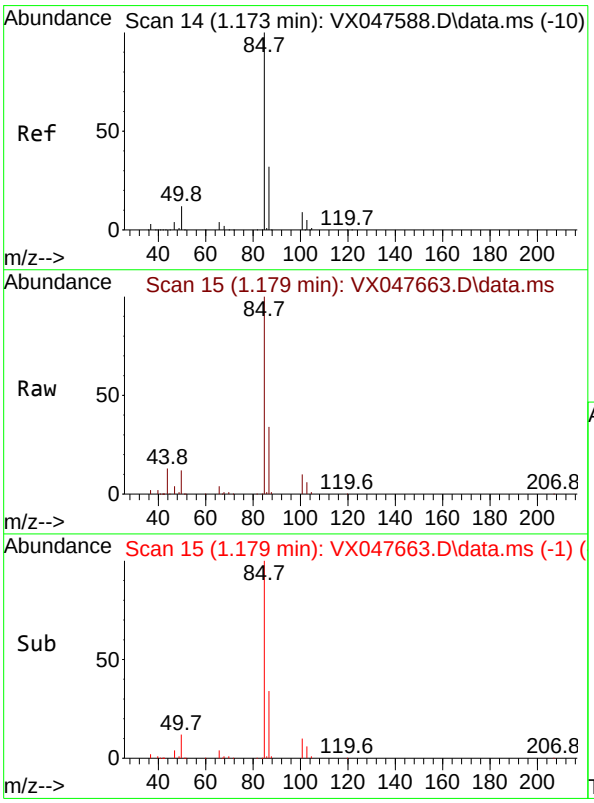
Ion	Ratio	Lower	Upper
168	100		
99	64.0	48.8	73.2



Instrument :
MSVOA_X
ClientSampleId :
VX0919WBS01

Manual Integrations
APPROVED

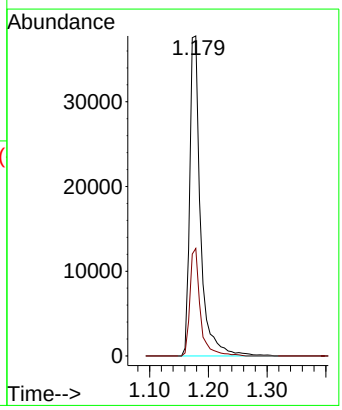
Reviewed By :Semsettin Yesilyurt 09/22/2025
Supervised By :Mahesh Dadoda 09/22/2025

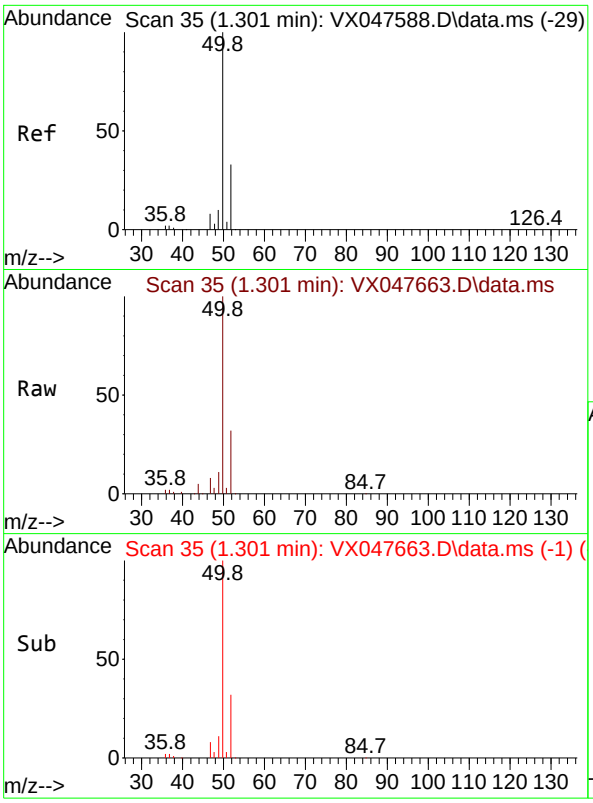


#2
Dichlorodifluoromethane
Concen: 24.430 ug/l
RT: 1.179 min Scan# 15
Delta R.T. 0.006 min
Lab File: VX047663.D
Acq: 19 Sep 2025 10:38

Tgt Ion: 85 Resp: 48189

Ion	Ratio	Lower	Upper
85	100		
87	33.6	15.8	47.3

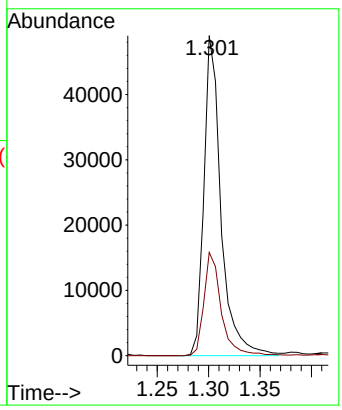




#3
Chloromethane
Concen: 21.857 ug/l
RT: 1.301 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047663.D
Acq: 19 Sep 2025 10:38

Tgt Ion: 50 Resp: 5666

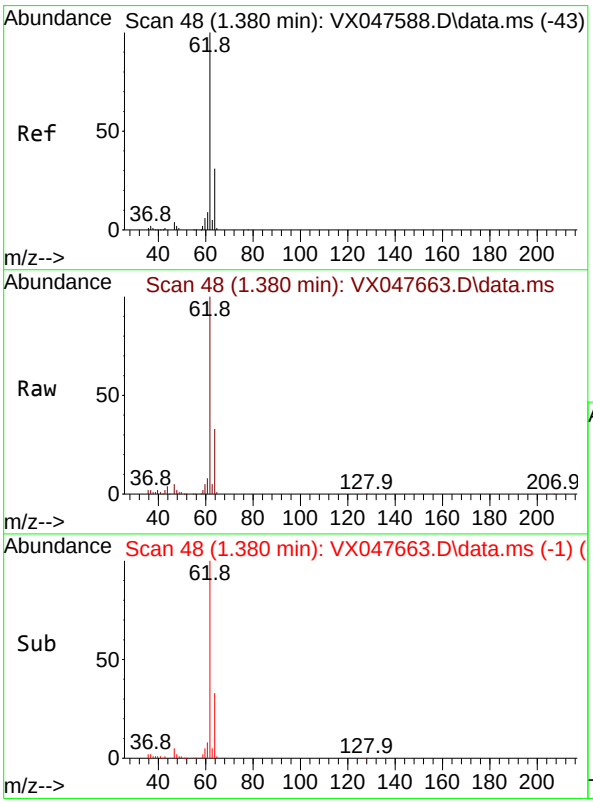
Ion	Ratio	Lower	Upper
50	100		
52	32.2	26.1	39.1



Instrument :
MSVOA_X
ClientSampleId :
VX0919WBS01

Manual Integrations
APPROVED

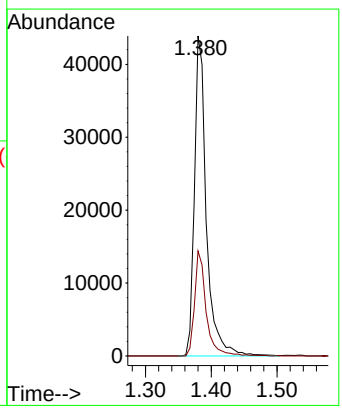
Reviewed By :Semsettin Yesilyurt 09/22/2025
Supervised By :Mahesh Dadoda 09/22/2025

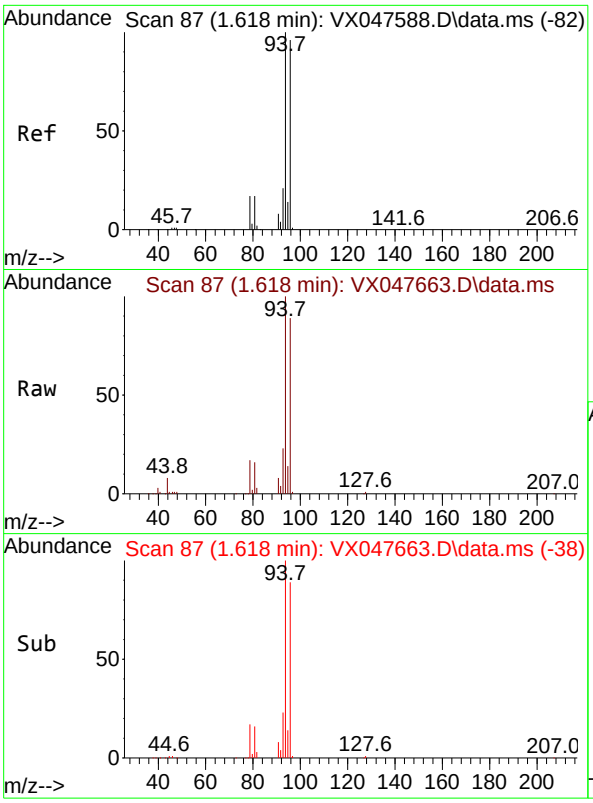


#4
Vinyl Chloride
Concen: 21.771 ug/l
RT: 1.380 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX047663.D
Acq: 19 Sep 2025 10:38

Tgt Ion: 62 Resp: 55247

Ion	Ratio	Lower	Upper
62	100		
64	32.8	24.9	37.3

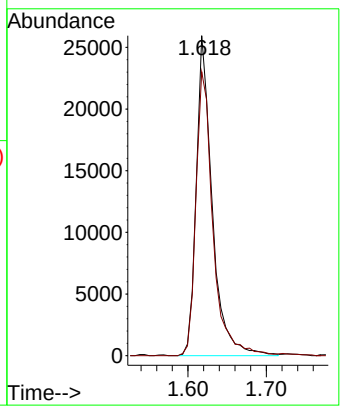




#5
Bromomethane
Concen: 22.971 ug/l
RT: 1.618 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX047663.D
Acq: 19 Sep 2025 10:38

Tgt Ion: 94 Resp: 3696

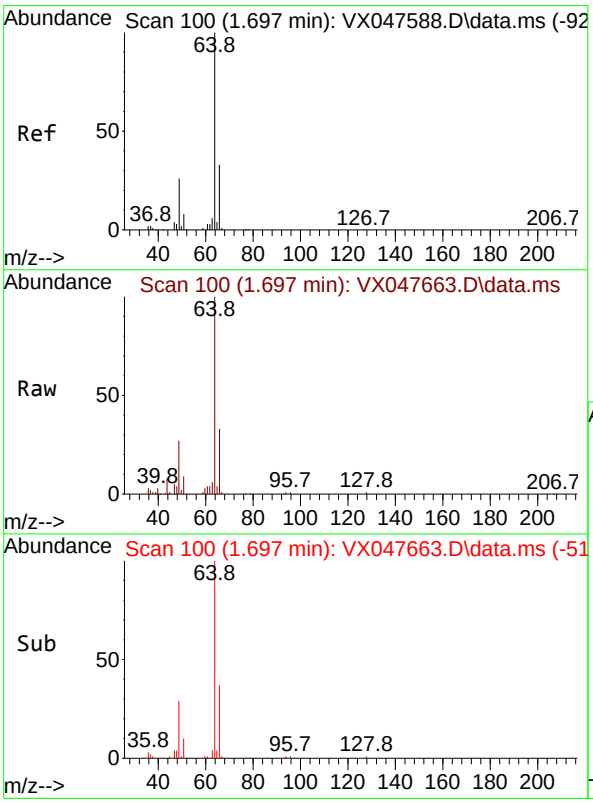
Ion	Ratio	Lower	Upper
94	100		
96	88.7	76.6	115.0



Instrument :
MSVOA_X
ClientSampleId :
VX0919WBS01

Manual Integrations
APPROVED

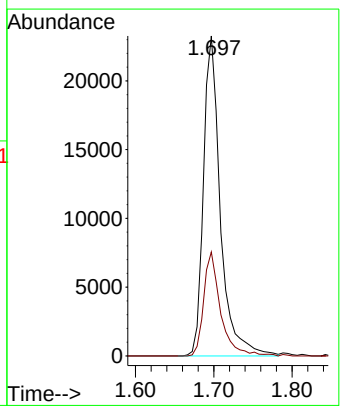
Reviewed By :Semsettin Yesilyurt 09/22/2025
Supervised By :Mahesh Dadoda 09/22/2025

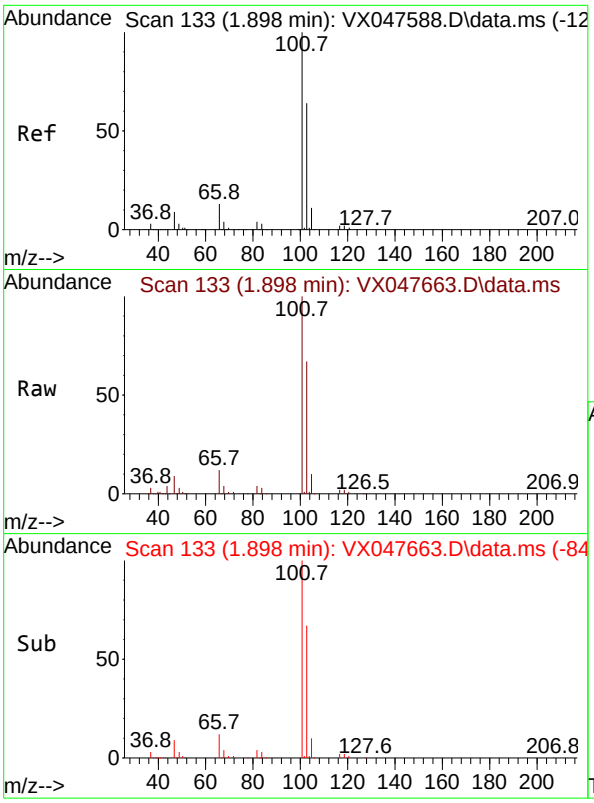


#6
Chloroethane
Concen: 20.547 ug/l
RT: 1.697 min Scan# 100
Delta R.T. -0.000 min
Lab File: VX047663.D
Acq: 19 Sep 2025 10:38

Tgt Ion: 64 Resp: 34850

Ion	Ratio	Lower	Upper
64	100		
66	32.5	26.1	39.1

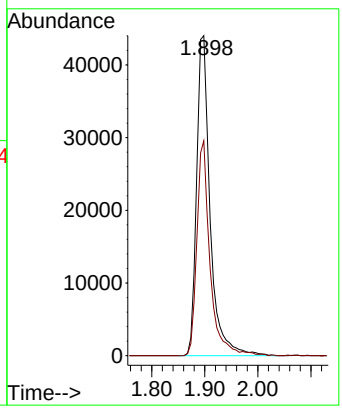




#7
Trichlorofluoromethane
Concen: 20.628 ug/l
RT: 1.898 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047663.D
Acq: 19 Sep 2025 10:38

Tgt Ion:101 Resp: 7772

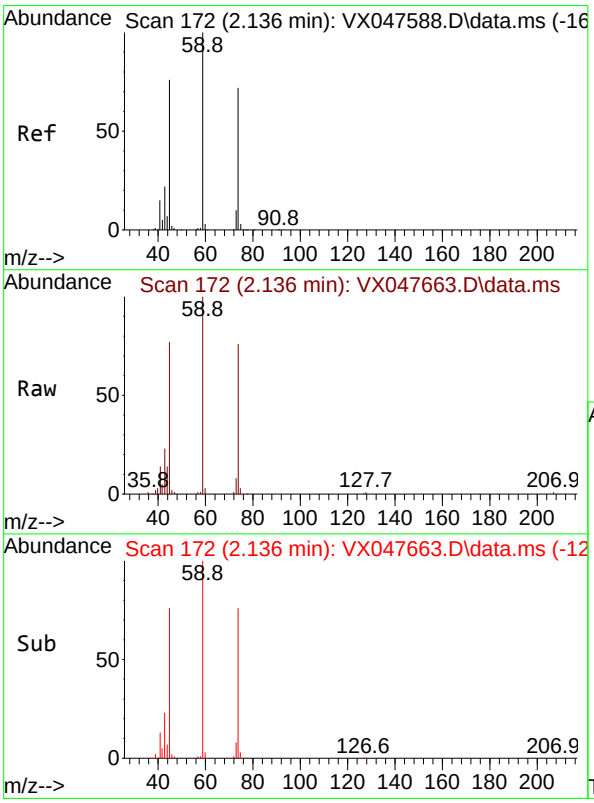
Ion	Ratio	Lower	Upper
101	100		
103	67.2	51.4	77.2



Instrument :
MSVOA_X
ClientSampleId :
VX0919WBS01

Manual Integrations
APPROVED

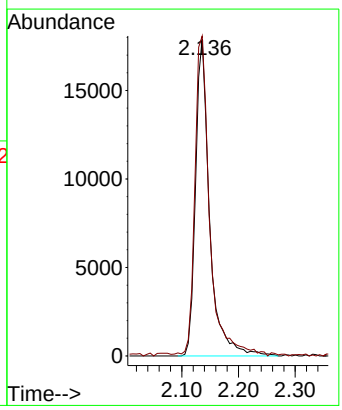
Reviewed By :Semsettin Yesilyurt 09/22/2025
Supervised By :Mahesh Dadoda 09/22/2025

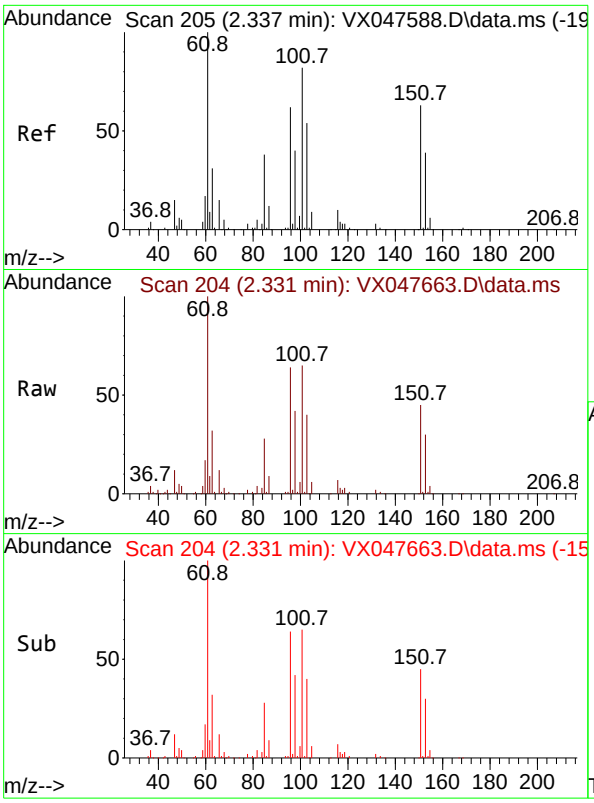


#8
Diethyl Ether
Concen: 19.990 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX047663.D
Acq: 19 Sep 2025 10:38

Tgt Ion: 74 Resp: 30811

Ion	Ratio	Lower	Upper
74	100		
45	106.7	52.3	156.8

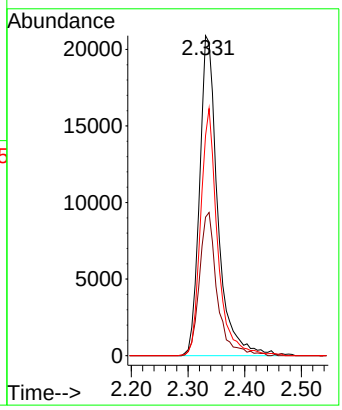




#9
1,1,2-Trichlorotrifluoroethane
Concen: 21.095 ug/l
RT: 2.331 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047663.D
Acq: 19 Sep 2025 10:38

Tgt Ion:101 Resp: 4647

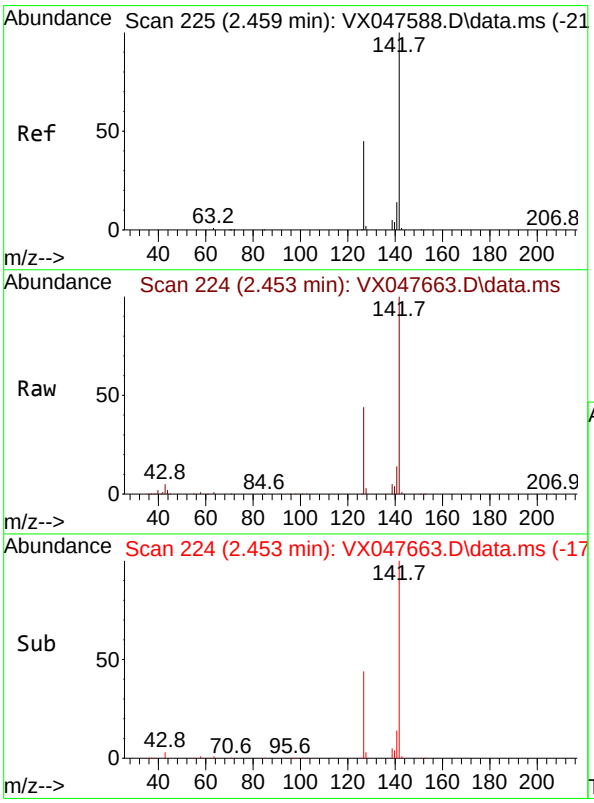
Ion	Ratio	Lower	Upper
101	100		
85	43.7	35.5	53.3
151	72.6	59.4	89.0



Instrument :
MSVOA_X
ClientSampleId :
VX0919WBS01

Manual Integrations
APPROVED

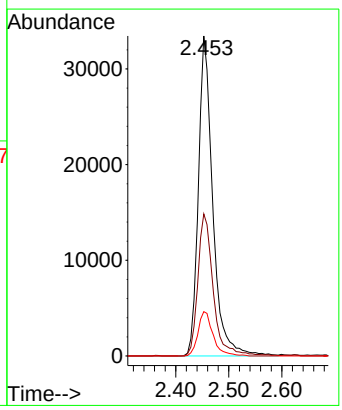
Reviewed By :Semsettin Yesilyurt 09/22/2025
Supervised By :Mahesh Dadoda 09/22/2025

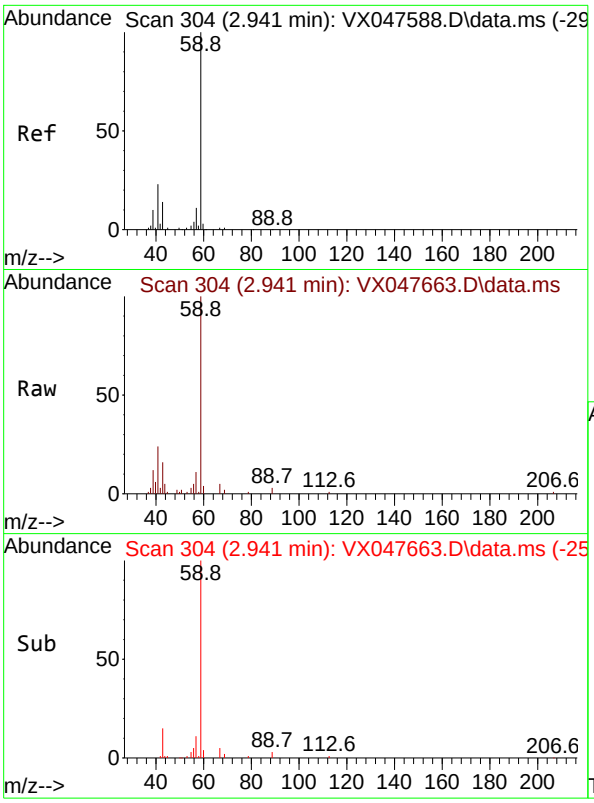


#10
Methyl Iodide
Concen: 18.406 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.006 min
Lab File: VX047663.D
Acq: 19 Sep 2025 10:38

Tgt Ion:142 Resp: 63244

Ion	Ratio	Lower	Upper
142	100		
127	47.2	37.2	55.8
141	14.4	11.4	17.0

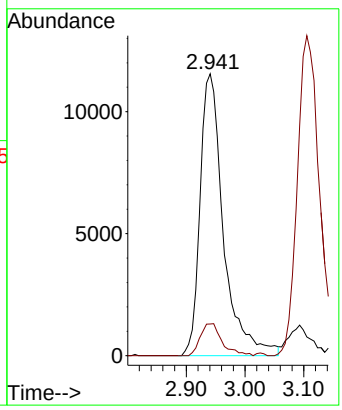




#11
Tert butyl alcohol
Concen: 94.614 ug/l
RT: 2.941 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047663.D
Acq: 19 Sep 2025 10:38

Tgt Ion: 59 Resp: 3195

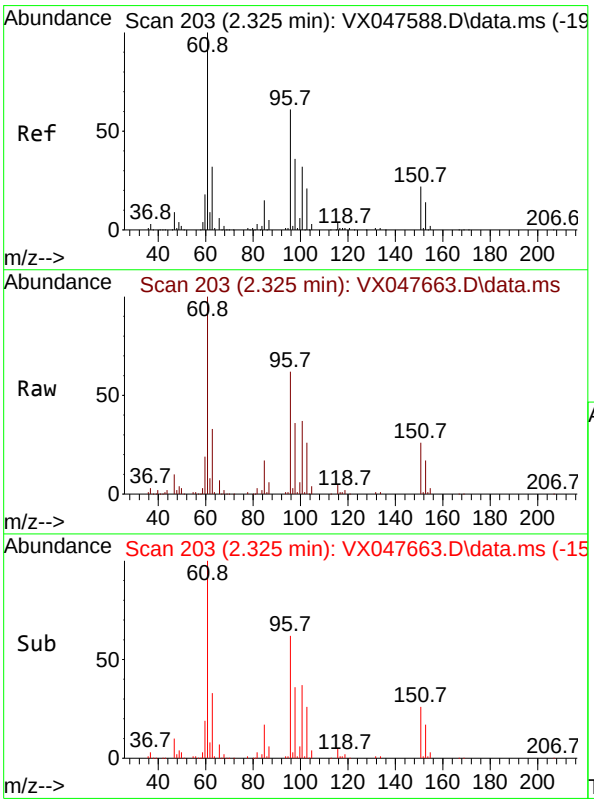
Ion	Ratio	Lower	Upper
59	100		
57	10.6	8.3	12.5



Instrument :
MSVOA_X
ClientSampleId :
VX0919WBS01

Manual Integrations
APPROVED

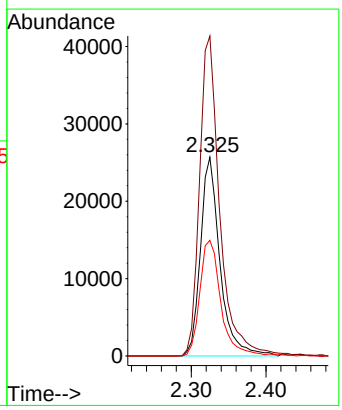
Reviewed By :Semsettin Yesilyurt 09/22/2025
Supervised By :Mahesh Dadoda 09/22/2025

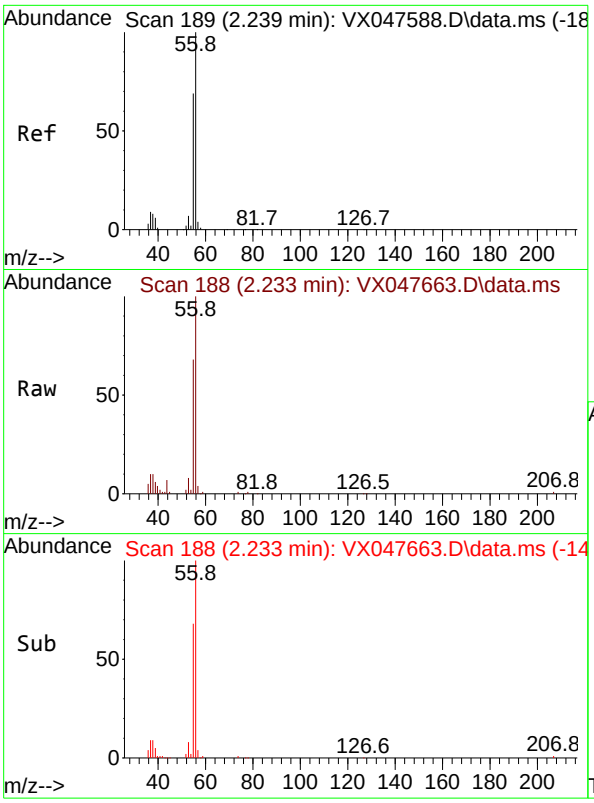


#12
1,1-Dichloroethene
Concen: 20.645 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX047663.D
Acq: 19 Sep 2025 10:38

Tgt Ion: 96 Resp: 46724

Ion	Ratio	Lower	Upper
96	100		
61	161.0	131.0	196.6
98	60.2	47.7	71.5

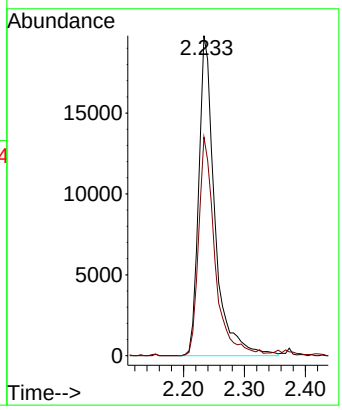




#13
Acrolein
Concen: 116.866 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047663.D
Acq: 19 Sep 2025 10:38

Tgt Ion: 56 Resp: 3636

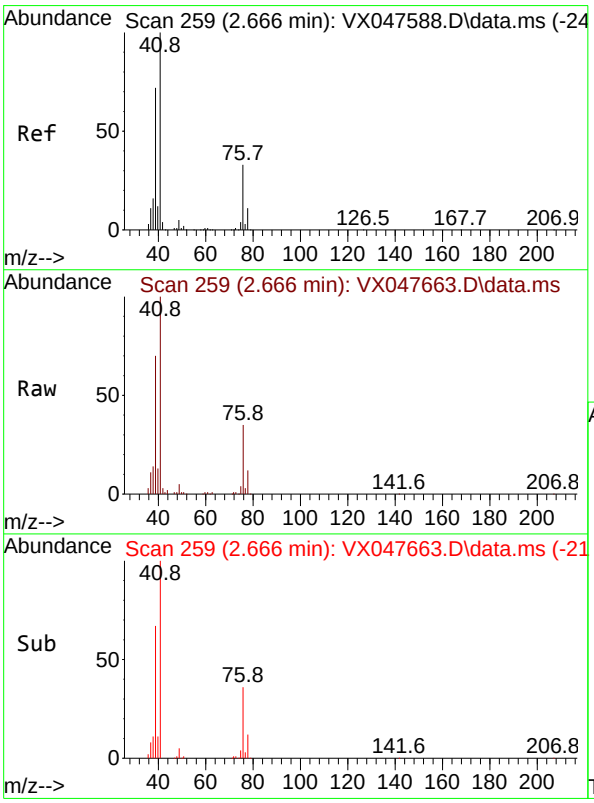
Ion	Ratio	Lower	Upper
56	100		
55	69.8	57.2	85.8



Instrument :
MSVOA_X
ClientSampleId :
VX0919WBS01

Manual Integrations
APPROVED

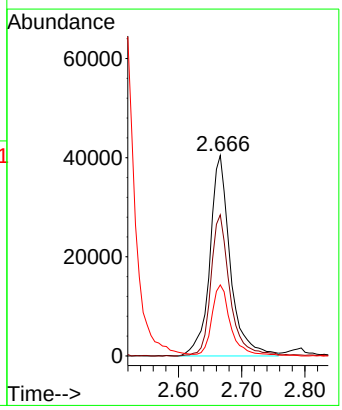
Reviewed By :Semsettin Yesilyurt 09/22/2025
Supervised By :Mahesh Dadoda 09/22/2025

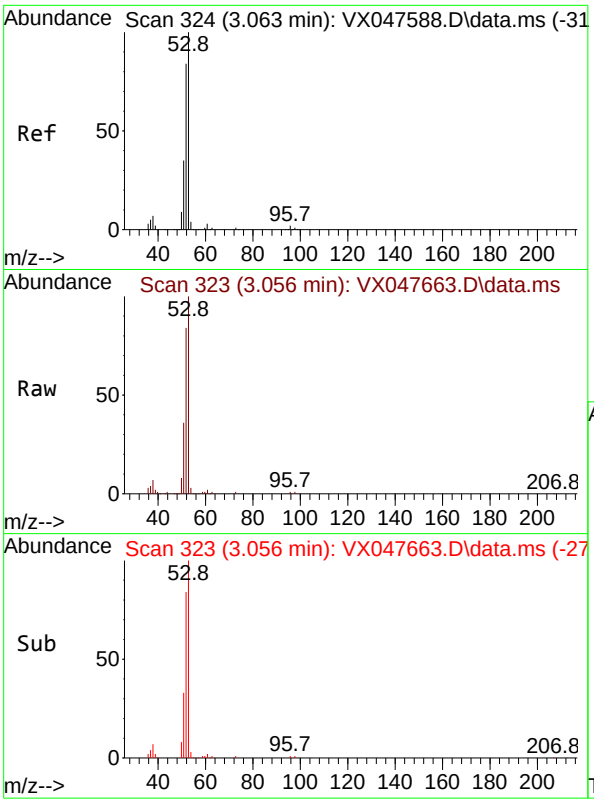


#14
Allyl chloride
Concen: 19.400 ug/l
RT: 2.666 min Scan# 259
Delta R.T. -0.000 min
Lab File: VX047663.D
Acq: 19 Sep 2025 10:38

Tgt Ion: 41 Resp: 90599

Ion	Ratio	Lower	Upper
41	100		
39	66.3	54.7	82.1
76	33.0	25.7	38.5

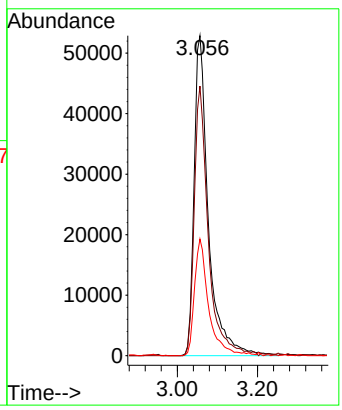




#15
Acrylonitrile
Concen: 104.748 ug/l
RT: 3.056 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047663.D
Acq: 19 Sep 2025 10:38

Tgt Ion: 53 Resp: 13102

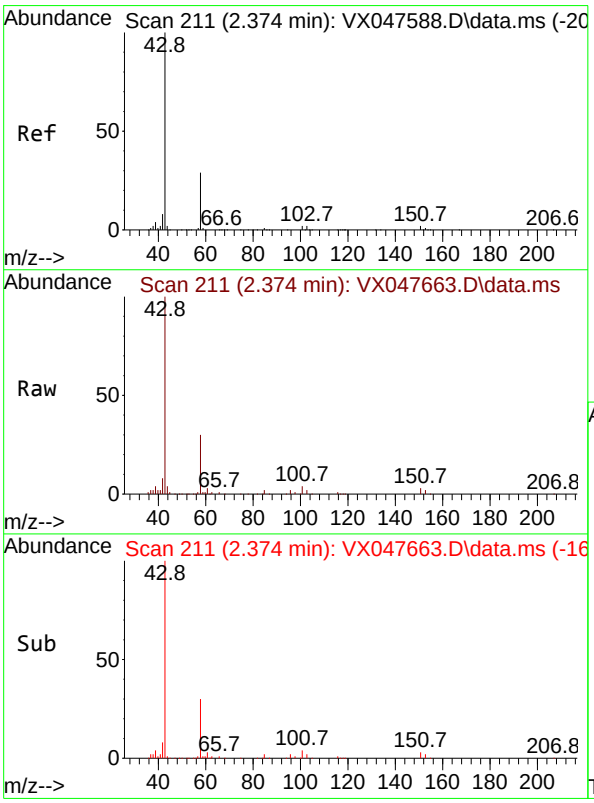
Ion	Ratio	Lower	Upper
53	100		
52	82.3	66.4	99.6
51	36.3	29.5	44.3



Instrument :
MSVOA_X
ClientSampleId :
VX0919WBS01

Manual Integrations
APPROVED

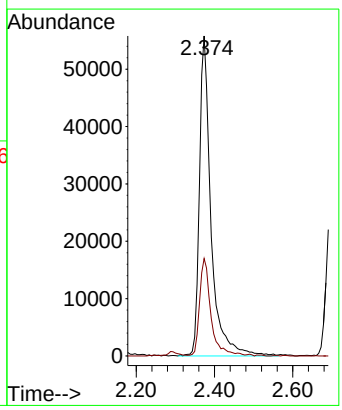
Reviewed By :Semsettin Yesilyurt 09/22/2025
Supervised By :Mahesh Dadoda 09/22/2025

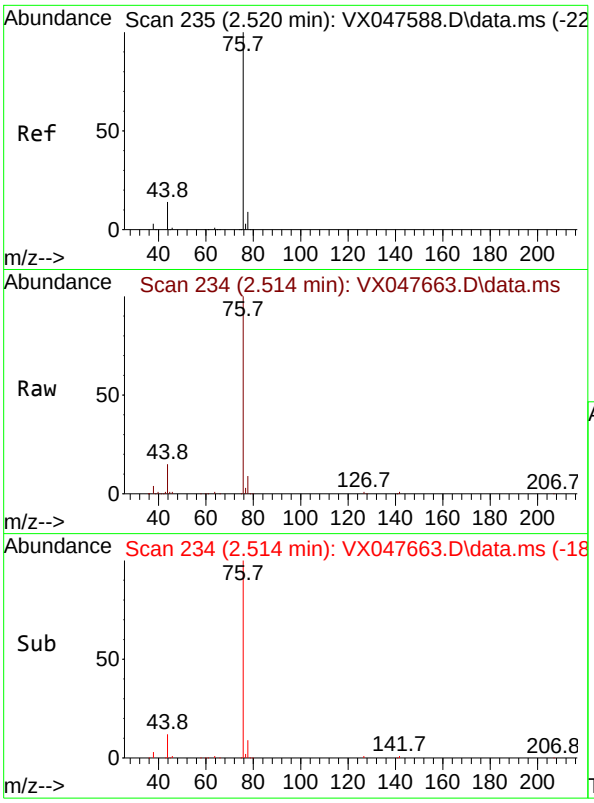


#16
Acetone
Concen: 87.256 ug/l
RT: 2.374 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX047663.D
Acq: 19 Sep 2025 10:38

Tgt Ion: 43 Resp: 115033

Ion	Ratio	Lower	Upper
43	100		
58	30.4	23.4	35.0

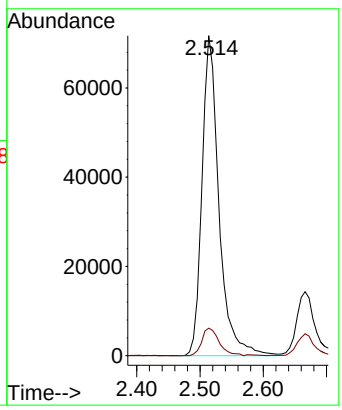




#17
Carbon Disulfide
Concen: 21.610 ug/l
RT: 2.514 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047663.D
Acq: 19 Sep 2025 10:38

Tgt Ion: 76 Resp: 13388

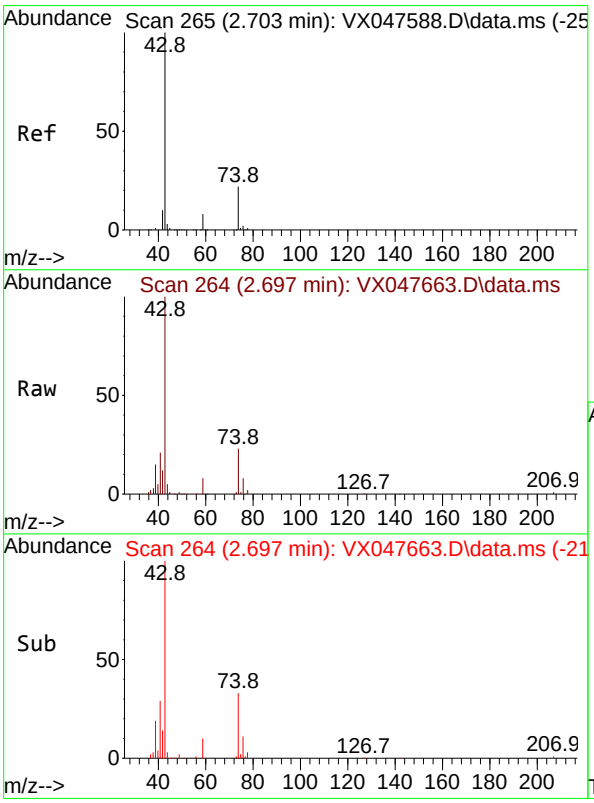
Ion	Ratio	Lower	Upper
76	100		
78	8.8	6.8	10.2



Instrument :
MSVOA_X
ClientSampleId :
VX0919WBS01

Manual Integrations
APPROVED

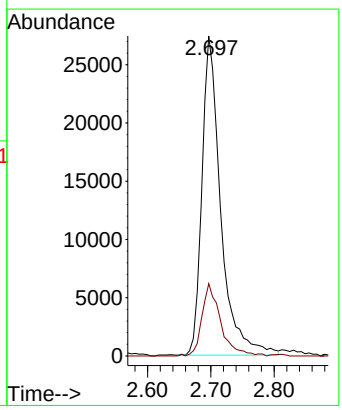
Reviewed By :Semsettin Yesilyurt 09/22/2025
Supervised By :Mahesh Dadoda 09/22/2025

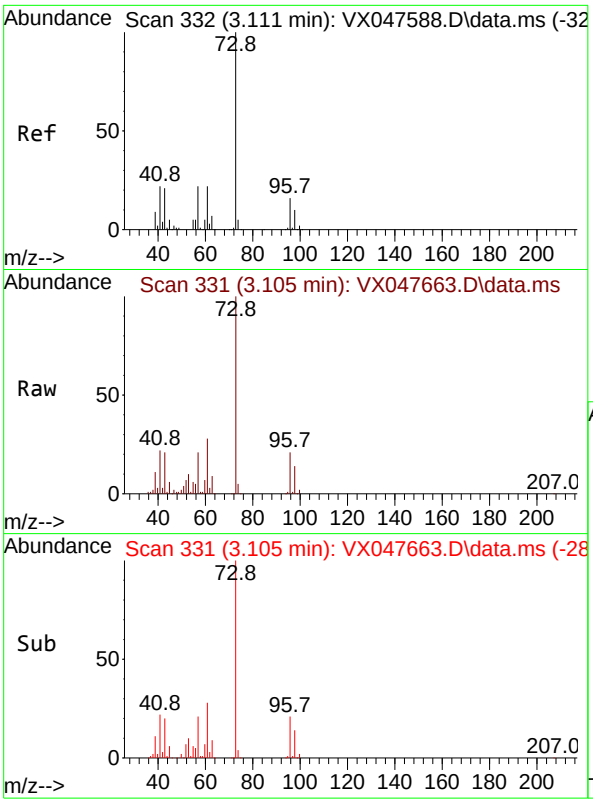


#18
Methyl Acetate
Concen: 19.367 ug/l
RT: 2.697 min Scan# 264
Delta R.T. -0.006 min
Lab File: VX047663.D
Acq: 19 Sep 2025 10:38

Tgt Ion: 43 Resp: 56823

Ion	Ratio	Lower	Upper
43	100		
74	22.4	17.4	26.2

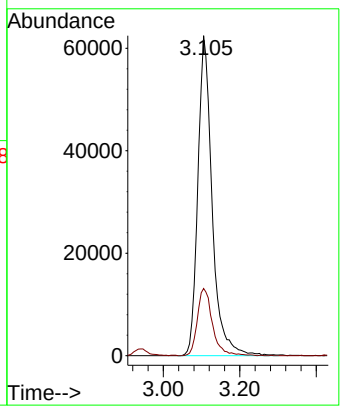




#19
Methyl tert-butyl Ether
Concen: 19.580 ug/l
RT: 3.105 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047663.D
Acq: 19 Sep 2025 10:38

Tgt Ion: 73 Resp: 16176

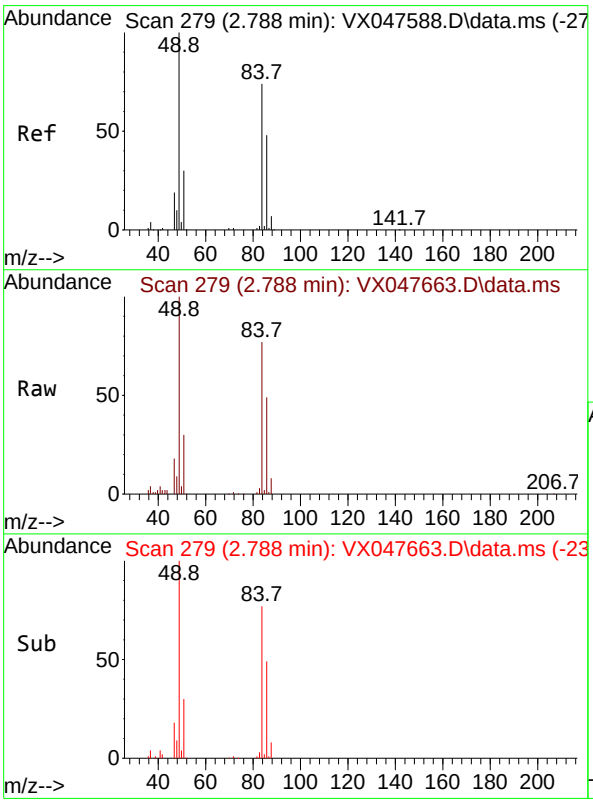
Ion	Ratio	Lower	Upper
73	100		
57	21.0	17.4	26.2



Instrument :
MSVOA_X
ClientSampleId :
VX0919WBS01

Manual Integrations
APPROVED

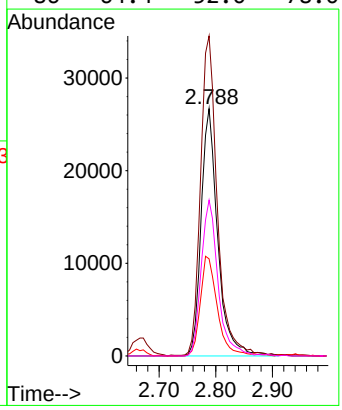
Reviewed By :Semsettin Yesilyurt 09/22/2025
Supervised By :Mahesh Dadoda 09/22/2025

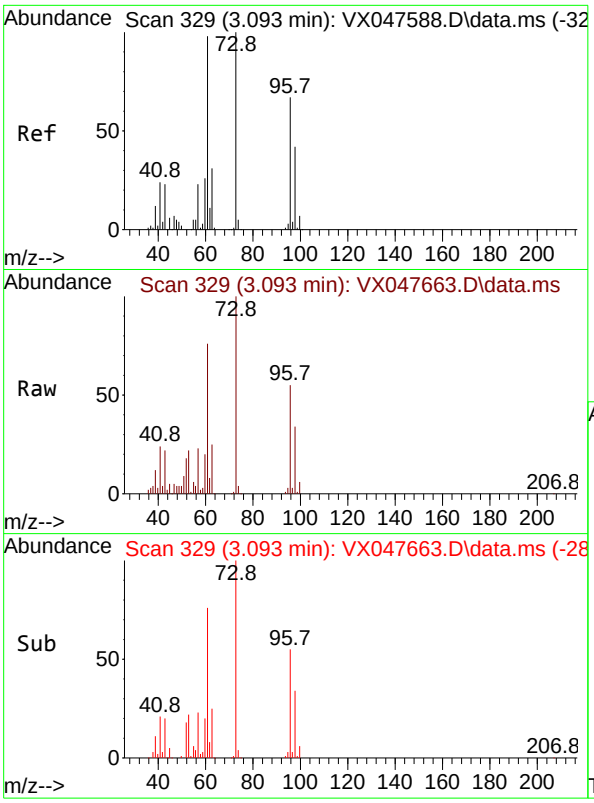


#20
Methylene Chloride
Concen: 19.514 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX047663.D
Acq: 19 Sep 2025 10:38

Tgt Ion: 84 Resp: 54454

Ion	Ratio	Lower	Upper
84	100		
49	129.1	108.6	162.8
51	39.3	32.6	48.8
86	64.4	52.0	78.0

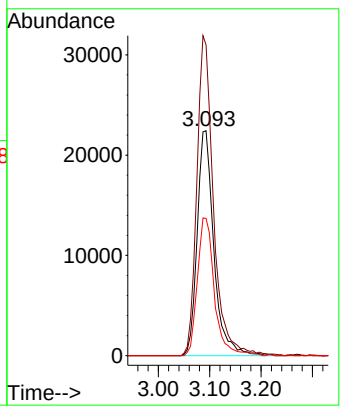




#21
trans-1,2-Dichloroethene
Concen: 20.813 ug/l
RT: 3.093 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047663.D
Acq: 19 Sep 2025 10:38

Tgt Ion: 96 Resp: 5071

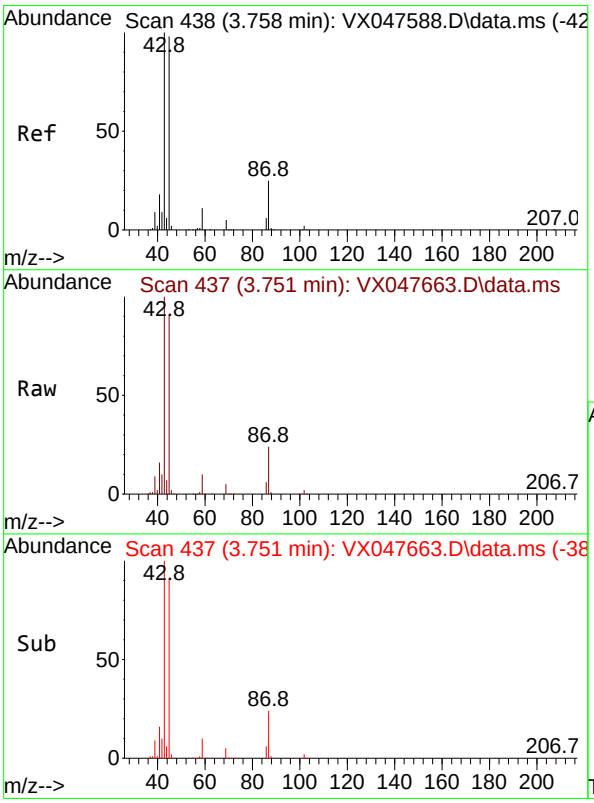
Ion	Ratio	Lower	Upper
96	100		
61	131.1	116.2	174.2
98	57.9	49.3	73.9



Instrument :
MSVOA_X
ClientSampleId :
VX0919WBS01

Manual Integrations
APPROVED

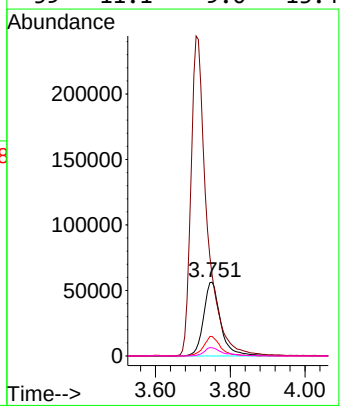
Reviewed By :Semsettin Yesilyurt 09/22/2025
Supervised By :Mahesh Dadoda 09/22/2025

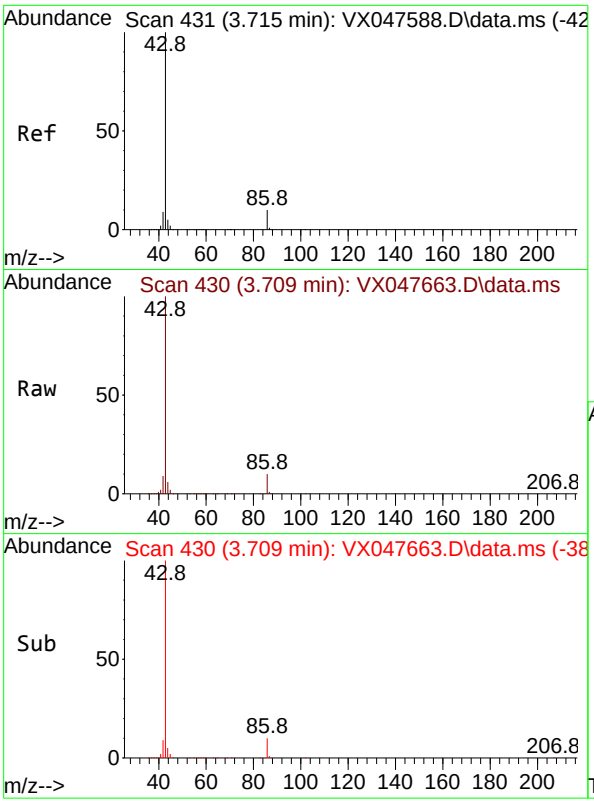


#22
Diisopropyl ether
Concen: 19.667 ug/l
RT: 3.751 min Scan# 437
Delta R.T. -0.006 min
Lab File: VX047663.D
Acq: 19 Sep 2025 10:38

Tgt Ion: 45 Resp: 178004

Ion	Ratio	Lower	Upper
45	100		
43	108.9	81.0	121.4
87	26.5	20.3	30.5
59	11.1	9.0	13.4

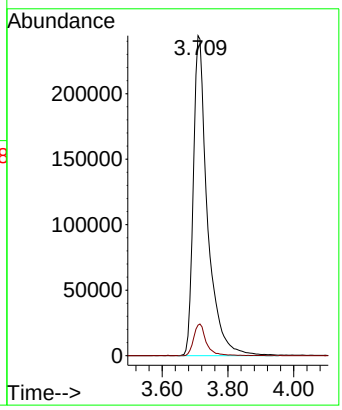




#23
Vinyl Acetate
Concen: 100.705 ug/l
RT: 3.709 min Scan# 4
Delta R.T. -0.006 min
Lab File: VX047663.D
Acq: 19 Sep 2025 10:38

Tgt Ion: 43 Resp: 72948

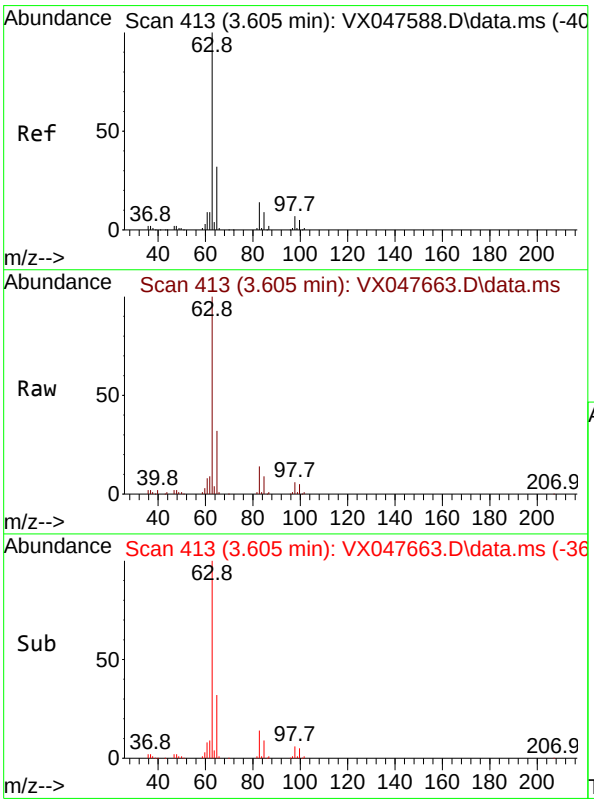
Ion	Ratio	Lower	Upper
43	100		
86	10.4	7.8	11.8



Instrument :
MSVOA_X
ClientSampleId :
VX0919WBS01

Manual Integrations
APPROVED

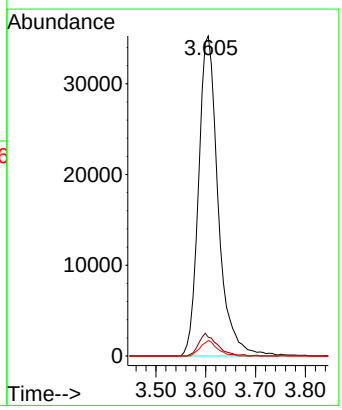
Reviewed By :Semsettin Yesilyurt 09/22/2025
Supervised By :Mahesh Dadoda 09/22/2025

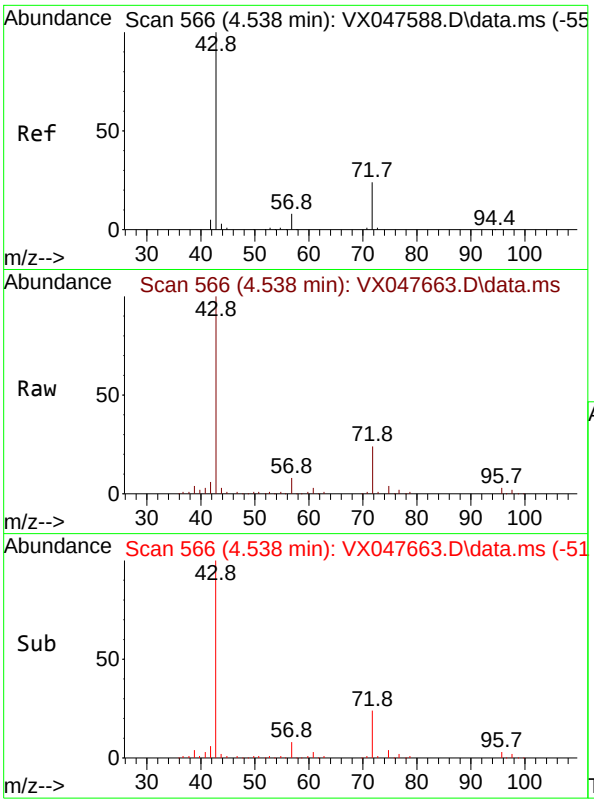


#24
1,1-Dichloroethane
Concen: 19.987 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX047663.D
Acq: 19 Sep 2025 10:38

Tgt Ion: 63 Resp: 96151

Ion	Ratio	Lower	Upper
63	100		
98	5.9	3.8	11.2
100	4.8	2.3	6.9

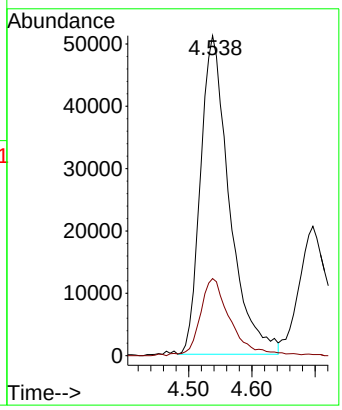




#25
2-Butanone
Concen: 98.842 ug/l
RT: 4.538 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX047663.D
Acq: 19 Sep 2025 10:38

Tgt Ion: 43 Resp: 16254

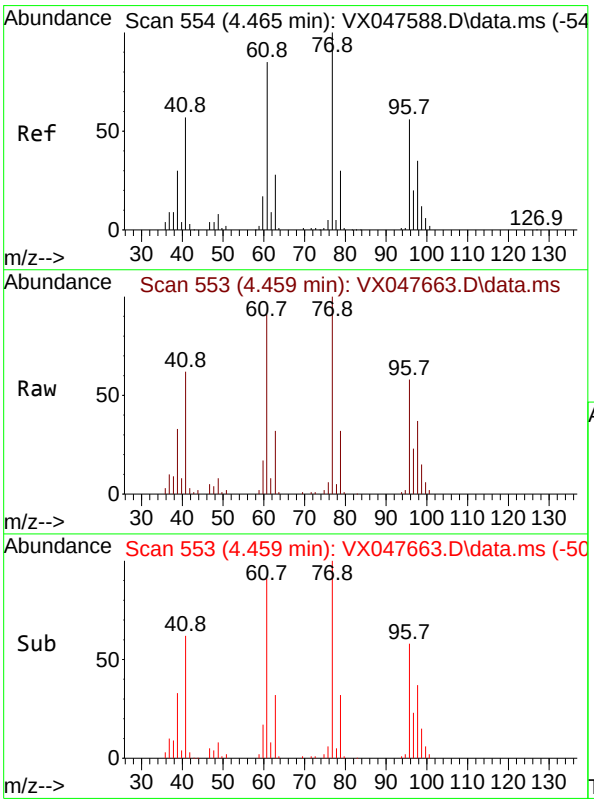
Ion	Ratio	Lower	Upper
43	100		
72	23.6	20.1	30.1



Instrument :
MSVOA_X
ClientSampleId :
VX0919WBS01

Manual Integrations APPROVED

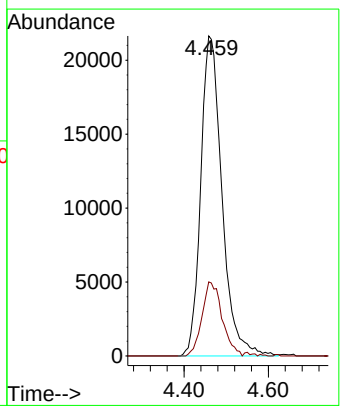
Reviewed By :Semsettin Yesilyurt 09/22/2025
Supervised By :Mahesh Dadoda 09/22/2025

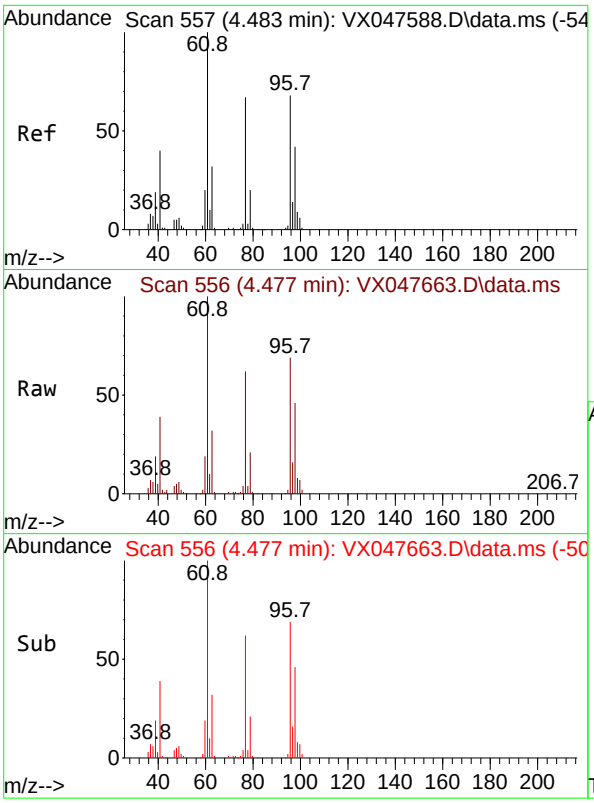


#26
2,2-Dichloropropane
Concen: 18.948 ug/l
RT: 4.459 min Scan# 553
Delta R.T. -0.006 min
Lab File: VX047663.D
Acq: 19 Sep 2025 10:38

Tgt Ion: 77 Resp: 75768

Ion	Ratio	Lower	Upper
77	100		
97	21.9	10.9	32.7

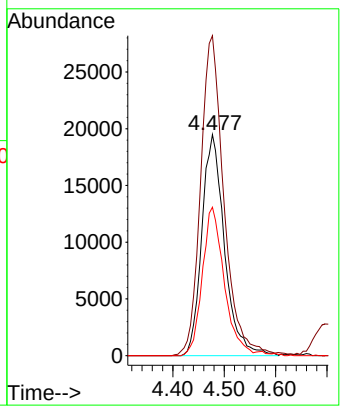




#27
cis-1,2-Dichloroethene
Concen: 19.998 ug/l
RT: 4.477 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX047663.D
Acq: 19 Sep 2025 10:38

Tgt Ion: 96 Resp: 5967

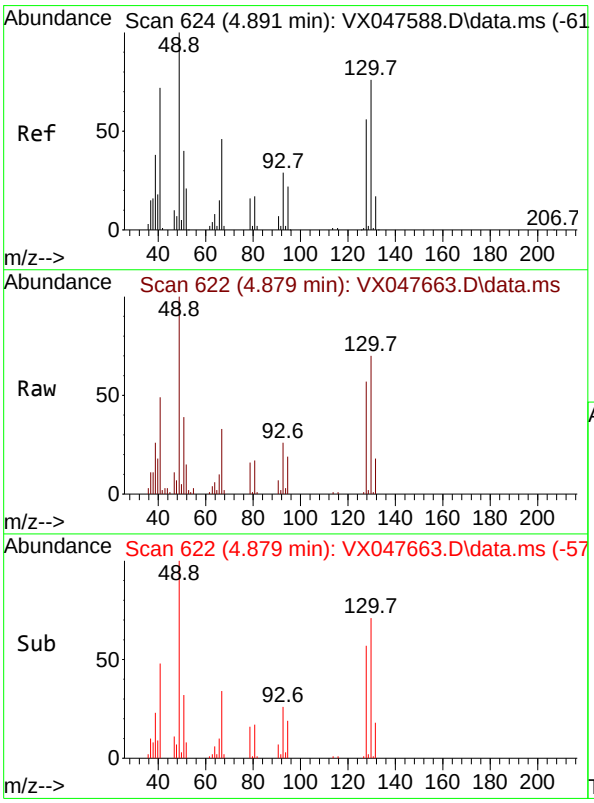
Ion	Ratio	Lower	Upper
96	100		
61	149.4	0.0	303.2
98	64.8	0.0	127.8



Instrument :
MSVOA_X
ClientSampleId :
VX0919WBS01

Manual Integrations
APPROVED

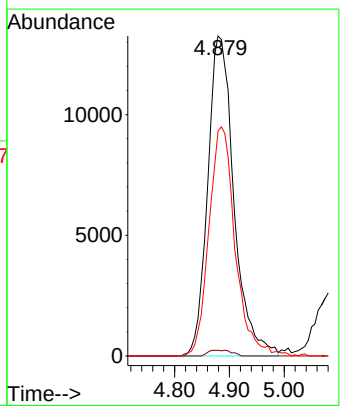
Reviewed By :Semsettin Yesilyurt 09/22/2025
Supervised By :Mahesh Dadoda 09/22/2025

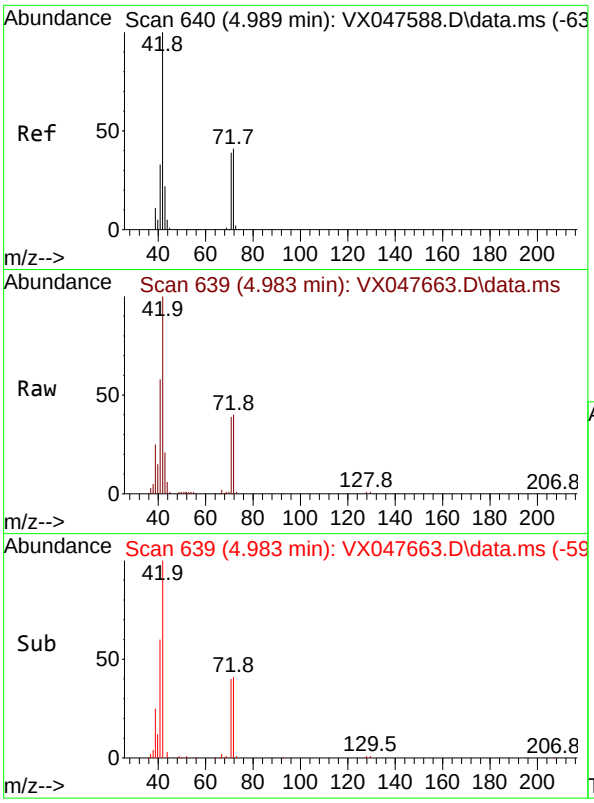


#28
Bromochloromethane
Concen: 20.939 ug/l
RT: 4.879 min Scan# 622
Delta R.T. -0.012 min
Lab File: VX047663.D
Acq: 19 Sep 2025 10:38

Tgt Ion: 49 Resp: 43974

Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	3.2
130	71.7	57.8	86.8





#29
Tetrahydrofuran
Concen: 104.940 ug/l
RT: 4.983 min Scan# 6
Delta R.T. -0.006 min
Lab File: VX047663.D
Acq: 19 Sep 2025 10:38

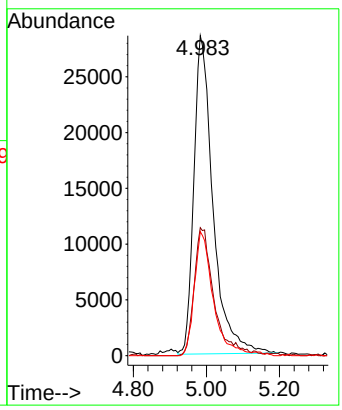
Tgt Ion: 42 Resp: 10381

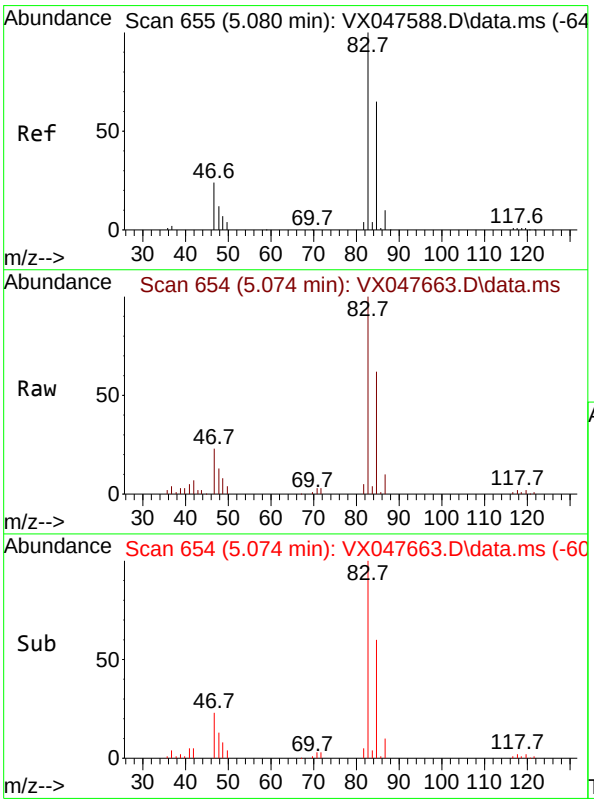
Ion	Ratio	Lower	Upper
42	100		
72	41.5	34.2	51.2
71	38.4	31.9	47.9

Instrument :
MSVOA_X
ClientSampleId :
VX0919WBS01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 09/22/2025
Supervised By :Mahesh Dadoda 09/22/2025

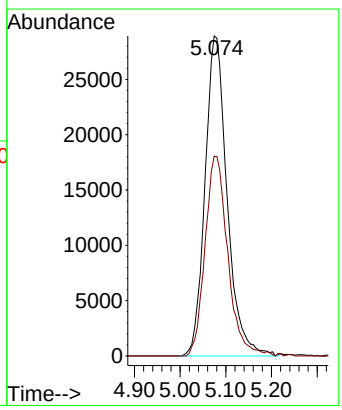


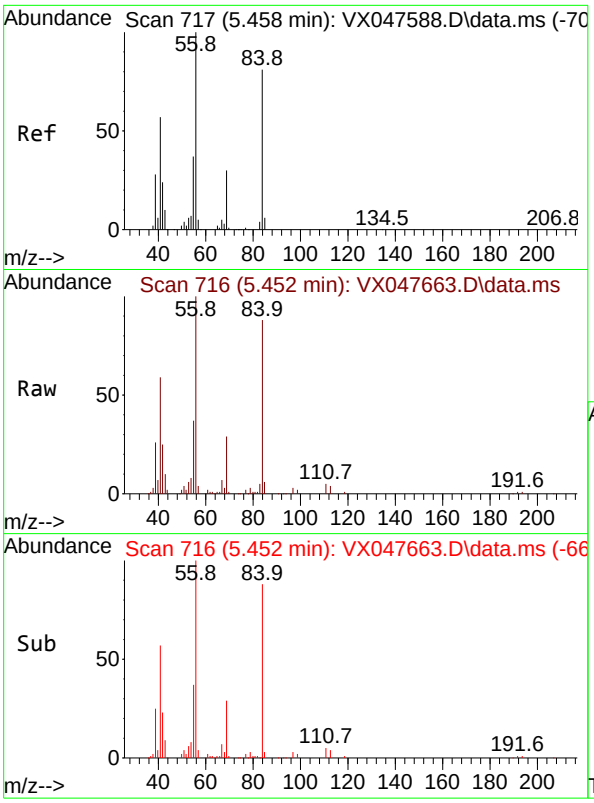


#30
Chloroform
Concen: 20.030 ug/l
RT: 5.074 min Scan# 654
Delta R.T. -0.006 min
Lab File: VX047663.D
Acq: 19 Sep 2025 10:38

Tgt Ion: 83 Resp: 97368

Ion	Ratio	Lower	Upper
83	100		
85	62.5	51.8	77.6

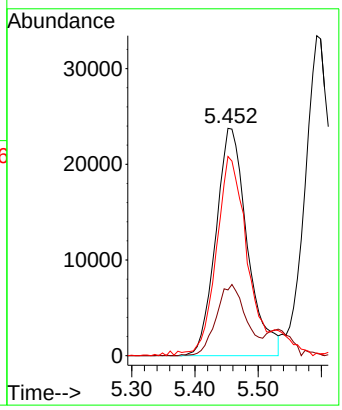




#31
Cyclohexane
Concen: 20.435 ug/l
RT: 5.452 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047663.D
Acq: 19 Sep 2025 10:38

Tgt Ion: 56 Resp: 8187

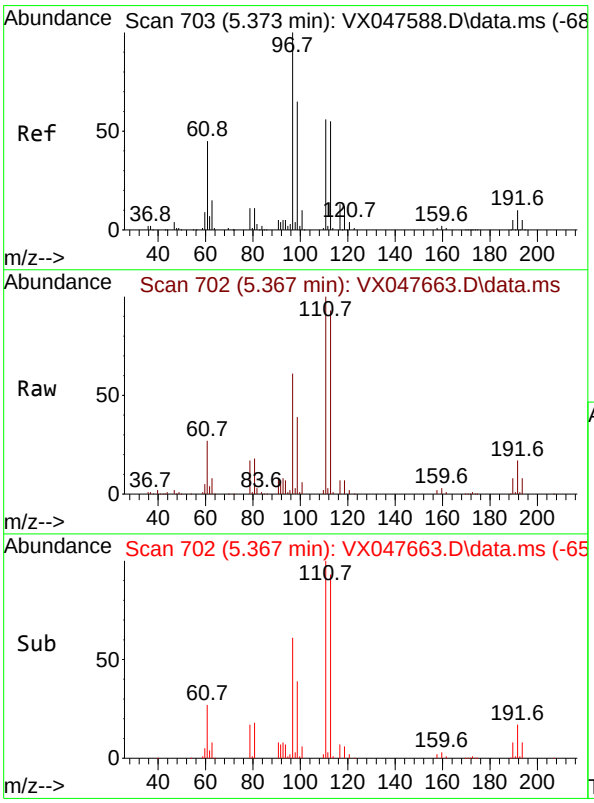
Ion	Ratio	Lower	Upper
56	100		
69	29.6	23.8	35.8
84	85.6	64.6	97.0



Instrument :
MSVOA_X
ClientSampleId :
VX0919WBS01

Manual Integrations
APPROVED

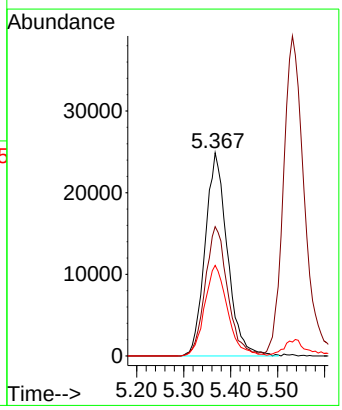
Reviewed By :Semsettin Yesilyurt 09/22/2025
Supervised By :Mahesh Dadoda 09/22/2025

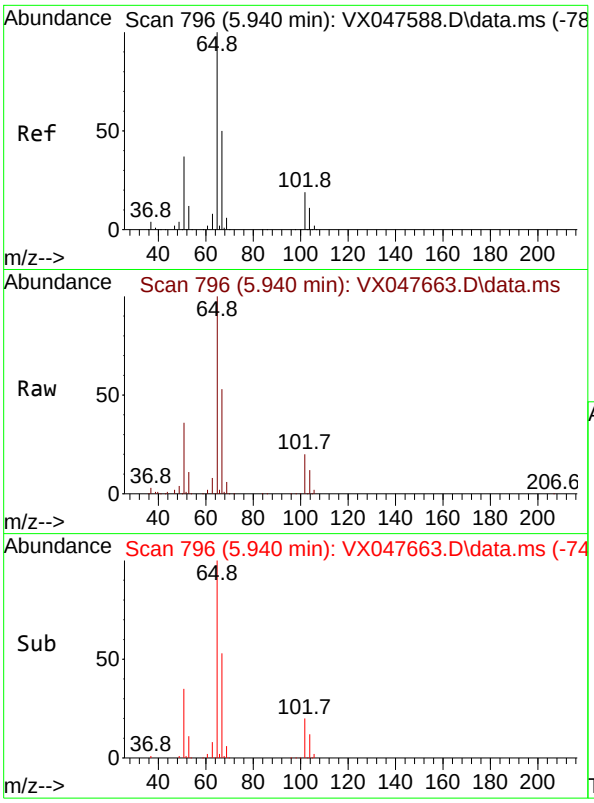


#32
1,1,1-Trichloroethane
Concen: 19.862 ug/l
RT: 5.367 min Scan# 702
Delta R.T. -0.006 min
Lab File: VX047663.D
Acq: 19 Sep 2025 10:38

Tgt Ion: 97 Resp: 81898

Ion	Ratio	Lower	Upper
97	100		
99	64.0	50.6	76.0
61	45.7	35.8	53.8

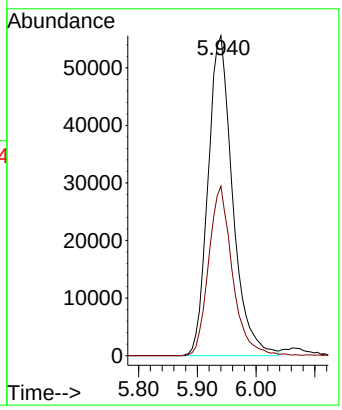




#33
1,2-Dichloroethane-d4
Concen: 53.214 ug/l
RT: 5.940 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047663.D
Acq: 19 Sep 2025 10:38

Tgt Ion: 65 Resp: 16134

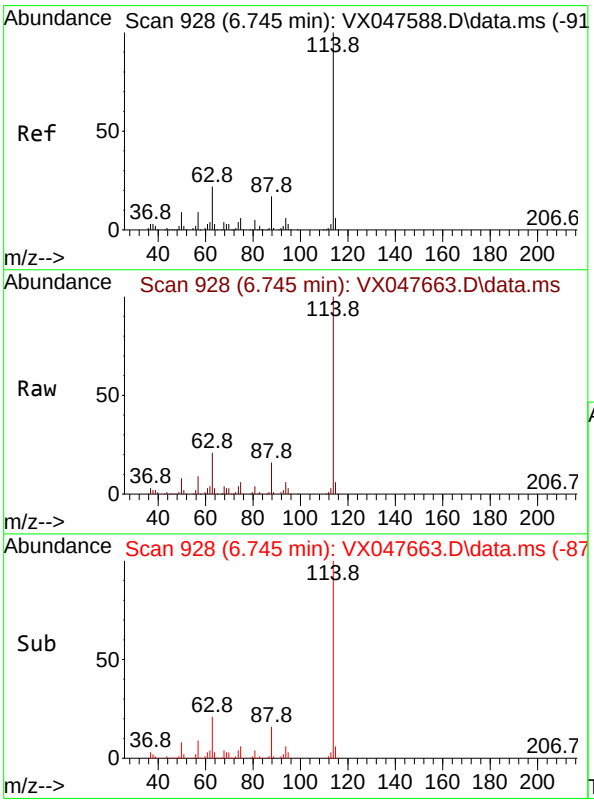
Ion	Ratio	Lower	Upper
65	100		
67	51.4	0.0	103.0



Instrument :
MSVOA_X
ClientSampleId :
VX0919WBS01

Manual Integrations
APPROVED

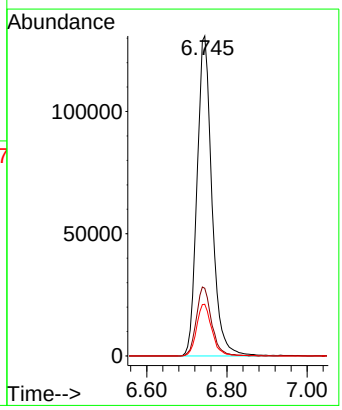
Reviewed By :Semsettin Yesilyurt 09/22/2025
Supervised By :Mahesh Dadoda 09/22/2025

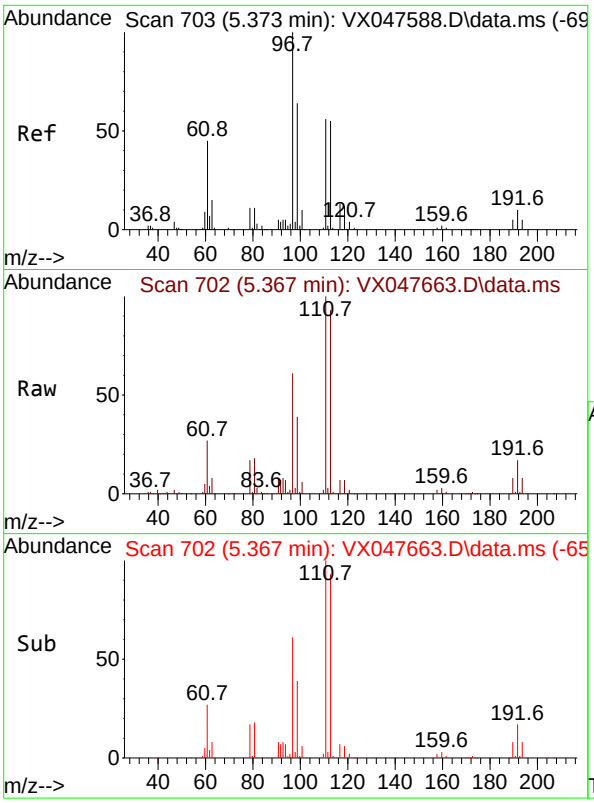


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 928
Delta R.T. -0.000 min
Lab File: VX047663.D
Acq: 19 Sep 2025 10:38

Tgt Ion:114 Resp: 337411

Ion	Ratio	Lower	Upper
114	100		
63	21.2	0.0	44.0
88	16.1	0.0	34.2

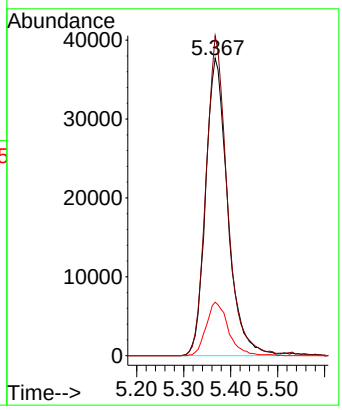




#35
Dibromofluoromethane
Concen: 54.245 ug/l
RT: 5.367 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047663.D
Acq: 19 Sep 2025 10:38

Tgt Ion:113 Resp: 12274

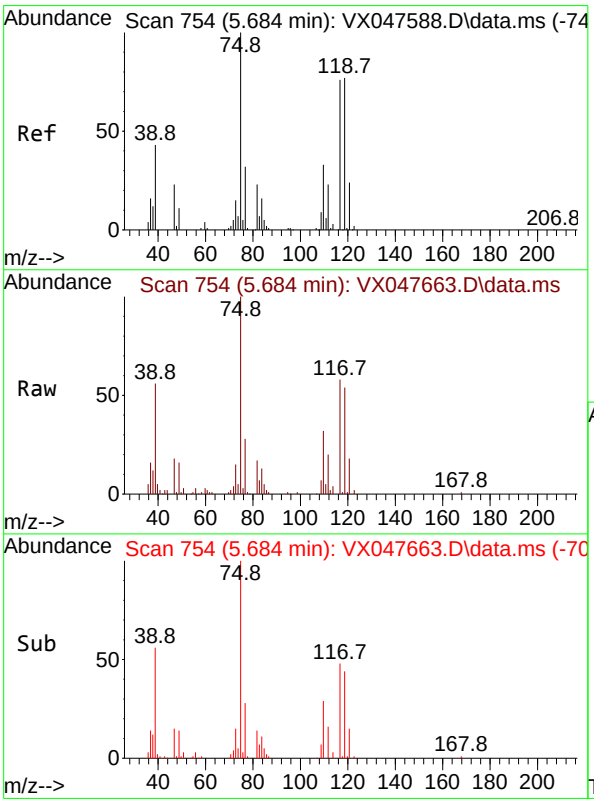
Ion	Ratio	Lower	Upper
113	100		
111	104.1	80.9	121.3
192	18.1	14.2	21.4



Instrument :
MSVOA_X
ClientSampleId :
VX0919WBS01

Manual Integrations
APPROVED

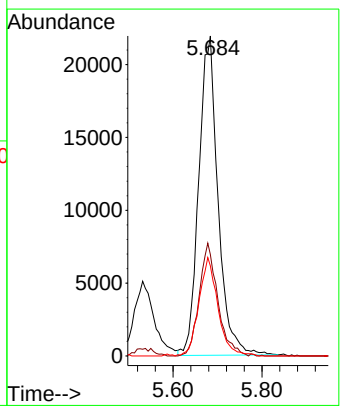
Reviewed By :Semsettin Yesilyurt 09/22/2025
Supervised By :Mahesh Dadoda 09/22/2025

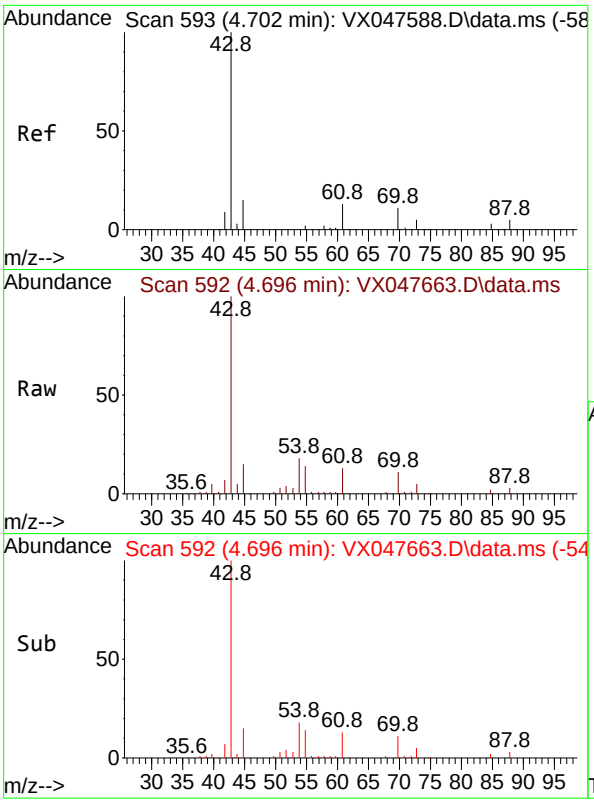


#36
1,1-Dichloropropene
Concen: 19.988 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.000 min
Lab File: VX047663.D
Acq: 19 Sep 2025 10:38

Tgt Ion: 75 Resp: 66091

Ion	Ratio	Lower	Upper
75	100		
110	34.2	16.7	50.1
77	30.5	24.3	36.5

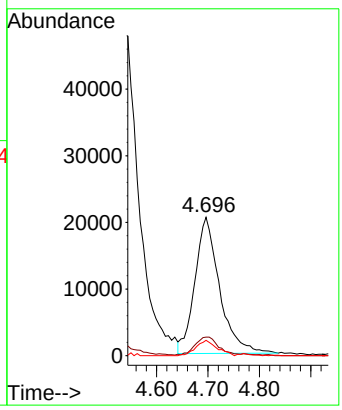




#37
Ethyl Acetate
Concen: 19.251 ug/l
RT: 4.696 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX047663.D
Acq: 19 Sep 2025 10:38

Tgt Ion: 43 Resp: 6815

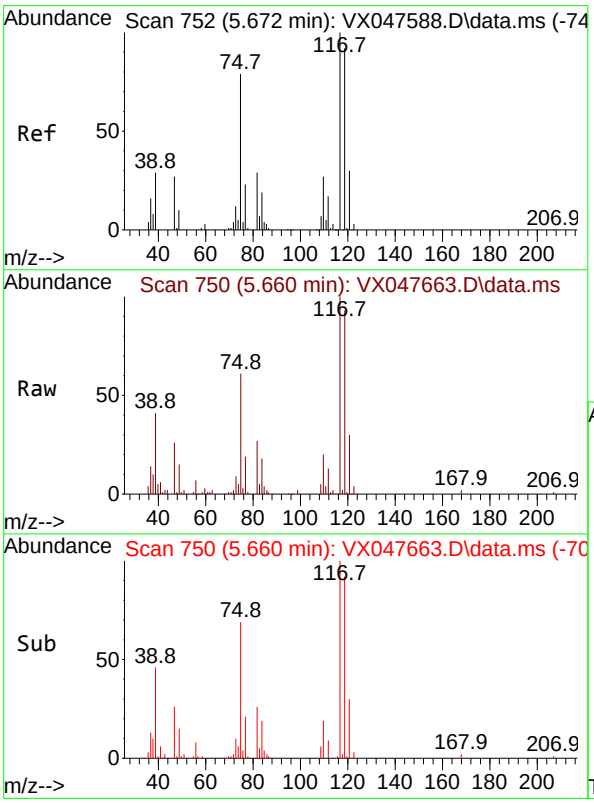
Ion	Ratio	Lower	Upper
43	100		
61	12.3	9.8	14.8
70	9.6	7.9	11.9



Instrument :
MSVOA_X
ClientSampleId :
VX0919WBS01

Manual Integrations
APPROVED

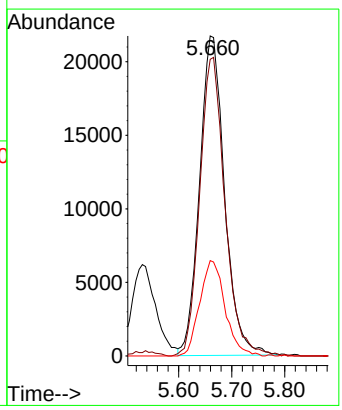
Reviewed By :Semsettin Yesilyurt 09/22/2025
Supervised By :Mahesh Dadoda 09/22/2025

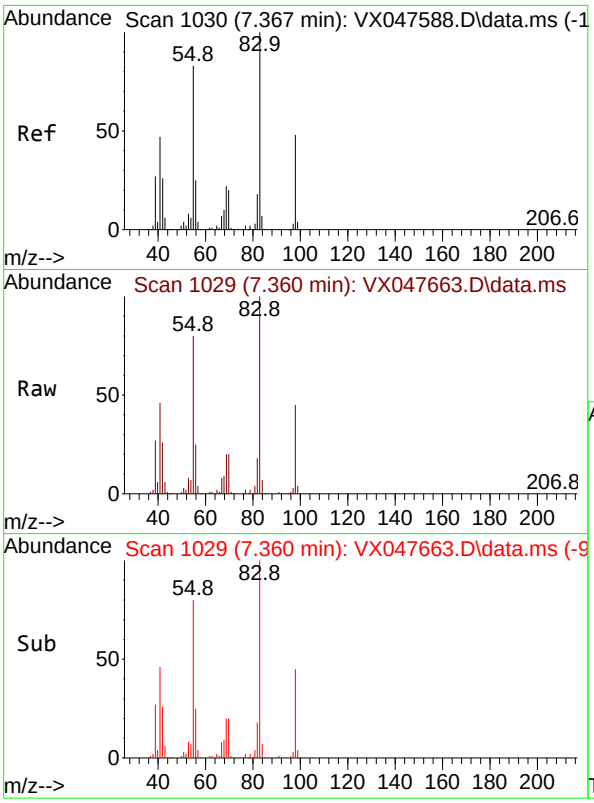


#38
Carbon Tetrachloride
Concen: 19.821 ug/l
RT: 5.660 min Scan# 750
Delta R.T. -0.012 min
Lab File: VX047663.D
Acq: 19 Sep 2025 10:38

Tgt Ion:117 Resp: 71209

Ion	Ratio	Lower	Upper
117	100		
119	92.4	73.4	110.2
121	29.9	23.8	35.6

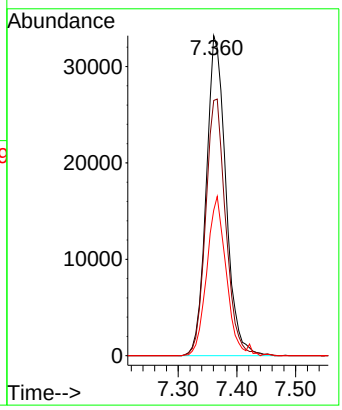




#39
Methylcyclohexane
Concen: 20.500 ug/l
RT: 7.360 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047663.D
Acq: 19 Sep 2025 10:38

Tgt Ion: 83 Resp: 7694

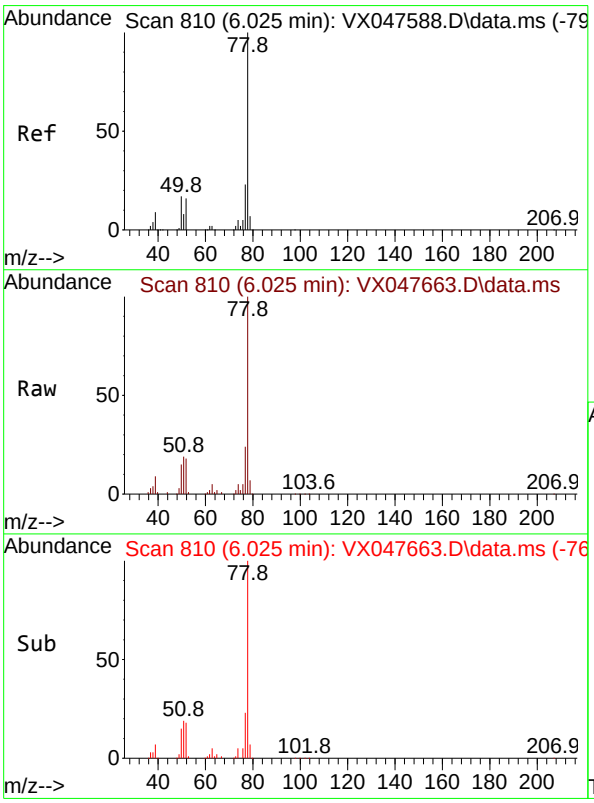
Ion	Ratio	Lower	Upper
83	100		
55	79.8	66.4	99.6
98	45.5	38.1	57.1



Instrument :
MSVOA_X
ClientSampleId :
VX0919WBS01

Manual Integrations
APPROVED

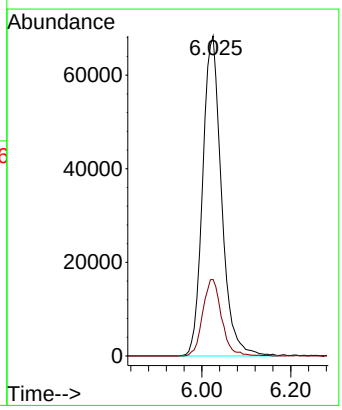
Reviewed By :Semsettin Yesilyurt 09/22/2025
Supervised By :Mahesh Dadoda 09/22/2025

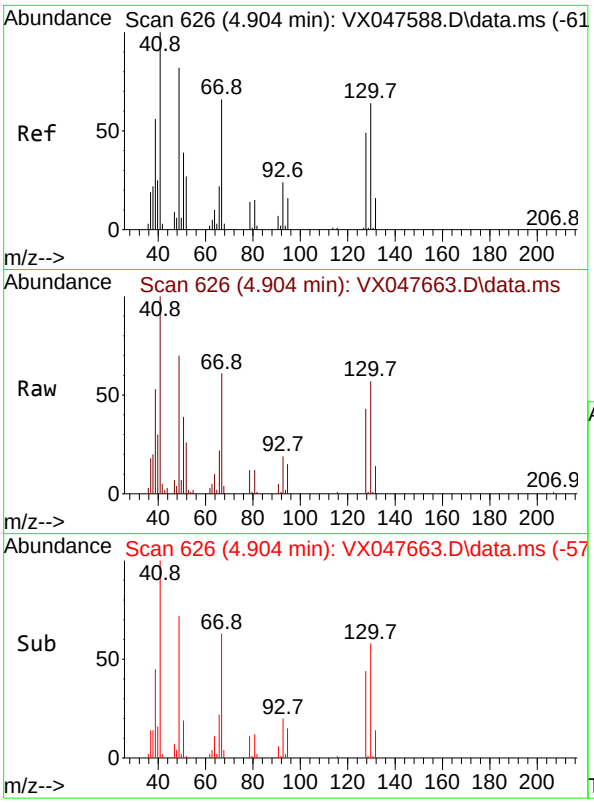


#40
Benzene
Concen: 20.095 ug/l
RT: 6.025 min Scan# 810
Delta R.T. -0.000 min
Lab File: VX047663.D
Acq: 19 Sep 2025 10:38

Tgt Ion: 78 Resp: 201814

Ion	Ratio	Lower	Upper
78	100		
77	23.9	18.8	28.2

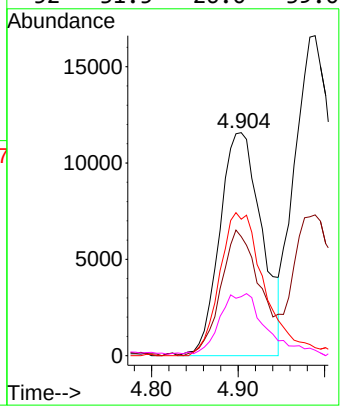




#41
Methacrylonitrile
Concen: 21.362 ug/l
RT: 4.904 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX047663.D
Acq: 19 Sep 2025 10:38

Tgt Ion: 41 Resp: 3904

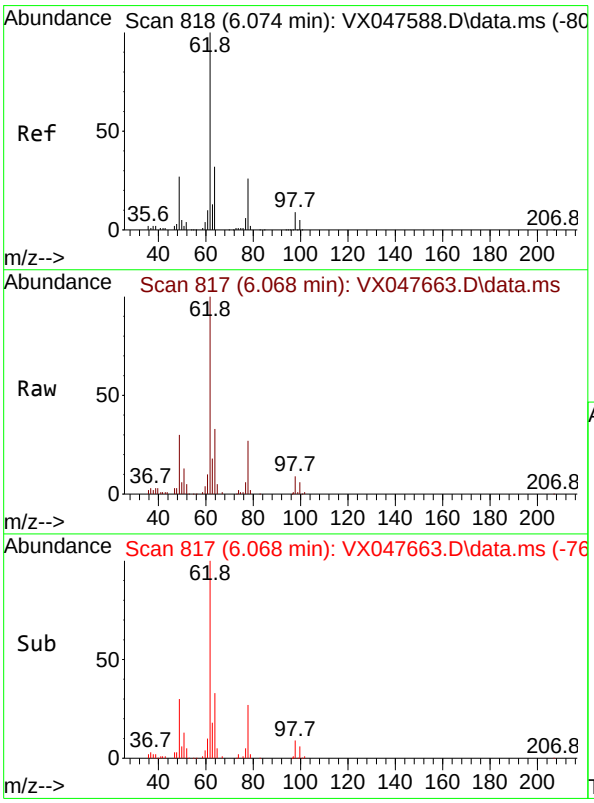
Ion	Ratio	Lower	Upper
41	100		
39	50.9	43.3	64.9
67	69.4	58.6	87.8
52	31.5	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
VX0919WBS01

Manual Integrations
APPROVED

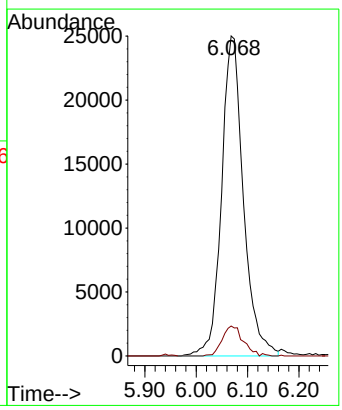
Reviewed By :Semsettin Yesilyurt 09/22/2025
Supervised By :Mahesh Dadoda 09/22/2025

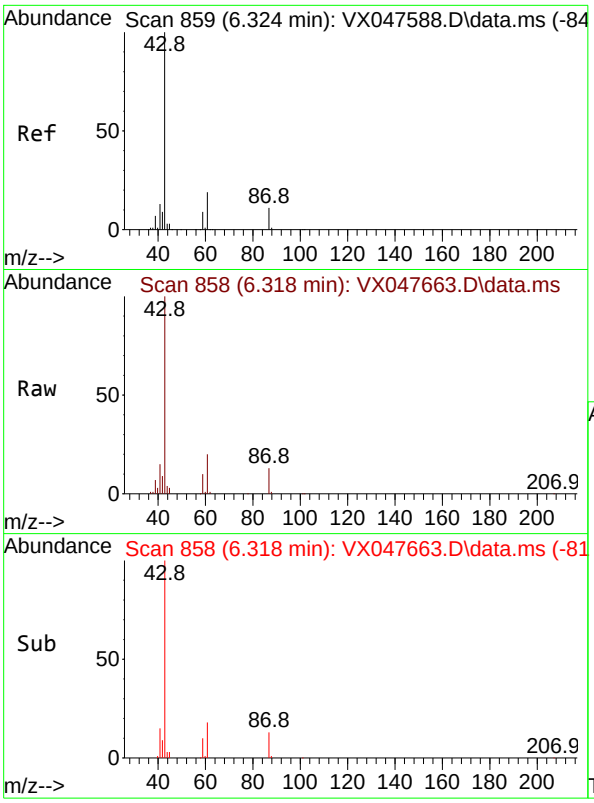


#42
1,2-Dichloroethane
Concen: 19.343 ug/l
RT: 6.068 min Scan# 817
Delta R.T. -0.006 min
Lab File: VX047663.D
Acq: 19 Sep 2025 10:38

Tgt Ion: 62 Resp: 73915

Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	17.0

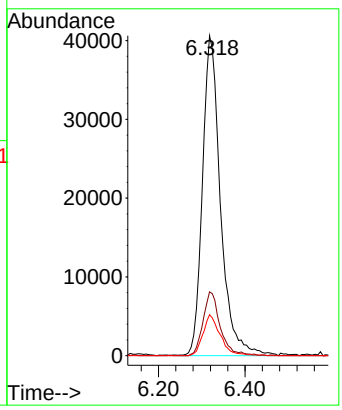




#43
Isopropyl Acetate
Concen: 20.269 ug/l
RT: 6.318 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX047663.D
Acq: 19 Sep 2025 10:38

Tgt Ion: 43 Resp: 11769

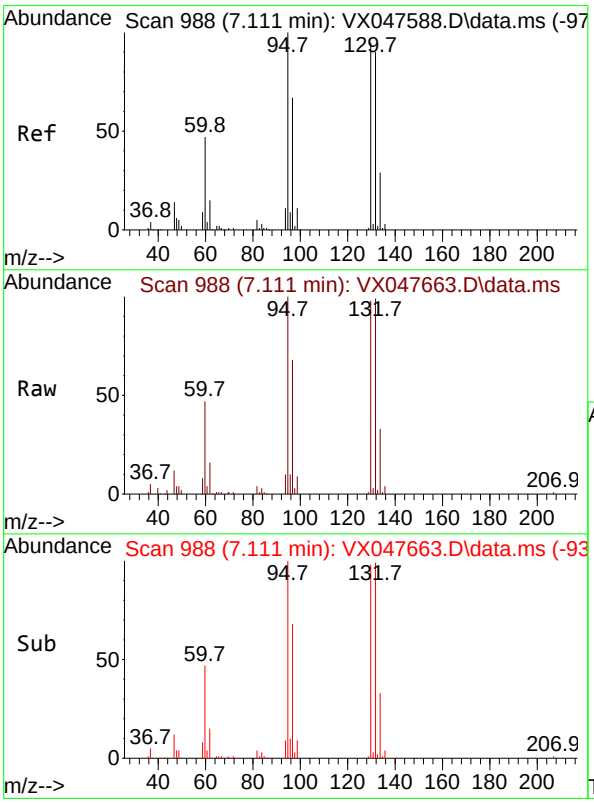
Ion	Ratio	Lower	Upper
43	100		
61	19.0	15.2	22.8
87	12.3	9.6	14.4



Instrument :
MSVOA_X
ClientSampleId :
VX0919WBS01

Manual Integrations
APPROVED

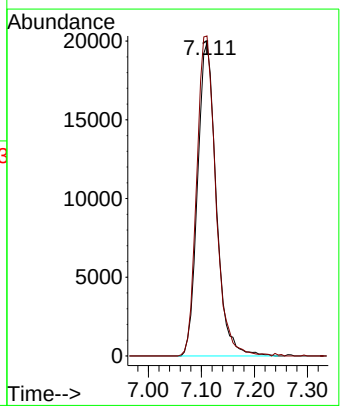
Reviewed By :Semsettin Yesilyurt 09/22/2025
Supervised By :Mahesh Dadoda 09/22/2025

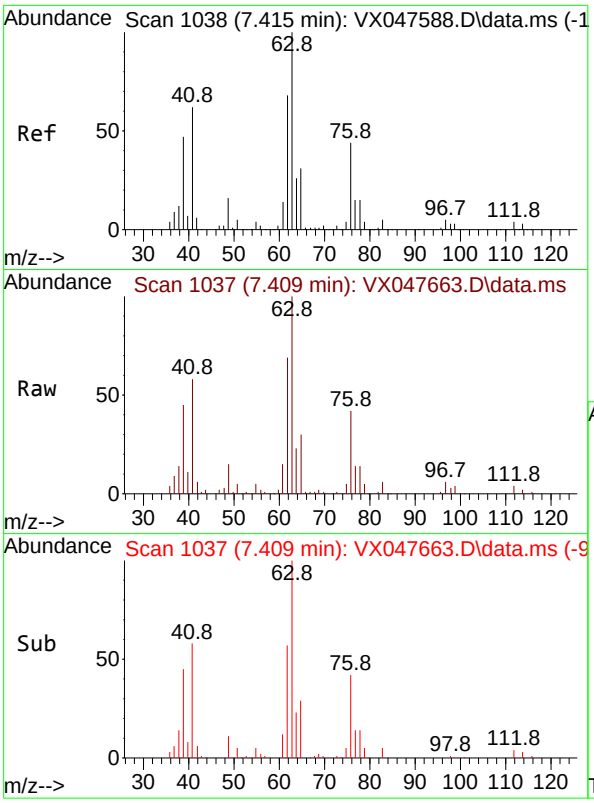


#44
Trichloroethene
Concen: 19.988 ug/l
RT: 7.111 min Scan# 988
Delta R.T. -0.000 min
Lab File: VX047663.D
Acq: 19 Sep 2025 10:38

Tgt Ion:130 Resp: 48532

Ion	Ratio	Lower	Upper
130	100		
95	102.4	0.0	210.8





#45
1,2-Dichloropropane
Concen: 19.941 ug/l
RT: 7.409 min Scan# 1(
Delta R.T. -0.006 min
Lab File: VX047663.D
Acq: 19 Sep 2025 10:38

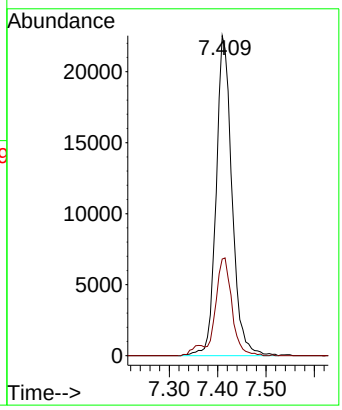
Tgt Ion: 63 Resp: 5128(

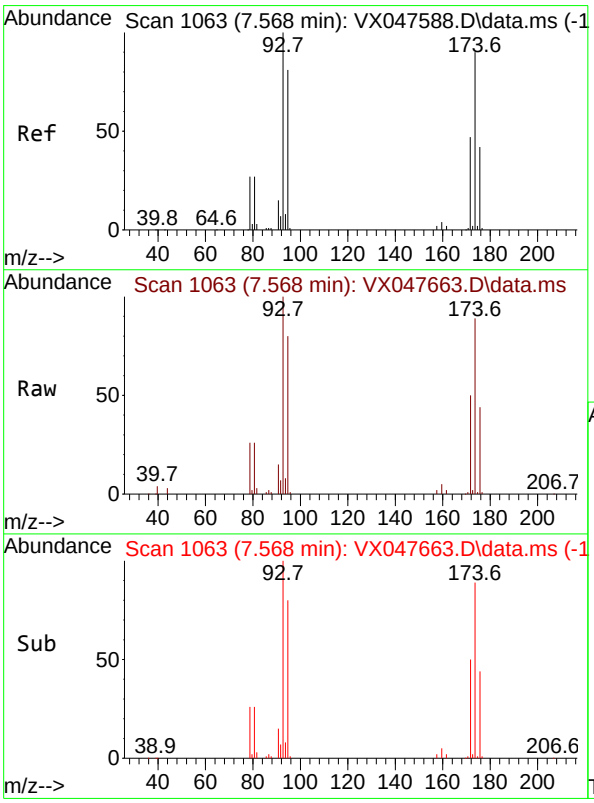
Ion	Ratio	Lower	Upper
63	100		
65	30.2	24.7	37.1

Instrument :
MSVOA_X
ClientSampleId :
VX0919WBS01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 09/22/2025
Supervised By :Mahesh Dadoda 09/22/2025

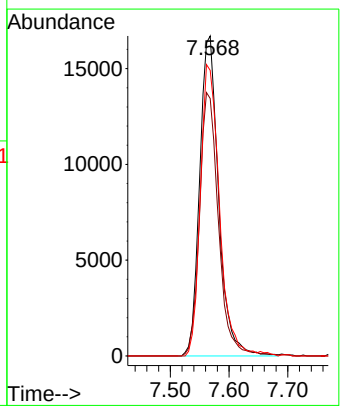


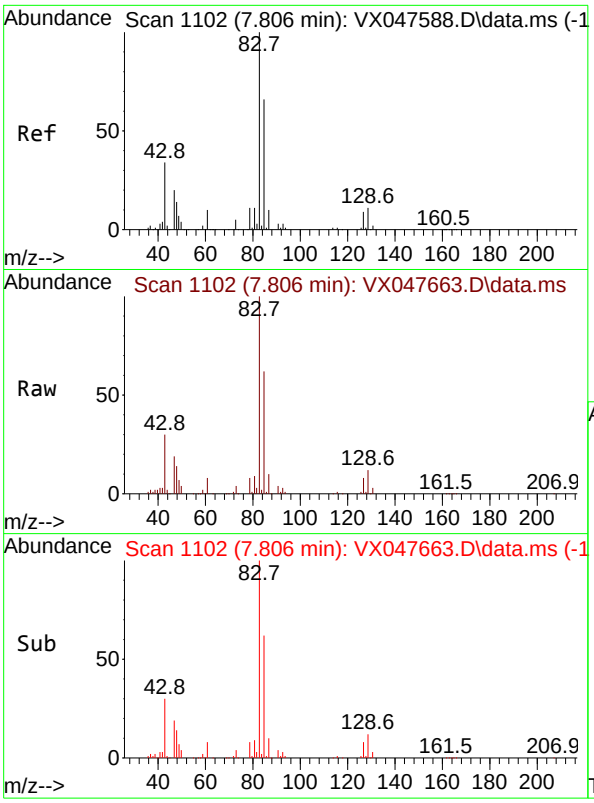


#46
Dibromomethane
Concen: 19.938 ug/l
RT: 7.568 min Scan# 1063
Delta R.T. -0.000 min
Lab File: VX047663.D
Acq: 19 Sep 2025 10:38

Tgt Ion: 93 Resp: 37312

Ion	Ratio	Lower	Upper
93	100		
95	82.4	65.0	97.6
174	92.5	71.6	107.4

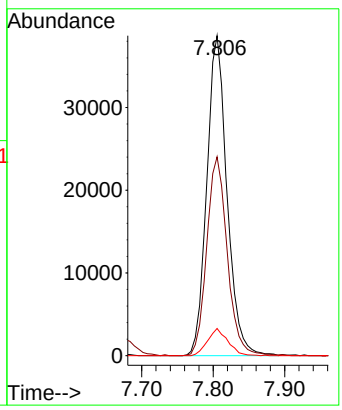




#47
Bromodichloromethane
Concen: 19.667 ug/l
RT: 7.806 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX047663.D
Acq: 19 Sep 2025 10:38

Tgt Ion: 83 Resp: 7594

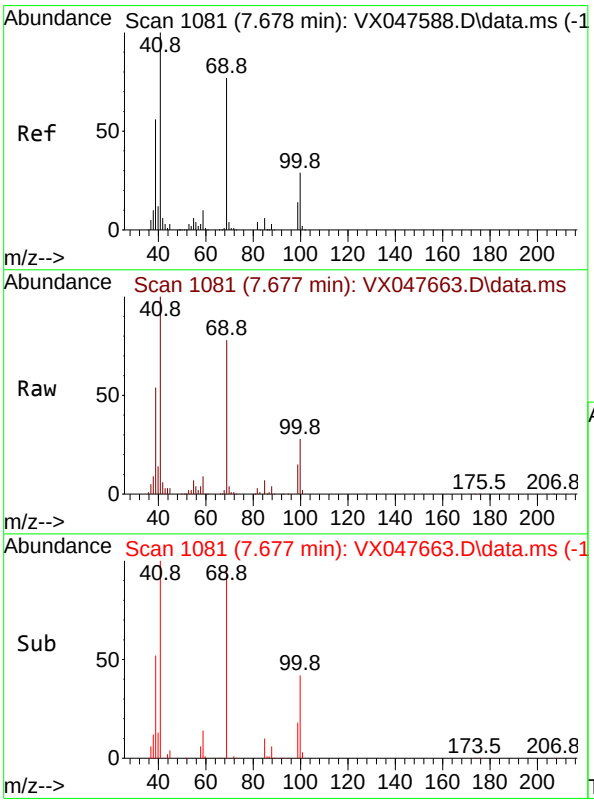
Ion	Ratio	Lower	Upper
83	100		
85	62.2	52.5	78.7
127	8.5	6.9	10.3



Instrument :
MSVOA_X
ClientSampleId :
VX0919WBS01

Manual Integrations
APPROVED

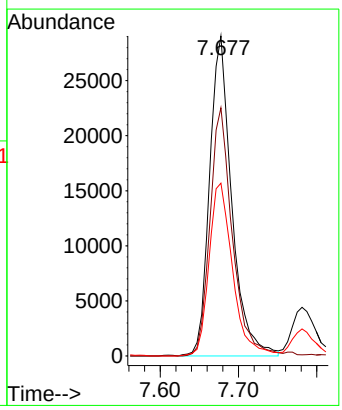
Reviewed By :Semsettin Yesilyurt 09/22/2025
Supervised By :Mahesh Dadoda 09/22/2025

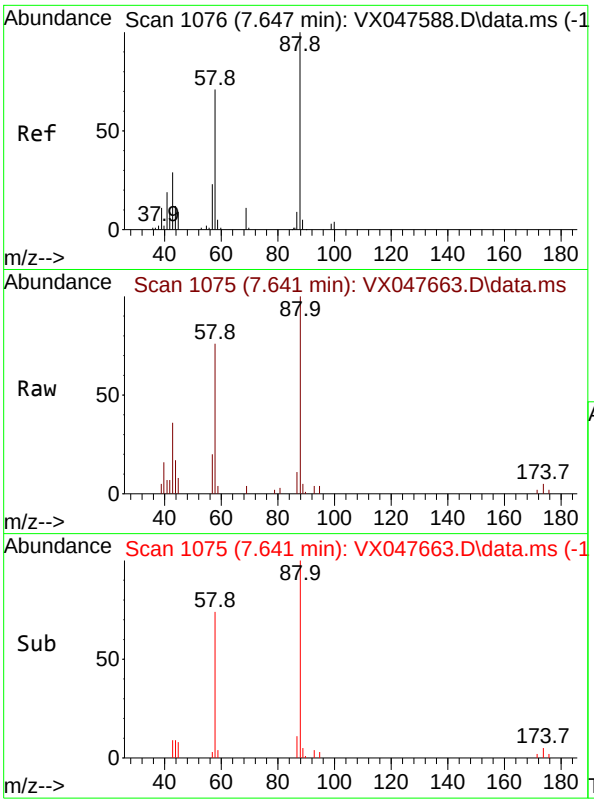


#48
Methyl methacrylate
Concen: 19.745 ug/l
RT: 7.677 min Scan# 1081
Delta R.T. -0.000 min
Lab File: VX047663.D
Acq: 19 Sep 2025 10:38

Tgt Ion: 41 Resp: 57109

Ion	Ratio	Lower	Upper
41	100		
69	78.5	61.4	92.2
39	57.6	45.8	68.6





#49
1,4-Dioxane
Concen: 442.088 ug/l
RT: 7.641 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047663.D
Acq: 19 Sep 2025 10:38

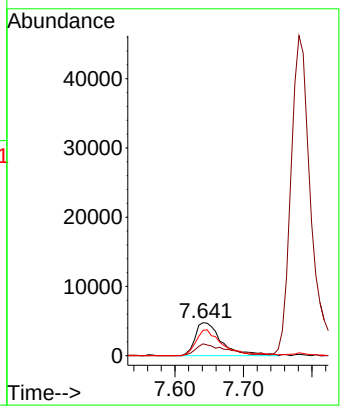
Tgt Ion: 88 Resp: 1292

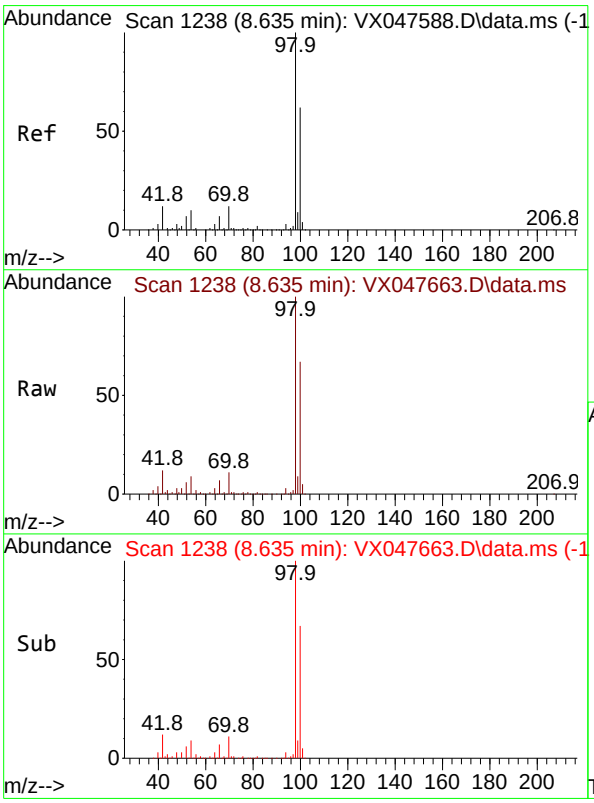
Ion	Ratio	Lower	Upper
88	100		
43	42.3	30.2	45.2
58	75.2	59.5	89.3

Instrument :
MSVOA_X
ClientSampleId :
VX0919WBS01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 09/22/2025
Supervised By :Mahesh Dadoda 09/22/2025

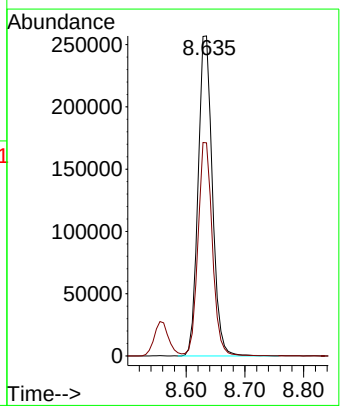


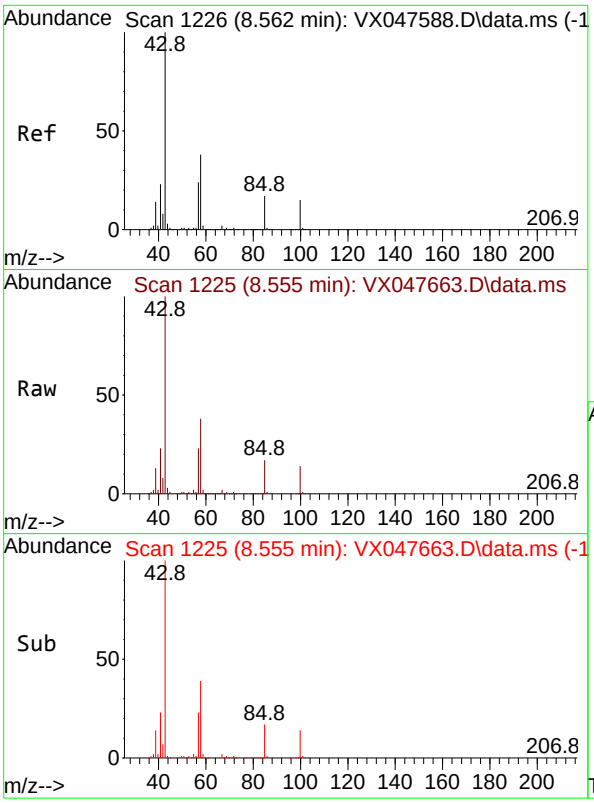


#50
Toluene-d8
Concen: 55.436 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX047663.D
Acq: 19 Sep 2025 10:38

Tgt Ion: 98 Resp: 434063

Ion	Ratio	Lower	Upper
98	100		
100	67.1	53.0	79.4

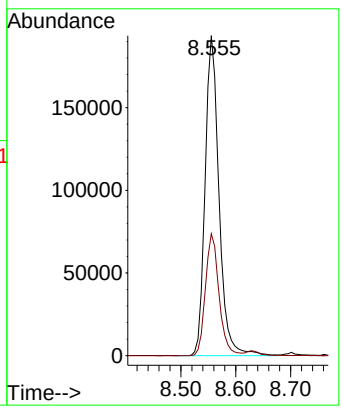




#51
4-Methyl-2-Pentanone
Concen: 105.728 ug/l
RT: 8.555 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047663.D
Acq: 19 Sep 2025 10:38

Tgt Ion: 43 Resp: 34037

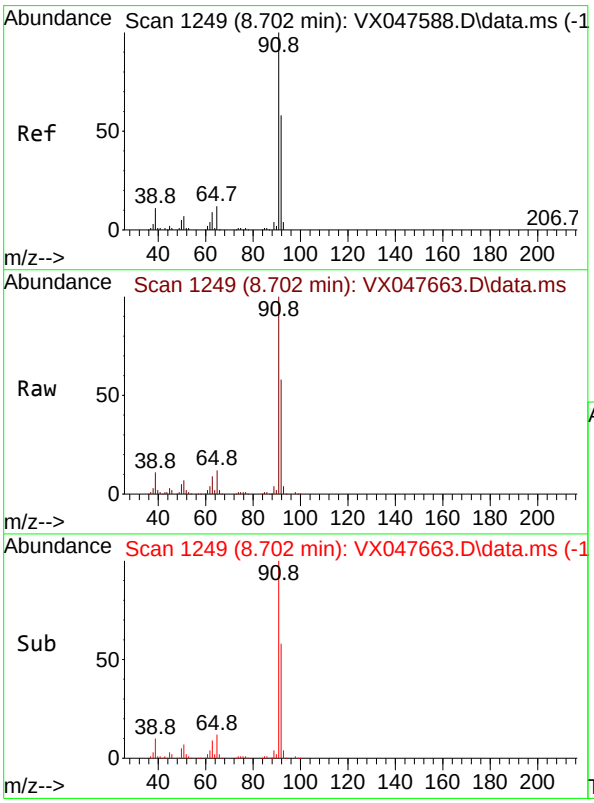
Ion	Ratio	Lower	Upper
43	100		
58	37.3	30.3	45.5



Instrument :
MSVOA_X
ClientSampleId :
VX0919WBS01

Manual Integrations
APPROVED

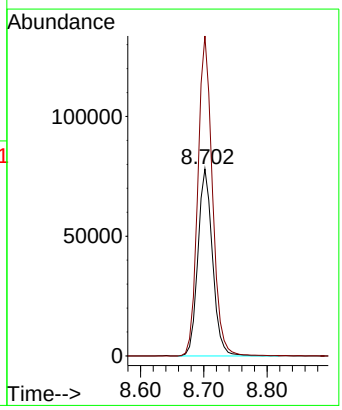
Reviewed By :Semsettin Yesilyurt 09/22/2025
Supervised By :Mahesh Dadoda 09/22/2025

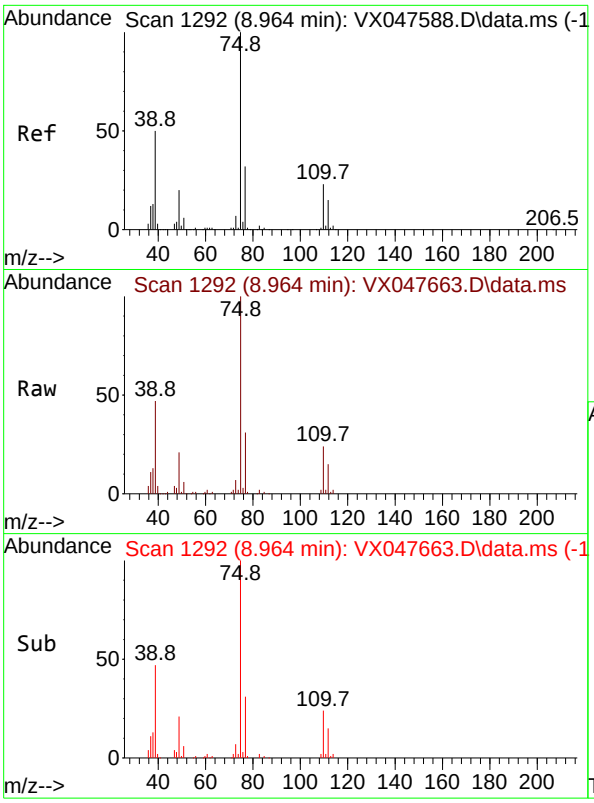


#52
Toluene
Concen: 20.286 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX047663.D
Acq: 19 Sep 2025 10:38

Tgt Ion: 92 Resp: 125521

Ion	Ratio	Lower	Upper
92	100		
91	170.8	137.1	205.7

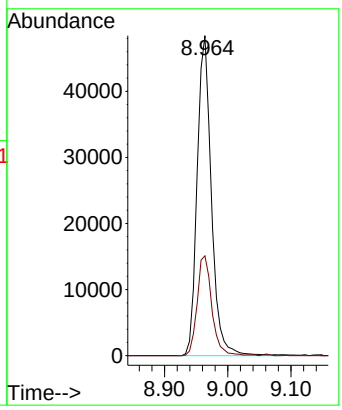




#53
t-1,3-Dichloropropene
Concen: 19.294 ug/l
RT: 8.964 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047663.D
Acq: 19 Sep 2025 10:38

Tgt Ion: 75 Resp: 7599

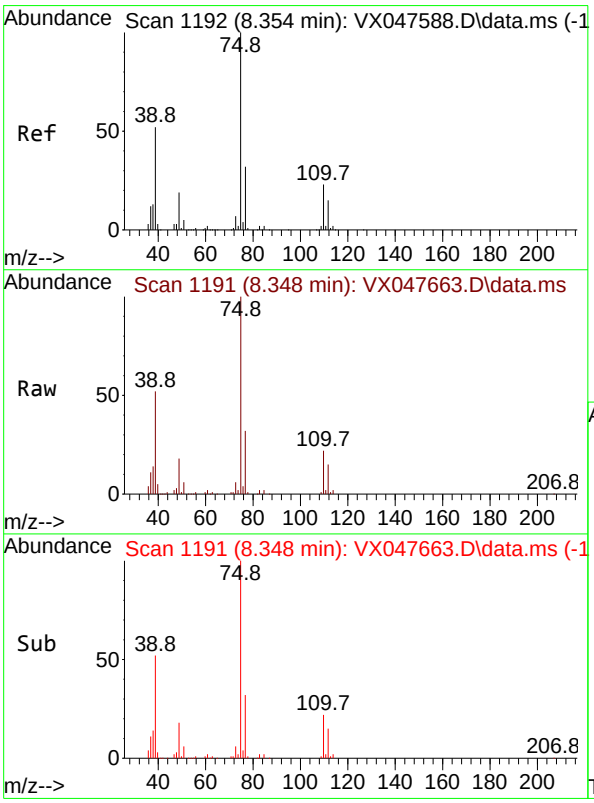
Ion	Ratio	Lower	Upper
75	100		
77	31.2	25.4	38.2



Instrument :
MSVOA_X
ClientSampleId :
VX0919WBS01

Manual Integrations
APPROVED

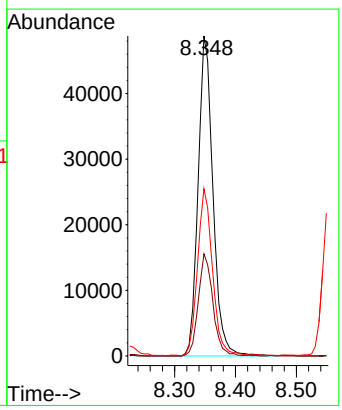
Reviewed By :Semsettin Yesilyurt 09/22/2025
Supervised By :Mahesh Dadoda 09/22/2025

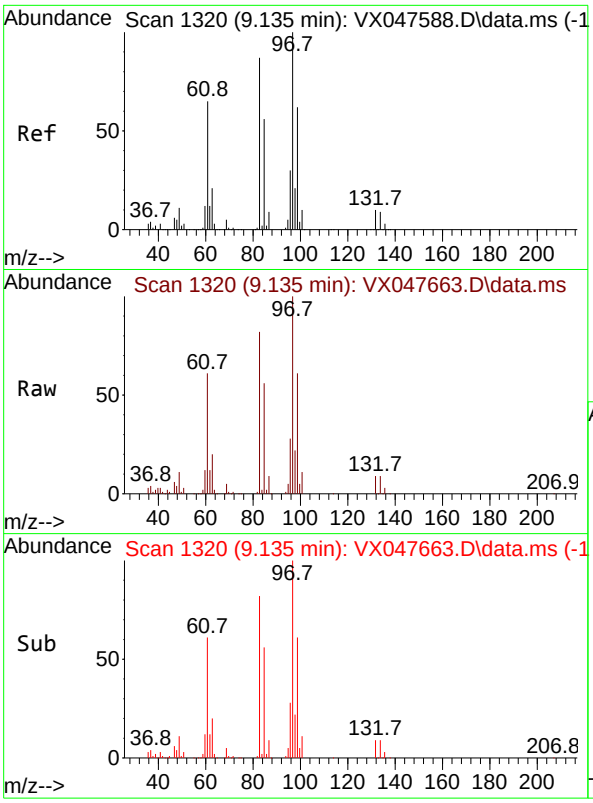


#54
cis-1,3-Dichloropropene
Concen: 19.649 ug/l
RT: 8.348 min Scan# 1191
Delta R.T. -0.006 min
Lab File: VX047663.D
Acq: 19 Sep 2025 10:38

Tgt Ion: 75 Resp: 82725

Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.8	38.6
39	52.1	41.4	62.2

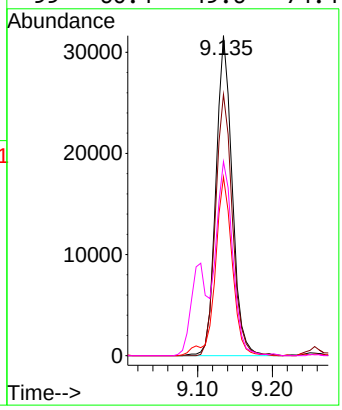




#55
1,1,2-Trichloroethane
Concen: 20.021 ug/l
RT: 9.135 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047663.D
Acq: 19 Sep 2025 10:38

Tgt Ion: 97 Resp: 4776

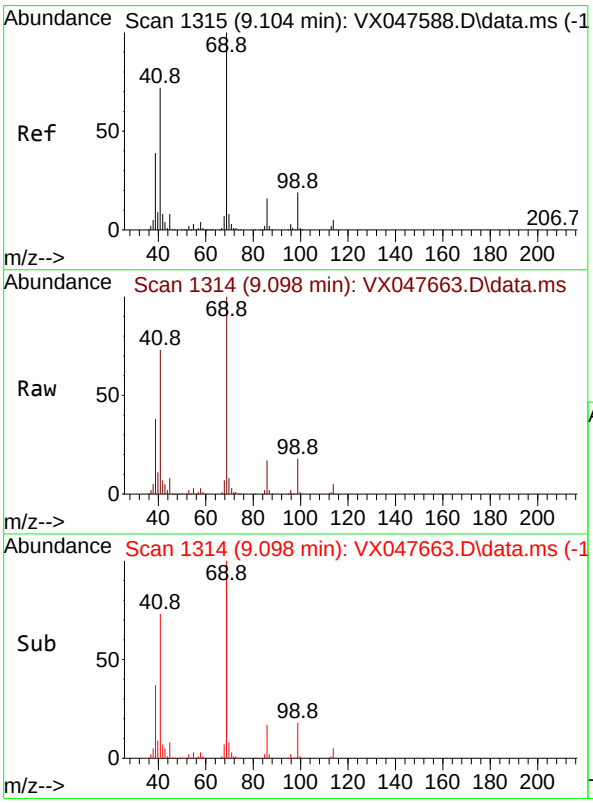
Ion	Ratio	Lower	Upper
97	100		
83	81.6	69.6	104.4
85	55.8	45.0	67.6
99	60.4	49.6	74.4



Instrument :
MSVOA_X
ClientSampleId :
VX0919WBS01

Manual Integrations
APPROVED

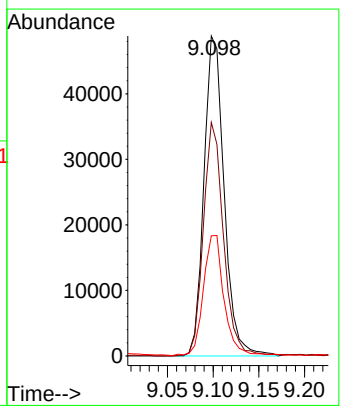
Reviewed By :Semsettin Yesilyurt 09/22/2025
Supervised By :Mahesh Dadoda 09/22/2025

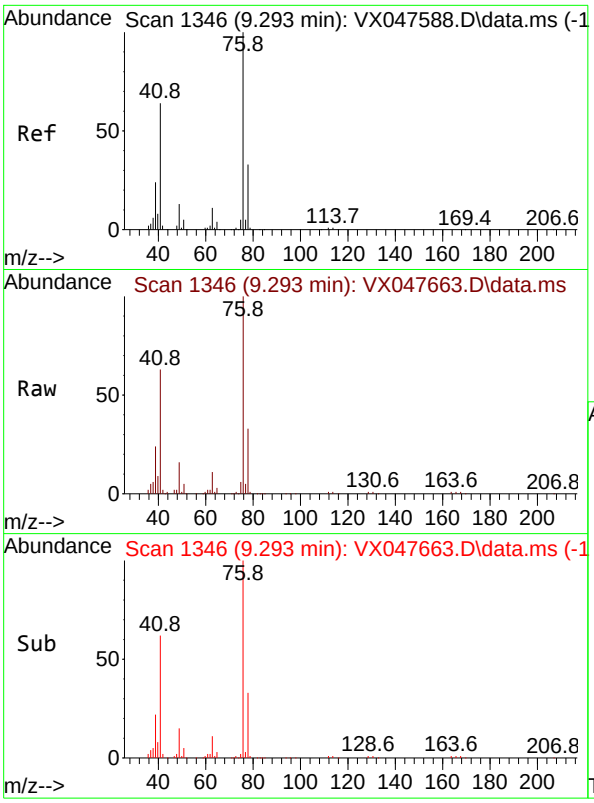


#56
Ethyl methacrylate
Concen: 19.988 ug/l
RT: 9.098 min Scan# 1314
Delta R.T. -0.006 min
Lab File: VX047663.D
Acq: 19 Sep 2025 10:38

Tgt Ion: 69 Resp: 74891

Ion	Ratio	Lower	Upper
69	100		
41	73.1	58.6	87.8
39	38.6	31.5	47.3





#57
1,3-Dichloropropane
Concen: 20.427 ug/l
RT: 9.293 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047663.D
Acq: 19 Sep 2025 10:38

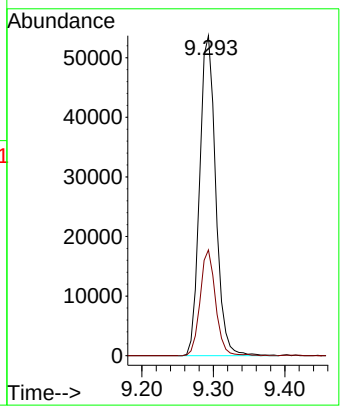
Tgt Ion: 76 Resp: 8372

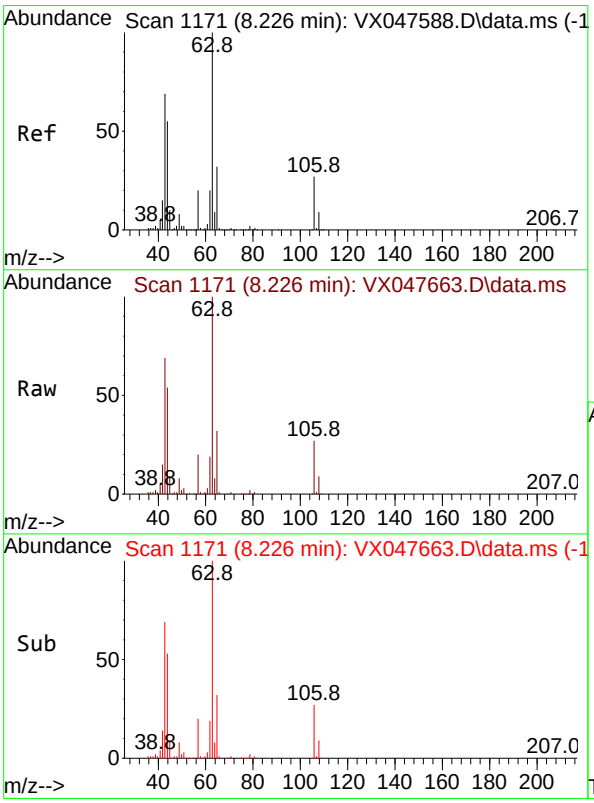
Ion	Ratio	Lower	Upper
76	100		
78	31.7	26.2	39.4

Instrument :
MSVOA_X
ClientSampleId :
VX0919WBS01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 09/22/2025
Supervised By :Mahesh Dadoda 09/22/2025

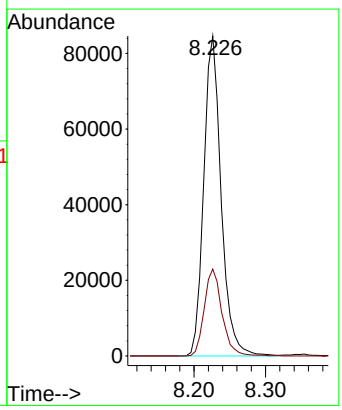


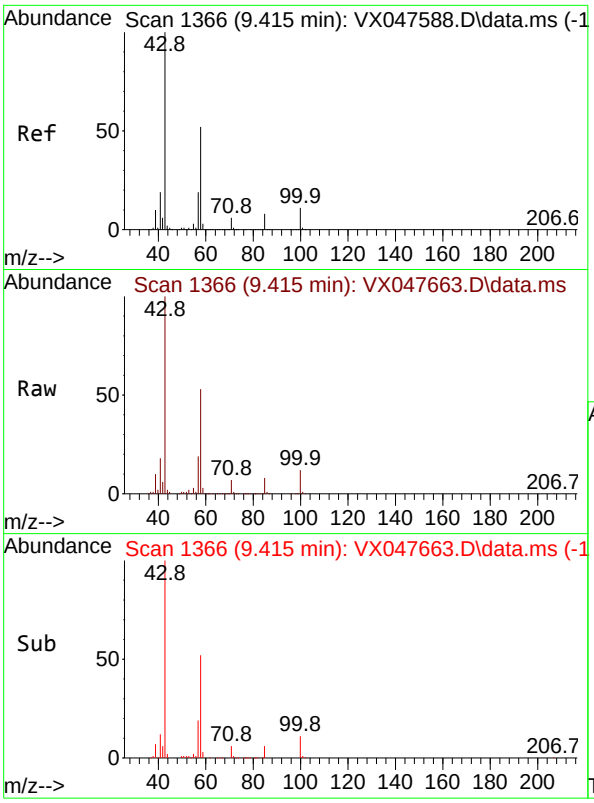


#58
2-Chloroethyl Vinyl ether
Concen: 87.280 ug/l
RT: 8.226 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VX047663.D
Acq: 19 Sep 2025 10:38

Tgt Ion: 63 Resp: 143078

Ion	Ratio	Lower	Upper
63	100		
106	27.6	21.9	32.9

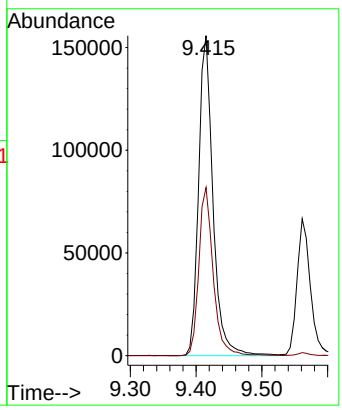




#59
2-Hexanone
Concen: 102.353 ug/l
RT: 9.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047663.D
Acq: 19 Sep 2025 10:38

Tgt Ion: 43 Resp: 23665

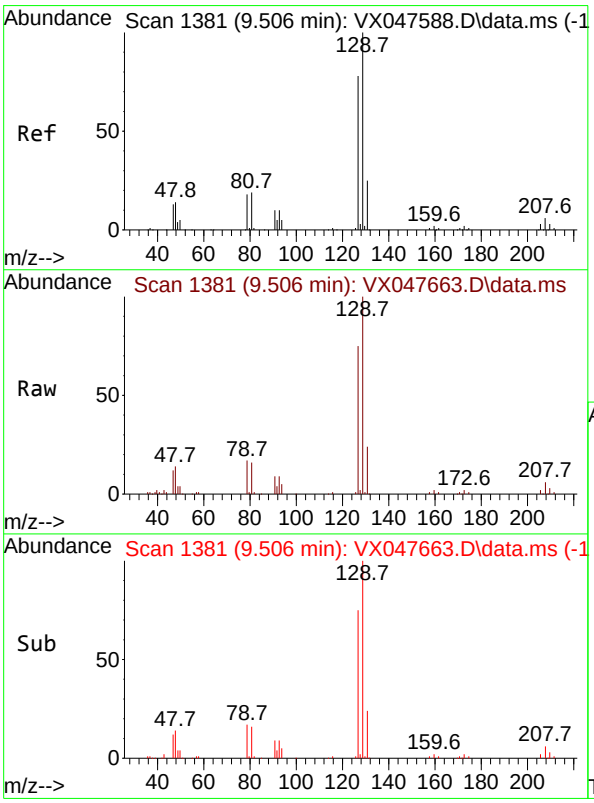
Ion	Ratio	Lower	Upper
43	100		
58	52.5	26.1	78.2



Instrument :
MSVOA_X
ClientSampleId :
VX0919WBS01

Manual Integrations
APPROVED

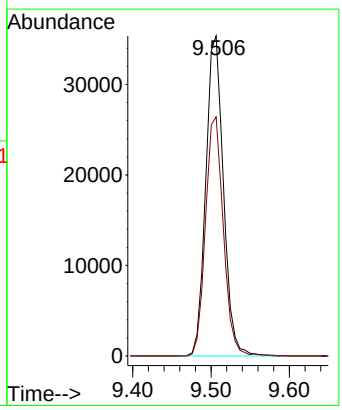
Reviewed By :Semsettin Yesilyurt 09/22/2025
Supervised By :Mahesh Dadoda 09/22/2025

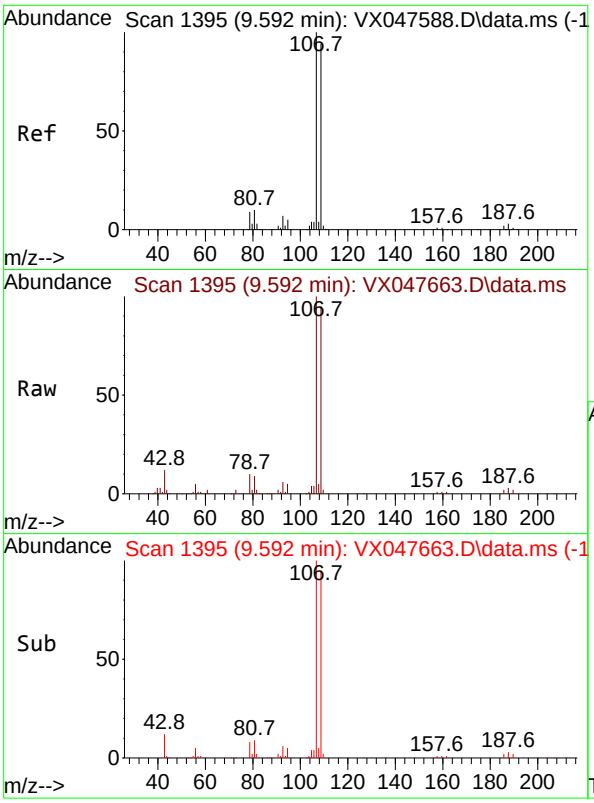


#60
Dibromochloromethane
Concen: 20.047 ug/l
RT: 9.506 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VX047663.D
Acq: 19 Sep 2025 10:38

Tgt Ion:129 Resp: 55109

Ion	Ratio	Lower	Upper
129	100		
127	76.0	38.4	115.2

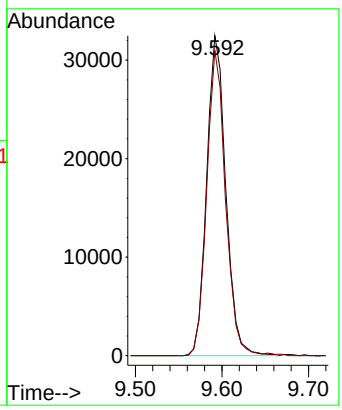




#61
1,2-Dibromoethane
Concen: 20.516 ug/l
RT: 9.592 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047663.D
Acq: 19 Sep 2025 10:38

Tgt Ion:107 Resp: 4985

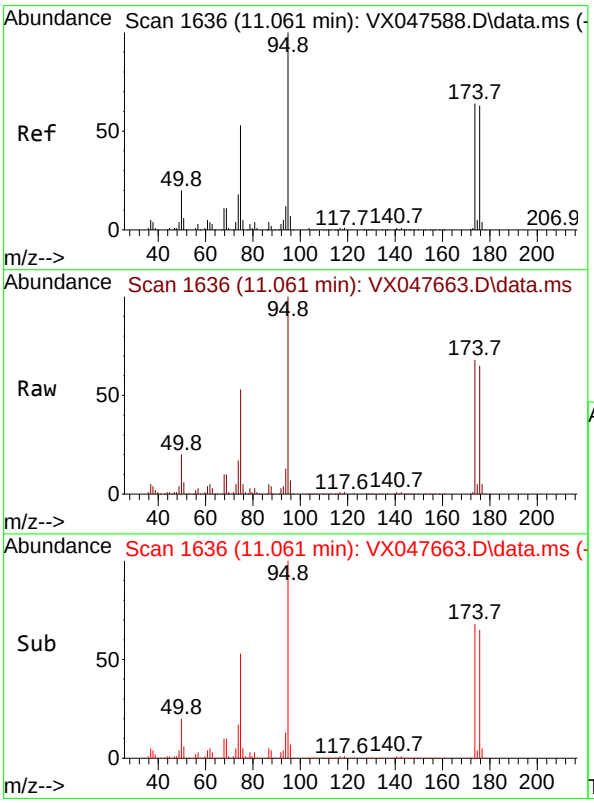
Ion	Ratio	Lower	Upper
107	100		
109	93.9	75.3	112.9



Instrument :
MSVOA_X
ClientSampleId :
VX0919WBS01

Manual Integrations
APPROVED

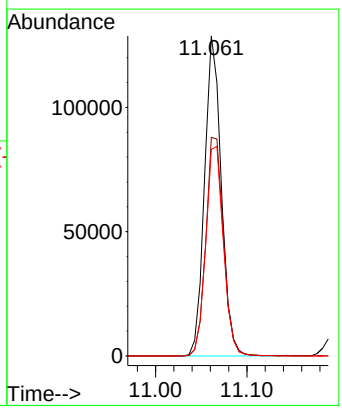
Reviewed By :Semsettin Yesilyurt 09/22/2025
Supervised By :Mahesh Dadoda 09/22/2025

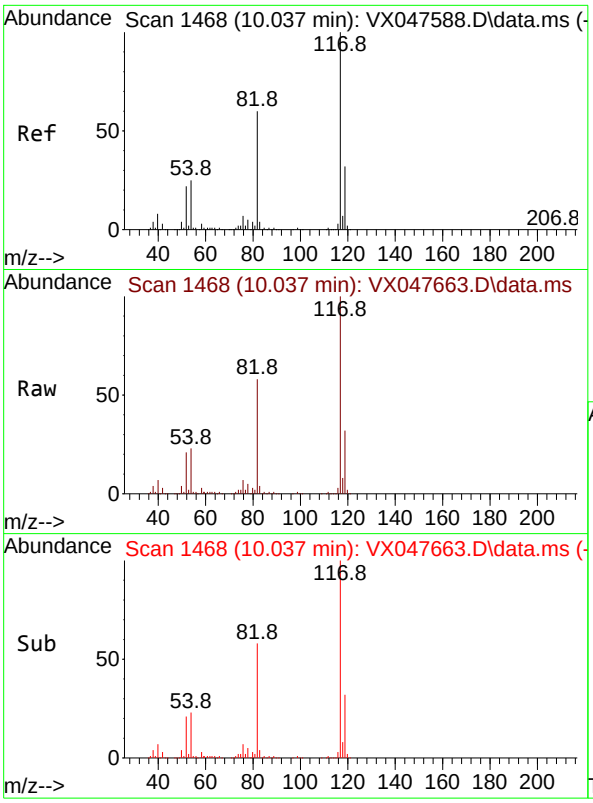


#62
4-Bromofluorobenzene
Concen: 55.000 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX047663.D
Acq: 19 Sep 2025 10:38

Tgt Ion: 95 Resp: 163439

Ion	Ratio	Lower	Upper
95	100		
174	72.1	0.0	141.6
176	69.2	0.0	138.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047663.D
Acq: 19 Sep 2025 10:38

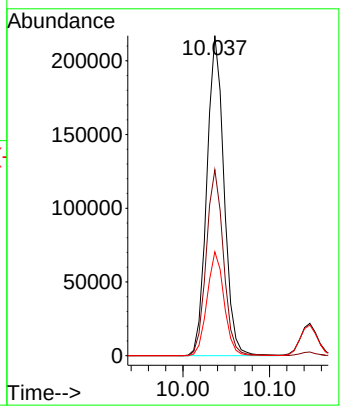
Tgt Ion:117 Resp: 29857

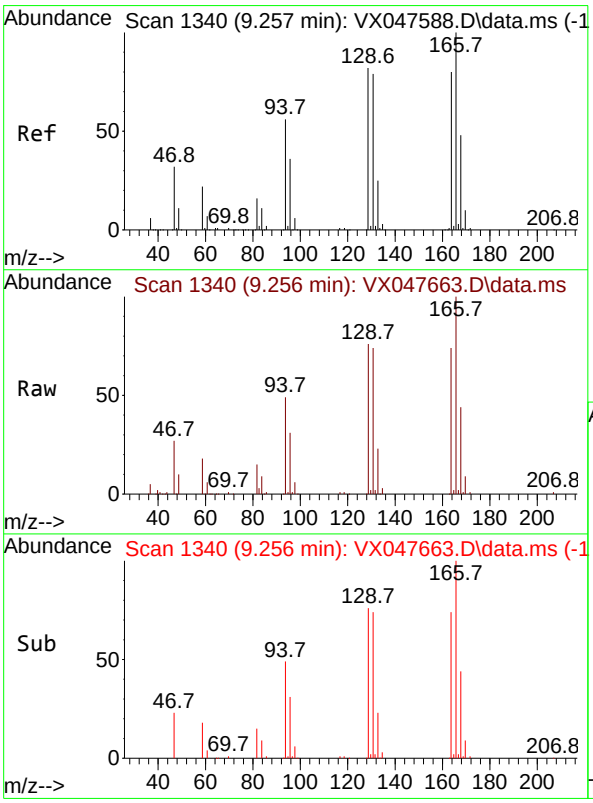
Ion	Ratio	Lower	Upper
117	100		
82	58.1	47.8	71.6
119	32.5	25.2	37.8

Instrument :
MSVOA_X
ClientSampleId :
VX0919WBS01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 09/22/2025
Supervised By :Mahesh Dadoda 09/22/2025

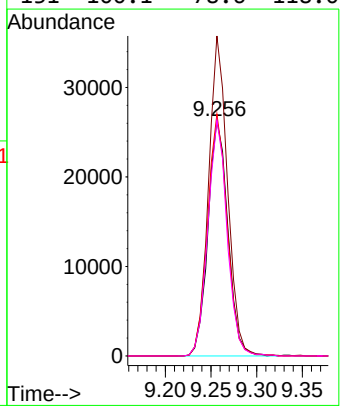


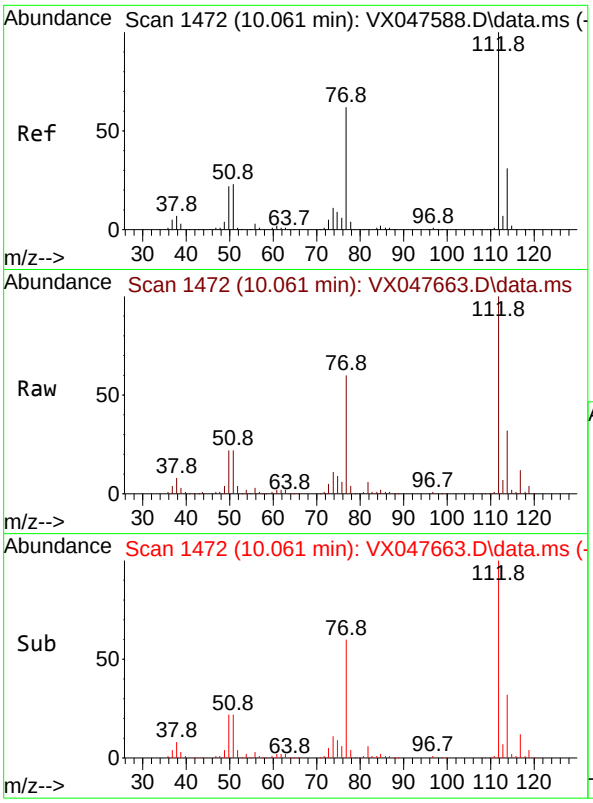


#64
Tetrachloroethene
Concen: 20.395 ug/l
RT: 9.256 min Scan# 1340
Delta R.T. -0.000 min
Lab File: VX047663.D
Acq: 19 Sep 2025 10:38

Tgt Ion:164 Resp: 39697

Ion	Ratio	Lower	Upper
164	100		
166	135.9	100.2	150.2
129	102.8	81.8	122.6
131	100.1	78.6	118.0

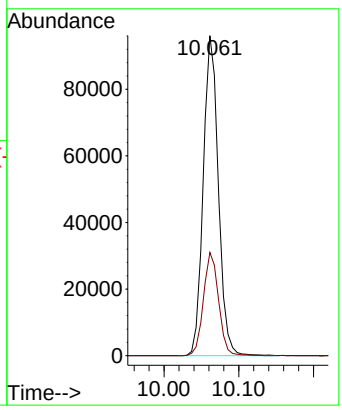




#65
Chlorobenzene
Concen: 19.879 ug/l
RT: 10.061 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047663.D
Acq: 19 Sep 2025 10:38

Tgt Ion:112 Resp: 13484

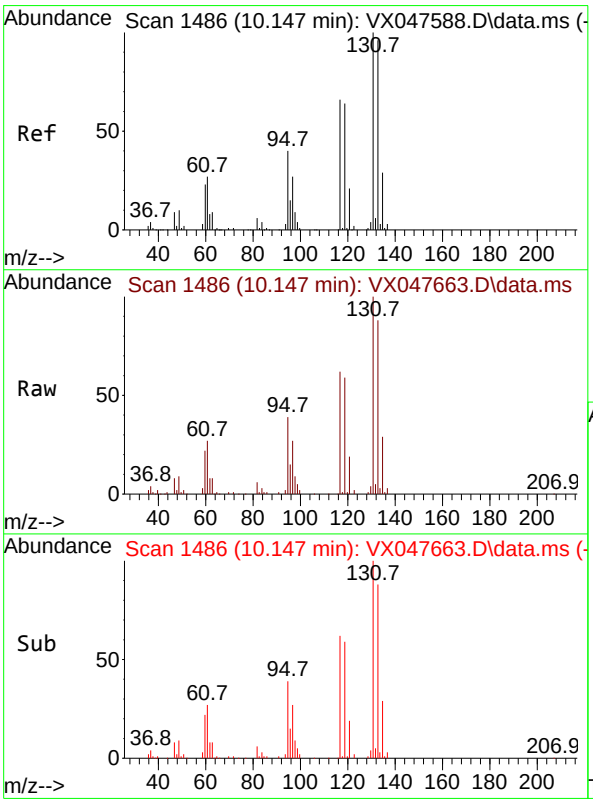
Ion	Ratio	Lower	Upper
112	100		
114	32.2	25.1	37.7



Instrument :
MSVOA_X
ClientSampleId :
VX0919WBS01

Manual Integrations
APPROVED

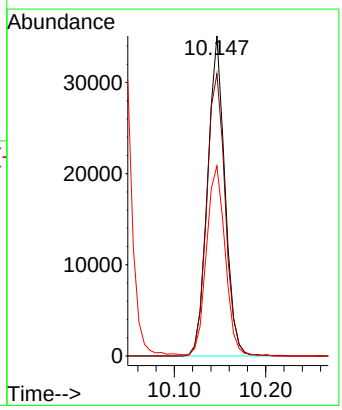
Reviewed By :Semsettin Yesilyurt 09/22/2025
Supervised By :Mahesh Dadoda 09/22/2025

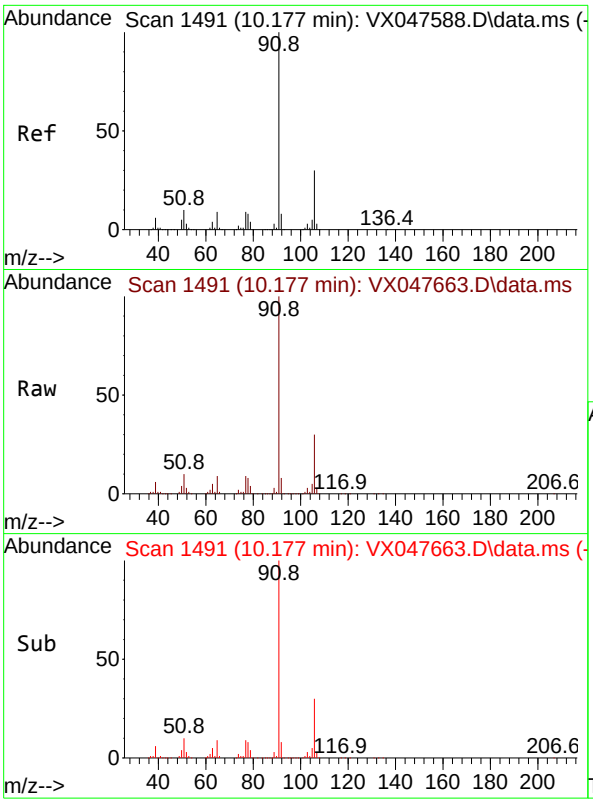


#66
1,1,1,2-Tetrachloroethane
Concen: 19.758 ug/l
RT: 10.147 min Scan# 1486
Delta R.T. -0.000 min
Lab File: VX047663.D
Acq: 19 Sep 2025 10:38

Tgt Ion:131 Resp: 46247

Ion	Ratio	Lower	Upper
131	100		
133	94.1	47.3	142.0
119	64.0	32.0	96.0

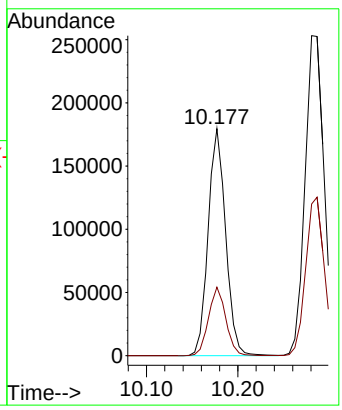




#67
Ethyl Benzene
Concen: 20.374 ug/l
RT: 10.177 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047663.D
Acq: 19 Sep 2025 10:38

Tgt Ion: 91 Resp: 23845

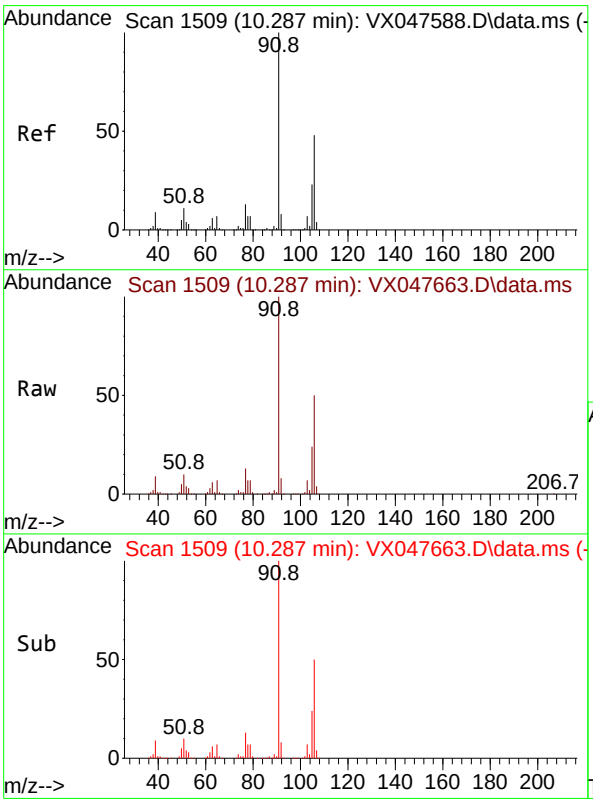
Ion	Ratio	Lower	Upper
91	100		
106	30.2	24.3	36.5



Instrument :
MSVOA_X
ClientSampleId :
VX0919WBS01

Manual Integrations
APPROVED

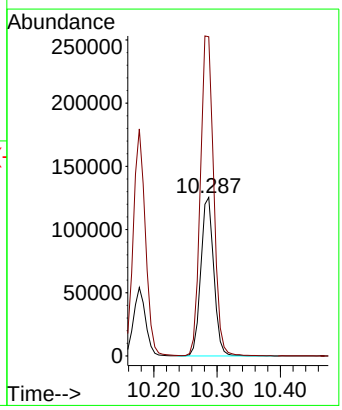
Reviewed By :Semsettin Yesilyurt 09/22/2025
Supervised By :Mahesh Dadoda 09/22/2025

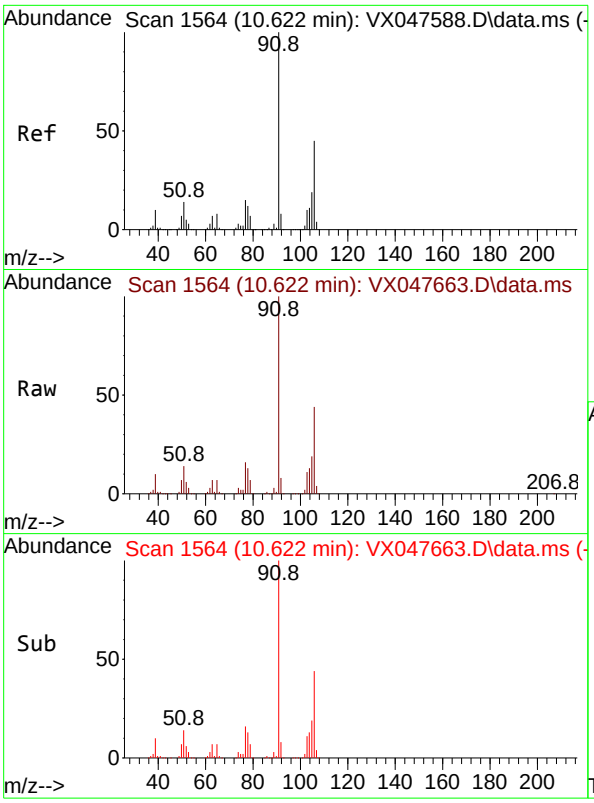


#68
m/p-Xylenes
Concen: 41.206 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VX047663.D
Acq: 19 Sep 2025 10:38

Tgt Ion:106 Resp: 179504

Ion	Ratio	Lower	Upper
106	100		
91	206.9	167.8	251.8

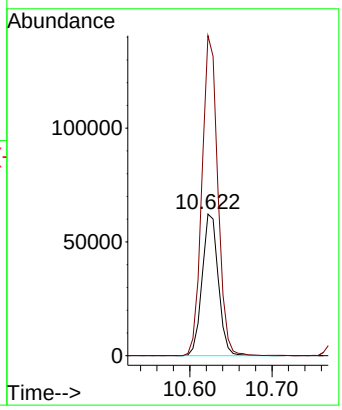




#69
o-Xylene
Concen: 20.146 ug/l
RT: 10.622 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047663.D
Acq: 19 Sep 2025 10:38

Tgt Ion:106 Resp: 8488

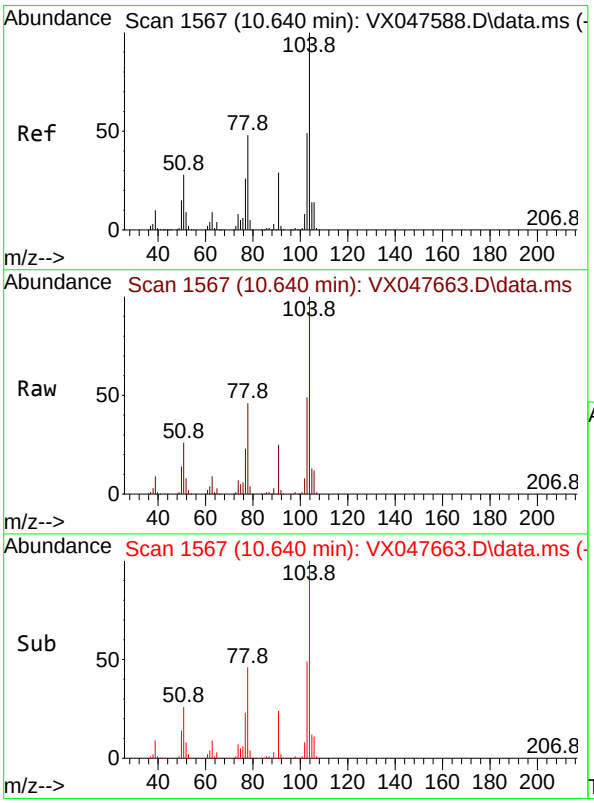
Ion	Ratio	Lower	Upper
106	100		
91	222.0	111.1	333.4



Instrument :
MSVOA_X
ClientSampleId :
VX0919WBS01

Manual Integrations
APPROVED

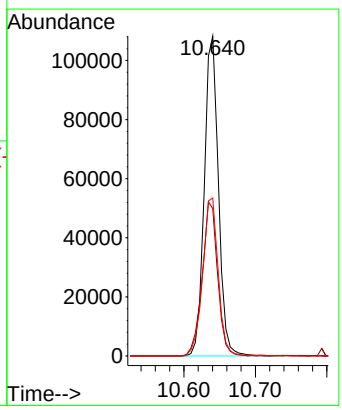
Reviewed By :Semsettin Yesilyurt 09/22/2025
Supervised By :Mahesh Dadoda 09/22/2025

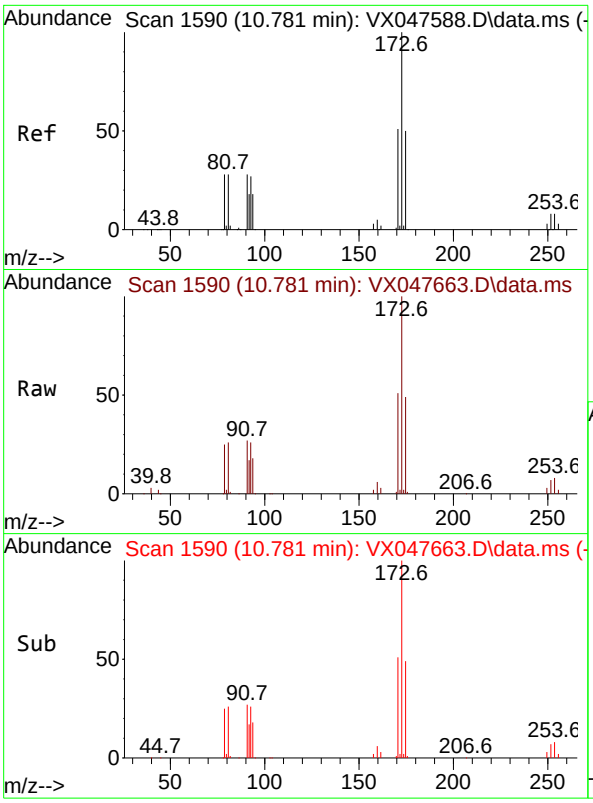


#70
Styrene
Concen: 20.153 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX047663.D
Acq: 19 Sep 2025 10:38

Tgt Ion:104 Resp: 148789

Ion	Ratio	Lower	Upper
104	100		
78	52.5	43.1	64.7
103	54.3	43.1	64.7

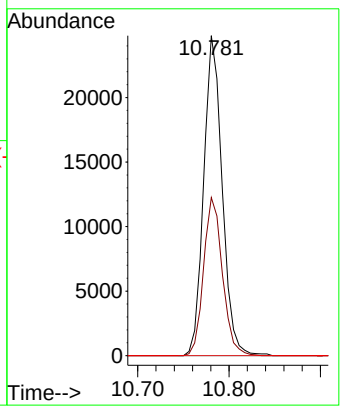




#71
Bromoform
Concen: 19.876 ug/l
RT: 10.781 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047663.D
Acq: 19 Sep 2025 10:38

Tgt Ion:173 Resp: 3473

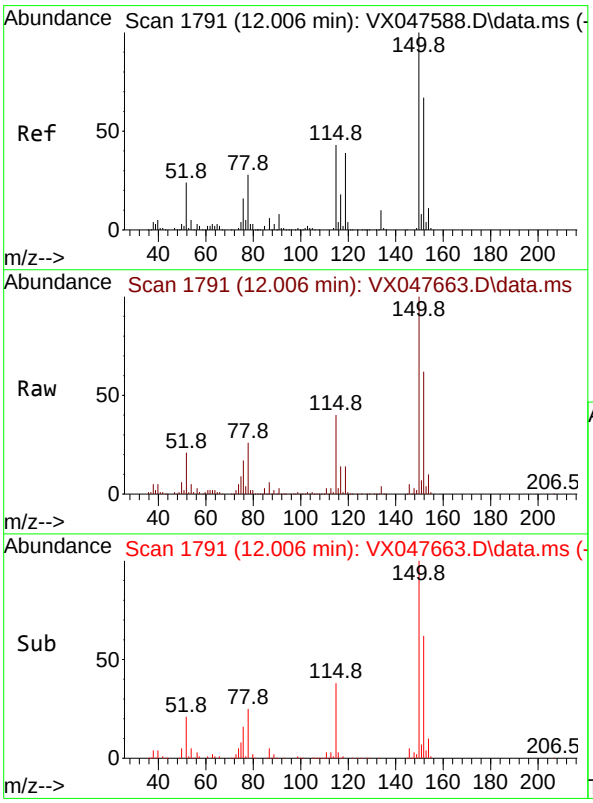
Ion	Ratio	Lower	Upper
173	100		
175	50.3	24.9	74.6
254	0.0	0.1	0.1



Instrument :
MSVOA_X
ClientSampleId :
VX0919WBS01

Manual Integrations
APPROVED

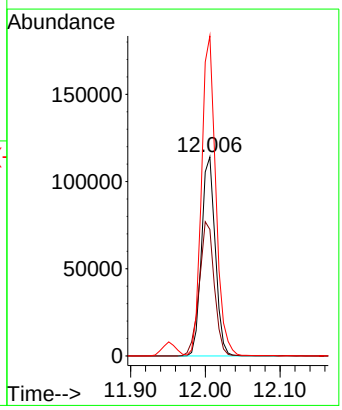
Reviewed By :Semsettin Yesilyurt 09/22/2025
Supervised By :Mahesh Dadoda 09/22/2025

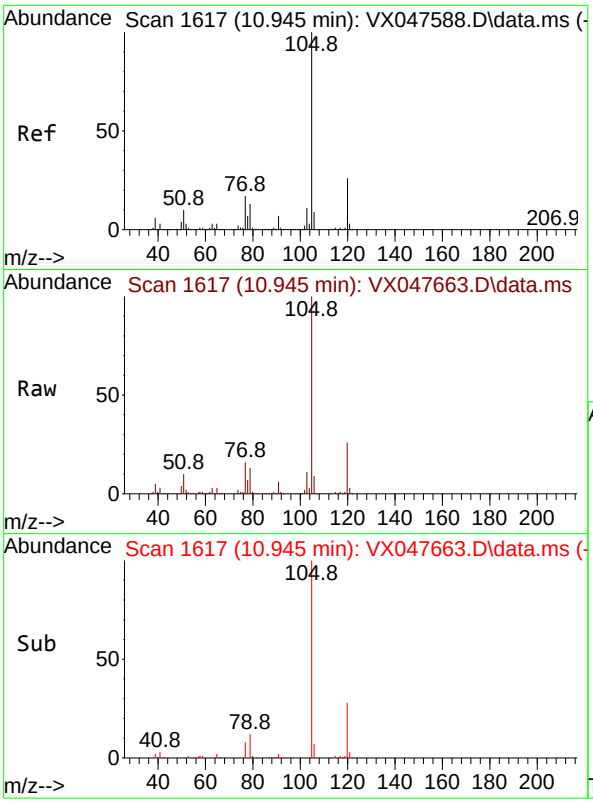


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047663.D
Acq: 19 Sep 2025 10:38

Tgt Ion:152 Resp: 146041

Ion	Ratio	Lower	Upper
152	100		
115	73.4	44.9	134.5
150	166.7	0.0	352.0

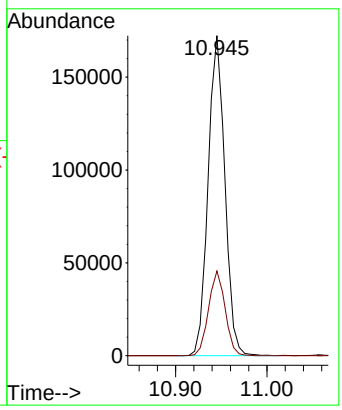




#73
Isopropylbenzene
Concen: 19.692 ug/l
RT: 10.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047663.D
Acq: 19 Sep 2025 10:38

Tgt Ion:105 Resp: 21863

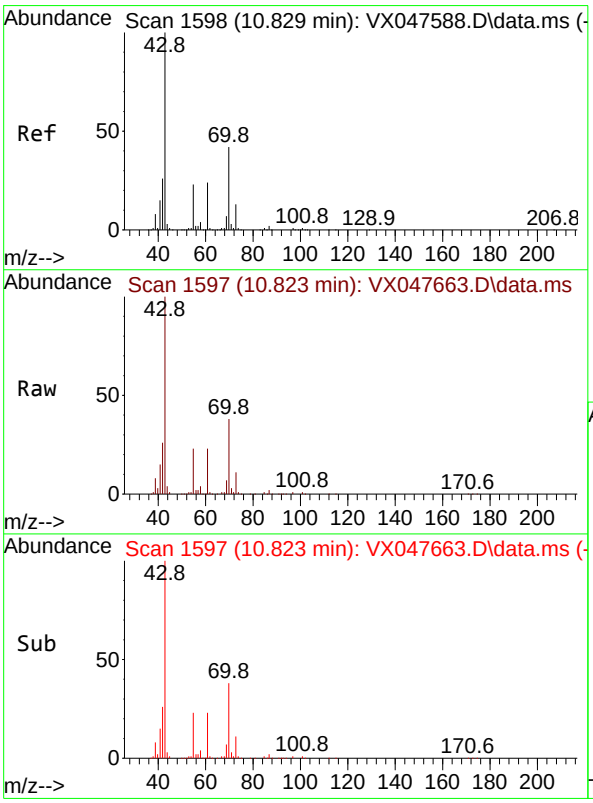
Ion	Ratio	Lower	Upper
105	100		
120	26.2	12.8	38.4



Instrument :
MSVOA_X
ClientSampleId :
VX0919WBS01

Manual Integrations
APPROVED

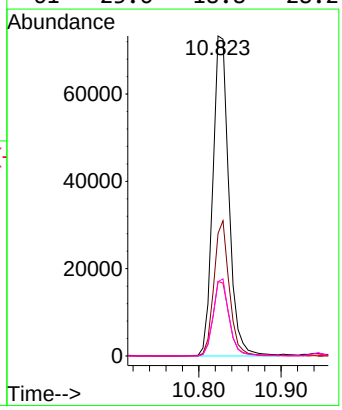
Reviewed By :Semsettin Yesilyurt 09/22/2025
Supervised By :Mahesh Dadoda 09/22/2025

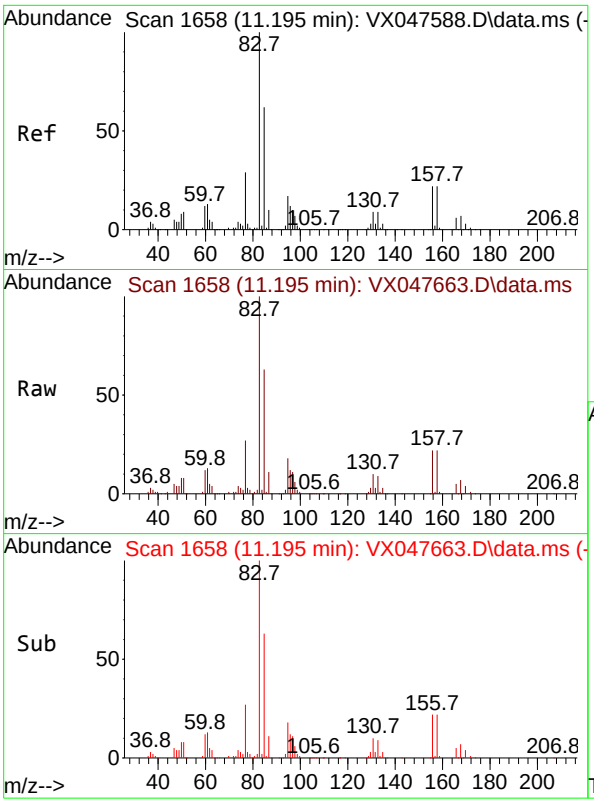


#74
N-amyl acetate
Concen: 19.678 ug/l
RT: 10.823 min Scan# 1597
Delta R.T. -0.006 min
Lab File: VX047663.D
Acq: 19 Sep 2025 10:38

Tgt Ion: 43 Resp: 99633

Ion	Ratio	Lower	Upper
43	100		
70	40.5	32.0	48.0
55	23.8	18.9	28.3
61	23.6	18.8	28.2

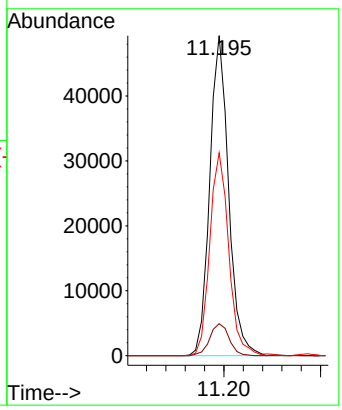




#75
1,1,2,2-Tetrachloroethane
Concen: 19.852 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047663.D
Acq: 19 Sep 2025 10:38

Tgt Ion: 83 Resp: 6668

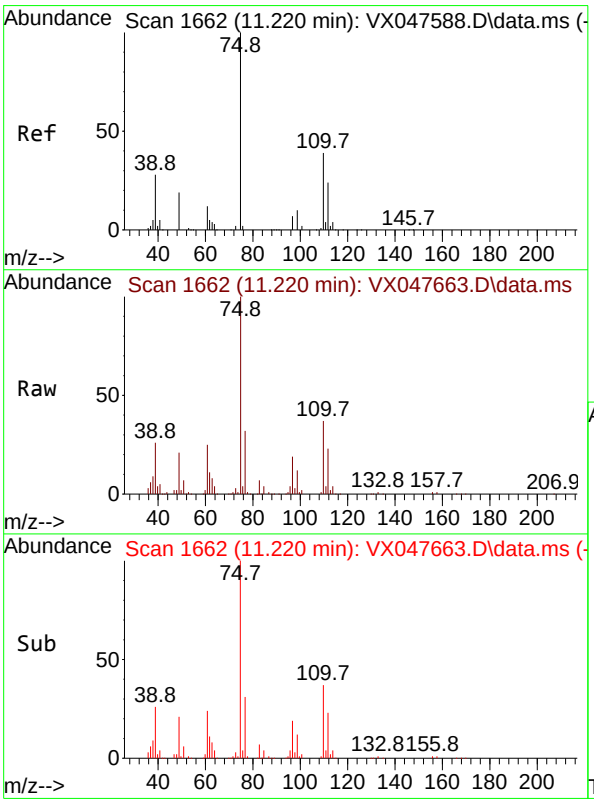
Ion	Ratio	Lower	Upper
83	100		
131	10.3	5.0	14.9
85	63.9	31.6	95.0



Instrument :
MSVOA_X
ClientSampleId :
VX0919WBS01

Manual Integrations
APPROVED

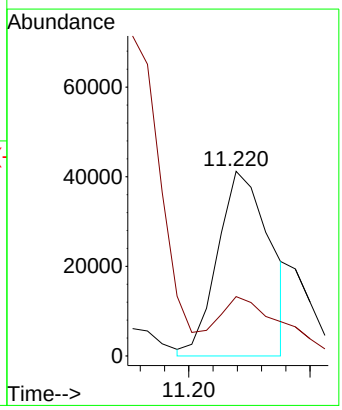
Reviewed By :Semsettin Yesilyurt 09/22/2025
Supervised By :Mahesh Dadoda 09/22/2025

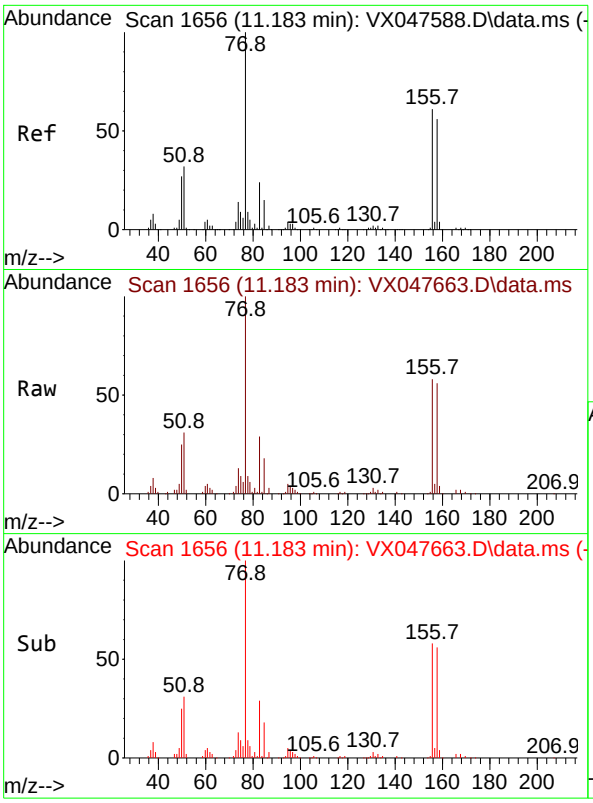


#76
1,2,3-Trichloropropane
Concen: 20.818 ug/l m
RT: 11.220 min Scan# 1662
Delta R.T. -0.000 min
Lab File: VX047663.D
Acq: 19 Sep 2025 10:38

Tgt Ion: 75 Resp: 61556

Ion	Ratio	Lower	Upper
75	100		
77	37.5	18.8	56.4

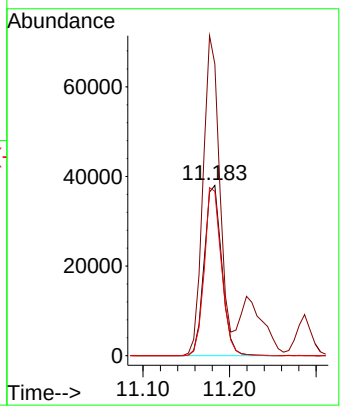




#77
Bromobenzene
Concen: 19.571 ug/l
RT: 11.183 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047663.D
Acq: 19 Sep 2025 10:38

Tgt Ion:156 Resp: 5351

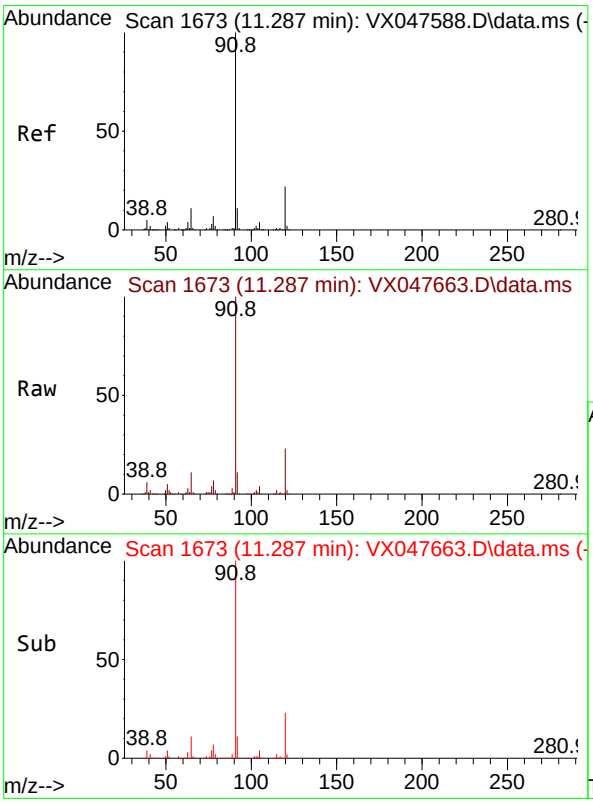
Ion	Ratio	Lower	Upper
156	100		
77	177.7	89.7	269.1
158	96.3	47.9	143.6



Instrument :
MSVOA_X
ClientSampleId :
VX0919WBS01

Manual Integrations
APPROVED

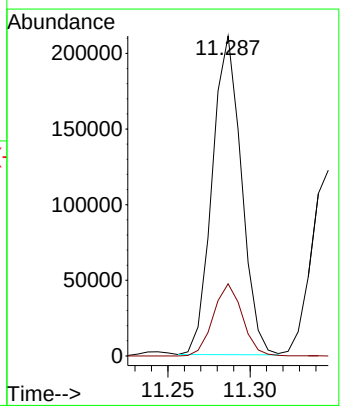
Reviewed By :Semsettin Yesilyurt 09/22/2025
Supervised By :Mahesh Dadoda 09/22/2025

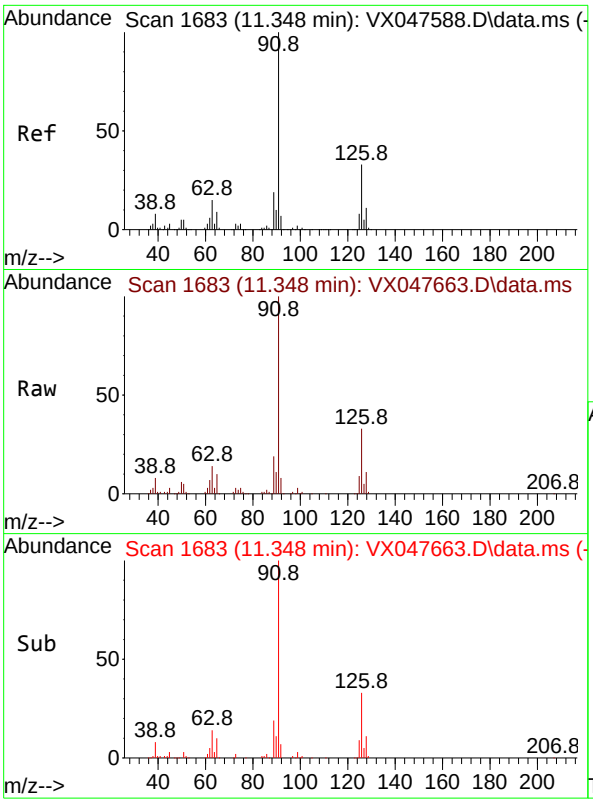


#78
n-propylbenzene
Concen: 19.847 ug/l
RT: 11.287 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX047663.D
Acq: 19 Sep 2025 10:38

Tgt Ion: 91 Resp: 260496

Ion	Ratio	Lower	Upper
91	100		
120	22.5	11.1	33.1

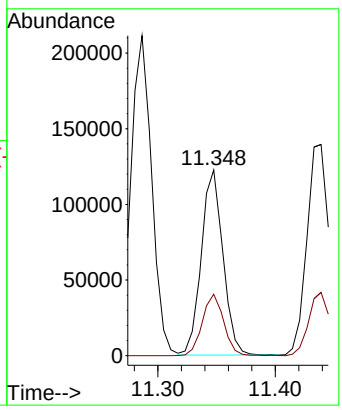




#79
2-Chlorotoluene
Concen: 19.476 ug/l
RT: 11.348 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047663.D
Acq: 19 Sep 2025 10:38

Tgt Ion: 91 Resp: 15656

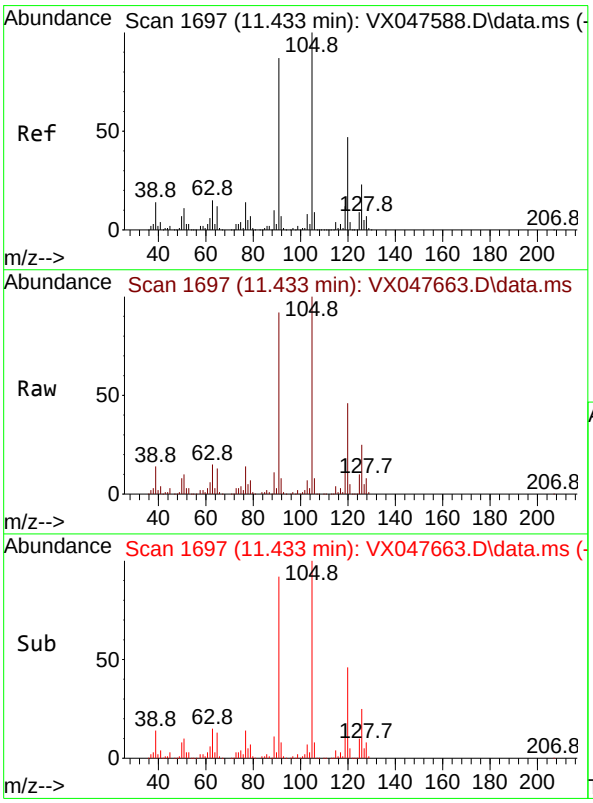
Ion	Ratio	Lower	Upper
91	100		
126	32.9	16.1	48.3



Instrument :
MSVOA_X
ClientSampleId :
VX0919WBS01

Manual Integrations
APPROVED

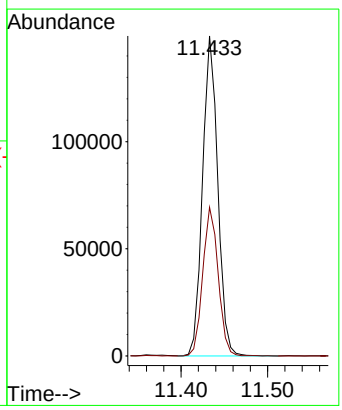
Reviewed By :Semsettin Yesilyurt 09/22/2025
Supervised By :Mahesh Dadoda 09/22/2025

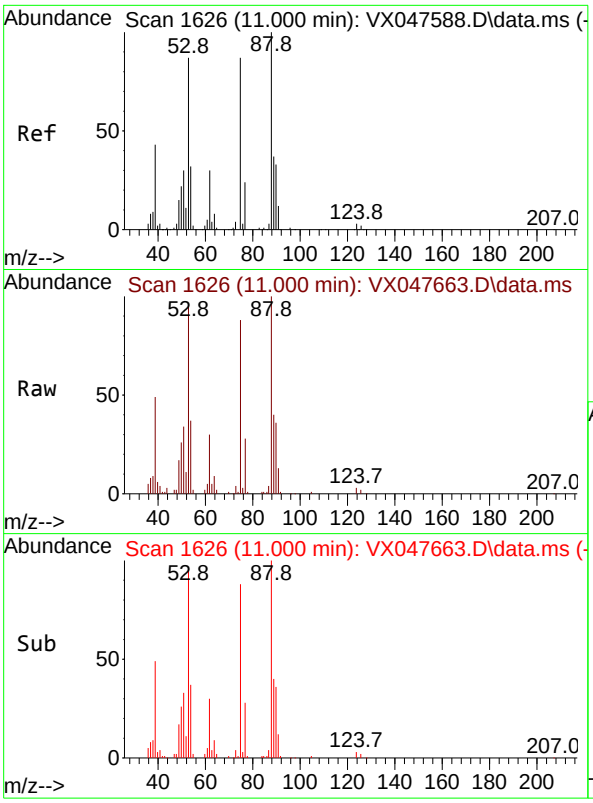


#80
1,3,5-Trimethylbenzene
Concen: 19.931 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX047663.D
Acq: 19 Sep 2025 10:38

Tgt Ion:105 Resp: 181815

Ion	Ratio	Lower	Upper
105	100		
120	47.2	23.6	70.8

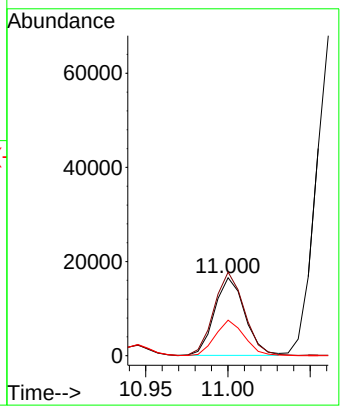




#81
trans-1,4-Dichloro-2-butene
Concen: 18.252 ug/l
RT: 11.000 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047663.D
Acq: 19 Sep 2025 10:38

Tgt Ion: 75 Resp: 2116

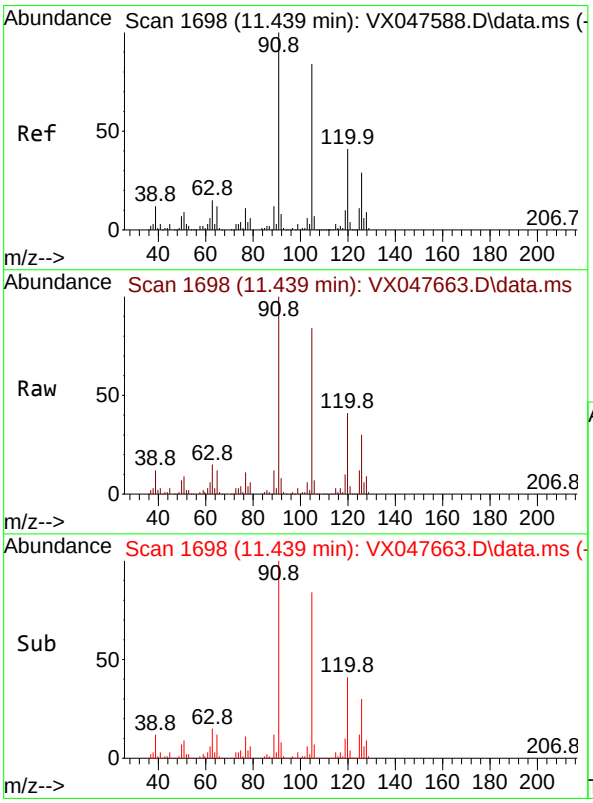
Ion	Ratio	Lower	Upper
75	100		
53	108.0	83.4	125.2
89	44.1	36.3	54.5



Instrument :
MSVOA_X
ClientSampleId :
VX0919WBS01

Manual Integrations
APPROVED

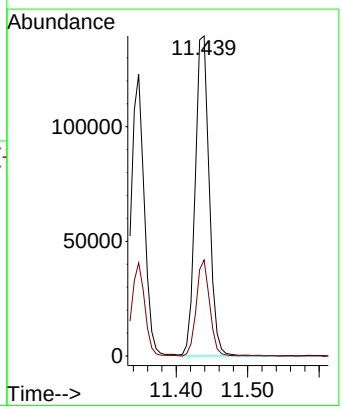
Reviewed By :Semsettin Yesilyurt 09/22/2025
Supervised By :Mahesh Dadoda 09/22/2025

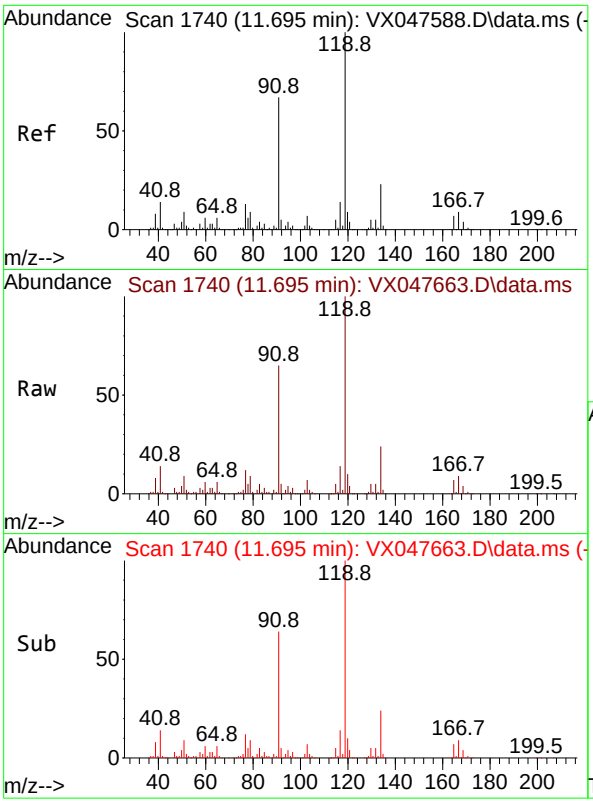


#82
4-Chlorotoluene
Concen: 19.954 ug/l
RT: 11.439 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VX047663.D
Acq: 19 Sep 2025 10:38

Tgt Ion: 91 Resp: 189446

Ion	Ratio	Lower	Upper
91	100		
126	28.4	14.2	42.6

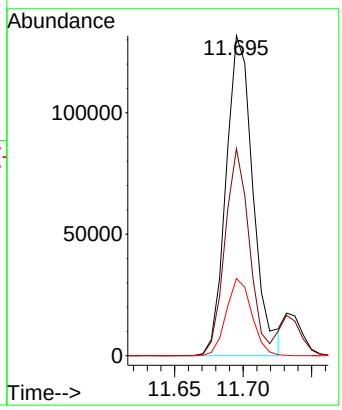




#83
tert-Butylbenzene
Concen: 19.298 ug/l
RT: 11.695 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047663.D
Acq: 19 Sep 2025 10:38

Tgt Ion:119 Resp: 18020

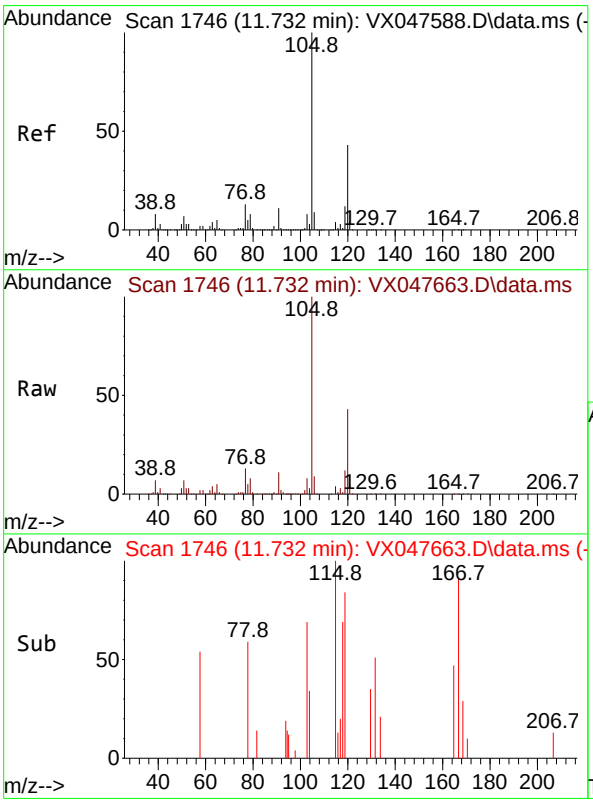
Ion	Ratio	Lower	Upper
119	100		
91	58.7	29.6	88.8
134	22.7	11.0	33.0



Instrument :
MSVOA_X
ClientSampleId :
VX0919WBS01

Manual Integrations
APPROVED

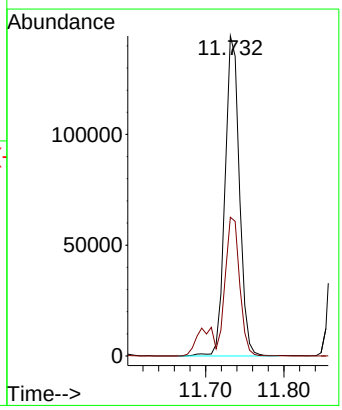
Reviewed By :Semsettin Yesilyurt 09/22/2025
Supervised By :Mahesh Dadoda 09/22/2025

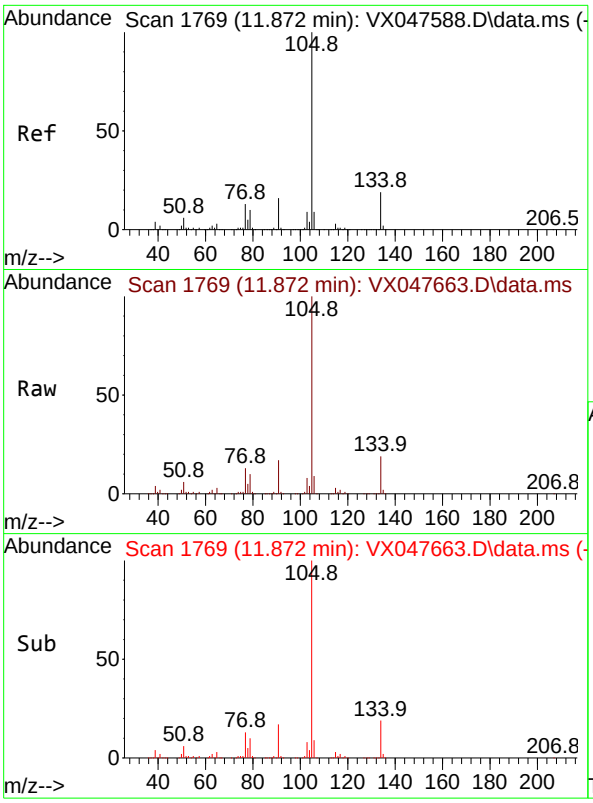


#84
1,2,4-Trimethylbenzene
Concen: 19.979 ug/l
RT: 11.732 min Scan# 1746
Delta R.T. -0.000 min
Lab File: VX047663.D
Acq: 19 Sep 2025 10:38

Tgt Ion:105 Resp: 184775

Ion	Ratio	Lower	Upper
105	100		
120	43.4	22.1	66.1

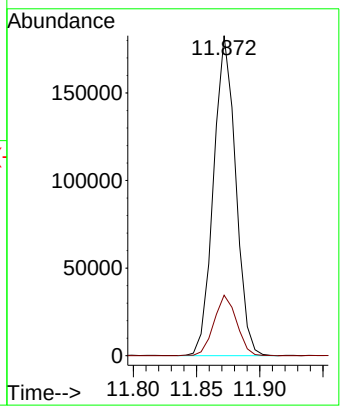




#85
sec-Butylbenzene
Concen: 20.014 ug/l
RT: 11.872 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047663.D
Acq: 19 Sep 2025 10:38

Tgt Ion:105 Resp: 22199

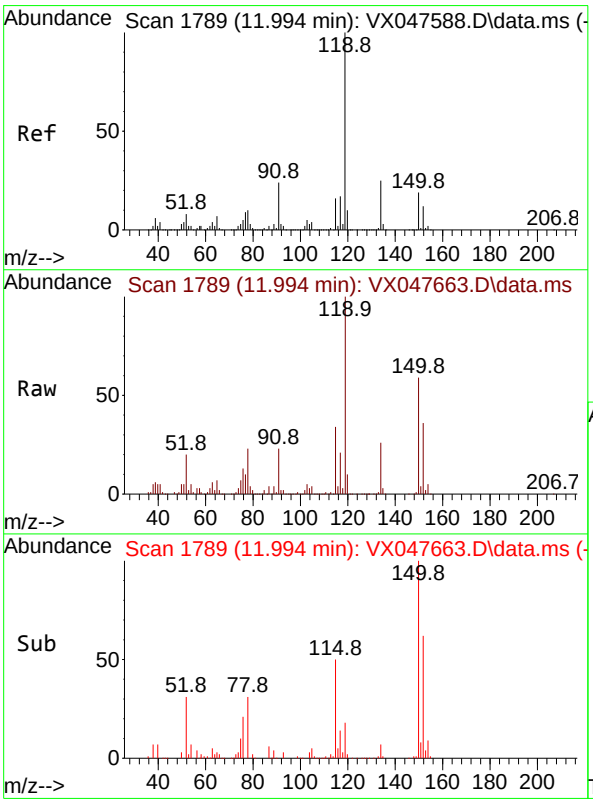
Ion	Ratio	Lower	Upper
105	100		
134	19.3	9.8	29.5



Instrument :
MSVOA_X
ClientSampleId :
VX0919WBS01

Manual Integrations
APPROVED

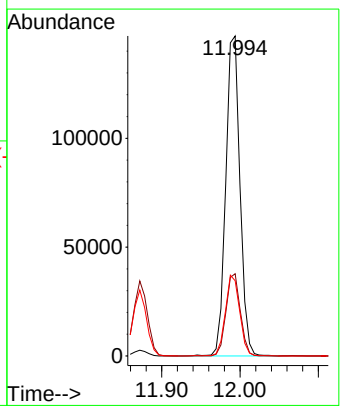
Reviewed By :Semsettin Yesilyurt 09/22/2025
Supervised By :Mahesh Dadoda 09/22/2025

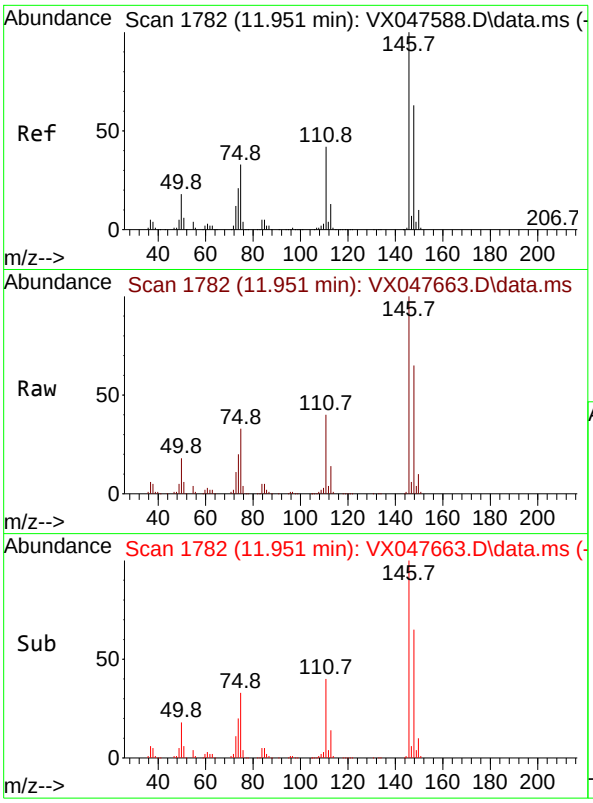


#86
p-Isopropyltoluene
Concen: 19.796 ug/l
RT: 11.994 min Scan# 1789
Delta R.T. -0.000 min
Lab File: VX047663.D
Acq: 19 Sep 2025 10:38

Tgt Ion:119 Resp: 185890

Ion	Ratio	Lower	Upper
119	100		
134	25.9	12.6	37.8
91	25.3	12.6	37.6

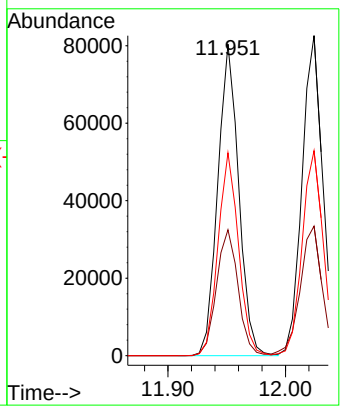




#87
1,3-Dichlorobenzene
Concen: 19.672 ug/l
RT: 11.951 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047663.D
Acq: 19 Sep 2025 10:38

Tgt Ion:146 Resp: 9992

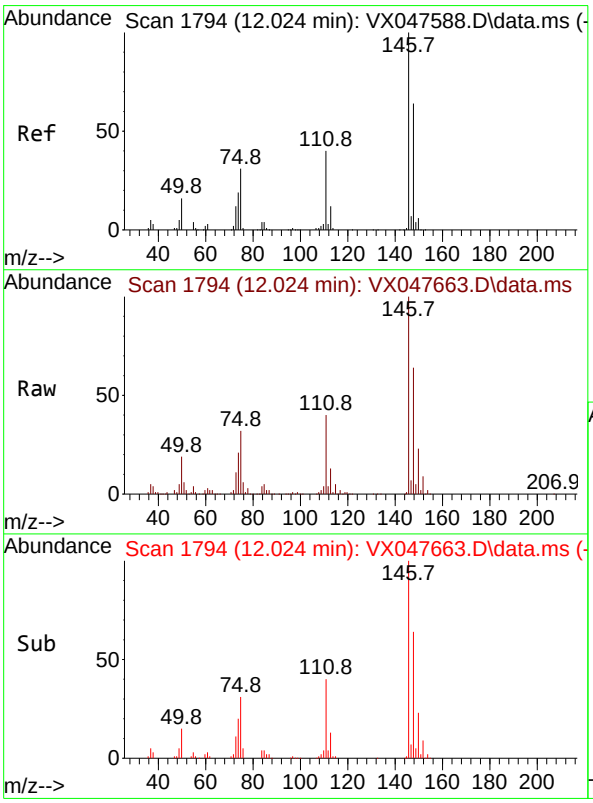
Ion	Ratio	Lower	Upper
146	100		
111	41.6	21.5	64.5
148	63.7	32.0	96.0



Instrument :
MSVOA_X
ClientSampleId :
VX0919WBS01

Manual Integrations
APPROVED

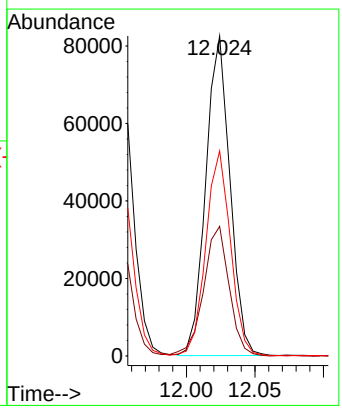
Reviewed By :Semsettin Yesilyurt 09/22/2025
Supervised By :Mahesh Dadoda 09/22/2025

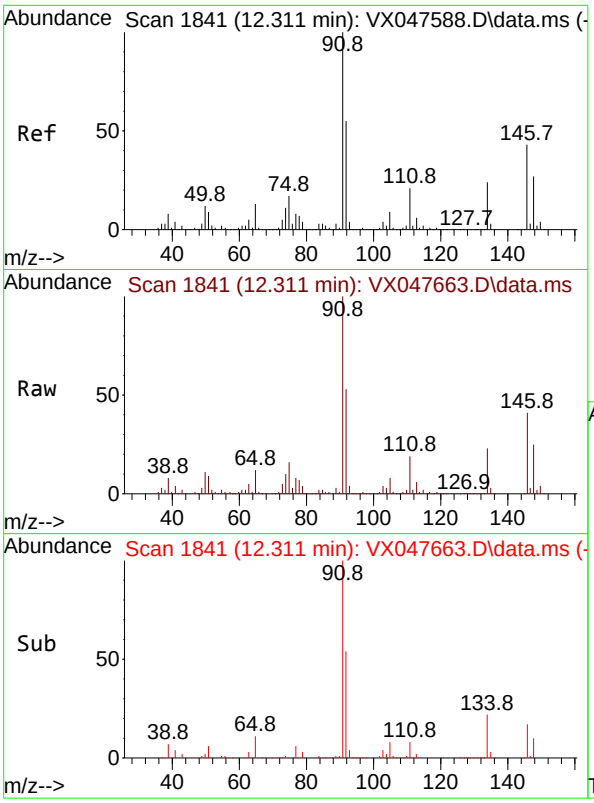


#88
1,4-Dichlorobenzene
Concen: 19.453 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX047663.D
Acq: 19 Sep 2025 10:38

Tgt Ion:146 Resp: 101411

Ion	Ratio	Lower	Upper
146	100		
111	42.8	20.8	62.4
148	65.3	31.7	95.1

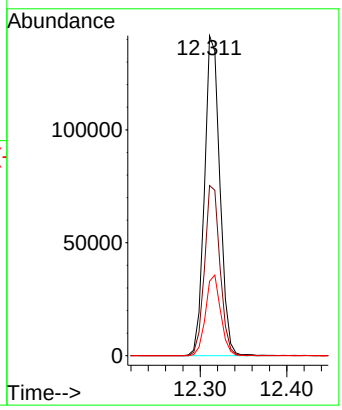




#89
n-Butylbenzene
Concen: 20.101 ug/l
RT: 12.311 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047663.D
Acq: 19 Sep 2025 10:38

Tgt Ion: 91 Resp: 17465

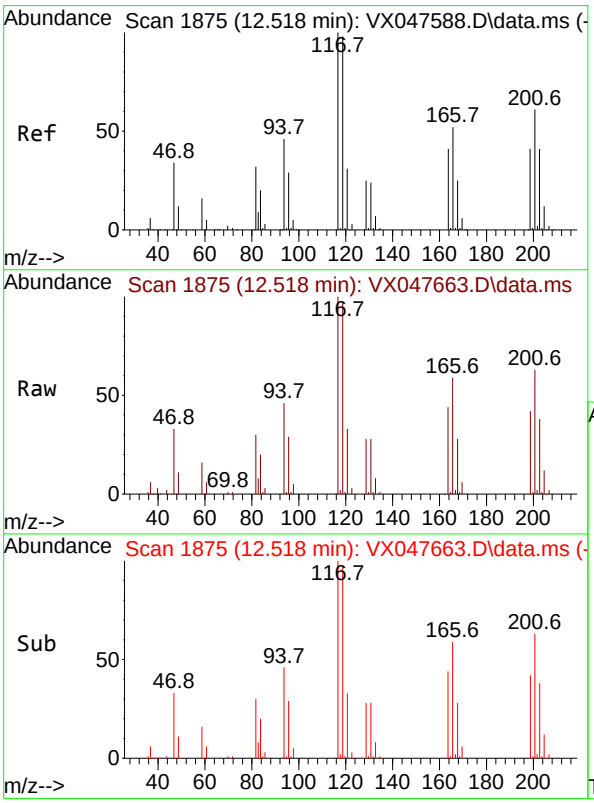
Ion	Ratio	Lower	Upper
91	100		
92	53.2	27.6	82.7
134	24.7	12.6	37.8



Instrument :
MSVOA_X
ClientSampleId :
VX0919WBS01

Manual Integrations
APPROVED

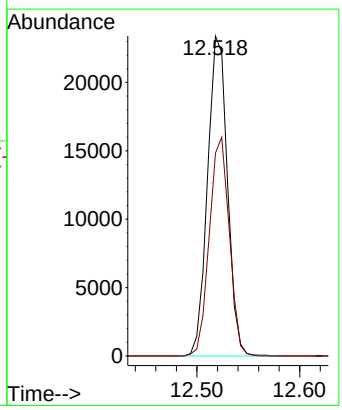
Reviewed By :Semsettin Yesilyurt 09/22/2025
Supervised By :Mahesh Dadoda 09/22/2025

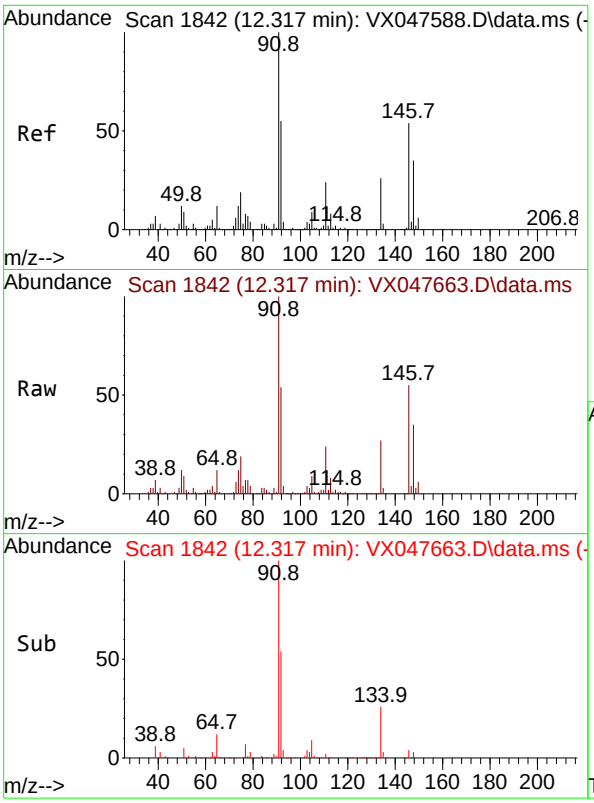


#90
Hexachloroethane
Concen: 19.010 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VX047663.D
Acq: 19 Sep 2025 10:38

Tgt Ion:117 Resp: 31341

Ion	Ratio	Lower	Upper
117	100		
201	68.6	34.2	102.5

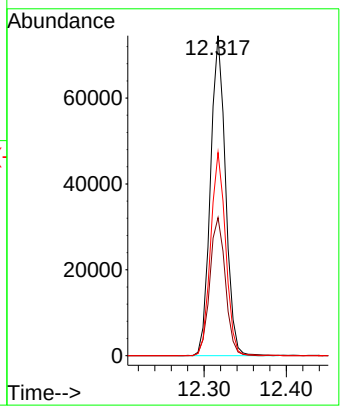




#91
1,2-Dichlorobenzene
Concen: 19.589 ug/l
RT: 12.317 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047663.D
Acq: 19 Sep 2025 10:38

Tgt Ion:146 Resp: 9479

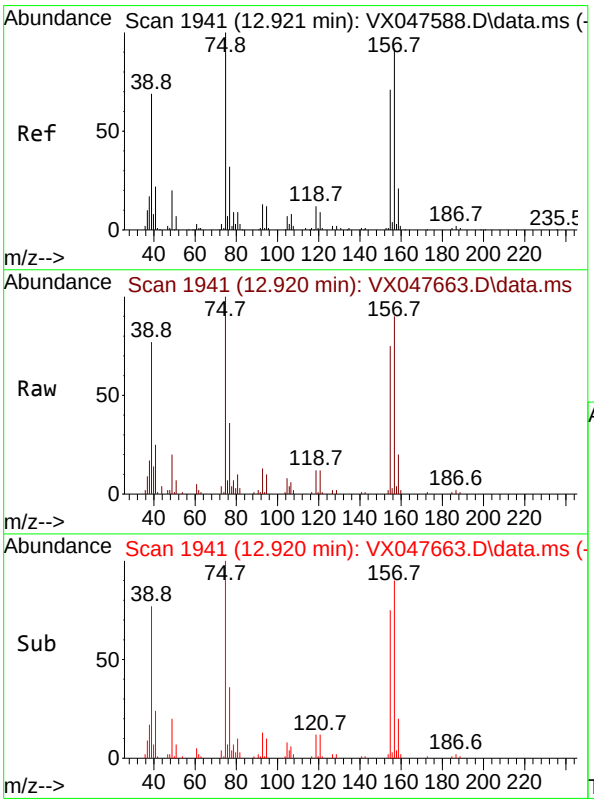
Ion	Ratio	Lower	Upper
146	100		
111	44.5	22.2	66.6
148	63.3	31.8	95.4



Instrument :
MSVOA_X
ClientSampleId :
VX0919WBS01

Manual Integrations
APPROVED

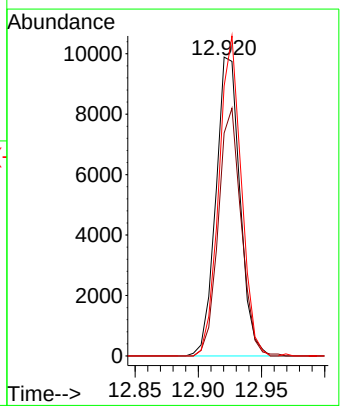
Reviewed By :Semsettin Yesilyurt 09/22/2025
Supervised By :Mahesh Dadoda 09/22/2025

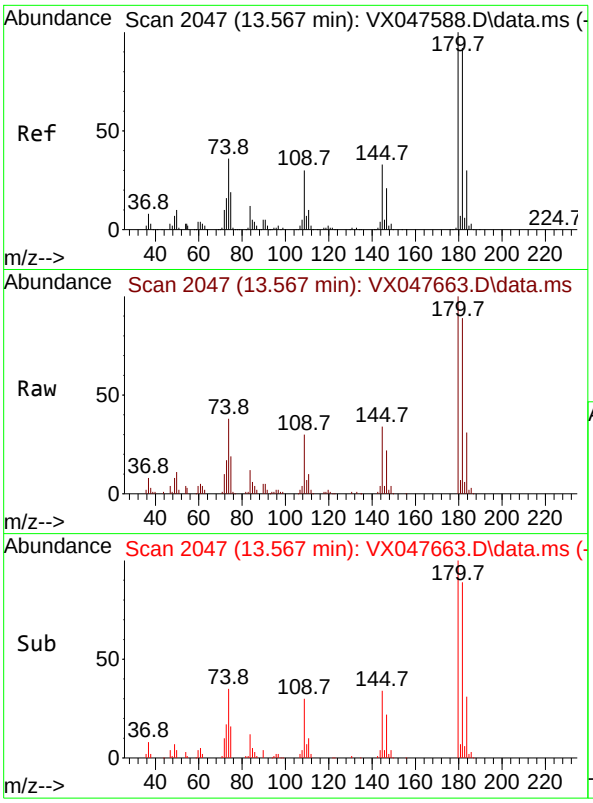


#92
1,2-Dibromo-3-Chloropropane
Concen: 19.231 ug/l
RT: 12.920 min Scan# 1941
Delta R.T. -0.000 min
Lab File: VX047663.D
Acq: 19 Sep 2025 10:38

Tgt Ion: 75 Resp: 13079

Ion	Ratio	Lower	Upper
75	100		
155	78.9	37.7	113.1
157	99.3	49.8	149.4

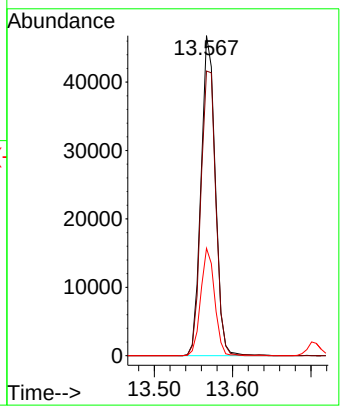




#93
1,2,4-Trichlorobenzene
Concen: 18.794 ug/l
RT: 13.567 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047663.D
Acq: 19 Sep 2025 10:38

Tgt Ion:180 Resp: 5910

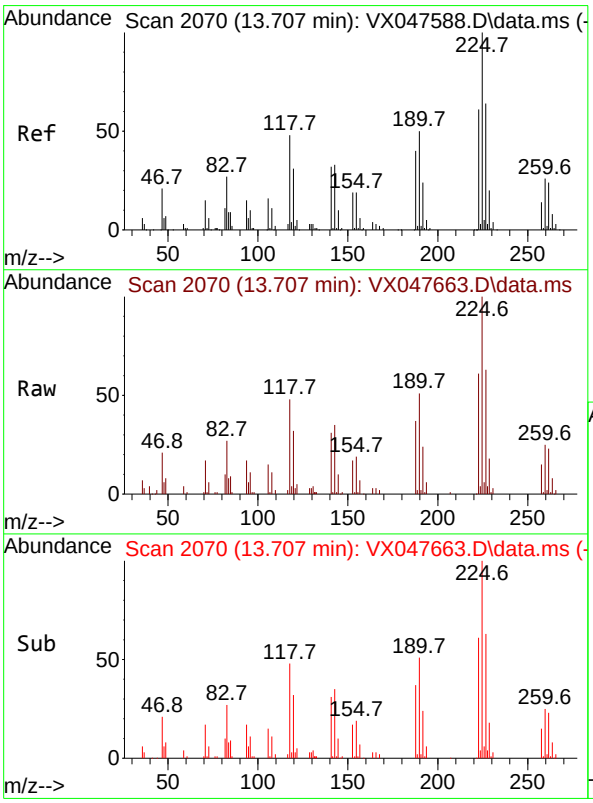
Ion	Ratio	Lower	Upper
180	100		
182	93.5	46.6	139.8
145	32.6	16.4	49.1



Instrument :
MSVOA_X
ClientSampleId :
VX0919WBS01

Manual Integrations APPROVED

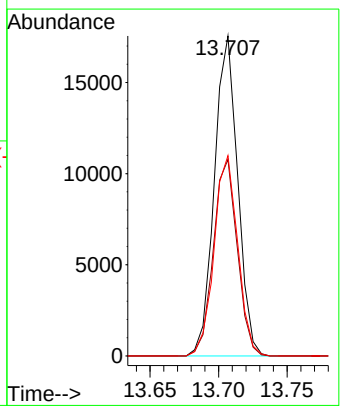
Reviewed By :Semsettin Yesilyurt 09/22/2025
Supervised By :Mahesh Dadoda 09/22/2025

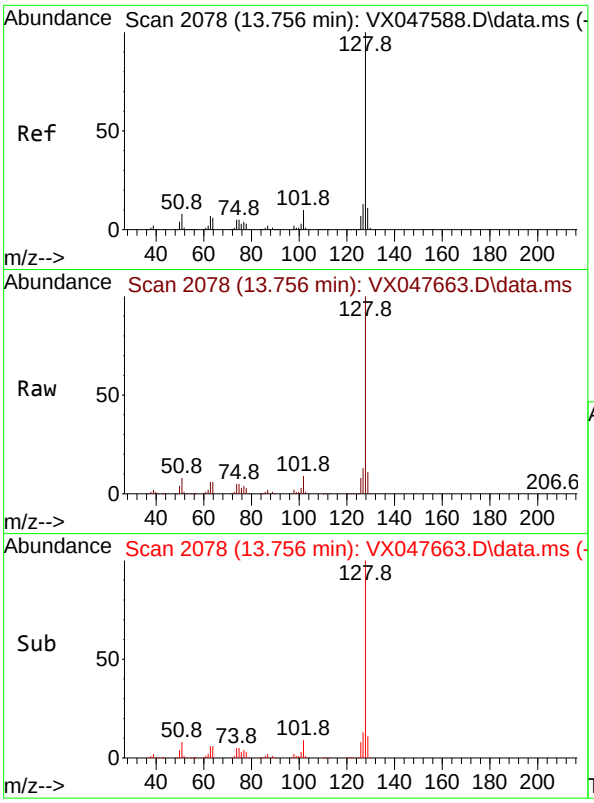


#94
Hexachlorobutadiene
Concen: 19.445 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. -0.000 min
Lab File: VX047663.D
Acq: 19 Sep 2025 10:38

Tgt Ion:225 Resp: 20772

Ion	Ratio	Lower	Upper
225	100		
223	62.8	31.7	95.1
227	63.5	32.0	96.0

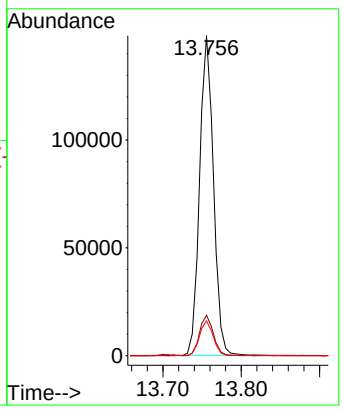




#95
Naphthalene
Concen: 19.000 ug/l
RT: 13.756 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047663.D
Acq: 19 Sep 2025 10:38

Tgt Ion:128 Resp: 18195

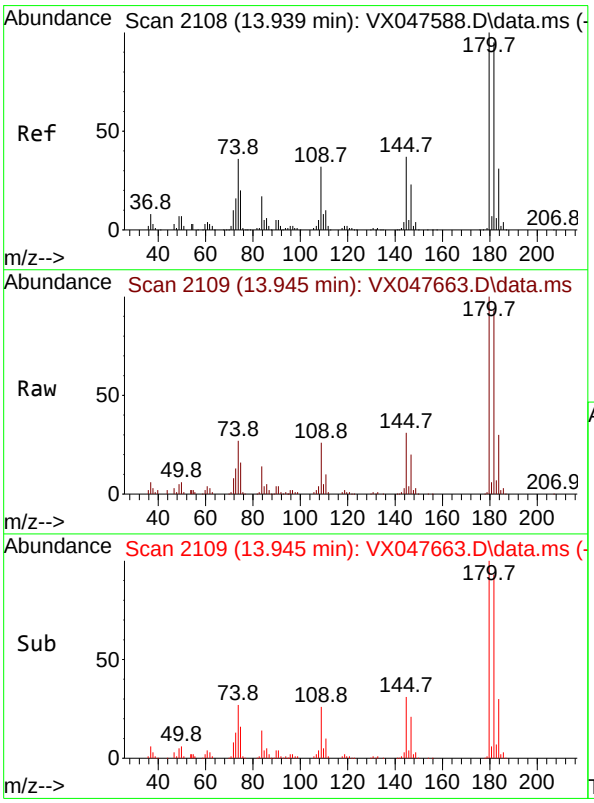
Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.2	15.2
129	10.9	8.8	13.2



Instrument :
MSVOA_X
ClientSampleId :
VX0919WBS01

Manual Integrations
APPROVED

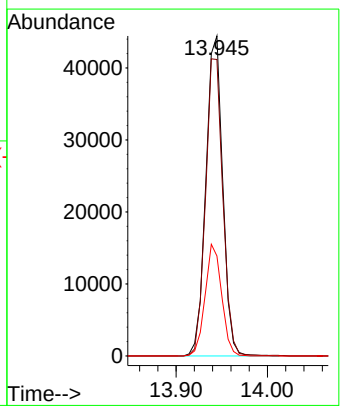
Reviewed By :Semsettin Yesilyurt 09/22/2025
Supervised By :Mahesh Dadoda 09/22/2025



#96
1,2,3-Trichlorobenzene
Concen: 19.434 ug/l
RT: 13.945 min Scan# 2109
Delta R.T. 0.006 min
Lab File: VX047663.D
Acq: 19 Sep 2025 10:38

Tgt Ion:180 Resp: 56854

Ion	Ratio	Lower	Upper
180	100		
182	95.4	47.6	142.8
145	34.3	17.9	53.7



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:	09/09/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/12/25
Client Sample ID:	MW203D2-20250909MS	SDG No.:	Q3095
Lab Sample ID:	Q3095-06MS	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047627.D	1	09/17/25 18:19	VX091725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	44.7		0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	48.5		0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	49.5		0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	51.0		1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	50.4		0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	47.9		0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	48.2		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	51.2		0.23	0.75	1.00	ug/L
67-64-1	Acetone	240		1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	46.5		0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	55.4		0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	63.6		0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	52.6		0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	51.7		0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	59.3		0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	46.8		1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	290		0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	46.9		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	55.6		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	54.4		0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	52.0		0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	44.6		0.16	0.50	1.00	ug/L
71-43-2	Benzene	50.3		0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	51.4		0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	51.9		0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	51.9		0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	51.7		0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	300		0.68	2.50	5.00	ug/L
108-88-3	Toluene	50.4		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:	09/09/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/12/25
Client Sample ID:	MW203D2-20250909MS	SDG No.:	Q3095
Lab Sample ID:	Q3095-06MS	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047627.D	1	09/17/25 18:19	VX091725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	50.4		0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	50.1		0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	53.2		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	53.2		0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	54.5		0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	47.5		0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	50.8		0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	50.4		0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	100		0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	51.7		0.12	0.50	1.00	ug/L
100-42-5	Styrene	51.7		0.15	0.50	1.00	ug/L
75-25-2	Bromoform	54.4		0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	50.1		0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	56.3		0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	50.7		0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	49.6		0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	51.2		0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	56.7		0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	50.1		0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	50.8		0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	52.0		81 - 118		104%	SPK: 50
1868-53-7	Dibromofluoromethane	50.1		80 - 119		100%	SPK: 50
2037-26-5	Toluene-d8	49.6		89 - 112		99%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.6		85 - 114		99%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	160000	5.544				
540-36-3	1,4-Difluorobenzene	295000	6.745				
3114-55-4	Chlorobenzene-d5	262000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	125000	12.006				

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:	09/09/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/12/25
Client Sample ID:	MW203D2-20250909MS	SDG No.:	Q3095
Lab Sample ID:	Q3095-06MS	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047627.D	1	09/17/25 18:19	VX091725

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\VX091725\
Data File : VX047627.D
Acq On : 17 Sep 2025 18:19
Operator : JC/MD
Sample : Q3095-06MS
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Sep 18 02:08:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MS

Manual Integrations APPROVED

Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	159553	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	295061	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	261981	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	124680	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	131950	51.955	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 103.920%			
35) Dibromofluoromethane	5.379	113	99040	50.050	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.100%			
50) Toluene-d8	8.635	98	339508	49.584	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 99.160%			
62) 4-Bromofluorobenzene	11.067	95	128944	49.620	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 99.240%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.173	85	73871	44.711	ug/l	98
3) Chloromethane	1.301	50	105255	48.472	ug/l	100
4) Vinyl Chloride	1.380	62	105172	49.479	ug/l	99
5) Bromomethane	1.618	94	68703	50.972	ug/l	98
6) Chloroethane	1.697	64	71546	50.361	ug/l	100
7) Trichlorofluoromethane	1.892	101	151188	47.904	ug/l	100
8) Diethyl Ether	2.136	74	69874	54.122	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.337	101	88943	48.196	ug/l	99
10) Methyl Iodide	2.459	142	142690	49.577	ug/l	99
11) Tert butyl alcohol	2.947	59	82858	292.937	ug/l	99
12) 1,1-Dichloroethene	2.325	96	97044	51.193	ug/l	98
13) Acrolein	2.240	56	98212	376.791	ug/l	99
14) Allyl chloride	2.666	41	197692	50.538	ug/l	97
15) Acrylonitrile	3.056	53	326837	311.955	ug/l	99
16) Acetone	2.374	43	266083	240.960	ug/l	97
17) Carbon Disulfide	2.520	76	241409	46.518	ug/l	99
18) Methyl Acetate	2.703	43	156175	63.550	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	383542	55.425	ug/l	98
20) Methylene Chloride	2.788	84	122976	52.612	ug/l	98
21) trans-1,2-Dichloroethene	3.093	96	105424	51.656	ug/l	97
22) Diisopropyl ether	3.751	45	412398	54.398	ug/l	86
23) Vinyl Acetate	3.715	43	1610114	265.368	ug/l	99
24) 1,1-Dichloroethane	3.605	63	238744	59.250	ug/l	99
25) 2-Butanone	4.544	43	405937	294.707	ug/l	100
26) 2,2-Dichloropropane	4.471	77	140962	42.085	ug/l	97
27) cis-1,2-Dichloroethene	4.483	96	139031	55.625	ug/l	97
28) Bromochloromethane	4.891	49	96857	55.060	ug/l	99
29) Tetrahydrofuran	4.989	42	256857	309.979	ug/l	99
30) Chloroform	5.087	83	221639	54.432	ug/l	96
31) Cyclohexane	5.458	56	156950	46.767	ug/l	99
32) 1,1,1-Trichloroethane	5.379	97	179641	52.013	ug/l	99
36) 1,1-Dichloropropene	5.684	75	137596	47.585	ug/l	99
37) Ethyl Acetate	4.696	43	162315	52.427	ug/l	98
38) Carbon Tetrachloride	5.672	117	147471	46.940	ug/l	98
39) Methylcyclohexane	7.367	83	146335	44.583	ug/l	99
40) Benzene	6.025	78	441979	50.326	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091725\
Data File : VX047627.D
Acq On : 17 Sep 2025 18:19
Operator : JC/MD
Sample : Q3095-06MS
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Sep 18 02:08:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MS

Manual Integrations APPROVED

Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.910	41	92906	58.127	ug/l		98
42) 1,2-Dichloroethane	6.074	62	171730	51.392	ug/l		98
43) Isopropyl Acetate	6.324	43	275390	54.235	ug/l		100
44) Trichloroethene	7.111	130	110156	51.881	ug/l		96
45) 1,2-Dichloropropane	7.415	63	116638	51.866	ug/l		98
46) Dibromomethane	7.568	93	85895	52.488	ug/l		99
47) Bromodichloromethane	7.806	83	174519	51.679	ug/l		100
48) Methyl methacrylate	7.678	41	140879	55.700	ug/l		99
49) 1,4-Dioxane	7.647	88	33926	1327.269	ug/l		98
51) 4-Methyl-2-Pentanone	8.562	43	842868	299.390	ug/l		99
52) Toluene	8.702	92	272836	50.424	ug/l		99
53) t-1,3-Dichloropropene	8.964	75	173625	50.406	ug/l		99
54) cis-1,3-Dichloropropene	8.354	75	184506	50.114	ug/l		99
55) 1,1,2-Trichloroethane	9.135	97	110987	53.196	ug/l		99
56) Ethyl methacrylate	9.104	69	185273	56.544	ug/l		98
57) 1,3-Dichloropropane	9.293	76	193063	53.867	ug/l		100
59) 2-Hexanone	9.415	43	587710	290.665	ug/l		99
60) Dibromochloromethane	9.507	129	127823	53.171	ug/l		99
61) 1,2-Dibromoethane	9.592	107	115811	54.497	ug/l		100
64) Tetrachloroethene	9.257	164	81118	47.497	ug/l		99
65) Chlorobenzene	10.061	112	302235	50.781	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.147	131	103999	50.638	ug/l		98
67) Ethyl Benzene	10.177	91	517450	50.388	ug/l		99
68) m/p-Xylenes	10.287	106	384391	100.566	ug/l		100
69) o-Xylene	10.628	106	191158	51.706	ug/l		99
70) Styrene	10.640	104	335181	51.742	ug/l		98
71) Bromoform	10.781	173	83452	54.418	ug/l	#	98
73) Isopropylbenzene	10.945	105	475299	50.143	ug/l		100
74) N-amyl acetate	10.829	43	227882	52.719	ug/l		100
75) 1,1,2,2-Tetrachloroethane	11.195	83	161458	56.299	ug/l		99
76) 1,2,3-Trichloropropane	11.220	75	126996m	50.308	ug/l		
77) Bromobenzene	11.183	156	120985	51.822	ug/l		99
78) n-propylbenzene	11.287	91	559362	49.919	ug/l		100
79) 2-Chlorotoluene	11.348	91	346749	50.524	ug/l		99
80) 1,3,5-Trimethylbenzene	11.433	105	391142	50.225	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.000	75	49723	50.230	ug/l		98
82) 4-Chlorotoluene	11.439	91	410157	50.602	ug/l		100
83) tert-Butylbenzene	11.695	119	397695	49.885	ug/l		99
84) 1,2,4-Trimethylbenzene	11.732	105	401664	50.872	ug/l		99
85) sec-Butylbenzene	11.872	105	468992	49.527	ug/l		99
86) p-Isopropyltoluene	11.994	119	394248	49.178	ug/l		99
87) 1,3-Dichlorobenzene	11.951	146	219815	50.692	ug/l		99
88) 1,4-Dichlorobenzene	12.024	146	220949	49.645	ug/l		99
89) n-Butylbenzene	12.317	91	360159	48.552	ug/l		99
90) Hexachloroethane	12.518	117	68740	48.838	ug/l		98
91) 1,2-Dichlorobenzene	12.317	146	211420	51.176	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	12.921	75	32914	56.686	ug/l		98
93) 1,2,4-Trichlorobenzene	13.567	180	134428	50.068	ug/l		99
94) Hexachlorobutadiene	13.707	225	40073	43.940	ug/l		100
95) Naphthalene	13.756	128	442360	54.106	ug/l		100
96) 1,2,3-Trichlorobenzene	13.939	180	126844	50.787	ug/l		98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091725\
Data File : VX047627.D
Acq On : 17 Sep 2025 18:19
Operator : JC/MD
Sample : Q3095-06MS
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Sep 18 02:08:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MS

Manual Integrations APPROVED

Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

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

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

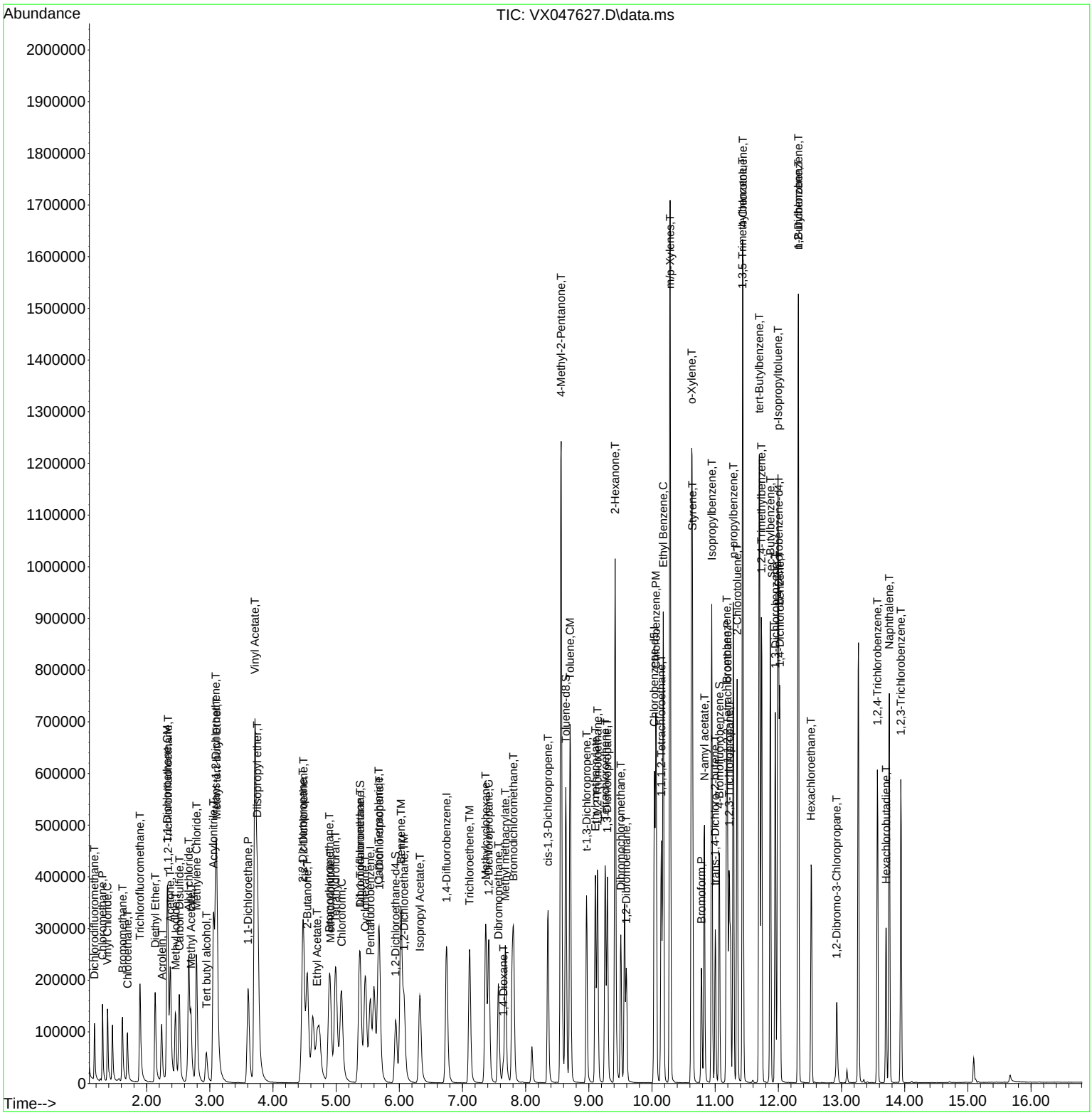
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091725\
Data File : VX047627.D
Acq On : 17 Sep 2025 18:19
Operator : JC/MD
Sample : Q3095-06MS
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

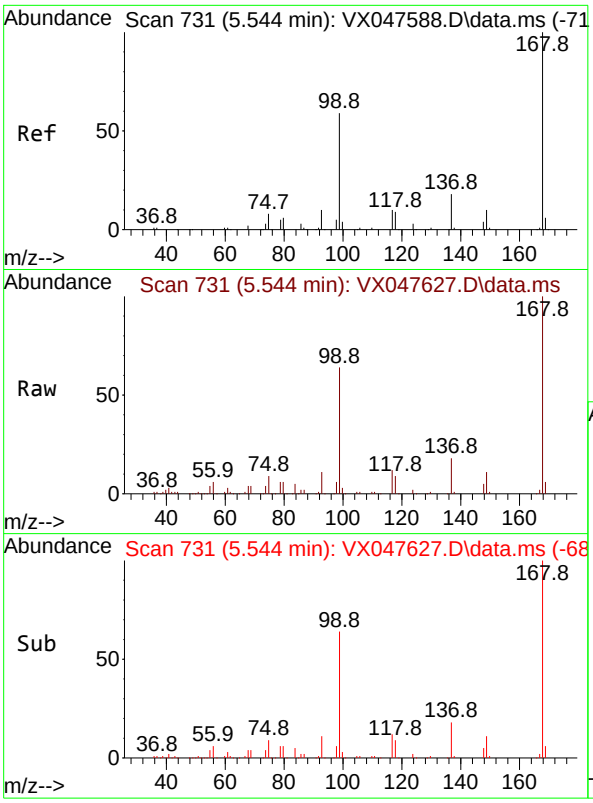
Quant Time: Sep 18 02:08:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MS

Manual Integrations APPROVED

Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

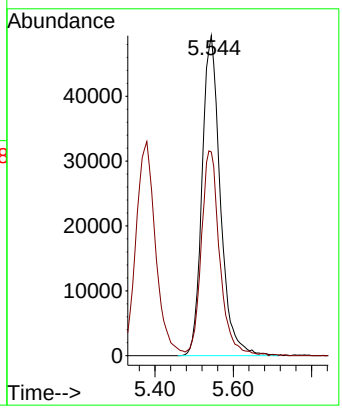




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047627.D
Acq: 17 Sep 2025 18:19

Tgt Ion:168 Resp: 15955

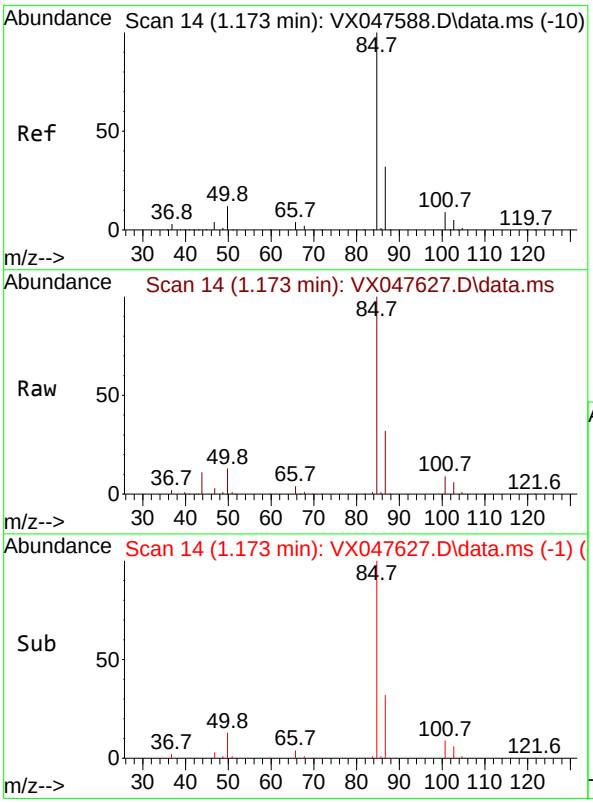
Ion	Ratio	Lower	Upper
168	100		
99	63.4	48.8	73.2



Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MS

Manual Integrations
APPROVED

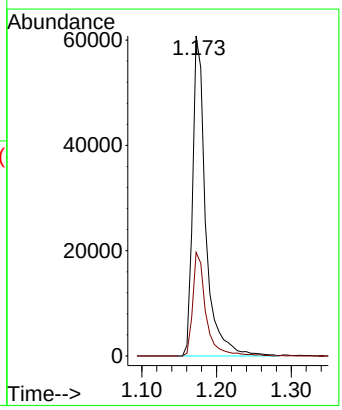
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

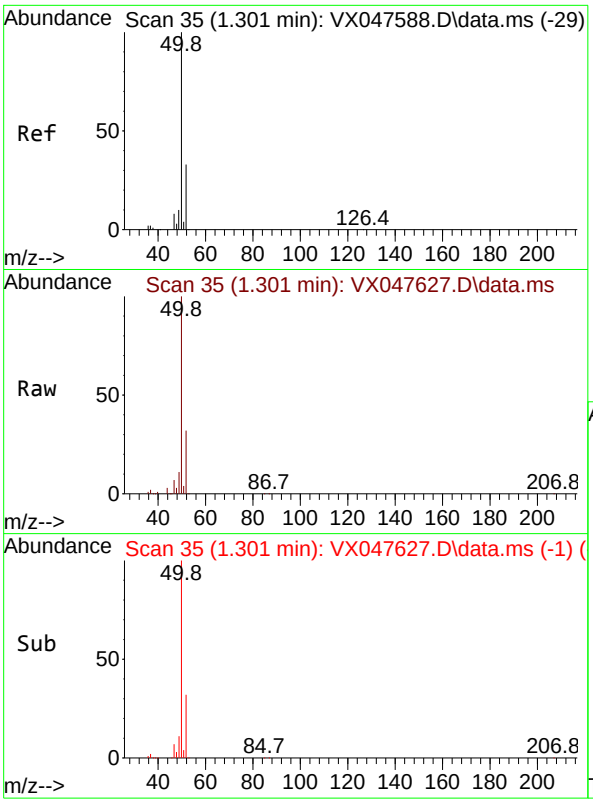


#2
Dichlorodifluoromethane
Concen: 44.711 ug/l
RT: 1.173 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047627.D
Acq: 17 Sep 2025 18:19

Tgt Ion: 85 Resp: 73871

Ion	Ratio	Lower	Upper
85	100		
87	32.3	15.8	47.3

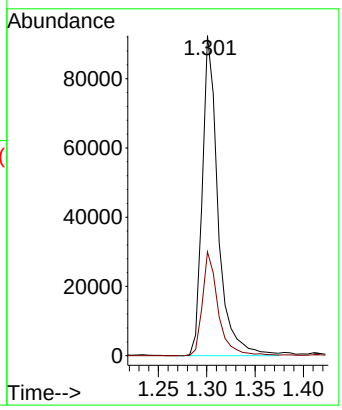




#3
Chloromethane
Concen: 48.472 ug/l
RT: 1.301 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX047627.D
Acq: 17 Sep 2025 18:19

Tgt Ion: 50 Resp: 10525

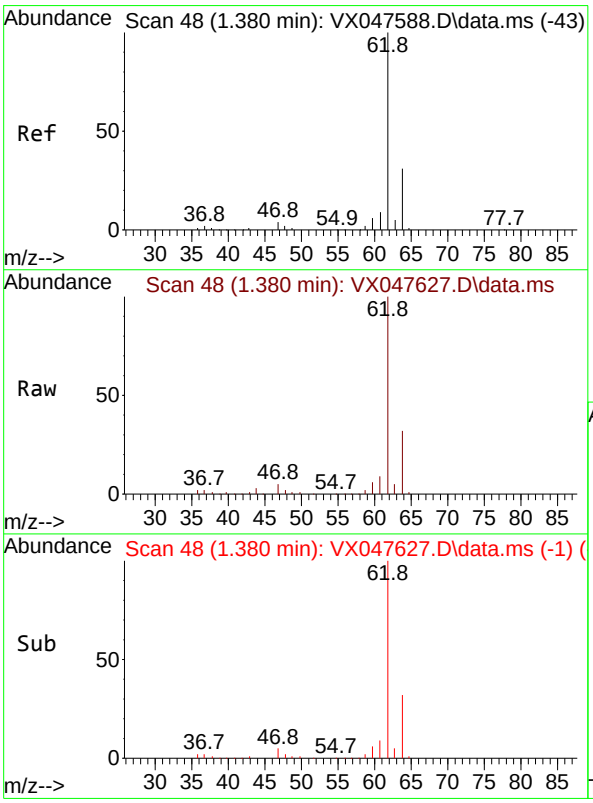
Ion	Ratio	Lower	Upper
50	100		
52	32.5	26.1	39.1



Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MS

Manual Integrations
APPROVED

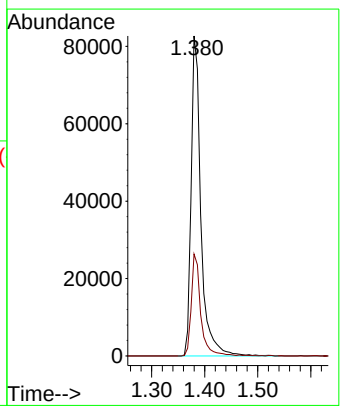
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

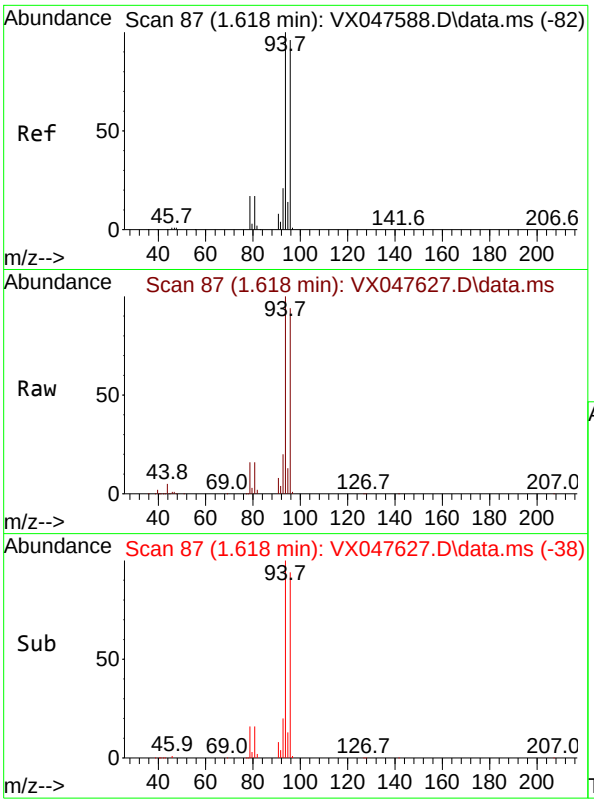


#4
Vinyl Chloride
Concen: 49.479 ug/l
RT: 1.380 min Scan# 48
Delta R.T. 0.000 min
Lab File: VX047627.D
Acq: 17 Sep 2025 18:19

Tgt Ion: 62 Resp: 105172

Ion	Ratio	Lower	Upper
62	100		
64	31.8	24.9	37.3

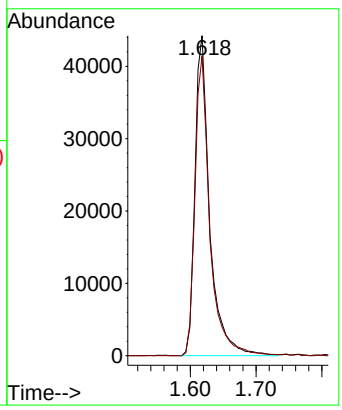




#5
Bromomethane
Concen: 50.972 ug/l
RT: 1.618 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX047627.D
Acq: 17 Sep 2025 18:19

Tgt Ion: 94 Resp: 6870

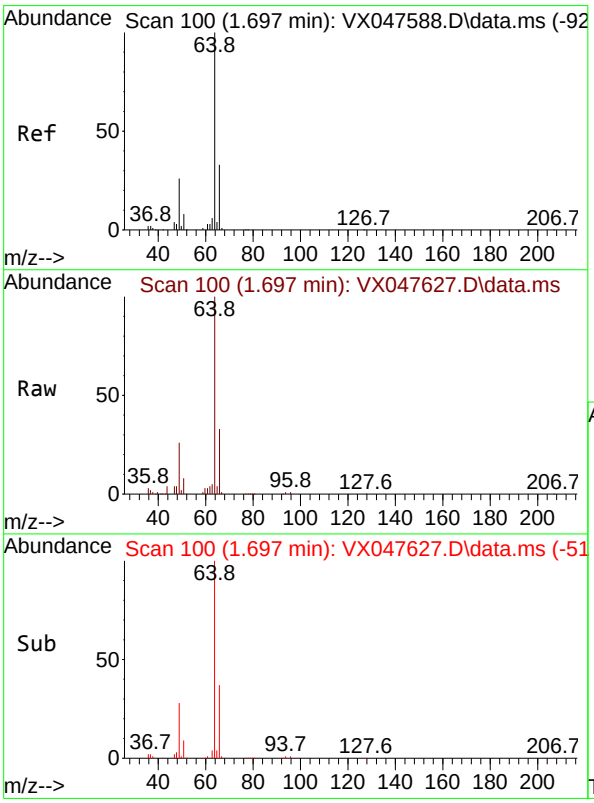
Ion	Ratio	Lower	Upper
94	100		
96	93.6	76.6	115.0



Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MS

Manual Integrations APPROVED

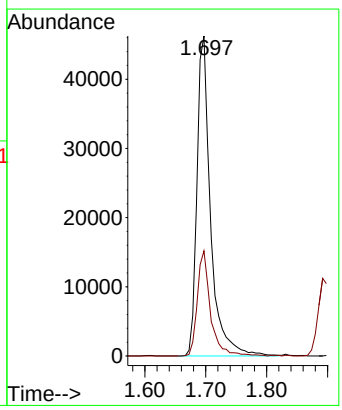
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

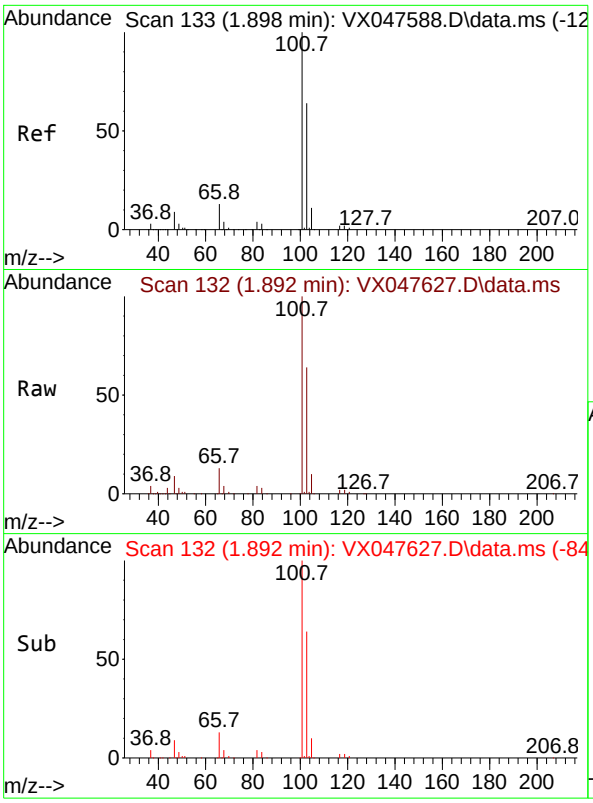


#6
Chloroethane
Concen: 50.361 ug/l
RT: 1.697 min Scan# 100
Delta R.T. 0.000 min
Lab File: VX047627.D
Acq: 17 Sep 2025 18:19

Tgt Ion: 64 Resp: 71546

Ion	Ratio	Lower	Upper
64	100		
66	32.9	26.1	39.1





#7
Trichlorofluoromethane
Concen: 47.904 ug/l
RT: 1.892 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047627.D
Acq: 17 Sep 2025 18:19

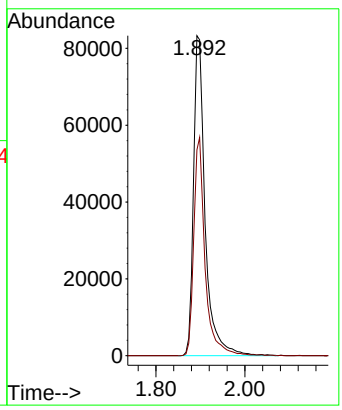
Tgt Ion:101 Resp: 15118

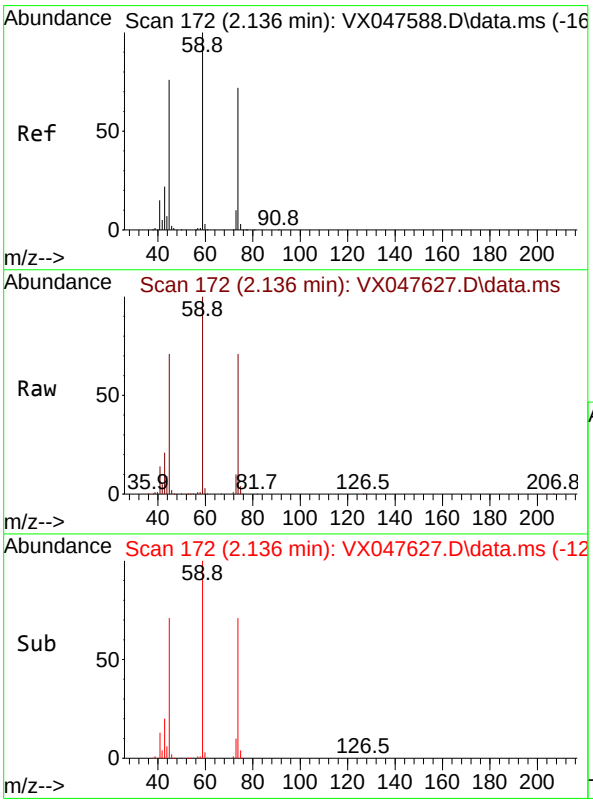
Ion	Ratio	Lower	Upper
101	100		
103	64.3	51.4	77.2

Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MS

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

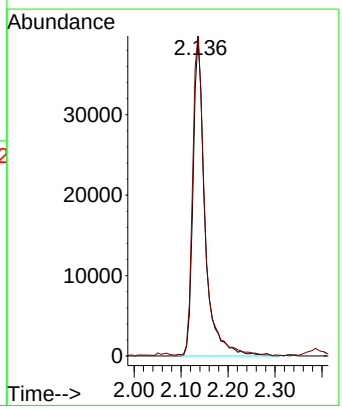


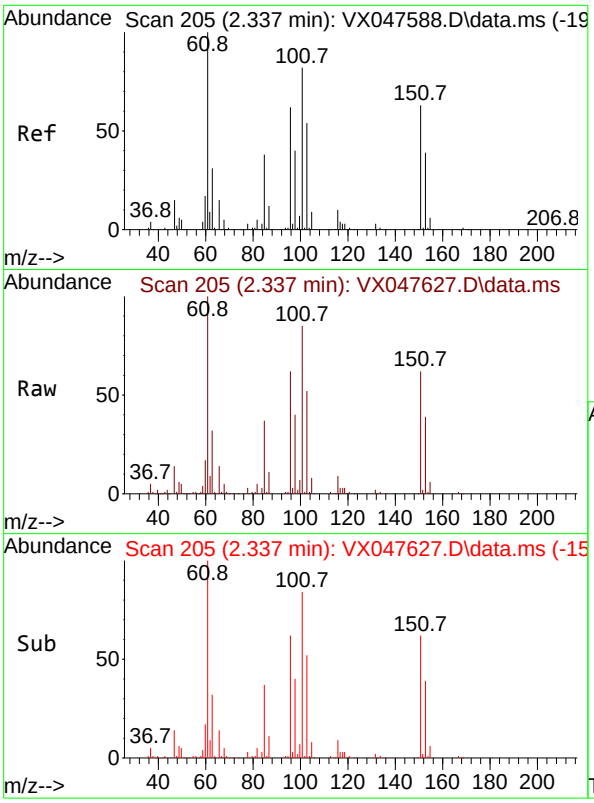


#8
Diethyl Ether
Concen: 54.122 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.000 min
Lab File: VX047627.D
Acq: 17 Sep 2025 18:19

Tgt Ion: 74 Resp: 69874

Ion	Ratio	Lower	Upper
74	100		
45	103.8	52.3	156.8





#9
1,1,2-Trichlorotrifluoroethane
Concen: 48.196 ug/l
RT: 2.337 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX047627.D
Acq: 17 Sep 2025 18:19

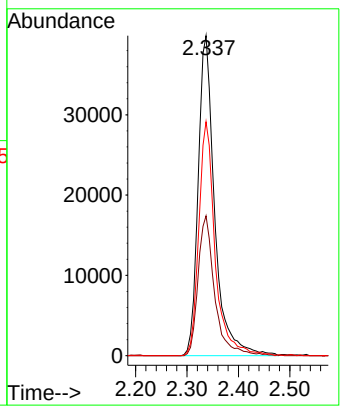
Tgt Ion:101 Resp: 8894

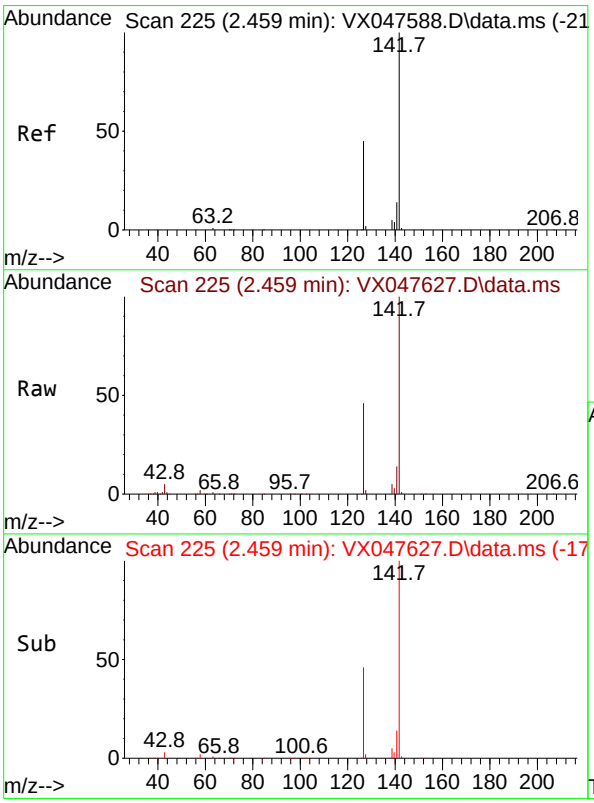
Ion	Ratio	Lower	Upper
101	100		
85	44.2	35.5	53.3
151	72.4	59.4	89.0

Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MS

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

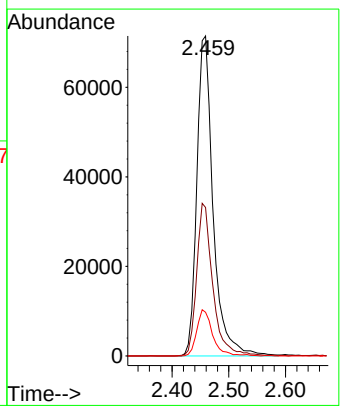


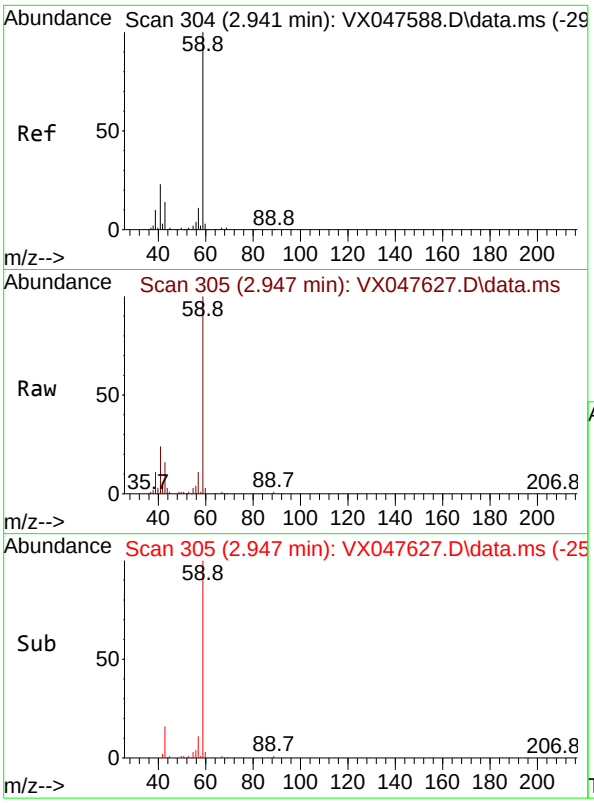


#10
Methyl Iodide
Concen: 49.577 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.000 min
Lab File: VX047627.D
Acq: 17 Sep 2025 18:19

Tgt Ion:142 Resp: 142690

Ion	Ratio	Lower	Upper
142	100		
127	47.3	37.2	55.8
141	14.2	11.4	17.0

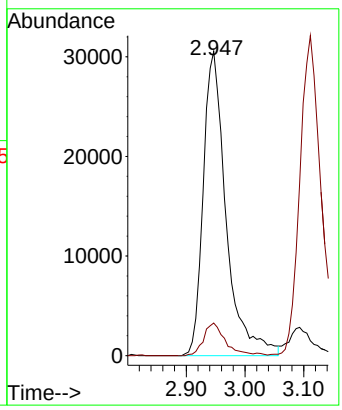




#11
Tert butyl alcohol
Concen: 292.937 ug/l
RT: 2.947 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX047627.D
Acq: 17 Sep 2025 18:19

Tgt Ion: 59 Resp: 8285

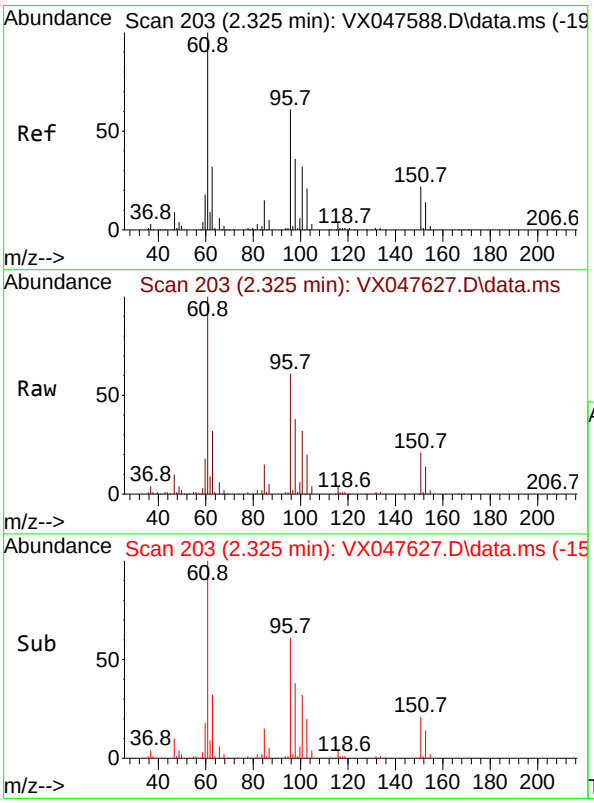
Ion	Ratio	Lower	Upper
59	100		
57	10.0	8.3	12.5



Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MS

Manual Integrations
APPROVED

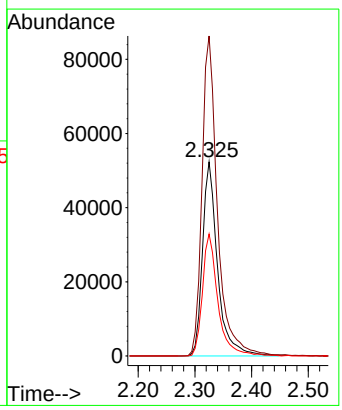
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

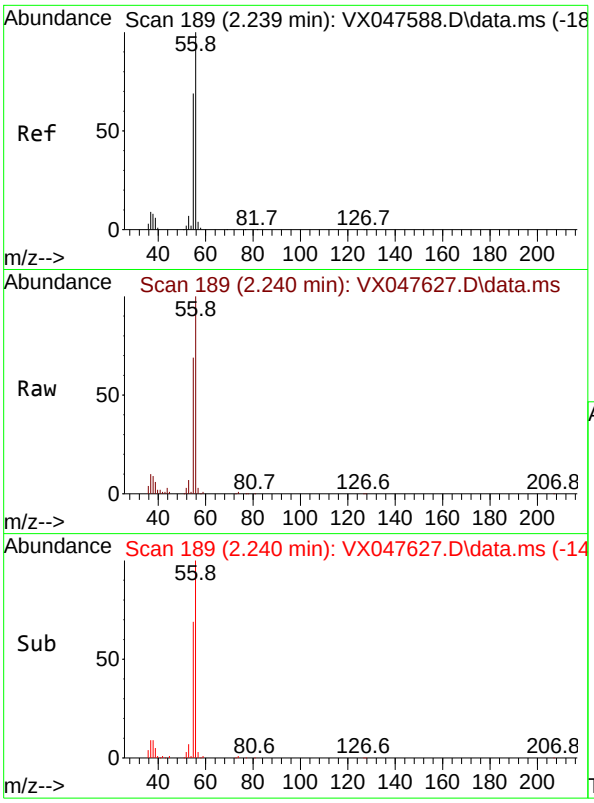


#12
1,1-Dichloroethene
Concen: 51.193 ug/l
RT: 2.325 min Scan# 203
Delta R.T. 0.000 min
Lab File: VX047627.D
Acq: 17 Sep 2025 18:19

Tgt Ion: 96 Resp: 97044

Ion	Ratio	Lower	Upper
96	100		
61	164.9	131.0	196.6
98	62.8	47.7	71.5

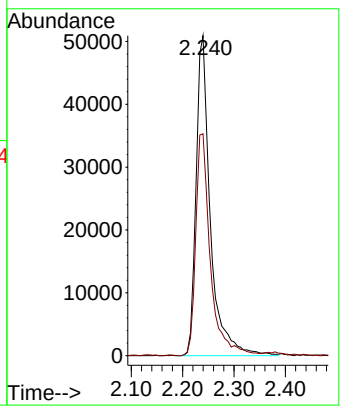




#13
Acrolein
Concen: 376.791 ug/l
RT: 2.240 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047627.D
Acq: 17 Sep 2025 18:19

Tgt Ion: 56 Resp: 9821

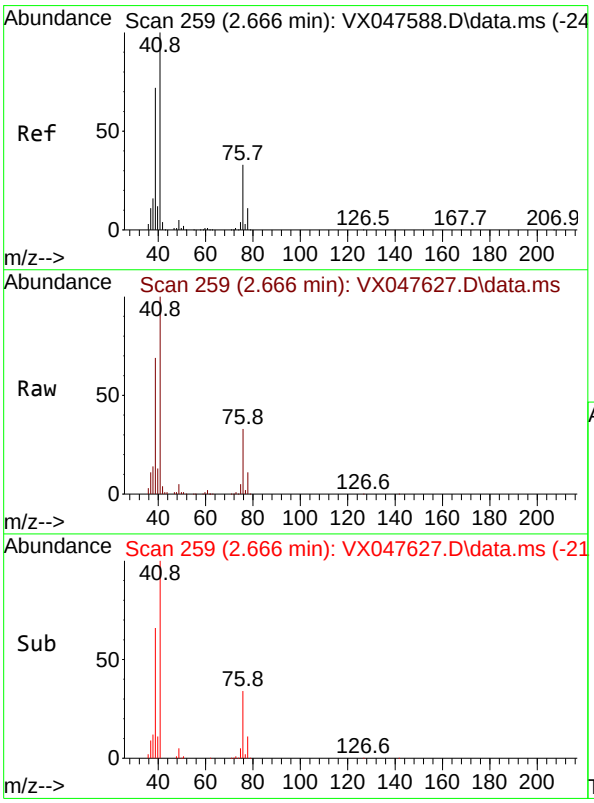
Ion	Ratio	Lower	Upper
56	100		
55	71.0	57.2	85.8



Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MS

Manual Integrations
APPROVED

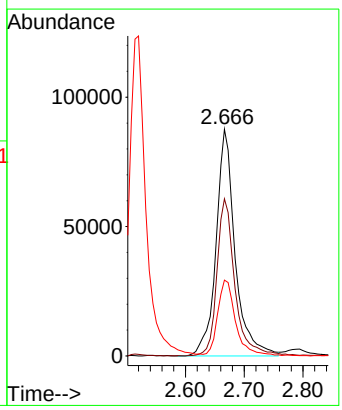
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

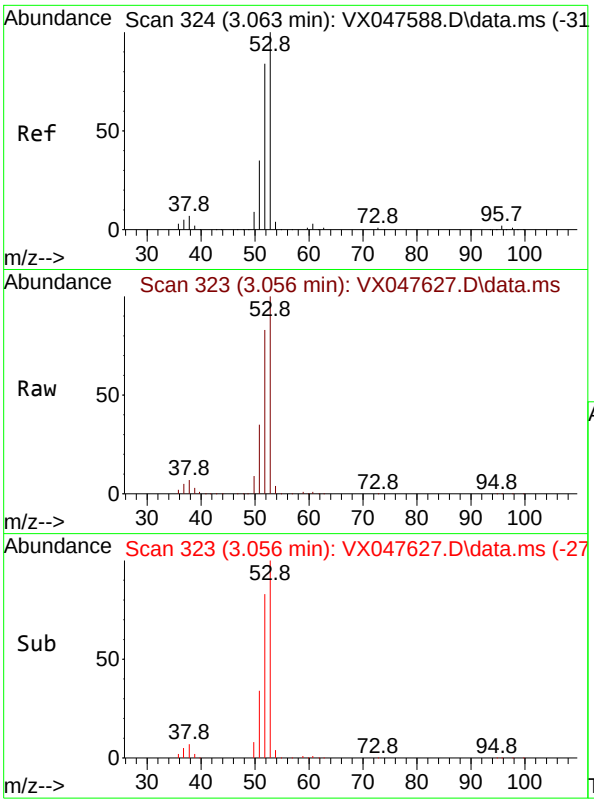


#14
Allyl chloride
Concen: 50.538 ug/l
RT: 2.666 min Scan# 259
Delta R.T. 0.000 min
Lab File: VX047627.D
Acq: 17 Sep 2025 18:19

Tgt Ion: 41 Resp: 197692

Ion	Ratio	Lower	Upper
41	100		
39	65.5	54.7	82.1
76	31.0	25.7	38.5

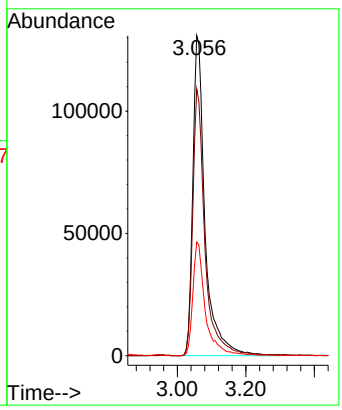




#15
Acrylonitrile
Concen: 311.955 ug/l
RT: 3.056 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047627.D
Acq: 17 Sep 2025 18:19

Tgt Ion: 53 Resp: 32683

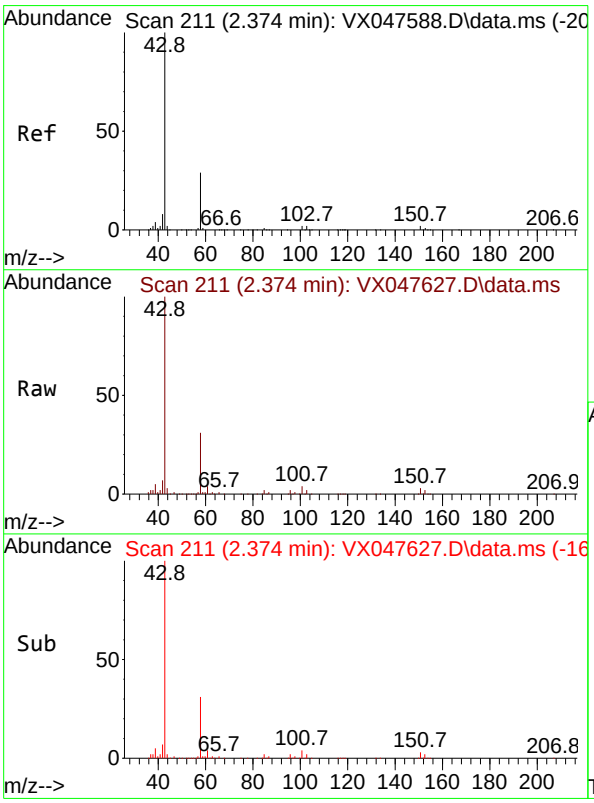
Ion	Ratio	Lower	Upper
53	100		
52	82.3	66.4	99.6
51	36.2	29.5	44.3



Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MS

Manual Integrations
APPROVED

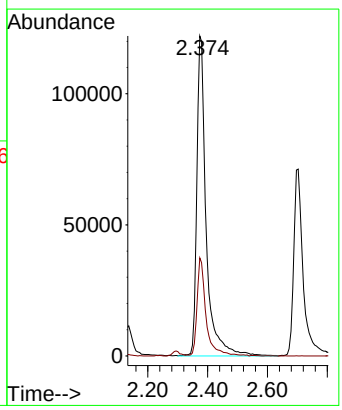
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

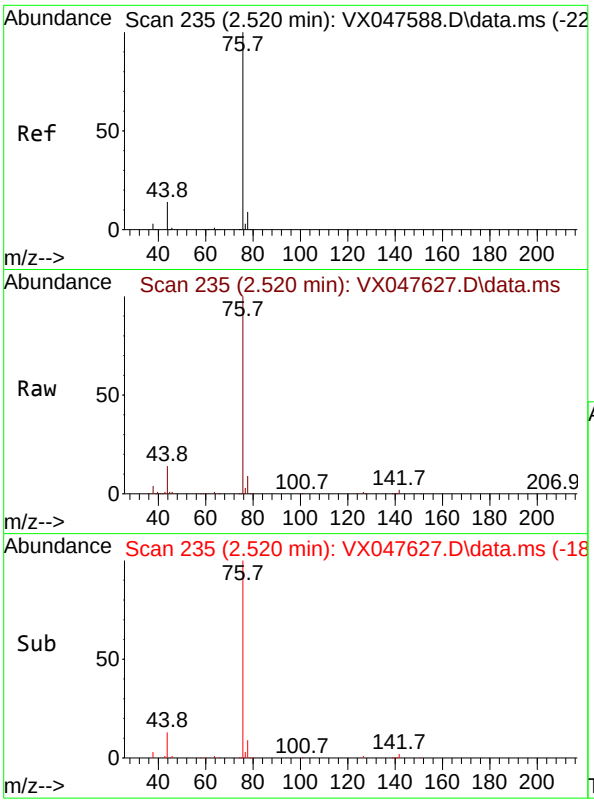


#16
Acetone
Concen: 240.960 ug/l
RT: 2.374 min Scan# 211
Delta R.T. 0.000 min
Lab File: VX047627.D
Acq: 17 Sep 2025 18:19

Tgt Ion: 43 Resp: 266083

Ion	Ratio	Lower	Upper
43	100		
58	30.7	23.4	35.0





#17
Carbon Disulfide
Concen: 46.518 ug/l
RT: 2.520 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX047627.D
Acq: 17 Sep 2025 18:19

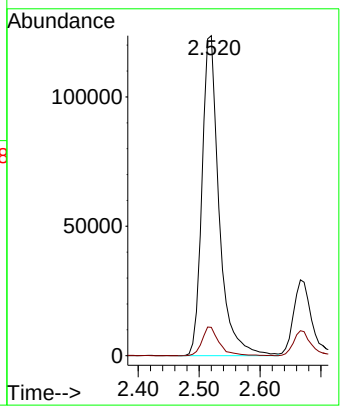
Tgt Ion: 76 Resp: 24140

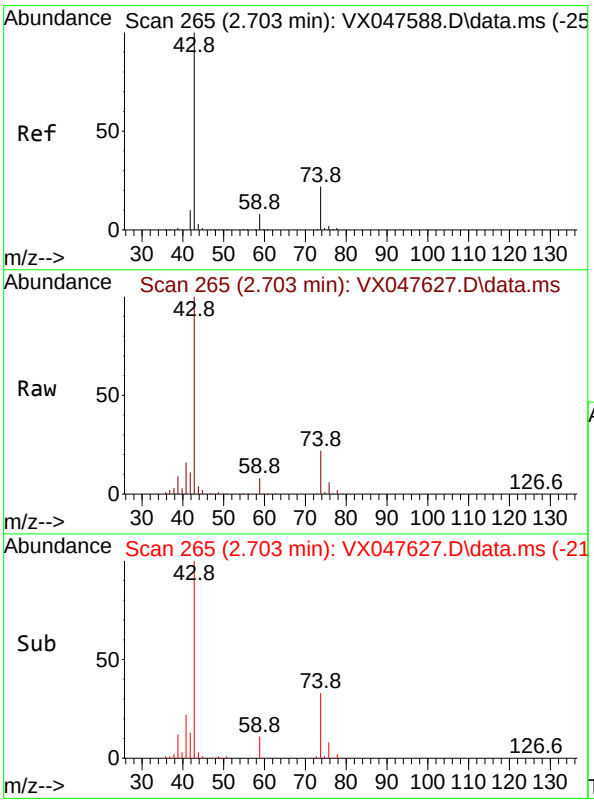
Ion	Ratio	Lower	Upper
76	100		
78	8.8	6.8	10.2

Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MS

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

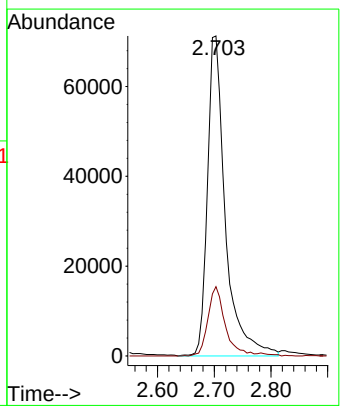


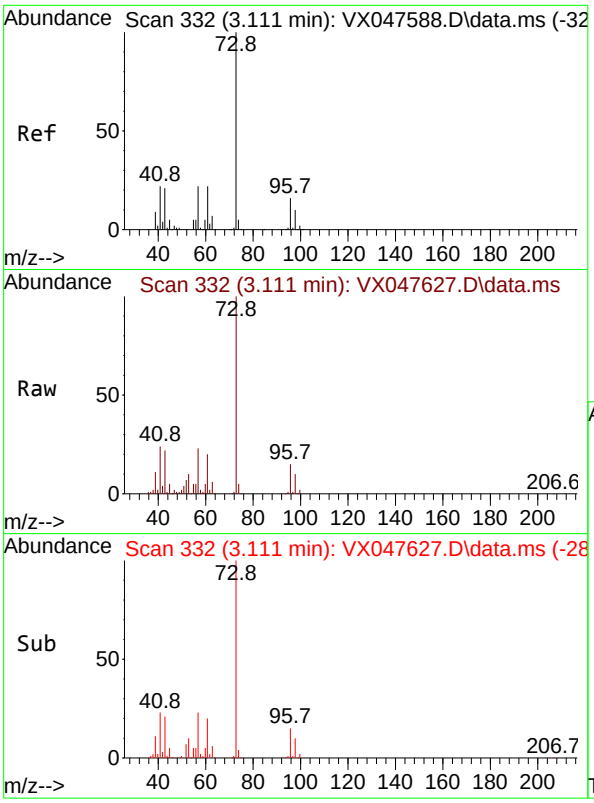


#18
Methyl Acetate
Concen: 63.550 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX047627.D
Acq: 17 Sep 2025 18:19

Tgt Ion: 43 Resp: 156175

Ion	Ratio	Lower	Upper
43	100		
74	20.9	17.4	26.2

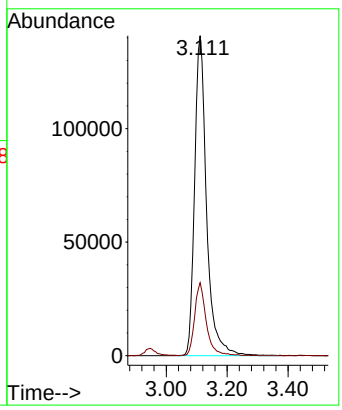




#19
Methyl tert-butyl Ether
Concen: 55.425 ug/l
RT: 3.111 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX047627.D
Acq: 17 Sep 2025 18:19

Tgt Ion: 73 Resp: 38354

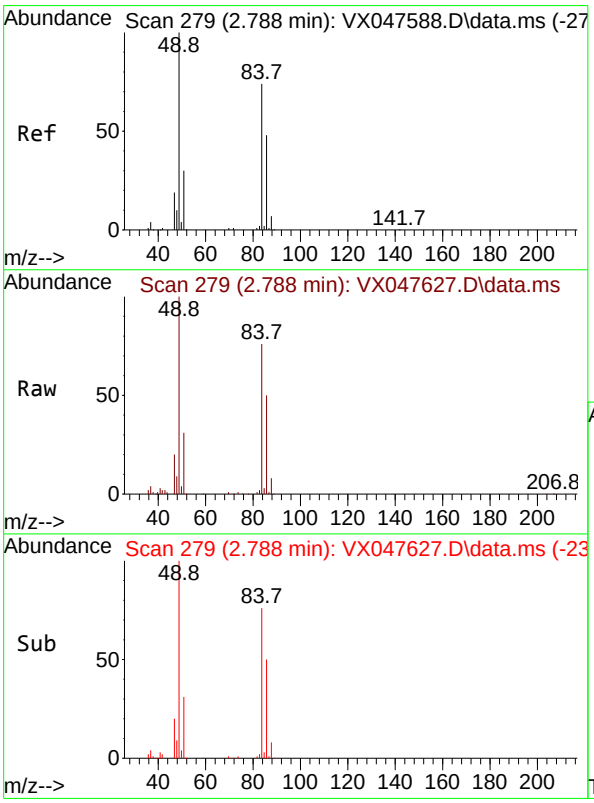
Ion	Ratio	Lower	Upper
73	100		
57	22.8	17.4	26.2



Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MS

Manual Integrations
APPROVED

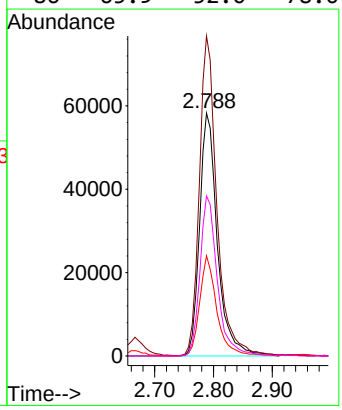
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

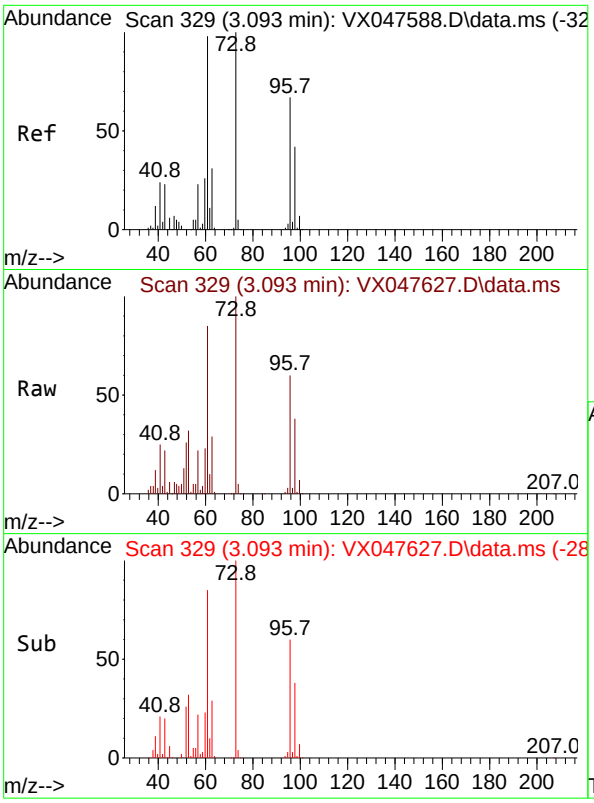


#20
Methylene Chloride
Concen: 52.612 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX047627.D
Acq: 17 Sep 2025 18:19

Tgt Ion: 84 Resp: 122976

Ion	Ratio	Lower	Upper
84	100		
49	131.6	108.6	162.8
51	41.2	32.6	48.8
86	65.9	52.0	78.0





#21
trans-1,2-Dichloroethene
Concen: 51.656 ug/l
RT: 3.093 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX047627.D
Acq: 17 Sep 2025 18:19

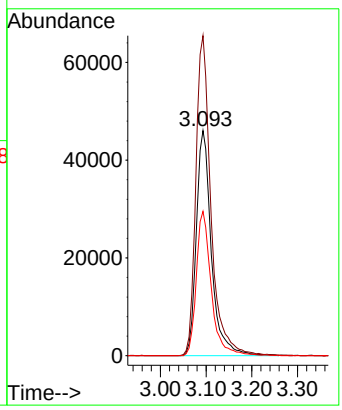
Tgt Ion: 96 Resp: 10542

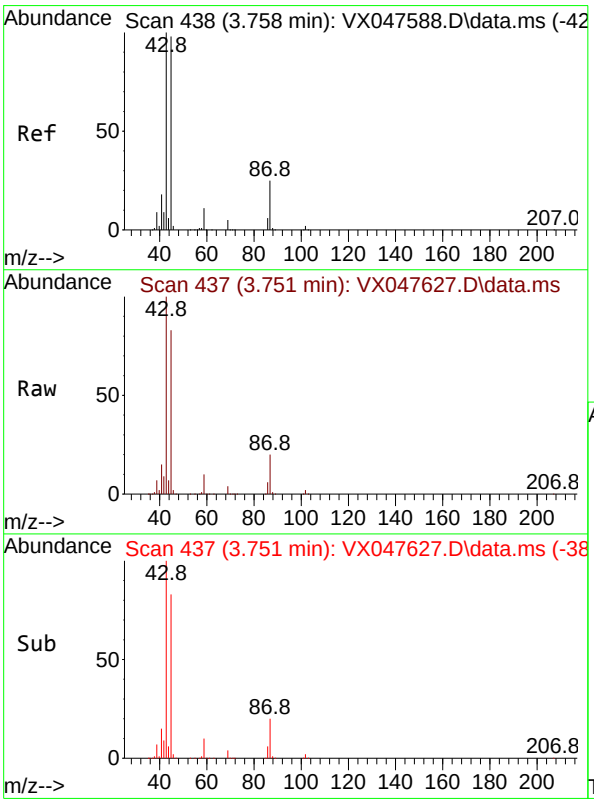
Ion	Ratio	Lower	Upper
96	100		
61	142.1	116.2	174.2
98	65.9	49.3	73.9

Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MS

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

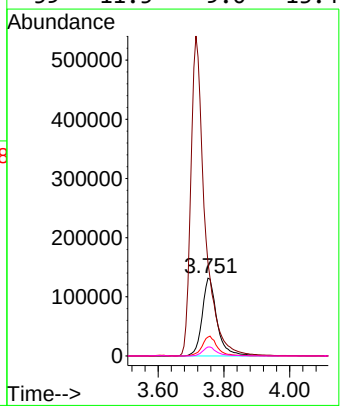


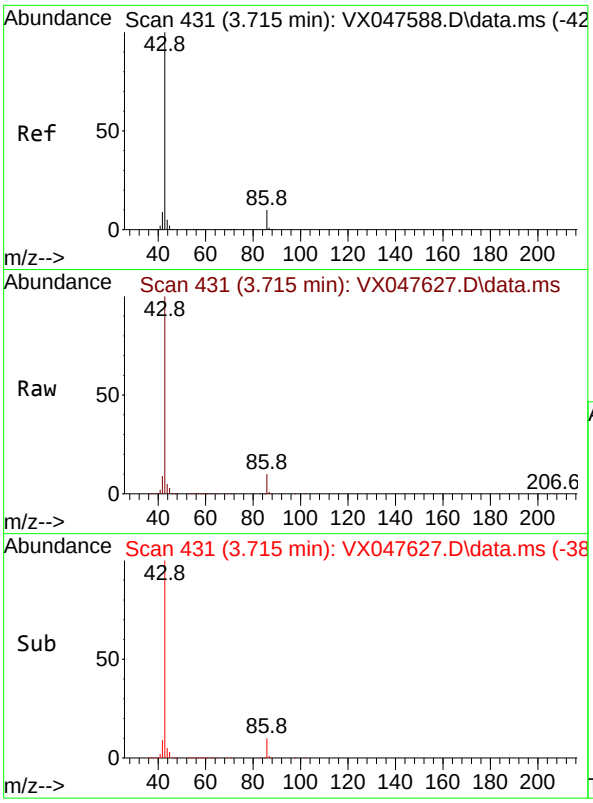


#22
Diisopropyl ether
Concen: 54.398 ug/l
RT: 3.751 min Scan# 437
Delta R.T. -0.006 min
Lab File: VX047627.D
Acq: 17 Sep 2025 18:19

Tgt Ion: 45 Resp: 412398

Ion	Ratio	Lower	Upper
45	100		
43	120.1	81.0	121.4
87	24.4	20.3	30.5
59	11.5	9.0	13.4

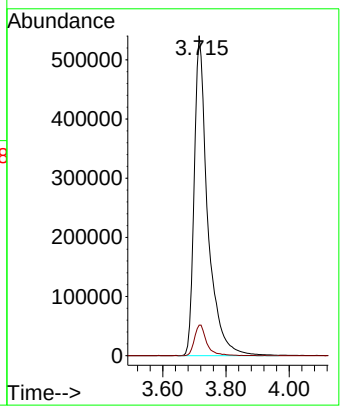




#23
Vinyl Acetate
Concen: 265.368 ug/l
RT: 3.715 min Scan# 4
Delta R.T. 0.000 min
Lab File: VX047627.D
Acq: 17 Sep 2025 18:19

Tgt Ion: 43 Resp: 161011

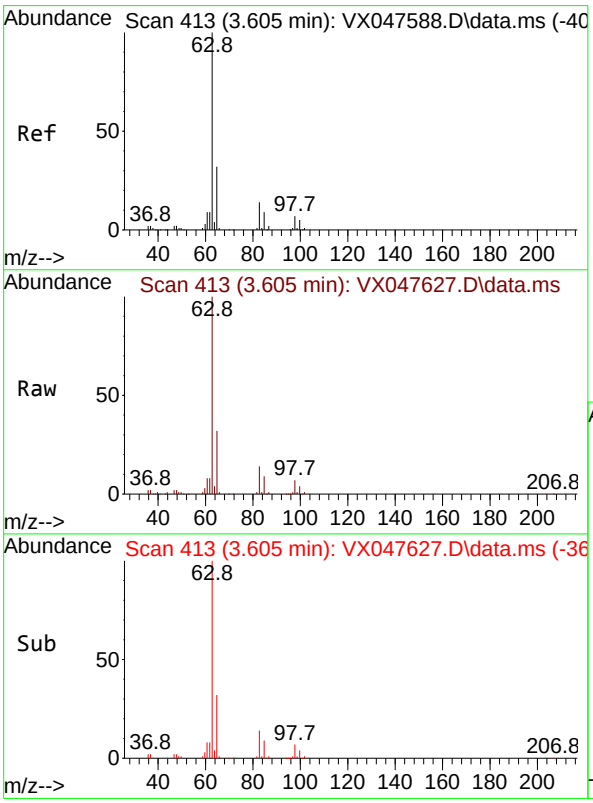
Ion	Ratio	Lower	Upper
43	100		
86	9.5	7.8	11.8



Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MS

Manual Integrations
APPROVED

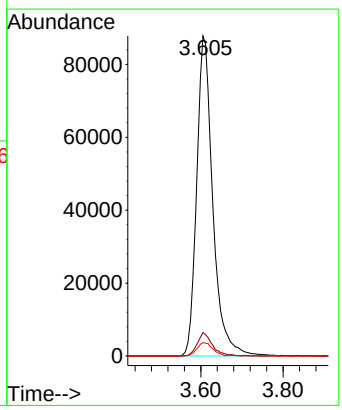
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

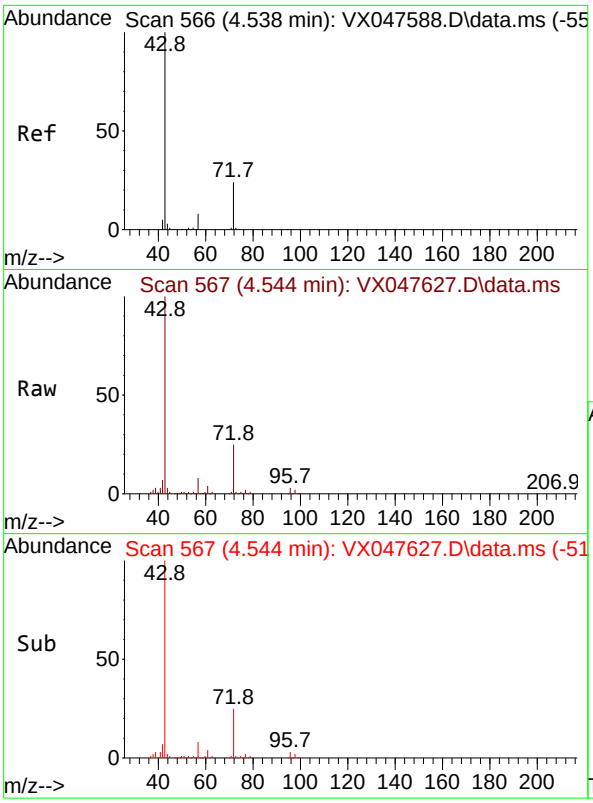


#24
1,1-Dichloroethane
Concen: 59.250 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX047627.D
Acq: 17 Sep 2025 18:19

Tgt Ion: 63 Resp: 238744

Ion	Ratio	Lower	Upper
63	100		
98	7.9	3.8	11.2
100	4.2	2.3	6.9





#25
2-Butanone
Concen: 294.707 ug/l
RT: 4.544 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX047627.D
Acq: 17 Sep 2025 18:19

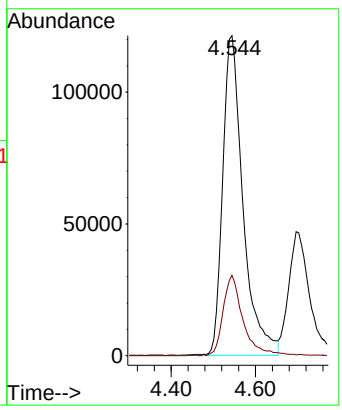
Tgt Ion: 43 Resp: 40593

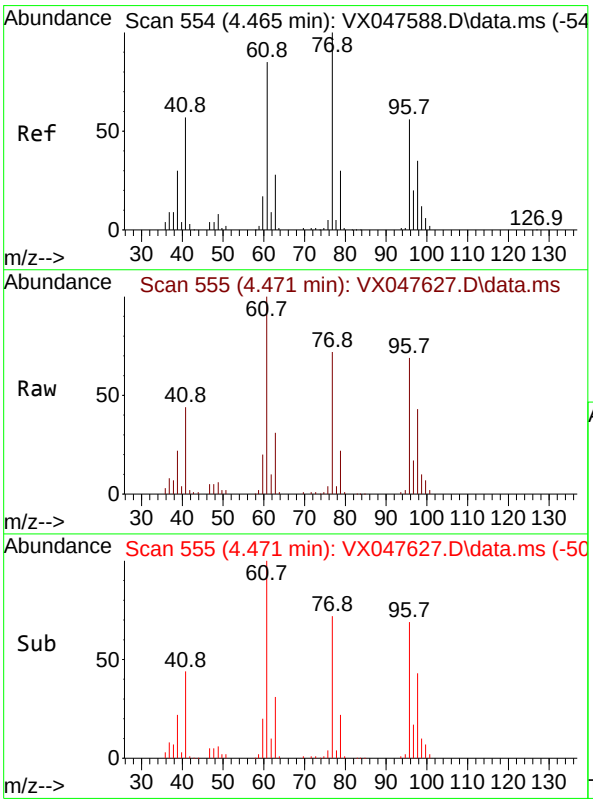
Ion	Ratio	Lower	Upper
43	100		
72	25.2	20.1	30.1

Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MS

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

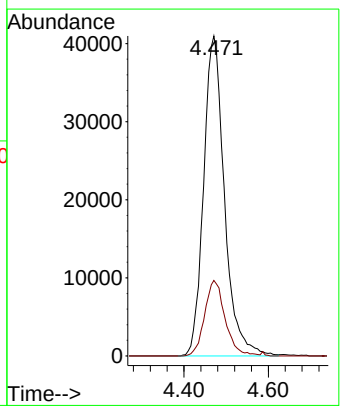


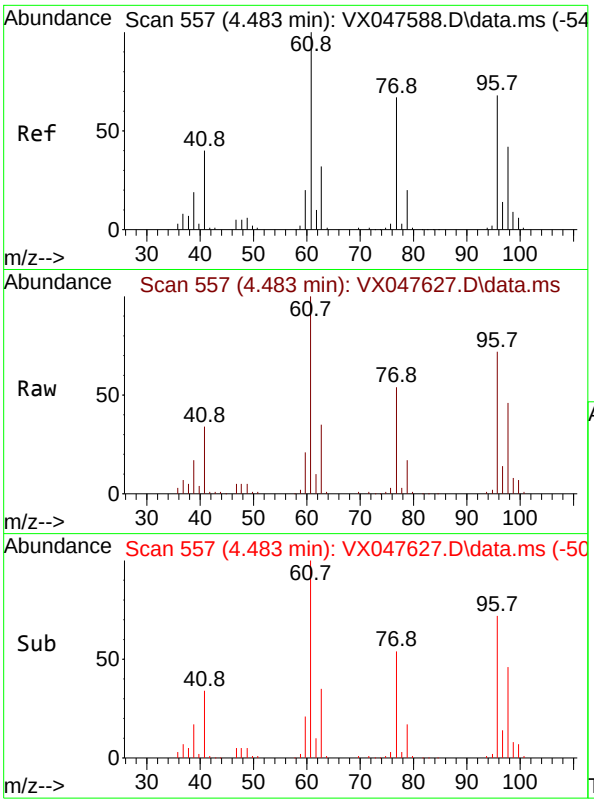


#26
2,2-Dichloropropane
Concen: 42.085 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX047627.D
Acq: 17 Sep 2025 18:19

Tgt Ion: 77 Resp: 140962

Ion	Ratio	Lower	Upper
77	100		
97	23.1	10.9	32.7

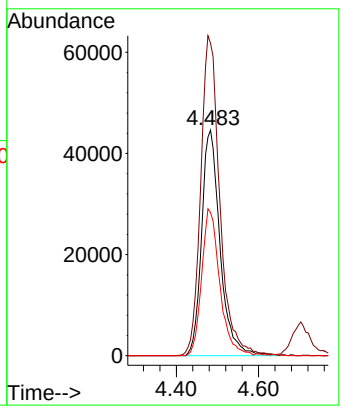




#27
cis-1,2-Dichloroethene
Concen: 55.625 ug/l
RT: 4.483 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX047627.D
Acq: 17 Sep 2025 18:19

Tgt Ion: 96 Resp: 13903

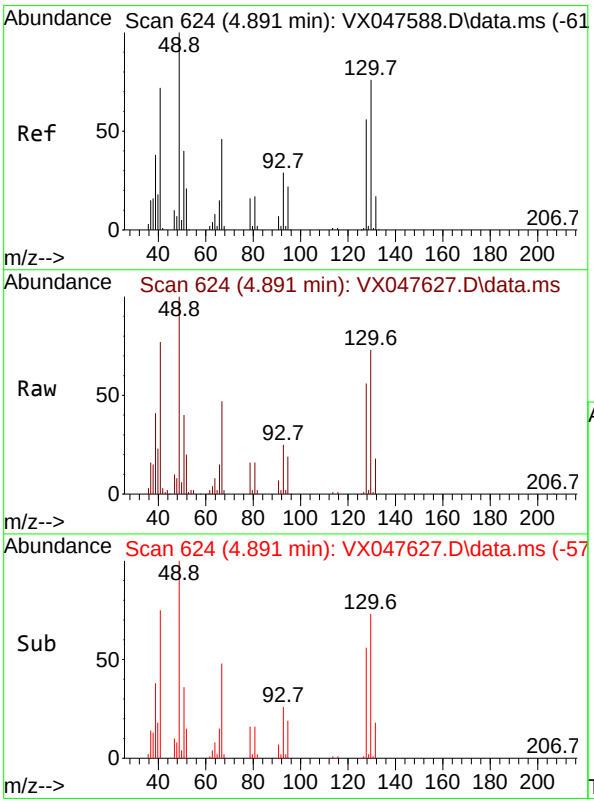
Ion	Ratio	Lower	Upper
96	100		
61	146.7	0.0	303.2
98	63.6	0.0	127.8



Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MS

Manual Integrations
APPROVED

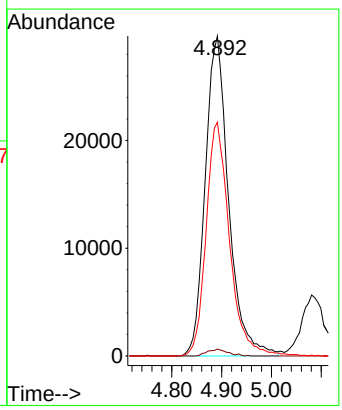
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

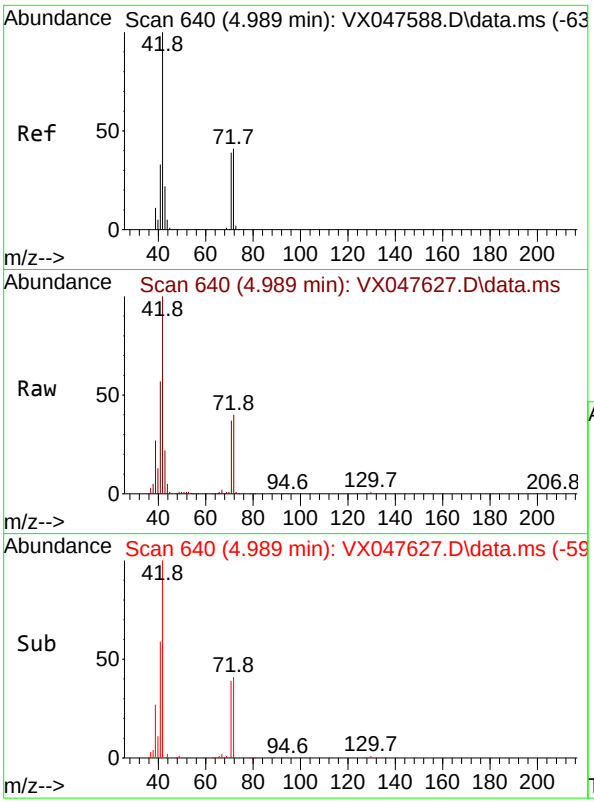


#28
Bromochloromethane
Concen: 55.060 ug/l
RT: 4.891 min Scan# 624
Delta R.T. 0.000 min
Lab File: VX047627.D
Acq: 17 Sep 2025 18:19

Tgt Ion: 49 Resp: 96857

Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.2
130	73.2	57.8	86.8





#29
Tetrahydrofuran
Concen: 309.979 ug/l
RT: 4.989 min Scan# 64
Delta R.T. 0.000 min
Lab File: VX047627.D
Acq: 17 Sep 2025 18:19

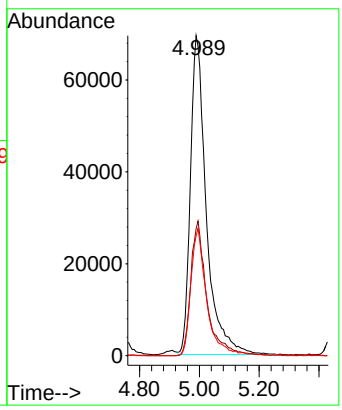
Tgt Ion: 42 Resp: 25685

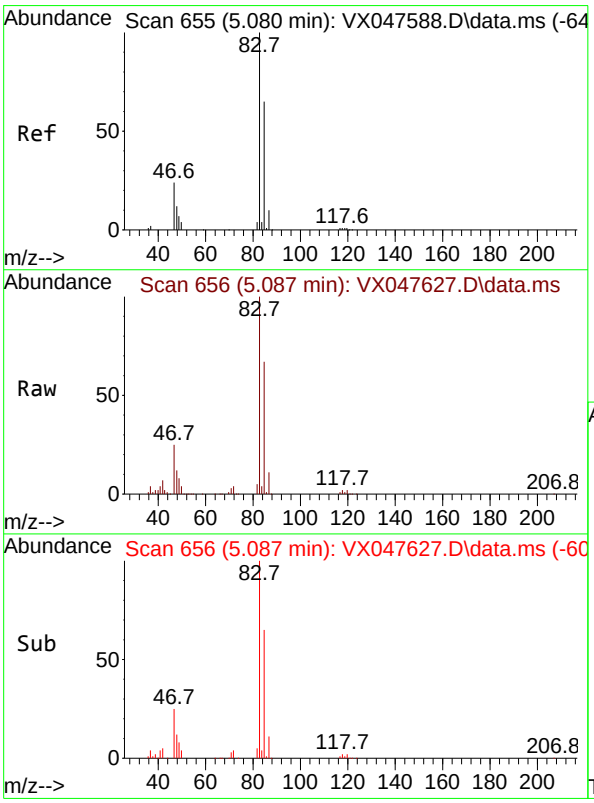
Ion	Ratio	Lower	Upper
42	100		
72	42.7	34.2	51.2
71	38.9	31.9	47.9

Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MS

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

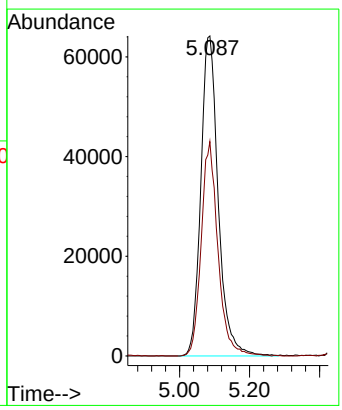


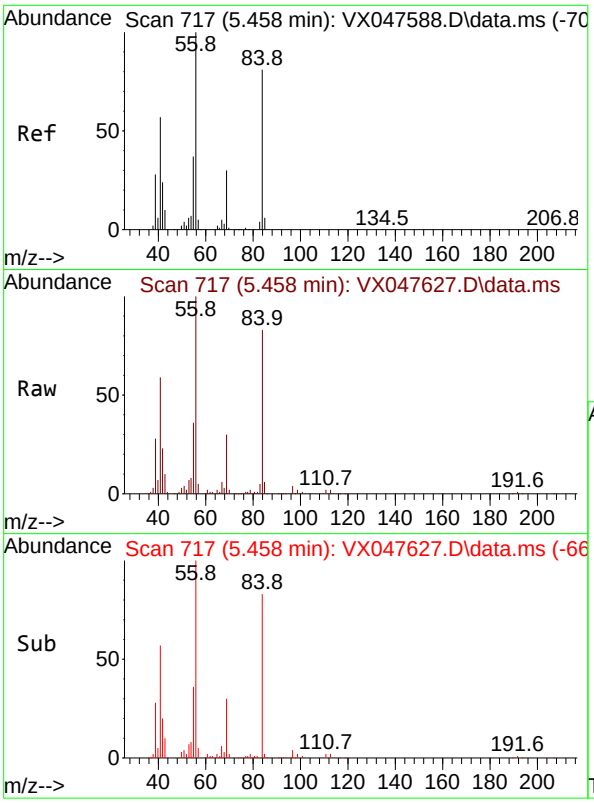


#30
Chloroform
Concen: 54.432 ug/l
RT: 5.087 min Scan# 656
Delta R.T. 0.006 min
Lab File: VX047627.D
Acq: 17 Sep 2025 18:19

Tgt Ion: 83 Resp: 221639

Ion	Ratio	Lower	Upper
83	100		
85	68.2	51.8	77.6





#31
Cyclohexane
Concen: 46.767 ug/l
RT: 5.458 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX047627.D
Acq: 17 Sep 2025 18:19

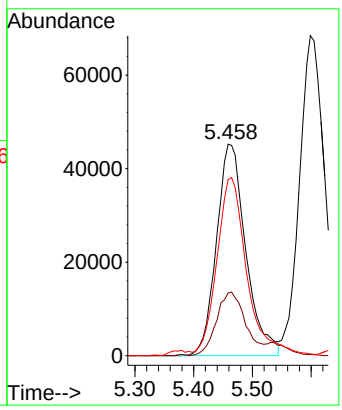
Tgt Ion: 56 Resp: 15695

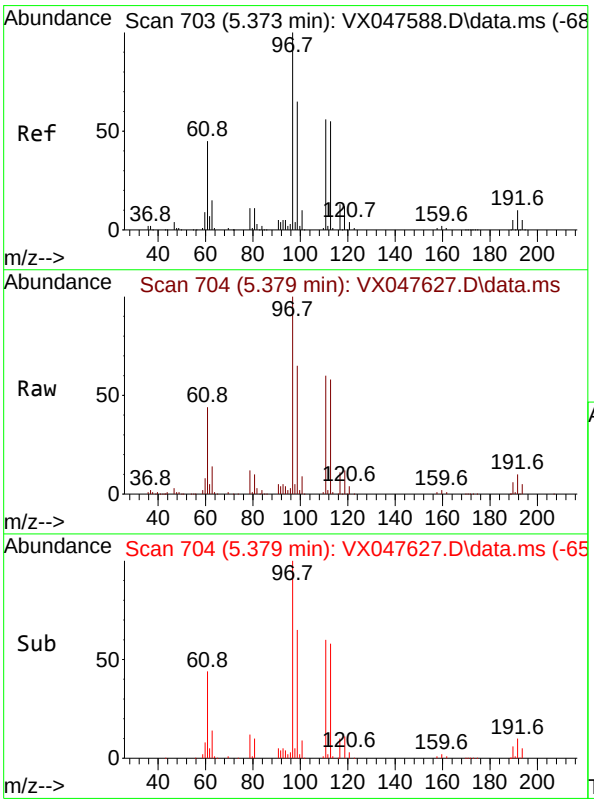
Ion	Ratio	Lower	Upper
56	100		
69	29.2	23.8	35.8
84	81.2	64.6	97.0

Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MS

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

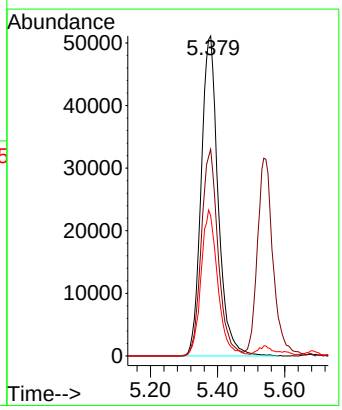


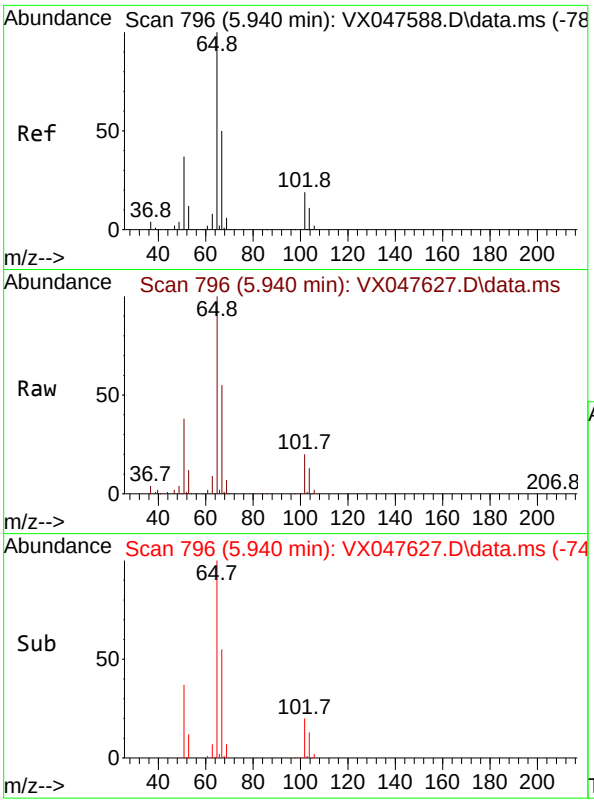


#32
1,1,1-Trichloroethane
Concen: 52.013 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX047627.D
Acq: 17 Sep 2025 18:19

Tgt Ion: 97 Resp: 179641

Ion	Ratio	Lower	Upper
97	100		
99	63.9	50.6	76.0
61	45.0	35.8	53.8

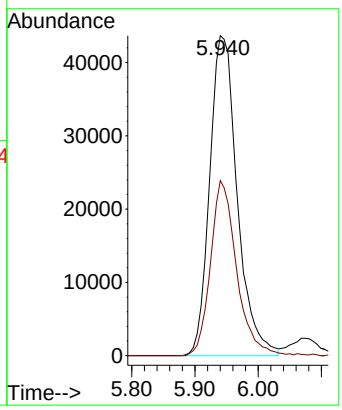




#33
1,2-Dichloroethane-d4
Concen: 51.955 ug/l
RT: 5.940 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX047627.D
Acq: 17 Sep 2025 18:19

Tgt Ion: 65 Resp: 13195

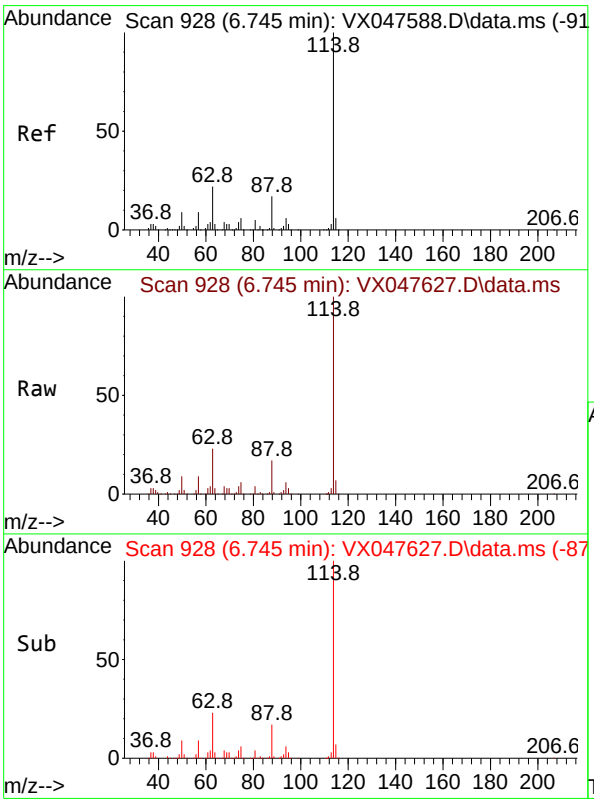
Ion	Ratio	Lower	Upper
65	100		
67	51.8	0.0	103.0



Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MS

Manual Integrations
APPROVED

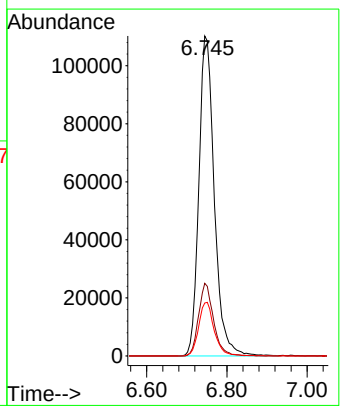
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

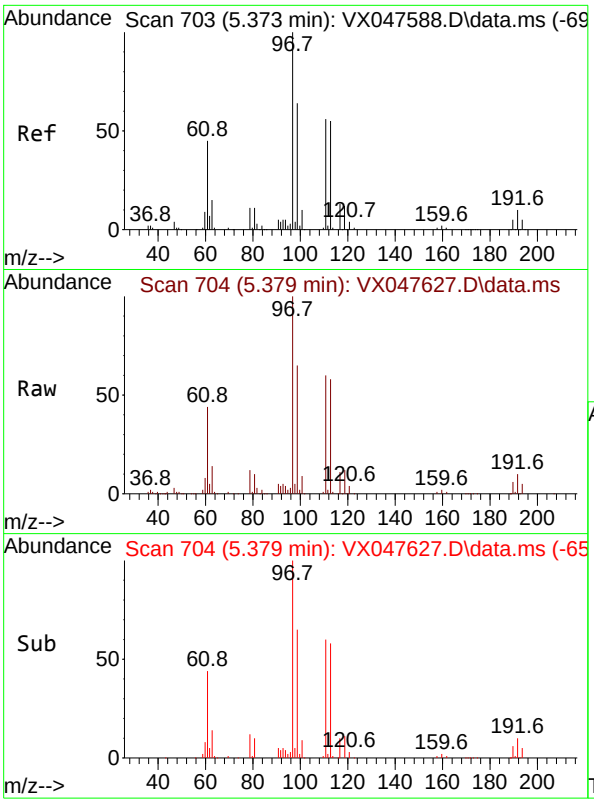


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 928
Delta R.T. 0.000 min
Lab File: VX047627.D
Acq: 17 Sep 2025 18:19

Tgt Ion:114 Resp: 295061

Ion	Ratio	Lower	Upper
114	100		
63	22.7	0.0	44.0
88	16.6	0.0	34.2

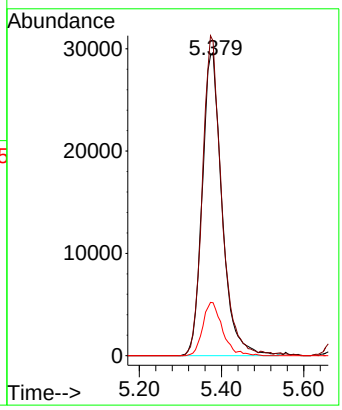




#35
Dibromofluoromethane
Concen: 50.050 ug/l
RT: 5.379 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047627.D
Acq: 17 Sep 2025 18:19

Tgt Ion:113 Resp: 9904

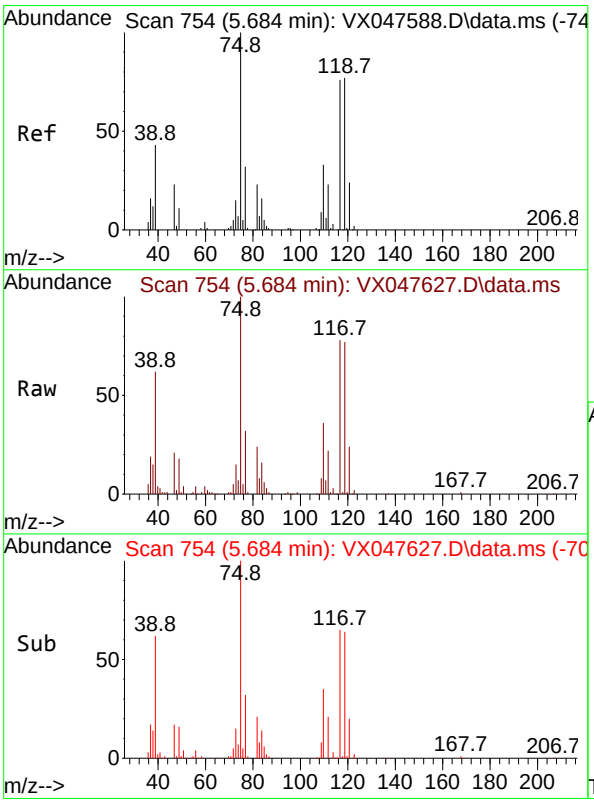
Ion	Ratio	Lower	Upper
113	100		
111	101.6	80.9	121.3
192	17.4	14.2	21.4



Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MS

Manual Integrations
APPROVED

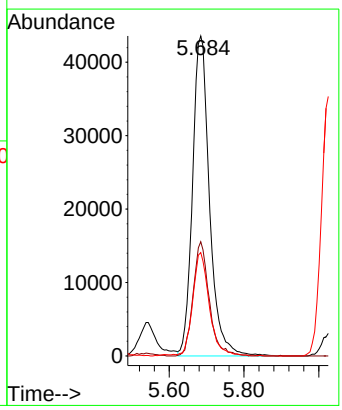
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

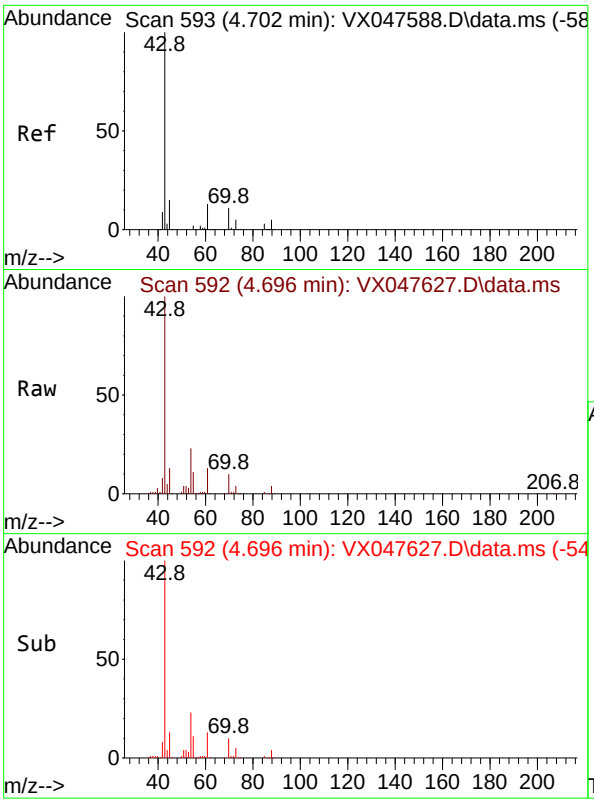


#36
1,1-Dichloropropene
Concen: 47.585 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.000 min
Lab File: VX047627.D
Acq: 17 Sep 2025 18:19

Tgt Ion: 75 Resp: 137596

Ion	Ratio	Lower	Upper
75	100		
110	33.8	16.7	50.1
77	31.6	24.3	36.5





#37
Ethyl Acetate
Concen: 52.427 ug/l
RT: 4.696 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX047627.D
Acq: 17 Sep 2025 18:19

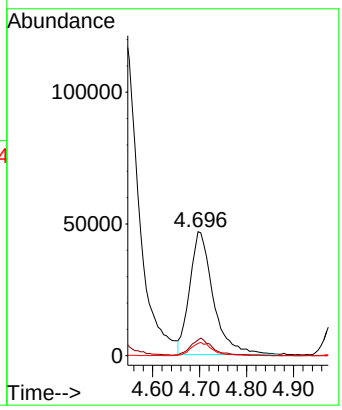
Tgt Ion: 43 Resp: 16231

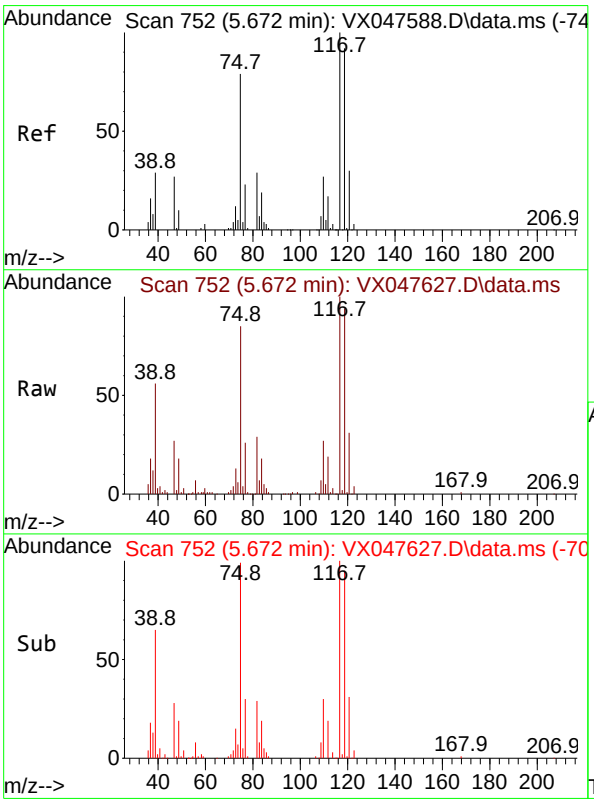
Ion	Ratio	Lower	Upper
43	100		
61	13.5	9.8	14.8
70	9.9	7.9	11.9

Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MS

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

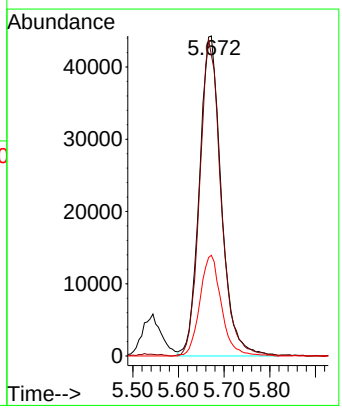


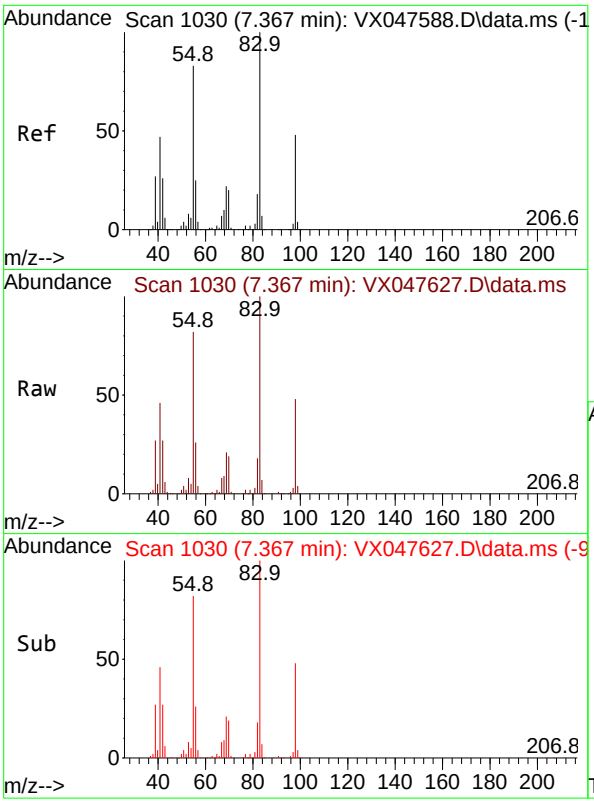


#38
Carbon Tetrachloride
Concen: 46.940 ug/l
RT: 5.672 min Scan# 752
Delta R.T. 0.000 min
Lab File: VX047627.D
Acq: 17 Sep 2025 18:19

Tgt Ion:117 Resp: 147471

Ion	Ratio	Lower	Upper
117	100		
119	93.9	73.4	110.2
121	31.5	23.8	35.6





#39
Methylcyclohexane
Concen: 44.583 ug/l
RT: 7.367 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047627.D
Acq: 17 Sep 2025 18:19

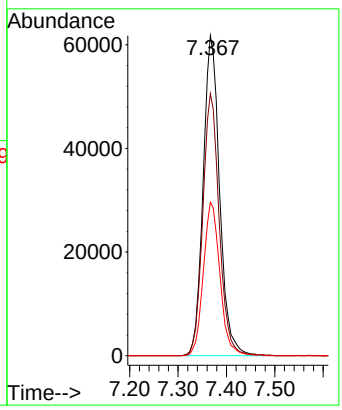
Tgt Ion: 83 Resp: 14633

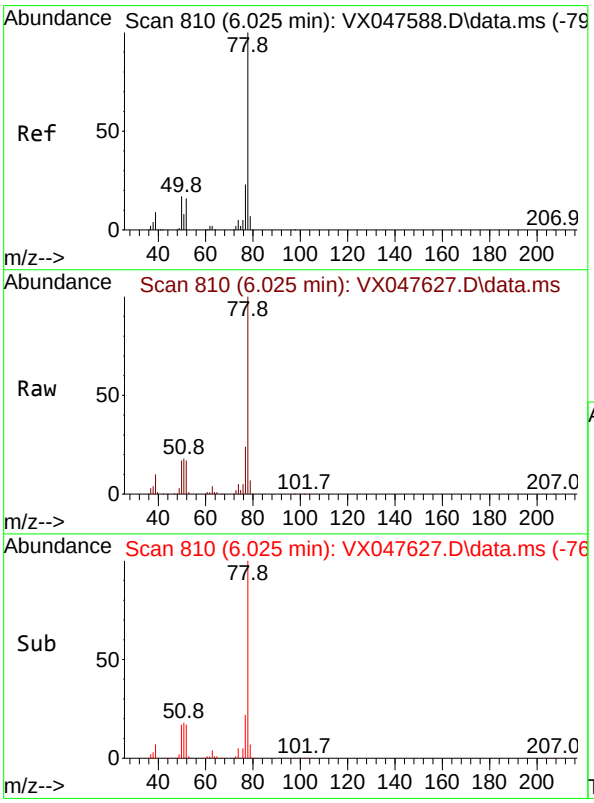
Ion	Ratio	Lower	Upper
83	100		
55	81.8	66.4	99.6
98	47.9	38.1	57.1

Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MS

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

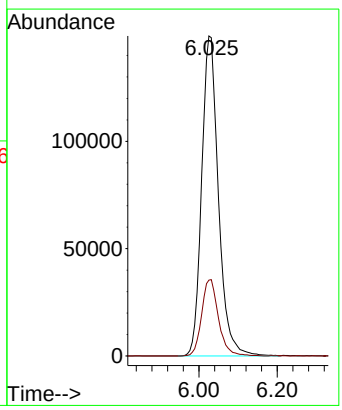


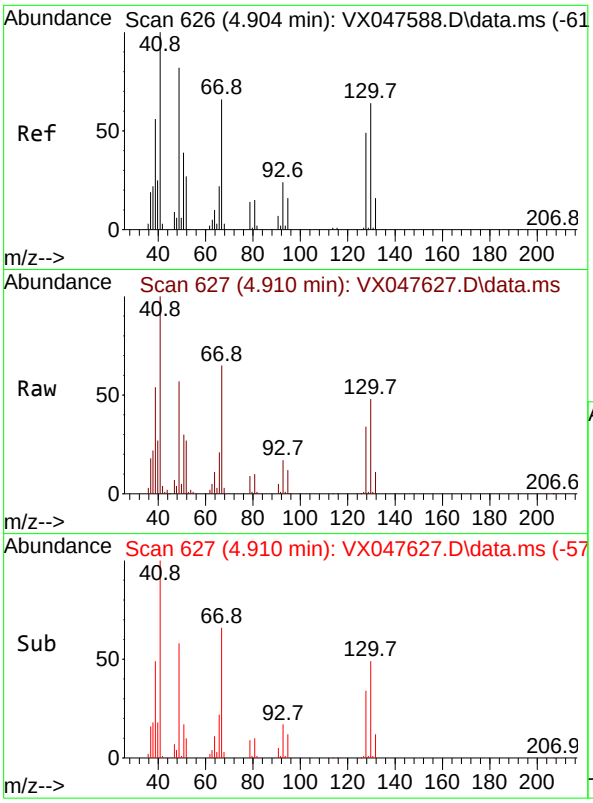


#40
Benzene
Concen: 50.326 ug/l
RT: 6.025 min Scan# 810
Delta R.T. 0.000 min
Lab File: VX047627.D
Acq: 17 Sep 2025 18:19

Tgt Ion: 78 Resp: 441979

Ion	Ratio	Lower	Upper
78	100		
77	23.7	18.8	28.2

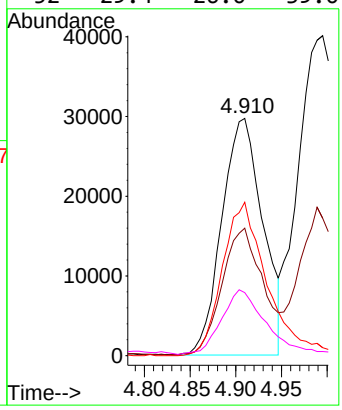




#41
Methacrylonitrile
Concen: 58.127 ug/l
RT: 4.910 min Scan# 6
Delta R.T. 0.006 min
Lab File: VX047627.D
Acq: 17 Sep 2025 18:19

Tgt Ion: 41 Resp: 9290

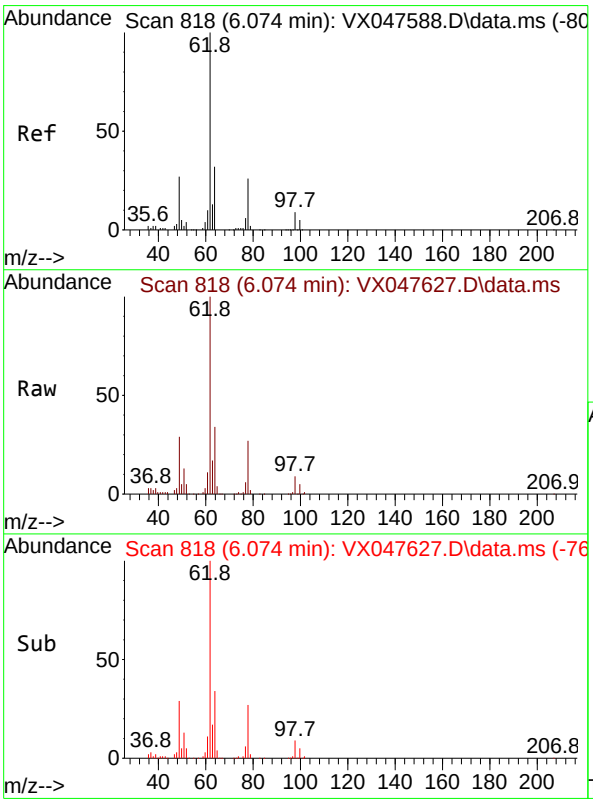
Ion	Ratio	Lower	Upper
41	100		
39	53.0	43.3	64.9
67	72.9	58.6	87.8
52	29.4	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MS

Manual Integrations
APPROVED

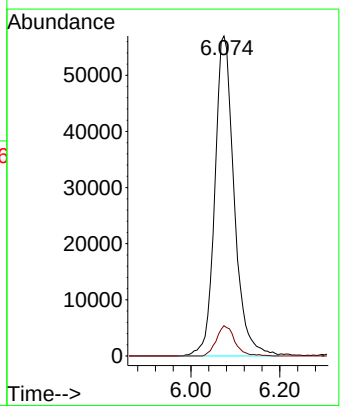
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

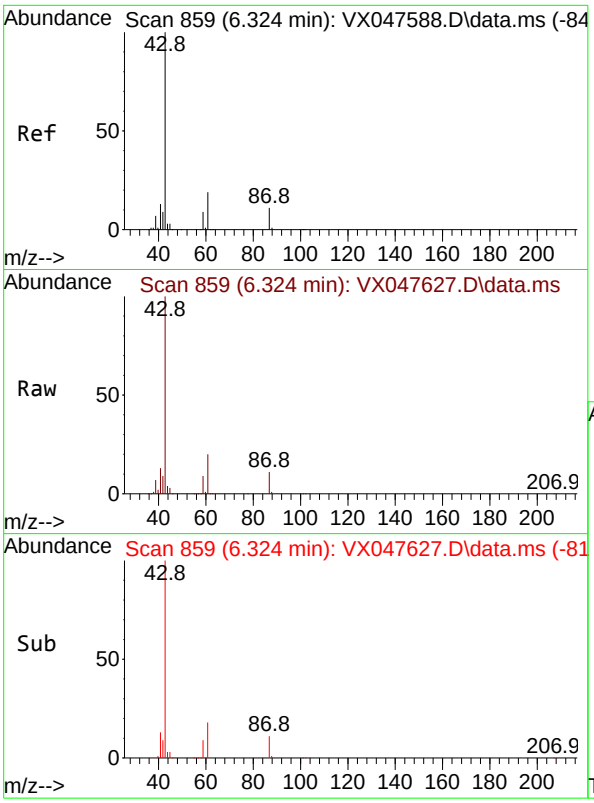


#42
1,2-Dichloroethane
Concen: 51.392 ug/l
RT: 6.074 min Scan# 818
Delta R.T. 0.000 min
Lab File: VX047627.D
Acq: 17 Sep 2025 18:19

Tgt Ion: 62 Resp: 171730

Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	17.0

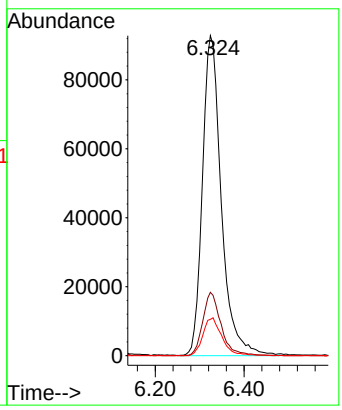




#43
Isopropyl Acetate
Concen: 54.235 ug/l
RT: 6.324 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX047627.D
Acq: 17 Sep 2025 18:19

Tgt Ion: 43 Resp: 27539

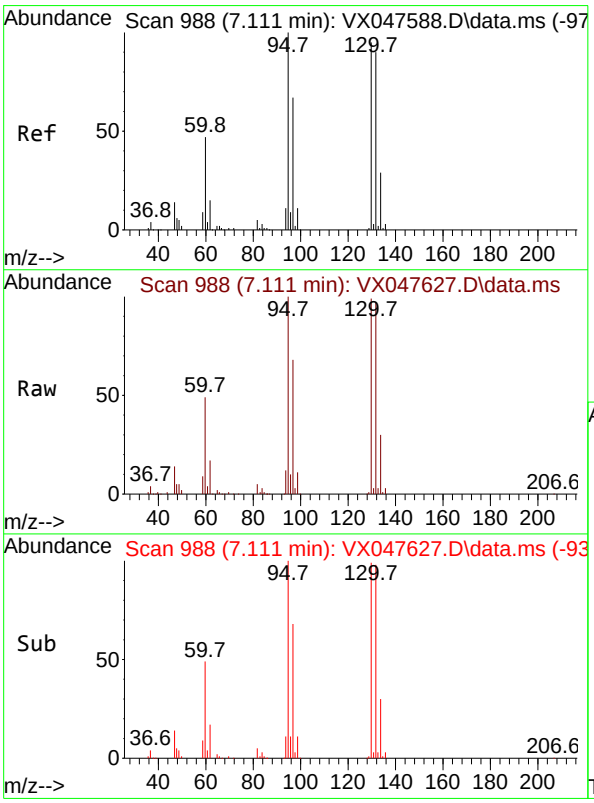
Ion	Ratio	Lower	Upper
43	100		
61	19.2	15.2	22.8
87	11.9	9.6	14.4



Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MS

Manual Integrations
APPROVED

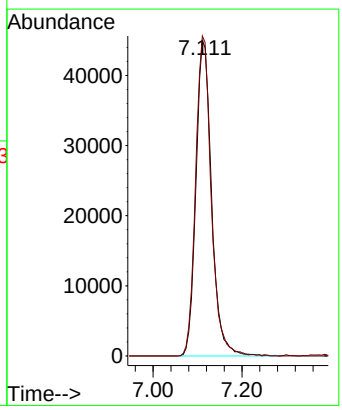
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

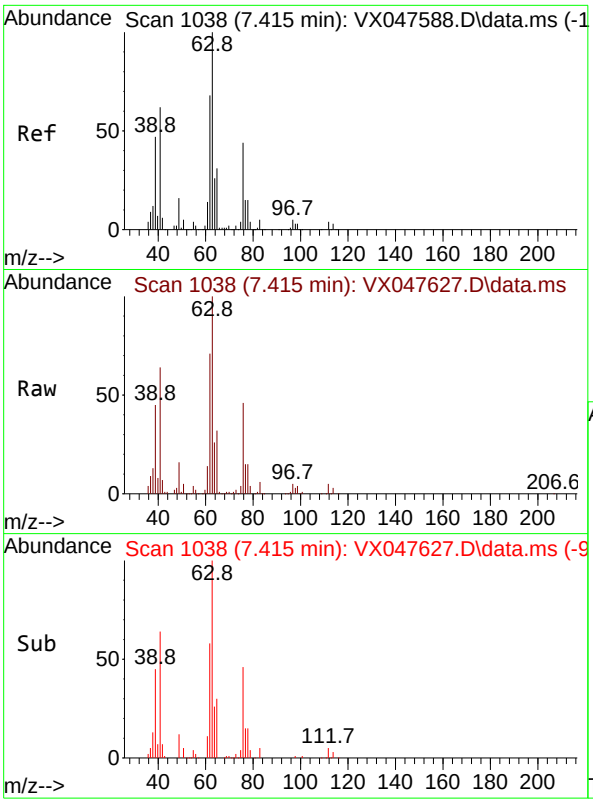


#44
Trichloroethene
Concen: 51.881 ug/l
RT: 7.111 min Scan# 988
Delta R.T. 0.000 min
Lab File: VX047627.D
Acq: 17 Sep 2025 18:19

Tgt Ion:130 Resp: 110156

Ion	Ratio	Lower	Upper
130	100		
95	101.5	0.0	210.8

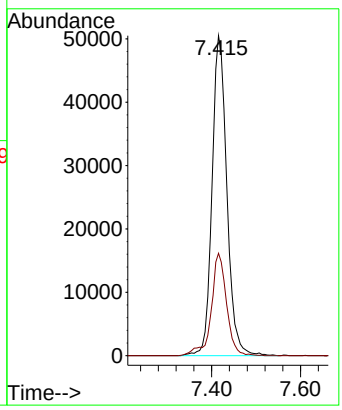




#45
1,2-Dichloropropane
Concen: 51.866 ug/l
RT: 7.415 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047627.D
Acq: 17 Sep 2025 18:19

Tgt Ion: 63 Resp: 11663

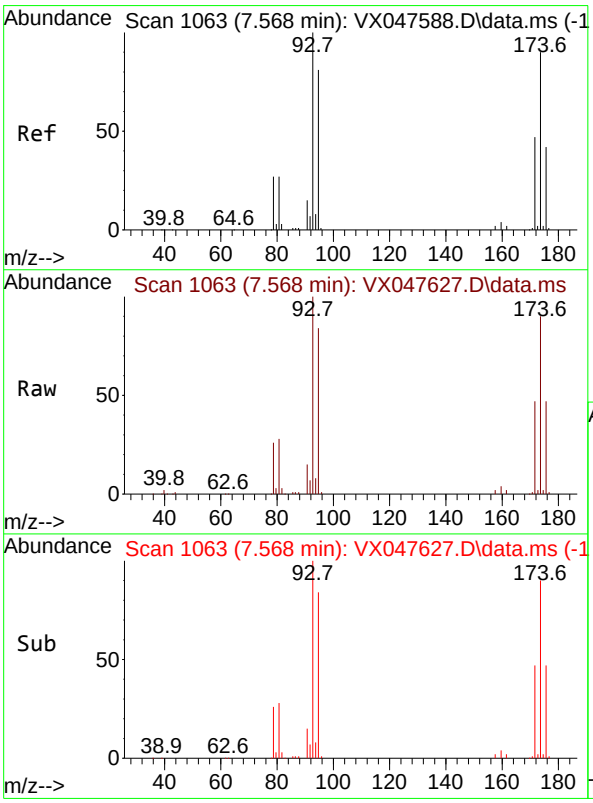
Ion	Ratio	Lower	Upper
63	100		
65	32.0	24.7	37.1



Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MS

Manual Integrations
APPROVED

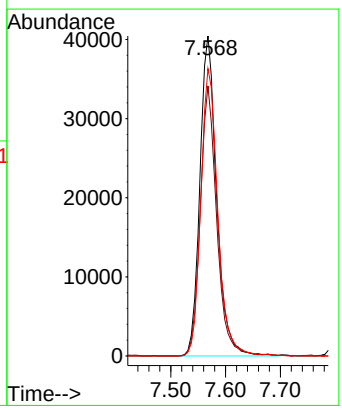
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

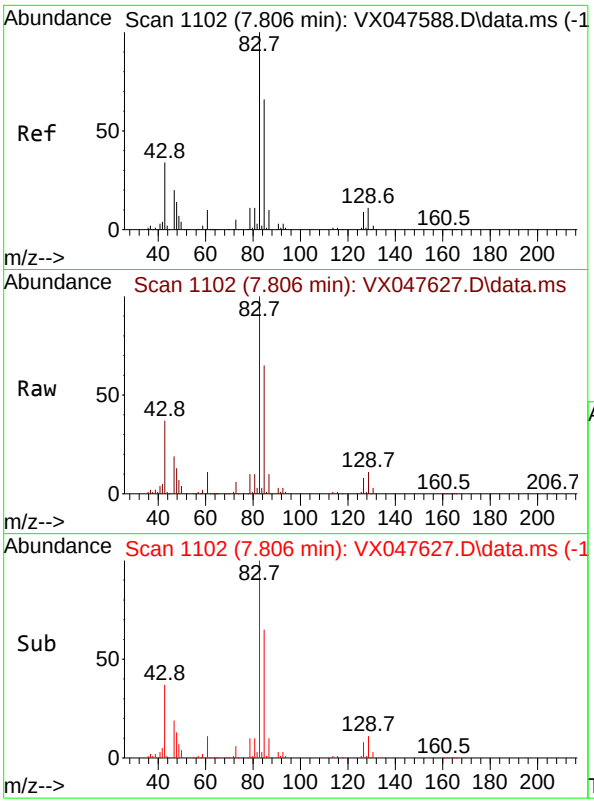


#46
Dibromomethane
Concen: 52.488 ug/l
RT: 7.568 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VX047627.D
Acq: 17 Sep 2025 18:19

Tgt Ion: 93 Resp: 85895

Ion	Ratio	Lower	Upper
93	100		
95	82.4	65.0	97.6
174	90.8	71.6	107.4

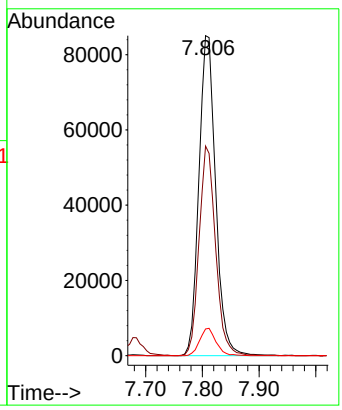




#47
Bromodichloromethane
Concen: 51.679 ug/l
RT: 7.806 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047627.D
Acq: 17 Sep 2025 18:19

Tgt Ion: 83 Resp: 17451

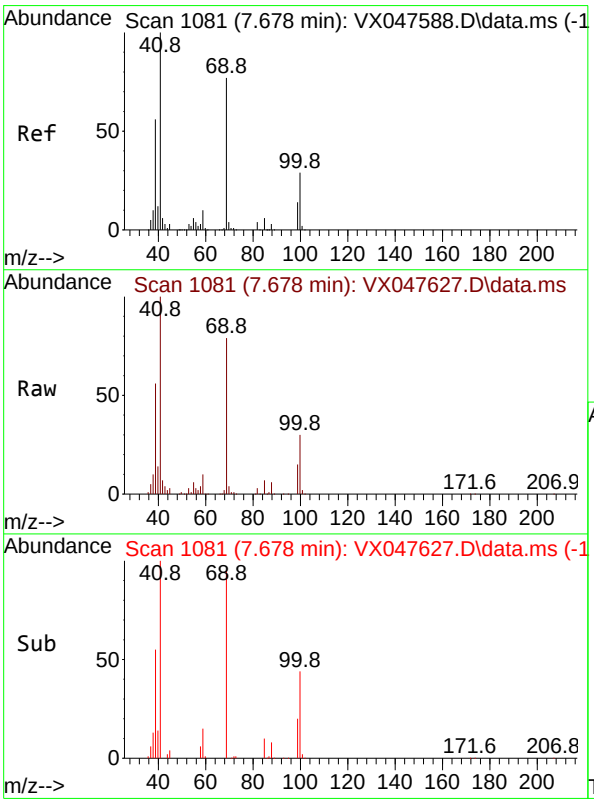
Ion	Ratio	Lower	Upper
83	100		
85	65.5	52.5	78.7
127	8.4	6.9	10.3



Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MS

Manual Integrations
APPROVED

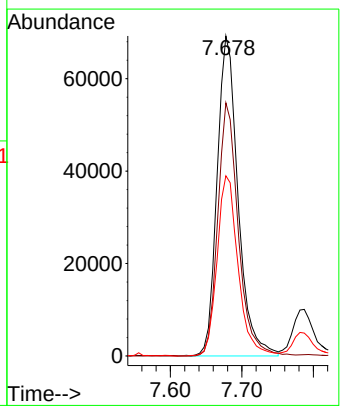
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

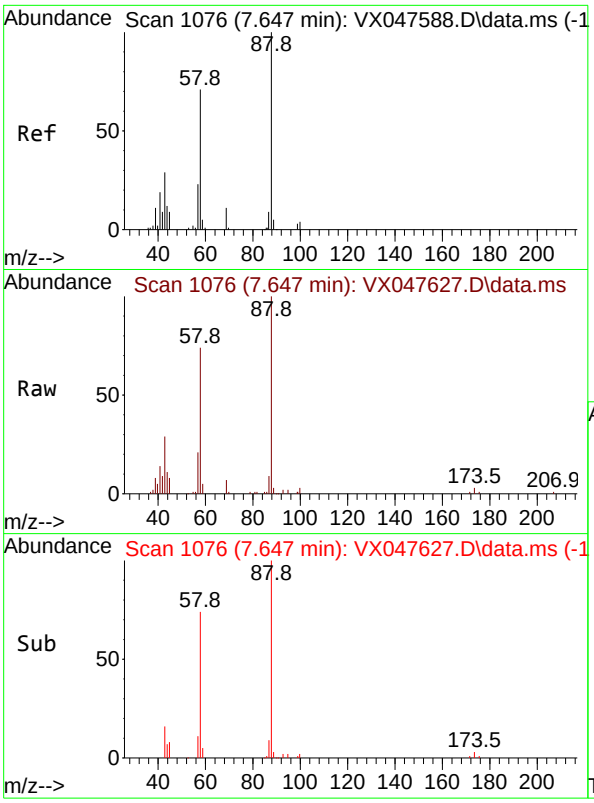


#48
Methyl methacrylate
Concen: 55.700 ug/l
RT: 7.678 min Scan# 1081
Delta R.T. 0.000 min
Lab File: VX047627.D
Acq: 17 Sep 2025 18:19

Tgt Ion: 41 Resp: 140879

Ion	Ratio	Lower	Upper
41	100		
69	77.5	61.4	92.2
39	56.6	45.8	68.6

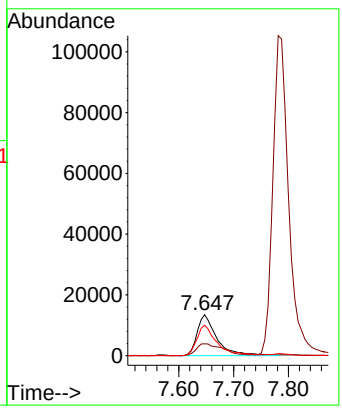




#49
1,4-Dioxane
Concen: 1327.269 ug/l
RT: 7.647 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047627.D
Acq: 17 Sep 2025 18:19

Tgt Ion: 88 Resp: 3392

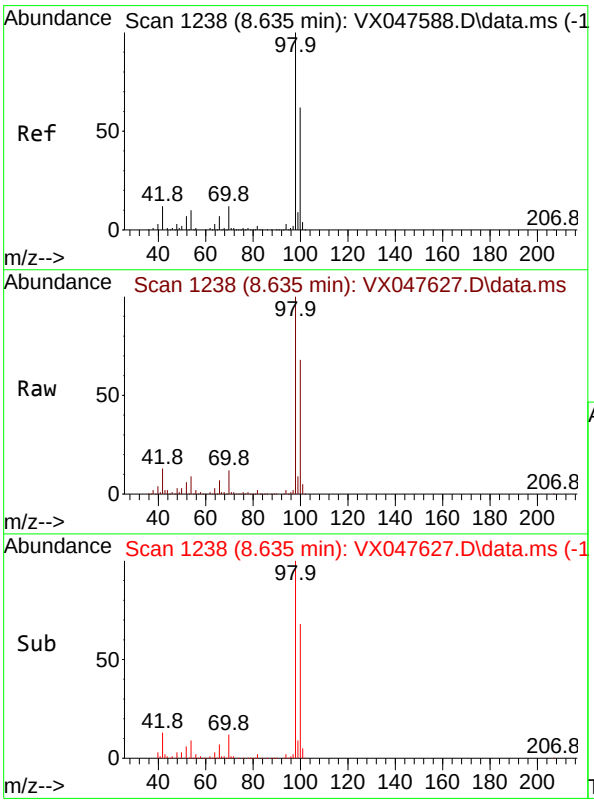
Ion	Ratio	Lower	Upper
88	100		
43	39.8	30.2	45.2
58	75.2	59.5	89.3



Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MS

Manual Integrations
APPROVED

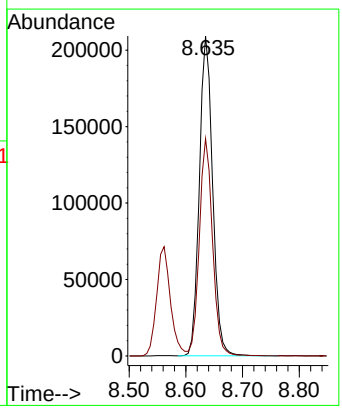
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

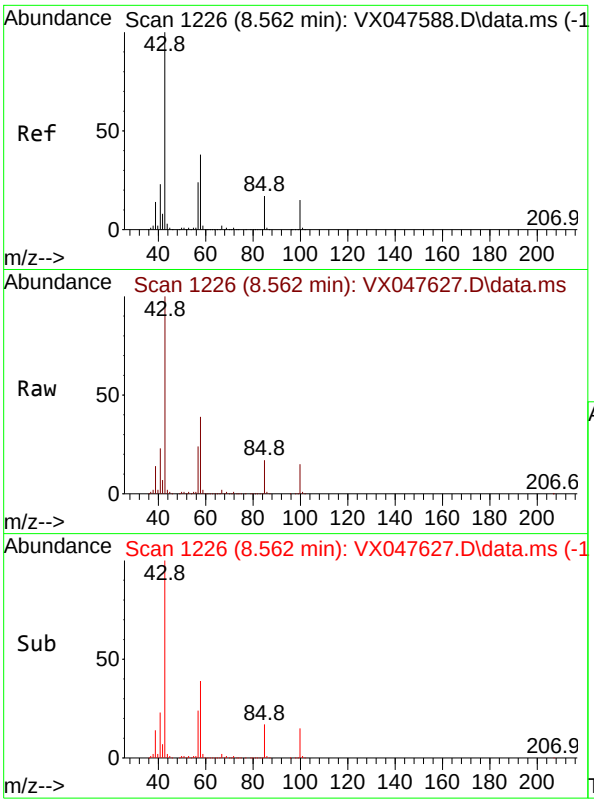


#50
Toluene-d8
Concen: 49.584 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. 0.000 min
Lab File: VX047627.D
Acq: 17 Sep 2025 18:19

Tgt Ion: 98 Resp: 339508

Ion	Ratio	Lower	Upper
98	100		
100	67.3	53.0	79.4

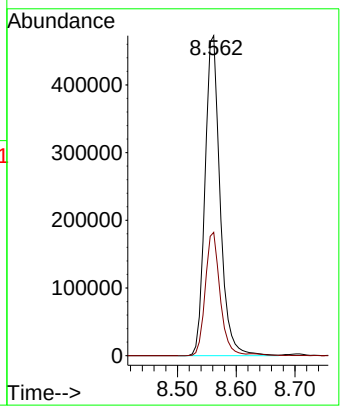




#51
4-Methyl-2-Pentanone
Concen: 299.390 ug/l
RT: 8.562 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047627.D
Acq: 17 Sep 2025 18:19

Tgt Ion: 43 Resp: 84286

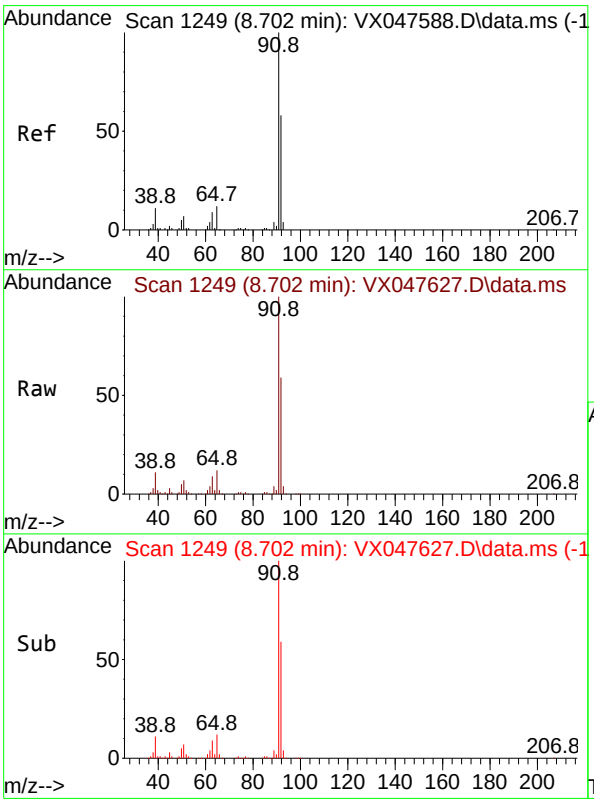
Ion	Ratio	Lower	Upper
43	100		
58	38.5	30.3	45.5



Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MS

Manual Integrations
APPROVED

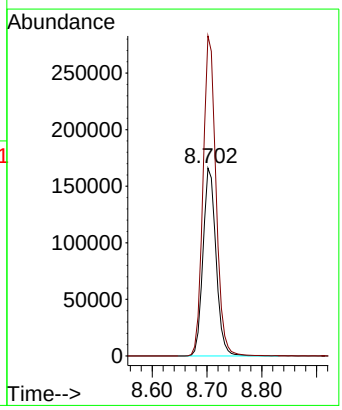
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

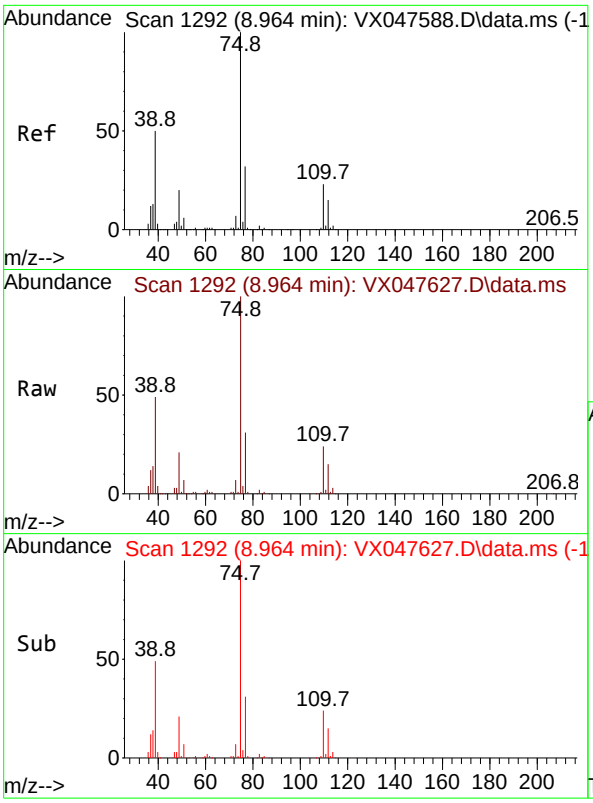


#52
Toluene
Concen: 50.424 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. 0.000 min
Lab File: VX047627.D
Acq: 17 Sep 2025 18:19

Tgt Ion: 92 Resp: 272836

Ion	Ratio	Lower	Upper
92	100		
91	169.6	137.1	205.7

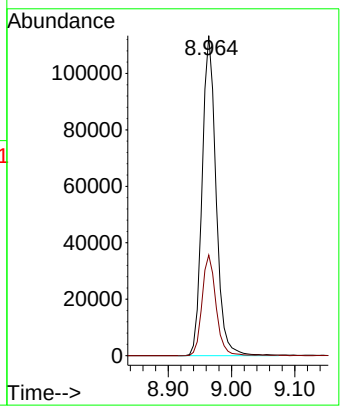




#53
t-1,3-Dichloropropene
Concen: 50.406 ug/l
RT: 8.964 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047627.D
Acq: 17 Sep 2025 18:19

Tgt Ion: 75 Resp: 17362

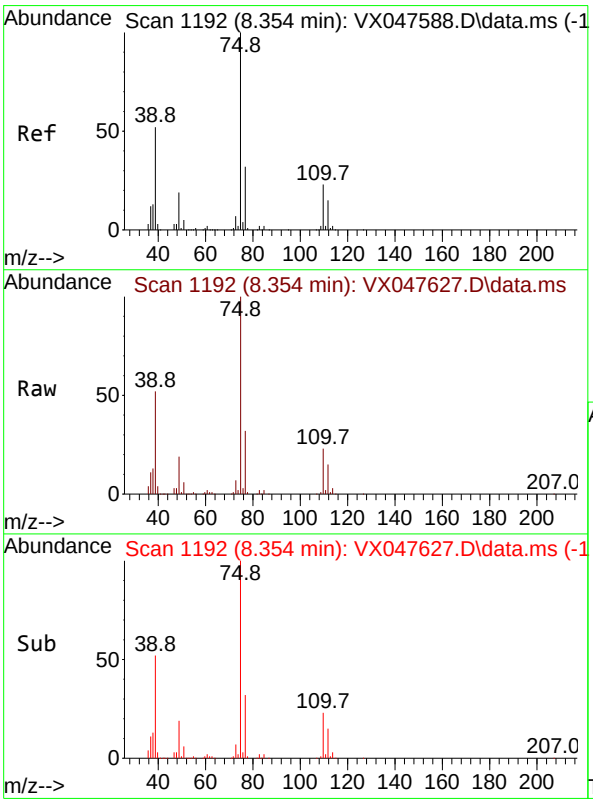
Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.4	38.2



Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MS

Manual Integrations
APPROVED

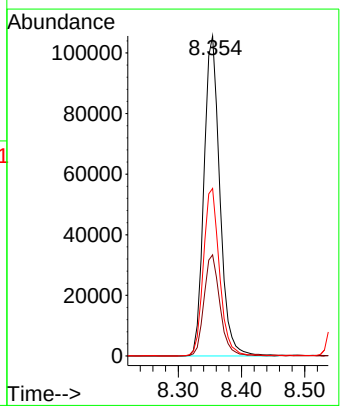
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

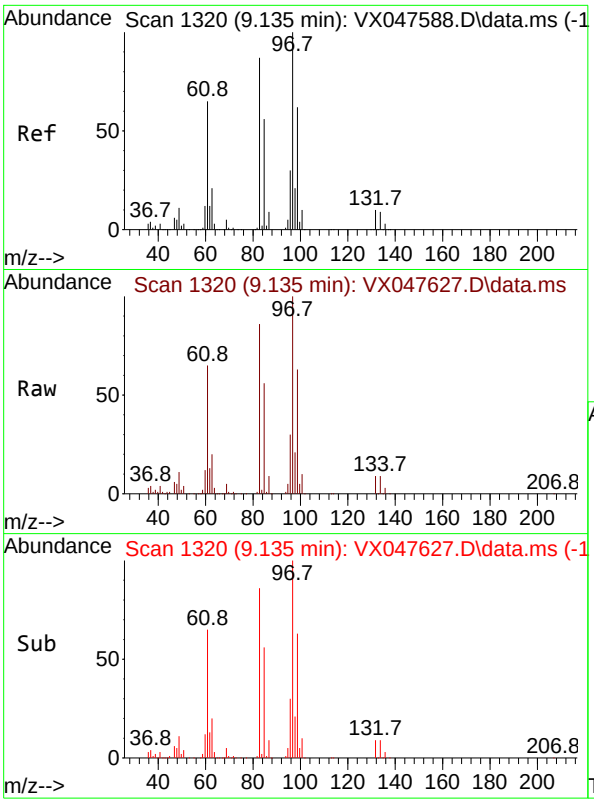


#54
cis-1,3-Dichloropropene
Concen: 50.114 ug/l
RT: 8.354 min Scan# 1192
Delta R.T. 0.000 min
Lab File: VX047627.D
Acq: 17 Sep 2025 18:19

Tgt Ion: 75 Resp: 184506

Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.8	38.6
39	51.6	41.4	62.2

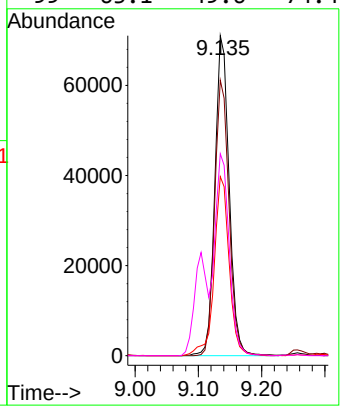




#55
1,1,2-Trichloroethane
Concen: 53.196 ug/l
RT: 9.135 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047627.D
Acq: 17 Sep 2025 18:19

Tgt Ion: 97 Resp: 11098

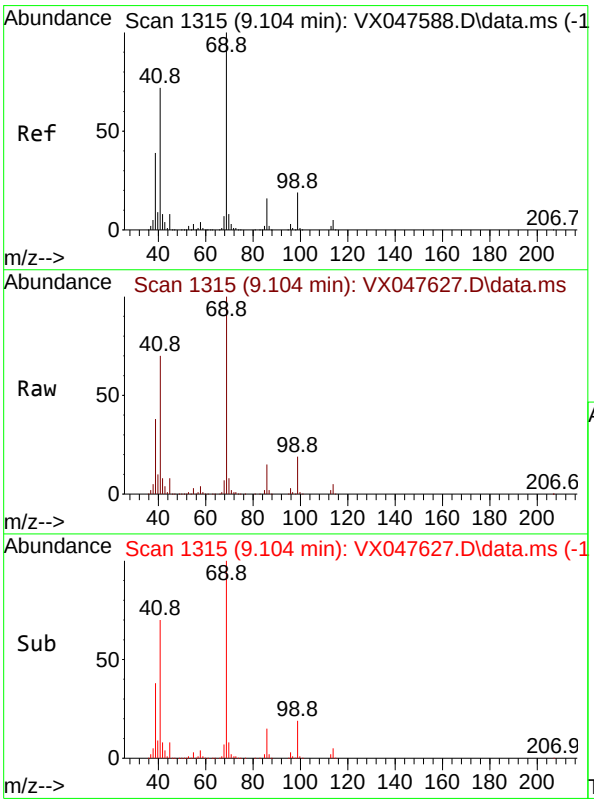
Ion	Ratio	Lower	Upper
97	100		
83	86.1	69.6	104.4
85	55.9	45.0	67.6
99	63.1	49.6	74.4



Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MS

Manual Integrations
APPROVED

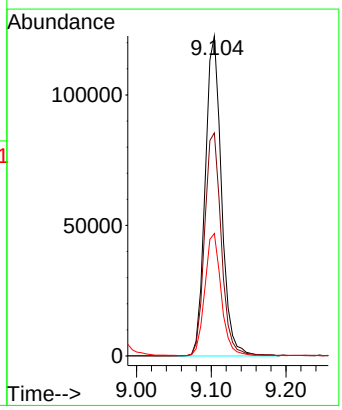
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

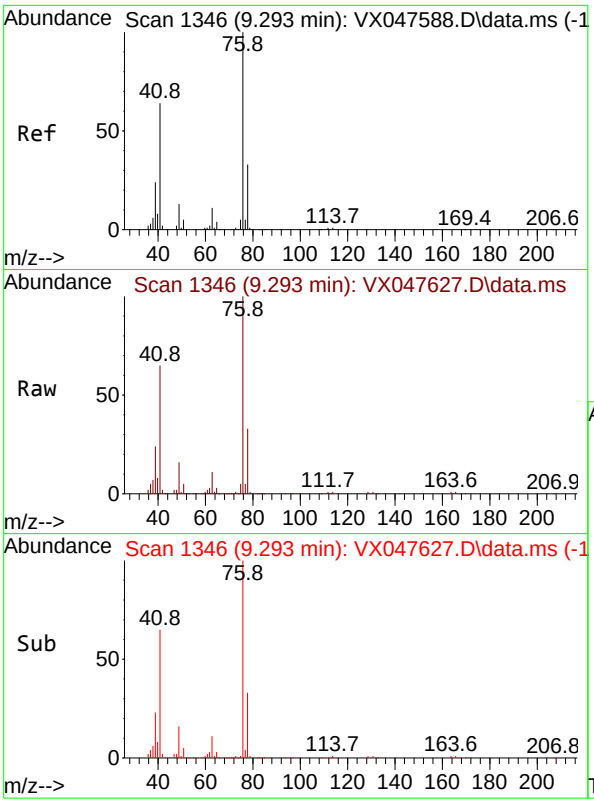


#56
Ethyl methacrylate
Concen: 56.544 ug/l
RT: 9.104 min Scan# 1315
Delta R.T. 0.000 min
Lab File: VX047627.D
Acq: 17 Sep 2025 18:19

Tgt Ion: 69 Resp: 185273

Ion	Ratio	Lower	Upper
69	100		
41	71.4	58.6	87.8
39	38.4	31.5	47.3

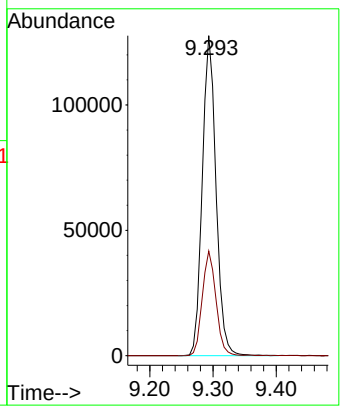




#57
1,3-Dichloropropane
Concen: 53.867 ug/l
RT: 9.293 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047627.D
Acq: 17 Sep 2025 18:19

Tgt Ion: 76 Resp: 19306

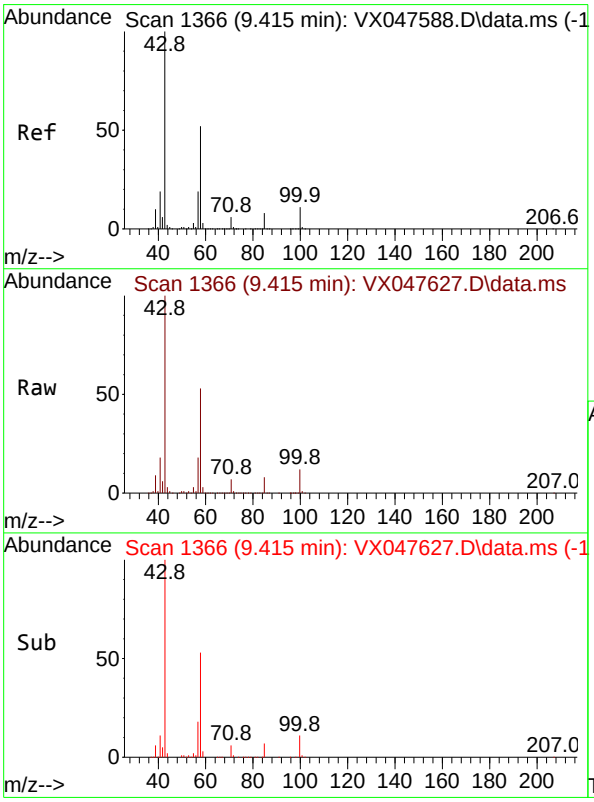
Ion	Ratio	Lower	Upper
76	100		
78	32.7	26.2	39.4



Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MS

Manual Integrations
APPROVED

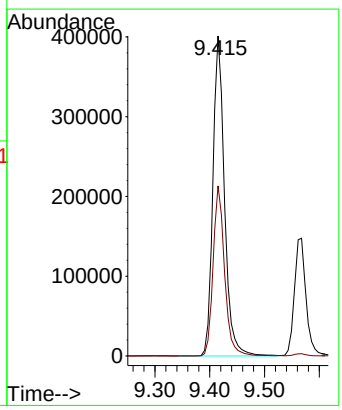
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

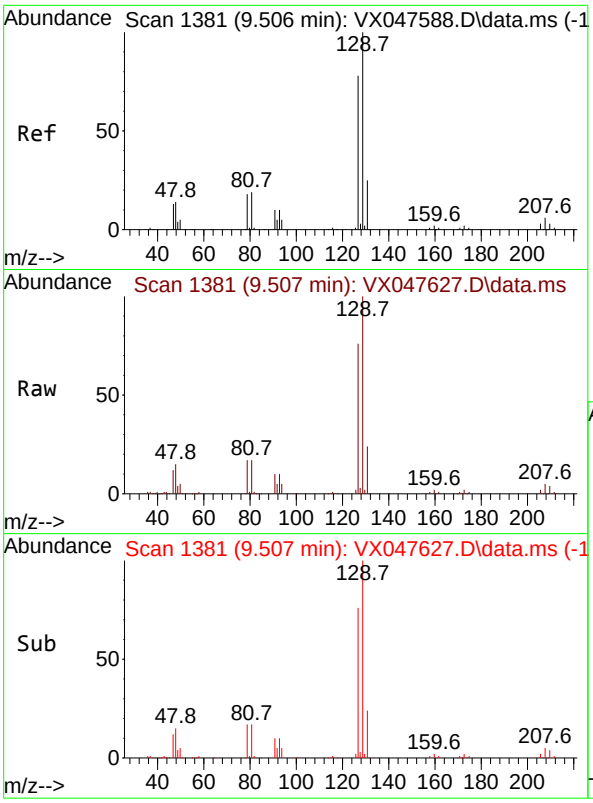


#59
2-Hexanone
Concen: 290.665 ug/l
RT: 9.415 min Scan# 1366
Delta R.T. 0.000 min
Lab File: VX047627.D
Acq: 17 Sep 2025 18:19

Tgt Ion: 43 Resp: 587710

Ion	Ratio	Lower	Upper
43	100		
58	52.6	26.1	78.2





#60
Dibromochloromethane
Concen: 53.171 ug/l
RT: 9.507 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047627.D
Acq: 17 Sep 2025 18:19

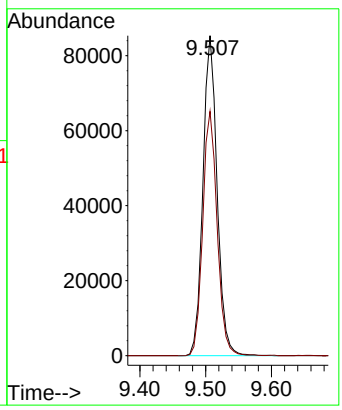
Tgt Ion:129 Resp: 12782

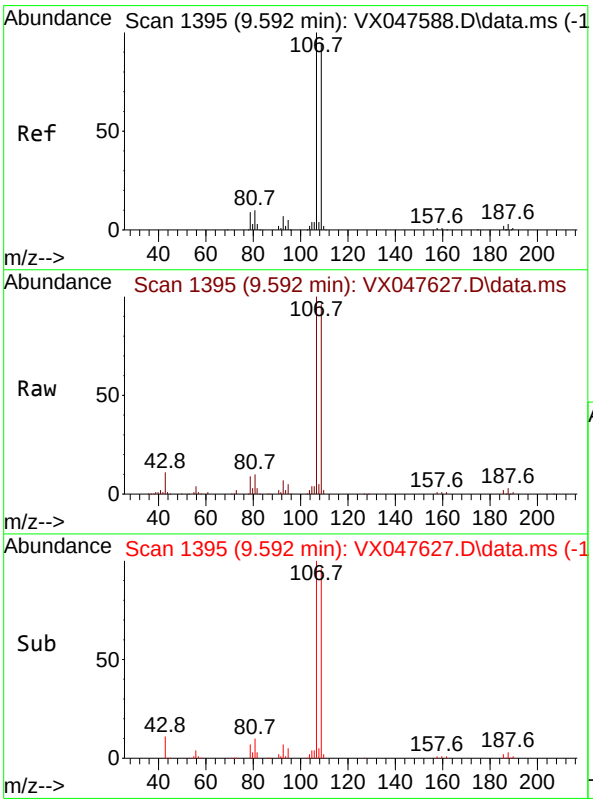
Ion	Ratio	Lower	Upper
129	100		
127	77.7	38.4	115.2

Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MS

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

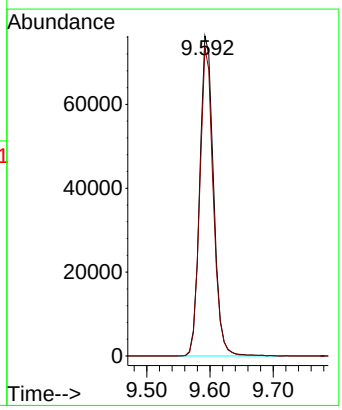


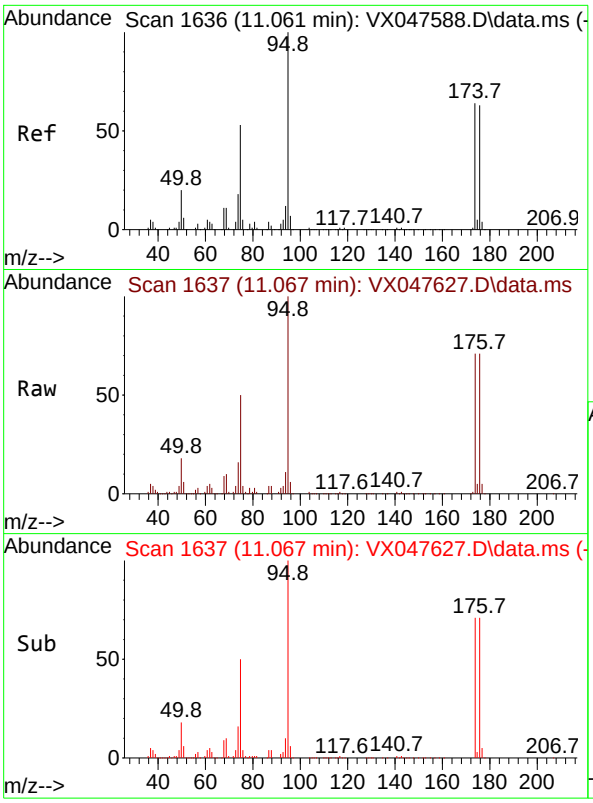


#61
1,2-Dibromoethane
Concen: 54.497 ug/l
RT: 9.592 min Scan# 1395
Delta R.T. 0.000 min
Lab File: VX047627.D
Acq: 17 Sep 2025 18:19

Tgt Ion:107 Resp: 115811

Ion	Ratio	Lower	Upper
107	100		
109	94.4	75.3	112.9

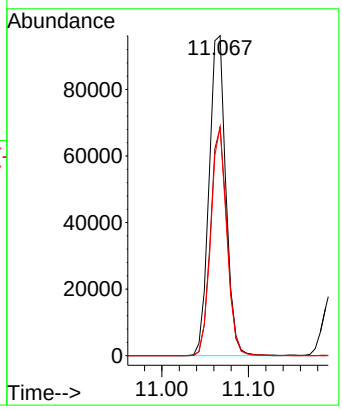




#62
4-Bromofluorobenzene
Concen: 49.620 ug/l
RT: 11.067 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047627.D
Acq: 17 Sep 2025 18:19

Tgt Ion: 95 Resp: 12894

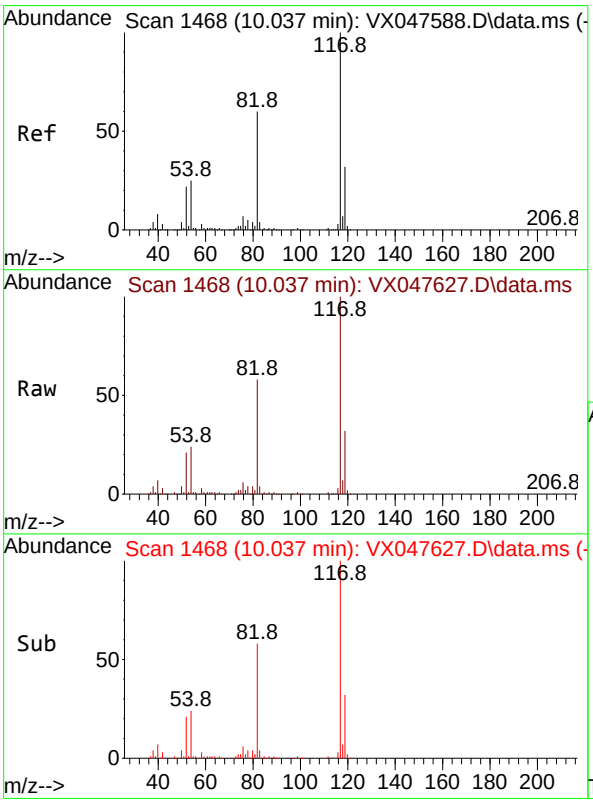
Ion	Ratio	Lower	Upper
95	100		
174	70.5	0.0	141.6
176	68.1	0.0	138.4



Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MS

Manual Integrations
APPROVED

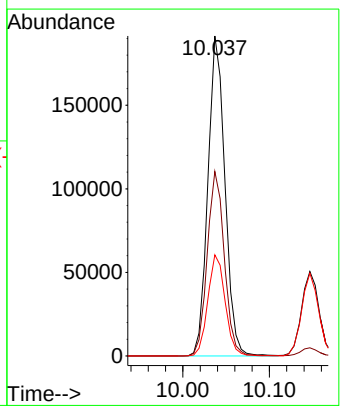
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

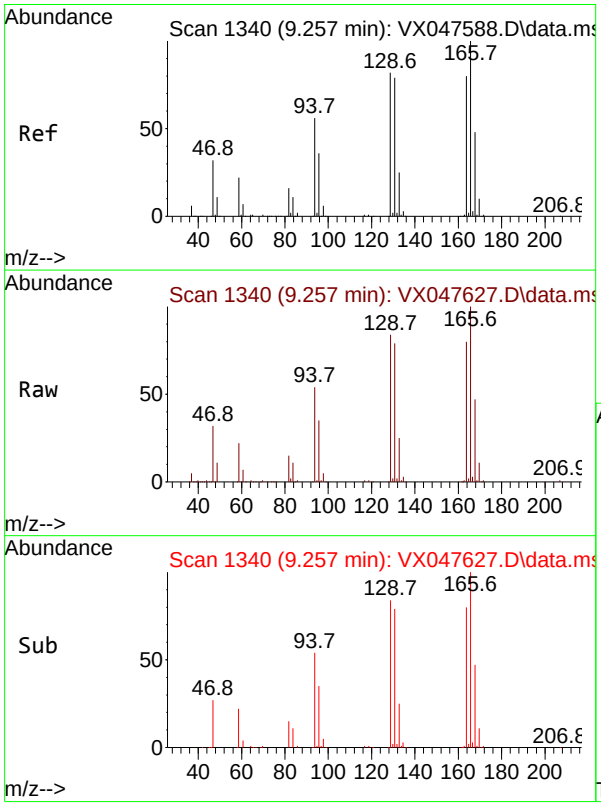


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. 0.000 min
Lab File: VX047627.D
Acq: 17 Sep 2025 18:19

Tgt Ion:117 Resp: 261981

Ion	Ratio	Lower	Upper
117	100		
82	57.6	47.8	71.6
119	31.6	25.2	37.8

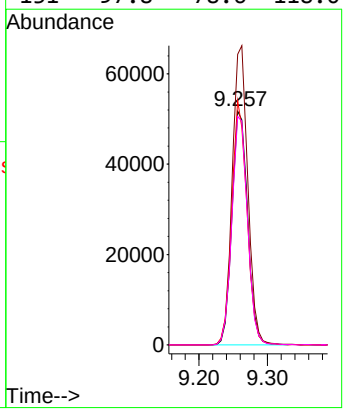




#64
Tetrachloroethene
Concen: 47.497 ug/l
RT: 9.257 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047627.D
Acq: 17 Sep 2025 18:19

Tgt Ion:164 Resp: 8111

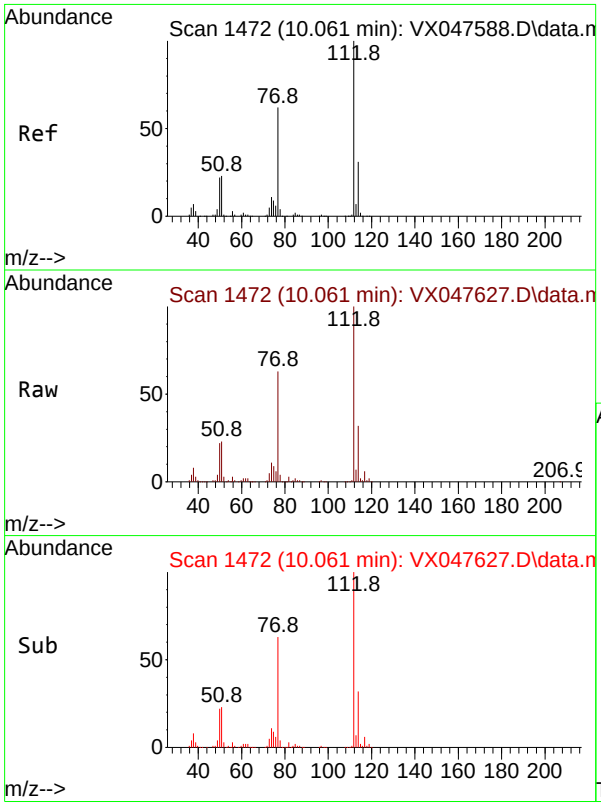
Ion	Ratio	Lower	Upper
164	100		
166	124.5	100.2	150.2
129	104.5	81.8	122.6
131	97.8	78.6	118.0



Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MS

Manual Integrations
APPROVED

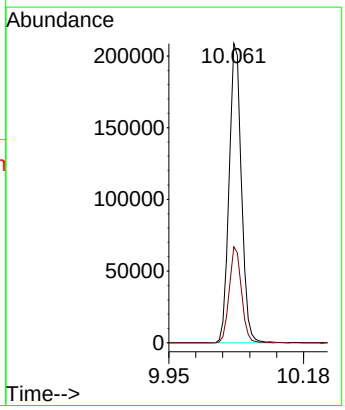
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

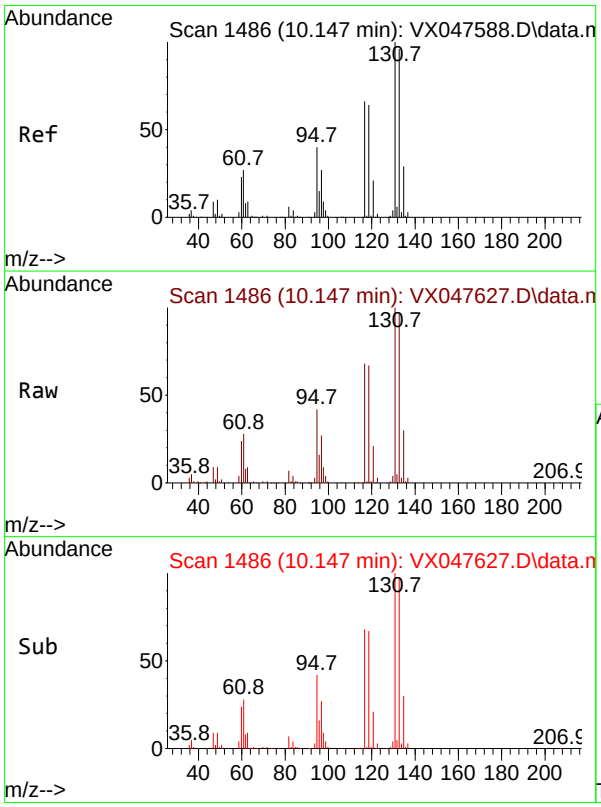


#65
Chlorobenzene
Concen: 50.781 ug/l
RT: 10.061 min Scan# 1472
Delta R.T. 0.000 min
Lab File: VX047627.D
Acq: 17 Sep 2025 18:19

Tgt Ion:112 Resp: 302235

Ion	Ratio	Lower	Upper
112	100		
114	32.1	25.1	37.7





#66
1,1,1,2-Tetrachloroethane
Concen: 50.638 ug/l
RT: 10.147 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047627.D
Acq: 17 Sep 2025 18:19

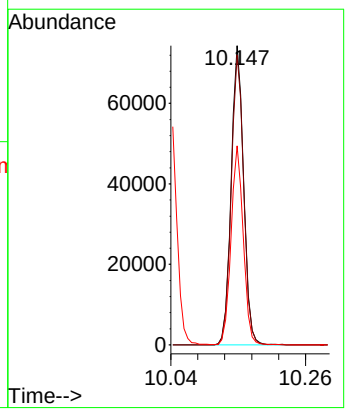
Tgt Ion:131 Resp: 10399

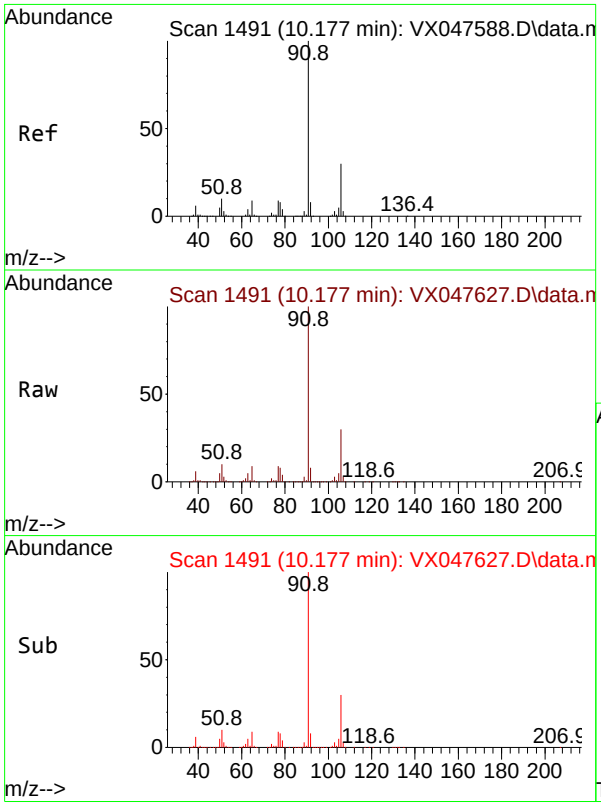
Ion	Ratio	Lower	Upper
131	100		
133	96.6	47.3	142.0
119	65.3	32.0	96.0

Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MS

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

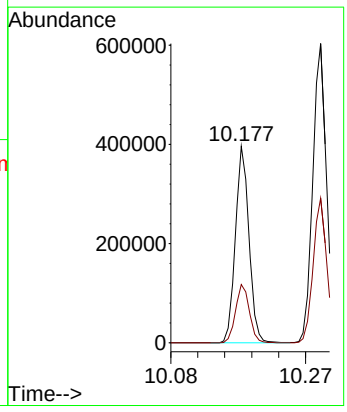


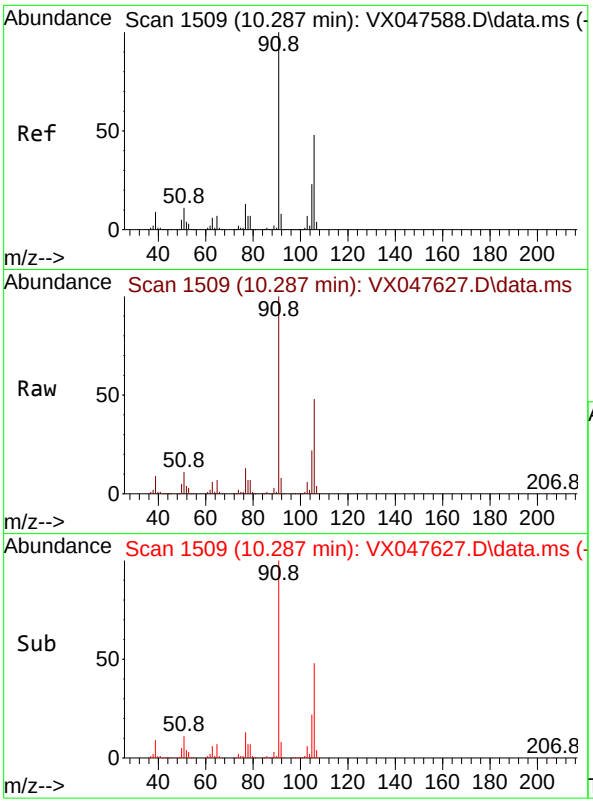


#67
Ethyl Benzene
Concen: 50.388 ug/l
RT: 10.177 min Scan# 1491
Delta R.T. 0.000 min
Lab File: VX047627.D
Acq: 17 Sep 2025 18:19

Tgt Ion: 91 Resp: 517450

Ion	Ratio	Lower	Upper
91	100		
106	29.7	24.3	36.5





#68
m/p-Xylenes
Concen: 100.566 ug/l
RT: 10.287 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047627.D
Acq: 17 Sep 2025 18:19

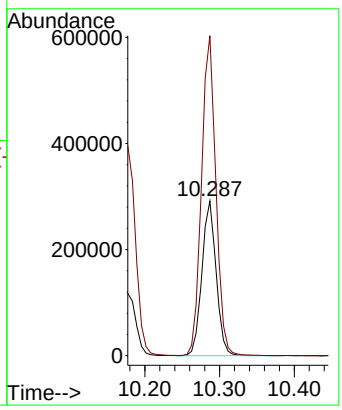
Tgt Ion:106 Resp: 38439

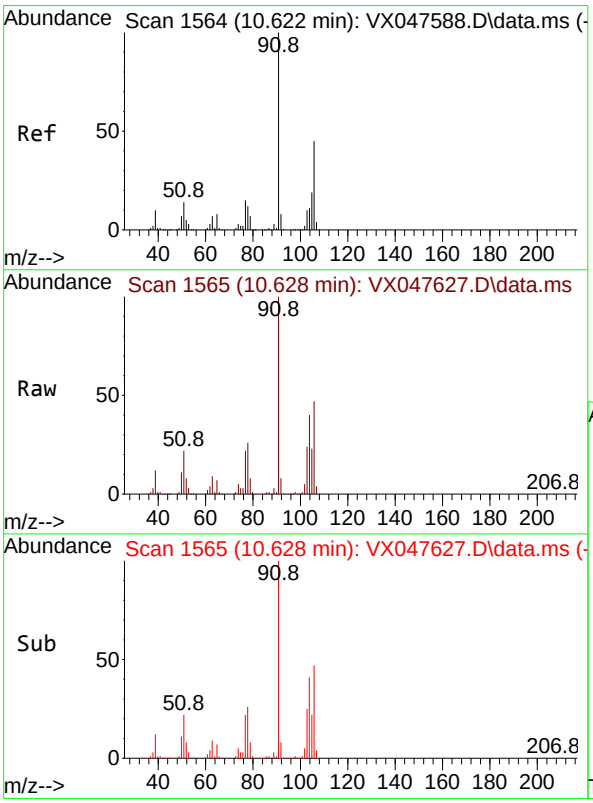
Ion	Ratio	Lower	Upper
106	100		
91	209.7	167.8	251.8

Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MS

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

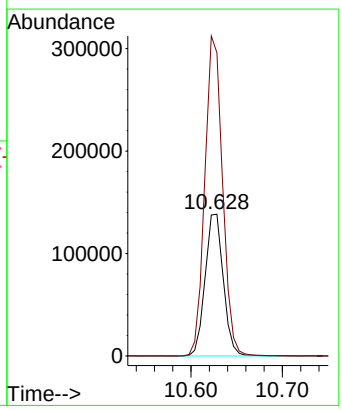


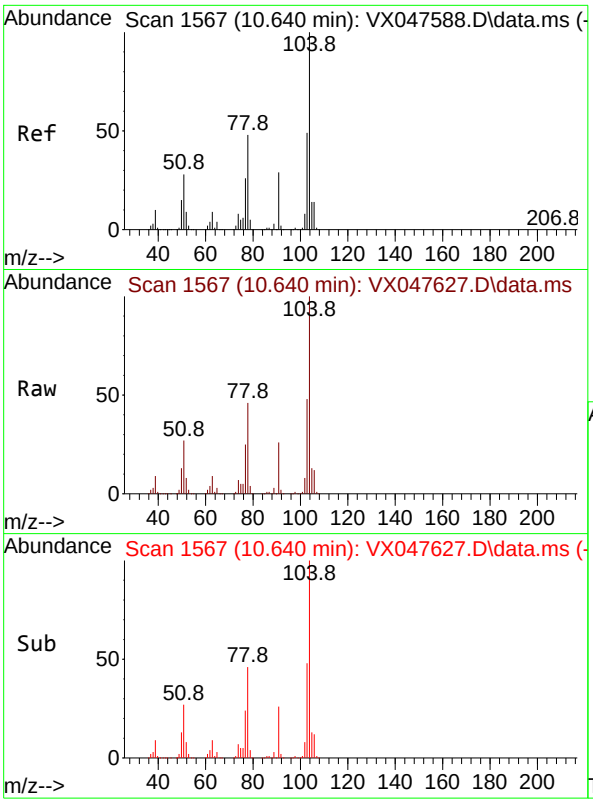


#69
o-Xylene
Concen: 51.706 ug/l
RT: 10.628 min Scan# 1565
Delta R.T. 0.006 min
Lab File: VX047627.D
Acq: 17 Sep 2025 18:19

Tgt Ion:106 Resp: 191158

Ion	Ratio	Lower	Upper
106	100		
91	220.2	111.1	333.4





#70
Styrene
Concen: 51.742 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047627.D
Acq: 17 Sep 2025 18:19

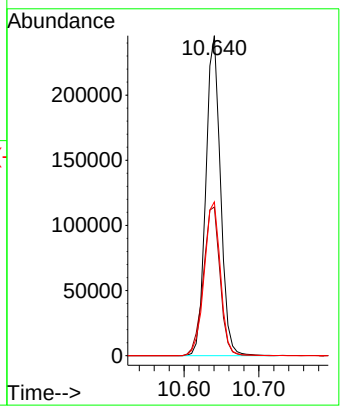
Tgt Ion:104 Resp: 33518

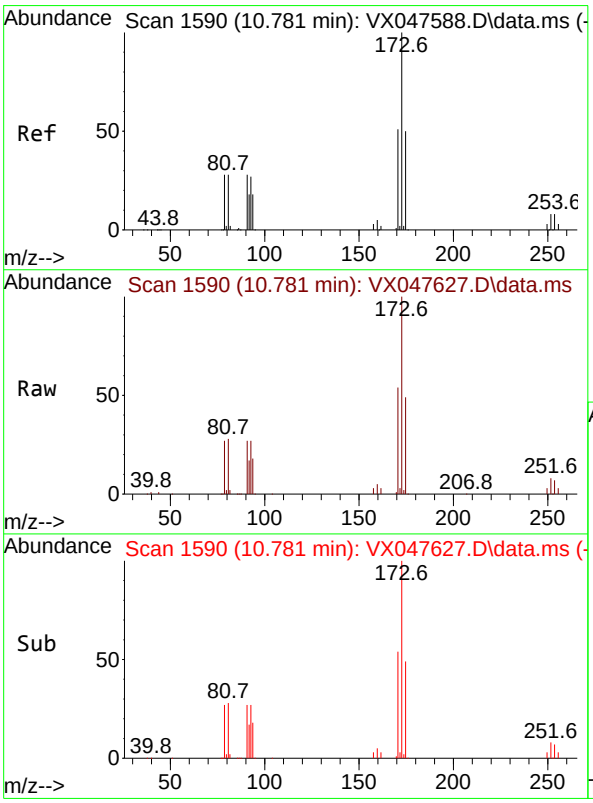
Ion	Ratio	Lower	Upper
104	100		
78	52.7	43.1	64.7
103	52.9	43.1	64.7

Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MS

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

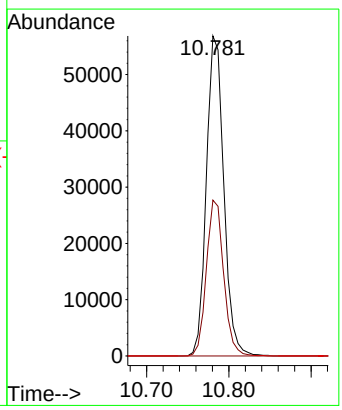


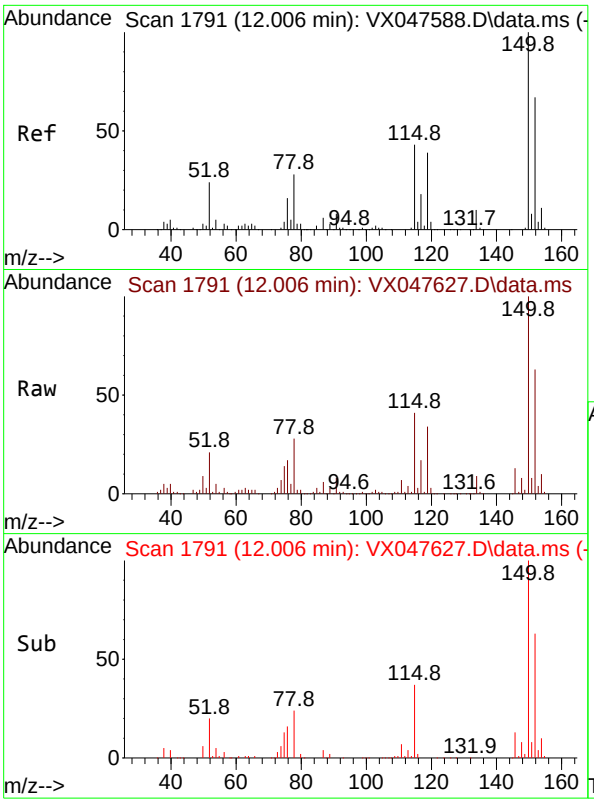


#71
Bromoform
Concen: 54.418 ug/l
RT: 10.781 min Scan# 1590
Delta R.T. 0.000 min
Lab File: VX047627.D
Acq: 17 Sep 2025 18:19

Tgt Ion:173 Resp: 83452

Ion	Ratio	Lower	Upper
173	100		
175	48.4	24.9	74.6
254	0.0	0.1	0.1#

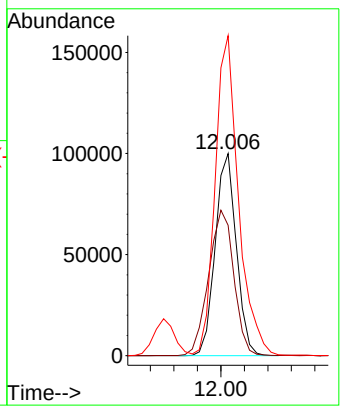




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047627.D
Acq: 17 Sep 2025 18:19

Tgt Ion:152 Resp: 12468

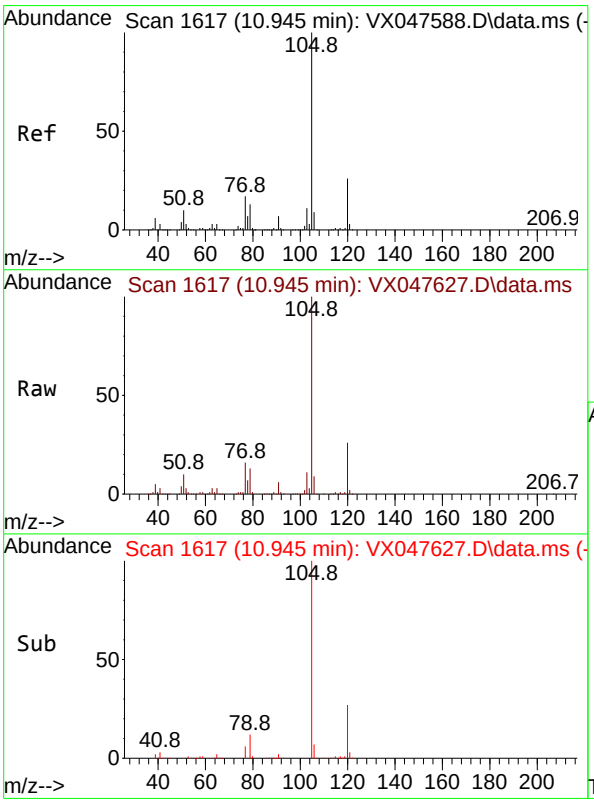
Ion	Ratio	Lower	Upper
152	100		
115	86.3	44.9	134.5
150	174.6	0.0	352.0



Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MS

Manual Integrations
APPROVED

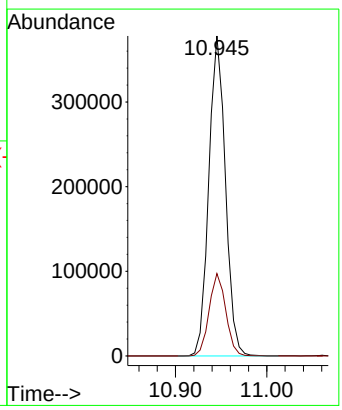
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

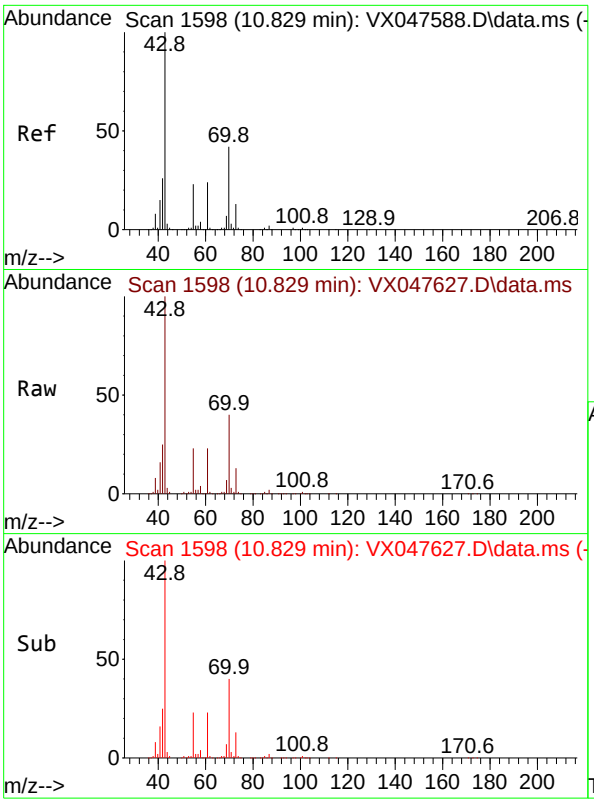


#73
Isopropylbenzene
Concen: 50.143 ug/l
RT: 10.945 min Scan# 1617
Delta R.T. 0.000 min
Lab File: VX047627.D
Acq: 17 Sep 2025 18:19

Tgt Ion:105 Resp: 475299

Ion	Ratio	Lower	Upper
105	100		
120	25.8	12.8	38.4

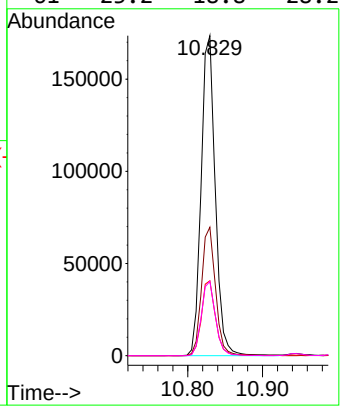




#74
N-amyl acetate
Concen: 52.719 ug/l
RT: 10.829 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047627.D
Acq: 17 Sep 2025 18:19

Tgt Ion: 43 Resp: 22788

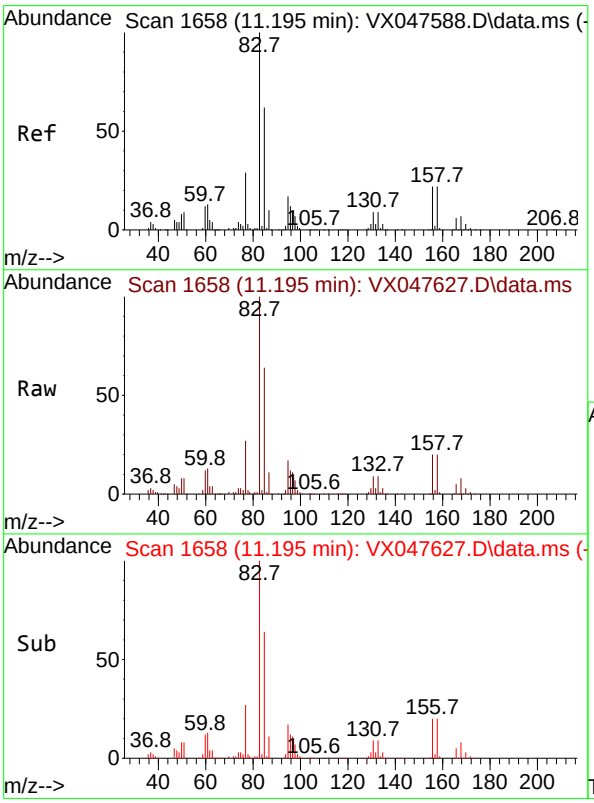
Ion	Ratio	Lower	Upper
43	100		
70	39.7	32.0	48.0
55	23.5	18.9	28.3
61	23.2	18.8	28.2



Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MS

Manual Integrations
APPROVED

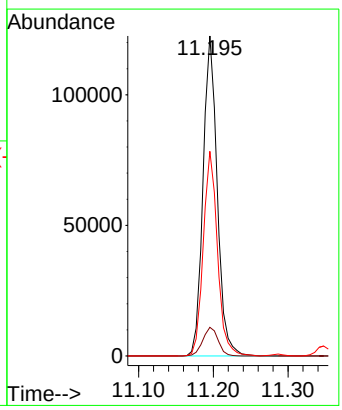
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

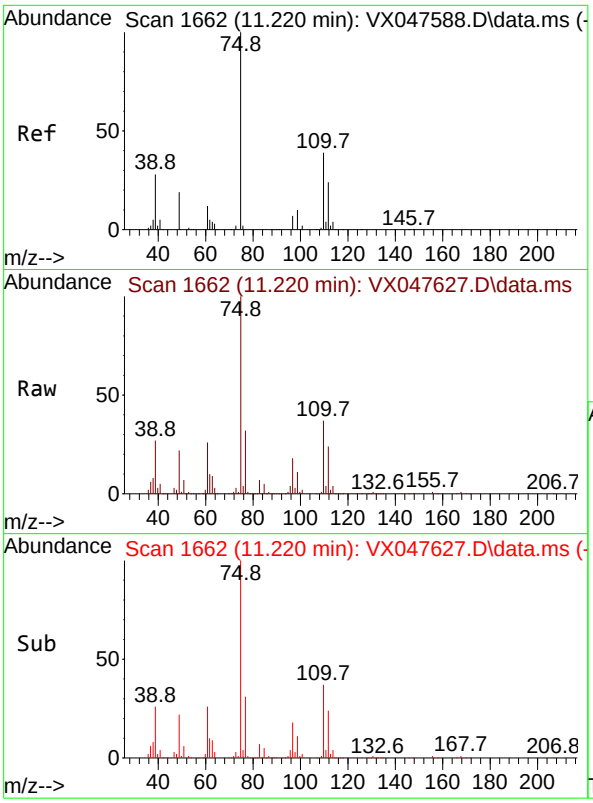


#75
1,1,2,2-Tetrachloroethane
Concen: 56.299 ug/l
RT: 11.195 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VX047627.D
Acq: 17 Sep 2025 18:19

Tgt Ion: 83 Resp: 161458

Ion	Ratio	Lower	Upper
83	100		
131	9.7	5.0	14.9
85	64.1	31.6	95.0





#76
1,2,3-Trichloropropane
Concen: 50.308 ug/l m
RT: 11.220 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047627.D
Acq: 17 Sep 2025 18:19

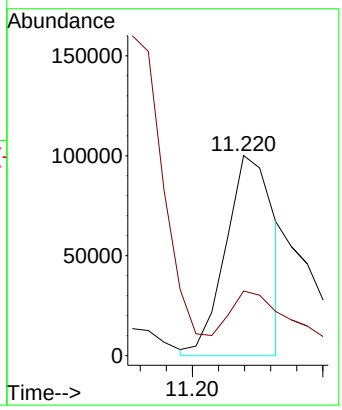
Tgt Ion: 75 Resp: 12699

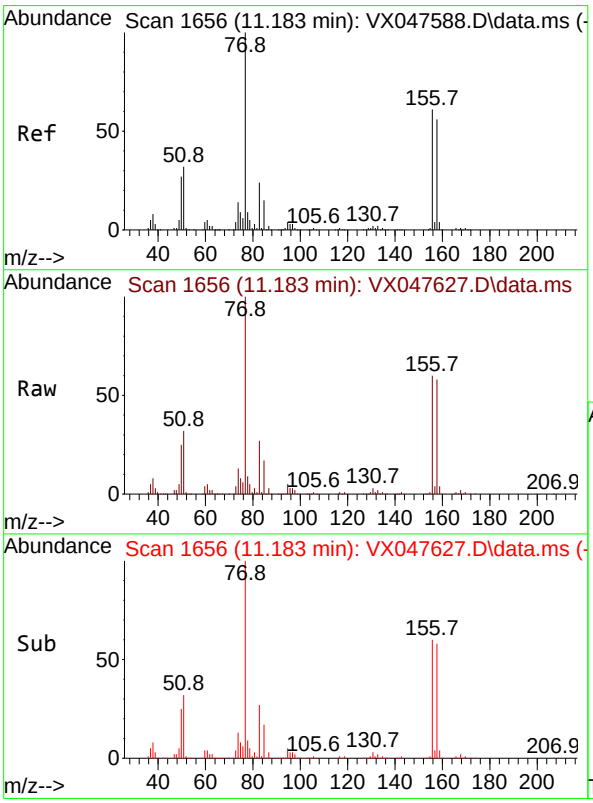
Ion	Ratio	Lower	Upper
75	100		
77	43.7	18.8	56.4

Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MS

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

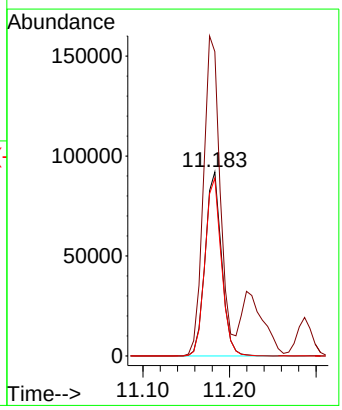


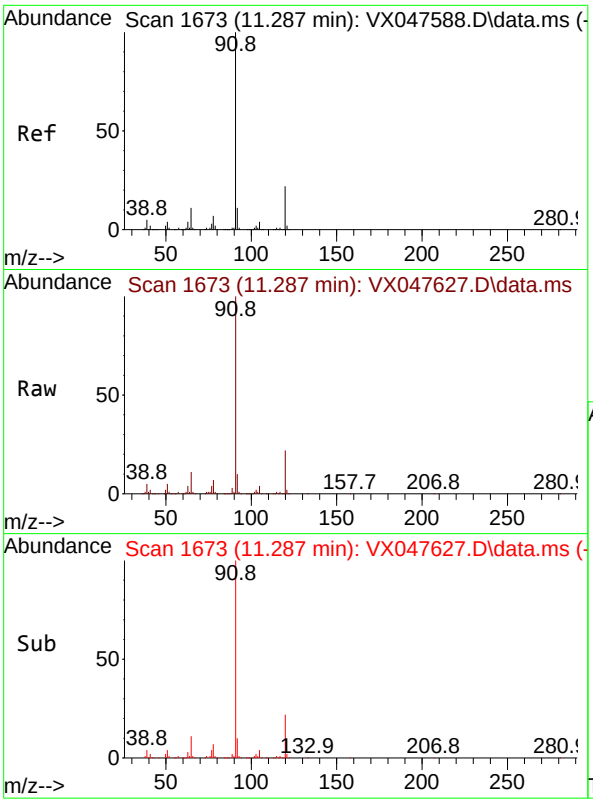


#77
Bromobenzene
Concen: 51.822 ug/l
RT: 11.183 min Scan# 1656
Delta R.T. 0.000 min
Lab File: VX047627.D
Acq: 17 Sep 2025 18:19

Tgt Ion:156 Resp: 120985

Ion	Ratio	Lower	Upper
156	100		
77	178.5	89.7	269.1
158	96.9	47.9	143.6





#78
n-propylbenzene
Concen: 49.919 ug/l
RT: 11.287 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047627.D
Acq: 17 Sep 2025 18:19

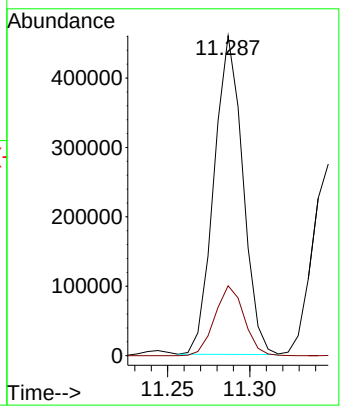
Tgt Ion: 91 Resp: 55936

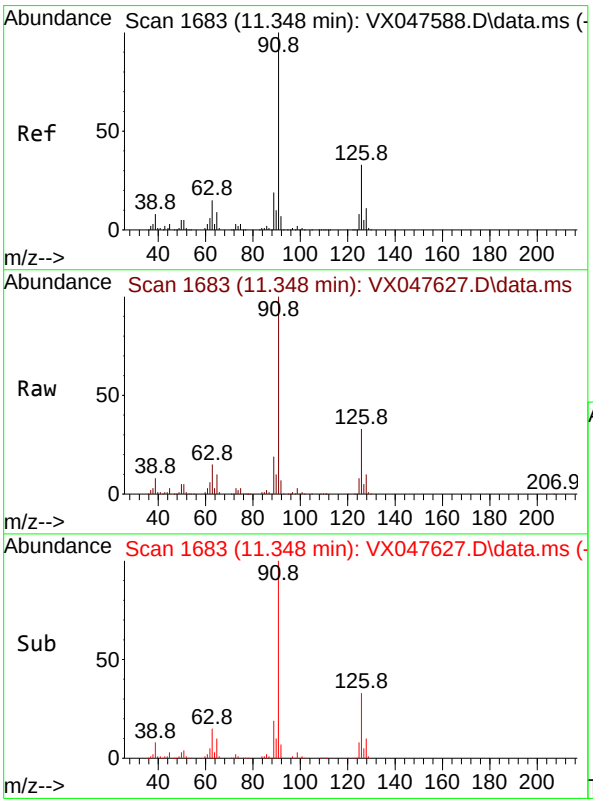
Ion	Ratio	Lower	Upper
91	100		
120	22.3	11.1	33.1

Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MS

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

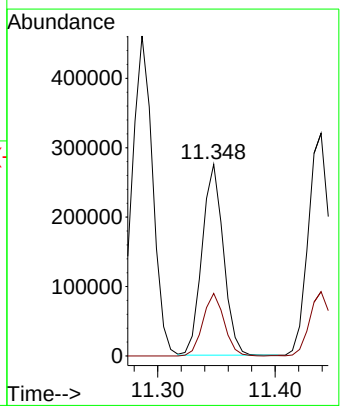


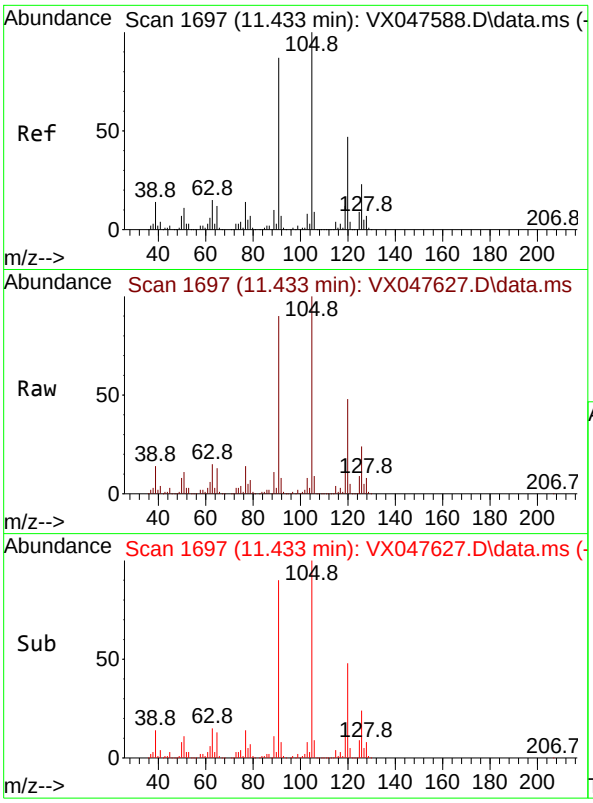


#79
2-Chlorotoluene
Concen: 50.524 ug/l
RT: 11.348 min Scan# 1683
Delta R.T. 0.000 min
Lab File: VX047627.D
Acq: 17 Sep 2025 18:19

Tgt Ion: 91 Resp: 346749

Ion	Ratio	Lower	Upper
91	100		
126	32.6	16.1	48.3

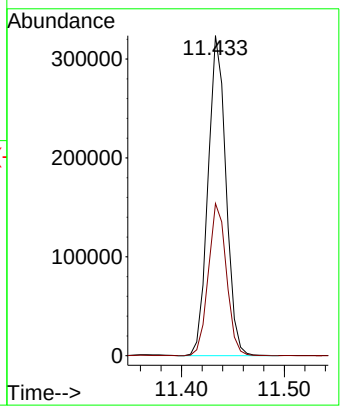




#80
1,3,5-Trimethylbenzene
Concen: 50.225 ug/l
RT: 11.433 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047627.D
Acq: 17 Sep 2025 18:19

Tgt Ion:105 Resp: 39114

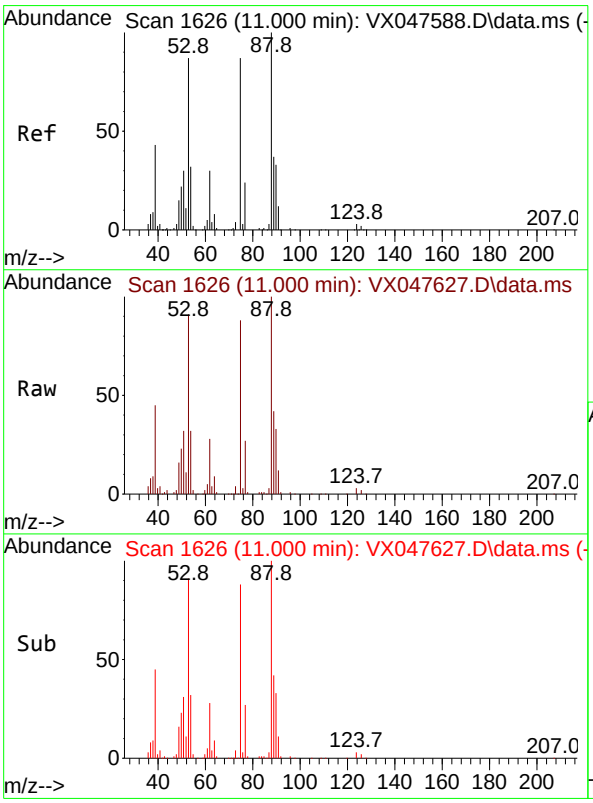
Ion	Ratio	Lower	Upper
105	100		
120	48.0	23.6	70.8



Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MS

Manual Integrations
APPROVED

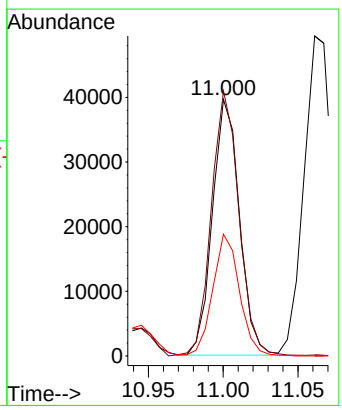
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

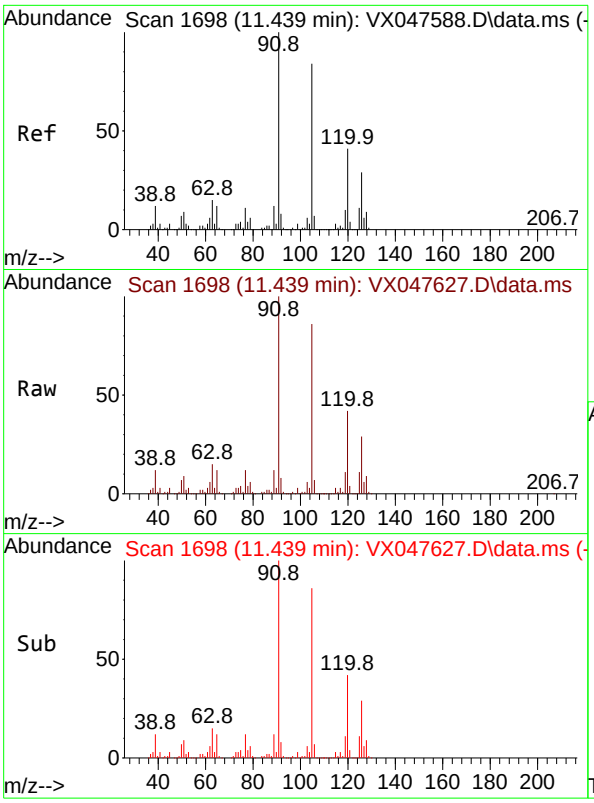


#81
trans-1,4-Dichloro-2-butene
Concen: 50.230 ug/l
RT: 11.000 min Scan# 1626
Delta R.T. 0.000 min
Lab File: VX047627.D
Acq: 17 Sep 2025 18:19

Tgt Ion: 75 Resp: 49723

Ion	Ratio	Lower	Upper
75	100		
53	105.8	83.4	125.2
89	47.1	36.3	54.5

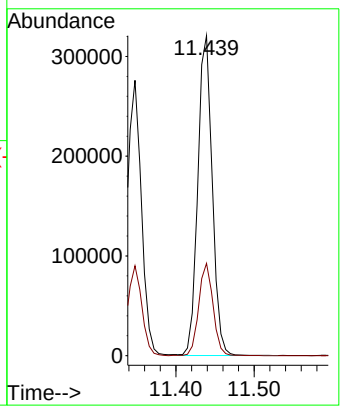




#82
4-Chlorotoluene
Concen: 50.602 ug/l
RT: 11.439 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047627.D
Acq: 17 Sep 2025 18:19

Tgt Ion: 91 Resp: 41015

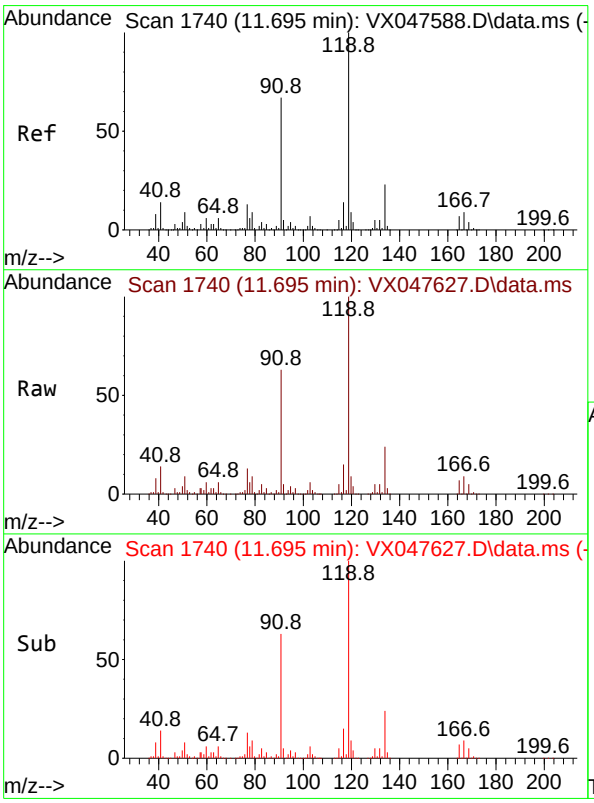
Ion	Ratio	Lower	Upper
91	100		
126	28.6	14.2	42.6



Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MS

Manual Integrations
APPROVED

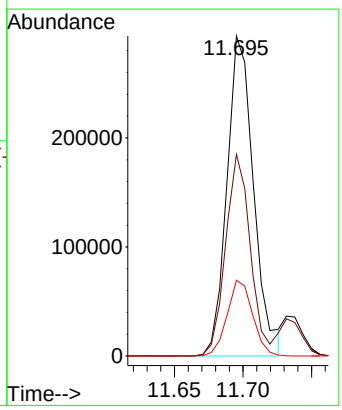
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

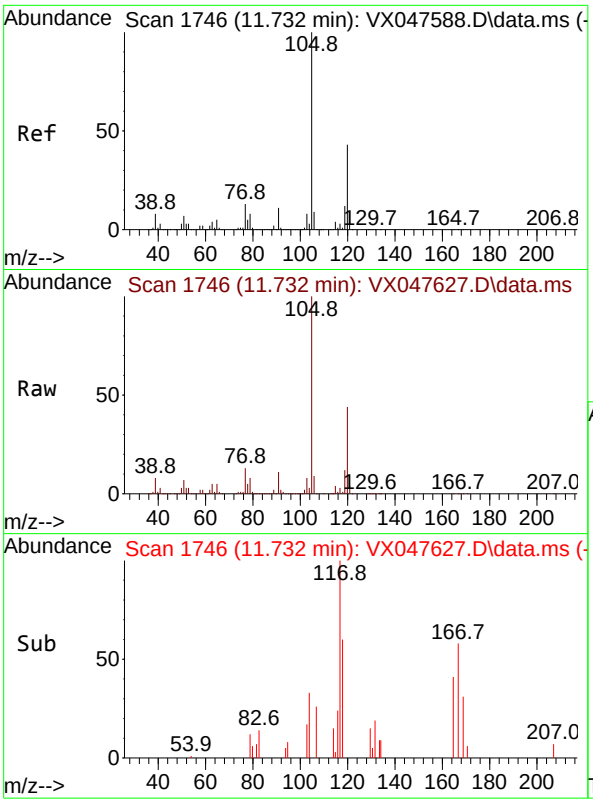


#83
tert-Butylbenzene
Concen: 49.885 ug/l
RT: 11.695 min Scan# 1740
Delta R.T. 0.000 min
Lab File: VX047627.D
Acq: 17 Sep 2025 18:19

Tgt Ion:119 Resp: 397695

Ion	Ratio	Lower	Upper
119	100		
91	58.1	29.6	88.8
134	22.6	11.0	33.0

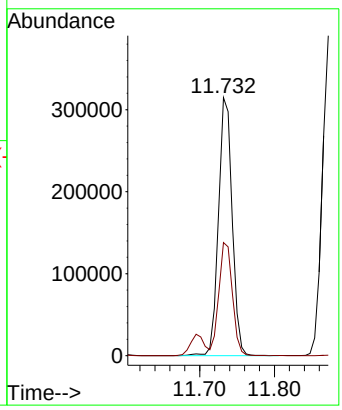




#84
1,2,4-Trimethylbenzene
Concen: 50.872 ug/l
RT: 11.732 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047627.D
Acq: 17 Sep 2025 18:19

Tgt Ion:105 Resp: 40166

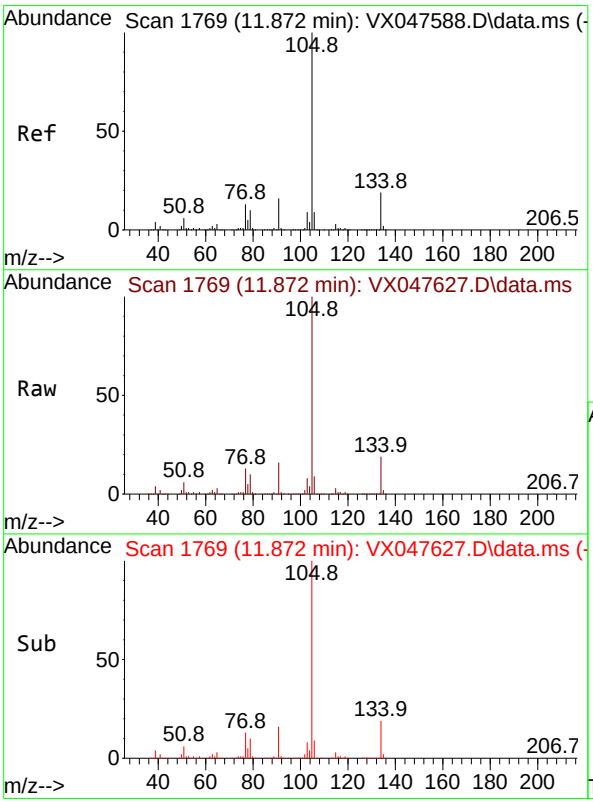
Ion	Ratio	Lower	Upper
105	100		
120	43.3	22.1	66.1



Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MS

Manual Integrations
APPROVED

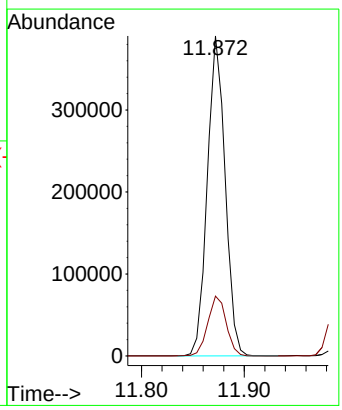
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

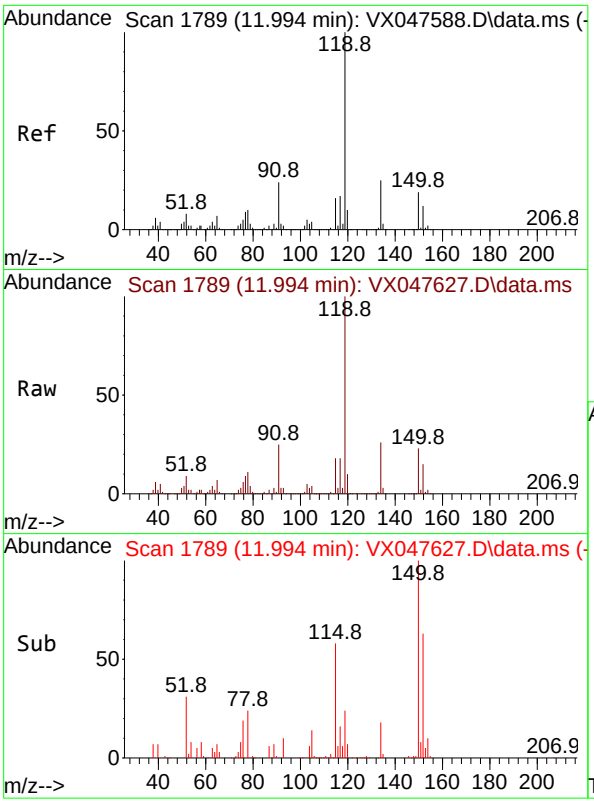


#85
sec-Butylbenzene
Concen: 49.527 ug/l
RT: 11.872 min Scan# 1769
Delta R.T. 0.000 min
Lab File: VX047627.D
Acq: 17 Sep 2025 18:19

Tgt Ion:105 Resp: 468992

Ion	Ratio	Lower	Upper
105	100		
134	19.4	9.8	29.5

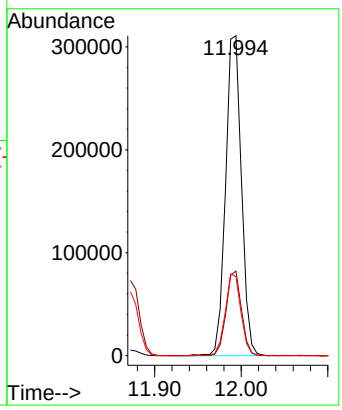




#86
p-Isopropyltoluene
Concen: 49.178 ug/l
RT: 11.994 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047627.D
Acq: 17 Sep 2025 18:19

Tgt Ion:119 Resp: 39424

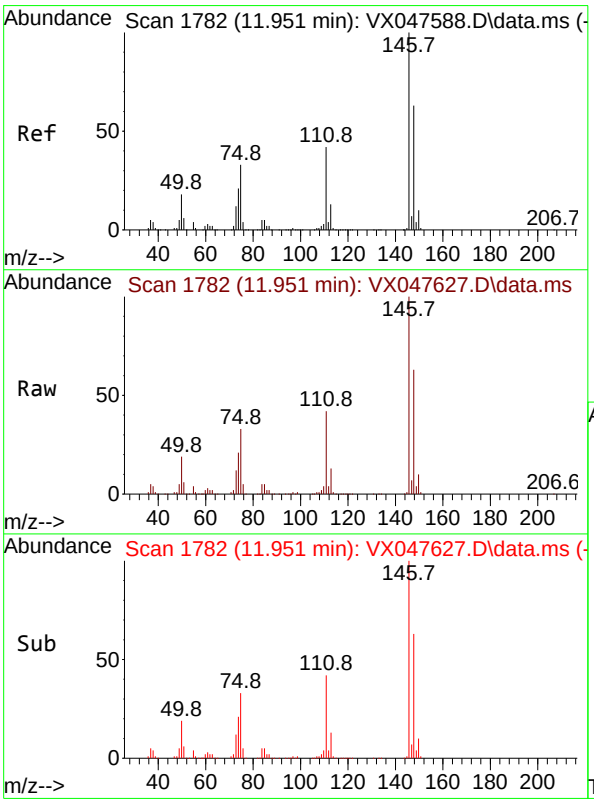
Ion	Ratio	Lower	Upper
119	100		
134	25.6	12.6	37.8
91	25.2	12.6	37.6



Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MS

Manual Integrations
APPROVED

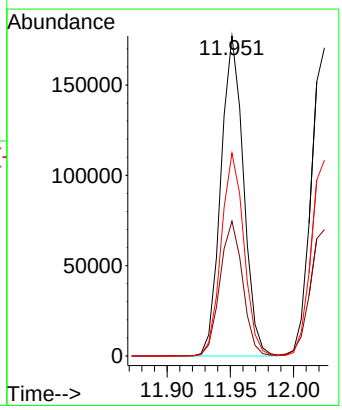
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

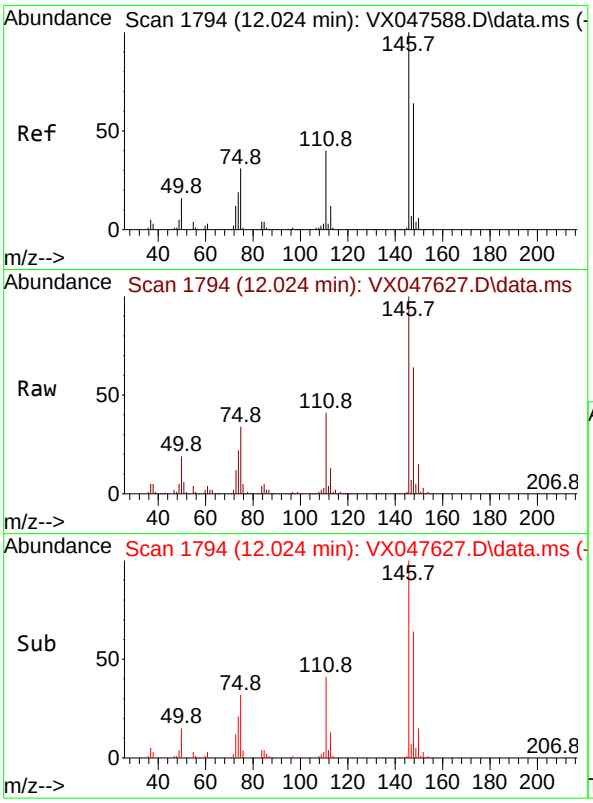


#87
1,3-Dichlorobenzene
Concen: 50.692 ug/l
RT: 11.951 min Scan# 1782
Delta R.T. 0.000 min
Lab File: VX047627.D
Acq: 17 Sep 2025 18:19

Tgt Ion:146 Resp: 219815

Ion	Ratio	Lower	Upper
146	100		
111	42.2	21.5	64.5
148	63.7	32.0	96.0

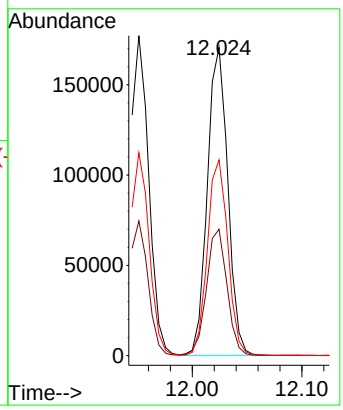




#88
1,4-Dichlorobenzene
Concen: 49.645 ug/l
RT: 12.024 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047627.D
Acq: 17 Sep 2025 18:19

Tgt Ion:146 Resp: 22094

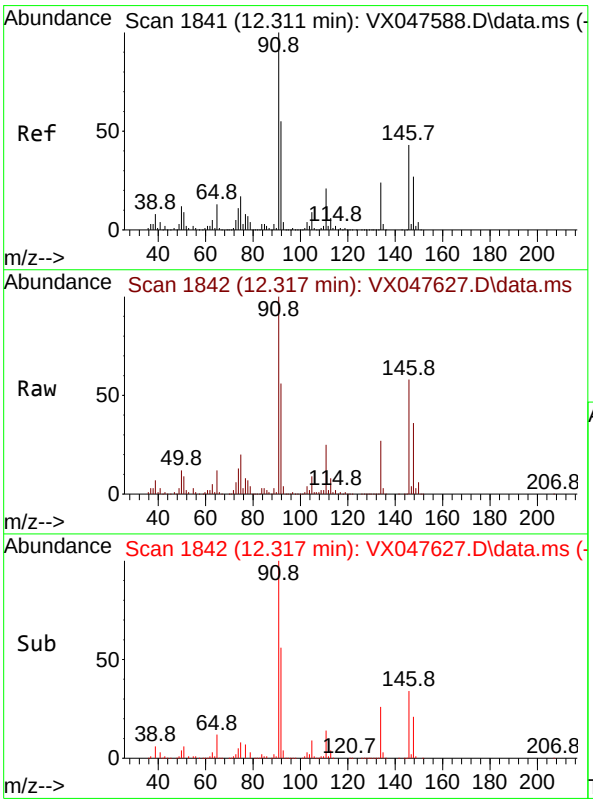
Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.8	62.4
148	64.1	31.7	95.1



Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MS

Manual Integrations
APPROVED

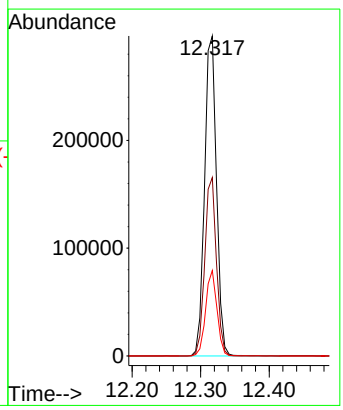
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

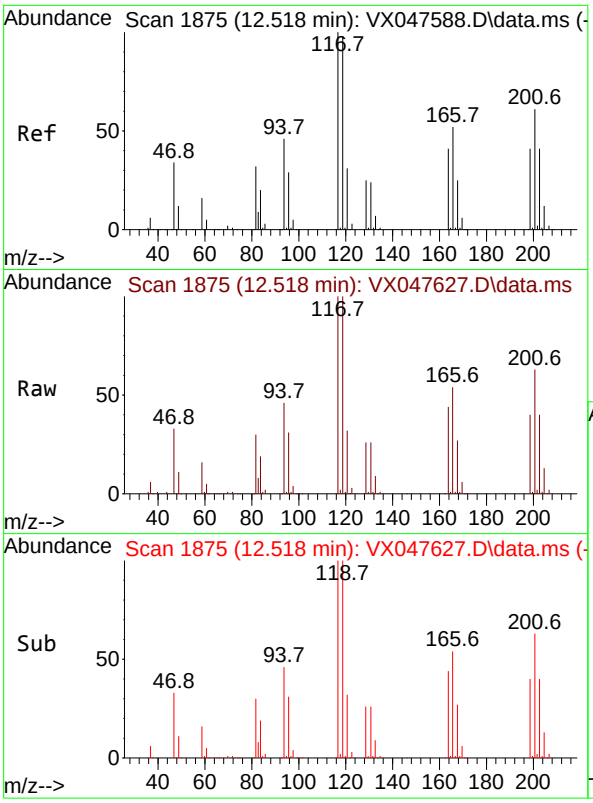


#89
n-Butylbenzene
Concen: 48.552 ug/l
RT: 12.317 min Scan# 1842
Delta R.T. 0.006 min
Lab File: VX047627.D
Acq: 17 Sep 2025 18:19

Tgt Ion: 91 Resp: 360159

Ion	Ratio	Lower	Upper
91	100		
92	54.6	27.6	82.7
134	25.4	12.6	37.8

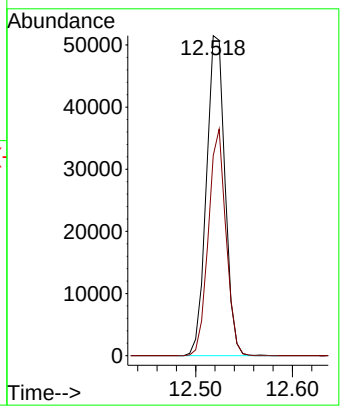




#90
Hexachloroethane
Concen: 48.838 ug/l
RT: 12.518 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047627.D
Acq: 17 Sep 2025 18:19

Tgt Ion:117 Resp: 6874

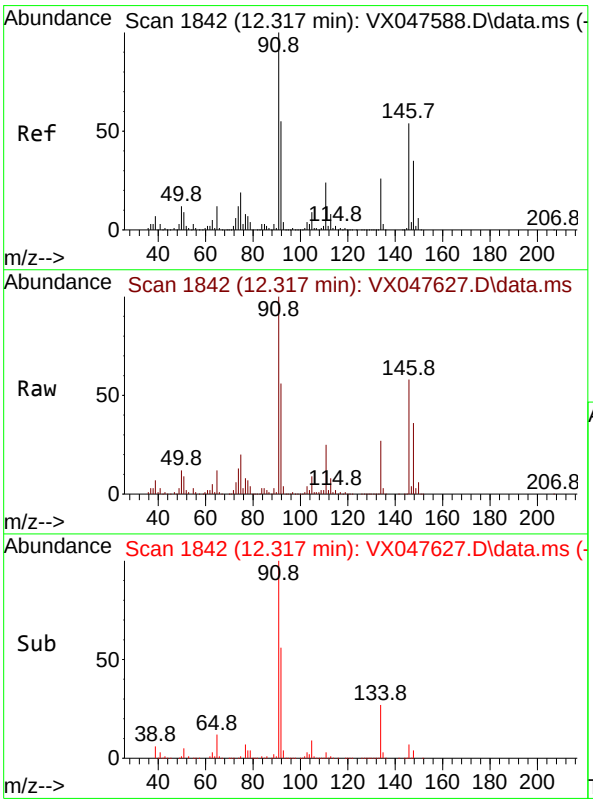
Ion	Ratio	Lower	Upper
117	100		
201	67.0	34.2	102.5



Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MS

Manual Integrations
APPROVED

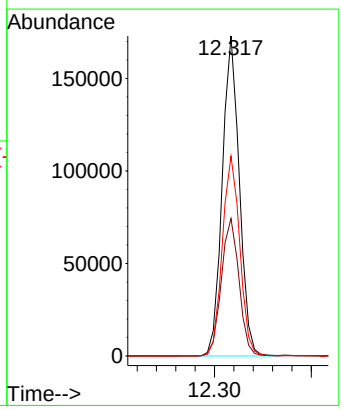
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

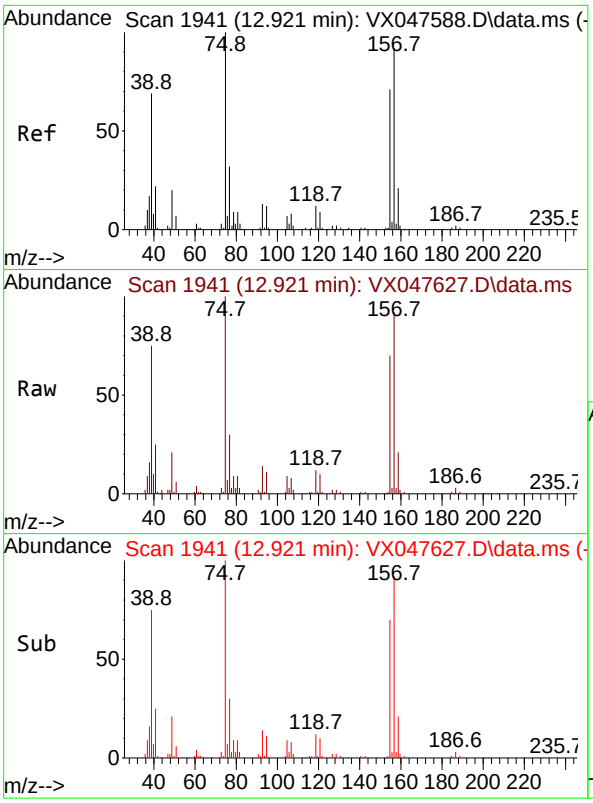


#91
1,2-Dichlorobenzene
Concen: 51.176 ug/l
RT: 12.317 min Scan# 1842
Delta R.T. 0.000 min
Lab File: VX047627.D
Acq: 17 Sep 2025 18:19

Tgt Ion:146 Resp: 211420

Ion	Ratio	Lower	Upper
146	100		
111	44.3	22.2	66.6
148	64.1	31.8	95.4

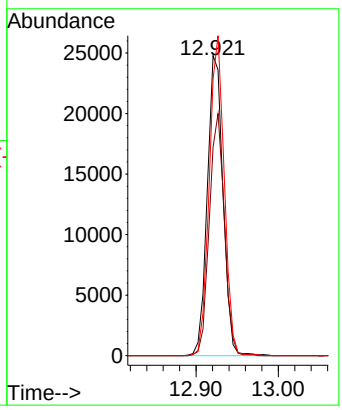




#92
1,2-Dibromo-3-Chloropropane
Concen: 56.686 ug/l
RT: 12.921 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047627.D
Acq: 17 Sep 2025 18:19

Tgt Ion: 75 Resp: 3291

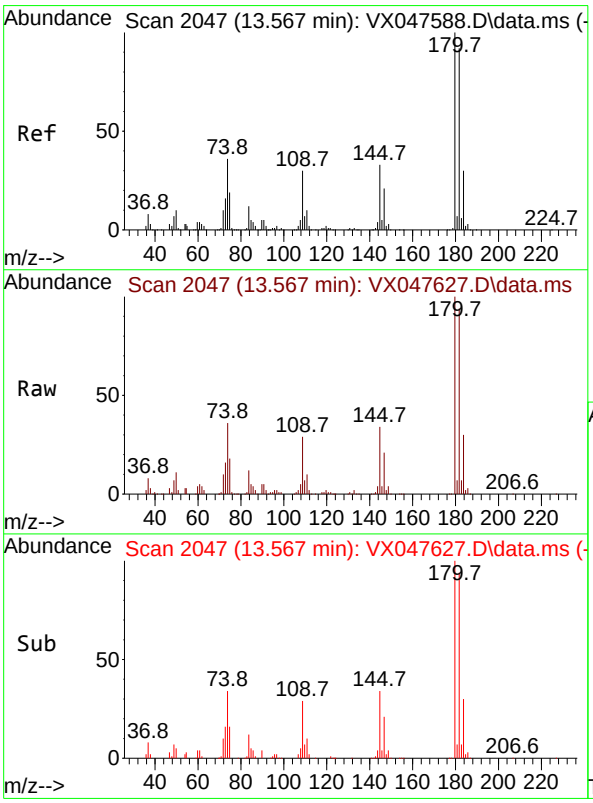
Ion	Ratio	Lower	Upper
75	100		
155	77.3	37.7	113.1
157	101.6	49.8	149.4



Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MS

Manual Integrations
APPROVED

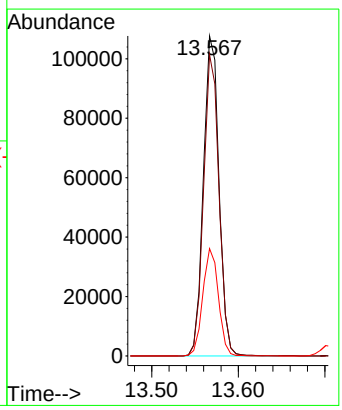
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

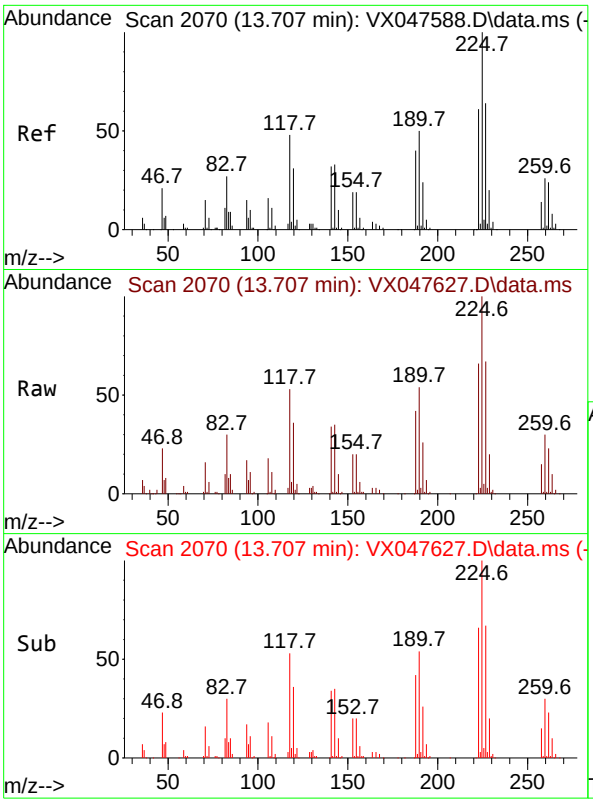


#93
1,2,4-Trichlorobenzene
Concen: 50.068 ug/l
RT: 13.567 min Scan# 2047
Delta R.T. 0.000 min
Lab File: VX047627.D
Acq: 17 Sep 2025 18:19

Tgt Ion:180 Resp: 134428

Ion	Ratio	Lower	Upper
180	100		
182	93.5	46.6	139.8
145	33.7	16.4	49.1

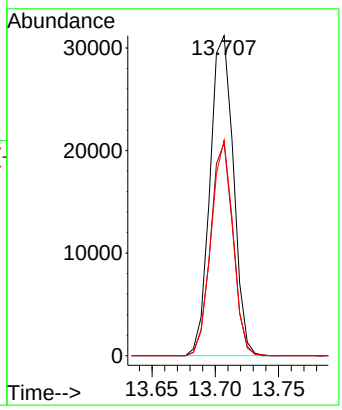




#94
Hexachlorobutadiene
Concen: 43.940 ug/l
RT: 13.707 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX047627.D
Acq: 17 Sep 2025 18:19

Tgt Ion:225 Resp: 4007

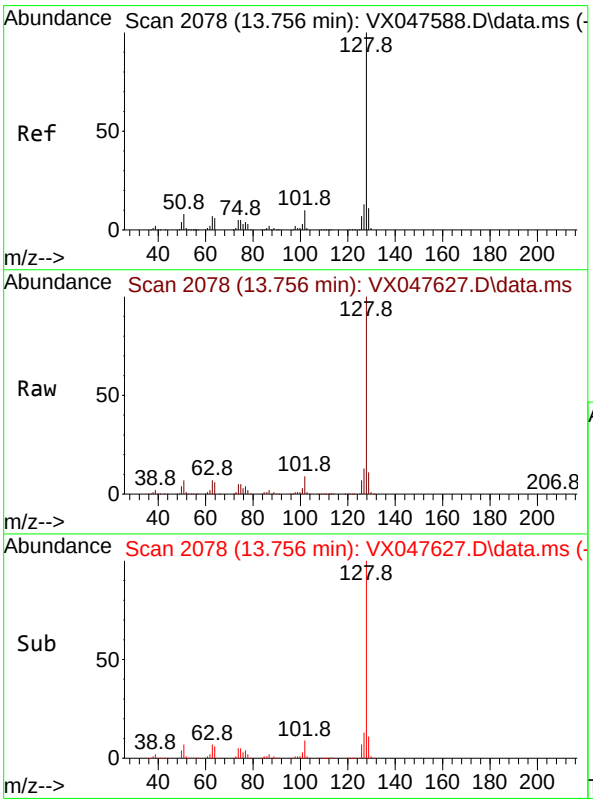
Ion	Ratio	Lower	Upper
225	100		
223	63.4	31.7	95.1
227	63.3	32.0	96.0



Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MS

Manual Integrations
APPROVED

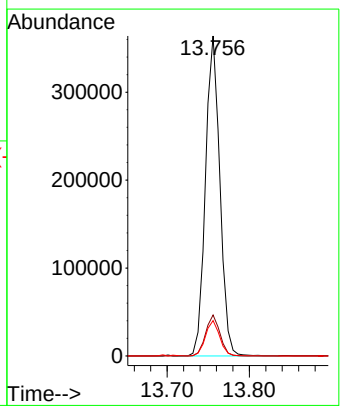
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

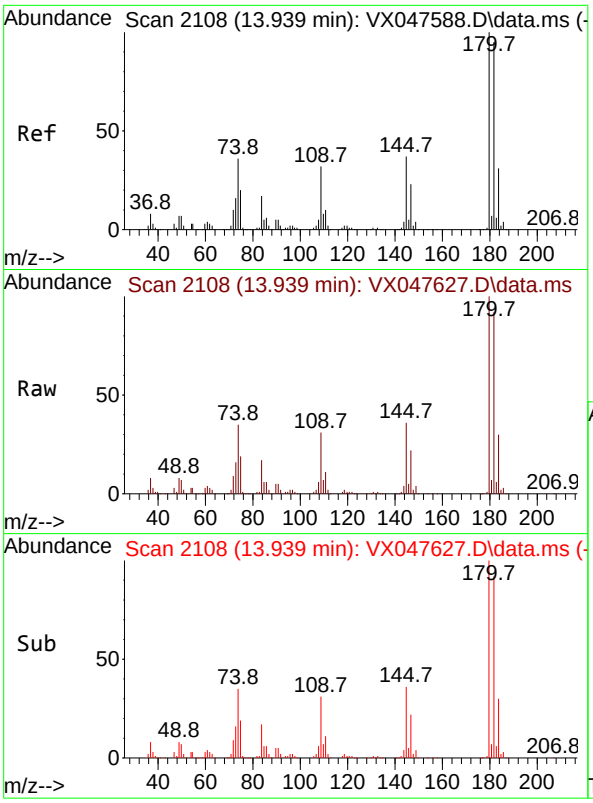


#95
Naphthalene
Concen: 54.106 ug/l
RT: 13.756 min Scan# 2078
Delta R.T. 0.000 min
Lab File: VX047627.D
Acq: 17 Sep 2025 18:19

Tgt Ion:128 Resp: 442360

Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.2
129	11.0	8.8	13.2

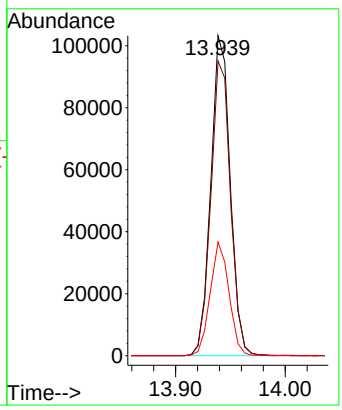




#96
1,2,3-Trichlorobenzene
Concen: 50.787 ug/l
RT: 13.939 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX047627.D
Acq: 17 Sep 2025 18:19

Tgt Ion:180 Resp: 12684

Ion	Ratio	Lower	Upper
180	100		
182	93.5	47.6	142.8
145	34.6	17.9	53.7



Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MS

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

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:	09/09/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/12/25
Client Sample ID:	MW203D2-20250909MSD	SDG No.:	Q3095
Lab Sample ID:	Q3095-07MSD	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047628.D	1	09/17/25 18:40	VX091725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	41.1		0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	44.0		0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	45.9		0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	48.6		1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	45.7		0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	44.6		0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	44.7		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	47.6		0.23	0.75	1.00	ug/L
67-64-1	Acetone	220		1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	43.1		0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	52.3		0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	59.0		0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	48.5		0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	48.4		0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	55.6		0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	44.2		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	44.0		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	53.0		0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	56.1		0.22	0.50	1.00	ug/L
67-66-3	Chloroform	51.5		0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	49.9		0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	42.4		0.16	0.50	1.00	ug/L
71-43-2	Benzene	47.9		0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	48.4		0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	49.4		0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	49.2		0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	48.7		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	47.9		0.14	0.50	1.00	ug/L

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	09/09/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/12/25
Client Sample ID:	MW203D2-20250909MSD	SDG No.:	Q3095
Lab Sample ID:	Q3095-07MSD	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047628.D	1	09/17/25 18:40	VX091725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	48.3		0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	48.0		0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	50.7		0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	280		0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	51.1		0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	51.7		0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	46.1		0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	48.5		0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	47.9		0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	95.9		0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	48.4		0.12	0.50	1.00	ug/L
100-42-5	Styrene	49.4		0.15	0.50	1.00	ug/L
75-25-2	Bromoform	51.8		0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	48.2		0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	53.8		0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	48.8		0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	47.6		0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	50.0		0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	54.8		0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	48.0		0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	49.6		0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	54.0		81 - 118		108%	SPK: 50
1868-53-7	Dibromofluoromethane	51.4		80 - 119		103%	SPK: 50
2037-26-5	Toluene-d8	51.5		89 - 112		103%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.3		85 - 114		105%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	155000	5.544				
540-36-3	1,4-Difluorobenzene	291000	6.745				
3114-55-4	Chlorobenzene-d5	259000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	123000	12.006				

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:	09/09/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/12/25
Client Sample ID:	MW203D2-20250909MSD	SDG No.:	Q3095
Lab Sample ID:	Q3095-07MSD	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047628.D	1	09/17/25 18:40	VX091725

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\VX091725\
Data File : VX047628.D
Acq On : 17 Sep 2025 18:40
Operator : JC/MD
Sample : Q3095-07MSD
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Sep 18 02:09:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MSD

Manual Integrations APPROVED
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	155487	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	290897	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	259033	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	122820	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	133581	53.973	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 107.940%			
35) Dibromofluoromethane	5.379	113	100277	51.400	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.800%			
50) Toluene-d8	8.634	98	347403	51.463	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 102.920%			
62) 4-Bromofluorobenzene	11.061	95	134008	52.307	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 104.620%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.172	85	66121	41.067	ug/l	100
3) Chloromethane	1.300	50	93104	43.998	ug/l	99
4) Vinyl Chloride	1.380	62	95035	45.879	ug/l	99
5) Bromomethane	1.617	94	63812	48.581	ug/l	98
6) Chloroethane	1.697	64	63329	45.742	ug/l	99
7) Trichlorofluoromethane	1.898	101	137321	44.648	ug/l	98
8) Diethyl Ether	2.136	74	63370	50.367	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.337	101	80446	44.731	ug/l	98
10) Methyl Iodide	2.459	142	129836	46.290	ug/l	100
11) Tert butyl alcohol	2.946	59	76575	277.803	ug/l	100
12) 1,1-Dichloroethene	2.325	96	87945	47.606	ug/l	96
13) Acrolein	2.239	56	92671	364.830	ug/l	98
14) Allyl chloride	2.666	41	181335	47.569	ug/l	97
15) Acrylonitrile	3.056	53	297042	290.931	ug/l	99
16) Acetone	2.373	43	236999	220.235	ug/l	100
17) Carbon Disulfide	2.520	76	217758	43.058	ug/l	98
18) Methyl Acetate	2.703	43	141359	59.025	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	352536	52.277	ug/l	99
20) Methylene Chloride	2.788	84	110515	48.517	ug/l	98
21) trans-1,2-Dichloroethene	3.093	96	96358	48.448	ug/l	99
22) Diisopropyl ether	3.757	45	378389	51.218	ug/l	98
23) Vinyl Acetate	3.715	43	1484751	251.106	ug/l	99
24) 1,1-Dichloroethane	3.605	63	218234	55.577	ug/l	98
25) 2-Butanone	4.544	43	368532	274.548	ug/l	99
26) 2,2-Dichloropropane	4.471	77	131521	40.293	ug/l	98
27) cis-1,2-Dichloroethene	4.483	96	129152	53.024	ug/l	96
28) Bromochloromethane	4.885	49	96180	56.105	ug/l	100
29) Tetrahydrofuran	4.995	42	233459	289.109	ug/l	99
30) Chloroform	5.086	83	204242	51.472	ug/l	99
31) Cyclohexane	5.464	56	144446	44.167	ug/l	97
32) 1,1,1-Trichloroethane	5.379	97	167974	49.907	ug/l	99
36) 1,1-Dichloropropene	5.684	75	123652	43.375	ug/l	97
37) Ethyl Acetate	4.702	43	154573	50.641	ug/l	99
38) Carbon Tetrachloride	5.672	117	136341	44.018	ug/l	96
39) Methylcyclohexane	7.366	83	137131	42.377	ug/l	99
40) Benzene	6.025	78	414655	47.890	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091725\
Data File : VX047628.D
Acq On : 17 Sep 2025 18:40
Operator : JC/MD
Sample : Q3095-07MSD
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Sep 18 02:09:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MSD

Manual Integrations APPROVED

Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.910	41	83930	53.262	ug/l		97
42) 1,2-Dichloroethane	6.074	62	159558	48.433	ug/l		100
43) Isopropyl Acetate	6.324	43	253264	50.592	ug/l		98
44) Trichloroethene	7.116	130	103396	49.394	ug/l		97
45) 1,2-Dichloropropane	7.415	63	109025	49.175	ug/l		98
46) Dibromomethane	7.568	93	79332	49.171	ug/l		97
47) Bromodichloromethane	7.805	83	162195	48.717	ug/l		98
48) Methyl methacrylate	7.677	41	132337	53.072	ug/l		99
49) 1,4-Dioxane	7.647	88	32226	1278.808	ug/l		99
51) 4-Methyl-2-Pentanone	8.561	43	789521	284.455	ug/l		99
52) Toluene	8.702	92	255317	47.862	ug/l		99
53) t-1,3-Dichloropropene	8.964	75	164192	48.349	ug/l		99
54) cis-1,3-Dichloropropene	8.354	75	174198	47.992	ug/l		100
55) 1,1,2-Trichloroethane	9.134	97	104353	50.732	ug/l		99
56) Ethyl methacrylate	9.104	69	173371	53.669	ug/l		98
57) 1,3-Dichloropropane	9.293	76	183956	52.061	ug/l		98
59) 2-Hexanone	9.415	43	549720	275.768	ug/l		99
60) Dibromochloromethane	9.506	129	121012	51.059	ug/l		98
61) 1,2-Dibromoethane	9.592	107	108335	51.709	ug/l		100
64) Tetrachloroethene	9.262	164	77878	46.119	ug/l		95
65) Chlorobenzene	10.061	112	285189	48.462	ug/l		98
66) 1,1,1,2-Tetrachloroethane	10.146	131	98819	48.663	ug/l		98
67) Ethyl Benzene	10.177	91	486856	47.949	ug/l		100
68) m/p-Xylenes	10.287	106	362550	95.931	ug/l		100
69) o-Xylene	10.628	106	176754	48.354	ug/l		100
70) Styrene	10.640	104	316465	49.409	ug/l		99
71) Bromoform	10.787	173	78589	51.830	ug/l	#	99
73) Isopropylbenzene	10.945	105	449867	48.178	ug/l		99
74) N-amyl acetate	10.829	43	216946	50.949	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.195	83	152121	53.847	ug/l		99
76) 1,2,3-Trichloropropane	11.225	75	117727m	47.342	ug/l		
77) Bromobenzene	11.183	156	115807	50.356	ug/l		98
78) n-propylbenzene	11.286	91	530672	48.076	ug/l		100
79) 2-Chlorotoluene	11.347	91	330607	48.902	ug/l		100
80) 1,3,5-Trimethylbenzene	11.433	105	369096	48.112	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.000	75	47527	48.739	ug/l		100
82) 4-Chlorotoluene	11.439	91	388138	48.610	ug/l		100
83) tert-Butylbenzene	11.695	119	379925	48.378	ug/l		98
84) 1,2,4-Trimethylbenzene	11.731	105	381199	49.011	ug/l		99
85) sec-Butylbenzene	11.872	105	444945	47.699	ug/l		100
86) p-Isopropyltoluene	11.994	119	373314	47.272	ug/l		99
87) 1,3-Dichlorobenzene	11.951	146	208330	48.771	ug/l		99
88) 1,4-Dichlorobenzene	12.024	146	208864	47.641	ug/l		99
89) n-Butylbenzene	12.317	91	342525	46.874	ug/l		99
90) Hexachloroethane	12.518	117	66310	47.825	ug/l		97
91) 1,2-Dichlorobenzene	12.317	146	203287	49.953	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	12.926	75	31331	54.777	ug/l		97
93) 1,2,4-Trichlorobenzene	13.567	180	127016	48.023	ug/l		97
94) Hexachlorobutadiene	13.707	225	40432	45.005	ug/l		98
95) Naphthalene	13.756	128	429630	53.345	ug/l		100
96) 1,2,3-Trichlorobenzene	13.938	180	122153	49.649	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091725\
Data File : VX047628.D
Acq On : 17 Sep 2025 18:40
Operator : JC/MD
Sample : Q3095-07MSD
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Sep 18 02:09:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MSD

Manual Integrations APPROVED

Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

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

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

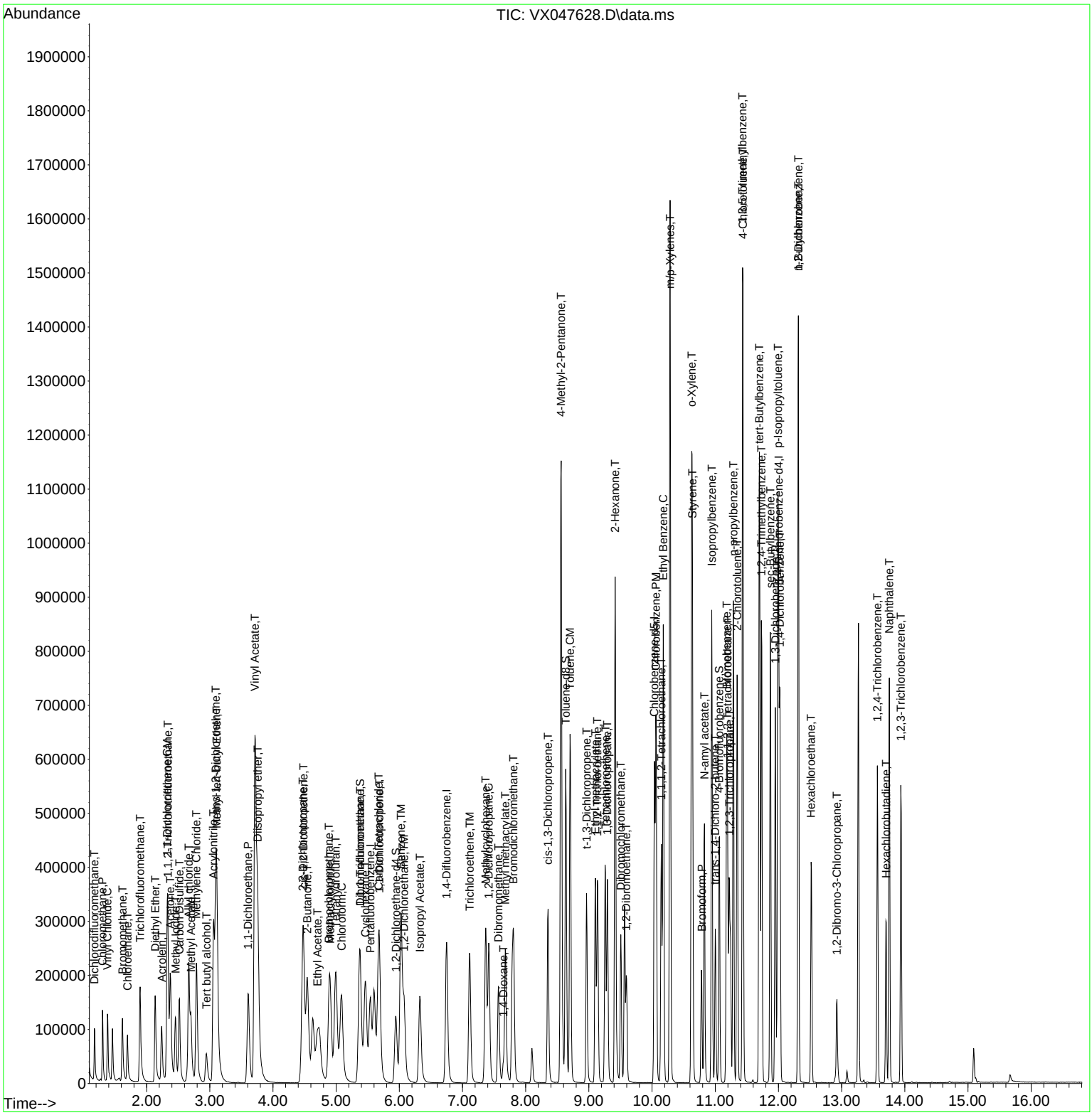
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091725\
Data File : VX047628.D
Acq On : 17 Sep 2025 18:40
Operator : JC/MD
Sample : Q3095-07MSD
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 29 Sample Multiplier: 1

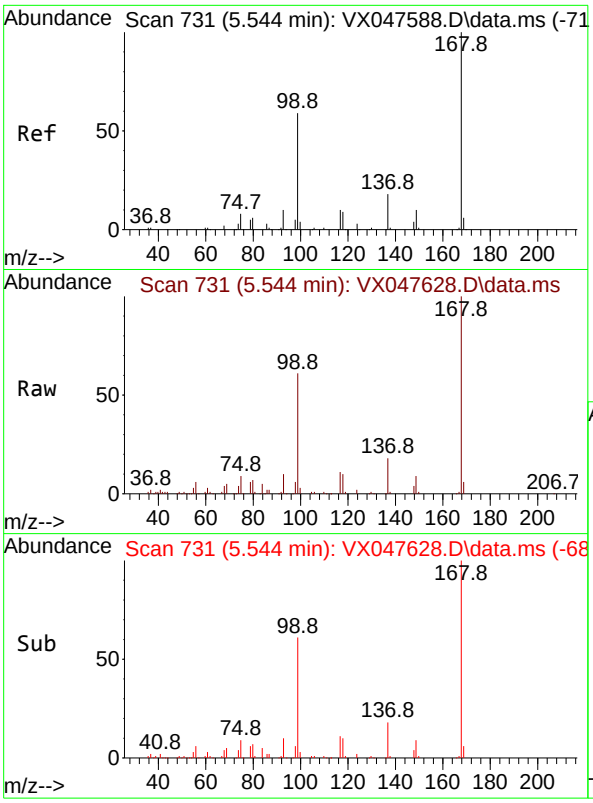
Quant Time: Sep 18 02:09:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MSD

Manual Integrations APPROVED

Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

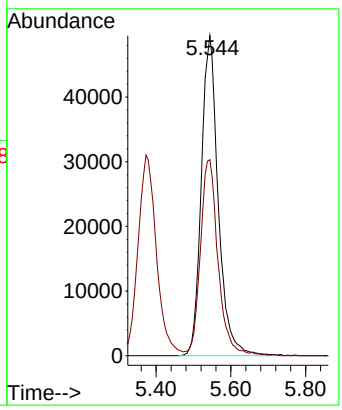




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047628.D
Acq: 17 Sep 2025 18:40

Tgt Ion:168 Resp: 15548

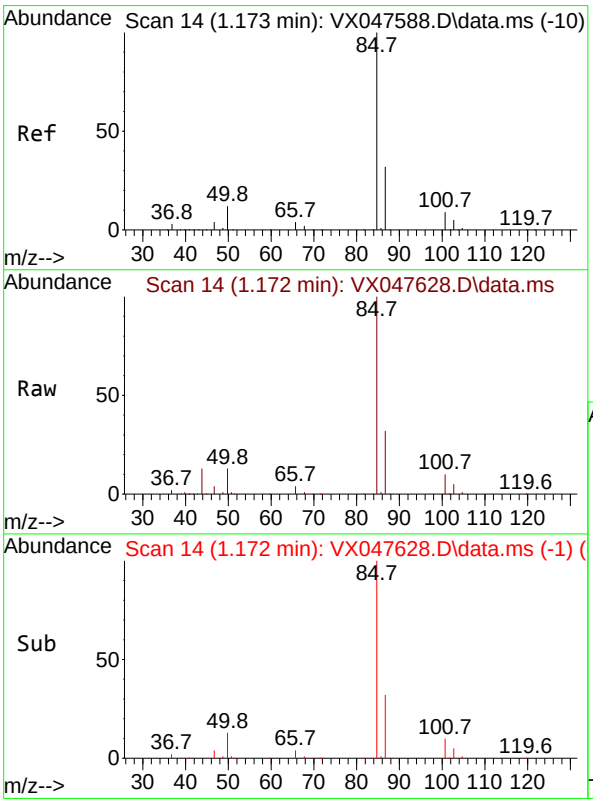
Ion	Ratio	Lower	Upper
168	100		
99	61.1	48.8	73.2



Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MSD

Manual Integrations
APPROVED

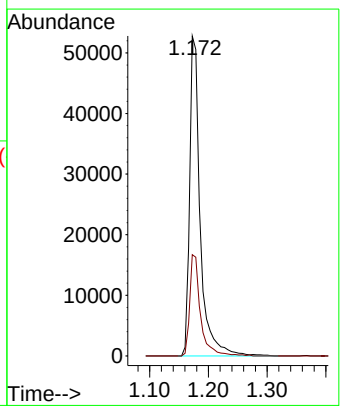
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

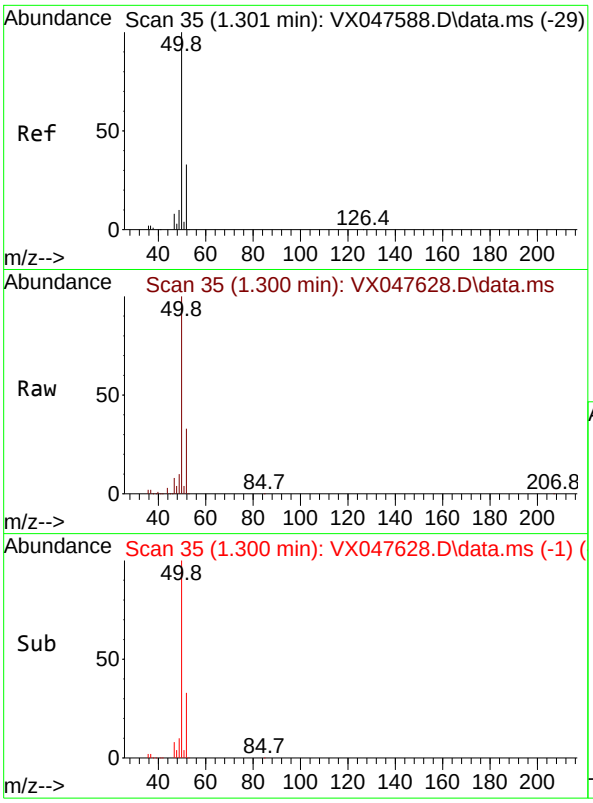


#2
Dichlorodifluoromethane
Concen: 41.067 ug/l
RT: 1.172 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047628.D
Acq: 17 Sep 2025 18:40

Tgt Ion: 85 Resp: 66121

Ion	Ratio	Lower	Upper
85	100		
87	31.7	15.8	47.3

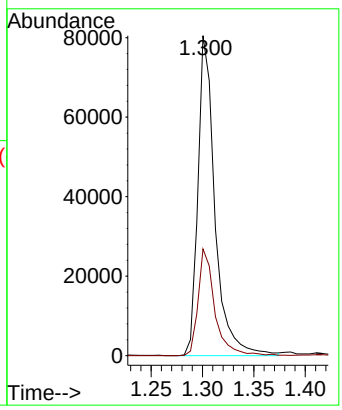




#3
Chloromethane
Concen: 43.998 ug/l
RT: 1.300 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047628.D
Acq: 17 Sep 2025 18:40

Tgt Ion: 50 Resp: 9310

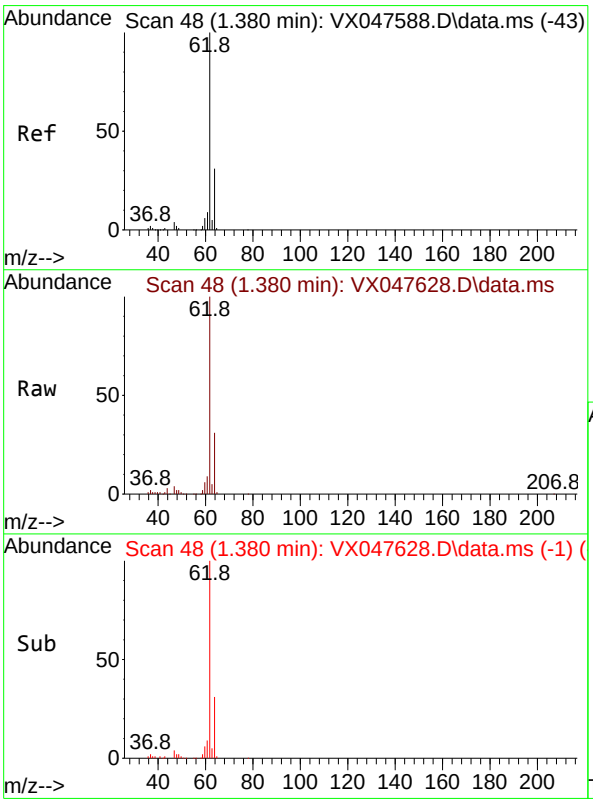
Ion	Ratio	Lower	Upper
50	100		
52	33.4	26.1	39.1



Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MSD

Manual Integrations
APPROVED

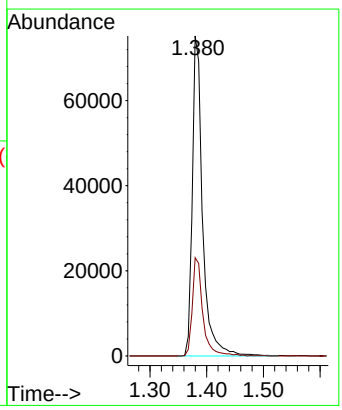
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

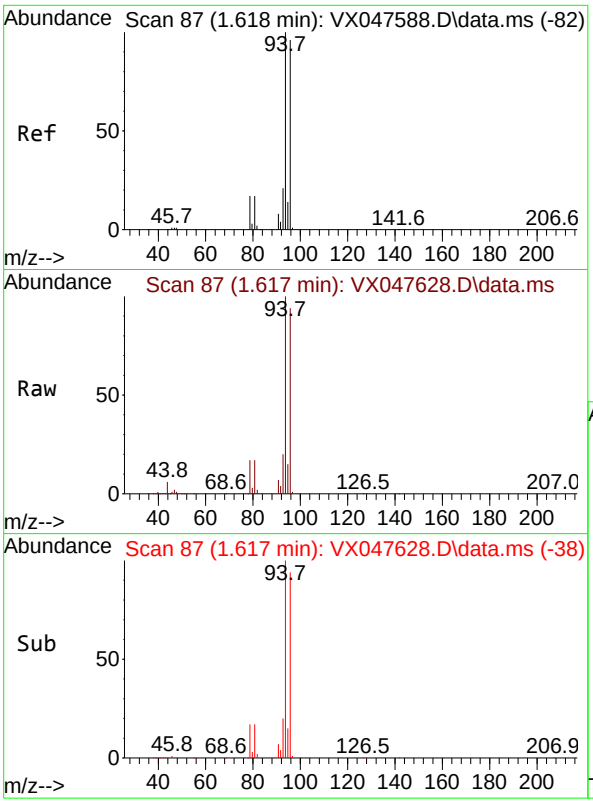


#4
Vinyl Chloride
Concen: 45.879 ug/l
RT: 1.380 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX047628.D
Acq: 17 Sep 2025 18:40

Tgt Ion: 62 Resp: 95035

Ion	Ratio	Lower	Upper
62	100		
64	30.7	24.9	37.3

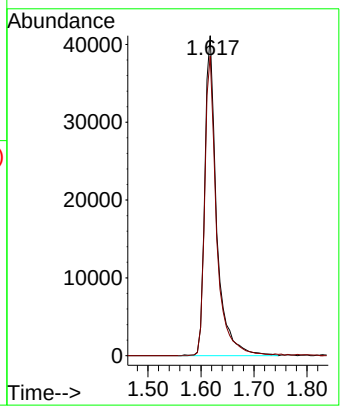




#5
Bromomethane
Concen: 48.581 ug/l
RT: 1.617 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX047628.D
Acq: 17 Sep 2025 18:40

Tgt Ion: 94 Resp: 6381

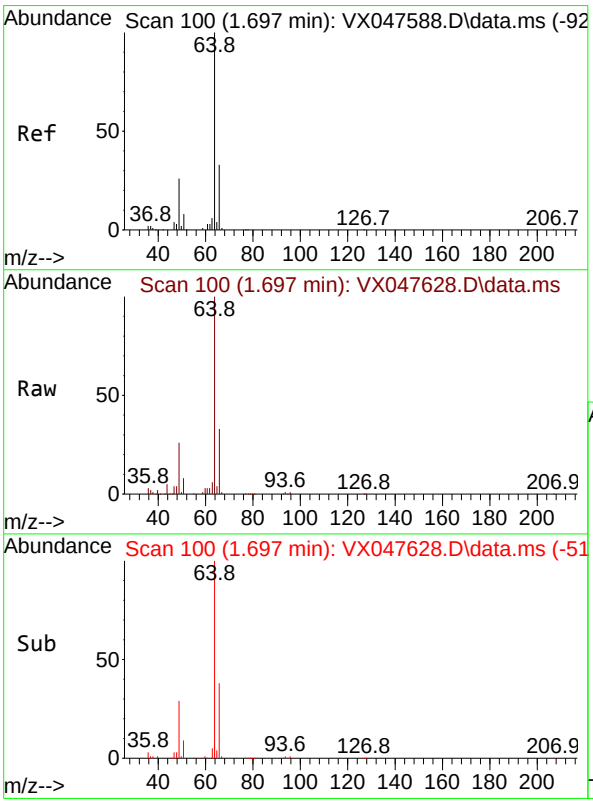
Ion	Ratio	Lower	Upper
94	100		
96	93.7	76.6	115.0



Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MSD

Manual Integrations
APPROVED

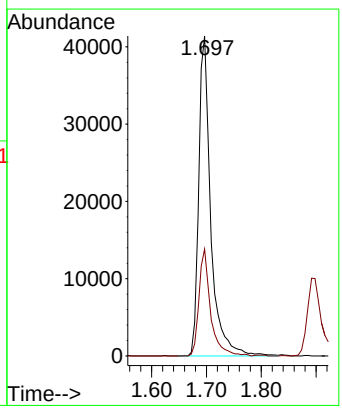
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

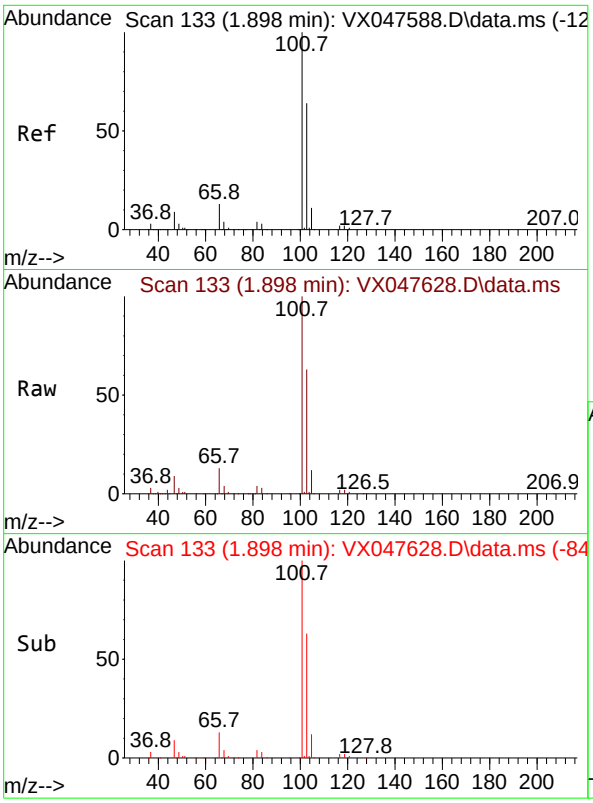


#6
Chloroethane
Concen: 45.742 ug/l
RT: 1.697 min Scan# 100
Delta R.T. -0.000 min
Lab File: VX047628.D
Acq: 17 Sep 2025 18:40

Tgt Ion: 64 Resp: 63329

Ion	Ratio	Lower	Upper
64	100		
66	33.4	26.1	39.1





#7
Trichlorofluoromethane
Concen: 44.648 ug/l
RT: 1.898 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047628.D
Acq: 17 Sep 2025 18:40

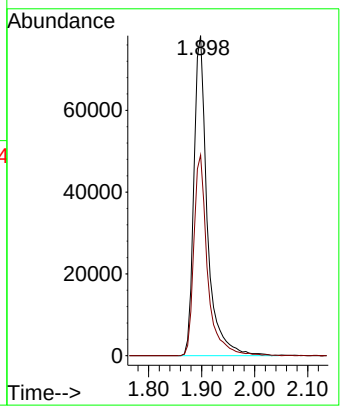
Tgt Ion:101 Resp: 13732

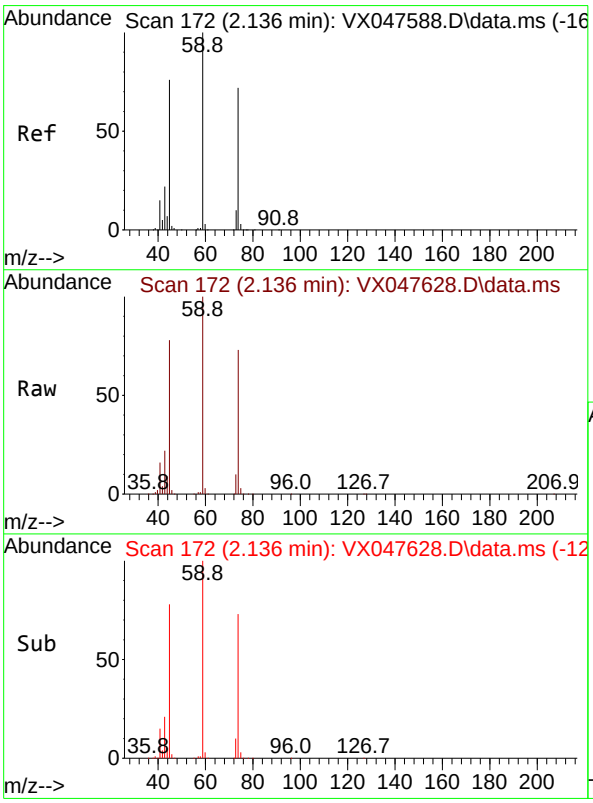
Ion	Ratio	Lower	Upper
101	100		
103	62.7	51.4	77.2

Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MSD

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

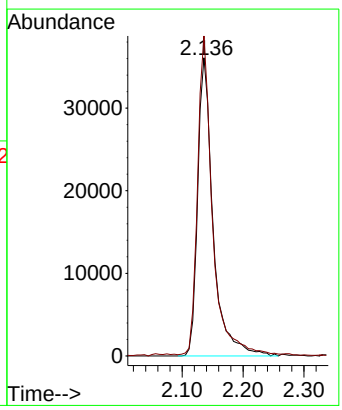


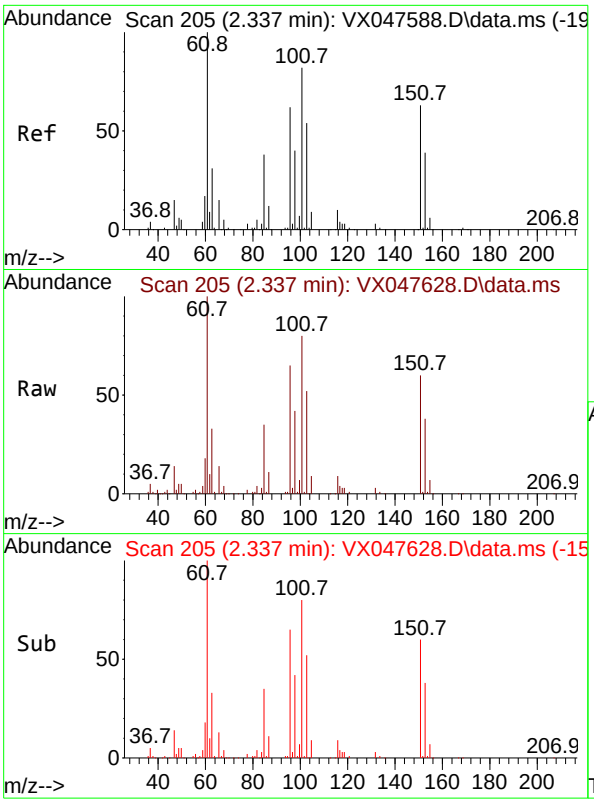


#8
Diethyl Ether
Concen: 50.367 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX047628.D
Acq: 17 Sep 2025 18:40

Tgt Ion: 74 Resp: 63370

Ion	Ratio	Lower	Upper
74	100		
45	102.8	52.3	156.8





#9
1,1,2-Trichlorotrifluoroethane
Concen: 44.731 ug/l
RT: 2.337 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047628.D
Acq: 17 Sep 2025 18:40

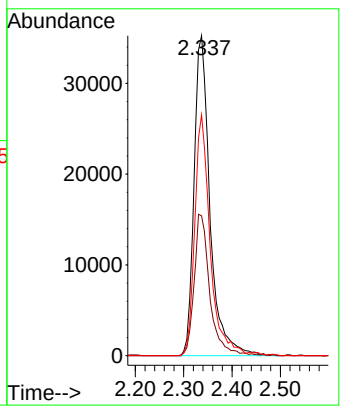
Tgt Ion:101 Resp: 8044

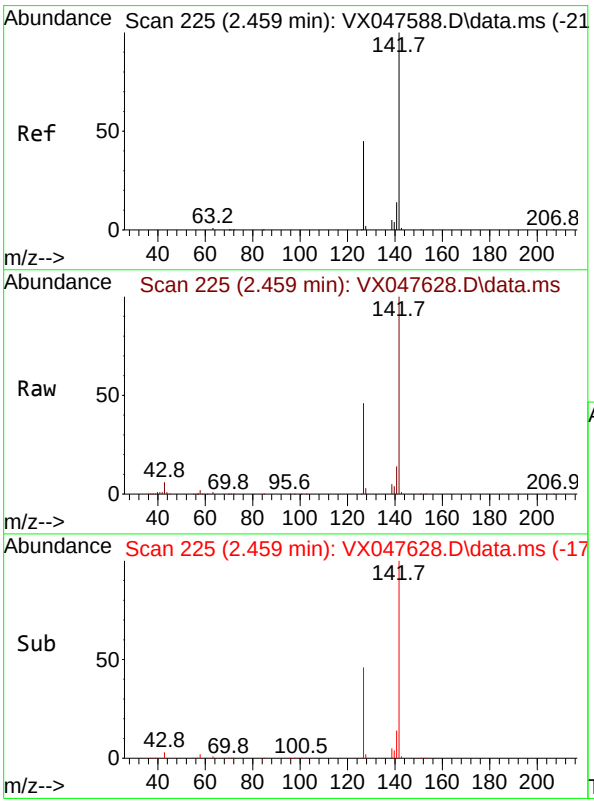
Ion	Ratio	Lower	Upper
101	100		
85	43.6	35.5	53.3
151	72.8	59.4	89.0

Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MSD

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

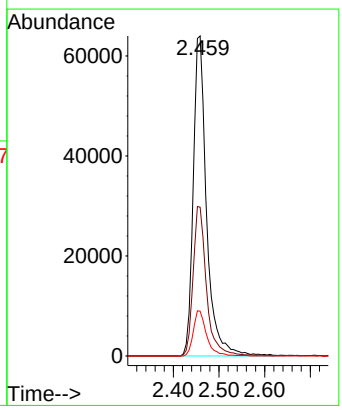


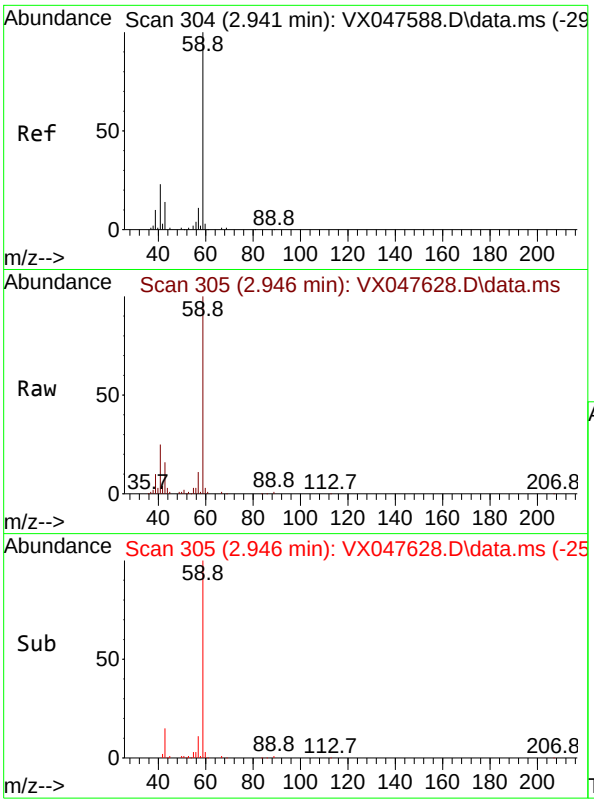


#10
Methyl Iodide
Concen: 46.290 ug/l
RT: 2.459 min Scan# 225
Delta R.T. -0.000 min
Lab File: VX047628.D
Acq: 17 Sep 2025 18:40

Tgt Ion:142 Resp: 129836

Ion	Ratio	Lower	Upper
142	100		
127	46.8	37.2	55.8
141	14.1	11.4	17.0

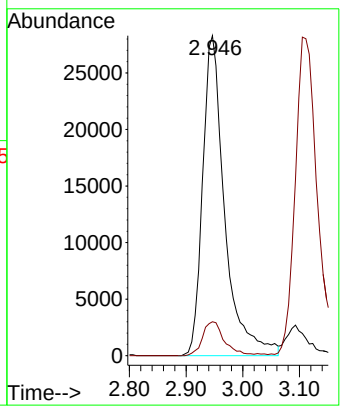




#11
Tert butyl alcohol
Concen: 277.803 ug/l
RT: 2.946 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX047628.D
Acq: 17 Sep 2025 18:40

Tgt Ion: 59 Resp: 7657

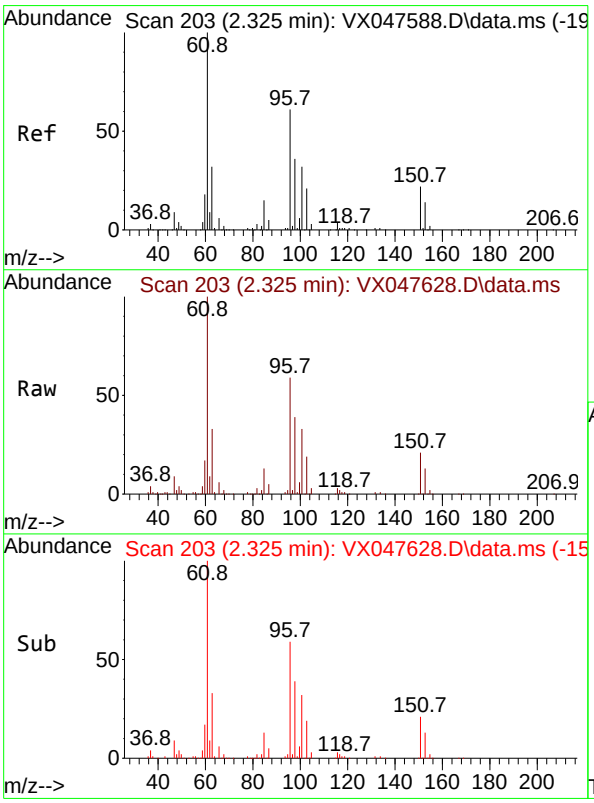
Ion	Ratio	Lower	Upper
59	100		
57	10.5	8.3	12.5



Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MSD

Manual Integrations
APPROVED

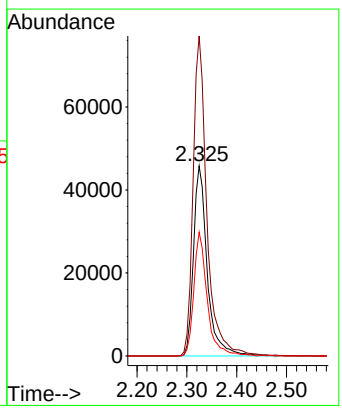
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

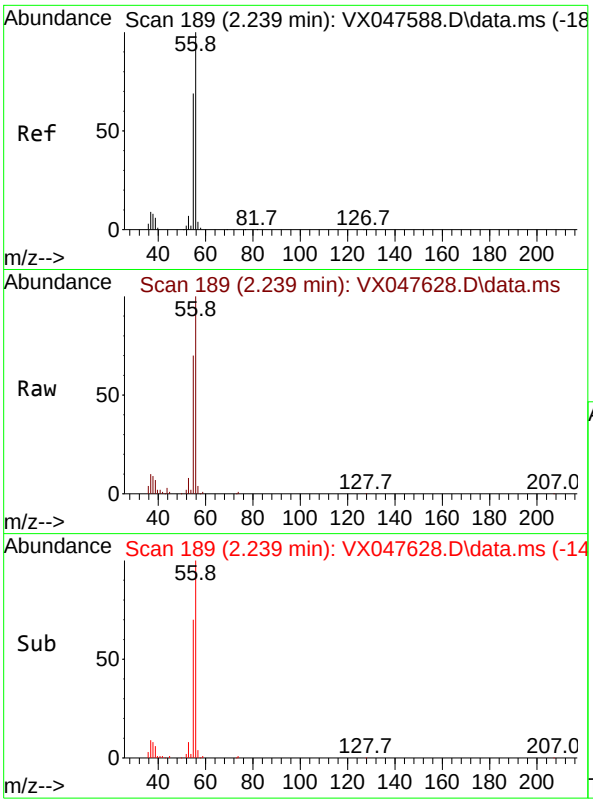


#12
1,1-Dichloroethene
Concen: 47.606 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX047628.D
Acq: 17 Sep 2025 18:40

Tgt Ion: 96 Resp: 87945

Ion	Ratio	Lower	Upper
96	100		
61	168.3	131.0	196.6
98	65.1	47.7	71.5

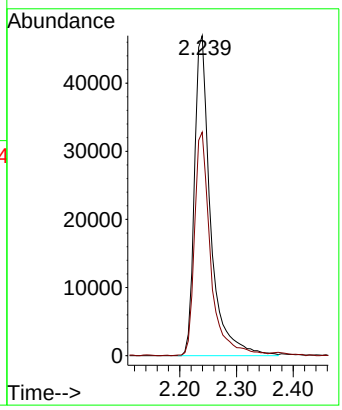




#13
Acrolein
Concen: 364.830 ug/l
RT: 2.239 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047628.D
Acq: 17 Sep 2025 18:40

Tgt Ion: 56 Resp: 9267

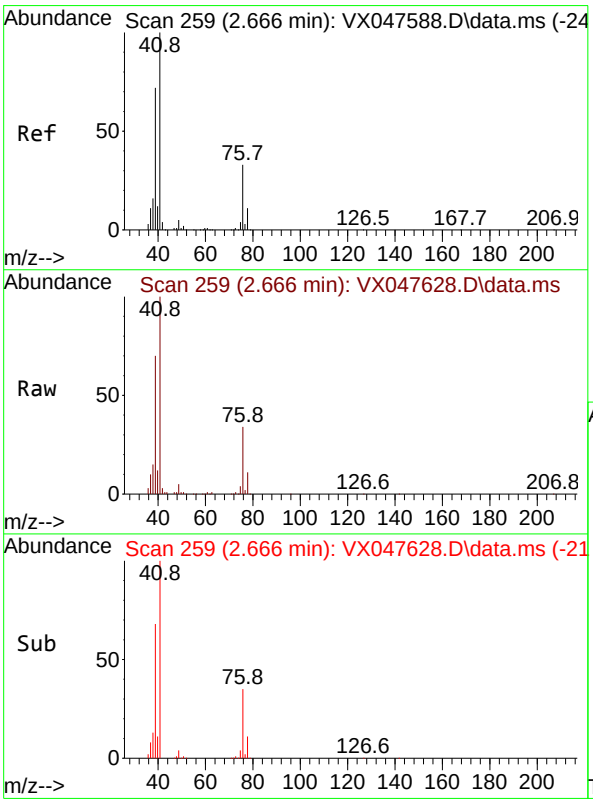
Ion	Ratio	Lower	Upper
56	100		
55	69.9	57.2	85.8



Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MSD

Manual Integrations
APPROVED

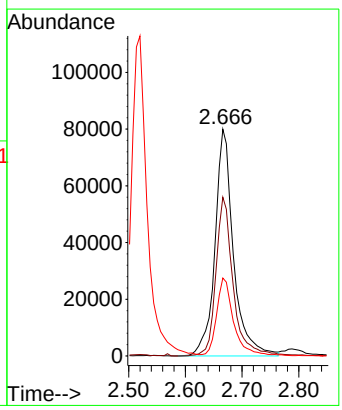
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

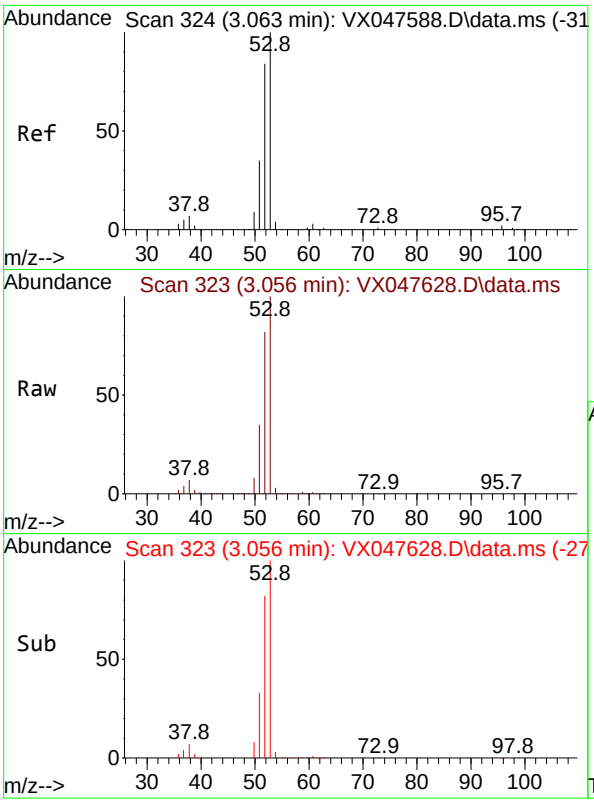


#14
Allyl chloride
Concen: 47.569 ug/l
RT: 2.666 min Scan# 259
Delta R.T. -0.000 min
Lab File: VX047628.D
Acq: 17 Sep 2025 18:40

Tgt Ion: 41 Resp: 181335

Ion	Ratio	Lower	Upper
41	100		
39	65.4	54.7	82.1
76	31.4	25.7	38.5

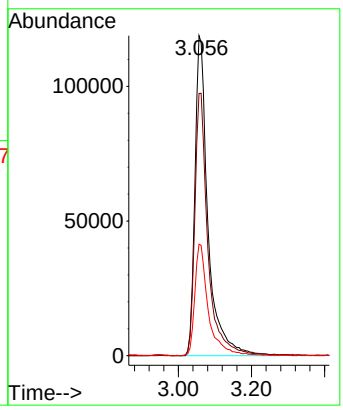




#15
Acrylonitrile
Concen: 290.931 ug/l
RT: 3.056 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047628.D
Acq: 17 Sep 2025 18:40

Tgt Ion: 53 Resp: 29704

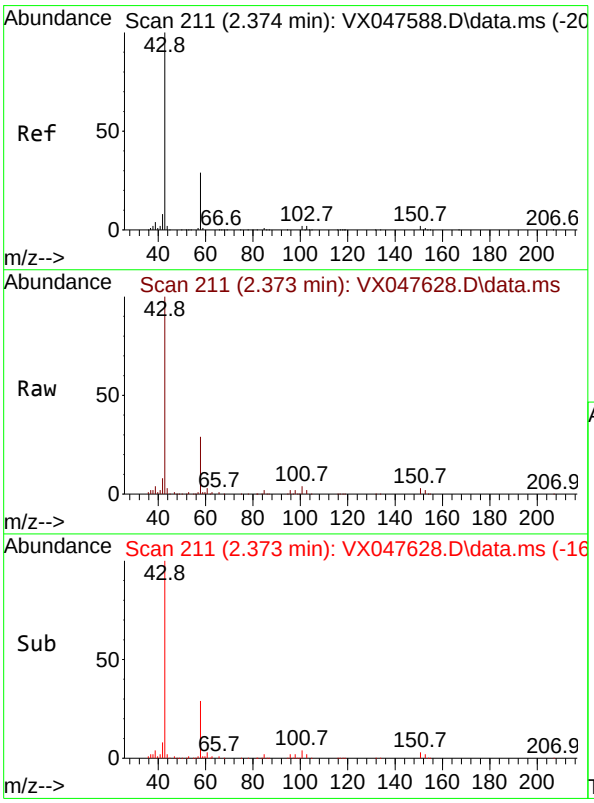
Ion	Ratio	Lower	Upper
53	100		
52	81.8	66.4	99.6
51	36.4	29.5	44.3



Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MSD

Manual Integrations
APPROVED

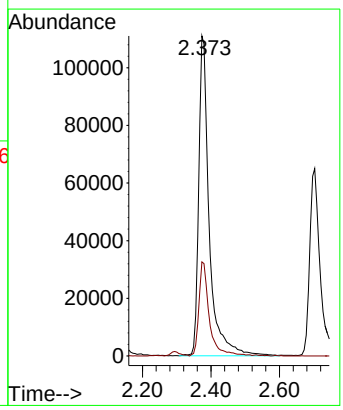
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

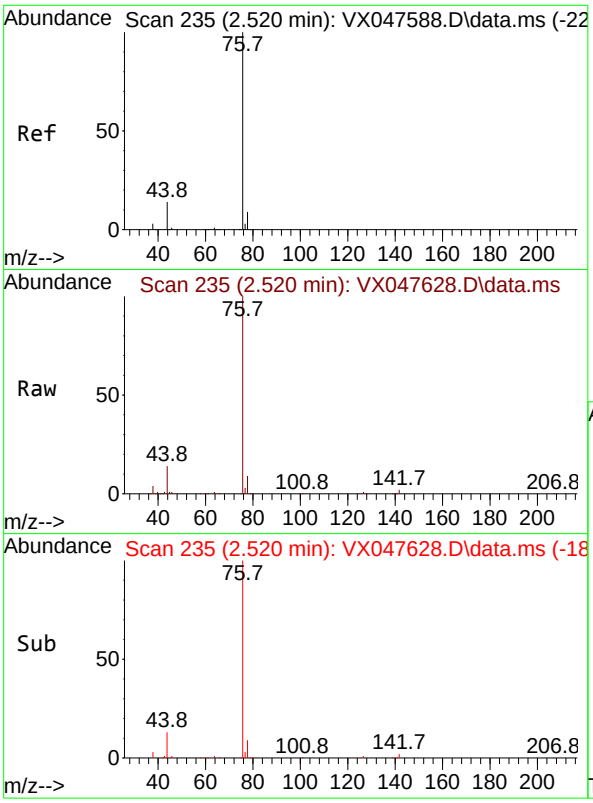


#16
Acetone
Concen: 220.235 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX047628.D
Acq: 17 Sep 2025 18:40

Tgt Ion: 43 Resp: 236999

Ion	Ratio	Lower	Upper
43	100		
58	29.4	23.4	35.0

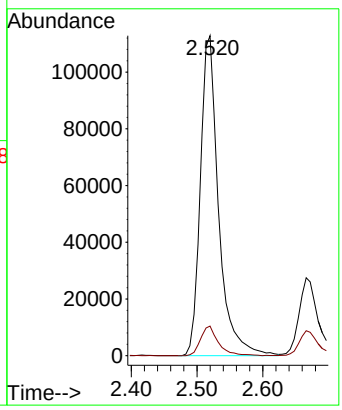




#17
Carbon Disulfide
Concen: 43.058 ug/l
RT: 2.520 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047628.D
Acq: 17 Sep 2025 18:40

Tgt Ion: 76 Resp: 21775

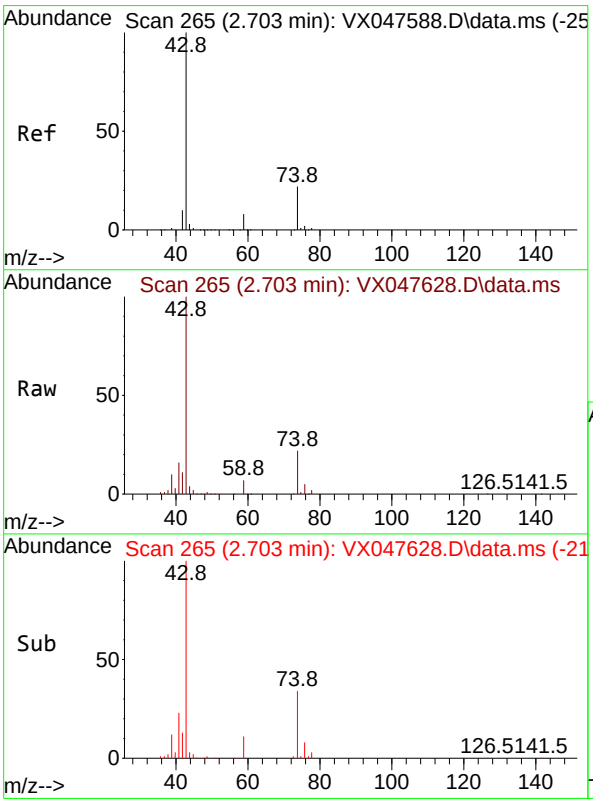
Ion	Ratio	Lower	Upper
76	100		
78	9.3	6.8	10.2



Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MSD

Manual Integrations
APPROVED

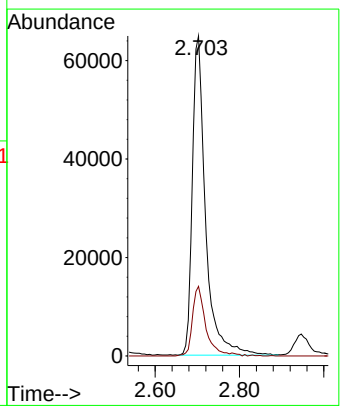
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

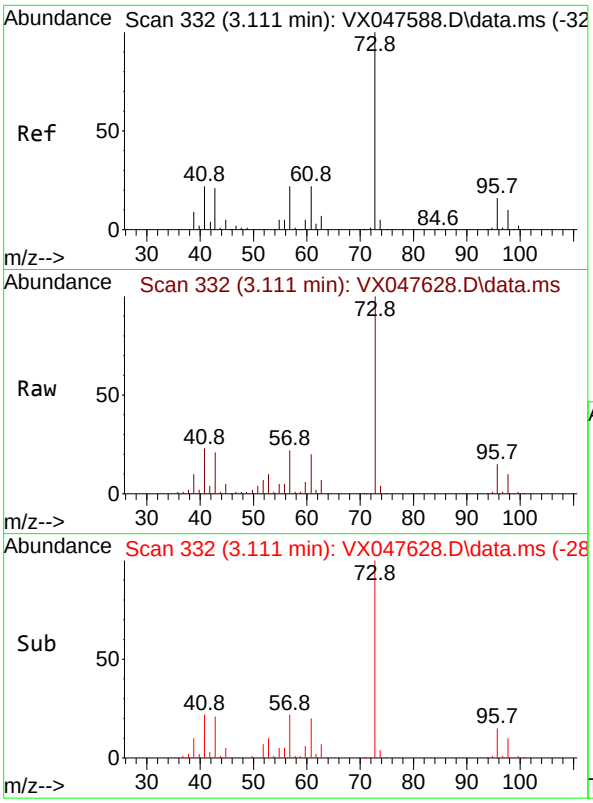


#18
Methyl Acetate
Concen: 59.025 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX047628.D
Acq: 17 Sep 2025 18:40

Tgt Ion: 43 Resp: 141359

Ion	Ratio	Lower	Upper
43	100		
74	22.1	17.4	26.2





#19
Methyl tert-butyl Ether
Concen: 52.277 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047628.D
Acq: 17 Sep 2025 18:40

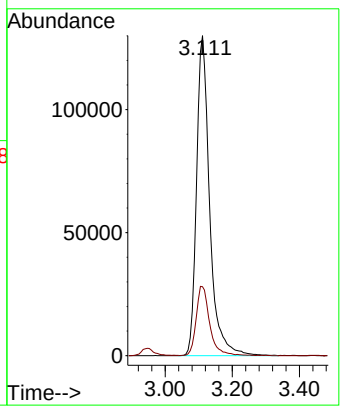
Tgt Ion: 73 Resp: 35253

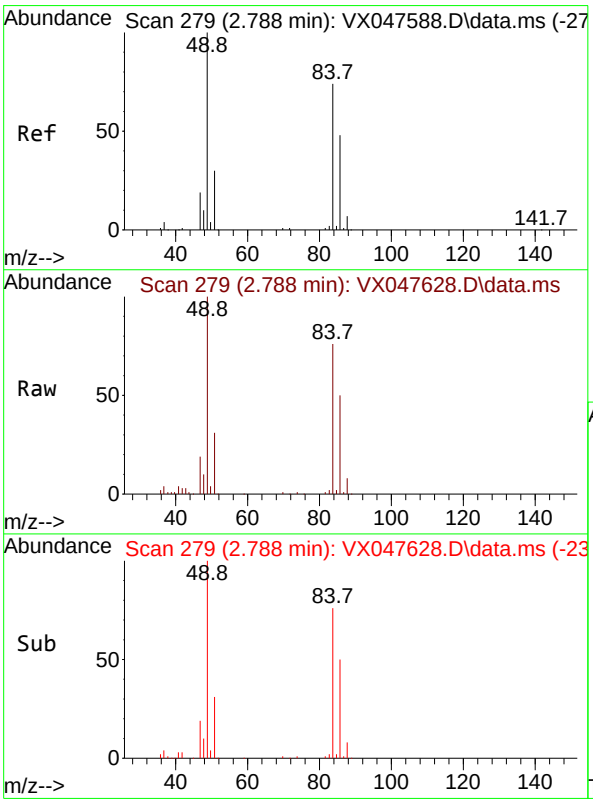
Ion	Ratio	Lower	Upper
73	100		
57	21.6	17.4	26.2

Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MSD

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

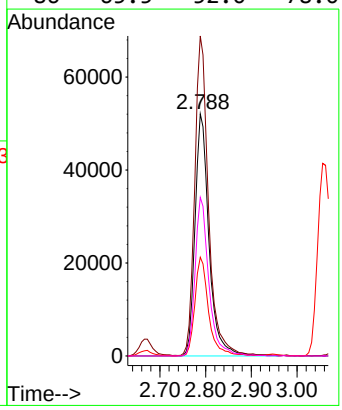


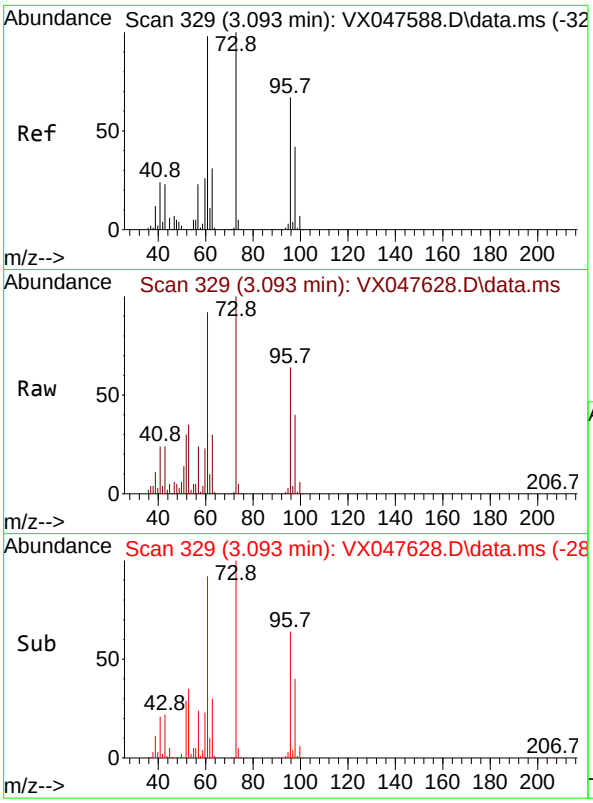


#20
Methylene Chloride
Concen: 48.517 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX047628.D
Acq: 17 Sep 2025 18:40

Tgt Ion: 84 Resp: 110515

Ion	Ratio	Lower	Upper
84	100		
49	132.0	108.6	162.8
51	40.7	32.6	48.8
86	65.5	52.0	78.0

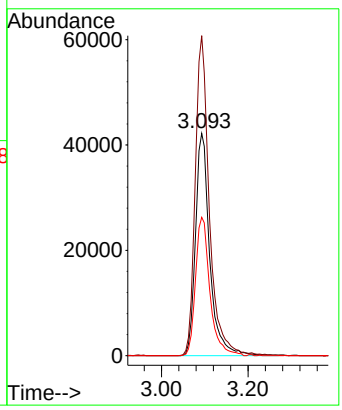




#21
trans-1,2-Dichloroethene
Concen: 48.448 ug/l
RT: 3.093 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047628.D
Acq: 17 Sep 2025 18:40

Tgt Ion: 96 Resp: 9635

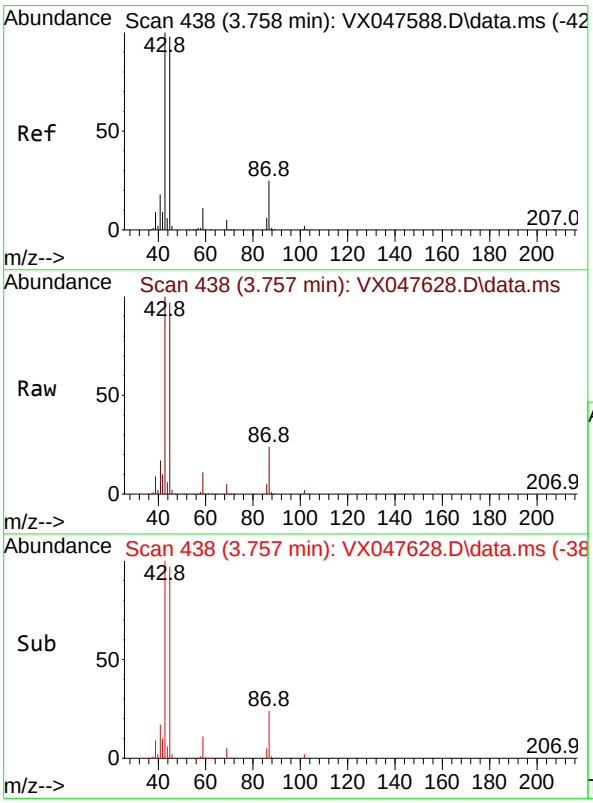
Ion	Ratio	Lower	Upper
96	100		
61	144.0	116.2	174.2
98	62.3	49.3	73.9



Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MSD

Manual Integrations
APPROVED

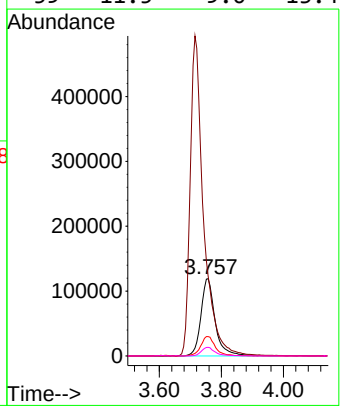
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

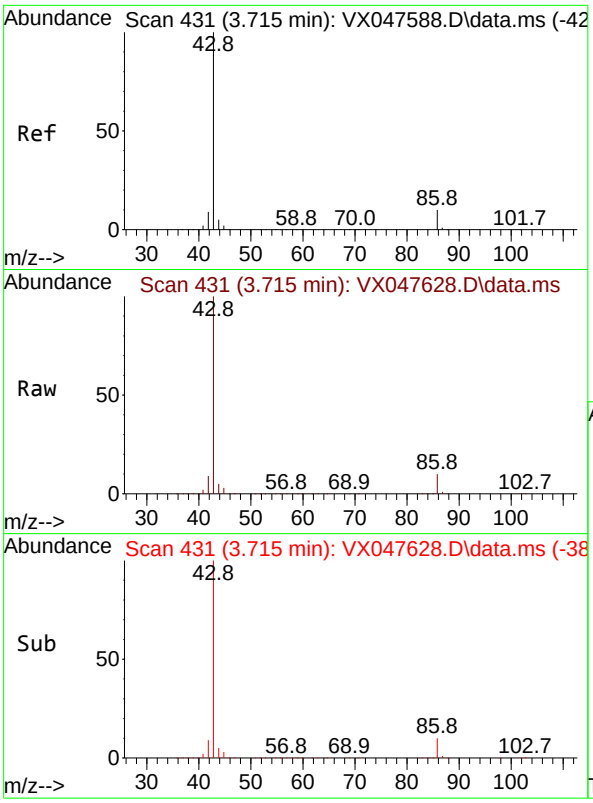


#22
Diisopropyl ether
Concen: 51.218 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.000 min
Lab File: VX047628.D
Acq: 17 Sep 2025 18:40

Tgt Ion: 45 Resp: 378389

Ion	Ratio	Lower	Upper
45	100		
43	103.5	81.0	121.4
87	25.1	20.3	30.5
59	11.5	9.0	13.4

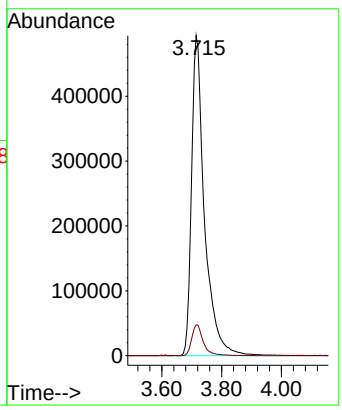




#23
Vinyl Acetate
Concen: 251.106 ug/l
RT: 3.715 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX047628.D
Acq: 17 Sep 2025 18:40

Tgt Ion: 43 Resp: 148475

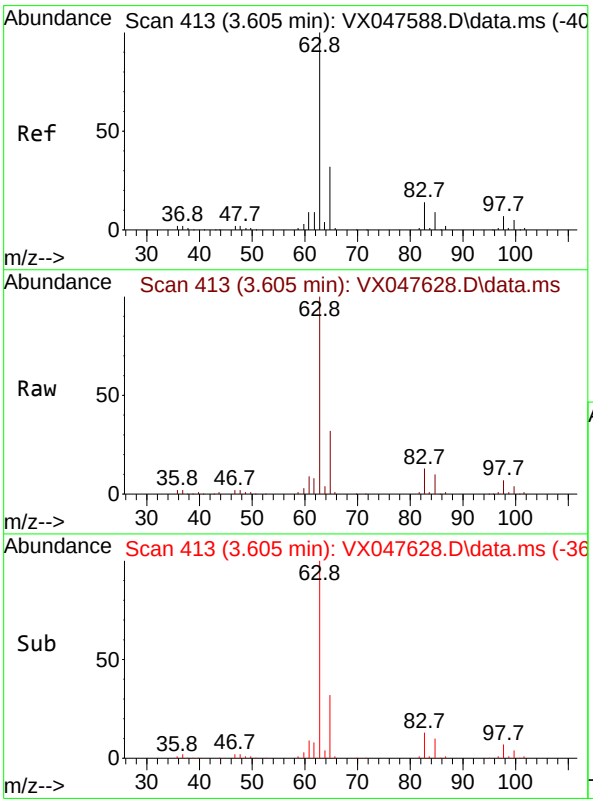
Ion	Ratio	Lower	Upper
43	100		
86	9.6	7.8	11.8



Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MSD

Manual Integrations
APPROVED

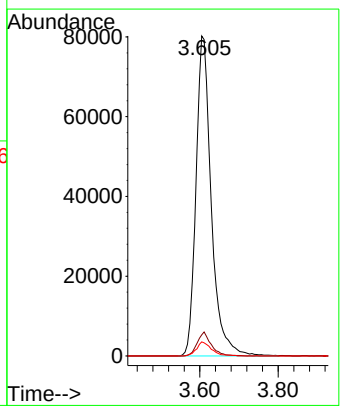
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

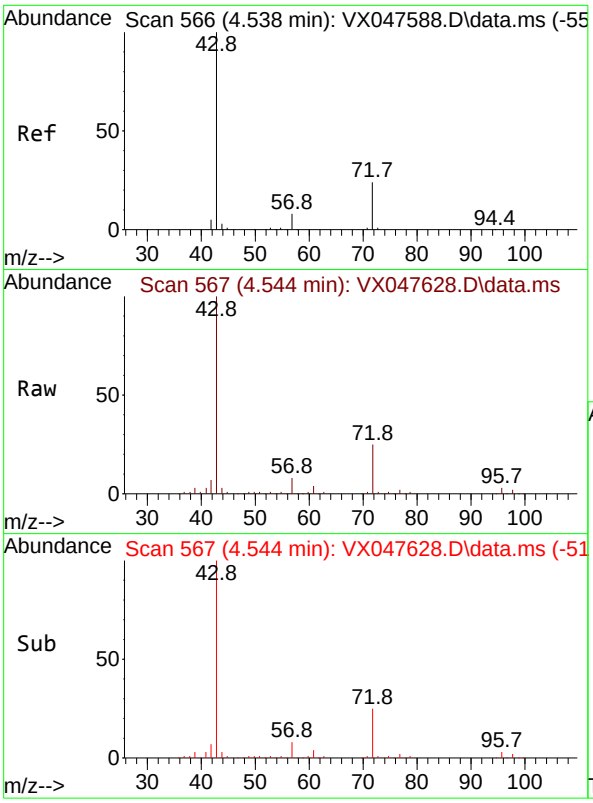


#24
1,1-Dichloroethane
Concen: 55.577 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX047628.D
Acq: 17 Sep 2025 18:40

Tgt Ion: 63 Resp: 218234

Ion	Ratio	Lower	Upper
63	100		
98	6.6	3.8	11.2
100	4.4	2.3	6.9





#25
2-Butanone
Concen: 274.548 ug/l
RT: 4.544 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX047628.D
Acq: 17 Sep 2025 18:40

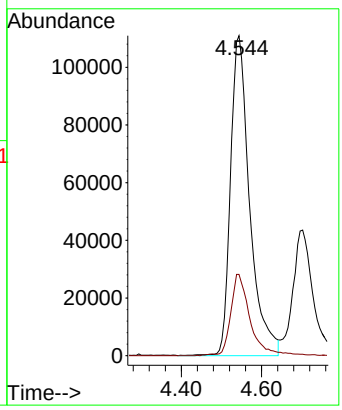
Tgt Ion: 43 Resp: 36853

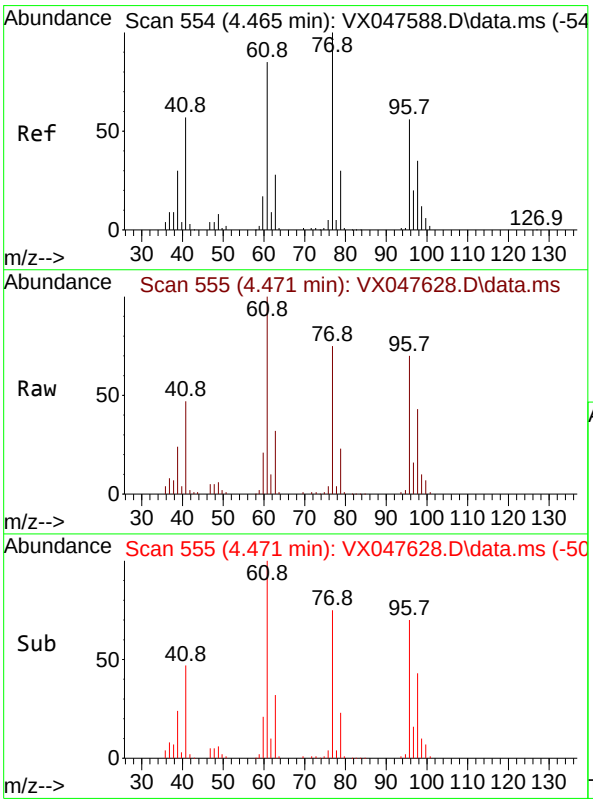
Ion	Ratio	Lower	Upper
43	100		
72	25.6	20.1	30.1

Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MSD

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

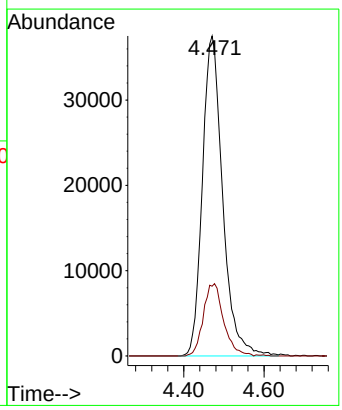


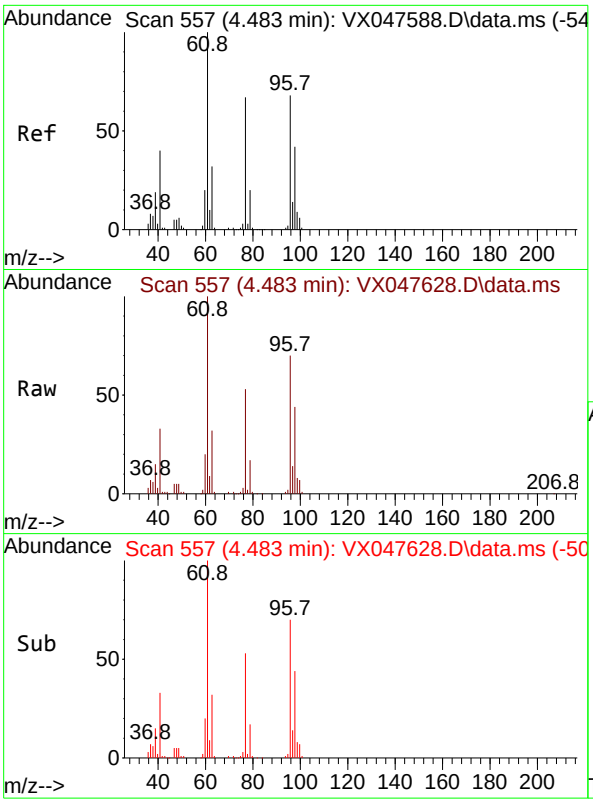


#26
2,2-Dichloropropane
Concen: 40.293 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX047628.D
Acq: 17 Sep 2025 18:40

Tgt Ion: 77 Resp: 131521

Ion	Ratio	Lower	Upper
77	100		
97	22.6	10.9	32.7

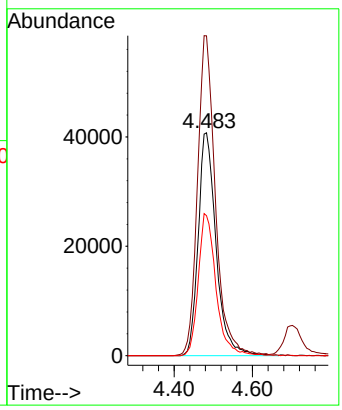




#27
cis-1,2-Dichloroethene
Concen: 53.024 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX047628.D
Acq: 17 Sep 2025 18:40

Tgt Ion: 96 Resp: 12915

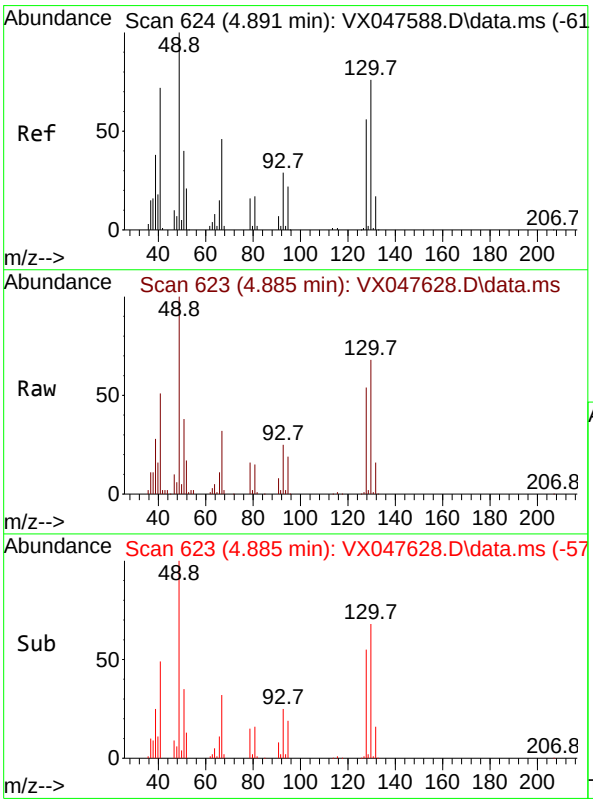
Ion	Ratio	Lower	Upper
96	100		
61	144.1	0.0	303.2
98	63.1	0.0	127.8



Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MSD

Manual Integrations
APPROVED

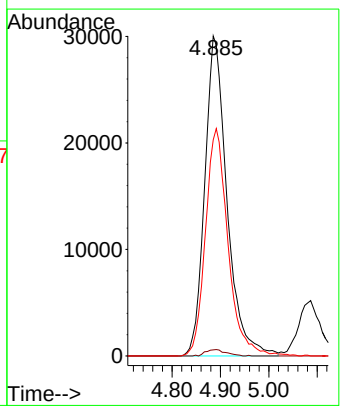
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

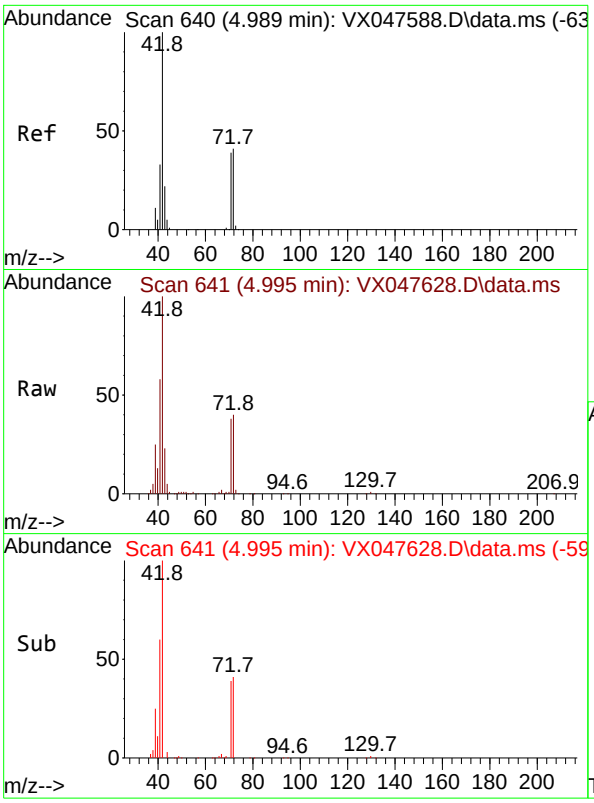


#28
Bromochloromethane
Concen: 56.105 ug/l
RT: 4.885 min Scan# 623
Delta R.T. -0.006 min
Lab File: VX047628.D
Acq: 17 Sep 2025 18:40

Tgt Ion: 49 Resp: 96180

Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.2
130	72.1	57.8	86.8

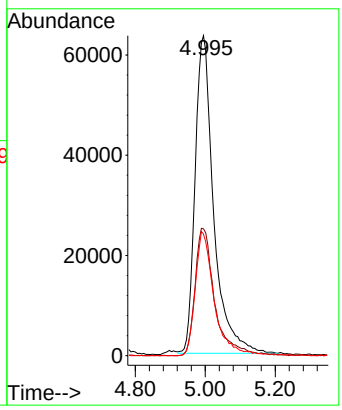




#29
Tetrahydrofuran
Concen: 289.109 ug/l
RT: 4.995 min Scan# 64
Delta R.T. 0.006 min
Lab File: VX047628.D
Acq: 17 Sep 2025 18:40

Tgt Ion: 42 Resp: 23345

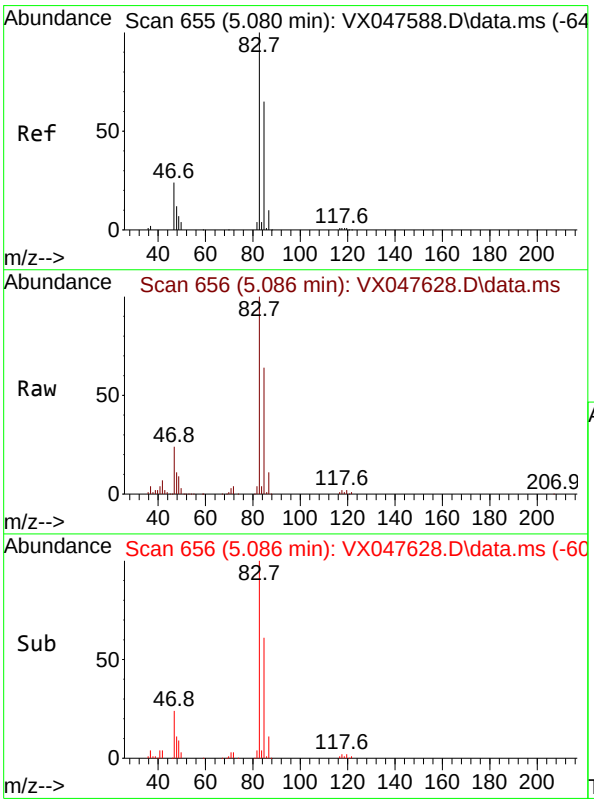
Ion	Ratio	Lower	Upper
42	100		
72	42.2	34.2	51.2
71	39.7	31.9	47.9



Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MSD

Manual Integrations
APPROVED

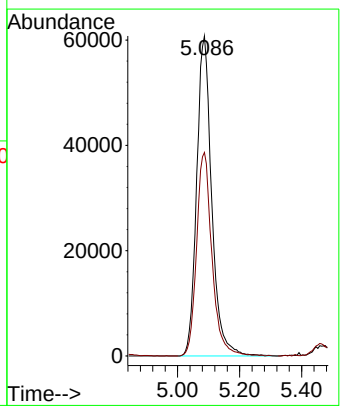
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

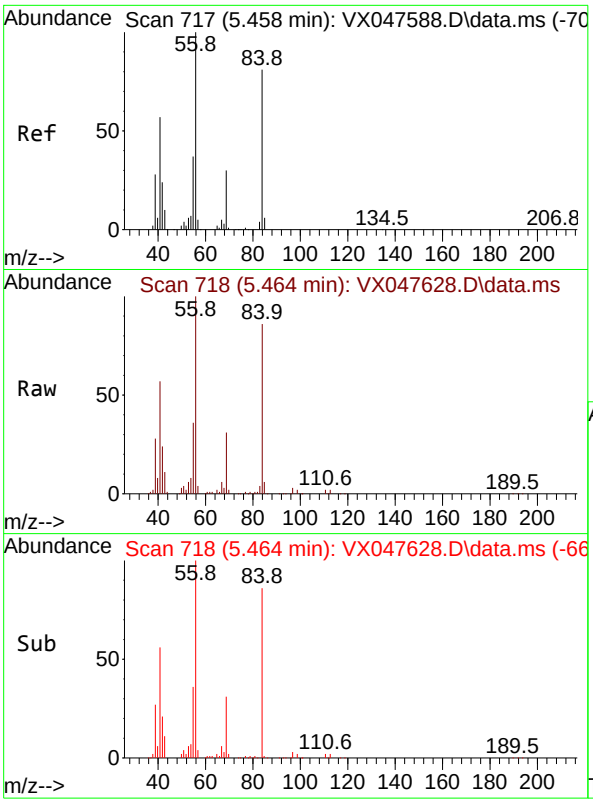


#30
Chloroform
Concen: 51.472 ug/l
RT: 5.086 min Scan# 656
Delta R.T. 0.006 min
Lab File: VX047628.D
Acq: 17 Sep 2025 18:40

Tgt Ion: 83 Resp: 204242

Ion	Ratio	Lower	Upper
83	100		
85	63.6	51.8	77.6

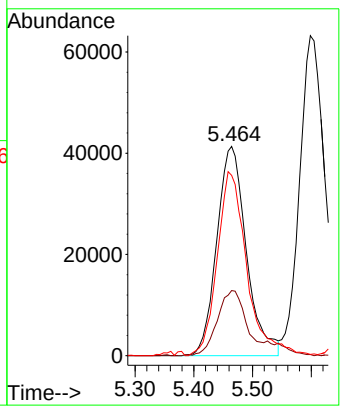




#31
Cyclohexane
Concen: 44.167 ug/l
RT: 5.464 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047628.D
Acq: 17 Sep 2025 18:40

Tgt Ion: 56 Resp: 14444

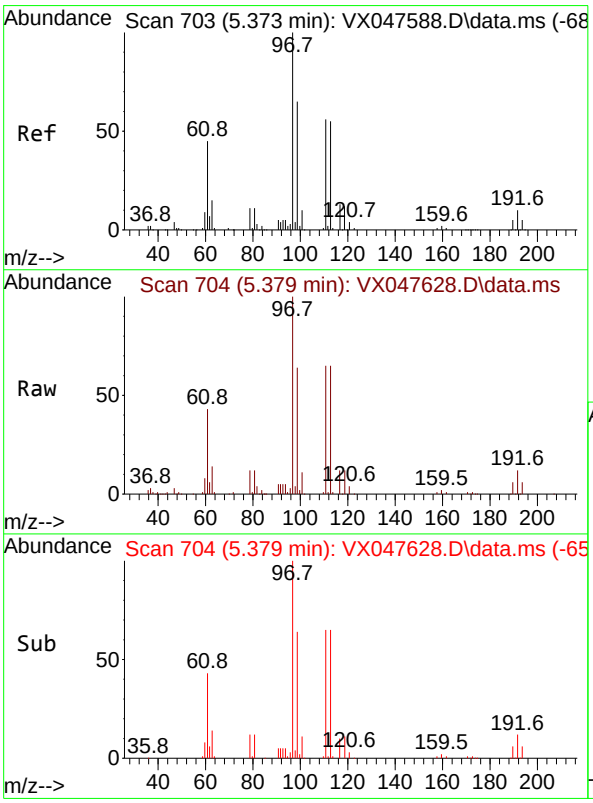
Ion	Ratio	Lower	Upper
56	100		
69	30.8	23.8	35.8
84	84.3	64.6	97.0



Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MSD

Manual Integrations
APPROVED

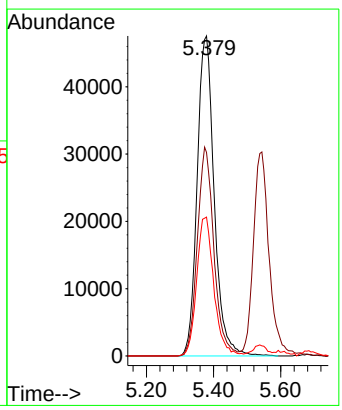
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

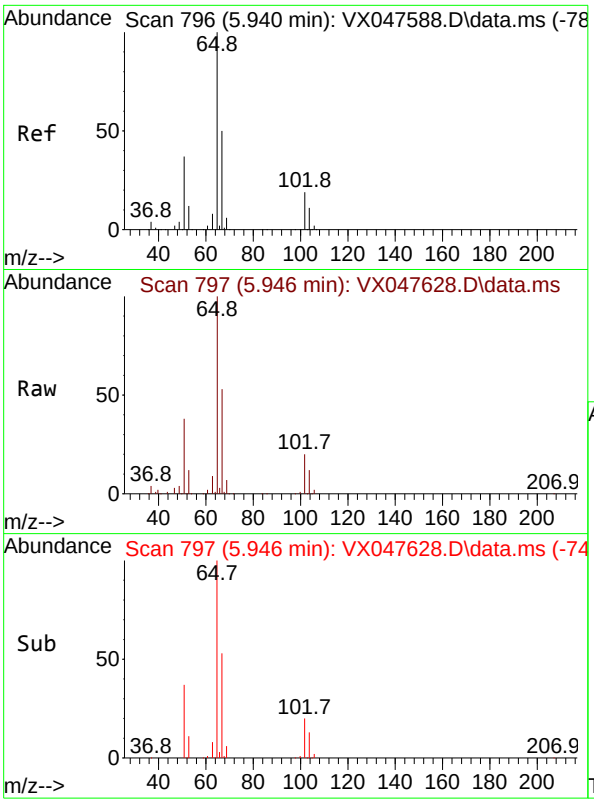


#32
1,1,1-Trichloroethane
Concen: 49.907 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX047628.D
Acq: 17 Sep 2025 18:40

Tgt Ion: 97 Resp: 167974

Ion	Ratio	Lower	Upper
97	100		
99	63.1	50.6	76.0
61	43.8	35.8	53.8

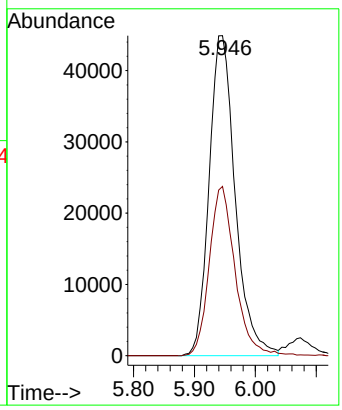




#33
1,2-Dichloroethane-d4
Concen: 53.973 ug/l
RT: 5.946 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047628.D
Acq: 17 Sep 2025 18:40

Tgt Ion: 65 Resp: 13358

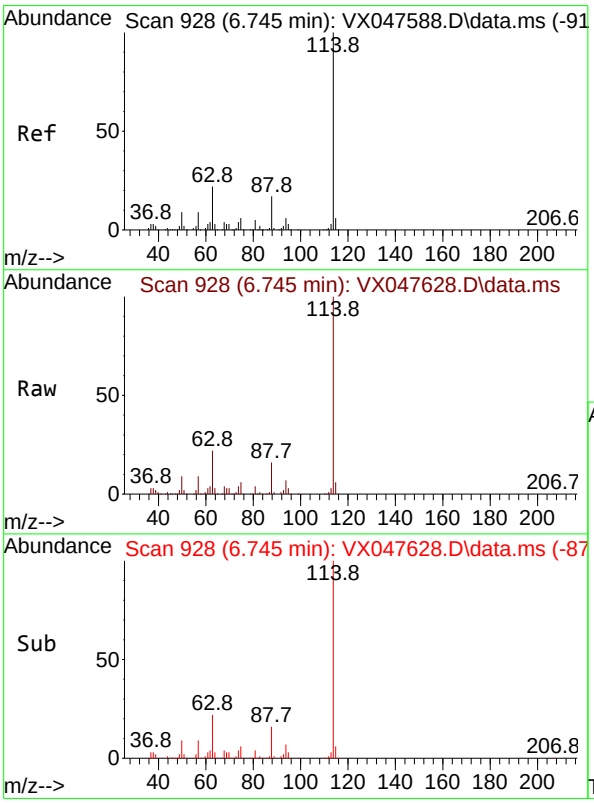
Ion	Ratio	Lower	Upper
65	100		
67	52.4	0.0	103.0



Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MSD

Manual Integrations
APPROVED

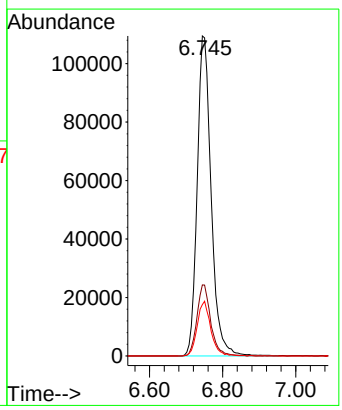
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

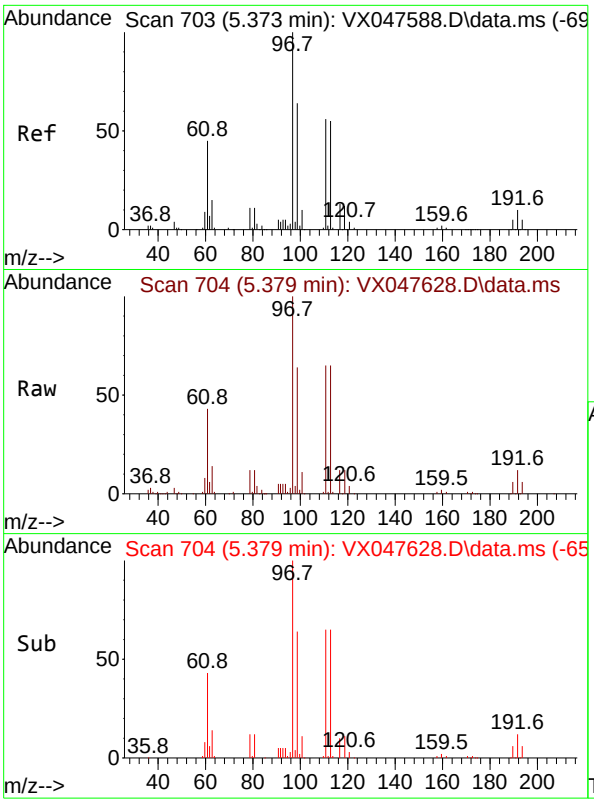


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 928
Delta R.T. -0.000 min
Lab File: VX047628.D
Acq: 17 Sep 2025 18:40

Tgt Ion:114 Resp: 290897

Ion	Ratio	Lower	Upper
114	100		
63	22.2	0.0	44.0
88	16.0	0.0	34.2

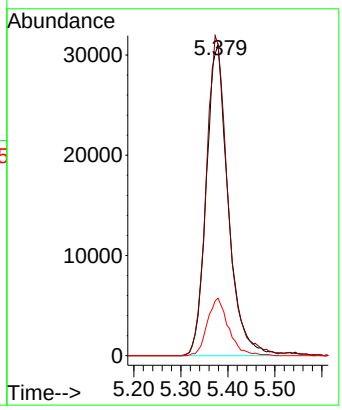




#35
Dibromofluoromethane
Concen: 51.400 ug/l
RT: 5.379 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047628.D
Acq: 17 Sep 2025 18:40

Tgt Ion:113 Resp: 10027

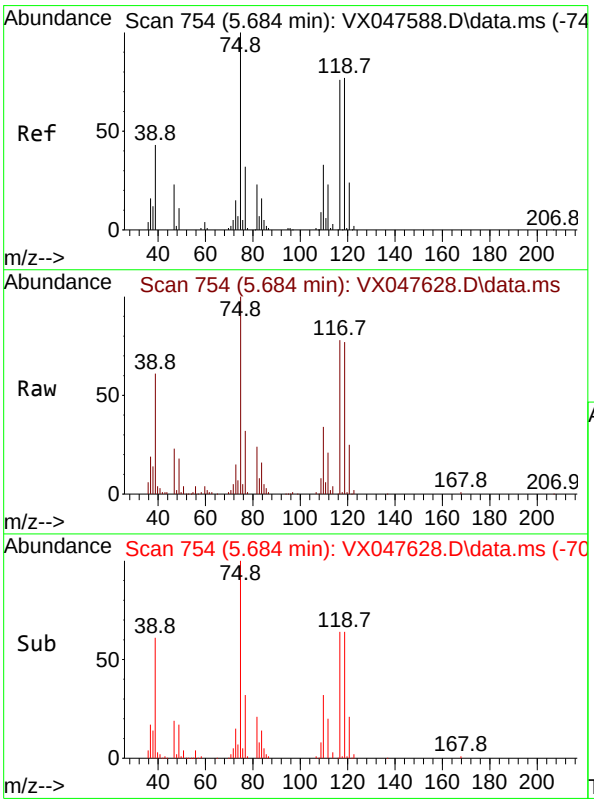
Ion	Ratio	Lower	Upper
113	100		
111	102.5	80.9	121.3
192	18.0	14.2	21.4



Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MSD

Manual Integrations
APPROVED

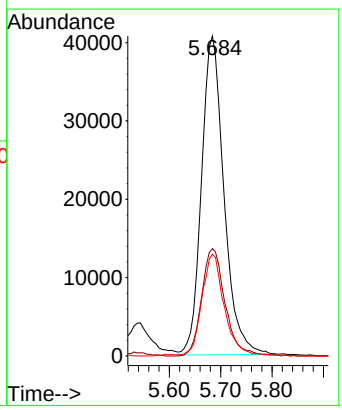
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

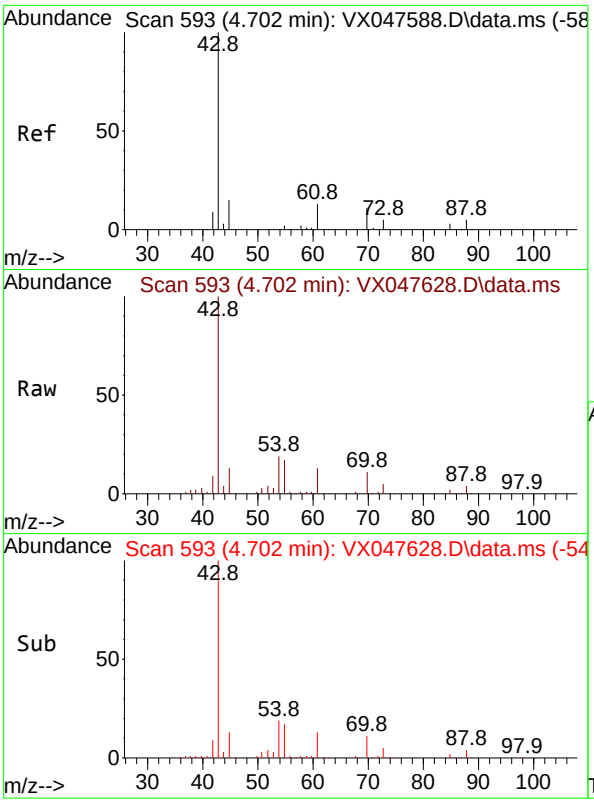


#36
1,1-Dichloropropene
Concen: 43.375 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.000 min
Lab File: VX047628.D
Acq: 17 Sep 2025 18:40

Tgt Ion: 75 Resp: 123652

Ion	Ratio	Lower	Upper
75	100		
110	35.1	16.7	50.1
77	32.0	24.3	36.5

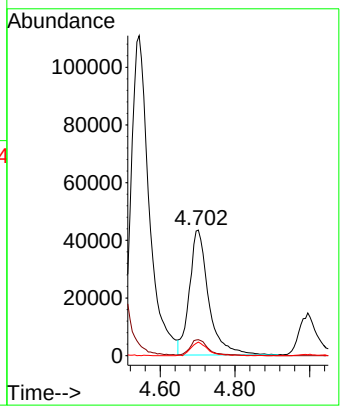




#37
Ethyl Acetate
Concen: 50.641 ug/l
RT: 4.702 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX047628.D
Acq: 17 Sep 2025 18:40

Tgt Ion: 43 Resp: 15457

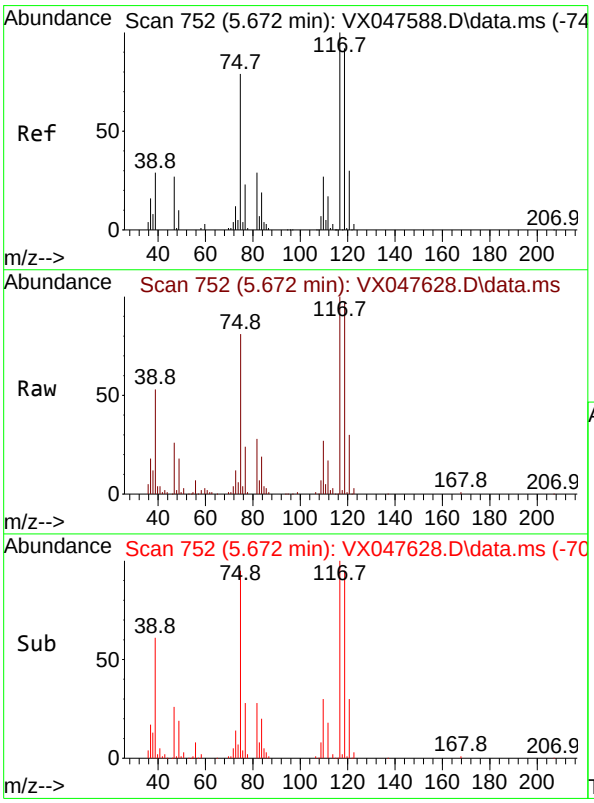
Ion	Ratio	Lower	Upper
43	100		
61	11.8	9.8	14.8
70	9.4	7.9	11.9



Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MSD

Manual Integrations
APPROVED

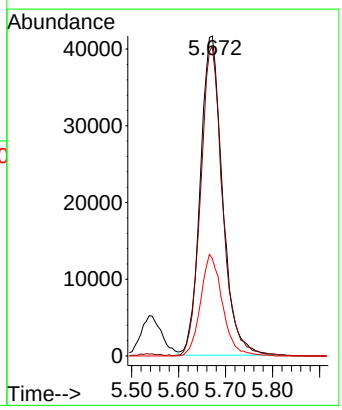
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

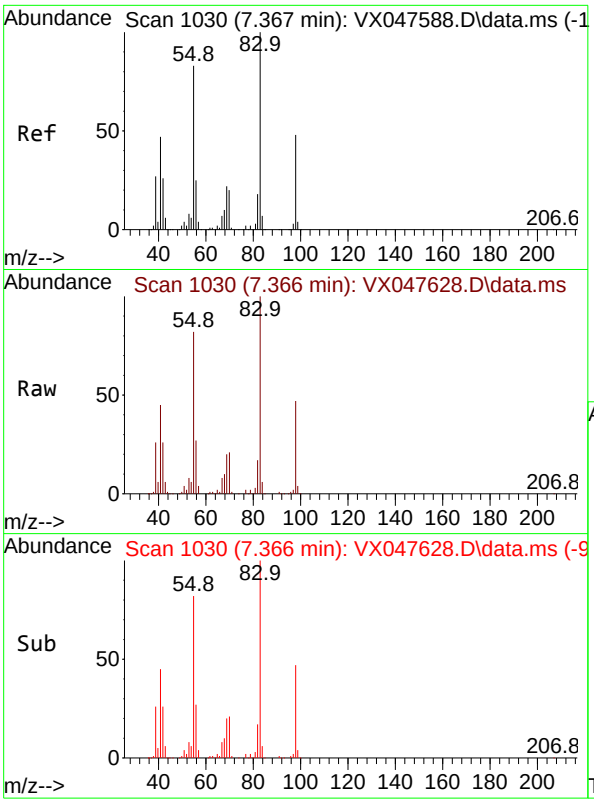


#38
Carbon Tetrachloride
Concen: 44.018 ug/l
RT: 5.672 min Scan# 752
Delta R.T. -0.000 min
Lab File: VX047628.D
Acq: 17 Sep 2025 18:40

Tgt Ion:117 Resp: 136341

Ion	Ratio	Lower	Upper
117	100		
119	96.7	73.4	110.2
121	30.5	23.8	35.6

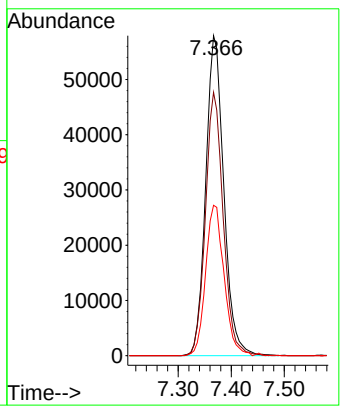




#39
Methylcyclohexane
Concen: 42.377 ug/l
RT: 7.366 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047628.D
Acq: 17 Sep 2025 18:40

Tgt Ion: 83 Resp: 13713

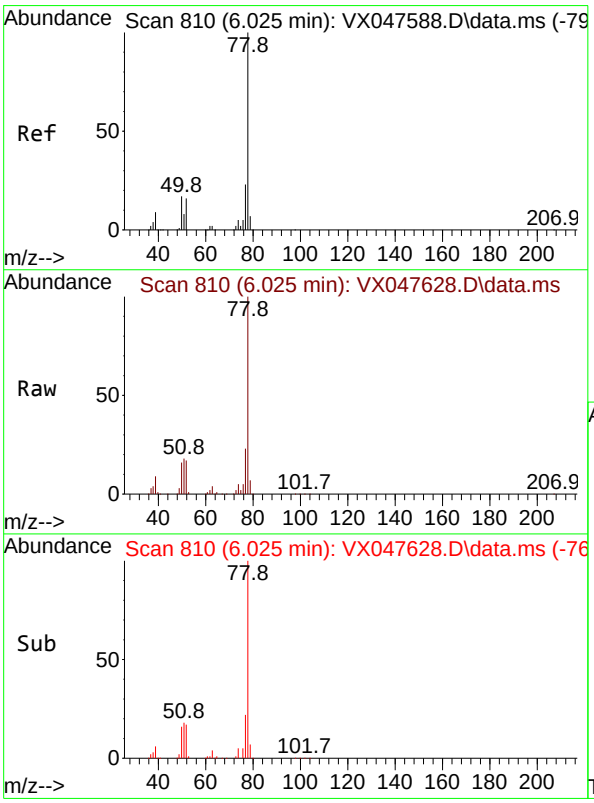
Ion	Ratio	Lower	Upper
83	100		
55	82.3	66.4	99.6
98	47.0	38.1	57.1



Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MSD

Manual Integrations
APPROVED

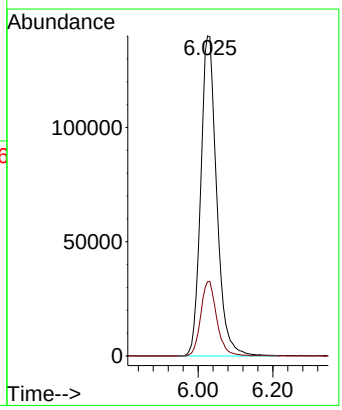
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

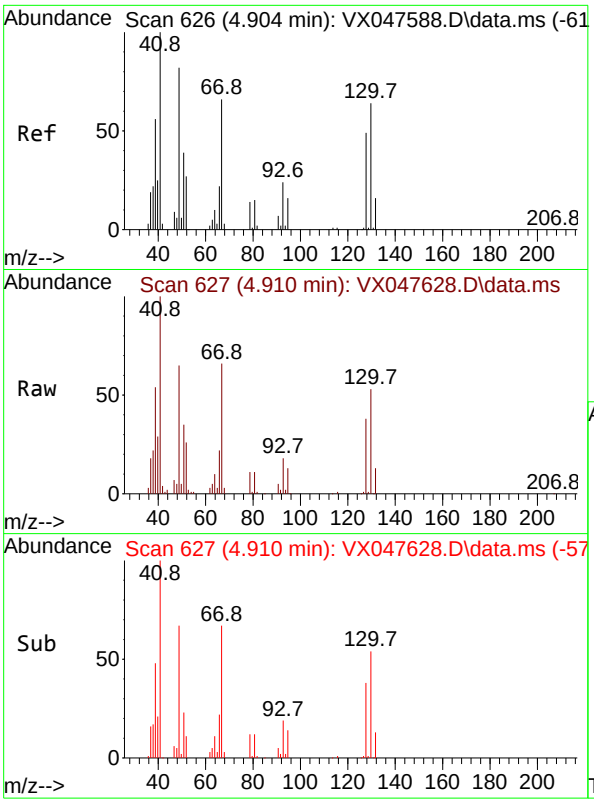


#40
Benzene
Concen: 47.890 ug/l
RT: 6.025 min Scan# 810
Delta R.T. -0.000 min
Lab File: VX047628.D
Acq: 17 Sep 2025 18:40

Tgt Ion: 78 Resp: 414655

Ion	Ratio	Lower	Upper
78	100		
77	23.2	18.8	28.2

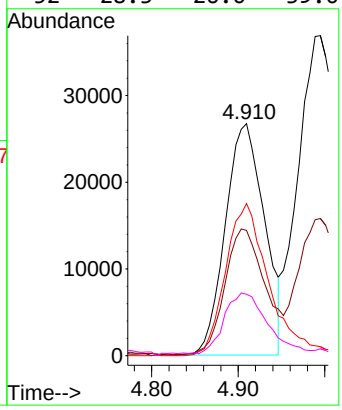




#41
Methacrylonitrile
Concen: 53.262 ug/l
RT: 4.910 min Scan# 6
Delta R.T. 0.006 min
Lab File: VX047628.D
Acq: 17 Sep 2025 18:40

Tgt Ion: 41 Resp: 8393

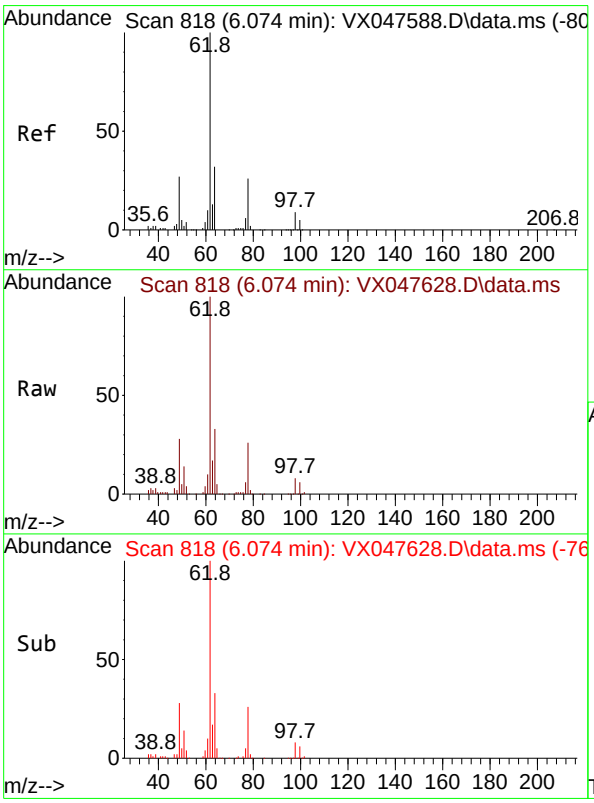
Ion	Ratio	Lower	Upper
41	100		
39	56.1	43.3	64.9
67	73.7	58.6	87.8
52	28.3	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MSD

Manual Integrations
APPROVED

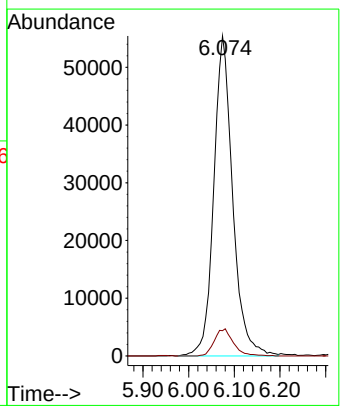
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

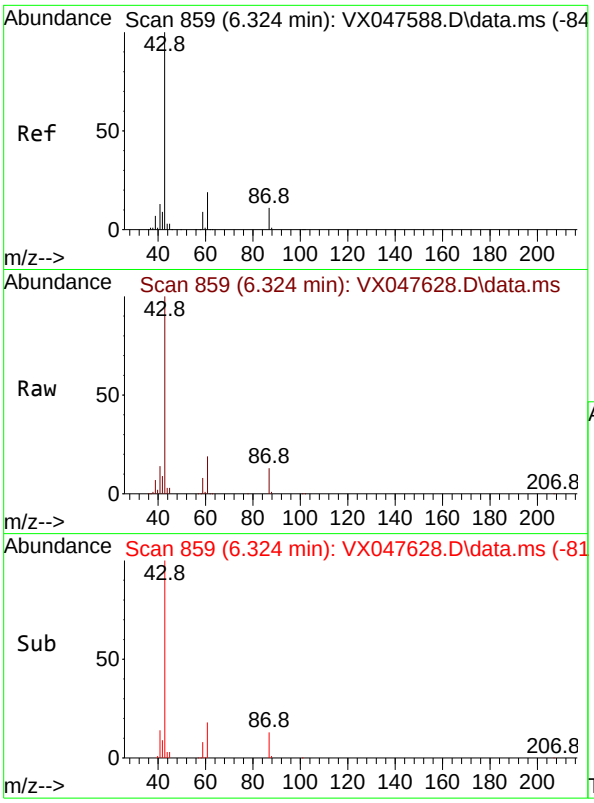


#42
1,2-Dichloroethane
Concen: 48.433 ug/l
RT: 6.074 min Scan# 818
Delta R.T. -0.000 min
Lab File: VX047628.D
Acq: 17 Sep 2025 18:40

Tgt Ion: 62 Resp: 159558

Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	17.0

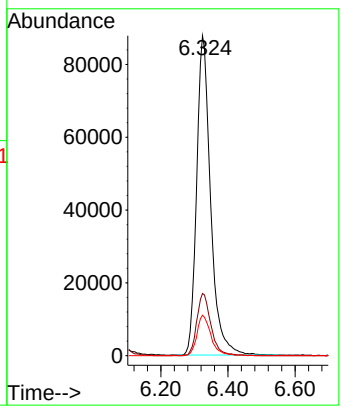




#43
Isopropyl Acetate
Concen: 50.592 ug/l
RT: 6.324 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX047628.D
Acq: 17 Sep 2025 18:40

Tgt Ion: 43 Resp: 25326

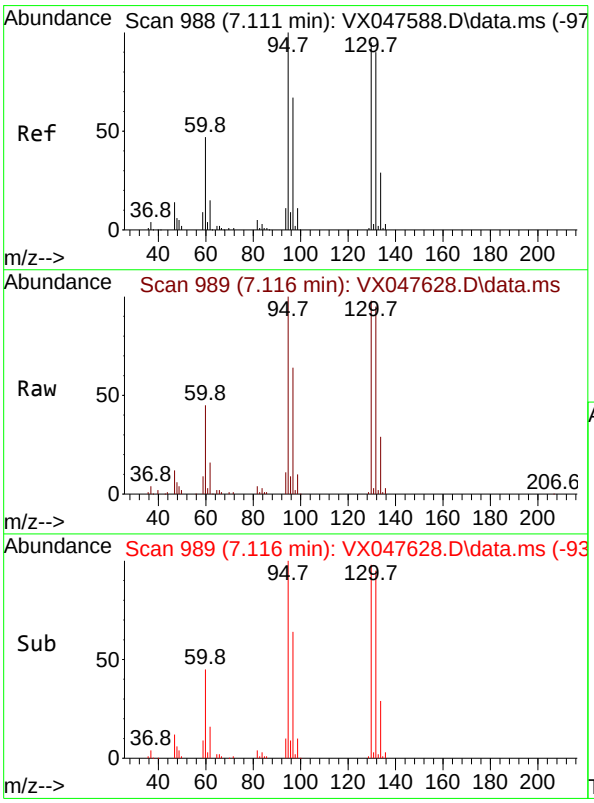
Ion	Ratio	Lower	Upper
43	100		
61	19.8	15.2	22.8
87	12.6	9.6	14.4



Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MSD

Manual Integrations
APPROVED

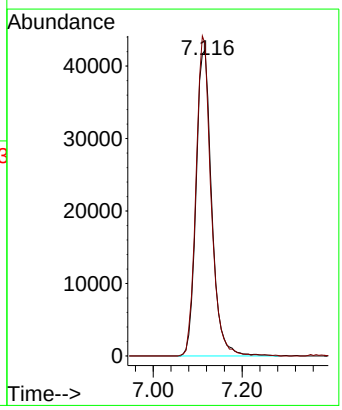
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

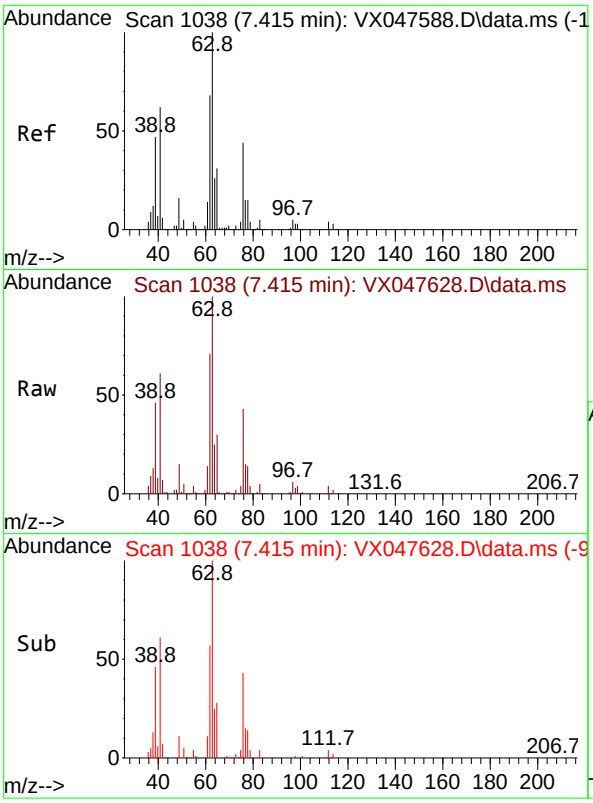


#44
Trichloroethene
Concen: 49.394 ug/l
RT: 7.116 min Scan# 989
Delta R.T. 0.006 min
Lab File: VX047628.D
Acq: 17 Sep 2025 18:40

Tgt Ion:130 Resp: 103396

Ion	Ratio	Lower	Upper
130	100		
95	102.0	0.0	210.8

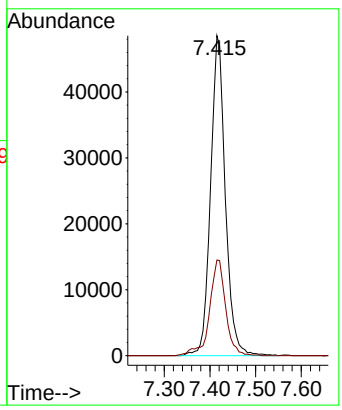




#45
1,2-Dichloropropane
Concen: 49.175 ug/l
RT: 7.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047628.D
Acq: 17 Sep 2025 18:40

Tgt Ion: 63 Resp: 10902

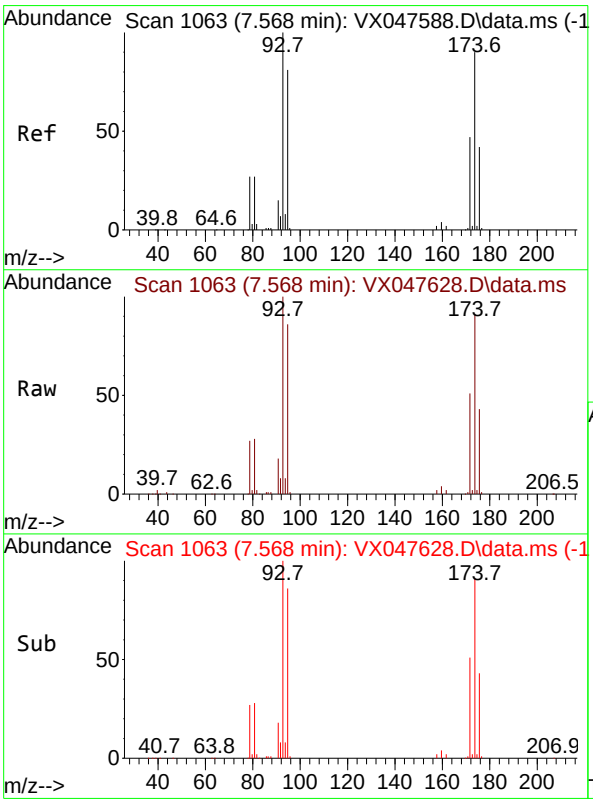
Ion	Ratio	Lower	Upper
63	100		
65	29.9	24.7	37.1



Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MSD

Manual Integrations
APPROVED

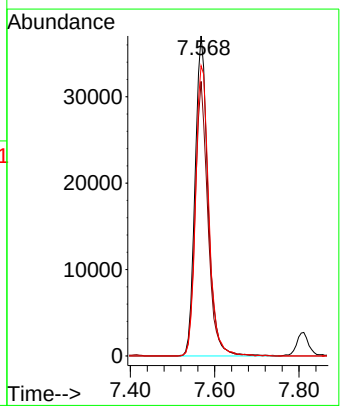
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

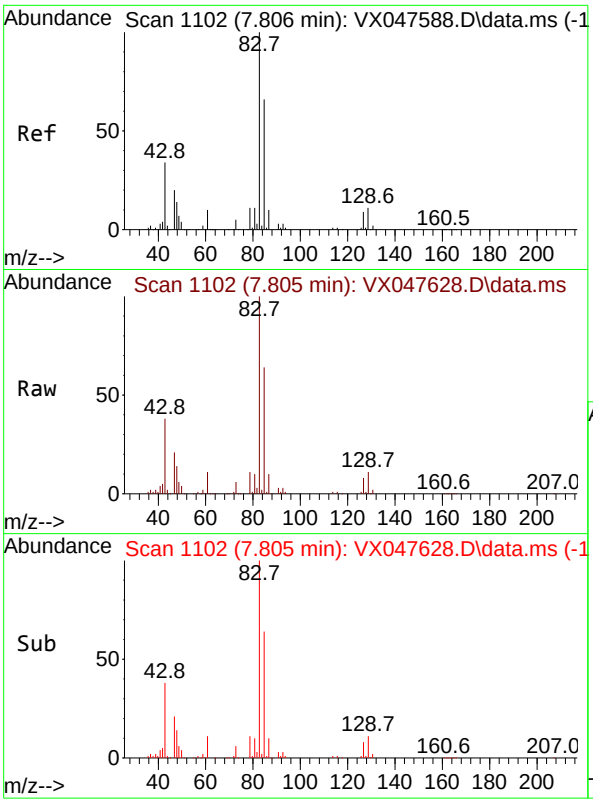


#46
Dibromomethane
Concen: 49.171 ug/l
RT: 7.568 min Scan# 1063
Delta R.T. -0.000 min
Lab File: VX047628.D
Acq: 17 Sep 2025 18:40

Tgt Ion: 93 Resp: 79332

Ion	Ratio	Lower	Upper
93	100		
95	83.6	65.0	97.6
174	92.8	71.6	107.4

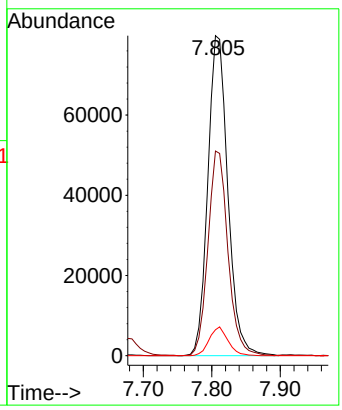




#47
Bromodichloromethane
Concen: 48.717 ug/l
RT: 7.805 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047628.D
Acq: 17 Sep 2025 18:40

Tgt Ion: 83 Resp: 16219

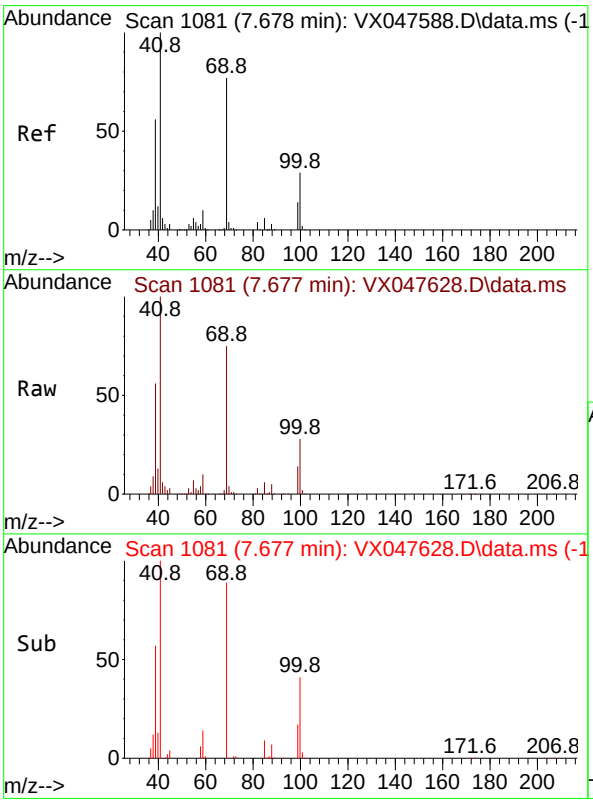
Ion	Ratio	Lower	Upper
83	100		
85	63.9	52.5	78.7
127	8.1	6.9	10.3



Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MSD

Manual Integrations
APPROVED

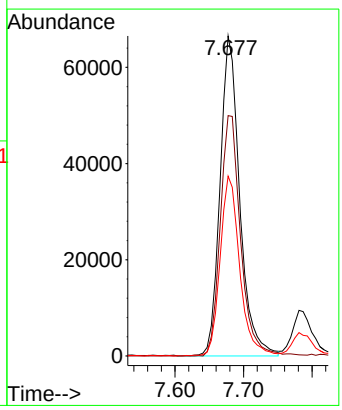
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

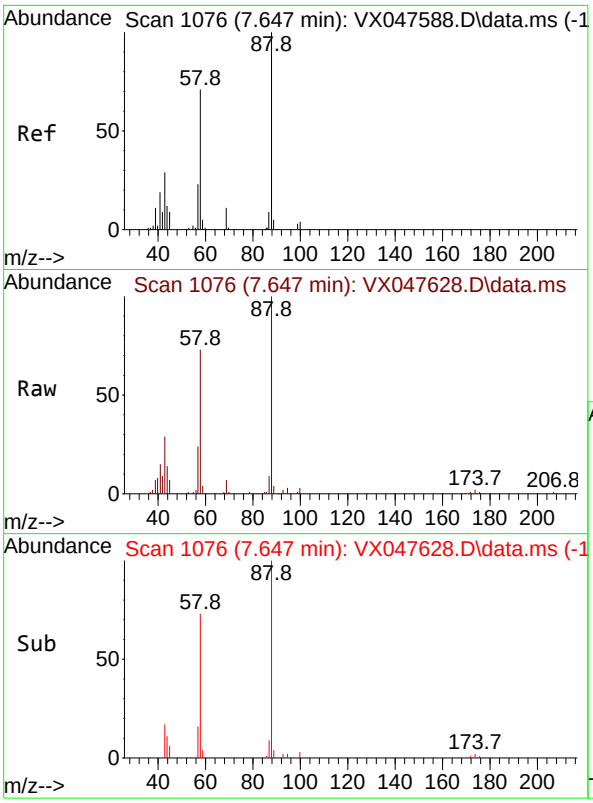


#48
Methyl methacrylate
Concen: 53.072 ug/l
RT: 7.677 min Scan# 1081
Delta R.T. -0.000 min
Lab File: VX047628.D
Acq: 17 Sep 2025 18:40

Tgt Ion: 41 Resp: 132337

Ion	Ratio	Lower	Upper
41	100		
69	77.8	61.4	92.2
39	56.1	45.8	68.6

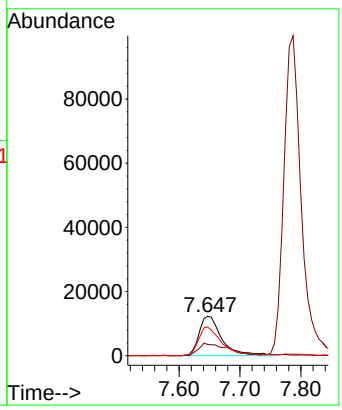




#49
1,4-Dioxane
Concen: 1278.808 ug/l
RT: 7.647 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047628.D
Acq: 17 Sep 2025 18:40

Tgt Ion: 88 Resp: 3222

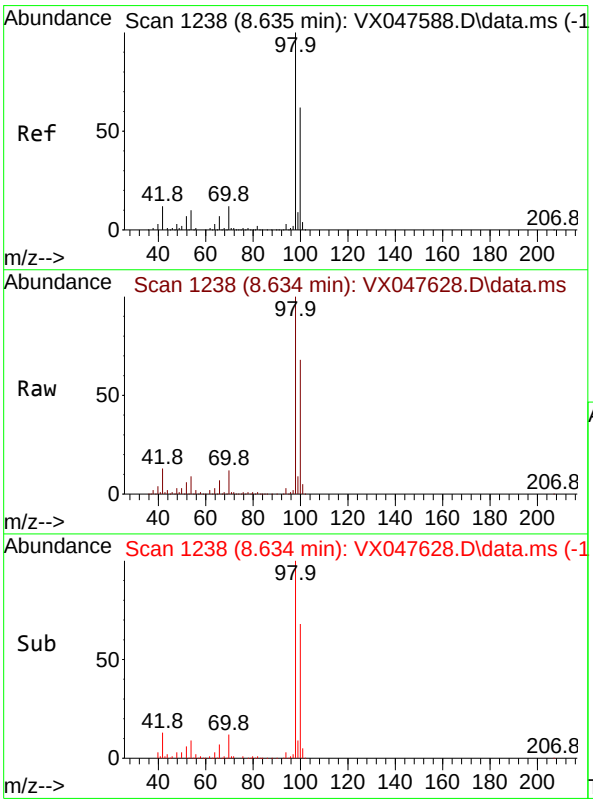
Ion	Ratio	Lower	Upper
88	100		
43	39.6	30.2	45.2
58	74.8	59.5	89.3



Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MSD

Manual Integrations
APPROVED

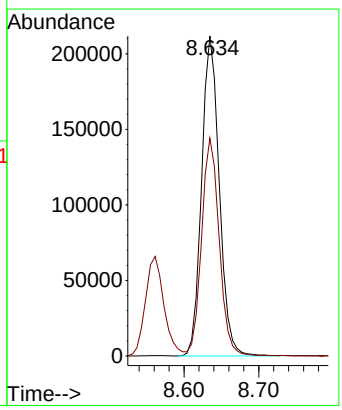
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

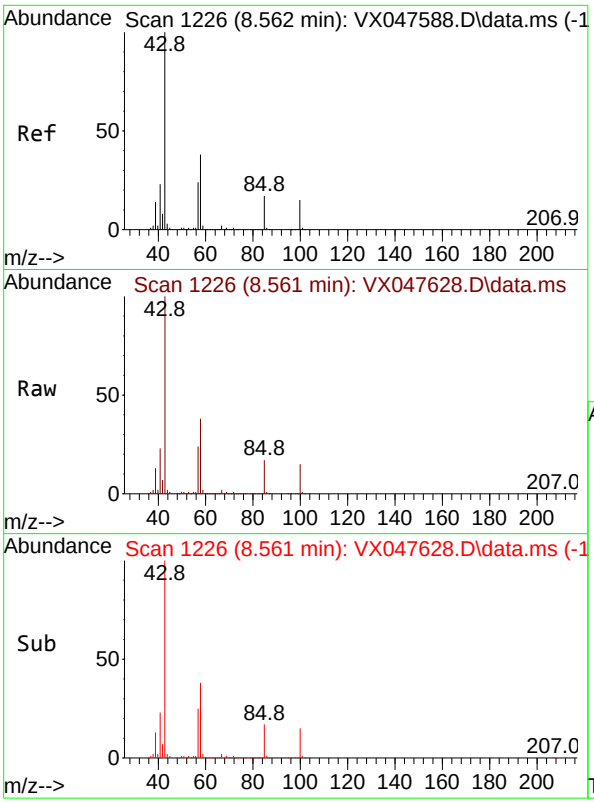


#50
Toluene-d8
Concen: 51.463 ug/l
RT: 8.634 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX047628.D
Acq: 17 Sep 2025 18:40

Tgt Ion: 98 Resp: 347403

Ion	Ratio	Lower	Upper
98	100		
100	67.8	53.0	79.4

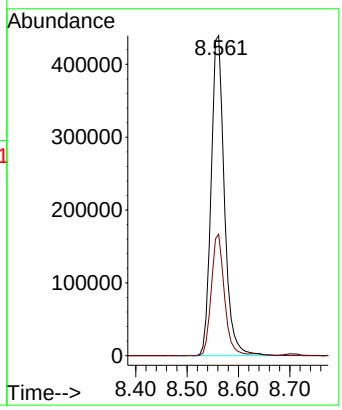




#51
4-Methyl-2-Pentanone
Concen: 284.455 ug/l
RT: 8.561 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047628.D
Acq: 17 Sep 2025 18:40

Tgt Ion: 43 Resp: 78952

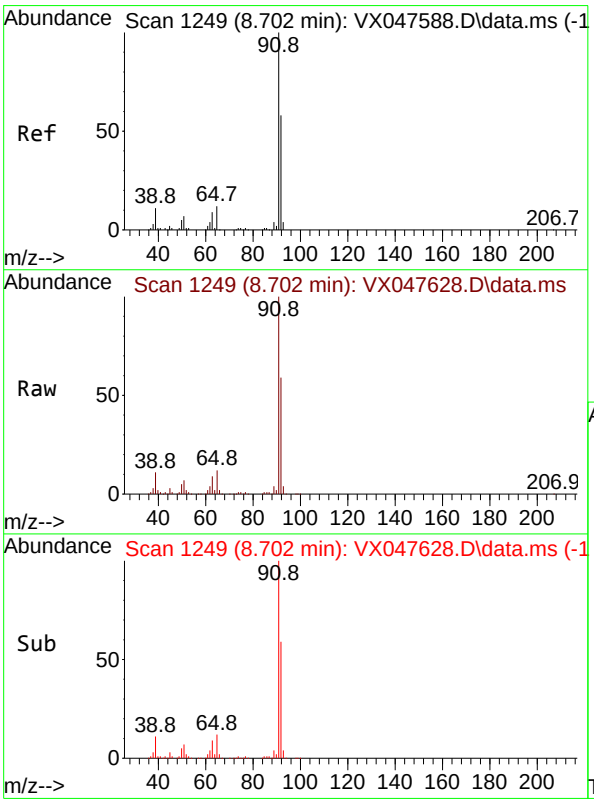
Ion	Ratio	Lower	Upper
43	100		
58	37.5	30.3	45.5



Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MSD

Manual Integrations
APPROVED

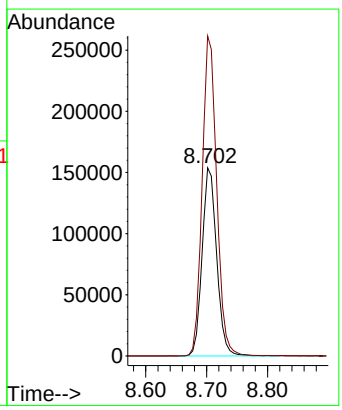
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

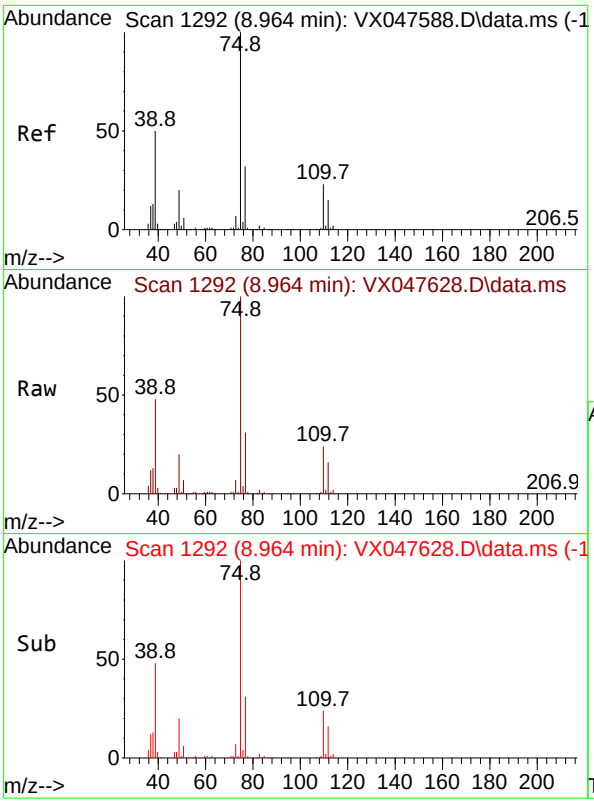


#52
Toluene
Concen: 47.862 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX047628.D
Acq: 17 Sep 2025 18:40

Tgt Ion: 92 Resp: 255317

Ion	Ratio	Lower	Upper
92	100		
91	169.5	137.1	205.7

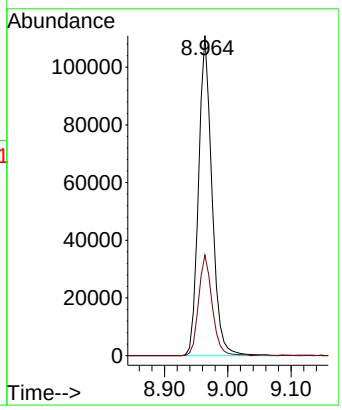




#53
t-1,3-Dichloropropene
Concen: 48.349 ug/l
RT: 8.964 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047628.D
Acq: 17 Sep 2025 18:40

Tgt Ion: 75 Resp: 16419

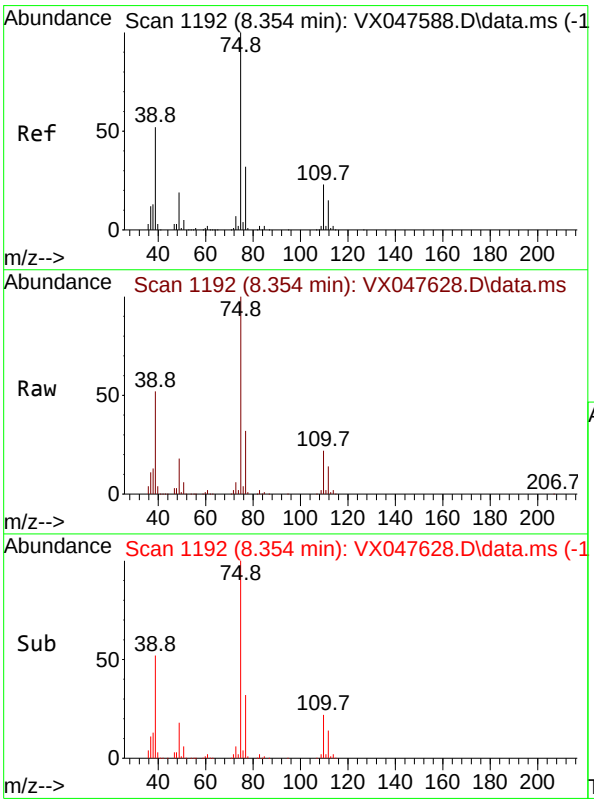
Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.4	38.2



Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MSD

Manual Integrations
APPROVED

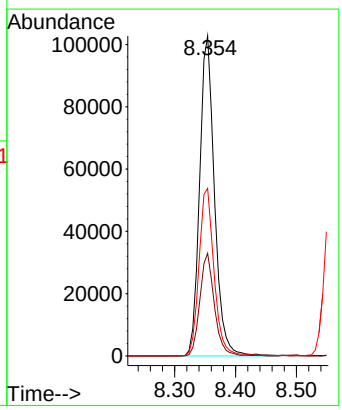
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

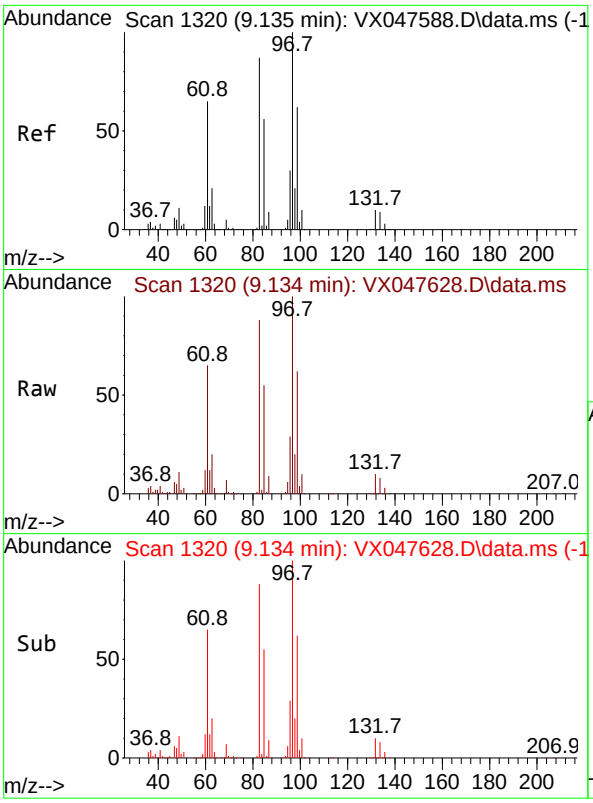


#54
cis-1,3-Dichloropropene
Concen: 47.992 ug/l
RT: 8.354 min Scan# 1192
Delta R.T. -0.000 min
Lab File: VX047628.D
Acq: 17 Sep 2025 18:40

Tgt Ion: 75 Resp: 174198

Ion	Ratio	Lower	Upper
75	100		
77	32.1	25.8	38.6
39	51.7	41.4	62.2

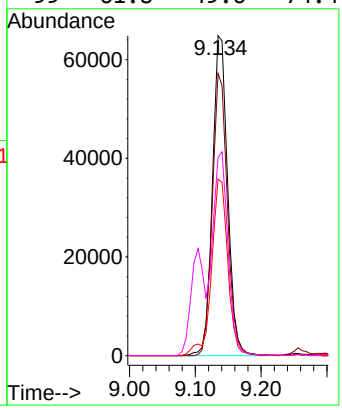




#55
1,1,2-Trichloroethane
Concen: 50.732 ug/l
RT: 9.134 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047628.D
Acq: 17 Sep 2025 18:40

Tgt Ion: 97 Resp: 10435

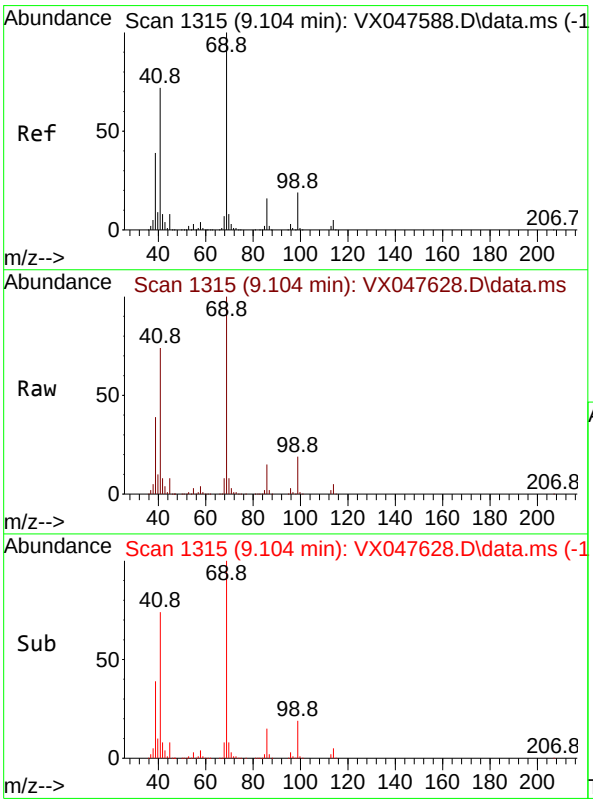
Ion	Ratio	Lower	Upper
97	100		
83	88.1	69.6	104.4
85	55.2	45.0	67.6
99	61.8	49.6	74.4



Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MSD

Manual Integrations
APPROVED

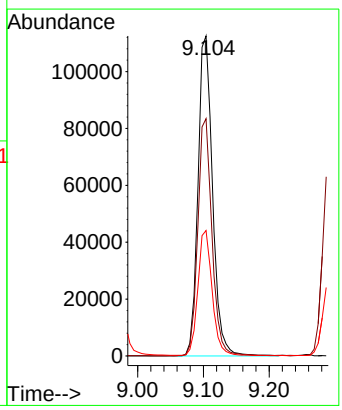
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

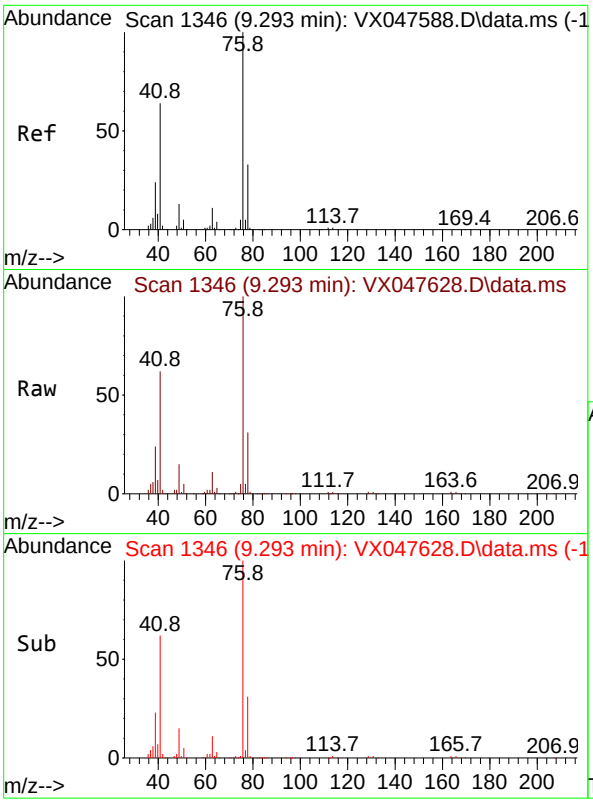


#56
Ethyl methacrylate
Concen: 53.669 ug/l
RT: 9.104 min Scan# 1315
Delta R.T. -0.000 min
Lab File: VX047628.D
Acq: 17 Sep 2025 18:40

Tgt Ion: 69 Resp: 173371

Ion	Ratio	Lower	Upper
69	100		
41	72.0	58.6	87.8
39	38.4	31.5	47.3

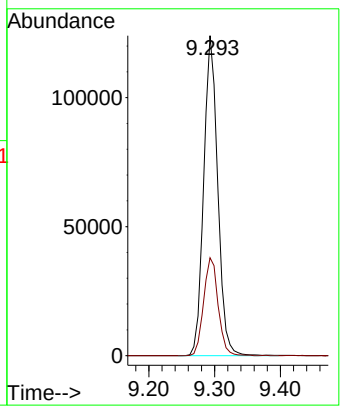




#57
1,3-Dichloropropane
Concen: 52.061 ug/l
RT: 9.293 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047628.D
Acq: 17 Sep 2025 18:40

Tgt Ion: 76 Resp: 18395

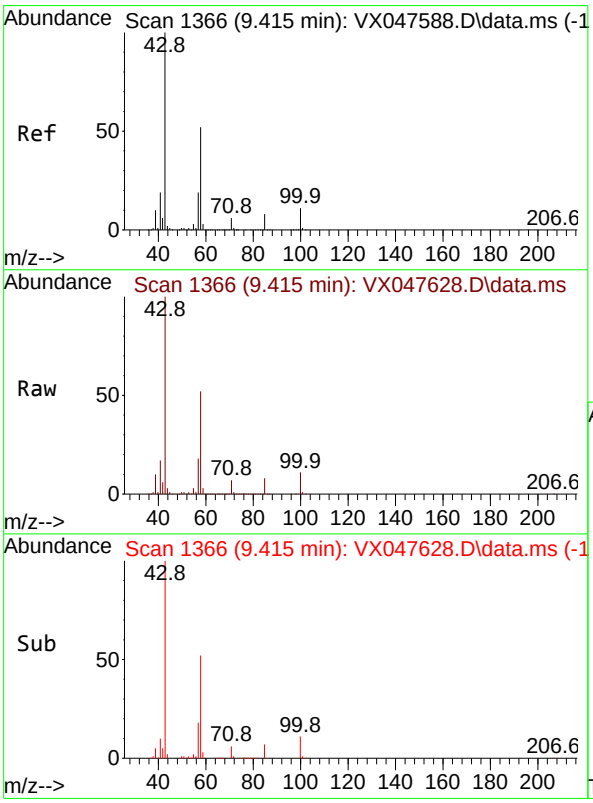
Ion	Ratio	Lower	Upper
76	100		
78	31.6	26.2	39.4



Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MSD

Manual Integrations
APPROVED

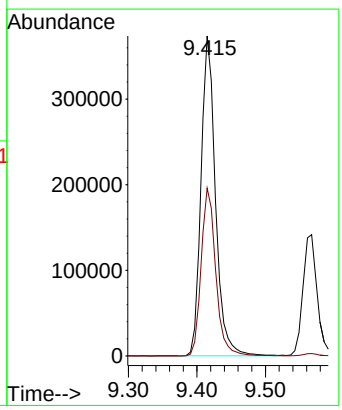
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

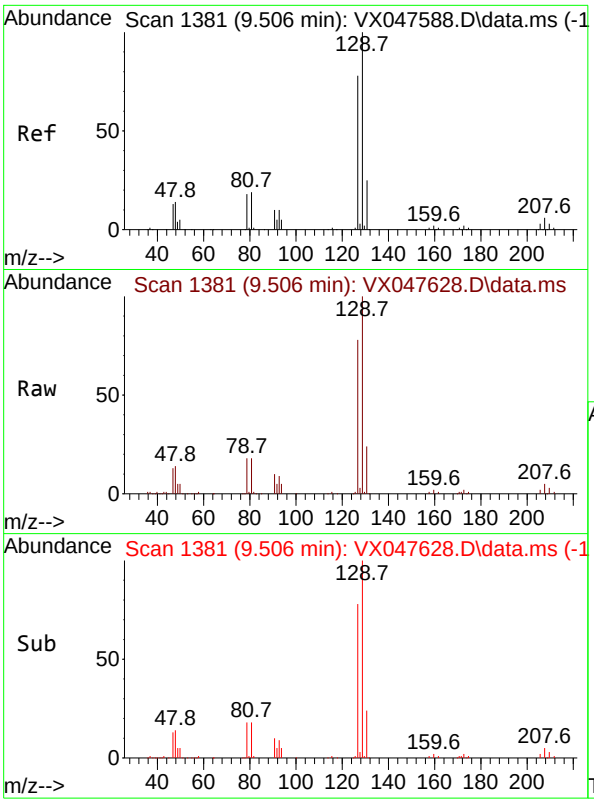


#59
2-Hexanone
Concen: 275.768 ug/l
RT: 9.415 min Scan# 1366
Delta R.T. -0.000 min
Lab File: VX047628.D
Acq: 17 Sep 2025 18:40

Tgt Ion: 43 Resp: 549720

Ion	Ratio	Lower	Upper
43	100		
58	53.1	26.1	78.2

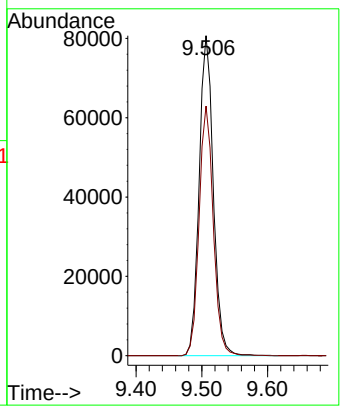




#60
Dibromochloromethane
Concen: 51.059 ug/l
RT: 9.506 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047628.D
Acq: 17 Sep 2025 18:40

Tgt Ion:129 Resp: 12101

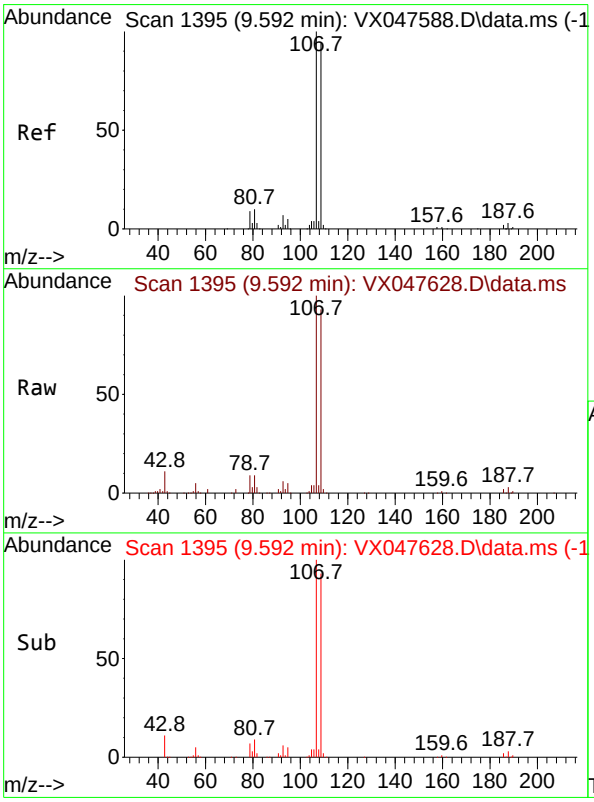
Ion	Ratio	Lower	Upper
129	100		
127	78.2	38.4	115.2



Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MSD

Manual Integrations
APPROVED

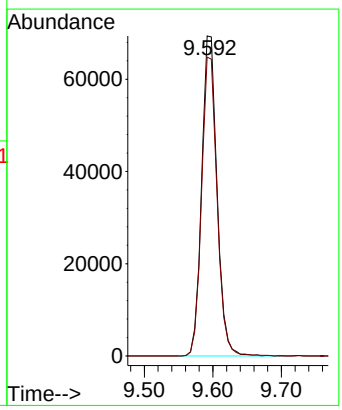
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

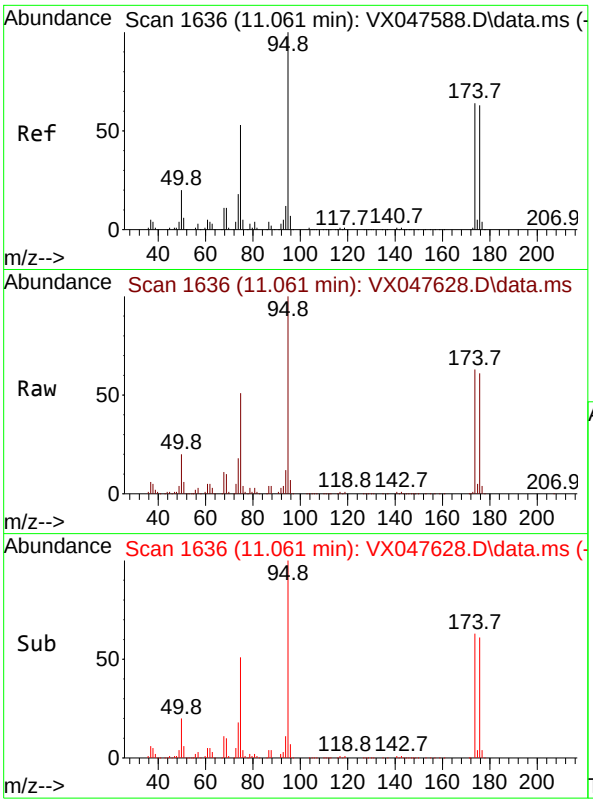


#61
1,2-Dibromoethane
Concen: 51.709 ug/l
RT: 9.592 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VX047628.D
Acq: 17 Sep 2025 18:40

Tgt Ion:107 Resp: 108335

Ion	Ratio	Lower	Upper
107	100		
109	94.0	75.3	112.9

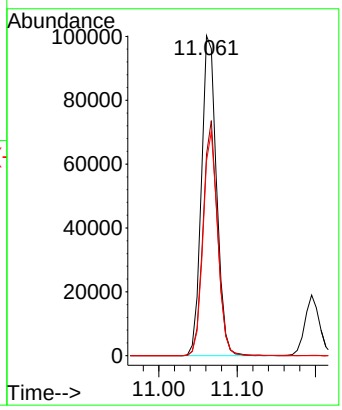




#62
4-Bromofluorobenzene
Concen: 52.307 ug/l
RT: 11.061 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047628.D
Acq: 17 Sep 2025 18:40

Tgt Ion: 95 Resp: 13400

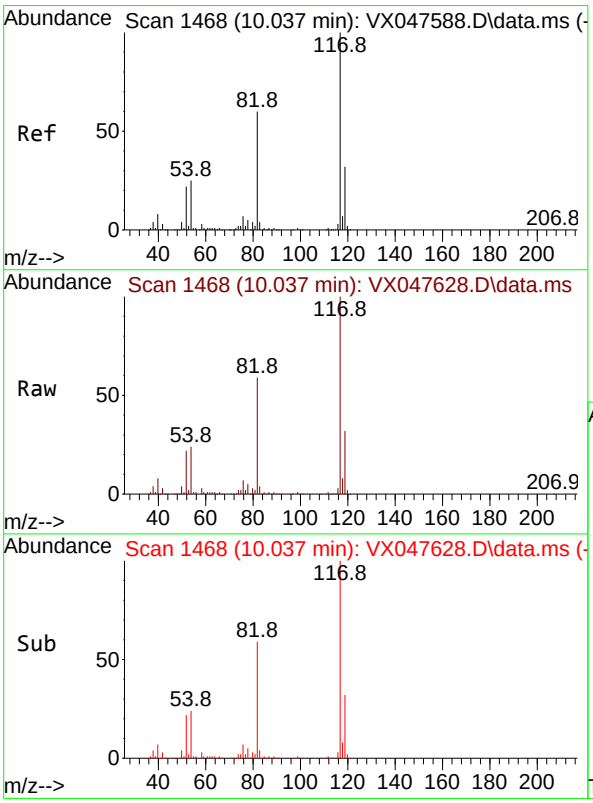
Ion	Ratio	Lower	Upper
95	100		
174	70.1	0.0	141.6
176	67.7	0.0	138.4



Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MSD

Manual Integrations
APPROVED

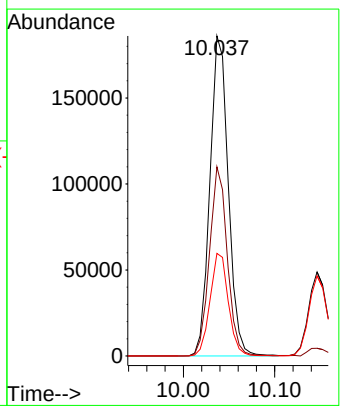
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

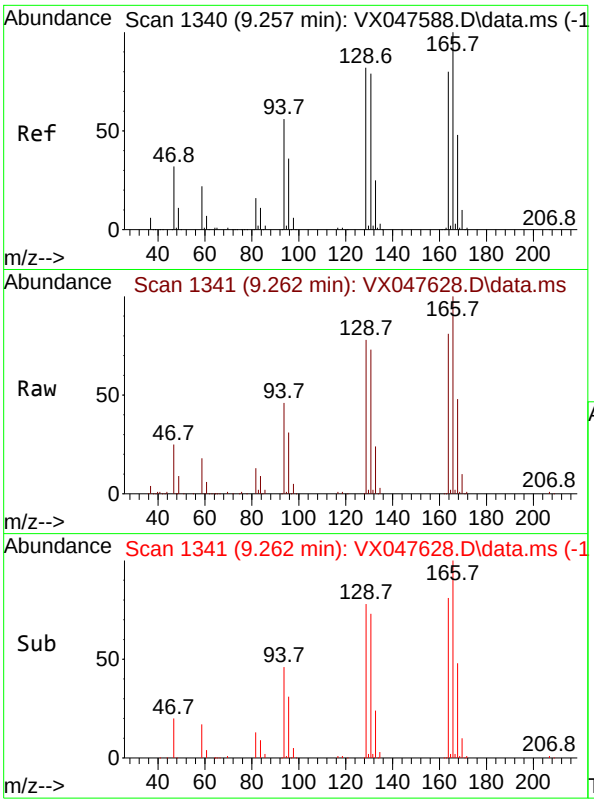


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX047628.D
Acq: 17 Sep 2025 18:40

Tgt Ion:117 Resp: 259033

Ion	Ratio	Lower	Upper
117	100		
82	59.1	47.8	71.6
119	32.0	25.2	37.8

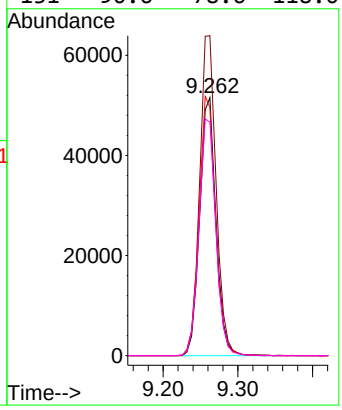




#64
Tetrachloroethene
Concen: 46.119 ug/l
RT: 9.262 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047628.D
Acq: 17 Sep 2025 18:40

Tgt Ion:164 Resp: 7787

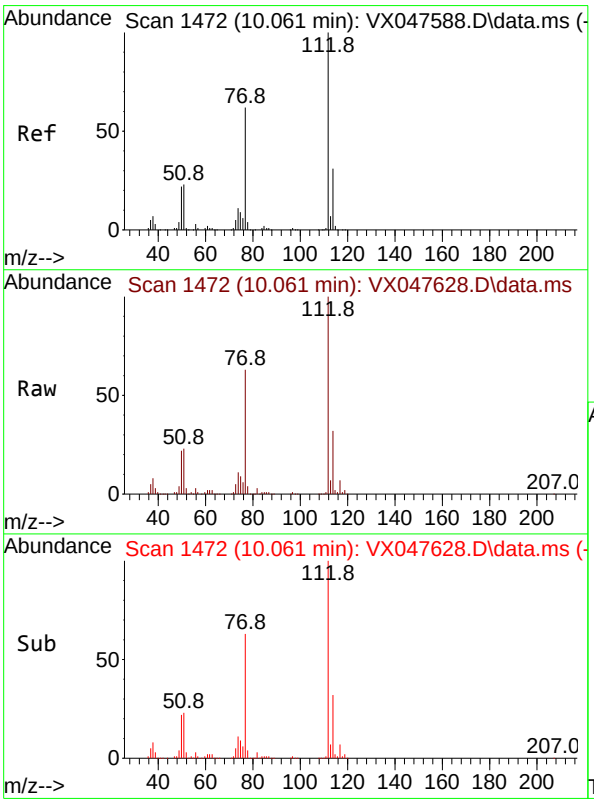
Ion	Ratio	Lower	Upper
164	100		
166	124.1	100.2	150.2
129	96.4	81.8	122.6
131	90.6	78.6	118.0



Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MSD

Manual Integrations
APPROVED

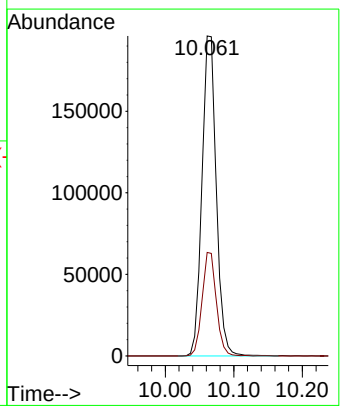
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

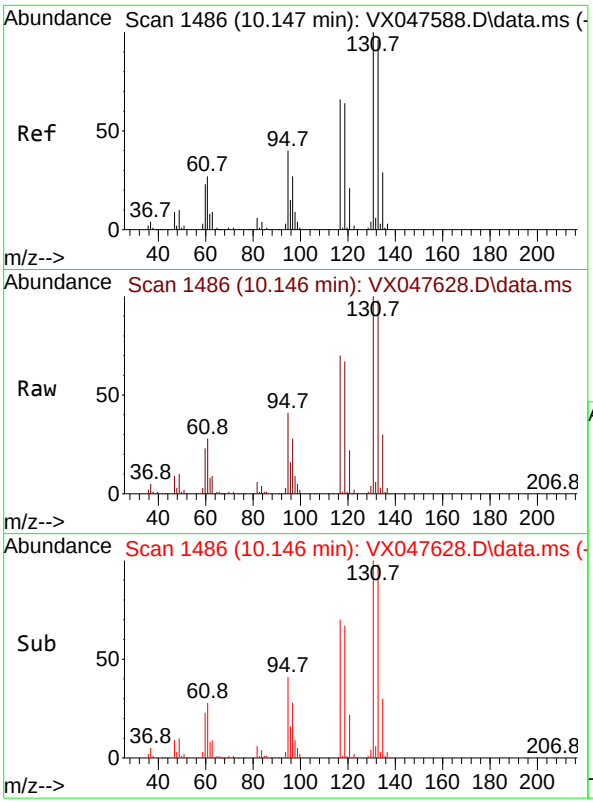


#65
Chlorobenzene
Concen: 48.462 ug/l
RT: 10.061 min Scan# 1472
Delta R.T. -0.000 min
Lab File: VX047628.D
Acq: 17 Sep 2025 18:40

Tgt Ion:112 Resp: 285189

Ion	Ratio	Lower	Upper
112	100		
114	32.3	25.1	37.7





#66
1,1,1,2-Tetrachloroethane
Concen: 48.663 ug/l
RT: 10.146 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047628.D
Acq: 17 Sep 2025 18:40

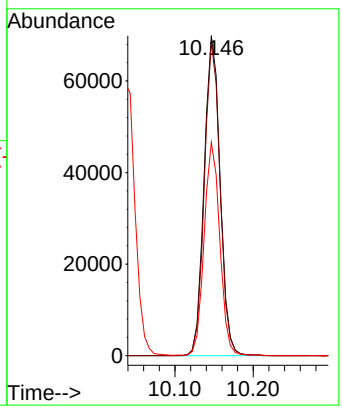
Tgt Ion:131 Resp: 9881

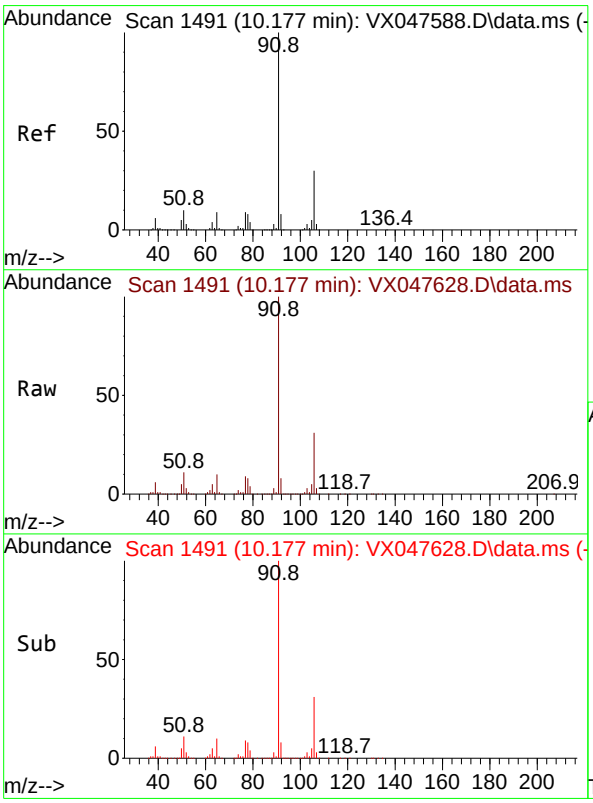
Ion	Ratio	Lower	Upper
131	100		
133	96.2	47.3	142.0
119	65.3	32.0	96.0

Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MSD

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

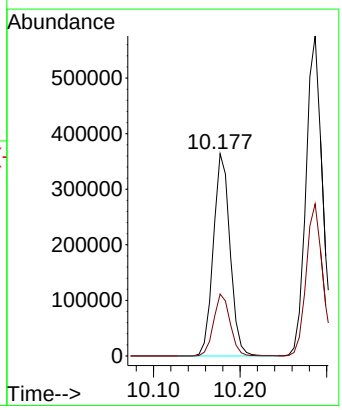


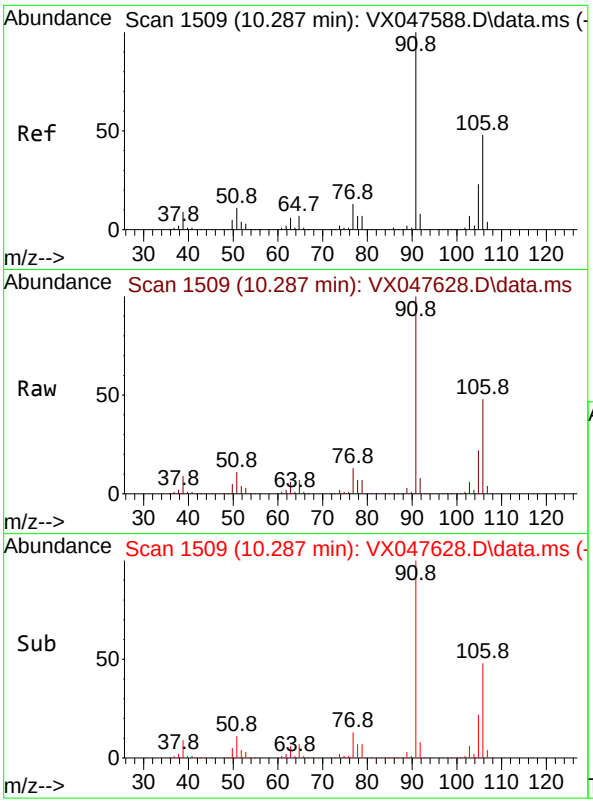


#67
Ethyl Benzene
Concen: 47.949 ug/l
RT: 10.177 min Scan# 1491
Delta R.T. -0.000 min
Lab File: VX047628.D
Acq: 17 Sep 2025 18:40

Tgt Ion: 91 Resp: 486856

Ion	Ratio	Lower	Upper
91	100		
106	30.6	24.3	36.5

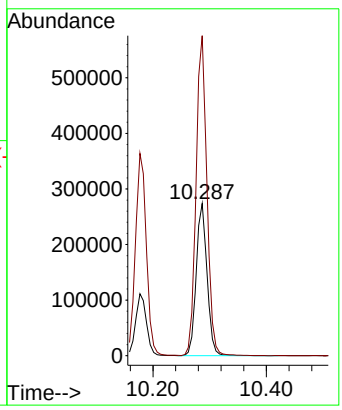




#68
m/p-Xylenes
Concen: 95.931 ug/l
RT: 10.287 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047628.D
Acq: 17 Sep 2025 18:40

Tgt Ion:106 Resp: 36255

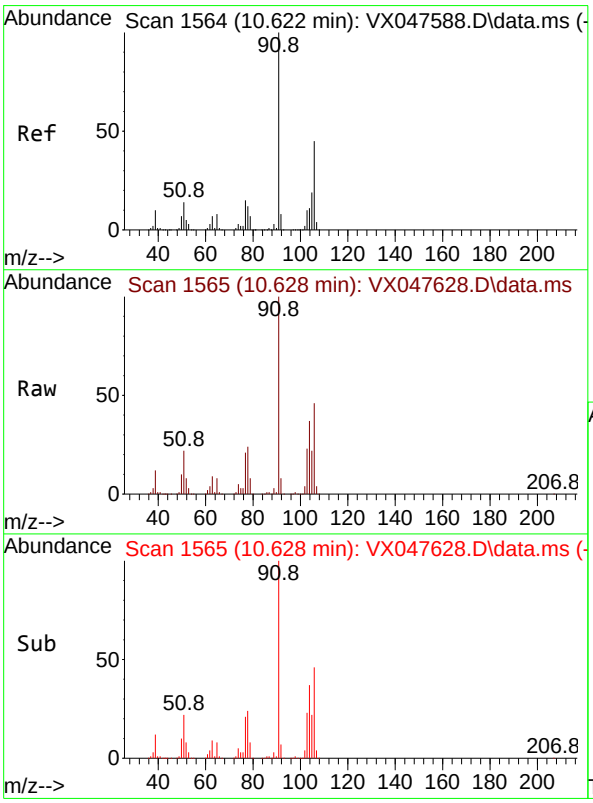
Ion	Ratio	Lower	Upper
106	100		
91	210.2	167.8	251.8



Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MSD

Manual Integrations
APPROVED

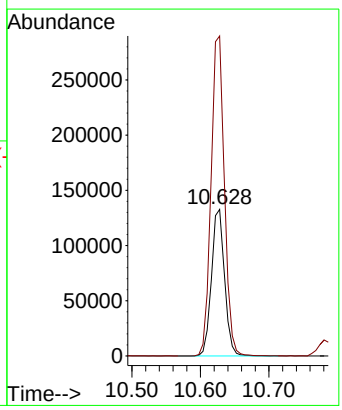
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

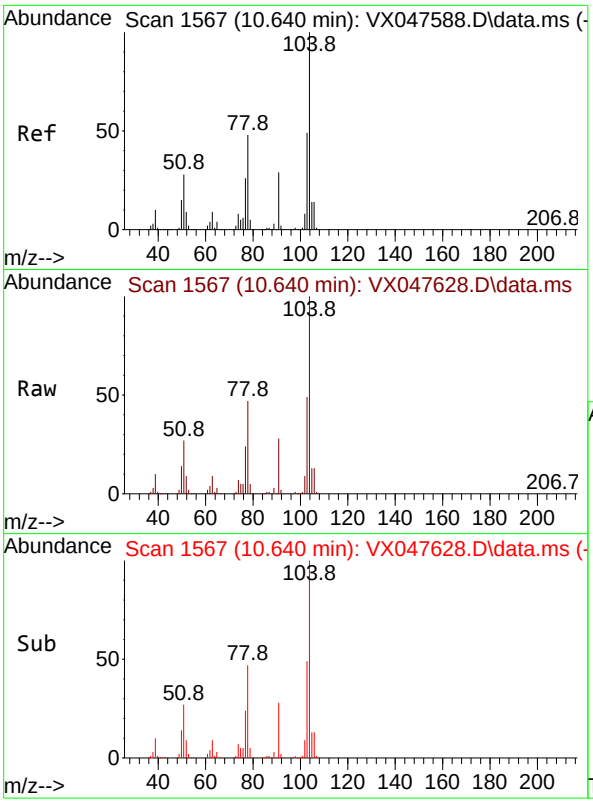


#69
o-Xylene
Concen: 48.354 ug/l
RT: 10.628 min Scan# 1565
Delta R.T. 0.006 min
Lab File: VX047628.D
Acq: 17 Sep 2025 18:40

Tgt Ion:106 Resp: 176754

Ion	Ratio	Lower	Upper
106	100		
91	222.8	111.1	333.4





#70
Styrene
Concen: 49.409 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047628.D
Acq: 17 Sep 2025 18:40

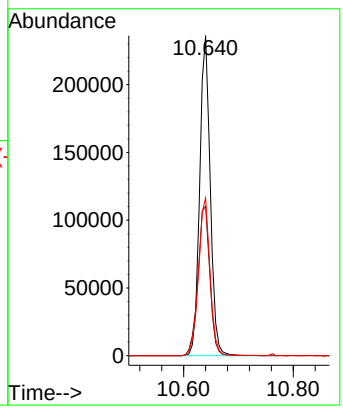
Tgt Ion:104 Resp: 31646

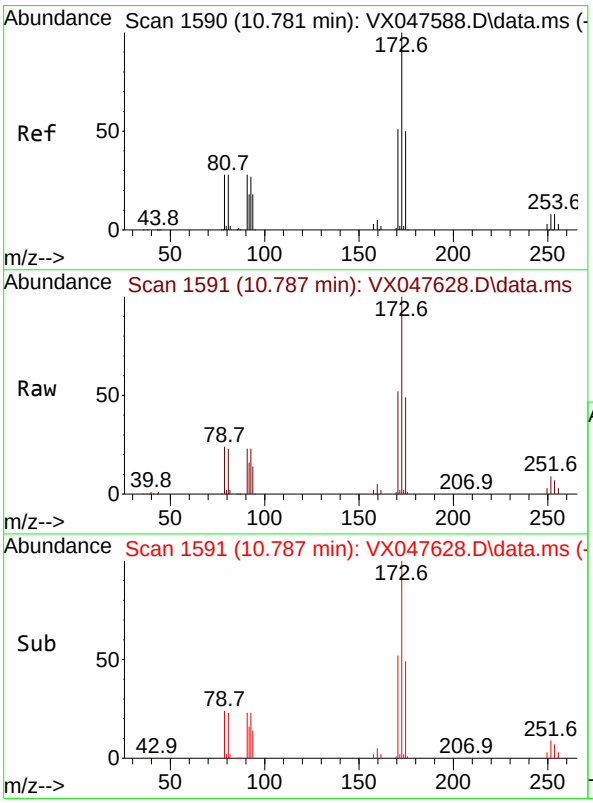
Ion	Ratio	Lower	Upper
104	100		
78	53.0	43.1	64.7
103	53.8	43.1	64.7

Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MSD

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

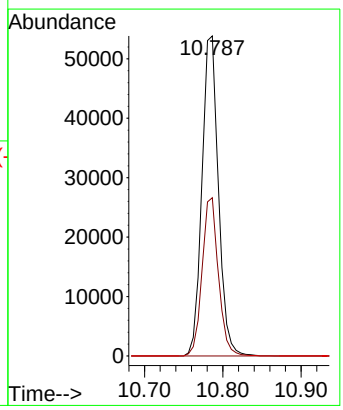


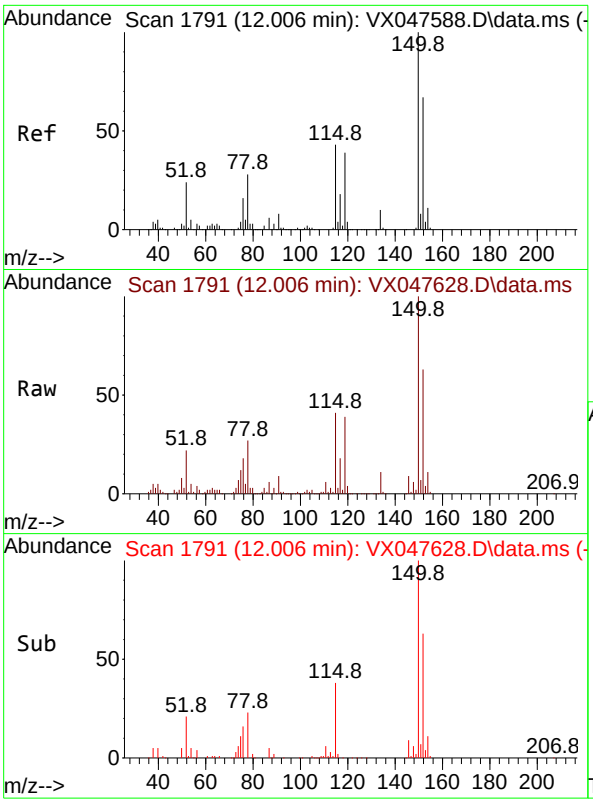


#71
Bromoform
Concen: 51.830 ug/l
RT: 10.787 min Scan# 1591
Delta R.T. 0.006 min
Lab File: VX047628.D
Acq: 17 Sep 2025 18:40

Tgt Ion:173 Resp: 78589

Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.9	74.6
254	0.0	0.1	0.1#

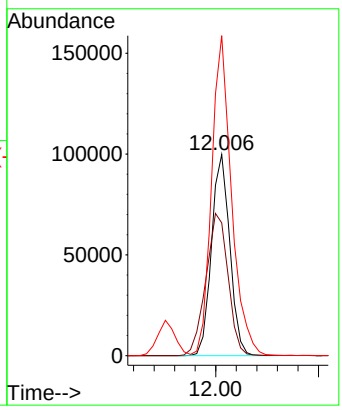




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047628.D
Acq: 17 Sep 2025 18:40

Tgt Ion:152 Resp: 12282

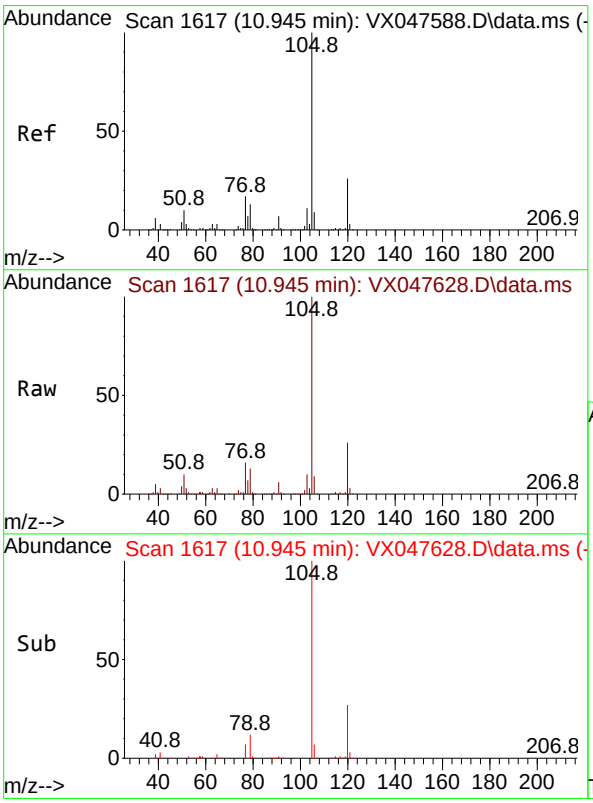
Ion	Ratio	Lower	Upper
152	100		
115	86.1	44.9	134.5
150	173.3	0.0	352.0



Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MSD

Manual Integrations
APPROVED

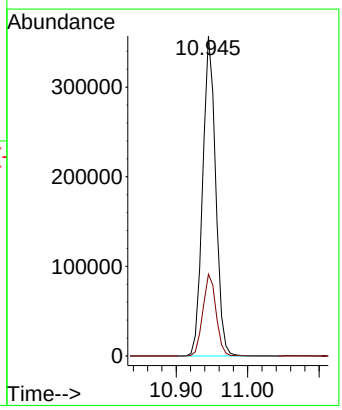
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

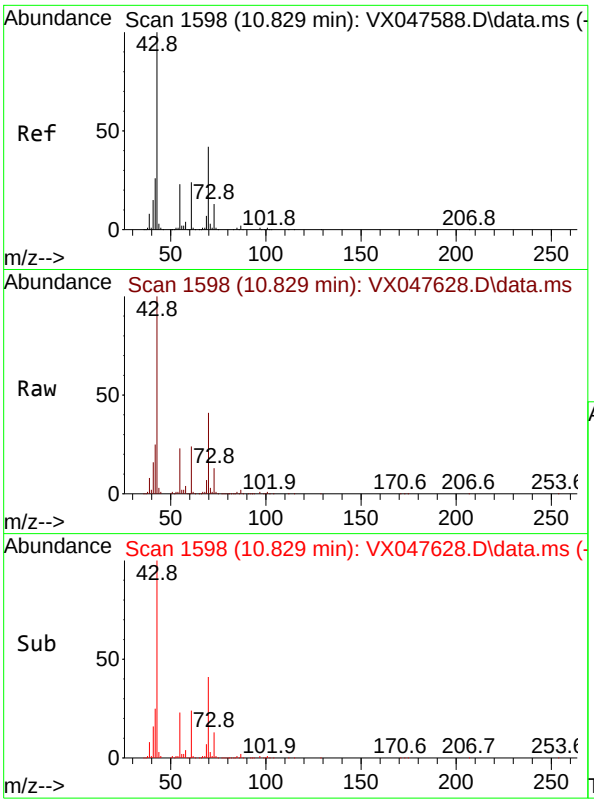


#73
Isopropylbenzene
Concen: 48.178 ug/l
RT: 10.945 min Scan# 1617
Delta R.T. -0.000 min
Lab File: VX047628.D
Acq: 17 Sep 2025 18:40

Tgt Ion:105 Resp: 449867

Ion	Ratio	Lower	Upper
105	100		
120	26.0	12.8	38.4

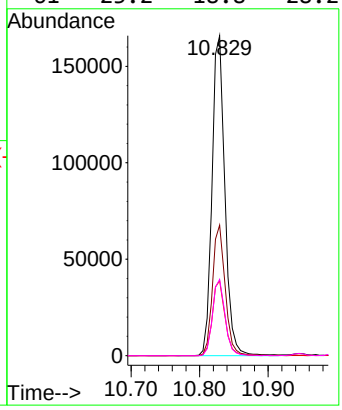




#74
N-amyl acetate
Concen: 50.949 ug/l
RT: 10.829 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047628.D
Acq: 17 Sep 2025 18:40

Tgt Ion: 43 Resp: 21694

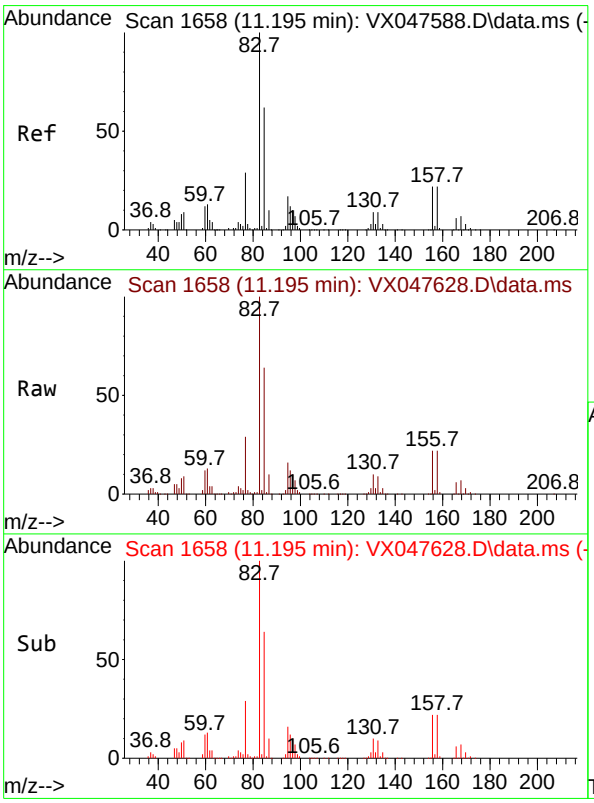
Ion	Ratio	Lower	Upper
43	100		
70	40.3	32.0	48.0
55	23.3	18.9	28.3
61	23.2	18.8	28.2



Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MSD

Manual Integrations
APPROVED

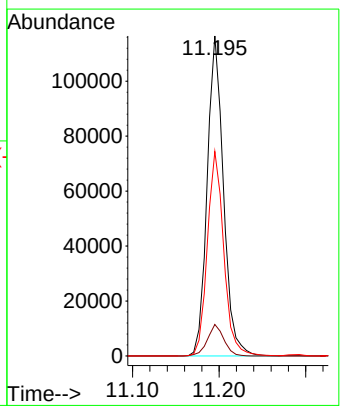
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

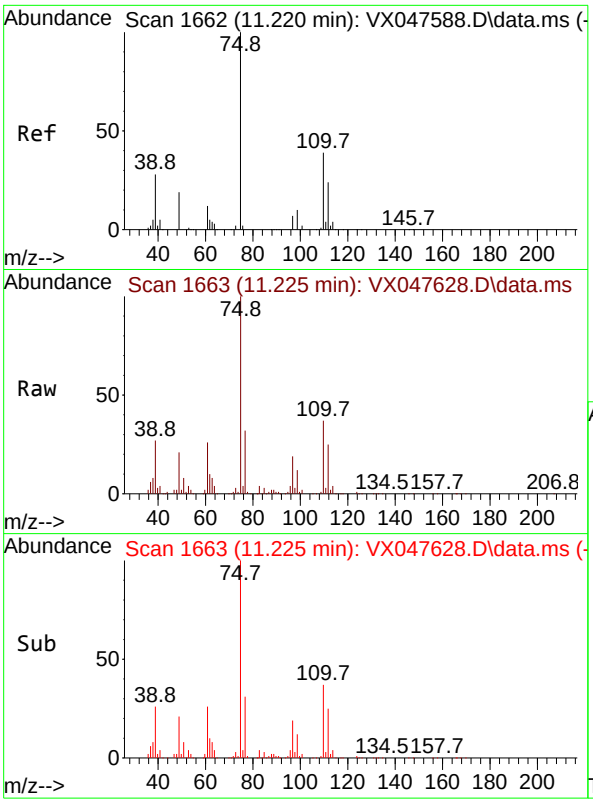


#75
1,1,2,2-Tetrachloroethane
Concen: 53.847 ug/l
RT: 11.195 min Scan# 1658
Delta R.T. -0.000 min
Lab File: VX047628.D
Acq: 17 Sep 2025 18:40

Tgt Ion: 83 Resp: 152121

Ion	Ratio	Lower	Upper
83	100		
131	9.9	5.0	14.9
85	64.4	31.6	95.0





#76
1,2,3-Trichloropropane
Concen: 47.342 ug/l m
RT: 11.225 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047628.D
Acq: 17 Sep 2025 18:40

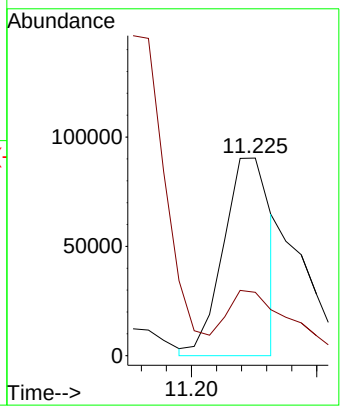
Tgt Ion: 75 Resp: 11772

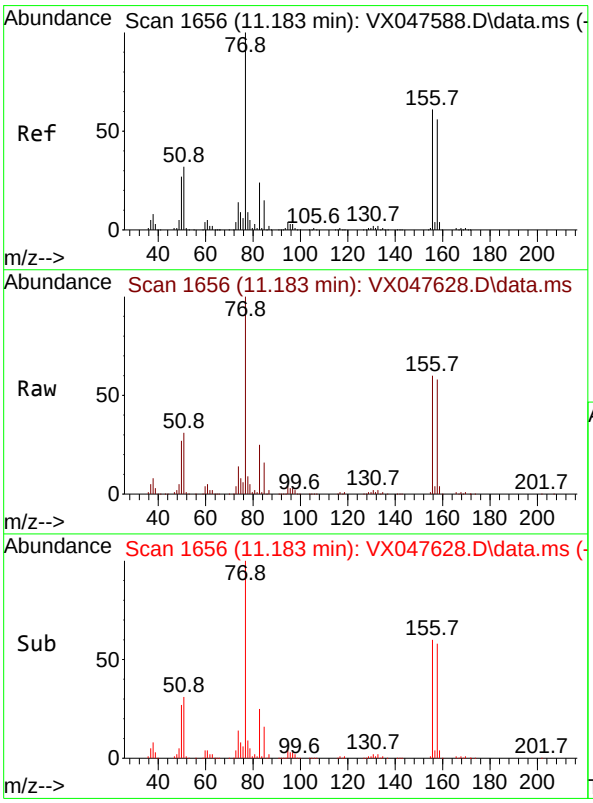
Ion	Ratio	Lower	Upper
75	100		
77	45.5	18.8	56.4

Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MSD

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

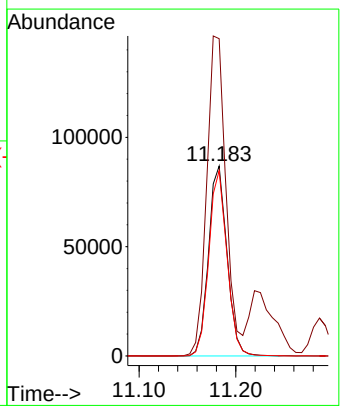


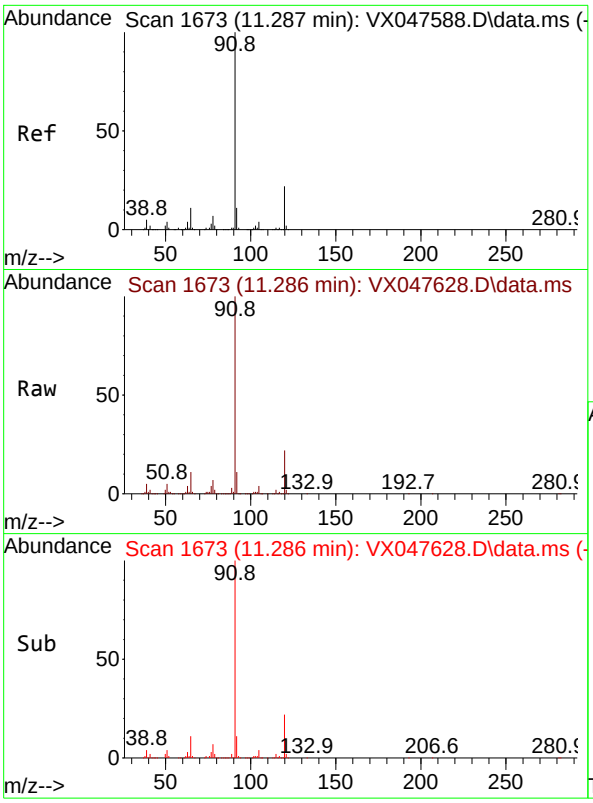


#77
Bromobenzene
Concen: 50.356 ug/l
RT: 11.183 min Scan# 1656
Delta R.T. -0.000 min
Lab File: VX047628.D
Acq: 17 Sep 2025 18:40

Tgt Ion:156 Resp: 115807

Ion	Ratio	Lower	Upper
156	100		
77	175.1	89.7	269.1
158	96.0	47.9	143.6

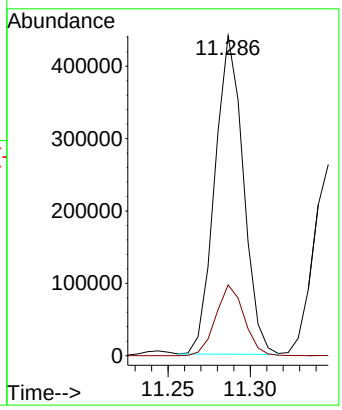




#78
n-propylbenzene
Concen: 48.076 ug/l
RT: 11.286 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047628.D
Acq: 17 Sep 2025 18:40

Tgt Ion: 91 Resp: 53067

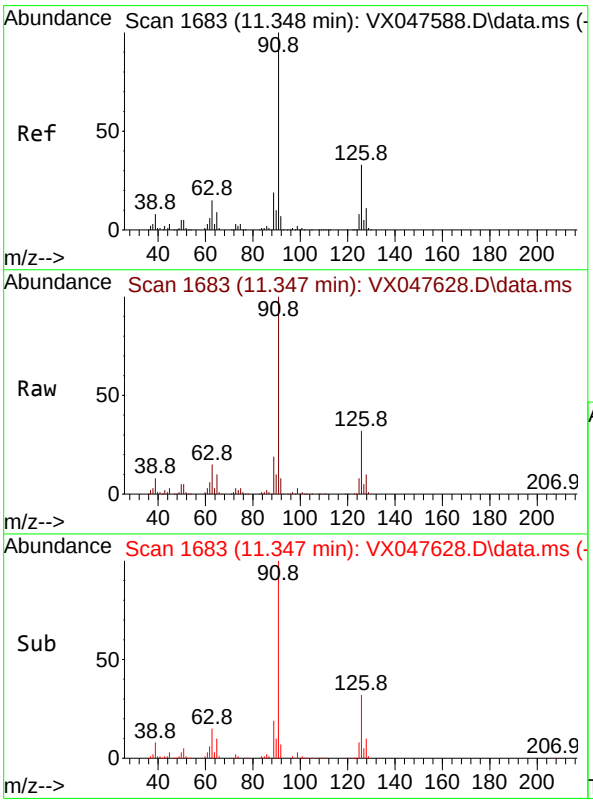
Ion	Ratio	Lower	Upper
91	100		
120	22.1	11.1	33.1



Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MSD

Manual Integrations
APPROVED

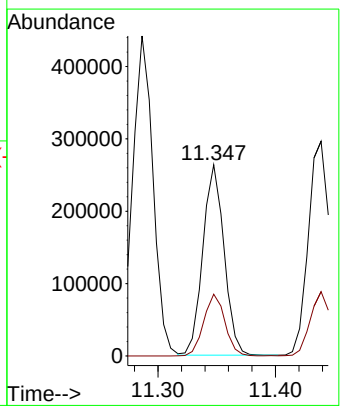
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

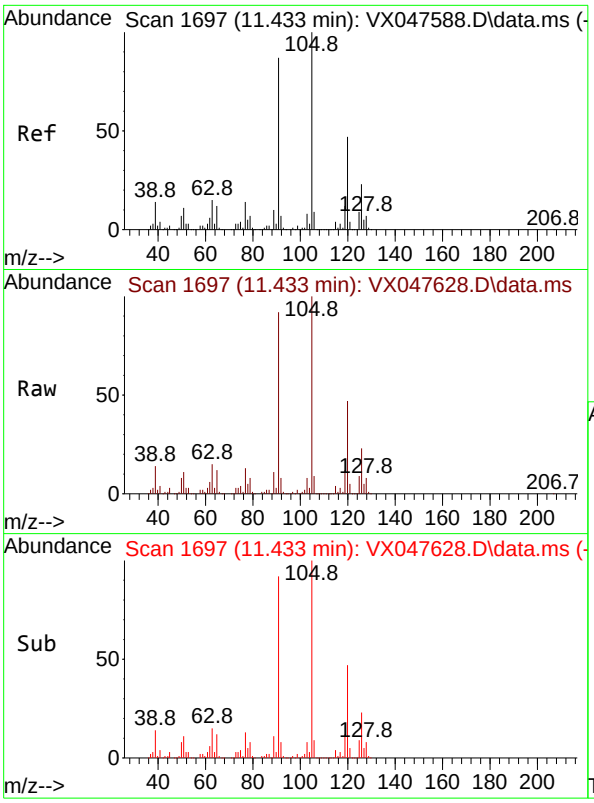


#79
2-Chlorotoluene
Concen: 48.902 ug/l
RT: 11.347 min Scan# 1683
Delta R.T. -0.000 min
Lab File: VX047628.D
Acq: 17 Sep 2025 18:40

Tgt Ion: 91 Resp: 330607

Ion	Ratio	Lower	Upper
91	100		
126	32.5	16.1	48.3

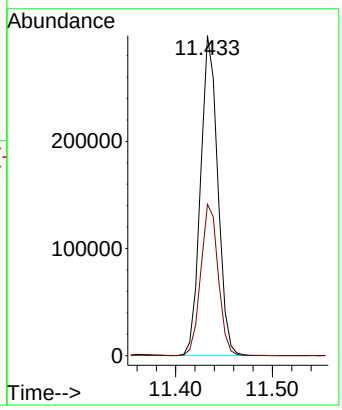




#80
1,3,5-Trimethylbenzene
Concen: 48.112 ug/l
RT: 11.433 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047628.D
Acq: 17 Sep 2025 18:40

Tgt Ion:105 Resp: 36909

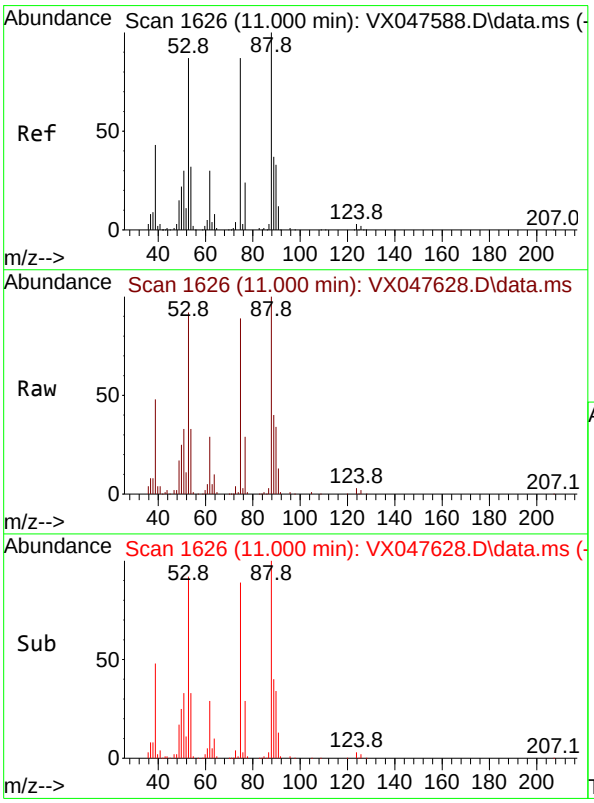
Ion	Ratio	Lower	Upper
105	100		
120	48.1	23.6	70.8



Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MSD

Manual Integrations
APPROVED

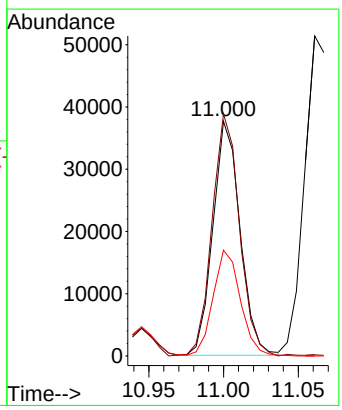
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

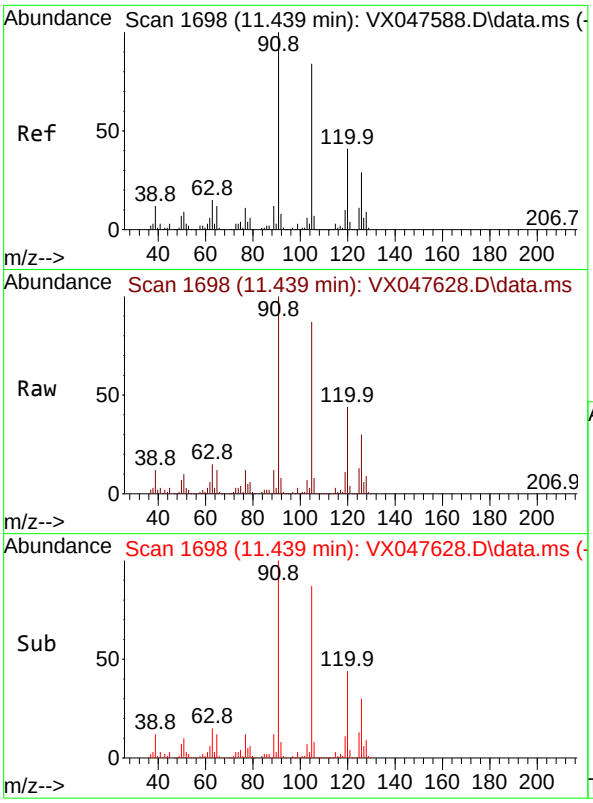


#81
trans-1,4-Dichloro-2-butene
Concen: 48.739 ug/l
RT: 11.000 min Scan# 1626
Delta R.T. -0.000 min
Lab File: VX047628.D
Acq: 17 Sep 2025 18:40

Tgt Ion: 75 Resp: 47527

Ion	Ratio	Lower	Upper
75	100		
53	104.5	83.4	125.2
89	45.5	36.3	54.5

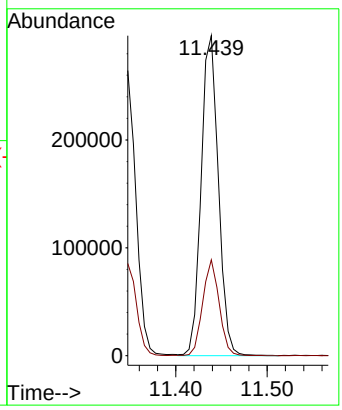




#82
4-Chlorotoluene
Concen: 48.610 ug/l
RT: 11.439 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047628.D
Acq: 17 Sep 2025 18:40

Tgt Ion: 91 Resp: 38813

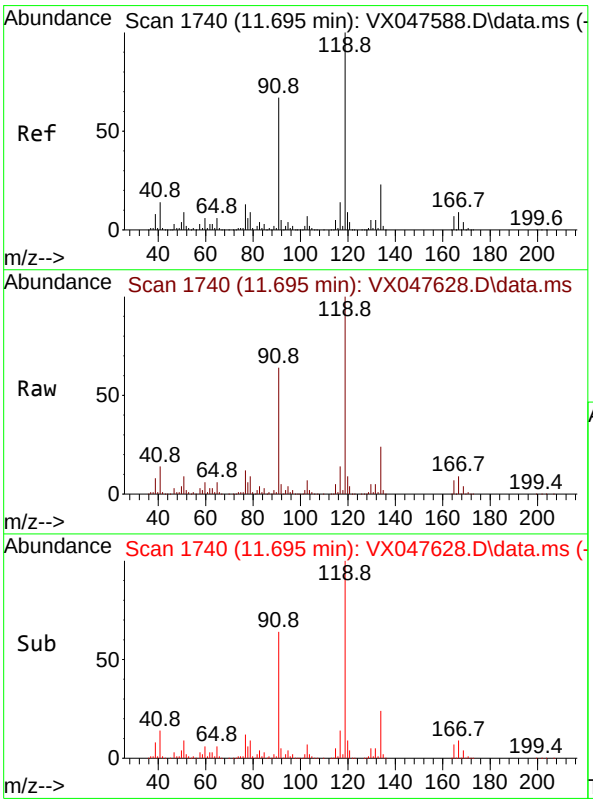
Ion	Ratio	Lower	Upper
91	100		
126	28.6	14.2	42.6



Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MSD

Manual Integrations
APPROVED

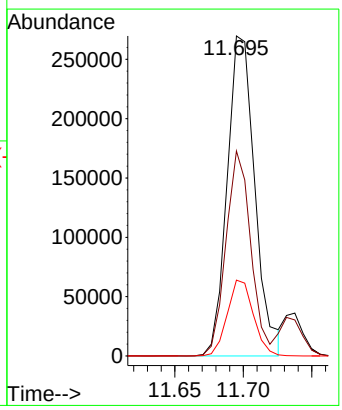
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

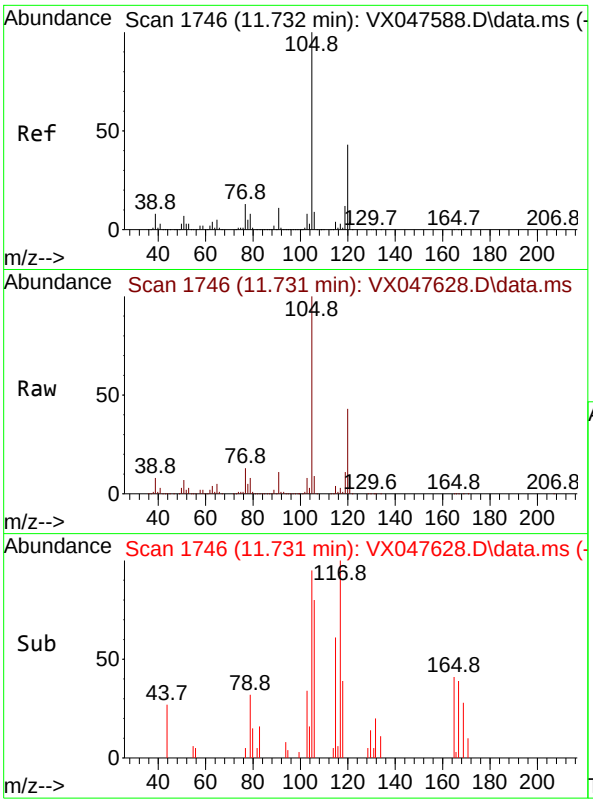


#83
tert-Butylbenzene
Concen: 48.378 ug/l
RT: 11.695 min Scan# 1740
Delta R.T. -0.000 min
Lab File: VX047628.D
Acq: 17 Sep 2025 18:40

Tgt Ion:119 Resp: 379925

Ion	Ratio	Lower	Upper
119	100		
91	57.4	29.6	88.8
134	22.4	11.0	33.0

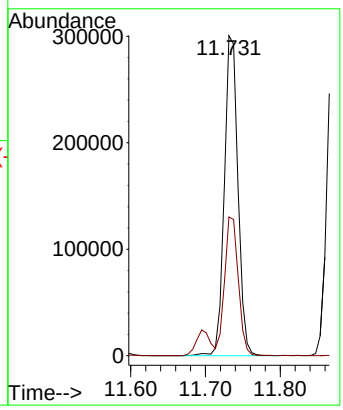




#84
1,2,4-Trimethylbenzene
Concen: 49.011 ug/l
RT: 11.731 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047628.D
Acq: 17 Sep 2025 18:40

Tgt Ion:105 Resp: 38119

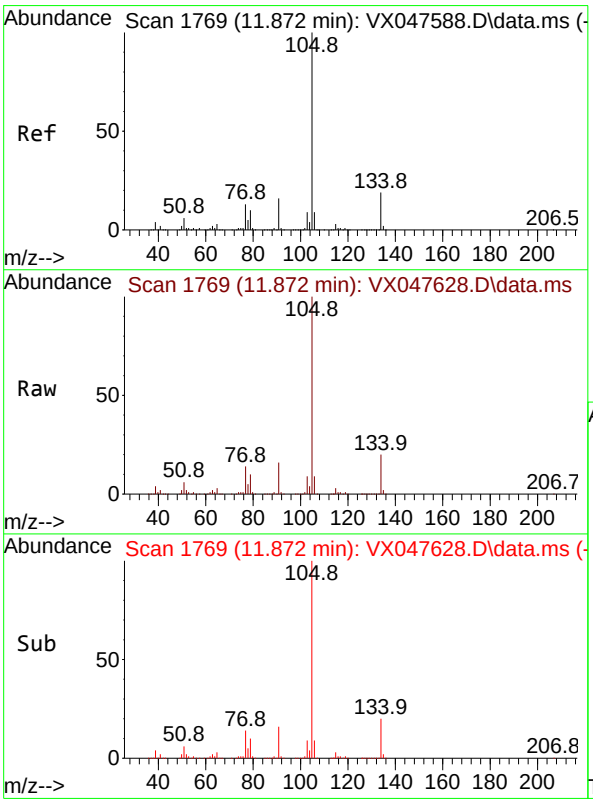
Ion	Ratio	Lower	Upper
105	100		
120	43.6	22.1	66.1



Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MSD

Manual Integrations
APPROVED

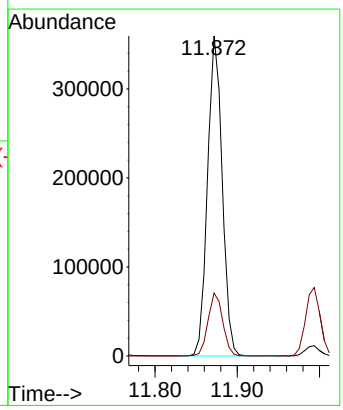
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

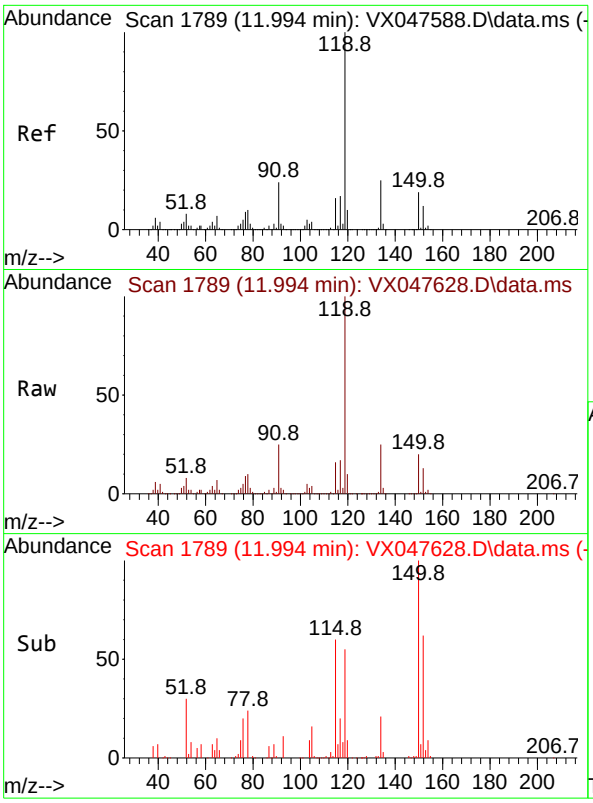


#85
sec-Butylbenzene
Concen: 47.699 ug/l
RT: 11.872 min Scan# 1769
Delta R.T. -0.000 min
Lab File: VX047628.D
Acq: 17 Sep 2025 18:40

Tgt Ion:105 Resp: 444945

Ion	Ratio	Lower	Upper
105	100		
134	19.8	9.8	29.5

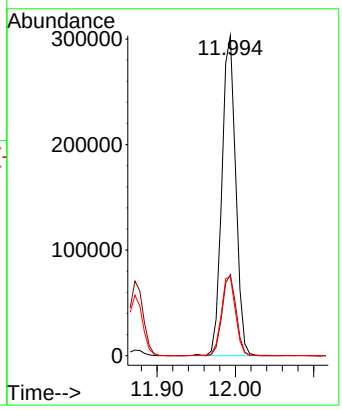




#86
p-Isopropyltoluene
Concen: 47.272 ug/l
RT: 11.994 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047628.D
Acq: 17 Sep 2025 18:40

Tgt Ion:119 Resp: 37331

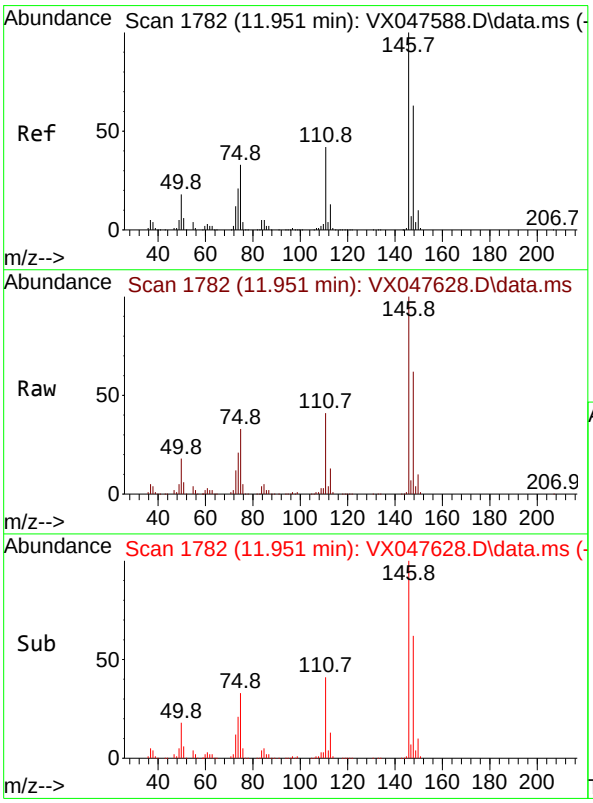
Ion	Ratio	Lower	Upper
119	100		
134	25.5	12.6	37.8
91	25.4	12.6	37.6



Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MSD

Manual Integrations
APPROVED

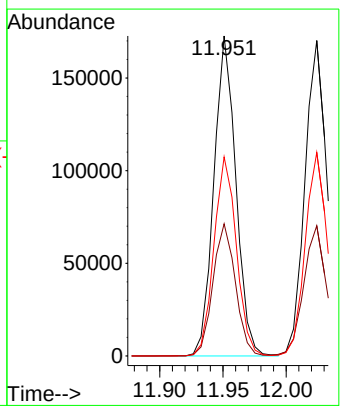
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

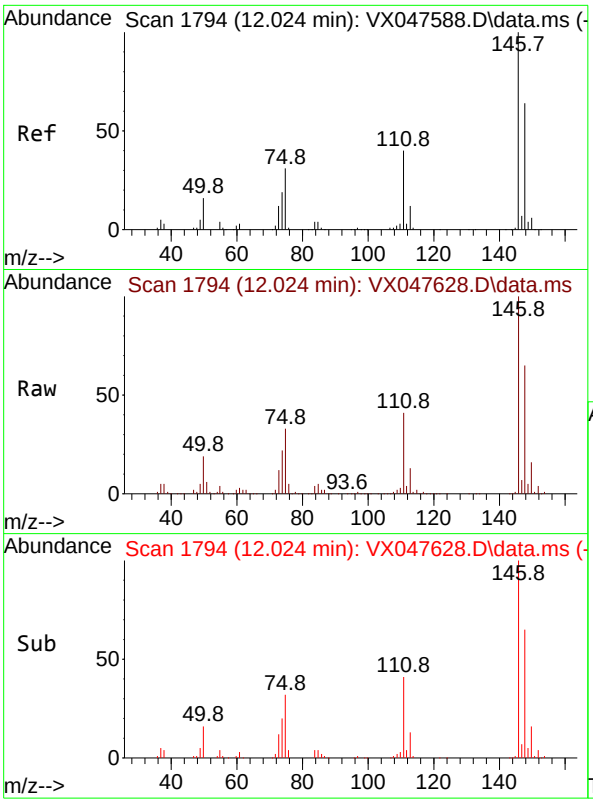


#87
1,3-Dichlorobenzene
Concen: 48.771 ug/l
RT: 11.951 min Scan# 1782
Delta R.T. -0.000 min
Lab File: VX047628.D
Acq: 17 Sep 2025 18:40

Tgt Ion:146 Resp: 208330

Ion	Ratio	Lower	Upper
146	100		
111	42.3	21.5	64.5
148	63.5	32.0	96.0

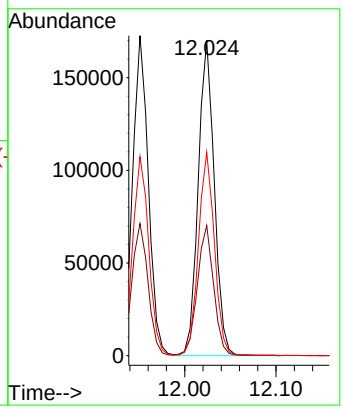




#88
1,4-Dichlorobenzene
Concen: 47.641 ug/l
RT: 12.024 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047628.D
Acq: 17 Sep 2025 18:40

Tgt Ion:146 Resp: 20886

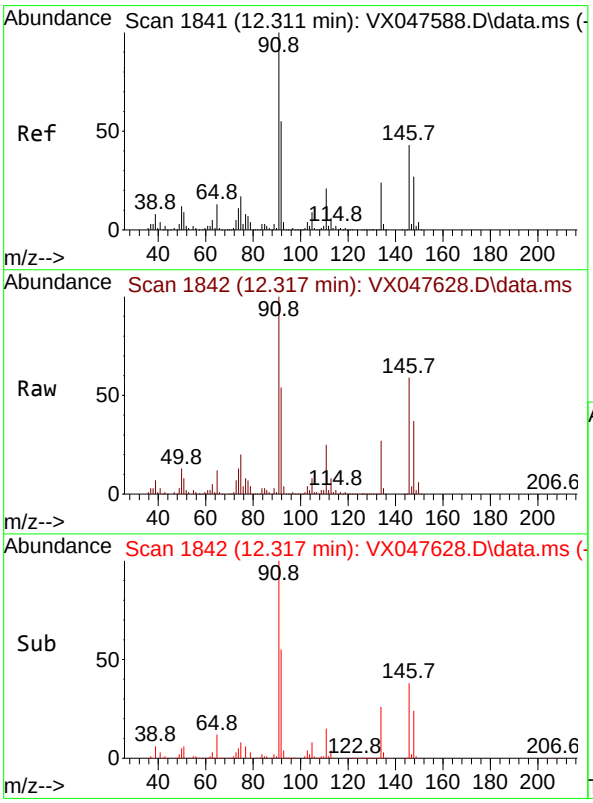
Ion	Ratio	Lower	Upper
146	100		
111	41.7	20.8	62.4
148	64.0	31.7	95.1



Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MSD

Manual Integrations
APPROVED

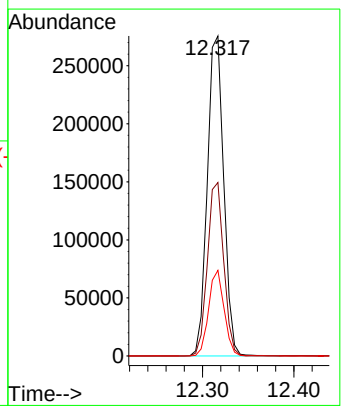
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

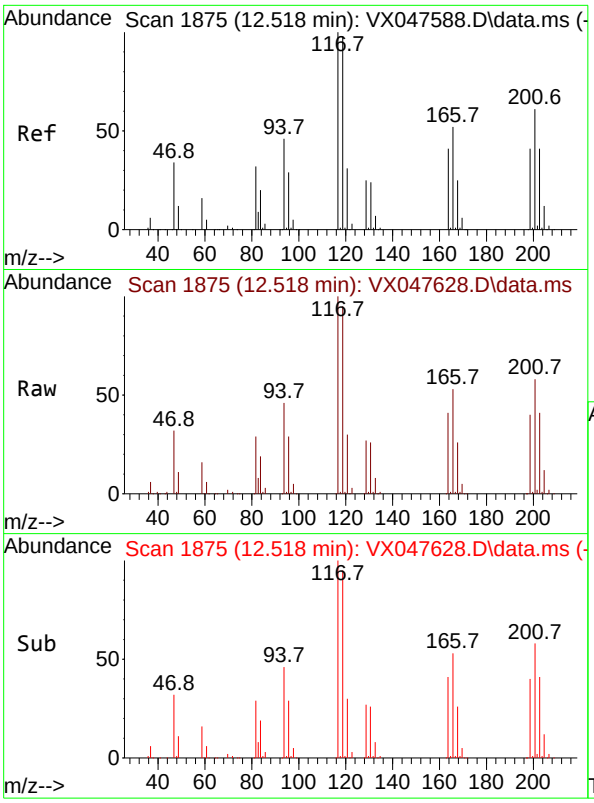


#89
n-Butylbenzene
Concen: 46.874 ug/l
RT: 12.317 min Scan# 1842
Delta R.T. 0.006 min
Lab File: VX047628.D
Acq: 17 Sep 2025 18:40

Tgt Ion: 91 Resp: 342525

Ion	Ratio	Lower	Upper
91	100		
92	54.0	27.6	82.7
134	25.3	12.6	37.8

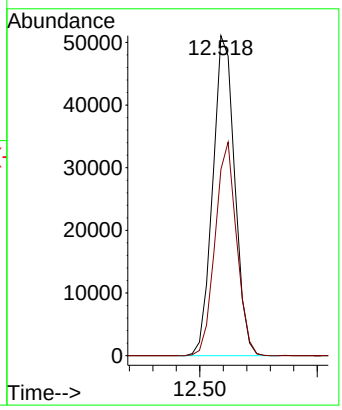




#90
Hexachloroethane
Concen: 47.825 ug/l
RT: 12.518 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047628.D
Acq: 17 Sep 2025 18:40

Tgt Ion:117 Resp: 6631

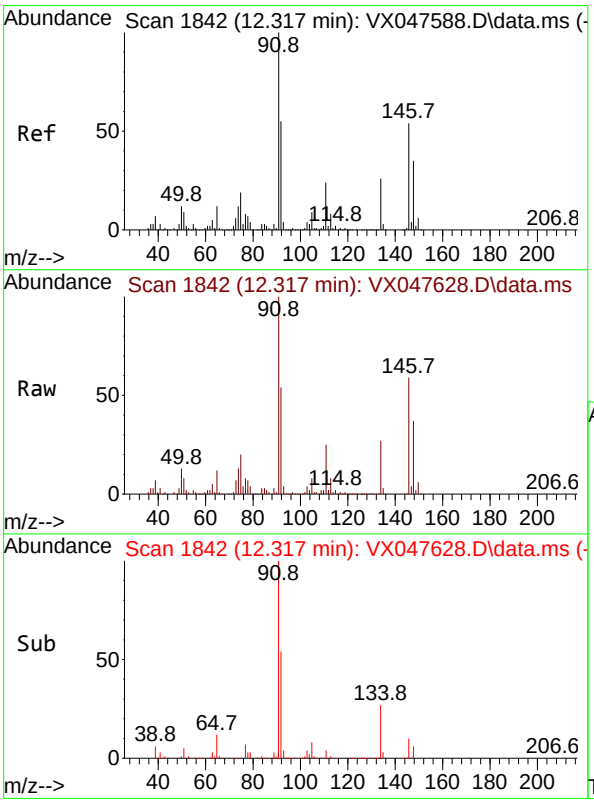
Ion	Ratio	Lower	Upper
117	100		
201	65.5	34.2	102.5



Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MSD

Manual Integrations
APPROVED

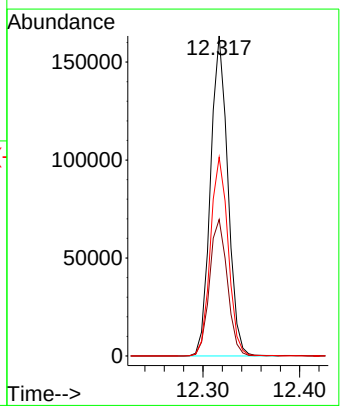
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

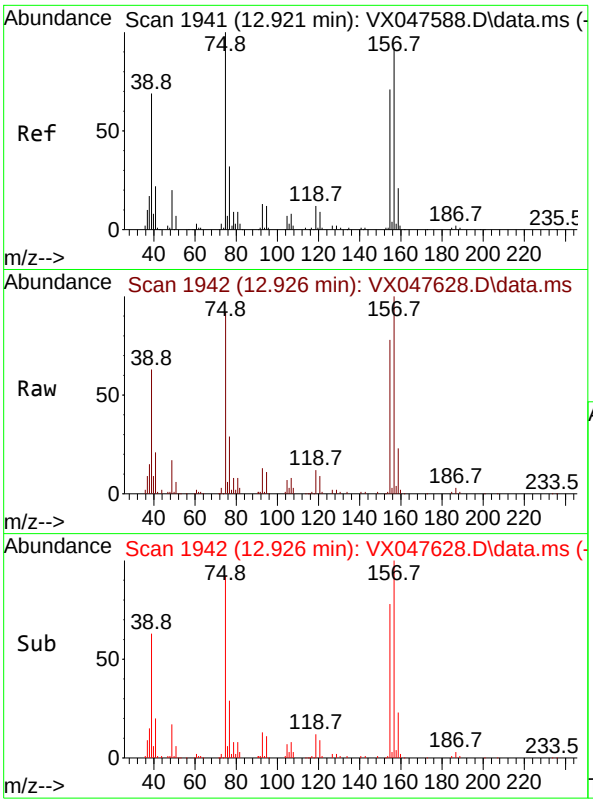


#91
1,2-Dichlorobenzene
Concen: 49.953 ug/l
RT: 12.317 min Scan# 1842
Delta R.T. -0.000 min
Lab File: VX047628.D
Acq: 17 Sep 2025 18:40

Tgt Ion:146 Resp: 203287

Ion	Ratio	Lower	Upper
146	100		
111	43.9	22.2	66.6
148	63.5	31.8	95.4

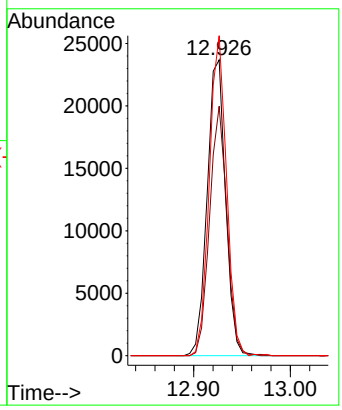




#92
1,2-Dibromo-3-Chloropropane
Concen: 54.777 ug/l
RT: 12.926 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047628.D
Acq: 17 Sep 2025 18:40

Tgt Ion: 75 Resp: 3133

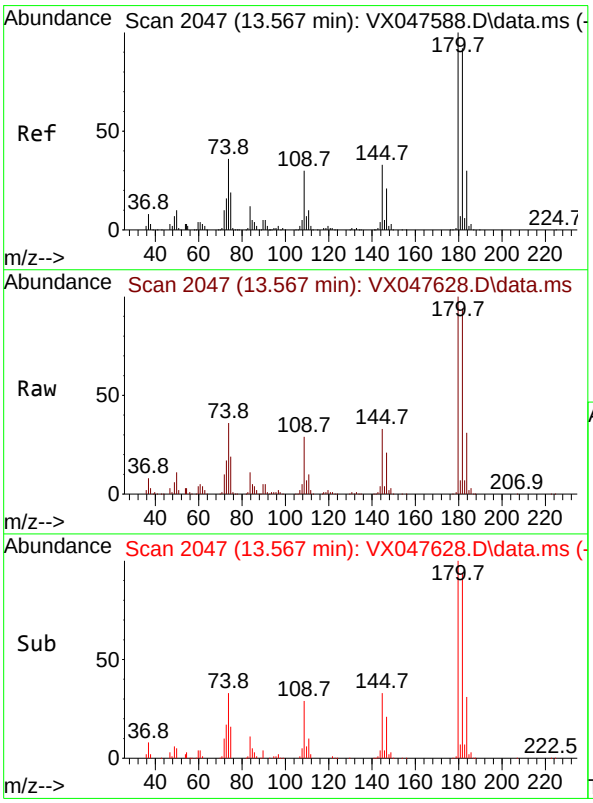
Ion	Ratio	Lower	Upper
75	100		
155	79.6	37.7	113.1
157	101.4	49.8	149.4



Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MSD

Manual Integrations
APPROVED

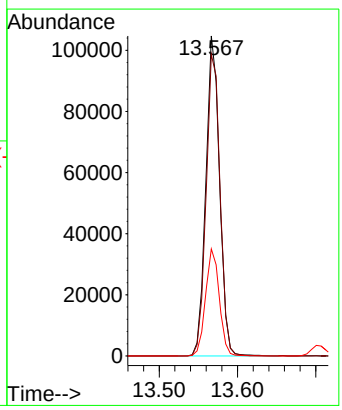
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

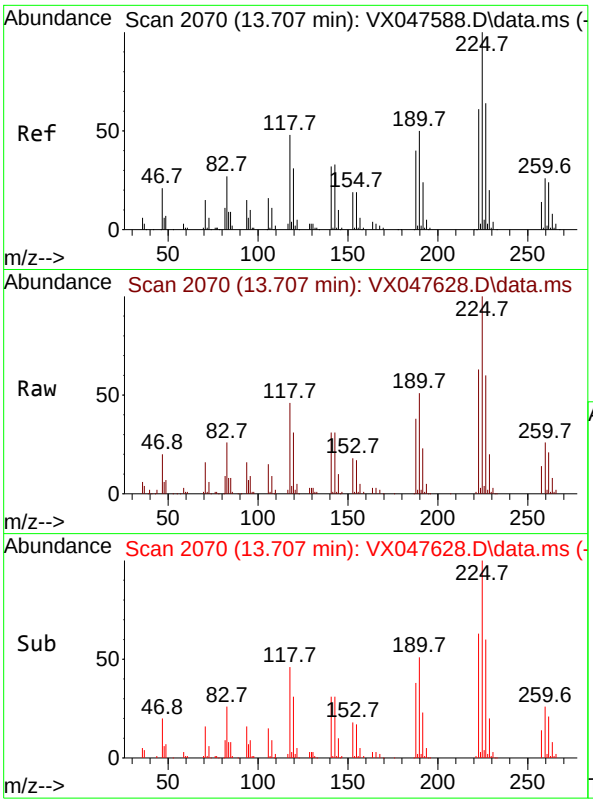


#93
1,2,4-Trichlorobenzene
Concen: 48.023 ug/l
RT: 13.567 min Scan# 2047
Delta R.T. -0.000 min
Lab File: VX047628.D
Acq: 17 Sep 2025 18:40

Tgt Ion:180 Resp: 127016

Ion	Ratio	Lower	Upper
180	100		
182	96.1	46.6	139.8
145	33.5	16.4	49.1

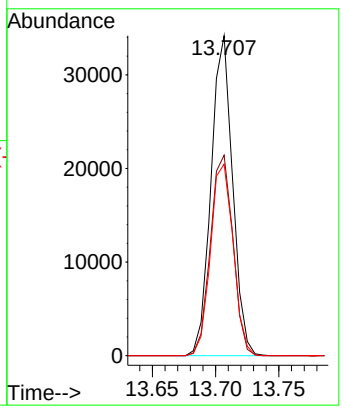




#94
Hexachlorobutadiene
Concen: 45.005 ug/l
RT: 13.707 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047628.D
Acq: 17 Sep 2025 18:40

Tgt Ion:225 Resp: 4043

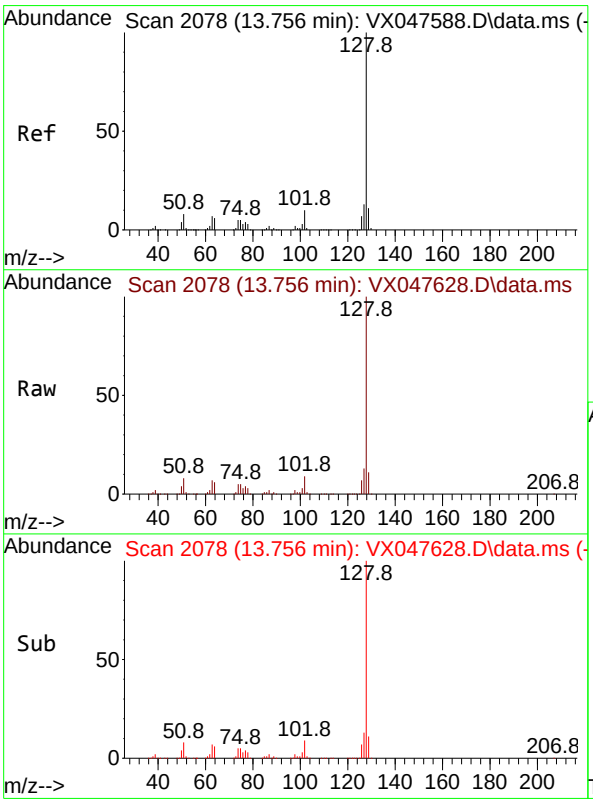
Ion	Ratio	Lower	Upper
225	100		
223	65.6	31.7	95.1
227	63.2	32.0	96.0



Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MSD

Manual Integrations
APPROVED

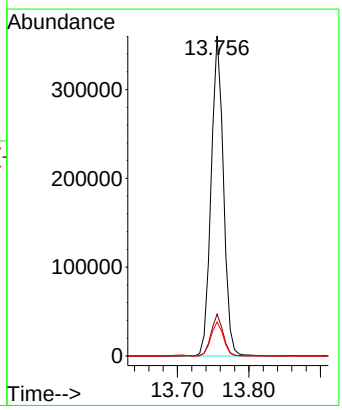
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

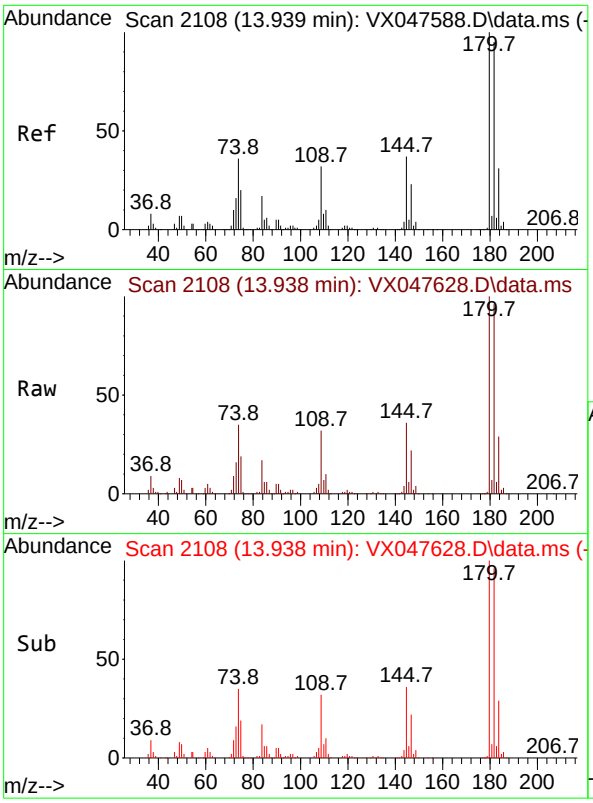


#95
Naphthalene
Concen: 53.345 ug/l
RT: 13.756 min Scan# 2078
Delta R.T. -0.000 min
Lab File: VX047628.D
Acq: 17 Sep 2025 18:40

Tgt Ion:128 Resp: 429630

Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.2
129	10.8	8.8	13.2

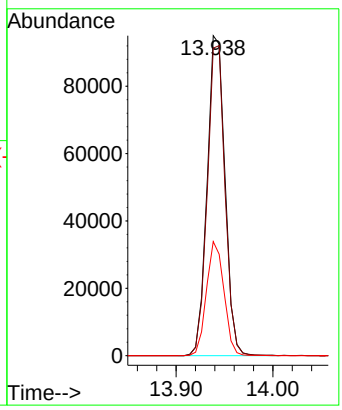




#96
1,2,3-Trichlorobenzene
Concen: 49.649 ug/l
RT: 13.938 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047628.D
Acq: 17 Sep 2025 18:40

Tgt Ion:180 Resp: 12215

Ion	Ratio	Lower	Upper
180	100		
182	96.3	47.6	142.8
145	35.0	17.9	53.7



Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MSD

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

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

Manual Integration Report

Sequence:	vx091625	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC001	VX047585.D	1,2,3-Trichloropropane	JOHN	9/17/2025 8:25:46 AM	MMDadoda	9/18/2025 3:22:10 PM	Peak Integrated by Software
VSTDICC001	VX047585.D	1,4-Dichlorobenzene	JOHN	9/17/2025 8:25:46 AM	MMDadoda	9/18/2025 3:22:10 PM	Peak Integrated by Software
VSTDICC001	VX047585.D	1,4-Dioxane	JOHN	9/17/2025 8:25:46 AM	MMDadoda	9/18/2025 3:22:10 PM	Peak Integrated by Software
VSTDICC005	VX047586.D	1,2,3-Trichloropropane	JOHN	9/17/2025 8:25:50 AM	MMDadoda	9/18/2025 3:22:12 PM	Peak Integrated by Software
VSTDICC020	VX047587.D	1,2,3-Trichloropropane	JOHN	9/17/2025 8:25:57 AM	MMDadoda	9/18/2025 3:22:15 PM	Peak Integrated by Software
VSTDICCC050	VX047588.D	1,2,3-Trichloropropane	JOHN	9/17/2025 8:26:01 AM	MMDadoda	9/18/2025 3:22:17 PM	Peak Integrated by Software
VSTDICC100	VX047589.D	1,2,3-Trichloropropane	JOHN	9/17/2025 8:26:06 AM	MMDadoda	9/18/2025 3:22:20 PM	Peak Integrated by Software
VSTDICC150	VX047590.D	1,2,3-Trichloropropane	JOHN	9/17/2025 8:26:11 AM	MMDadoda	9/18/2025 3:22:24 PM	Peak Integrated by Software
VSTDICV050	VX047592.D	1,2,3-Trichloropropane	JOHN	9/17/2025 8:26:15 AM	MMDadoda	9/18/2025 3:22:26 PM	Peak Integrated by Software
VSTDCCC050	VX047599.D	1,2,3-Trichloropropane	JOHN	9/17/2025 8:26:34 AM	MMDadoda	9/18/2025 3:22:31 PM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	vx091725	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VX047601.D	1,2,3-Trichloropropane	JOHN	9/18/2025 8:20:32 AM	MMDadoda	9/18/2025 3:26:11 PM	Peak Integrated by Software
VX0917WBS01	VX047604.D	1,2,3-Trichloropropane	JOHN	9/18/2025 8:20:36 AM	MMDadoda	9/18/2025 3:26:13 PM	Peak Integrated by Software
Q3095-06MS	VX047627.D	1,2,3-Trichloropropane	JOHN	9/18/2025 8:23:03 AM	MMDadoda	9/18/2025 3:26:21 PM	Peak Integrated by Software
Q3095-07MSD	VX047628.D	1,2,3-Trichloropropane	JOHN	9/18/2025 8:23:07 AM	MMDadoda	9/18/2025 3:26:23 PM	Peak Integrated by Software
VSTDCCC050	VX047629.D	1,2,3-Trichloropropane	JOHN	9/18/2025 8:23:12 AM	MMDadoda	9/18/2025 3:26:25 PM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	vx091825	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VX047631.D	1,2,3-Trichloropropane	JOHN	9/19/2025 8:19:00 AM	MMDadoda	9/19/2025 3:59:21 PM	Peak Integrated by Software
VX0918WBS01	VX047634.D	1,2,3-Trichloropropane	JOHN	9/19/2025 8:19:06 AM	MMDadoda	9/19/2025 3:59:22 PM	Peak Integrated by Software
VSTDCCC050	VX047658.D	1,2,3-Trichloropropane	JOHN	9/19/2025 8:19:17 AM	MMDadoda	9/19/2025 3:59:23 PM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	VX091925	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VX047660.D	1,2,3-Trichloropropane	SAM	9/22/2025 7:00:28 AM	MMDadoda	9/22/2025 7:03:05 AM	Peak Integrated by Software
VX0919WBS01	VX047663.D	1,2,3-Trichloropropane	SAM	9/22/2025 7:00:39 AM	MMDadoda	9/22/2025 7:03:07 AM	Peak Integrated by Software
VSTDCCC050	VX047687.D	1,2,3-Trichloropropane	SAM	9/22/2025 7:00:43 AM	MMDadoda	9/22/2025 7:03:10 AM	Peak Integrated by Software

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

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX091625

Review By	John Carlone	Review On	9/17/2025 8:27:00 AM		
Supervise By	Mahesh Dadoda	Supervise On	9/18/2025 3:22:52 PM		
SubDirectory	VX091625	HP Acquire Method		HP Processing Method	82X091625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135487
Initial Calibration Stds	VP135489,VP135490,VP135491,VP135492,VP135493,VP135494
CCC	VP135488
Internal Standard/PEM	
ICV/I.BLK	VP135495
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr #	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX047584.D	16 Sep 2025 08:56	JC/MD	Ok
2	VSTDICC001	VX047585.D	16 Sep 2025 09:23	JC/MD	Ok,M
3	VSTDICC005	VX047586.D	16 Sep 2025 10:16	JC/MD	Ok,M
4	VSTDICC020	VX047587.D	16 Sep 2025 10:37	JC/MD	Ok,M
5	VSTDICCC050	VX047588.D	16 Sep 2025 10:58	JC/MD	Ok,M
6	VSTDICC100	VX047589.D	16 Sep 2025 11:40	JC/MD	Ok,M
7	VSTDICC150	VX047590.D	16 Sep 2025 12:01	JC/MD	Ok,M
8	IBLK	VX047591.D	16 Sep 2025 12:22	JC/MD	Ok
9	VSTDICV050	VX047592.D	16 Sep 2025 13:35	JC/MD	Ok,M
10	VX0916MBL01	VX047593.D	16 Sep 2025 14:03	JC/MD	Ok
11	VX0916WBL01	VX047594.D	16 Sep 2025 14:53	JC/MD	Ok
12	VX0916WBS01	VX047595.D	16 Sep 2025 15:21	JC/MD	Ok,M
13	VX0916WBSD01	VX047596.D	16 Sep 2025 15:46	JC/MD	Ok,M
14	Q3015-01	VX047597.D	16 Sep 2025 16:07	JC/MD	Ok
15	VIBLK	VX047598.D	16 Sep 2025 16:30	JC/MD	Ok
16	VSTDCCC050	VX047599.D	16 Sep 2025 16:51	JC/MD	Ok,M

M : Manual Integration

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

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX091725

Review By	John Carlone	Review On	9/18/2025 8:34:25 AM		
Supervise By	Mahesh Dadoda	Supervise On	9/18/2025 3:26:39 PM		
SubDirectory	VX091725	HP Acquire Method		HP Processing Method	82X091625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135511
Initial Calibration Stds	
CCC	VP135512,VP135513
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr #	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX047600.D	17 Sep 2025 08:19	JC/MD	Ok
2	VSTDCCC050	VX047601.D	17 Sep 2025 08:51	JC/MD	Ok,M
3	VX0917MBL01	VX047602.D	17 Sep 2025 09:21	JC/MD	Ok
4	VX0917WBL01	VX047603.D	17 Sep 2025 09:41	JC/MD	Ok
5	VX0917WBS01	VX047604.D	17 Sep 2025 10:09	JC/MD	Ok,M
6	VX0917WBSD01	VX047605.D	17 Sep 2025 10:37	JC/MD	Ok,M
7	Q3109-02DL	VX047606.D	17 Sep 2025 10:57	JC/MD	Ok,M
8	Q3095-01	VX047607.D	17 Sep 2025 11:18	JC/MD	Ok
9	Q3095-02	VX047608.D	17 Sep 2025 11:39	JC/MD	Ok
10	Q3095-03	VX047609.D	17 Sep 2025 12:00	JC/MD	Ok
11	Q3095-04	VX047610.D	17 Sep 2025 12:21	JC/MD	Ok
12	Q3095-08	VX047611.D	17 Sep 2025 12:42	JC/MD	Ok
13	Q3095-09	VX047612.D	17 Sep 2025 13:03	JC/MD	Ok
14	Q3095-10	VX047613.D	17 Sep 2025 13:24	JC/MD	Ok
15	Q3095-11	VX047614.D	17 Sep 2025 13:45	JC/MD	Dilution
16	Q3095-12	VX047615.D	17 Sep 2025 14:06	JC/MD	ReRun
17	Q3095-13	VX047616.D	17 Sep 2025 14:27	JC/MD	Dilution
18	Q3095-14	VX047617.D	17 Sep 2025 14:48	JC/MD	ReRun
19	Q3095-15	VX047618.D	17 Sep 2025 15:09	JC/MD	Not Ok
20	Q3095-16	VX047619.D	17 Sep 2025 15:30	JC/MD	Dilution
21	Q3095-17	VX047620.D	17 Sep 2025 15:51	JC/MD	Dilution

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

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX091725

Review By	John Carlone	Review On	9/18/2025 8:34:25 AM		
Supervise By	Mahesh Dadoda	Supervise On	9/18/2025 3:26:39 PM		
SubDirectory	VX091725	HP Acquire Method		HP Processing Method	82X091625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135511
Initial Calibration Stds	
CCC	VP135512,VP135513
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q3095-18	VX047621.D	17 Sep 2025 16:13	JC/MD	Dilution
23	Q3095-19	VX047622.D	17 Sep 2025 16:34	JC/MD	ReRun
24	Q3095-20	VX047623.D	17 Sep 2025 16:55	JC/MD	Not Ok
25	Q3095-21	VX047624.D	17 Sep 2025 17:16	JC/MD	Ok
26	Q3095-22	VX047625.D	17 Sep 2025 17:37	JC/MD	Ok
27	Q3095-05	VX047626.D	17 Sep 2025 17:58	JC/MD	Ok
28	Q3095-06MS	VX047627.D	17 Sep 2025 18:19	JC/MD	Ok,M
29	Q3095-07MSD	VX047628.D	17 Sep 2025 18:40	JC/MD	Ok,M
30	VSTDCCC050	VX047629.D	17 Sep 2025 19:01	JC/MD	Ok,M

M : Manual Integration

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

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX091825

Review By	John Carlone	Review On	9/19/2025 8:26:27 AM		
Supervise By	Mahesh Dadoda	Supervise On	9/19/2025 3:59:08 PM		
SubDirectory	VX091825	HP Acquire Method		HP Processing Method	82X091625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135531
Initial Calibration Stds	
CCC	VP135532,VP135533
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr #	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX047630.D	18 Sep 2025 10:39	JC/MD	Ok
2	VSTDCCC050	VX047631.D	18 Sep 2025 11:30	JC/MD	Ok,M
3	VX0918MBL01	VX047632.D	18 Sep 2025 11:58	JC/MD	Ok
4	VX0918WBL01	VX047633.D	18 Sep 2025 12:19	JC/MD	Ok
5	VX0918WBS01	VX047634.D	18 Sep 2025 12:45	JC/MD	Ok,M
6	VX0918WBSD01	VX047635.D	18 Sep 2025 13:16	JC/MD	Ok,M
7	Q3095-11DL	VX047636.D	18 Sep 2025 13:37	JC/MD	Ok
8	Q3095-18DL	VX047637.D	18 Sep 2025 13:58	JC/MD	Ok
9	Q3095-13DL	VX047638.D	18 Sep 2025 14:19	JC/MD	Ok
10	Q3095-16DL	VX047639.D	18 Sep 2025 14:40	JC/MD	Ok
11	Q3095-17DL	VX047640.D	18 Sep 2025 15:01	JC/MD	Ok
12	Q3095-12	VX047641.D	18 Sep 2025 15:22	JC/MD	Ok
13	Q3095-14	VX047642.D	18 Sep 2025 15:43	JC/MD	Ok
14	Q3095-15	VX047643.D	18 Sep 2025 16:03	JC/MD	Ok
15	Q3095-19	VX047644.D	18 Sep 2025 16:24	JC/MD	Ok
16	Q3095-20	VX047645.D	18 Sep 2025 16:45	JC/MD	Ok
17	Q3095-33	VX047646.D	18 Sep 2025 17:06	JC/MD	Ok
18	Q3095-34	VX047647.D	18 Sep 2025 17:27	JC/MD	Ok
19	Q3095-23	VX047648.D	18 Sep 2025 17:48	JC/MD	Dilution
20	Q3095-24	VX047649.D	18 Sep 2025 18:08	JC/MD	ReRun
21	Q3095-25	VX047650.D	18 Sep 2025 18:29	JC/MD	Dilution

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

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX091825

Review By	John Carlone	Review On	9/19/2025 8:26:27 AM		
Supervise By	Mahesh Dadoda	Supervise On	9/19/2025 3:59:08 PM		
SubDirectory	VX091825	HP Acquire Method		HP Processing Method	82X091625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135531
Initial Calibration Stds	
CCC	VP135532,VP135533
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q3095-26	VX047651.D	18 Sep 2025 18:50	JC/MD	ReRun
23	Q3095-27	VX047652.D	18 Sep 2025 19:11	JC/MD	ReRun
24	Q3095-28	VX047653.D	18 Sep 2025 19:32	JC/MD	Ok
25	Q3095-29	VX047654.D	18 Sep 2025 19:53	JC/MD	Dilution
26	Q3095-30	VX047655.D	18 Sep 2025 20:13	JC/MD	ReRun
27	Q3095-31	VX047656.D	18 Sep 2025 20:34	JC/MD	Not Ok
28	Q3095-32	VX047657.D	18 Sep 2025 20:55	JC/MD	Not Ok
29	VSTDCCC050	VX047658.D	18 Sep 2025 21:16	JC/MD	Ok,M

M : Manual Integration

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

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX091925

Review By	Semsettin Yesilyurt	Review On	9/22/2025 7:00:57 AM		
Supervise By	Mahesh Dadoda	Supervise On	9/22/2025 7:03:24 AM		
SubDirectory	VX091925	HP Acquire Method		HP Processing Method	82X091625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135543
Initial Calibration Stds	
CCC	VP135544,VP135545
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr #	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX047659.D	19 Sep 2025 08:17	JC/MD	Ok
2	VSTDCCC050	VX047660.D	19 Sep 2025 09:22	JC/MD	Ok,M
3	VX0919MBL01	VX047661.D	19 Sep 2025 09:50	JC/MD	Ok
4	VX0919WBL01	VX047662.D	19 Sep 2025 10:11	JC/MD	Ok
5	VX0919WBS01	VX047663.D	19 Sep 2025 10:38	JC/MD	Ok,M
6	VX0919WBSD01	VX047664.D	19 Sep 2025 11:05	JC/MD	Ok,M
7	Q3095-23DL	VX047665.D	19 Sep 2025 11:26	JC/MD	Ok
8	Q3095-25DL	VX047666.D	19 Sep 2025 11:47	JC/MD	Ok
9	Q3095-29DL	VX047667.D	19 Sep 2025 12:08	JC/MD	Ok
10	Q3095-24	VX047668.D	19 Sep 2025 12:29	JC/MD	Ok
11	Q3135-01	VX047669.D	19 Sep 2025 12:50	JC/MD	Ok
12	Q3095-26	VX047670.D	19 Sep 2025 13:11	JC/MD	Ok
13	Q3095-27	VX047671.D	19 Sep 2025 13:32	JC/MD	Ok
14	Q3095-30	VX047672.D	19 Sep 2025 13:52	JC/MD	Ok
15	Q3095-31	VX047673.D	19 Sep 2025 14:13	JC/MD	Ok
16	Q3095-32	VX047674.D	19 Sep 2025 14:34	JC/MD	Ok
17	Q3097-26	VX047675.D	19 Sep 2025 14:55	JC/MD	ReRun
18	Q3097-04	VX047676.D	19 Sep 2025 15:15	JC/MD	Ok
19	Q3097-05	VX047677.D	19 Sep 2025 15:36	JC/MD	Ok
20	Q3097-06	VX047678.D	19 Sep 2025 15:57	JC/MD	Ok
21	Q3097-07	VX047679.D	19 Sep 2025 16:17	JC/MD	Dilution

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

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX091925

Review By	Semsettin Yesilyurt	Review On	9/22/2025 7:00:57 AM		
Supervise By	Mahesh Dadoda	Supervise On	9/22/2025 7:03:24 AM		
SubDirectory	VX091925	HP Acquire Method		HP Processing Method	82X091625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135543
Initial Calibration Stds	
CCC	VP135544,VP135545
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q3097-08	VX047680.D	19 Sep 2025 16:38	JC/MD	Dilution
23	Q3097-09	VX047681.D	19 Sep 2025 16:59	JC/MD	ReRun
24	Q3097-10	VX047682.D	19 Sep 2025 17:20	JC/MD	Not Ok
25	Q3097-11	VX047683.D	19 Sep 2025 17:40	JC/MD	Ok
26	Q3097-12	VX047684.D	19 Sep 2025 18:01	JC/MD	Ok
27	Q3097-13	VX047685.D	19 Sep 2025 18:22	JC/MD	Ok
28	Q3097-14	VX047686.D	19 Sep 2025 18:42	JC/MD	Dilution
29	VSTDCCC050	VX047687.D	19 Sep 2025 19:03	JC/MD	Ok,M

M : Manual Integration

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

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX091625

Review By	John Carlone	Review On	9/17/2025 8:27:00 AM		
Supervise By	Mahesh Dadoda	Supervise On	9/18/2025 3:22:52 PM		
SubDirectory	VX091625	HP Acquire Method		HP Processing Method	82X091625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135487
Initial Calibration Stds	VP135489,VP135490,VP135491,VP135492,VP135493,VP135494
CCC	VP135488
Internal Standard/PEM	
ICV/I.BLK	VP135495
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr #	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VX047584.D	16 Sep 2025 08:56		JC/MD	Ok
2	VSTDICC001	VSTDICC001	VX047585.D	16 Sep 2025 09:23		JC/MD	Ok,M
3	VSTDICC005	VSTDICC005	VX047586.D	16 Sep 2025 10:16	QR-58	JC/MD	Ok,M
4	VSTDICC020	VSTDICC020	VX047587.D	16 Sep 2025 10:37		JC/MD	Ok,M
5	VSTDICCC050	VSTDICCC050	VX047588.D	16 Sep 2025 10:58		JC/MD	Ok,M
6	VSTDICC100	VSTDICC100	VX047589.D	16 Sep 2025 11:40		JC/MD	Ok,M
7	VSTDICC150	VSTDICC150	VX047590.D	16 Sep 2025 12:01		JC/MD	Ok,M
8	IBLK	IBLK	VX047591.D	16 Sep 2025 12:22		JC/MD	Ok
9	VSTDICV050	ICVVX091625	VX047592.D	16 Sep 2025 13:35		JC/MD	Ok,M
10	VX0916MBL01	VX0916MBL01	VX047593.D	16 Sep 2025 14:03		JC/MD	Ok
11	VX0916WBL01	VX0916WBL01	VX047594.D	16 Sep 2025 14:53		JC/MD	Ok
12	VX0916WBS01	VX0916WBS01	VX047595.D	16 Sep 2025 15:21		JC/MD	Ok,M
13	VX0916WBSD01	VX0916WBSD01	VX047596.D	16 Sep 2025 15:46		JC/MD	Ok,M
14	Q3015-01	WP0925-PT-VOA-WP	VX047597.D	16 Sep 2025 16:07		JC/MD	Ok
15	VIBLK	VIBLK	VX047598.D	16 Sep 2025 16:30		JC/MD	Ok
16	VSTDCCC050	VSTDCCC050EC	VX047599.D	16 Sep 2025 16:51		JC/MD	Ok,M

M : Manual Integration

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

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX091725

Review By	John Carlone	Review On	9/18/2025 8:34:25 AM		
Supervise By	Mahesh Dadoda	Supervise On	9/18/2025 3:26:39 PM		
SubDirectory	VX091725	HP Acquire Method		HP Processing Method	82X091625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135511
Initial Calibration Stds	
CCC	VP135512,VP135513
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	VX047600.D	17 Sep 2025 08:19		JC/MD	Ok
2	VSTDCCC050	VSTDCCC050	VX047601.D	17 Sep 2025 08:51	pH#Lot#V12668	JC/MD	Ok,M
3	VX0917MBL01	VX0917MBL01	VX047602.D	17 Sep 2025 09:21		JC/MD	Ok
4	VX0917WBL01	VX0917WBL01	VX047603.D	17 Sep 2025 09:41		JC/MD	Ok
5	VX0917WBS01	VX0917WBS01	VX047604.D	17 Sep 2025 10:09		JC/MD	Ok,M
6	VX0917WBSD01	VX0917WBSD01	VX047605.D	17 Sep 2025 10:37		JC/MD	Ok,M
7	Q3109-02DL	MW1DL	VX047606.D	17 Sep 2025 10:57	vial B pH<2	JC/MD	Ok,M
8	Q3095-01	MW305I-20250908	VX047607.D	17 Sep 2025 11:18	vial A pH<2	JC/MD	Ok
9	Q3095-02	MW179D-20250908	VX047608.D	17 Sep 2025 11:39	vial A pH<2	JC/MD	Ok
10	Q3095-03	MW201D-20250908	VX047609.D	17 Sep 2025 12:00	vial A pH<2	JC/MD	Ok
11	Q3095-04	MW179D1-20250908	VX047610.D	17 Sep 2025 12:21	vial A pH<2	JC/MD	Ok
12	Q3095-08	MW203D1-20250909	VX047611.D	17 Sep 2025 12:42	vial A pH<2	JC/MD	Ok
13	Q3095-09	MW179D2-20250909	VX047612.D	17 Sep 2025 13:03	vial A pH<2	JC/MD	Ok
14	Q3095-10	MW201D1-20250909	VX047613.D	17 Sep 2025 13:24	vial A pH<2	JC/MD	Ok
15	Q3095-11	RE122D1-20250909	VX047614.D	17 Sep 2025 13:45	vial A pH<2 Need 5X	JC/MD	Dilution
16	Q3095-12	MW202D-20250909	VX047615.D	17 Sep 2025 14:06	vial A pH<2 E flag of previous sample	JC/MD	ReRun
17	Q3095-13	MW178I1-20250909	VX047616.D	17 Sep 2025 14:27	vial A pH<2 Need 10X	JC/MD	Dilution

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

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX091725

Review By	John Carlone	Review On	9/18/2025 8:34:25 AM		
Supervise By	Mahesh Dadoda	Supervise On	9/18/2025 3:26:39 PM		
SubDirectory	VX091725	HP Acquire Method		HP Processing Method	82X091625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135511
Initial Calibration Stds	
CCC	VP135512,VP135513
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	Q3095-14	RE123D1-20250909	VX047617.D	17 Sep 2025 14:48	vial A pH<2 E flag of previous sample	JC/MD	ReRun
19	Q3095-15	RE123D3-20250909	VX047618.D	17 Sep 2025 15:09	vial A pH<2 Confirm concentration	JC/MD	Not Ok
20	Q3095-16	MW305D-20250909	VX047619.D	17 Sep 2025 15:30	vial A pH<2 Need 20X	JC/MD	Dilution
21	Q3095-17	DUP01-20250909	VX047620.D	17 Sep 2025 15:51	vial A pH<2 Need 20X	JC/MD	Dilution
22	Q3095-18	RE126D2-20250909	VX047621.D	17 Sep 2025 16:13	vial A pH<2 Need 5X	JC/MD	Dilution
23	Q3095-19	RE126D3-20250909	VX047622.D	17 Sep 2025 16:34	vial A pH<2 E flag of previous sample	JC/MD	ReRun
24	Q3095-20	MW178S-20250910	VX047623.D	17 Sep 2025 16:55	vial A pH<2 Confirm concentration	JC/MD	Not Ok
25	Q3095-21	RE126D1-20250910	VX047624.D	17 Sep 2025 17:16	vial A pH<2	JC/MD	Ok
26	Q3095-22	MW202D1-20250910	VX047625.D	17 Sep 2025 17:37	vial A pH<2	JC/MD	Ok
27	Q3095-05	MW203D2-20250909	VX047626.D	17 Sep 2025 17:58	vial A pH<2	JC/MD	Ok
28	Q3095-06MS	MW203D2-20250909M	VX047627.D	17 Sep 2025 18:19	vial A pH<2	JC/MD	Ok,M
29	Q3095-07MSD	MW203D2-20250909M	VX047628.D	17 Sep 2025 18:40	vial A pH<2	JC/MD	Ok,M
30	VSTDCCC050	VSTDCCC050EC	VX047629.D	17 Sep 2025 19:01		JC/MD	Ok,M

M : Manual Integration

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

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX091825

Review By	John Carlone	Review On	9/19/2025 8:26:27 AM		
Supervise By	Mahesh Dadoda	Supervise On	9/19/2025 3:59:08 PM		
SubDirectory	VX091825	HP Acquire Method		HP Processing Method	82X091625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135531
Initial Calibration Stds	
CCC	VP135532,VP135533
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	VX047630.D	18 Sep 2025 10:39		JC/MD	Ok
2	VSTDCCC050	VSTDCCC050	VX047631.D	18 Sep 2025 11:30	pH#Lot#V12668	JC/MD	Ok,M
3	VX0918MBL01	VX0918MBL01	VX047632.D	18 Sep 2025 11:58		JC/MD	Ok
4	VX0918WBL01	VX0918WBL01	VX047633.D	18 Sep 2025 12:19		JC/MD	Ok
5	VX0918WBS01	VX0918WBS01	VX047634.D	18 Sep 2025 12:45		JC/MD	Ok,M
6	VX0918WBSD01	VX0918WBSD01	VX047635.D	18 Sep 2025 13:16		JC/MD	Ok,M
7	Q3095-11DL	RE122D1-20250909DL	VX047636.D	18 Sep 2025 13:37	vial B pH<2	JC/MD	Ok
8	Q3095-18DL	RE126D2-20250909DL	VX047637.D	18 Sep 2025 13:58	vial B pH<2	JC/MD	Ok
9	Q3095-13DL	MW178I1-20250909DL	VX047638.D	18 Sep 2025 14:19	vial B pH<2	JC/MD	Ok
10	Q3095-16DL	MW305D-20250909DL	VX047639.D	18 Sep 2025 14:40	vial B pH<2	JC/MD	Ok
11	Q3095-17DL	DUP01-20250909DL	VX047640.D	18 Sep 2025 15:01	vial B pH<2	JC/MD	Ok
12	Q3095-12	MW202D-20250909	VX047641.D	18 Sep 2025 15:22	vial B pH<2	JC/MD	Ok
13	Q3095-14	RE123D1-20250909	VX047642.D	18 Sep 2025 15:43	vial B pH<2	JC/MD	Ok
14	Q3095-15	RE123D3-20250909	VX047643.D	18 Sep 2025 16:03	vial B pH<2	JC/MD	Ok
15	Q3095-19	RE126D3-20250909	VX047644.D	18 Sep 2025 16:24	vial B pH<2	JC/MD	Ok
16	Q3095-20	MW178S-20250910	VX047645.D	18 Sep 2025 16:45	vial B pH<2	JC/MD	Ok
17	Q3095-33	TB01-20250911	VX047646.D	18 Sep 2025 17:06	vial A pH<2 TB	JC/MD	Ok
18	Q3095-34	TB02-20250911	VX047647.D	18 Sep 2025 17:27	vial A pH<2 TB	JC/MD	Ok

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

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX091825

Review By	John Carlone	Review On	9/19/2025 8:26:27 AM		
Supervise By	Mahesh Dadoda	Supervise On	9/19/2025 3:59:08 PM		
SubDirectory	VX091825	HP Acquire Method		HP Processing Method	82X091625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135531
Initial Calibration Stds	
CCC	VP135532,VP135533
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q3095-23	RE104D2-20250910	VX047648.D	18 Sep 2025 17:48	vial A pH<2 Need 5X	JC/MD	Dilution
20	Q3095-24	MW178I-20250910	VX047649.D	18 Sep 2025 18:08	vial A pH<2 E flag of previous sample	JC/MD	ReRun
21	Q3095-25	DUP02-20250910	VX047650.D	18 Sep 2025 18:29	vial A pH<2 Need 50X	JC/MD	Dilution
22	Q3095-26	DUP03-20250910	VX047651.D	18 Sep 2025 18:50	vial A pH<2 E flag of previous sample	JC/MD	ReRun
23	Q3095-27	RE117D1-20250910	VX047652.D	18 Sep 2025 19:11	vial A pH<2 Surrogate Fail	JC/MD	ReRun
24	Q3095-28	RE104D3-20250910	VX047653.D	18 Sep 2025 19:32	vial A pH<2	JC/MD	Ok
25	Q3095-29	RE122D2-20250910	VX047654.D	18 Sep 2025 19:53	vial A pH<2 Need 50X	JC/MD	Dilution
26	Q3095-30	RE104D1-20250910	VX047655.D	18 Sep 2025 20:13	vial A pH<2 E flag of previous sample	JC/MD	ReRun
27	Q3095-31	TT180D-20250911	VX047656.D	18 Sep 2025 20:34	vial A pH<2 Surrogate Fail;Confirm concentration	JC/MD	Not Ok
28	Q3095-32	RE122D3-20250911	VX047657.D	18 Sep 2025 20:55	vial A pH<2 Confirm concentration	JC/MD	Not Ok
29	VSTDCCC050	VSTDCCC050EC	VX047658.D	18 Sep 2025 21:16		JC/MD	Ok,M

M : Manual Integration

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

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX091925

Review By	Semsettin Yesilyurt	Review On	9/22/2025 7:00:57 AM		
Supervise By	Mahesh Dadoda	Supervise On	9/22/2025 7:03:24 AM		
SubDirectory	VX091925	HP Acquire Method		HP Processing Method	82X091625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135543
Initial Calibration Stds	
CCC	VP135544,VP135545
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	VX047659.D	19 Sep 2025 08:17		JC/MD	Ok
2	VSTDCCC050	VSTDCCC050	VX047660.D	19 Sep 2025 09:22	pH#Lot#V12668	JC/MD	Ok,M
3	VX0919MBL01	VX0919MBL01	VX047661.D	19 Sep 2025 09:50		JC/MD	Ok
4	VX0919WBL01	VX0919WBL01	VX047662.D	19 Sep 2025 10:11		JC/MD	Ok
5	VX0919WBS01	VX0919WBS01	VX047663.D	19 Sep 2025 10:38		JC/MD	Ok,M
6	VX0919WBSD01	VX0919WBSD01	VX047664.D	19 Sep 2025 11:05		JC/MD	Ok,M
7	Q3095-23DL	RE104D2-20250910DL	VX047665.D	19 Sep 2025 11:26	vial B pH<2	JC/MD	Ok
8	Q3095-25DL	DUP02-20250910DL	VX047666.D	19 Sep 2025 11:47	vial B pH<2	JC/MD	Ok
9	Q3095-29DL	RE122D2-20250910DL	VX047667.D	19 Sep 2025 12:08	vial B pH<2	JC/MD	Ok
10	Q3095-24	MW178I-20250910	VX047668.D	19 Sep 2025 12:29	vial B pH<2	JC/MD	Ok
11	Q3135-01	MH-121	VX047669.D	19 Sep 2025 12:50	vial A pH<2	JC/MD	Ok
12	Q3095-26	DUP03-20250910	VX047670.D	19 Sep 2025 13:11	vial B pH<2	JC/MD	Ok
13	Q3095-27	RE117D1-20250910	VX047671.D	19 Sep 2025 13:32	vial B pH<2	JC/MD	Ok
14	Q3095-30	RE104D1-20250910	VX047672.D	19 Sep 2025 13:52	vial B pH<2	JC/MD	Ok
15	Q3095-31	TT180D-20250911	VX047673.D	19 Sep 2025 14:13	vial B pH<2	JC/MD	Ok
16	Q3095-32	RE122D3-20250911	VX047674.D	19 Sep 2025 14:34	vial B pH<2	JC/MD	Ok
17	Q3097-26	EB01-20250912	VX047675.D	19 Sep 2025 14:55	vial A pH<2 EB,Hit of com.#16	JC/MD	ReRun
18	Q3097-04	RE125D1-20250911	VX047676.D	19 Sep 2025 15:15	vial A pH<2	JC/MD	Ok

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

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX091925

Review By	Semsettin Yesilyurt	Review On	9/22/2025 7:00:57 AM		
Supervise By	Mahesh Dadoda	Supervise On	9/22/2025 7:03:24 AM		
SubDirectory	VX091925	HP Acquire Method		HP Processing Method	82X091625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135543
Initial Calibration Stds	
CCC	VP135544,VP135545
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q3097-05	RE125D3-20250911	VX047677.D	19 Sep 2025 15:36	vial A pH<2	JC/MD	Ok
20	Q3097-06	RE103D3-20250911	VX047678.D	19 Sep 2025 15:57	vial A pH<2	JC/MD	Ok
21	Q3097-07	RE108D2-20250911	VX047679.D	19 Sep 2025 16:17	vial A pH<2 Need 20X	JC/MD	Dilution
22	Q3097-08	RE125D2-20250911	VX047680.D	19 Sep 2025 16:38	vial A pH<2 Need 5X	JC/MD	Dilution
23	Q3097-09	RE108D1-20250911	VX047681.D	19 Sep 2025 16:59	vial A pH<2 E flag of previous sample	JC/MD	ReRun
24	Q3097-10	RE120D3-20250911	VX047682.D	19 Sep 2025 17:20	vial A pH<2 Confirm Concentration	JC/MD	Not Ok
25	Q3097-11	RE105D1-20250911	VX047683.D	19 Sep 2025 17:40	vial A pH<2	JC/MD	Ok
26	Q3097-12	DUP04-20250911	VX047684.D	19 Sep 2025 18:01	vial A pH<2	JC/MD	Ok
27	Q3097-13	DUP05-20250911	VX047685.D	19 Sep 2025 18:22	vial A pH<2	JC/MD	Ok
28	Q3097-14	RE105D2-20250911	VX047686.D	19 Sep 2025 18:42	vial A pH<2 Need 20X	JC/MD	Dilution
29	VSTDCCC050	VSTDCCC050EC	VX047687.D	19 Sep 2025 19:03		JC/MD	Ok,M

M : Manual Integration

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

Prep Standard - Chemical Standard Summary

Order ID : Q3095

Test : VOCMS Group1

Prepbatch ID :

Sequence ID/Qc Batch ID: vx091725,vx091825,VX091925,

Standard ID :
VP134142,VP134149,VP134933,VP134956,VP134957,VP135059,VP135480,VP135511,VP135512,VP135513,VP135531,VP135532,VP135533,VP135543,VP135544,VP135545,

Chemical ID :
V13391,V14290,V14444,V14446,V14507,V14508,V14529,V14530,V14625,V14626,V14636,V14637,V14638,V14639,V14668,V14671,V14673,V14675,V14702,V14705,V14716,V14745,V14751,V14806,V14807,V14843,V14906,V14929,V15066,V15067,V15068,W3112,

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

VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
719	8260 Working STD (BCM)-First source, 400PPM	VP134142	06/06/2025	12/06/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 06/10/2025

FROM 1.00000ml of V14668 + 1.00000ml of V14671 + 1.00000ml of V14673 + 1.00000ml of V14675 + 16.00000ml of V14929 = Final Quantity: 20.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1810	8260 Working Std(2-CVE)-800ppm	VP134149	06/06/2025	12/06/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 06/10/2025

FROM 1.00000ml of V14636 + 1.00000ml of V14637 + 1.00000ml of V14638 + 1.00000ml of V14639 + 46.00000ml of V14929 = Final Quantity: 50.000 ml

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

VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
617	8260 Surrogate, 400PPM	VP134933	07/29/2025	01/29/2026	Semsettin Yesilyurt	None	None	Mahesh Dadoda 08/19/2025

FROM 0.40000ml of V14906 + 24.60000ml of V14625 = Final Quantity: 25.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
247	8260 Internal Standard, 250PPM	VP134956	08/01/2025	11/09/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 08/06/2025

FROM 0.25000ml of V14290 + 24.75000ml of V14626 = Final Quantity: 25.000 ml

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

VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
218	BFB, 25PPM	VP134957	08/01/2025	11/22/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 08/06/2025

FROM 0.50000ml of V13391 + 49.50000ml of V14625 = Final Quantity: 50.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
257	8260 Calibration Working STD Mix-First source, 160PPM	VP135059	08/11/2025	09/19/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 08/19/2025

FROM 0.40000ml of V14843 + 1.00000ml of V14444 + 1.00000ml of V14446 + 1.00000ml of V14507 + 1.00000ml of V14508 + 1.00000ml of V14529 + 1.00000ml of V14530 + 1.00000ml of V14705 + 1.00000ml of V14745 + 1.00000ml of V14751 + 1.00000ml of V14806 + 1.00000ml of V14807 + 1.50000ml of V14702 + 1.50000ml of V14716 + 10.60000ml of V14625 = Final Quantity: 25.000 ml

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

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	VP135480	09/16/2025	10/15/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 09/19/2025

FROM 1.00000ml of V15066 + 1.50000ml of V15067 + 1.50000ml of V15068 + 21.00000ml of V14625 = Final Quantity: 25.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
589	BFB TUNE CHECK	VP135511	09/17/2025	09/18/2025	John Carlone	None	None	Mahesh Dadoda 09/19/2025

FROM 39.98400ml of W3112 + 0.01600ml of VP134957 = Final Quantity: 40.000 ml

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

VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
620	50 PPB CCC, 8260-Water	VP135512	09/17/2025	09/18/2025	John Carlone	None	None	Mahesh Dadoda 09/19/2025

FROM 39.94450ml of W3112 + 0.00500ml of VP134142 + 0.00500ml of VP134933 + 0.00800ml of VP134956 + 0.01250ml of VP134149 + 0.01250ml of VP135059 + 0.01250ml of VP135480 = 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	VP135513	09/17/2025	09/18/2025	John Carlone	None	None	Mahesh Dadoda 09/19/2025

FROM 39.94450ml of W3112 + 0.00500ml of VP134142 + 0.00500ml of VP134933 + 0.00800ml of VP134956 + 0.01250ml of VP134149 + 0.01250ml of VP135059 + 0.01250ml of VP135480 = Final Quantity: 40.000 ml

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

VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
589	BFB TUNE CHECK	VP135531	09/18/2025	09/19/2025	John Carlone	None	None	Mahesh Dadoda 09/19/2025

FROM 39.98400ml of W3112 + 0.01600ml of VP134957 = 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	VP135532	09/18/2025	09/19/2025	John Carlone	None	None	Mahesh Dadoda 09/19/2025

FROM 39.94450ml of W3112 + 0.00500ml of VP134142 + 0.00500ml of VP134933 + 0.00800ml of VP134956 + 0.01250ml of VP134149 + 0.01250ml of VP135059 + 0.01250ml of VP135480 = Final Quantity: 40.000 ml

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

VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
620	50 PPB CCC, 8260-Water	VP135533	09/18/2025	09/19/2025	John Carlone	None	None	Mahesh Dadoda 09/19/2025

FROM 39.94450ml of W3112 + 0.00500ml of VP134142 + 0.00500ml of VP134933 + 0.00800ml of VP134956 + 0.01250ml of VP134149 + 0.01250ml of VP135059 + 0.01250ml of VP135480 = Final Quantity: 40.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
589	BFB TUNE CHECK	VP135543	09/19/2025	09/20/2025	John Carlone	None	None	Mahesh Dadoda 09/22/2025

FROM 39.98400ml of W3112 + 0.01600ml of VP134957 = Final Quantity: 40.000 ml

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

VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
620	50 PPB CCC, 8260-Water	VP135544	09/19/2025	09/19/2025	John Carlone	None	None	Mahesh Dadoda 09/22/2025

FROM 39.94450ml of W3112 + 0.00500ml of VP134142 + 0.00500ml of VP134933 + 0.00800ml of VP134956 + 0.01250ml of VP134149 + 0.01250ml of VP135059 + 0.01250ml of VP135480 = 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	VP135545	09/19/2025	09/19/2025	John Carlone	None	None	Mahesh Dadoda 09/22/2025

FROM 39.94450ml of W3112 + 0.00500ml of VP134142 + 0.00500ml of VP134933 + 0.00800ml of VP134956 + 0.01250ml of VP134149 + 0.01250ml of VP135059 + 0.01250ml of VP135480 = Final Quantity: 40.000 ml

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

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	555581 / Custom Standard, 8260 Internal Std [CS 5179-1]	A0210184	12/12/2025	12/12/2024 / SAM	04/15/2024 / SAM	V14290

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30489 / VOA Mix, 8260B Acetates Mix, P&TM, 1mL	A0209618	09/30/2025	08/08/2025 / SAM	08/15/2024 / SAM	V14444

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30489 / VOA Mix, 8260B Acetates Mix, P&TM, 1mL	A0209618	09/30/2025	08/08/2025 / SAM	08/15/2024 / SAM	V14446

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	02/08/2026	08/08/2025 / SAM	09/17/2024 / SAM	V14507

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	02/08/2026	08/08/2025 / SAM	09/17/2024 / SAM	V14508

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

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	02/08/2026	08/08/2025 / SAM	09/18/2024 / SAM	V14529

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	02/08/2026	08/08/2025 / SAM	09/18/2024 / SAM	V14530

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	23I0762004	01/29/2026	07/29/2025 / SAM	11/26/2024 / SAM	V14625

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	23I0762004	11/09/2025	05/09/2025 / SAM	11/26/2024 / SAM	V14626

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	/ 2-Chloroethyl vinyl ether	120524	12/06/2025	06/06/2025 / SAM	12/06/2024 / SAM	V14636

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	/ 2-Chloroethyl vinyl ether	120524	12/06/2025	06/06/2025 / SAM	12/06/2024 / SAM	V14637

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

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	12/06/2025	06/06/2025 / SAM	12/06/2024 / SAM	V14638

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	/ 2-Chloroethyl vinyl ether	120524	12/06/2025	06/06/2025 / SAM	12/06/2024 / SAM	V14639

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	A0214960	12/06/2025	06/06/2025 / SAM	12/09/2024 / SAM	V14668

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	A0214960	12/06/2025	06/06/2025 / SAM	12/09/2024 / SAM	V14671

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	A0214960	12/06/2025	06/06/2025 / SAM	12/09/2024 / SAM	V14673

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	A0214960	12/06/2025	06/06/2025 / SAM	12/09/2024 / SAM	V14675

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml	A02110618	02/08/2026	08/08/2025 / SAM	12/17/2024 / SAM	V14702

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	02/08/2026	08/08/2025 / SAM	12/17/2024 / SAM	V14705

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	02/08/2026	08/08/2025 / SAM	12/17/2024 / SAM	V14716

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	02/08/2026	08/08/2025 / SAM	12/17/2024 / SAM	V14745

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	02/08/2026	08/08/2025 / SAM	12/17/2024 / SAM	V14751

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	02/08/2026	08/08/2025 / SAM	01/08/2025 / SAM	V14806

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

CHEMICAL RECEIPT LOG BOOK

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	02/08/2026	08/08/2025 / SAM	01/08/2025 / SAM	V14807

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	11/12/2025	05/12/2025 / SAM	01/21/2025 / SAM	V14843

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]	A0223904	07/29/2026	07/29/2025 / SAM	03/24/2025 / SAM	V14906

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)	24G0262002	12/06/2025	06/06/2025 / SAM	05/09/2025 / SAM	V14929

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	091525	10/15/2025	09/16/2025 / sam	09/16/2025 / sam	V15066

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	091525	10/15/2025	09/16/2025 / sam	09/16/2025 / sam	V15067

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

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)	091525	10/15/2025	09/16/2025 / sam	09/16/2025 / sam	V15068

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	DIW / DI Water	Daily Lab-Certified	07/03/2029	07/03/2024 / Iwona	07/03/2024 / Iwona	W3112

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis

avantor™ | J.T.Baker®

Material No.: 9077-02
Batch No.: 2310762004
Manufactured Date: 2023-08-11
Expiration Date: 2026-08-10
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (CH_3OH) (by GC, corrected for water)	≥ 99.9 %	100.0 %
Residue after Evaporation	≤ 1.0 ppm	0.5 ppm
Titrable Acid (µeq/g)	≤ 0.3	0.2
Titrable Base (µeq/g)	≤ 0.10	0.01
Water (by KF, coulometric)	≤ 0.08 %	< 0.01 %
Volatile Organic Trace Analysis – Below EPA 8260B CRQL	Conforms	Conforms

For Laboratory,Research,or Manufacturing Use
Performance Tested for Use in EPA Methods
500 Series for Drinking Water
600 Series for Wastewater
846 for Solid Waste

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Ken Koehnlein
Sr. Manager, Quality Assurance

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis

avantor™ | J.T.Baker®

Material No.: 9077-02
Batch No.: 2310762004
Manufactured Date: 2023-08-11
Expiration Date: 2026-08-10
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (CH_3OH) (by GC, corrected for water)	≥ 99.9 %	100.0 %
Residue after Evaporation	≤ 1.0 ppm	0.5 ppm
Titrable Acid (µeq/g)	≤ 0.3	0.2
Titrable Base (µeq/g)	≤ 0.10	0.01
Water (by KF, coulometric)	≤ 0.08 %	< 0.01 %
Volatile Organic Trace Analysis – Below EPA 8260B CRQL	Conforms	Conforms

For Laboratory,Research,or Manufacturing Use
Performance Tested for Use in EPA Methods
500 Series for Drinking Water
600 Series for Wastewater
846 for Solid Waste

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Ken Koehnlein
Sr. Manager, Quality Assurance

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

Rec 09/17/24

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 95317
Lot Number: 021624
Description: Universal VOA Megamix
69 components
Expiration Date: 021627
Recommended Storage: Freezer (0 °C)
Nominal Concentration (µg/mL): 2000
NIST Test ID#: 6UTB

Solvent(s): Lot#
Methanol EG359-USQ12

Weight(s) shown below were combined and diluted to (mL): 100.0 0.021 Flask Uncertainty (5E-05 Balance Uncertainty)

Formulated By: Prashant Chauhan 021624 DATE

Reviewed By: Pedro L. Rentas 021624 DATE

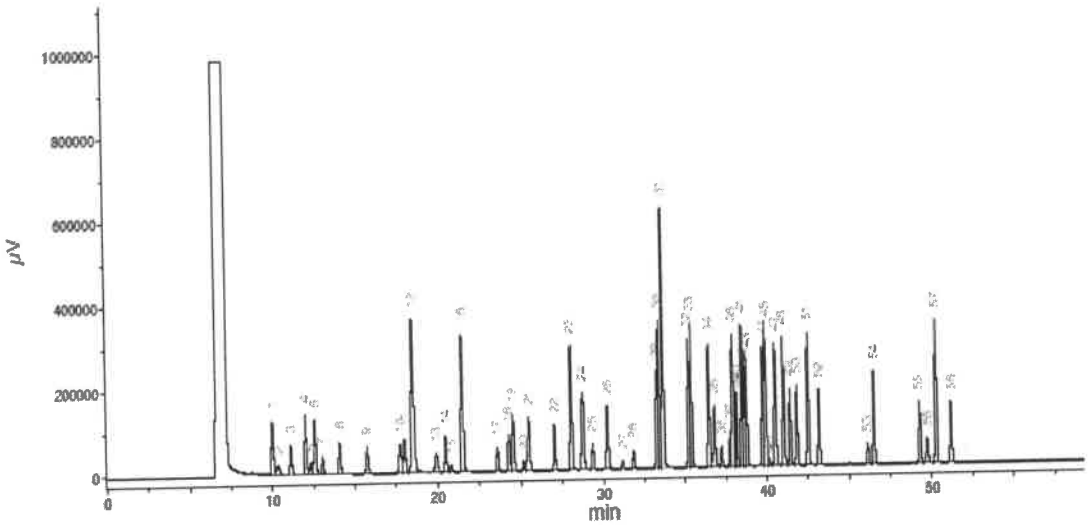
	Compound	(RM#) Part Number	Lot Number	Dil. Factor	Initial Vol. (mL)	Initial Conc.(ug/mL)	Nominal Conc (µg/mL)	Purity (%)	Purity Uncertainty	Uncertainty Pipette (mL)	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1.	Acetonitrile	(0324)	021644	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20020	2001.3	8.1	75-05-8	40 ppm (70mg/m3/8H)	orl-rat 2460mg/kg
2.	Allyl chloride (3-Chloropropene)	(0325)	102396	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20221	2001.4	8.2	107-05-1	1 ppm (3mg/m3/8H)	orl-rat 700mg/kg
3.	Carbon disulphide	(0060)	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	(0466)	MKBP6041V	NA	NA	NA	2000	96.5	0.2	NA	0.20731	0.20748	2001.7	8.4	110-57-6	N/A	N/A
6.	Diethyl ether	(0153)	IK18CAS0000	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20040	2001.5	8.1	60-29-7	N/A	N/A
7.	Ethyl methacrylate	(0381)	06128PX	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20230	2002.3	8.2	97-63-2	N/A	orl-rat 14800mg/kg
8.	Iodomethane	(0489)	SHBF8718V	NA	NA	NA	2000	99.5	0.2	NA	0.20106	0.20121	2001.5	8.2	74-88-4	5 ppm(28mg/m3/8H)(skin)	orl-rat 76mg/kg
9.	2-Methyl-1-propanol	(0445)	15241EB	NA	NA	NA	2000	99.5	0.2	NA	0.20106	0.20120	2001.4	8.1	78-83-1	50 ppm (150mg/m3/8H)	orl-rat 2460mg/kg
10.	Methacrylonitrile	(0442)	00427ET	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20221	2001.4	8.2	126-98-7	1 ppm (3mg/m3/8H)(skin)	orl-rat 120mg/kg
11.	Methyl acrylate	(1075)	SHBK0679	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20040	2001.5	8.1	96-33-3	10 ppm(35mg/m3/8H)(skin)	orl-rat 277mg/kg
12.	Methyl methacrylate	(0404)	MKBW5137V	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20041	2001.6	8.1	80-62-6	100 ppm (410mg/m3/8H)	orl-rat 7872mg/kg
13.	Nitrobenzene	(0228)	01213TV	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20220	2001.3	8.2	98-95-3	1 ppm (5mg/m3/8H)(skin)	orl-rat 780mg/kg
14.	2-Nitropropane	(0461)	14002JX	NA	NA	NA	2000	97.3	0.2	NA	0.20560	0.20577	2001.6	8.3	79-46-9	10 ppm (35mg/m3/8H)	orl-rat 720mg/kg
15.	Pentachloroethane	(0450)	HGA01	NA	NA	NA	2000	98	0.2	NA	0.20413	0.20430	2001.6	8.3	76-01-7	N/A	N/A
16.	1,1,2-Trichlorotrifluoroethane	(0474)	18930	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20225	2001.8	8.2	76-13-1	1000 ppm (7600mg/m3/8H)	orl-rat 43g/kg
17.	Bromodichloromethane	35171	101623	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6	22.9	75-27-4	N/A	orl-rat 916mg/kg
18.	Dibromochloromethane	35171	101623	0.05	5.00	40002.1	2000	NA	NA	0.017	NA	NA	1999.6	23.0	124-48-1	N/A	orl-rat 848mg/kg
19.	cis-1,2-Dichloroethene	35171	101623	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.7	22.9	156-59-2	N/A	N/A
20.	trans-1,2-Dichloroethene	35171	101623	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.6	23.0	156-60-5	N/A	orl-rat 1235mg/kg
21.	Methylene chloride	35171	101623	0.05	5.00	40002.8	2000	NA	NA	0.017	NA	NA	1999.6	22.9	75-09-2	500 ppm	orl-rat 820mg/kg
22.	1,1-Dichloroethene	32251	102023	0.10	10.00	20001.6	2000	NA	NA	0.042	NA	NA	1999.7	20.4	75-35-4	1 ppm (4mg/m3/8H)	orl-rat 200mg/kg
23.	Bromoform	95321	020724	0.10	10.00	20003.2	2000	NA	NA	0.042	NA	NA	1999.8	20.5	75-25-2	0.5 ppm (5mg/m3) (skin)	orl-rat 933mg/kg
24.	Carbon tetrachloride	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.4	56-23-5	2 ppm (12.6mg/m3/8H)	orl-rat 2350mg/kg
25.	Chloroform	95321	020724	0.10	10.00	20024.0	2000	NA	NA	0.042	NA	NA	2001.9	20.5	67-66-3	50 ppm (240mg/m3) (CL)	orl-rat 908mg/kg
26.	Dibromomethane	95321	020724	0.10	10.00	20002.9	2000	NA	NA	0.042	NA	NA	1999.8	20.5	74-95-3	N/A	orl-rat 108mg/kg
27.	1,1-Dichloroethane	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.5	75-34-3	100 ppm	orl-rat 725mg/kg
28.	2,2-Dichloropropane	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.4	594-20-7	N/A	N/A
29.	Tetrachloroethene	95321	020724	0.10	10.00	20201.1	2000	NA	NA	0.042	NA	NA	2019.6	20.8	127-18-4	25 ppm (170mg/m3/8H)(final)	orl-rat 2629mg/kg
30.	1,1,1-Trichloroethane	95321	020724	0.10	10.00	20003.0	2000	NA	NA	0.042	NA	NA	1999.8	20.5	71-55-6	350 ppm (1900mg/m3/8H)	orl-rat 10300mg/kg
31.	1,2-Dibromo-3-chloropropane	35161	112322	0.05	5.00	40016.5	2000	NA	NA	0.017	NA	NA	2000.3	22.9	96-12-8	0.001 ppm	orl-rat 170mg/kg
32.	1,2-Dibromoethane	35161	112322	0.05	5.00	40024.8	2000	NA	NA	0.017	NA	NA	2000.7	22.9	106-93-4	20 ppm (8H)	orl-rat 108mg/kg
33.	1,2-Dichloroethane	35161	112322	0.05	5.00	40018.0	2000	NA	NA	0.017	NA	NA	2000.4	22.9	107-06-2	50 ppm (8H)	orl-rat 670mg/kg
34.	1,2-Dichloropropane	35161	112322	0.05	5.00	40051.0	2000	NA	NA	0.017	NA	NA	2002.0	22.9	78-87-5	75 ppm (350mg/m3/8H)	orl-rat 1947mg/kg
35.	1,3-Dichloropropane	35161	112322	0.05	5.00	40005.9	2000	NA	NA	0.017	NA	NA	1999.8	22.9	142-28-9	N/A	unr-mus 3600mg/kg
36.	1,1-Dichloropropene	35161	112322	0.05	5.00	40012.1	2000	NA	NA	0.017	NA	NA	2000.1	29.7	563-58-6	N/A	N/A
37.	cis-1,3-Dichloropropene	35161	112322	0.05	5.00	40010.0	2000	NA	NA	0.017	NA	NA	2000.0	23.0	10061-01-5	N/A	N/A
38.	trans-1,3-Dichloropropene	35161	112322	0.05	5.00	40017.6	2000	NA	NA	0.017	NA	NA	2000.4	23.0	10061-02-6	N/A	N/A
39.	Hexachloro-1,3-butadiene	35161	112322	0.05	5.00	40021.9	2000	NA	NA	0.017	NA	NA	2000.6	29.7	87-68-3	0.02 ppm (0.24mg/m3/8H)	orl-rat 82mg/kg
40.	1,1,1,2-Tetrachloroethane	35161	112322	0.05	5.00	40011.9	2000	NA	NA	0.017	NA	NA	2000.1	22.9	630-20-6	N/A	orl-rat 670mg/kg
41.	1,1,2,2-Tetrachloroethane	35161	112322	0.05	5.00	40007.5	2000	NA	NA	0.017	NA	NA	1999.9	22.9	79-34-5	5 ppm (35mg/m3/8H)(skin)	orl-rat 800mg/kg
42.	1,1,2-Trichloroethane	35161	112322	0.05	5.00	40006.6	2000	NA	NA	0.017	NA	NA	1999.8	23.0	79-00-5	10 ppm (45mg/m3/8H)(skin)	orl-rat 836mg/kg
43.	Trichloroethene	35161	112322	0.05	5.00	40029.0	2000	NA	NA	0.017	NA	NA	2000.9	22.9	79-01-6	50 ppm (270mg/m3/8H)	orl-mus 2402mg/kg
44.	1,2,3-Trichloropropane	35161	112322	0.05	5.00	40007.5	2000	NA	NA	0.017	NA	NA	1999.9	22.9	96-18-4	10 ppm (60mg/m3/8H)	orl-rat 149.6mg/kg
45.	Benzene	35162	050823	0.05	5.00	40005.0	2000	NA	NA	0.017	NA	NA	1999.7	22.9	71-43-2	1 ppm	orl-rat 4894mg/kg
46.	Bromobenzene	35162	050823	0.05	5.00	40006.9	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-86-1	N/A	orl-rat 2699mg/kg
47.	n-Butyl benzene	35162	050823	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	104-51-8	N/A	N/A
48.	Ethyl benzene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-41-4	100 ppm (435mg/m3/8H)	orl-rat >2000mg/kg
49.	p-Isopropyl toluene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	99-87-6	N/A	orl-rat 4750mg/kg
50.	Naphthalene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	91-20-3	10 ppm (50mg/m3/8H)	orl-rat 490mg/kg
51.	Styrene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-42-5	100 ppm	orl-rat 5000mg/kg
52.	Toluene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-88-3	200 ppm	orl-rat 5000mg/kg
53.	1,2,3-Trichlorobenzene	35162	050823	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.7	22.9	87-61-6	N/A	ipr-mus 1390mg/kg
54.	1,2,4-Trichlorobenzene	35162	050823	0.05	5.00	40006.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	120-82-1	5 ppm (CL) (40mg/m3)	orl-rat 756mg/kg
55.	1,2,4-Trimethylbenzene	35162	050823	0.05	5.00	40001.6	2000	NA	NA	0.017	NA	NA	1999.6	23.0	95-63-6	N/A	orl-rat 5g/kg
56.	1,3,5-Trimethylbenzene	35162	050823	0.05	5.00	40006.7	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-67-8	N/A	orl-rat 5000mg/kg
57.	m-Xylene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-38-3	100 ppm (435mg/m3/8H)	orl-rat 5g/kg
58.	tert-Butyl benzene	35163	101923	0.05	5.00	40001.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	98-06-6	N/A	N/A
59.	sec-Butyl benzene	35163	101923	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.8	22.9	135-98-8	N/A	orl-rat 2240mg/kg
60.	Chlorobenzene	35163	101923	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	108-90-7	75 ppm (350mg/m3/8H)	orl-rat 2290mg/kg
61.	2-Chlorotoluene	35163	101923	0.05	5.00	40000.3	2000	NA	NA	0.017	NA	NA	1999.5	22.9	95-49-8	50 ppm (250mg/m3/8H)	orl-rat 3900mg/kg
62.	4-Chlorotoluene	35163	101923	0.05	5.00	40003.3	2000	NA	NA	0.017	NA	NA	1999.7	22.9	106-43-4	N/A	orl-rat 2100mg/kg
63.	1,2-Dichlorobenzene	35163	101923	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	95-50-1	50 ppm (300mg/m3) (CL)	orl-rat 500mg/kg
64.	1,3-Dichlorobenzene	35163	101923	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6	23.0	541-73-1	N/A	ipr-mus 1062mg/kg
65.	1,4-Dichlorobenzene	35163	101923	0.05	5.00	40001.8	2000	NA	NA	0.017	NA	NA	1999.6	22.9	106-46-7	75 ppm (450mg/m3/8H)	orl-rat 500mg/kg
66.	Isopropylbenzene	35163	101923	0.05	5.00	40000.8	2000	NA	NA	0.017	NA	NA	1999.5	22.9	98-82-8	50 ppm (245mg/m3/8H)	orl-rat 1400mg/kg
67.	n-Propylbenzene	35163	101923	0.05	5.00	40003.4	2000	NA	NA	0.017	NA	NA	1999.7	23.0	103-65-1	N/A	orl-rat 8040mg/kg
68.	o-Xylene	35163	101923	0.05	5.00	40040.8	2000	NA	NA	0.017	NA	NA	2001.5	23.0	95-47-6	100 ppm (435mg/m3/8H)	ipr-mus 1364mg/kg
69.	p-Xylene	35163	101923	0.05	5.00	40000.8	2000	NA	NA	0.017	NA	NA	1999.5	22.9	106-42-3	100 ppm (435mg/m3/8H)	orl-rat 5g/kg

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Run 16, "P95317 L021624 (2000µg/mL in MeOH)"

Run Length: 60.00 min, 35998 points at 10 points/second.
Created: Sat, Feb 17, 2024 at 8:56:46 AM.
Sampled: Sequence "021624-GC5M1", Method "GC5-M1".
Analyzed using Method "GC5-M1".

Comments
GC5-M1 Analysis by Candice Warren
Column ID SPB-Vocol 105 meter X 0.53mm X 3.0µm film thickness
Flow rates: Total flow=290mL/min., Helium (carrier)=10mL/min.,
Helium(make-up)=10mL/min., Hydogen(make-up)=40mL/min., Air(make-up)=230mL/min.
Oven Profile: Temp. 1=35°C (Time 1=10 min.), Temp 2=200°C (Time 2=8.75 min.),
Rate = 4°C/min., Total run time=60 min. Injector temp.=200°C, FID Temp.=200°C.
FID Signal = Edaq Channel 1
Standard injection = 0.5µL, Range=3



Peak #	Name	FID RT (min.)
1	Ether	9.97
2	1,1,2-Trichloro-1,2,3-trifluoroethane	10.33
3	1,1-Dichloroethene	11.10
4	Acetonitrile	12.00
5	Iodomethane	12.31
6	Allyl chloride	12.56
7	Carbon disulfide/Methylene chloride	13.04
8	trans-1,2-Dichloroethene	14.07
9	1,1-Dichloroethane	15.74
10	2,2-Dichloropropane	17.74
11	cis-1,2-Dichloroethene	18.00
12	Methacrylonitrile/Methyl acrylate/Chloroform	18.49
13	Isobutanol/1,1,1-Trichloroethane	18.91
14	1,1-Dichloropropene	19.46
15	Carbon tetrachloride	20.79
16	Benzene/1,2-Dichloroethane	21.48
17	Trichloroethene	23.86
18	1,2-Dichloropropane	24.26
19	Methyl methacrylate	24.62
20	Bromodichloromethane	25.13
21	Dibromomethane/2-Nitropropane	25.46
22	cis-1,3-Dichloropropene	27.07
23	Toluene	28.09
24	Ethyl methacrylate/trans-1,3-Dichloropropene	28.73
25	1,1,2-Trichloroethane	29.34
26	Tetrachloroethene/1,3-Dichloropropane	30.34
27	Dibromochloromethane	31.16
28	1,2-Dibromoethane	31.84
29	Chlorobenzene	33.26
30	Ethylbenzene/1,1,1,2-Tetrachloroethane	33.40
31	m-Xylene/p-Xylene	33.85
32	o-Xylene	35.33
33	Styrene	35.50
34	Isopropylbenzene/Bromoform	35.48
35	cis-1,4-Dichloro-2-butene	36.80
36	1,1,2,2-Tetrachloroethane	37.23
37	1,2,3-Trichloropropane	37.77
38	n-Propylbenzene	37.92
39	trans-1,4-Dichloro-2-butene	38.05
40	Bromobenzene	38.14
41	1,3,5-Trimethylbenzene	38.50
42	2-Chlorotoluene	38.62
43	4-Chlorotoluene	38.77
44	tert-Butylbenzene	39.76
45	1,2,4-Trimethylbenzene	39.91
46	Pentachloroethane	40.17
47	sec-Butylbenzene	40.52
48	p-Isopropyltoluene	41.02
49	1,3-Dichlorobenzene	41.42
50	1,4-Dichlorobenzene	41.63
51	n-Butylbenzene	42.82
52	1,2-Dichlorobenzene	43.18
53	1,2-Dibromo-3-chloropropane	46.12
54	Nitrobenzene	46.58
55	1,2,4-Trichlorobenzene	49.26
56	Hexachlorobutadiene	49.72
57	Naphthalene	50.26
58	1,2,3-Trichlorobenzene	51.16

Absolute Standards Inc.

PO Box 5585
Hamden, CT 06518-0585

Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International	**1-352-323-3500**
		Date Prepared/Revised	January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225	**Highly Flammable Liquid and Vapor**	**H301, 311, 331**	**Toxic if swallowed, skin contact, inhaled**
H370	**Cause damage to organs**	**H351**	**Suspected of causing cancer**
P271	**Use in ventilated area**	**P280**	**Use gloves, eye protection/face sheild**
P302,332	**If on skin, wash with soap and water**	**P305,351,338**	**If in eyes, remove contacts, rinse with water**



Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))			% (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.
Storage Conditions	Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H2O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6

Solubility in Water COMPLETE

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability Stable under recommended storage conditions.
Possibility of hazardous reactions Vapours may form explosive mixture with air.
Conditions to avoid Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions. - Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50	15,400 mg/l - 96 h
EC50	24,500.00 mg/l - 48 h
EC100	10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

Rec 09/17/24

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 95317
Lot Number: 021624
Description: Universal VOA Megamix
69 components
Expiration Date: 021627
Recommended Storage: Freezer (0 °C)
Nominal Concentration (µg/mL): 2000
NIST Test ID#: 6UTB

Solvent(s): Lot#
Methanol EG359-USQ12

Weight(s) shown below were combined and diluted to (mL): 100.0 0.021 Flask Uncertainty

5E-05 Balance Uncertainty

Formulated By: Prashant Chauhan 021624 DATE

Reviewed By: Pedro L. Rentas 021624 DATE

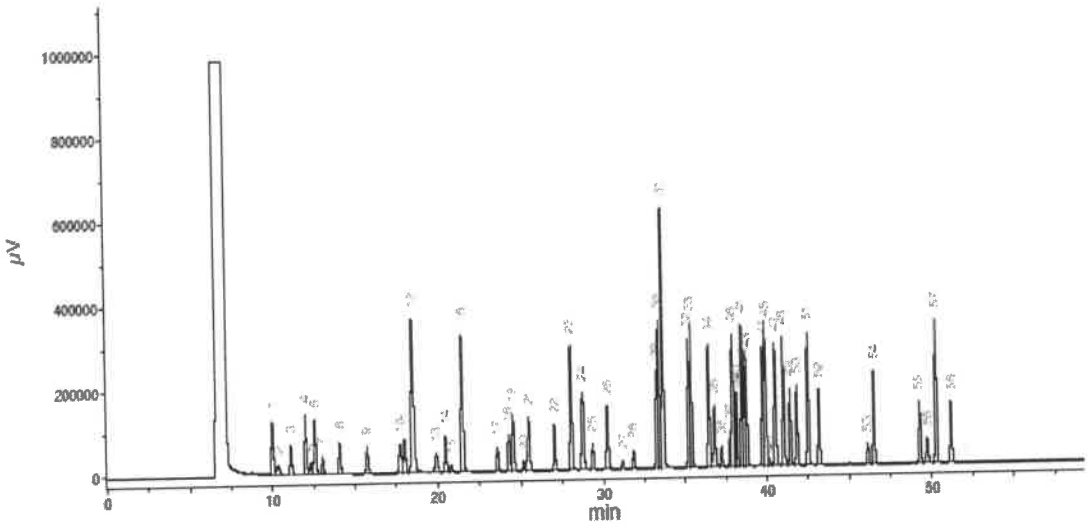
	Compound	(RM#) Part Number	Lot Number	Dil. Factor	Initial Vol. (mL)	Initial Conc.(ug/mL)	Nominal Conc (µg/mL)	Purity (%)	Purity Uncertainty	Uncertainty Pipette (mL)	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1.	Acetonitrile	(0324)	021644	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20020	2001.3	8.1	75-05-8	40 ppm (70mg/m3/8H)	orl-rat 2460mg/kg
2.	Allyl chloride (3-Chloropropene)	(0325)	102396	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20221	2001.4	8.2	107-05-1	1 ppm (3mg/m3/8H)	orl-rat 700mg/kg
3.	Carbon disulphide	(0060)	MKCR6561	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20023	2001.6	8.1	75-15-0	4 ppm (12mg/m3) (skin)	orl-rat 1200mg/kg
4.	cis-1,4-Dichloro-2-butene	(1196)	14718EF	NA	NA	NA	2000	95	0.2	NA	0.21058	0.21069	2001.1	8.5	1476-11-5	N/A	N/A
5.	trans-1,4-Dichloro-2-butene	(0466)	MKBP6041V	NA	NA	NA	2000	96.5	0.2	NA	0.20731	0.20748	2001.7	8.4	110-57-6	N/A	N/A
6.	Diethyl ether	(0153)	IK18CAS0000	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20040	2001.5	8.1	60-29-7	N/A	N/A
7.	Ethyl methacrylate	(0381)	06128PX	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20230	2002.3	8.2	97-63-2	N/A	orl-rat 14800mg/kg
8.	Iodomethane	(0489)	SHBF8718V	NA	NA	NA	2000	99.5	0.2	NA	0.20106	0.20121	2001.5	8.2	74-88-4	5 ppm(28mg/m3/8H)(skin)	orl-rat 76mg/kg
9.	2-Methyl-1-propanol	(0445)	15241EB	NA	NA	NA	2000	99.5	0.2	NA	0.20106	0.20120	2001.4	8.1	78-83-1	50 ppm (150mg/m3/8H)	orl-rat 2460mg/kg
10.	Methacrylonitrile	(0442)	00427ET	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20221	2001.4	8.2	126-98-7	1 ppm (3mg/m3/8H)(skin)	orl-rat 120mg/kg
11.	Methyl acrylate	(1075)	SHBK0679	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20040	2001.5	8.1	96-33-3	10 ppm(35mg/m3/8H)(skin)	orl-rat 277mg/kg
12.	Methyl methacrylate	(0404)	MKBW5137V	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20041	2001.6	8.1	80-62-6	100 ppm (410mg/m3/8H)	orl-rat 7872mg/kg
13.	Nitrobenzene	(0228)	01213TV	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20220	2001.3	8.2	98-95-3	1 ppm (5mg/m3/8H)(skin)	orl-rat 780mg/kg
14.	2-Nitropropane	(0461)	14002JX	NA	NA	NA	2000	97.3	0.2	NA	0.20560	0.20577	2001.6	8.3	79-46-9	10 ppm (35mg/m3/8H)	orl-rat 720mg/kg
15.	Pentachloroethane	(0450)	HGA01	NA	NA	NA	2000	98	0.2	NA	0.20413	0.20430	2001.6	8.3	76-01-7	N/A	N/A
16.	1,1,2-Trichlorotrifluoroethane	(0474)	18930	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20225	2001.8	8.2	76-13-1	1000 ppm (7600mg/m3/8H)	orl-rat 43g/kg
17.	Bromodichloromethane	35171	101623	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6	22.9	75-27-4	N/A	orl-rat 916mg/kg
18.	Dibromochloromethane	35171	101623	0.05	5.00	40002.1	2000	NA	NA	0.017	NA	NA	1999.6	23.0	124-48-1	N/A	orl-rat 848mg/kg
19.	cis-1,2-Dichloroethene	35171	101623	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.7	22.9	156-59-2	N/A	N/A
20.	trans-1,2-Dichloroethene	35171	101623	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.6	23.0	156-60-5	N/A	orl-rat 1235mg/kg
21.	Methylene chloride	35171	101623	0.05	5.00	40002.8	2000	NA	NA	0.017	NA	NA	1999.6	22.9	75-09-2	500 ppm	orl-rat 820mg/kg
22.	1,1-Dichloroethene	32251	102023	0.10	10.00	20001.6	2000	NA	NA	0.042	NA	NA	1999.7	20.4	75-35-4	1 ppm (4mg/m3/8H)	orl-rat 200mg/kg
23.	Bromoform	95321	020724	0.10	10.00	20003.2	2000	NA	NA	0.042	NA	NA	1999.8	20.5	75-25-2	0.5 ppm (5mg/m3) (skin)	orl-rat 933mg/kg
24.	Carbon tetrachloride	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.4	56-23-5	2 ppm (12.6mg/m3/8H)	orl-rat 2350mg/kg
25.	Chloroform	95321	020724	0.10	10.00	20024.0	2000	NA	NA	0.042	NA	NA	2001.9	20.5	67-66-3	50 ppm (240mg/m3) (CL)	orl-rat 908mg/kg
26.	Dibromomethane	95321	020724	0.10	10.00	20002.9	2000	NA	NA	0.042	NA	NA	1999.8	20.5	74-95-3	N/A	orl-rat 108mg/kg
27.	1,1-Dichloroethane	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.5	75-34-3	100 ppm	orl-rat 725mg/kg
28.	2,2-Dichloropropane	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.4	594-20-7	N/A	N/A
29.	Tetrachloroethene	95321	020724	0.10	10.00	20201.1	2000	NA	NA	0.042	NA	NA	2019.6	20.8	127-18-4	25 ppm (170mg/m3/8H)(final)	orl-rat 2629mg/kg
30.	1,1,1-Trichloroethane	95321	020724	0.10	10.00	20003.0	2000	NA	NA	0.042	NA	NA	1999.8	20.5	71-55-6	350 ppm (1900mg/m3/8H)	orl-rat 10300mg/kg
31.	1,2-Dibromo-3-chloropropane	35161	112322	0.05	5.00	40016.5	2000	NA	NA	0.017	NA	NA	2000.3	22.9	96-12-8	0.001 ppm	orl-rat 170mg/kg
32.	1,2-Dibromoethane	35161	112322	0.05	5.00	40024.8	2000	NA	NA	0.017	NA	NA	2000.7	22.9	106-93-4	20 ppm (8H)	orl-rat 108mg/kg
33.	1,2-Dichloroethane	35161	112322	0.05	5.00	40018.0	2000	NA	NA	0.017	NA	NA	2000.4	22.9	107-06-2	50 ppm (8H)	orl-rat 670mg/kg
34.	1,2-Dichloropropane	35161	112322	0.05	5.00	40051.0	2000	NA	NA	0.017	NA	NA	2002.0	22.9	78-87-5	75 ppm (350mg/m3/8H)	orl-rat 1947mg/kg
35.	1,3-Dichloropropane	35161	112322	0.05	5.00	40005.9	2000	NA	NA	0.017	NA	NA	1999.8	22.9	142-28-9	N/A	unr-mus 3600mg/kg
36.	1,1-Dichloropropene	35161	112322	0.05	5.00	40012.1	2000	NA	NA	0.017	NA	NA	2000.1	29.7	563-58-6	N/A	N/A
37.	cis-1,3-Dichloropropene	35161	112322	0.05	5.00	40010.0	2000	NA	NA	0.017	NA	NA	2000.0	23.0	10061-01-5	N/A	N/A
38.	trans-1,3-Dichloropropene	35161	112322	0.05	5.00	40017.6	2000	NA	NA	0.017	NA	NA	2000.4	23.0	10061-02-6	N/A	N/A
39.	Hexachloro-1,3-butadiene	35161	112322	0.05	5.00	40021.9	2000	NA	NA	0.017	NA	NA	2000.6	29.7	87-68-3	0.02 ppm (0.24mg/m3/8H)	orl-rat 82mg/kg
40.	1,1,1,2-Tetrachloroethane	35161	112322	0.05	5.00	40011.9	2000	NA	NA	0.017	NA	NA	2000.1	22.9	630-20-6	N/A	orl-rat 670mg/kg
41.	1,1,2,2-Tetrachloroethane	35161	112322	0.05	5.00	40007.5	2000	NA	NA	0.017	NA	NA	1999.9	22.9	79-34-5	5 ppm (35mg/m3/8H)(skin)	orl-rat 800mg/kg
42.	1,1,2-Trichloroethane	35161	112322	0.05	5.00	40006.6	2000	NA	NA	0.017	NA	NA	1999.8	23.0	79-00-5	10 ppm (45mg/m3/8H)(skin)	orl-rat 836mg/kg
43.	Trichloroethene	35161	112322	0.05	5.00	40029.0	2000	NA	NA	0.017	NA	NA	2000.9	22.9	79-01-6	50 ppm (270mg/m3/8H)	orl-mus 2402mg/kg
44.	1,2,3-Trichloropropane	35161	112322	0.05	5.00	40007.5	2000	NA	NA	0.017	NA	NA	1999.9	22.9	96-18-4	10 ppm (60mg/m3/8H)	orl-rat 149.6mg/kg
45.	Benzene	35162	050823	0.05	5.00	40005.0	2000	NA	NA	0.017	NA	NA	1999.7	22.9	71-43-2	1 ppm	orl-rat 4894mg/kg
46.	Bromobenzene	35162	050823	0.05	5.00	40006.9	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-86-1	N/A	orl-rat 2699mg/kg
47.	n-Butyl benzene	35162	050823	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	104-51-8	N/A	N/A
48.	Ethyl benzene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-41-4	100 ppm (435mg/m3/8H)	orl-rat >2000mg/kg
49.	p-Isopropyl toluene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	99-87-6	N/A	orl-rat 4750mg/kg
50.	Naphthalene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	91-20-3	10 ppm (50mg/m3/8H)	orl-rat 490mg/kg
51.	Styrene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-42-5	100 ppm	orl-rat 5000mg/kg
52.	Toluene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-88-3	200 ppm	orl-rat 5000mg/kg
53.	1,2,3-Trichlorobenzene	35162	050823	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.7	22.9	87-61-6	N/A	ipr-mus 1390mg/kg
54.	1,2,4-Trichlorobenzene	35162	050823	0.05	5.00	40006.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	120-82-1	5 ppm (CL) (40mg/m3)	orl-rat 756mg/kg
55.	1,2,4-Trimethylbenzene	35162	050823	0.05	5.00	40001.6	2000	NA	NA	0.017	NA	NA	1999.6	23.0	95-63-6	N/A	orl-rat 5g/kg
56.	1,3,5-Trimethylbenzene	35162	050823	0.05	5.00	40006.7	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-67-8	N/A	orl-rat 5000mg/kg
57.	m-Xylene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-38-3	100 ppm (435mg/m3/8H)	orl-rat 5g/kg
58.	tert-Butyl benzene	35163	101923	0.05	5.00	40001.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	98-06-6	N/A	N/A
59.	sec-Butyl benzene	35163	101923	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.8	22.9	135-98-8	N/A	orl-rat 2240mg/kg
60.	Chlorobenzene	35163	101923	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	108-90-7	75 ppm (350mg/m3/8H)	orl-rat 2290mg/kg
61.	2-Chlorotoluene	35163	101923	0.05	5.00	40000.3	2000	NA	NA	0.017	NA	NA	1999.5	22.9	95-49-8	50 ppm (250mg/m3/8H)	orl-rat 3900mg/kg
62.	4-Chlorotoluene	35163	101923	0.05	5.00	40003.3	2000	NA	NA	0.017	NA	NA	1999.7	22.9	106-43-4	N/A	orl-rat 2100mg/kg
63.	1,2-Dichlorobenzene	35163	101923	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	95-50-1	50 ppm (300mg/m3) (CL)	orl-rat 500mg/kg
64.	1,3-Dichlorobenzene	35163	101923	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6	23.0	541-73-1	N/A	ipr-mus 1062mg/kg
65.	1,4-Dichlorobenzene	35163	101923	0.05	5.00	40001.8	2000	NA	NA	0.017	NA	NA	1999.6	22.9	106-46-7	75 ppm (450mg/m3/8H)	orl-rat 500mg/kg
66.	Isopropylbenzene	35163	101923	0.05	5.00	40000.8	2000	NA	NA	0.017	NA	NA	1999.5	22.9	98-82-8	50 ppm (245mg/m3/8H)	orl-rat 1400mg/kg
67.	n-Propylbenzene	35163	101923	0.05	5.00	40003.4	2000	NA	NA	0.017	NA	NA	1999.7	23.0	103-65-1	N/A	orl-rat 8040mg/kg
68.	o-Xylene	35163	101923	0.05	5.00	40040.8	2000	NA	NA	0.017	NA	NA	2001.5	23.0	95-47-6	100 ppm (435mg/m3/8H)	ipr-mus 1364mg/kg
69.	p-Xylene	35163	101923	0.05	5.00	40000.8	2000	NA	NA	0.017	NA	NA	1999.5	22.9	106-42-3	100 ppm (435mg/m3/8H)	orl-rat 5g/kg

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Run 16, "P95317 L021624 (2000µg/mL in MeOH)"

Run Length: 60.00 min, 35998 points at 10 points/second.
Created: Sat, Feb 17, 2024 at 8:56:46 AM.
Sampled: Sequence "021624-GC5M1", Method "GC5-M1".
Analyzed using Method "GC5-M1".

Comments
GC5-M1 Analysis by Candice Warren
Column ID SPB-Vocol 105 meter X 0.53mm X 3.0µm film thickness
Flow rates: Total flow=290mL/min., Helium (carrier)=10mL/min.,
Helium(make-up)=10mL/min., Hydogen(make-up)=40mL/min., Air(make-up)=230mL/min.
Oven Profile: Temp. 1=35°C (Time 1=10 min.), Temp 2=200°C (Time 2=8.75 min.),
Rate = 4°C/min., Total run time=60 min. Injector temp.=200°C, FID Temp.=200°C.
FID Signal = Edaq Channel 1
Standard injection = 0.5µL, Range=3



Peak #	Name	FID RT (min.)
1	Ether	9.97
2	1,1,2-Trichloro-1,2,3-trifluoroethane	10.33
3	1,1-Dichloroethene	11.10
4	Acetonitrile	12.00
5	Iodomethane	12.31
6	Allyl chloride	12.56
7	Carbon disulfide/Methylene chloride	13.04
8	trans-1,2-Dichloroethene	14.07
9	1,1-Dichloroethane	15.74
10	2,2-Dichloropropane	17.74
11	cis-1,2-Dichloroethene	18.00
12	Methacrylonitrile/Methyl acrylate/Chloroform	18.49
13	Isobutanol/1,1,1-Trichloroethane	18.91
14	1,1-Dichloropropene	19.46
15	Carbon tetrachloride	20.79
16	Benzene/1,2-Dichloroethane	21.48
17	Trichloroethene	23.86
18	1,2-Dichloropropane	24.26
19	Methyl methacrylate	24.62
20	Bromodichloromethane	25.13
21	Dibromomethane/2-Nitropropane	25.46
22	cis-1,3-Dichloropropene	27.02
23	Toluene	28.09
24	Ethyl methacrylate/trans-1,3-Dichloropropene	28.73
25	1,1,2-Trichloroethane	29.34
26	Tetrachloroethene/1,3-Dichloropropane	30.34
27	Dibromochloromethane	31.16
28	1,2-Dibromoethane	31.84
29	Chlorobenzene	33.26
30	Ethylbenzene/1,1,1,2-Tetrachloroethane	33.40
31	m-Xylene/p-Xylene	33.85
32	o-Xylene	35.33
33	Styrene	35.39
34	Isopropylbenzene/Bromoform	35.48
35	cis-1,4-Dichloro-2-butene	36.80
36	1,1,2,2-Tetrachloroethane	37.23
37	1,2,3-Trichloropropane	37.77
38	n-Propylbenzene	37.92
39	trans-1,4-Dichloro-2-butene	38.05
40	Bromobenzene	38.14
41	1,3,5-Trimethylbenzene	38.50
42	2-Chlorotoluene	38.62
43	4-Chlorotoluene	38.77
44	tert-Butylbenzene	39.76
45	1,2,4-Trimethylbenzene	39.91
46	Pentachloroethane	40.17
47	sec-Butylbenzene	40.52
48	p-Isopropyltoluene	41.02
49	1,3-Dichlorobenzene	41.42
50	1,4-Dichlorobenzene	41.63
51	n-Butylbenzene	42.02
52	1,2-Dichlorobenzene	42.18
53	1,2-Dibromo-3-chloropropane	46.12
54	Nitrobenzene	46.58
55	1,2,4-Trichlorobenzene	49.26
56	Hexachlorobutadiene	49.72
57	Naphthalene	50.26
58	1,2,3-Trichlorobenzene	51.16

Absolute Standards Inc.

PO Box 5585
Hamden, CT 06518-0585

Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr.	Emergency Telephone International	**1-352-323-3500**
	Hamden CT, 06514	Date Prepared/Revised	January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225	**Highly Flammable Liquid and Vapor**	**H301, 311, 331**	**Toxic if swallowed, skin contact, inhaled**
H370	**Cause damage to organs**	**H351**	**Suspected of causing cancer**
P271	**Use in ventilated area**	**P280**	**Use gloves, eye protection/face sheild**
P302,332	**If on skin, wash with soap and water**	**P305,351,338**	**If in eyes, remove contacts, rinse with water**



Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))			
Methanol	METHYL ALCOHOL	CAS#: 67-56-1	% (optional) > 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.
Storage Conditions	Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - Physical/Chemical Characteristics

Absolute Standards Inc.

PO Box 5585
Hamden, CT 06518-0585

Phone: 203-281-2917
FAX: 203-281-2922

Boiling Point	65°C	Specific Gravity (H2O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6

Solubility in Water COMPLETE

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability — Stable under recommended storage conditions.
Possibility of hazardous reactions — Vapours may form explosive mixture with air.
Conditions to avoid — Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid — Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions. - Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50	15,400 mg/l - 96 h
EC50	24,500.00 mg/l - 48 h
EC100	10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

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

Expiration Date: 101424
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

Solvent(s): **Lot#**
Water 072324Q

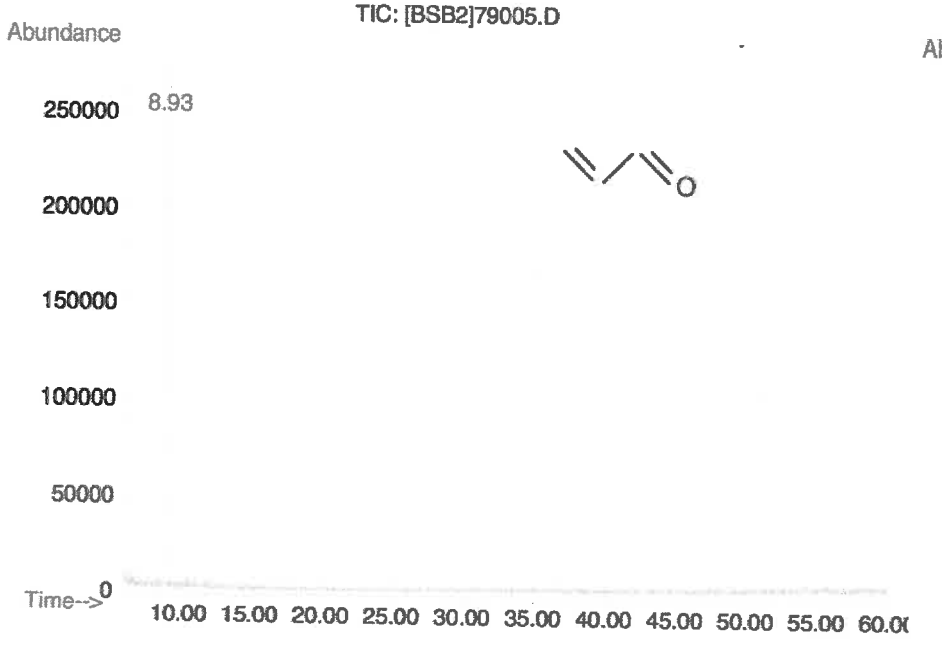
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 10.0 0.001 Flask Uncertainty

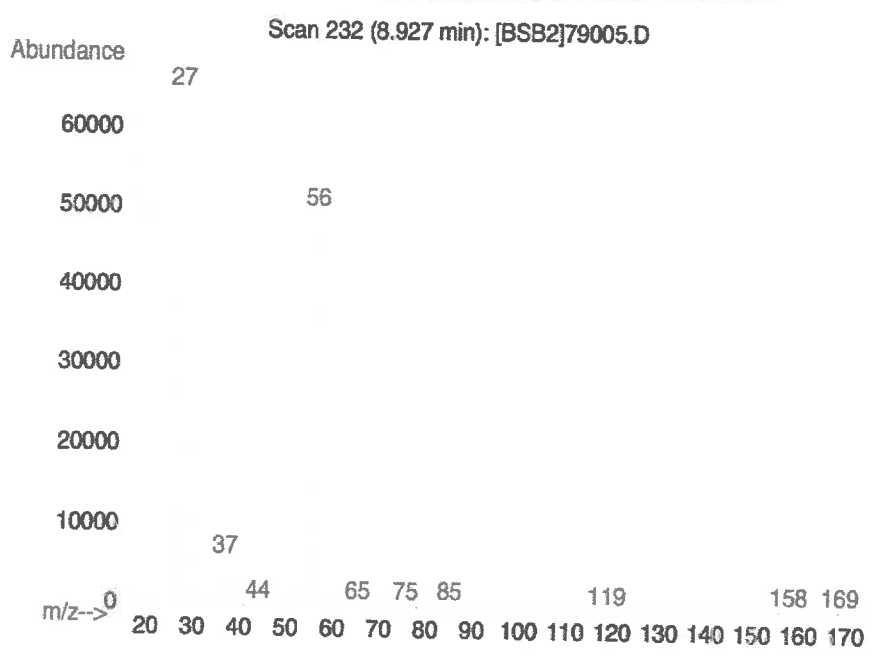
Justin Dippold 091424
Formulated By: Justin Dippold DATE

Pedro Rentas 091424
Reviewed By: Pedro L. Rentas DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Acrolein	5	103755V10F	5000	97	0.5	0.05166	0.05175	5008.9	52.5	107-02-8	0.1 ppm	orl-rat 46mg/kg

Method: GC6MSD-1. **Detector:** Mass Selective Detector (Scan mode). **Column:** Vocol (60m X 0.25mm ID X 1.5µm film thickness). **Oven Profile:** Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.), Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. **Analyst:** Pedro Rentas. **NOTE:** Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately Long term storage is not recommended. Please contact our technical department if further information is required.





- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

Rec 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

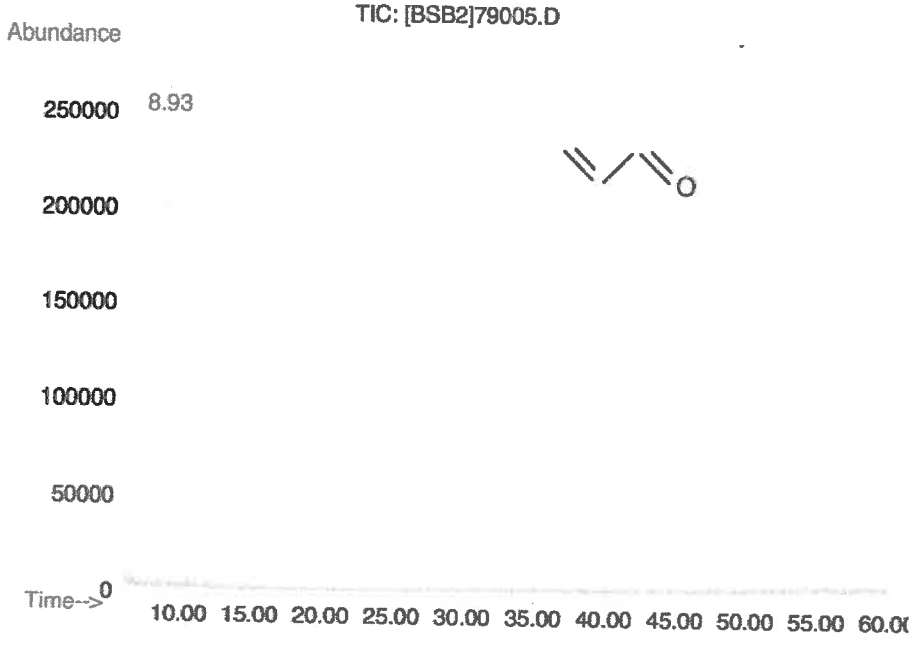
Expiration Date: 101424
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

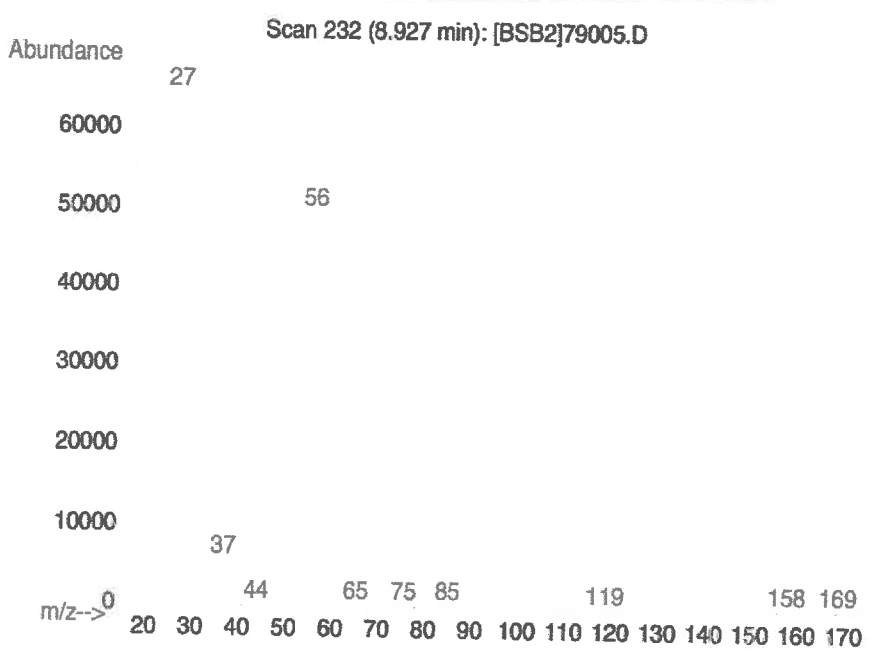
Weight(s) shown below were combined and diluted to (mL): 10.0 | 5E-05 Balance Uncertainty | 0.001 Flask Uncertainty

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.
800-368-1131
www.absolutestandards.com

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

Solvent(s): Methanol **Lot#** EJ143-US

Expiration Date: 120527
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 10000
NIST Test ID#: 6UTB

5E-05 Balance Uncertainty
0.001 Flask Uncertainty

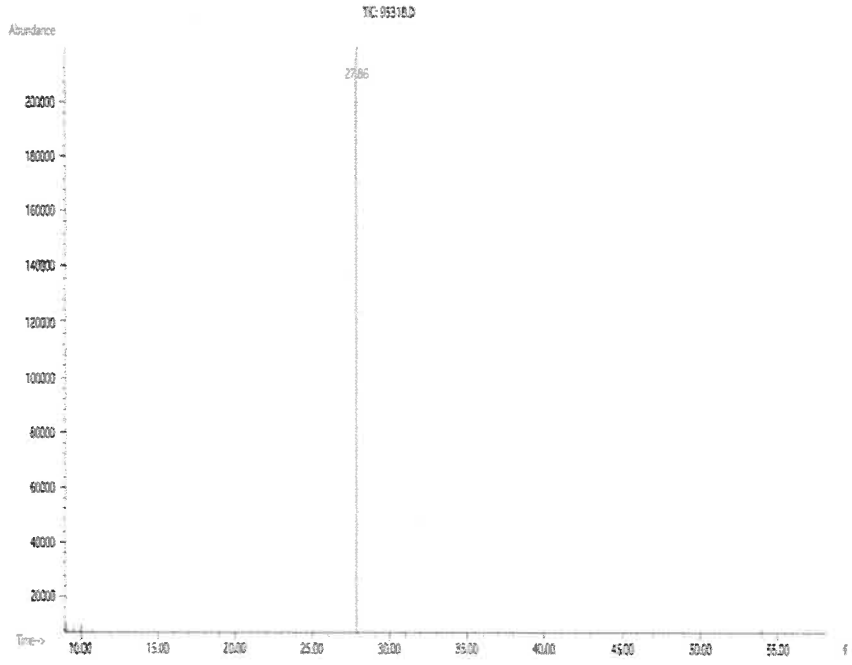
Weight(s) shown below were combined and diluted to (mL): 50.0

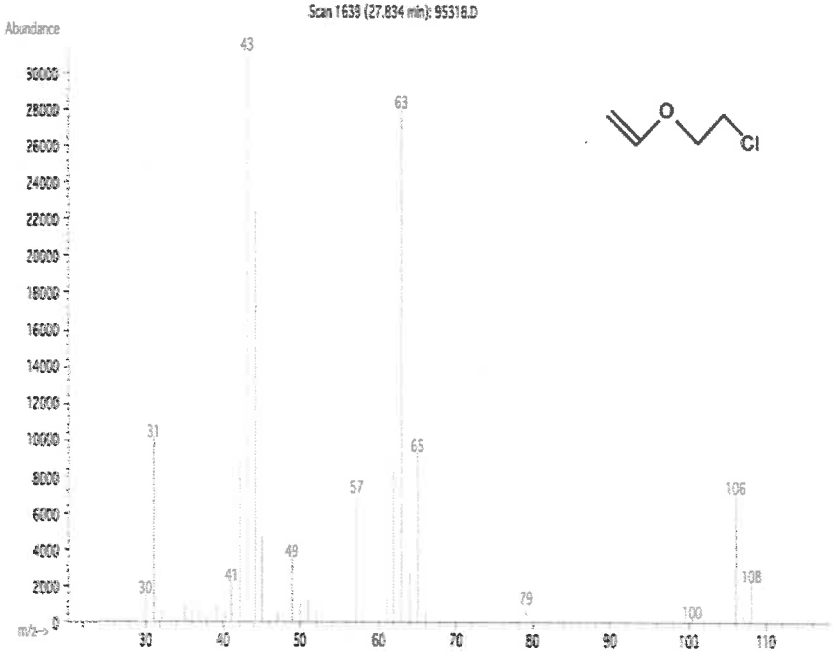
Prashant Chauhan 120524
Formulated By: Prashant Chauhan DATE

Pedro Rentas 120524
Reviewed By: Pedro L. Rentas DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc(µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. 2-Chloroethyl vinyl ether	74	MKCD0033	10000	99	0.2	0.50536	0.50550	10002.9	40.5	110-75-8	N/A	ori-rat 250mg/kg

Method: GC6MSD-1.M. **Detector:** MSD. **Column:** (60m X 0.25mm X 1.5 µm). **Oven Profile:** Temp 1 = 35°C (Time 1=10min.), Temp 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min., Injector B Temp.= 200°C, Detector B Temp. = 220°C. **Analyst:** Candice Warren.





- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Absolute Standards Inc.
PO Box 5585
Hamden, CT 06518-0585
Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International Date Prepared/Revised	**1-352-323-3500** January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225	**Highly Flammable Liquid and Vapor**	**H301, 311, 331**	**Toxic if swallowed, skin contact, inhaled**
H370	**Cause damage to organs**	**H351**	**Suspected of causing cancer**
P271	**Use in ventilated area**	**P280**	**Use gloves, eye protection/face sheild**
P302,332	**If on skin, wash with soap and water**	**P305,351,338**	**If in eyes, remove contacts, rinse with water**



Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))			% (optional)
Methanol	METHYL ALCOHOL	CAS#: 67-56-1	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H2O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6

Solubility in Water COMPLETE

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability Stable under recommended storage conditions.
Possibility of hazardous reactions Vapours may form explosive mixture with air.
Conditions to avoid Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions. - Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50	15,400 mg/l - 96 h
EC50	24,500.00 mg/l - 48 h
EC100	10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

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

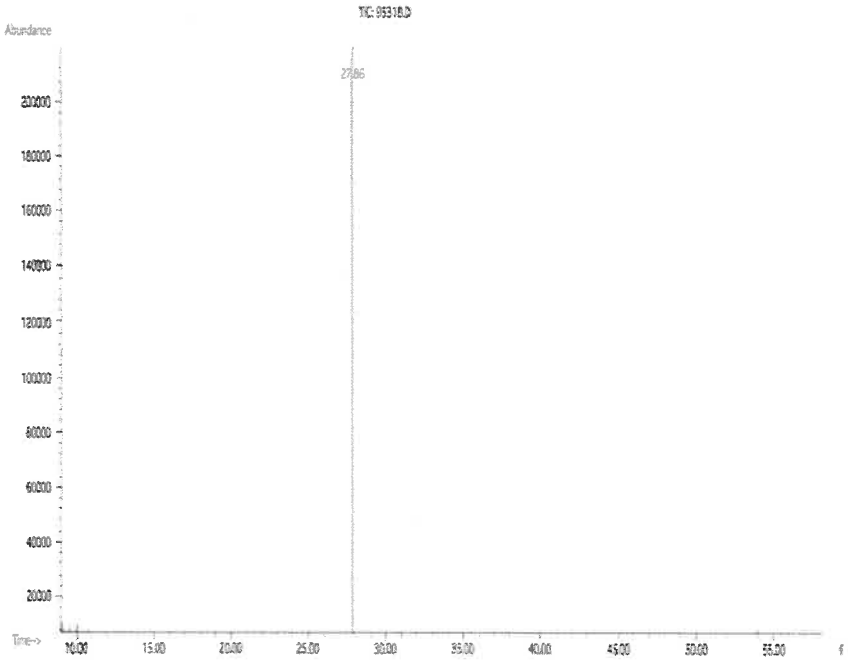
5E-05 Balance Uncertainty
0.001 Flask Uncertainty

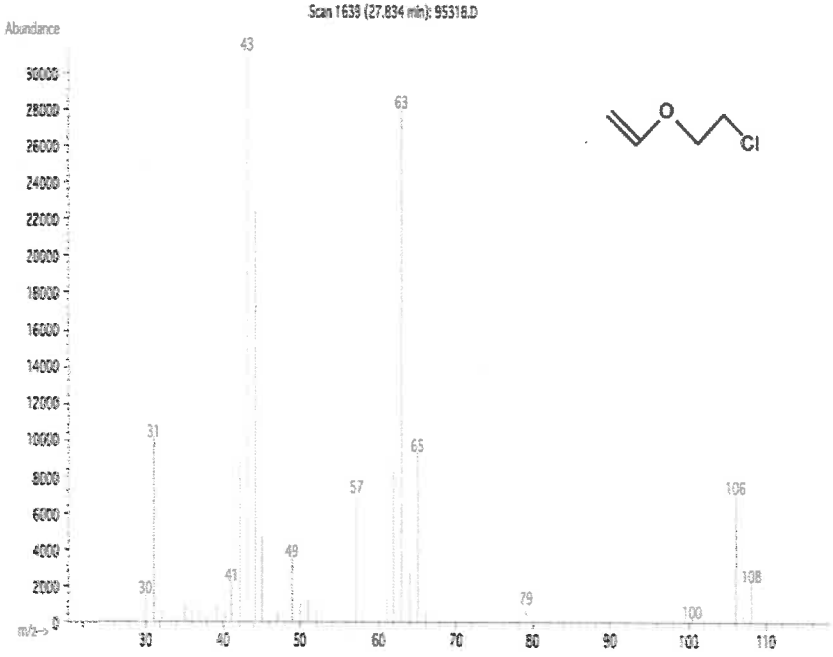
Weight(s) shown below were combined and diluted to (mL): 50.0

Prashant Chauhan		120524
Formulated By:	Prashant Chauhan	DATE
Pedro Rentas		120524
Reviewed By:	Pedro L. Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc(µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. 2-Chloroethyl vinyl ether	74	MKCD0033	10000	99	0.2	0.50536	0.50550	10002.9	40.5	110-75-8	N/A	ori-rat 250mg/kg

Method: GC6MSD-1.M. **Detector:** MSD. **Column:** (60m X 0.25mm X 1.5 µm). **Oven Profile:** Temp 1 = 35°C (Time 1=10min.), Temp 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min., Injector B Temp.= 200°C, Detector B Temp. = 220°C. **Analyst:** Candice Warren.





- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Absolute Standards Inc.
PO Box 5585
Hamden, CT 06518-0585
Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International Date Prepared/Revised	**1-352-323-3500** January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225	**Highly Flammable Liquid and Vapor**	**H301, 311, 331**	**Toxic if swallowed, skin contact, inhaled**
H370	**Cause damage to organs**	**H351**	**Suspected of causing cancer**
P271	**Use in ventilated area**	**P280**	**Use gloves, eye protection/face sheild**
P302,332	**If on skin, wash with soap and water**	**P305,351,338**	**If in eyes, remove contacts, rinse with water**



Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))			% (optional)
Methanol	METHYL ALCOHOL	CAS#: 67-56-1	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H2O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6

Solubility in Water COMPLETE

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability Stable under recommended storage conditions.
Possibility of hazardous reactions Vapours may form explosive mixture with air.
Conditions to avoid Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions. - Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50	15,400 mg/l - 96 h
EC50	24,500.00 mg/l - 48 h
EC100	10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

Dec 12/6/24
20 vial
V14630 to
V14649

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 95318
Lot Number: 120524
Description: 2-Chloroethyl vinyl ether

Expiration Date: 120527
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 10000
NIST Test ID#: 6UTB

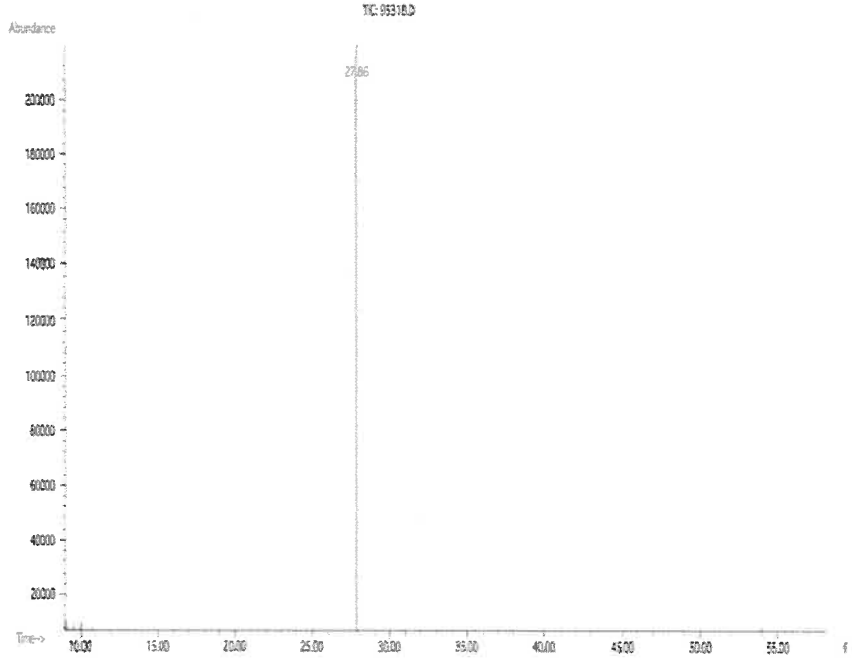
Solvent(s): Methanol **Lot#** EJ143-US

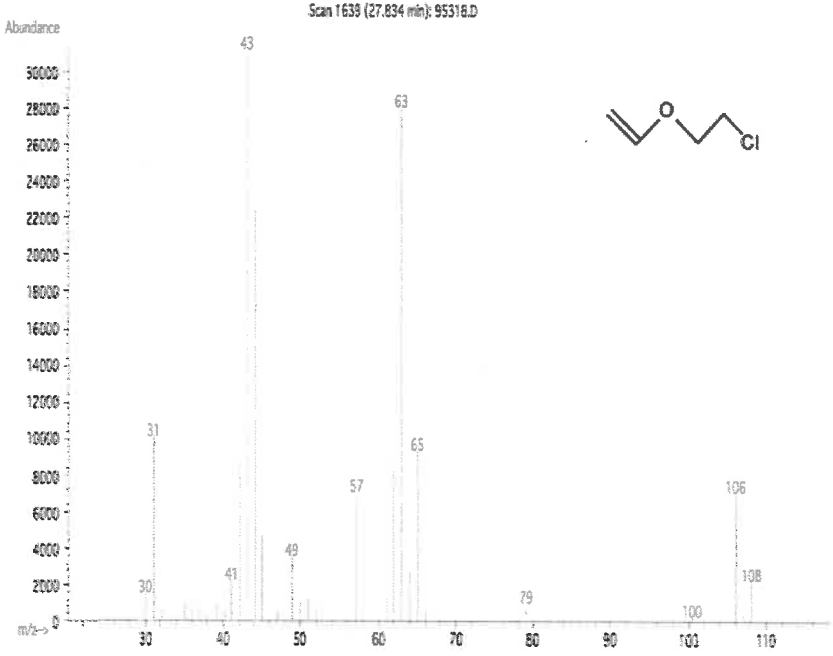
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 50.0 0.001 Flask Uncertainty

Prashant Chauhan	120524
Formulated By: Prashant Chauhan	DATE
Pedro Rentas	120524
Reviewed By: Pedro L. Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc(µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. 2-Chloroethyl vinyl ether	74	MKCD0033	10000	99	0.2	0.50536	0.50550	10002.9	40.5	110-75-8	N/A	ori-rat 250mg/kg

Method: GC6MSD-1.M. **Detector:** MSD. **Column:** (60m X 0.25mm X 1.5 µm). **Oven Profile:** Temp 1 = 35°C (Time 1=10min.), Temp 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min., Injector B Temp.= 200°C, Detector B Temp. = 220°C. **Analyst:** Candice Warren.





- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Absolute Standards Inc.
PO Box 5585
Hamden, CT 06518-0585
Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International Date Prepared/Revised	**1-352-323-3500** January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225	**Highly Flammable Liquid and Vapor**	**H301, 311, 331**	**Toxic if swallowed, skin contact, inhaled**
H370	**Cause damage to organs**	**H351**	**Suspected of causing cancer**
P271	**Use in ventilated area**	**P280**	**Use gloves, eye protection/face sheild**
P302,332	**If on skin, wash with soap and water**	**P305,351,338**	**If in eyes, remove contacts, rinse with water**



Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))			% (optional)
Methanol	METHYL ALCOHOL	CAS#: 67-56-1	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H2O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6

Solubility in Water COMPLETE

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability Stable under recommended storage conditions.
Possibility of hazardous reactions Vapours may form explosive mixture with air.
Conditions to avoid Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions. - Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50	15,400 mg/l - 96 h
EC50	24,500.00 mg/l - 48 h
EC100	10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

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

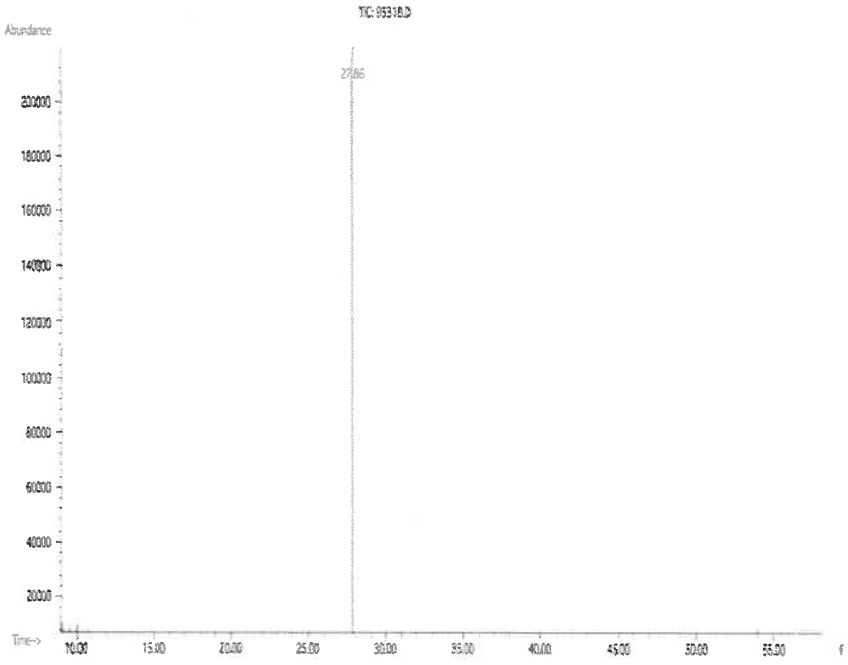
5E-05 Balance Uncertainty
0.001 Flask Uncertainty

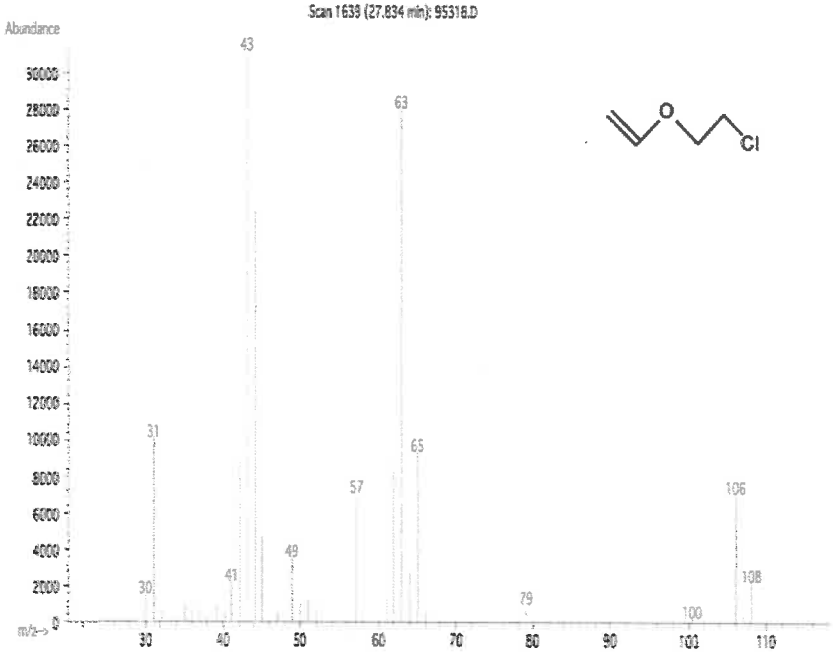
Weight(s) shown below were combined and diluted to (mL): 50.0

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.





- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Absolute Standards Inc.
PO Box 5585
Hamden, CT 06518-0585
Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International Date Prepared/Revised	**1-352-323-3500** January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225	**Highly Flammable Liquid and Vapor**	**H301, 311, 331**	**Toxic if swallowed, skin contact, inhaled**
H370	**Cause damage to organs**	**H351**	**Suspected of causing cancer**
P271	**Use in ventilated area**	**P280**	**Use gloves, eye protection/face sheild**
P302,332	**If on skin, wash with soap and water**	**P305,351,338**	**If in eyes, remove contacts, rinse with water**



Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))			% (optional)
Methanol	METHYL ALCOHOL	CAS#: 67-56-1	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H2O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6

Solubility in Water COMPLETE

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability Stable under recommended storage conditions.
Possibility of hazardous reactions Vapours may form explosive mixture with air.
Conditions to avoid Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions. - Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50	15,400 mg/l - 96 h
EC50	24,500.00 mg/l - 48 h
EC100	10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 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.)

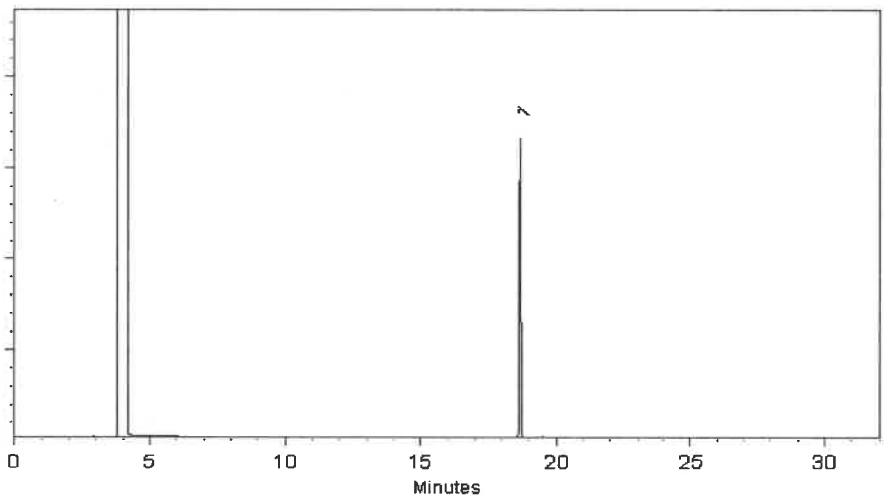
Inj. Temp:
200°C

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.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30489 **Lot No.:** A0209618

Description : 8260B Acetates Mix

8260B Acetates Mix 2,000 µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2025 **Storage:** -20°C or colder

Handling: This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Methyl acetate	79-20-9	SHBP3100	99%	2,019.3 µg/mL	+/- 69.7974
2	Vinyl acetate	108-05-4	RP231030CTH	98%	2,016.8 µg/mL	+/- 69.7112
3	Ethyl acetate	141-78-6	SHBQ9682	99%	2,010.7 µg/mL	+/- 69.4979
4	Isopropyl acetate	108-21-4	BCCG7069	99%	2,016.0 µg/mL	+/- 69.6822
5	Propyl acetate	109-60-4	P8XLN	99%	2,008.0 µg/mL	+/- 69.4057
6	Butyl acetate	123-86-4	SHBP6314	99%	2,007.3 µg/mL	+/- 69.3826
7	Amyl acetate	628-63-7	41325/1	97%	2,004.7 µg/mL	+/- 69.2905

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods . Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this

reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

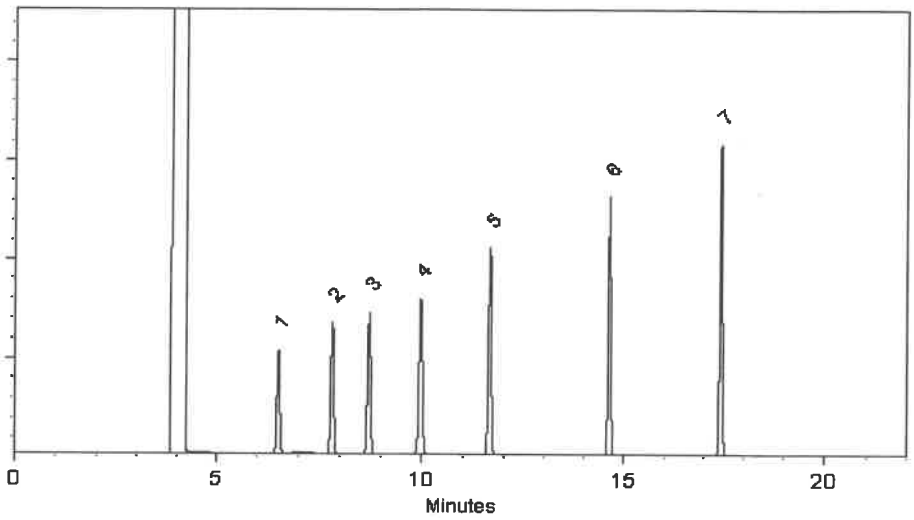
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler - Operations Tech I

Date Mixed: 28-Mar-2024 **Balance Serial #** B707717271

Dillan Murphy - Operations Technician I

Date Passed: 01-Apr-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30489 **Lot No.:** A0209618

Description : 8260B Acetates Mix

8260B Acetates Mix 2,000 µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2025 **Storage:** -20°C or colder

Handling: This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Methyl acetate	79-20-9	SHBP3100	99%	2,019.3 µg/mL	+/- 69.7974
2	Vinyl acetate	108-05-4	RP231030CTH	98%	2,016.8 µg/mL	+/- 69.7112
3	Ethyl acetate	141-78-6	SHBQ9682	99%	2,010.7 µg/mL	+/- 69.4979
4	Isopropyl acetate	108-21-4	BCCG7069	99%	2,016.0 µg/mL	+/- 69.6822
5	Propyl acetate	109-60-4	P8XLN	99%	2,008.0 µg/mL	+/- 69.4057
6	Butyl acetate	123-86-4	SHBP6314	99%	2,007.3 µg/mL	+/- 69.3826
7	Amyl acetate	628-63-7	41325/1	97%	2,004.7 µg/mL	+/- 69.2905

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods . Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this

reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

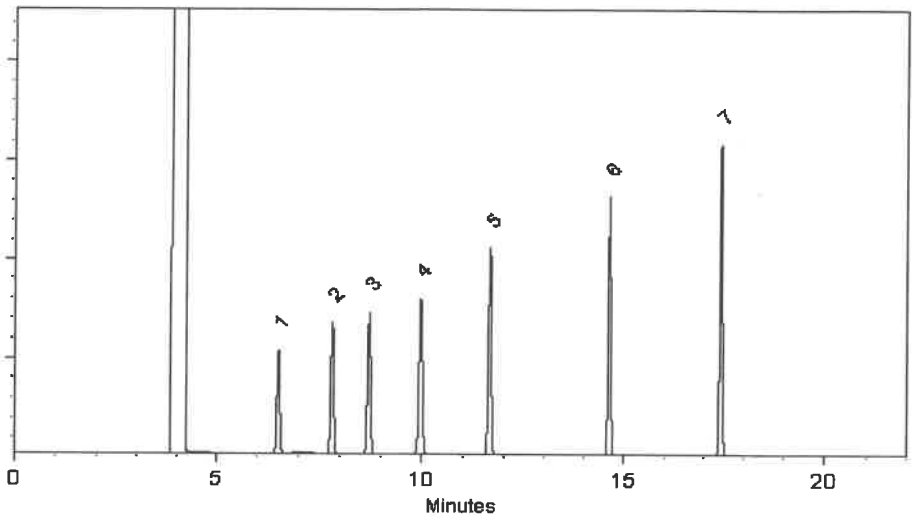
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler - Operations Tech I

Date Mixed: 28-Mar-2024 **Balance Serial #** B707717271

Dillan Murphy - Operations Technician I

Date Passed: 01-Apr-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric

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. : 555581 **Lot No.:** A0210184

Description : Custom 8260 Internal Standard Mix

Custom 8260 Internal Standard Mix 25,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2027 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dichlorobenzene-d4	3855-82-1	PR-30447	99%	25,212.0 µg/mL	+/- 1,427.8857
2	1,4-Difluorobenzene	540-36-3	MKCS8657	99%	25,220.0 µg/mL	+/- 1,428.3388
3	Chlorobenzene-d5	3114-55-4	PR-31132	99%	25,116.0 µg/mL	+/- 1,422.4487
4	Pentafluorobenzene	363-72-4	MKCR9383	99%	25,180.0 µg/mL	+/- 1,426.0734

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

John Friedline - Operations Technician I

Date Mixed: 11-Apr-2024 **Balance:** 1127510105

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

Rec 12/17/24

CERTIFIED REFERENCE MATERIAL

30 V.4

Certificate of Analysis

chromatographic plus

V14697-to-14726

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. : 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.)

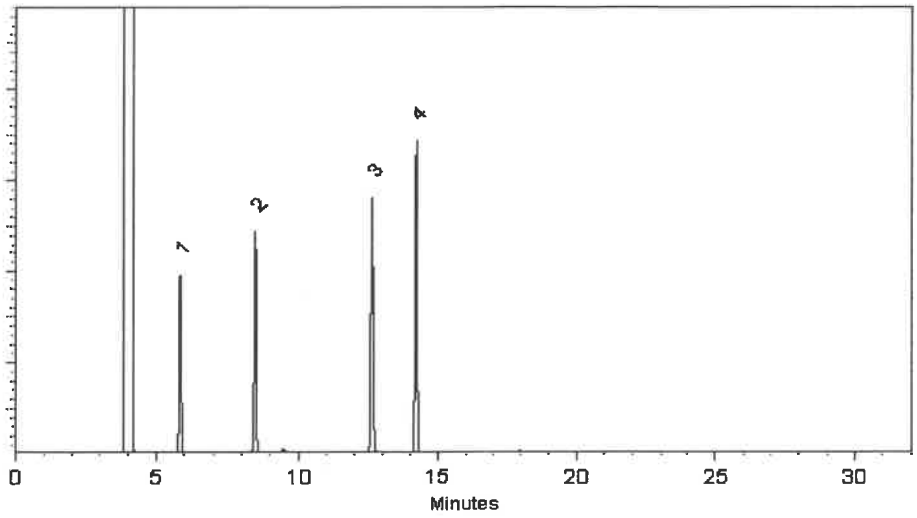
Inj. Temp:
200°C

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.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

Rec 12/17/24

CERTIFIED REFERENCE MATERIAL

30 Yr

Certificate of Analysis

chromatographic plus

V14697-to-14726

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. : 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.)

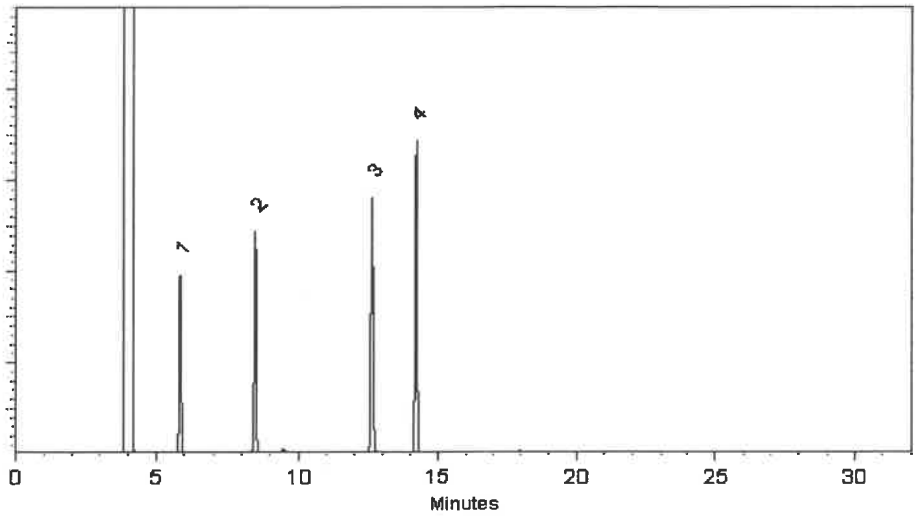
Inj. Temp:
200°C

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.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

Rec 12/17/24

CERTIFIED REFERENCE MATERIAL

30 V.4

Certificate of Analysis

chromatographic plus

V14697-to-14726

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. : 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.)

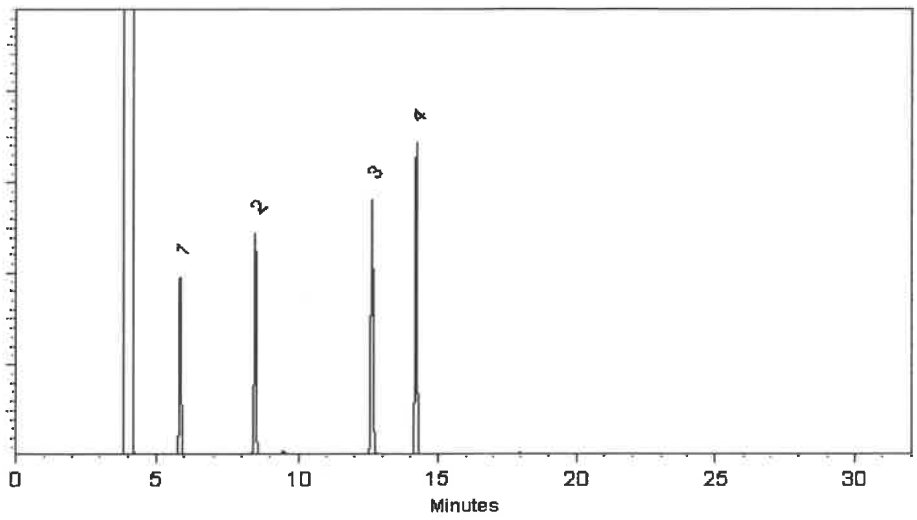
Inj. Temp:
200°C

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.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

10 vial.

CERTIFIED REFERENCE MATERIAL

Rec: 12/09/24

Certificate of Analysis

chromatographic plus

V14667 to
V14676

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30225 **Lot No.:** A0214960

Description : Bromochloromethane Standard

Bromochloromethane 2000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : August 31, 2029 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Bromochloromethane	74-97-5	SYN240416CTH	99%	2,012.0 µg/mL	+/- 113.0519

* 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.)

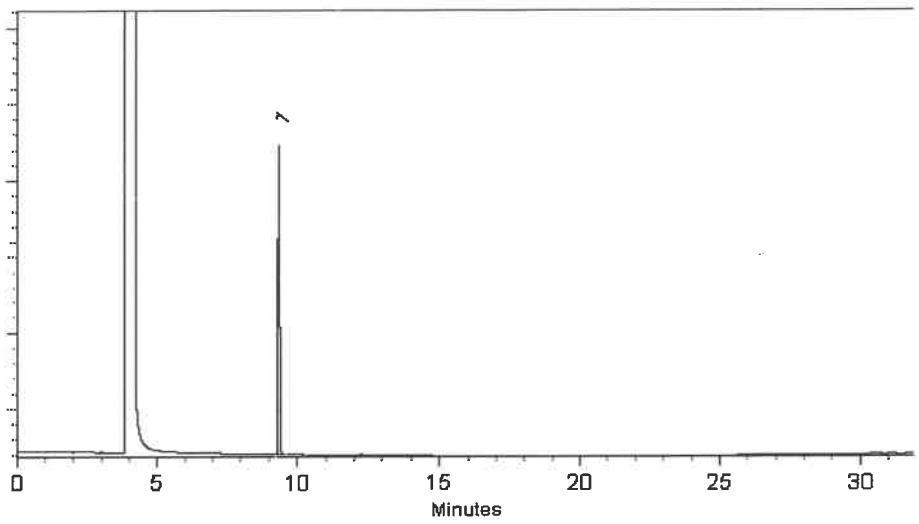
Inj. Temp:
200°C

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.

Stacey Wanner - Operations Technician I

Date Mixed: 08-Aug-2024 **Balance Serial #** 1127510105

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 14-Aug-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

10 vial.

CERTIFIED REFERENCE MATERIAL

Rec: 12/09/24

Certificate of Analysis

chromatographic plus

V14667 to
V14676

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30225 **Lot No.:** A0214960

Description : Bromochloromethane Standard

Bromochloromethane 2000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : August 31, 2029 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Bromochloromethane	74-97-5	SYN240416CTH	99%	2,012.0 µg/mL	+/- 113.0519

* 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.)

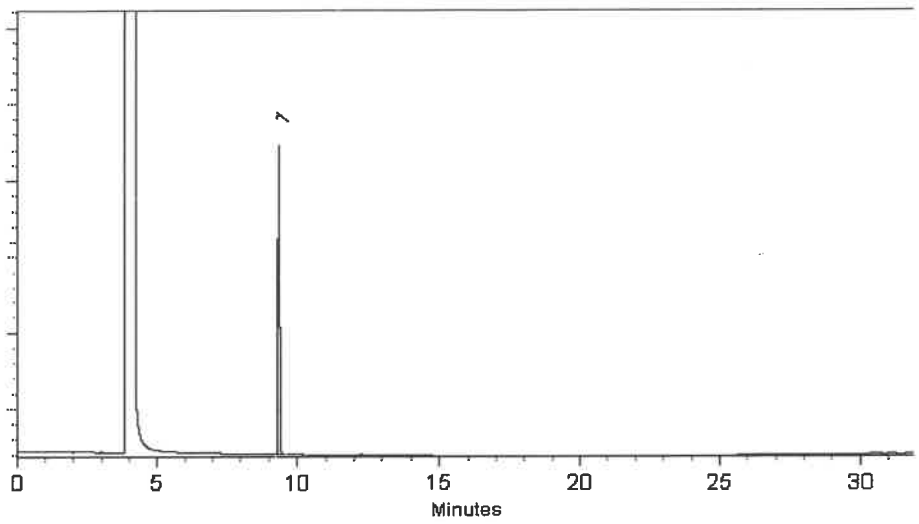
Inj. Temp:
200°C

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.

Stacey Wanner - Operations Technician I

Date Mixed: 08-Aug-2024 **Balance Serial #** 1127510105

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 14-Aug-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

10 vial.

CERTIFIED REFERENCE MATERIAL

Rec: 12/09/24

Certificate of Analysis

chromatographic plus

V14667 to
V14676

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30225 **Lot No.:** A0214960

Description : Bromochloromethane Standard

Bromochloromethane 2000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : August 31, 2029 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Bromochloromethane	74-97-5	SYN240416CTH	99%	2,012.0 µg/mL	+/- 113.0519

* 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.)

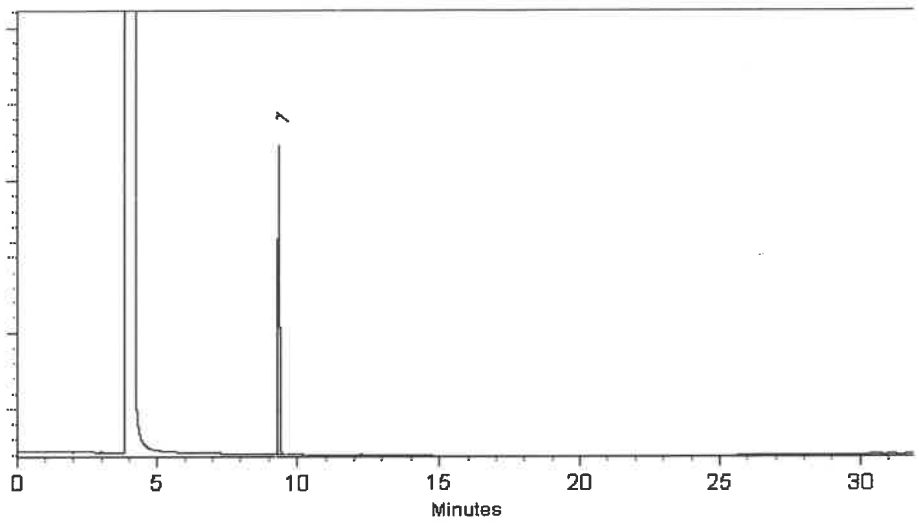
Inj. Temp:
200°C

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.

Stacey Wanner - Operations Technician I **Date Mixed:** 08-Aug-2024 **Balance Serial #** 1127510105

Jennifer Pollino - Operations Tech III - ARM QC **Date Passed:** 14-Aug-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

10 vial.

CERTIFIED REFERENCE MATERIAL

Rec: 12/09/24

Certificate of Analysis

chromatographic plus

V14667 to
V14676

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30225 **Lot No.:** A0214960

Description : Bromochloromethane Standard

Bromochloromethane 2000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : August 31, 2029 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Bromochloromethane	74-97-5	SYN240416CTH	99%	2,012.0 µg/mL	+/- 113.0519

* 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.)

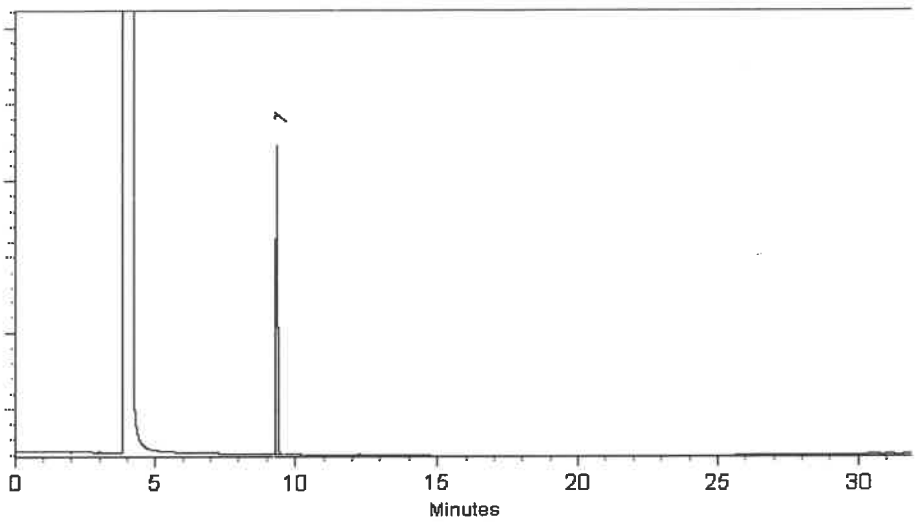
Inj. Temp:
200°C

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.

Stacey Wanner - Operations Technician I

Date Mixed: 08-Aug-2024 **Balance Serial #** 1127510105

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 14-Aug-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

Rec 12/17/24

CERTIFIED REFERENCE MATERIAL

30 Vial

Certificate of Analysis

chromatographic plus

V14727 to
V14756

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30042 **Lot No.:** A0216826

Description : 502.2 Calibration Mix #1

502.2 Calibration Mix #1 2,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : May 31, 2031 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Dichlorodifluoromethane (CFC-12)	75-71-8	00022922	99%	2,000.9 µg/mL	+/- 112.4144
2	Chloromethane (methyl chloride)	74-87-3	00022694	99%	2,000.7 µg/mL	+/- 112.3998
3	Vinyl chloride	75-01-4	00015559	99%	2,000.3 µg/mL	+/- 112.3779
4	Bromomethane (methyl bromide)	74-83-9	00017022	99%	2,001.8 µg/mL	+/- 112.4650
5	Chloroethane (ethyl chloride)	75-00-3	107-401039114-1	99%	2,000.1 µg/mL	+/- 112.3700
6	Trichlorofluoromethane (CFC-11)	75-69-4	MKCJ8658	99%	2,000.7 µg/mL	+/- 112.3992

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
60m x 0.25mm x 1.4µm
Rtx-502.2 (cat.#10916)

Carrier Gas:
helium-constant flow 2.0 mL/min.

Temp. Program:
40°C (hold 6 min.) to 100°C
@ 6°C/min.

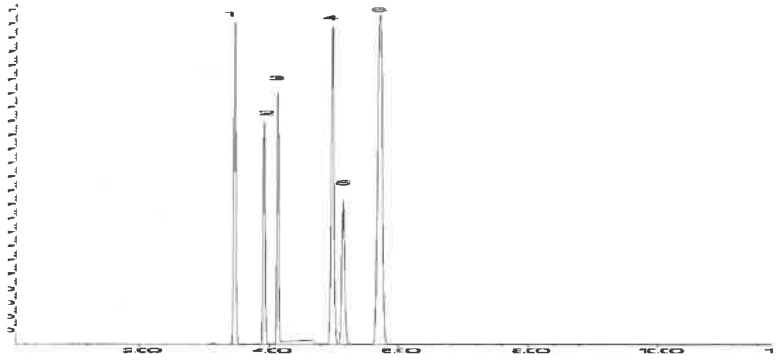
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD

Split Vent:
Split ratio 10:1

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Tom Suckar - Mix Technician

Date Mixed: 23-Sep-2024 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 04-Oct-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

Rec 12/17/24

CERTIFIED REFERENCE MATERIAL

30 Vial

Certificate of Analysis

chromatographic plus

V14727 to V14756

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30042 **Lot No.:** A0216826

Description : 502.2 Calibration Mix #1

502.2 Calibration Mix #1 2,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : May 31, 2031 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Dichlorodifluoromethane (CFC-12)	75-71-8	00022922	99%	2,000.9 µg/mL	+/- 112.4144
2	Chloromethane (methyl chloride)	74-87-3	00022694	99%	2,000.7 µg/mL	+/- 112.3998
3	Vinyl chloride	75-01-4	00015559	99%	2,000.3 µg/mL	+/- 112.3779
4	Bromomethane (methyl bromide)	74-83-9	00017022	99%	2,001.8 µg/mL	+/- 112.4650
5	Chloroethane (ethyl chloride)	75-00-3	107-401039114-1	99%	2,000.1 µg/mL	+/- 112.3700
6	Trichlorofluoromethane (CFC-11)	75-69-4	MKCJ8658	99%	2,000.7 µg/mL	+/- 112.3992

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
60m x 0.25mm x 1.4µm
Rtx-502.2 (cat.#10916)

Carrier Gas:
helium-constant flow 2.0 mL/min.

Temp. Program:
40°C (hold 6 min.) to 100°C
@ 6°C/min.

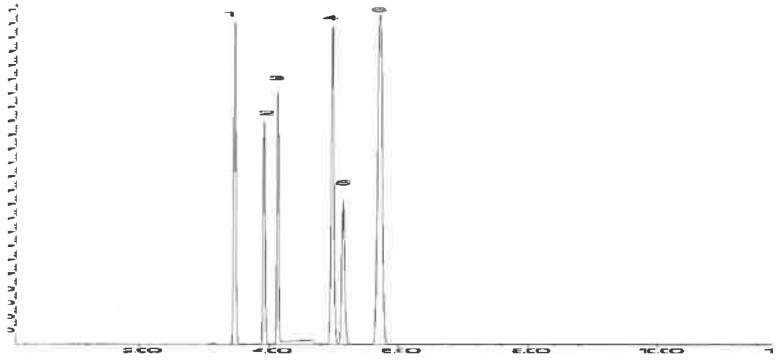
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD

Split Vent:
Split ratio 10:1

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Tom Suckar - Mix Technician

Date Mixed: 23-Sep-2024 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 04-Oct-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

Certificate of Analysis

chromatographic plus

J14842 to 14846

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30470 **Lot No.:** A0217535

Description : tert-Butanol Standard

tert-Butanol Std 50,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : October 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	tert-Butanol (TBA)	75-65-0	SHBQ8002-1	99%	50,007.5 µg/mL	+/- 717.6137

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

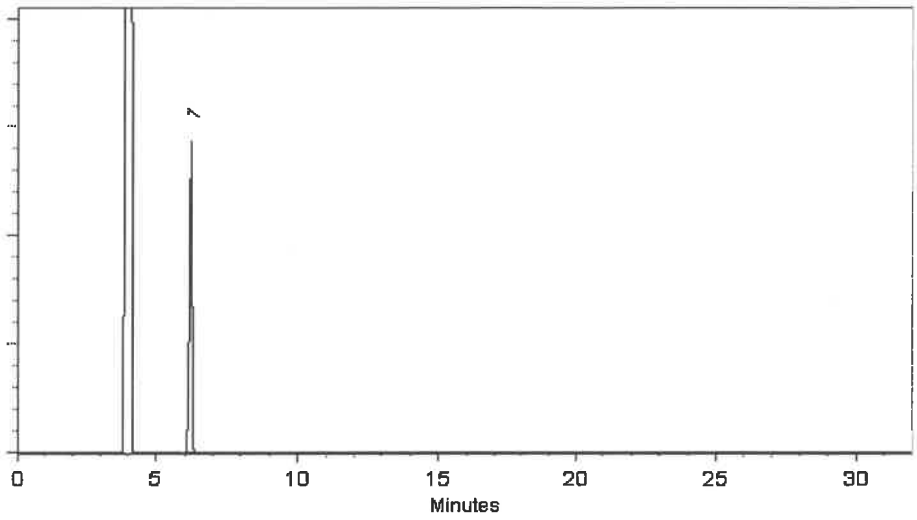
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Aaron Enyart - Operations Tech I

Date Mixed: 07-Oct-2024 **Balance Serial #** B251644995

Brittany Federinko - Operations Tech I

Date Passed: 09-Oct-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

Zoey Rec 01/08/21

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic

V14803 - V14822

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555408-SL **Lot No.:** A0220471

Description : Custom Vinyl Acetate Standard

Custom Vinyl Acetate Standard 8,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : June 30, 2026 **Storage:** -20°C or colder

Handling: This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Vinyl acetate	108-05-4	RD240423RSR	99%	8,066.0 µg/mL	+/- 278.7979

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods . Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

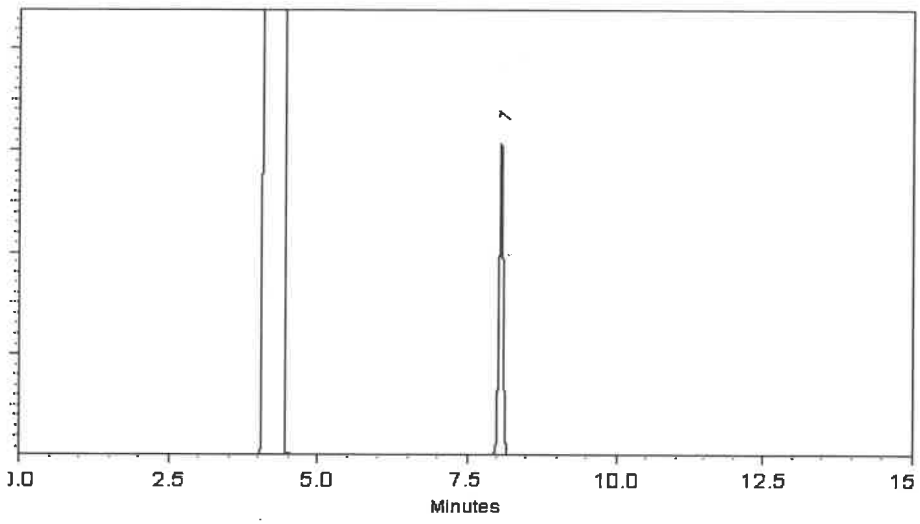
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Ethan Winiarski - Operations Tech I

Date Mixed: 24-Dec-2024 **Balance Serial #** 1127510105

Dillan Murphy - Operations Technician I

Date Passed: 02-Jan-2025

REVIEWED

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  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

Certificate of Analysis

chromatographic

V14803 - V14822

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555408-SL **Lot No.:** A0220471

Description : Custom Vinyl Acetate Standard

Custom Vinyl Acetate Standard 8,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : June 30, 2026 **Storage:** -20°C or colder

Handling: This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Vinyl acetate	108-05-4	RD240423RSR	99%	8,066.0 µg/mL	+/- 278.7979

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods . Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

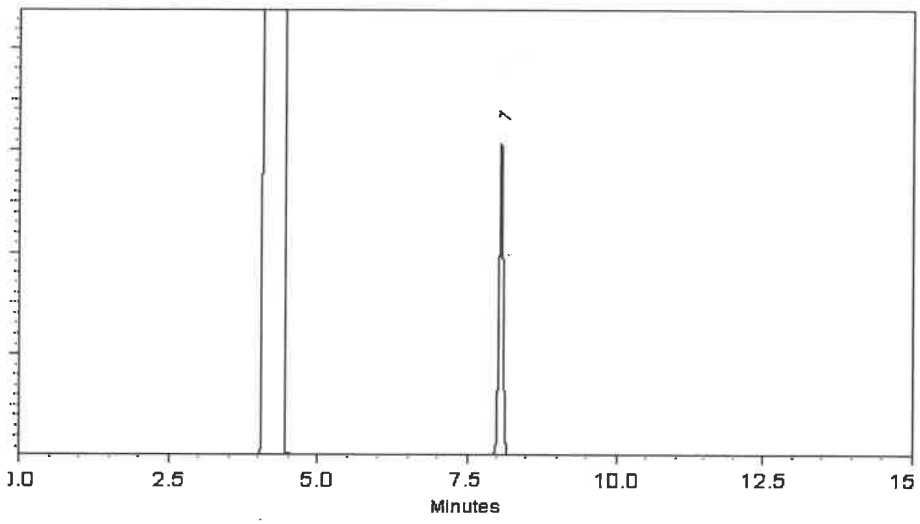
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Ethan Winiarski - Operations Tech I

Date Mixed: 24-Dec-2024 **Balance Serial #** 1127510105

Dillan Murphy - Operations Technician I

Date Passed: 02-Jan-2025

REVIEWED

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

10 vial

CERTIFIED REFERENCE MATERIAL

Lee 03/31/25

Certificate of Analysis

gravimetric

V14904 to V14913

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. : 555582 **Lot No.:** A0223904

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 : March 31, 2028 **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-33313	99%	25,108.0 µg/mL	+/- 1,421.9957
2	1-Bromo-4-fluorobenzene (BFB)	460-00-4	0000268853	99%	25,108.0 µg/mL	+/- 1,421.9957
3	Dibromofluoromethane	1868-53-7	VENKAT02	99%	25,232.0 µg/mL	+/- 1,429.0184
4	Toluene-d8	2037-26-5	PR-34141	99%	25,156.0 µg/mL	+/- 1,424.7141

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Brittany Federinko - Operations Tech I

Date Mixed: 27-Mar-2025 **Balance:** B251644995

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis

Rec 05/09/25

avantor™ | J.T.Baker®

V14921 to
V14938

Material No.: 9077-02
Batch No.: 24G0262002
Manufactured Date: 2024-05-14
Expiration Date: 2027-05-14
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	0.3 ppm
Titrable Acid (µeq/g)	≤ 0.3	0.3
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

JCroak

Jamie Croak
Director Quality Operations, Bioscience Production

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

Rec 09/16/25 5 vial

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 091525
Description: Acrolein

Solvent(s): Water **Lot#** 041725Q

V15064 to V15068

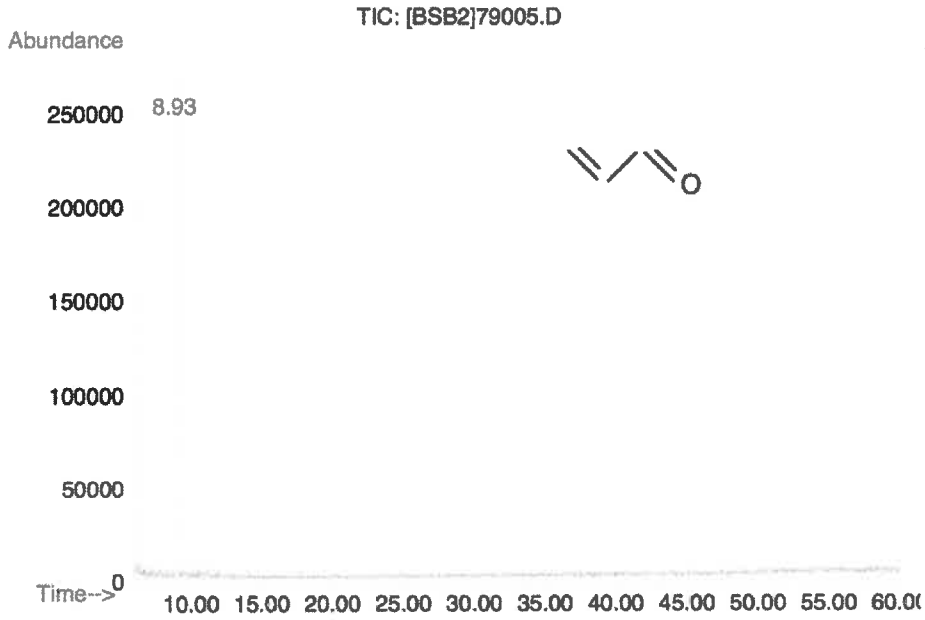
Expiration Date: 101525
Recommended Storage: Refrigerate (2°C to 8°C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB 5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 10.0 0.001 Flask Uncertainty

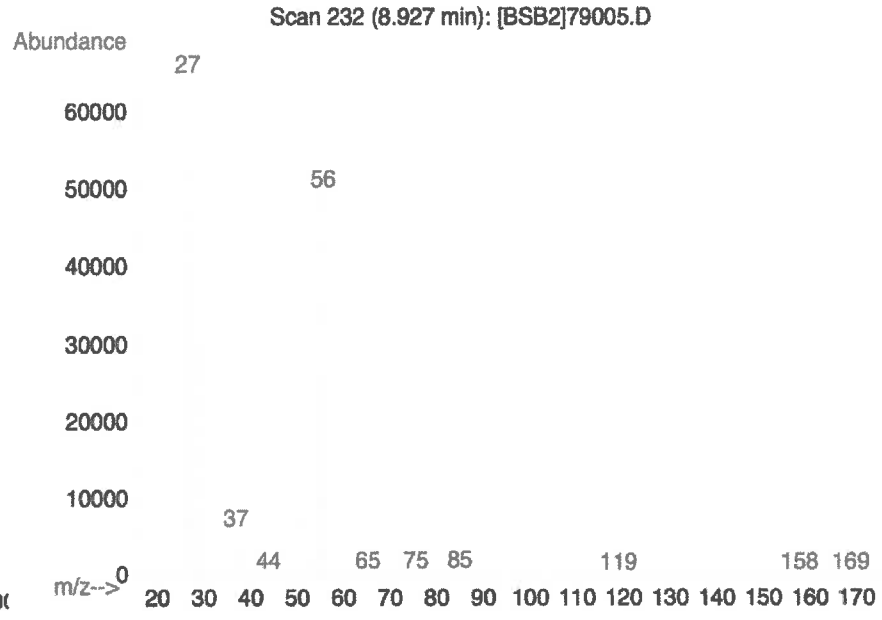
091525
Formulated By: Anthony Mahoney DATE

091525
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	0.05176	5009.9	52.6	107-02-8	0.1 ppm	orl-rat 46mg/kg

Method: GC6MSD-1. **Detector:** Mass Selective Detector (Scan mode). **Column:** Vocol (60m X 0.25mm ID X 1.5µm film thickness). **Oven Profile:** Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.) Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. **Analyst:** Pedro Rentas. **NOTE:** Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately Long term storage is not recommended. Please contact our technical department if further information is required.





- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated by an ISO 17025 certified organization with weights traceable through NIST to the SI kilogram (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).

Rev 1.0, 2/25/2025

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

Rec 09/16/25 5 vial

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 091525
Description: Acrolein

Solvent(s): Water **Lot#** 041725Q

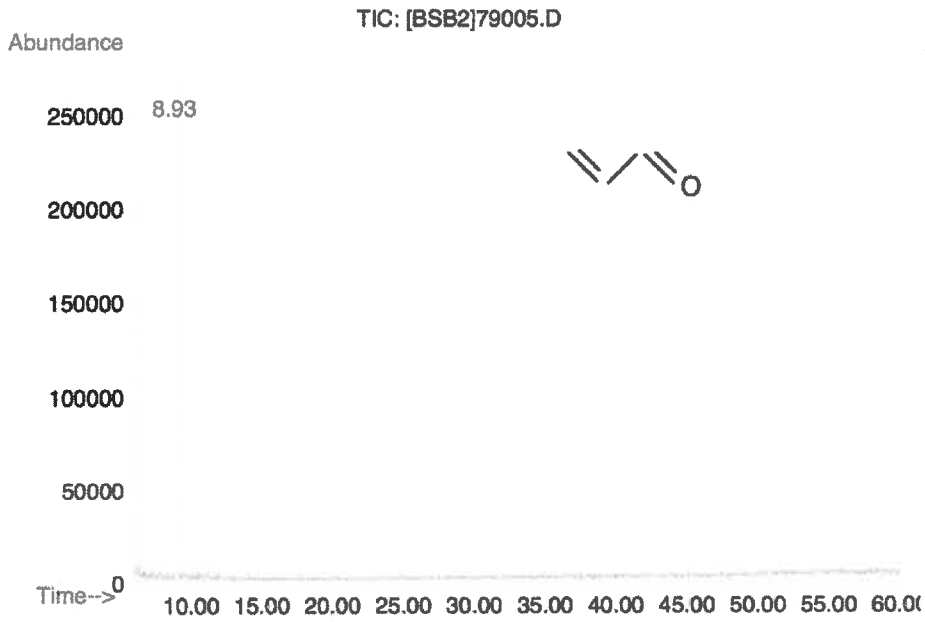
V15064 to V15068

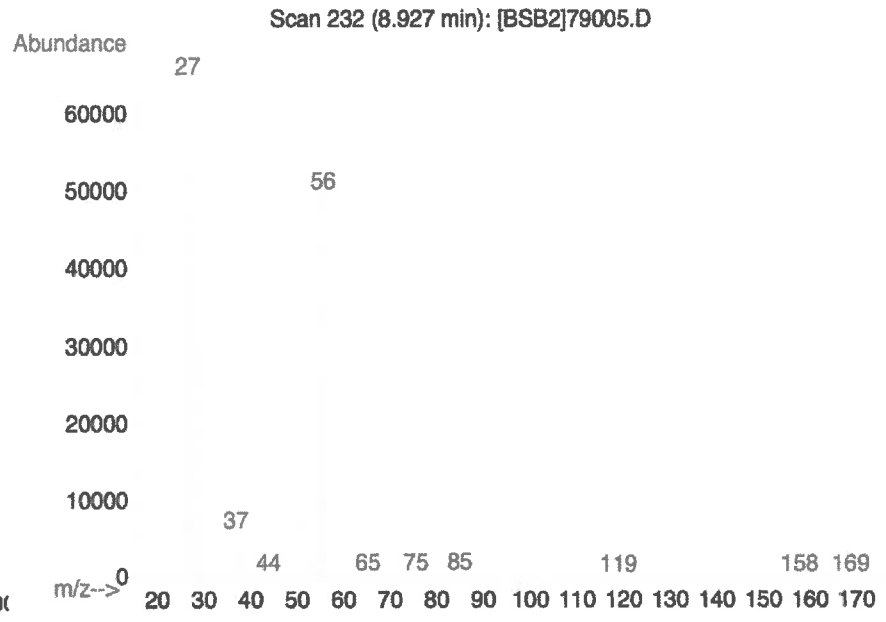
Expiration Date: 101525
Recommended Storage: Refrigerate (2°C to 8°C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB 5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 10.0 0.001 Flask Uncertainty

Formulated By:	Anthony Mahoney	091525 DATE
Reviewed By:	Pedro L. Rentas	091525 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	0.05176	5009.9	52.6	107-02-8	0.1 ppm	orl-rat 46mg/kg

Method: GC6MSD-1. **Detector:** Mass Selective Detector (Scan mode). **Column:** Vocol (60m X 0.25mm ID X 1.5µm film thickness). **Oven Profile:** Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.) Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. **Analyst:** Pedro Rentas. **NOTE:** Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately Long term storage is not recommended. Please contact our technical department if further information is required.





- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated by an ISO 17025 certified organization with weights traceable through NIST to the SI kilogram (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).

Rev 1.0, 2/25/2025

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

Rec 09/16/25 5 vial

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 091525
Description: Acrolein

Solvent(s): Water **Lot#** 041725Q

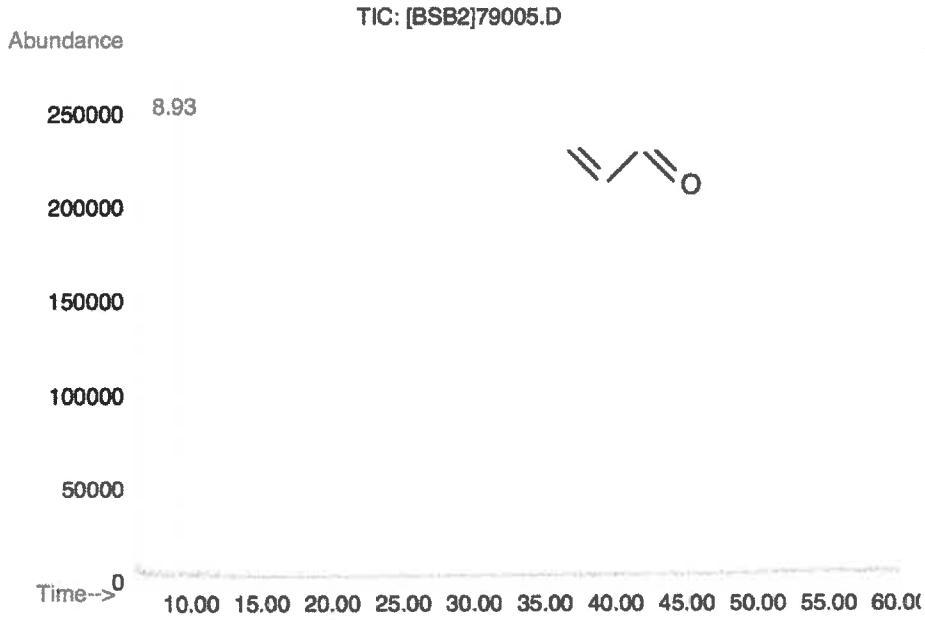
V15064 to V15068

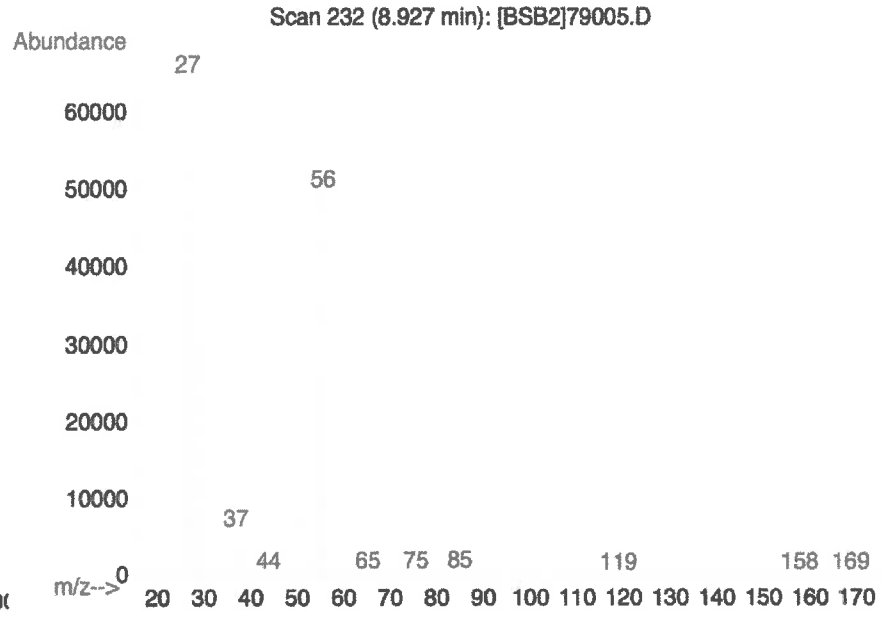
Expiration Date: 101525
Recommended Storage: Refrigerate (2°C to 8°C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB 5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 10.0 0.001 Flask Uncertainty

Formulated By:	Anthony Mahoney	091525 DATE
Reviewed By:	Pedro L. Rentas	091525 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	0.05176	5009.9	52.6	107-02-8	0.1 ppm	orl-rat 46mg/kg

Method: GC6MSD-1. **Detector:** Mass Selective Detector (Scan mode). **Column:** Vocol (60m X 0.25mm ID X 1.5µm film thickness). **Oven Profile:** Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.) Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. **Analyst:** Pedro Rentas. **NOTE:** Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately Long term storage is not recommended. Please contact our technical department if further information is required.





- **The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.**
- **Standards are prepared gravimetrically using balances that are calibrated by an ISO 17025 certified organization with weights traceable through NIST to the SI kilogram (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).**

Rev 1.0, 2/25/2025

SHIPPING DOCUMENTS

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 • Fax (908) 789-8922
www.chemtech.net

ALLIANCE PROJECT NO. Q3095
QUOTE NO.
COC Number 2045022 Q3097

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: Resolution Consultants
ADDRESS:
CITY STATE: ZIP:
ATTENTION: Eleanor Vivadon
PHONE: FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: NWIRP Bethpage
PROJECT NO.: 60731872 LOCATION: Bethpage, NY
PROJECT MANAGER: Eleanor Vivadon
e-mail: Eleanor.Vivadon@aecom.com
PHONE: FAX:

CLIENT BILLING INFORMATION

BILL TO: Eleanor Vivadon PO#:
ADDRESS: 27 Ellis Place
CITY Ossining STATE: NY ZIP: 10562
ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

FAX (RUSH) _____ DAYS*
HARDCOPY (DATA PACKAGE): Standard 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 _____

ANALYSIS

1: VOCs 8260
2: 1,4 dioxane 8270SIM
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
								A	F								← Specify Preservatives A-HCl D-NaOH B-HN03 E-ICE C-H2SO4 F-OTHER
1.	MW3051 - 20250908	GW		X	9/8	1505	3	2	1								
2.	MW179D - 20250908	GW		X	9/8	1538	3	2	1								
3.	MW201D - 20250908	GW		X	9/8	1600	3	2	1								
4.	MW179D1 - 20250908	GW		X	9/8	1630	3	2	1								
5.	MW203D2 - 20250909	GW		X	9/9	1020	~~6~~ 9	~~6~~	3								MS/MSD
6.	MW203D1 - 20250909	GW		X	9/9	1030	3	2	1								
7.	MW179D2 - 20250909	GW		X		1012	3	2	1								
8.	MW201D1 - 20250909	GW		X		1045	3	2	1								
9.	RE122D1 - 20250909	GW		X		1300	3	2	1								
10.	MW202D - 20250909	GW		X	↓	1112	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. Mona Acinck	09/12/25 1320	1. 9-12-25 1320
RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
2.		2.
RELINQUISHED BY SAMPLER:	DATE/TIME: 1720 9-12-25	RECEIVED BY:
3.		3.

Conditions of bottles or coolers at receipt: ❑ COMPLIANT ❑ NON COMPLIANT ❑ COOLER TEMP 3.0 °C
Comments:

Page 1 of 6

CLIENT: ❑ Hand Delivered ❑ Other

Shipment Complete ❑ YES ❑ NO

Copyright © 2024

WHITE - ALLIANCE COPY FOR RETURN TO CLIENT YELLOW - ALLIANCE COPY PINK - SAMPLER COPY

Alliance TECHNICAL GROUP

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 • Fax (908) 789-8922
www.chemtech.net

ALLIANCE PROJECT NO. Q3095
QUOTE NO. Q3097
COC Number 2045023

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: Resolution Consultants
ADDRESS:
CITY STATE: ZIP:
ATTENTION: Eleanor Vivadon
PHONE: FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: NWIRP Bethpage
PROJECT NO.: 60731872 LOCATION: Bethpage, NY
PROJECT MANAGER: Eleanor Vivadon
e-mail: Eleanor.Vivadon@aecom.com
PHONE: FAX:

CLIENT BILLING INFORMATION

BILL TO: Eleanor Vivadon PO#:
ADDRESS: 27 Ellis Place
CITY Ossining STATE: NY ZIP: 10562
ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

FAX (RUSH) _____ DAYS*
HARDCOPY (DATA PACKAGE): Standard 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 _____

ANALYSIS

1: VOCs 8260 2. 1,4 dioxane 8270SIM 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
								A	F								← Specify Preservatives A-HCl D-NaOH B-HN03 E-ICE C-H2SO4 F-OTHER
1.	MW178I1-20250909	GW		X	9/9	1300	3	2	1								
2.	RE123D1-20250909	GW		X	9/9	1340	3	2	1								
3.	RE123D3-20250909	GW		X	9/9	1355	3	2	1								
4.	MW305D-20250909	GW		X	9/9	1155	3	2	1								
5.	DUP01-20250909	GW		X	9/9	1235	3	2	1								
6.	RE126D2-20250909	GW		X	9/9	1442	3	2	1								
7.	RE126D3-20250909	GW		X	9/9	1540	3	2	1								
8.	MW178S-20250910	GW		X	9/10	0947 0948 MS	3	2	1								
9.	RE126D1-20250910	GW		X	9/10	1010	3	2	1								
10.	MW202D1-20250910	GW		X	9/10	1010	3	2	1								

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:	DATE/TIME:
1. Nora Acrete	9/12/25 1320	1.	9-12-25 1320
2.		2.	
3.	9/12/25 1720	3.	

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 2.9 °C
Comments:

Page 2 of 6

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete ☐ YES ☐ NO

Copyright © 2024

WHITE - ALLIANCE COPY FOR RETURN TO CLIENT YELLOW - ALLIANCE COPY PINK - SAMPLER COPY

Alliance TECHNICAL GROUP

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 • Fax (908) 789-8922
www.chemtech.net

ALLIANCE PROJECT NO. Q3095
QUOTE NO. Q3097
COC Number 2045024

CLIENT INFORMATION (REPORT TO BE SENT TO:)

COMPANY: Resolution Consultants
ADDRESS:
CITY STATE: ZIP:
ATTENTION: Eleanor Vivadon
PHONE: FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: NWIRP Bethpage
PROJECT NO.: 60731872 LOCATION: Bethpage, NY
PROJECT MANAGER: Eleanor Vivadon
e-mail: Eleanor.vivadon@aecom.com
PHONE: FAX:

CLIENT BILLING INFORMATION

BILL TO: Eleanor vivadon PO#:
ADDRESS: 27 Ellis Place
CITY Ossining STATE: NY ZIP: 10563
ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

FAX (RUSH) _____ DAYS*
HARDCOPY (DATA PACKAGE): Standard 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 _____

ANALYSIS

1: VOCs 8260 2: 1,4 dioxane 8270 SIM 3: 4: 5: 6: 7: 8: 9:

PRESERVATIVES

A-HCl D-NaOH
B-HN03 E-ICE
C-H2SO4 F-OTHER

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	A 1	F 2	3	4	5	6	7	8	9	COMMENTS
1.	RE104D2-20250910	GW		X	9/10	1045	3	2	1								
2.	MW178I-20250910	GW		X	9/10	1052	3	2	1								
3.	DUP02-20250910	GW		X	9/10	1315	3	2	1								
4.	DUP03-20250910	GW		X	9/10	1035	3	2	1								
5.	~~RE-H~~ MA RE117D1-20250910	GW		X	9/10	1300	3	2	1								
6.	RE104D3-20250910	GW		X	9/10	1305	3	2	1								
7.	RE122D2-20250910	GW		X	9/10	1315	3	2	1								
8.	RE104D1-20250910	GW		X	9/10	1115	3	2	1								
9.	TT180D-20250911	GW		X	9/11	0940	3	2	1								
10.	RE122D3-20250911	GW		X	9/11	1010	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. Mona Achek	9/12/25 1320	1. 9-12-25 1320
2.		2.
3.	9-12-25 1720	3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 2.1 °C
Comments:

Page 3 of 6

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete ☐ YES ☐ NO

Copyright © 2024

WHITE - ALLIANCE COPY FOR RETURN TO CLIENT YELLOW - ALLIANCE COPY PINK - SAMPLER COPY

Alliance TECHNICAL GROUP

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 • Fax (908) 789-8922
www.chemtech.net

ALLIANCE PROJECT NO. Q3095
QUOTE NO. Q3097
COC Number 2045026

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: Resolution Consultants
ADDRESS:
CITY STATE: ZIP:
ATTENTION: Eleanor Vivadou
PHONE: FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: NWIRP Bethpage
PROJECT NO.: 60731872 LOCATION: Bethpage, NY
PROJECT MANAGER: Eleanor Vivadou
e-mail: Eleanor.Vivadou@arcom.com
PHONE: FAX:

CLIENT BILLING INFORMATION

BILL TO: Eleanor Vivadou PO#:
ADDRESS: 27 Ellis Place
CITY Ossining STATE: NY :ZIP: 10563
ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

FAX (RUSH) _____ DAYS*
HARDCOPY (DATA PACKAGE): Standard 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 _____

ANALYSIS

1: VOCs 8260 2: 1,4 dioxane 8270SIM 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 (A)	2 (F)	3	4	5	6	7	8	9	COMMENTS
1.	RE103D2-20250911	GW		X	9/11	0957	9	6	3								MS/MSD
2.	RE125D1-20250911	GW		X	9/11	1055	3	2	1								
3.	RE125D3-20250911	GW		X	9/11	1125	3	2	1								
4.	RE103D3-20250911	GW		X	9/11	1112	3	2	1								
5.	RE108D2-20250911	GW		X	9/11	~~1155~~ 1158 MK	3	2	1								
6.	RE125D2-20250911	GW		X	9/11	1245	3	2	1								
7.	RE108D1-20250911	GW		X	9/11	1255	3	2	1								
8.	RE120D3-20250911	GW		X	9/11	1420	3	2	1								
9.	RE105D1-20250911	GW		X	9/11	1535	3	2	1								
10.	DUP04-20250911	GW		X	9/11	1635	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. Mona Achek	09/12/25 1320	1. 9.12.25 1320
RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
2.		2.
RELINQUISHED BY SAMPLER:	DATE/TIME: 1720	RECEIVED BY:
3.	9.12.25	3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 2.8 °C
Comments:

Page 4 of 6

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete ☐ YES ☐ NO

Copyright © 2024

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 • Fax (908) 789-8922
www.chemtech.net

ALLIANCE PROJECT NO. Q3095
QUOTE NO. Q3097
COC Number 2045025

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: Resolution Consultants
ADDRESS:
CITY STATE: ZIP:
ATTENTION: Eleanor Vivadon
PHONE: FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: NMBP Bethpage
PROJECT NO.: 60731872 LOCATION: Bethpage, NY
PROJECT MANAGER: Eleanor Vivadon
e-mail: eleanor.vivadon@aecom.com
PHONE: FAX:

CLIENT BILLING INFORMATION

BILL TO: Eleanor Vivadon PO#:
ADDRESS: 27 Ellis Place
CITY Ossining STATE: NY ZIP: 10563
ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

FAX (RUSH) _____ DAYS*
HARDCOPY (DATA PACKAGE): Standard 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 _____

ANALYSIS

1: VOCs 8260
2: 1,4 dioxane 8270SIM
3. 4. 5. 6. 7. 8. 9.

PRESERVATIVES

COMMENTS

← Specify Preservatives
A-HCl D-NaOH
B-HN03 E-ICE
C-H2SO4 F-OTHER

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
								A	F								
1.	DUP05-20250911	GW		X	9/11	1105	3	2	1								
2.	RE105D2-20250911	GW		X	9/11	1625	3	2	1								
3.	RE117D2-20250911	GW		X	9/11	1570	3	2	1								
4.	TB01-20250911	Aq			9/11	N/A	2	2									QA/QC TBs
5.	TB02-20250911	Aq			9/11	N/A	2	2									QA/QC TBs
6.	TB03-20250911	Aq			9/11	N/A	2	2									QA/QC TBs
7.	TB04-20250911	Aq			9/11	N/A	2	2									QA/QC TBs
8.	TB05-20250912	Aq			9/12	N/A	2	2									
9.	RE120D1-20250912	GW		X	9/12	0952	3	2	1								
10.	DUP06-20250912	GW		X	9/12	1140	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. Mona Achek	9/12/25 1320	1. 9-12-25 1320
2.		2.
3.	9-12-25 1720	3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 3.1 °C
Comments:

Page 5 of 6

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete ☐ YES ☐ NO

Copyright © 2024

Alliance TECHNICAL GROUP

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 · Fax (908) 789-8922
www.chemtech.net

ALLIANCE PROJECT NO. Q3095
QUOTE NO. Q3097
COC Number 2045027

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: Resolution Consultants
ADDRESS:
CITY: STATE: ZIP:
ATTENTION: Eleanor Vivadon
PHONE: FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: NWIRP Bethpage
PROJECT NO.: 60731872 LOCATION: Bethpage
PROJECT MANAGER: Eleanor Vivadon
e-mail: eleanor.vivadon@aecom.com
PHONE: FAX:

CLIENT BILLING INFORMATION

BILL TO: Eleanor Vivadon PO#:
ADDRESS: 27 Ellis Place
CITY Ossining STATE: NY ZIP: 10562
ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

FAX (RUSH) _____ DAYS*
HARDCOPY (DATA PACKAGE): Standard 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 _____

ANALYSIS

1: VOCs 8260
2: 1,4-dioxane 8270SIM
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
								A	F								← Specify Preservatives A-HCl D-NaOH B-HN03 E-ICE C-H2SO4 F-OTHER
1.	RE120D2-20250912	GW		X	9/12	0955 0954	3	2	1								
2.	RE134D1-20250912	GW		X	9/12	0955	3	2	1								
3.	RE134D4-20250912	GW		X	9/12	1010	3	2	1								
4.	RE134D2-20250912	GW		X	9/12	0950	3	2	1								
5.	RE134D3-20250912	GW		X	9/12	1030	3	2	1								
6.	EB01-20250912	~~GW~~ AQ		X	9/12	0822	3	2	1								Equipment Blank
7.																	
8.																	
9.																	
10.																	

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:	DATE/TIME:
1. Mario Acick	9/12-25 1320	1.	9.12.25 1320
2.		2.	
3.	9-12-25 1720	3.	

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 3.1 °C
Comments:

Page 6 of 6

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete ☐ YES ☐ NO

Copyright © 2004

WHITE - ALLIANCE COPY FOR RETURN TO CLIENT YELLOW - ALLIANCE COPY PINK - SAMPLER COPY

284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Laboratory Certification

Certified By	License No.
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255425
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	TX-C25-00189
Virginia	460312

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q3095 AECO15
Client Name : AECOM Technical Services
Client Contact : Eleanor Vivadou
Invoice Name : AECOM Technical Services
Invoice Contact : Eleanor Vivadou

Order Date : 9/12/2025 12:38:00 PM
Project Name : NAVFAC NWIRP Bethpage
Receive DateTime : 9/12/2025 5:20:00 PM
Purchase Order :

Project Mgr : Yazmeen
Report Type : ~~Results Only~~ NYS ASP B
EDD Type : EQUIS
Hard Copy Date :
Date Signoff : 9/15/2025 10:00:04 AM

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q3095-01	MW~~30S1~~-20250908 305I	Water	09/08/2025	15:05	VOCMS Group1		8260-Low		10 Bus. Days
Q3095-02	MW179D-20250908	Water	09/08/2025	15:38	VOCMS Group1		8260-Low		10 Bus. Days
Q3095-03	MW201D-20250908	Water	09/08/2025	16:00	VOCMS Group1		8260-Low		10 Bus. Days
Q3095-04	MW179D1-20250908	Water	09/08/2025	16:30	VOCMS Group1		8260-Low		10 Bus. Days
Q3095-05	MW203D2-20250909	Water	09/09/2025	10:20	VOCMS Group1		8260-Low		10 Bus. Days
Q3095-06	Q3095-05MS	Water	09/09/2025	10:20	VOCMS Group1		8260-Low		10 Bus. Days
Q3095-07	Q3095-05MSD	Water	09/09/2025	10:20	VOCMS Group1		8260-Low		10 Bus. Days
Q3095-08	MW203D1-20250909	Water	09/09/2025	10:30					

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q3095 AECO15
Client Name : AECOM Technical Service
Client Contact : Eleanor Vivadou
Invoice Name : AECOM Technical Service
Invoice Contact : Eleanor Vivadou

Order Date : 9/12/2025 12:38:00 PM
Project Name : NAVFAC NWIRP Bethpag
Receive DateTime : 9/12/2025 5:20:00 PM
Purchase Order :

Project Mgr : Yazmeen
Report Type : ~~Results Only~~ NYS ASP B
EDD Type : EQUIS
Hard Copy Date :
Date Signoff : 9/15/2025 10:00:04 AM

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
					VOCMS Group1		8260-Low		10 Bus. Days
Q3095-09	MW179D2-20250909	Water	09/09/2025	10:12					
					VOCMS Group1		8260-Low		10 Bus. Days
Q3095-10	MW201D1-20250909	Water	09/09/2025	10:45					
					VOCMS Group1		8260-Low		10 Bus. Days
Q3095-11	RE122D1-20250909	Water	09/09/2025	13:00					
					VOCMS Group1		8260-Low		10 Bus. Days
Q3095-12	MW202D-20250909	Water	09/09/2025	11:12					
					VOCMS Group1		8260-Low		10 Bus. Days
Q3095-13	MW178I1-20250909	Water	09/09/2025	13:00					
					VOCMS Group1		8260-Low		10 Bus. Days
Q3095-14	RE123D1-20250909	Water	09/09/2025	13:40					
					VOCMS Group1		8260-Low		10 Bus. Days
Q3095-15	RE123D3-20250909	Water	09/09/2025	13:55					
					VOCMS Group1		8260-Low		10 Bus. Days

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q3095 AECO15
Client Name : AECOM Technical Service
Client Contact : Eleanor Vivadou
Invoice Name : AECOM Technical Service
Invoice Contact : Eleanor Vivadou

Order Date : 9/12/2025 12:38:00 PM
Project Name : NAVFAC NWIRP Bethpage
Receive DateTime : 9/12/2025 5:20:00 PM
Purchase Order :

Project Mgr : Yazmeen
Report Type : ~~Results Only~~ NYS ASP B
EDD Type : EQUIS
Hard Copy Date :
Date Signoff : 9/15/2025 10:00:04 AM

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q3095-16	MW305D-20250909	Water	09/09/2025	11:55					
					VOCMS Group1		8260-Low		10 Bus. Days
Q3095-17	DUP01-20250909	Water	09/09/2025	12:35					
					VOCMS Group1		8260-Low		10 Bus. Days
Q3095-18	RE126D2-20250909	Water	09/09/2025	14:42					
					VOCMS Group1		8260-Low		10 Bus. Days
Q3095-19	RE126D3-20250909	Water	09/09/2025	15:40					
					VOCMS Group1		8260-Low		10 Bus. Days
Q3095-20	MW178S-20250910	Water	09/10/2025	09:47					
					VOCMS Group1		8260-Low		10 Bus. Days
Q3095-21	RE126D1-20250910	Water	09/10/2025	10:10					
					VOCMS Group1		8260-Low		10 Bus. Days
Q3095-22	MW202D1-20250910	Water	09/10/2025	10:10					
					VOCMS Group1		8260-Low		10 Bus. Days
Q3095-23	RE104D2-20250910	Water	09/10/2025	10:45					

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q3095 AECO15
Client Name : AECOM Technical Services
Client Contact : Eleanor Vivadou
Invoice Name : AECOM Technical Services
Invoice Contact : Eleanor Vivadou

Order Date : 9/12/2025 12:38:00 PM
Project Name : NAVFAC NWIRP Bethpage
Receive DateTime : 9/12/2025 5:20:00 PM
Purchase Order :

Project Mgr : Yazmeen
Report Type : ~~Results Only~~ NYS ASP B
EDD Type : EQUIS
Hard Copy Date :
Date Signoff : 9/15/2025 10:00:04 AM

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
					VOCMS Group1		8260-Low	10 Bus. Days	
Q3095-24	MW178I-20250910	Water	09/10/2025	10:52					
					VOCMS Group1		8260-Low	10 Bus. Days	
Q3095-25	DUP02-20250910	Water	09/10/2025	13:15					
					VOCMS Group1		8260-Low	10 Bus. Days	
Q3095-26	~~DUP0-20250910~~ DUP03-20250910	Water	09/10/2025	10:35					
					VOCMS Group1		8260-Low	10 Bus. Days	
Q3095-27	RE117D1-20250910	Water	09/10/2025	13:00					
					VOCMS Group1		8260-Low	10 Bus. Days	
Q3095-28	RE104D3-20250910	Water	09/10/2025	13:05					
					VOCMS Group1		8260-Low	10 Bus. Days	
Q3095-29	RE122D2-20250910	Water	09/10/2025	13:15					
					VOCMS Group1		8260-Low	10 Bus. Days	
Q3095-30	RE104D1-20250910	Water	09/10/2025	11:15					
					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 : Q3095 AECO15
Client Name : AECOM Technical Service
Client Contact : Eleanor Vivadou
Invoice Name : AECOM Technical Service
Invoice Contact : Eleanor Vivadou

Order Date : 9/12/2025 12:38:00 PM
Project Name : NAVFAC NWIRP Bethpage
Receive DateTime : 9/12/2025 5:20:00 PM
Purchase Order :

Project Mgr : Yazmeen
Report Type : ~~Results Only~~ NYS ASP B
EDD Type : EQUIS
Hard Copy Date :
Date Signoff : 9/15/2025 10:00:04 AM

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q3095-31	TT180D-20250911	Water	09/11/2025	09:40					
					VOCMS Group1		8260-Low		10 Bus. Days
Q3095-32	RE122D3-20250911	Water	09/11/2025	10:10					
					VOCMS Group1		8260-Low		10 Bus. Days
Q3095-33	TB01-20250911	Water	09/11/2025	00:00					
					VOCMS Group1		8260-Low		10 Bus. Days
Q3095-34	TB02-20250911	Water	09/11/2025	00:00					
					VOCMS Group1		8260-Low		10 Bus. Days

Relinguished By :
Date / Time : 9/15/25 1250

Received By :
Date / Time : 09/15/25 12:50
Storage Area : VOA Refridgerator Room

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047585.D
Acq On : 16 Sep 2025 09:23
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Quant Time: Sep 22 01:44:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.537	168	246348	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	6.745	114	451502	50.000	ug/l		0.00
63) Chlorobenzene-d5	10.037	117	410953	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	201976	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	5.934	65	41500	10.583	ug/l		0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 21.160%#				
35) Dibromofluoromethane	5.367	113	31188	10.300	ug/l		0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 20.600%#				
50) Toluene-d8	8.628	98	103865	9.913	ug/l		0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 19.820%#				
62) 4-Bromofluorobenzene	11.061	95	47321	11.900	ug/l		0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 23.800%#				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.179	85	2201	0.863	ug/l		96
3) Chloromethane	1.300	50	3006	0.897	ug/l	#	82
4) Vinyl Chloride	1.386	62	2818	0.859	ug/l		95
5) Bromomethane	1.624	94	2304	1.107	ug/l		99
6) Chloroethane	1.697	64	2134	0.973	ug/l		95
7) Trichlorofluoromethane	1.898	101	4261	0.874	ug/l		88
8) Diethyl Ether	2.130	74	1831	0.919	ug/l		98
9) 1,1,2-Trichlorotrifluo...	2.337	101	2555	0.897	ug/l		93
10) Methyl Iodide	2.459	142	3509	0.790	ug/l	#	86
11) Tert butyl alcohol	2.934	59	1850	4.236	ug/l	#	72
12) 1,1-Dichloroethene	2.325	96	2594	0.886	ug/l	#	80
13) Acrolein	2.239	56	1440	3.578	ug/l	#	65
14) Allyl chloride	2.666	41	5885	0.974	ug/l		94
15) Acrylonitrile	3.062	53	6500	4.018	ug/l		97
16) Acetone	2.380	43	8444	4.953	ug/l		99
17) Carbon Disulfide	2.520	76	7662	0.956	ug/l	#	91
18) Methyl Acetate	2.703	43	3013	0.794	ug/l		98
19) Methyl tert-butyl Ether	3.111	73	9281	0.869	ug/l	#	89
20) Methylene Chloride	2.788	84	3540	0.981	ug/l		93
21) trans-1,2-Dichloroethene	3.099	96	2676	0.849	ug/l		95
22) Diisopropyl ether	3.751	45	9738	0.832	ug/l	#	87
23) Vinyl Acetate	3.715	43	37962	4.052	ug/l		97
24) 1,1-Dichloroethane	3.611	63	5372	0.863	ug/l		95
25) 2-Butanone	4.550	43	9105	4.281	ug/l	#	83
26) 2,2-Dichloropropane	4.477	77	4657	0.901	ug/l		77
27) cis-1,2-Dichloroethene	4.477	96	3440	0.891	ug/l		96
28) Bromochloromethane	4.879	49	2251	0.829	ug/l	#	93
29) Tetrahydrofuran	4.995	42	5210	4.072	ug/l		98
30) Chloroform	5.074	83	5093	0.810	ug/l		86
31) Cyclohexane	5.458	56	4668	0.901	ug/l		90
32) 1,1,1-Trichloroethane	5.373	97	4439	0.832	ug/l	#	47
36) 1,1-Dichloropropene	5.672	75	4373	0.988	ug/l	#	69
37) Ethyl Acetate	4.702	43	3873	0.818	ug/l	#	91
38) Carbon Tetrachloride	5.659	117	4349	0.905	ug/l		95
39) Methylcyclohexane	7.360	83	4428	0.882	ug/l		94
40) Benzene	6.025	78	12012	0.894	ug/l		98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047585.D
Acq On : 16 Sep 2025 09:23
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Quant Time: Sep 22 01:44:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.903	41	2128	0.870	ug/l	#	63
42) 1,2-Dichloroethane	6.062	62	4634	0.906	ug/l		80
43) Isopropyl Acetate	6.318	43	6784	0.873	ug/l		94
44) Trichloroethene	7.110	130	2677	0.824	ug/l		78
45) 1,2-Dichloropropane	7.415	63	2945	0.856	ug/l		100
46) Dibromomethane	7.574	93	2240	0.895	ug/l		94
47) Bromodichloromethane	7.805	83	4167	0.806	ug/l	#	92
48) Methyl methacrylate	7.683	41	3355	0.867	ug/l	#	87
49) 1,4-Dioxane	7.653	88	404	10.329	ug/l	#	52
51) 4-Methyl-2-Pentanone	8.555	43	17596	4.085	ug/l		95
52) Toluene	8.708	92	7595	0.917	ug/l		92
53) t-1,3-Dichloropropene	8.964	75	4398	0.834	ug/l	#	82
54) cis-1,3-Dichloropropene	8.354	75	4635	0.823	ug/l	#	76
55) 1,1,2-Trichloroethane	9.134	97	2918	0.914	ug/l		95
56) Ethyl methacrylate	9.104	69	3679	0.734	ug/l	#	84
57) 1,3-Dichloropropane	9.293	76	4580	0.835	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.226	63	4222	9.665	ug/l		99
59) 2-Hexanone	9.415	43	12385	4.003	ug/l		98
60) Dibromochloromethane	9.506	129	2903	0.789	ug/l		87
61) 1,2-Dibromoethane	9.592	107	2596	0.798	ug/l		96
64) Tetrachloroethene	9.256	164	2457	0.917	ug/l		83
65) Chlorobenzene	10.061	112	8202	0.879	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.140	131	2684	0.833	ug/l	#	66
67) Ethyl Benzene	10.177	91	13360	0.829	ug/l		98
68) m/p-Xylenes	10.287	106	9922	1.655	ug/l		99
69) o-Xylene	10.622	106	4734	0.816	ug/l		94
70) Styrene	10.640	104	8377	0.824	ug/l		96
71) Bromoform	10.787	173	1816	0.755	ug/l	#	94
73) Isopropylbenzene	10.945	105	12618	0.822	ug/l		96
74) N-amyl acetate	10.829	43	5159	0.737	ug/l		98
75) 1,1,2,2-Tetrachloroethane	11.195	83	3900	0.839	ug/l		96
76) 1,2,3-Trichloropropane	11.225	75	4568	1.117	ug/l		80
77) Bromobenzene	11.183	156	3069	0.811	ug/l		98
78) n-propylbenzene	11.286	91	14866	0.819	ug/l		99
79) 2-Chlorotoluene	11.347	91	9195	0.827	ug/l		99
80) 1,3,5-Trimethylbenzene	11.433	105	9929	0.787	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.006	75	960	0.599	ug/l	#	95
82) 4-Chlorotoluene	11.439	91	11123	0.847	ug/l		95
83) tert-Butylbenzene	11.695	119	11311	0.876	ug/l		97
84) 1,2,4-Trimethylbenzene	11.731	105	10187	0.796	ug/l		100
85) sec-Butylbenzene	11.872	105	12561	0.819	ug/l		99
86) p-Isopropyltoluene	11.994	119	10744	0.827	ug/l		92
87) 1,3-Dichlorobenzene	11.951	146	5907	0.841	ug/l		98
88) 1,4-Dichlorobenzene	11.951	146	5907	0.819	ug/l		98
89) n-Butylbenzene	12.317	91	9811	0.816	ug/l		97
90) Hexachloroethane	12.524	117	1752	0.768	ug/l		97
91) 1,2-Dichlorobenzene	12.317	146	5491	0.820	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	12.926	75	698	0.742	ug/l		93
93) 1,2,4-Trichlorobenzene	13.567	180	3358	0.772	ug/l		95
94) Hexachlorobutadiene	13.707	225	1378	0.933	ug/l		93
95) Naphthalene	13.756	128	10112	0.763	ug/l		98
96) 1,2,3-Trichlorobenzene	13.944	180	3043	0.752	ug/l		98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047585.D
Acq On : 16 Sep 2025 09:23
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Quant Time: Sep 22 01:44:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

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

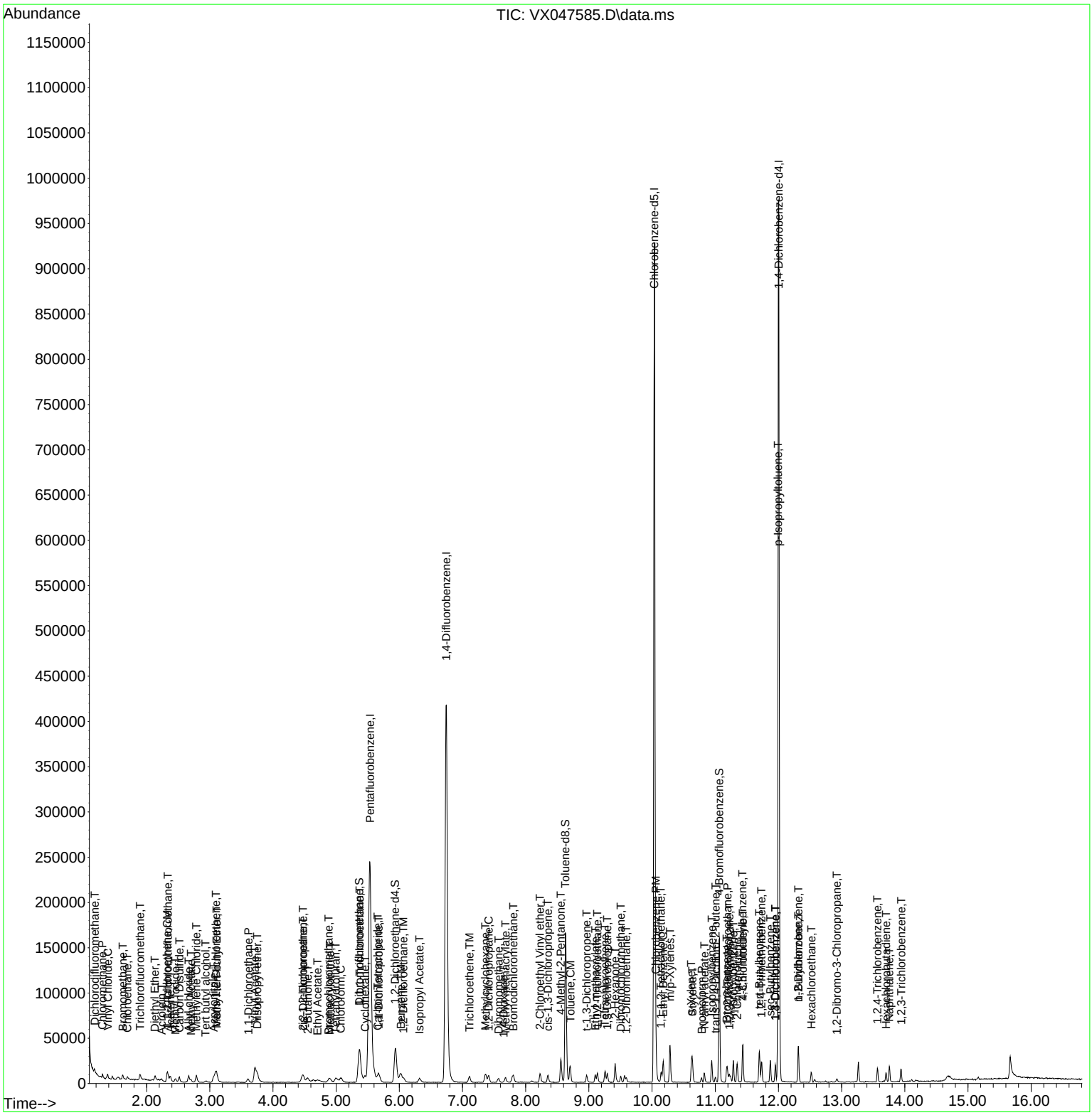
(#) = qualifier out of range (m) = manual integration (+) = signals summed

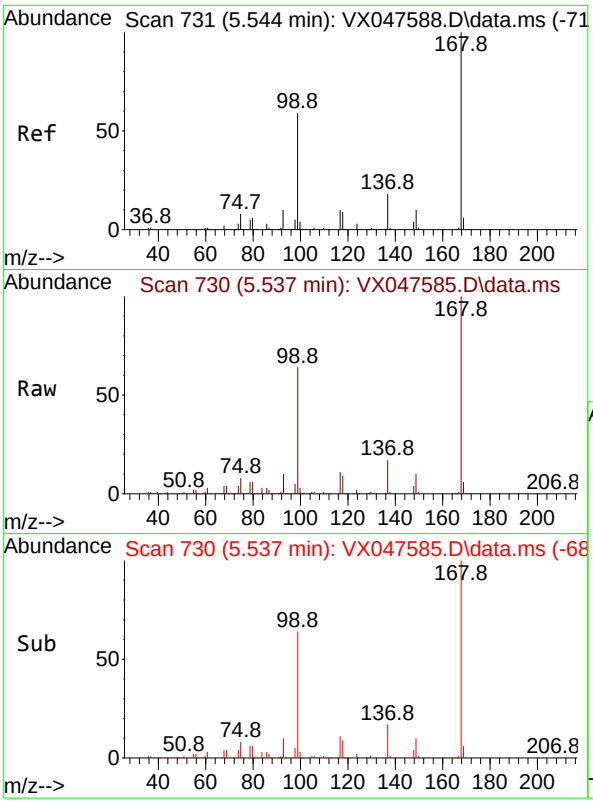
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047585.D
Acq On : 16 Sep 2025 09:23
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Quant Time: Sep 22 01:44:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



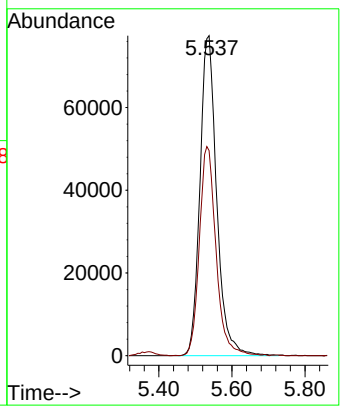


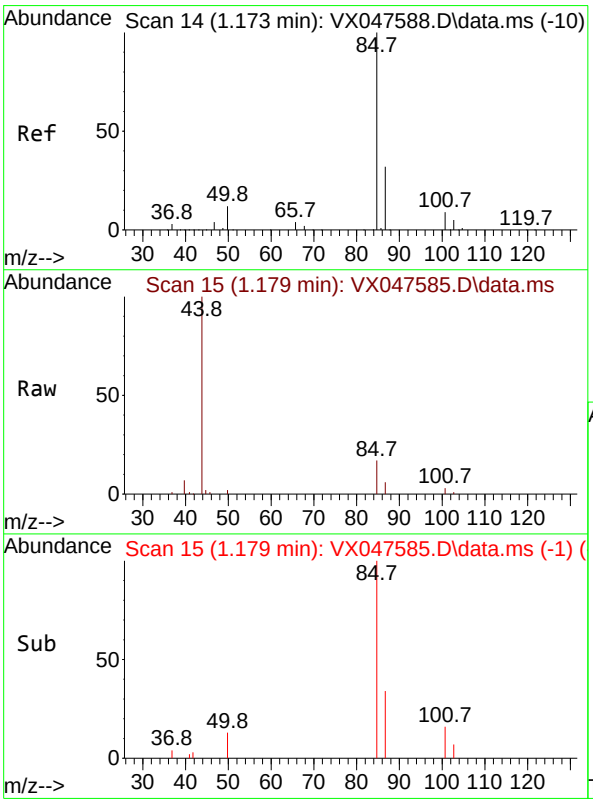
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.537 min Scan# 7
Delta R.T. -0.007 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:168 Resp: 246348

Ion	Ratio	Lower	Upper
168	100		
99	64.0	48.8	73.2

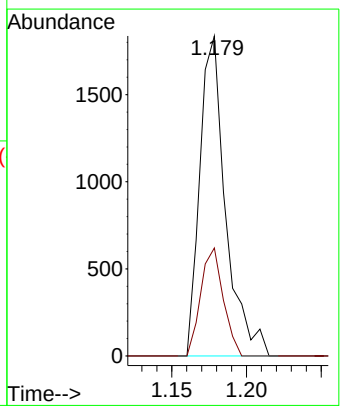


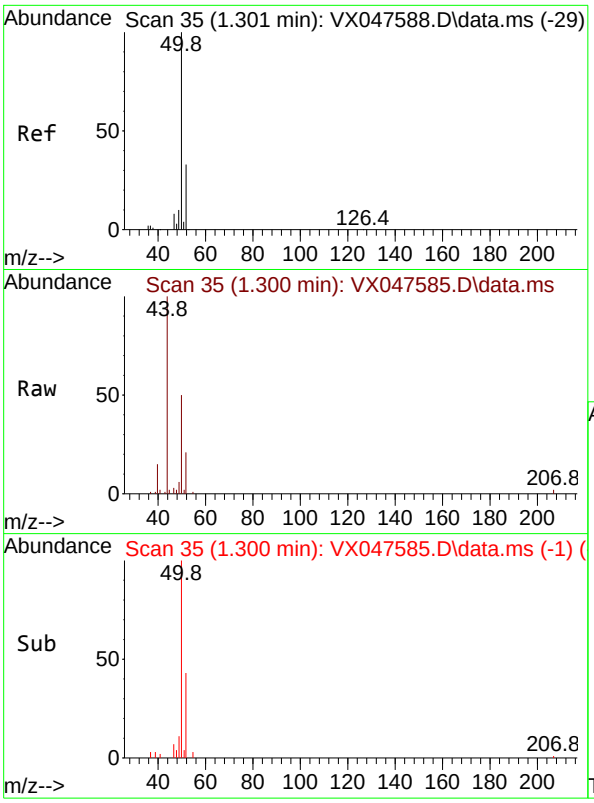


#2
Dichlorodifluoromethane
Concen: 0.863 ug/l
RT: 1.179 min Scan# 15
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 85 Resp: 2201

Ion	Ratio	Lower	Upper
85	100		
87	33.8	15.8	47.3



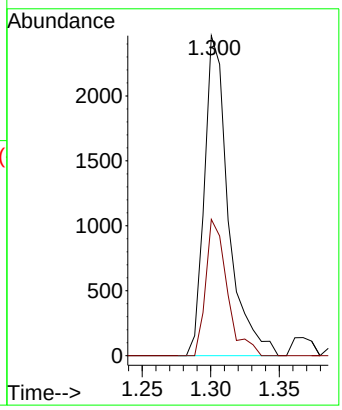


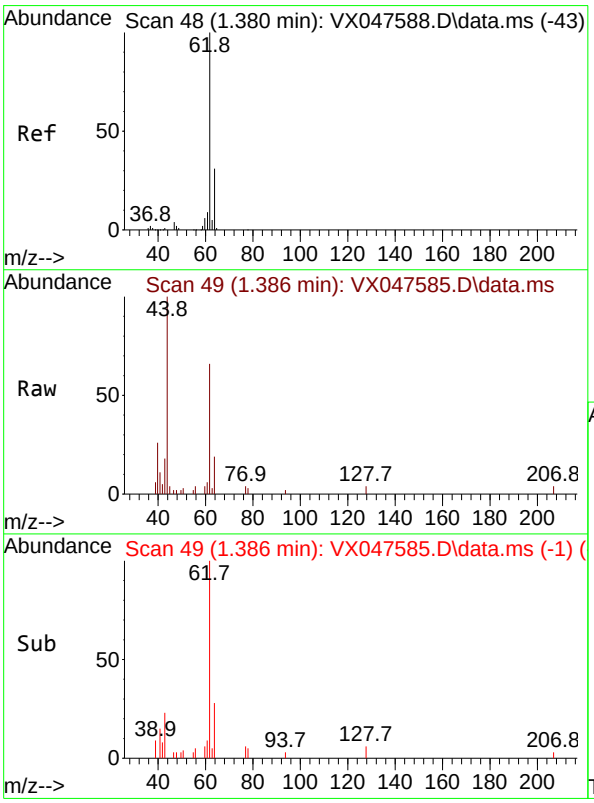
#3
Chloromethane
Concen: 0.897 ug/l
RT: 1.300 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 50 Resp: 3006

Ion	Ratio	Lower	Upper
50	100		
52	42.6	26.1	39.1#

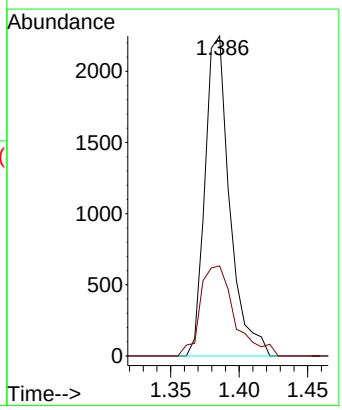


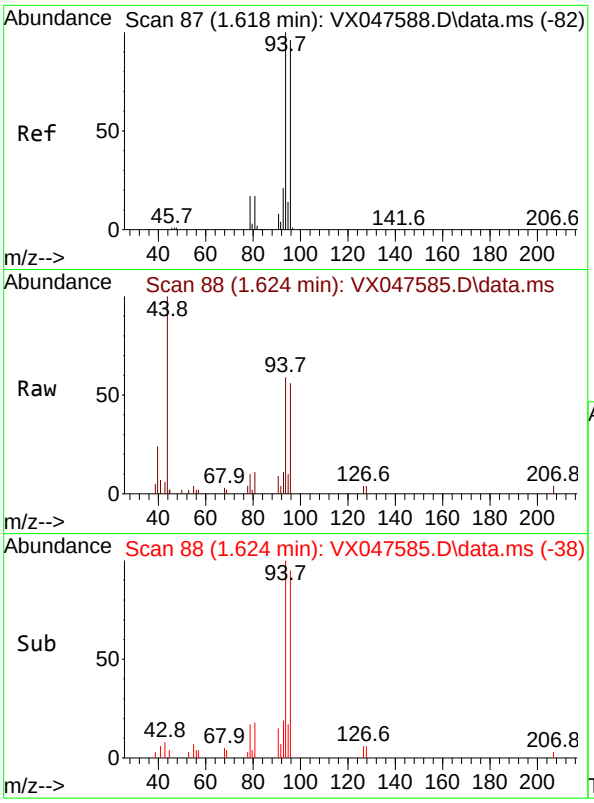


#4
Vinyl Chloride
Concen: 0.859 ug/l
RT: 1.386 min Scan# 49
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 62 Resp: 2818

Ion	Ratio	Lower	Upper
62	100		
64	28.2	24.9	37.3



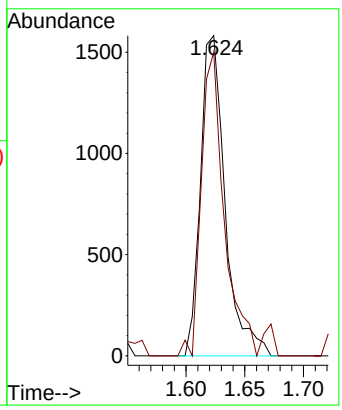


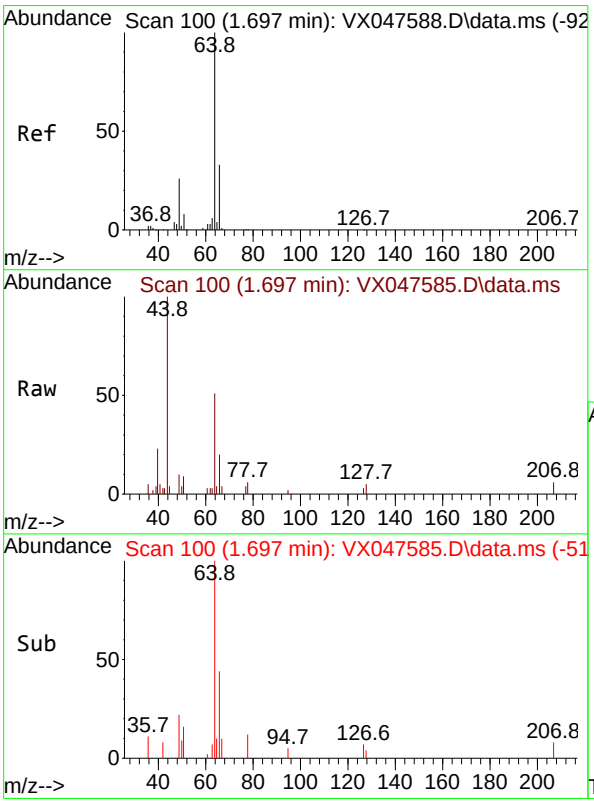
#5
Bromomethane
Concen: 1.107 ug/l
RT: 1.624 min Scan# 8
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 94 Resp: 2304

Ion	Ratio	Lower	Upper
94	100		
96	94.9	76.6	115.0

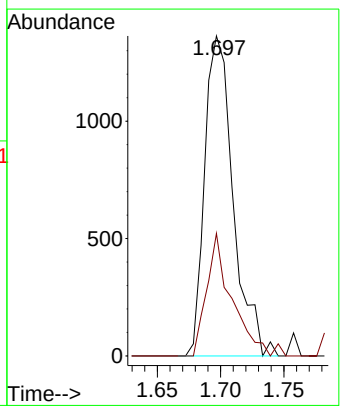


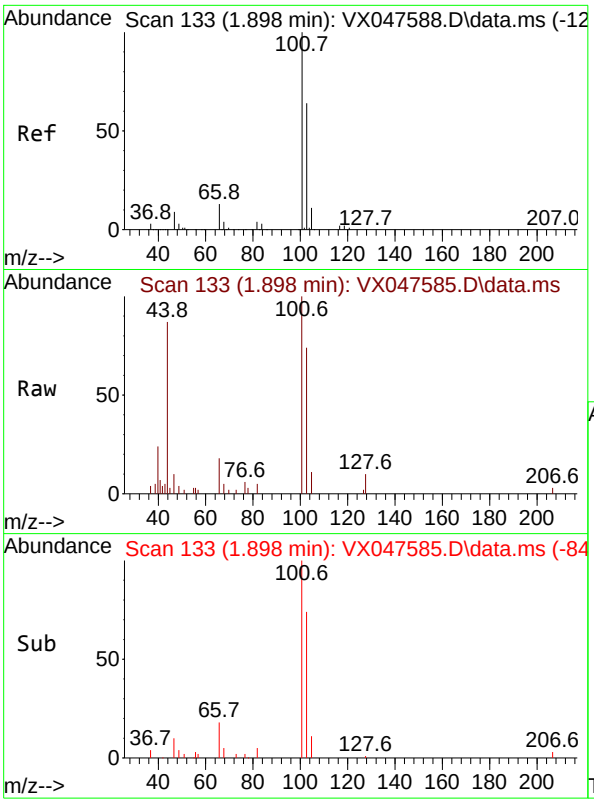


#6
Chloroethane
Concen: 0.973 ug/l
RT: 1.697 min Scan# 100
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 64 Resp: 2134

Ion	Ratio	Lower	Upper
64	100		
66	35.4	26.1	39.1



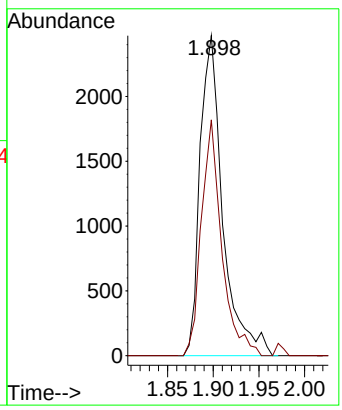


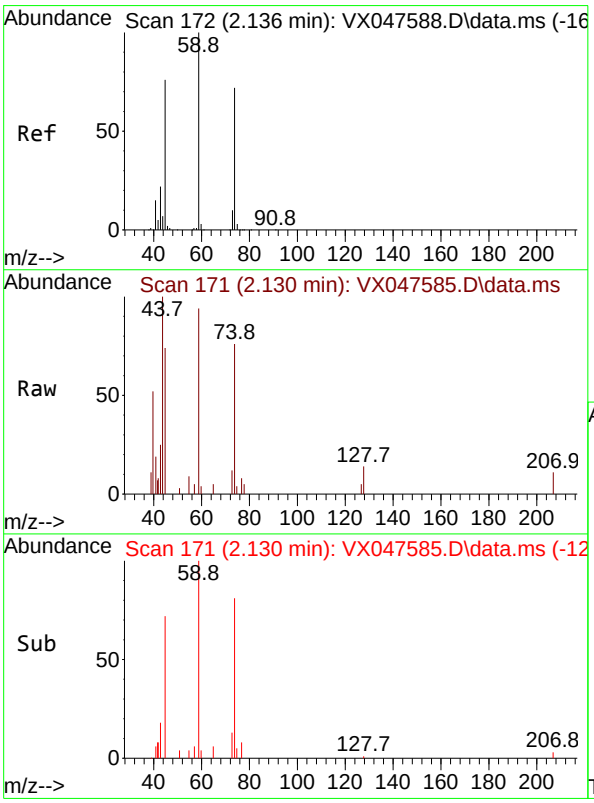
#7
Trichlorofluoromethane
Concen: 0.874 ug/l
RT: 1.898 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:101 Resp: 4261

Ion	Ratio	Lower	Upper
101	100		
103	73.7	51.4	77.2

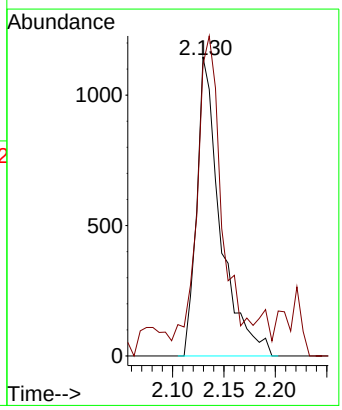


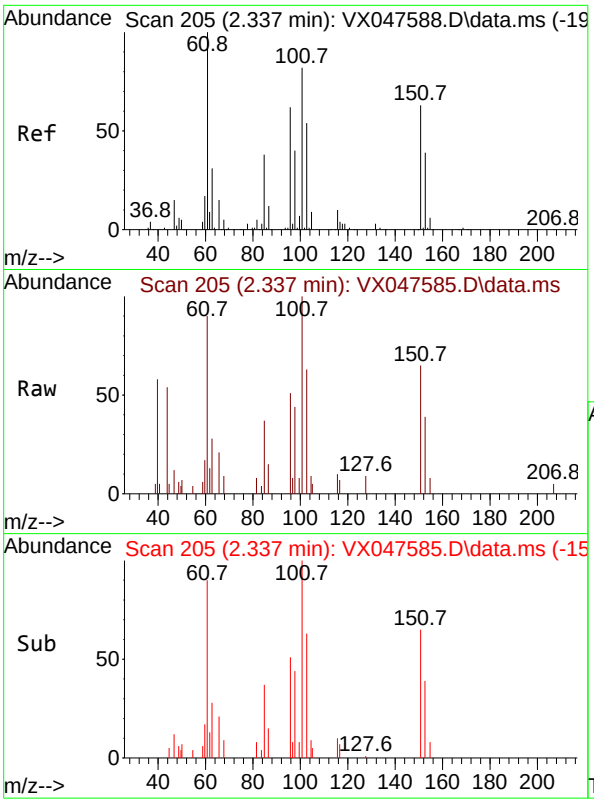


#8
Diethyl Ether
Concen: 0.919 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 74 Resp: 1831

Ion	Ratio	Lower	Upper
74	100		
45	102.2	52.3	156.8



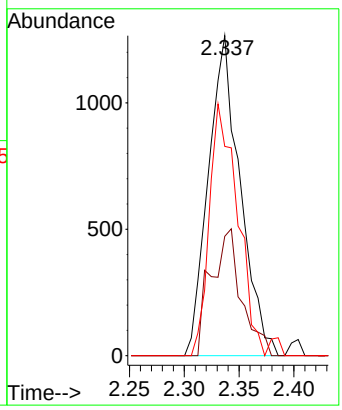


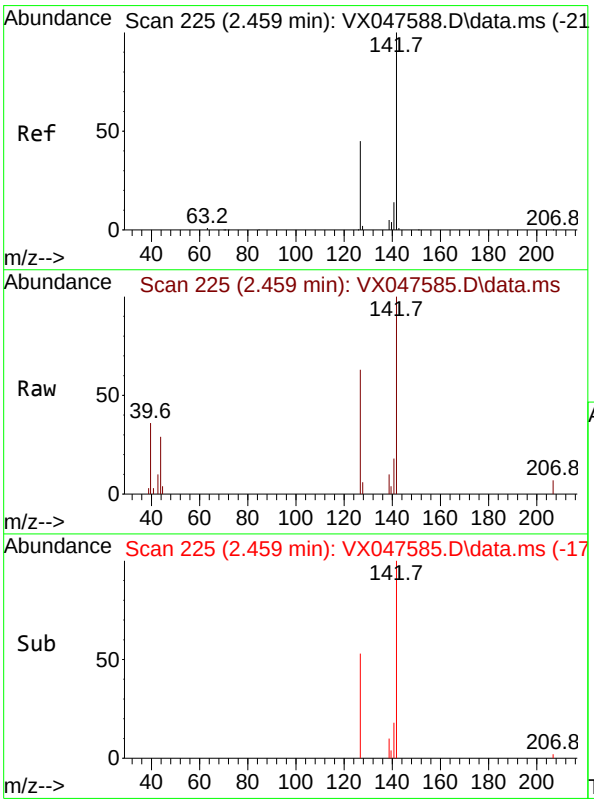
#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.897 ug/l
RT: 2.337 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:101 Resp: 2555

Ion	Ratio	Lower	Upper
101	100		
85	37.8	35.5	53.3
151	69.9	59.4	89.0

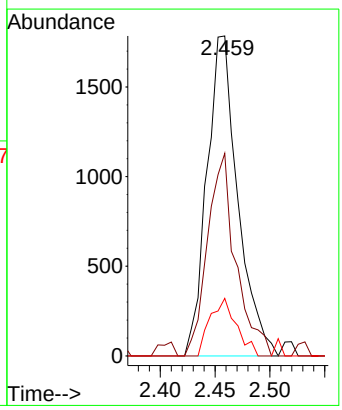


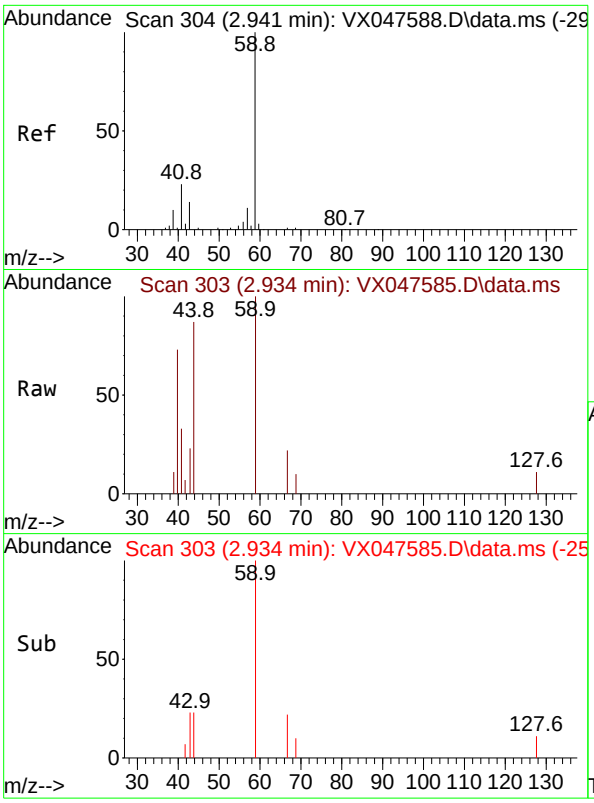


#10
Methyl Iodide
Concen: 0.790 ug/l
RT: 2.459 min Scan# 225
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:142 Resp: 3509

Ion	Ratio	Lower	Upper
142	100		
127	57.7	37.2	55.8#
141	15.3	11.4	17.0



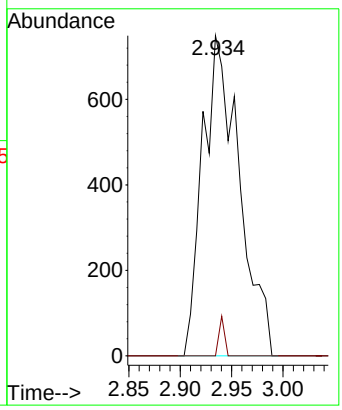


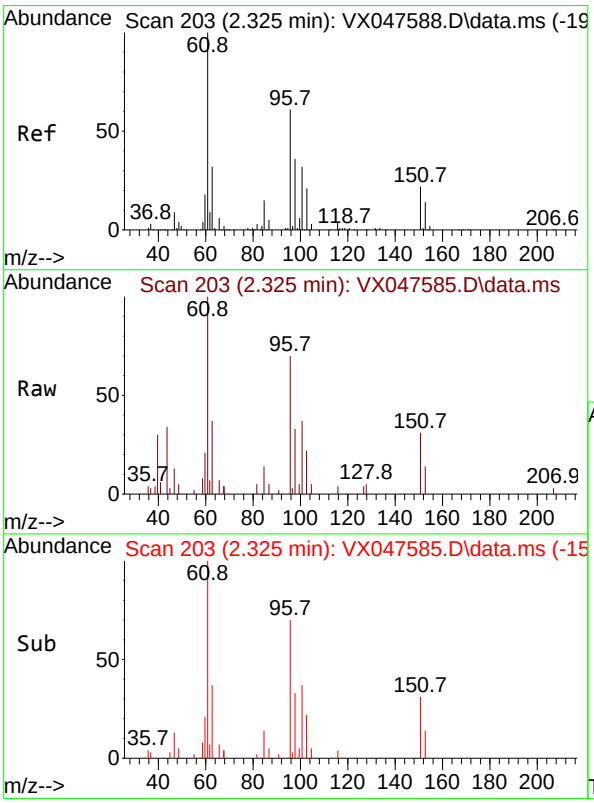
#11
Tert butyl alcohol
Concen: 4.236 ug/l
RT: 2.934 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 59 Resp: 1850

Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.3	12.5#

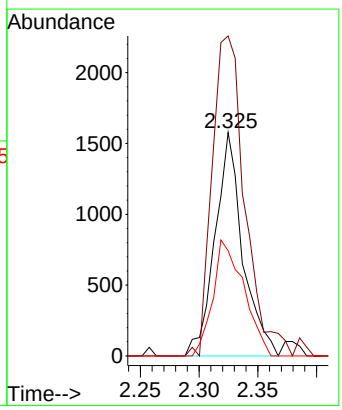


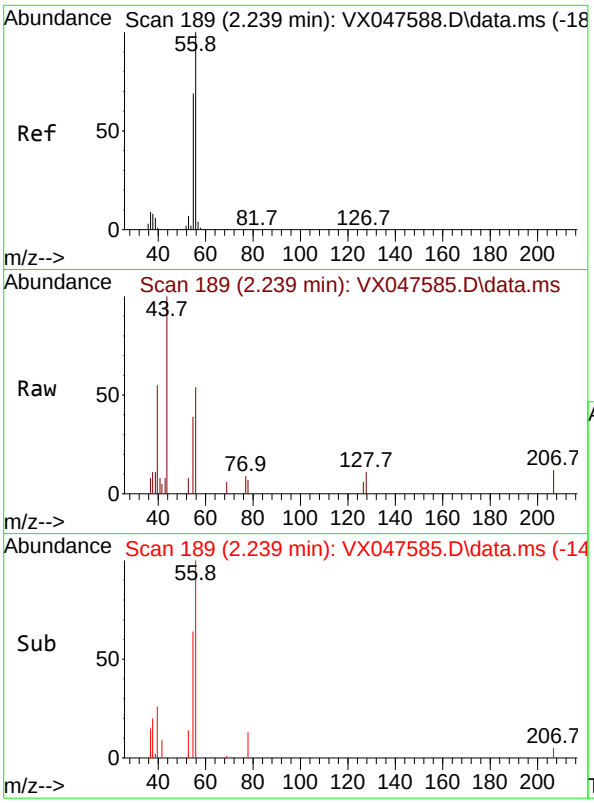


#12
1,1-Dichloroethene
Concen: 0.886 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 96 Resp: 2594

Ion	Ratio	Lower	Upper
96	100		
61	137.3	131.0	196.6
98	45.2	47.7	71.5#



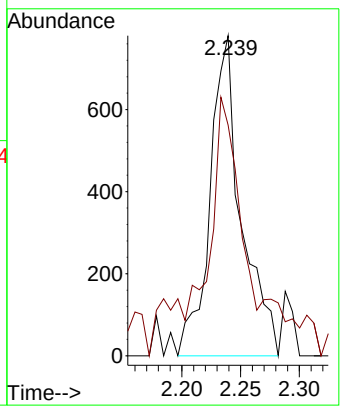


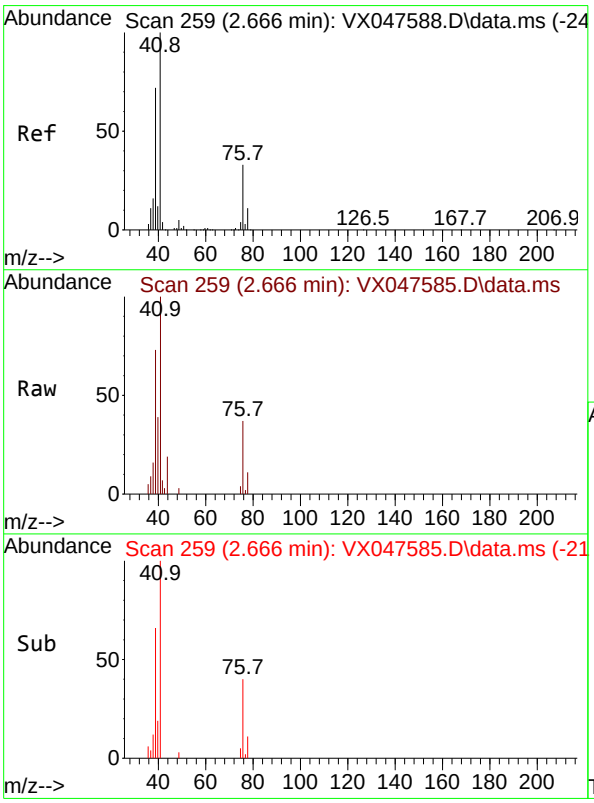
#13
Acrolein
Concen: 3.578 ug/l
RT: 2.239 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 56 Resp: 1440

Ion	Ratio	Lower	Upper
56	100		
55	100.3	57.2	85.8#

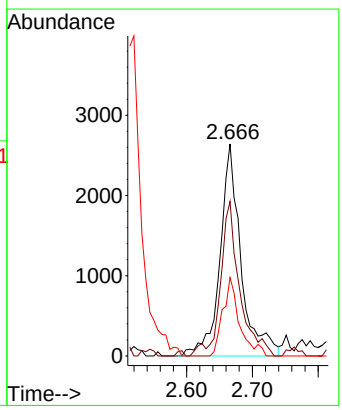


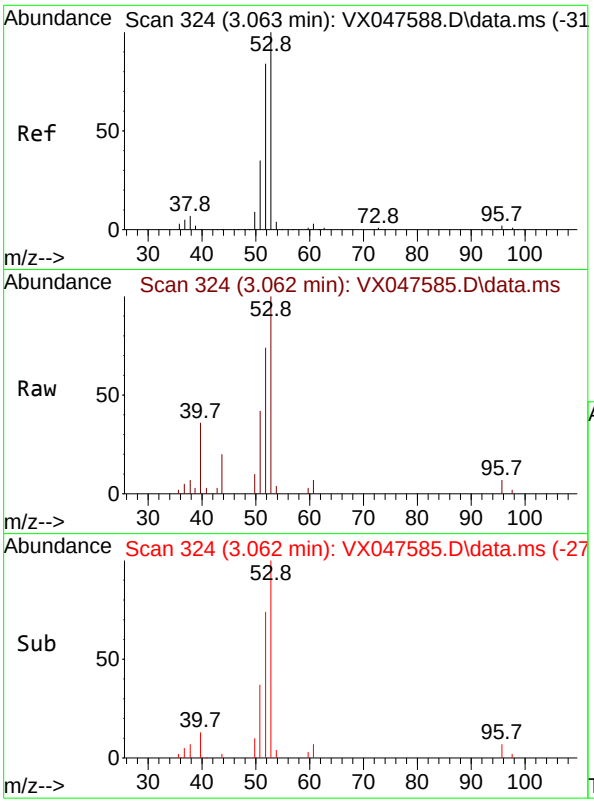


#14
Allyl chloride
Concen: 0.974 ug/l
RT: 2.666 min Scan# 259
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 41 Resp: 5885

Ion	Ratio	Lower	Upper
41	100		
39	63.3	54.7	82.1
76	29.3	25.7	38.5



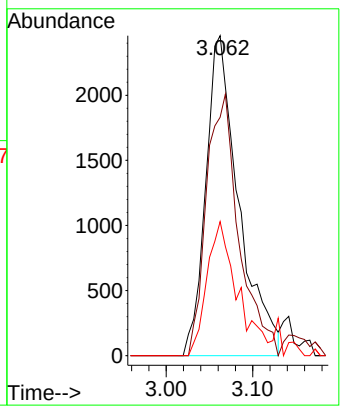


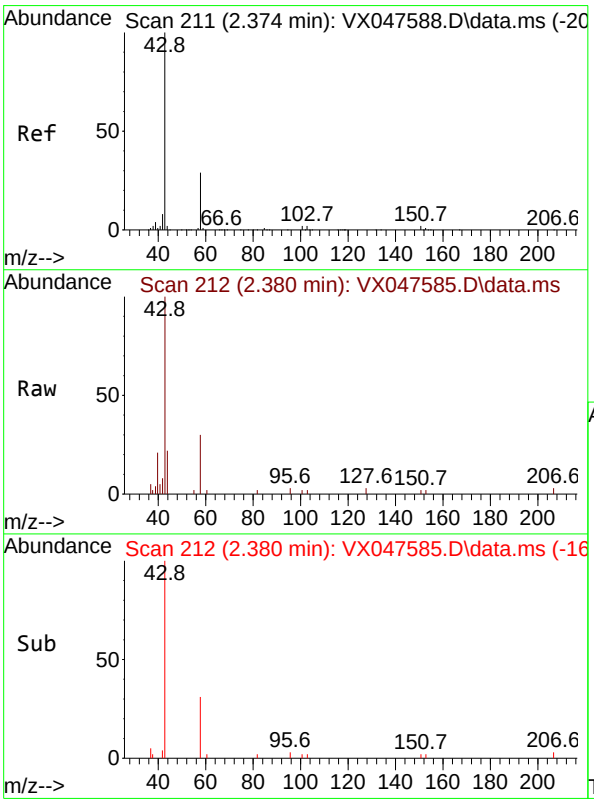
#15
Acrylonitrile
Concen: 4.018 ug/l
RT: 3.062 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 53 Resp: 6500

Ion	Ratio	Lower	Upper
53	100		
52	80.3	66.4	99.6
51	38.7	29.5	44.3

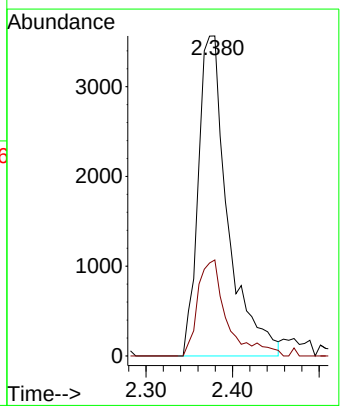


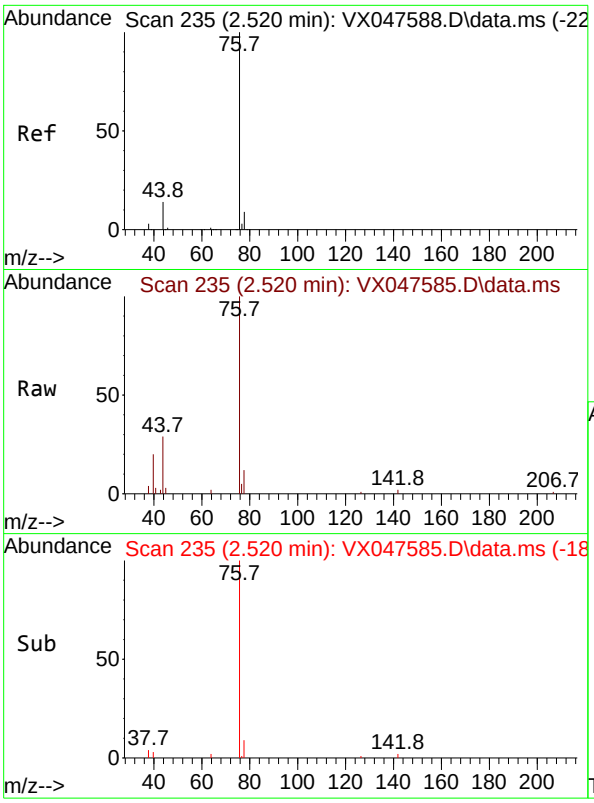


#16
Acetone
Concen: 4.953 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 43 Resp: 8444

Ion	Ratio	Lower	Upper
43	100		
58	30.0	23.4	35.0



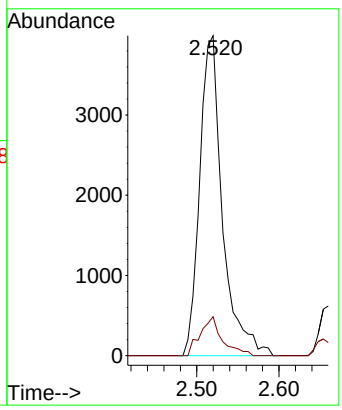


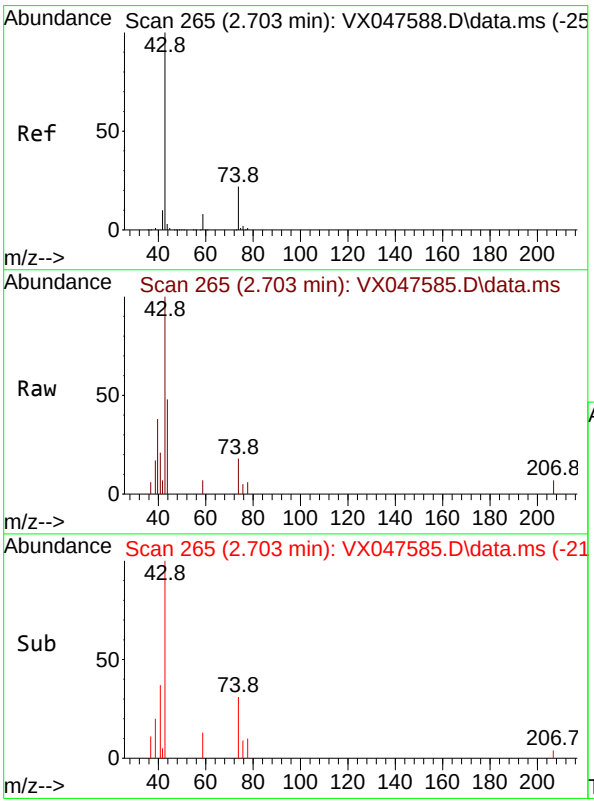
#17
Carbon Disulfide
Concen: 0.956 ug/l
RT: 2.520 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 76 Resp: 7662

Ion	Ratio	Lower	Upper
76	100		
78	11.6	6.8	10.2#

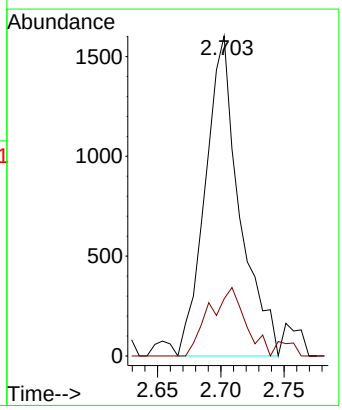


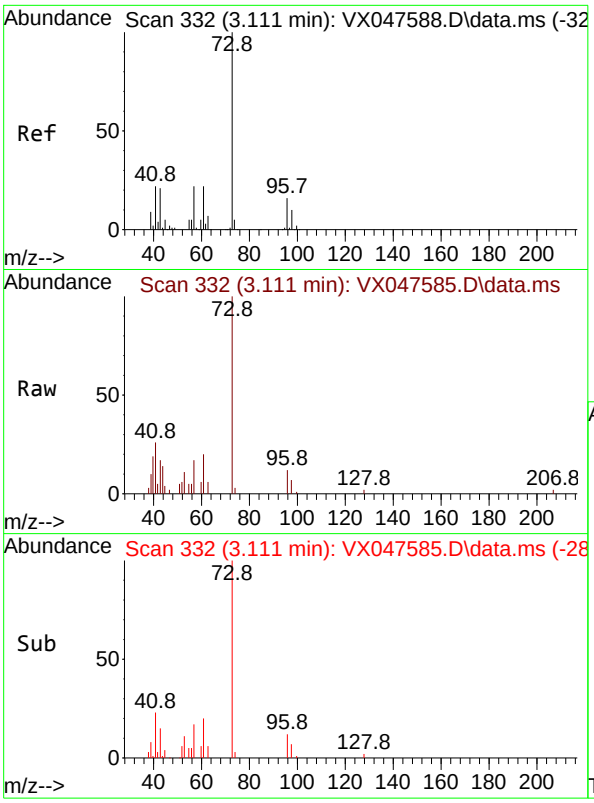


#18
Methyl Acetate
Concen: 0.794 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 43 Resp: 3013

Ion	Ratio	Lower	Upper
43	100		
74	22.7	17.4	26.2



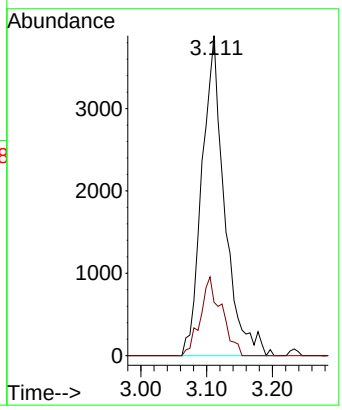


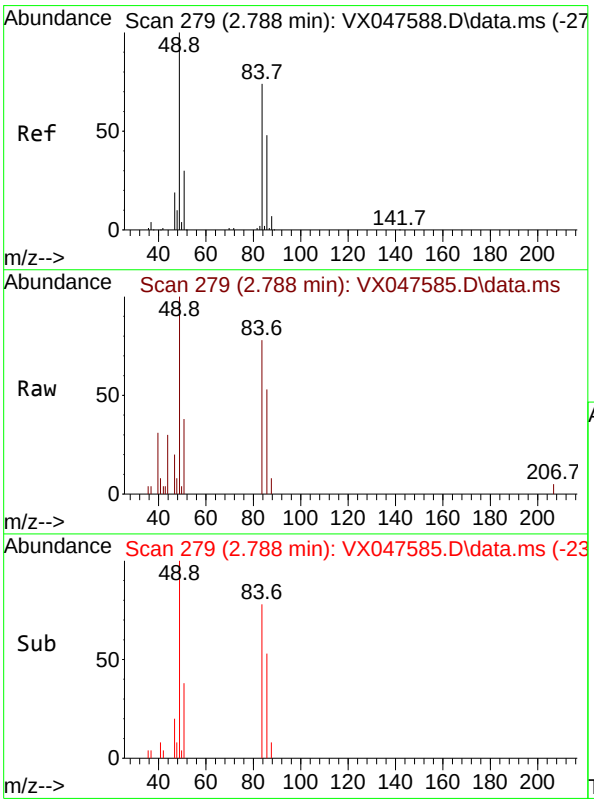
#19
Methyl tert-butyl Ether
Concen: 0.869 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 73 Resp: 9281

Ion	Ratio	Lower	Upper
73	100		
57	16.7	17.4	26.2#

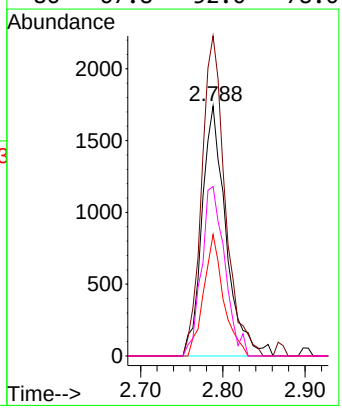


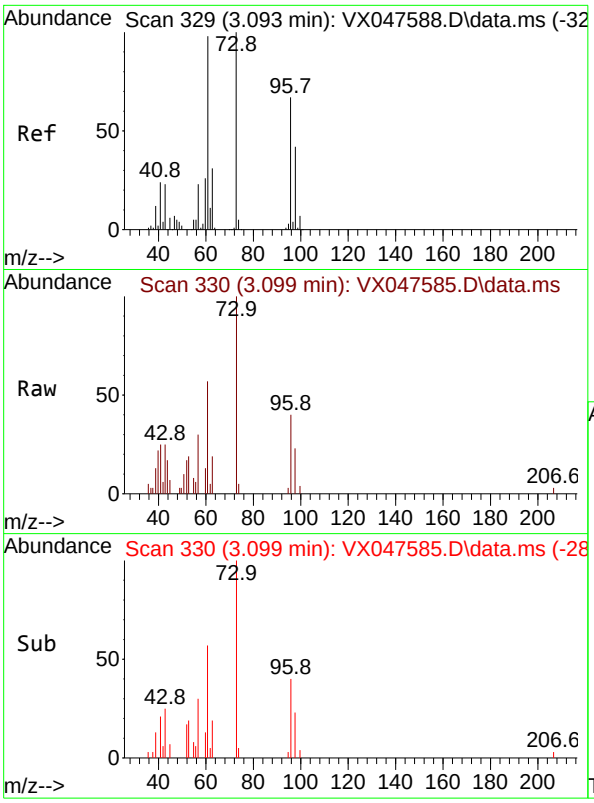


#20
Methylene Chloride
Concen: 0.981 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 84 Resp: 3540

Ion	Ratio	Lower	Upper
84	100		
49	128.0	108.6	162.8
51	48.6	32.6	48.8
86	67.8	52.0	78.0



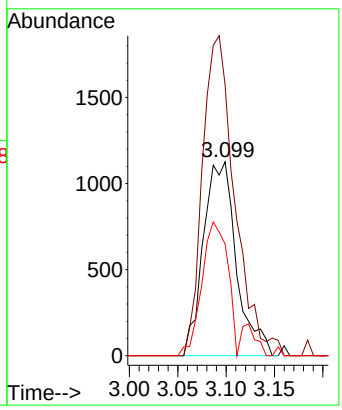


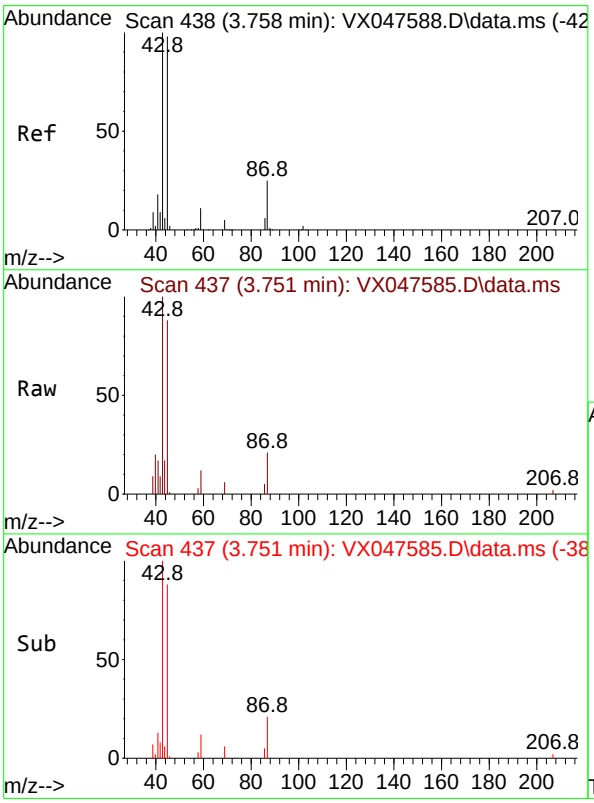
#21
trans-1,2-Dichloroethene
Concen: 0.849 ug/l
RT: 3.099 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 96 Resp: 2676

Ion	Ratio	Lower	Upper
96	100		
61	139.9	116.2	174.2
98	57.6	49.3	73.9

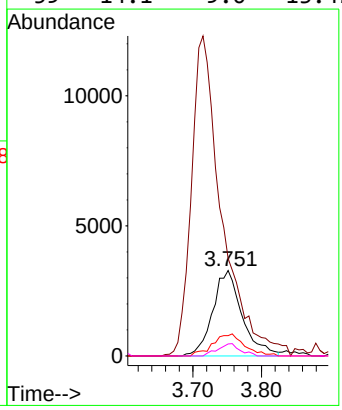


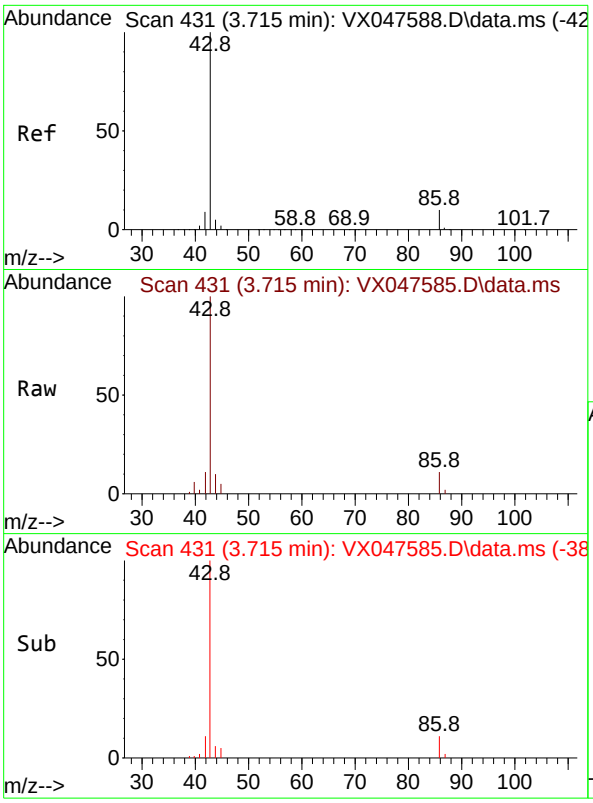


#22
Diisopropyl ether
Concen: 0.832 ug/l
RT: 3.751 min Scan# 437
Delta R.T. -0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 45 Resp: 9738

Ion	Ratio	Lower	Upper
45	100		
43	117.9	81.0	121.4
87	23.7	20.3	30.5
59	14.1	9.0	13.4#



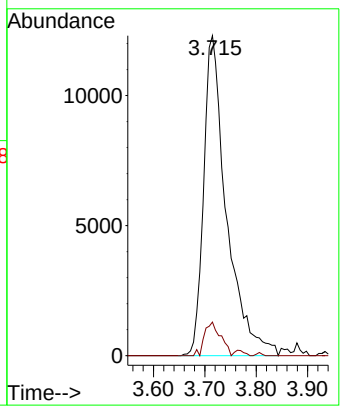


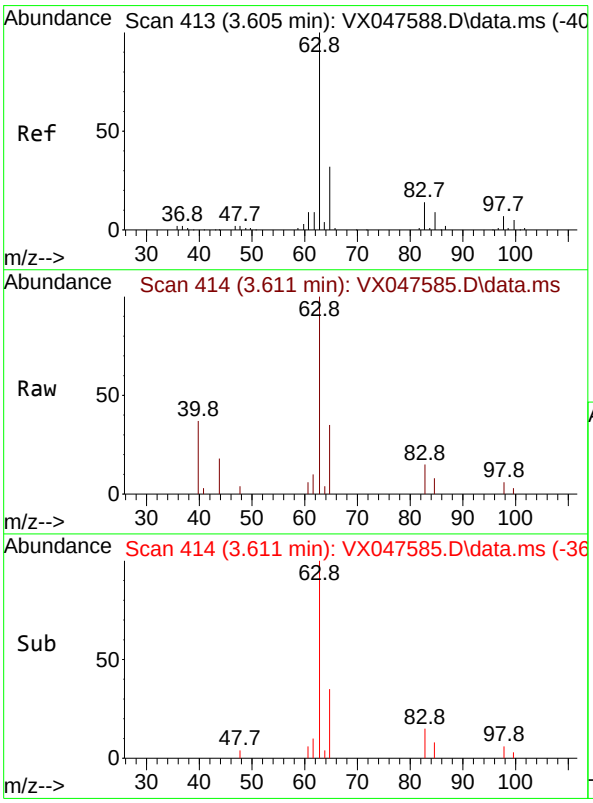
#23
Vinyl Acetate
Concen: 4.052 ug/l
RT: 3.715 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 37962

Ion	Ratio	Lower	Upper
43	100		
86	10.9	7.8	11.8

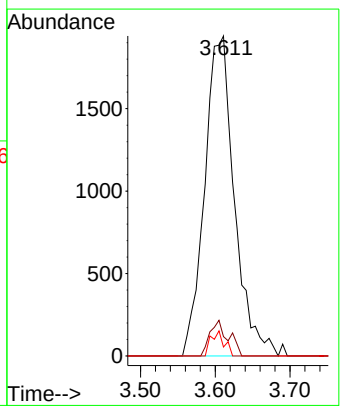


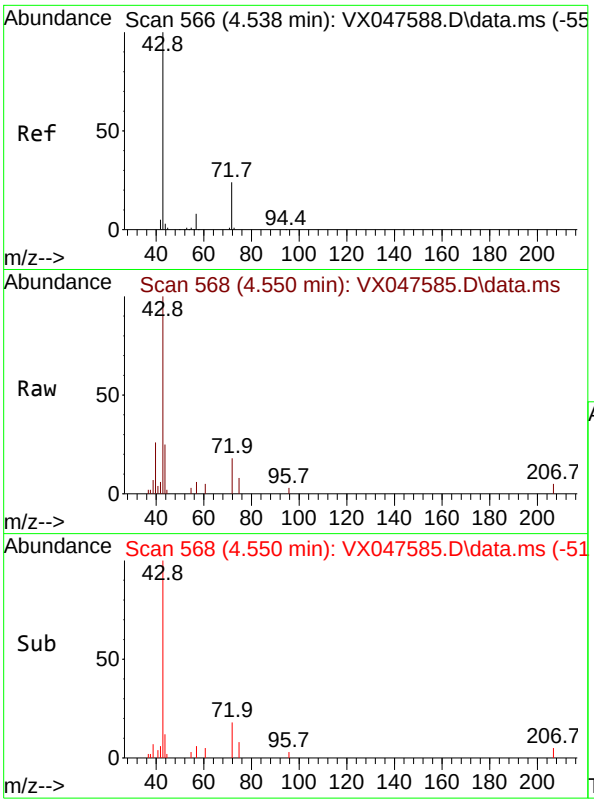


#24
1,1-Dichloroethane
Concen: 0.863 ug/l
RT: 3.611 min Scan# 414
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 63 Resp: 5372

Ion	Ratio	Lower	Upper
63	100		
98	6.1	3.8	11.2
100	2.8	2.3	6.9



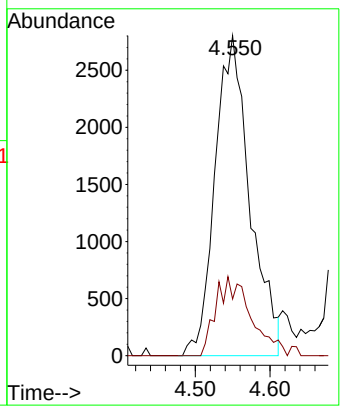


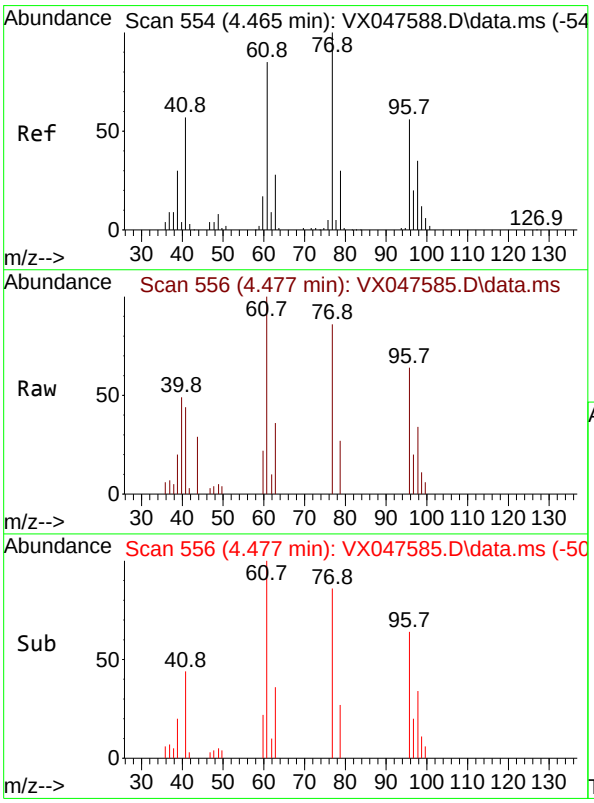
#25
2-Butanone
Concen: 4.281 ug/l
RT: 4.550 min Scan# 5
Delta R.T. 0.012 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 9105

Ion	Ratio	Lower	Upper
43	100		
72	16.3	20.1	30.1#

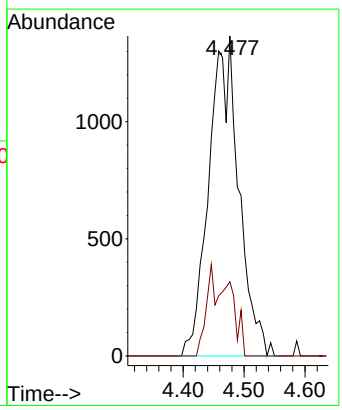


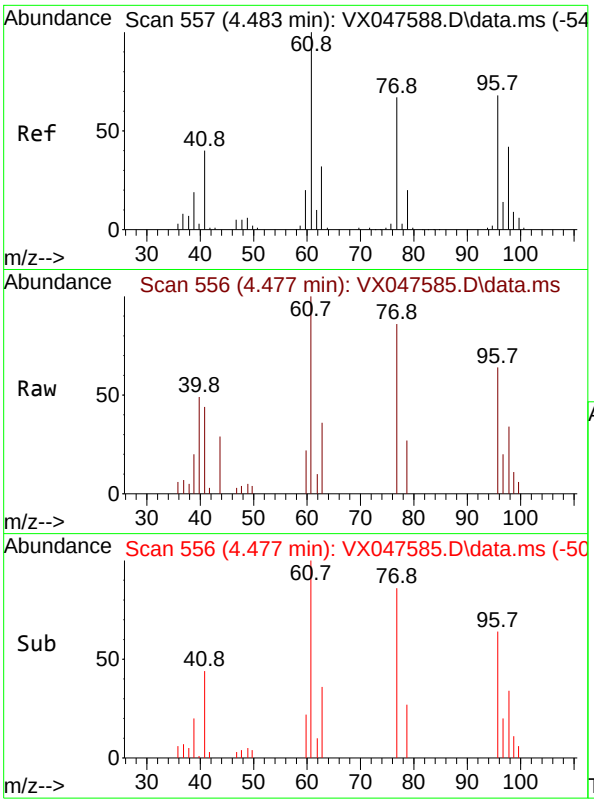


#26
2,2-Dichloropropane
Concen: 0.901 ug/l
RT: 4.477 min Scan# 556
Delta R.T. 0.012 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 77 Resp: 4657

Ion	Ratio	Lower	Upper
77	100		
97	11.0	10.9	32.7



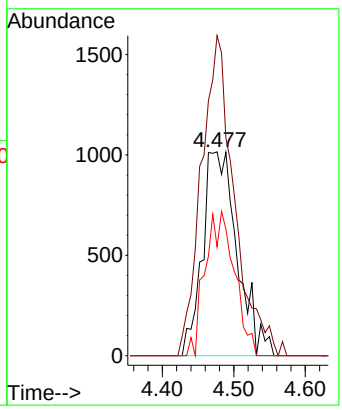


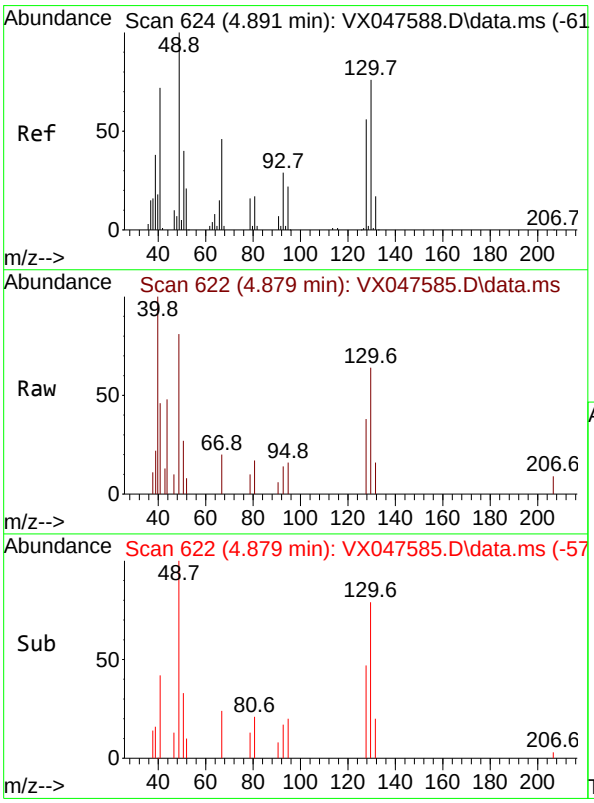
#27
cis-1,2-Dichloroethene
Concen: 0.891 ug/l
RT: 4.477 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 96 Resp: 3440

Ion	Ratio	Lower	Upper
96	100		
61	147.4	0.0	303.2
98	59.4	0.0	127.8

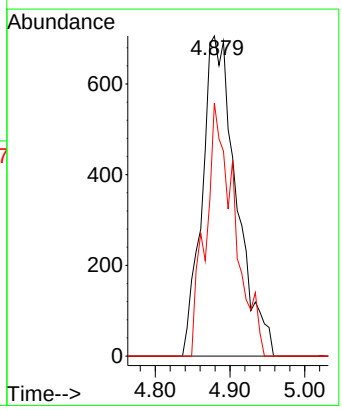


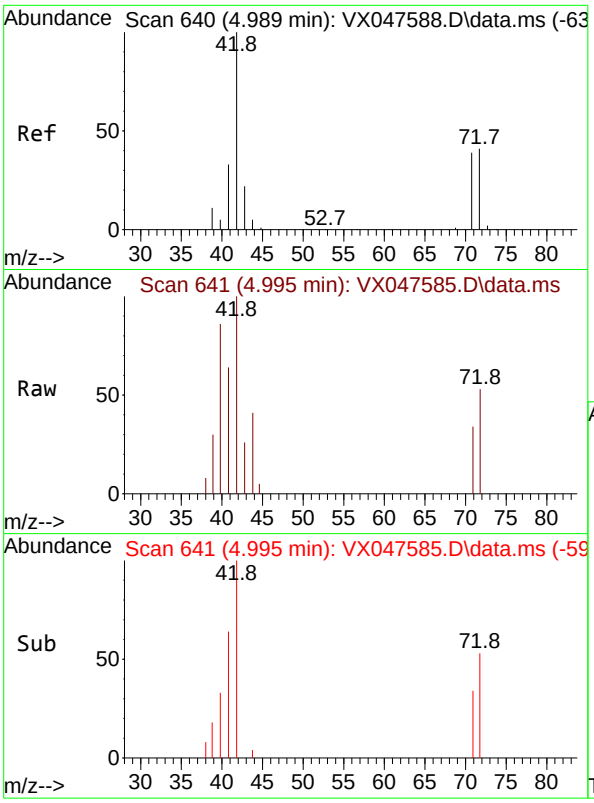


#28
Bromochloromethane
Concen: 0.829 ug/l
RT: 4.879 min Scan# 622
Delta R.T. -0.012 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 49 Resp: 2251

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.2
130	66.2	57.8	86.8



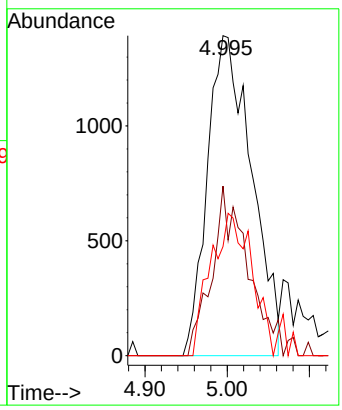


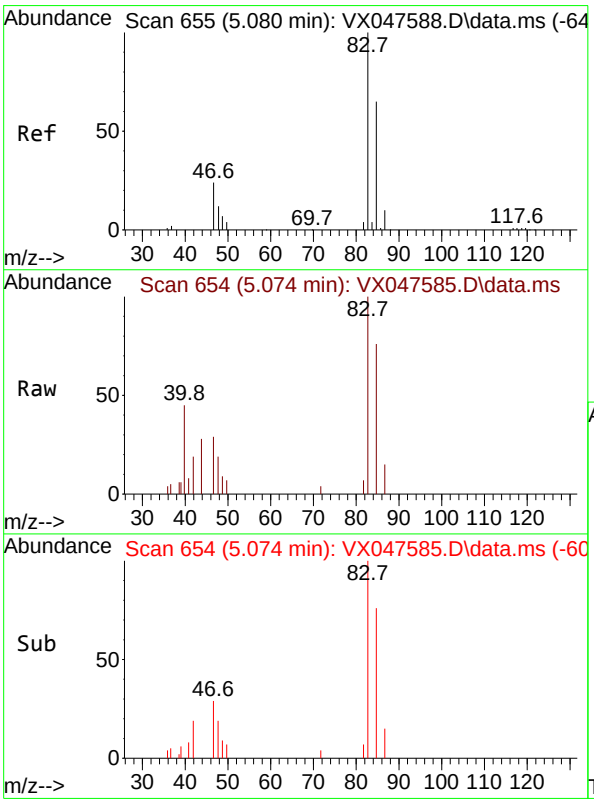
#29
Tetrahydrofuran
Concen: 4.072 ug/l
RT: 4.995 min Scan# 64
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 42 Resp: 5210

Ion	Ratio	Lower	Upper
42	100		
72	44.1	34.2	51.2
71	41.3	31.9	47.9

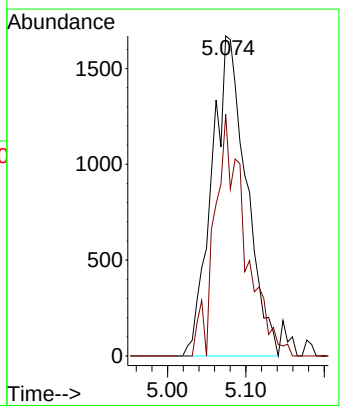


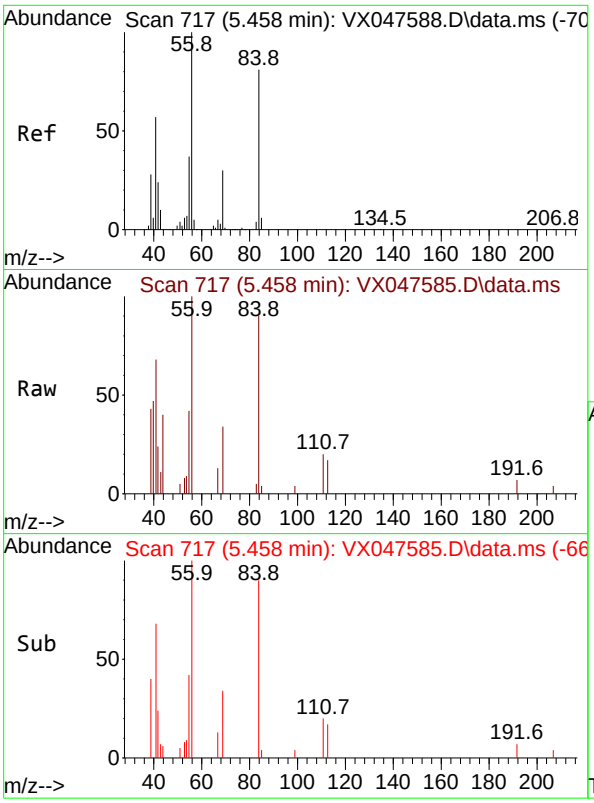


#30
Chloroform
Concen: 0.810 ug/l
RT: 5.074 min Scan# 654
Delta R.T. -0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 83 Resp: 5093

Ion	Ratio	Lower	Upper
83	100		
85	75.6	51.8	77.6



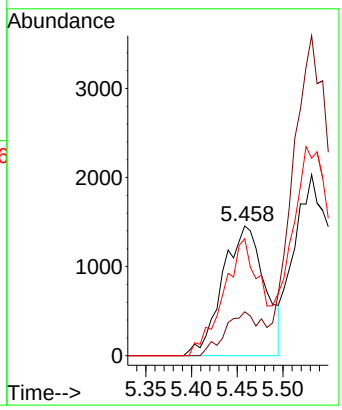


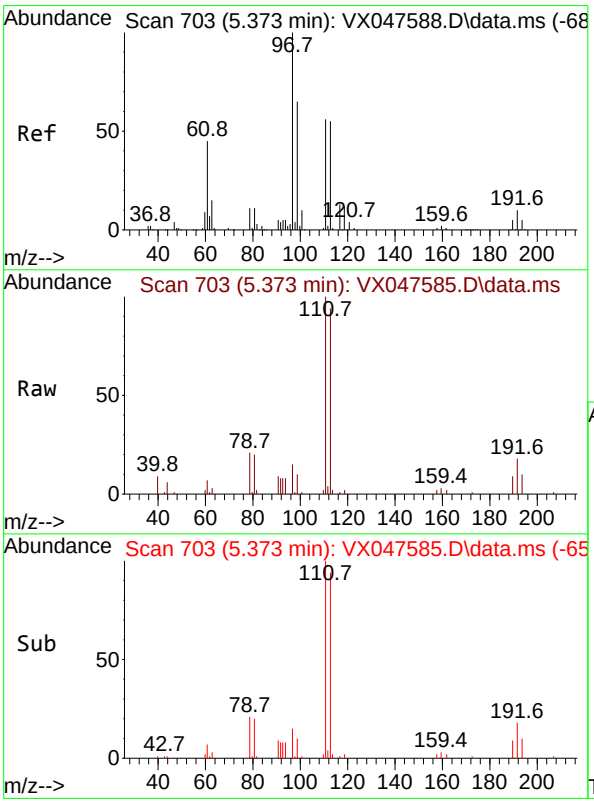
#31
Cyclohexane
Concen: 0.901 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 56 Resp: 4668

Ion	Ratio	Lower	Upper
56	100		
69	33.8	23.8	35.8
84	90.0	64.6	97.0

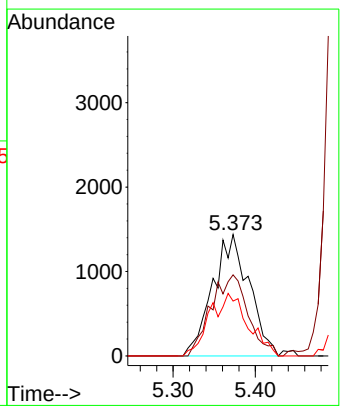


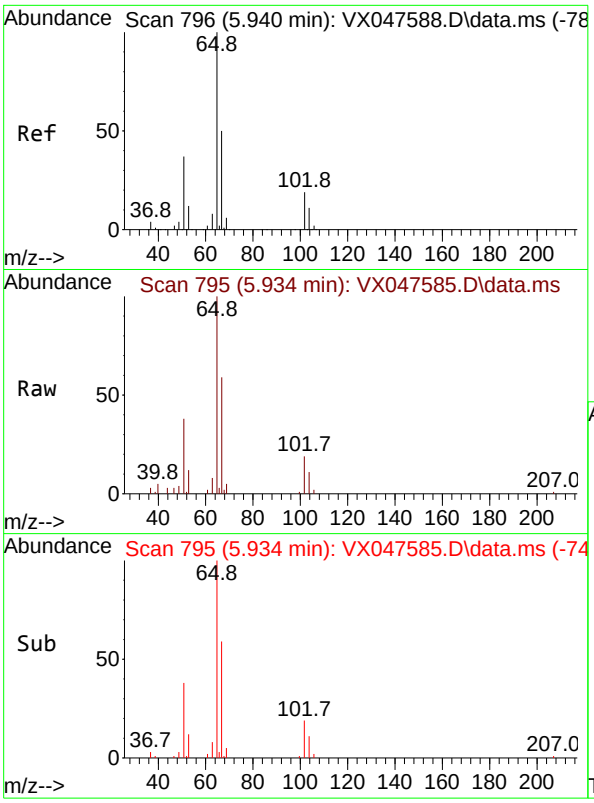


#32
1,1,1-Trichloroethane
Concen: 0.832 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 97 Resp: 4439

Ion	Ratio	Lower	Upper
97	100		
99	0.0	50.6	76.0#
61	36.2	35.8	53.8



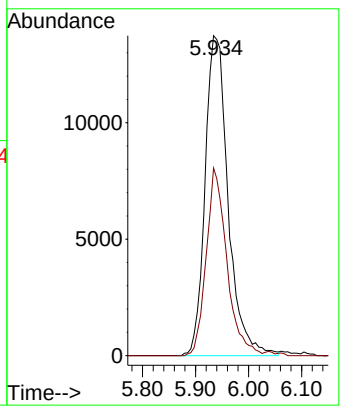


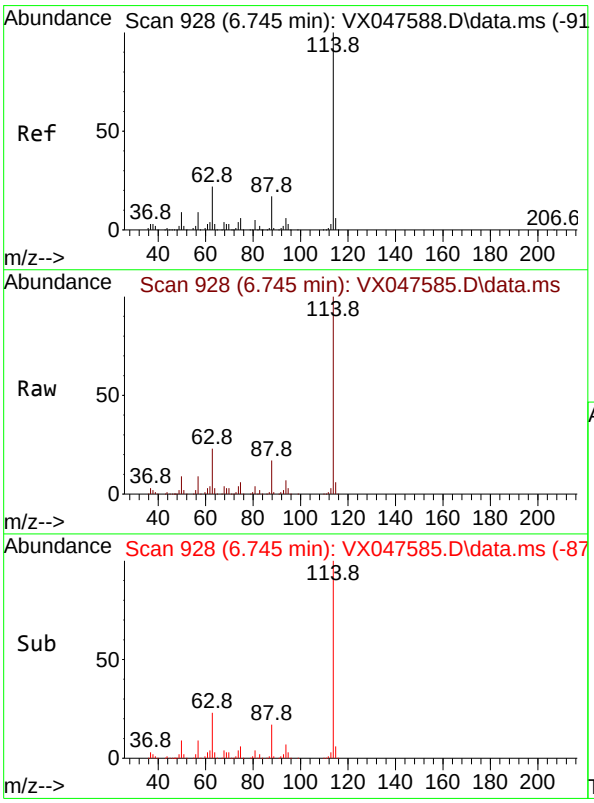
#33
1,2-Dichloroethane-d4
Concen: 10.583 ug/l
RT: 5.934 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 65 Resp: 41500

Ion	Ratio	Lower	Upper
65	100		
67	52.6	0.0	103.0

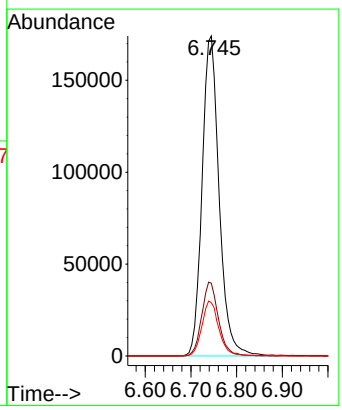


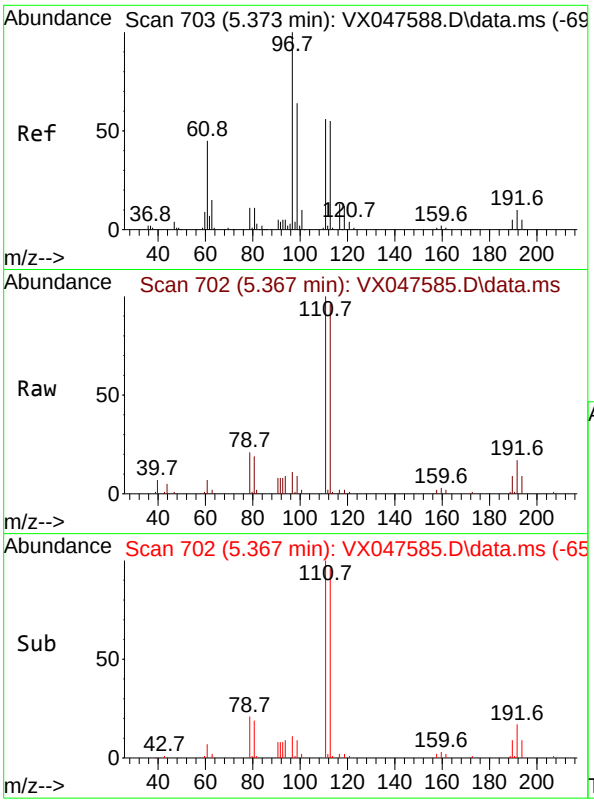


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 928
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:114 Resp: 451502

Ion	Ratio	Lower	Upper
114	100		
63	22.8	0.0	44.0
88	16.6	0.0	34.2



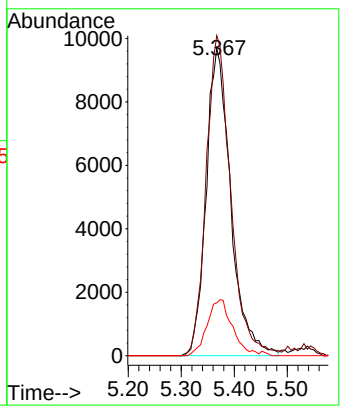


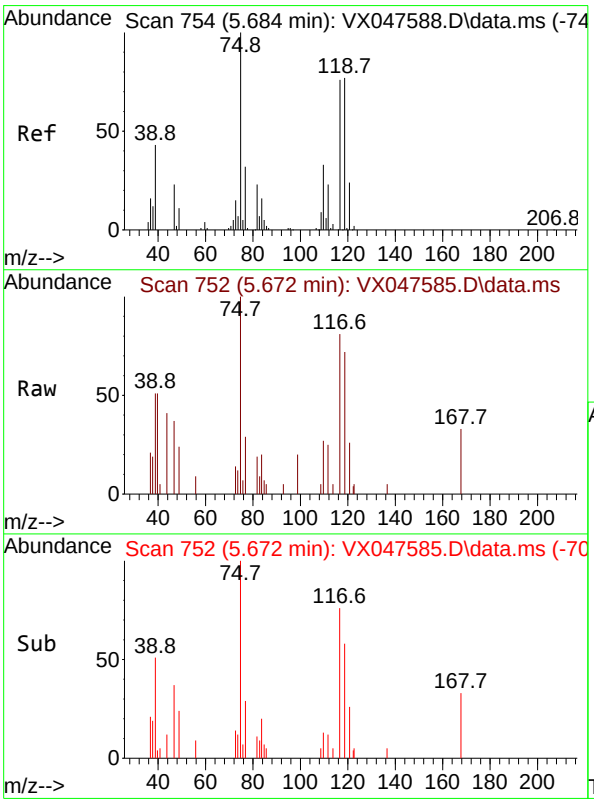
#35
Dibromofluoromethane
Concen: 10.300 ug/l
RT: 5.367 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:113 Resp: 31188

Ion	Ratio	Lower	Upper
113	100		
111	103.7	80.9	121.3
192	18.6	14.2	21.4

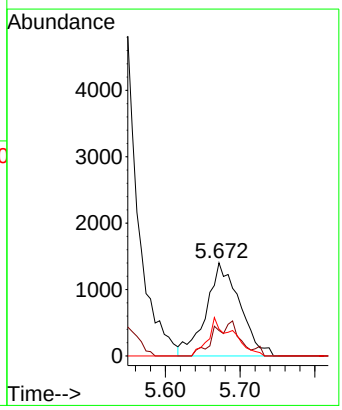


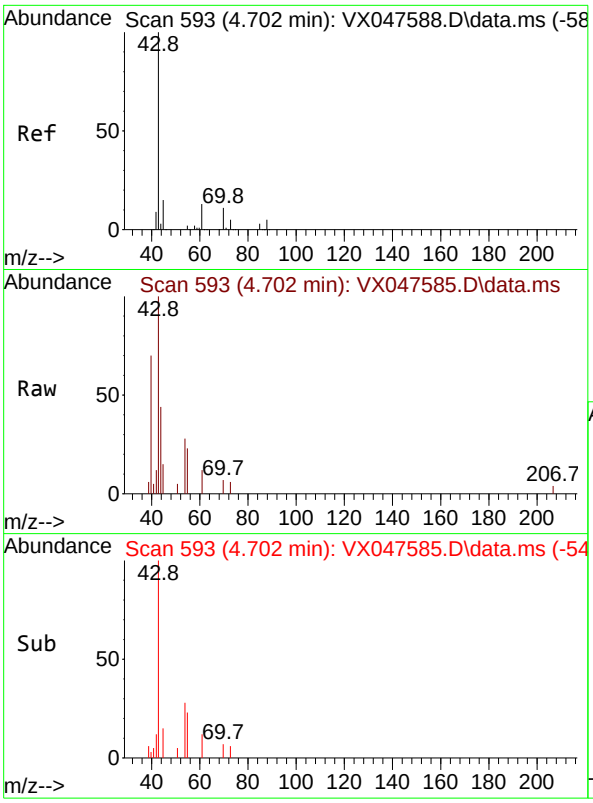


#36
1,1-Dichloropropene
Concen: 0.988 ug/l
RT: 5.672 min Scan# 752
Delta R.T. -0.012 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 75 Resp: 4373

Ion	Ratio	Lower	Upper
75	100		
110	0.0	16.7	50.1#
77	30.0	24.3	36.5



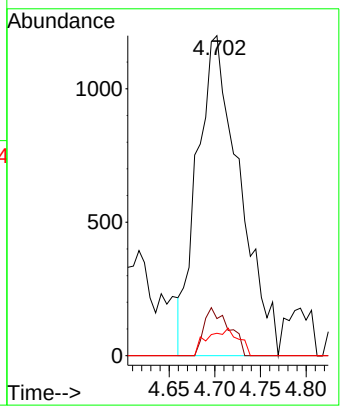


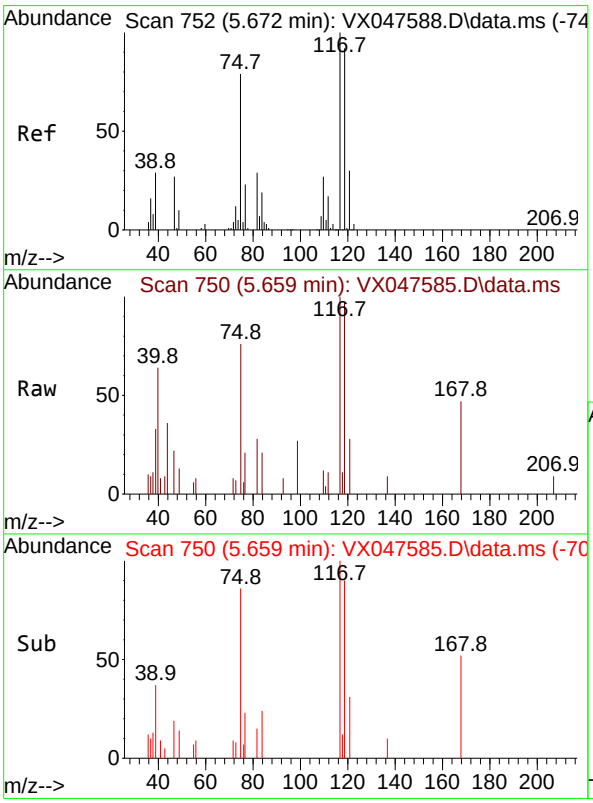
#37
Ethyl Acetate
Concen: 0.818 ug/l
RT: 4.702 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 3873

Ion	Ratio	Lower	Upper
43	100		
61	8.9	9.8	14.8#
70	6.2	7.9	11.9#

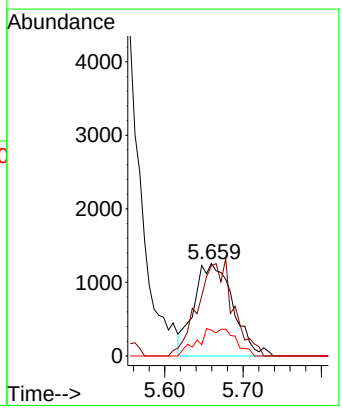


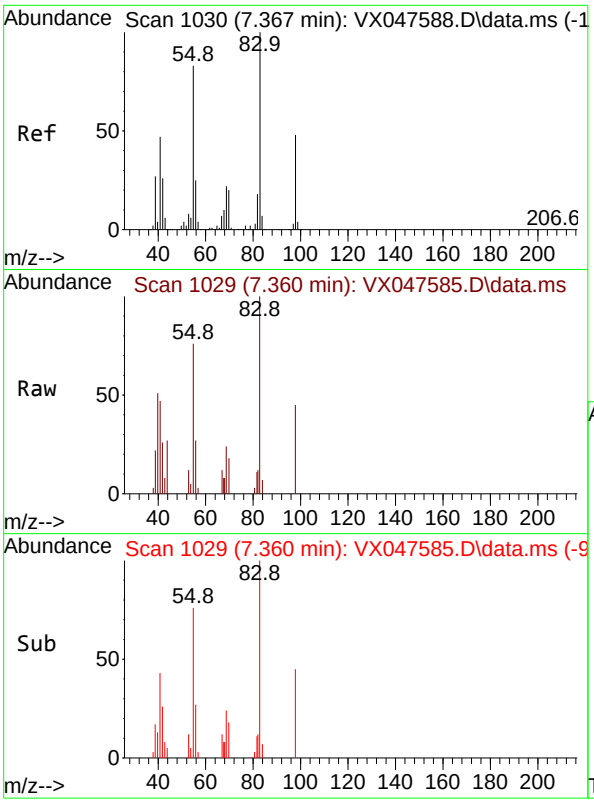


#38
Carbon Tetrachloride
Concen: 0.905 ug/l
RT: 5.659 min Scan# 750
Delta R.T. -0.012 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:117 Resp: 4349

Ion	Ratio	Lower	Upper
117	100		
119	97.3	73.4	110.2
121	27.8	23.8	35.6



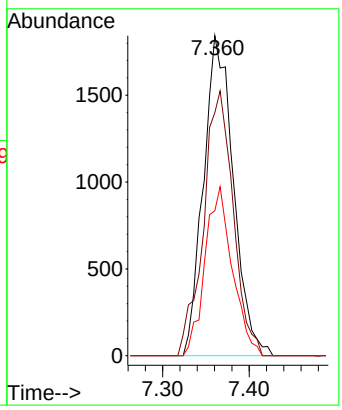


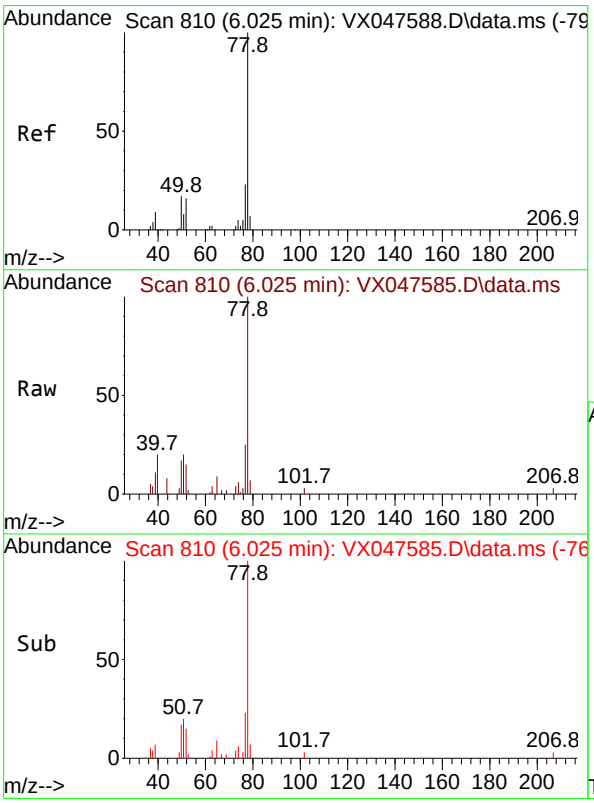
#39
Methylcyclohexane
Concen: 0.882 ug/l
RT: 7.360 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 83 Resp: 4428

Ion	Ratio	Lower	Upper
83	100		
55	76.0	66.4	99.6
98	45.3	38.1	57.1

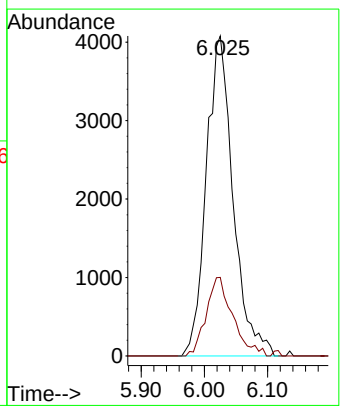


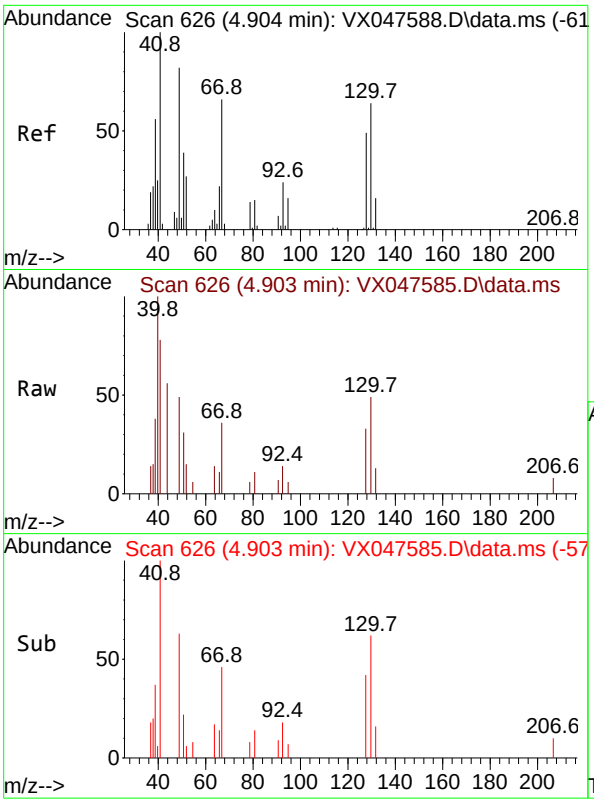


#40
Benzene
Concen: 0.894 ug/l
RT: 6.025 min Scan# 810
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 78 Resp: 12012

Ion	Ratio	Lower	Upper
78	100		
77	24.5	18.8	28.2



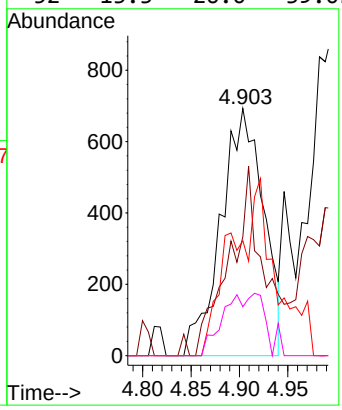


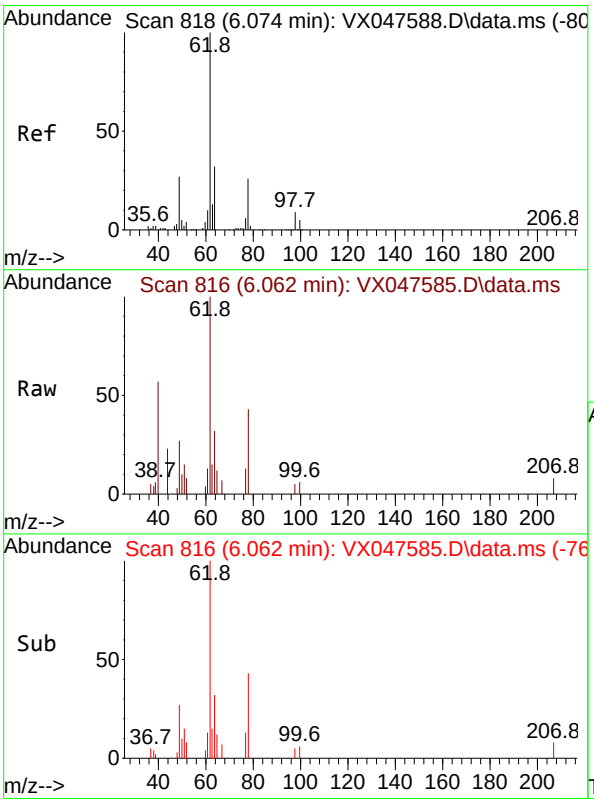
#41
Methacrylonitrile
Concen: 0.870 ug/l
RT: 4.903 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 41 Resp: 2128

Ion	Ratio	Lower	Upper
41	100		
39	60.3	43.3	64.9
67	23.5	58.6	87.8#
52	13.3	26.0	39.0#

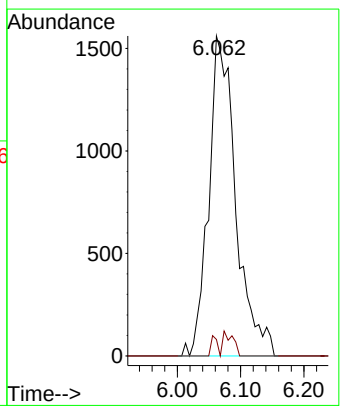


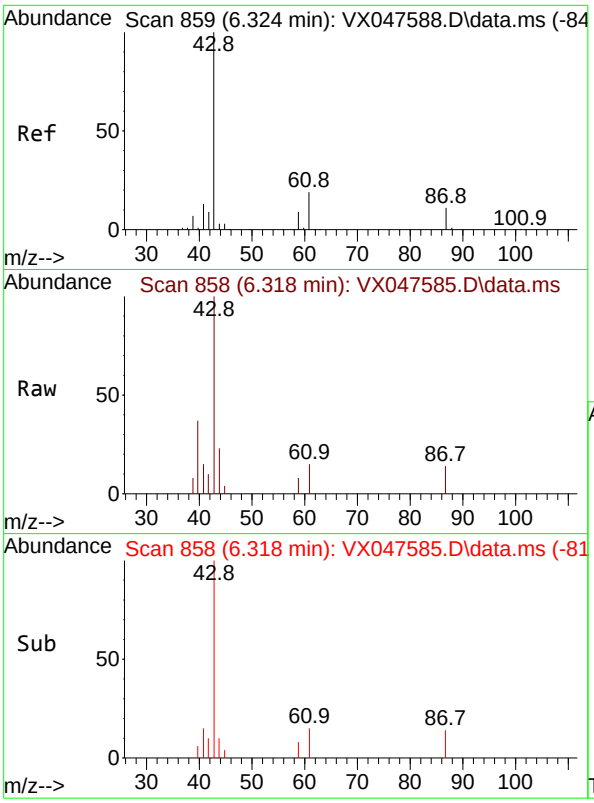


#42
1,2-Dichloroethane
Concen: 0.906 ug/l
RT: 6.062 min Scan# 816
Delta R.T. -0.012 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 62 Resp: 4634

Ion	Ratio	Lower	Upper
62	100		
98	1.4	0.0	17.0



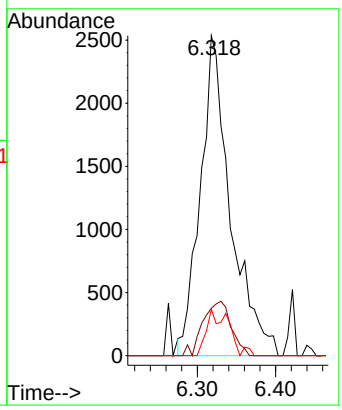


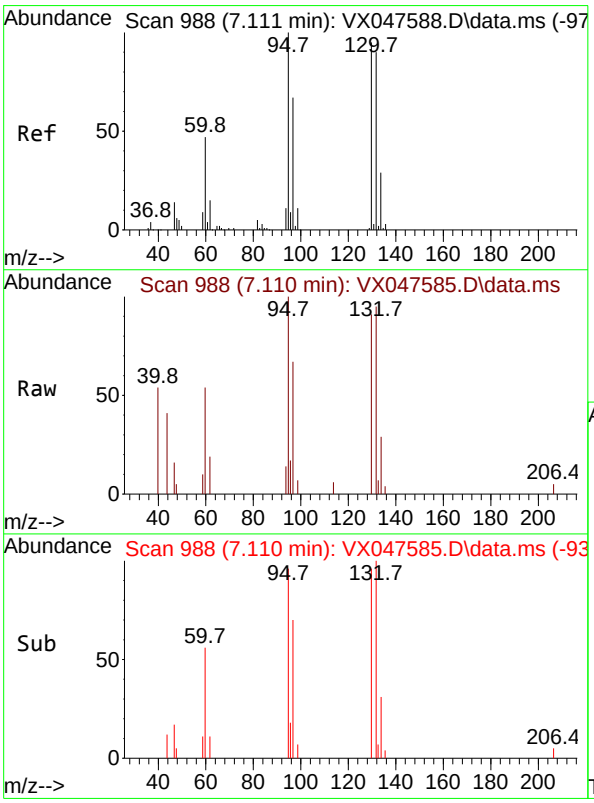
#43
Isopropyl Acetate
Concen: 0.873 ug/l
RT: 6.318 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 6784

Ion	Ratio	Lower	Upper
43	100		
61	15.9	15.2	22.8
87	10.1	9.6	14.4

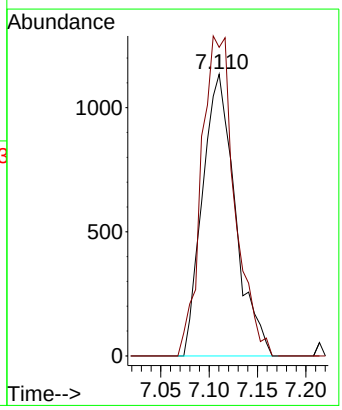


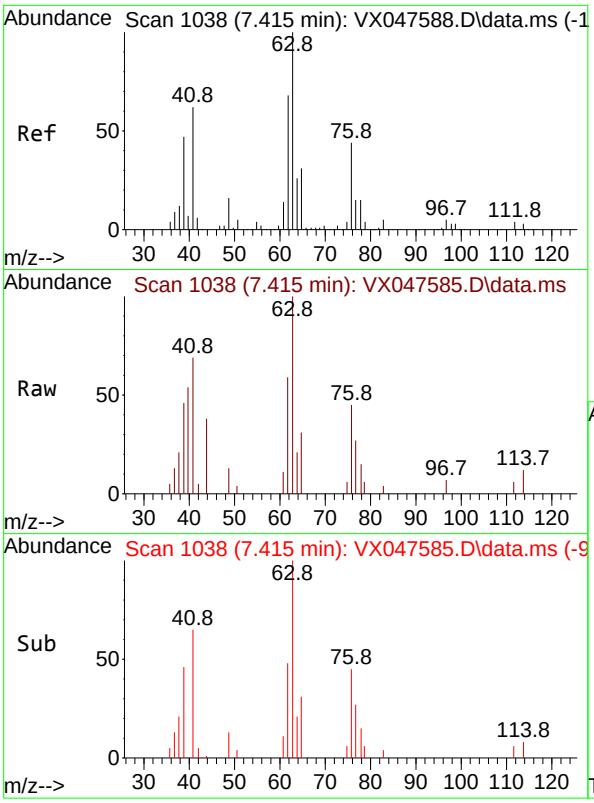


#44
Trichloroethene
Concen: 0.824 ug/l
RT: 7.110 min Scan# 988
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:130 Resp: 2677

Ion	Ratio	Lower	Upper
130	100		
95	127.9	0.0	210.8



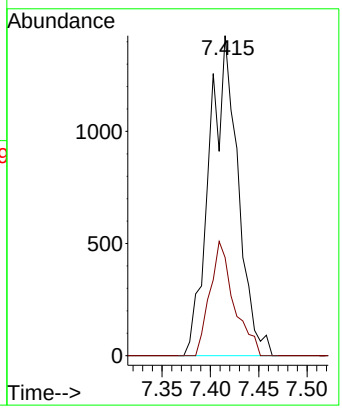


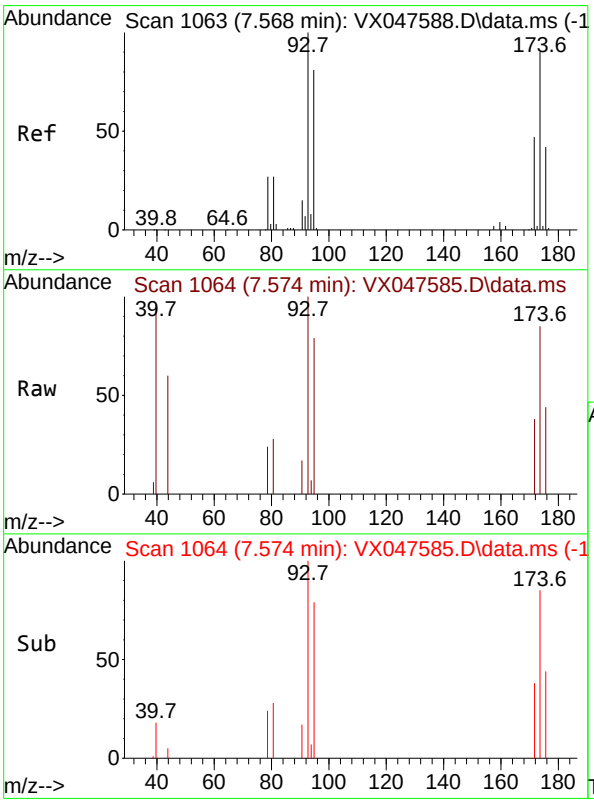
#45
1,2-Dichloropropane
Concen: 0.856 ug/l
RT: 7.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 63 Resp: 2945

Ion	Ratio	Lower	Upper
63	100		
65	30.7	24.7	37.1

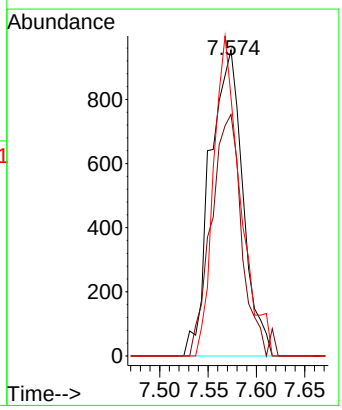


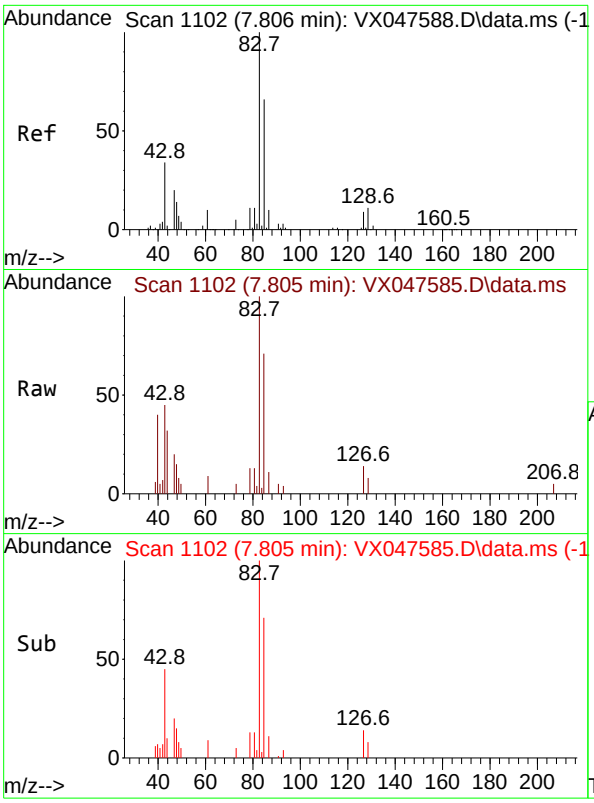


#46
Dibromomethane
Concen: 0.895 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 93 Resp: 2240

Ion	Ratio	Lower	Upper
93	100		
95	74.4	65.0	97.6
174	85.1	71.6	107.4



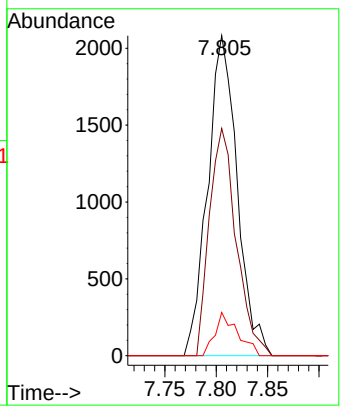


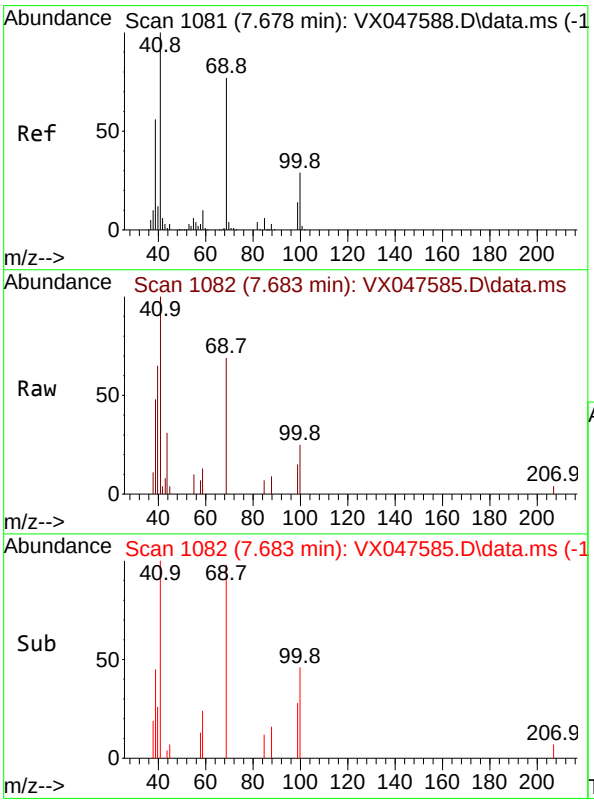
#47
Bromodichloromethane
Concen: 0.806 ug/l
RT: 7.805 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 83 Resp: 4167

Ion	Ratio	Lower	Upper
83	100		
85	71.0	52.5	78.7
127	13.5	6.9	10.3#

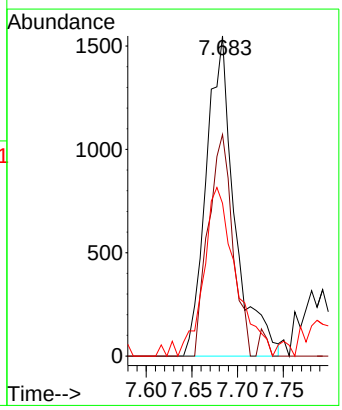


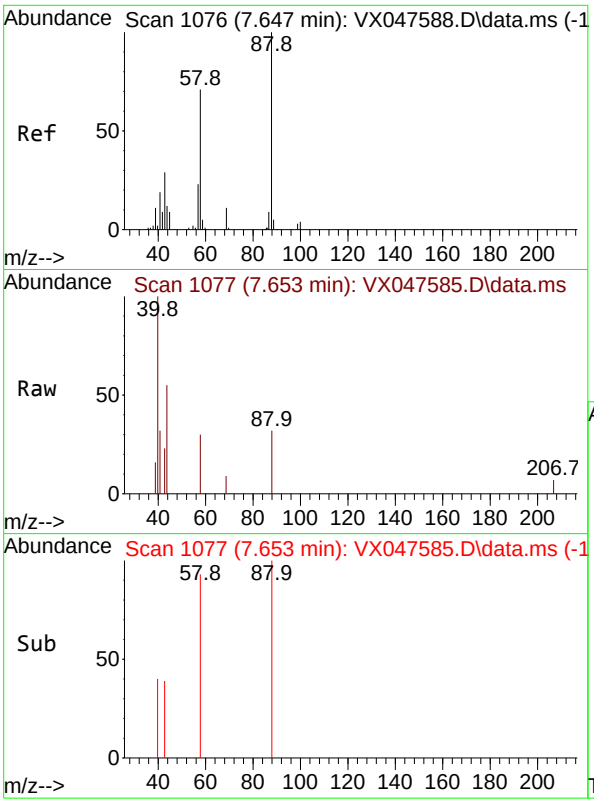


#48
Methyl methacrylate
Concen: 0.867 ug/l
RT: 7.683 min Scan# 1082
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 41 Resp: 3355

Ion	Ratio	Lower	Upper
41	100		
69	59.3	61.4	92.2#
39	59.5	45.8	68.6



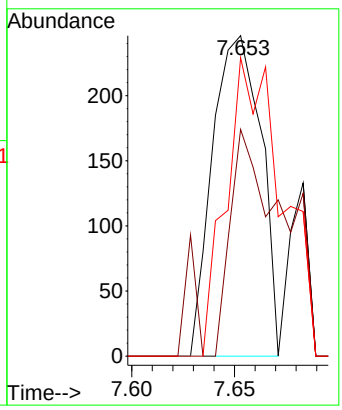


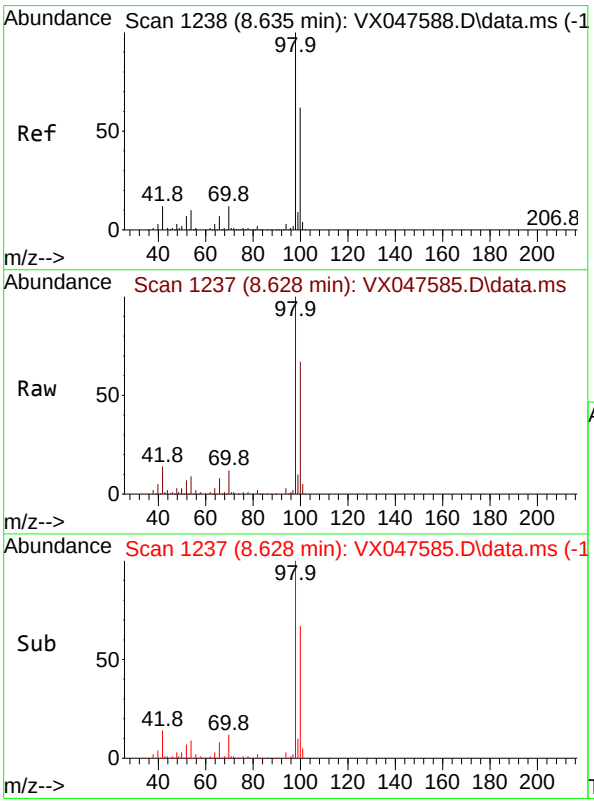
#49
1,4-Dioxane
Concen: 10.329 ug/l
RT: 7.653 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 88 Resp: 404

Ion	Ratio	Lower	Upper
88	100		
43	77.5	30.2	45.2#
58	107.4	59.5	89.3#

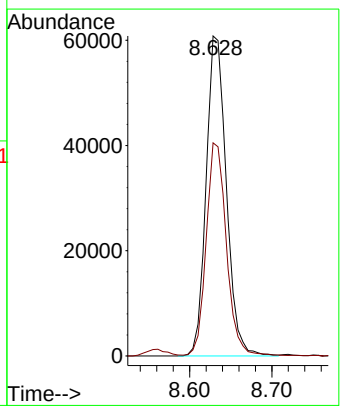


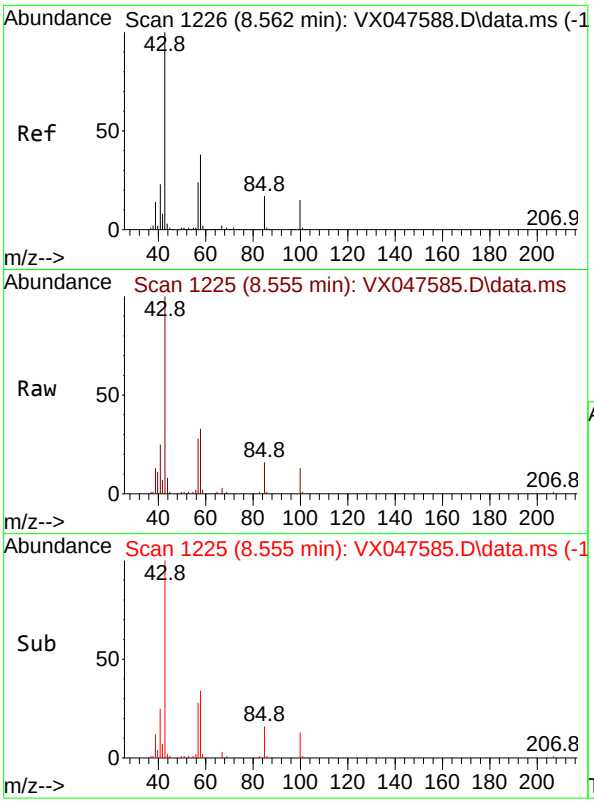


#50
Toluene-d8
Concen: 9.913 ug/l
RT: 8.628 min Scan# 1237
Delta R.T. -0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 98 Resp: 103865

Ion	Ratio	Lower	Upper
98	100		
100	66.6	53.0	79.4



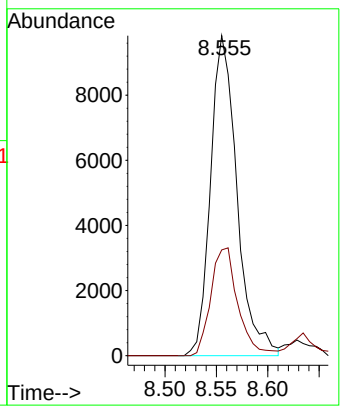


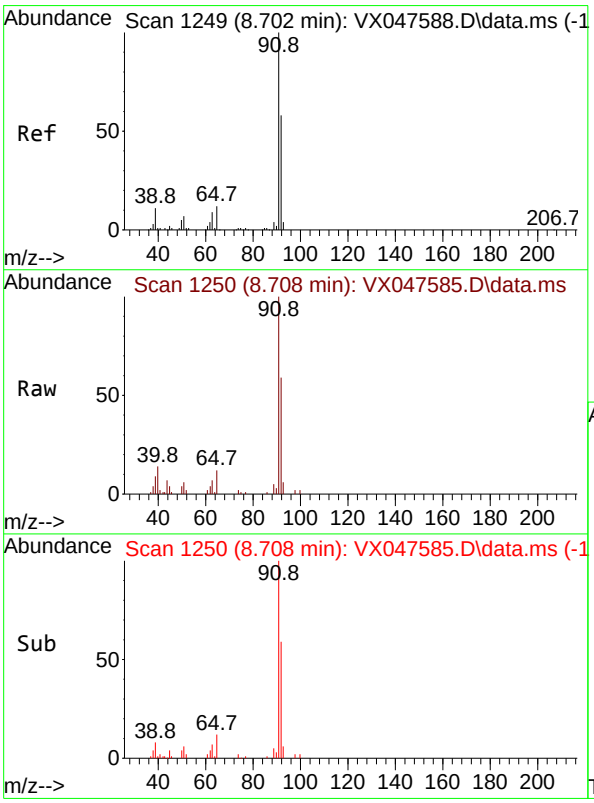
#51
4-Methyl-2-Pentanone
Concen: 4.085 ug/l
RT: 8.555 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 17596

Ion	Ratio	Lower	Upper
43	100		
58	34.7	30.3	45.5

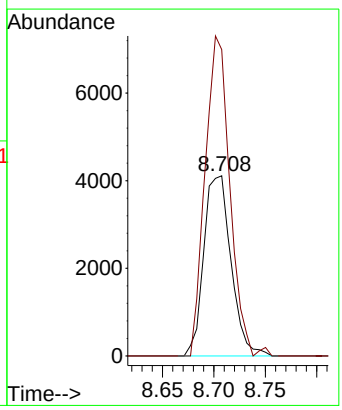


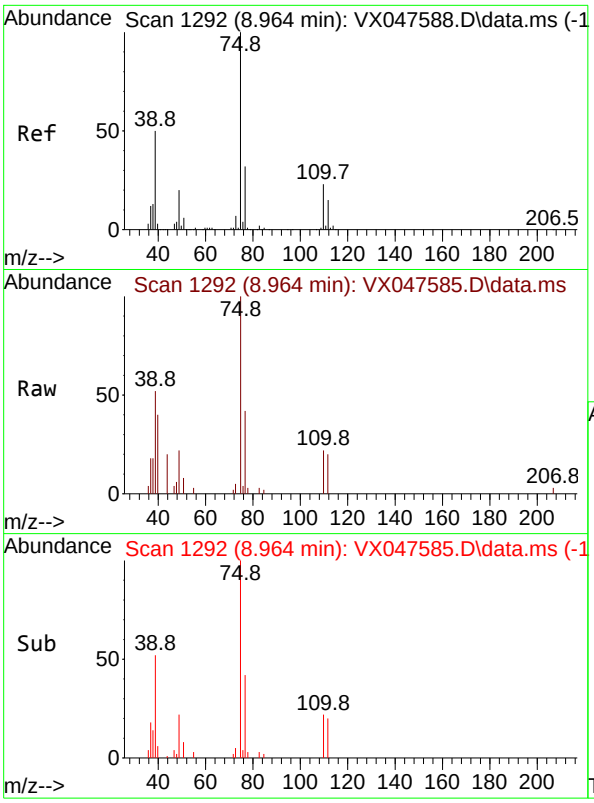


#52
Toluene
Concen: 0.917 ug/l
RT: 8.708 min Scan# 1250
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 92 Resp: 7595

Ion	Ratio	Lower	Upper
92	100		
91	160.7	137.1	205.7



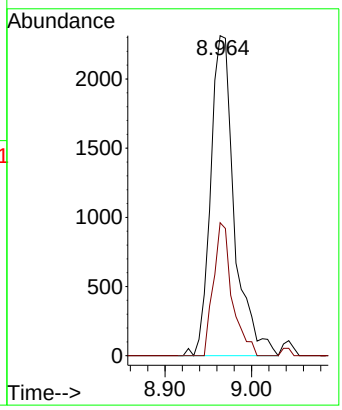


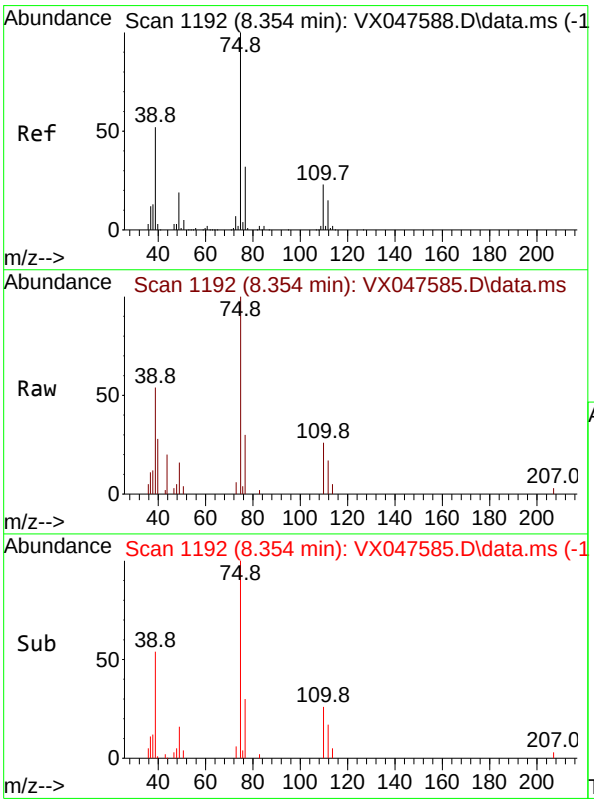
#53
t-1,3-Dichloropropene
Concen: 0.834 ug/l
RT: 8.964 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 75 Resp: 4398

Ion	Ratio	Lower	Upper
75	100		
77	41.5	25.4	38.2#

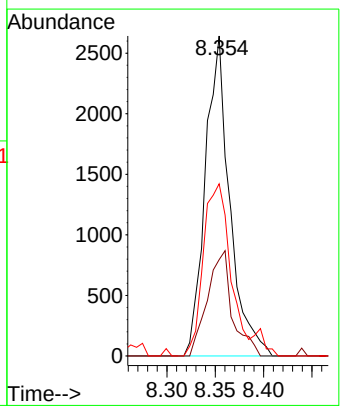


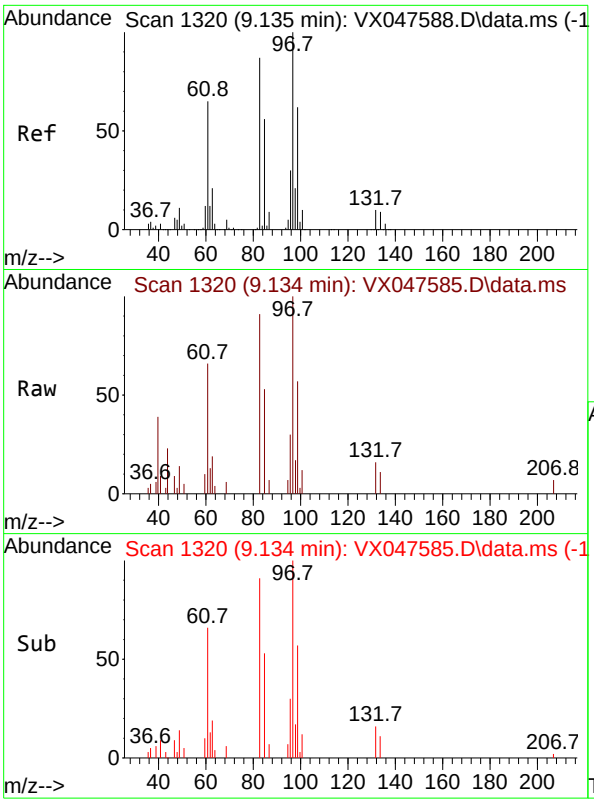


#54
cis-1,3-Dichloropropene
Concen: 0.823 ug/l
RT: 8.354 min Scan# 1192
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 75 Resp: 4635

Ion	Ratio	Lower	Upper
75	100		
77	30.1	25.8	38.6
39	25.6	41.4	62.2#



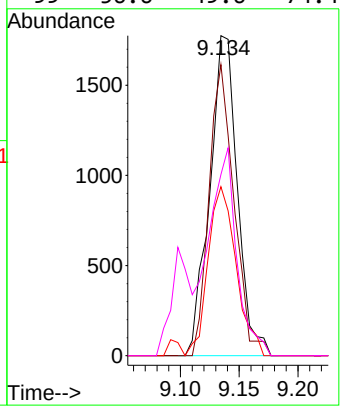


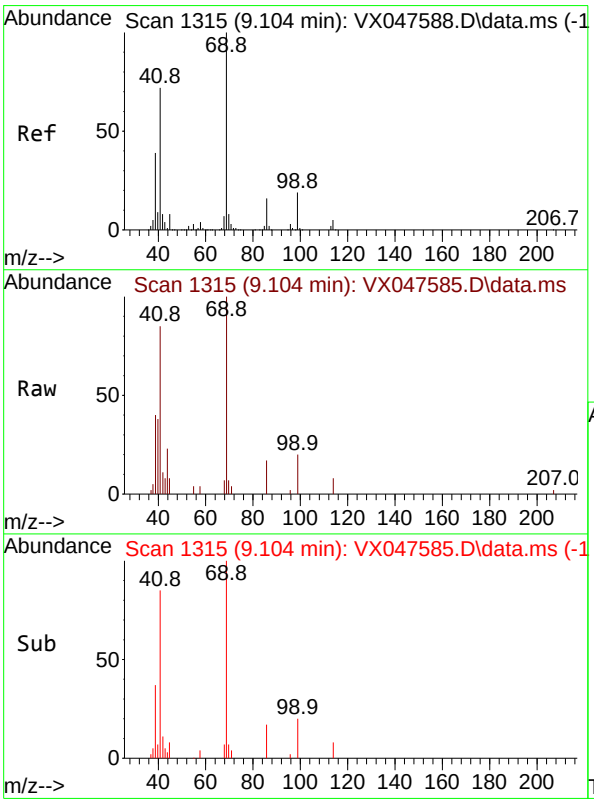
#55
1,1,2-Trichloroethane
Concen: 0.914 ug/l
RT: 9.134 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 97 Resp: 2918

Ion	Ratio	Lower	Upper
97	100		
83	90.9	69.6	104.4
85	52.8	45.0	67.6
99	56.6	49.6	74.4

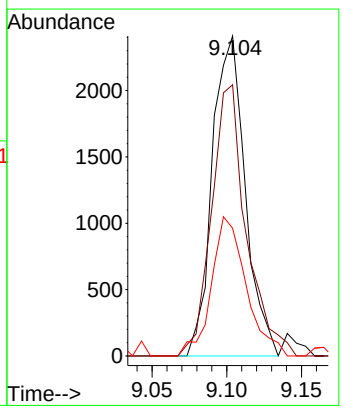


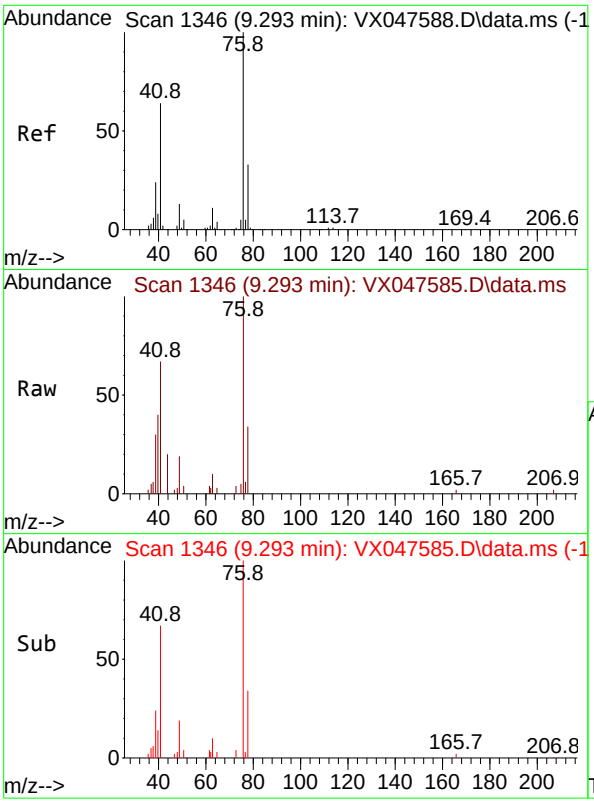


#56
Ethyl methacrylate
Concen: 0.734 ug/l
RT: 9.104 min Scan# 1315
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 69 Resp: 3679

Ion	Ratio	Lower	Upper
69	100		
41	89.4	58.6	87.8#
39	46.0	31.5	47.3



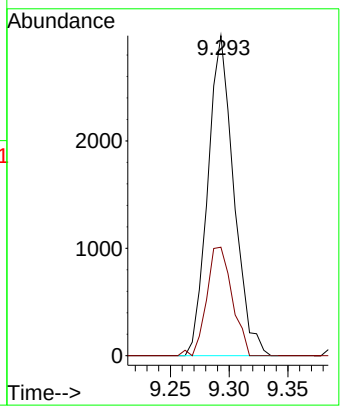


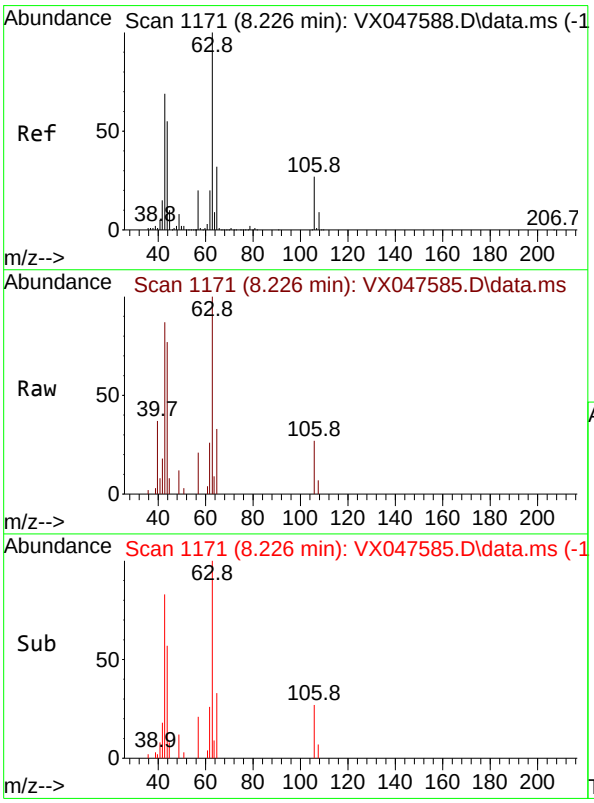
#57
1,3-Dichloropropane
Concen: 0.835 ug/l
RT: 9.293 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 76 Resp: 4580

Ion	Ratio	Lower	Upper
76	100		
78	33.2	26.2	39.4

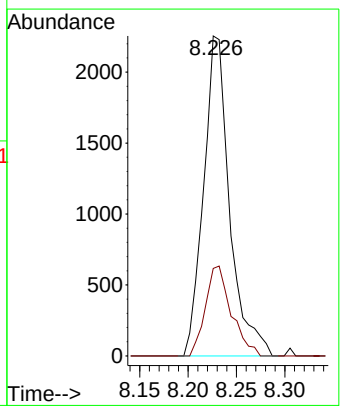


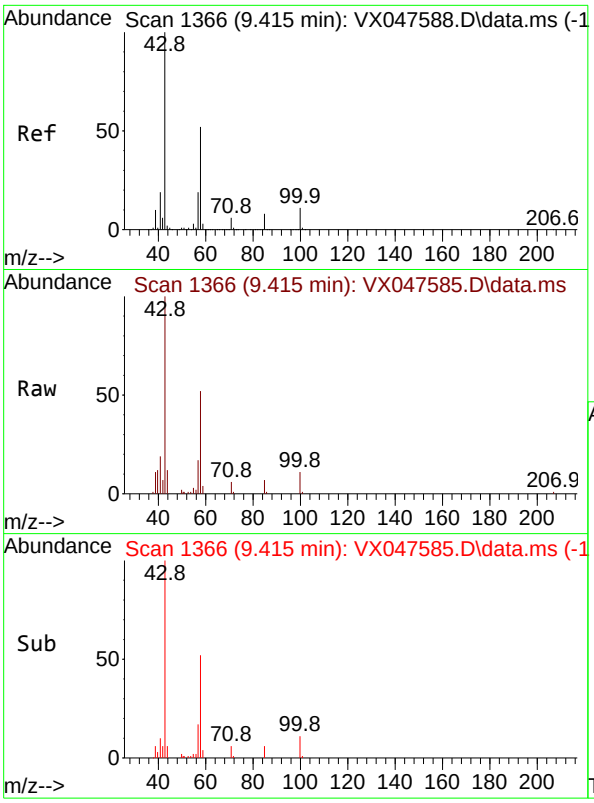


#58
2-Chloroethyl Vinyl ether
Concen: 9.665 ug/l
RT: 8.226 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 63 Resp: 4222

Ion	Ratio	Lower	Upper
63	100		
106	27.9	21.9	32.9



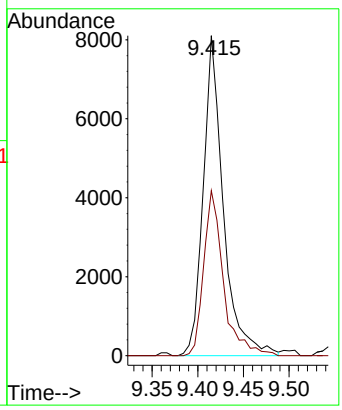


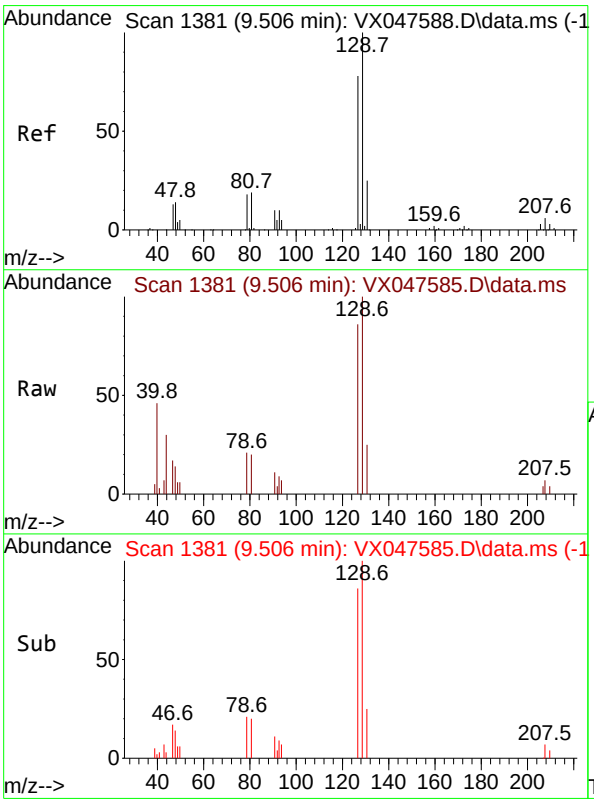
#59
2-Hexanone
Concen: 4.003 ug/l
RT: 9.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 12385

Ion	Ratio	Lower	Upper
43	100		
58	50.7	26.1	78.2

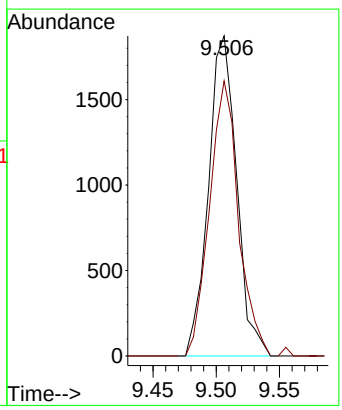


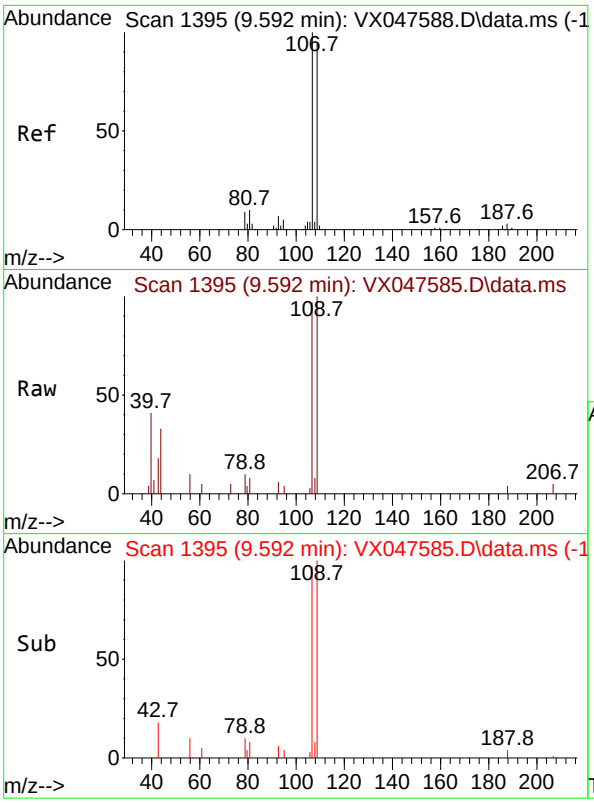


#60
Dibromochloromethane
Concen: 0.789 ug/l
RT: 9.506 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:129 Resp: 2903

Ion	Ratio	Lower	Upper
129	100		
127	88.2	38.4	115.2



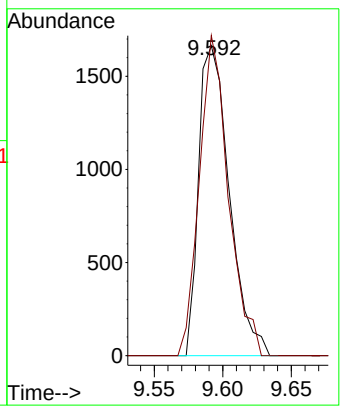


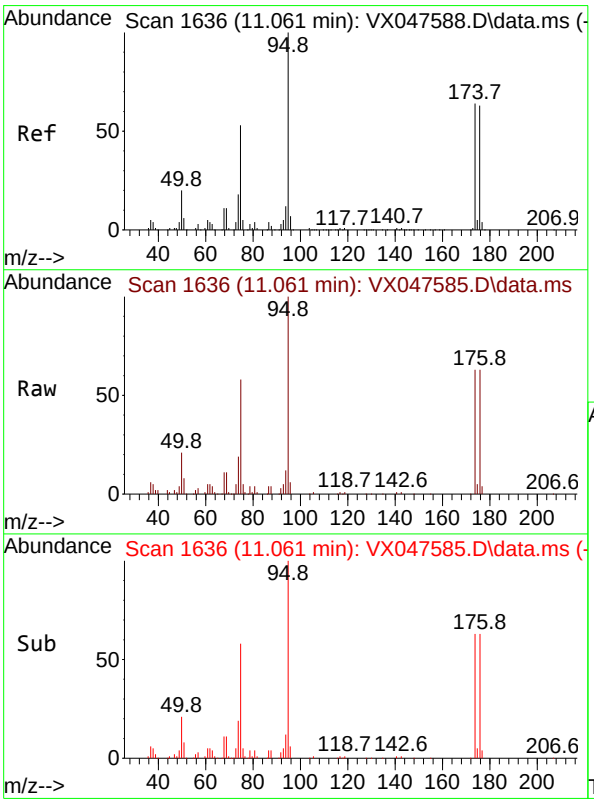
#61
1,2-Dibromoethane
Concen: 0.798 ug/l
RT: 9.592 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:107 Resp: 2596

Ion	Ratio	Lower	Upper
107	100		
109	97.7	75.3	112.9

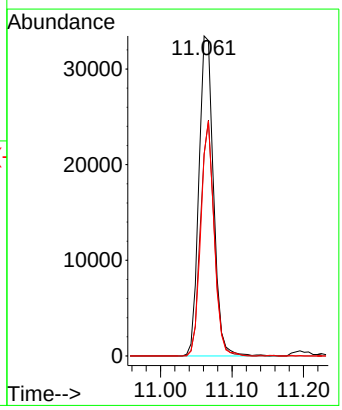


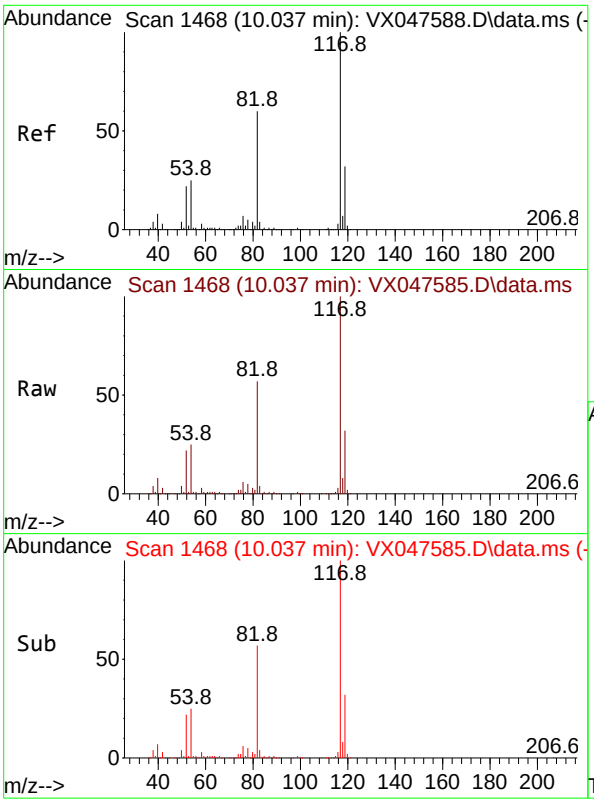


#62
4-Bromofluorobenzene
Concen: 11.900 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 95 Resp: 47321

Ion	Ratio	Lower	Upper
95	100		
174	68.9	0.0	141.6
176	67.0	0.0	138.4



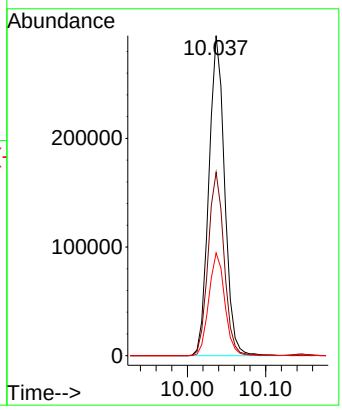


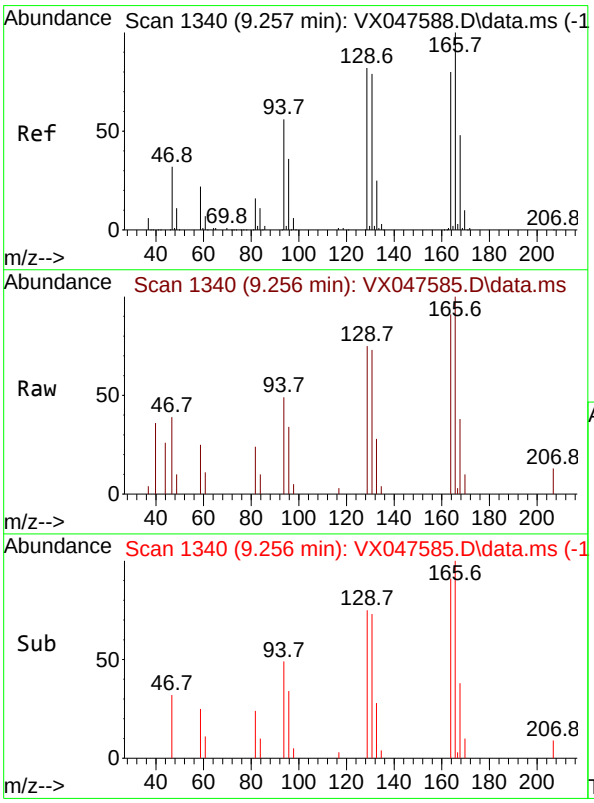
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:117 Resp: 410953

Ion	Ratio	Lower	Upper
117	100		
82	57.3	47.8	71.6
119	32.1	25.2	37.8

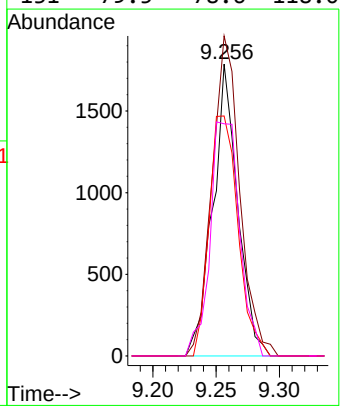


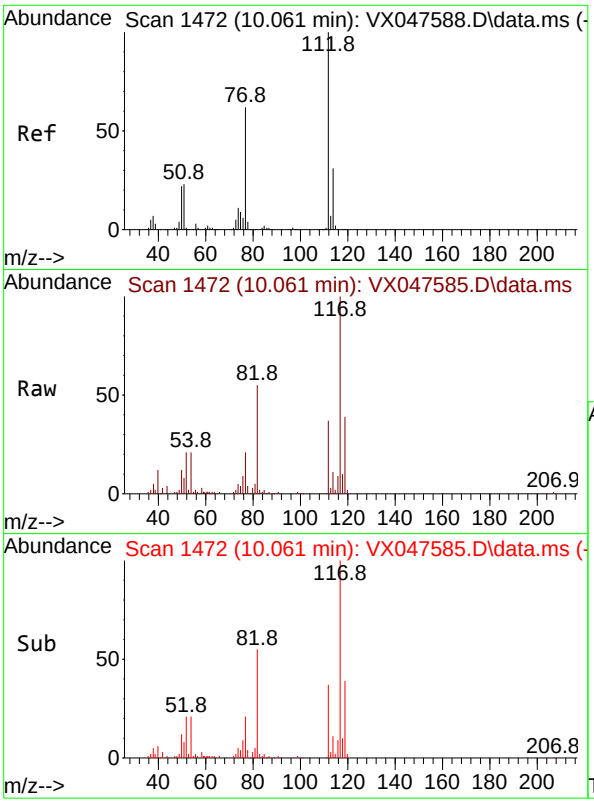


#64
Tetrachloroethene
Concen: 0.917 ug/l
RT: 9.256 min Scan# 1340
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:164 Resp: 2457

Ion	Ratio	Lower	Upper
164	100		
166	109.6	100.2	150.2
129	82.2	81.8	122.6
131	79.5	78.6	118.0



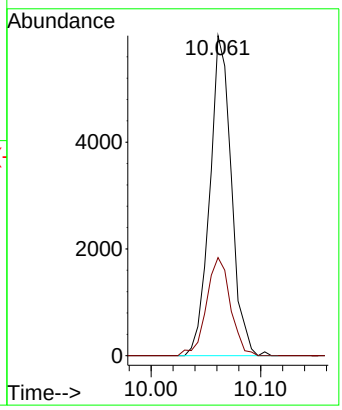


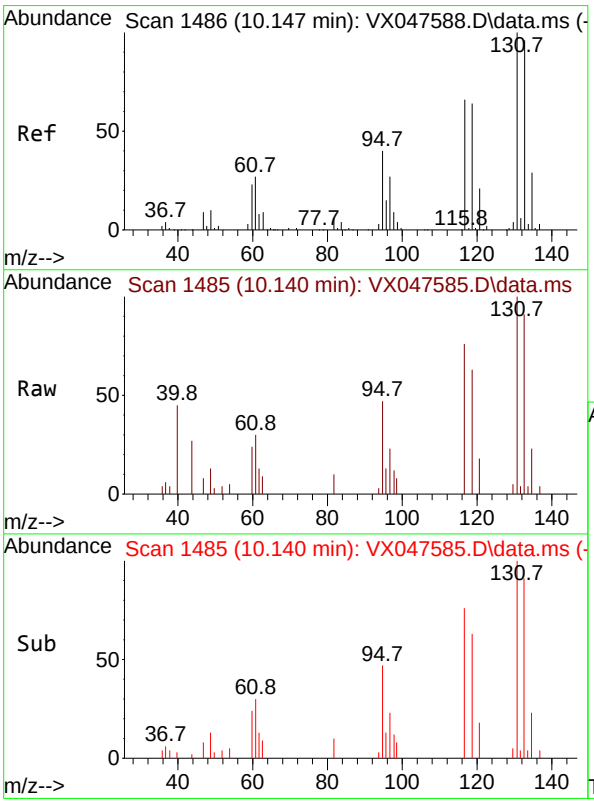
#65
Chlorobenzene
Concen: 0.879 ug/l
RT: 10.061 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:112 Resp: 8202

Ion	Ratio	Lower	Upper
112	100		
114	30.7	25.1	37.7

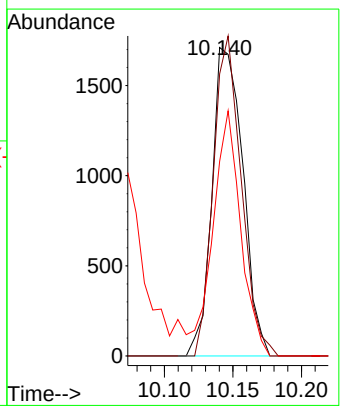


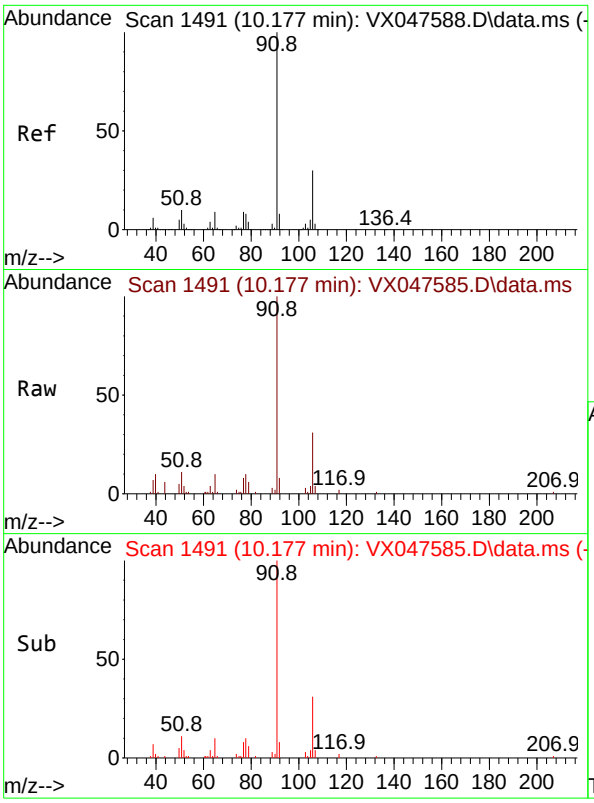


#66
1,1,1,2-Tetrachloroethane
Concen: 0.833 ug/l
RT: 10.140 min Scan# 1485
Delta R.T. -0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:131 Resp: 2684

Ion	Ratio	Lower	Upper
131	100		
133	93.9	47.3	142.0
119	0.0	32.0	96.0#



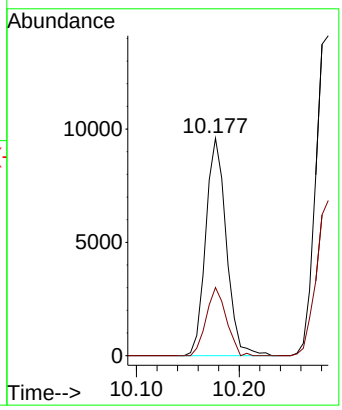


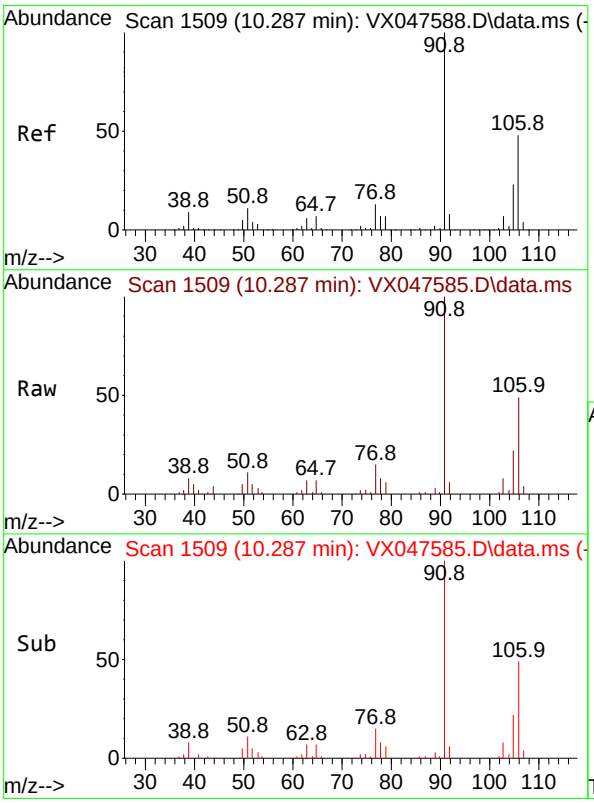
#67
Ethyl Benzene
Concen: 0.829 ug/l
RT: 10.177 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 91 Resp: 13360

Ion	Ratio	Lower	Upper
91	100		
106	31.3	24.3	36.5

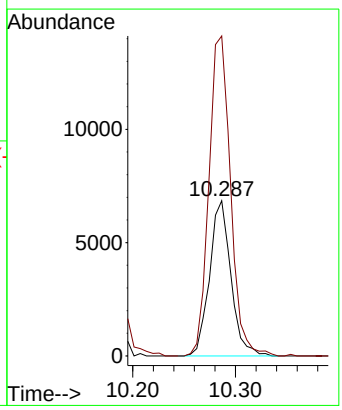


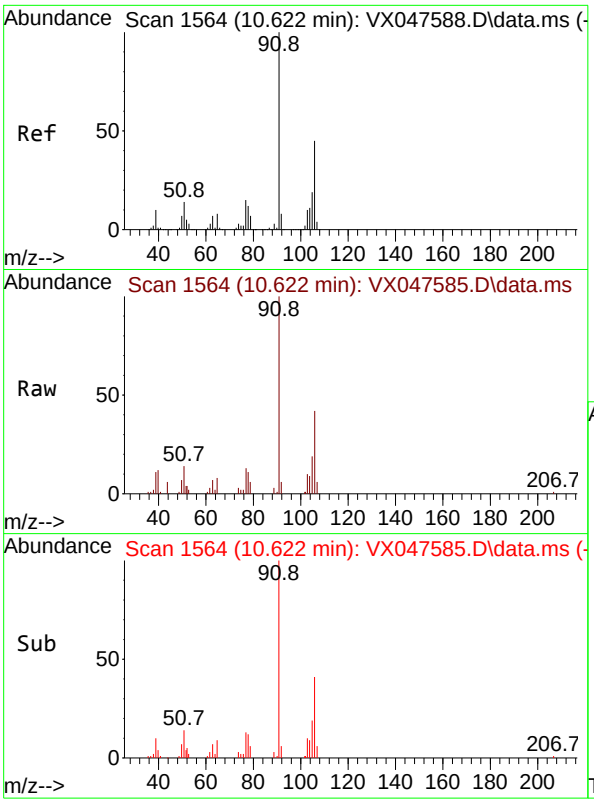


#68
m/p-Xylenes
Concen: 1.655 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:106 Resp: 9922

Ion	Ratio	Lower	Upper
106	100		
91	208.5	167.8	251.8



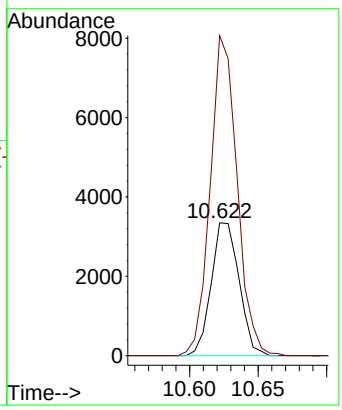


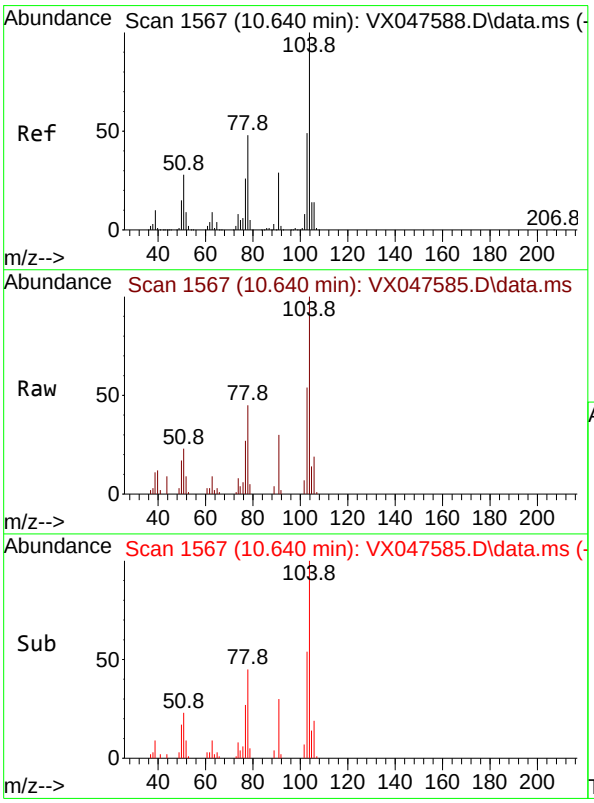
#69
o-Xylene
Concen: 0.816 ug/l
RT: 10.622 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:106 Resp: 4734

Ion	Ratio	Lower	Upper
106	100		
91	232.4	111.1	333.4

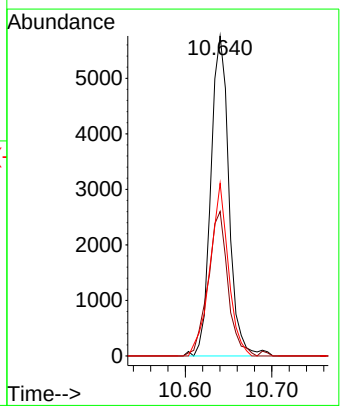


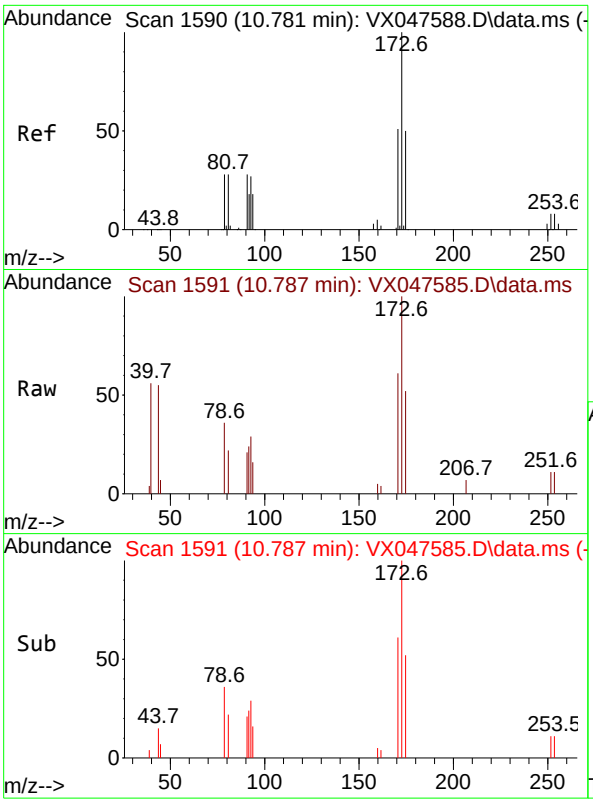


#70
Styrene
Concen: 0.824 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:104 Resp: 8377

Ion	Ratio	Lower	Upper
104	100		
78	49.5	43.1	64.7
103	55.0	43.1	64.7



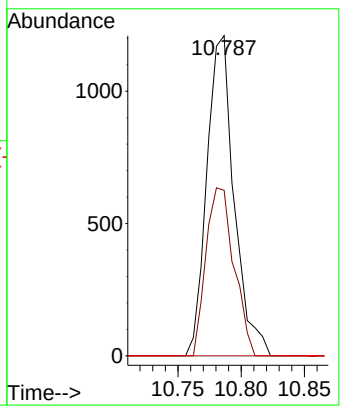


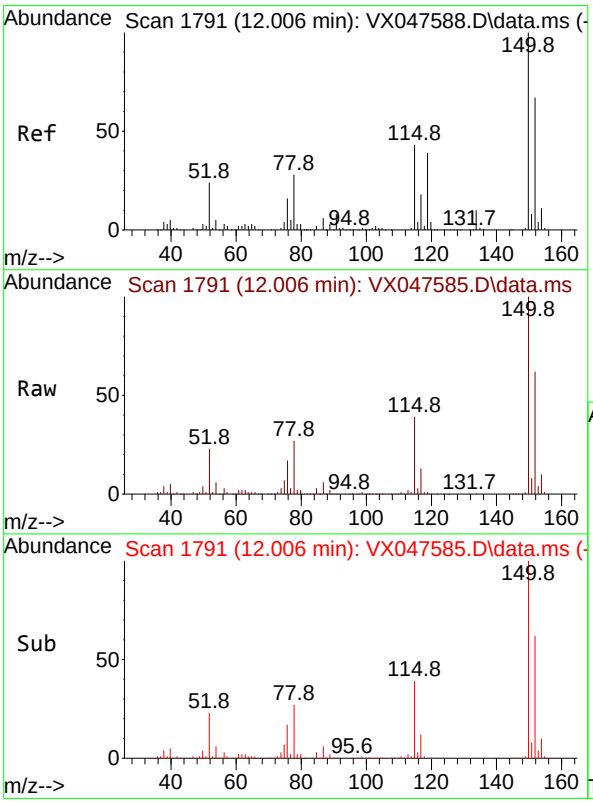
#71
Bromoform
Concen: 0.755 ug/l
RT: 10.787 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:173 Resp: 1816

Ion	Ratio	Lower	Upper
173	100		
175	53.8	24.9	74.6
254	0.0	0.1	0.1#

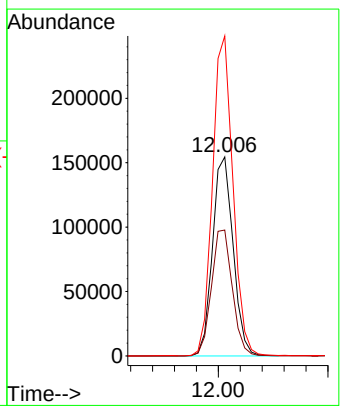


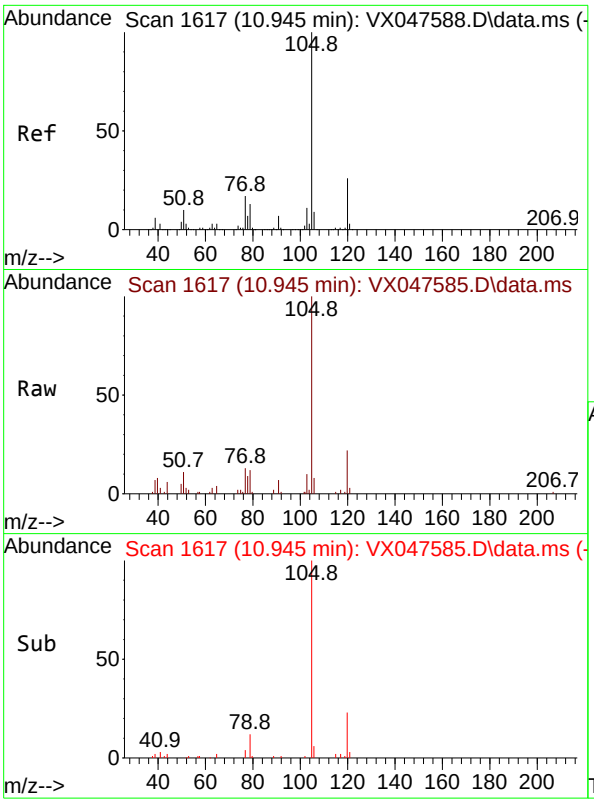


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:152 Resp: 201976

Ion	Ratio	Lower	Upper
152	100		
115	64.2	44.9	134.5
150	158.7	0.0	352.0



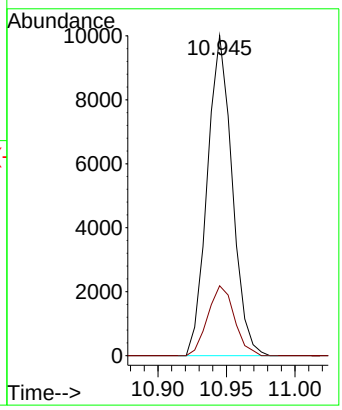


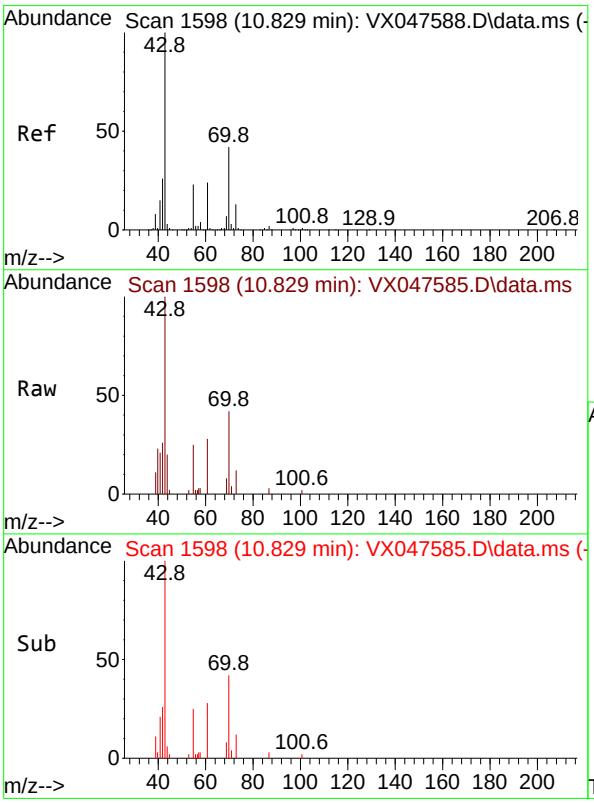
#73
Isopropylbenzene
Concen: 0.822 ug/l
RT: 10.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:105 Resp: 12618

Ion	Ratio	Lower	Upper
105	100		
120	23.4	12.8	38.4

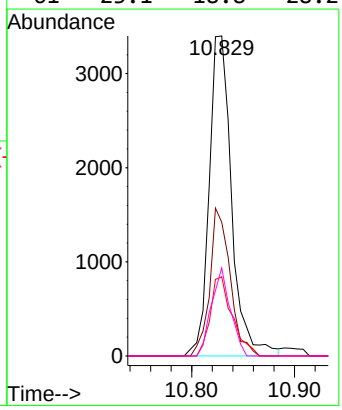


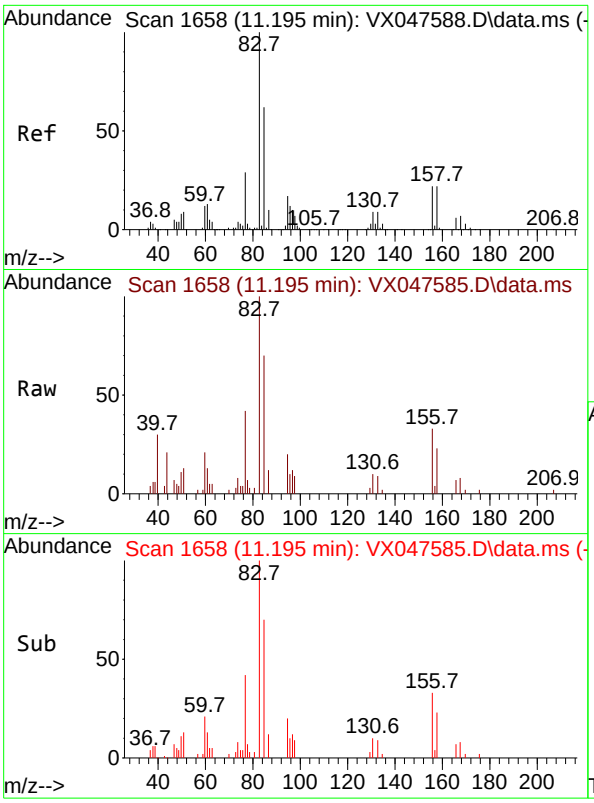


#74
N-amyl acetate
Concen: 0.737 ug/l
RT: 10.829 min Scan# 1598
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 43 Resp: 5159

Ion	Ratio	Lower	Upper
43	100		
70	41.7	32.0	48.0
55	24.3	18.9	28.3
61	23.1	18.8	28.2



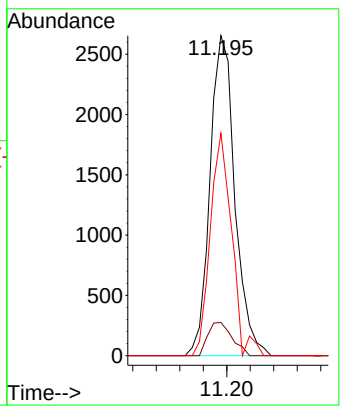


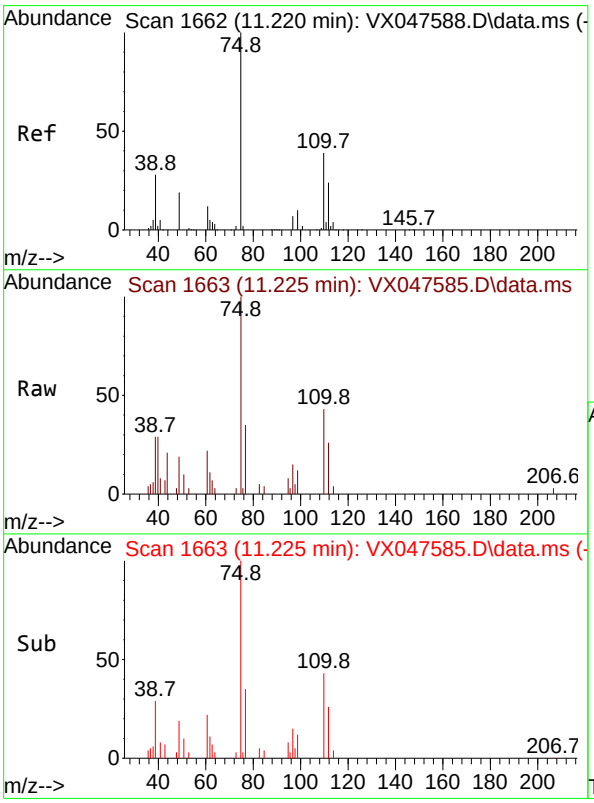
#75
1,1,2,2-Tetrachloroethane
Concen: 0.839 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 83 Resp: 3900

Ion	Ratio	Lower	Upper
83	100		
131	10.1	5.0	14.9
85	59.8	31.6	95.0

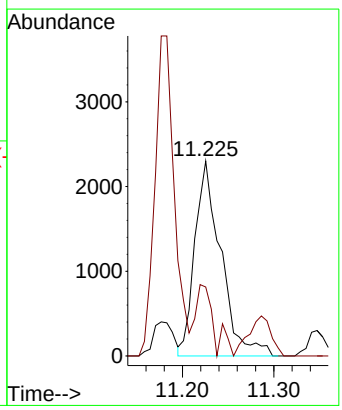


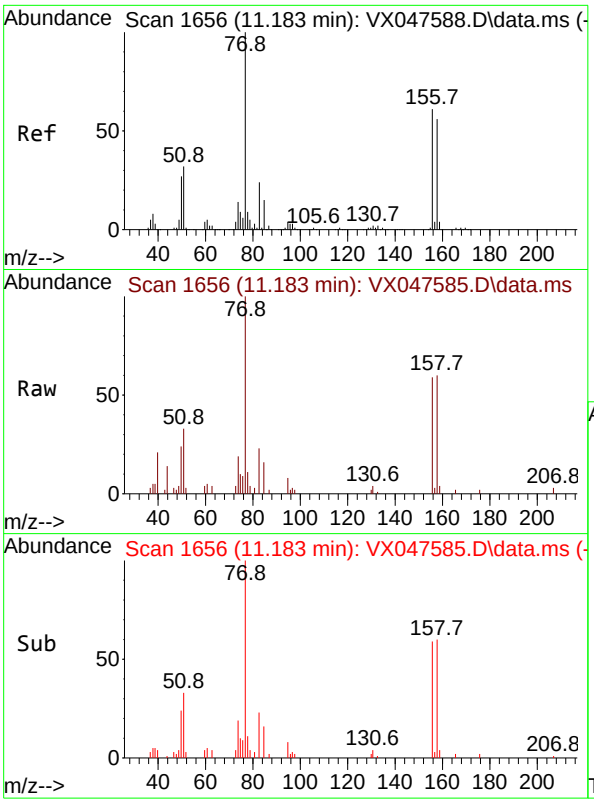


#76
1,2,3-Trichloropropane
Concen: 1.117 ug/l
RT: 11.225 min Scan# 1663
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 75 Resp: 4568

Ion	Ratio	Lower	Upper
75	100		
77	25.9	18.8	56.4



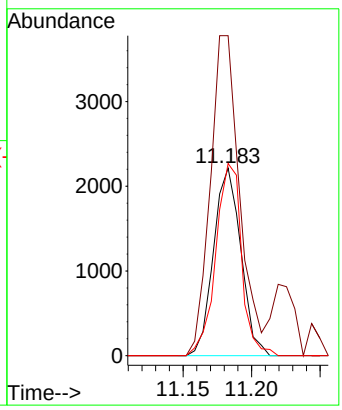


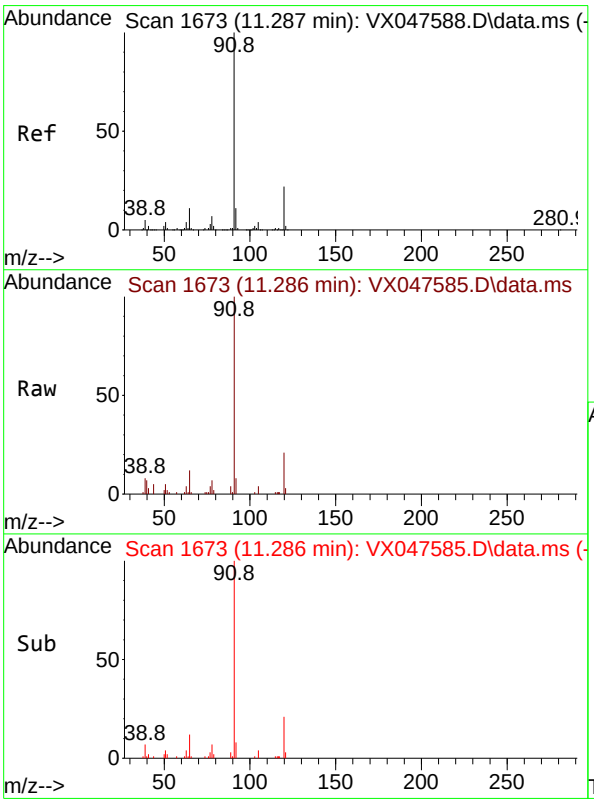
#77
Bromobenzene
Concen: 0.811 ug/l
RT: 11.183 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:156 Resp: 3069

Ion	Ratio	Lower	Upper
156	100		
77	182.3	89.7	269.1
158	96.6	47.9	143.6

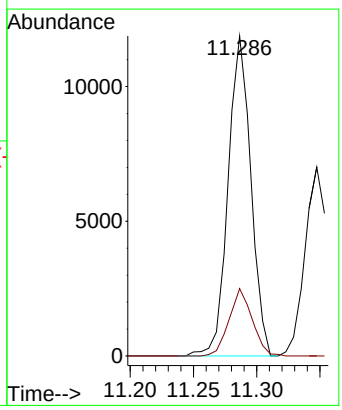


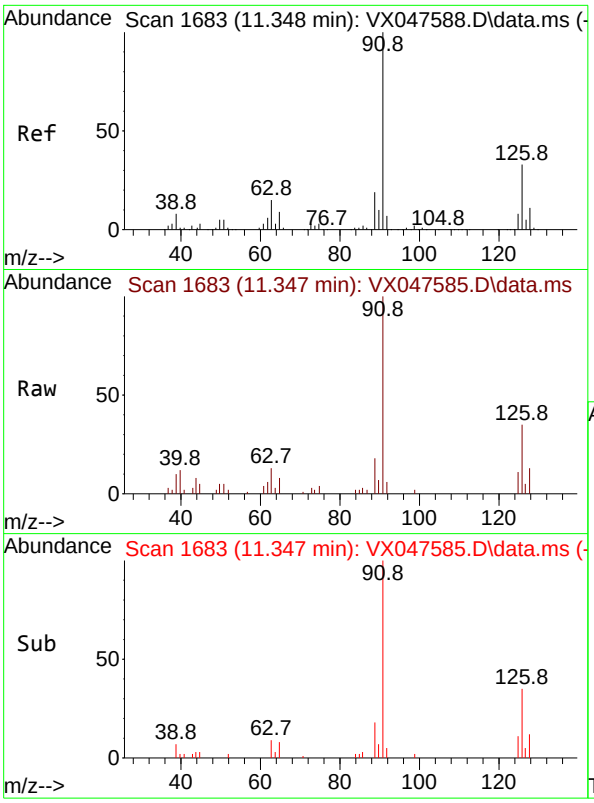


#78
n-propylbenzene
Concen: 0.819 ug/l
RT: 11.286 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 91 Resp: 14866

Ion	Ratio	Lower	Upper
91	100		
120	21.4	11.1	33.1



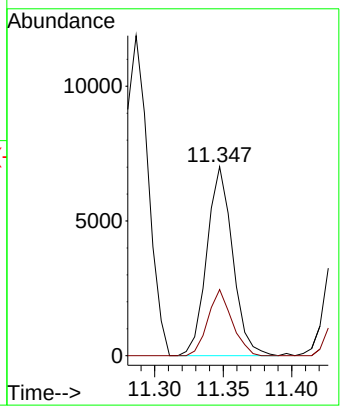


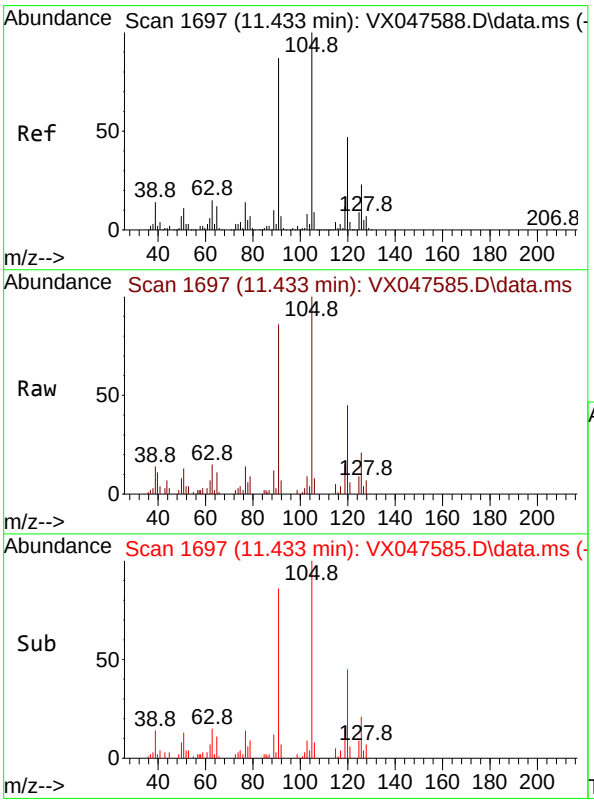
#79
2-Chlorotoluene
Concen: 0.827 ug/l
RT: 11.347 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 91 Resp: 9195

Ion	Ratio	Lower	Upper
91	100		
126	32.5	16.1	48.3

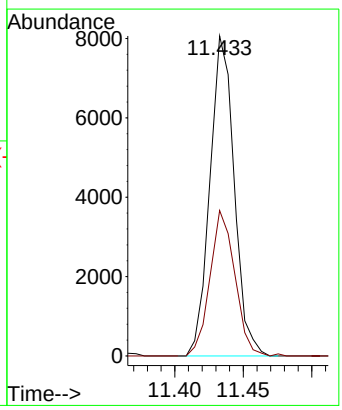


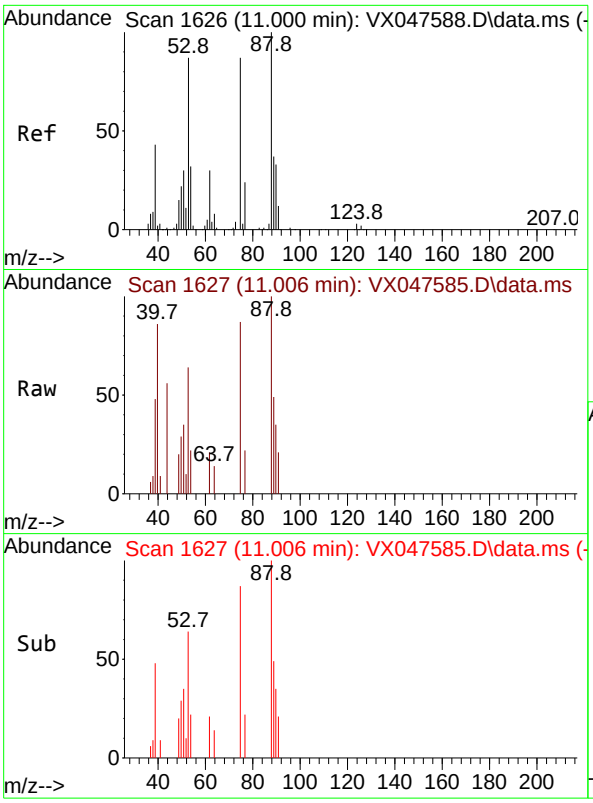


#80
1,3,5-Trimethylbenzene
Concen: 0.787 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:105 Resp: 9929

Ion	Ratio	Lower	Upper
105	100		
120	46.7	23.6	70.8



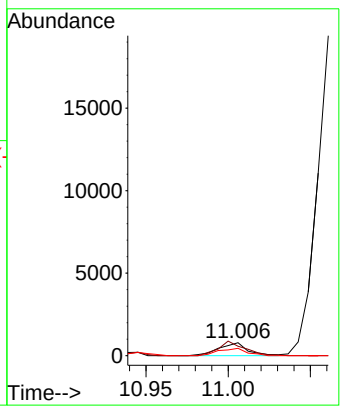


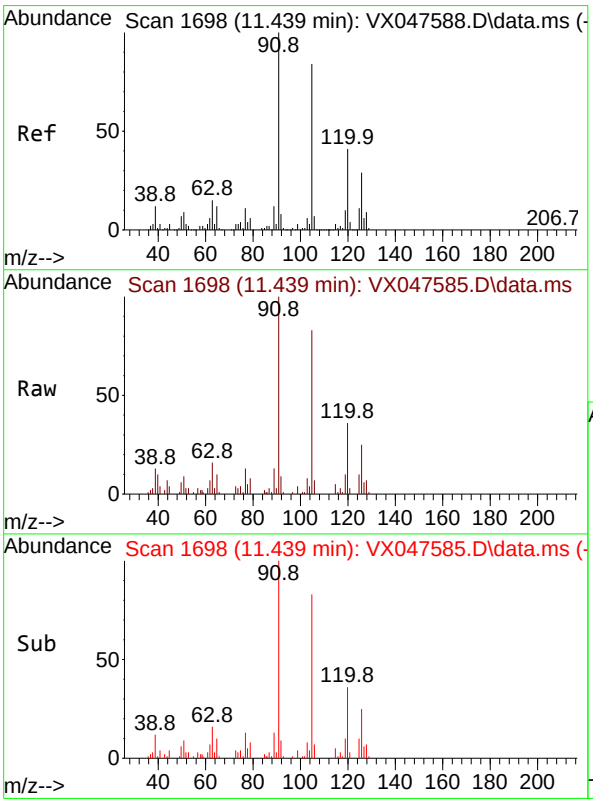
#81
trans-1,4-Dichloro-2-butene
Concen: 0.599 ug/l
RT: 11.006 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 75 Resp: 960

Ion	Ratio	Lower	Upper
75	100		
53	103.2	83.4	125.2
89	55.2	36.3	54.5#

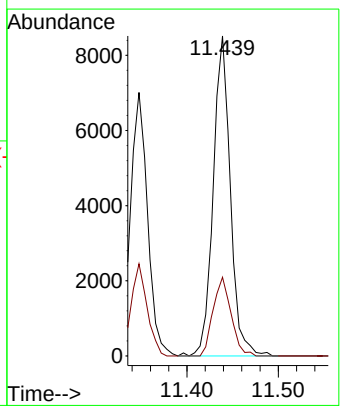


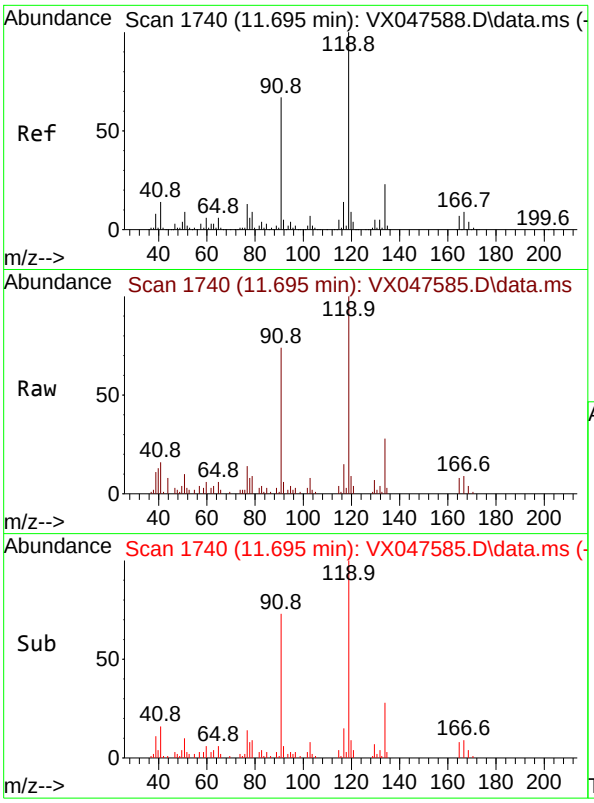


#82
4-Chlorotoluene
Concen: 0.847 ug/l
RT: 11.439 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 91 Resp: 11123

Ion	Ratio	Lower	Upper
91	100		
126	25.8	14.2	42.6



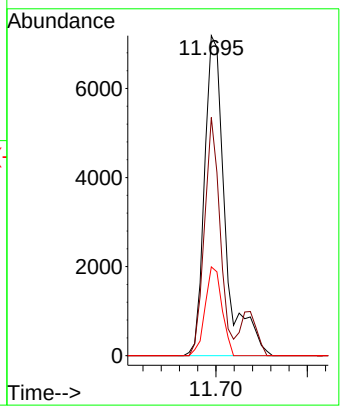


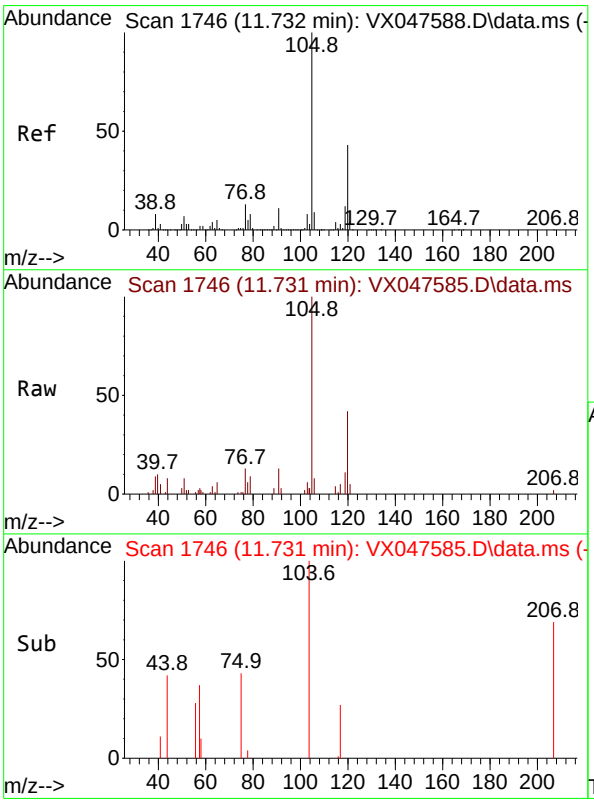
#83
tert-Butylbenzene
Concen: 0.876 ug/l
RT: 11.695 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:119 Resp: 11311

Ion	Ratio	Lower	Upper
119	100		
91	56.1	29.6	88.8
134	22.5	11.0	33.0

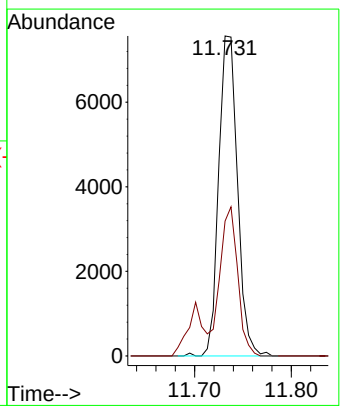


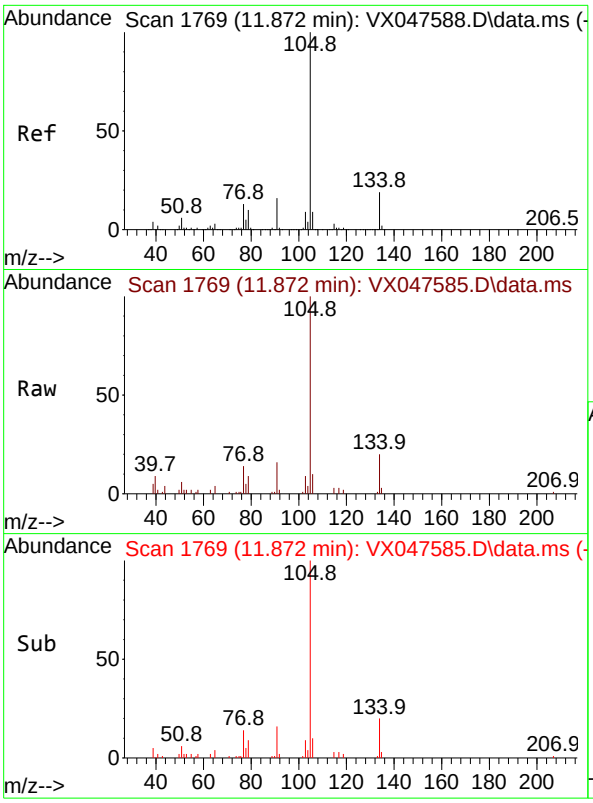


#84
1,2,4-Trimethylbenzene
Concen: 0.796 ug/l
RT: 11.731 min Scan# 1746
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:105 Resp: 10187

Ion	Ratio	Lower	Upper
105	100		
120	44.2	22.1	66.1



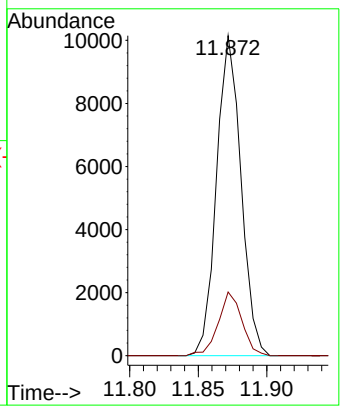


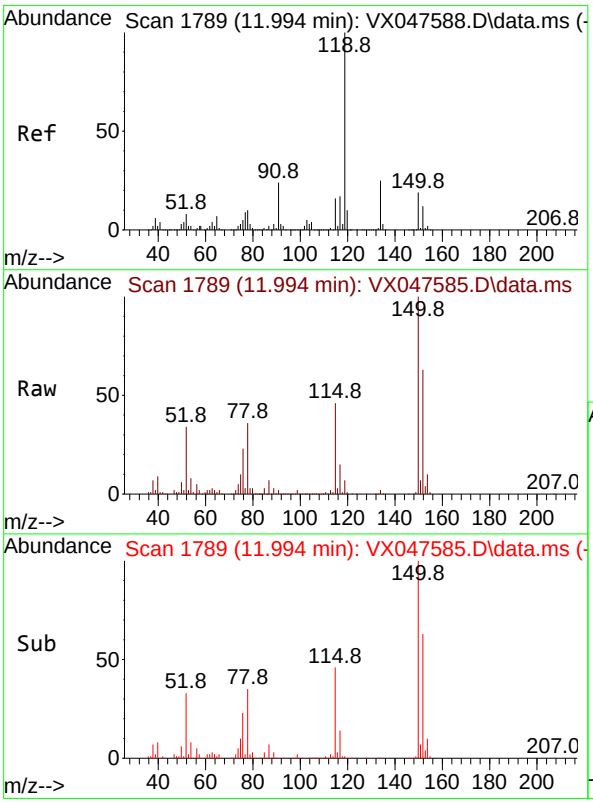
#85
sec-Butylbenzene
Concen: 0.819 ug/l
RT: 11.872 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:105 Resp: 12561

Ion	Ratio	Lower	Upper
105	100		
134	19.3	9.8	29.5

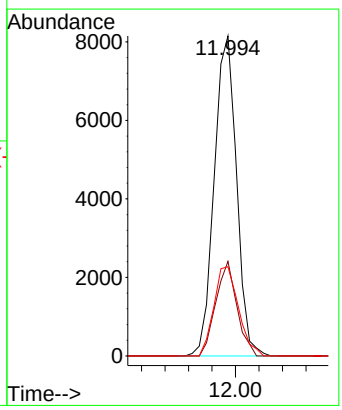


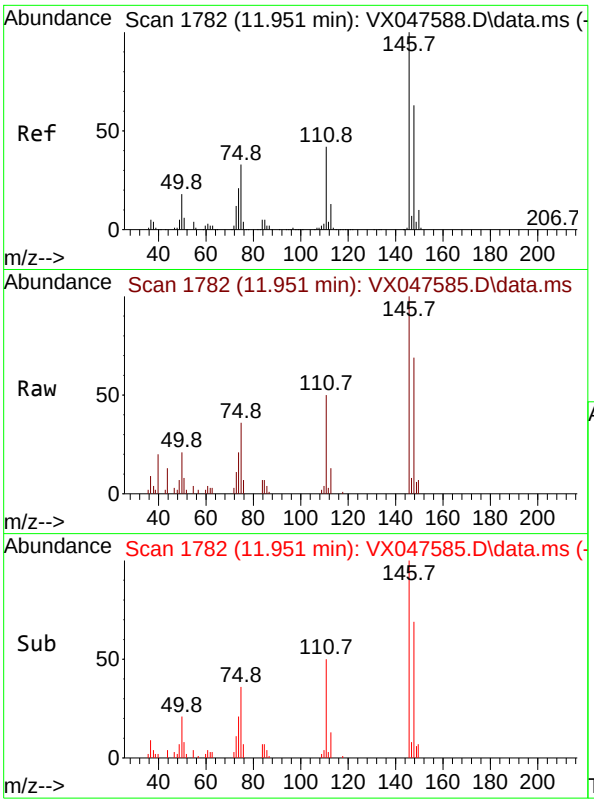


#86
p-Isopropyltoluene
Concen: 0.827 ug/l
RT: 11.994 min Scan# 1789
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:119 Resp: 10744

Ion	Ratio	Lower	Upper
119	100		
134	27.9	12.6	37.8
91	30.8	12.6	37.6



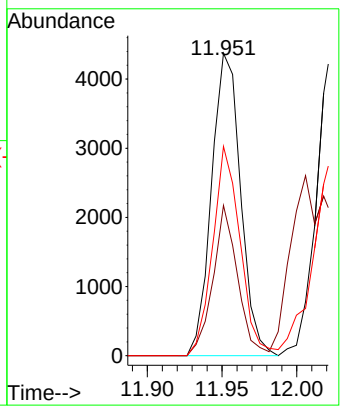


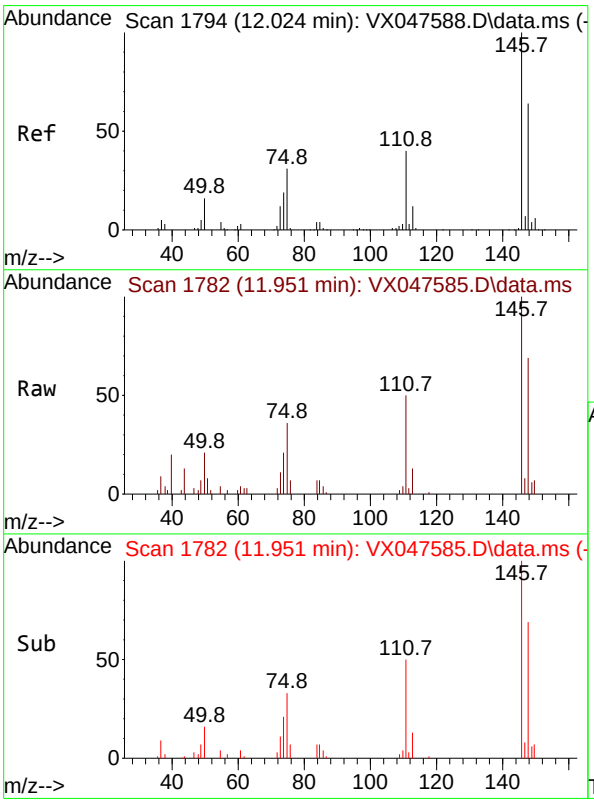
#87
1,3-Dichlorobenzene
Concen: 0.841 ug/l
RT: 11.951 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:146 Resp: 5907

Ion	Ratio	Lower	Upper
146	100		
111	42.2	21.5	64.5
148	65.5	32.0	96.0

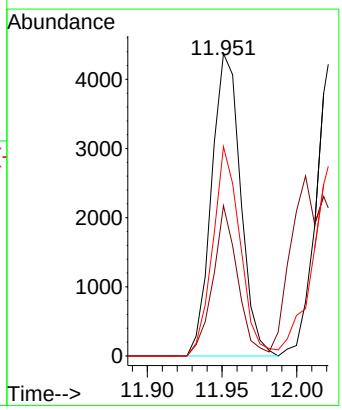


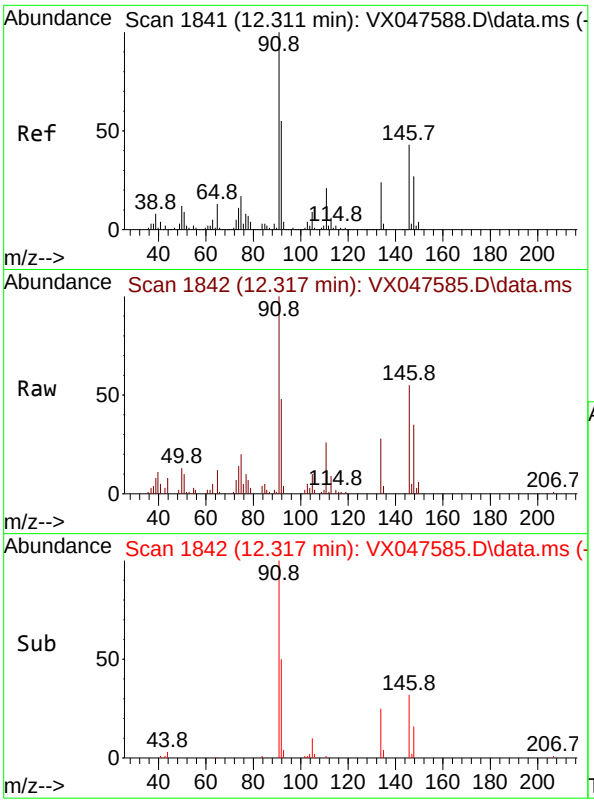


#88
1,4-Dichlorobenzene
Concen: 0.819 ug/l
RT: 11.951 min Scan# 1782
Delta R.T. -0.073 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:146 Resp: 5907

Ion	Ratio	Lower	Upper
146	100		
111	42.2	20.8	62.4
148	65.5	31.7	95.1



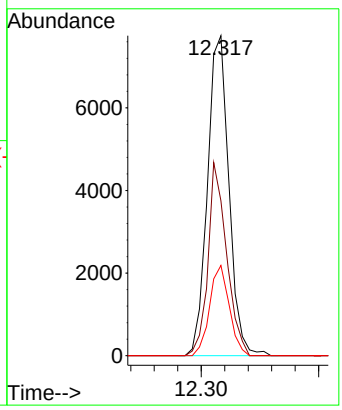


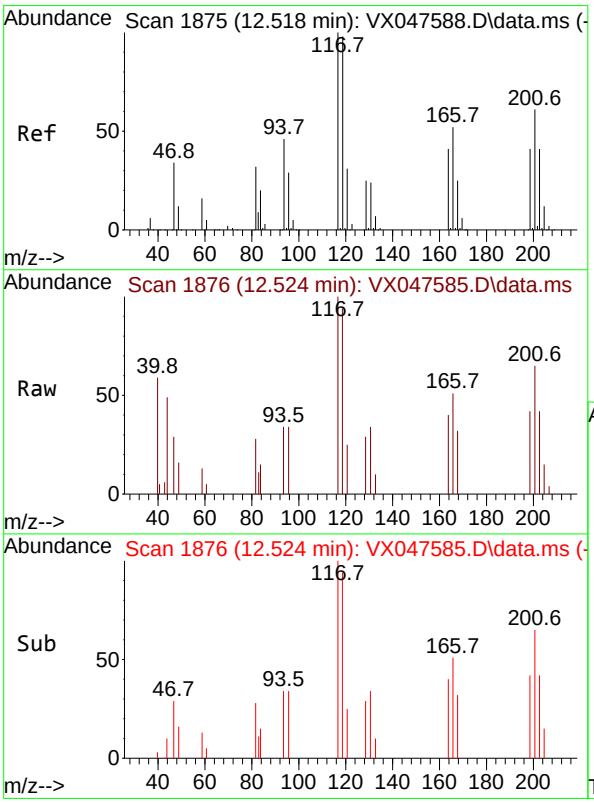
#89
n-Butylbenzene
Concen: 0.816 ug/l
RT: 12.317 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 91 Resp: 9811

Ion	Ratio	Lower	Upper
91	100		
92	52.4	27.6	82.7
134	25.9	12.6	37.8

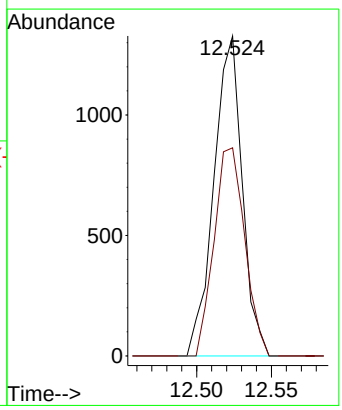


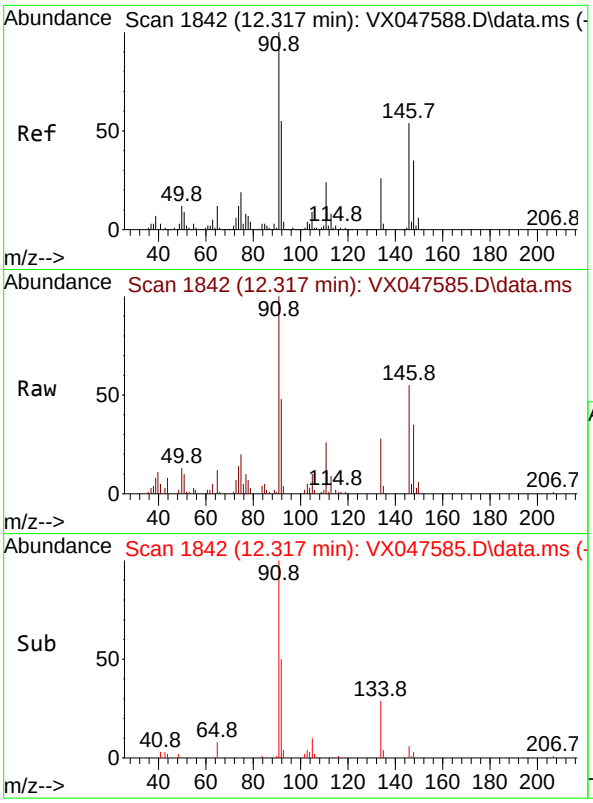


#90
Hexachloroethane
Concen: 0.768 ug/l
RT: 12.524 min Scan# 1876
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:117 Resp: 1752

Ion	Ratio	Lower	Upper
117	100		
201	70.4	34.2	102.5



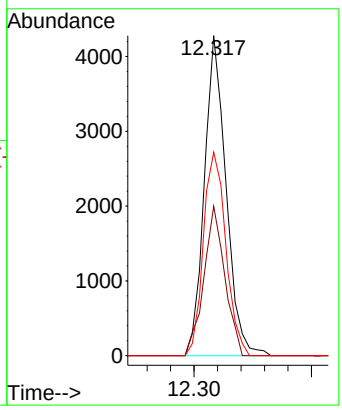


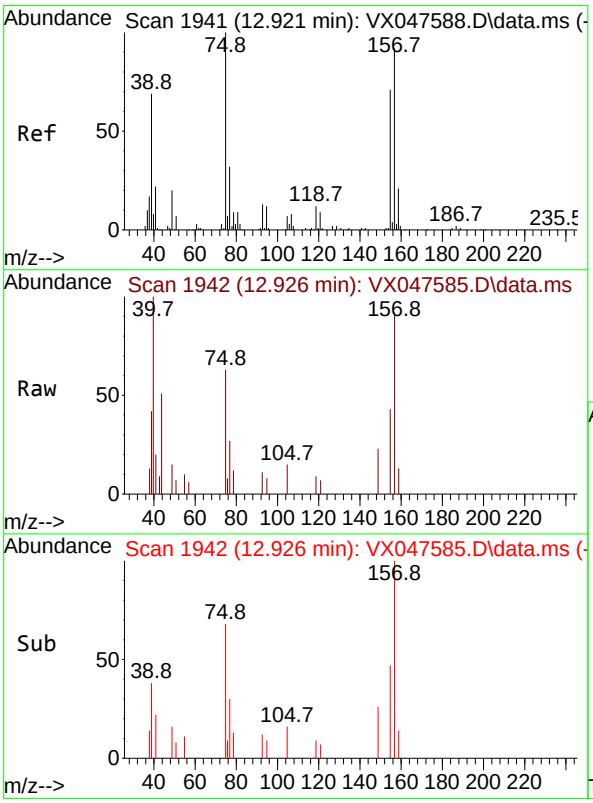
#91
1,2-Dichlorobenzene
Concen: 0.820 ug/l
RT: 12.317 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:146 Resp: 5491

Ion	Ratio	Lower	Upper
146	100		
111	45.2	22.2	66.6
148	65.8	31.8	95.4

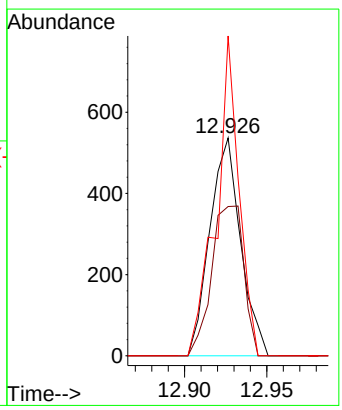


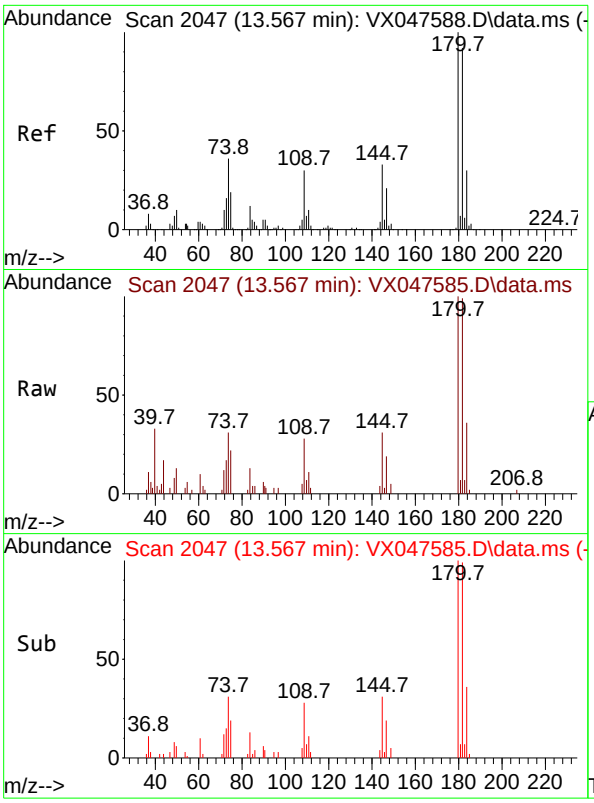


#92
1,2-Dibromo-3-Chloropropane
Concen: 0.742 ug/l
RT: 12.926 min Scan# 1942
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 75 Resp: 698

Ion	Ratio	Lower	Upper
75	100		
155	72.1	37.7	113.1
157	108.7	49.8	149.4



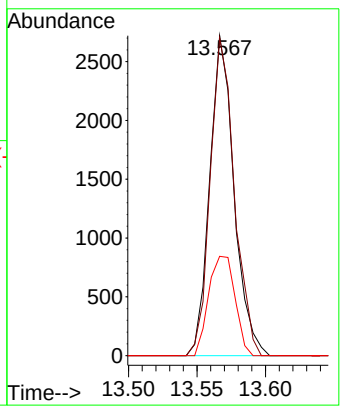


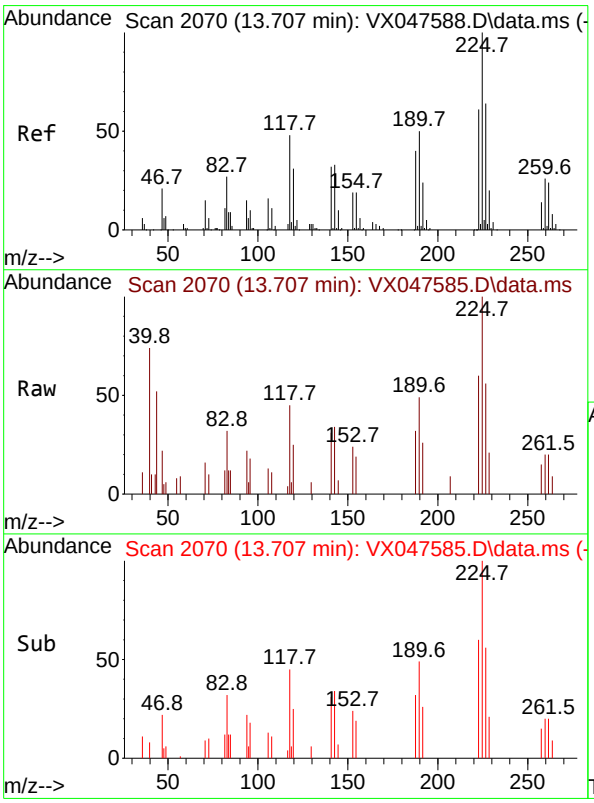
#93
1,2,4-Trichlorobenzene
Concen: 0.772 ug/l
RT: 13.567 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:180 Resp: 3358

Ion	Ratio	Lower	Upper
180	100		
182	98.6	46.6	139.8
145	33.7	16.4	49.1

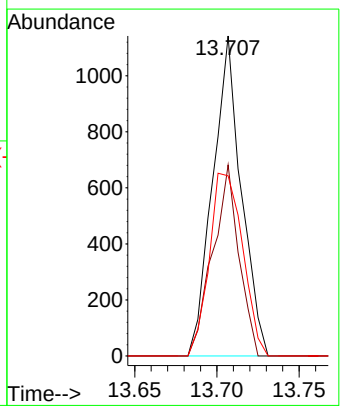


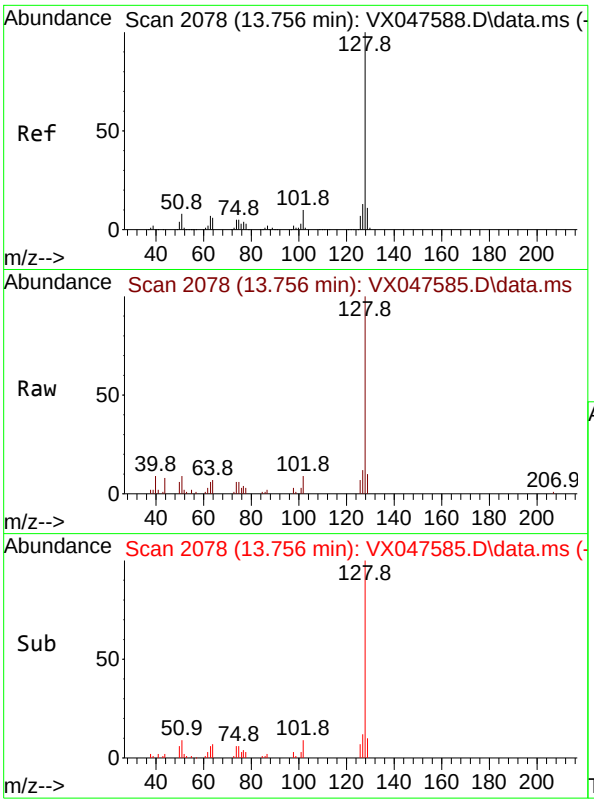


#94
Hexachlorobutadiene
Concen: 0.933 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:225 Resp: 1378

Ion	Ratio	Lower	Upper
225	100		
223	54.8	31.7	95.1
227	66.7	32.0	96.0



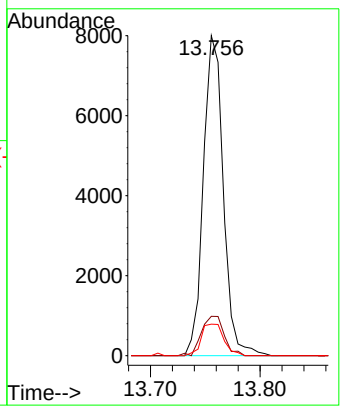


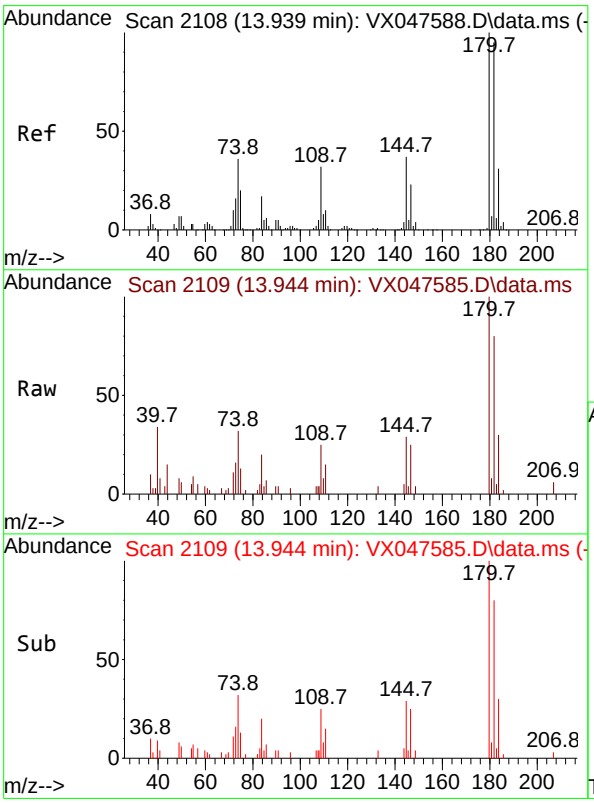
#95
Naphthalene
Concen: 0.763 ug/l
RT: 13.756 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:128 Resp: 10112

Ion	Ratio	Lower	Upper
128	100		
127	14.0	10.2	15.2
129	11.2	8.8	13.2

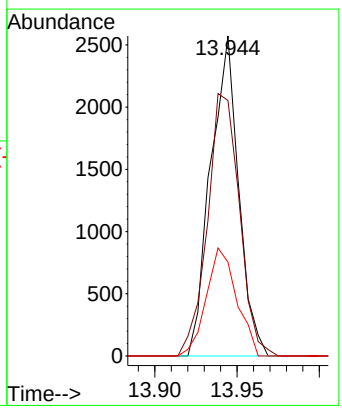




#96
1,2,3-Trichlorobenzene
Concen: 0.752 ug/l
RT: 13.944 min Scan# 2109
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:180 Resp: 3043

Ion	Ratio	Lower	Upper
180	100		
182	93.7	47.6	142.8
145	36.6	17.9	53.7



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047586.D
Acq On : 16 Sep 2025 10:16
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Quant Time: Sep 22 01:48:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.538	168	198376	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	355026	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	317288	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	156219	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	17538	5.554	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	11.100%#		
35) Dibromofluoromethane	5.373	113	12647	5.312	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	10.620%#		
50) Toluene-d8	8.635	98	43926	5.332	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	10.660%#		
62) 4-Bromofluorobenzene	11.061	95	16974	5.429	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	10.860%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.173	85	11403	5.551	ug/l	93
3) Chloromethane	1.301	50	14854	5.502	ug/l	99
4) Vinyl Chloride	1.380	62	14147	5.353	ug/l	97
5) Bromomethane	1.618	94	9780	5.836	ug/l	87
6) Chloroethane	1.697	64	8926	5.053	ug/l	96
7) Trichlorofluoromethane	1.898	101	20497	5.223	ug/l	100
8) Diethyl Ether	2.136	74	8039	5.008	ug/l	93
9) 1,1,2-Trichlorotrifluo...	2.331	101	11729	5.112	ug/l	98
10) Methyl Iodide	2.453	142	17159	4.795	ug/l	98
11) Tert butyl alcohol	2.947	59	8399	23.883	ug/l	99
12) 1,1-Dichloroethene	2.325	96	12131	5.147	ug/l	91
13) Acrolein	2.239	56	7080	21.847	ug/l	95
14) Allyl chloride	2.666	41	25135	5.168	ug/l	99
15) Acrylonitrile	3.062	53	32587	25.016	ug/l	99
16) Acetone	2.374	43	41297	30.079	ug/l	97
17) Carbon Disulfide	2.514	76	34426	5.335	ug/l	100
18) Methyl Acetate	2.703	43	13357	4.371	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	44396	5.160	ug/l	98
20) Methylene Chloride	2.788	84	15307	5.267	ug/l	94
21) trans-1,2-Dichloroethene	3.093	96	13937	5.492	ug/l	97
22) Diisopropyl ether	3.757	45	50213	5.327	ug/l	98
23) Vinyl Acetate	3.715	43	192175	25.474	ug/l	99
24) 1,1-Dichloroethane	3.611	63	26292	5.248	ug/l	97
25) 2-Butanone	4.544	43	46651	27.240	ug/l	92
26) 2,2-Dichloropropane	4.465	77	21738	5.220	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	15996	5.147	ug/l	98
28) Bromochloromethane	4.891	49	12047	5.508	ug/l	95
29) Tetrahydrofuran	4.995	42	26729	25.944	ug/l	92
30) Chloroform	5.080	83	27054	5.344	ug/l	99
31) Cyclohexane	5.458	56	23032	5.520	ug/l	94
32) 1,1,1-Trichloroethane	5.367	97	22279	5.188	ug/l	96
36) 1,1-Dichloropropene	5.684	75	18455	5.304	ug/l	98
37) Ethyl Acetate	4.708	43	19913	5.345	ug/l #	97
38) Carbon Tetrachloride	5.666	117	20376	5.390	ug/l	96
39) Methylcyclohexane	7.367	83	20900	5.292	ug/l	97
40) Benzene	6.019	78	55996	5.299	ug/l	99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047586.D
Acq On : 16 Sep 2025 10:16
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Quant Time: Sep 22 01:48:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.904	41	9390	4.883	ug/l		95
42) 1,2-Dichloroethane	6.074	62	21117	5.252	ug/l		99
43) Isopropyl Acetate	6.324	43	31304	5.124	ug/l		99
44) Trichloroethene	7.111	130	13576	5.314	ug/l		97
45) 1,2-Dichloropropane	7.415	63	14305	5.287	ug/l		99
46) Dibromomethane	7.568	93	10133	5.146	ug/l		99
47) Bromodichloromethane	7.806	83	21270	5.235	ug/l		99
48) Methyl methacrylate	7.677	41	14959	4.915	ug/l		99
49) 1,4-Dioxane	7.653	88	3017	98.096	ug/l	#	90
51) 4-Methyl-2-Pentanone	8.555	43	87492	25.828	ug/l		100
52) Toluene	8.702	92	34314	5.271	ug/l		98
53) t-1,3-Dichloropropene	8.964	75	20863	5.034	ug/l		97
54) cis-1,3-Dichloropropene	8.354	75	23157	5.227	ug/l		98
55) 1,1,2-Trichloroethane	9.135	97	12968	5.166	ug/l		91
56) Ethyl methacrylate	9.104	69	19980	5.068	ug/l		97
57) 1,3-Dichloropropane	9.293	76	22989	5.331	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.226	63	37585	27.899	ug/l		98
59) 2-Hexanone	9.415	43	66356	27.275	ug/l		99
60) Dibromochloromethane	9.506	129	14705	5.084	ug/l		95
61) 1,2-Dibromoethane	9.592	107	13461	5.264	ug/l		98
64) Tetrachloroethene	9.256	164	11228	5.428	ug/l		97
65) Chlorobenzene	10.061	112	37507	5.203	ug/l		96
66) 1,1,1,2-Tetrachloroethane	10.147	131	12807	5.149	ug/l		99
67) Ethyl Benzene	10.177	91	65908	5.299	ug/l		100
68) m/p-Xylenes	10.287	106	49132	10.613	ug/l		99
69) o-Xylene	10.628	106	23300	5.204	ug/l		98
70) Styrene	10.640	104	40872	5.210	ug/l		99
71) Bromoform	10.781	173	9298	5.006	ug/l	#	97
73) Isopropylbenzene	10.945	105	61029	5.139	ug/l		100
74) N-amyl acetate	10.823	43	26969	4.980	ug/l		100
75) 1,1,2,2-Tetrachloroethane	11.195	83	18462	5.138	ug/l		98
76) 1,2,3-Trichloropropane	11.220	75	18494	5.847	ug/l		96
77) Bromobenzene	11.183	156	15066	5.150	ug/l		99
78) n-propylbenzene	11.287	91	72900	5.192	ug/l		100
79) 2-Chlorotoluene	11.348	91	44663	5.194	ug/l		99
80) 1,3,5-Trimethylbenzene	11.433	105	50535	5.179	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.000	75	5413	4.364	ug/l		91
82) 4-Chlorotoluene	11.439	91	52294	5.149	ug/l		100
83) tert-Butylbenzene	11.695	119	50350	5.041	ug/l		99
84) 1,2,4-Trimethylbenzene	11.732	105	51583	5.214	ug/l		100
85) sec-Butylbenzene	11.872	105	62507	5.268	ug/l		99
86) p-Isopropyltoluene	11.994	119	52674	5.244	ug/l		98
87) 1,3-Dichlorobenzene	11.951	146	28116	5.175	ug/l		100
88) 1,4-Dichlorobenzene	12.024	146	29519	5.294	ug/l		93
89) n-Butylbenzene	12.317	91	47953	5.159	ug/l		99
90) Hexachloroethane	12.518	117	8830	5.007	ug/l		100
91) 1,2-Dichlorobenzene	12.317	146	26409	5.102	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.920	75	3412	4.690	ug/l		99
93) 1,2,4-Trichlorobenzene	13.567	180	17167	5.103	ug/l		98
94) Hexachlorobutadiene	13.707	225	5894	5.158	ug/l		99
95) Naphthalene	13.756	128	49257	4.808	ug/l		99
96) 1,2,3-Trichlorobenzene	13.939	180	15400	4.921	ug/l		97

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047586.D
Acq On : 16 Sep 2025 10:16
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Quant Time: Sep 22 01:48:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

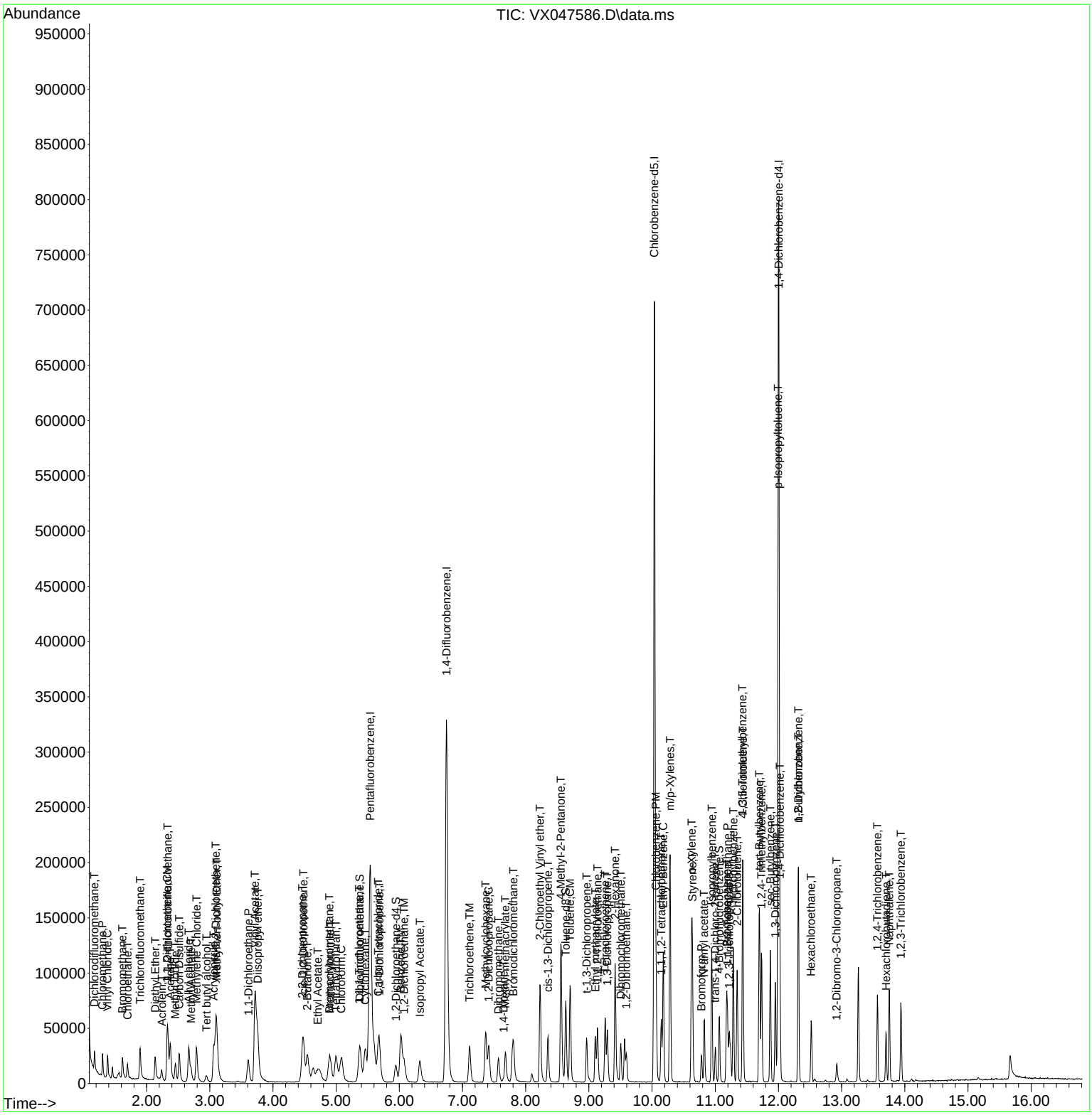
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

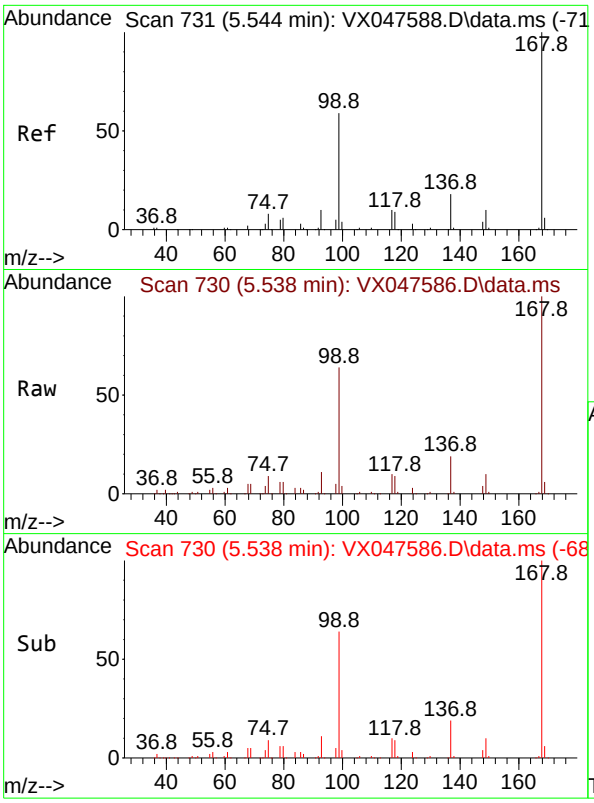
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047586.D
Acq On : 16 Sep 2025 10:16
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Quant Time: Sep 22 01:48:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



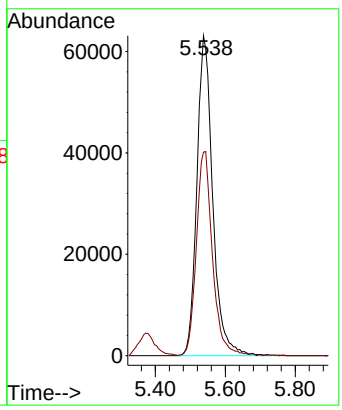


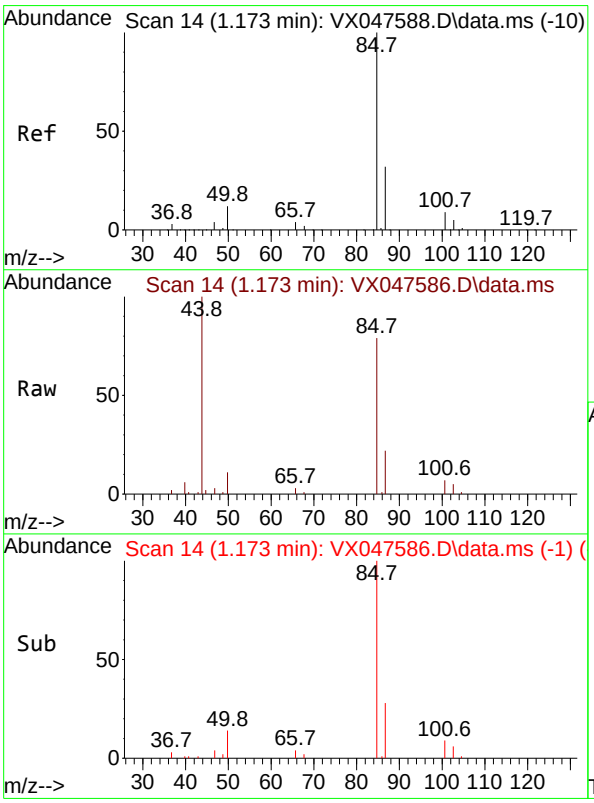
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:168 Resp: 198376

Ion	Ratio	Lower	Upper
168	100		
99	63.5	48.8	73.2

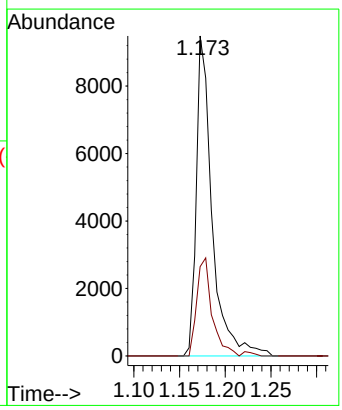


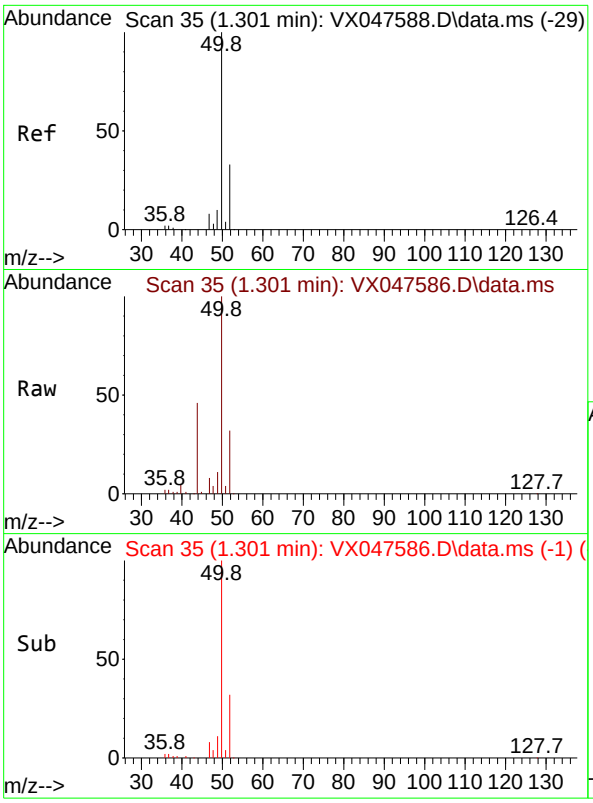


#2
Dichlorodifluoromethane
Concen: 5.551 ug/l
RT: 1.173 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 85 Resp: 11403

Ion	Ratio	Lower	Upper
85	100		
87	27.9	15.8	47.3



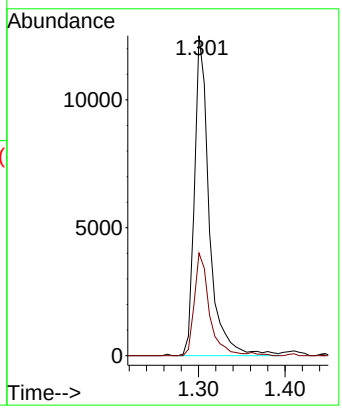


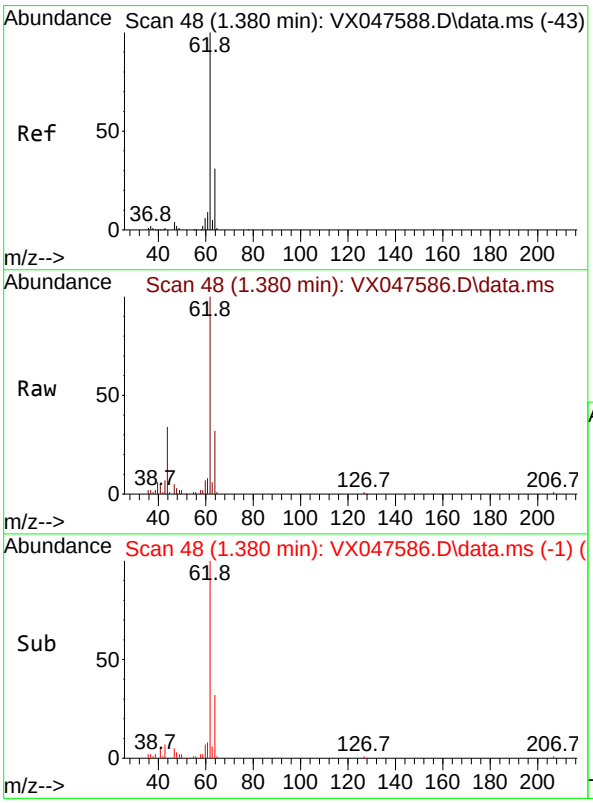
#3
Chloromethane
Concen: 5.502 ug/l
RT: 1.301 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 50 Resp: 14854

Ion	Ratio	Lower	Upper
50	100		
52	32.0	26.1	39.1

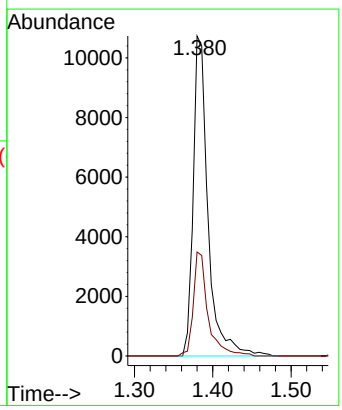


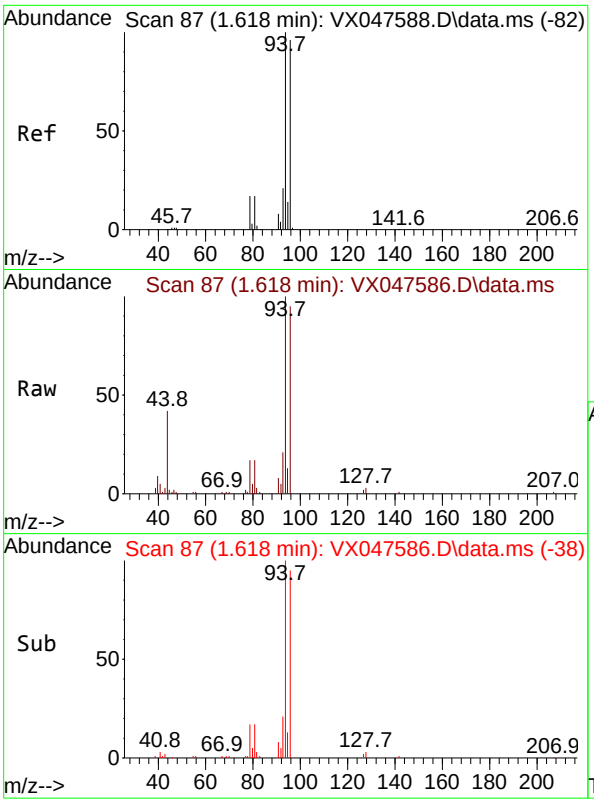


#4
Vinyl Chloride
Concen: 5.353 ug/l
RT: 1.380 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 62 Resp: 14147

Ion	Ratio	Lower	Upper
62	100		
64	32.5	24.9	37.3



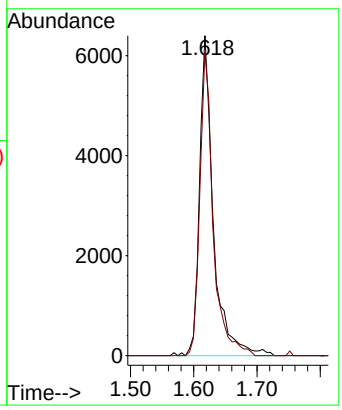


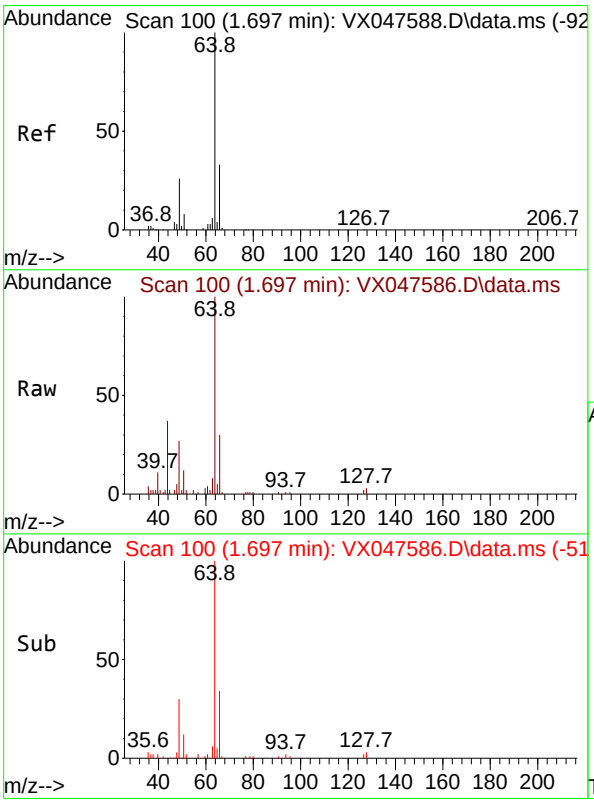
#5
Bromomethane
Concen: 5.836 ug/l
RT: 1.618 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 94 Resp: 9780

Ion	Ratio	Lower	Upper
94	100		
96	83.6	76.6	115.0

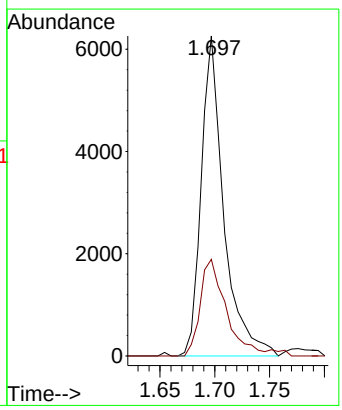


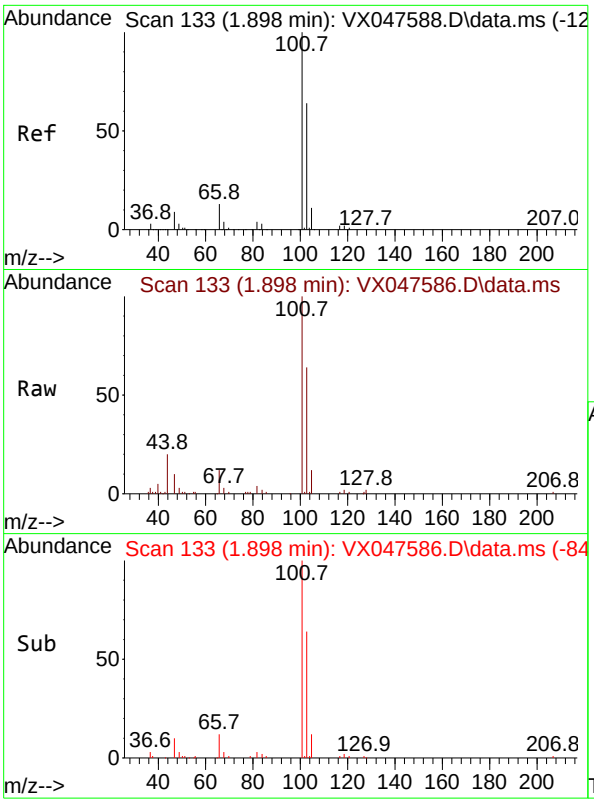


#6
Chloroethane
Concen: 5.053 ug/l
RT: 1.697 min Scan# 100
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 64 Resp: 8926

Ion	Ratio	Lower	Upper
64	100		
66	30.2	26.1	39.1



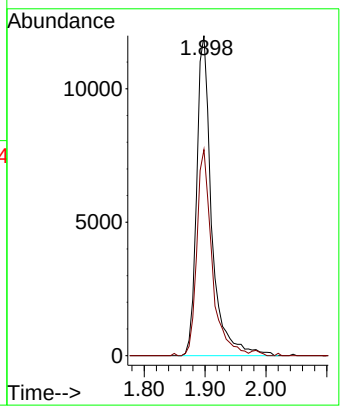


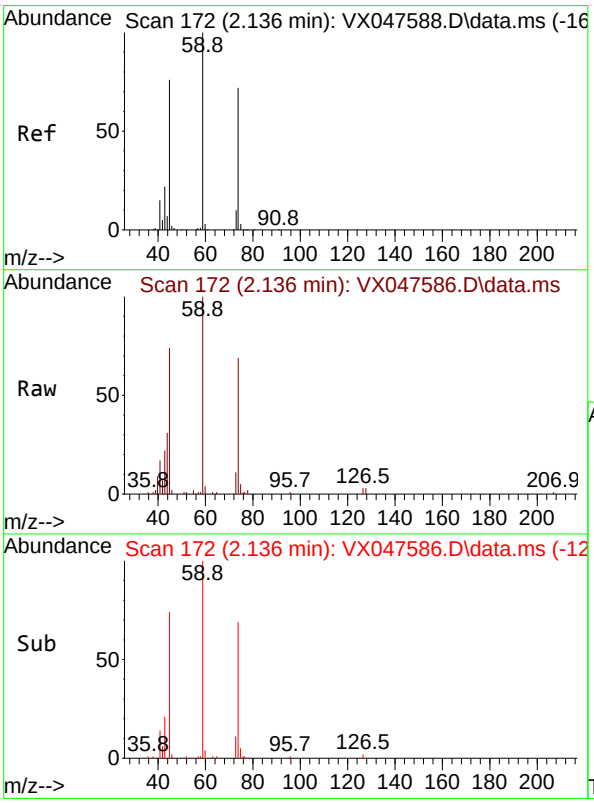
#7
Trichlorofluoromethane
Concen: 5.223 ug/l
RT: 1.898 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:101 Resp: 20497

Ion	Ratio	Lower	Upper
101	100		
103	64.4	51.4	77.2

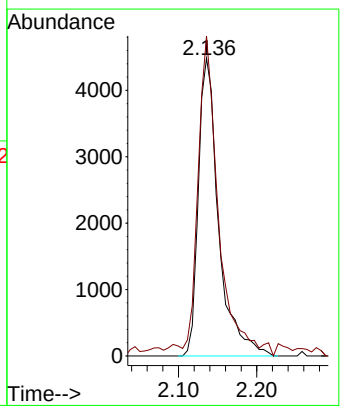


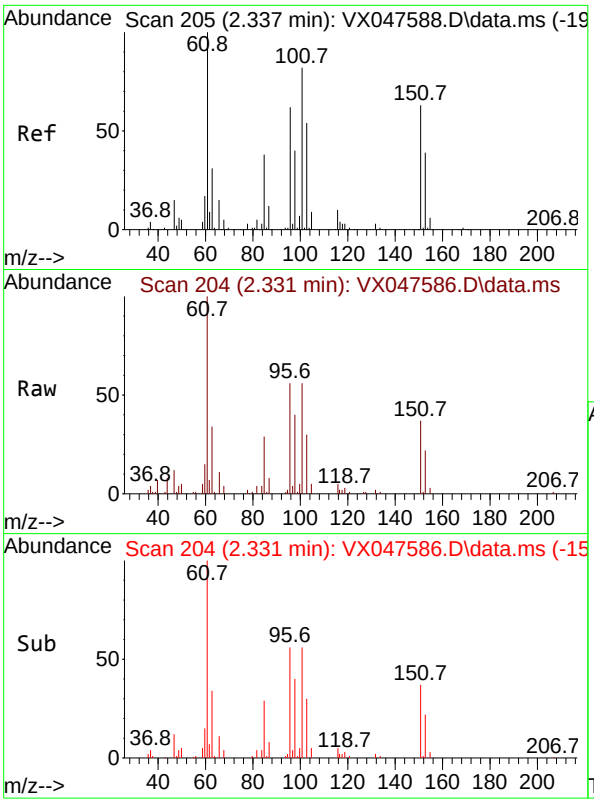


#8
Diethyl Ether
Concen: 5.008 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 74 Resp: 8039

Ion	Ratio	Lower	Upper
74	100		
45	111.7	52.3	156.8



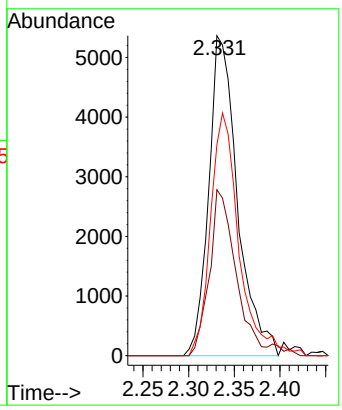


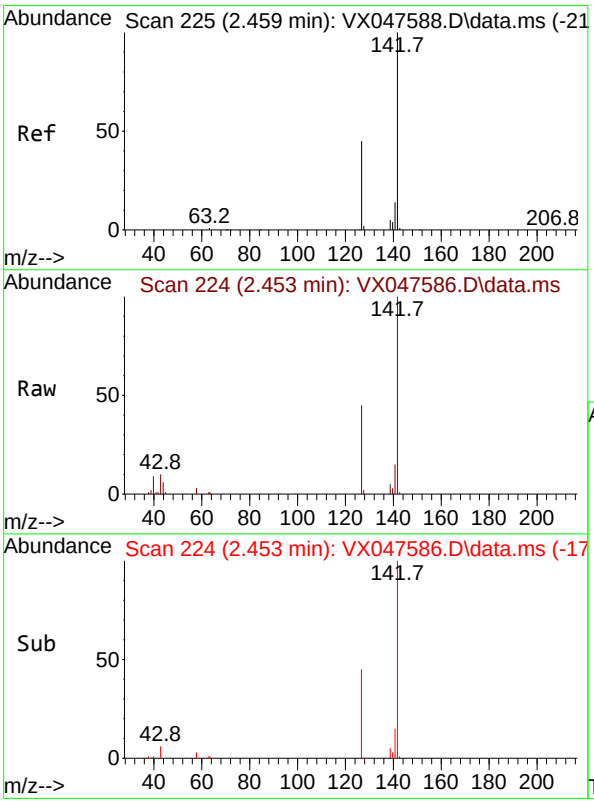
#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.112 ug/l
RT: 2.331 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:101 Resp: 11729

Ion	Ratio	Lower	Upper
101	100		
85	47.5	35.5	53.3
151	75.0	59.4	89.0

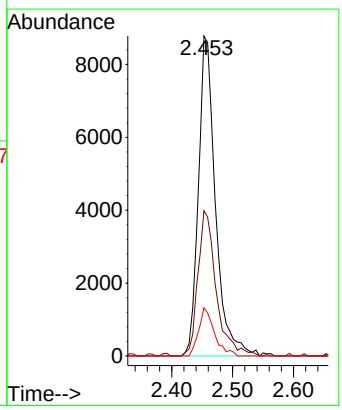


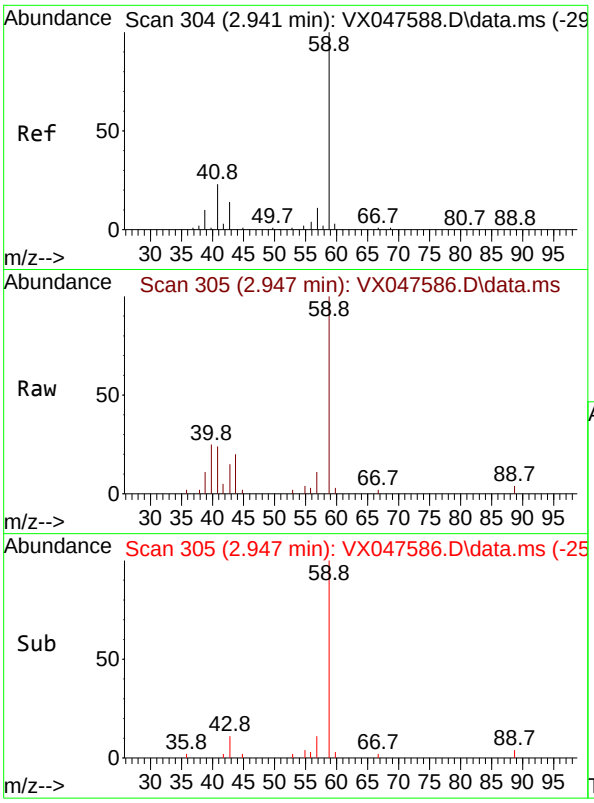


#10
Methyl Iodide
Concen: 4.795 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:142 Resp: 17159

Ion	Ratio	Lower	Upper
142	100		
127	48.4	37.2	55.8
141	13.8	11.4	17.0



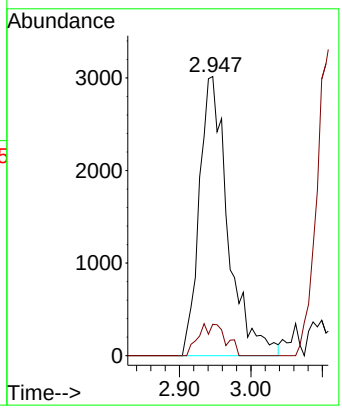


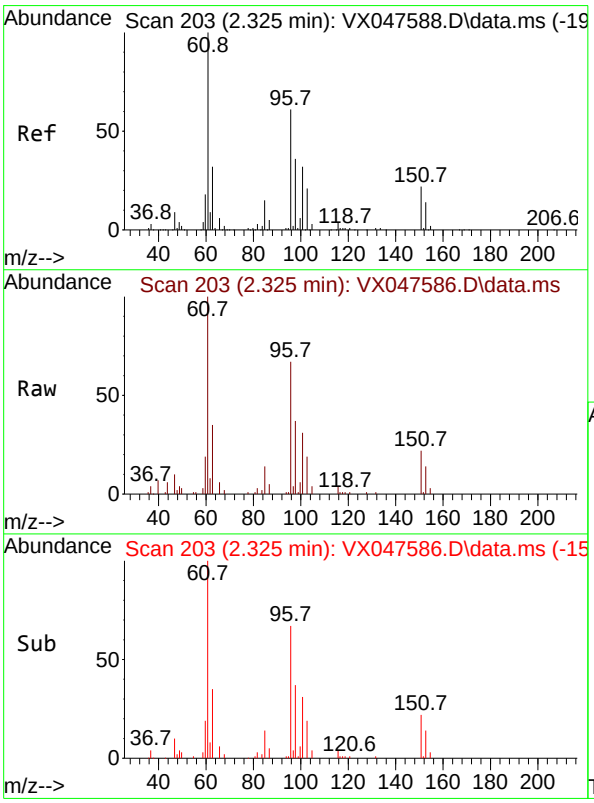
#11
Tert butyl alcohol
Concen: 23.883 ug/l
RT: 2.947 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 59 Resp: 8399

Ion	Ratio	Lower	Upper
59	100		
57	10.8	8.3	12.5

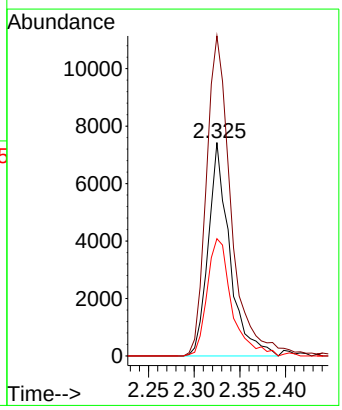


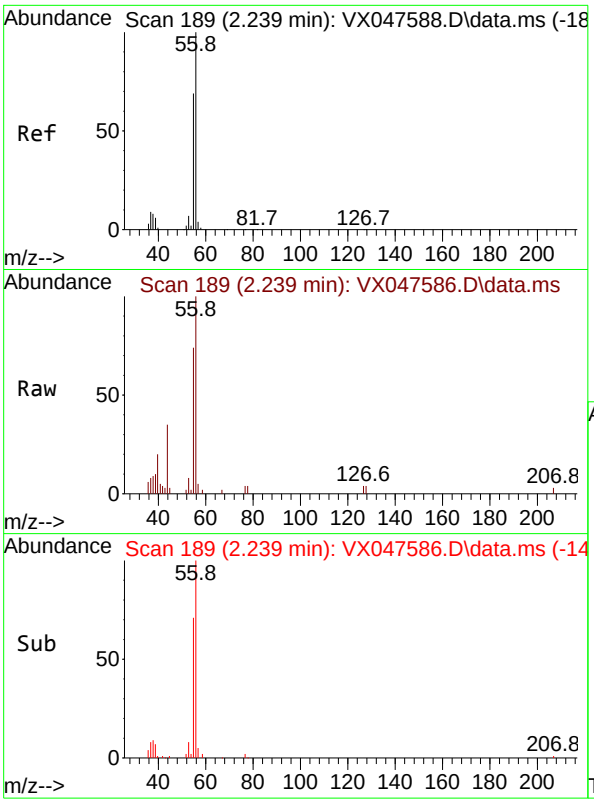


#12
1,1-Dichloroethene
Concen: 5.147 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 96 Resp: 12131

Ion	Ratio	Lower	Upper
96	100		
61	149.9	131.0	196.6
98	54.9	47.7	71.5



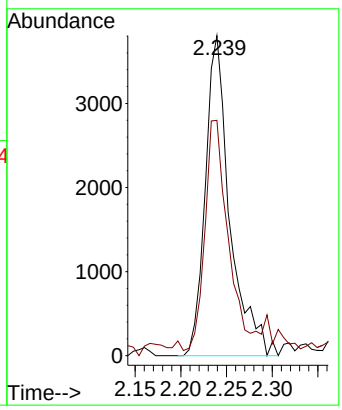


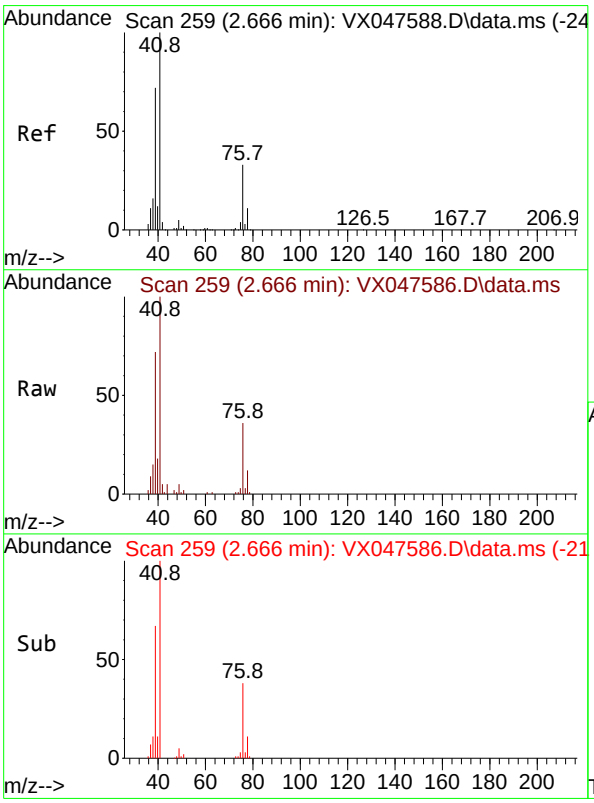
#13
Acrolein
Concen: 21.847 ug/l
RT: 2.239 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 56 Resp: 7080

Ion	Ratio	Lower	Upper
56	100		
55	67.1	57.2	85.8

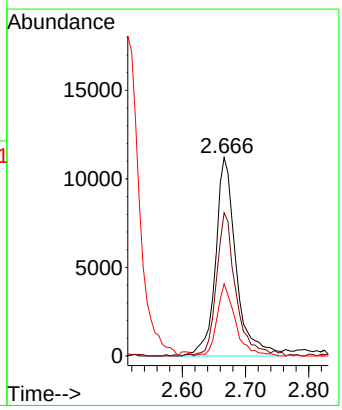


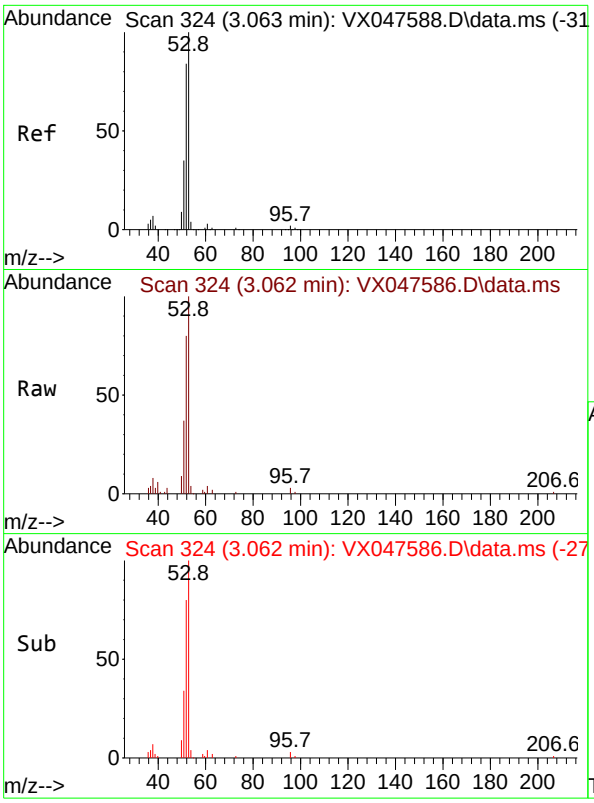


#14
Allyl chloride
Concen: 5.168 ug/l
RT: 2.666 min Scan# 259
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 41 Resp: 25135

Ion	Ratio	Lower	Upper
41	100		
39	69.1	54.7	82.1
76	32.4	25.7	38.5



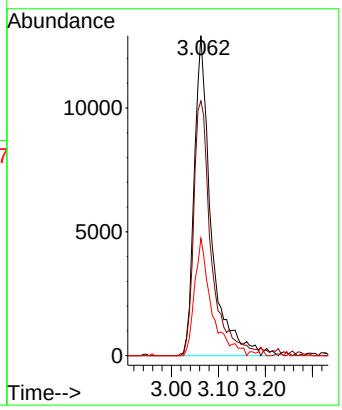


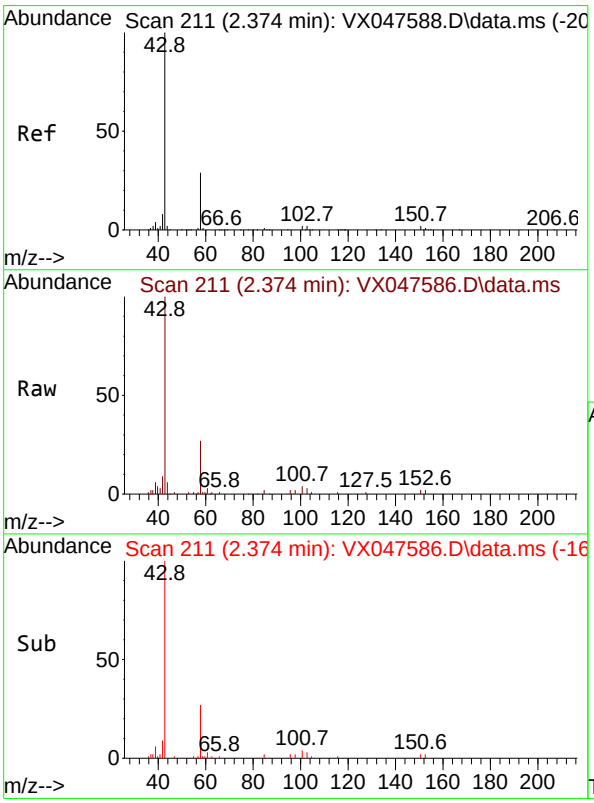
#15
Acrylonitrile
Concen: 25.016 ug/l
RT: 3.062 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 53 Resp: 32587

Ion	Ratio	Lower	Upper
53	100		
52	82.2	66.4	99.6
51	36.5	29.5	44.3

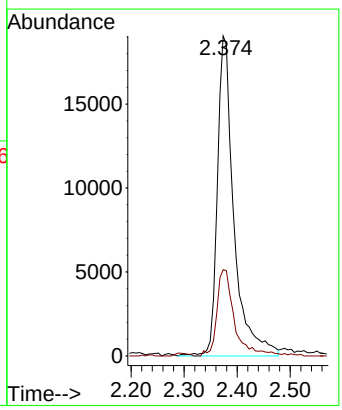


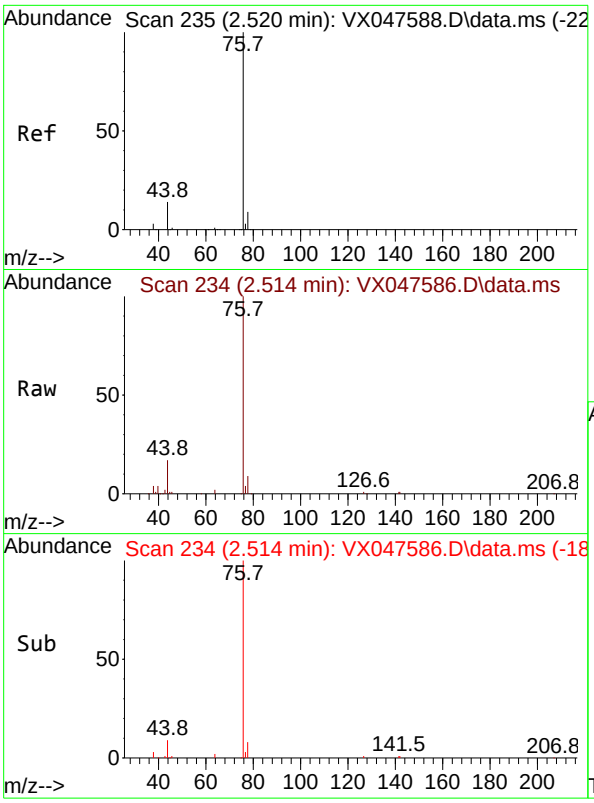


#16
Acetone
Concen: 30.079 ug/l
RT: 2.374 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 43 Resp: 41297

Ion	Ratio	Lower	Upper
43	100		
58	27.6	23.4	35.0



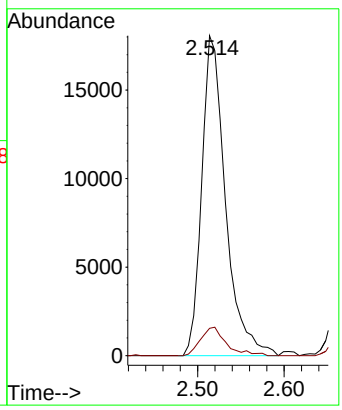


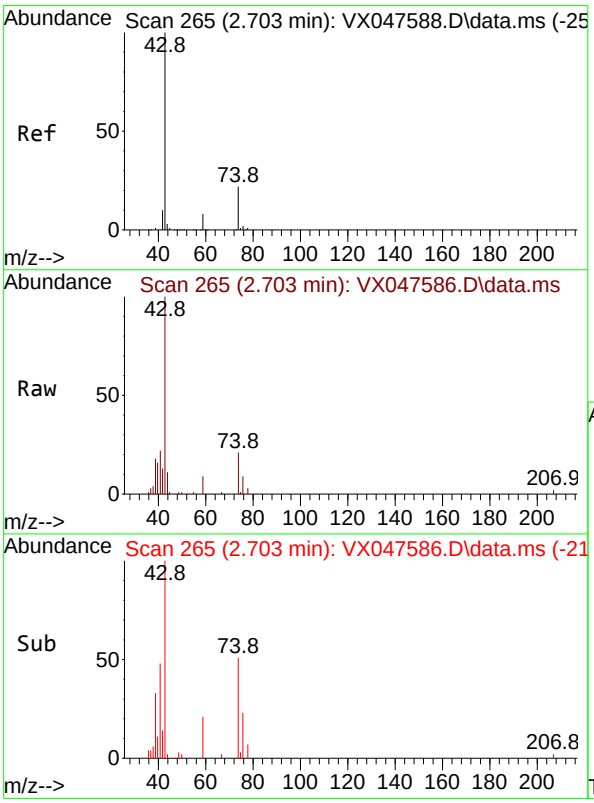
#17
Carbon Disulfide
Concen: 5.335 ug/l
RT: 2.514 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 76 Resp: 34426

Ion	Ratio	Lower	Upper
76	100		
78	8.6	6.8	10.2

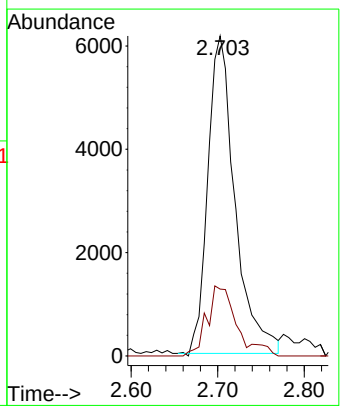


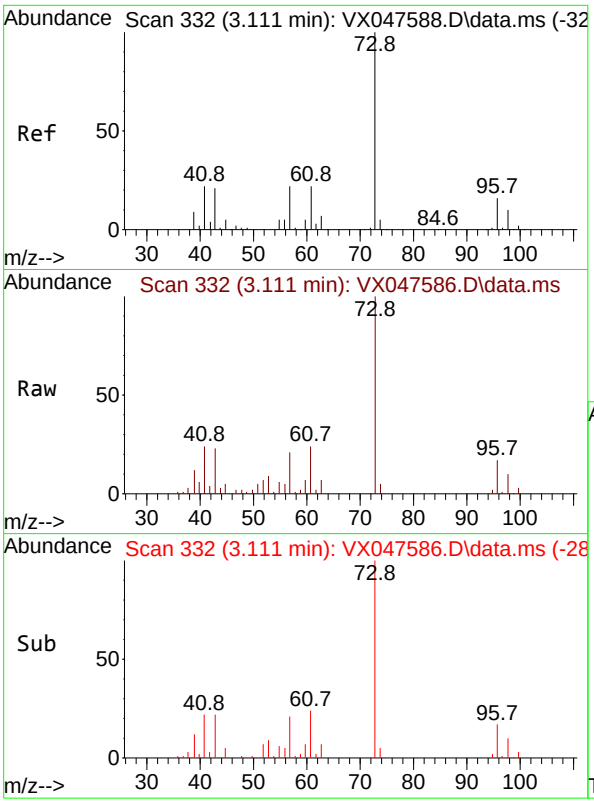


#18
Methyl Acetate
Concen: 4.371 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 43 Resp: 13357

Ion	Ratio	Lower	Upper
43	100		
74	22.9	17.4	26.2



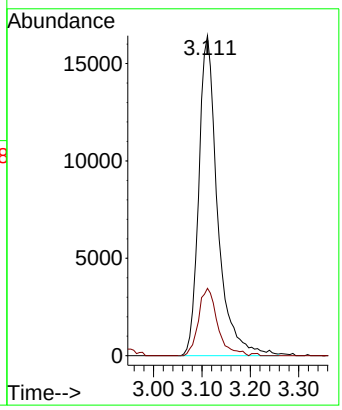


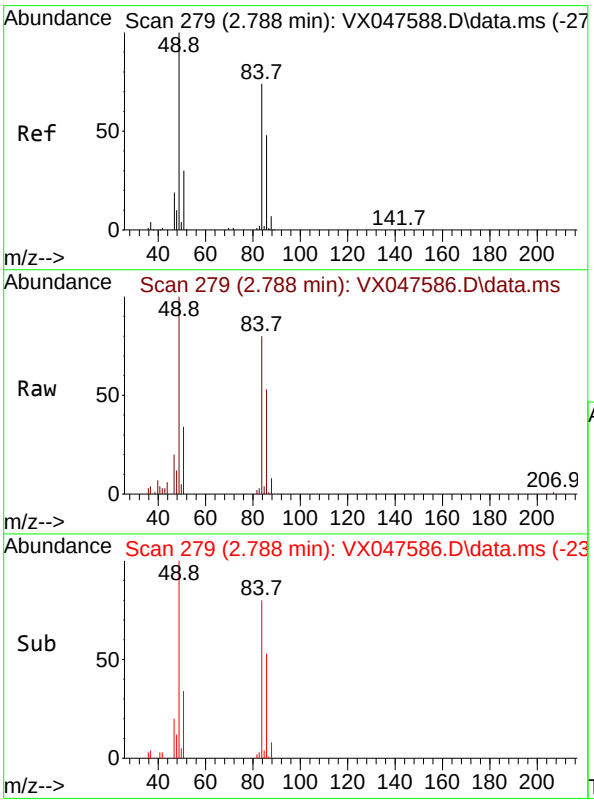
#19
Methyl tert-butyl Ether
Concen: 5.160 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 73 Resp: 44396

Ion	Ratio	Lower	Upper
73	100		
57	21.0	17.4	26.2

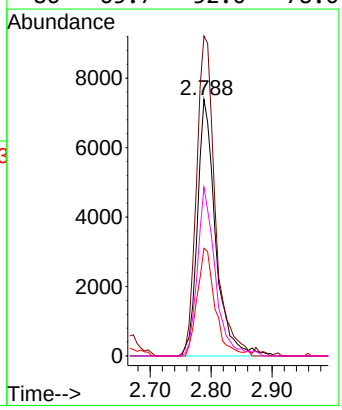


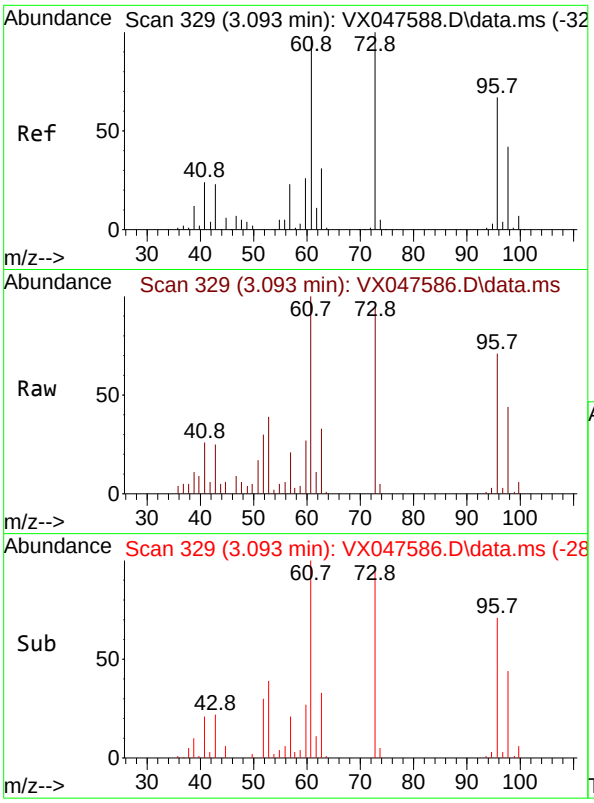


#20
Methylene Chloride
Concen: 5.267 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 84 Resp: 15307

Ion	Ratio	Lower	Upper
84	100		
49	124.7	108.6	162.8
51	42.0	32.6	48.8
86	65.7	52.0	78.0



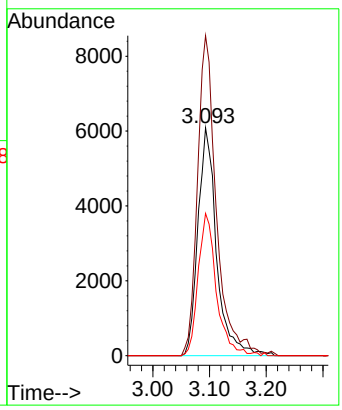


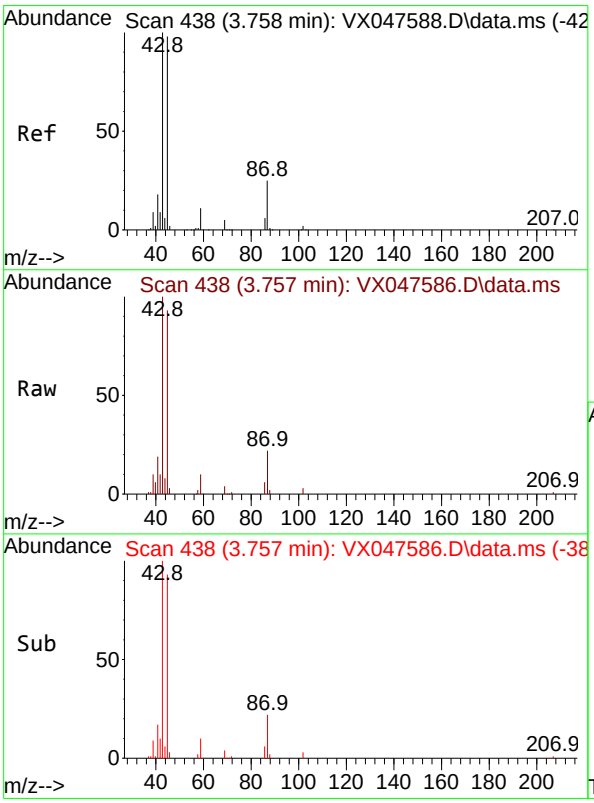
#21
trans-1,2-Dichloroethene
Concen: 5.492 ug/l
RT: 3.093 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 96 Resp: 13937

Ion	Ratio	Lower	Upper
96	100		
61	140.4	116.2	174.2
98	62.4	49.3	73.9

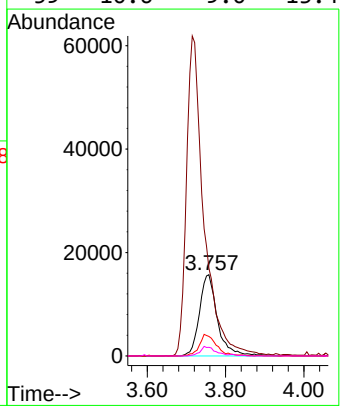


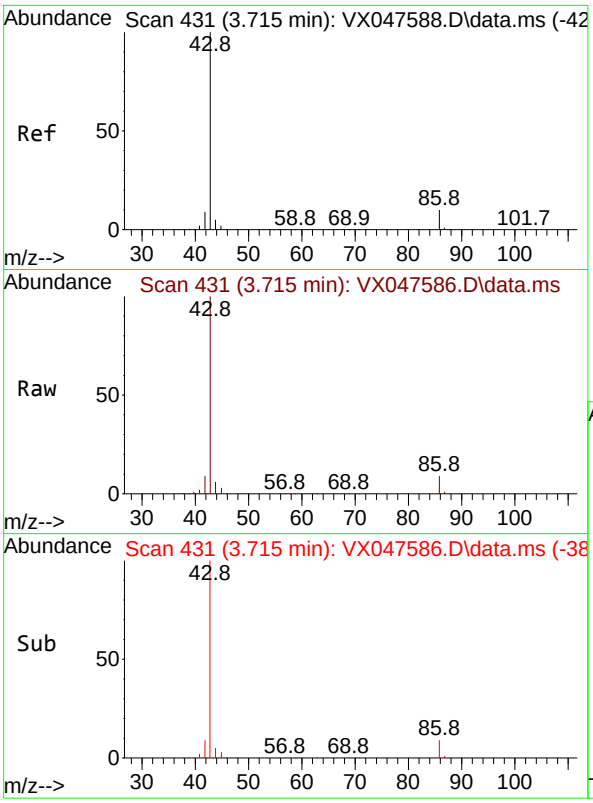


#22
Diisopropyl ether
Concen: 5.327 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 45 Resp: 50213

Ion	Ratio	Lower	Upper
45	100		
43	102.8	81.0	121.4
87	23.3	20.3	30.5
59	10.6	9.0	13.4



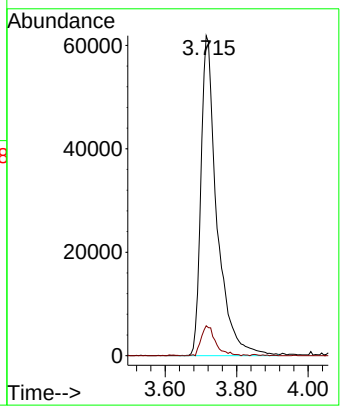


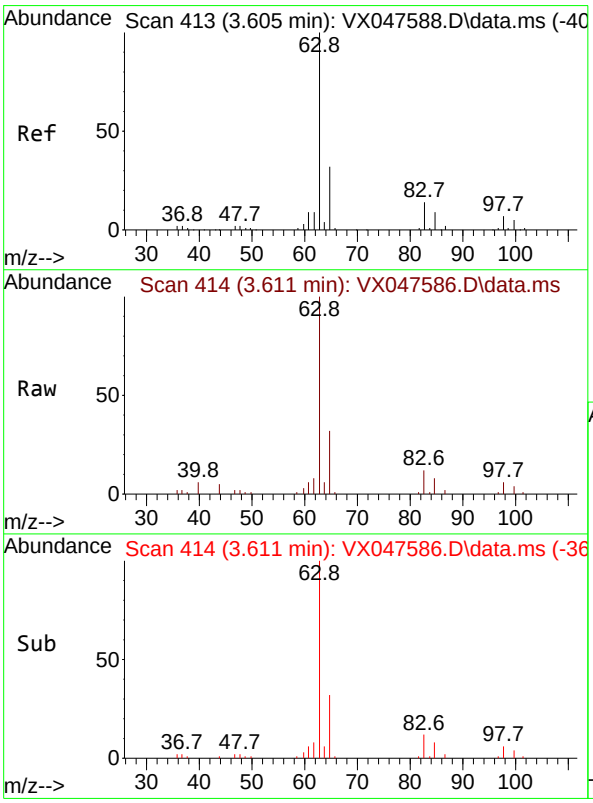
#23
Vinyl Acetate
Concen: 25.474 ug/l
RT: 3.715 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 192175

Ion	Ratio	Lower	Upper
43	100		
86	9.4	7.8	11.8

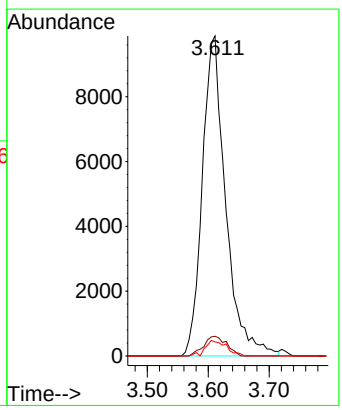


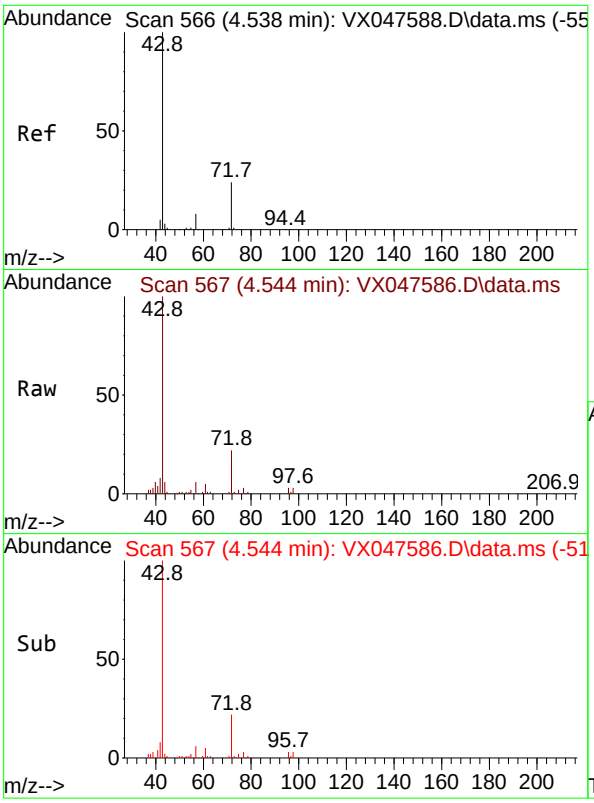


#24
1,1-Dichloroethane
Concen: 5.248 ug/l
RT: 3.611 min Scan# 414
Delta R.T. 0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 63 Resp: 26292

Ion	Ratio	Lower	Upper
63	100		
98	6.2	3.8	11.2
100	4.4	2.3	6.9



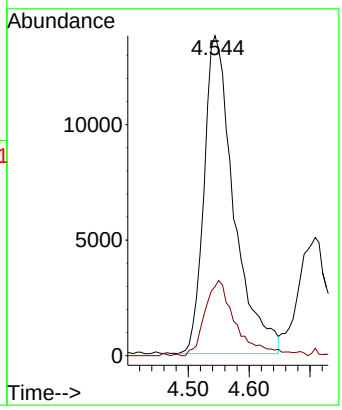


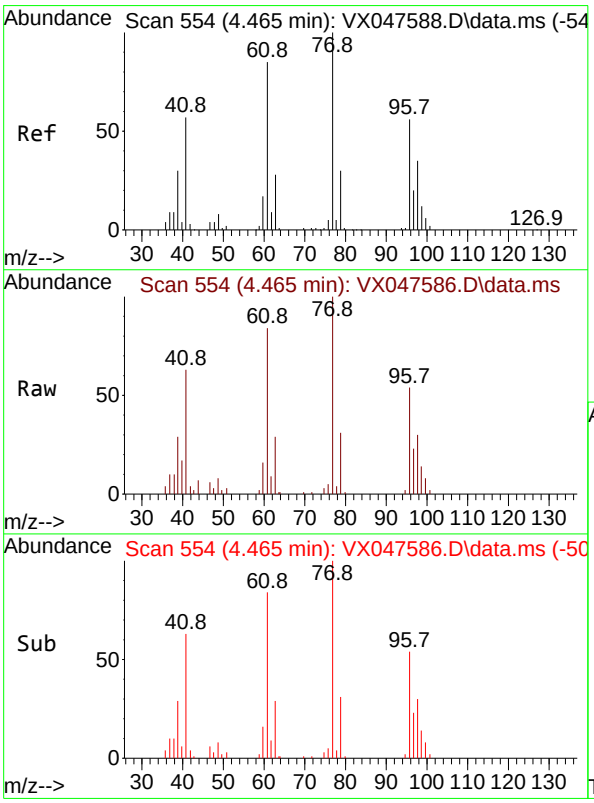
#25
2-Butanone
Concen: 27.240 ug/l
RT: 4.544 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 46651

Ion	Ratio	Lower	Upper
43	100		
72	21.3	20.1	30.1

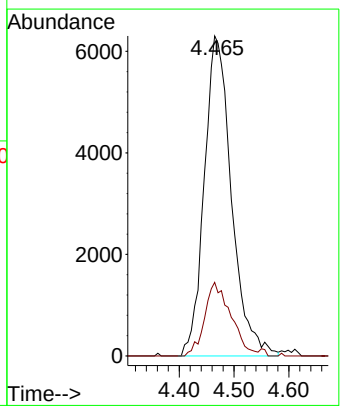


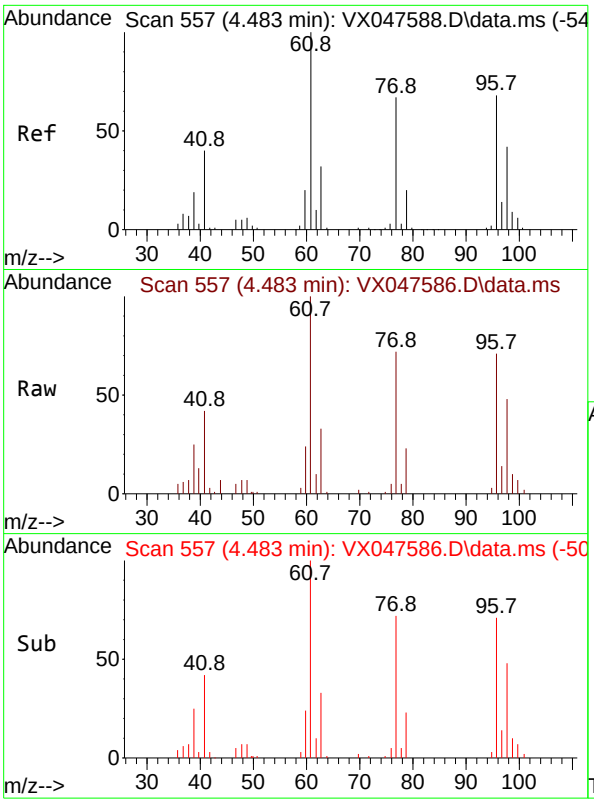


#26
2,2-Dichloropropane
Concen: 5.220 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 77 Resp: 21738

Ion	Ratio	Lower	Upper
77	100		
97	22.2	10.9	32.7



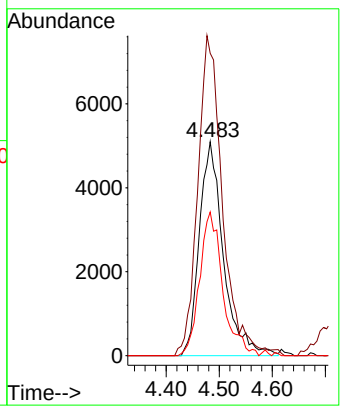


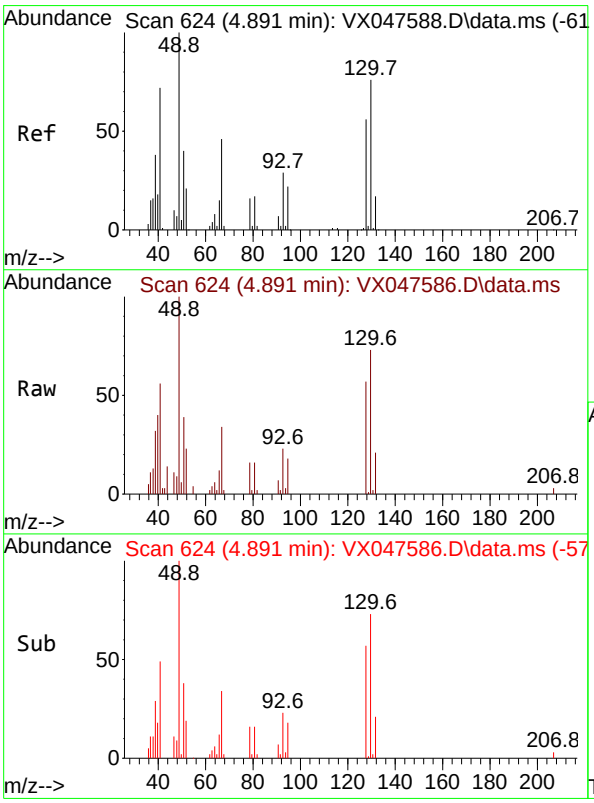
#27
cis-1,2-Dichloroethene
Concen: 5.147 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 96 Resp: 15996

Ion	Ratio	Lower	Upper
96	100		
61	154.4	0.0	303.2
98	64.8	0.0	127.8

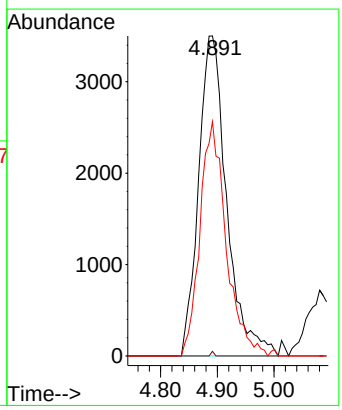


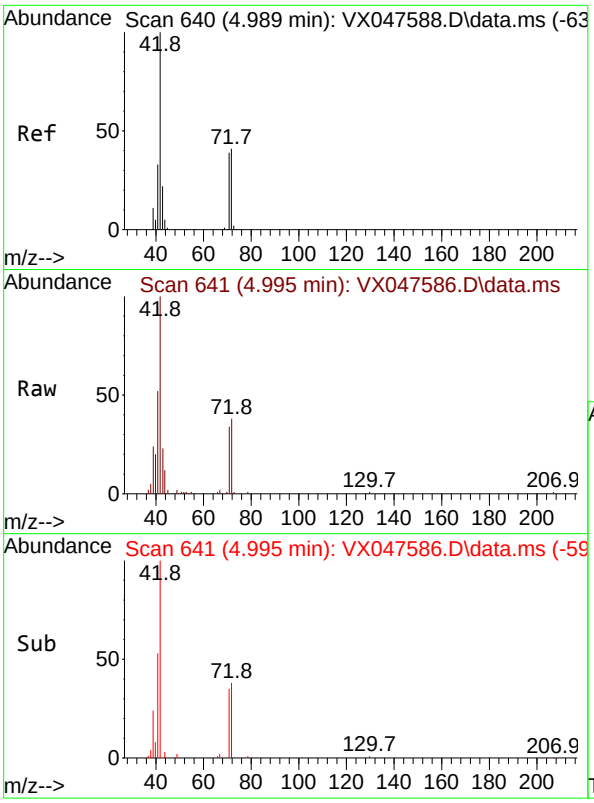


#28
Bromochloromethane
Concen: 5.508 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 49 Resp: 12047

Ion	Ratio	Lower	Upper
49	100		
129	0.2	0.0	3.2
130	68.0	57.8	86.8



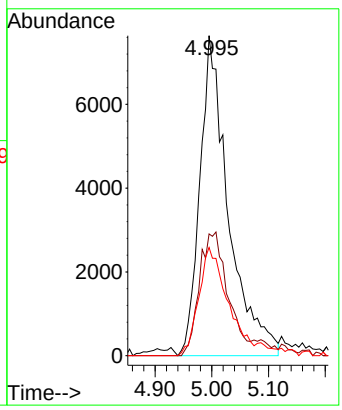


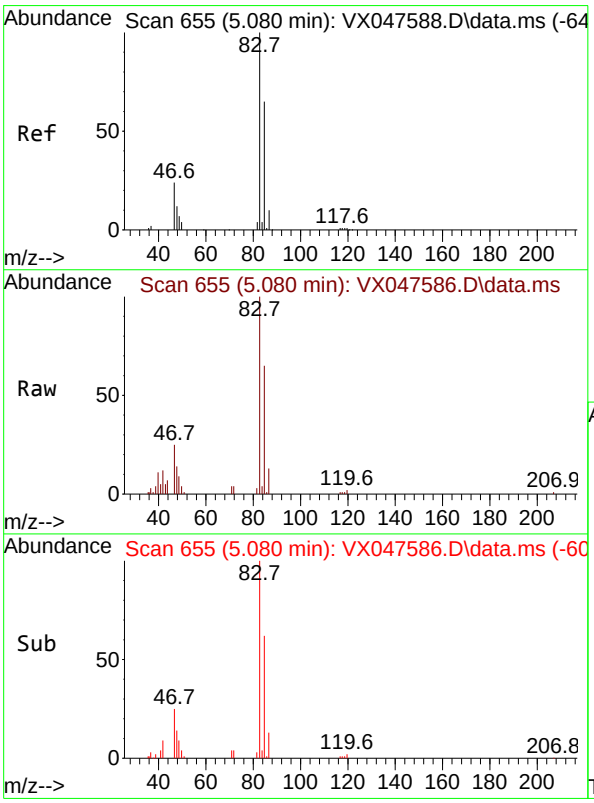
#29
Tetrahydrofuran
Concen: 25.944 ug/l
RT: 4.995 min Scan# 64
Delta R.T. 0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 42 Resp: 26729

Ion	Ratio	Lower	Upper
42	100		
72	38.7	34.2	51.2
71	34.1	31.9	47.9

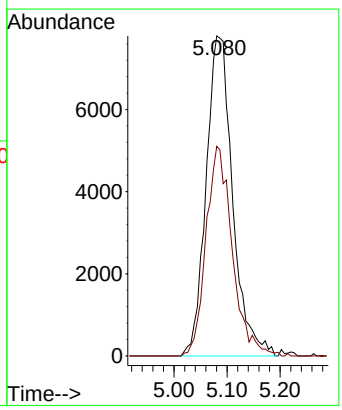


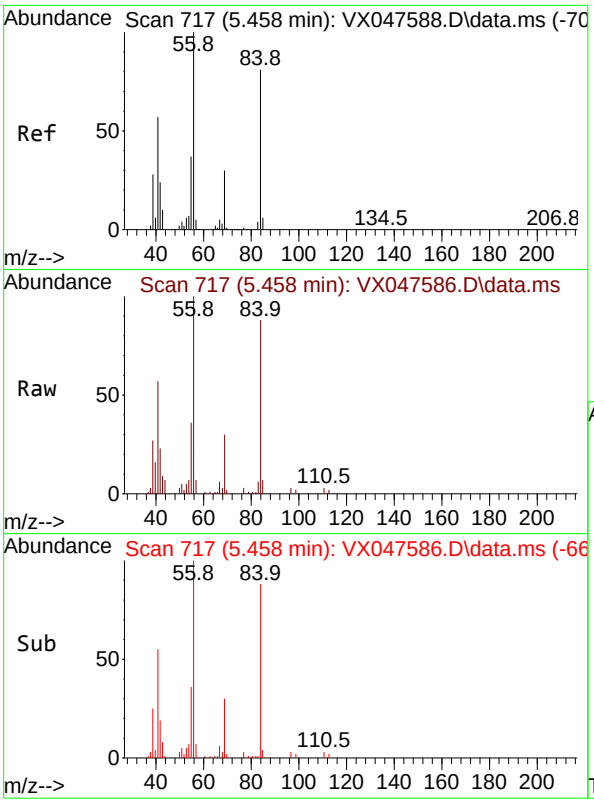


#30
Chloroform
Concen: 5.344 ug/l
RT: 5.080 min Scan# 655
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 83 Resp: 27054

Ion	Ratio	Lower	Upper
83	100		
85	65.5	51.8	77.6



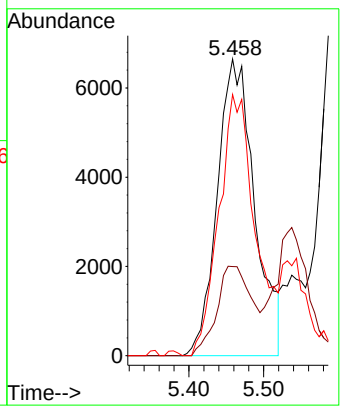


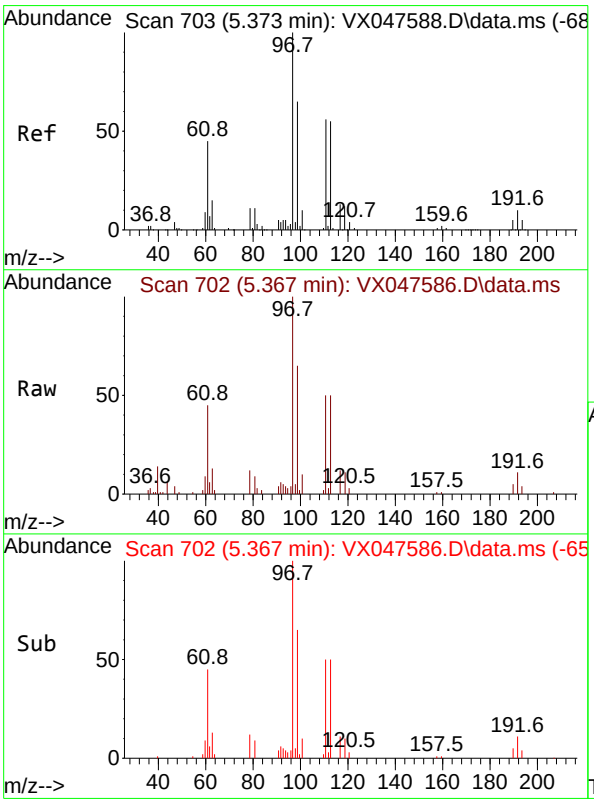
#31
Cyclohexane
Concen: 5.520 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 56 Resp: 23032

Ion	Ratio	Lower	Upper
56	100		
69	32.2	23.8	35.8
84	87.1	64.6	97.0

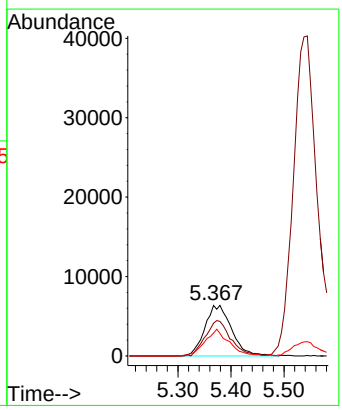


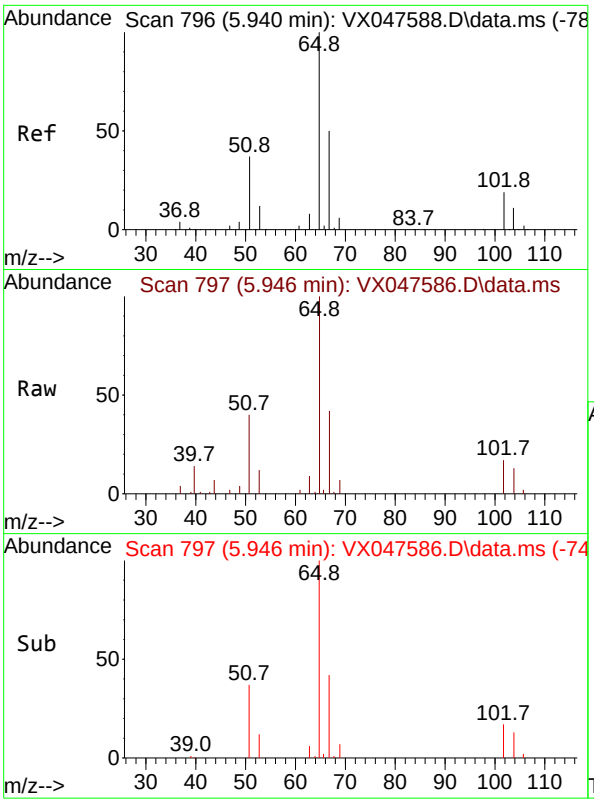


#32
1,1,1-Trichloroethane
Concen: 5.188 ug/l
RT: 5.367 min Scan# 702
Delta R.T. -0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 97 Resp: 22279

Ion	Ratio	Lower	Upper
97	100		
99	66.4	50.6	76.0
61	47.4	35.8	53.8



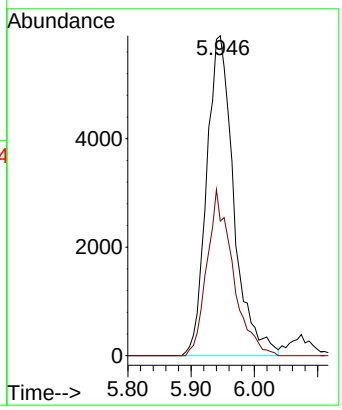


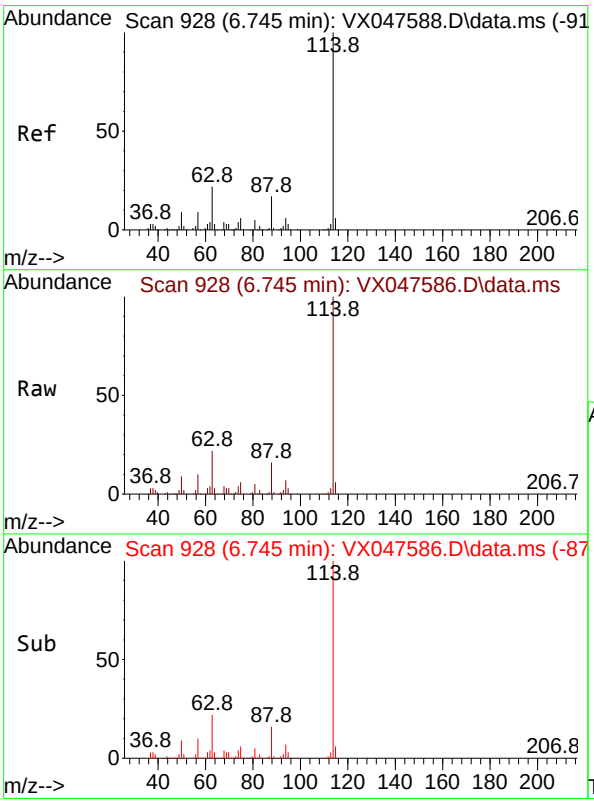
#33
1,2-Dichloroethane-d4
Concen: 5.554 ug/l
RT: 5.946 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 65 Resp: 17538

Ion	Ratio	Lower	Upper
65	100		
67	49.7	0.0	103.0

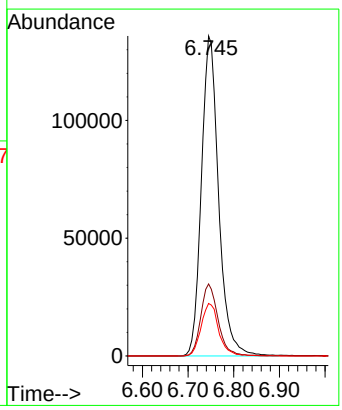


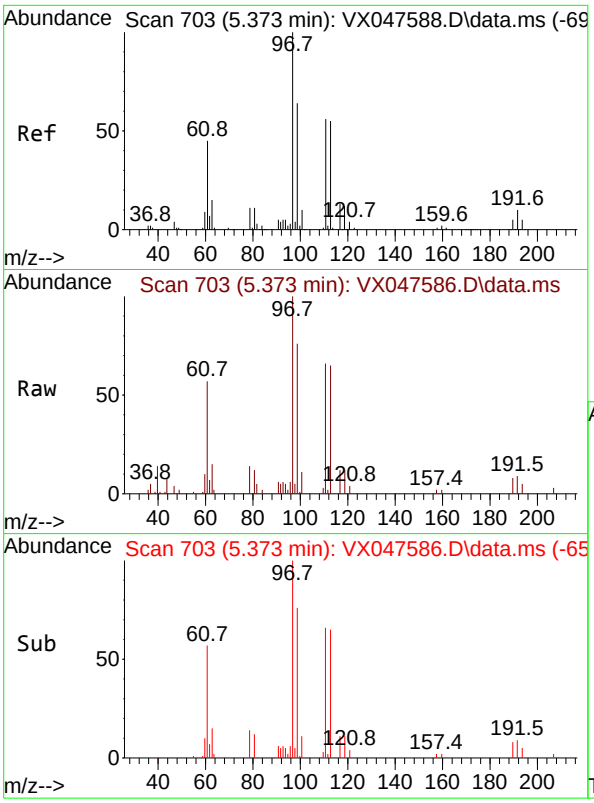


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 928
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:114 Resp: 355026

Ion	Ratio	Lower	Upper
114	100		
63	22.5	0.0	44.0
88	16.4	0.0	34.2



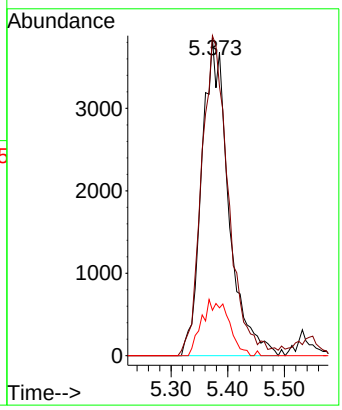


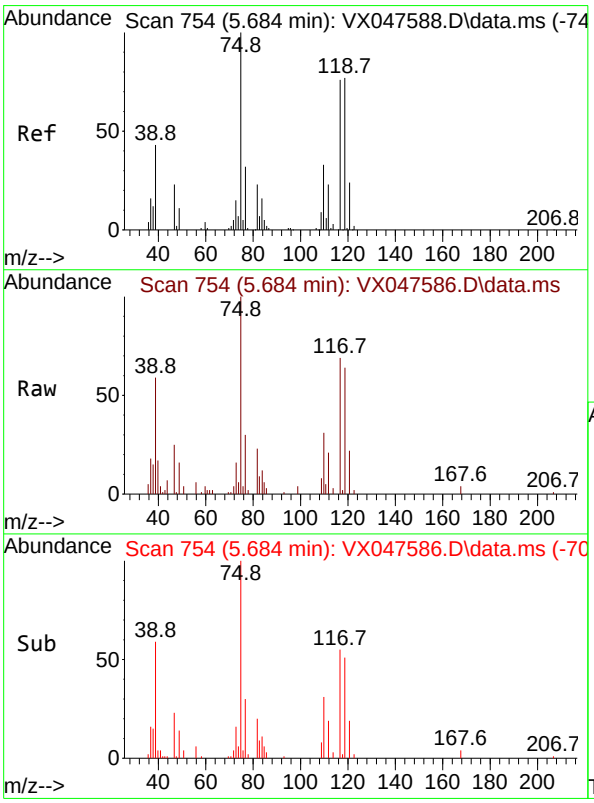
#35
Dibromofluoromethane
Concen: 5.312 ug/l
RT: 5.373 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:113 Resp: 12647

Ion	Ratio	Lower	Upper
113	100		
111	100.5	80.9	121.3
192	17.8	14.2	21.4

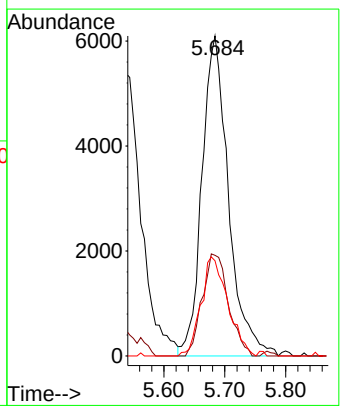


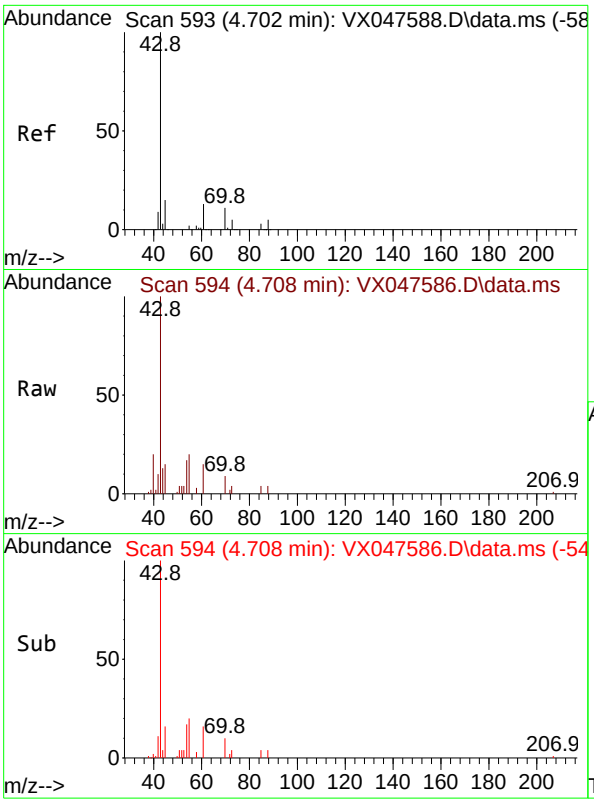


#36
1,1-Dichloropropene
Concen: 5.304 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 75 Resp: 18455

Ion	Ratio	Lower	Upper
75	100		
110	31.4	16.7	50.1
77	31.0	24.3	36.5



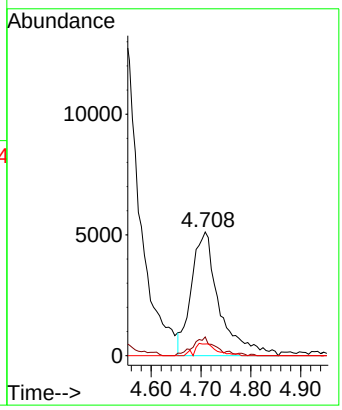


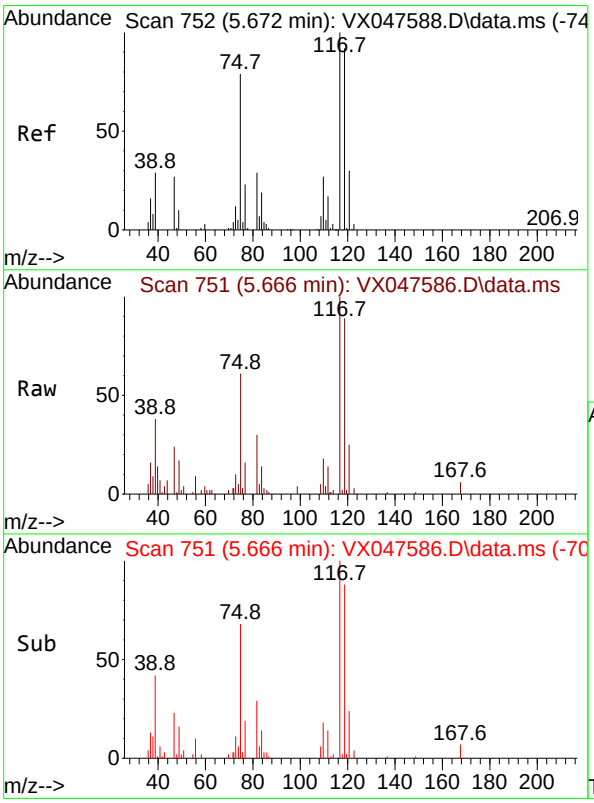
#37
Ethyl Acetate
Concen: 5.345 ug/l
RT: 4.708 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 19913

Ion	Ratio	Lower	Upper
43	100		
61	11.9	9.8	14.8
70	7.6	7.9	11.9#

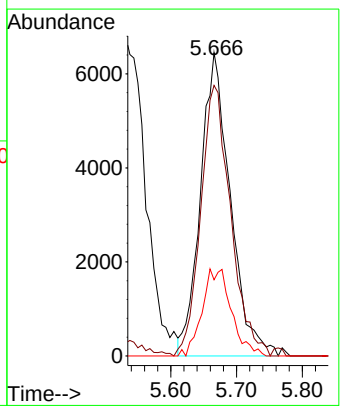


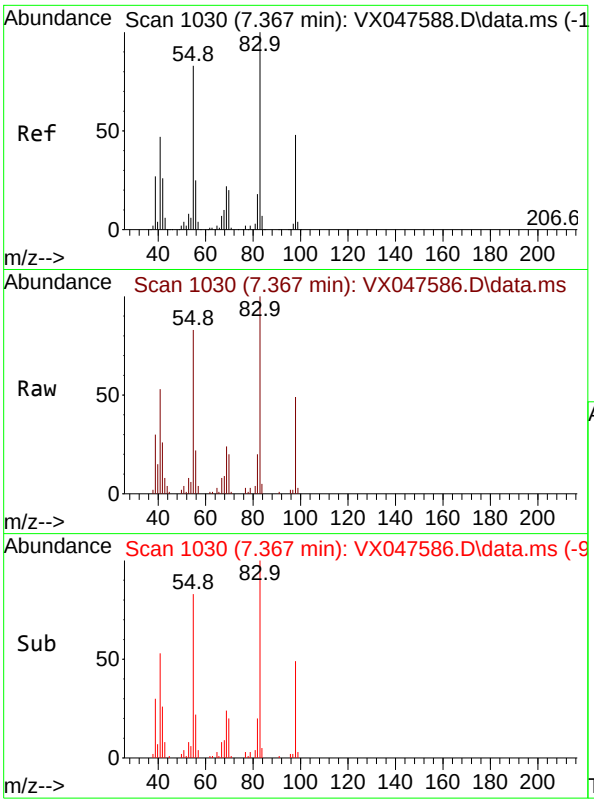


#38
Carbon Tetrachloride
Concen: 5.390 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:117 Resp: 20376

Ion	Ratio	Lower	Upper
117	100		
119	88.9	73.4	110.2
121	25.1	23.8	35.6



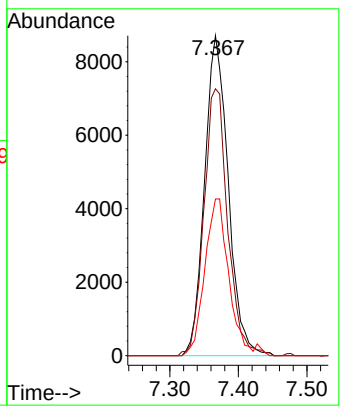


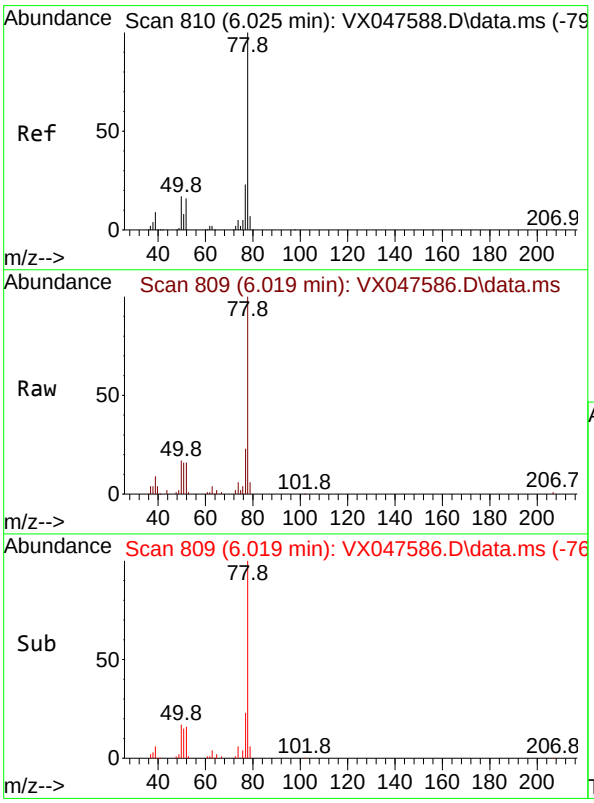
#39
Methylcyclohexane
Concen: 5.292 ug/l
RT: 7.367 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 83 Resp: 20900

Ion	Ratio	Lower	Upper
83	100		
55	79.1	66.4	99.6
98	46.4	38.1	57.1

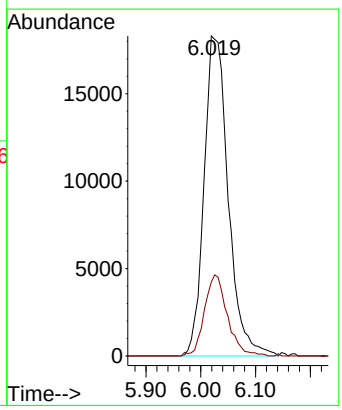


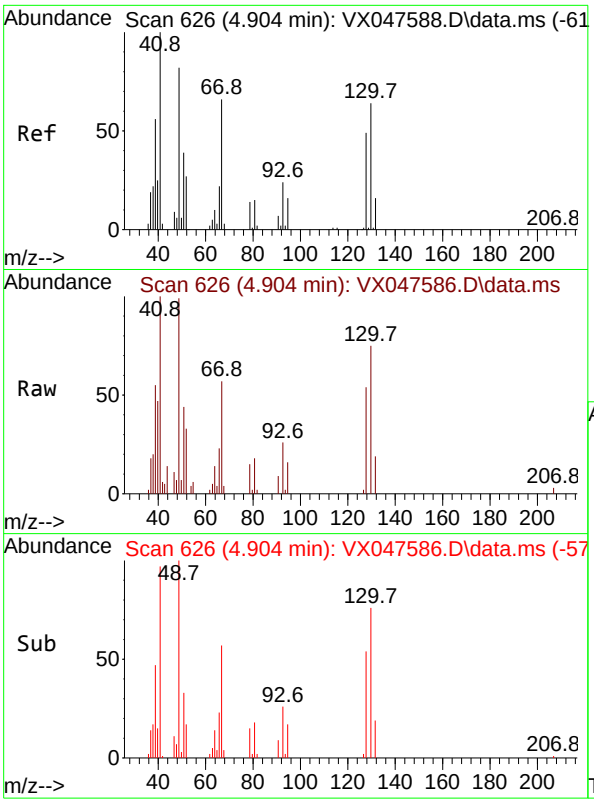


#40
Benzene
Concen: 5.299 ug/l
RT: 6.019 min Scan# 809
Delta R.T. -0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 78 Resp: 55996

Ion	Ratio	Lower	Upper
78	100		
77	23.1	18.8	28.2



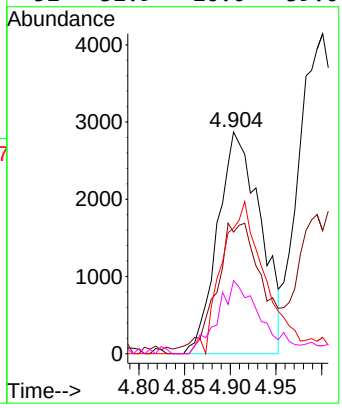


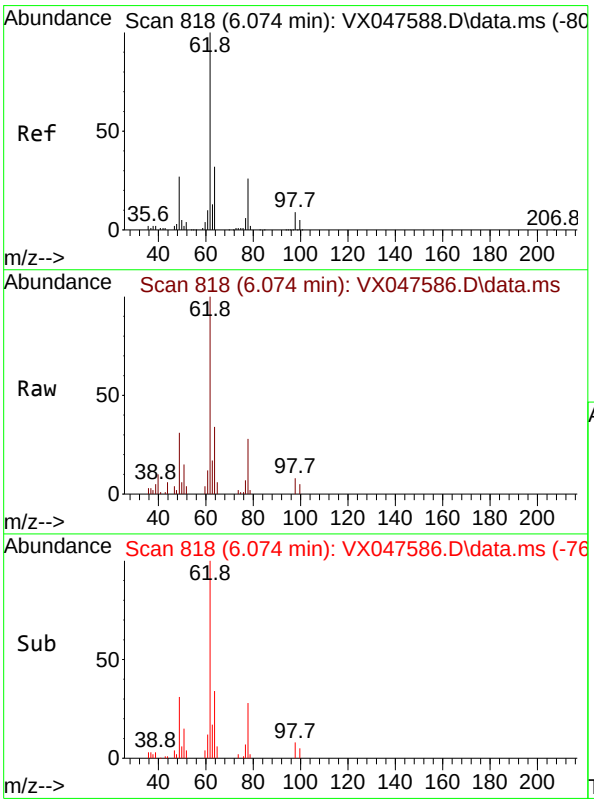
#41
Methacrylonitrile
Concen: 4.883 ug/l
RT: 4.904 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 41 Resp: 9390

Ion	Ratio	Lower	Upper
41	100		
39	58.3	43.3	64.9
67	68.7	58.6	87.8
52	32.9	26.0	39.0

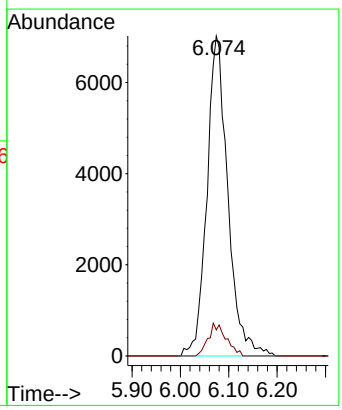


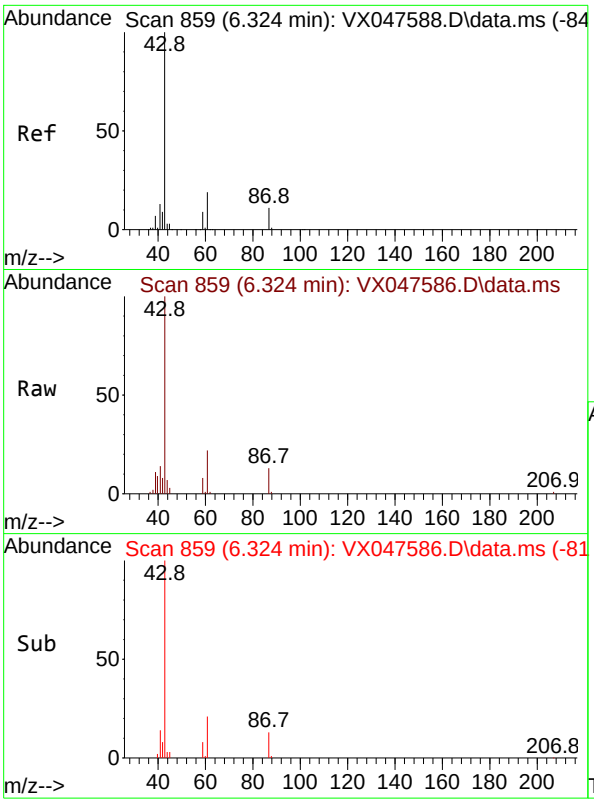


#42
1,2-Dichloroethane
Concen: 5.252 ug/l
RT: 6.074 min Scan# 818
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 62 Resp: 21117

Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	17.0



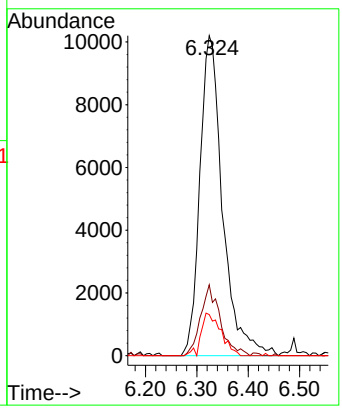


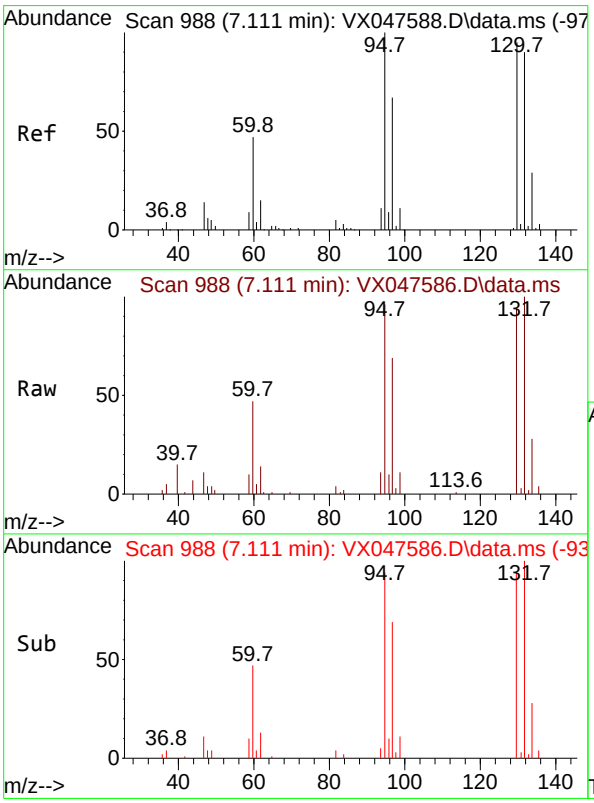
#43
Isopropyl Acetate
Concen: 5.124 ug/l
RT: 6.324 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 31304

Ion	Ratio	Lower	Upper
43	100		
61	19.2	15.2	22.8
87	11.6	9.6	14.4

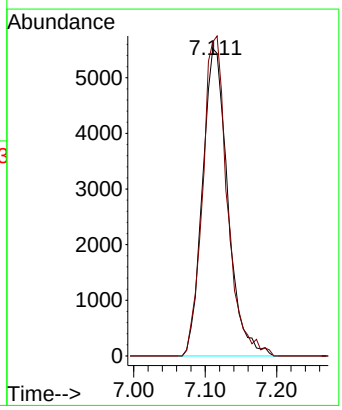


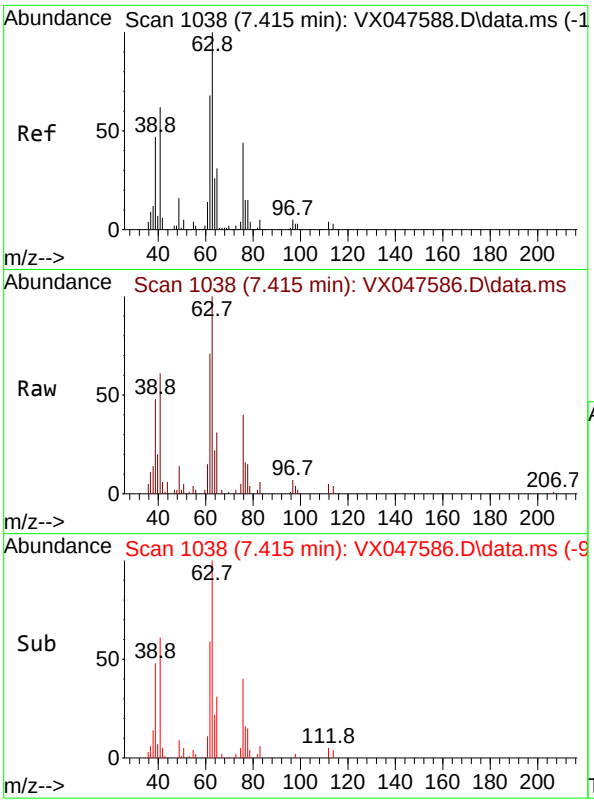


#44
Trichloroethene
Concen: 5.314 ug/l
RT: 7.111 min Scan# 988
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:130 Resp: 13576

Ion	Ratio	Lower	Upper
130	100		
95	102.1	0.0	210.8



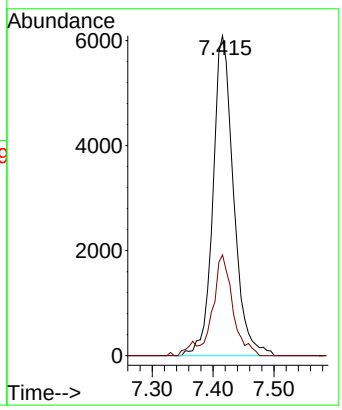


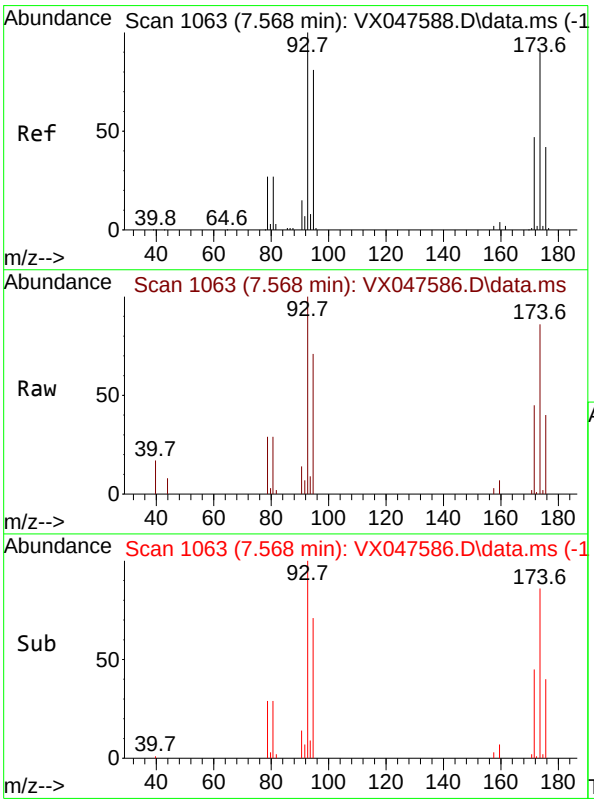
#45
1,2-Dichloropropane
Concen: 5.287 ug/l
RT: 7.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 63 Resp: 14305

Ion	Ratio	Lower	Upper
63	100		
65	31.5	24.7	37.1

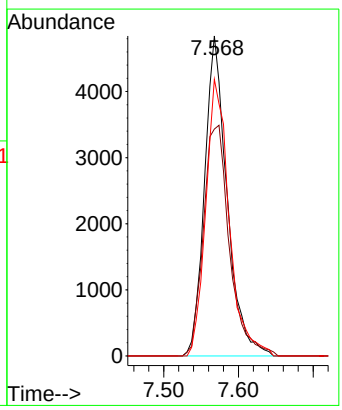


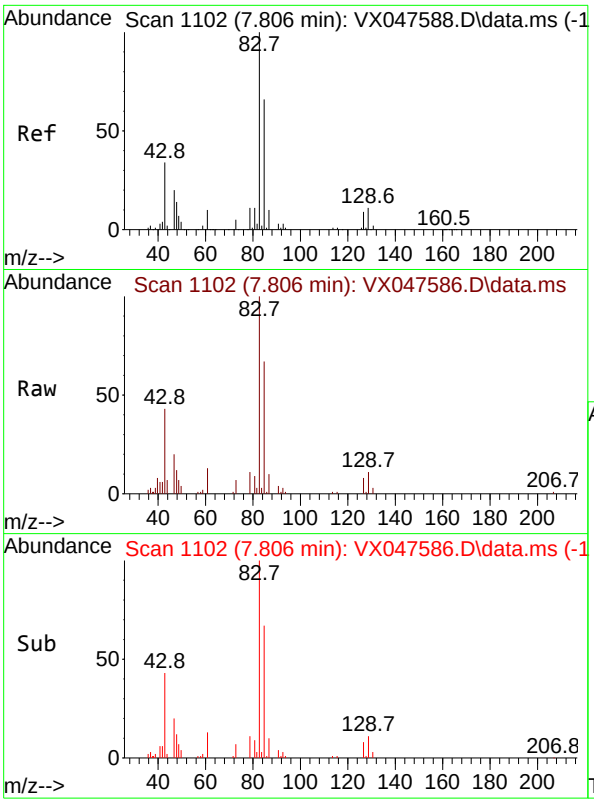


#46
Dibromomethane
Concen: 5.146 ug/l
RT: 7.568 min Scan# 1063
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 93 Resp: 10133

Ion	Ratio	Lower	Upper
93	100		
95	83.5	65.0	97.6
174	90.0	71.6	107.4



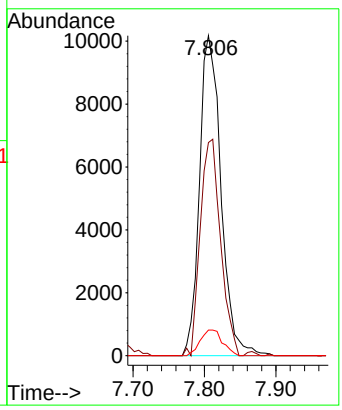


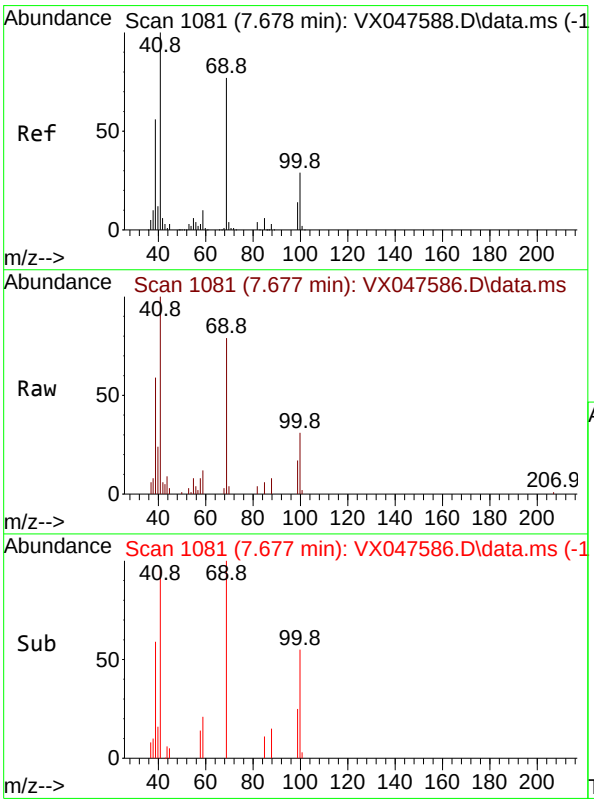
#47
Bromodichloromethane
Concen: 5.235 ug/l
RT: 7.806 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 83 Resp: 21270

Ion	Ratio	Lower	Upper
83	100		
85	64.7	52.5	78.7
127	7.8	6.9	10.3

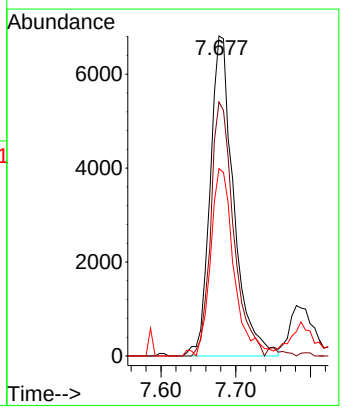


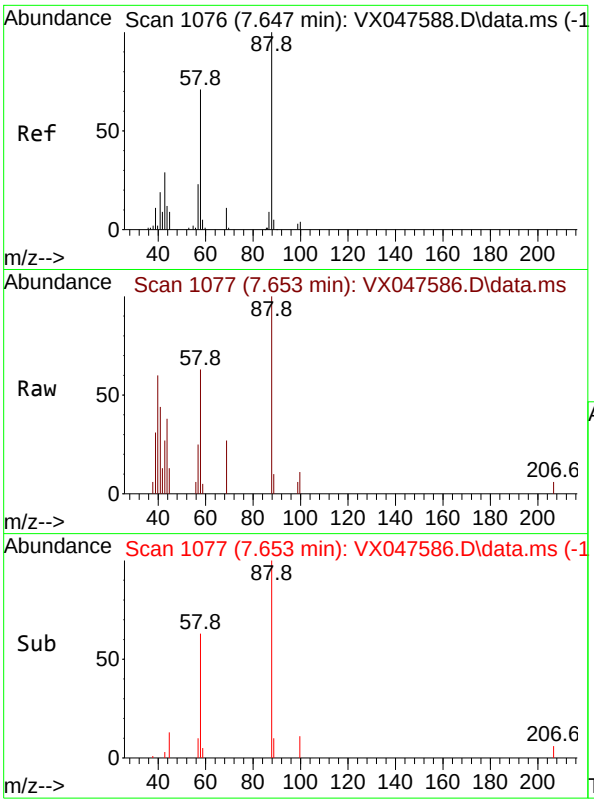


#48
Methyl methacrylate
Concen: 4.915 ug/l
RT: 7.677 min Scan# 1081
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 41 Resp: 14959

Ion	Ratio	Lower	Upper
41	100		
69	76.4	61.4	92.2
39	58.2	45.8	68.6



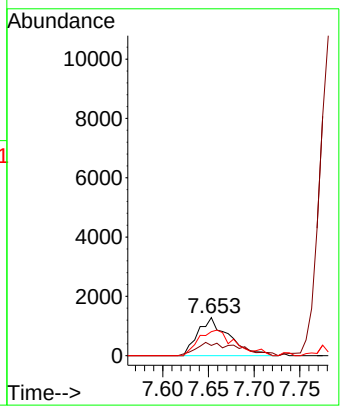


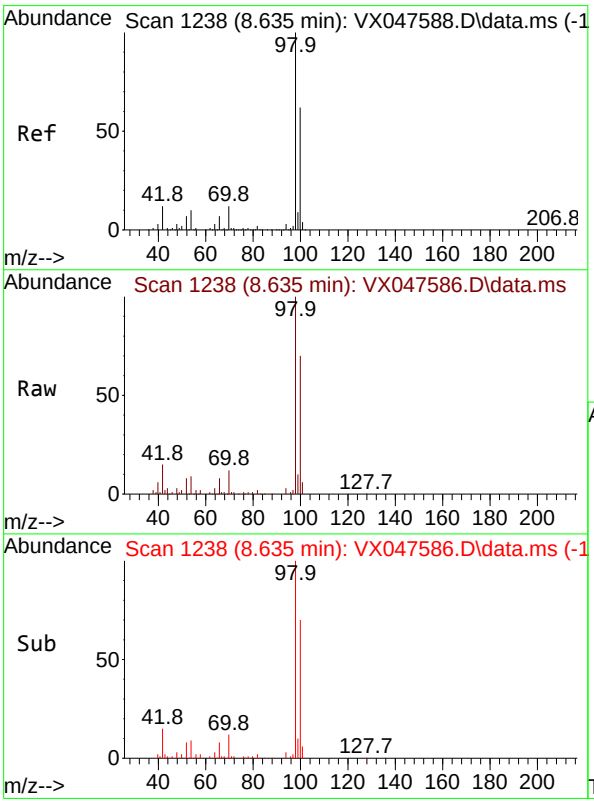
#49
1,4-Dioxane
Concen: 98.096 ug/l
RT: 7.653 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 88 Resp: 3017

Ion	Ratio	Lower	Upper
88	100		
43	48.3	30.2	45.2#
58	79.1	59.5	89.3

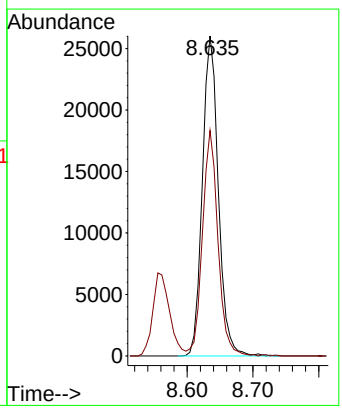


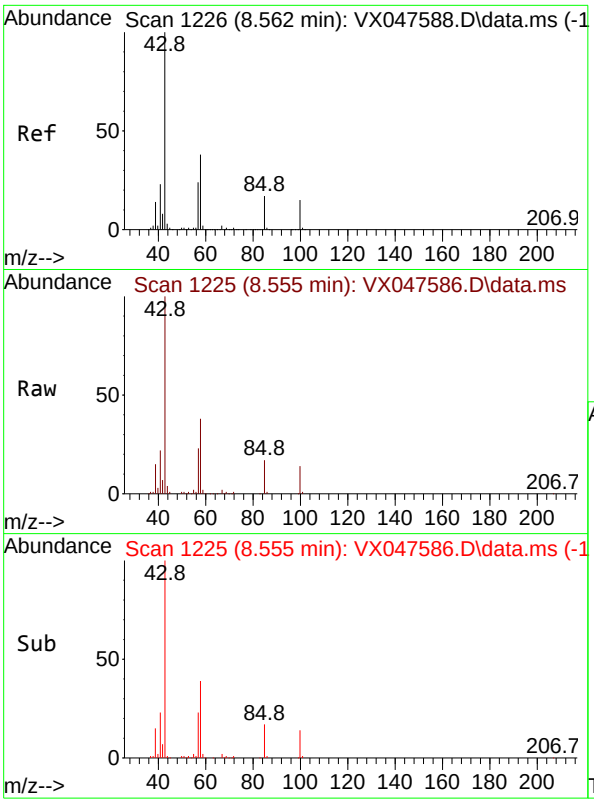


#50
Toluene-d8
Concen: 5.332 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 98 Resp: 43926

Ion	Ratio	Lower	Upper
98	100		
100	68.4	53.0	79.4



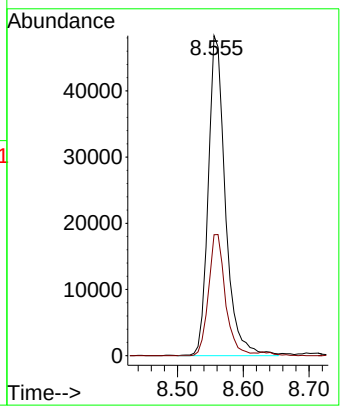


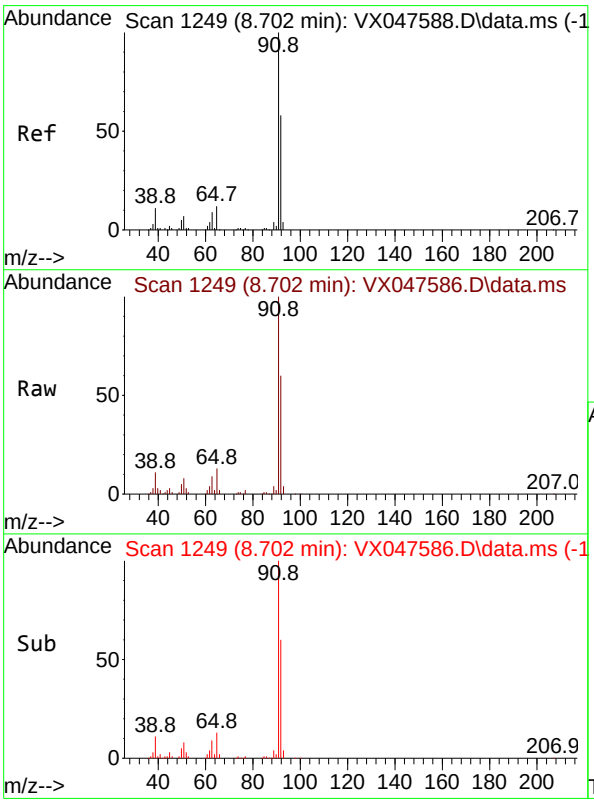
#51
4-Methyl-2-Pentanone
Concen: 25.828 ug/l
RT: 8.555 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 87492

Ion	Ratio	Lower	Upper
43	100		
58	37.7	30.3	45.5

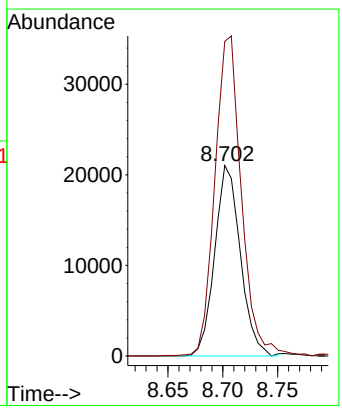


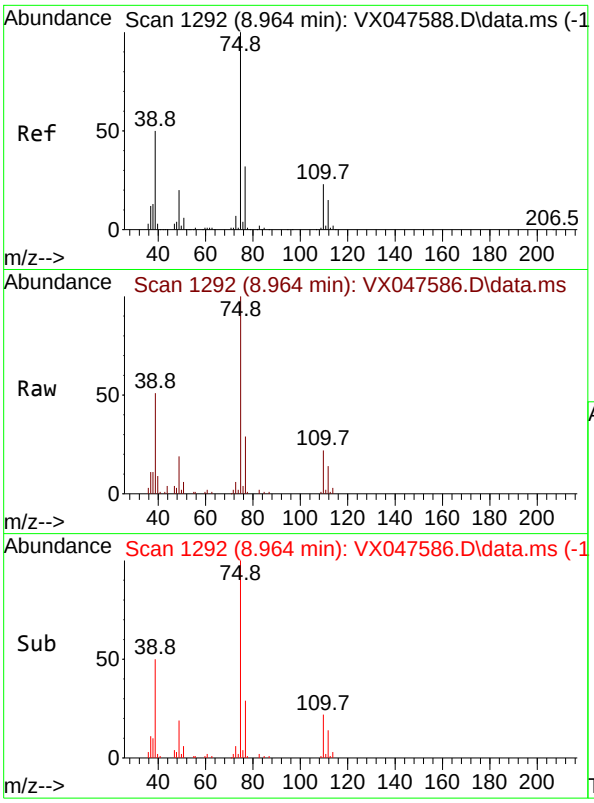


#52
Toluene
Concen: 5.271 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 92 Resp: 34314

Ion	Ratio	Lower	Upper
92	100		
91	173.8	137.1	205.7



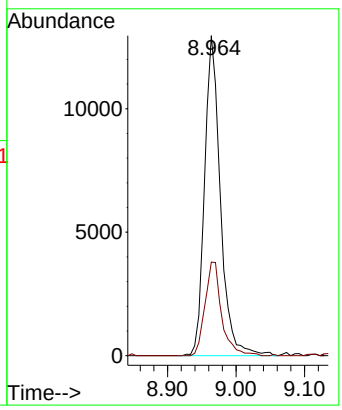


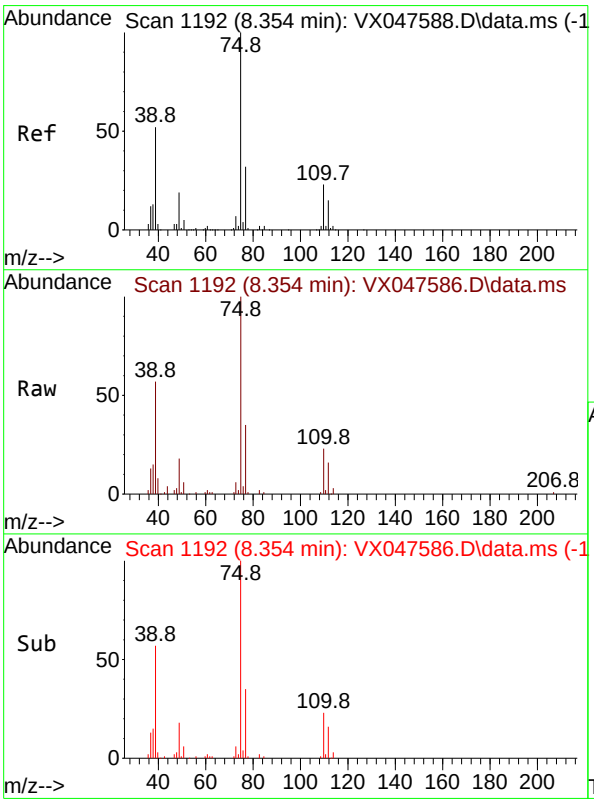
#53
t-1,3-Dichloropropene
Concen: 5.034 ug/l
RT: 8.964 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 75 Resp: 20863

Ion	Ratio	Lower	Upper
75	100		
77	30.2	25.4	38.2

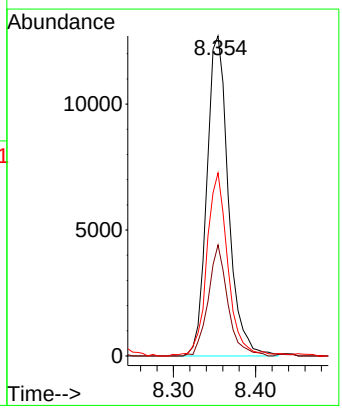


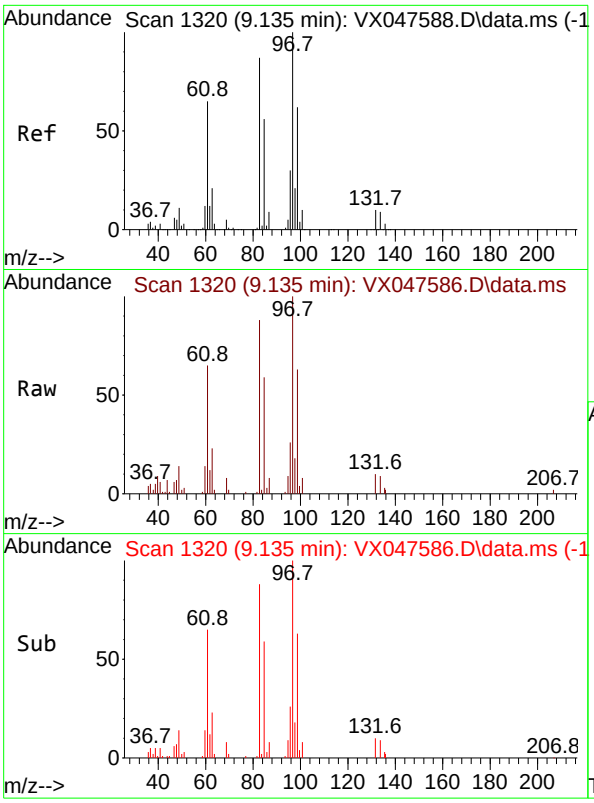


#54
cis-1,3-Dichloropropene
Concen: 5.227 ug/l
RT: 8.354 min Scan# 1192
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 75 Resp: 23157

Ion	Ratio	Lower	Upper
75	100		
77	34.7	25.8	38.6
39	51.7	41.4	62.2



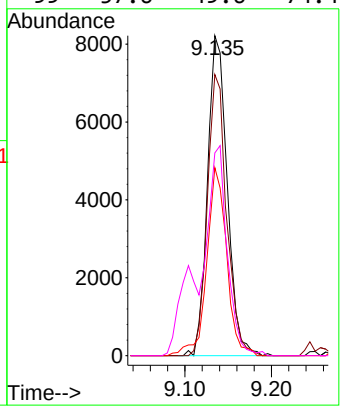


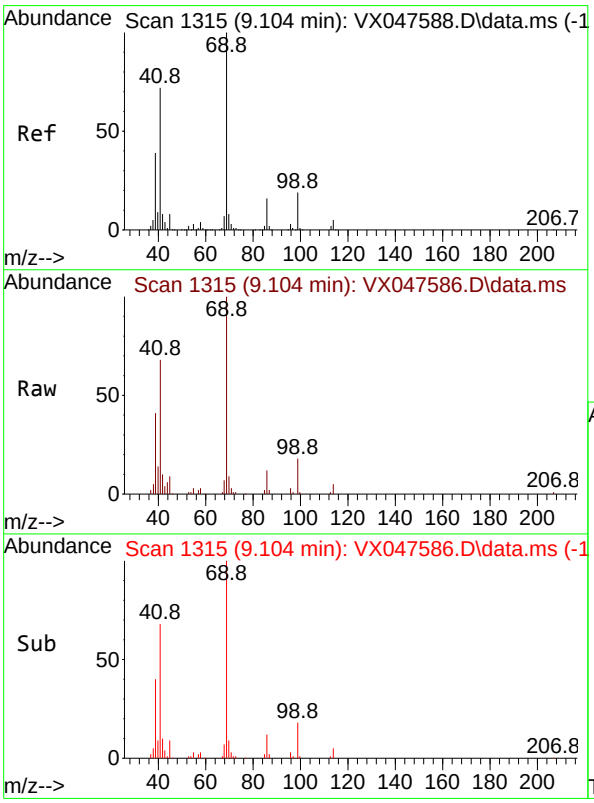
#55
1,1,2-Trichloroethane
Concen: 5.166 ug/l
RT: 9.135 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 97 Resp: 12968

Ion	Ratio	Lower	Upper
97	100		
83	76.7	69.6	104.4
85	49.9	45.0	67.6
99	57.6	49.6	74.4

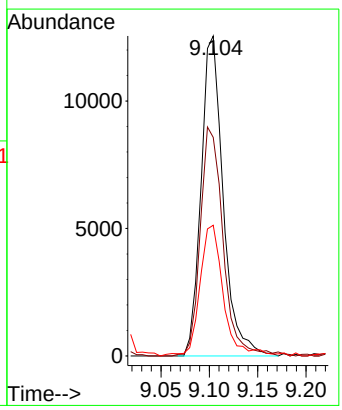


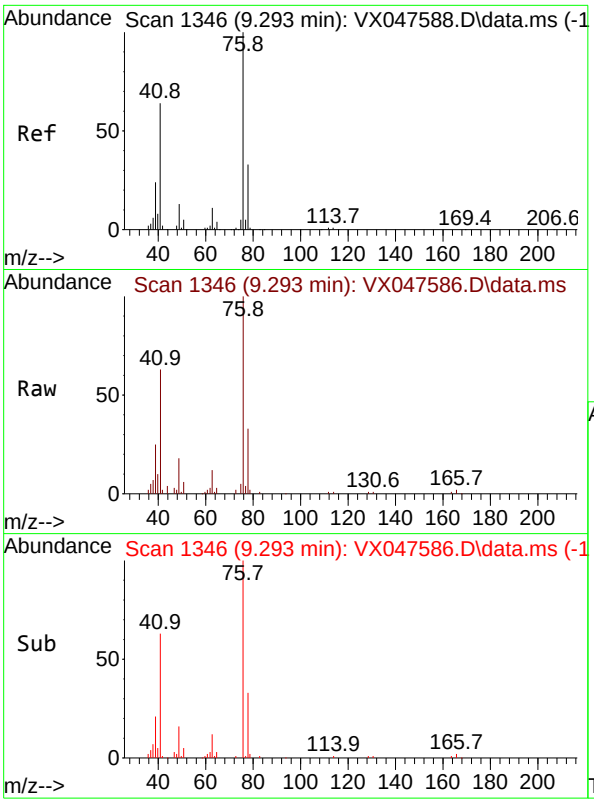


#56
Ethyl methacrylate
Concen: 5.068 ug/l
RT: 9.104 min Scan# 1315
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 69 Resp: 19980

Ion	Ratio	Lower	Upper
69	100		
41	73.9	58.6	87.8
39	43.7	31.5	47.3



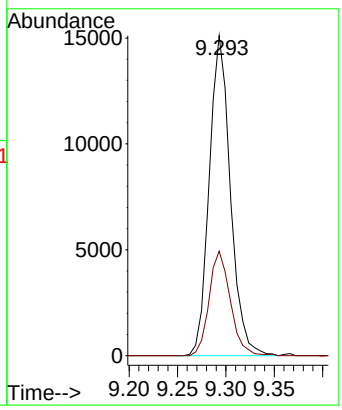


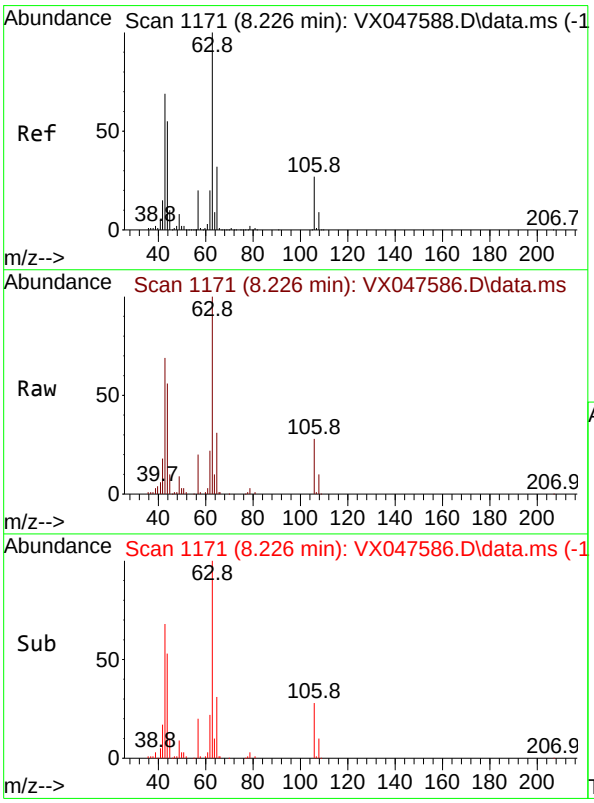
#57
1,3-Dichloropropane
Concen: 5.331 ug/l
RT: 9.293 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 76 Resp: 22989

Ion	Ratio	Lower	Upper
76	100		
78	32.8	26.2	39.4

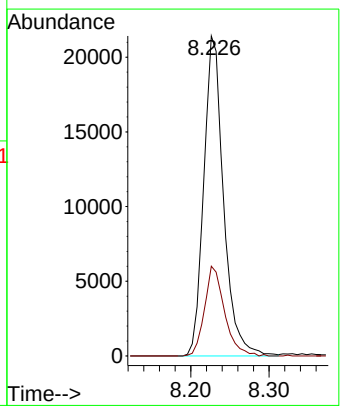


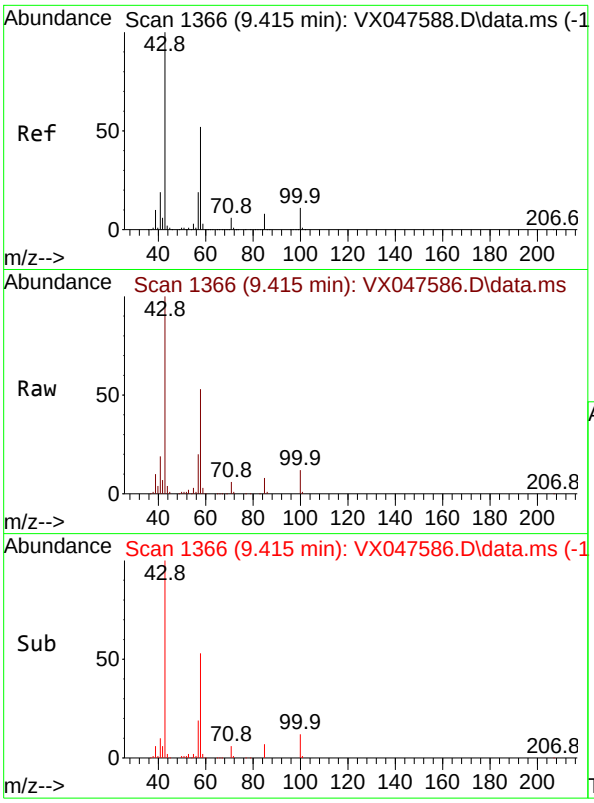


#58
2-Chloroethyl Vinyl ether
Concen: 27.899 ug/l
RT: 8.226 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 63 Resp: 37585

Ion	Ratio	Lower	Upper
63	100		
106	28.3	21.9	32.9



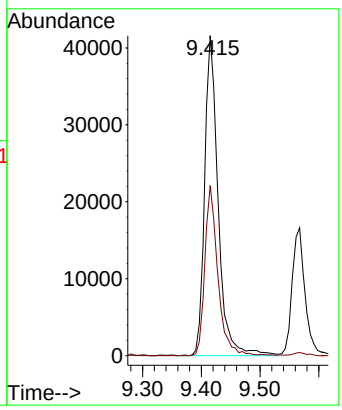


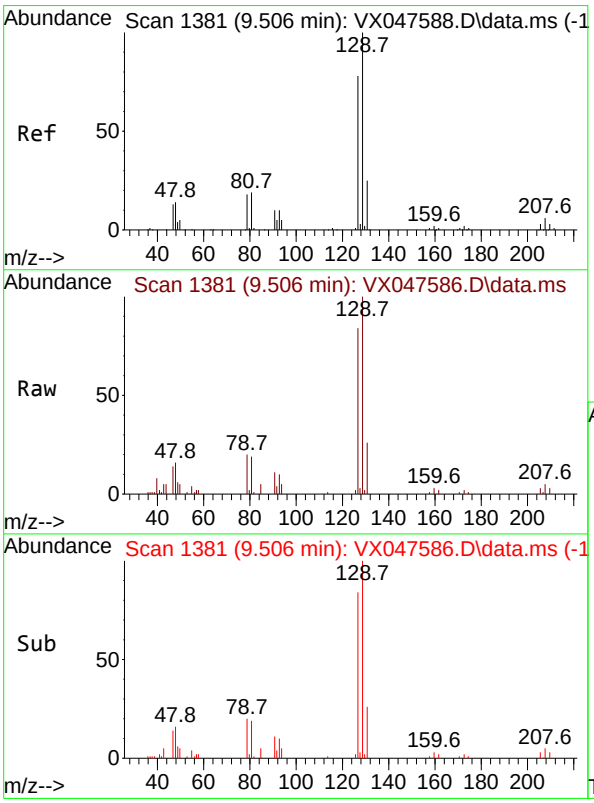
#59
2-Hexanone
Concen: 27.275 ug/l
RT: 9.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 66356

Ion	Ratio	Lower	Upper
43	100		
58	51.1	26.1	78.2

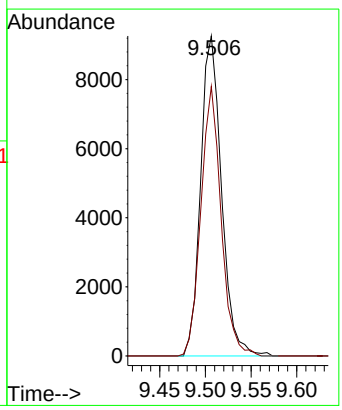


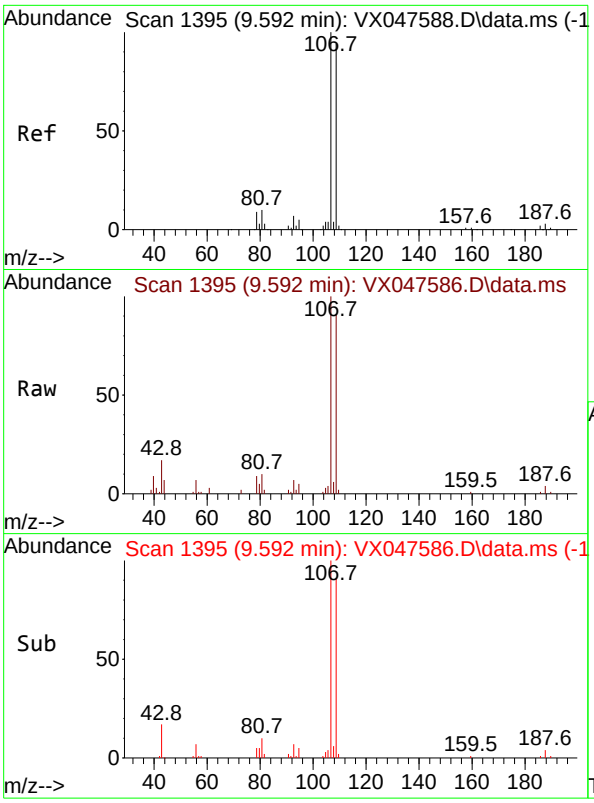


#60
Dibromochloromethane
Concen: 5.084 ug/l
RT: 9.506 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:129 Resp: 14705

Ion	Ratio	Lower	Upper
129	100		
127	81.4	38.4	115.2



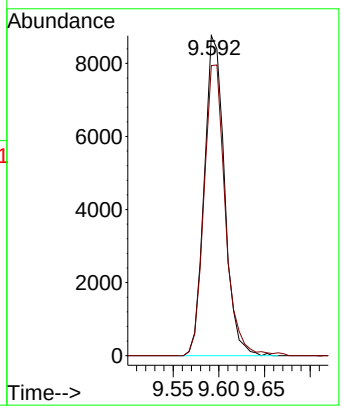


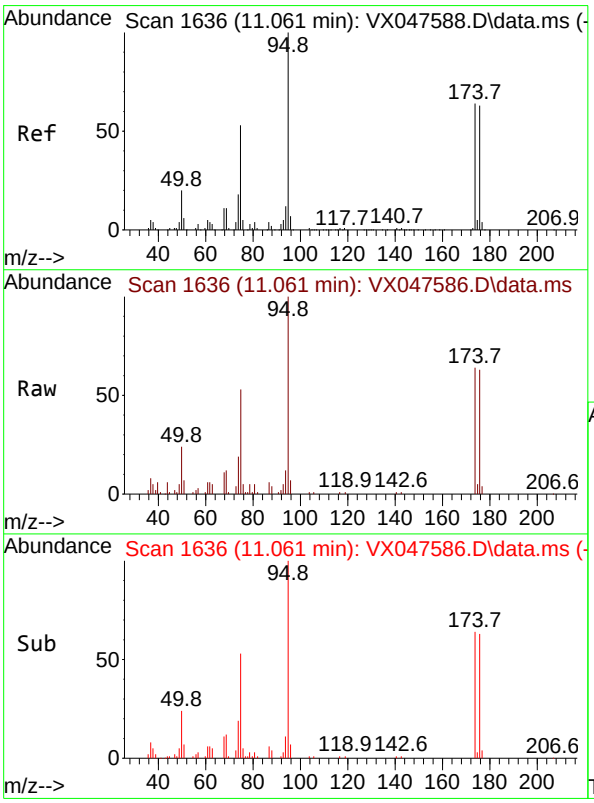
#61
1,2-Dibromoethane
Concen: 5.264 ug/l
RT: 9.592 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:107 Resp: 13461

Ion	Ratio	Lower	Upper
107	100		
109	95.6	75.3	112.9

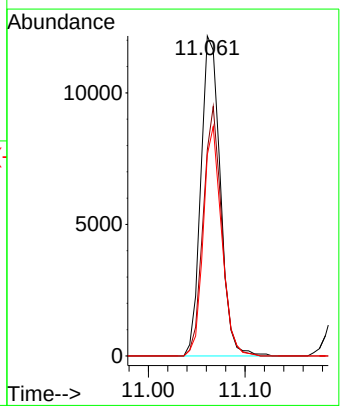


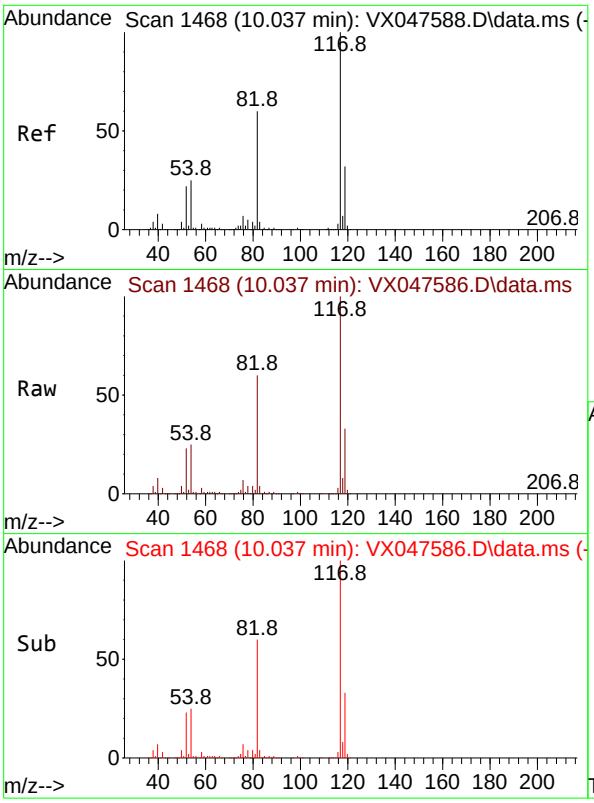


#62
4-Bromofluorobenzene
Concen: 5.429 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 95 Resp: 16974

Ion	Ratio	Lower	Upper
95	100		
174	74.0	0.0	141.6
176	67.9	0.0	138.4



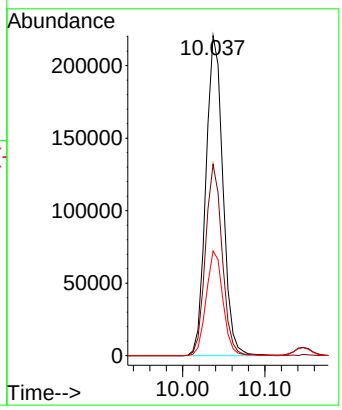


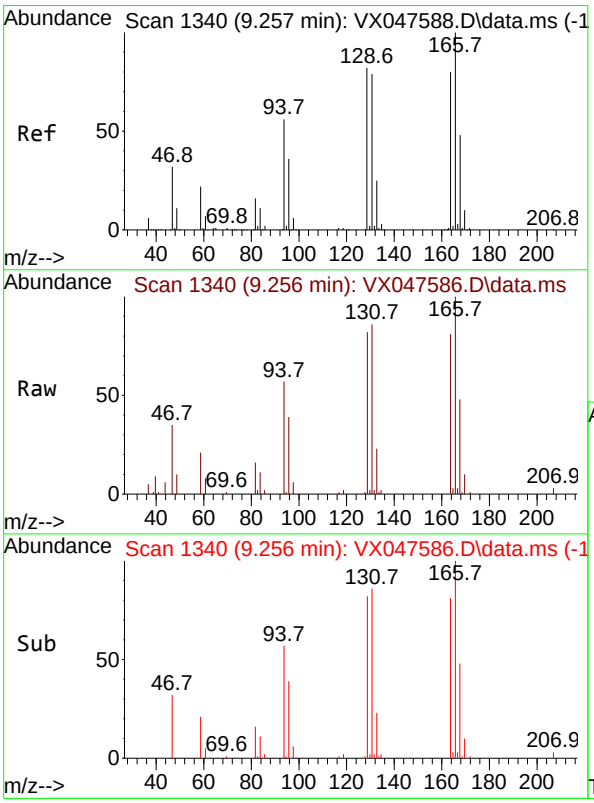
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:117 Resp: 317288

Ion	Ratio	Lower	Upper
117	100		
82	59.8	47.8	71.6
119	32.8	25.2	37.8

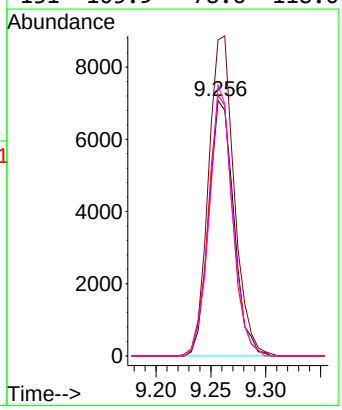


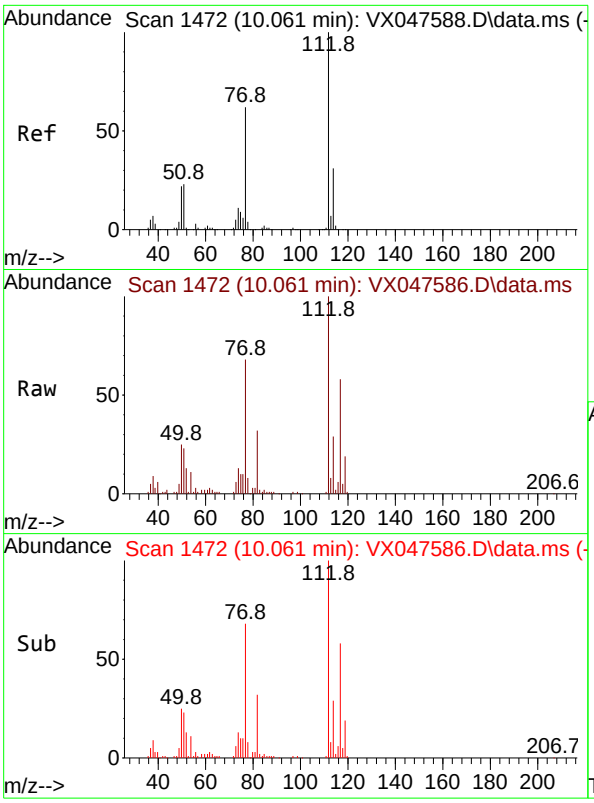


#64
Tetrachloroethene
Concen: 5.428 ug/l
RT: 9.256 min Scan# 1340
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:164 Resp: 11228

Ion	Ratio	Lower	Upper
164	100		
166	123.8	100.2	150.2
129	102.0	81.8	122.6
131	105.9	78.6	118.0



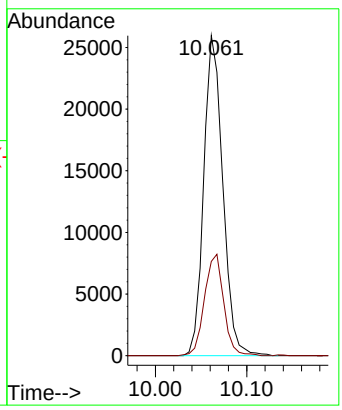


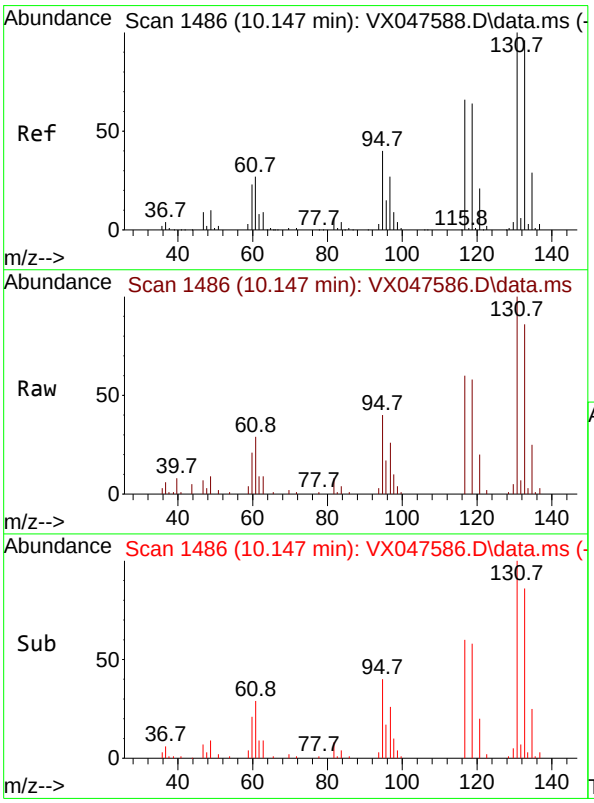
#65
Chlorobenzene
Concen: 5.203 ug/l
RT: 10.061 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:112 Resp: 37507

Ion	Ratio	Lower	Upper
112	100		
114	29.2	25.1	37.7

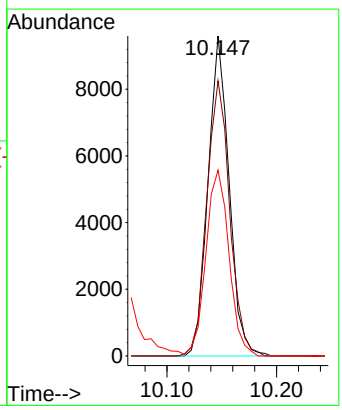


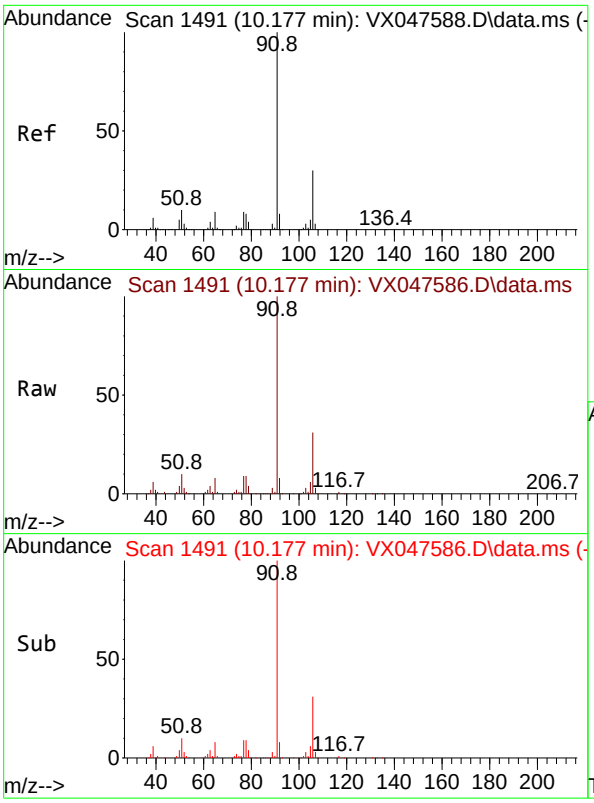


#66
1,1,1,2-Tetrachloroethane
Concen: 5.149 ug/l
RT: 10.147 min Scan# 1486
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:131 Resp: 12807

Ion	Ratio	Lower	Upper
131	100		
133	94.0	47.3	142.0
119	63.5	32.0	96.0



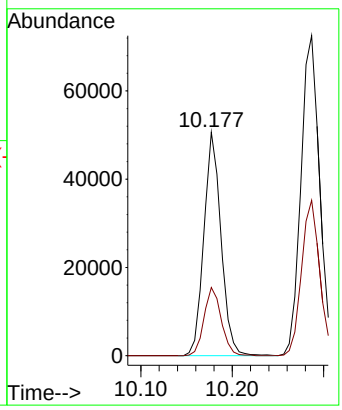


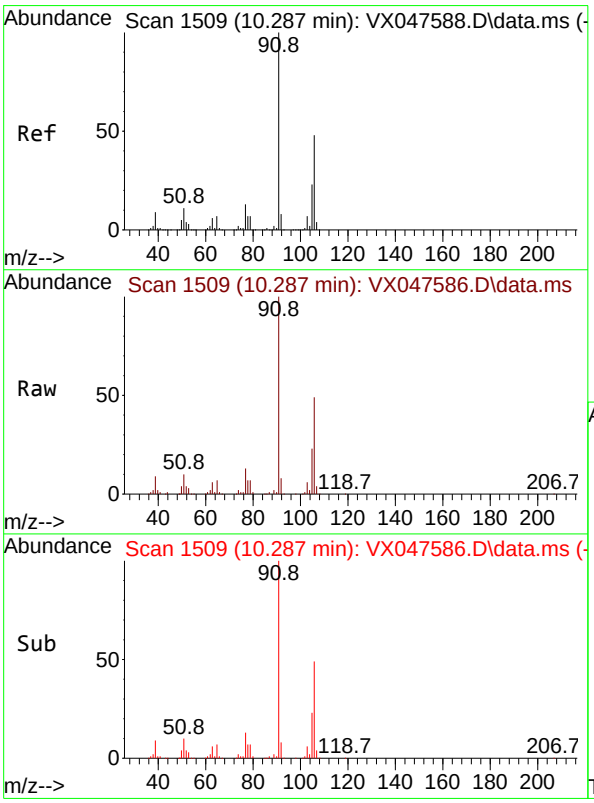
#67
Ethyl Benzene
Concen: 5.299 ug/l
RT: 10.177 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 91 Resp: 65908

Ion	Ratio	Lower	Upper
91	100		
106	30.5	24.3	36.5

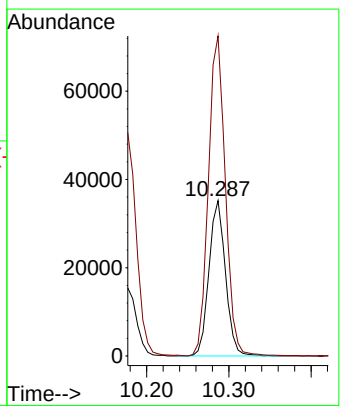


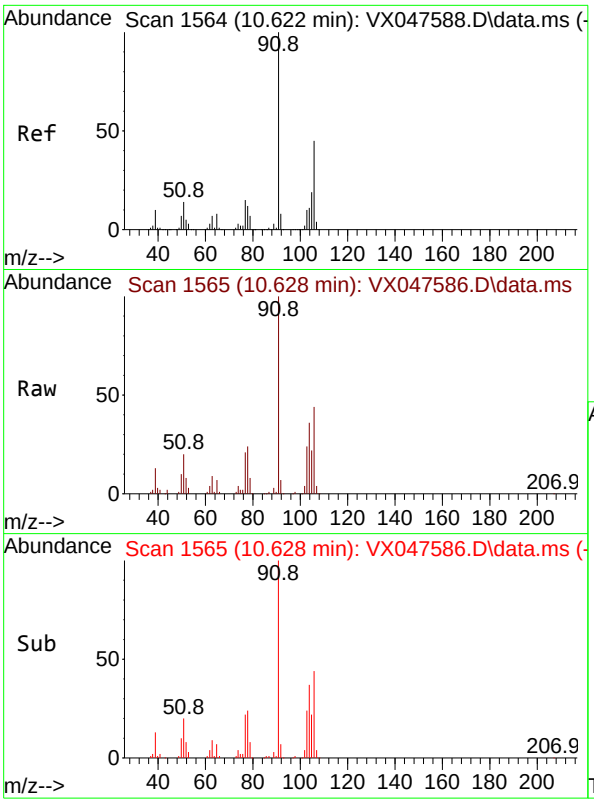


#68
m/p-Xylenes
Concen: 10.613 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:106 Resp: 49132

Ion	Ratio	Lower	Upper
106	100		
91	211.6	167.8	251.8



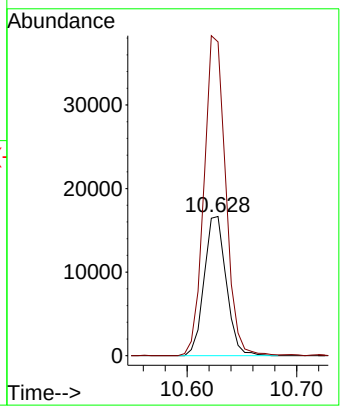


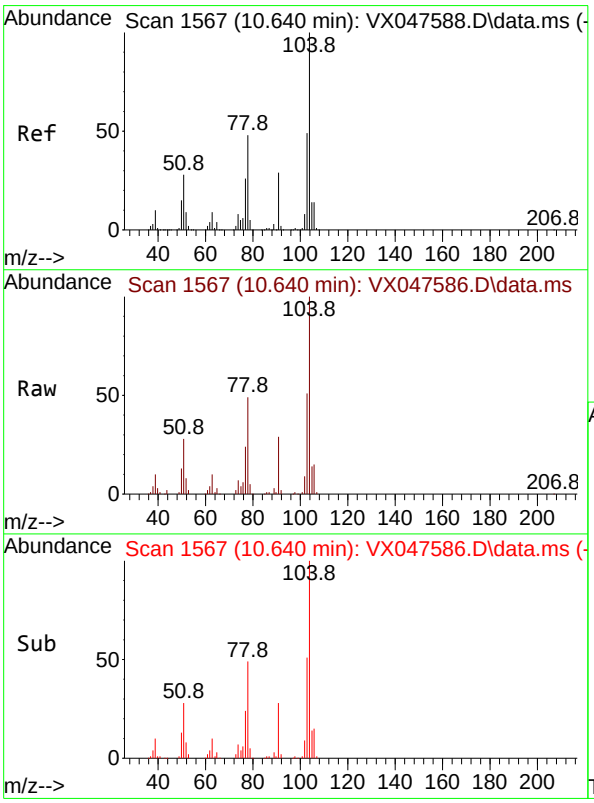
#69
o-Xylene
Concen: 5.204 ug/l
RT: 10.628 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:106 Resp: 23300

Ion	Ratio	Lower	Upper
106	100		
91	226.3	111.1	333.4

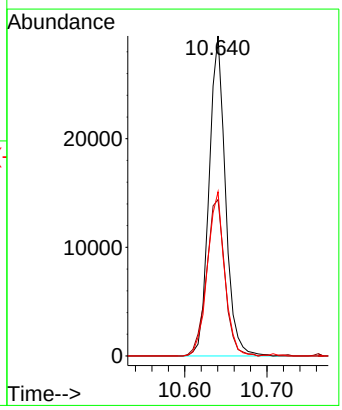


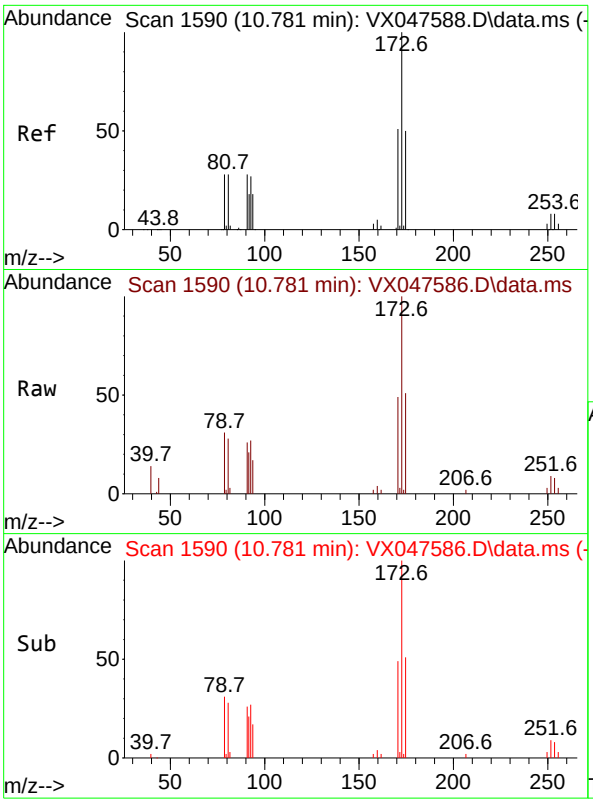


#70
Styrene
Concen: 5.210 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:104 Resp: 40872

Ion	Ratio	Lower	Upper
104	100		
78	54.8	43.1	64.7
103	53.7	43.1	64.7



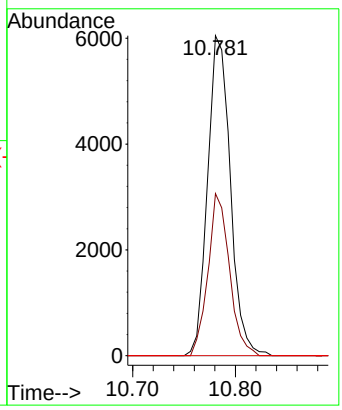


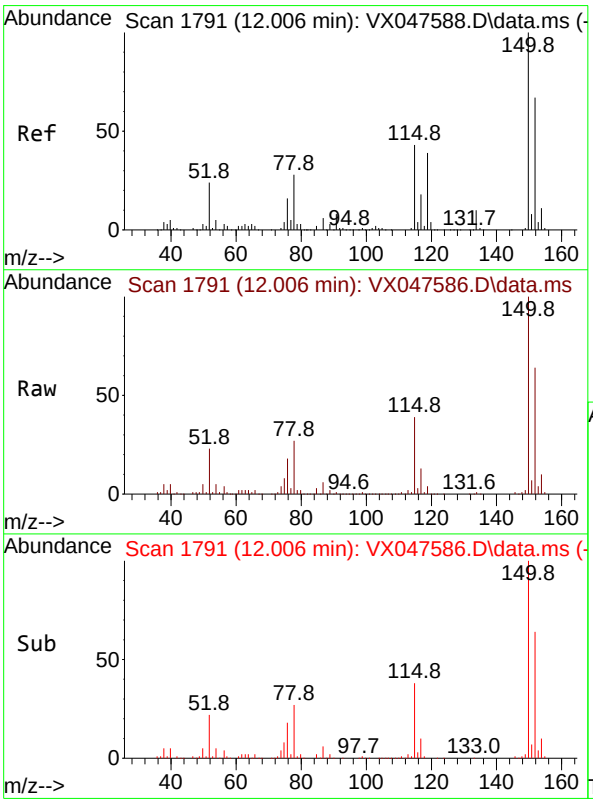
#71
Bromoform
Concen: 5.006 ug/l
RT: 10.781 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:173 Resp: 9298

Ion	Ratio	Lower	Upper
173	100		
175	47.9	24.9	74.6
254	0.0	0.1	0.1#

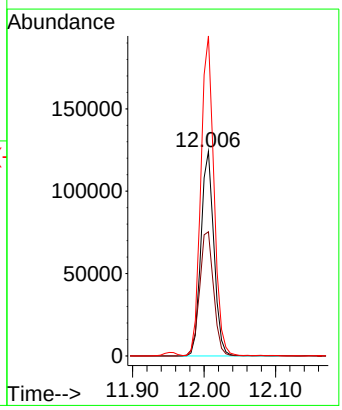


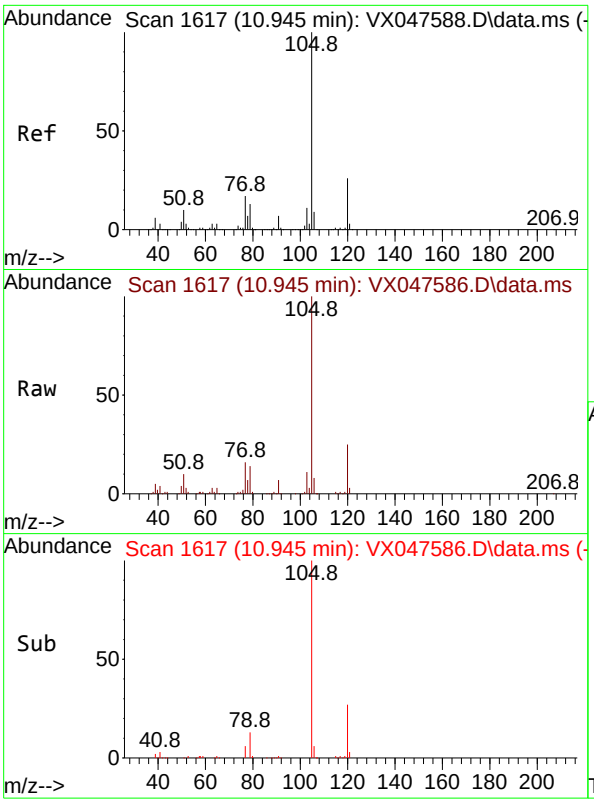


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:152 Resp: 156219

Ion	Ratio	Lower	Upper
152	100		
115	65.6	44.9	134.5
150	157.8	0.0	352.0



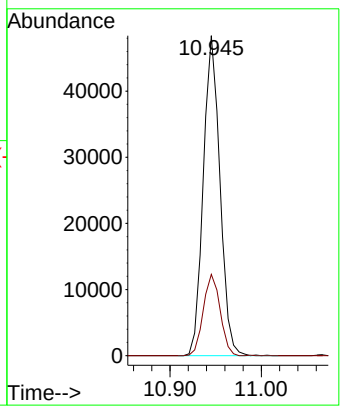


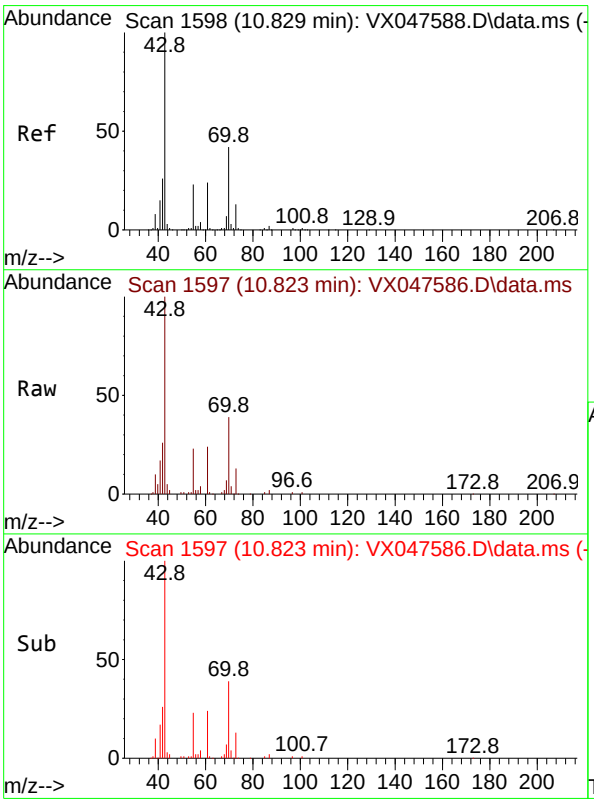
#73
Isopropylbenzene
Concen: 5.139 ug/l
RT: 10.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:105 Resp: 61029

Ion	Ratio	Lower	Upper
105	100		
120	25.6	12.8	38.4

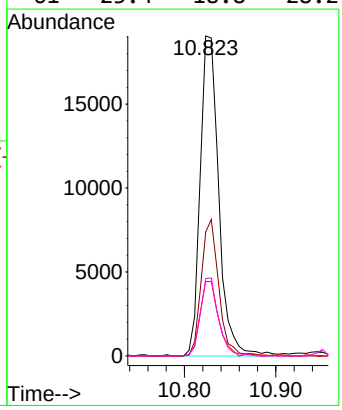


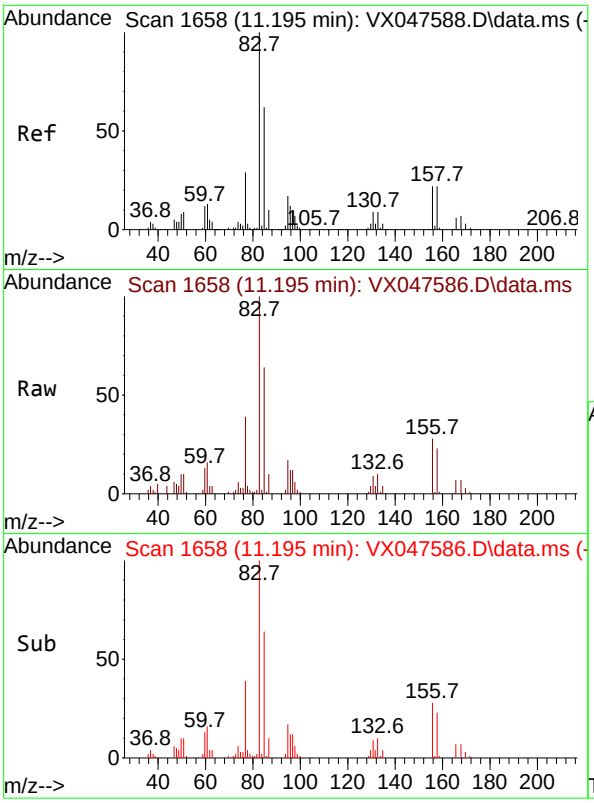


#74
N-amyl acetate
Concen: 4.980 ug/l
RT: 10.823 min Scan# 1597
Delta R.T. -0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 43 Resp: 26969

Ion	Ratio	Lower	Upper
43	100		
70	39.9	32.0	48.0
55	23.1	18.9	28.3
61	23.4	18.8	28.2



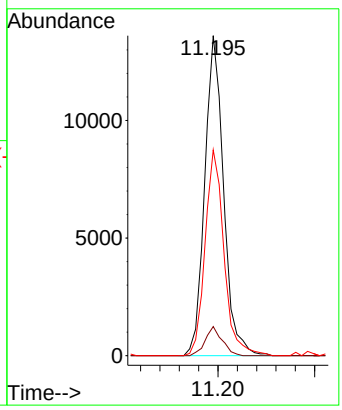


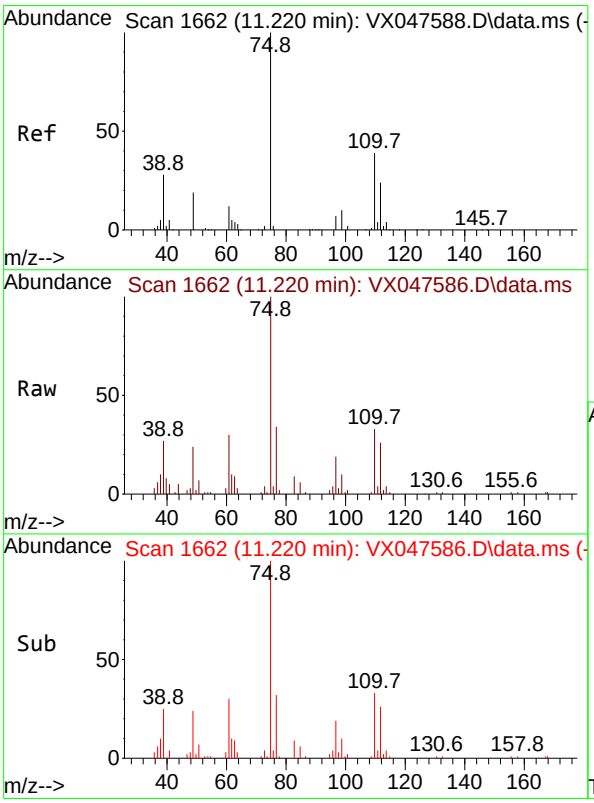
#75
1,1,2,2-Tetrachloroethane
Concen: 5.138 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 83 Resp: 18462

Ion	Ratio	Lower	Upper
83	100		
131	8.2	5.0	14.9
85	64.4	31.6	95.0

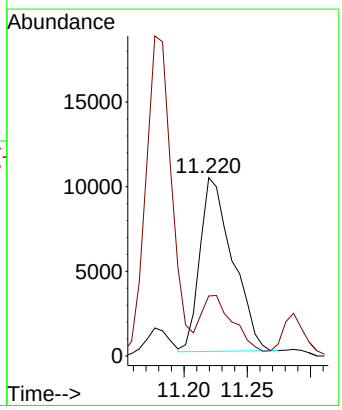


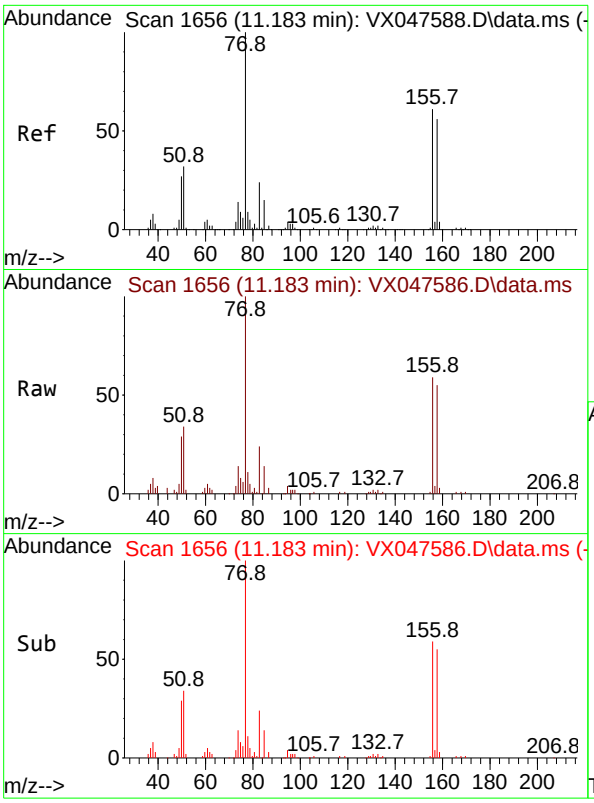


#76
1,2,3-Trichloropropane
Concen: 5.847 ug/l
RT: 11.220 min Scan# 1662
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 75 Resp: 18494

Ion	Ratio	Lower	Upper
75	100		
77	35.0	18.8	56.4



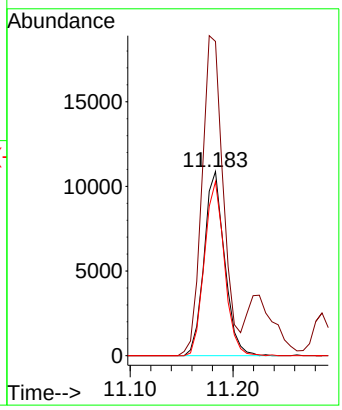


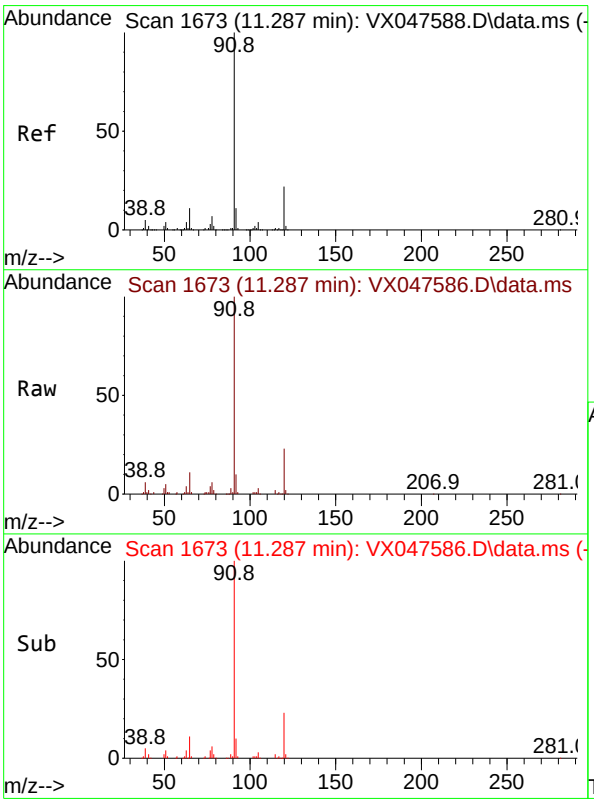
#77
Bromobenzene
Concen: 5.150 ug/l
RT: 11.183 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:156 Resp: 15066

Ion	Ratio	Lower	Upper
156	100		
77	180.3	89.7	269.1
158	92.6	47.9	143.6

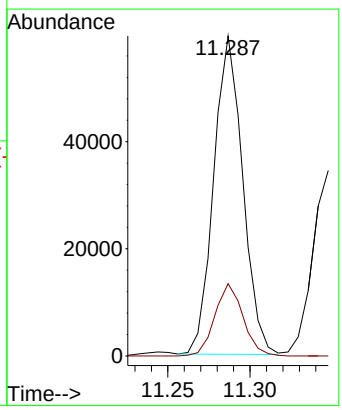


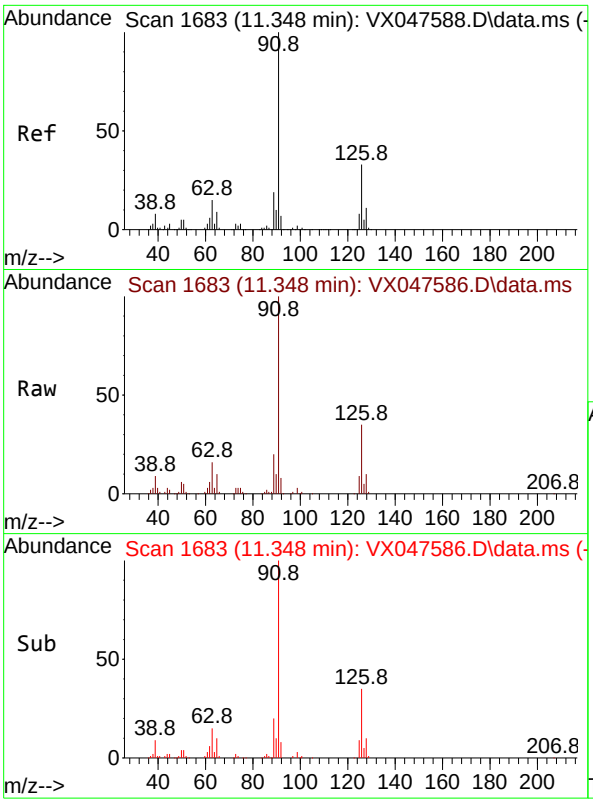


#78
n-propylbenzene
Concen: 5.192 ug/l
RT: 11.287 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 91 Resp: 72900

Ion	Ratio	Lower	Upper
91	100		
120	22.0	11.1	33.1



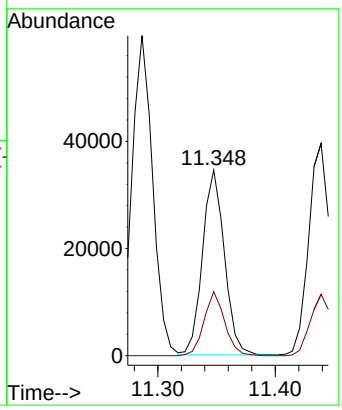


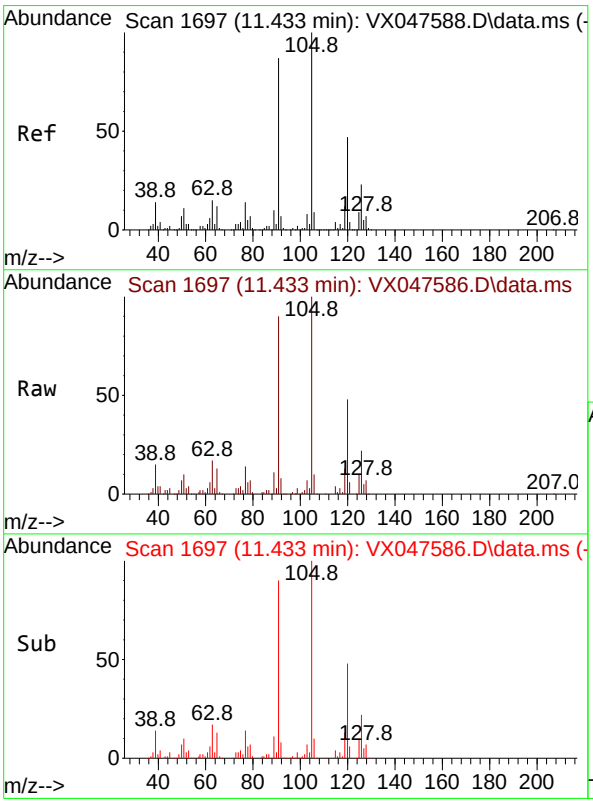
#79
2-Chlorotoluene
Concen: 5.194 ug/l
RT: 11.348 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 91 Resp: 44663

Ion	Ratio	Lower	Upper
91	100		
126	32.7	16.1	48.3

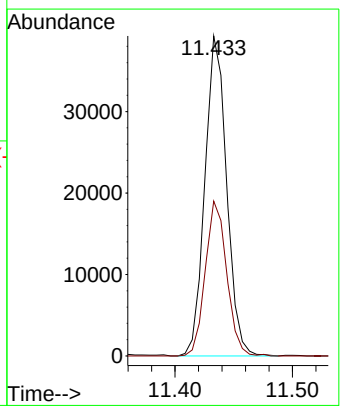


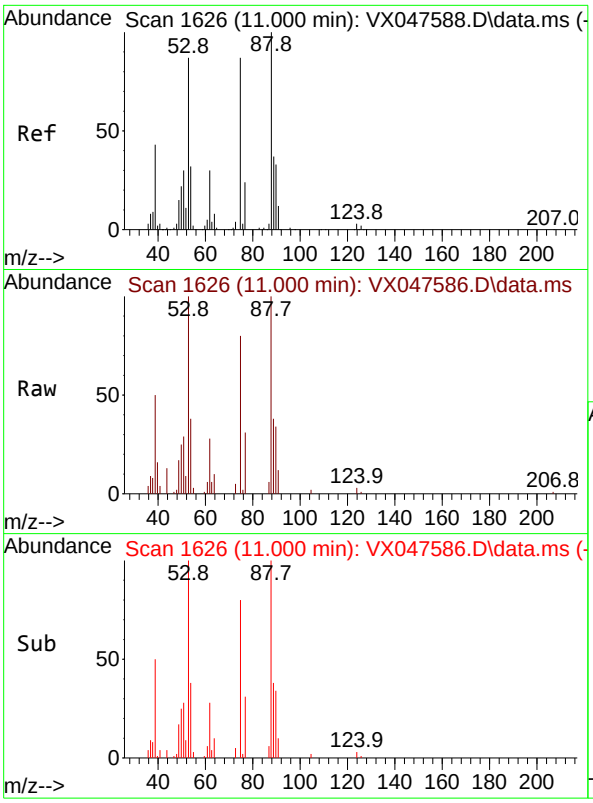


#80
1,3,5-Trimethylbenzene
Concen: 5.179 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:105 Resp: 50535

Ion	Ratio	Lower	Upper
105	100		
120	47.7	23.6	70.8



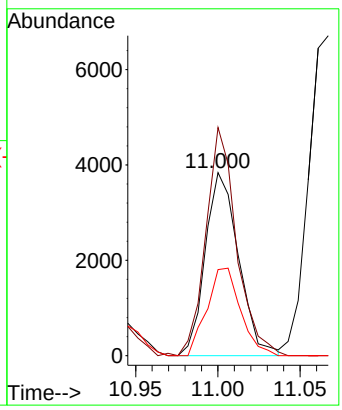


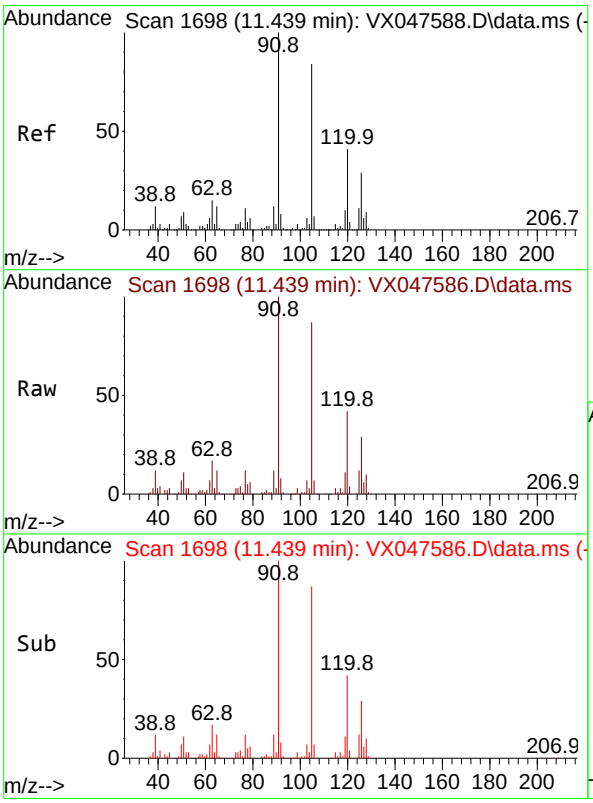
#81
trans-1,4-Dichloro-2-butene
Concen: 4.364 ug/l
RT: 11.000 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 75 Resp: 5413

Ion	Ratio	Lower	Upper
75	100		
53	114.9	83.4	125.2
89	48.3	36.3	54.5

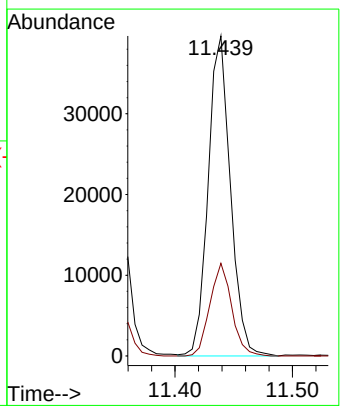


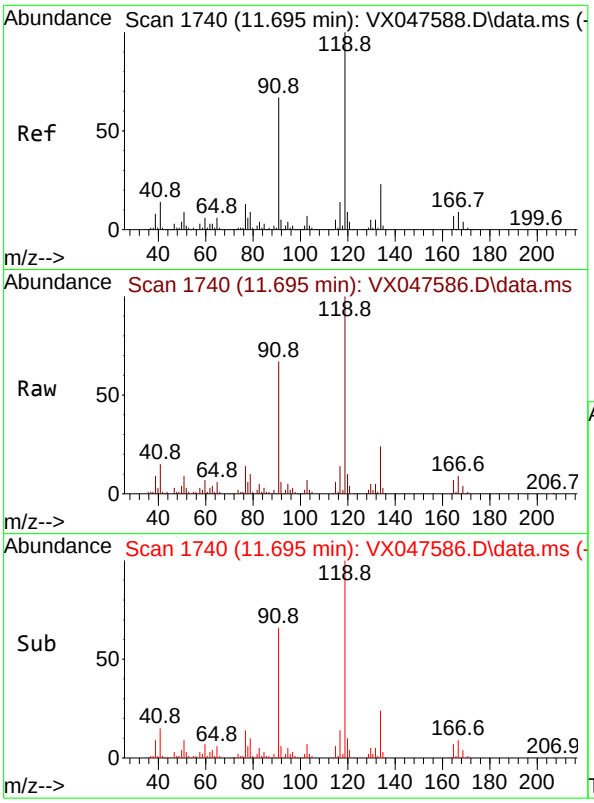


#82
4-Chlorotoluene
Concen: 5.149 ug/l
RT: 11.439 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 91 Resp: 52294

Ion	Ratio	Lower	Upper
91	100		
126	28.3	14.2	42.6



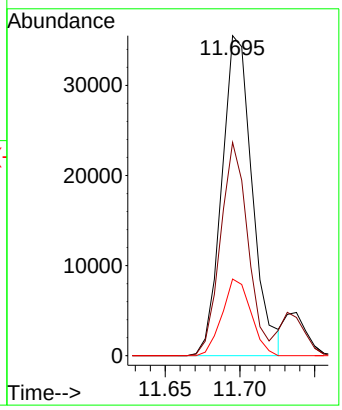


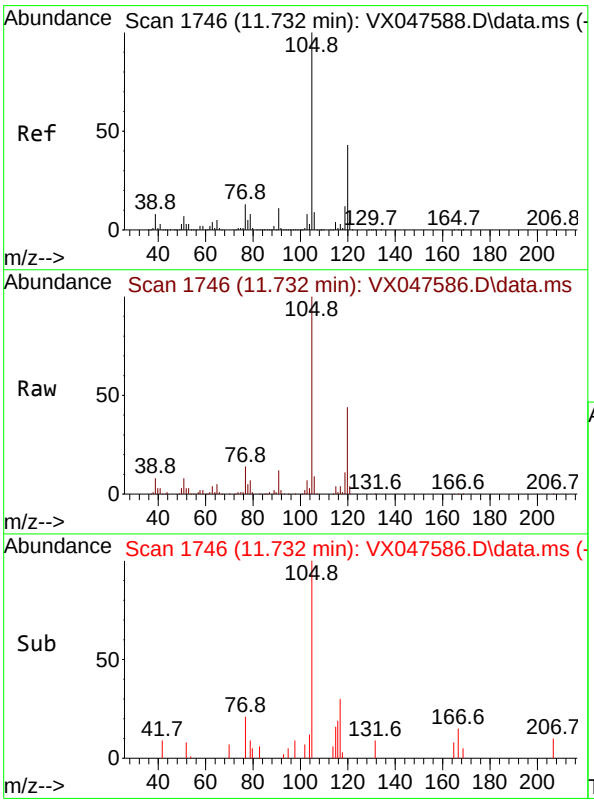
#83
tert-Butylbenzene
Concen: 5.041 ug/l
RT: 11.695 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:119 Resp: 50350

Ion	Ratio	Lower	Upper
119	100		
91	60.1	29.6	88.8
134	22.7	11.0	33.0

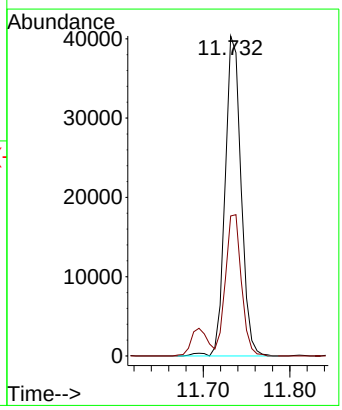


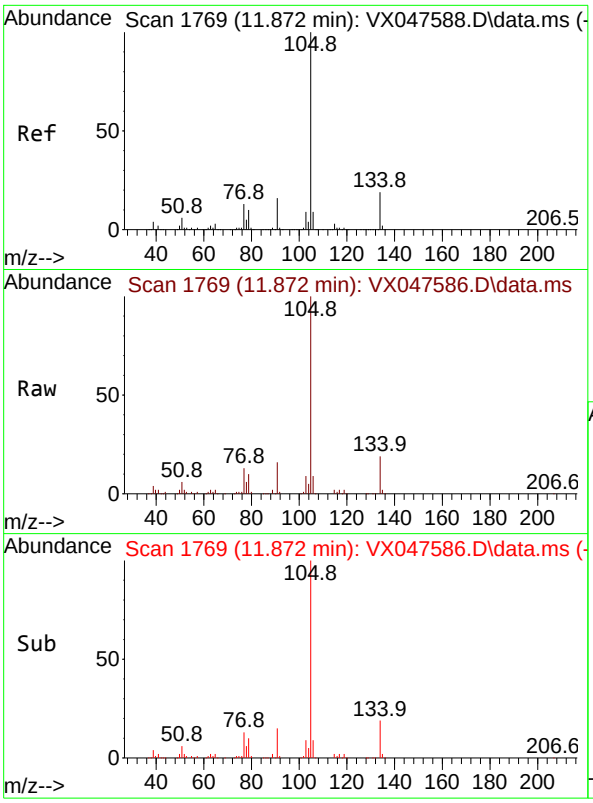


#84
1,2,4-Trimethylbenzene
Concen: 5.214 ug/l
RT: 11.732 min Scan# 1746
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:105 Resp: 51583

Ion	Ratio	Lower	Upper
105	100		
120	44.1	22.1	66.1



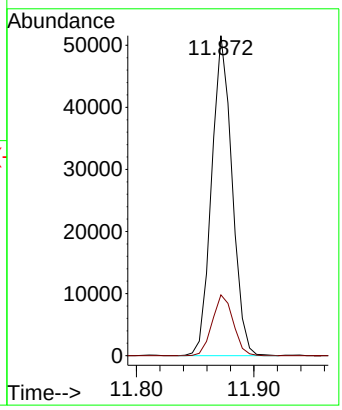


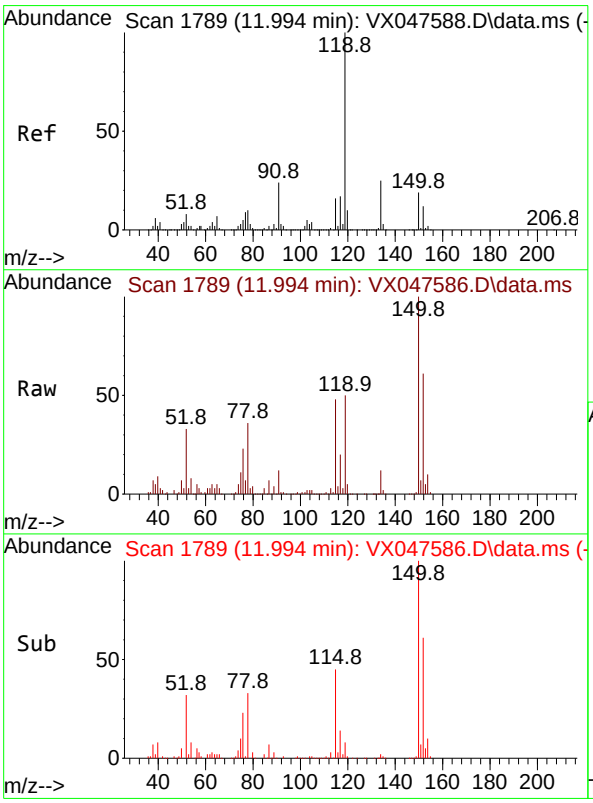
#85
sec-Butylbenzene
Concen: 5.268 ug/l
RT: 11.872 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:105 Resp: 62507

Ion	Ratio	Lower	Upper
105	100		
134	19.4	9.8	29.5

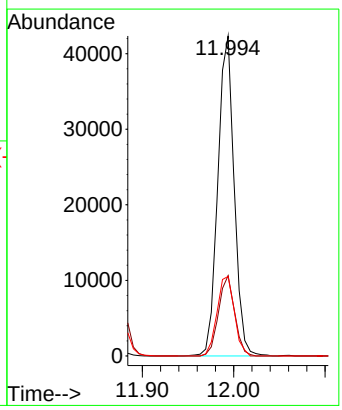


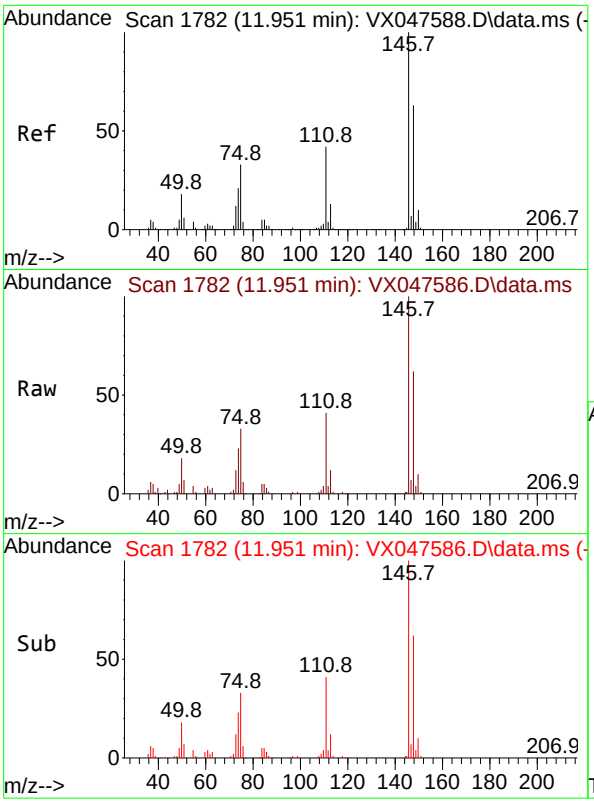


#86
p-Isopropyltoluene
Concen: 5.244 ug/l
RT: 11.994 min Scan# 1789
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:119 Resp: 52674

Ion	Ratio	Lower	Upper
119	100		
134	24.7	12.6	37.8
91	26.2	12.6	37.6



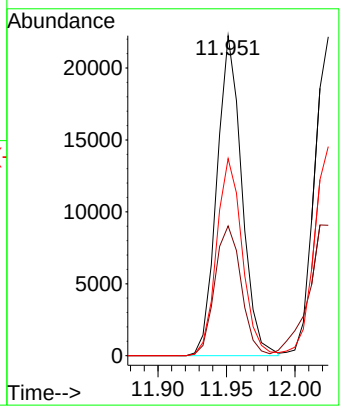


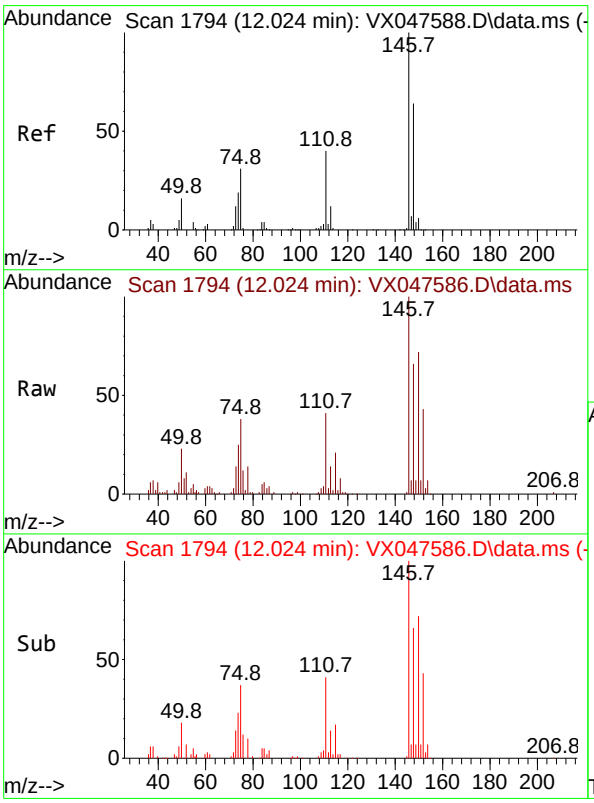
#87
1,3-Dichlorobenzene
Concen: 5.175 ug/l
RT: 11.951 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:146 Resp: 28116

Ion	Ratio	Lower	Upper
146	100		
111	43.0	21.5	64.5
148	63.4	32.0	96.0

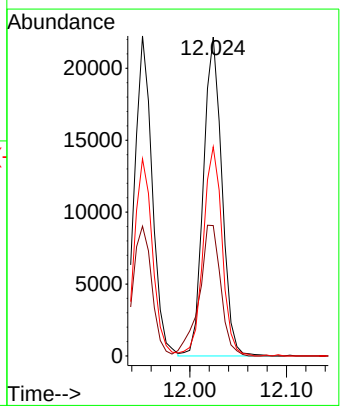


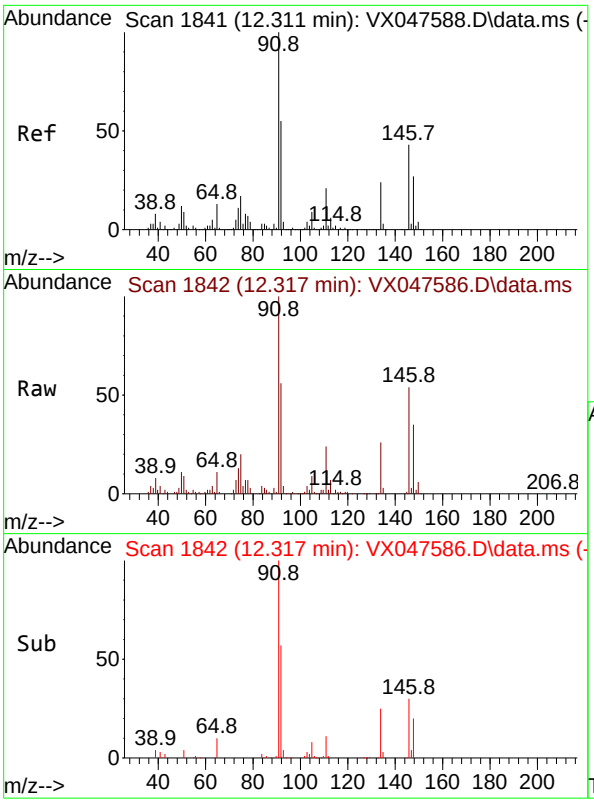


#88
1,4-Dichlorobenzene
Concen: 5.294 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:146 Resp: 29519

Ion	Ratio	Lower	Upper
146	100		
111	47.8	20.8	62.4
148	66.9	31.7	95.1



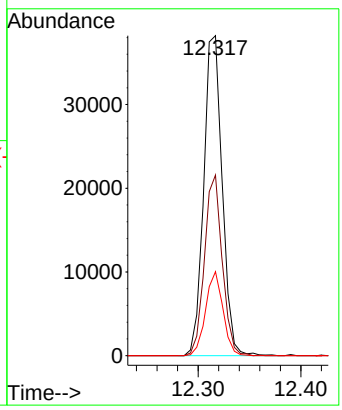


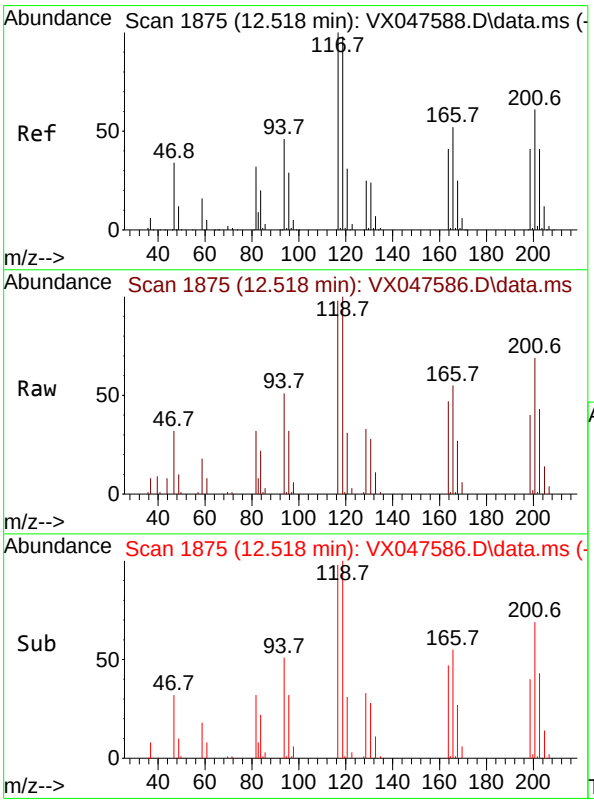
#89
n-Butylbenzene
Concen: 5.159 ug/l
RT: 12.317 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 91 Resp: 47953

Ion	Ratio	Lower	Upper
91	100		
92	54.1	27.6	82.7
134	24.6	12.6	37.8

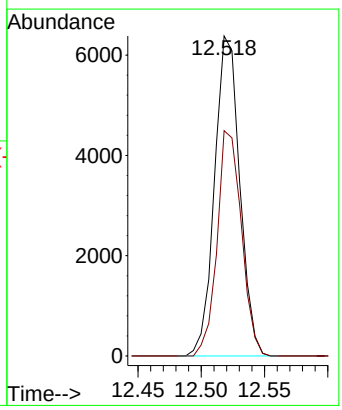


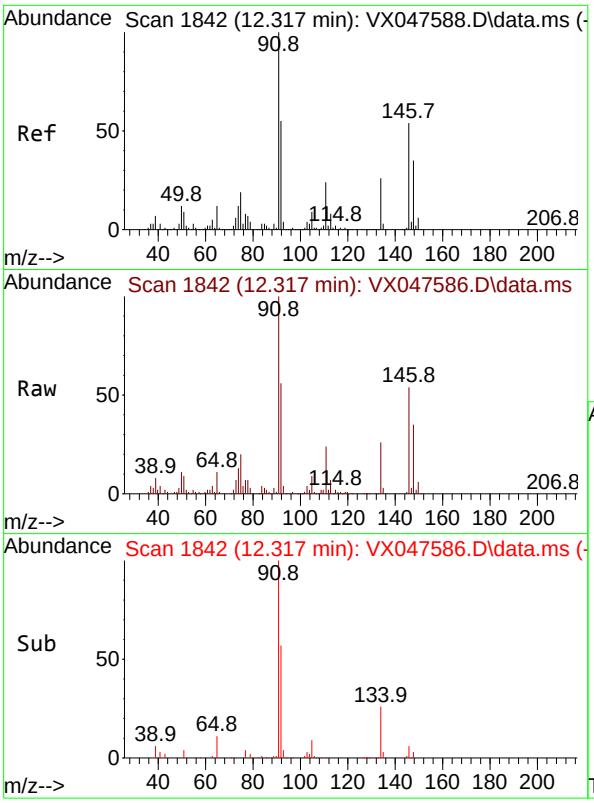


#90
Hexachloroethane
Concen: 5.007 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:117 Resp: 8830

Ion	Ratio	Lower	Upper
117	100		
201	67.9	34.2	102.5



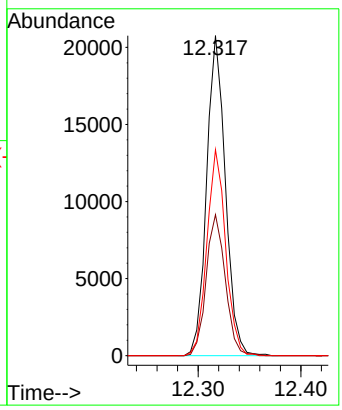


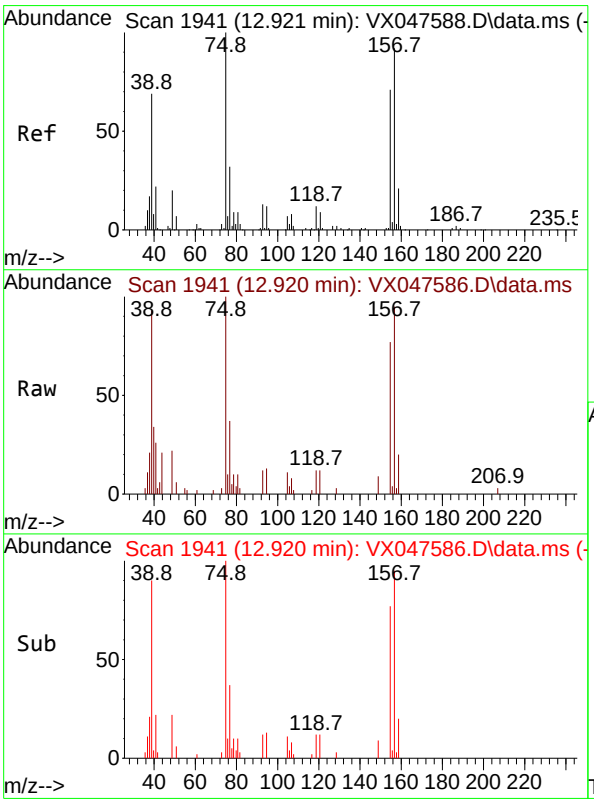
#91
1,2-Dichlorobenzene
Concen: 5.102 ug/l
RT: 12.317 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:146 Resp: 26409

Ion	Ratio	Lower	Upper
146	100		
111	44.9	22.2	66.6
148	64.2	31.8	95.4

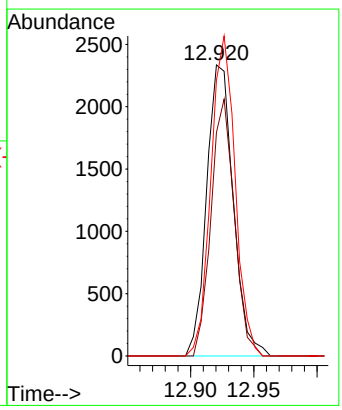


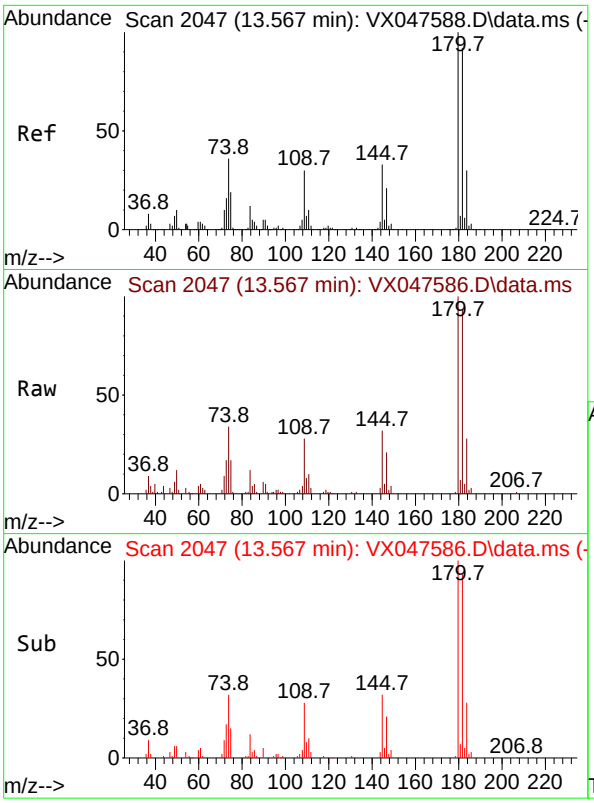


#92
1,2-Dibromo-3-Chloropropane
Concen: 4.690 ug/l
RT: 12.920 min Scan# 1941
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 75 Resp: 3412

Ion	Ratio	Lower	Upper
75	100		
155	77.4	37.7	113.1
157	100.1	49.8	149.4



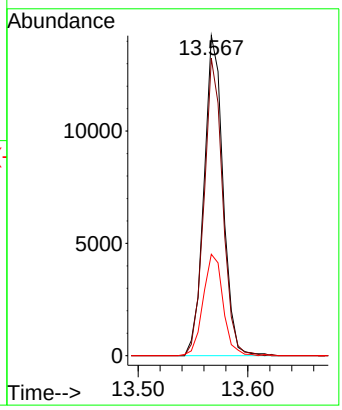


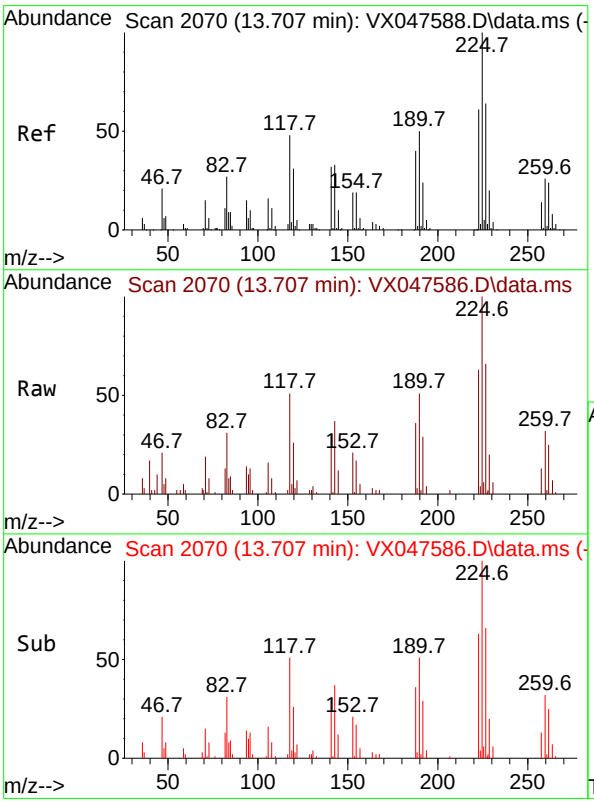
#93
1,2,4-Trichlorobenzene
Concen: 5.103 ug/l
RT: 13.567 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:180 Resp: 17167

Ion	Ratio	Lower	Upper
180	100		
182	91.2	46.6	139.8
145	33.2	16.4	49.1

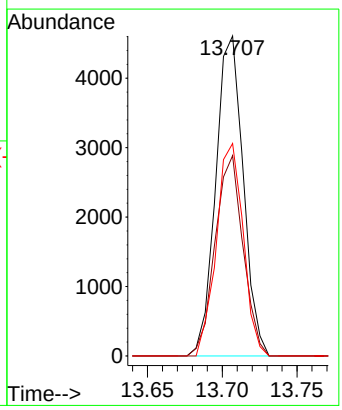


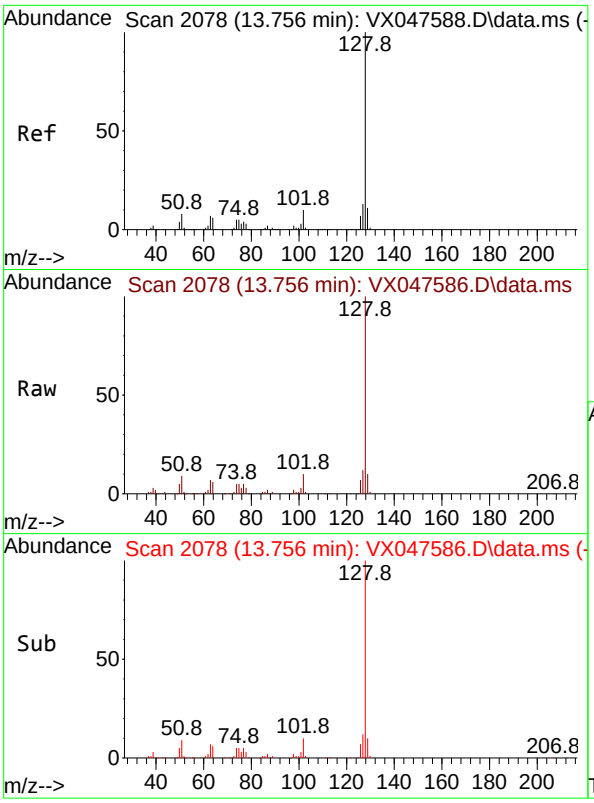


#94
Hexachlorobutadiene
Concen: 5.158 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:225 Resp: 5894

Ion	Ratio	Lower	Upper
225	100		
223	63.7	31.7	95.1
227	64.7	32.0	96.0



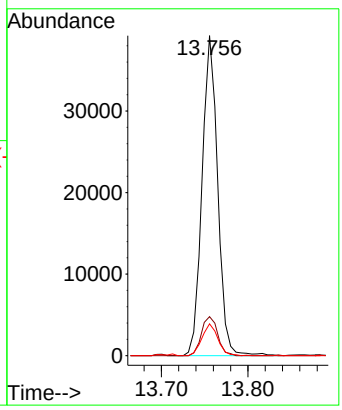


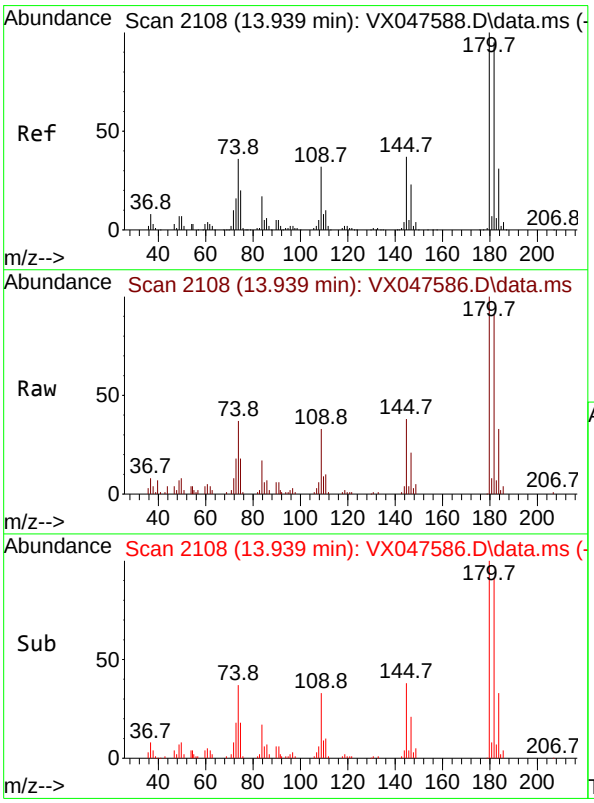
#95
Naphthalene
Concen: 4.808 ug/l
RT: 13.756 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:128 Resp: 49257

Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.2	15.2
129	10.1	8.8	13.2

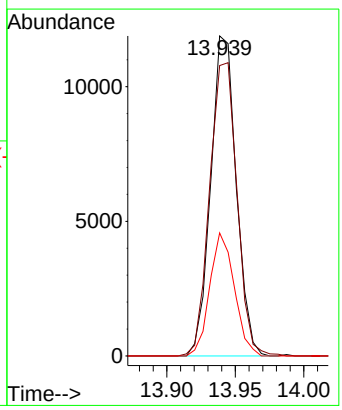




#96
1,2,3-Trichlorobenzene
Concen: 4.921 ug/l
RT: 13.939 min Scan# 2108
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:180 Resp: 15400

Ion	Ratio	Lower	Upper
180	100		
182	98.0	47.6	142.8
145	37.1	17.9	53.7



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047587.D
Acq On : 16 Sep 2025 10:37
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Quant Time: Sep 22 01:49:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.537	168	189559	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	336287	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	298629	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	141590	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	49073	16.264	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 32.520%#			
35) Dibromofluoromethane	5.379	113	35788	15.868	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 31.740%#			
50) Toluene-d8	8.634	98	126875	16.258	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 32.520%#			
62) 4-Bromofluorobenzene	11.067	95	48454	16.360	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 32.720%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.179	85	44126	22.480	ug/l	100
3) Chloromethane	1.300	50	56023	21.716	ug/l	96
4) Vinyl Chloride	1.386	62	54256	21.485	ug/l	96
5) Bromomethane	1.617	94	34193	21.353	ug/l	100
6) Chloroethane	1.697	64	35551	21.063	ug/l	97
7) Trichlorofluoromethane	1.898	101	78667	20.980	ug/l	100
8) Diethyl Ether	2.136	74	31335	20.429	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.337	101	45733	20.859	ug/l	98
10) Methyl Iodide	2.459	142	69935	20.452	ug/l	99
11) Tert butyl alcohol	2.946	59	32456	96.582	ug/l	98
12) 1,1-Dichloroethene	2.325	96	46863	20.808	ug/l	96
13) Acrolein	2.239	56	26159	84.473	ug/l	100
14) Allyl chloride	2.666	41	94710	20.379	ug/l	97
15) Acrylonitrile	3.062	53	130143	104.554	ug/l	99
16) Acetone	2.373	43	151538	115.507	ug/l	100
17) Carbon Disulfide	2.520	76	133296	21.620	ug/l	98
18) Methyl Acetate	2.703	43	54120	18.536	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	168426	20.486	ug/l	98
20) Methylene Chloride	2.788	84	57153	20.581	ug/l	97
21) trans-1,2-Dichloroethene	3.093	96	50413	20.791	ug/l	94
22) Diisopropyl ether	3.757	45	188598	20.940	ug/l	96
23) Vinyl Acetate	3.715	43	765675	106.218	ug/l	100
24) 1,1-Dichloroethane	3.605	63	98509	20.578	ug/l	99
25) 2-Butanone	4.538	43	179487	109.679	ug/l	94
26) 2,2-Dichloropropane	4.471	77	81413	20.459	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	60865	20.497	ug/l	98
28) Bromochloromethane	4.891	49	34085	16.309	ug/l	100
29) Tetrahydrofuran	4.995	42	102935	104.560	ug/l	97
30) Chloroform	5.080	83	103586	21.413	ug/l	99
31) Cyclohexane	5.464	56	82770	20.759	ug/l	98
32) 1,1,1-Trichloroethane	5.373	97	86500	21.081	ug/l	99
36) 1,1-Dichloropropene	5.684	75	68395	20.754	ug/l	99
37) Ethyl Acetate	4.702	43	74499	21.113	ug/l	96
38) Carbon Tetrachloride	5.665	117	74636	20.844	ug/l	95
39) Methylcyclohexane	7.366	83	79499	21.251	ug/l	98
40) Benzene	6.025	78	210711	21.051	ug/l	98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047587.D
Acq On : 16 Sep 2025 10:37
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Quant Time: Sep 22 01:49:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.910	41	38525	21.148	ug/l		99
42) 1,2-Dichloroethane	6.074	62	80646	21.175	ug/l		99
43) Isopropyl Acetate	6.324	43	119623	20.670	ug/l		100
44) Trichloroethene	7.110	130	51369	21.228	ug/l		97
45) 1,2-Dichloropropane	7.415	63	53046	20.697	ug/l		97
46) Dibromomethane	7.568	93	38910	20.862	ug/l		99
47) Bromodichloromethane	7.805	83	80831	21.002	ug/l		98
48) Methyl methacrylate	7.677	41	60182	20.877	ug/l		98
49) 1,4-Dioxane	7.647	88	12047	413.530	ug/l		95
51) 4-Methyl-2-Pentanone	8.561	43	338370	105.456	ug/l		100
52) Toluene	8.708	92	129193	20.950	ug/l		99
53) t-1,3-Dichloropropene	8.964	75	80972	20.625	ug/l		100
54) cis-1,3-Dichloropropene	8.354	75	86648	20.650	ug/l		99
55) 1,1,2-Trichloroethane	9.140	97	49857	20.967	ug/l		98
56) Ethyl methacrylate	9.104	69	79011	21.158	ug/l		99
57) 1,3-Dichloropropane	9.293	76	85511	20.934	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.226	63	141395	86.617	ug/l		100
59) 2-Hexanone	9.415	43	250007	108.488	ug/l		99
60) Dibromochloromethane	9.506	129	57994	21.167	ug/l		99
61) 1,2-Dibromoethane	9.598	107	51614	21.310	ug/l		99
64) Tetrachloroethene	9.262	164	40840	20.979	ug/l		95
65) Chlorobenzene	10.061	112	140642	20.731	ug/l		100
66) 1,1,1,2-Tetrachloroethane	10.146	131	48022	20.513	ug/l		99
67) Ethyl Benzene	10.177	91	244737	20.907	ug/l		98
68) m/p-Xylenes	10.287	106	182778	41.951	ug/l		100
69) o-Xylene	10.628	106	87651	20.799	ug/l		98
70) Styrene	10.640	104	154077	20.866	ug/l		99
71) Bromoform	10.780	173	35922	20.550	ug/l	#	98
73) Isopropylbenzene	10.945	105	225730	20.970	ug/l		99
74) N-amyl acetate	10.829	43	104823	21.354	ug/l		100
75) 1,1,2,2-Tetrachloroethane	11.195	83	68132	20.920	ug/l		99
76) 1,2,3-Trichloropropane	11.225	75	76996	26.858	ug/l		89
77) Bromobenzene	11.183	156	56161	21.183	ug/l		99
78) n-propylbenzene	11.286	91	268399	21.092	ug/l		100
79) 2-Chlorotoluene	11.347	91	166237	21.329	ug/l		100
80) 1,3,5-Trimethylbenzene	11.433	105	187513	21.202	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.000	75	21553	19.173	ug/l		96
82) 4-Chlorotoluene	11.439	91	193122	20.980	ug/l		100
83) tert-Butylbenzene	11.695	119	189484	20.929	ug/l		100
84) 1,2,4-Trimethylbenzene	11.738	105	191477	21.355	ug/l		98
85) sec-Butylbenzene	11.872	105	223434	20.777	ug/l		100
86) p-Isopropyltoluene	11.994	119	190931	20.972	ug/l		98
87) 1,3-Dichlorobenzene	11.951	146	103584	21.035	ug/l		99
88) 1,4-Dichlorobenzene	12.024	146	105819	20.937	ug/l		99
89) n-Butylbenzene	12.317	91	176373	20.937	ug/l		99
90) Hexachloroethane	12.518	117	32526	20.349	ug/l		98
91) 1,2-Dichlorobenzene	12.317	146	99493	21.207	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.926	75	13729	20.821	ug/l		96
93) 1,2,4-Trichlorobenzene	13.567	180	62722	20.571	ug/l		96
94) Hexachlorobutadiene	13.707	225	20456	19.751	ug/l		98
95) Naphthalene	13.756	128	193134	20.801	ug/l		99
96) 1,2,3-Trichlorobenzene	13.938	180	58409	20.593	ug/l		100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047587.D
Acq On : 16 Sep 2025 10:37
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Quant Time: Sep 22 01:49:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

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

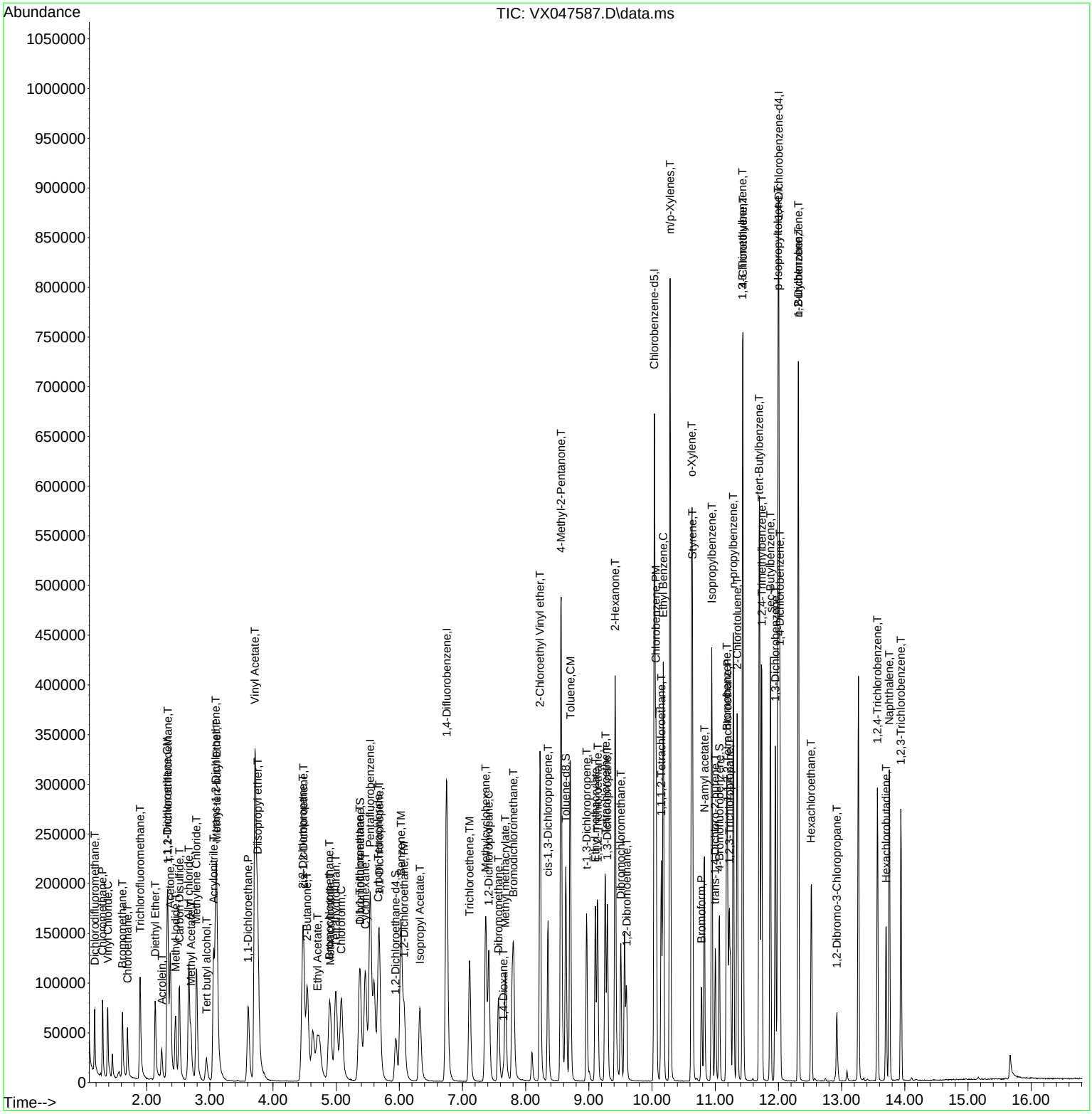
(#) = qualifier out of range (m) = manual integration (+) = signals summed

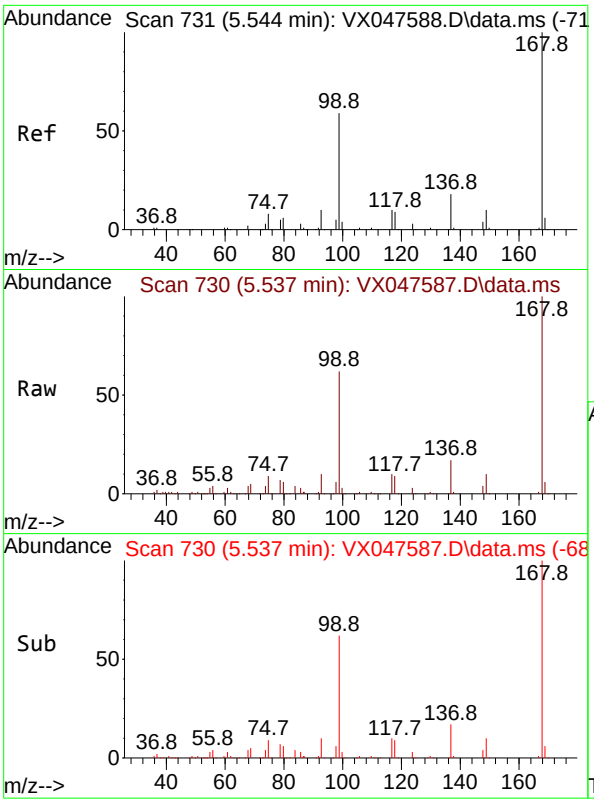
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047587.D
Acq On : 16 Sep 2025 10:37
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Quant Time: Sep 22 01:49:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



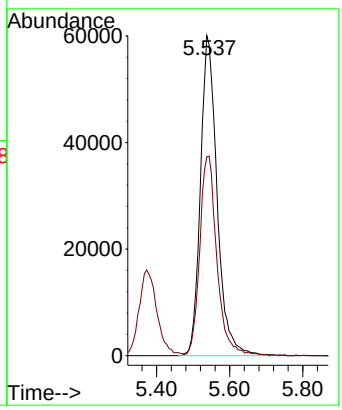


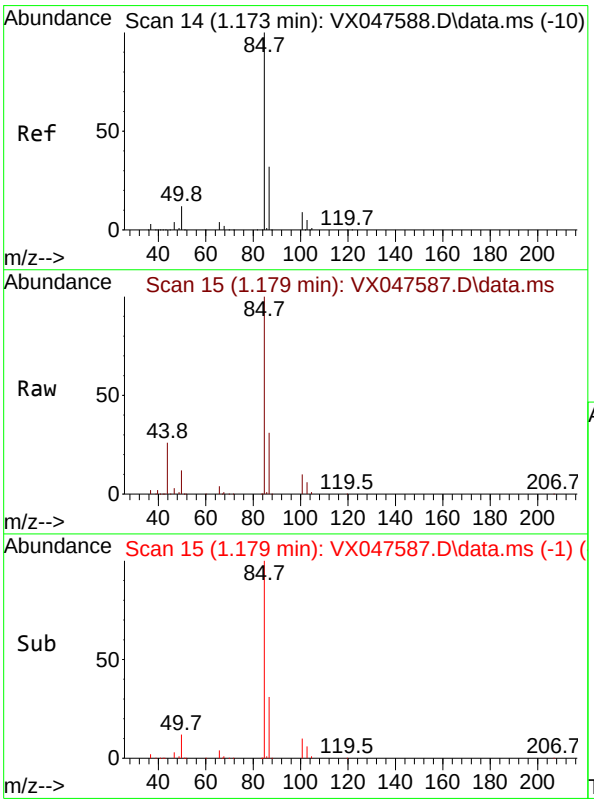
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.537 min Scan# 7
Delta R.T. -0.007 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:168 Resp: 189559

Ion	Ratio	Lower	Upper
168	100		
99	61.9	48.8	73.2

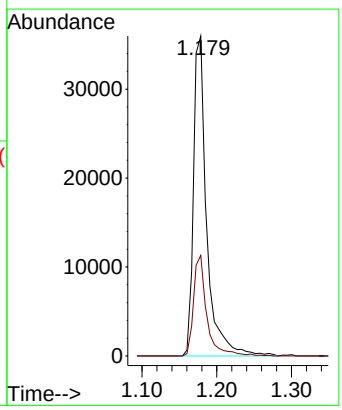


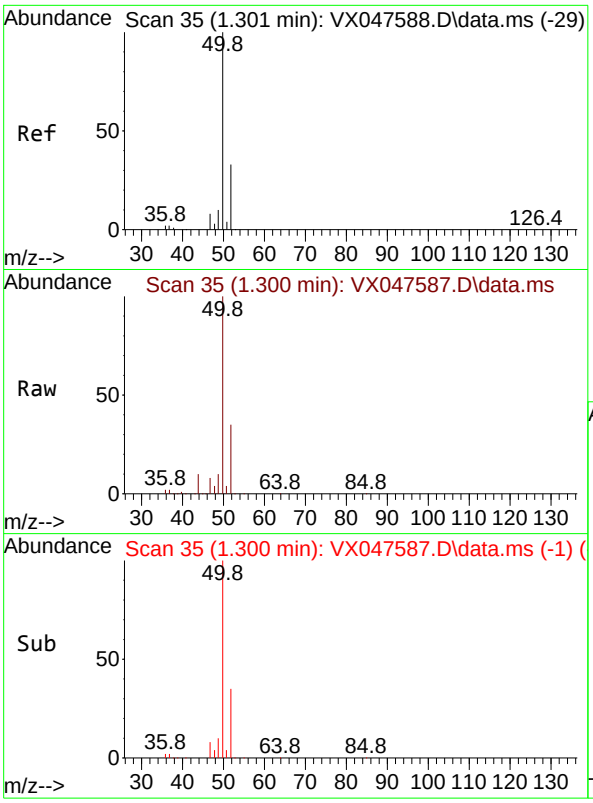


#2
Dichlorodifluoromethane
Concen: 22.480 ug/l
RT: 1.179 min Scan# 15
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 85 Resp: 44126

Ion	Ratio	Lower	Upper
85	100		
87	31.5	15.8	47.3



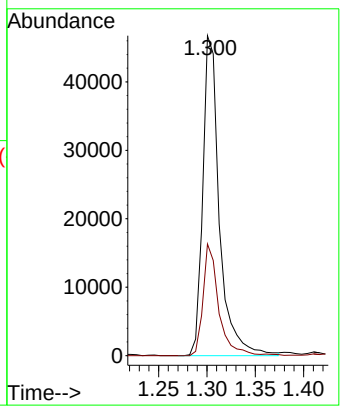


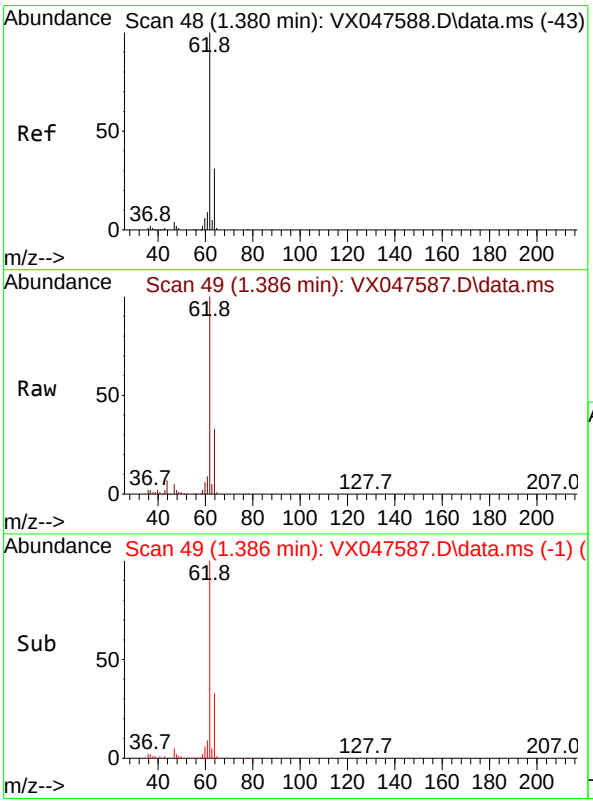
#3
Chloromethane
Concen: 21.716 ug/l
RT: 1.300 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 50 Resp: 56023

Ion	Ratio	Lower	Upper
50	100		
52	34.9	26.1	39.1

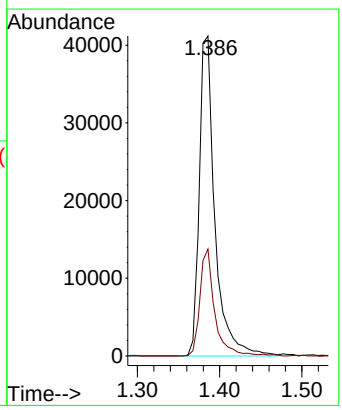


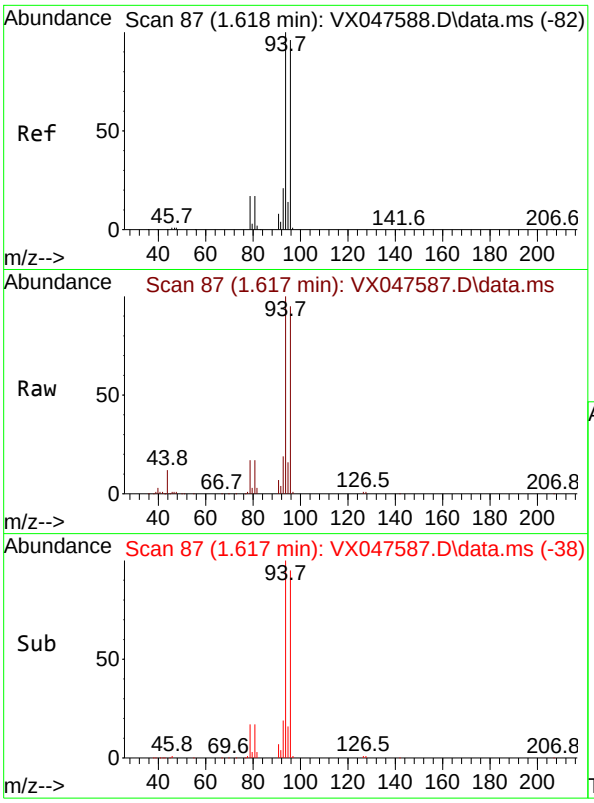


#4
Vinyl Chloride
Concen: 21.485 ug/l
RT: 1.386 min Scan# 49
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 62 Resp: 54256

Ion	Ratio	Lower	Upper
62	100		
64	33.4	24.9	37.3



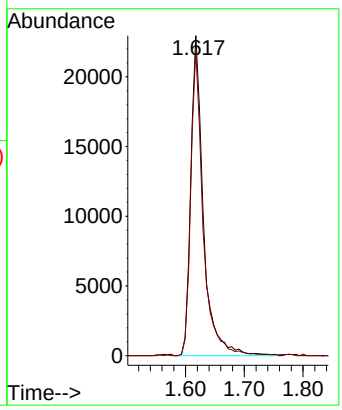


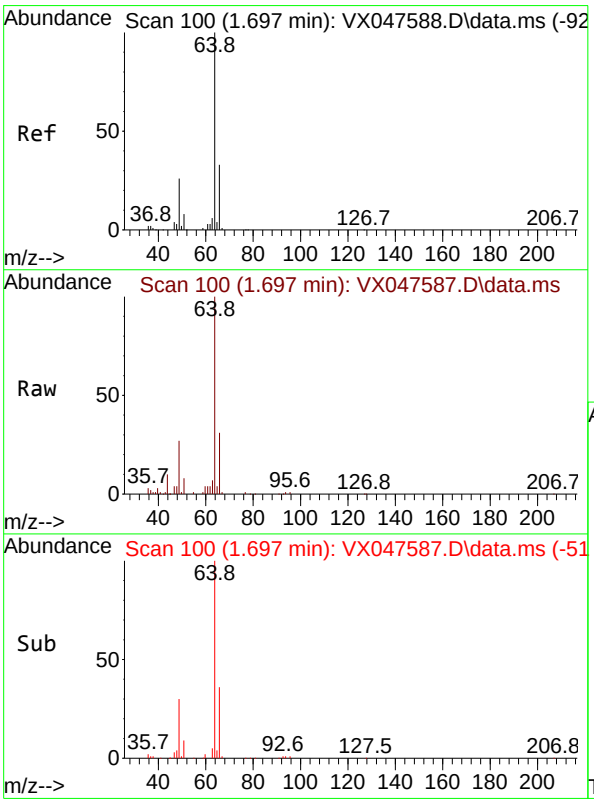
#5
Bromomethane
Concen: 21.353 ug/l
RT: 1.617 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 94 Resp: 34193

Ion	Ratio	Lower	Upper
94	100		
96	95.3	76.6	115.0

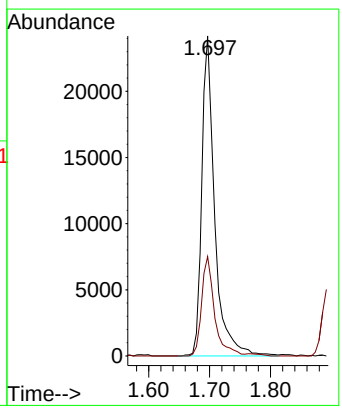


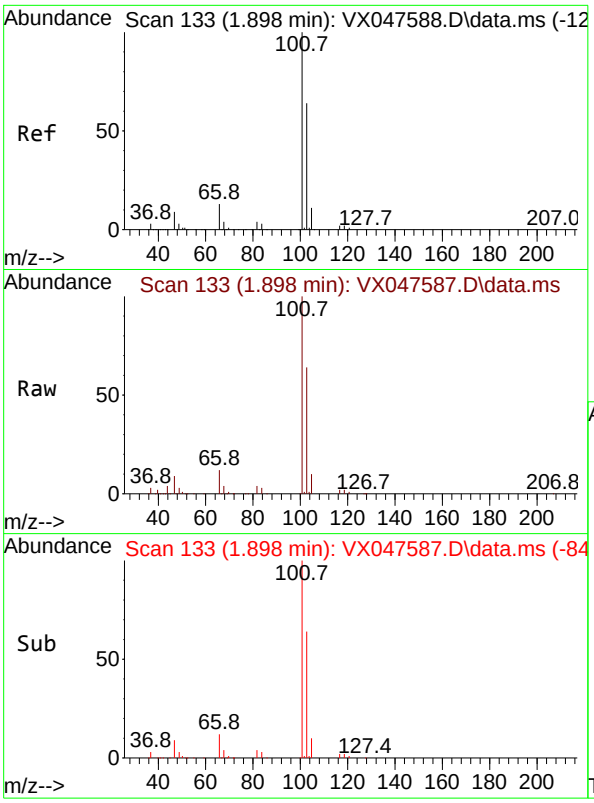


#6
Chloroethane
Concen: 21.063 ug/l
RT: 1.697 min Scan# 100
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 64 Resp: 35551

Ion	Ratio	Lower	Upper
64	100		
66	31.0	26.1	39.1



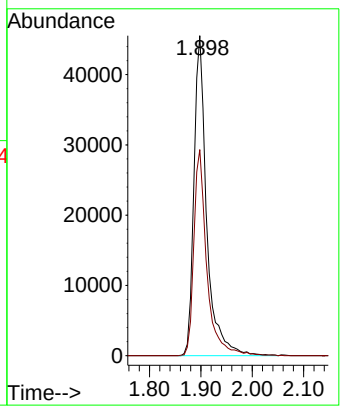


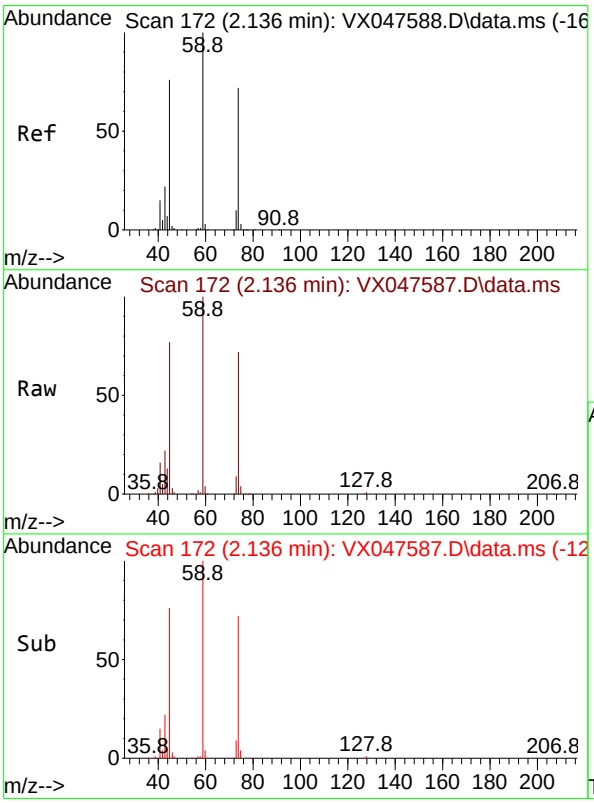
#7
Trichlorofluoromethane
Concen: 20.980 ug/l
RT: 1.898 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:101 Resp: 78667

Ion	Ratio	Lower	Upper
101	100		
103	64.4	51.4	77.2

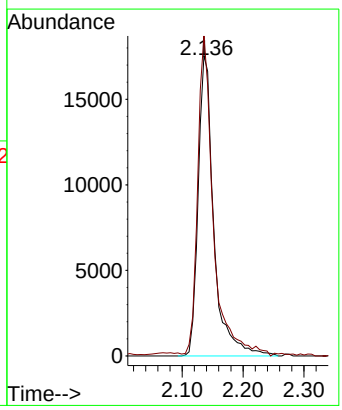


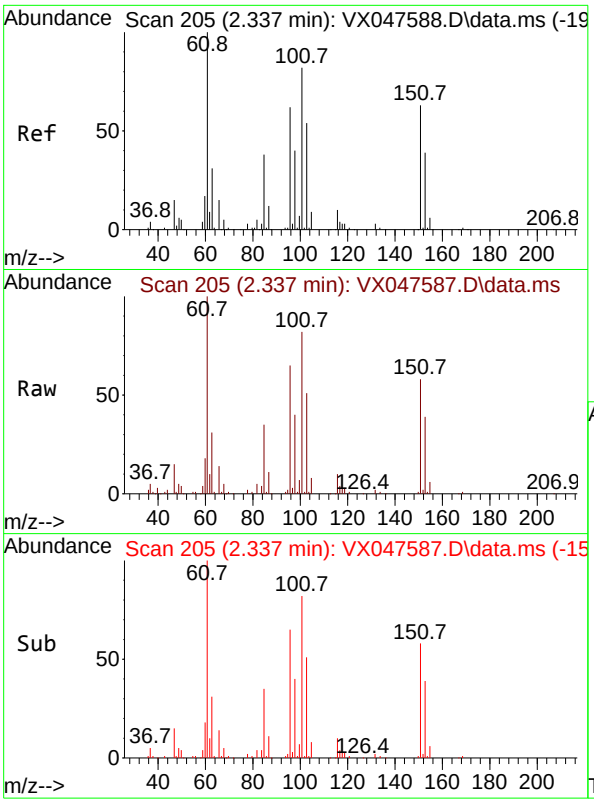


#8
Diethyl Ether
Concen: 20.429 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 74 Resp: 31335

Ion	Ratio	Lower	Upper
74	100		
45	107.0	52.3	156.8



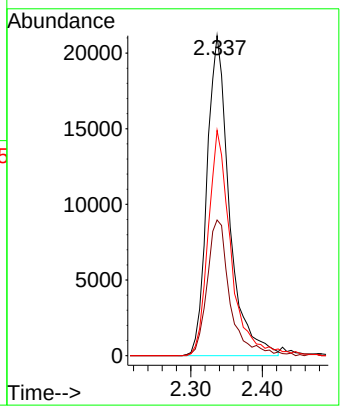


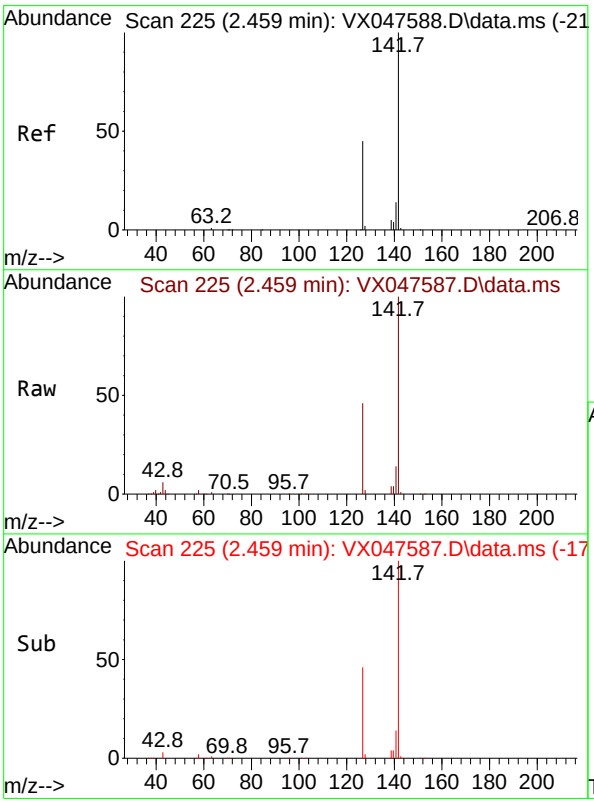
#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.859 ug/l
RT: 2.337 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:101 Resp: 45733

Ion	Ratio	Lower	Upper
101	100		
85	43.6	35.5	53.3
151	72.1	59.4	89.0

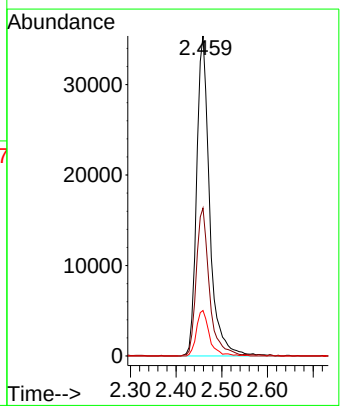


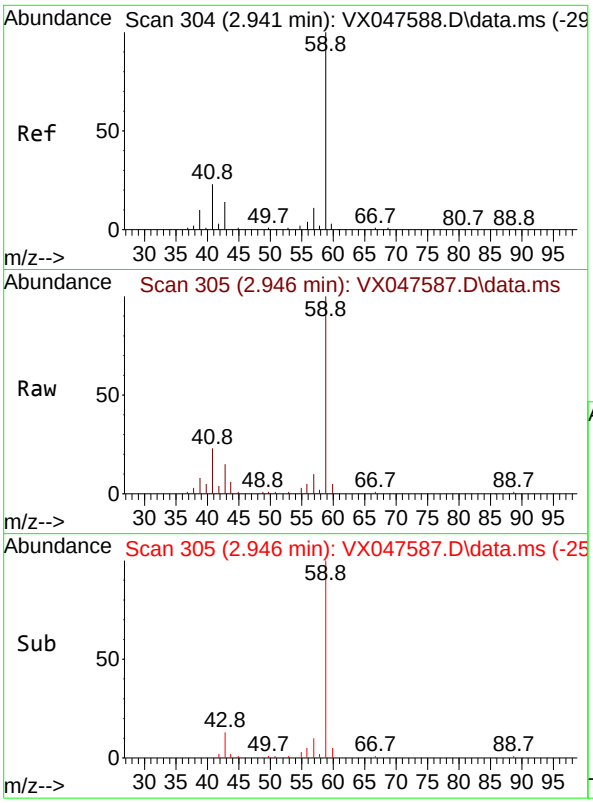


#10
Methyl Iodide
Concen: 20.452 ug/l
RT: 2.459 min Scan# 225
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:142 Resp: 69935

Ion	Ratio	Lower	Upper
142	100		
127	46.9	37.2	55.8
141	14.3	11.4	17.0



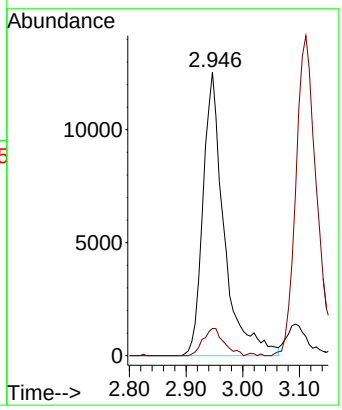


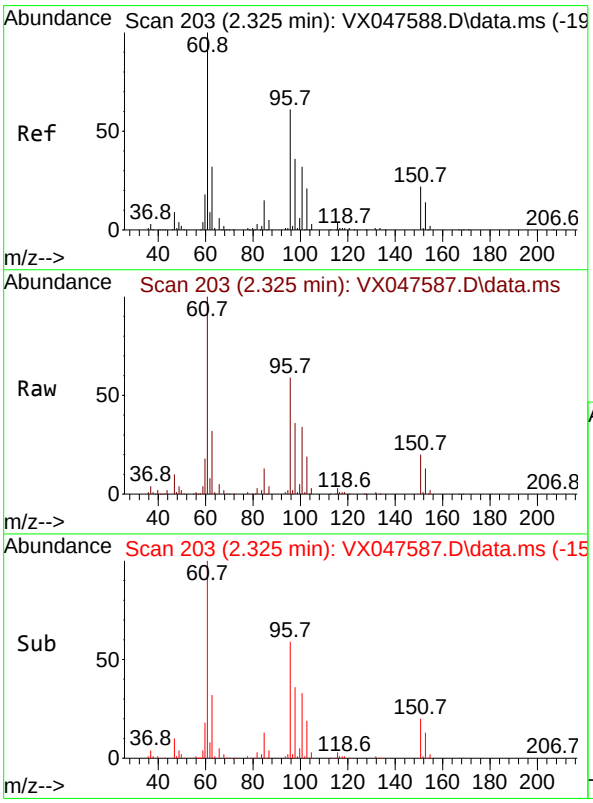
#11
Tert butyl alcohol
Concen: 96.582 ug/l
RT: 2.946 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 59 Resp: 32456

Ion	Ratio	Lower	Upper
59	100		
57	9.5	8.3	12.5

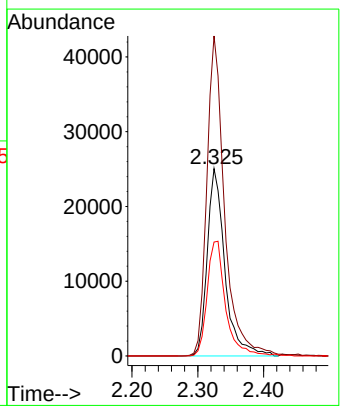


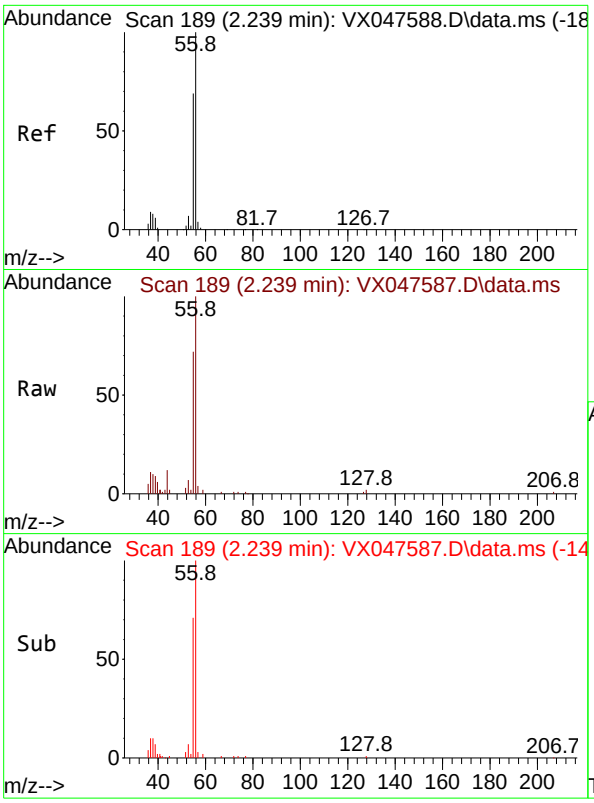


#12
1,1-Dichloroethene
Concen: 20.808 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 96 Resp: 46863

Ion	Ratio	Lower	Upper
96	100		
61	170.7	131.0	196.6
98	60.8	47.7	71.5



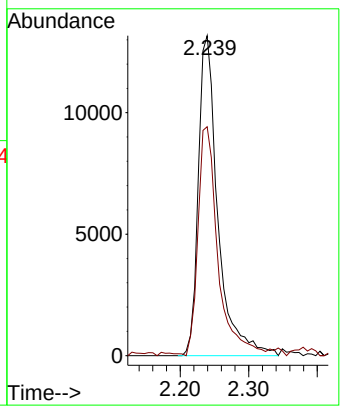


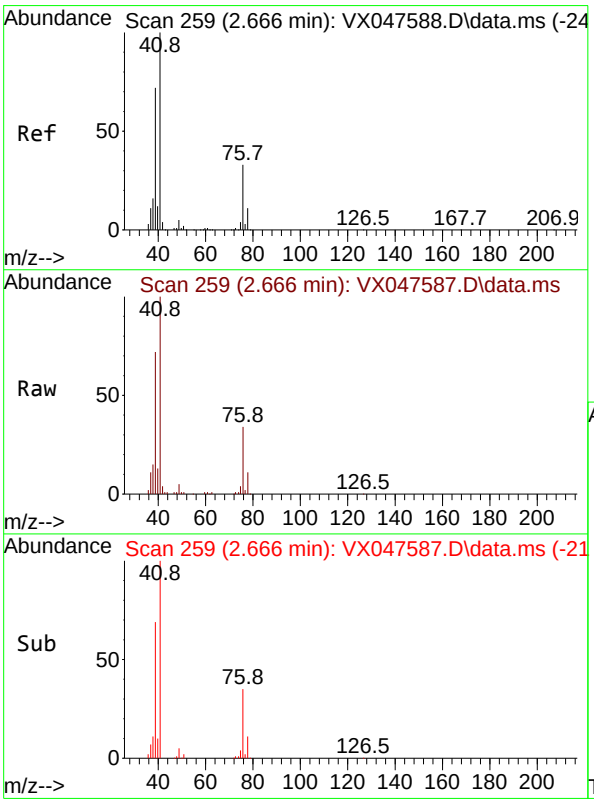
#13
Acrolein
Concen: 84.473 ug/l
RT: 2.239 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 56 Resp: 26159

Ion	Ratio	Lower	Upper
56	100		
55	71.5	57.2	85.8

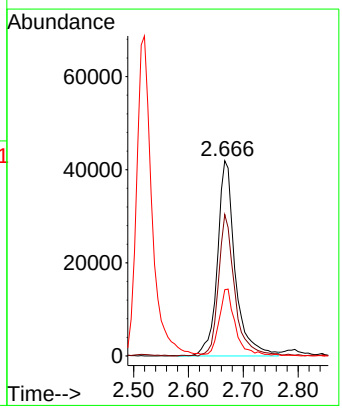


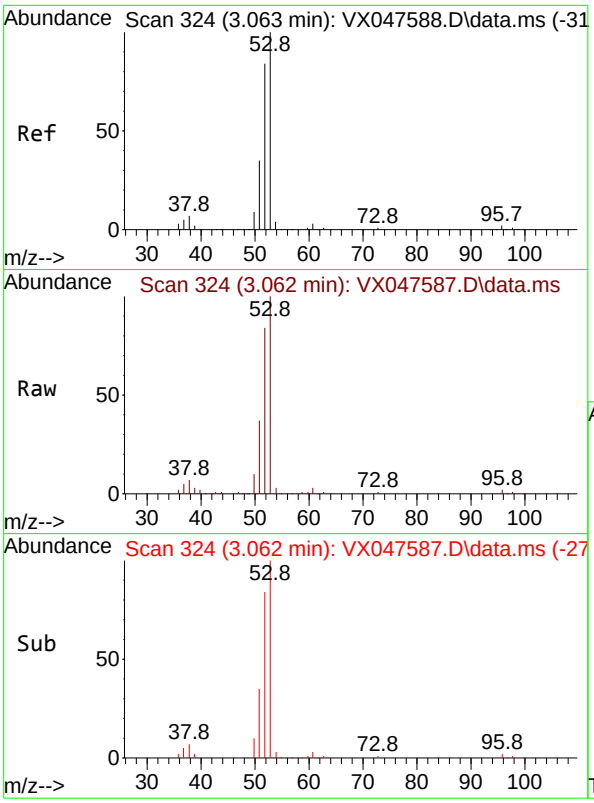


#14
Allyl chloride
Concen: 20.379 ug/l
RT: 2.666 min Scan# 259
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 41 Resp: 94710

Ion	Ratio	Lower	Upper
41	100		
39	65.5	54.7	82.1
76	30.3	25.7	38.5



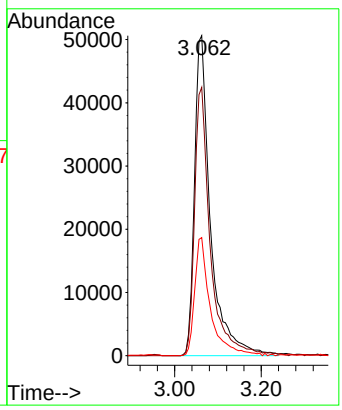


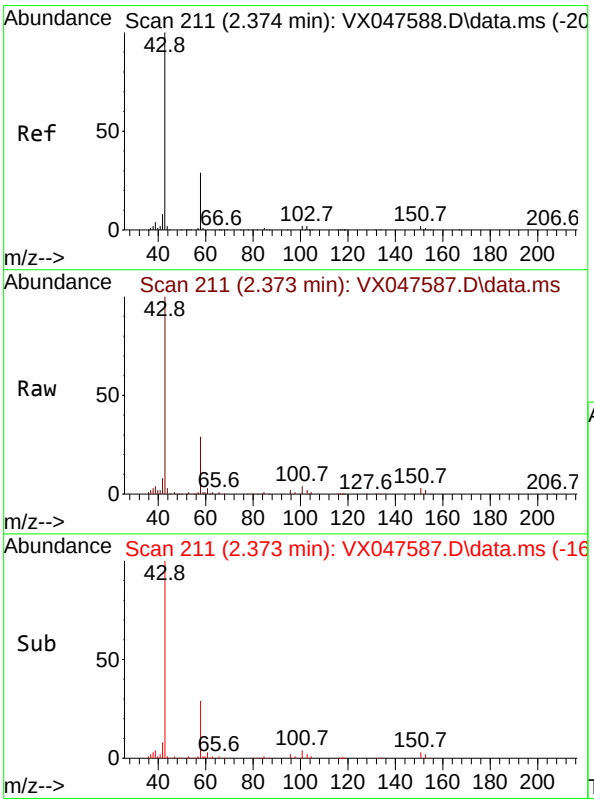
#15
Acrylonitrile
Concen: 104.554 ug/l
RT: 3.062 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 53 Resp: 130143

Ion	Ratio	Lower	Upper
53	100		
52	82.3	66.4	99.6
51	36.2	29.5	44.3

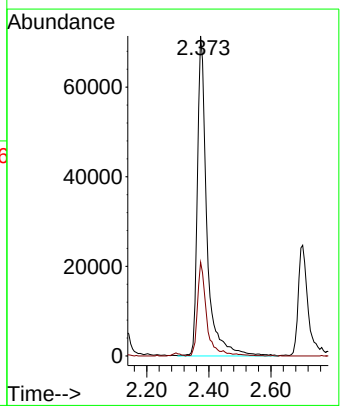


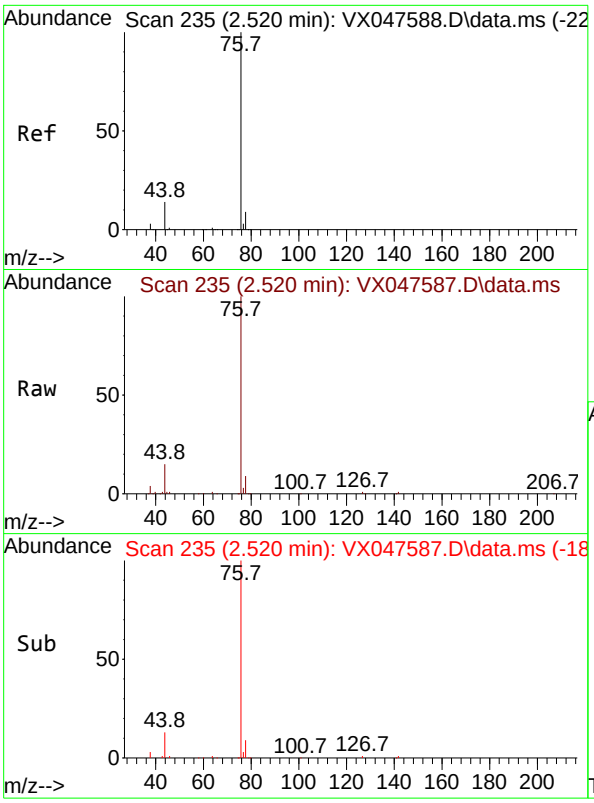


#16
Acetone
Concen: 115.507 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 43 Resp: 151538

Ion	Ratio	Lower	Upper
43	100		
58	29.3	23.4	35.0



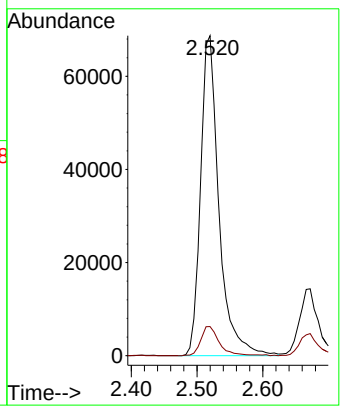


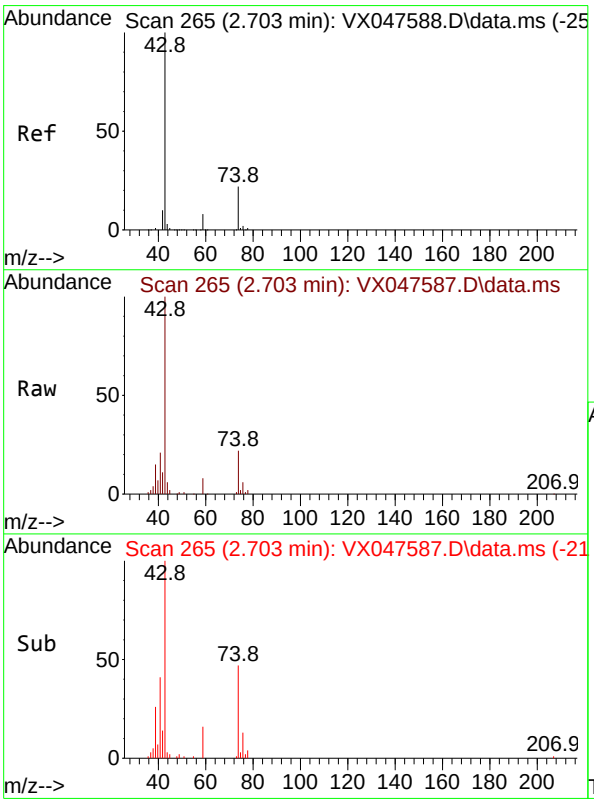
#17
Carbon Disulfide
Concen: 21.620 ug/l
RT: 2.520 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 76 Resp: 133296

Ion	Ratio	Lower	Upper
76	100		
78	9.1	6.8	10.2

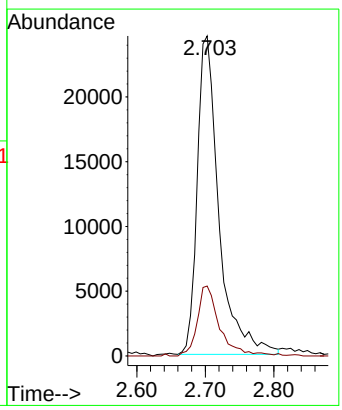


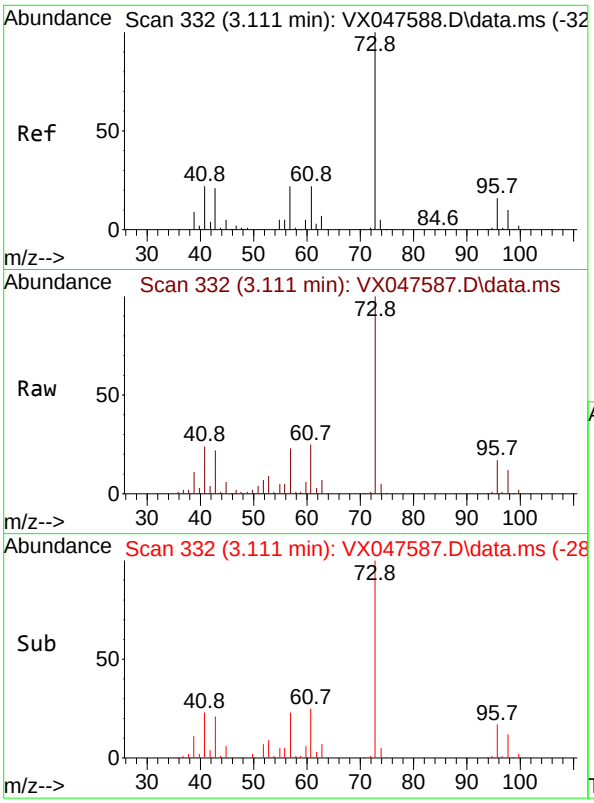


#18
Methyl Acetate
Concen: 18.536 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 43 Resp: 54120

Ion	Ratio	Lower	Upper
43	100		
74	22.7	17.4	26.2



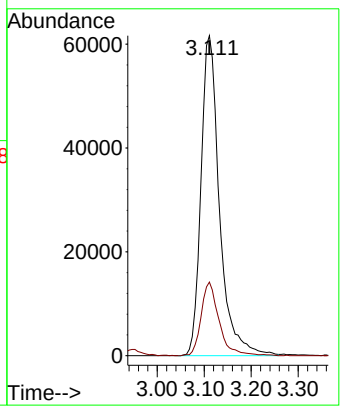


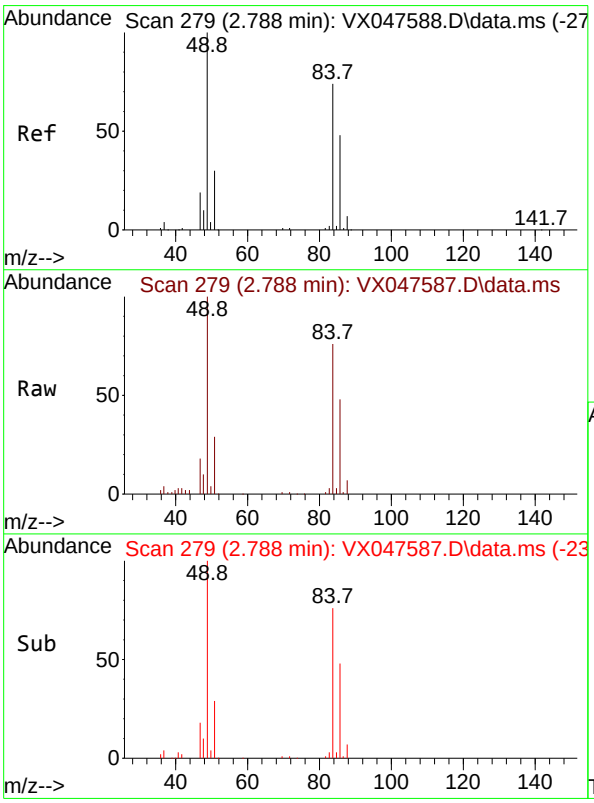
#19
Methyl tert-butyl Ether
Concen: 20.486 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 73 Resp: 168426

Ion	Ratio	Lower	Upper
73	100		
57	23.0	17.4	26.2

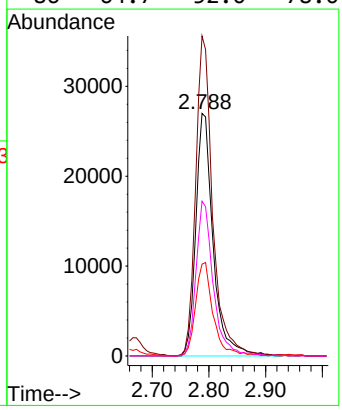


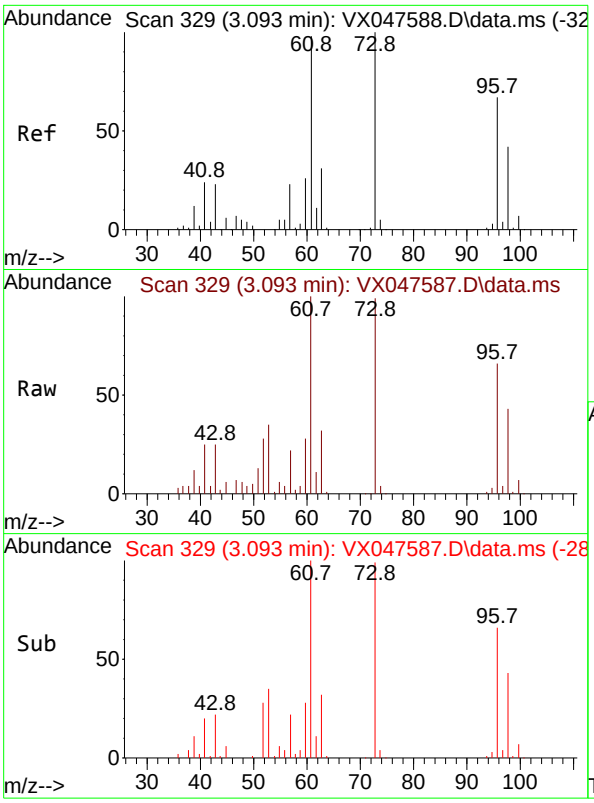


#20
Methylene Chloride
Concen: 20.581 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 84 Resp: 57153

Ion	Ratio	Lower	Upper
84	100		
49	131.7	108.6	162.8
51	37.9	32.6	48.8
86	64.7	52.0	78.0



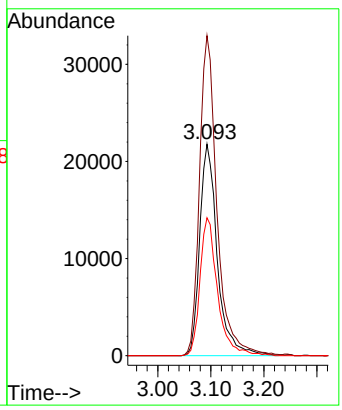


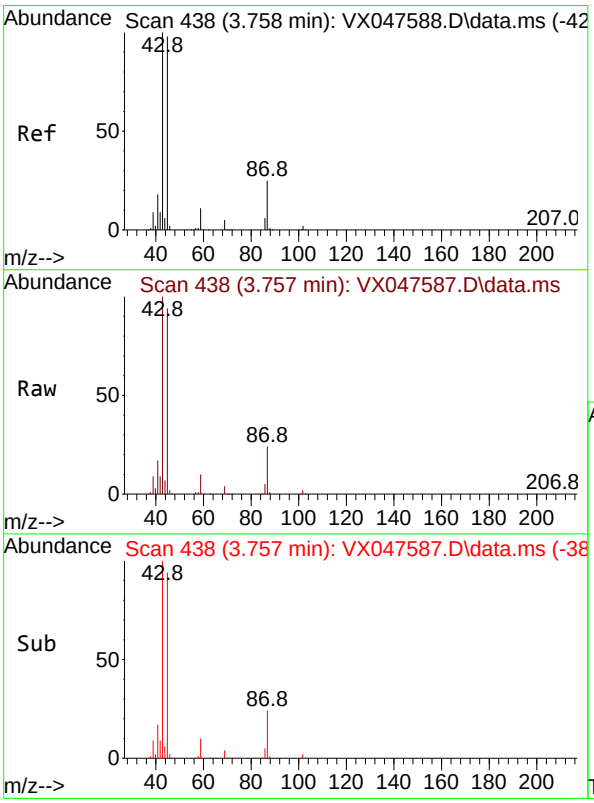
#21
trans-1,2-Dichloroethene
Concen: 20.791 ug/l
RT: 3.093 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 96 Resp: 50413

Ion	Ratio	Lower	Upper
96	100		
61	151.3	116.2	174.2
98	67.2	49.3	73.9

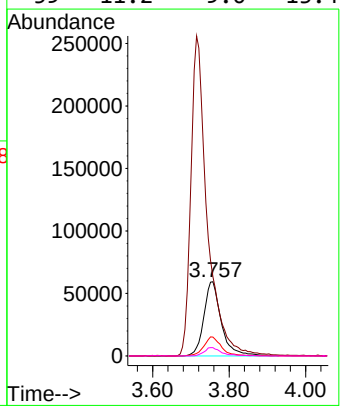


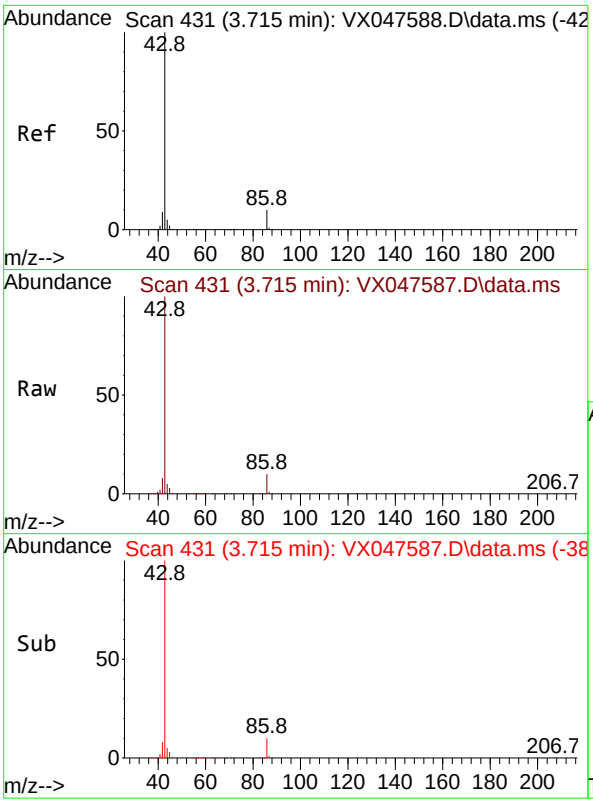


#22
Diisopropyl ether
Concen: 20.940 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 45 Resp: 188598

Ion	Ratio	Lower	Upper
45	100		
43	106.1	81.0	121.4
87	25.5	20.3	30.5
59	11.2	9.0	13.4



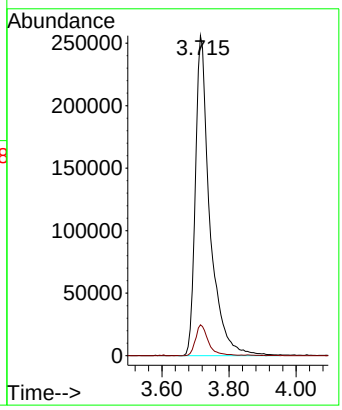


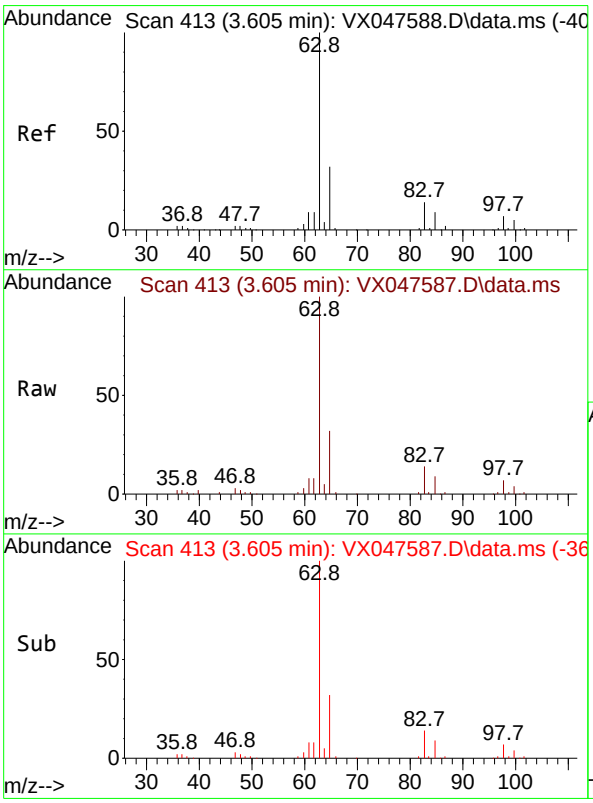
#23
Vinyl Acetate
Concen: 106.218 ug/l
RT: 3.715 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 765675

Ion	Ratio	Lower	Upper
43	100		
86	9.6	7.8	11.8

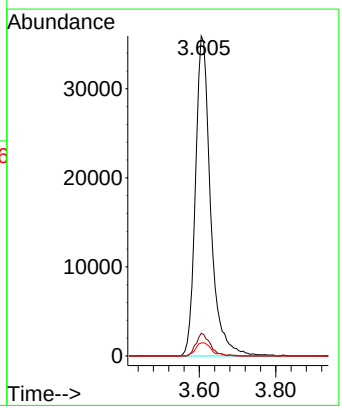


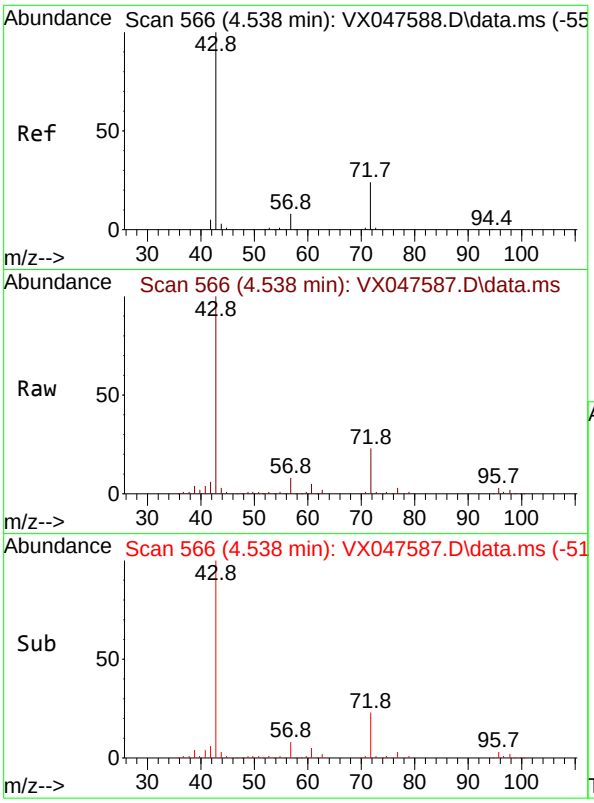


#24
1,1-Dichloroethane
Concen: 20.578 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 63 Resp: 98509

Ion	Ratio	Lower	Upper
63	100		
98	7.1	3.8	11.2
100	4.1	2.3	6.9



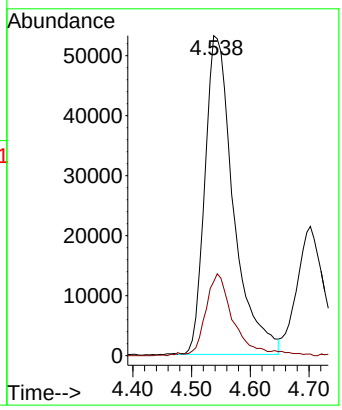


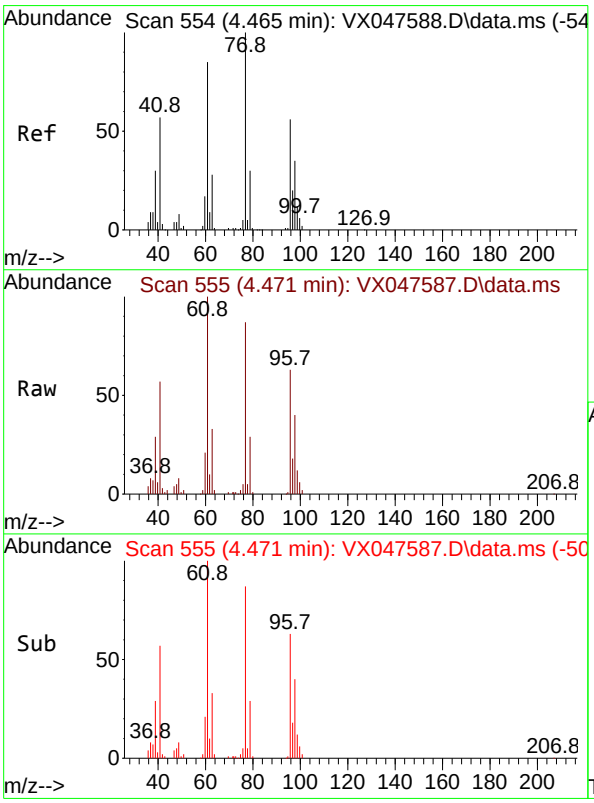
#25
2-Butanone
Concen: 109.679 ug/l
RT: 4.538 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 179487

Ion	Ratio	Lower	Upper
43	100		
72	22.3	20.1	30.1

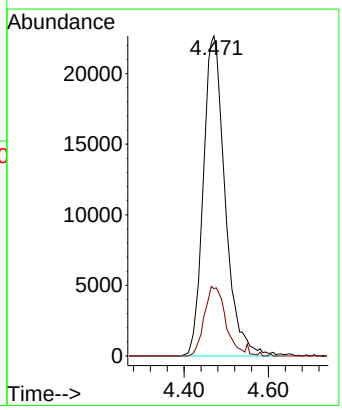


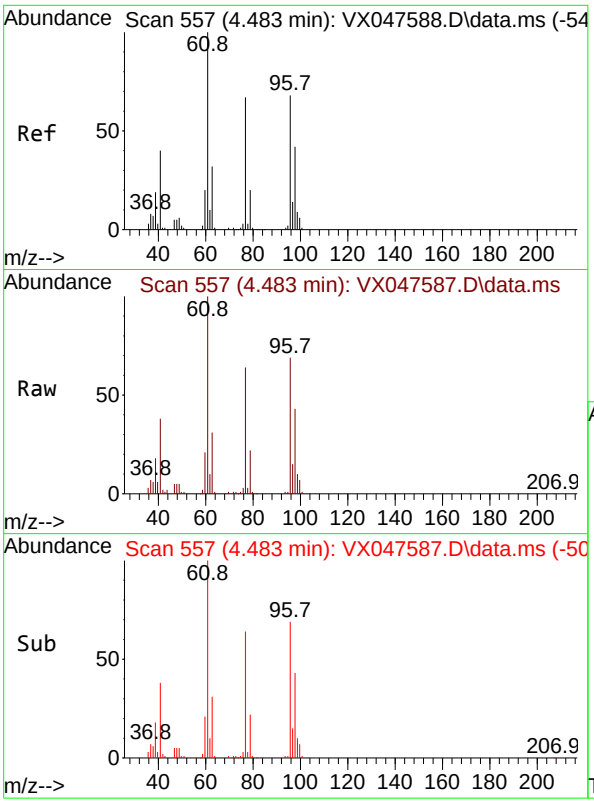


#26
2,2-Dichloropropane
Concen: 20.459 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 77 Resp: 81413

Ion	Ratio	Lower	Upper
77	100		
97	21.2	10.9	32.7



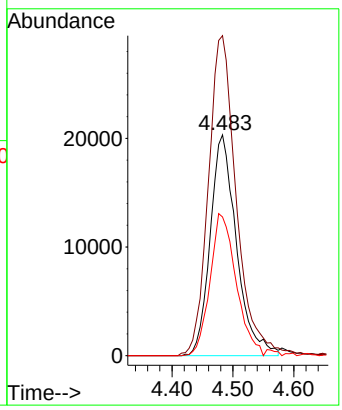


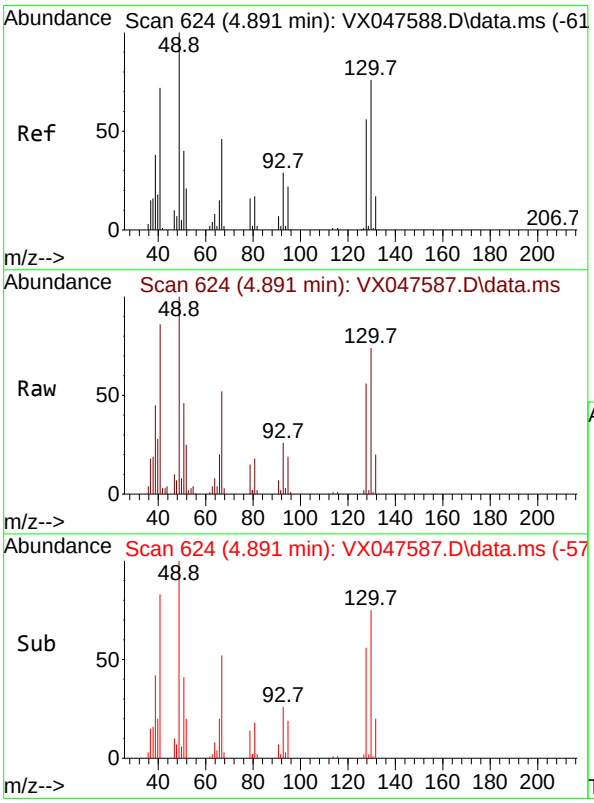
#27
cis-1,2-Dichloroethene
Concen: 20.497 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 96 Resp: 60865

Ion	Ratio	Lower	Upper
96	100		
61	154.8	0.0	303.2
98	63.7	0.0	127.8

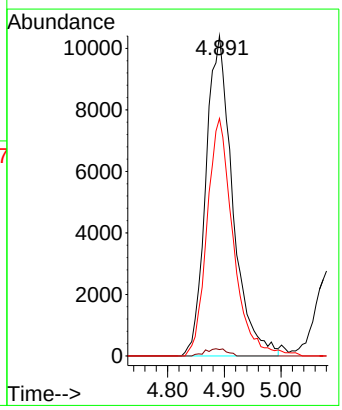


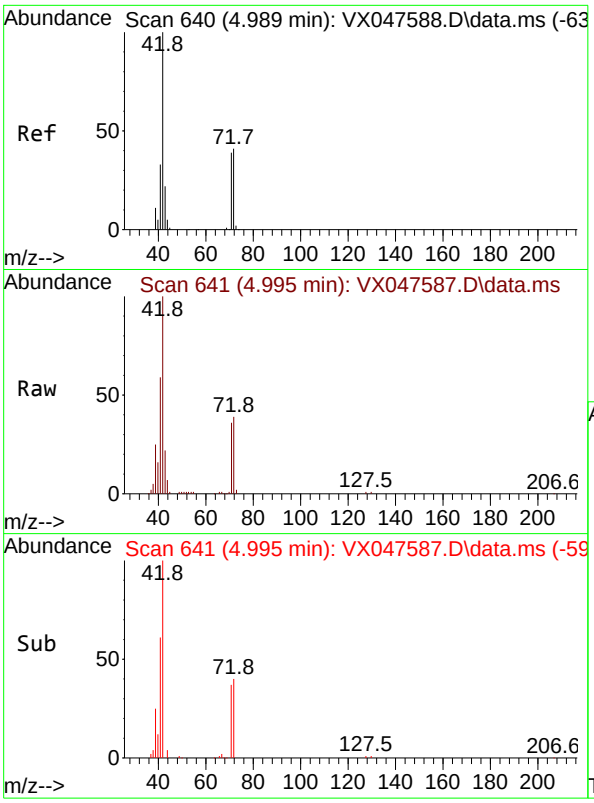


#28
Bromochloromethane
Concen: 16.309 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 49 Resp: 34085

Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.2
130	72.7	57.8	86.8



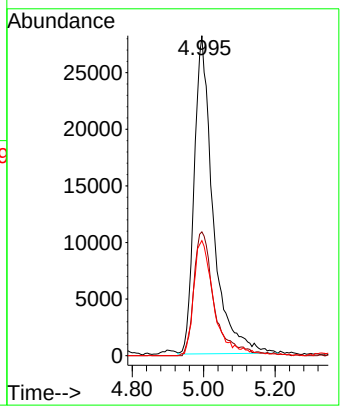


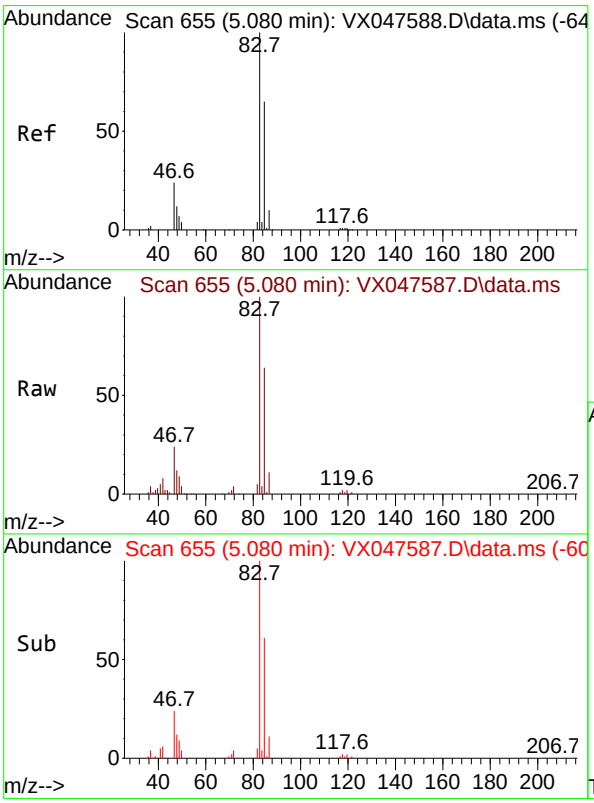
#29
Tetrahydrofuran
Concen: 104.560 ug/l
RT: 4.995 min Scan# 64
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 42 Resp: 102935

Ion	Ratio	Lower	Upper
42	100		
72	41.5	34.2	51.2
71	37.8	31.9	47.9

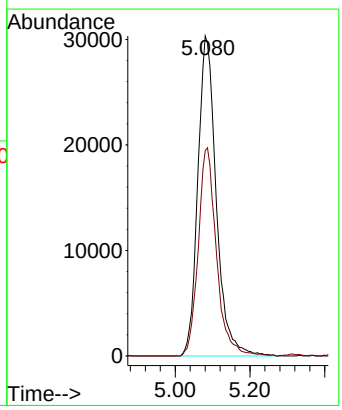


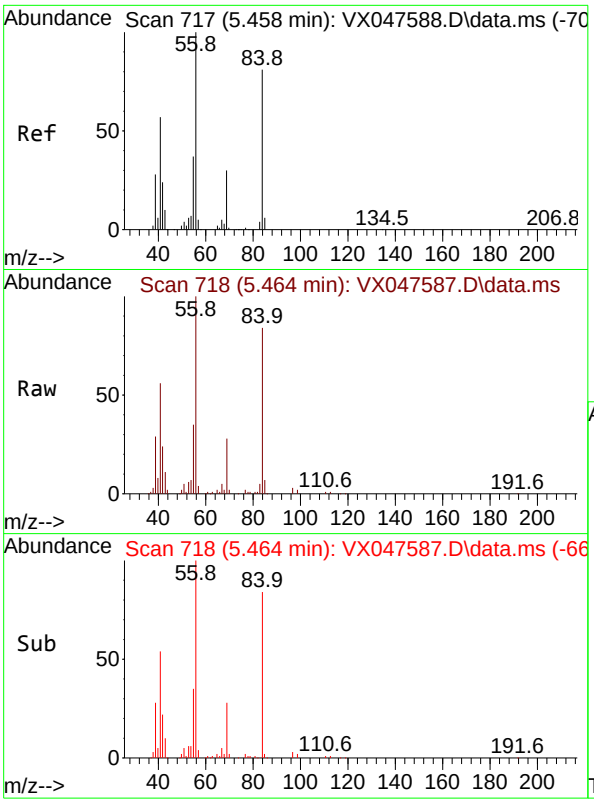


#30
Chloroform
Concen: 21.413 ug/l
RT: 5.080 min Scan# 655
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 83 Resp: 103586

Ion	Ratio	Lower	Upper
83	100		
85	64.2	51.8	77.6



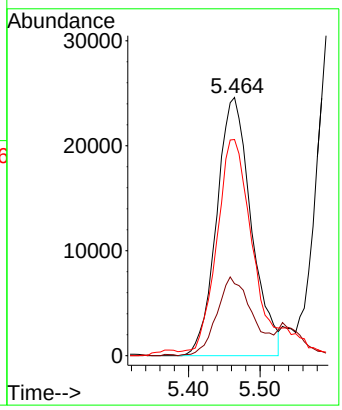


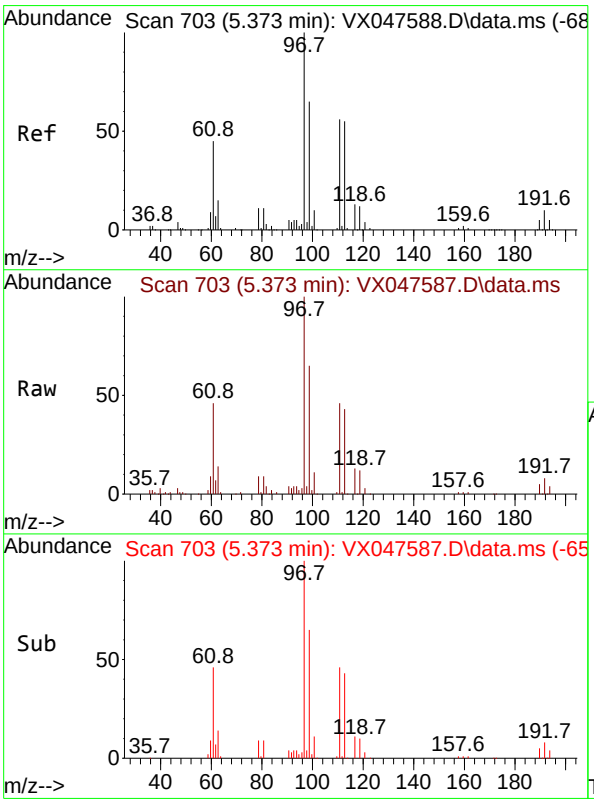
#31
Cyclohexane
Concen: 20.759 ug/l
RT: 5.464 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 56 Resp: 82770

Ion	Ratio	Lower	Upper
56	100		
69	27.9	23.8	35.8
84	82.2	64.6	97.0

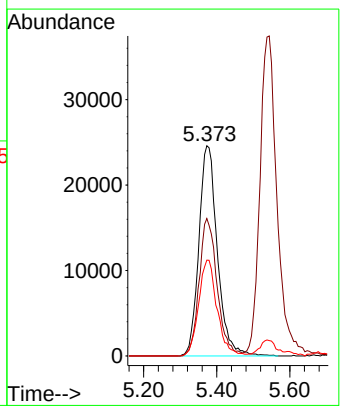


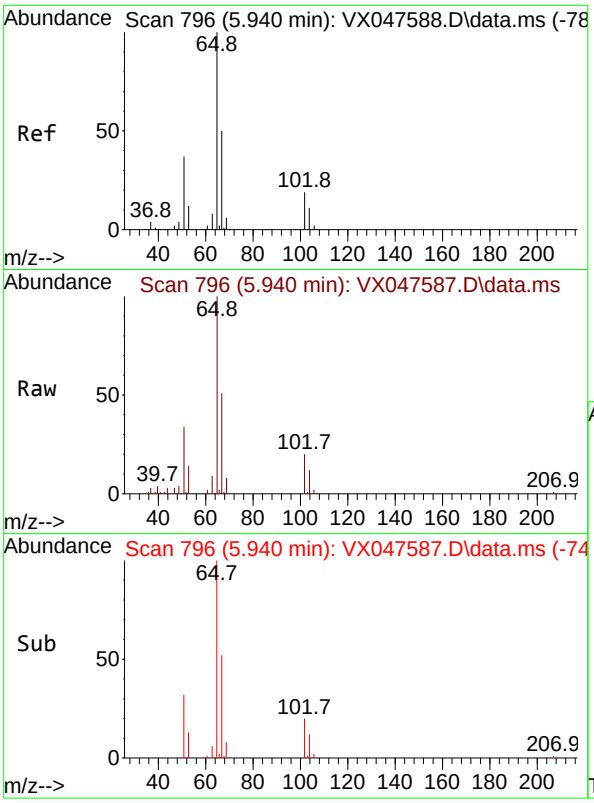


#32
1,1,1-Trichloroethane
Concen: 21.081 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 97 Resp: 86500

Ion	Ratio	Lower	Upper
97	100		
99	63.5	50.6	76.0
61	45.5	35.8	53.8



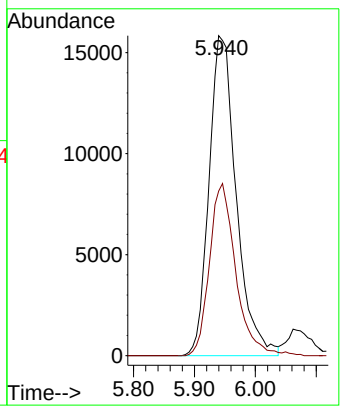


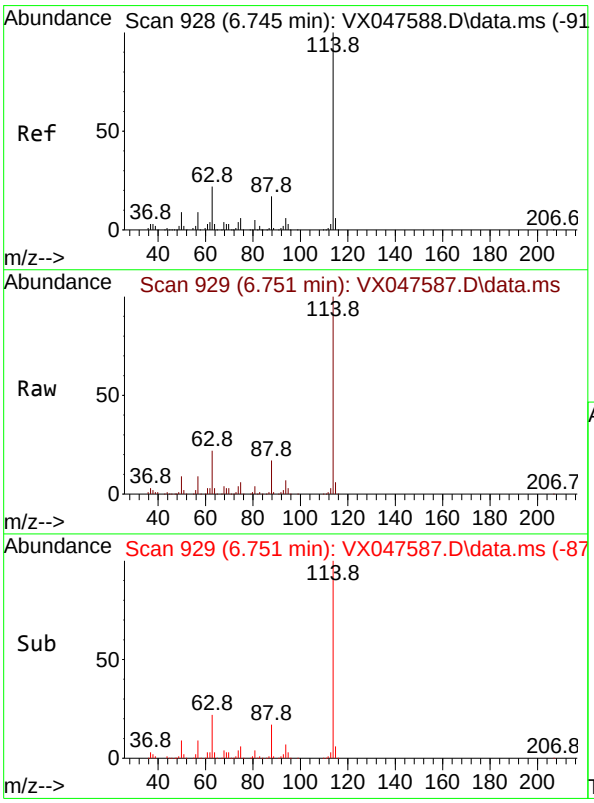
#33
1,2-Dichloroethane-d4
Concen: 16.264 ug/l
RT: 5.940 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 65 Resp: 49073

Ion	Ratio	Lower	Upper
65	100		
67	52.2	0.0	103.0

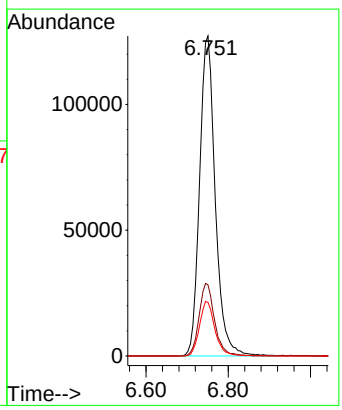


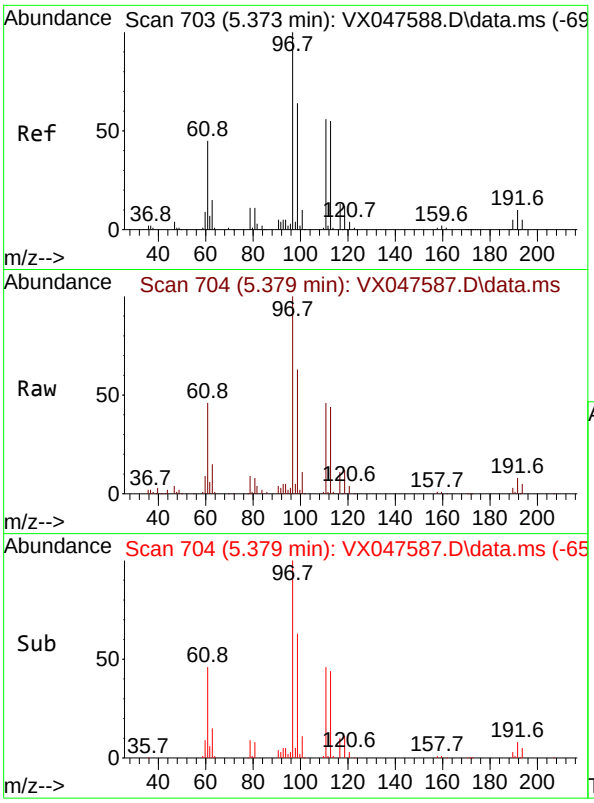


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 929
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:114 Resp: 336287

Ion	Ratio	Lower	Upper
114	100		
63	22.3	0.0	44.0
88	16.8	0.0	34.2



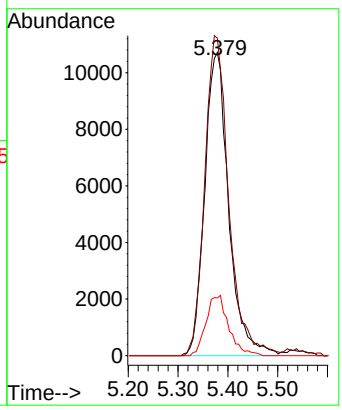


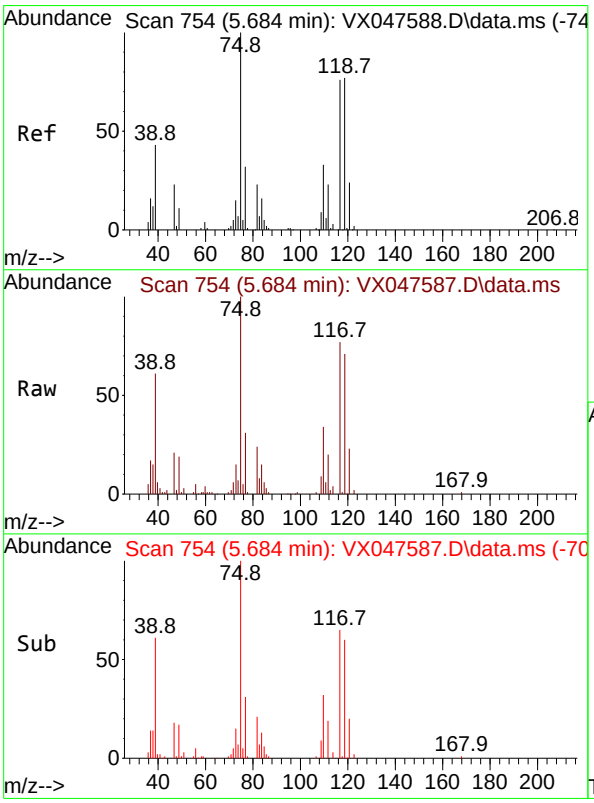
#35
Dibromofluoromethane
Concen: 15.868 ug/l
RT: 5.379 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:113 Resp: 35788

Ion	Ratio	Lower	Upper
113	100		
111	105.7	80.9	121.3
192	18.8	14.2	21.4

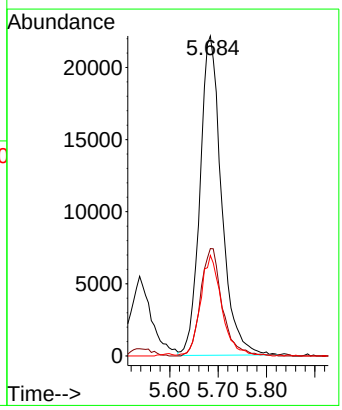


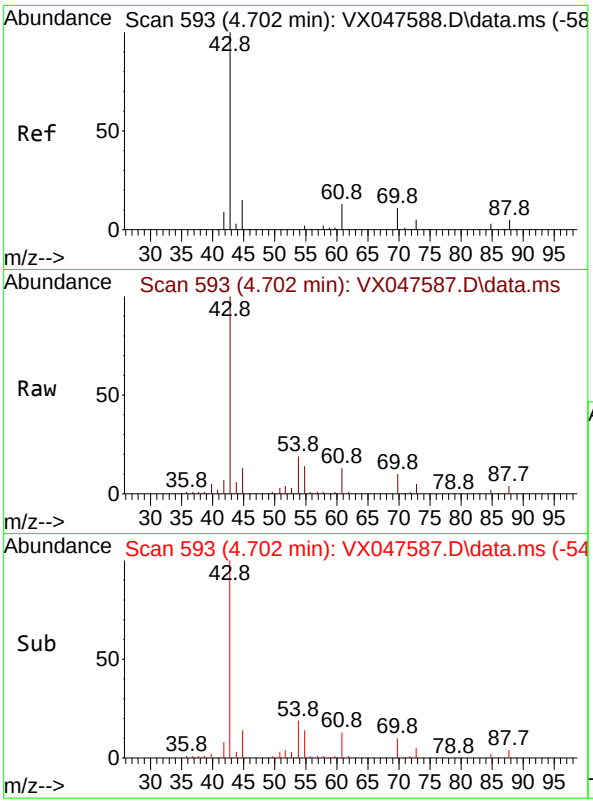


#36
1,1-Dichloropropene
Concen: 20.754 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 75 Resp: 68395

Ion	Ratio	Lower	Upper
75	100		
110	33.9	16.7	50.1
77	31.2	24.3	36.5



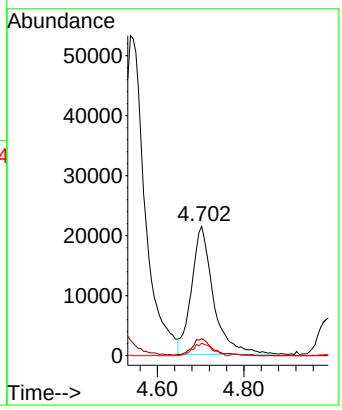


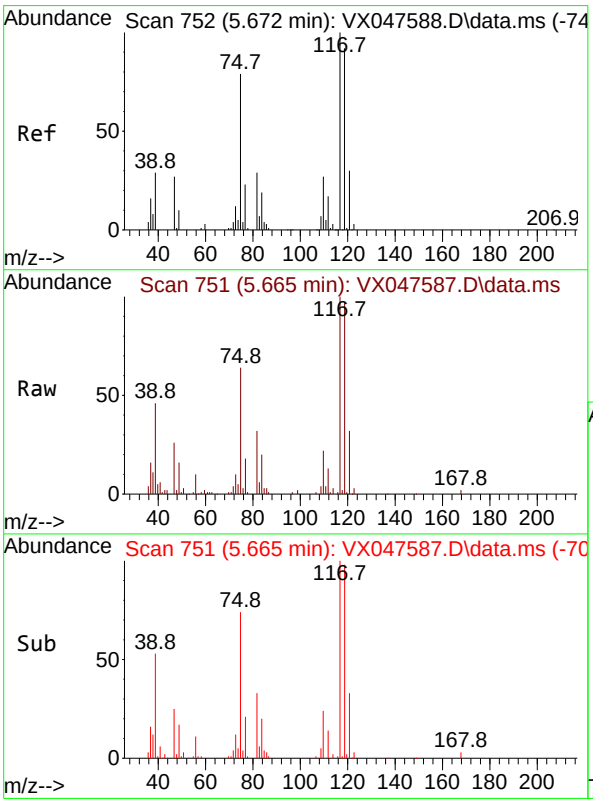
#37
Ethyl Acetate
Concen: 21.113 ug/l
RT: 4.702 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 74499

Ion	Ratio	Lower	Upper
43	100		
61	10.8	9.8	14.8
70	8.5	7.9	11.9

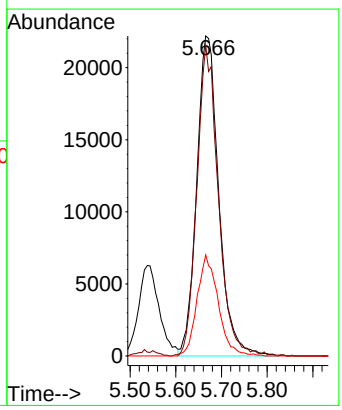


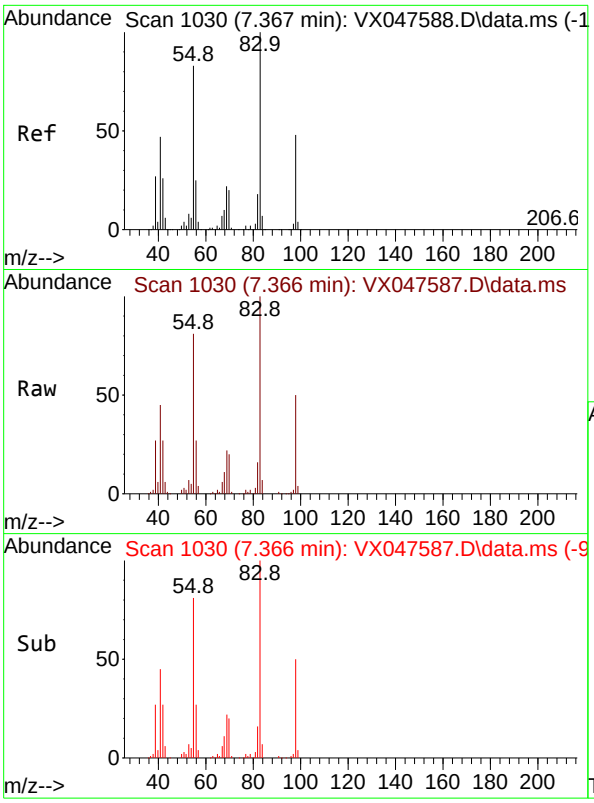


#38
Carbon Tetrachloride
Concen: 20.844 ug/l
RT: 5.665 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:117 Resp: 74636

Ion	Ratio	Lower	Upper
117	100		
119	96.9	73.4	110.2
121	31.6	23.8	35.6



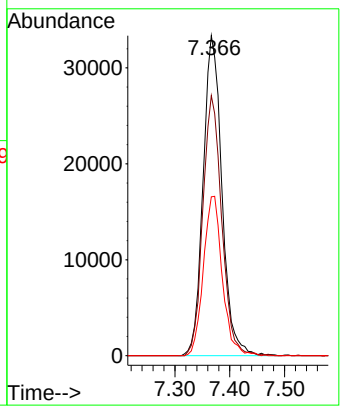


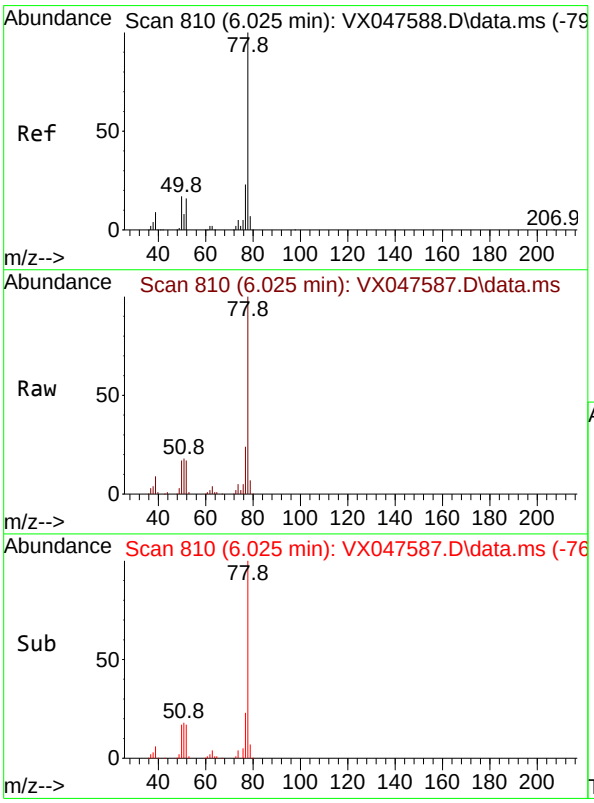
#39
Methylcyclohexane
Concen: 21.251 ug/l
RT: 7.366 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 83 Resp: 79499

Ion	Ratio	Lower	Upper
83	100		
55	81.2	66.4	99.6
98	49.6	38.1	57.1

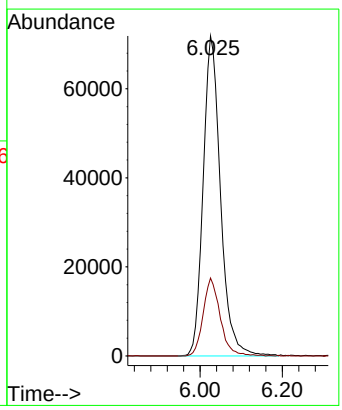


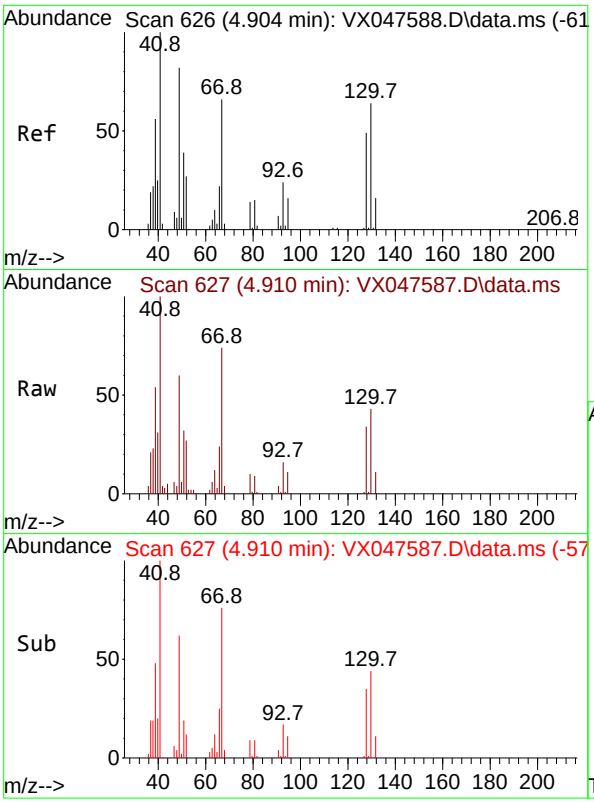


#40
Benzene
Concen: 21.051 ug/l
RT: 6.025 min Scan# 810
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 78 Resp: 210711

Ion	Ratio	Lower	Upper
78	100		
77	24.4	18.8	28.2



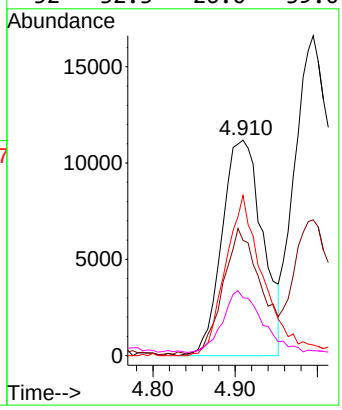


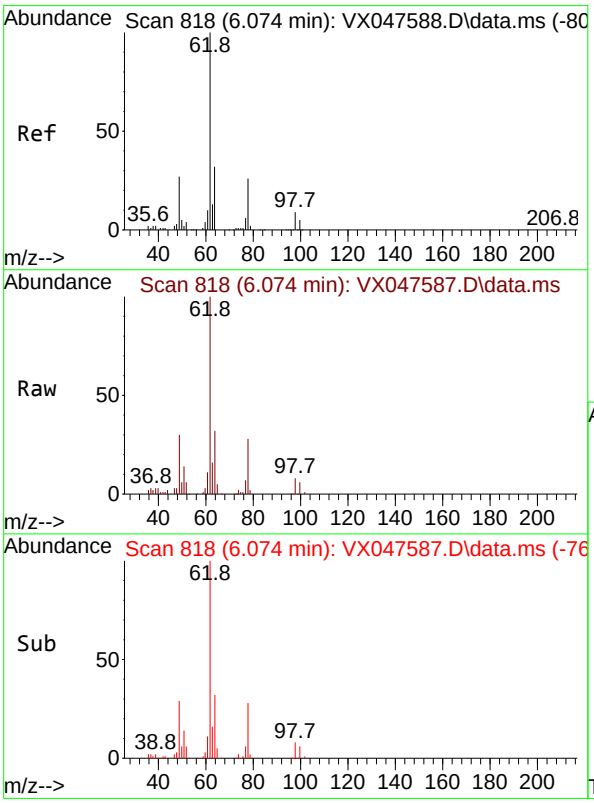
#41
Methacrylonitrile
Concen: 21.148 ug/l
RT: 4.910 min Scan# 6
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 41 Resp: 38525

Ion	Ratio	Lower	Upper
41	100		
39	53.8	43.3	64.9
67	72.5	58.6	87.8
52	32.3	26.0	39.0

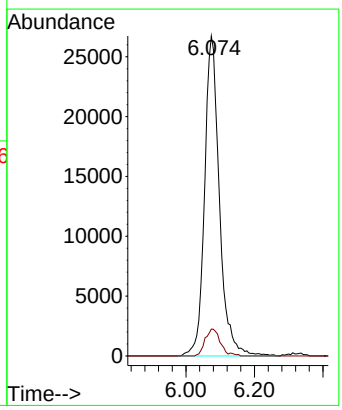


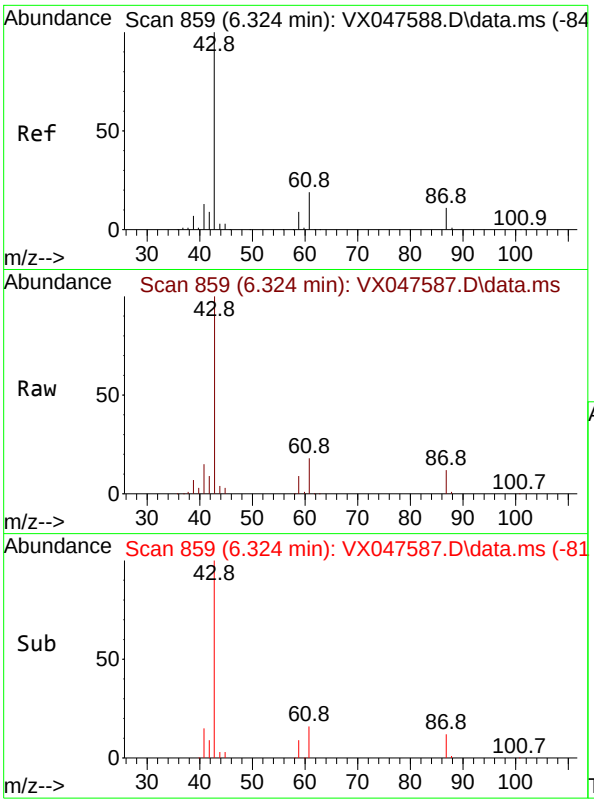


#42
1,2-Dichloroethane
Concen: 21.175 ug/l
RT: 6.074 min Scan# 818
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 62 Resp: 80646

Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	17.0



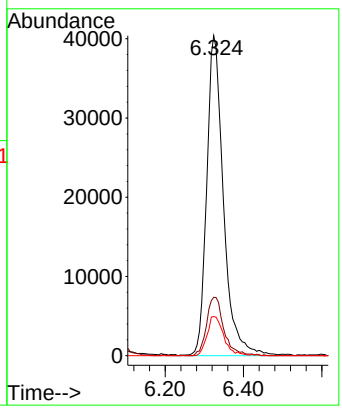


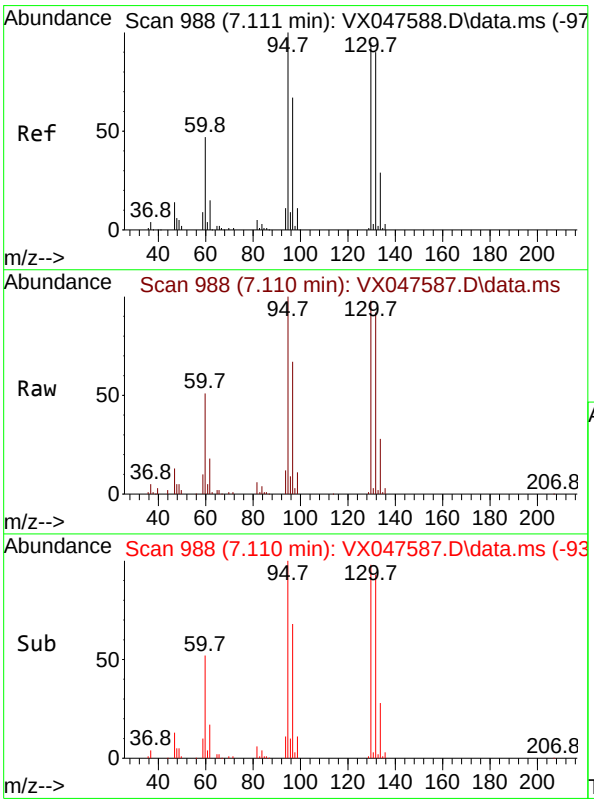
#43
Isopropyl Acetate
Concen: 20.670 ug/l
RT: 6.324 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 119623

Ion	Ratio	Lower	Upper
43	100		
61	18.9	15.2	22.8
87	12.1	9.6	14.4

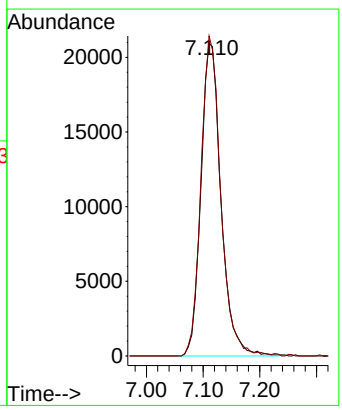


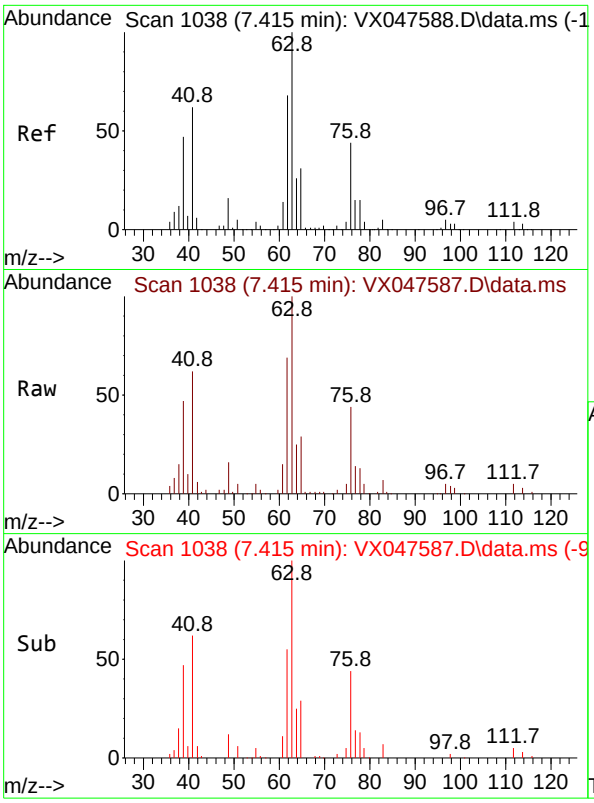


#44
Trichloroethene
Concen: 21.228 ug/l
RT: 7.110 min Scan# 988
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:130 Resp: 51369

Ion	Ratio	Lower	Upper
130	100		
95	102.3	0.0	210.8



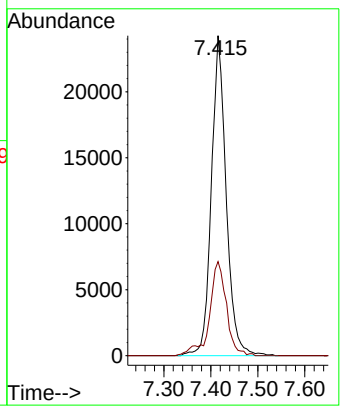


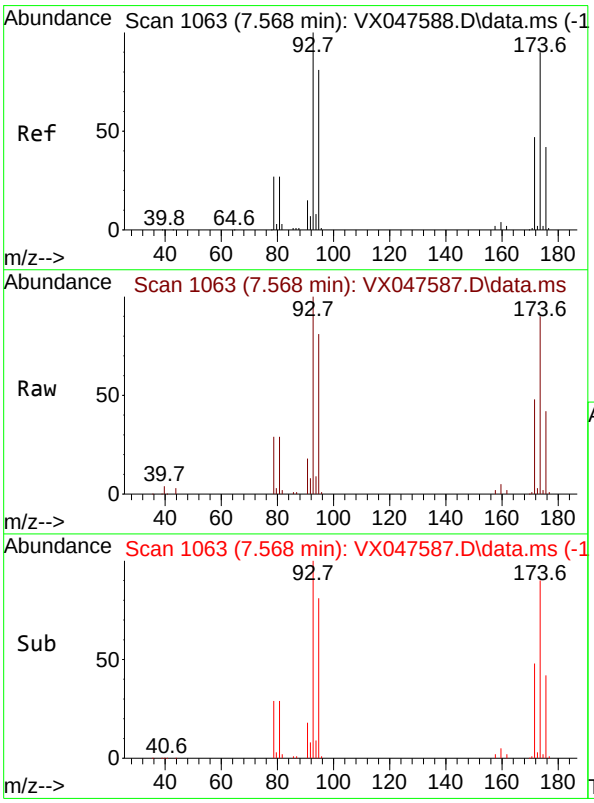
#45
1,2-Dichloropropane
Concen: 20.697 ug/l
RT: 7.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 63 Resp: 53046

Ion	Ratio	Lower	Upper
63	100		
65	29.4	24.7	37.1

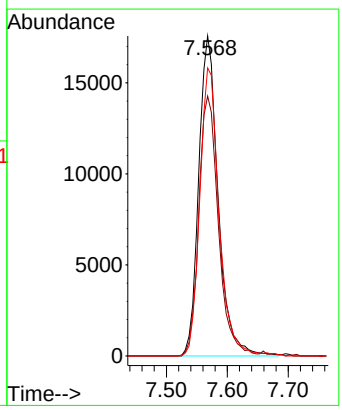


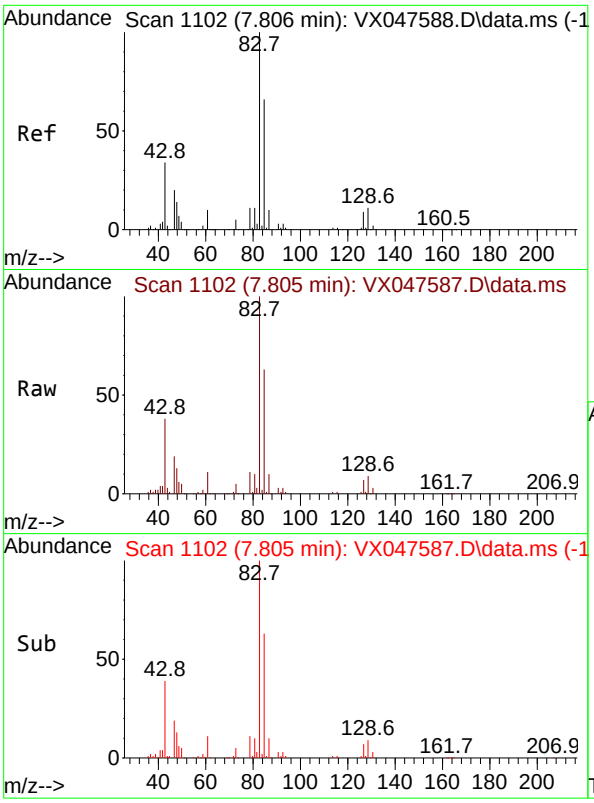


#46
Dibromomethane
Concen: 20.862 ug/l
RT: 7.568 min Scan# 1063
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 93 Resp: 38910

Ion	Ratio	Lower	Upper
93	100		
95	82.0	65.0	97.6
174	89.2	71.6	107.4



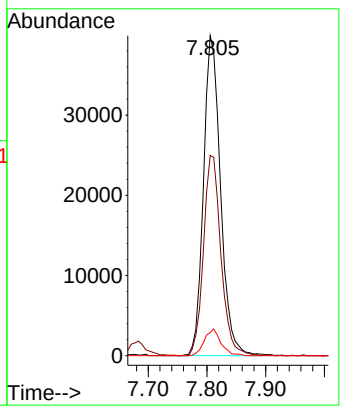


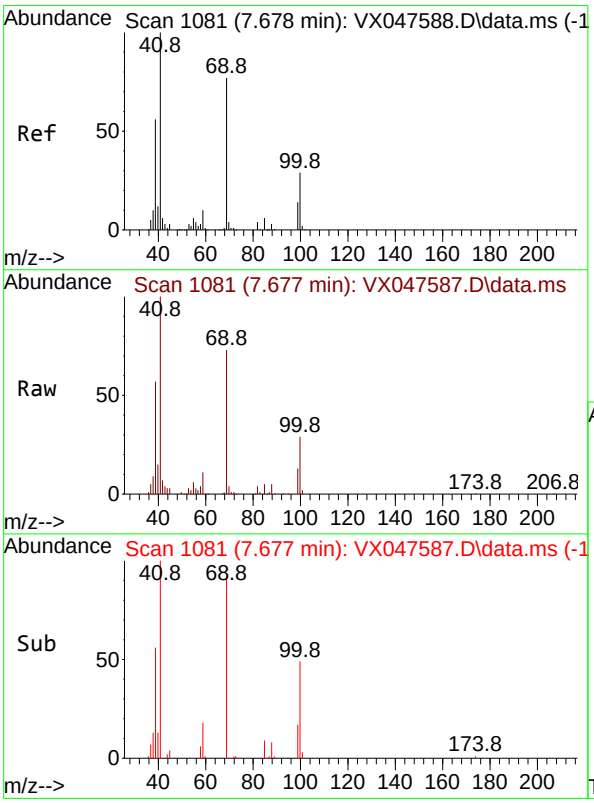
#47
Bromodichloromethane
Concen: 21.002 ug/l
RT: 7.805 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 83 Resp: 80831

Ion	Ratio	Lower	Upper
83	100		
85	63.5	52.5	78.7
127	8.2	6.9	10.3

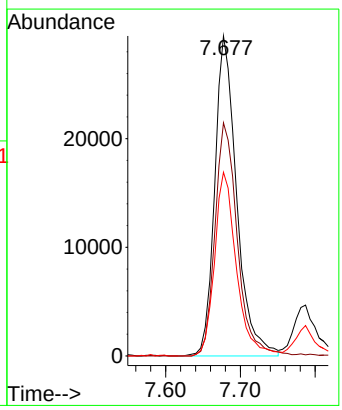


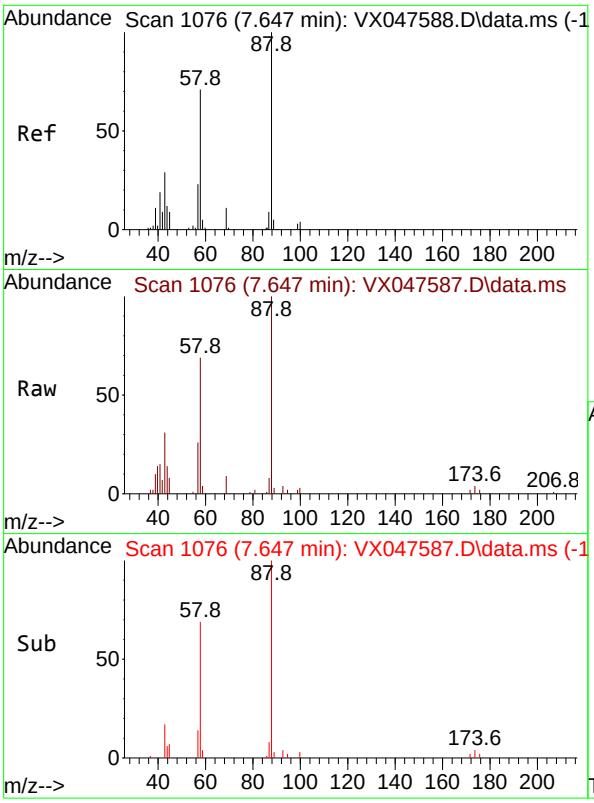


#48
Methyl methacrylate
Concen: 20.877 ug/l
RT: 7.677 min Scan# 1081
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 41 Resp: 60182

Ion	Ratio	Lower	Upper
41	100		
69	74.2	61.4	92.2
39	57.2	45.8	68.6



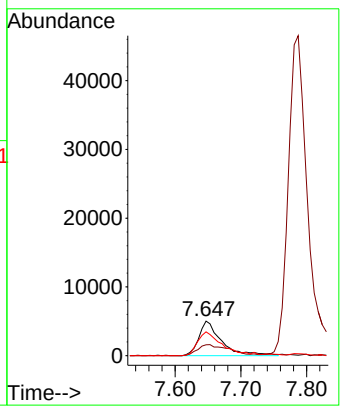


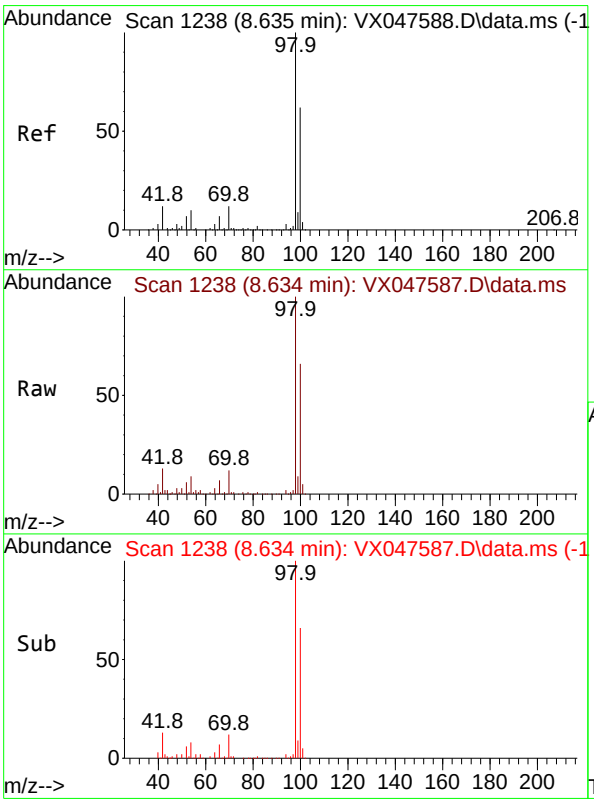
#49
1,4-Dioxane
Concen: 413.530 ug/l
RT: 7.647 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 88 Resp: 12047

Ion	Ratio	Lower	Upper
88	100		
43	44.7	30.2	45.2
58	75.8	59.5	89.3

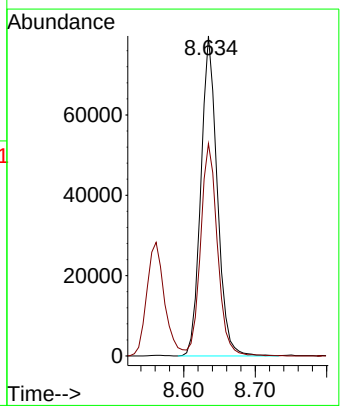


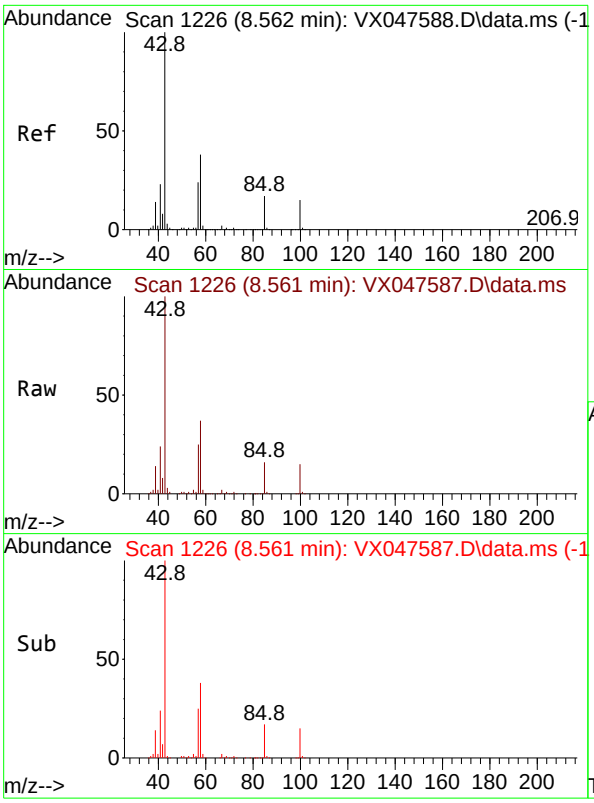


#50
Toluene-d8
Concen: 16.258 ug/l
RT: 8.634 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 98 Resp: 126875

Ion	Ratio	Lower	Upper
98	100		
100	67.9	53.0	79.4



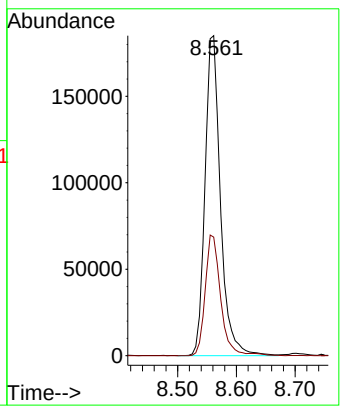


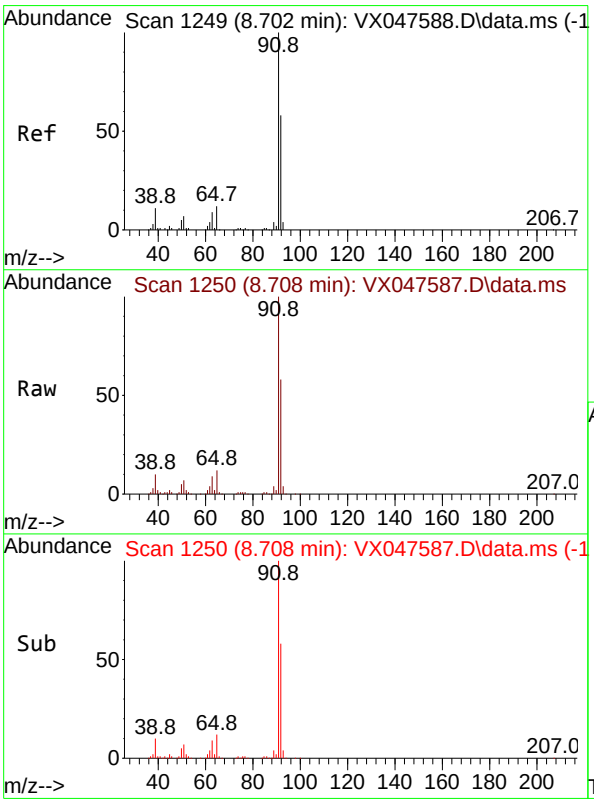
#51
4-Methyl-2-Pentanone
Concen: 105.456 ug/l
RT: 8.561 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 338370

Ion	Ratio	Lower	Upper
43	100		
58	37.8	30.3	45.5

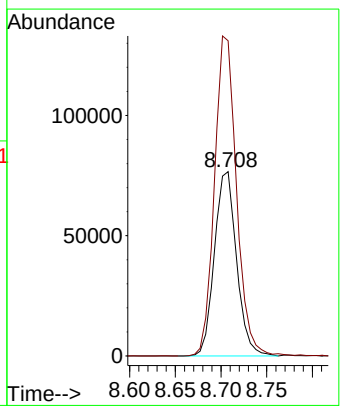


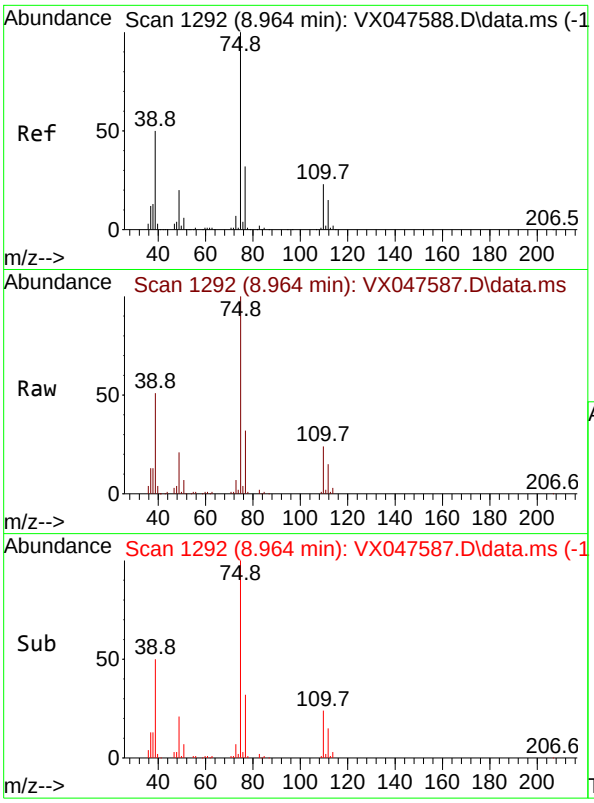


#52
Toluene
Concen: 20.950 ug/l
RT: 8.708 min Scan# 1250
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 92 Resp: 129193

Ion	Ratio	Lower	Upper
92	100		
91	173.2	137.1	205.7



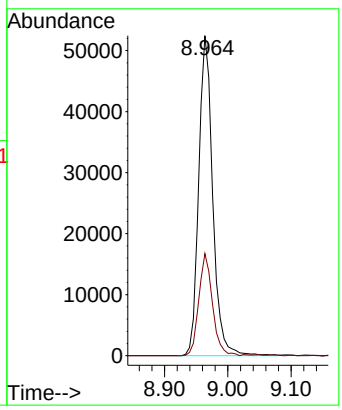


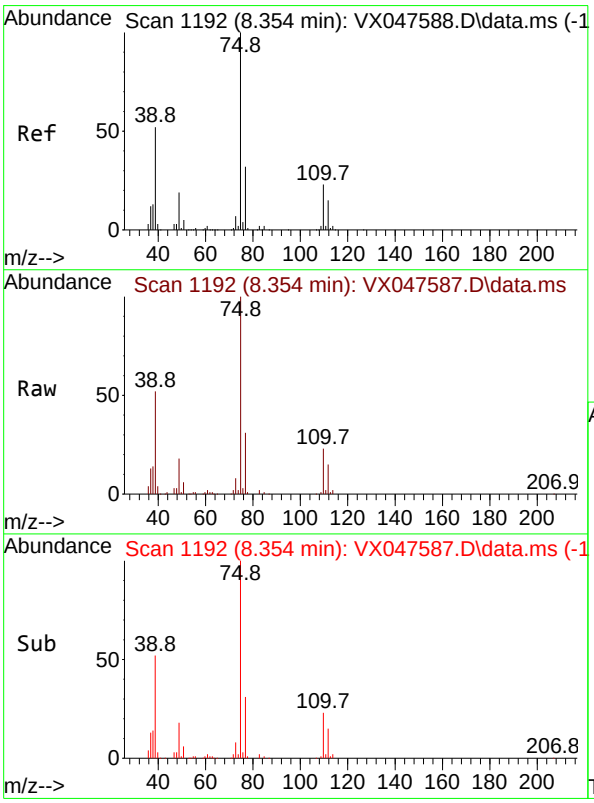
#53
t-1,3-Dichloropropene
Concen: 20.625 ug/l
RT: 8.964 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 75 Resp: 80972

Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.4	38.2

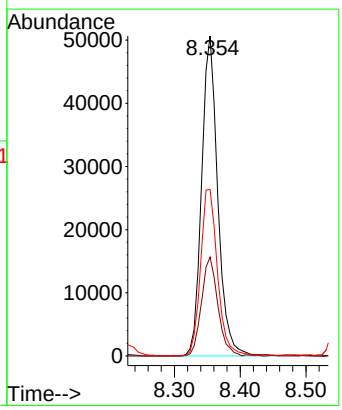


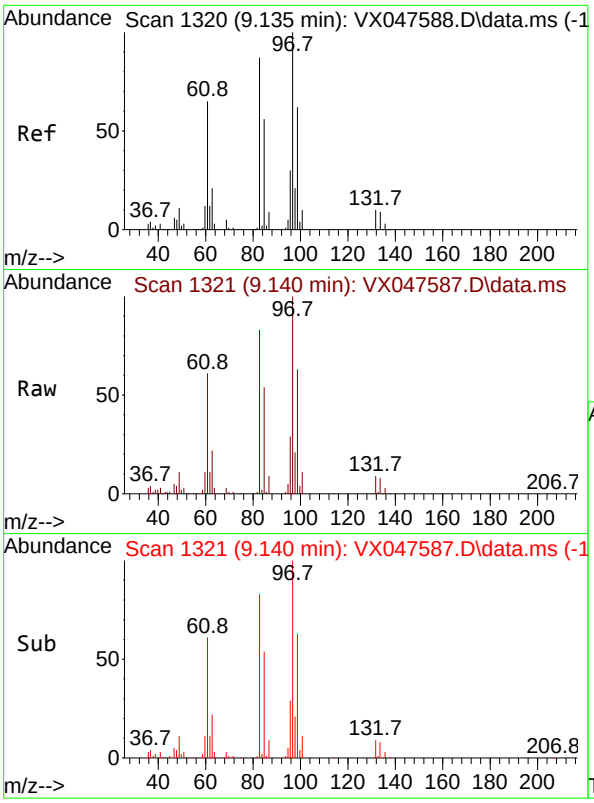


#54
cis-1,3-Dichloropropene
Concen: 20.650 ug/l
RT: 8.354 min Scan# 1192
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 75 Resp: 86648

Ion	Ratio	Lower	Upper
75	100		
77	30.9	25.8	38.6
39	52.0	41.4	62.2



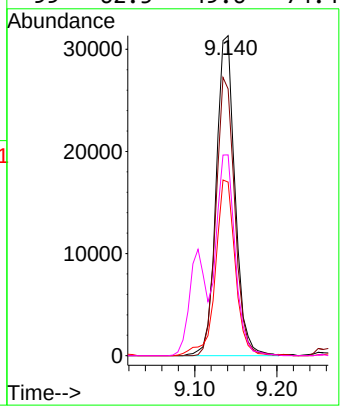


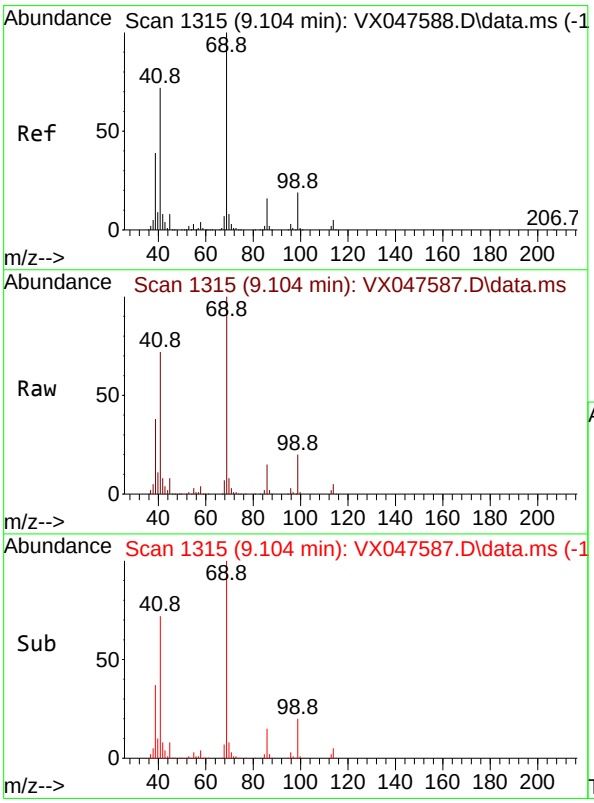
#55
1,1,2-Trichloroethane
Concen: 20.967 ug/l
RT: 9.140 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 97 Resp: 49857

Ion	Ratio	Lower	Upper
97	100		
83	83.3	69.6	104.4
85	55.2	45.0	67.6
99	62.5	49.6	74.4

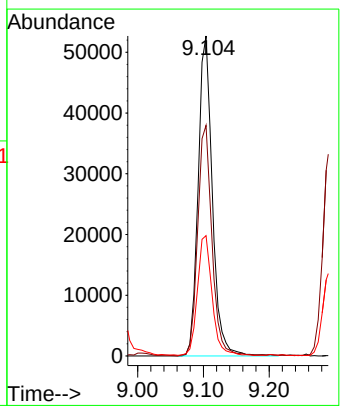


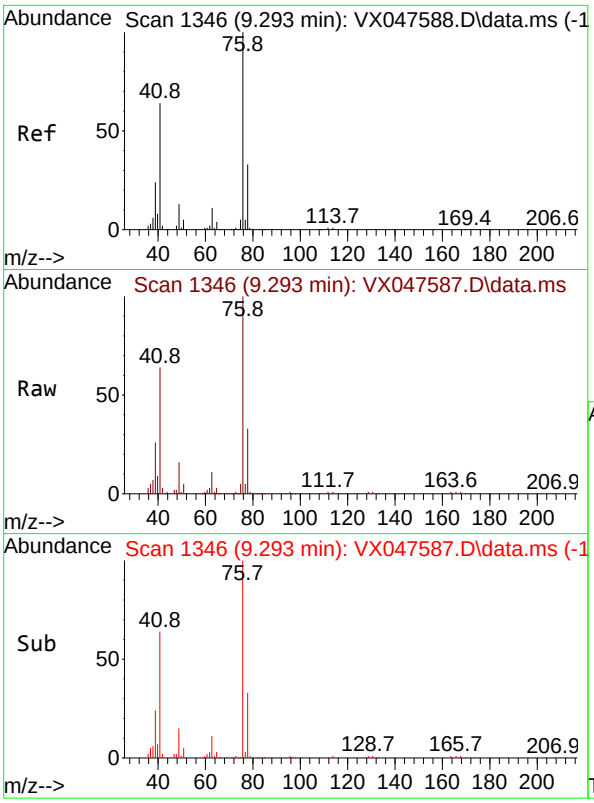


#56
Ethyl methacrylate
Concen: 21.158 ug/l
RT: 9.104 min Scan# 1315
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 69 Resp: 79011

Ion	Ratio	Lower	Upper
69	100		
41	72.6	58.6	87.8
39	38.6	31.5	47.3



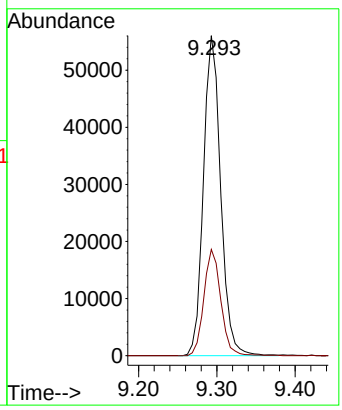


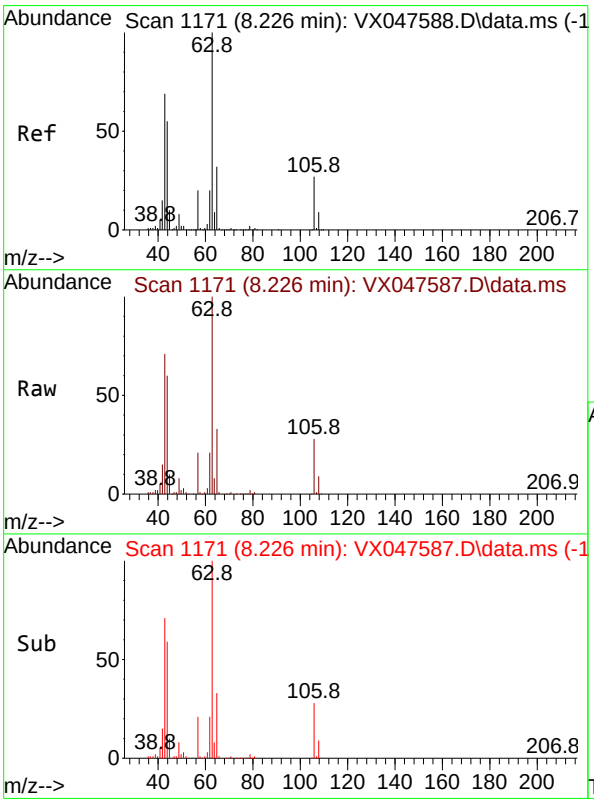
#57
1,3-Dichloropropane
Concen: 20.934 ug/l
RT: 9.293 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 76 Resp: 85511

Ion	Ratio	Lower	Upper
76	100		
78	32.6	26.2	39.4

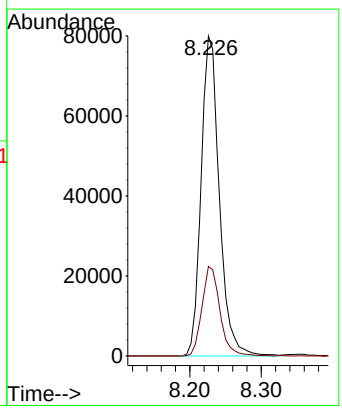


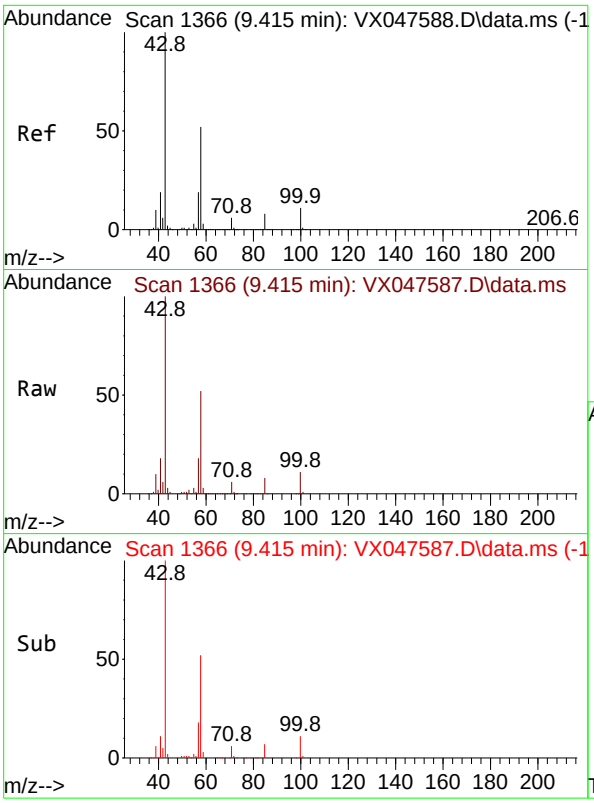


#58
2-Chloroethyl Vinyl ether
Concen: 86.617 ug/l
RT: 8.226 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 63 Resp: 141395

Ion	Ratio	Lower	Upper
63	100		
106	27.5	21.9	32.9



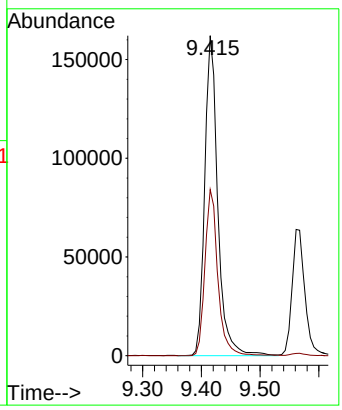


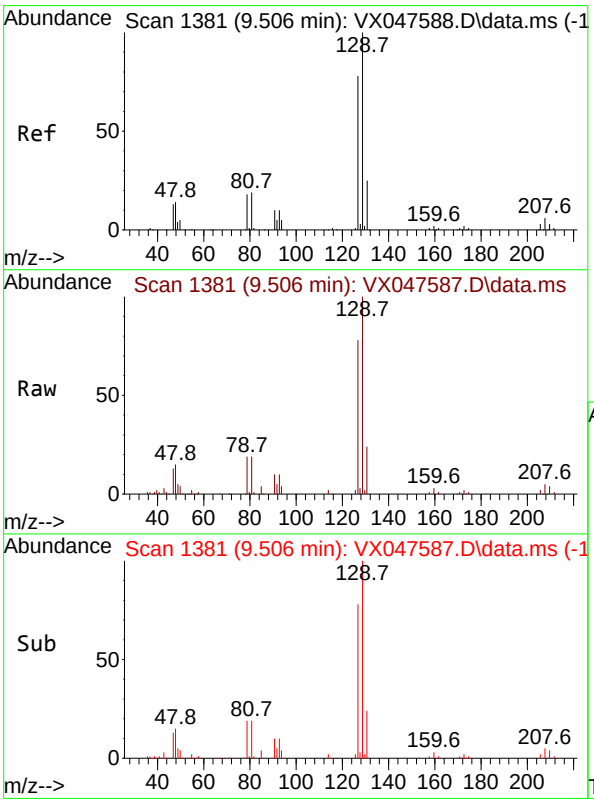
#59
2-Hexanone
Concen: 108.488 ug/l
RT: 9.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 250007

Ion	Ratio	Lower	Upper
43	100		
58	51.4	26.1	78.2

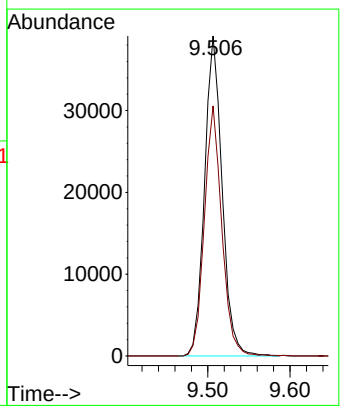


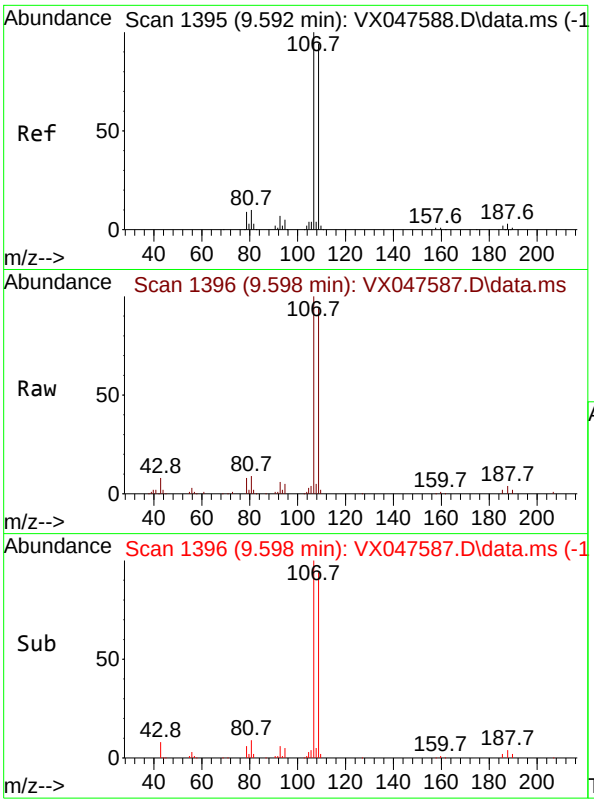


#60
Dibromochloromethane
Concen: 21.167 ug/l
RT: 9.506 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:129 Resp: 57994

Ion	Ratio	Lower	Upper
129	100		
127	77.7	38.4	115.2



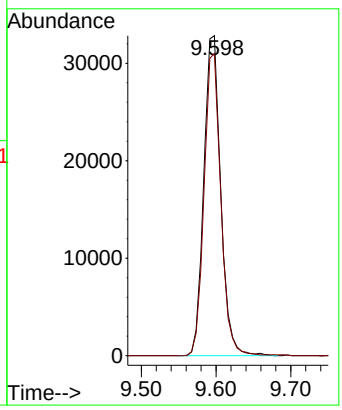


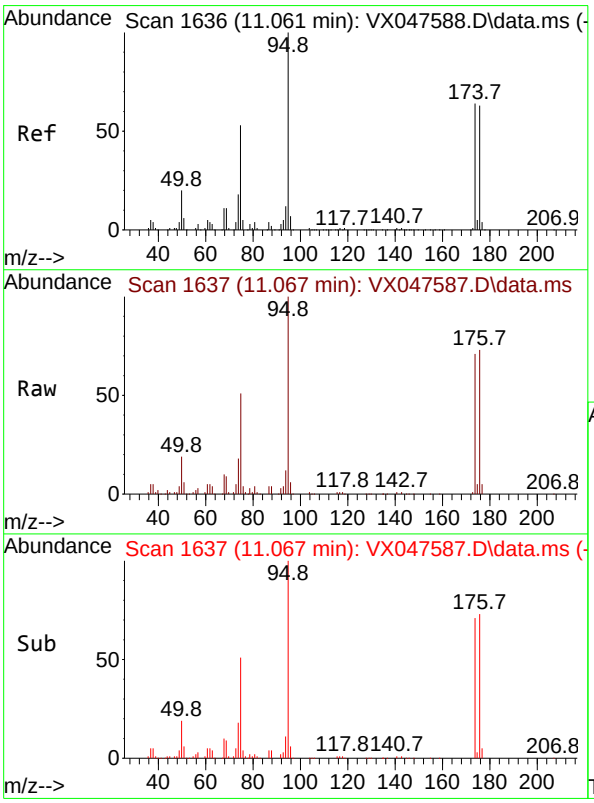
#61
1,2-Dibromoethane
Concen: 21.310 ug/l
RT: 9.598 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:107 Resp: 51614

Ion	Ratio	Lower	Upper
107	100		
109	93.4	75.3	112.9

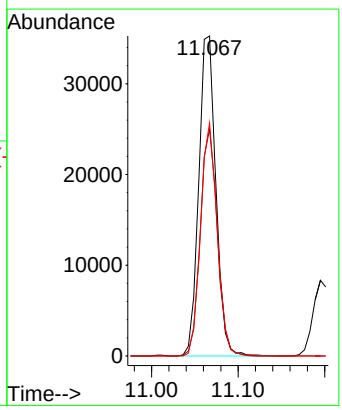


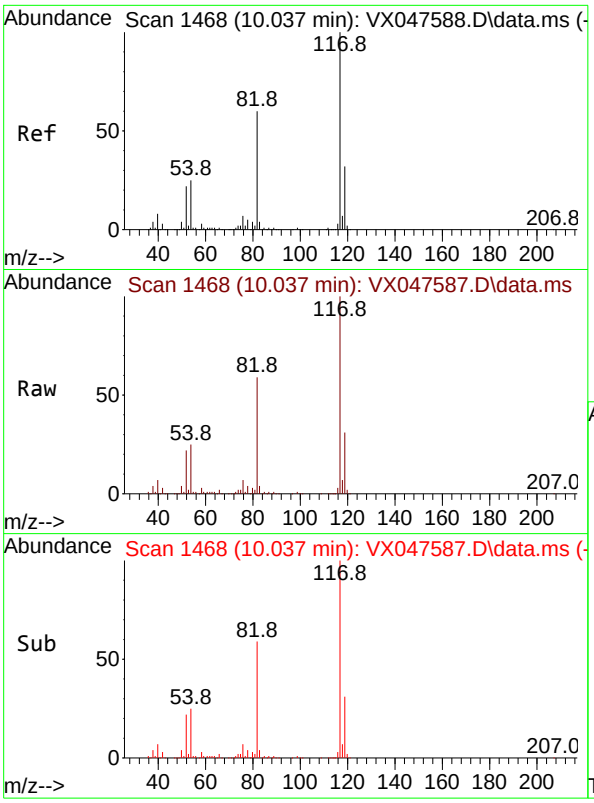


#62
4-Bromofluorobenzene
Concen: 16.360 ug/l
RT: 11.067 min Scan# 1637
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 95 Resp: 48454

Ion	Ratio	Lower	Upper
95	100		
174	70.2	0.0	141.6
176	70.3	0.0	138.4



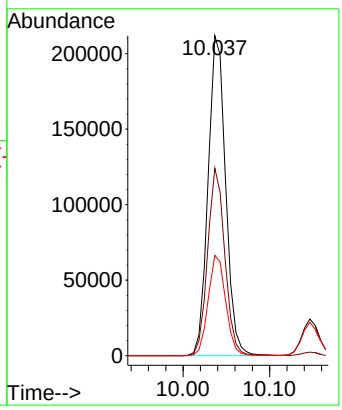


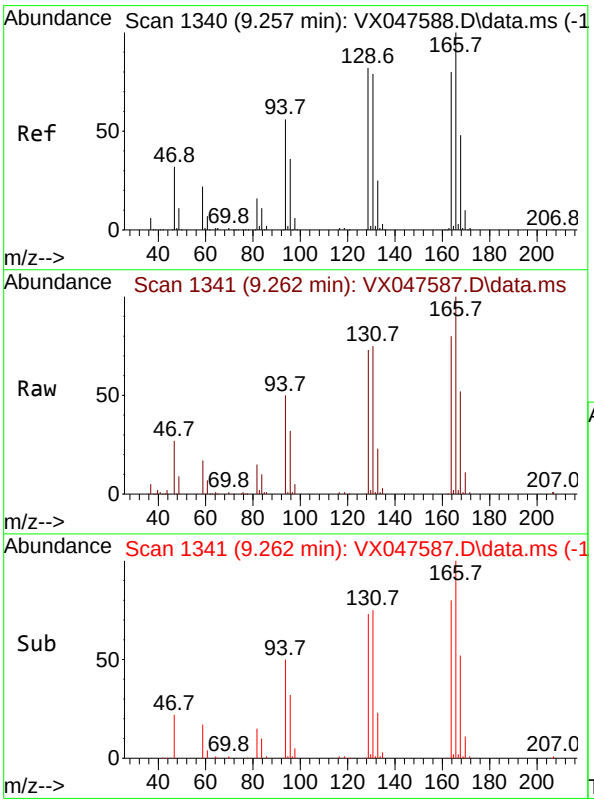
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:117 Resp: 298629

Ion	Ratio	Lower	Upper
117	100		
82	58.6	47.8	71.6
119	31.3	25.2	37.8

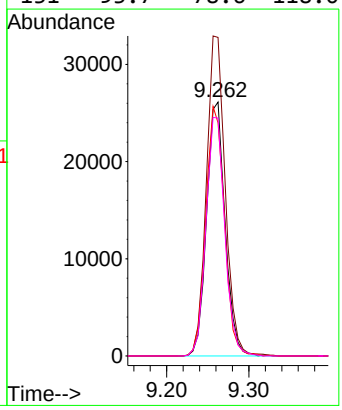


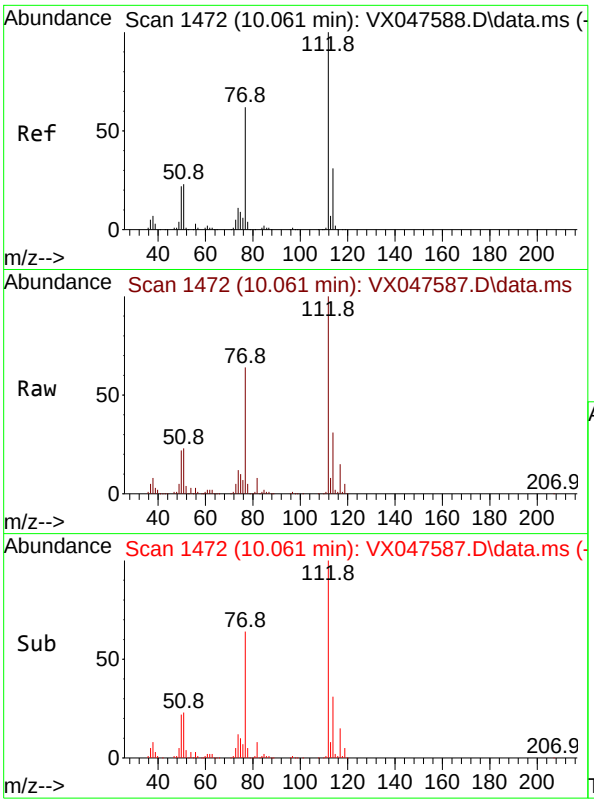


#64
Tetrachloroethene
Concen: 20.979 ug/l
RT: 9.262 min Scan# 1341
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:164 Resp: 40840

Ion	Ratio	Lower	Upper
164	100		
166	125.4	100.2	150.2
129	91.8	81.8	122.6
131	93.7	78.6	118.0



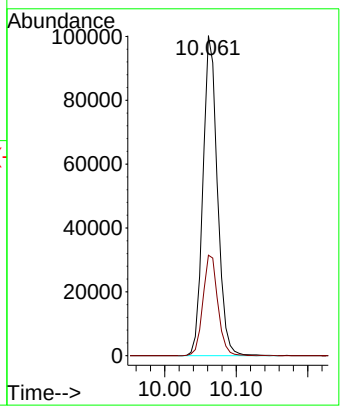


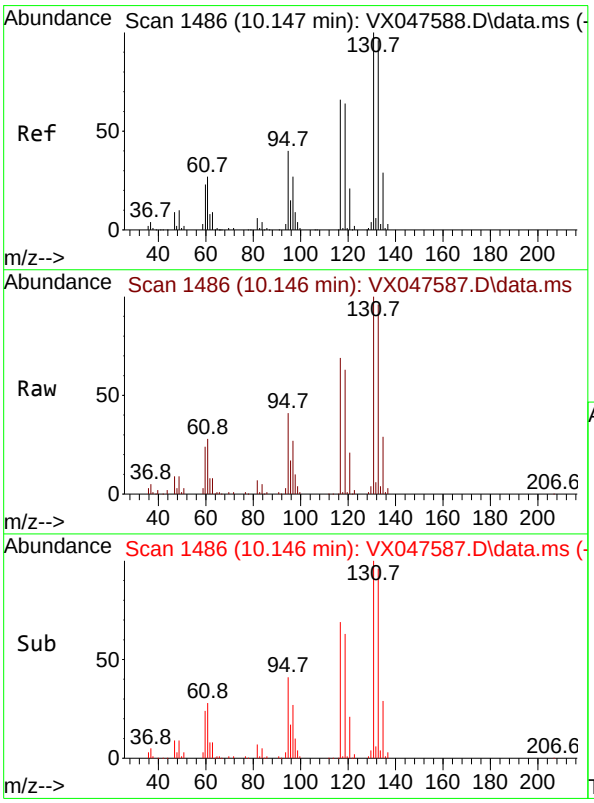
#65
Chlorobenzene
Concen: 20.731 ug/l
RT: 10.061 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:112 Resp: 140642

Ion	Ratio	Lower	Upper
112	100		
114	31.4	25.1	37.7

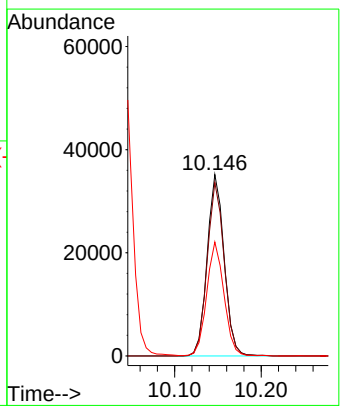


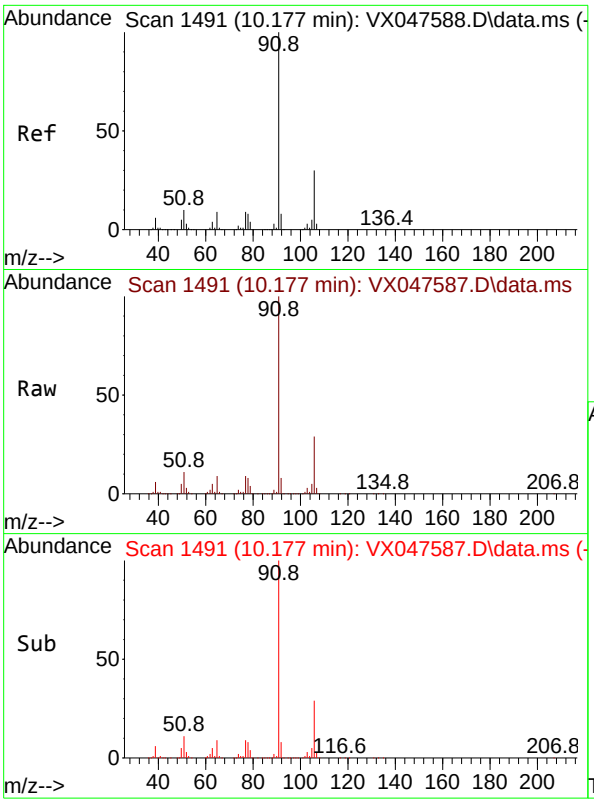


#66
1,1,1,2-Tetrachloroethane
Concen: 20.513 ug/l
RT: 10.146 min Scan# 1486
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:131 Resp: 48022

Ion	Ratio	Lower	Upper
131	100		
133	95.9	47.3	142.0
119	63.9	32.0	96.0



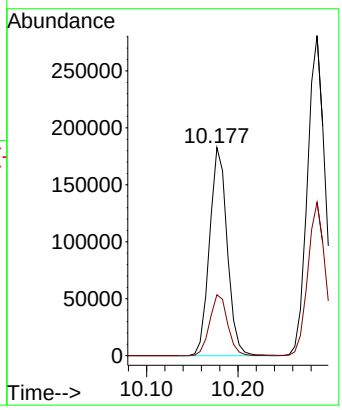


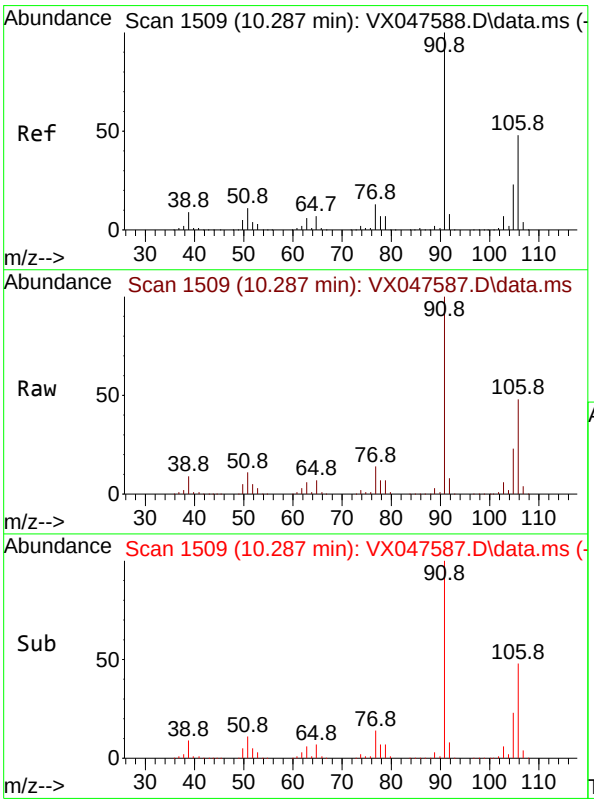
#67
Ethyl Benzene
Concen: 20.907 ug/l
RT: 10.177 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 91 Resp: 244737

Ion	Ratio	Lower	Upper
91	100		
106	29.3	24.3	36.5

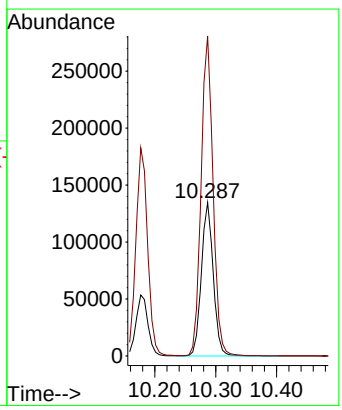


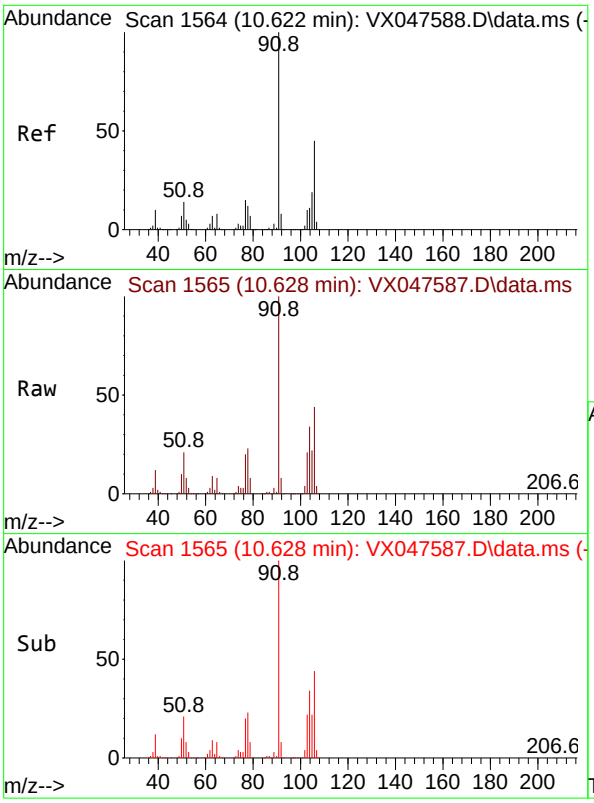


#68
m/p-Xylenes
Concen: 41.951 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:106 Resp: 182778

Ion	Ratio	Lower	Upper
106	100		
91	210.2	167.8	251.8



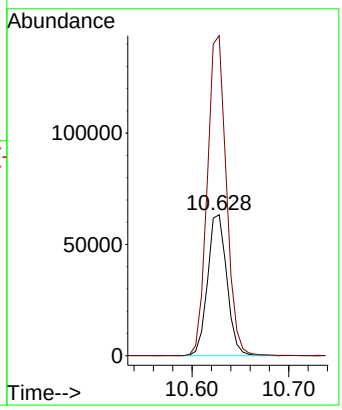


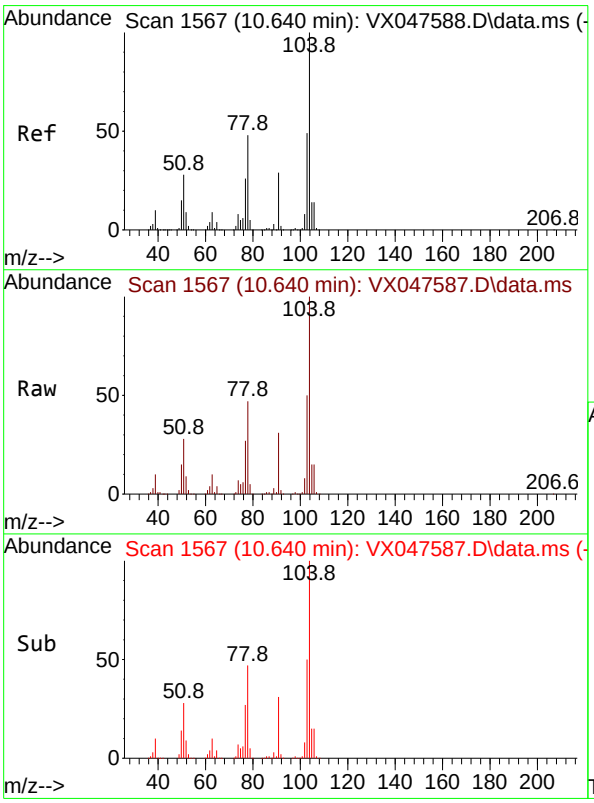
#69
o-Xylene
Concen: 20.799 ug/l
RT: 10.628 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:106 Resp: 87651

Ion	Ratio	Lower	Upper
106	100		
91	225.3	111.1	333.4

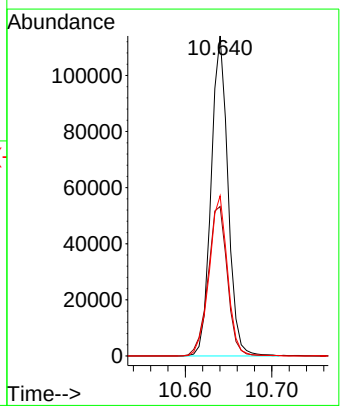


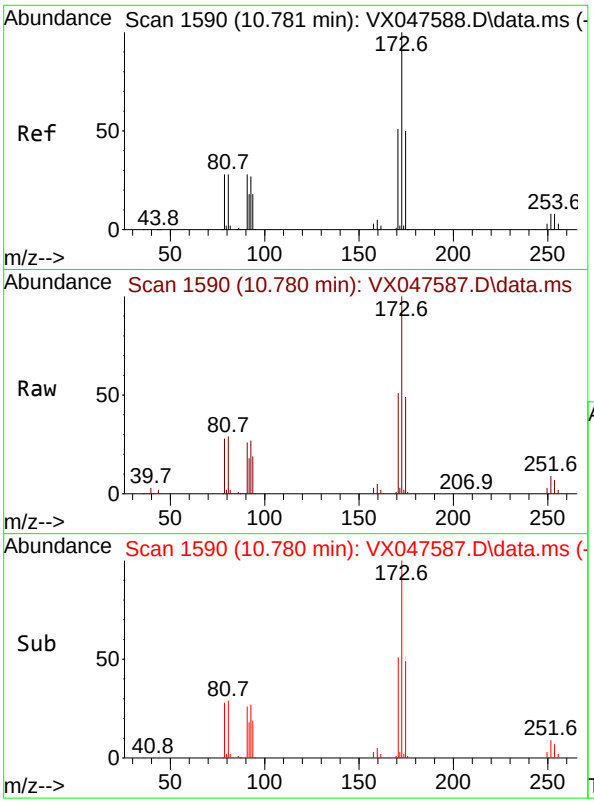


#70
Styrene
Concen: 20.866 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:104 Resp: 154077

Ion	Ratio	Lower	Upper
104	100		
78	53.6	43.1	64.7
103	54.4	43.1	64.7



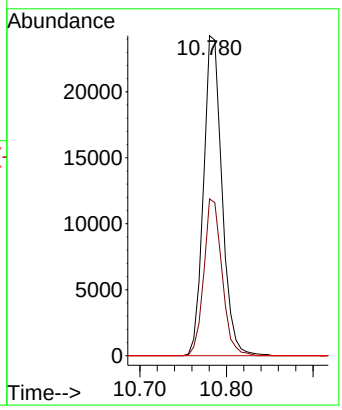


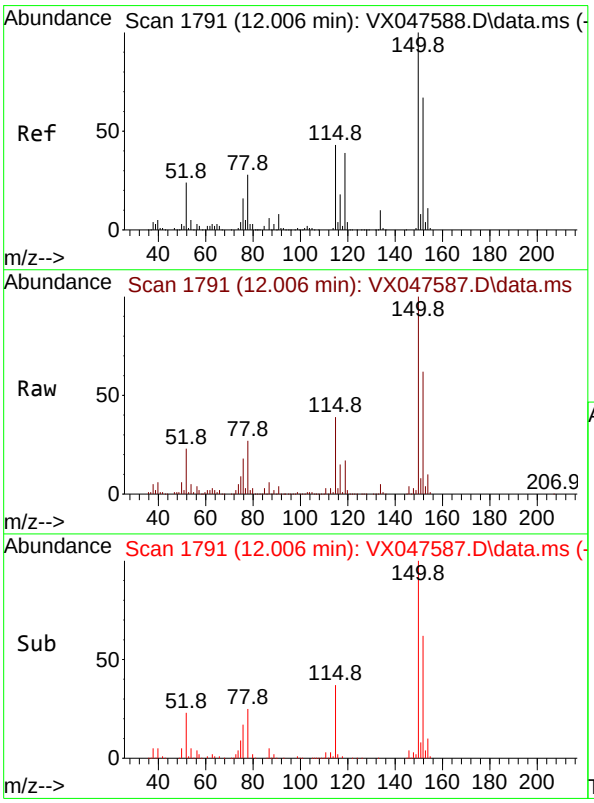
#71
Bromoform
Concen: 20.550 ug/l
RT: 10.780 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:173 Resp: 35922

Ion	Ratio	Lower	Upper
173	100		
175	48.3	24.9	74.6
254	0.0	0.1	0.1#

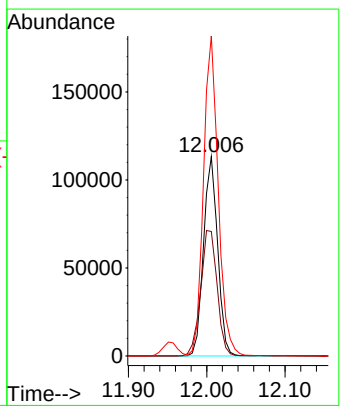


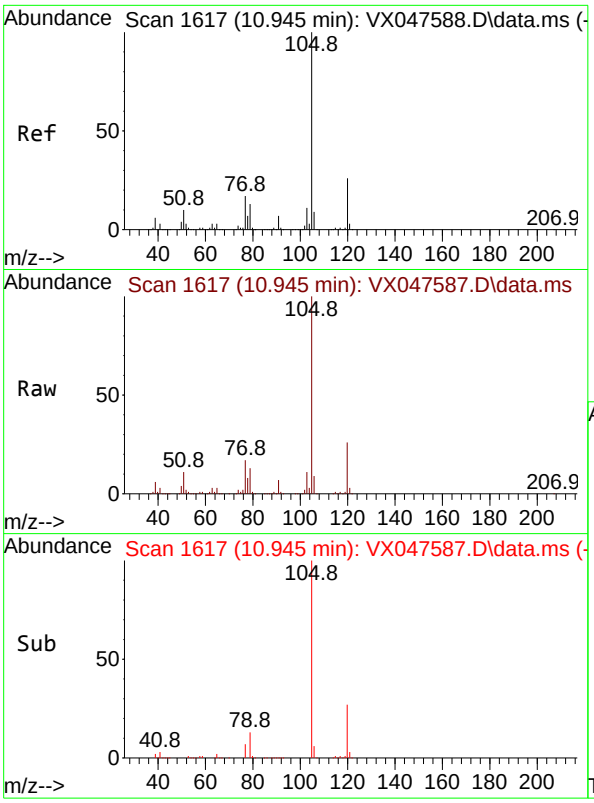


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:152 Resp: 141590

Ion	Ratio	Lower	Upper
152	100		
115	73.2	44.9	134.5
150	167.1	0.0	352.0



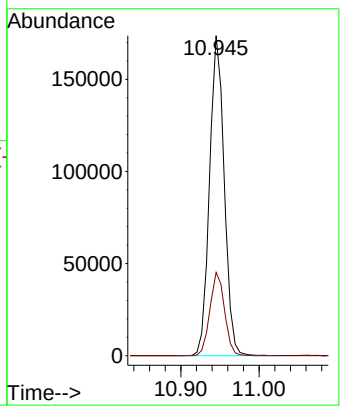


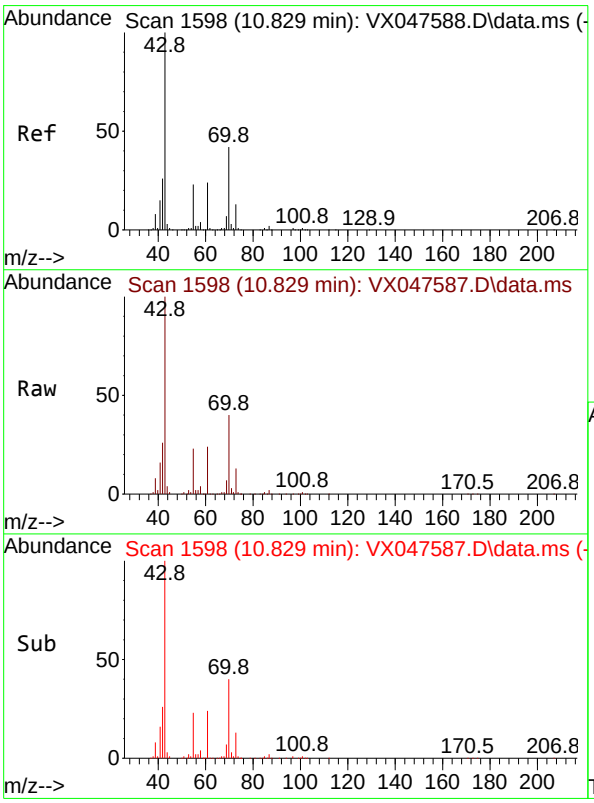
#73
Isopropylbenzene
Concen: 20.970 ug/l
RT: 10.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:105 Resp: 225730

Ion	Ratio	Lower	Upper
105	100		
120	25.9	12.8	38.4

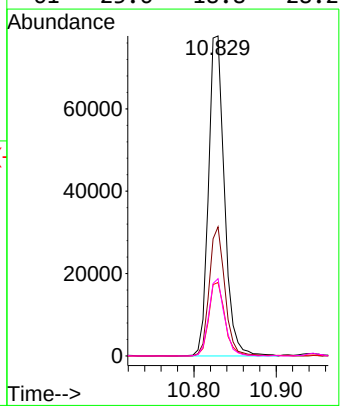


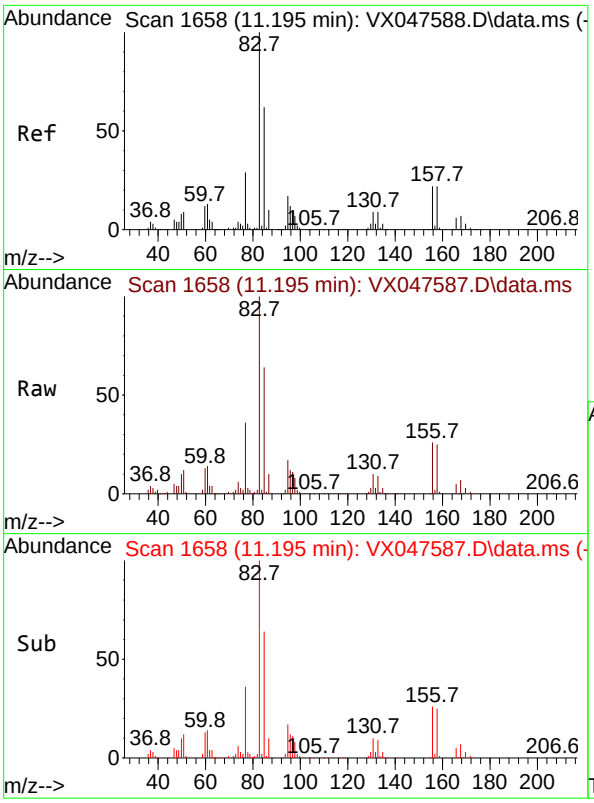


#74
N-amyl acetate
Concen: 21.354 ug/l
RT: 10.829 min Scan# 1598
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 43 Resp: 104823

Ion	Ratio	Lower	Upper
43	100		
70	39.8	32.0	48.0
55	23.4	18.9	28.3
61	23.6	18.8	28.2



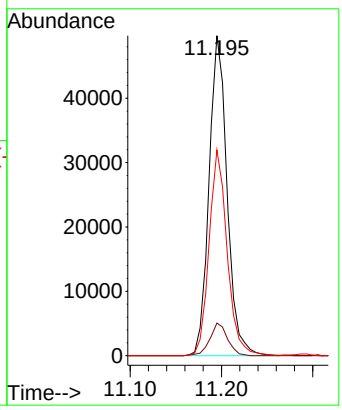


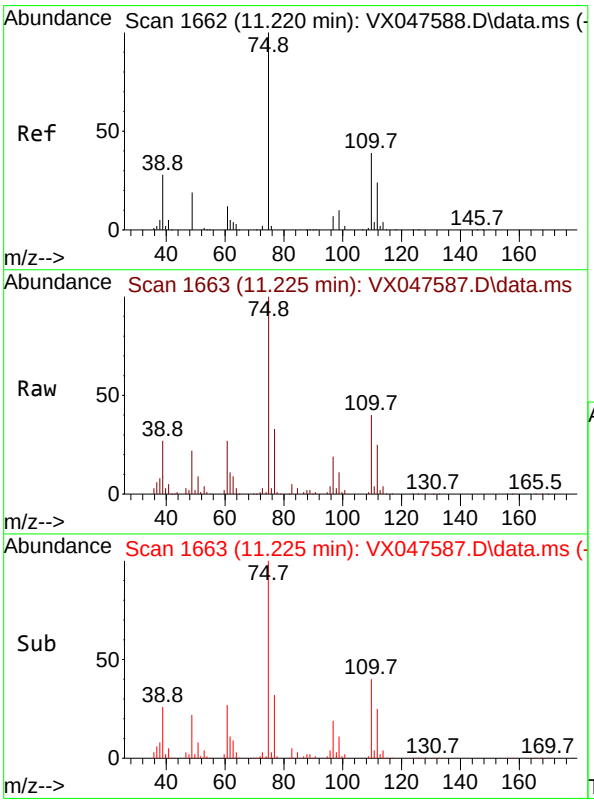
#75
1,1,2,2-Tetrachloroethane
Concen: 20.920 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 83 Resp: 68132

Ion	Ratio	Lower	Upper
83	100		
131	10.0	5.0	14.9
85	64.4	31.6	95.0

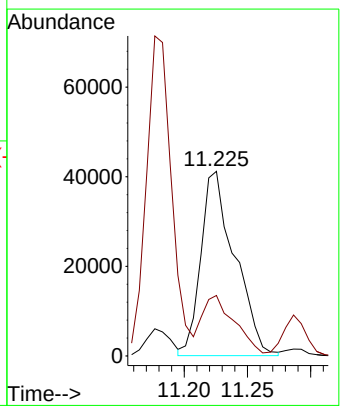


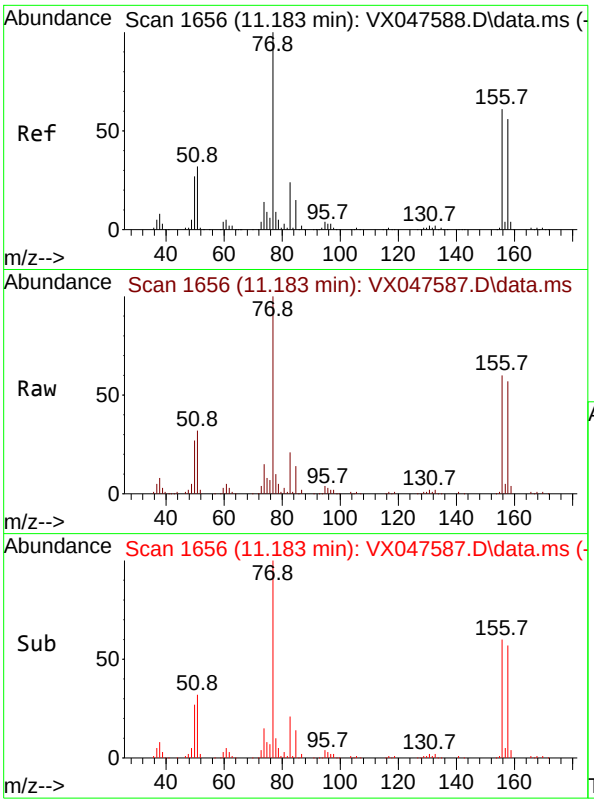


#76
1,2,3-Trichloropropane
Concen: 26.858 ug/l
RT: 11.225 min Scan# 1663
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 75 Resp: 76996

Ion	Ratio	Lower	Upper
75	100		
77	31.3	18.8	56.4



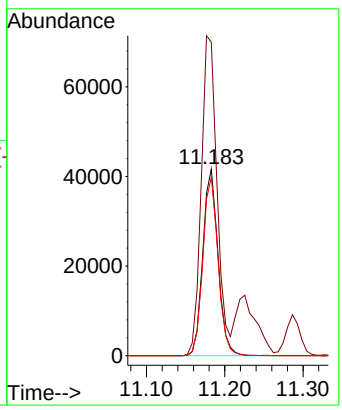


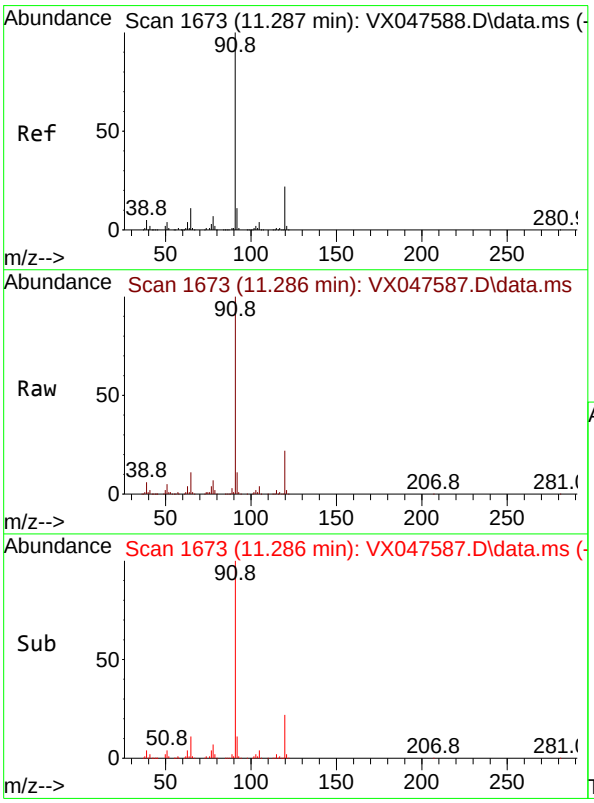
#77
Bromobenzene
Concen: 21.183 ug/l
RT: 11.183 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:156 Resp: 56161

Ion	Ratio	Lower	Upper
156	100		
77	177.4	89.7	269.1
158	95.2	47.9	143.6

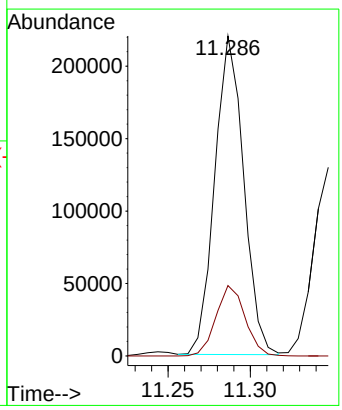


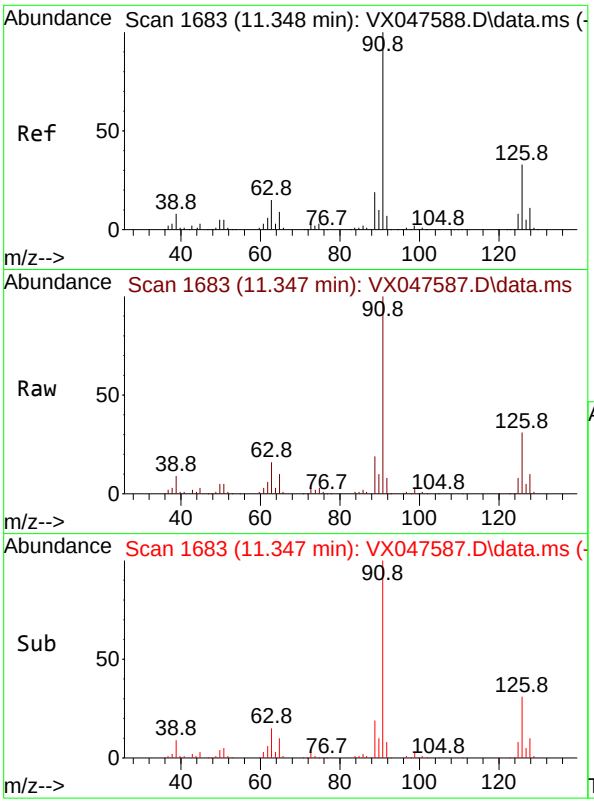


#78
n-propylbenzene
Concen: 21.092 ug/l
RT: 11.286 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 91 Resp: 268399

Ion	Ratio	Lower	Upper
91	100		
120	22.3	11.1	33.1



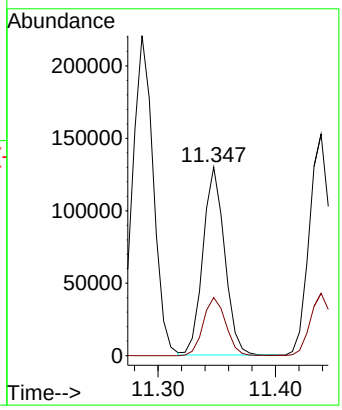


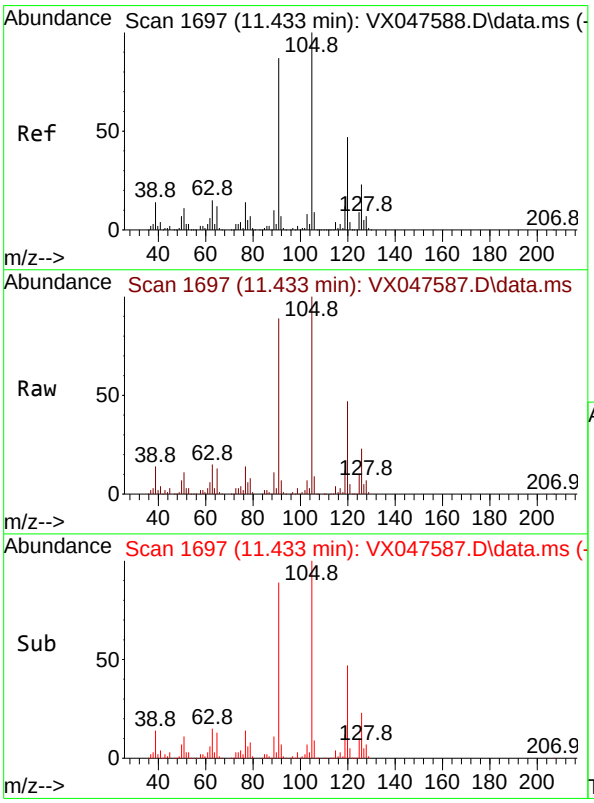
#79
2-Chlorotoluene
Concen: 21.329 ug/l
RT: 11.347 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 91 Resp: 166237

Ion	Ratio	Lower	Upper
91	100		
126	32.1	16.1	48.3

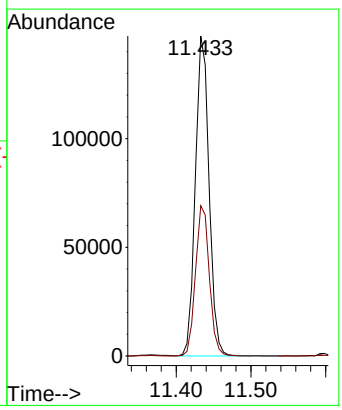


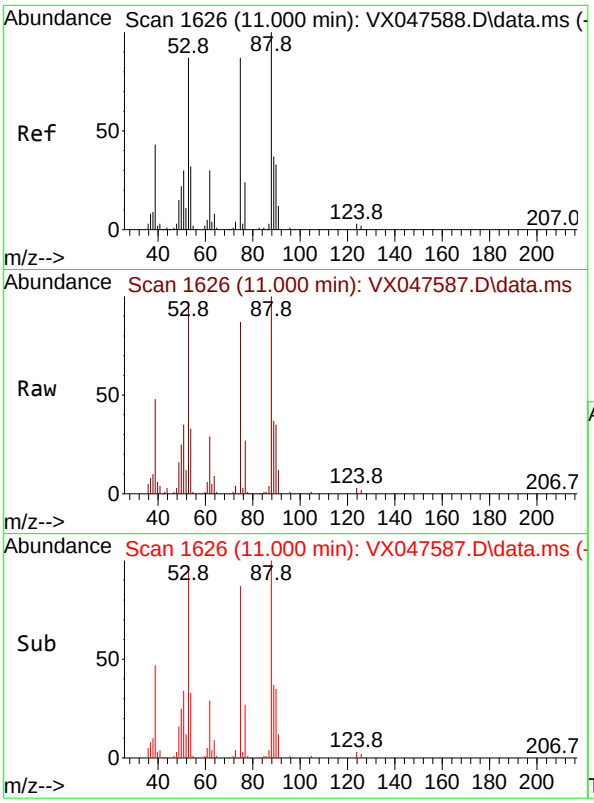


#80
1,3,5-Trimethylbenzene
Concen: 21.202 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:105 Resp: 187513

Ion	Ratio	Lower	Upper
105	100		
120	47.4	23.6	70.8



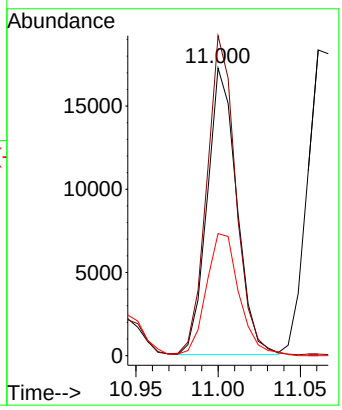


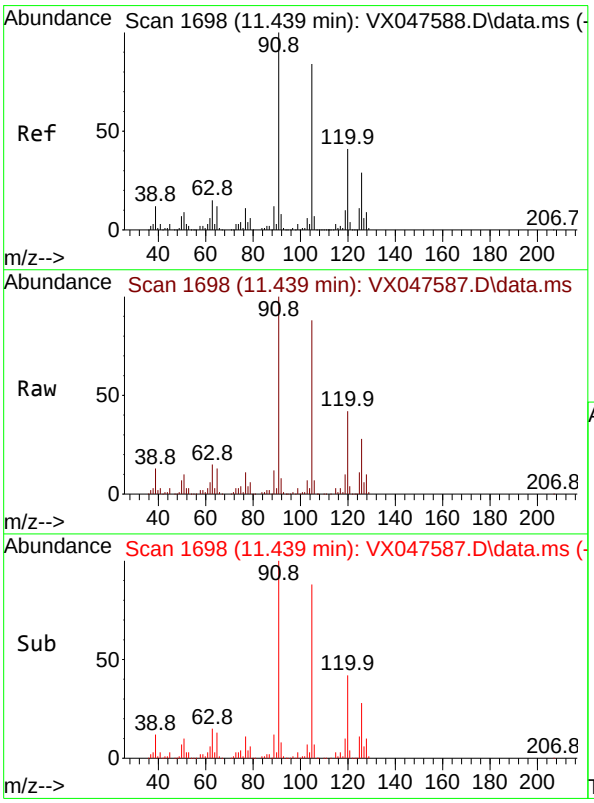
#81
trans-1,4-Dichloro-2-butene
Concen: 19.173 ug/l
RT: 11.000 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 75 Resp: 21553

Ion	Ratio	Lower	Upper
75	100		
53	109.1	83.4	125.2
89	47.6	36.3	54.5

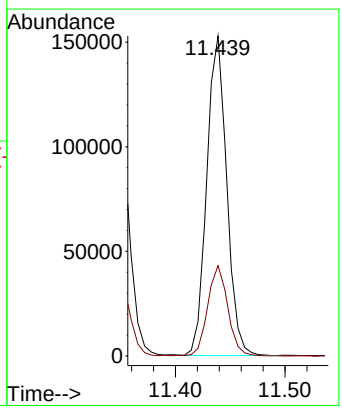


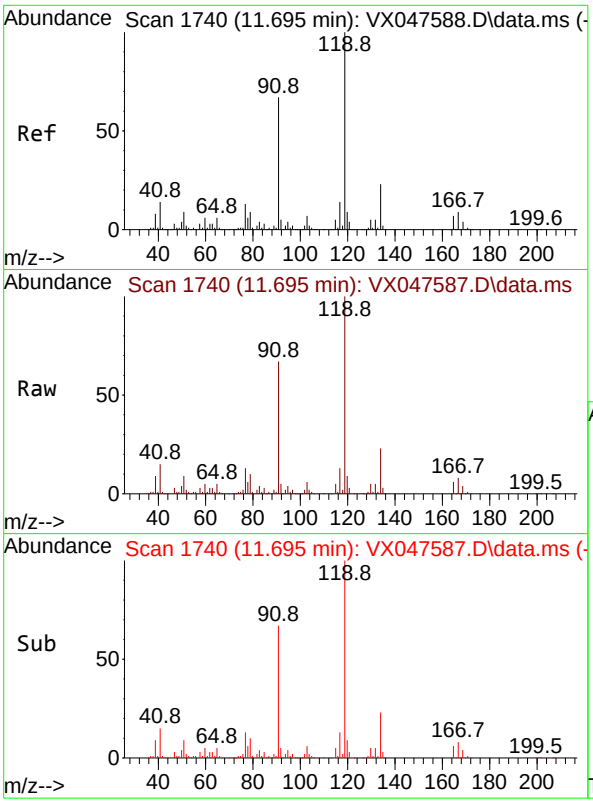


#82
4-Chlorotoluene
Concen: 20.980 ug/l
RT: 11.439 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 91 Resp: 193122

Ion	Ratio	Lower	Upper
91	100		
126	28.5	14.2	42.6



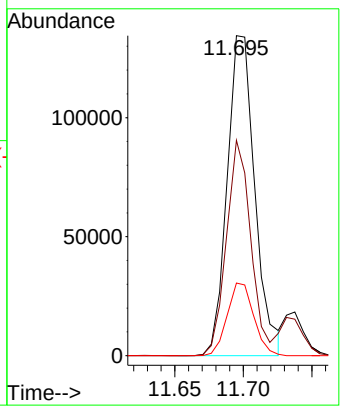


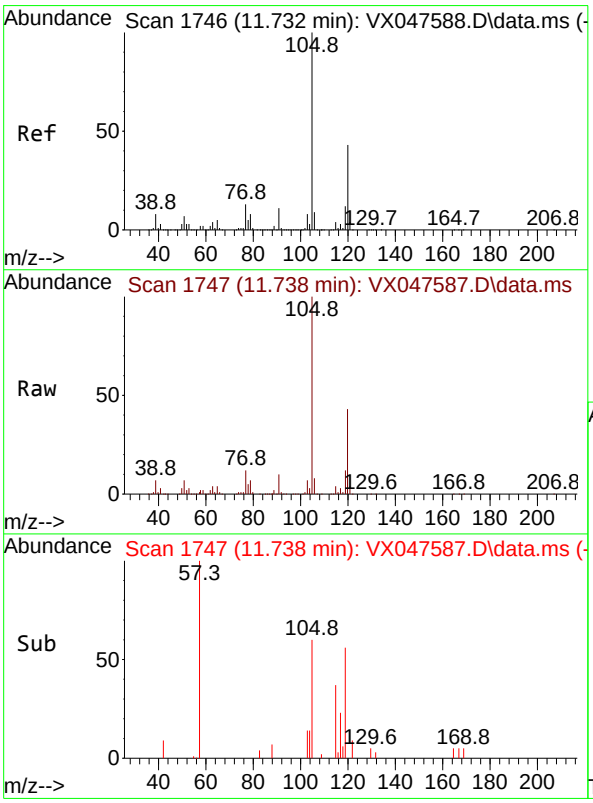
#83
tert-Butylbenzene
Concen: 20.929 ug/l
RT: 11.695 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:119 Resp: 189484

Ion	Ratio	Lower	Upper
119	100		
91	59.2	29.6	88.8
134	21.8	11.0	33.0

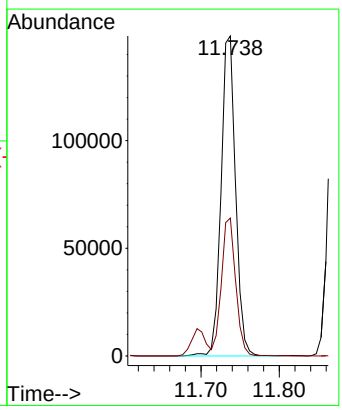


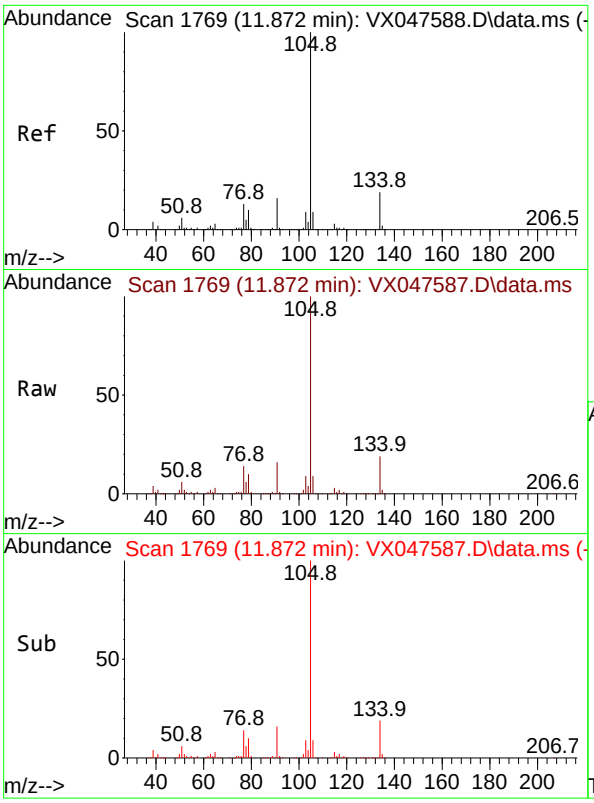


#84
1,2,4-Trimethylbenzene
Concen: 21.355 ug/l
RT: 11.738 min Scan# 1747
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:105 Resp: 191477

Ion	Ratio	Lower	Upper
105	100		
120	42.6	22.1	66.1



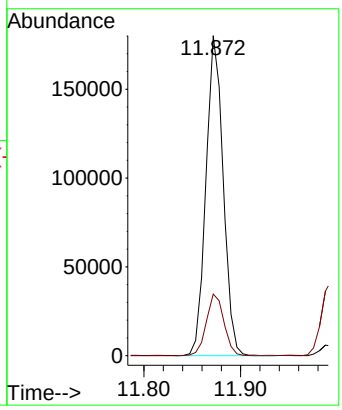


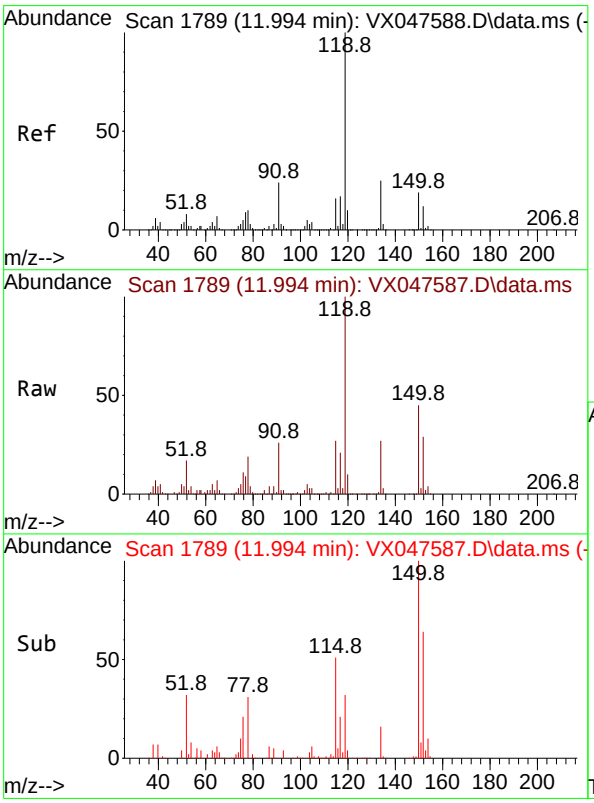
#85
sec-Butylbenzene
Concen: 20.777 ug/l
RT: 11.872 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:105 Resp: 223434

Ion	Ratio	Lower	Upper
105	100		
134	19.7	9.8	29.5

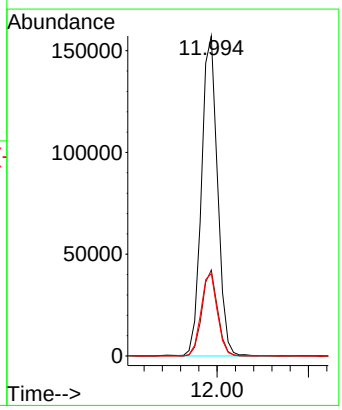


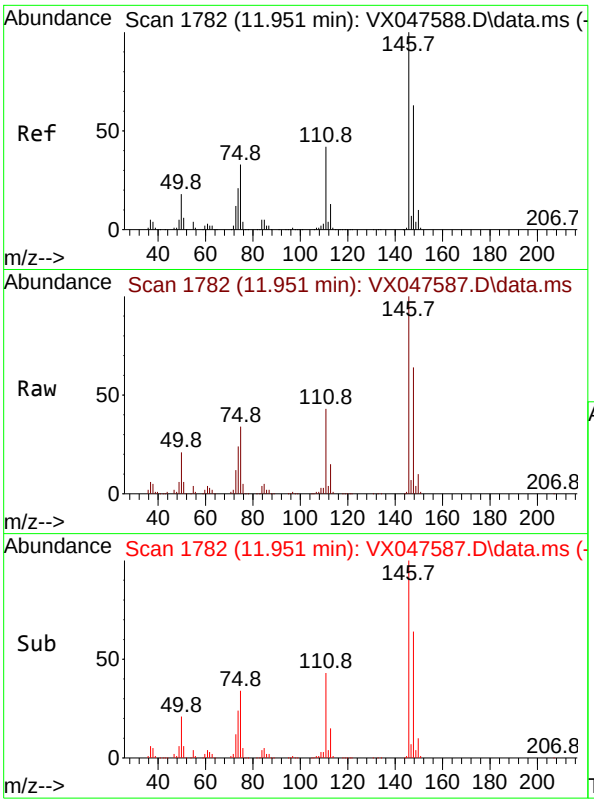


#86
p-Isopropyltoluene
Concen: 20.972 ug/l
RT: 11.994 min Scan# 1789
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:119 Resp: 190931

Ion	Ratio	Lower	Upper
119	100		
134	26.1	12.6	37.8
91	26.2	12.6	37.6



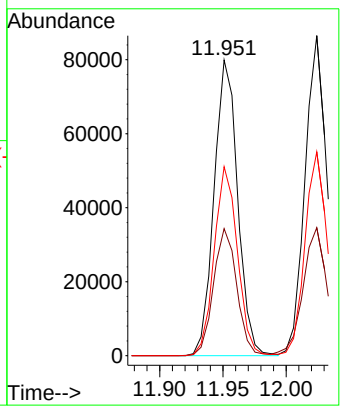


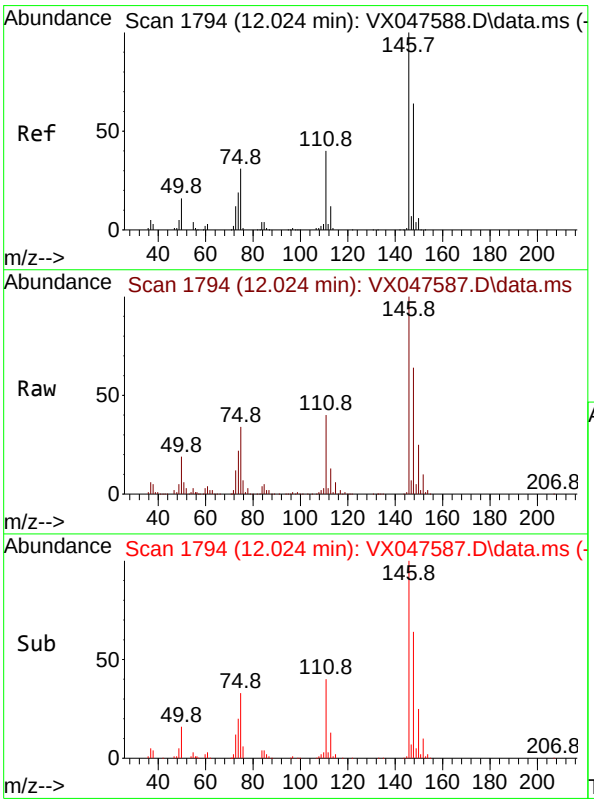
#87
1,3-Dichlorobenzene
Concen: 21.035 ug/l
RT: 11.951 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:146 Resp: 103584

Ion	Ratio	Lower	Upper
146	100		
111	42.4	21.5	64.5
148	62.7	32.0	96.0

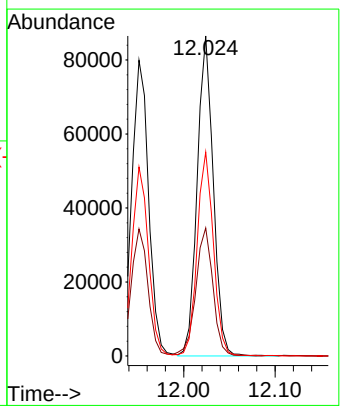


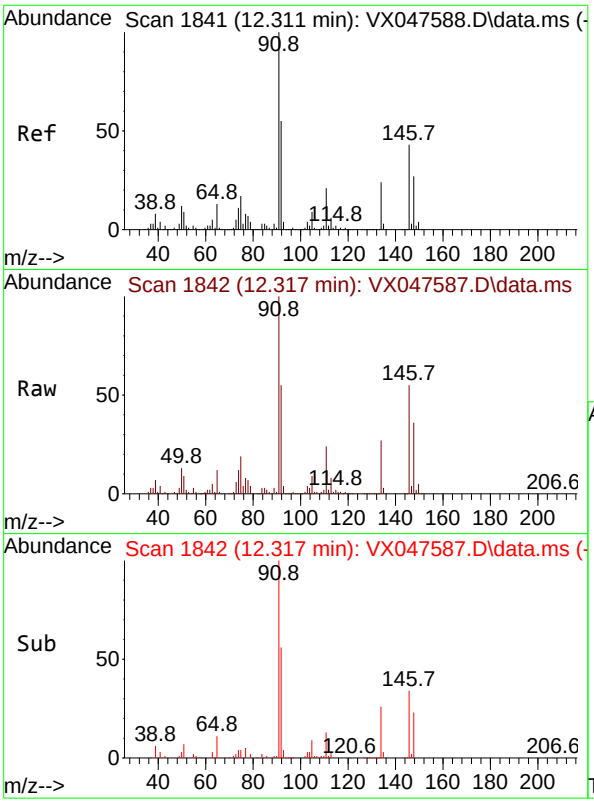


#88
1,4-Dichlorobenzene
Concen: 20.937 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:146 Resp: 105819

Ion	Ratio	Lower	Upper
146	100		
111	42.6	20.8	62.4
148	64.4	31.7	95.1



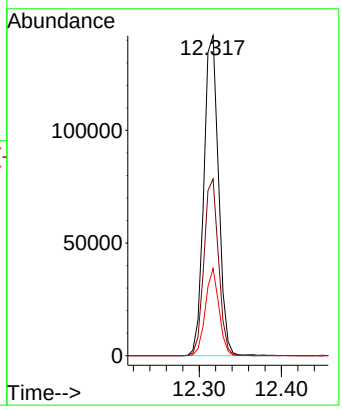


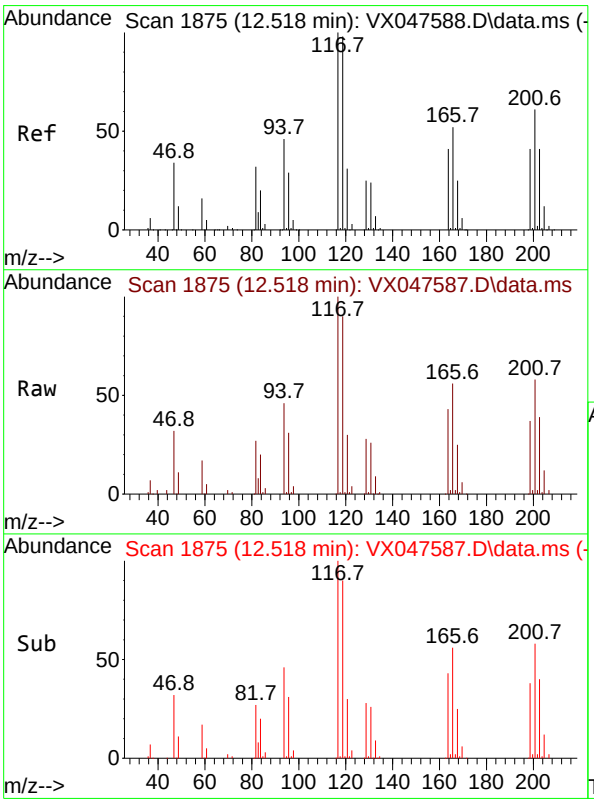
#89
n-Butylbenzene
Concen: 20.937 ug/l
RT: 12.317 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 91 Resp: 176373

Ion	Ratio	Lower	Upper
91	100		
92	54.6	27.6	82.7
134	25.3	12.6	37.8

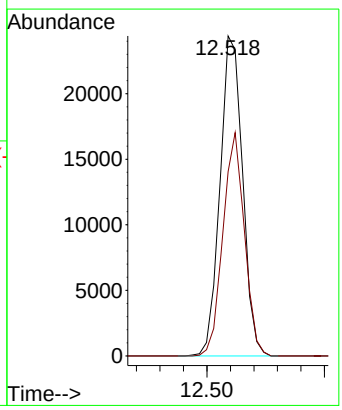


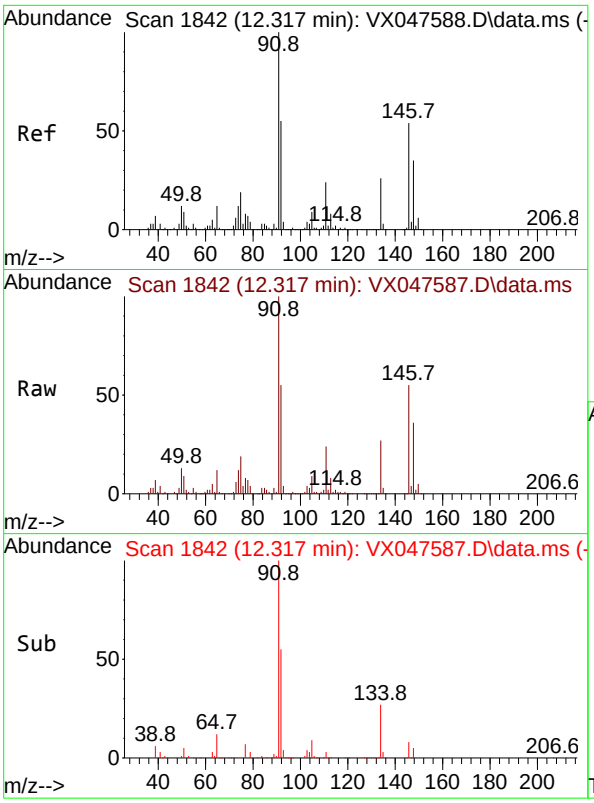


#90
Hexachloroethane
Concen: 20.349 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:117 Resp: 32526

Ion	Ratio	Lower	Upper
117	100		
201	66.6	34.2	102.5



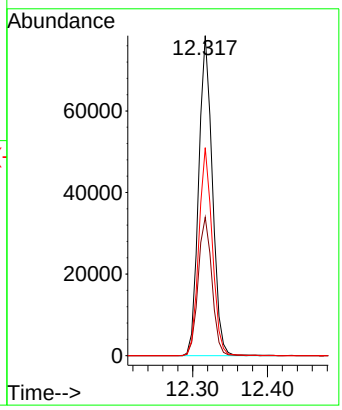


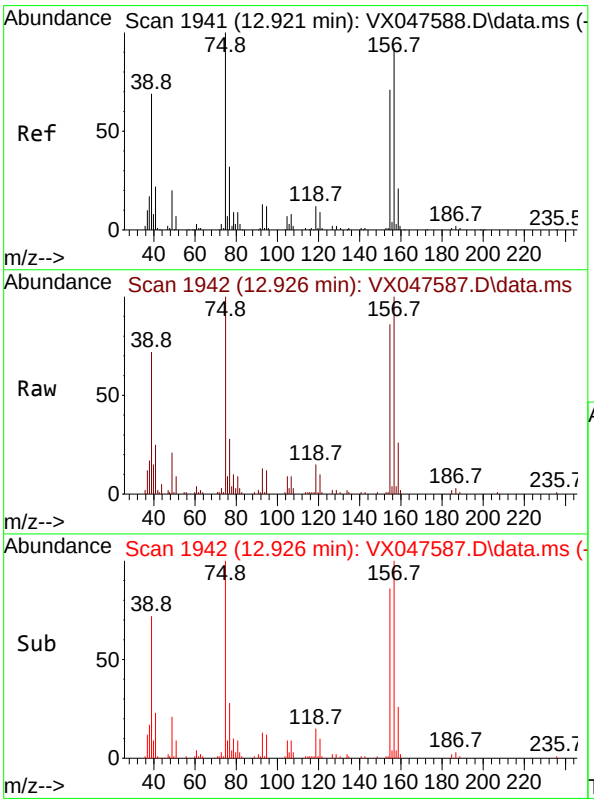
#91
1,2-Dichlorobenzene
Concen: 21.207 ug/l
RT: 12.317 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:146 Resp: 99493

Ion	Ratio	Lower	Upper
146	100		
111	43.4	22.2	66.6
148	63.9	31.8	95.4

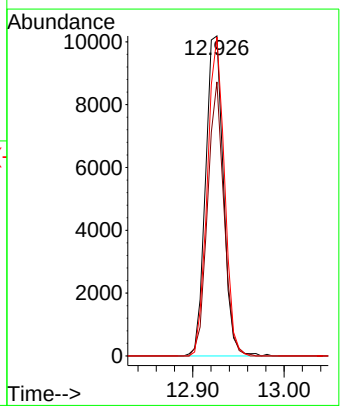


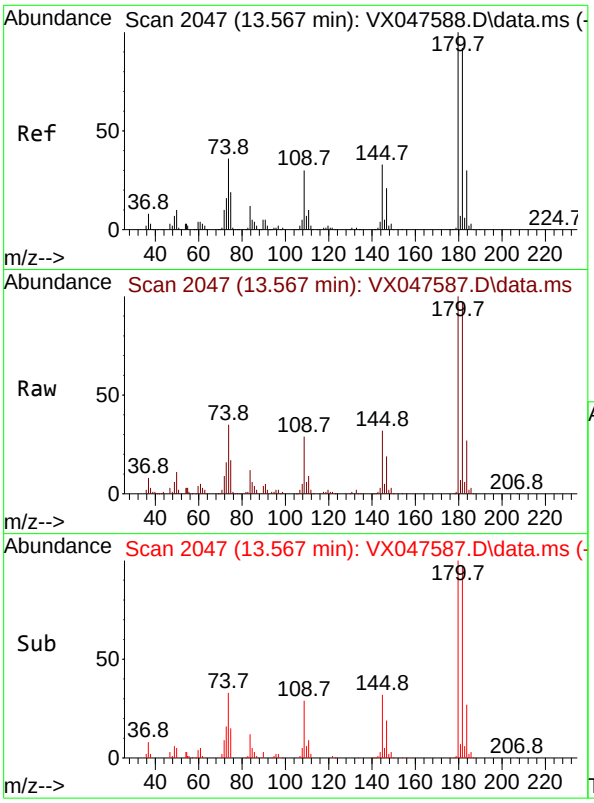


#92
1,2-Dibromo-3-Chloropropane
Concen: 20.821 ug/l
RT: 12.926 min Scan# 1942
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 75 Resp: 13729

Ion	Ratio	Lower	Upper
75	100		
155	78.8	37.7	113.1
157	95.9	49.8	149.4



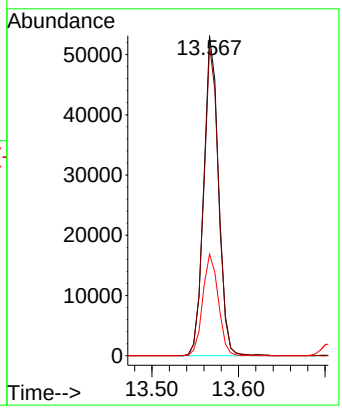


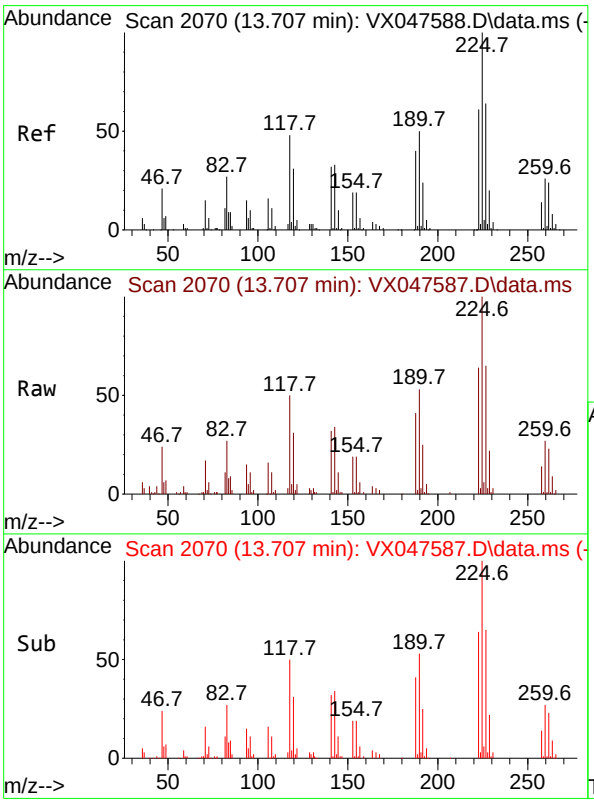
#93
1,2,4-Trichlorobenzene
Concen: 20.571 ug/l
RT: 13.567 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:180 Resp: 62722

Ion	Ratio	Lower	Upper
180	100		
182	97.8	46.6	139.8
145	33.4	16.4	49.1

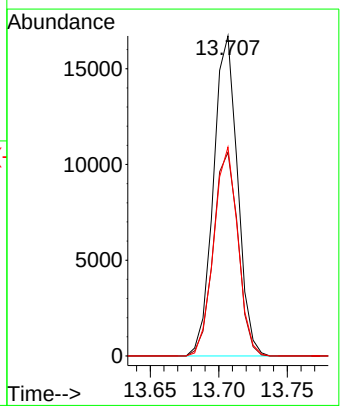


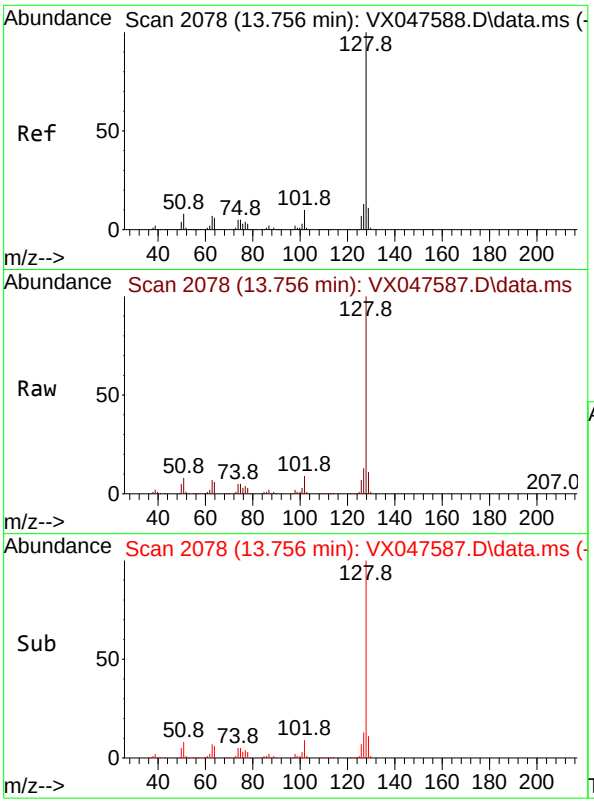


#94
Hexachlorobutadiene
Concen: 19.751 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:225 Resp: 20456

Ion	Ratio	Lower	Upper
225	100		
223	65.0	31.7	95.1
227	65.1	32.0	96.0



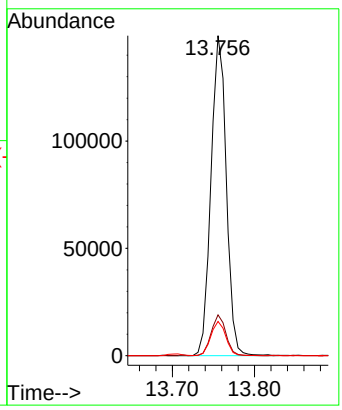


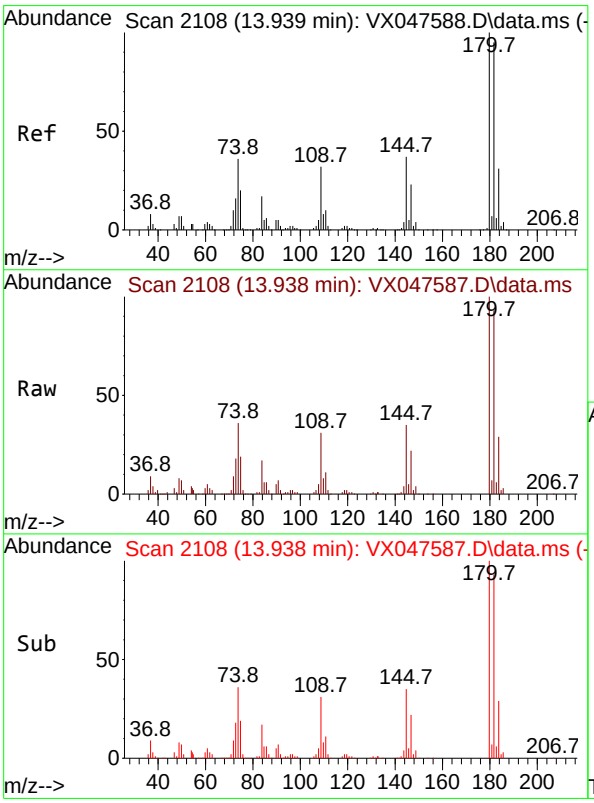
#95
Naphthalene
Concen: 20.801 ug/l
RT: 13.756 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:128 Resp: 193134

Ion	Ratio	Lower	Upper
128	100		
127	12.3	10.2	15.2
129	10.5	8.8	13.2

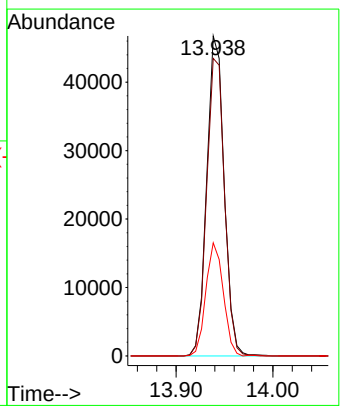




#96
1,2,3-Trichlorobenzene
Concen: 20.593 ug/l
RT: 13.938 min Scan# 2108
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:180 Resp: 58409

Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.6	142.8
145	35.5	17.9	53.7



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047588.D
Acq On : 16 Sep 2025 10:58
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Quant Time: Sep 22 01:50:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	173407	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	307383	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	270040	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	127732	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	133606	48.404	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	96.800%		
35) Dibromofluoromethane	5.373	113	101627	49.298	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.600%		
50) Toluene-d8	8.635	98	352578	49.428	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	98.860%		
62) 4-Bromofluorobenzene	11.061	95	131217	48.471	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	96.940%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.173	85	86824	48.352	ug/l	100
3) Chloromethane	1.301	50	114682	48.594	ug/l	100
4) Vinyl Chloride	1.380	62	114666	49.635	ug/l	100
5) Bromomethane	1.618	94	73561	50.216	ug/l	100
6) Chloroethane	1.697	64	76736	49.698	ug/l	100
7) Trichlorofluoromethane	1.898	101	172561	50.307	ug/l	100
8) Diethyl Ether	2.136	74	70874	50.510	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.337	101	101178	50.445	ug/l	100
10) Methyl Iodide	2.459	142	158046	50.525	ug/l	100
11) Tert butyl alcohol	2.941	59	77232	251.232	ug/l	100
12) 1,1-Dichloroethene	2.325	96	104724	50.831	ug/l	100
13) Acrolein	2.239	56	70721	249.645	ug/l	100
14) Allyl chloride	2.666	41	210001	49.396	ug/l	100
15) Acrylonitrile	3.063	53	300642	264.027	ug/l	100
16) Acetone	2.374	43	275065	229.193	ug/l	100
17) Carbon Disulfide	2.520	76	271480	48.133	ug/l	100
18) Methyl Acetate	2.703	43	151968	56.897	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	389607	51.804	ug/l	100
20) Methylene Chloride	2.788	84	126506	49.798	ug/l	100
21) trans-1,2-Dichloroethene	3.093	96	112553	50.743	ug/l	100
22) Diisopropyl ether	3.758	45	429524	52.131	ug/l	100
23) Vinyl Acetate	3.715	43	1726735	261.852	ug/l	100
24) 1,1-Dichloroethane	3.605	63	224824	51.338	ug/l	100
25) 2-Butanone	4.538	43	380335	254.060	ug/l	100
26) 2,2-Dichloropropane	4.465	77	185247	50.888	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	140105	51.576	ug/l	100
28) Bromochloromethane	4.891	49	99991	52.301	ug/l	100
29) Tetrahydrofuran	4.989	42	238677	265.026	ug/l	100
30) Chloroform	5.080	83	229430	51.844	ug/l	100
31) Cyclohexane	5.458	56	178546	48.952	ug/l	100
32) 1,1,1-Trichloroethane	5.373	97	195407	52.058	ug/l	100
36) 1,1-Dichloropropene	5.684	75	149800	49.729	ug/l	100
37) Ethyl Acetate	4.702	43	163482	50.687	ug/l	100
38) Carbon Tetrachloride	5.672	117	165730	50.637	ug/l	100
39) Methylcyclohexane	7.367	83	173610	50.773	ug/l	100
40) Benzene	6.025	78	468136	51.167	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047588.D
Acq On : 16 Sep 2025 10:58
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Quant Time: Sep 22 01:50:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.904	41	87761	52.707	ug/l		100
42) 1,2-Dichloroethane	6.074	62	179037	51.431	ug/l		100
43) Isopropyl Acetate	6.324	43	275572	52.096	ug/l		100
44) Trichloroethene	7.111	130	113832	51.463	ug/l		100
45) 1,2-Dichloropropane	7.415	63	122109	52.122	ug/l		100
46) Dibromomethane	7.568	93	88505	51.914	ug/l		100
47) Bromodichloromethane	7.806	83	186540	53.025	ug/l		100
48) Methyl methacrylate	7.678	41	138167	52.438	ug/l		100
49) 1,4-Dioxane	7.647	88	29496	1107.698	ug/l		100
51) 4-Methyl-2-Pentanone	8.562	43	784978	267.650	ug/l		100
52) Toluene	8.702	92	288853	51.244	ug/l		100
53) t-1,3-Dichloropropene	8.964	75	190282	53.027	ug/l		100
54) cis-1,3-Dichloropropene	8.354	75	200859	52.369	ug/l		100
55) 1,1,2-Trichloroethane	9.135	97	112837	51.915	ug/l		100
56) Ethyl methacrylate	9.104	69	184087	53.930	ug/l		100
57) 1,3-Dichloropropane	9.293	76	195989	52.492	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.226	63	418707	256.309	ug/l		100
59) 2-Hexanone	9.415	43	553313	262.683	ug/l		100
60) Dibromochloromethane	9.506	129	133737	53.401	ug/l		100
61) 1,2-Dibromoethane	9.592	107	116462	52.607	ug/l		100
64) Tetrachloroethene	9.257	164	88149	50.074	ug/l		100
65) Chlorobenzene	10.061	112	317982	51.833	ug/l		100
66) 1,1,1,2-Tetrachloroethane	10.147	131	111849	52.835	ug/l		100
67) Ethyl Benzene	10.177	91	550610	52.017	ug/l		100
68) m/p-Xylenes	10.287	106	412932	104.809	ug/l		100
69) o-Xylene	10.622	106	202291	53.084	ug/l		100
70) Styrene	10.640	104	350654	52.515	ug/l		100
71) Bromoform	10.781	173	84485	53.447	ug/l	#	100
73) Isopropylbenzene	10.945	105	516891	53.227	ug/l		100
74) N-amyl acetate	10.829	43	237846	53.710	ug/l		100
75) 1,1,2,2-Tetrachloroethane	11.195	83	156454	53.251	ug/l		100
76) 1,2,3-Trichloropropane	11.220	75	178309	68.947	ug/l		88
77) Bromobenzene	11.183	156	126174	52.754	ug/l		100
78) n-propylbenzene	11.287	91	612035	53.315	ug/l		100
79) 2-Chlorotoluene	11.348	91	372397	52.965	ug/l		100
80) 1,3,5-Trimethylbenzene	11.433	105	426989	53.518	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.000	75	52927	52.190	ug/l		100
82) 4-Chlorotoluene	11.439	91	438502	52.806	ug/l		100
83) tert-Butylbenzene	11.695	119	429107	52.539	ug/l		100
84) 1,2,4-Trimethylbenzene	11.732	105	427073	52.798	ug/l		100
85) sec-Butylbenzene	11.872	105	514442	53.029	ug/l		100
86) p-Isopropyltoluene	11.994	119	436704	53.172	ug/l		100
87) 1,3-Dichlorobenzene	11.951	146	232038	52.232	ug/l		100
88) 1,4-Dichlorobenzene	12.024	146	233975	51.316	ug/l		100
89) n-Butylbenzene	12.311	91	400997	52.766	ug/l		100
90) Hexachloroethane	12.518	117	75800	52.567	ug/l		100
91) 1,2-Dichlorobenzene	12.317	146	222993	52.688	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	12.921	75	32451	54.554	ug/l		100
93) 1,2,4-Trichlorobenzene	13.567	180	147670	53.685	ug/l		100
94) Hexachlorobutadiene	13.707	225	49061	52.510	ug/l		100
95) Naphthalene	13.756	128	452013	53.966	ug/l		100
96) 1,2,3-Trichlorobenzene	13.939	180	138978	54.316	ug/l		100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047588.D
Acq On : 16 Sep 2025 10:58
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Quant Time: Sep 22 01:50:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

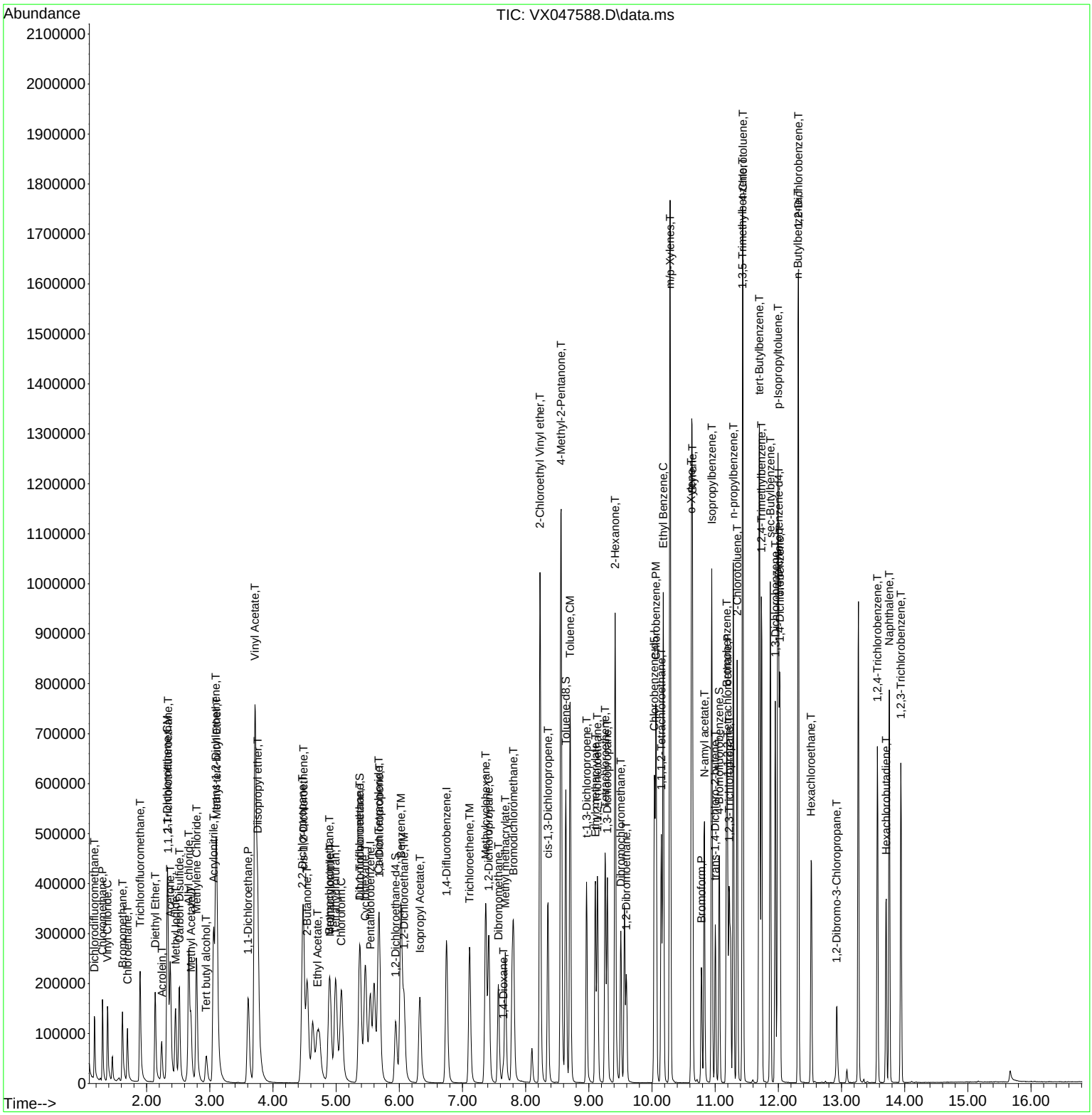
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

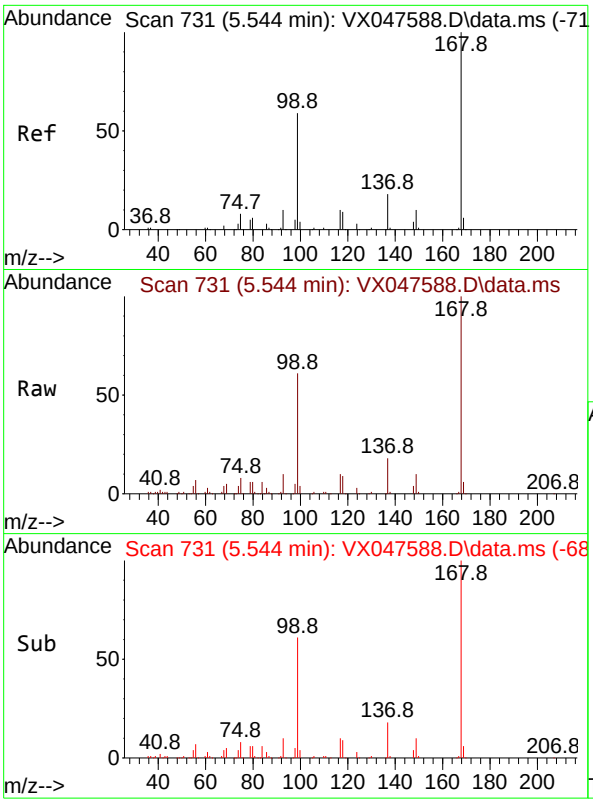
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047588.D
Acq On : 16 Sep 2025 10:58
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Quant Time: Sep 22 01:50:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



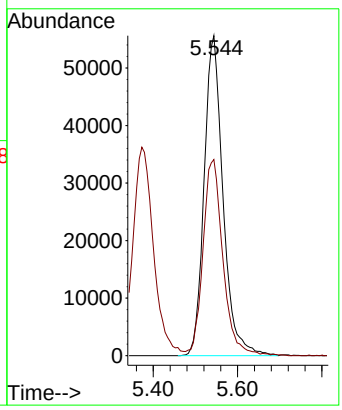


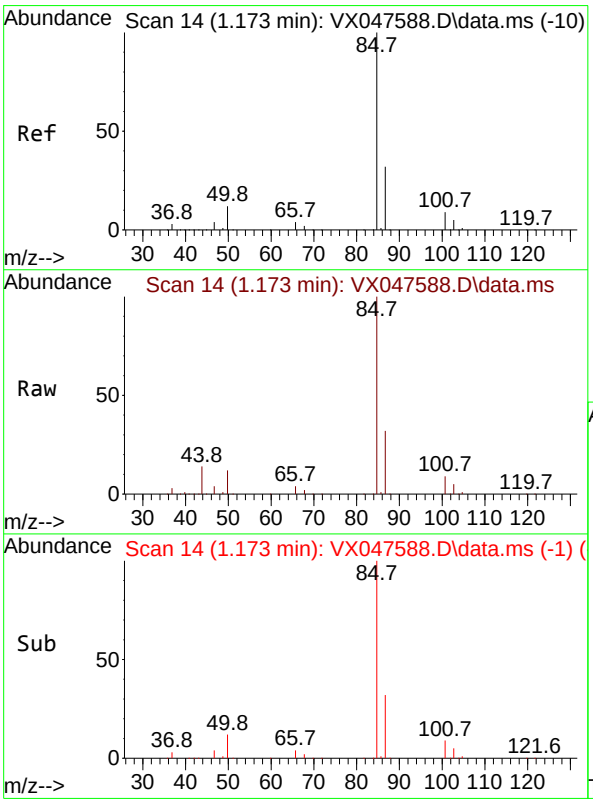
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:168 Resp: 173407

Ion	Ratio	Lower	Upper
168	100		
99	61.0	48.8	73.2

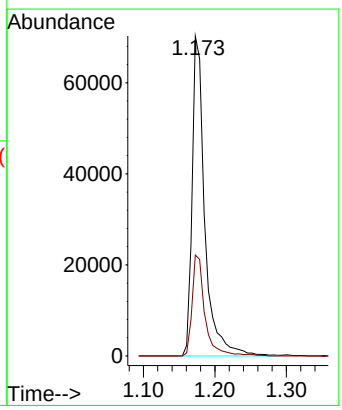


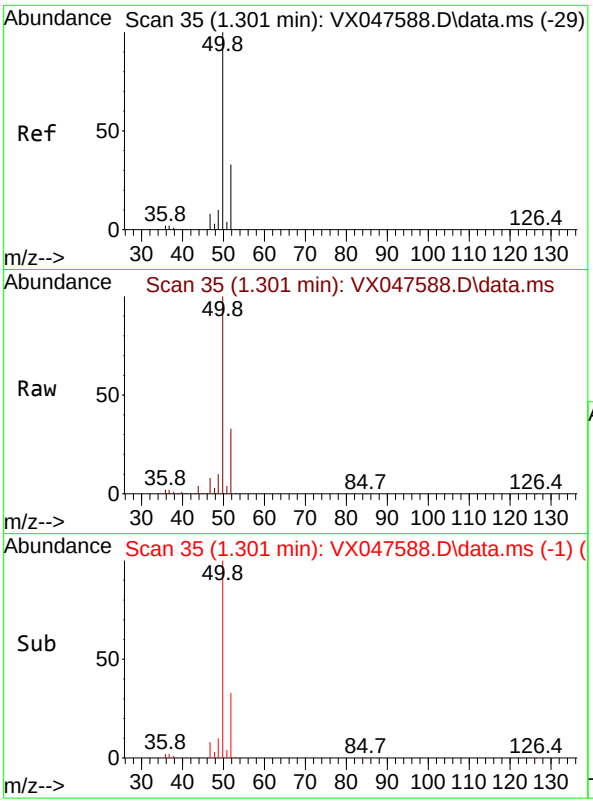


#2
Dichlorodifluoromethane
Concen: 48.352 ug/l
RT: 1.173 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 85 Resp: 86824

Ion	Ratio	Lower	Upper
85	100		
87	31.5	15.8	47.3



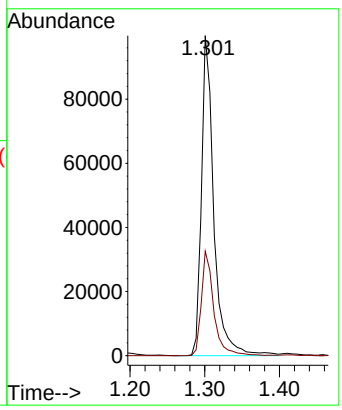


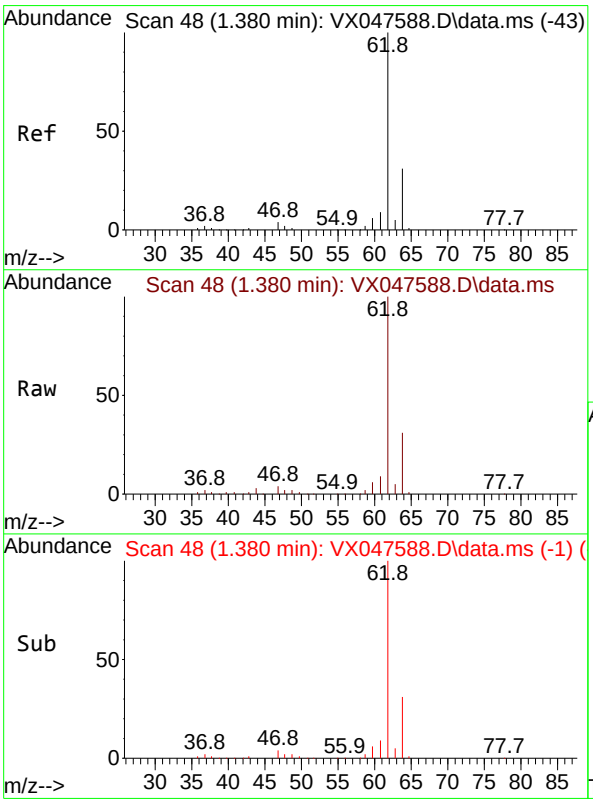
#3
Chloromethane
Concen: 48.594 ug/l
RT: 1.301 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 50 Resp: 114682

Ion	Ratio	Lower	Upper
50	100		
52	32.6	26.1	39.1

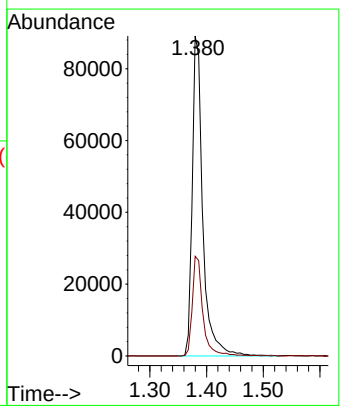


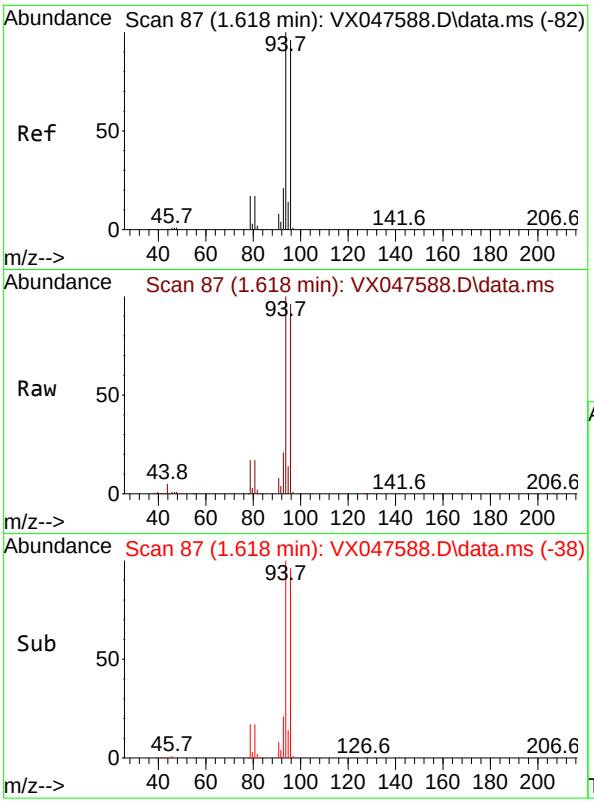


#4
Vinyl Chloride
Concen: 49.635 ug/l
RT: 1.380 min Scan# 48
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 62 Resp: 114666

Ion	Ratio	Lower	Upper
62	100		
64	31.1	24.9	37.3



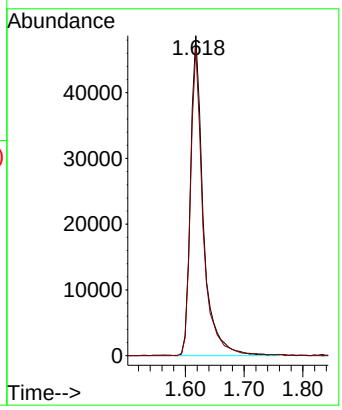


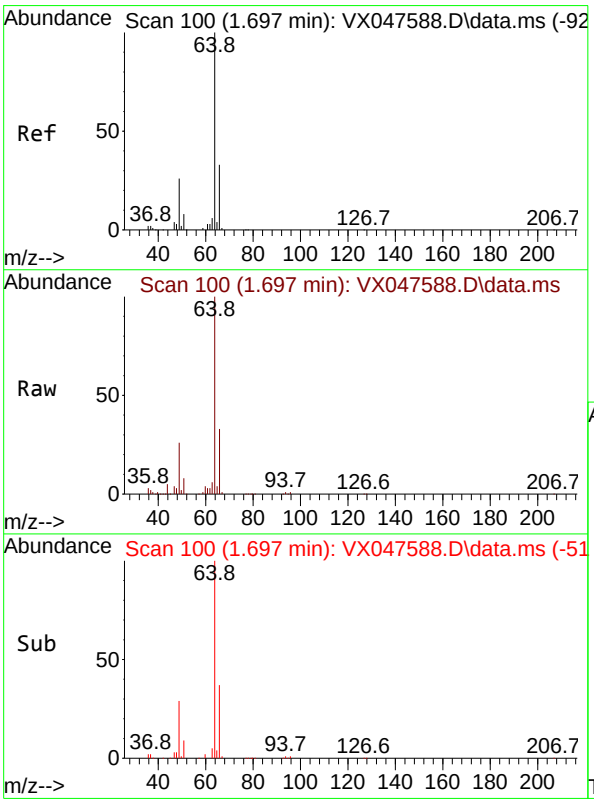
#5
Bromomethane
Concen: 50.216 ug/l
RT: 1.618 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 94 Resp: 73561

Ion	Ratio	Lower	Upper
94	100		
96	95.8	76.6	115.0

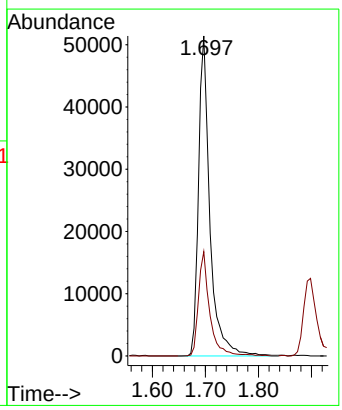


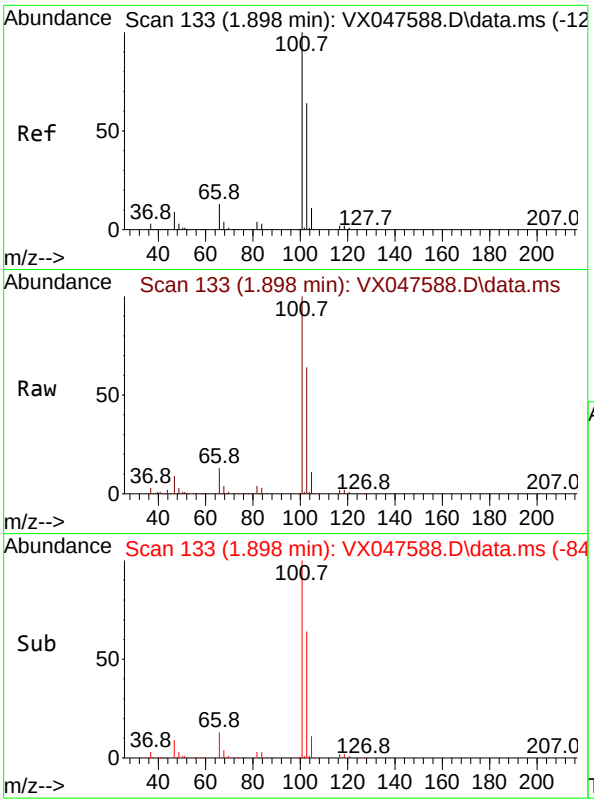


#6
Chloroethane
Concen: 49.698 ug/l
RT: 1.697 min Scan# 100
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 64 Resp: 76736

Ion	Ratio	Lower	Upper
64	100		
66	32.6	26.1	39.1



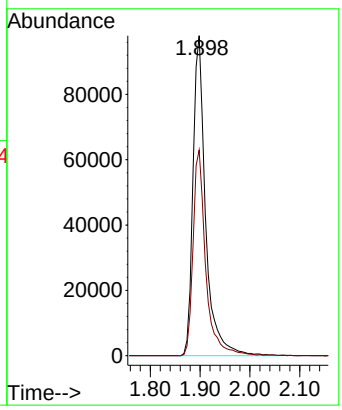


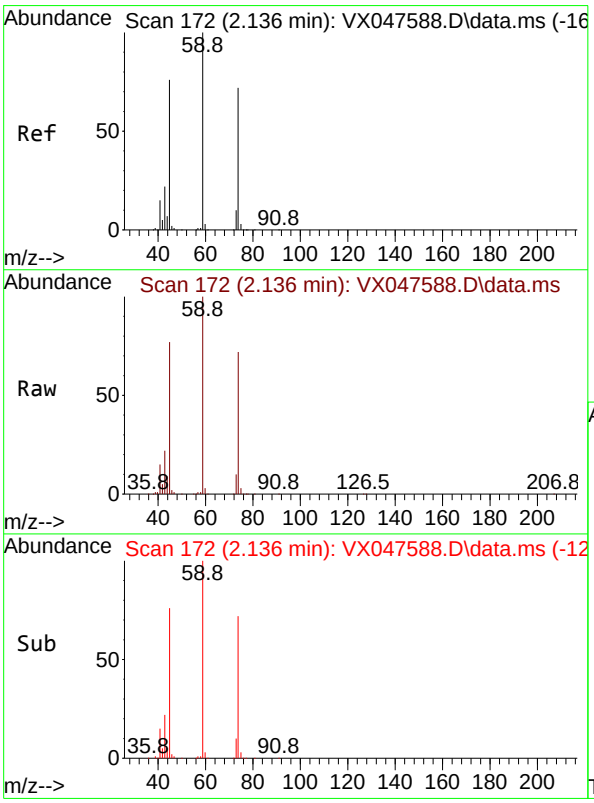
#7
Trichlorofluoromethane
Concen: 50.307 ug/l
RT: 1.898 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:101 Resp: 172561

Ion	Ratio	Lower	Upper
101	100		
103	64.3	51.4	77.2

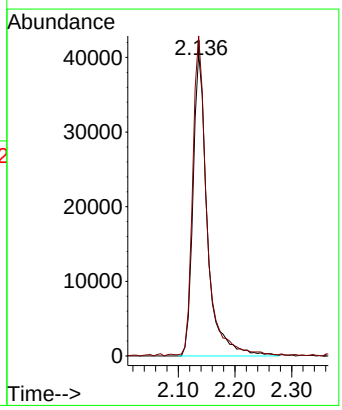


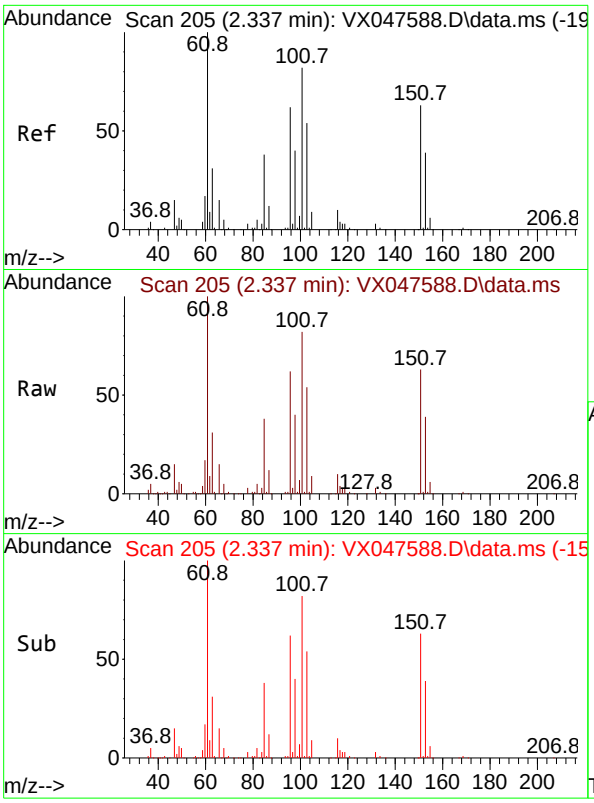


#8
Diethyl Ether
Concen: 50.510 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 74 Resp: 70874

Ion	Ratio	Lower	Upper
74	100		
45	104.5	52.3	156.8



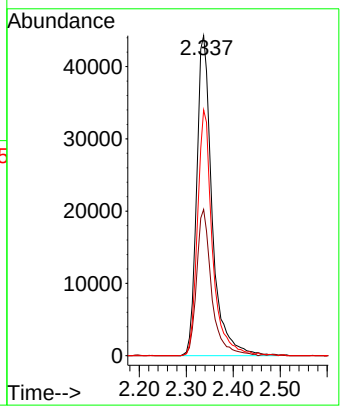


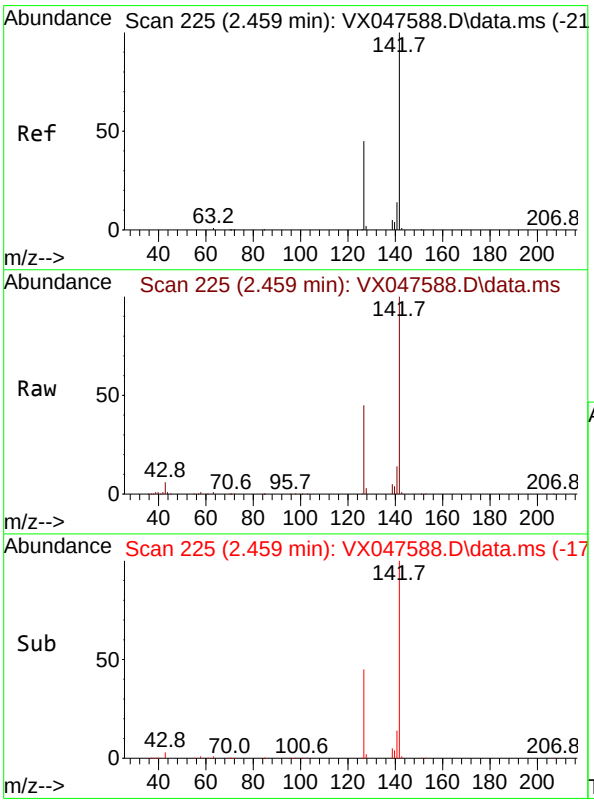
#9
1,1,2-Trichlorotrifluoroethane
Concen: 50.445 ug/l
RT: 2.337 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:101 Resp: 101178

Ion	Ratio	Lower	Upper
101	100		
85	44.4	35.5	53.3
151	74.2	59.4	89.0

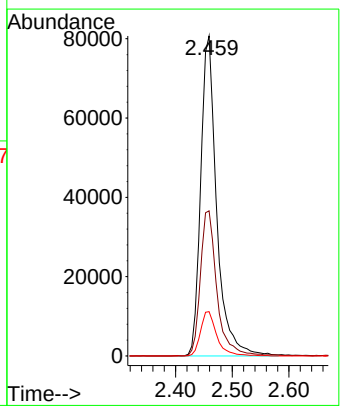


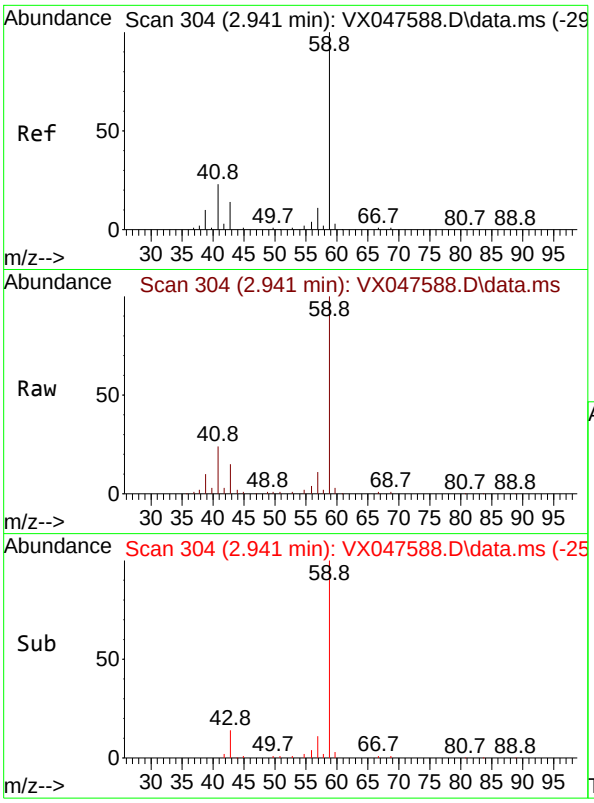


#10
Methyl Iodide
Concen: 50.525 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:142 Resp: 158046

Ion	Ratio	Lower	Upper
142	100		
127	46.5	37.2	55.8
141	14.2	11.4	17.0



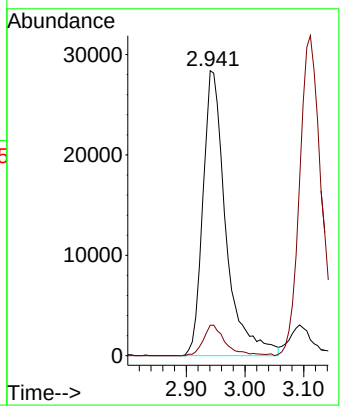


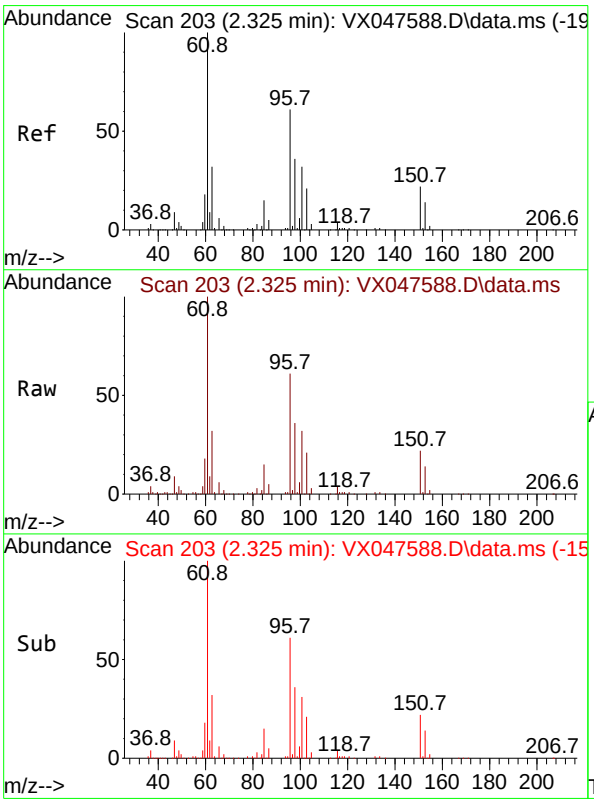
#11
Tert butyl alcohol
Concen: 251.232 ug/l
RT: 2.941 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 59 Resp: 77232

Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.3	12.5

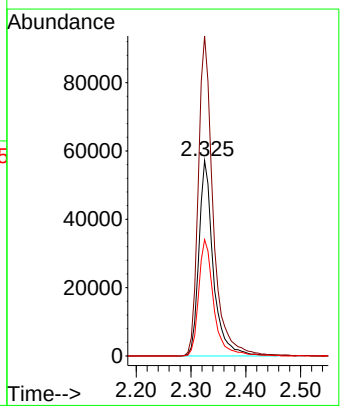


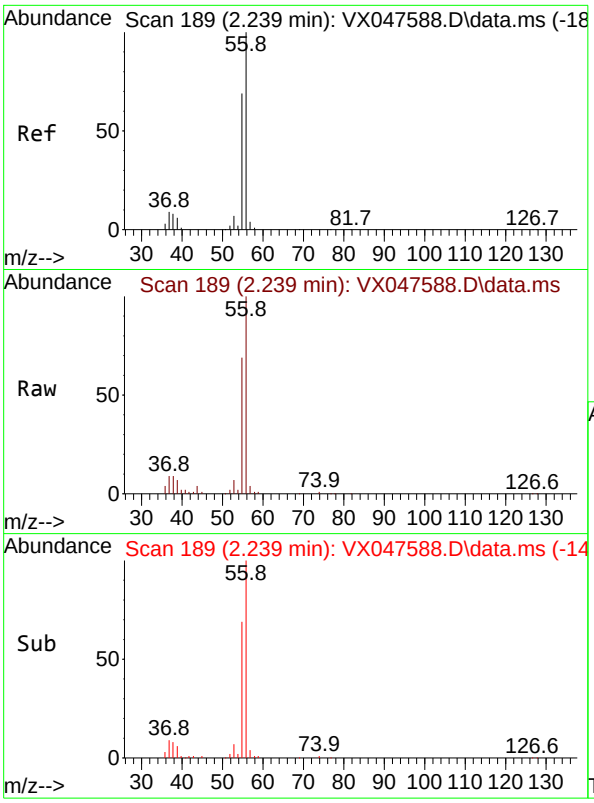


#12
1,1-Dichloroethene
Concen: 50.831 ug/l
RT: 2.325 min Scan# 203
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 96 Resp: 104724

Ion	Ratio	Lower	Upper
96	100		
61	163.8	131.0	196.6
98	59.6	47.7	71.5



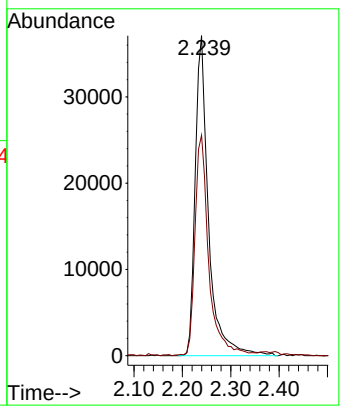


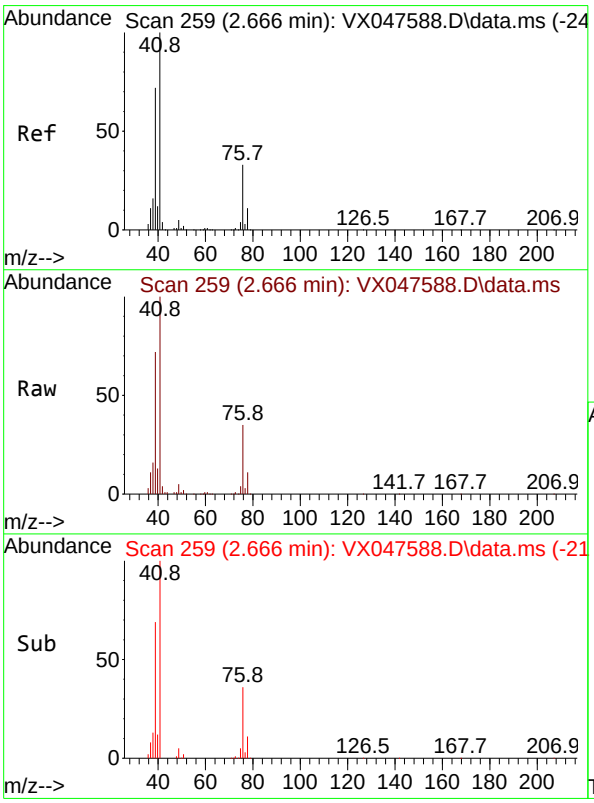
#13
Acrolein
Concen: 249.645 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 56 Resp: 70721

Ion	Ratio	Lower	Upper
56	100		
55	71.5	57.2	85.8

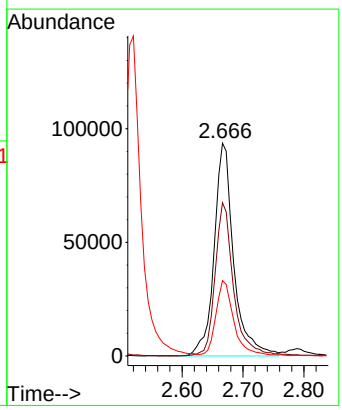


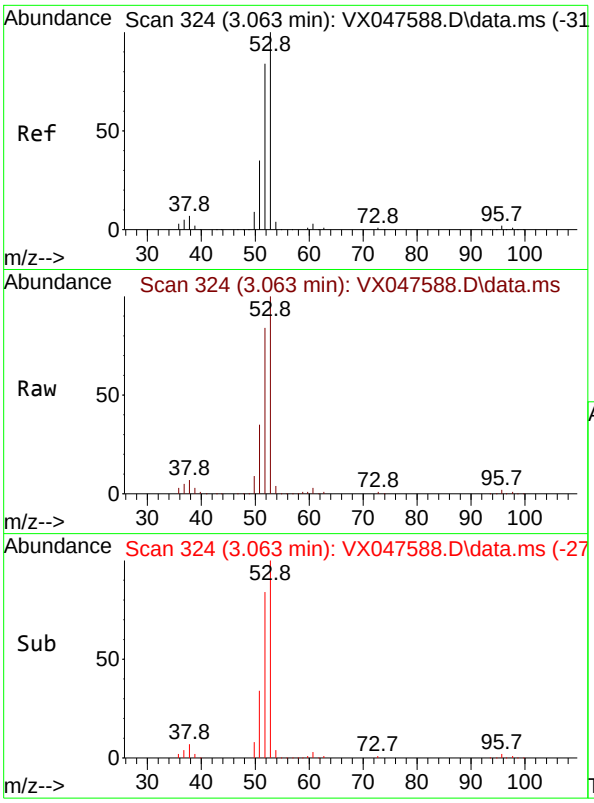


#14
Allyl chloride
Concen: 49.396 ug/l
RT: 2.666 min Scan# 259
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 41 Resp: 210001

Ion	Ratio	Lower	Upper
41	100		
39	68.4	54.7	82.1
76	32.1	25.7	38.5



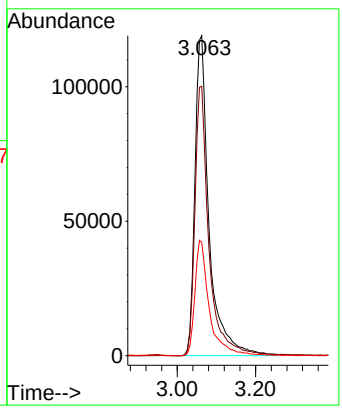


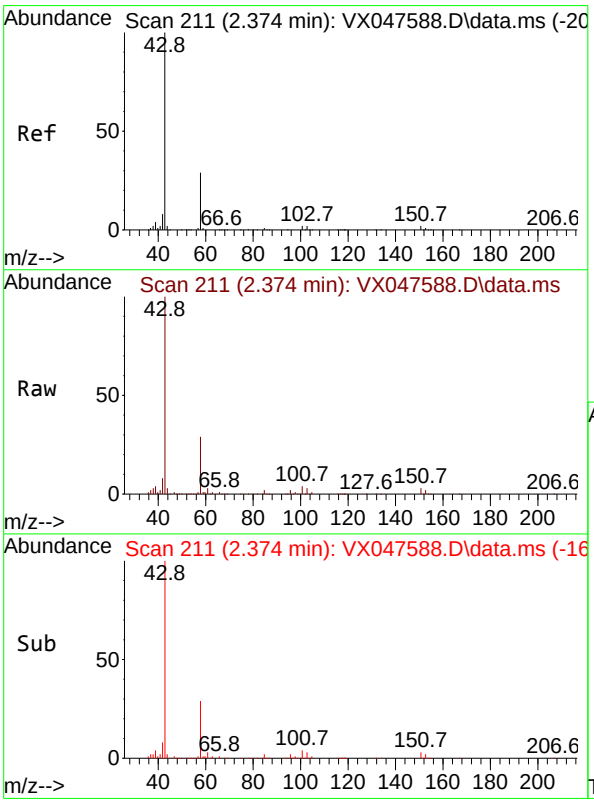
#15
Acrylonitrile
Concen: 264.027 ug/l
RT: 3.063 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 53 Resp: 300642

Ion	Ratio	Lower	Upper
53	100		
52	83.0	66.4	99.6
51	36.9	29.5	44.3

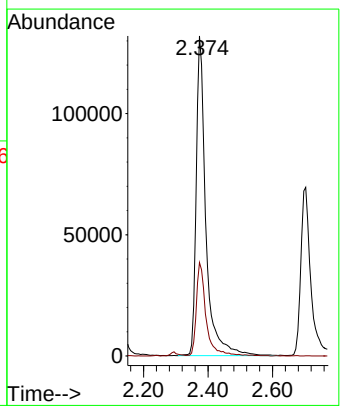


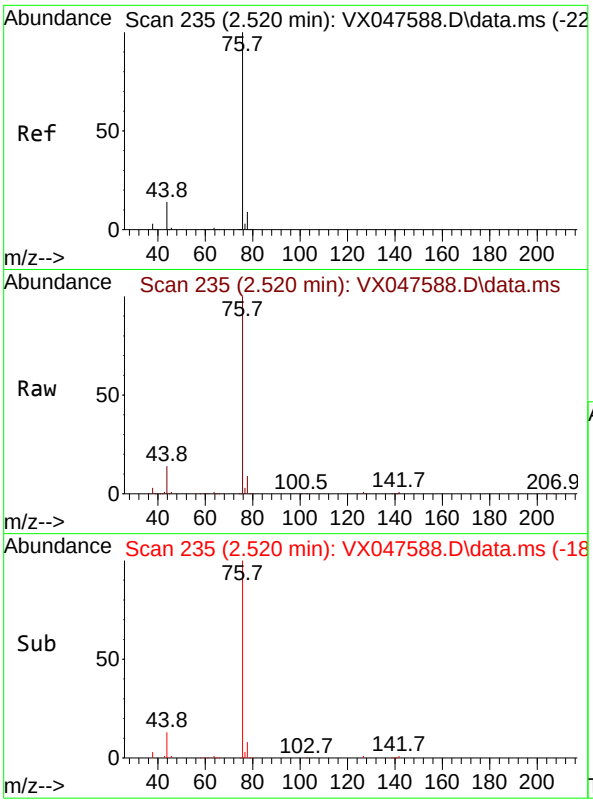


#16
Acetone
Concen: 229.193 ug/l
RT: 2.374 min Scan# 211
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 43 Resp: 275065

Ion	Ratio	Lower	Upper
43	100		
58	29.2	23.4	35.0



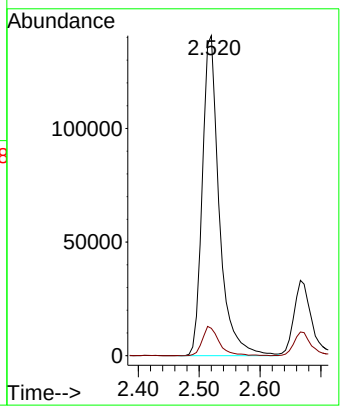


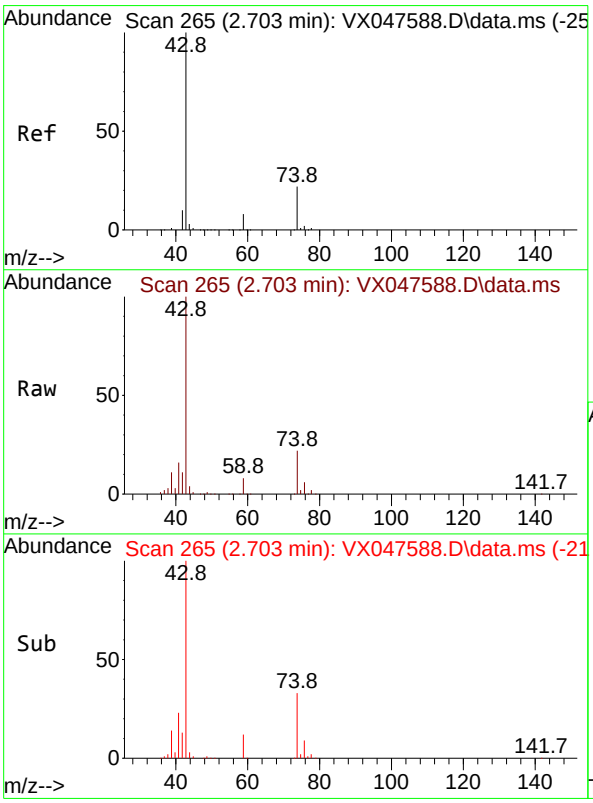
#17
Carbon Disulfide
Concen: 48.133 ug/l
RT: 2.520 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 76 Resp: 271480

Ion	Ratio	Lower	Upper
76	100		
78	8.5	6.8	10.2

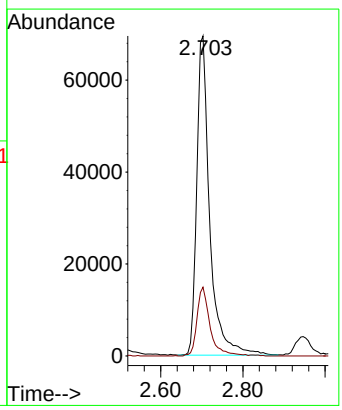


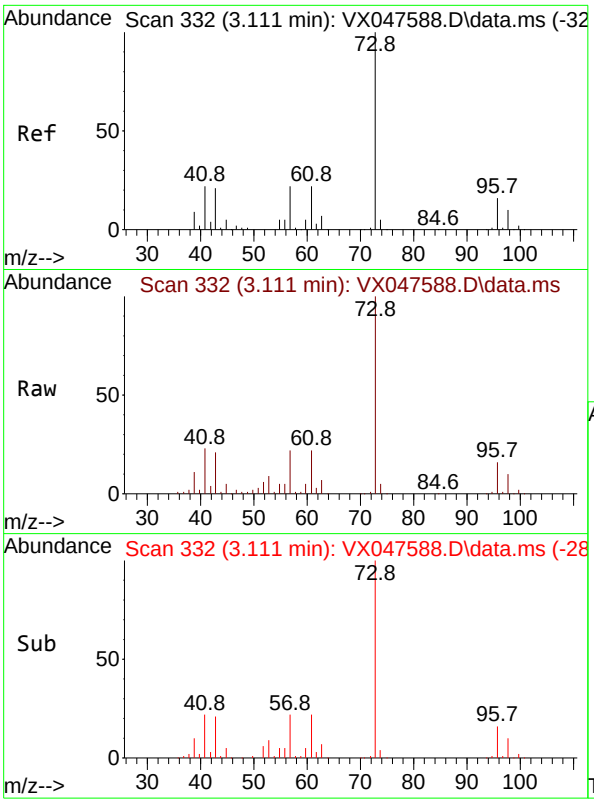


#18
Methyl Acetate
Concen: 56.897 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 43 Resp: 151968

Ion	Ratio	Lower	Upper
43	100		
74	21.8	17.4	26.2



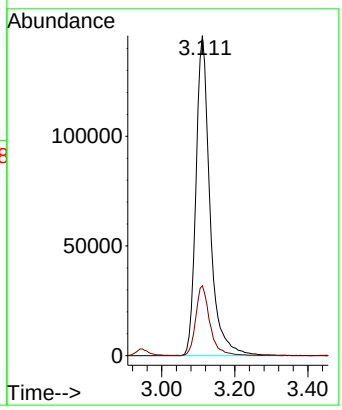


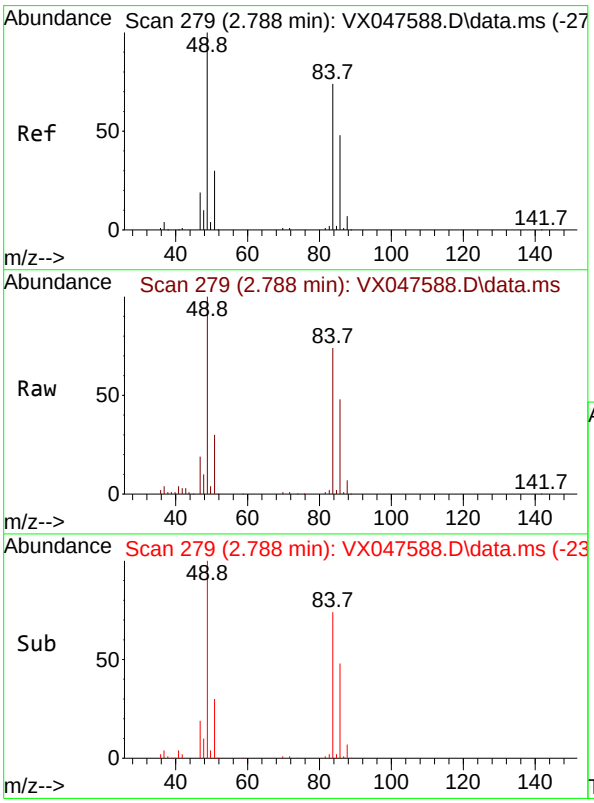
#19
Methyl tert-butyl Ether
Concen: 51.804 ug/l
RT: 3.111 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 73 Resp: 389607

Ion	Ratio	Lower	Upper
73	100		
57	21.8	17.4	26.2

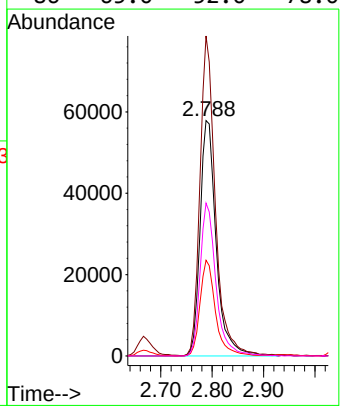


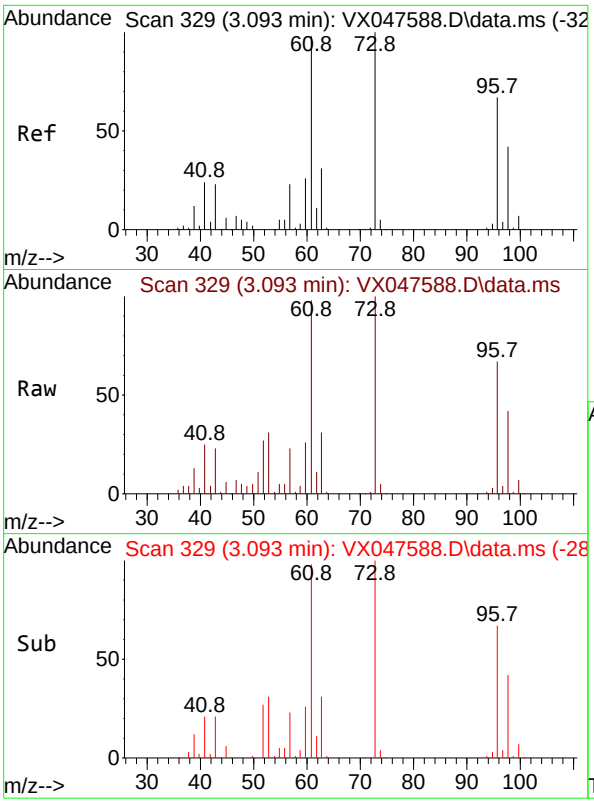


#20
Methylene Chloride
Concen: 49.798 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 84 Resp: 126506

Ion	Ratio	Lower	Upper
84	100		
49	135.7	108.6	162.8
51	40.7	32.6	48.8
86	65.0	52.0	78.0



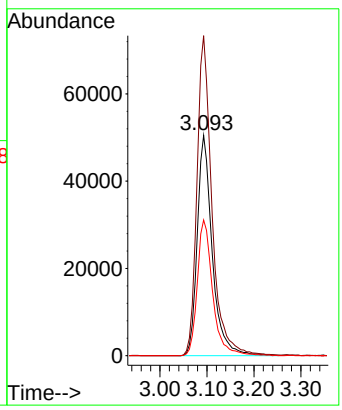


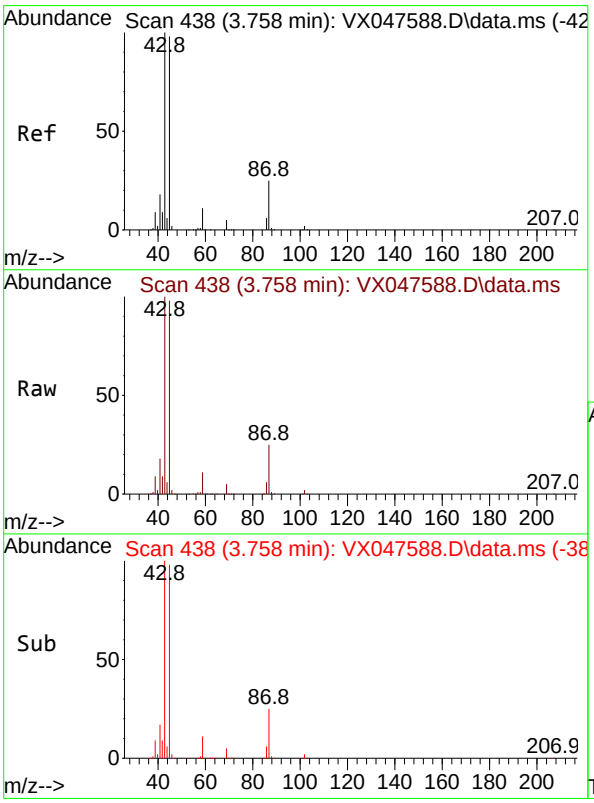
#21
trans-1,2-Dichloroethene
Concen: 50.743 ug/l
RT: 3.093 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 96 Resp: 112553

Ion	Ratio	Lower	Upper
96	100		
61	145.2	116.2	174.2
98	61.6	49.3	73.9

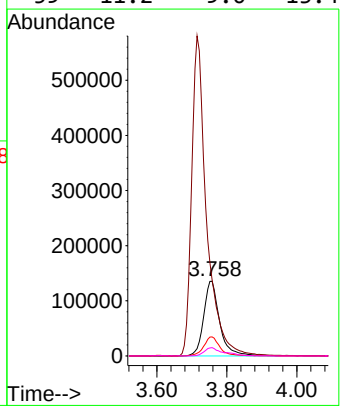


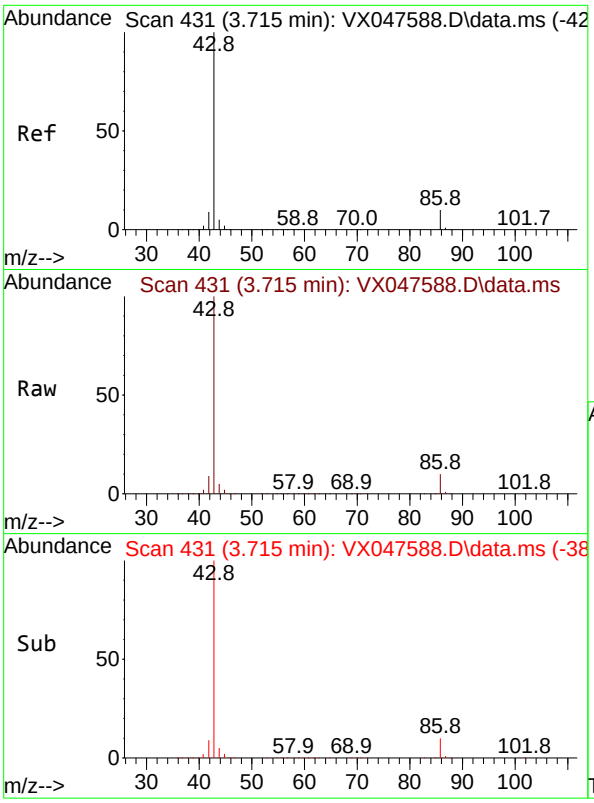


#22
Diisopropyl ether
Concen: 52.131 ug/l
RT: 3.758 min Scan# 438
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 45 Resp: 429524

Ion	Ratio	Lower	Upper
45	100		
43	101.2	81.0	121.4
87	25.4	20.3	30.5
59	11.2	9.0	13.4



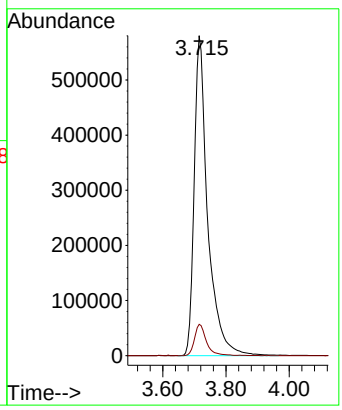


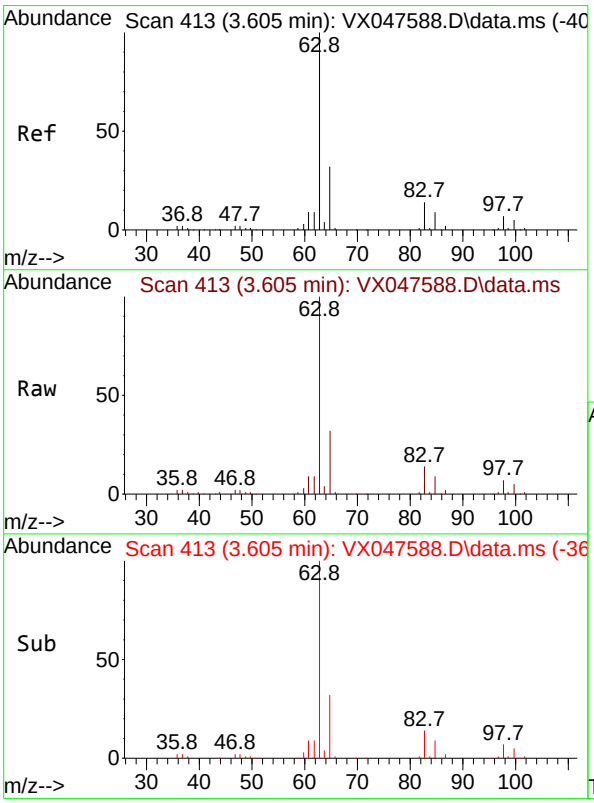
#23
Vinyl Acetate
Concen: 261.852 ug/l
RT: 3.715 min Scan# 4
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 1726735

Ion	Ratio	Lower	Upper
43	100		
86	9.8	7.8	11.8

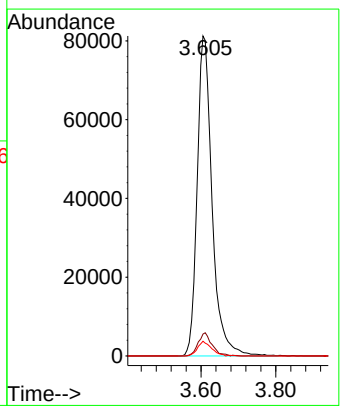


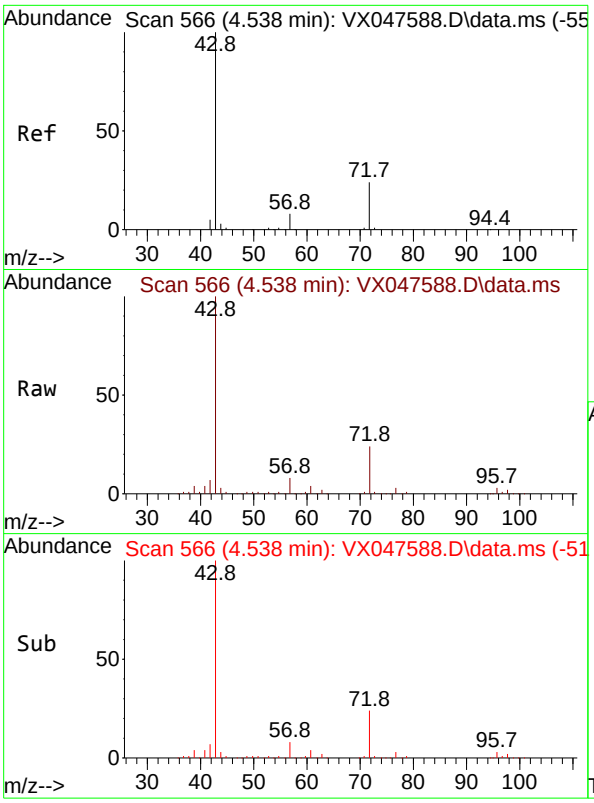


#24
1,1-Dichloroethane
Concen: 51.338 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 63 Resp: 224824

Ion	Ratio	Lower	Upper
63	100		
98	7.5	3.8	11.2
100	4.6	2.3	6.9



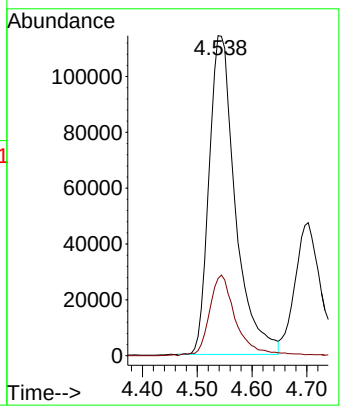


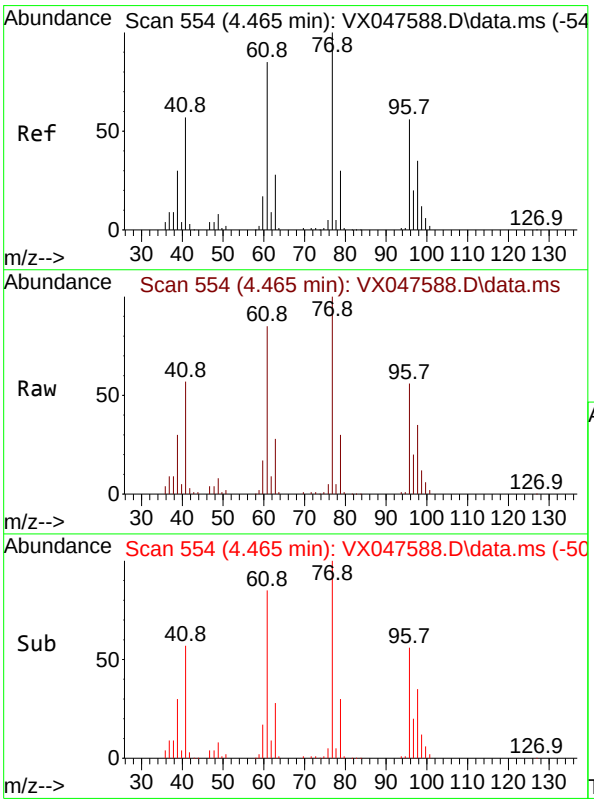
#25
2-Butanone
Concen: 254.060 ug/l
RT: 4.538 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 380335

Ion	Ratio	Lower	Upper
43	100		
72	25.1	20.1	30.1

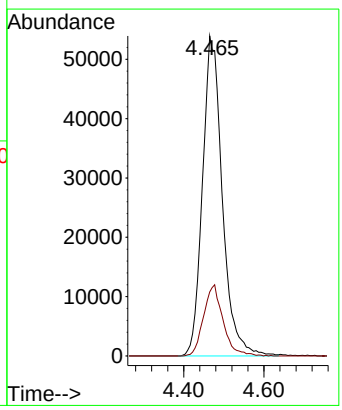


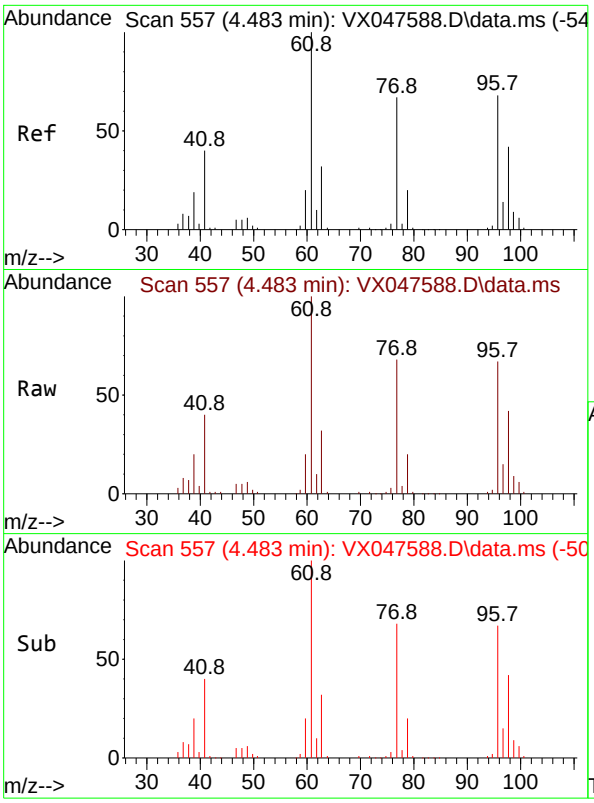


#26
2,2-Dichloropropane
Concen: 50.888 ug/l
RT: 4.465 min Scan# 554
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 77 Resp: 185247

Ion	Ratio	Lower	Upper
77	100		
97	21.8	10.9	32.7



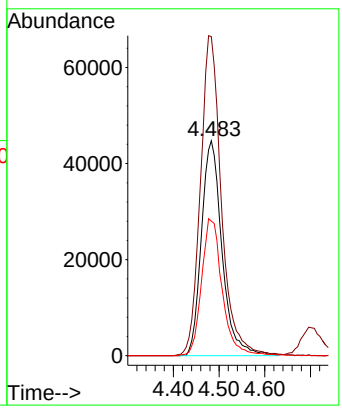


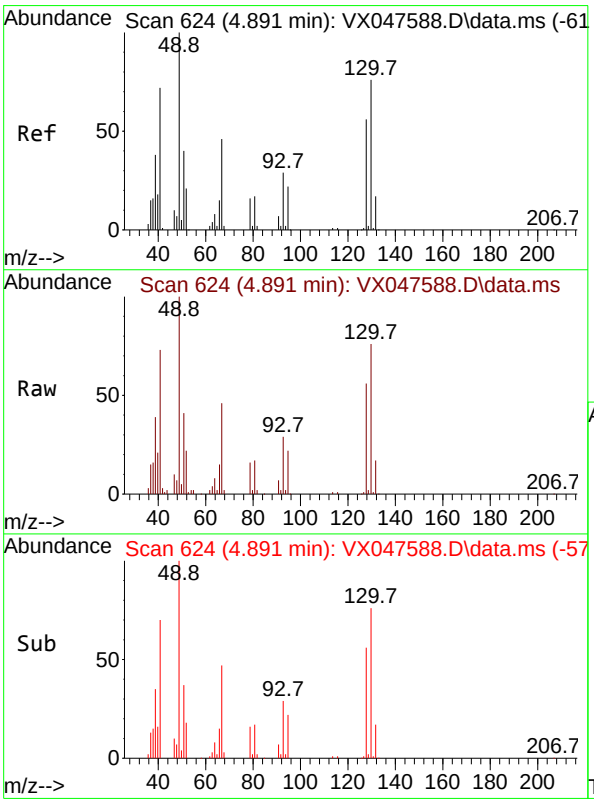
#27
cis-1,2-Dichloroethene
Concen: 51.576 ug/l
RT: 4.483 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 96 Resp: 140105

Ion	Ratio	Lower	Upper
96	100		
61	151.6	0.0	303.2
98	63.9	0.0	127.8

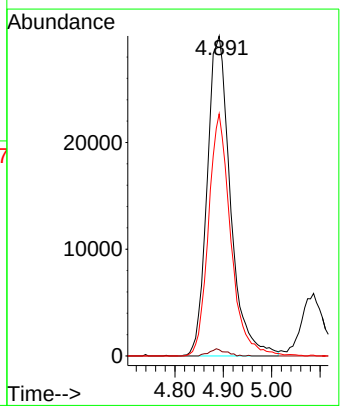


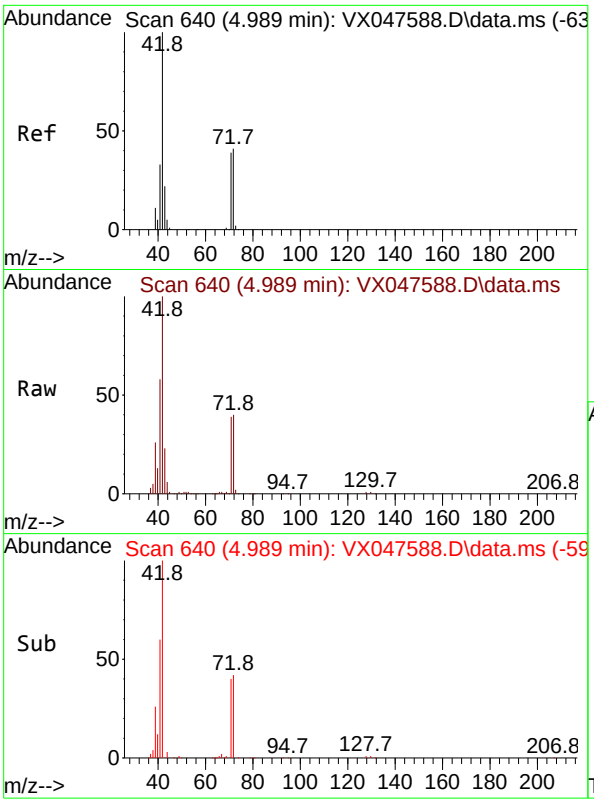


#28
Bromochloromethane
Concen: 52.301 ug/l
RT: 4.891 min Scan# 624
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 49 Resp: 99991

Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	3.2
130	72.3	57.8	86.8



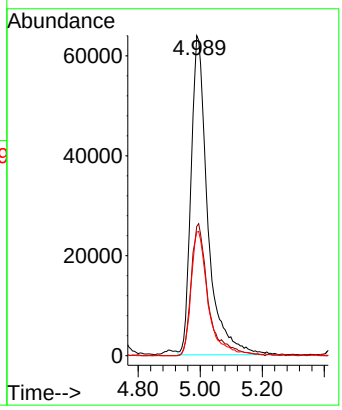


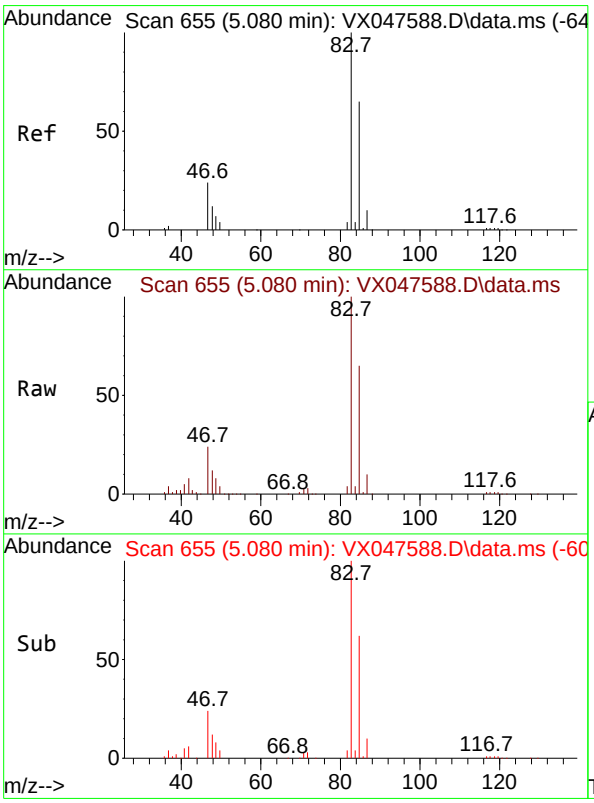
#29
Tetrahydrofuran
Concen: 265.026 ug/l
RT: 4.989 min Scan# 64
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 42 Resp: 238677

Ion	Ratio	Lower	Upper
42	100		
72	42.7	34.2	51.2
71	39.9	31.9	47.9

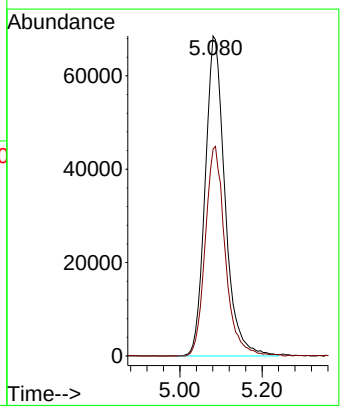


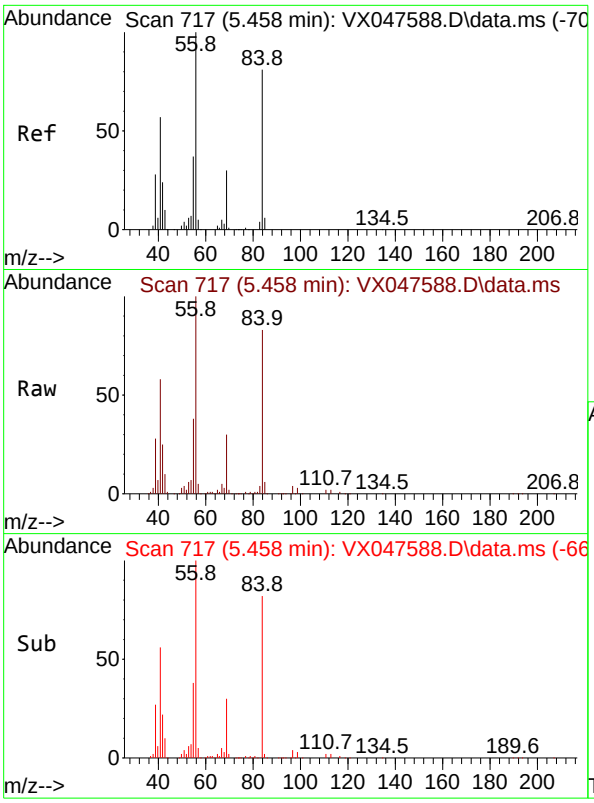


#30
Chloroform
Concen: 51.844 ug/l
RT: 5.080 min Scan# 655
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 83 Resp: 229430

Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.8	77.6



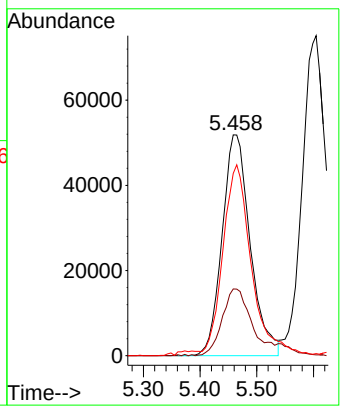


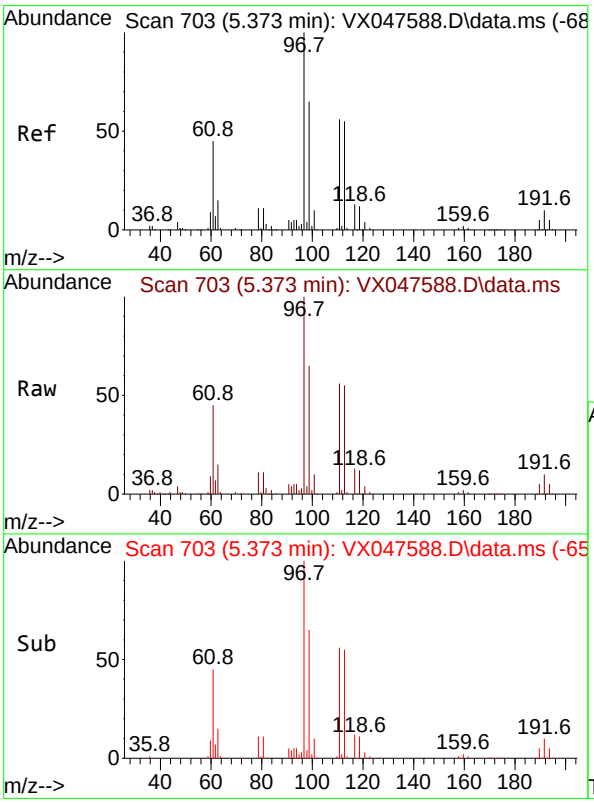
#31
Cyclohexane
Concen: 48.952 ug/l
RT: 5.458 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 56 Resp: 178546

Ion	Ratio	Lower	Upper
56	100		
69	29.8	23.8	35.8
84	80.8	64.6	97.0

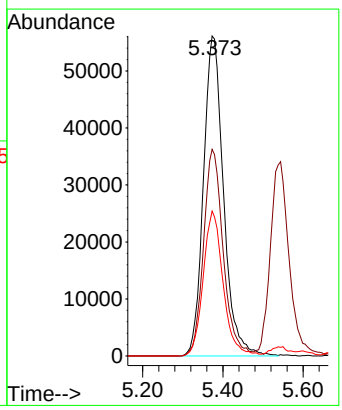


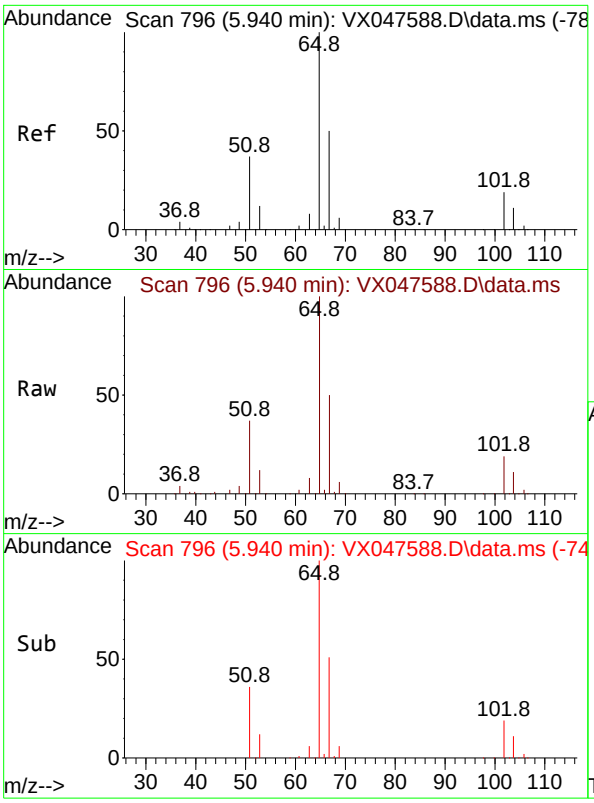


#32
1,1,1-Trichloroethane
Concen: 52.058 ug/l
RT: 5.373 min Scan# 703
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 97 Resp: 195407

Ion	Ratio	Lower	Upper
97	100		
99	63.3	50.6	76.0
61	44.8	35.8	53.8



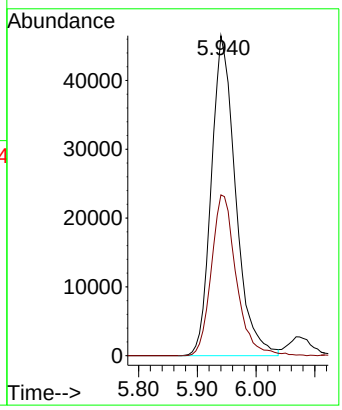


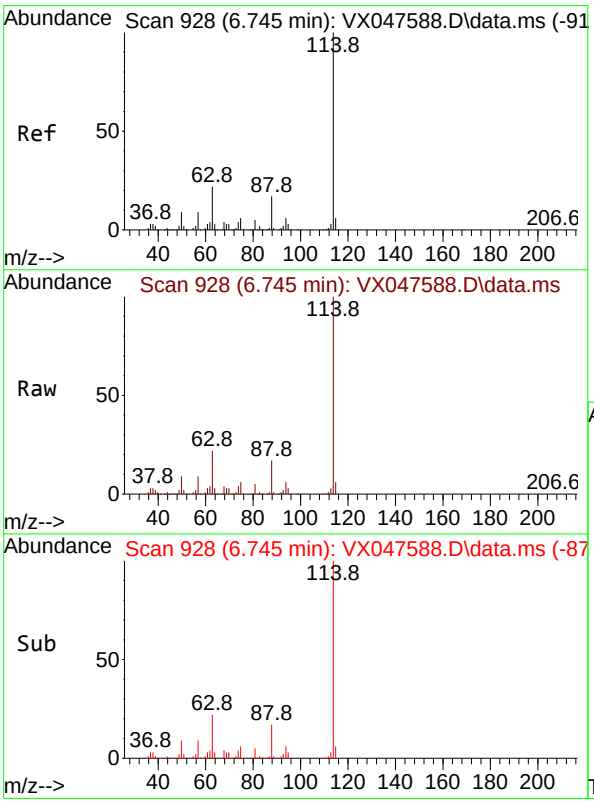
#33
1,2-Dichloroethane-d4
Concen: 48.404 ug/l
RT: 5.940 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 65 Resp: 133606

Ion	Ratio	Lower	Upper
65	100		
67	51.5	0.0	103.0

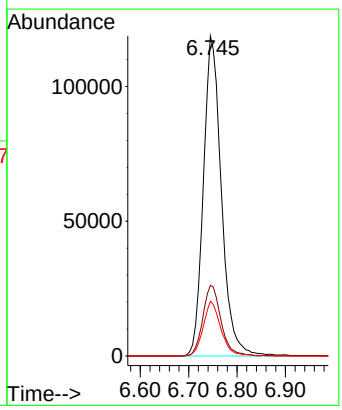


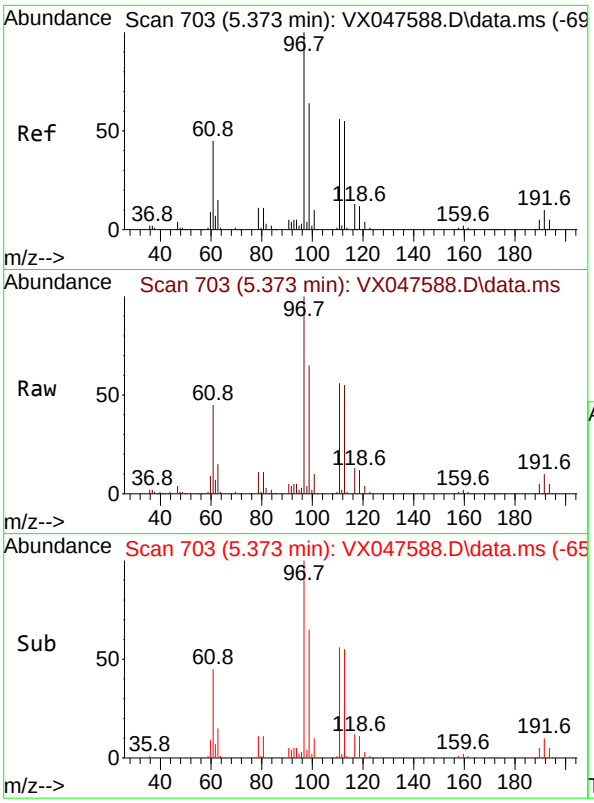


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 928
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:114 Resp: 307383

Ion	Ratio	Lower	Upper
114	100		
63	22.0	0.0	44.0
88	17.1	0.0	34.2



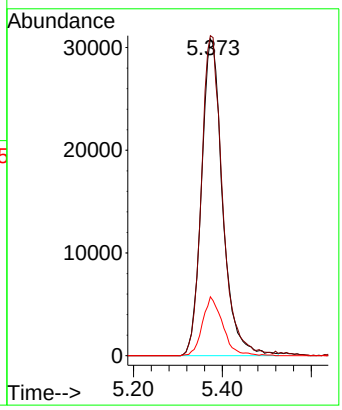


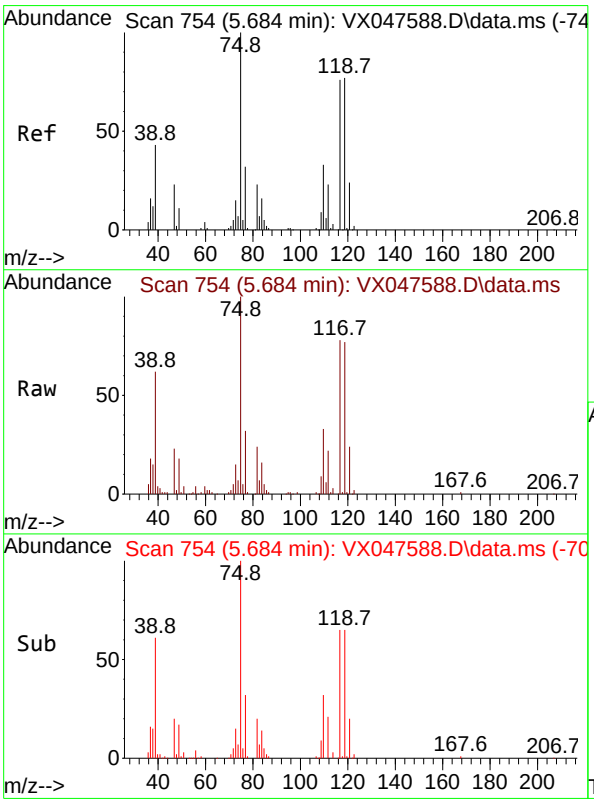
#35
Dibromofluoromethane
Concen: 49.298 ug/l
RT: 5.373 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:113 Resp: 101627

Ion	Ratio	Lower	Upper
113	100		
111	101.1	80.9	121.3
192	17.8	14.2	21.4

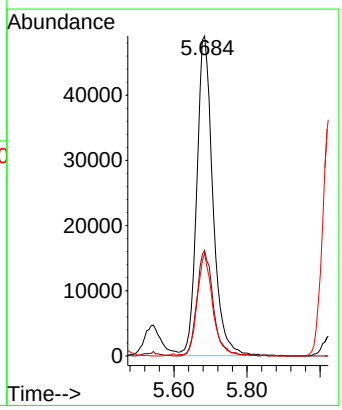


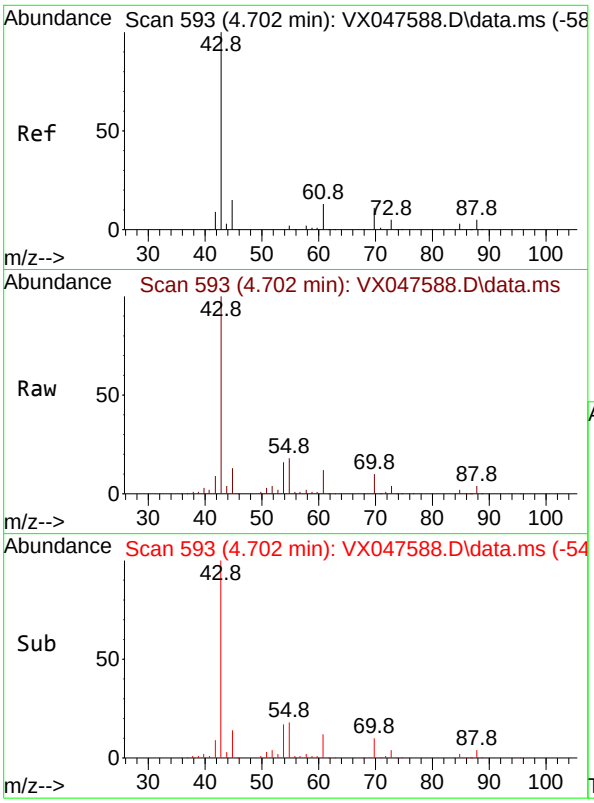


#36
1,1-Dichloropropene
Concen: 49.729 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 75 Resp: 149800

Ion	Ratio	Lower	Upper
75	100		
110	33.4	16.7	50.1
77	30.4	24.3	36.5



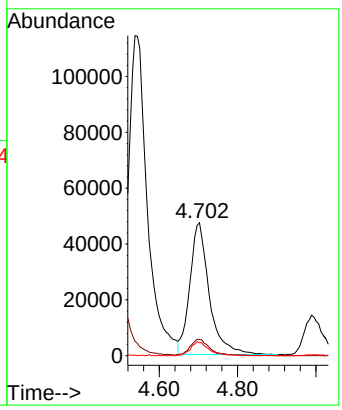


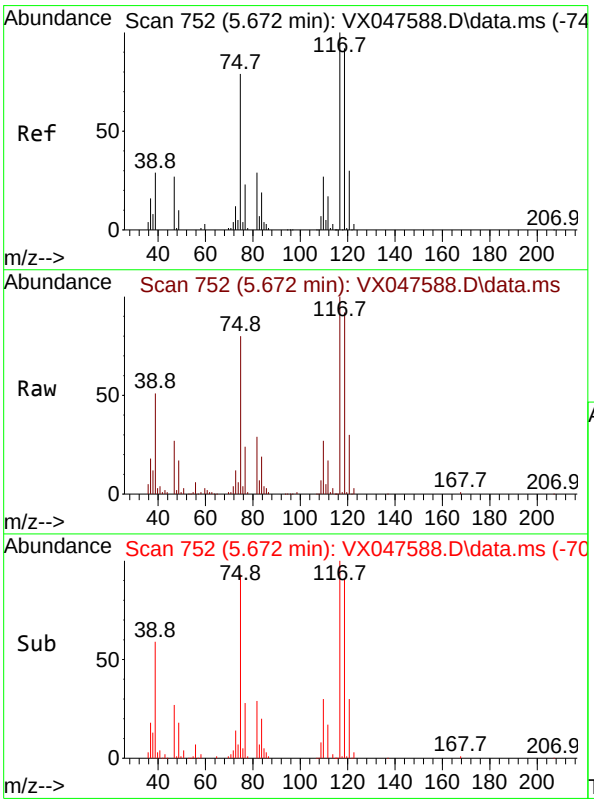
#37
Ethyl Acetate
Concen: 50.687 ug/l
RT: 4.702 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 163482

Ion	Ratio	Lower	Upper
43	100		
61	12.3	9.8	14.8
70	9.9	7.9	11.9

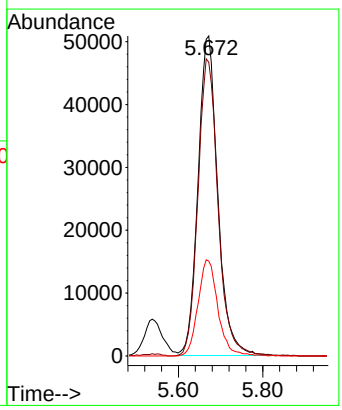


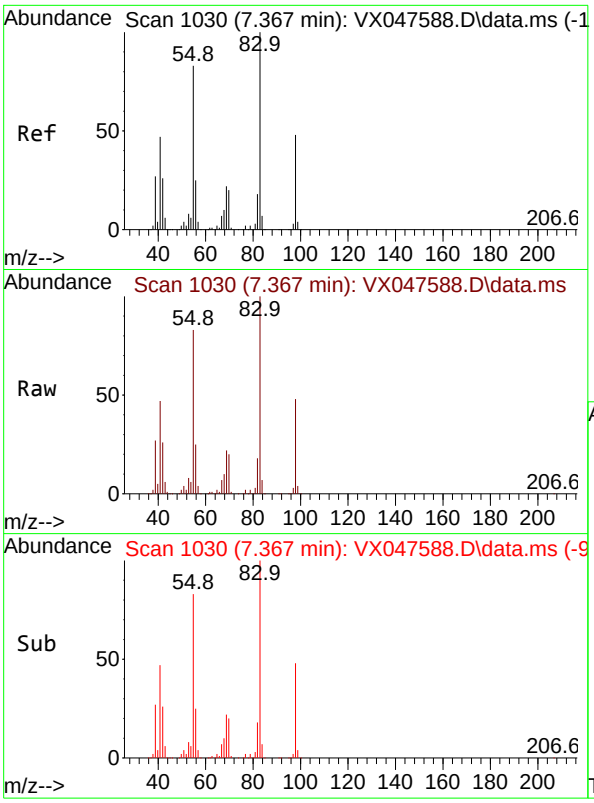


#38
Carbon Tetrachloride
Concen: 50.637 ug/l
RT: 5.672 min Scan# 752
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:117 Resp: 165730

Ion	Ratio	Lower	Upper
117	100		
119	91.8	73.4	110.2
121	29.7	23.8	35.6



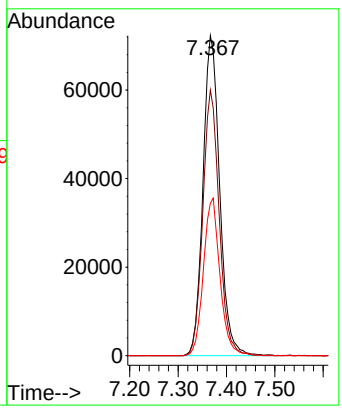


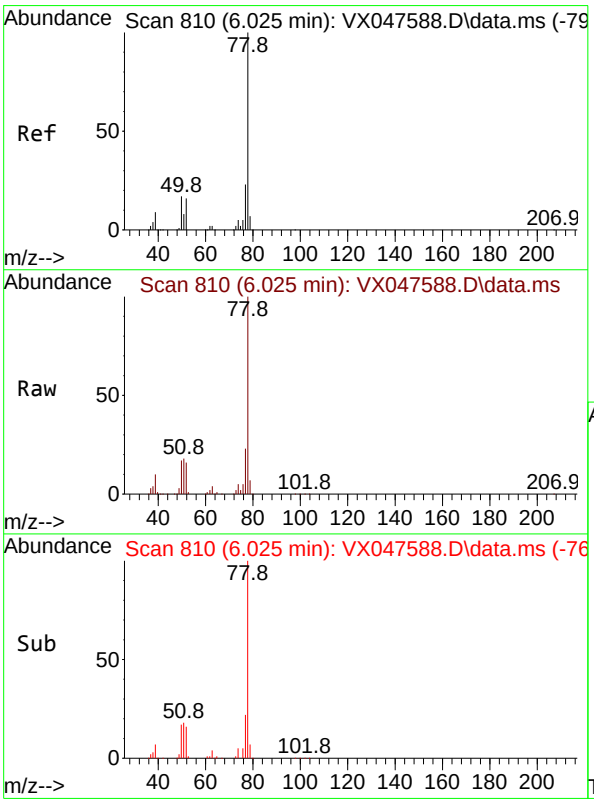
#39
Methylcyclohexane
Concen: 50.773 ug/l
RT: 7.367 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 83 Resp: 173610

Ion	Ratio	Lower	Upper
83	100		
55	83.0	66.4	99.6
98	47.6	38.1	57.1

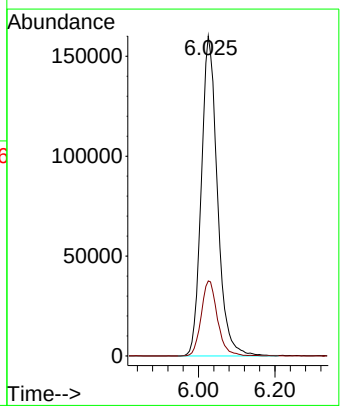


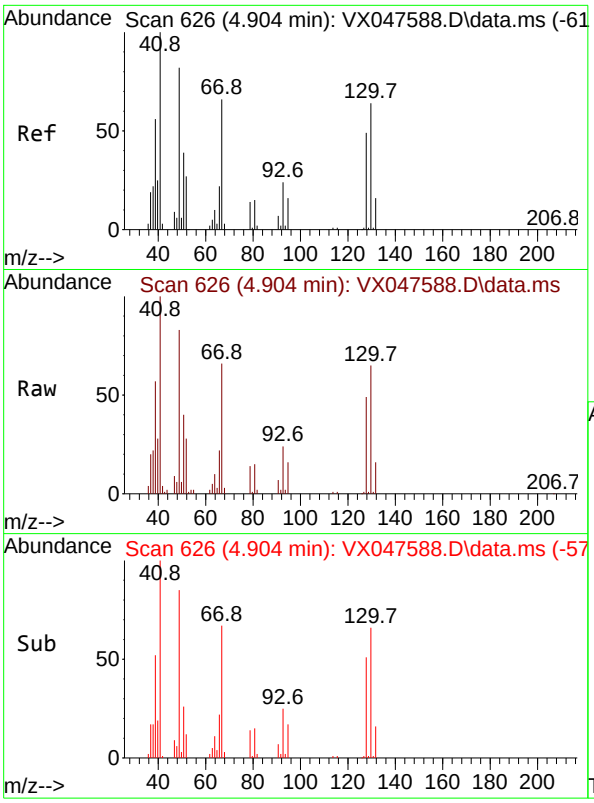


#40
Benzene
Concen: 51.167 ug/l
RT: 6.025 min Scan# 810
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 78 Resp: 468136

Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.8	28.2



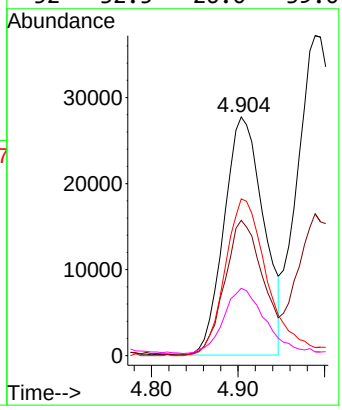


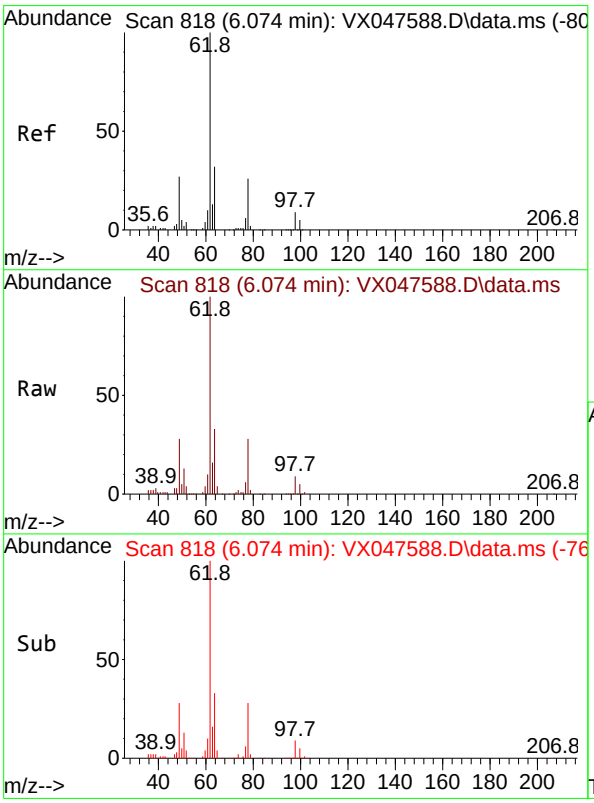
#41
Methacrylonitrile
Concen: 52.707 ug/l
RT: 4.904 min Scan# 6
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 41 Resp: 87761

Ion	Ratio	Lower	Upper
41	100		
39	54.1	43.3	64.9
67	73.2	58.6	87.8
52	32.5	26.0	39.0

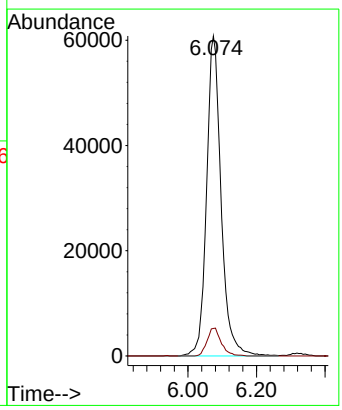


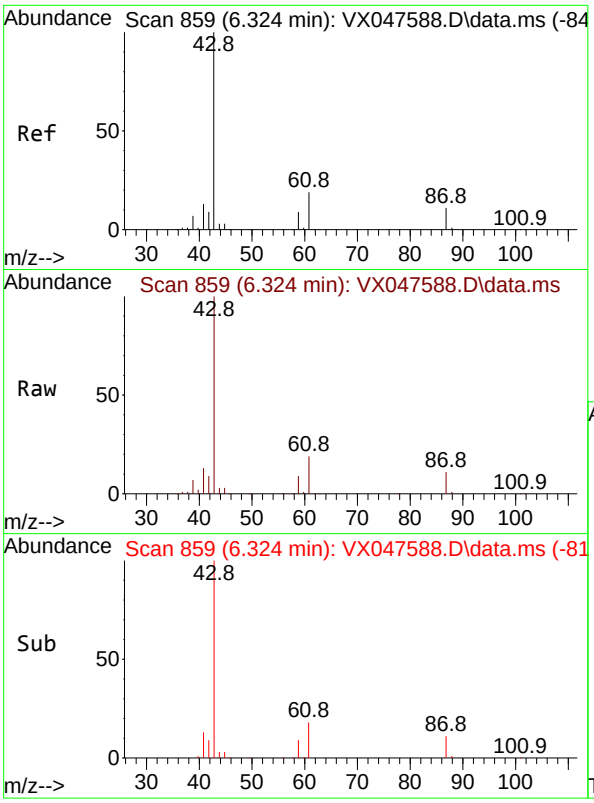


#42
1,2-Dichloroethane
Concen: 51.431 ug/l
RT: 6.074 min Scan# 818
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 62 Resp: 179037

Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	17.0



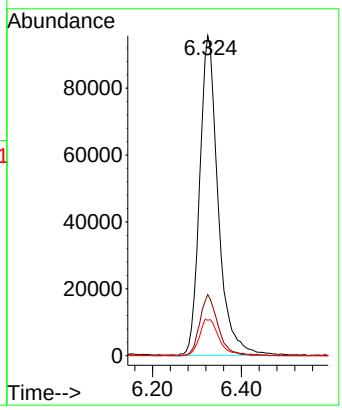


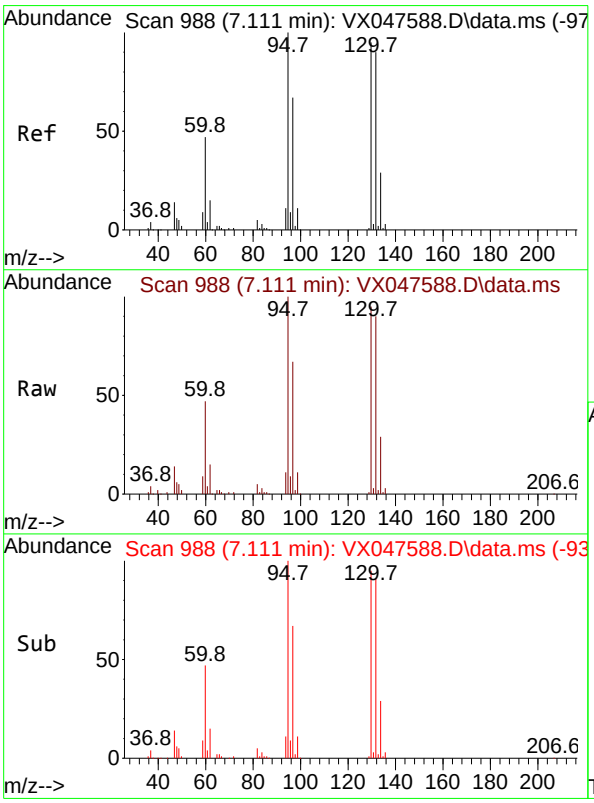
#43
Isopropyl Acetate
Concen: 52.096 ug/l
RT: 6.324 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 275572

Ion	Ratio	Lower	Upper
43	100		
61	19.0	15.2	22.8
87	12.0	9.6	14.4

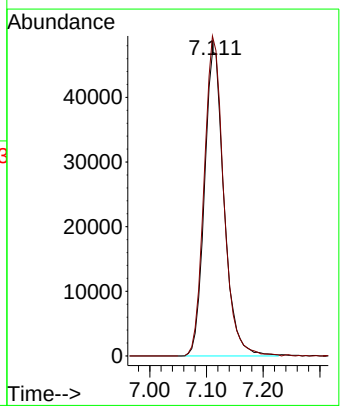


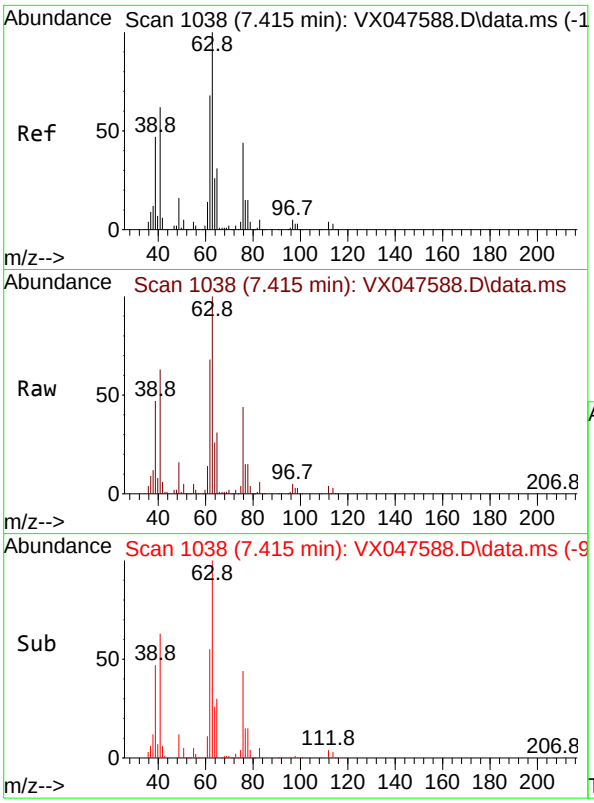


#44
Trichloroethene
Concen: 51.463 ug/l
RT: 7.111 min Scan# 988
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:130 Resp: 113832

Ion	Ratio	Lower	Upper
130	100		
95	105.4	0.0	210.8



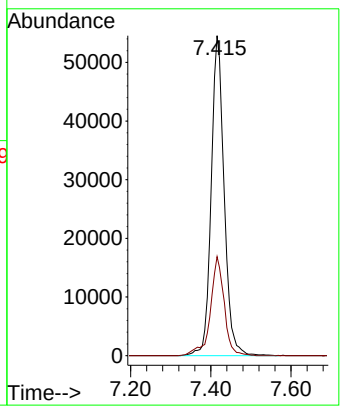


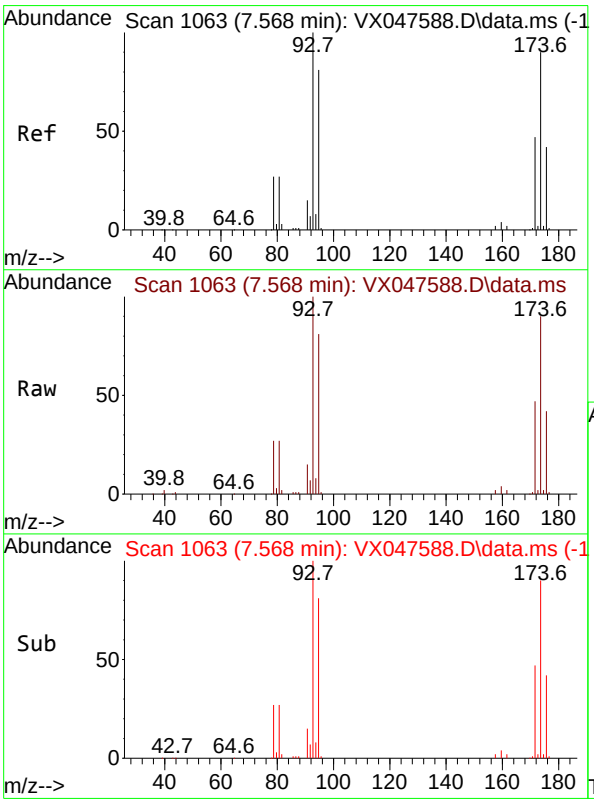
#45
1,2-Dichloropropane
Concen: 52.122 ug/l
RT: 7.415 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 63 Resp: 122109

Ion	Ratio	Lower	Upper
63	100		
65	30.9	24.7	37.1

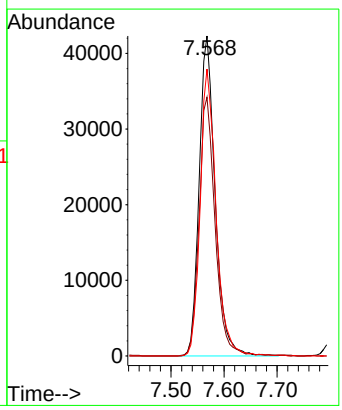


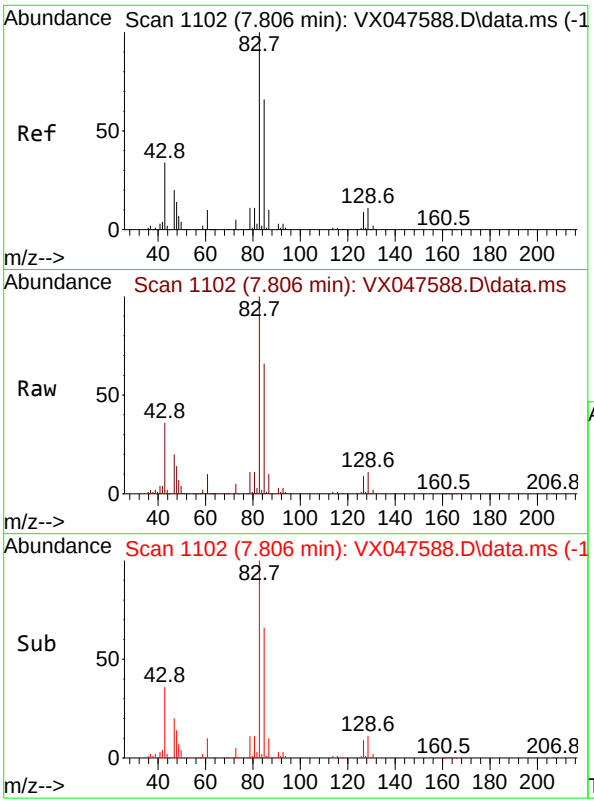


#46
Dibromomethane
Concen: 51.914 ug/l
RT: 7.568 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 93 Resp: 88505

Ion	Ratio	Lower	Upper
93	100		
95	81.3	65.0	97.6
174	89.5	71.6	107.4



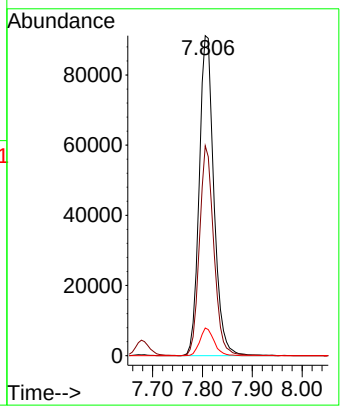


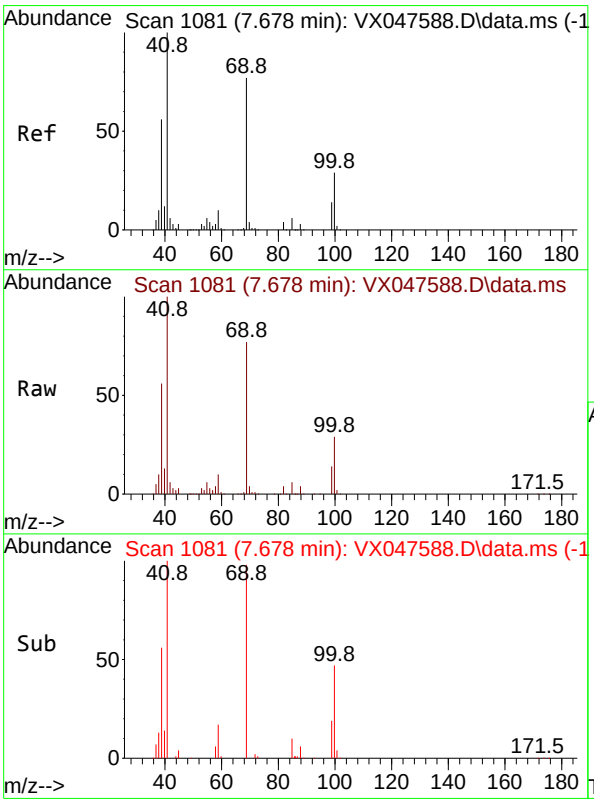
#47
Bromodichloromethane
Concen: 53.025 ug/l
RT: 7.806 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 83 Resp: 186540

Ion	Ratio	Lower	Upper
83	100		
85	65.6	52.5	78.7
127	8.6	6.9	10.3

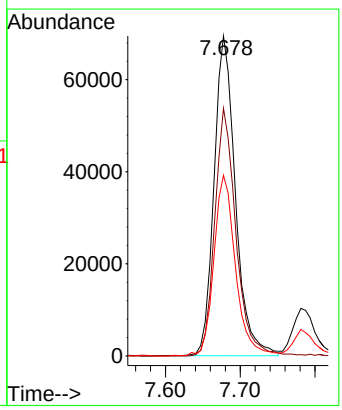


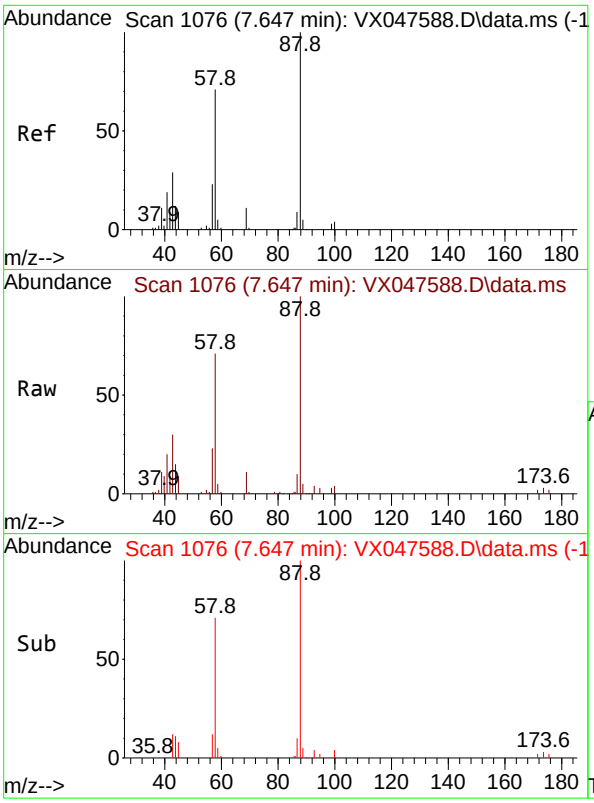


#48
Methyl methacrylate
Concen: 52.438 ug/l
RT: 7.678 min Scan# 1081
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 41 Resp: 138167

Ion	Ratio	Lower	Upper
41	100		
69	76.8	61.4	92.2
39	57.2	45.8	68.6



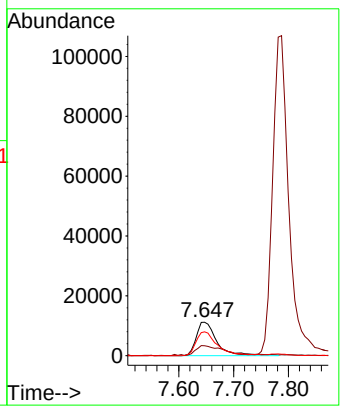


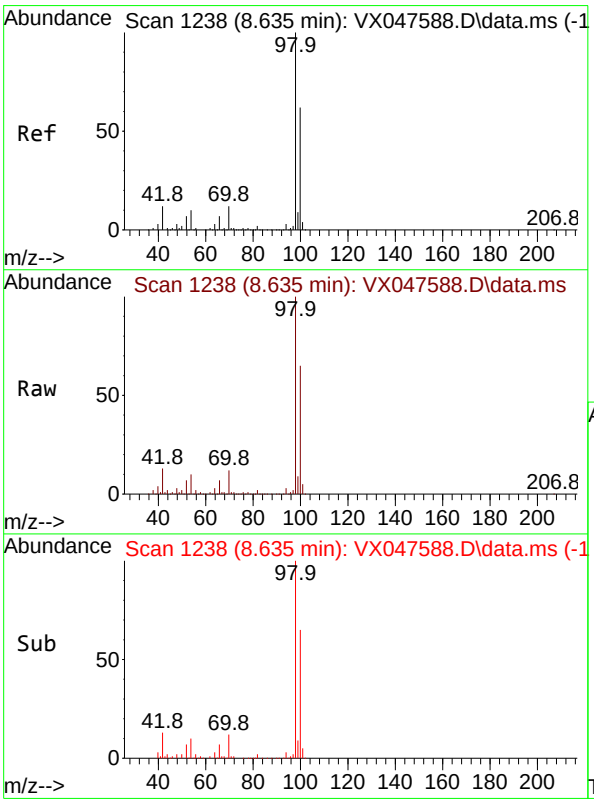
#49
1,4-Dioxane
Concen: 1107.698 ug/l
RT: 7.647 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 88 Resp: 29496

Ion	Ratio	Lower	Upper
88	100		
43	37.7	30.2	45.2
58	74.4	59.5	89.3

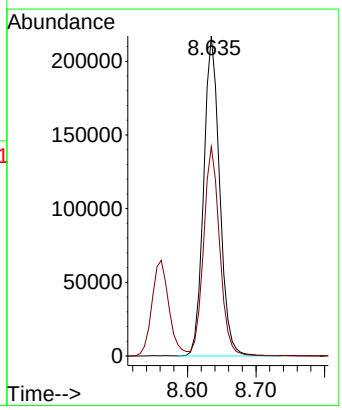


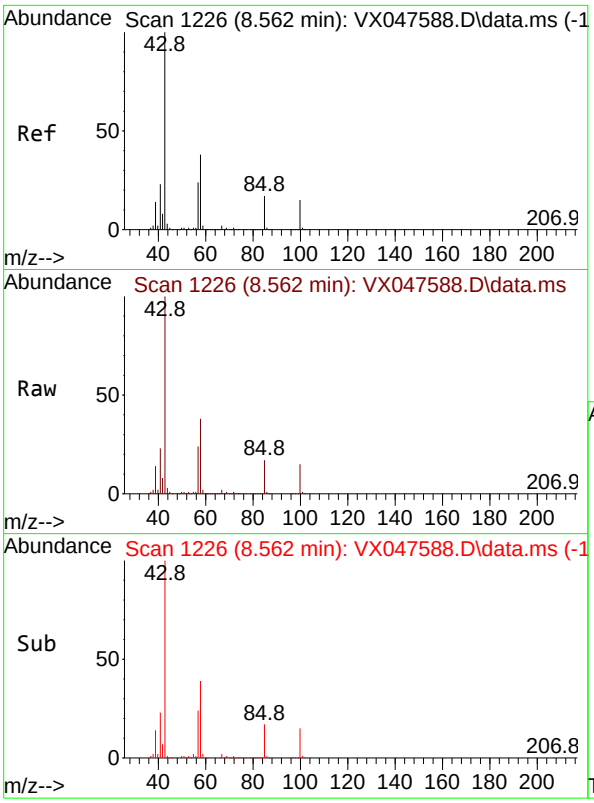


#50
Toluene-d8
Concen: 49.428 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 98 Resp: 352578

Ion	Ratio	Lower	Upper
98	100		
100	66.2	53.0	79.4



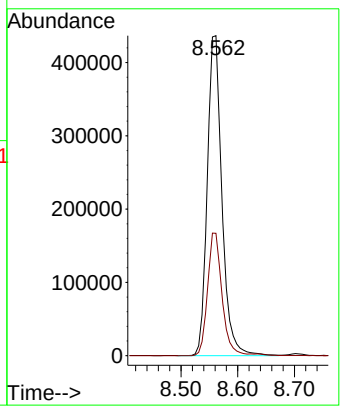


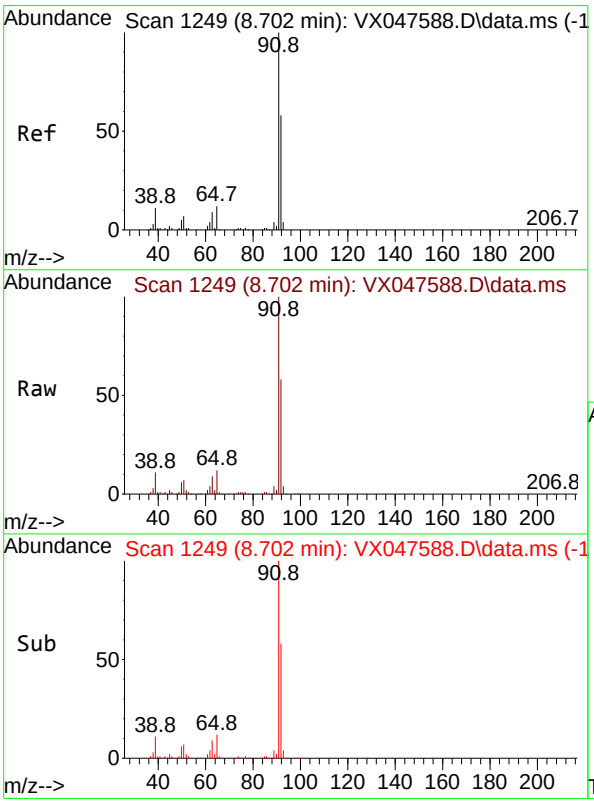
#51
4-Methyl-2-Pentanone
Concen: 267.650 ug/l
RT: 8.562 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 784978

Ion	Ratio	Lower	Upper
43	100		
58	37.9	30.3	45.5

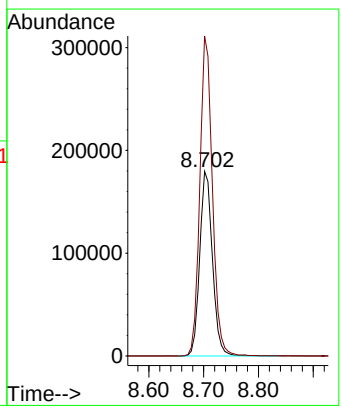


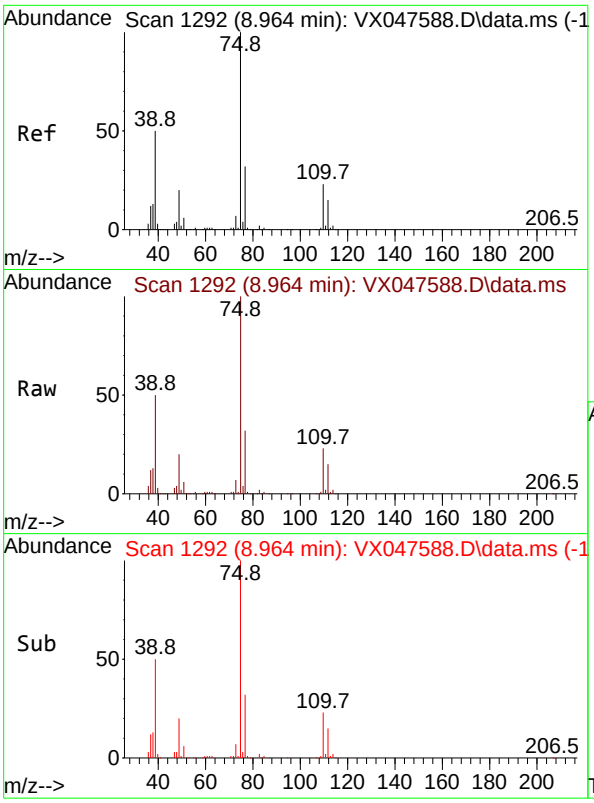


#52
Toluene
Concen: 51.244 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 92 Resp: 288853

Ion	Ratio	Lower	Upper
92	100		
91	171.4	137.1	205.7



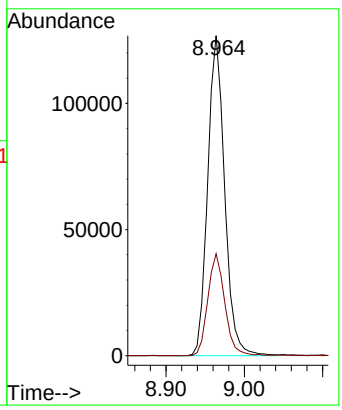


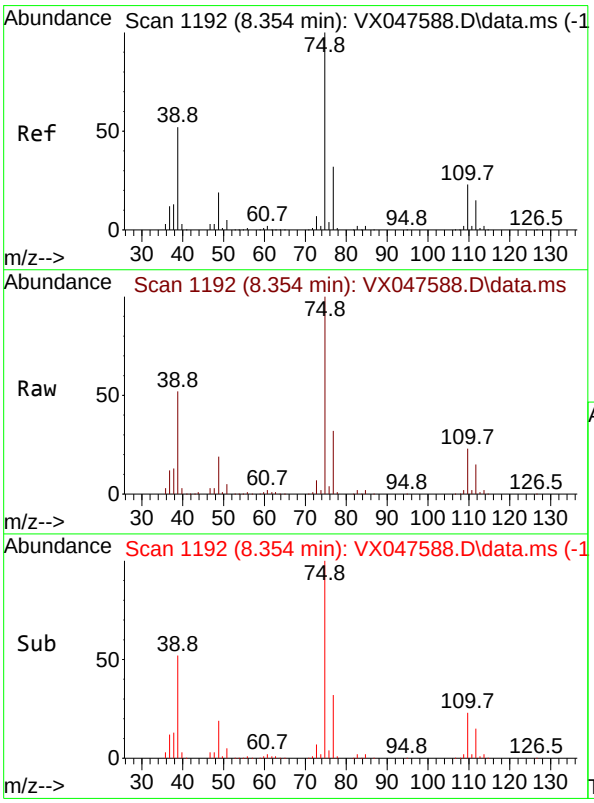
#53
t-1,3-Dichloropropene
Concen: 53.027 ug/l
RT: 8.964 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 75 Resp: 190282

Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.4	38.2

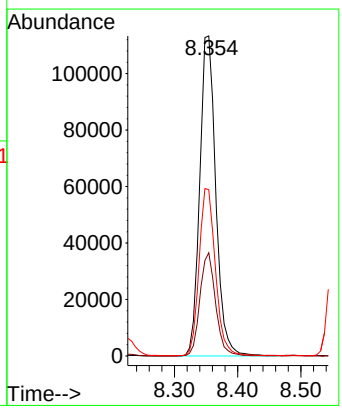


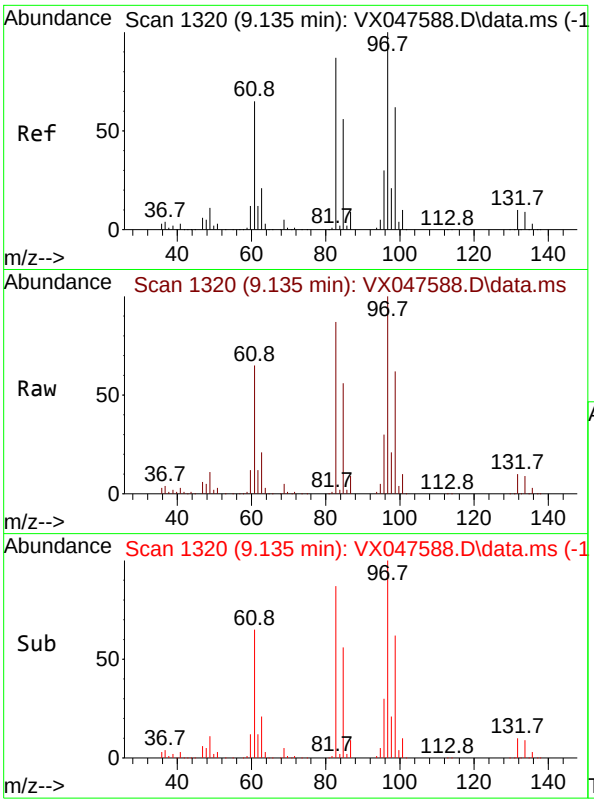


#54
cis-1,3-Dichloropropene
Concen: 52.369 ug/l
RT: 8.354 min Scan# 1192
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 75 Resp: 200859

Ion	Ratio	Lower	Upper
75	100		
77	32.2	25.8	38.6
39	51.8	41.4	62.2



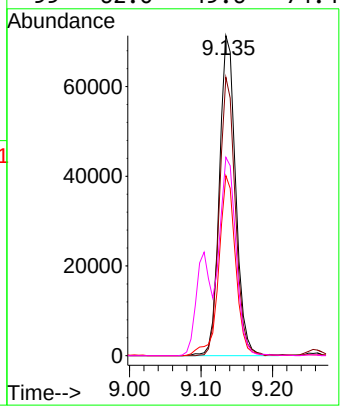


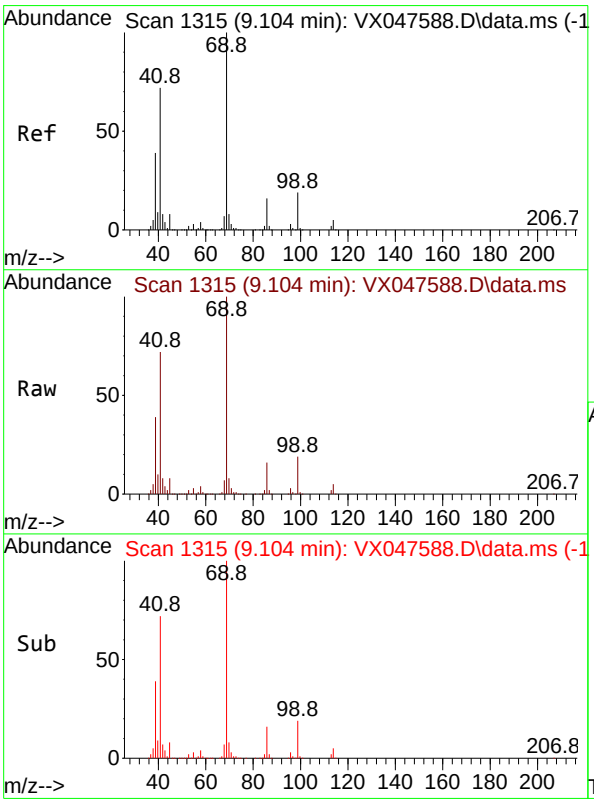
#55
1,1,2-Trichloroethane
Concen: 51.915 ug/l
RT: 9.135 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 97 Resp: 112837

Ion	Ratio	Lower	Upper
97	100		
83	87.0	69.6	104.4
85	56.3	45.0	67.6
99	62.0	49.6	74.4

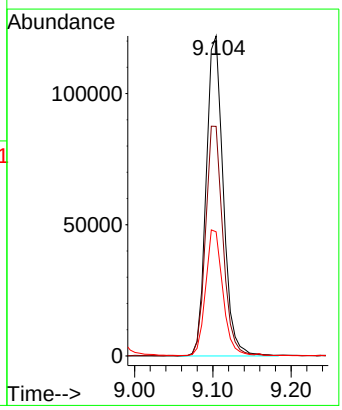


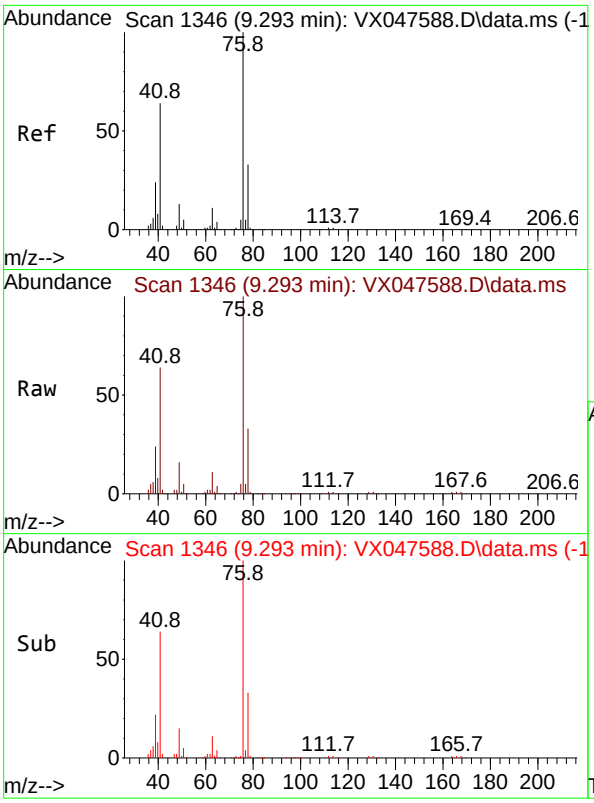


#56
Ethyl methacrylate
Concen: 53.930 ug/l
RT: 9.104 min Scan# 1315
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 69 Resp: 184087

Ion	Ratio	Lower	Upper
69	100		
41	73.2	58.6	87.8
39	39.4	31.5	47.3



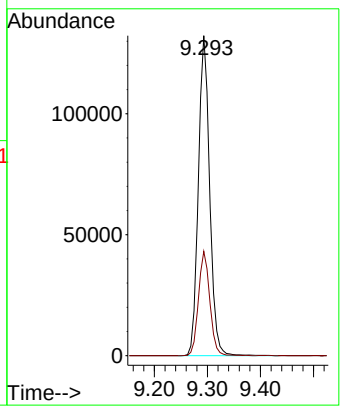


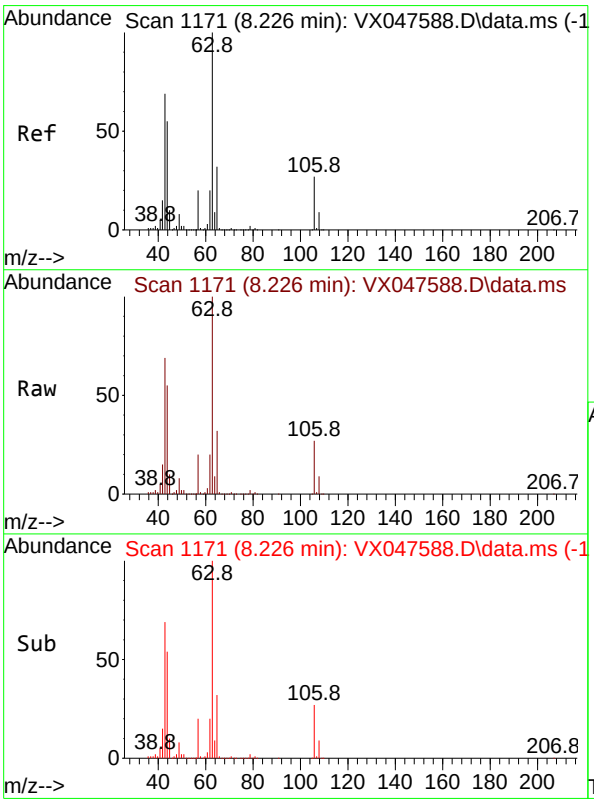
#57
1,3-Dichloropropane
Concen: 52.492 ug/l
RT: 9.293 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 76 Resp: 195989

Ion	Ratio	Lower	Upper
76	100		
78	32.8	26.2	39.4

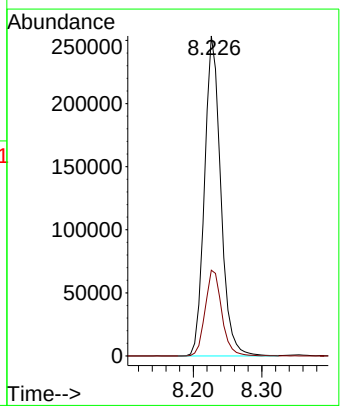


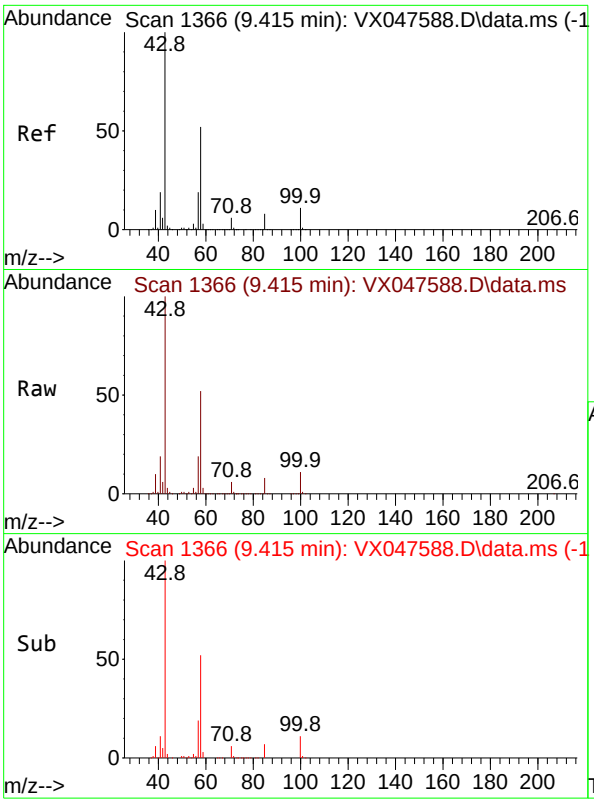


#58
2-Chloroethyl Vinyl ether
Concen: 256.309 ug/l
RT: 8.226 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 63 Resp: 418707

Ion	Ratio	Lower	Upper
63	100		
106	27.4	21.9	32.9



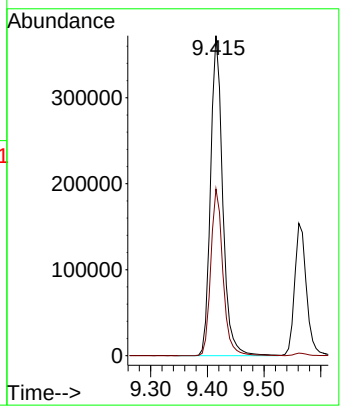


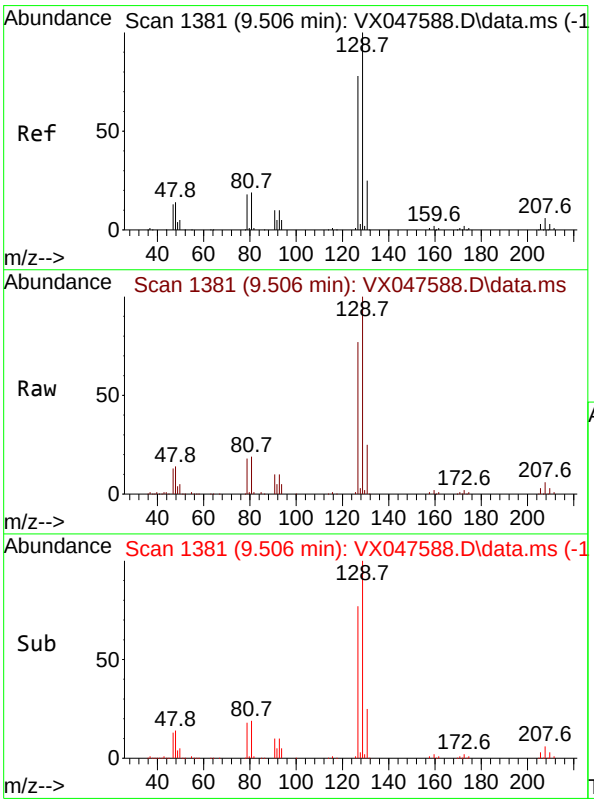
#59
2-Hexanone
Concen: 262.683 ug/l
RT: 9.415 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 553313

Ion	Ratio	Lower	Upper
43	100		
58	52.1	26.1	78.2

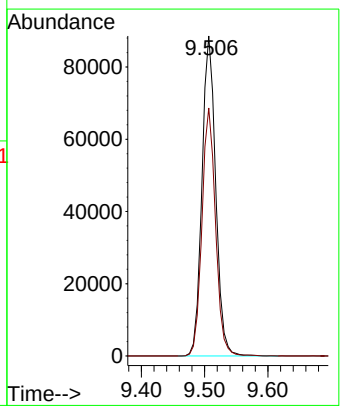


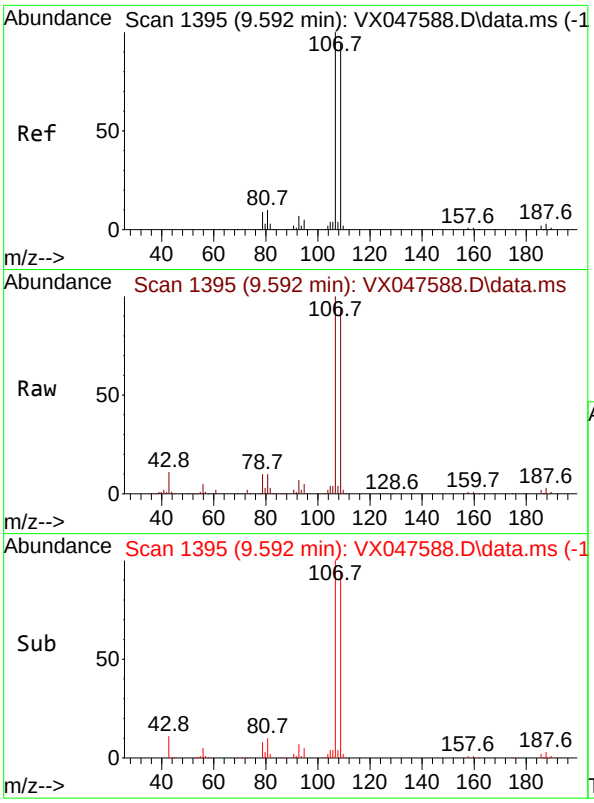


#60
Dibromochloromethane
Concen: 53.401 ug/l
RT: 9.506 min Scan# 1381
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:129 Resp: 133737

Ion	Ratio	Lower	Upper
129	100		
127	76.8	38.4	115.2



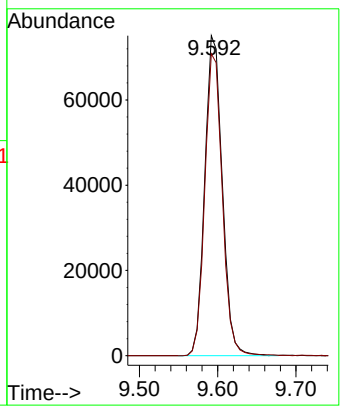


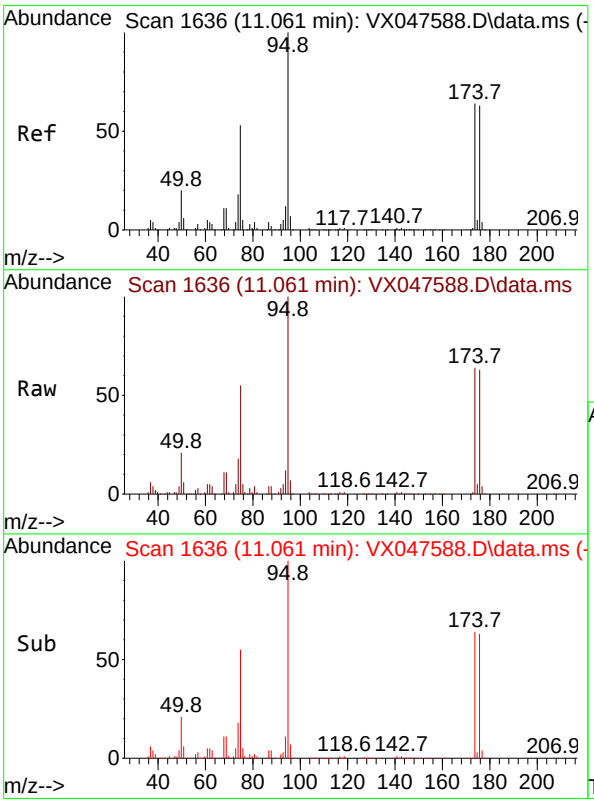
#61
1,2-Dibromoethane
Concen: 52.607 ug/l
RT: 9.592 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:107 Resp: 116462

Ion	Ratio	Lower	Upper
107	100		
109	94.1	75.3	112.9

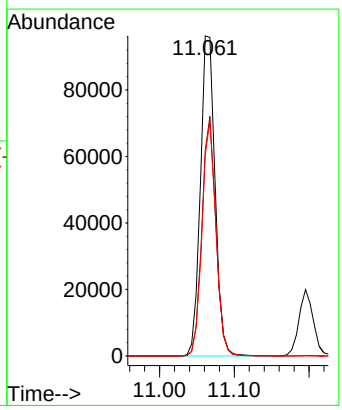


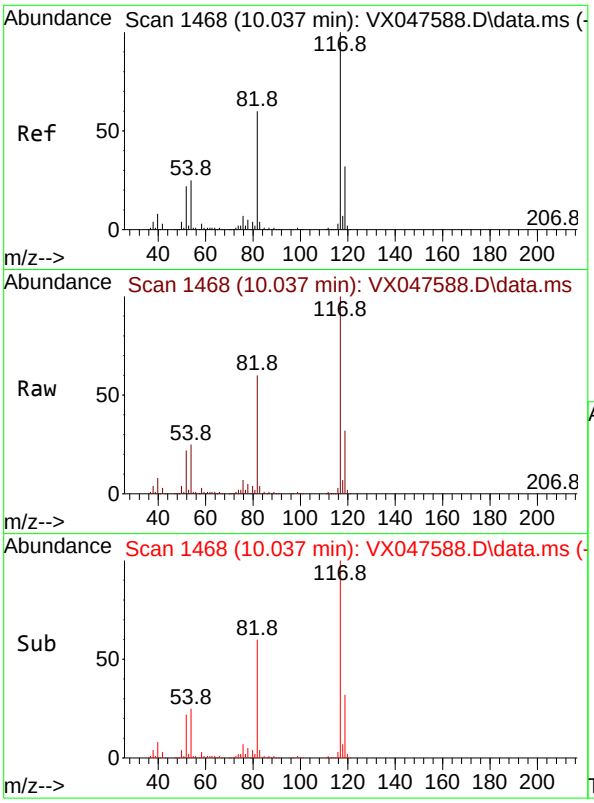


#62
4-Bromofluorobenzene
Concen: 48.471 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 95 Resp: 131217

Ion	Ratio	Lower	Upper
95	100		
174	70.8	0.0	141.6
176	69.2	0.0	138.4



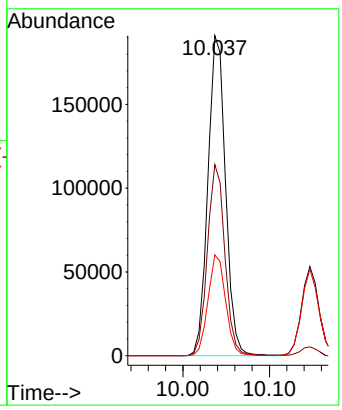


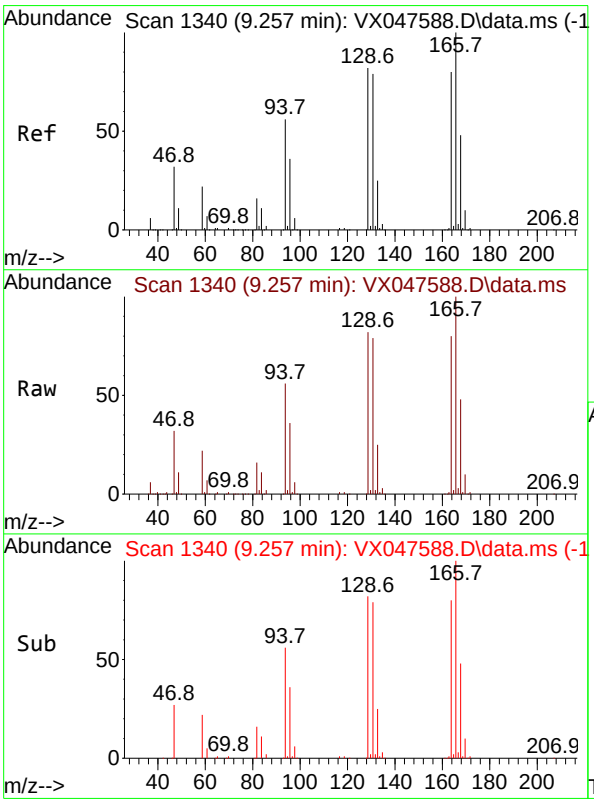
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:117 Resp: 270040

Ion	Ratio	Lower	Upper
117	100		
82	59.7	47.8	71.6
119	31.5	25.2	37.8

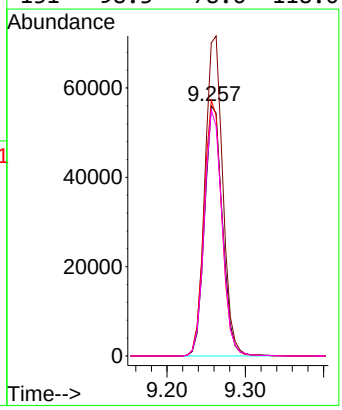


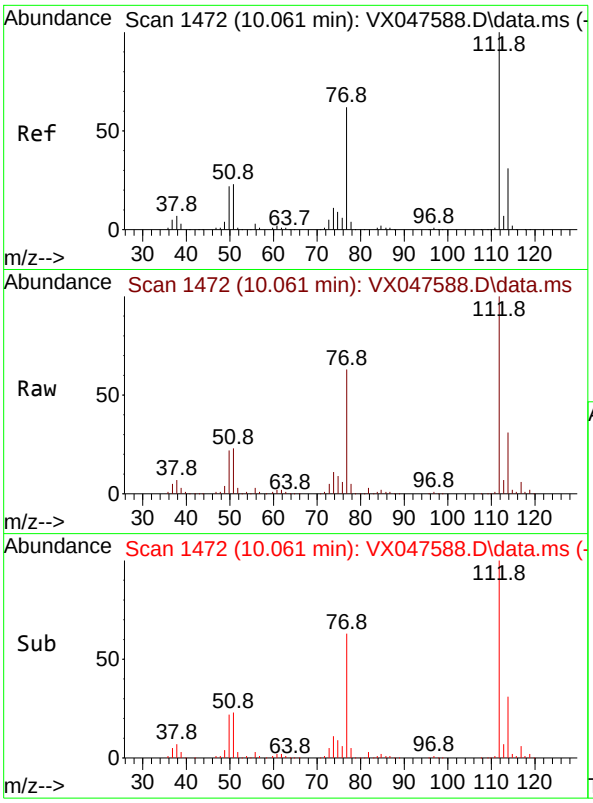


#64
Tetrachloroethene
Concen: 50.074 ug/l
RT: 9.257 min Scan# 1340
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:164 Resp: 88149

Ion	Ratio	Lower	Upper
164	100		
166	125.2	100.2	150.2
129	102.2	81.8	122.6
131	98.3	78.6	118.0



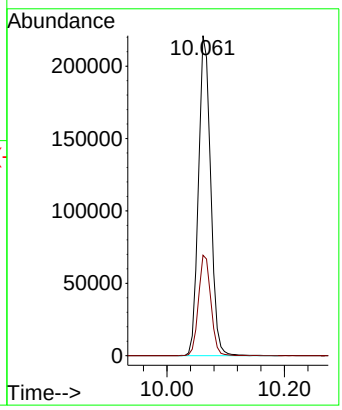


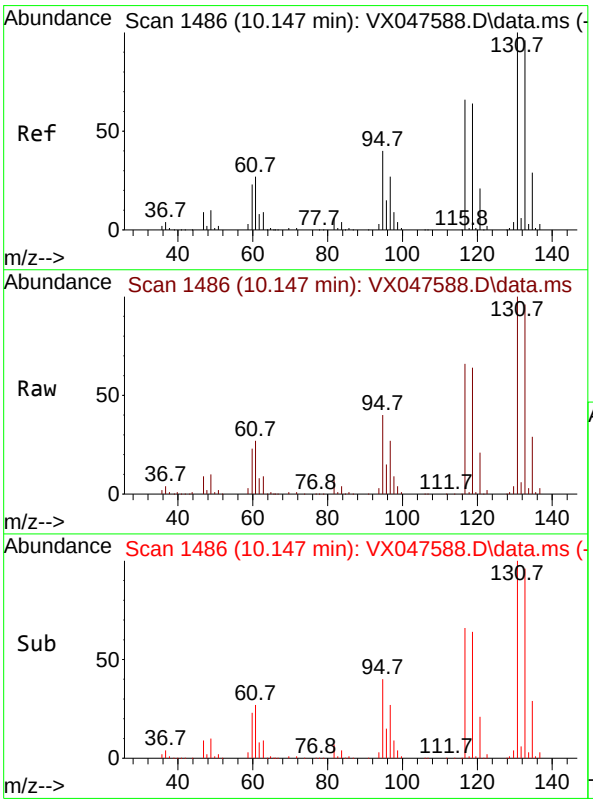
#65
Chlorobenzene
Concen: 51.833 ug/l
RT: 10.061 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:112 Resp: 317982

Ion	Ratio	Lower	Upper
112	100		
114	31.4	25.1	37.7

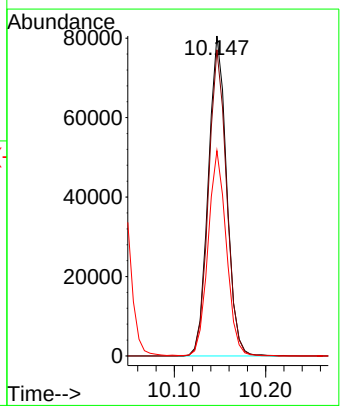


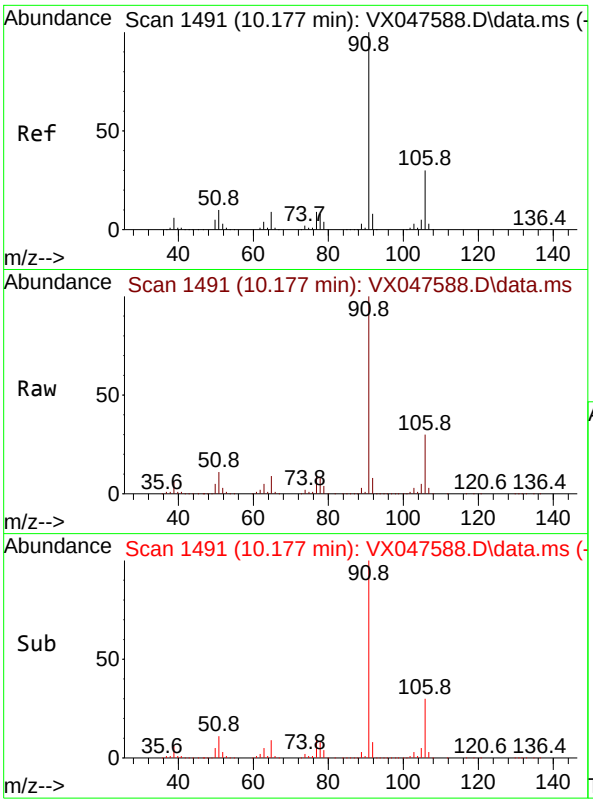


#66
1,1,1,2-Tetrachloroethane
Concen: 52.835 ug/l
RT: 10.147 min Scan# 1486
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:131 Resp: 111849

Ion	Ratio	Lower	Upper
131	100		
133	94.7	47.3	142.0
119	64.0	32.0	96.0



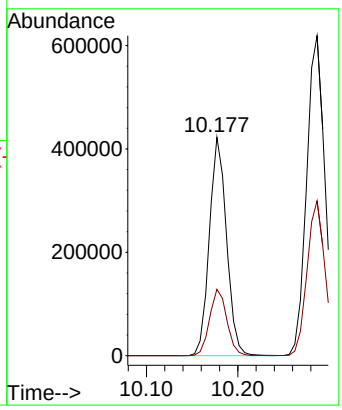


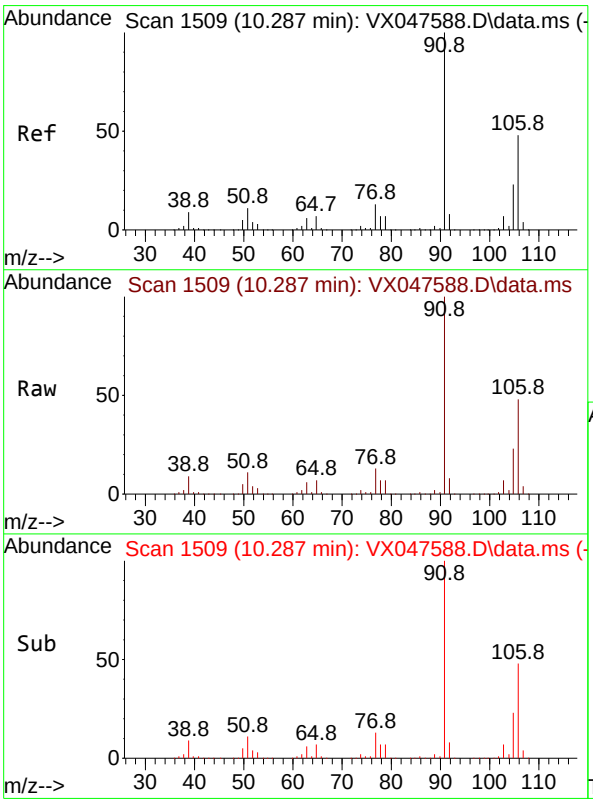
#67
Ethyl Benzene
Concen: 52.017 ug/l
RT: 10.177 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 91 Resp: 550610

Ion	Ratio	Lower	Upper
91	100		
106	30.4	24.3	36.5

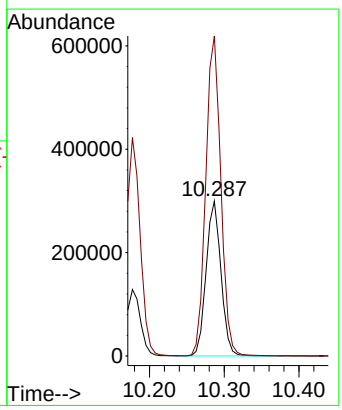


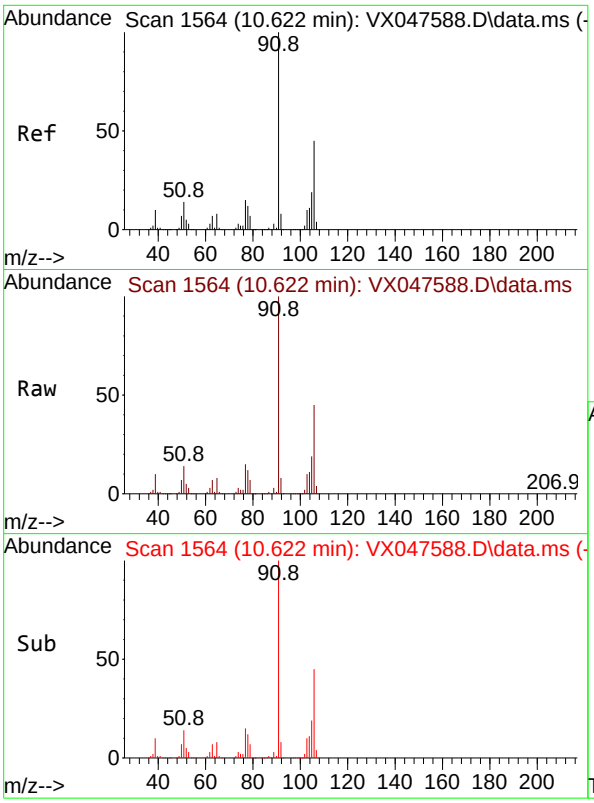


#68
m/p-Xylenes
Concen: 104.809 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:106 Resp: 412932

Ion	Ratio	Lower	Upper
106	100		
91	209.8	167.8	251.8



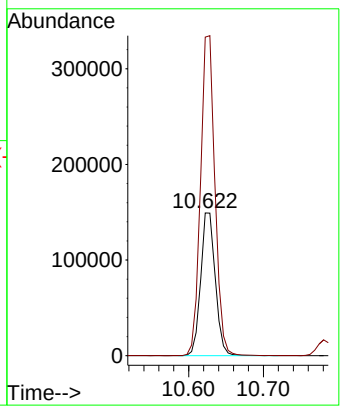


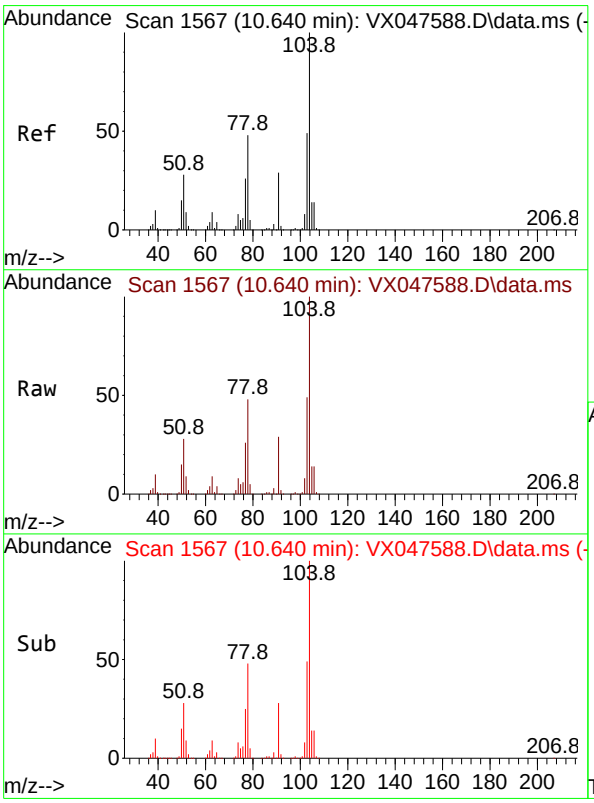
#69
o-Xylene
Concen: 53.084 ug/l
RT: 10.622 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:106 Resp: 202291

Ion	Ratio	Lower	Upper
106	100		
91	222.3	111.1	333.4

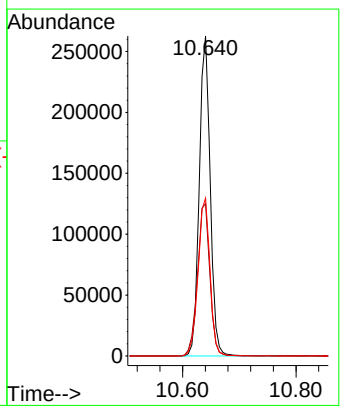


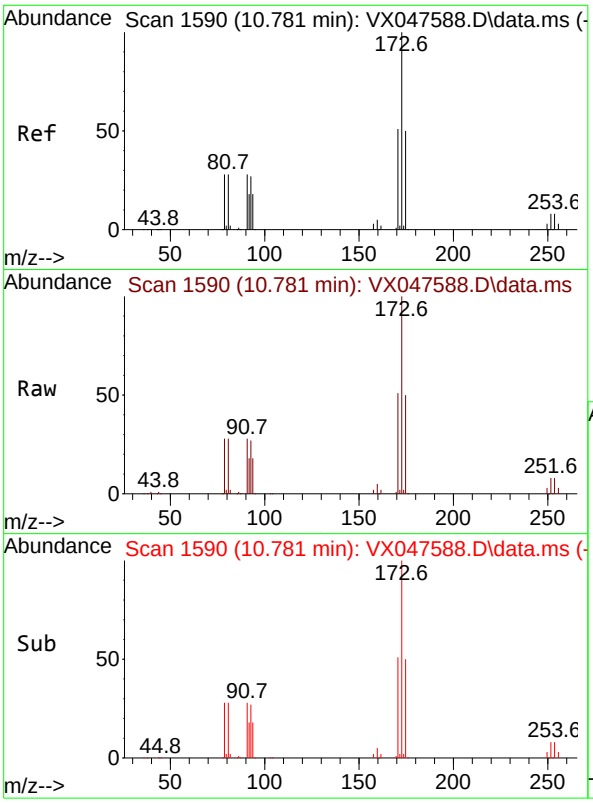


#70
Styrene
Concen: 52.515 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:104 Resp: 350654

Ion	Ratio	Lower	Upper
104	100		
78	53.9	43.1	64.7
103	53.9	43.1	64.7



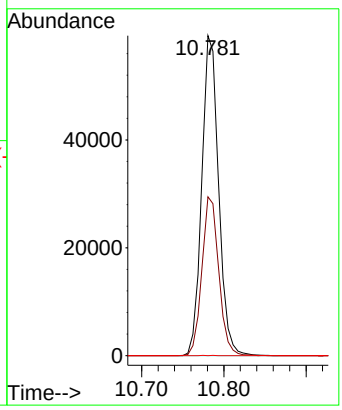


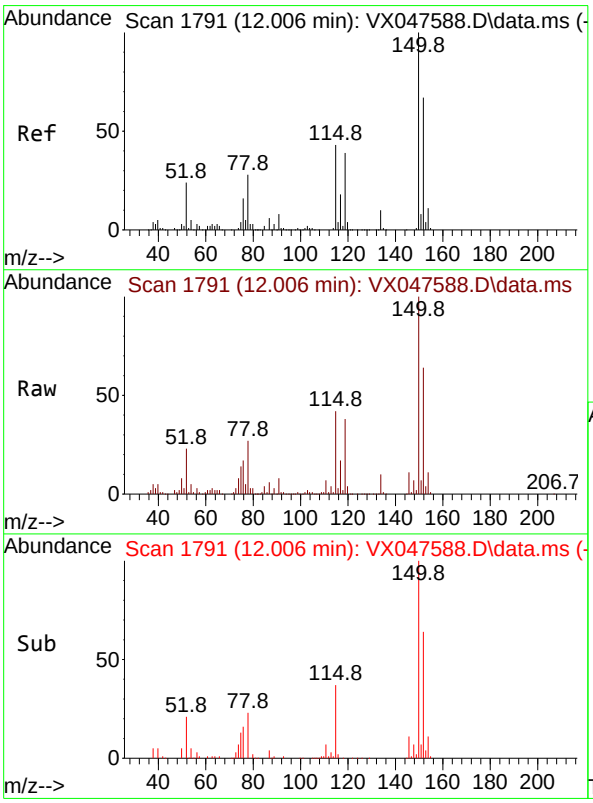
#71
Bromoform
Concen: 53.447 ug/l
RT: 10.781 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:173 Resp: 84485

Ion	Ratio	Lower	Upper
173	100		
175	49.7	24.9	74.6
254	0.1	0.1	0.1#

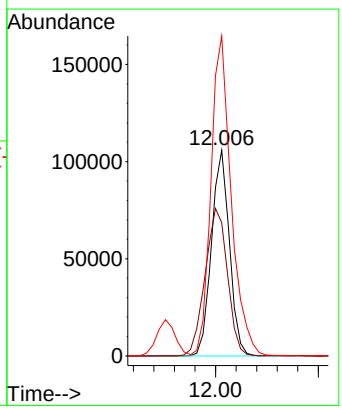


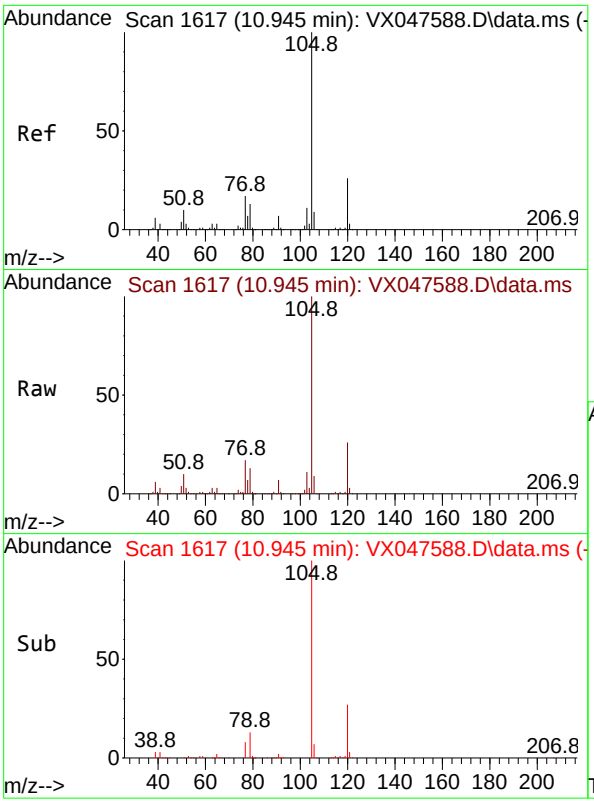


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:152 Resp: 127732

Ion	Ratio	Lower	Upper
152	100		
115	89.7	44.9	134.5
150	176.0	0.0	352.0



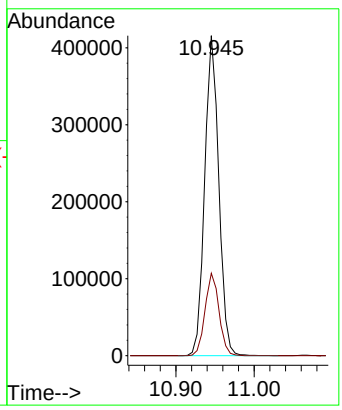


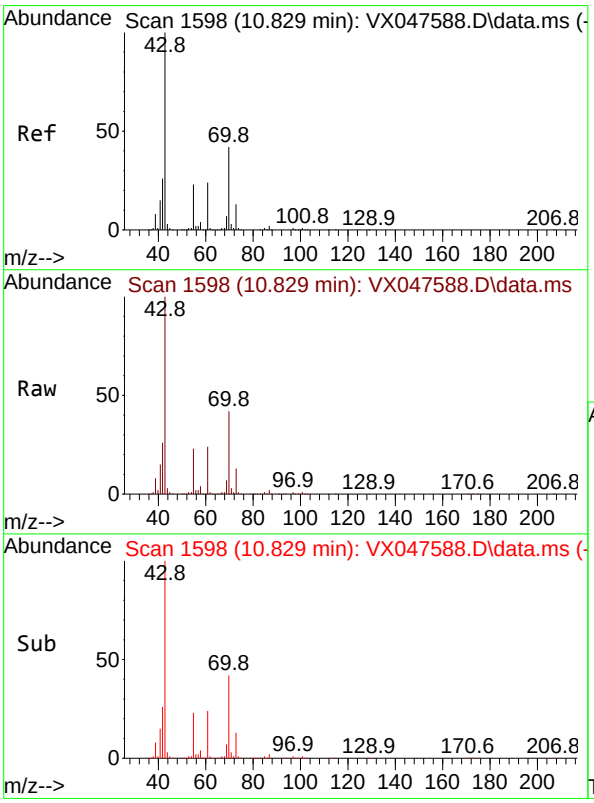
#73
Isopropylbenzene
Concen: 53.227 ug/l
RT: 10.945 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:105 Resp: 516891

Ion	Ratio	Lower	Upper
105	100		
120	25.6	12.8	38.4

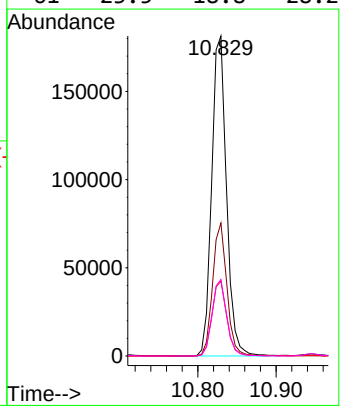


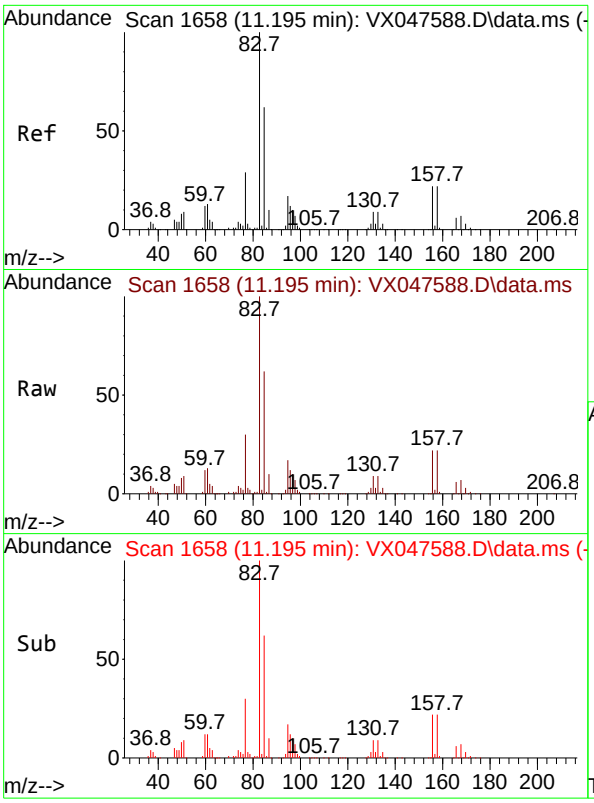


#74
N-amyl acetate
Concen: 53.710 ug/l
RT: 10.829 min Scan# 1598
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 43 Resp: 237846

Ion	Ratio	Lower	Upper
43	100		
70	40.0	32.0	48.0
55	23.6	18.9	28.3
61	23.5	18.8	28.2



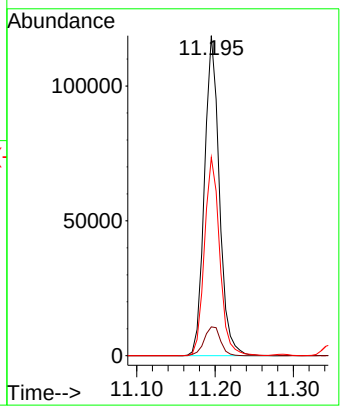


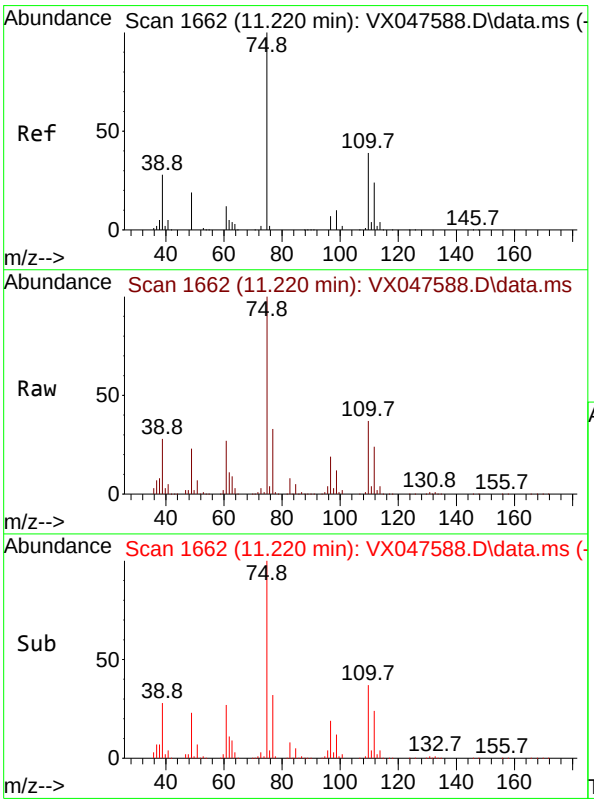
#75
1,1,2,2-Tetrachloroethane
Concen: 53.251 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 83 Resp: 156454

Ion	Ratio	Lower	Upper
83	100		
131	9.9	5.0	14.9
85	63.3	31.6	95.0

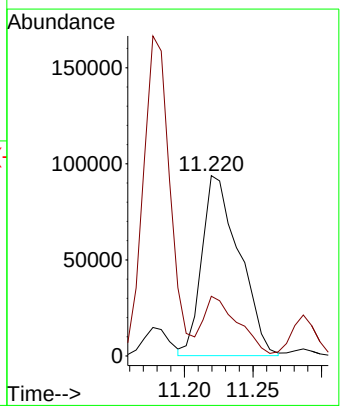


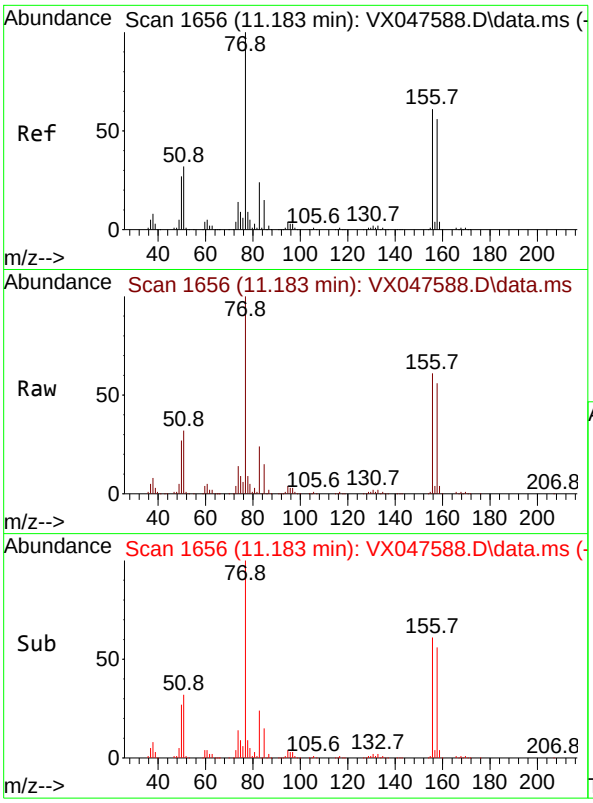


#76
1,2,3-Trichloropropane
Concen: 68.947 ug/l
RT: 11.220 min Scan# 1662
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 75 Resp: 178309

Ion	Ratio	Lower	Upper
75	100		
77	30.4	18.8	56.4



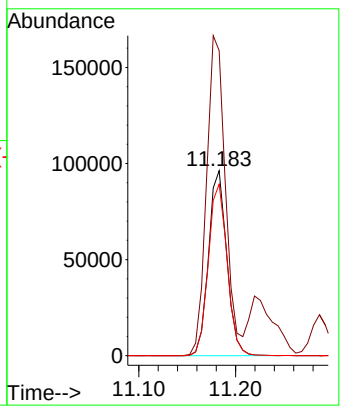


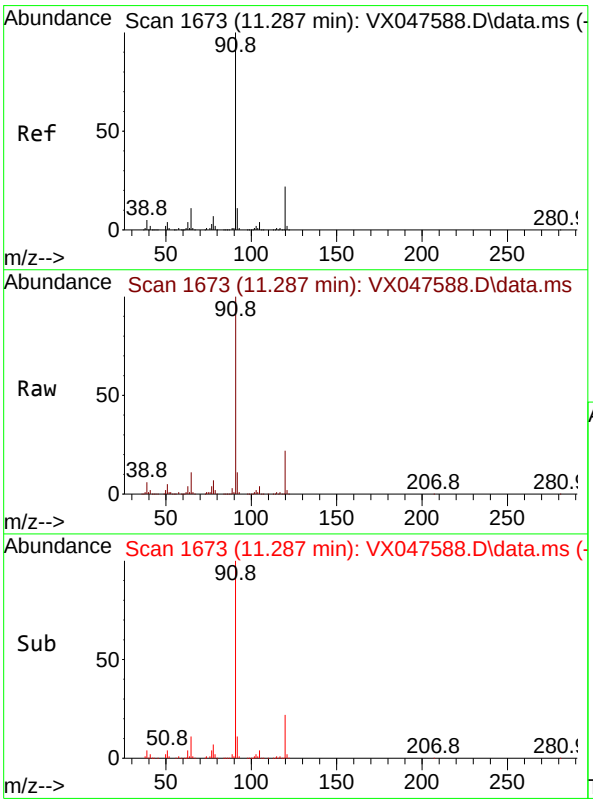
#77
Bromobenzene
Concen: 52.754 ug/l
RT: 11.183 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:156 Resp: 126174

Ion	Ratio	Lower	Upper
156	100		
77	179.4	89.7	269.1
158	95.7	47.9	143.6

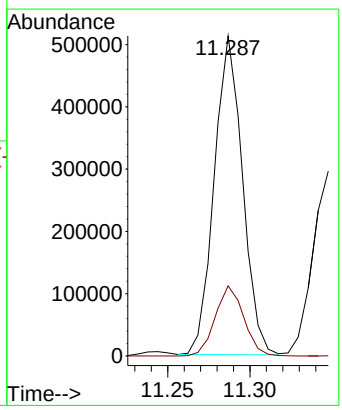


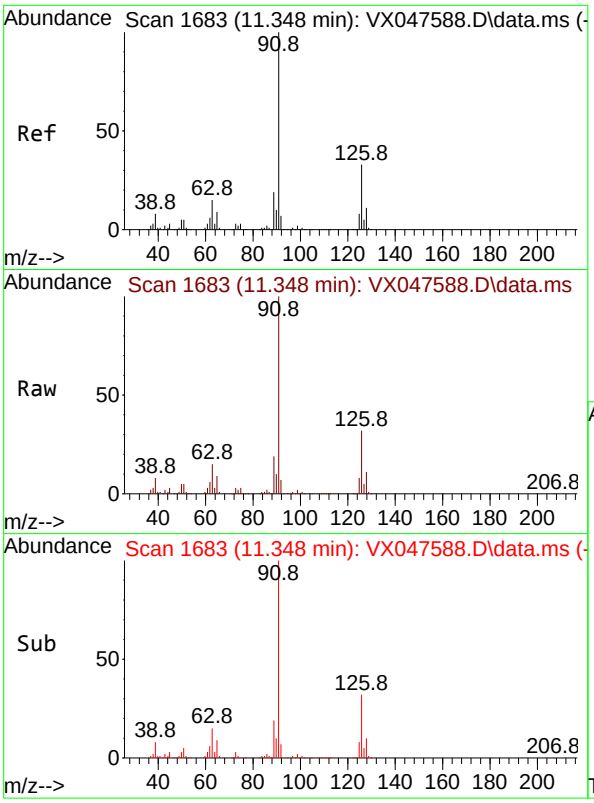


#78
n-propylbenzene
Concen: 53.315 ug/l
RT: 11.287 min Scan# 1673
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 91 Resp: 612035

Ion	Ratio	Lower	Upper
91	100		
120	22.1	11.1	33.1



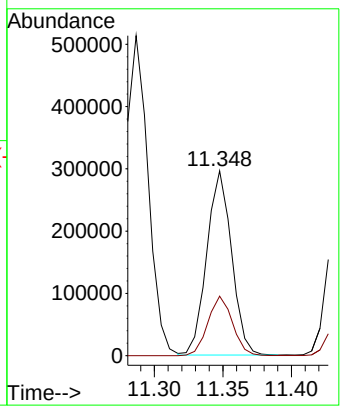


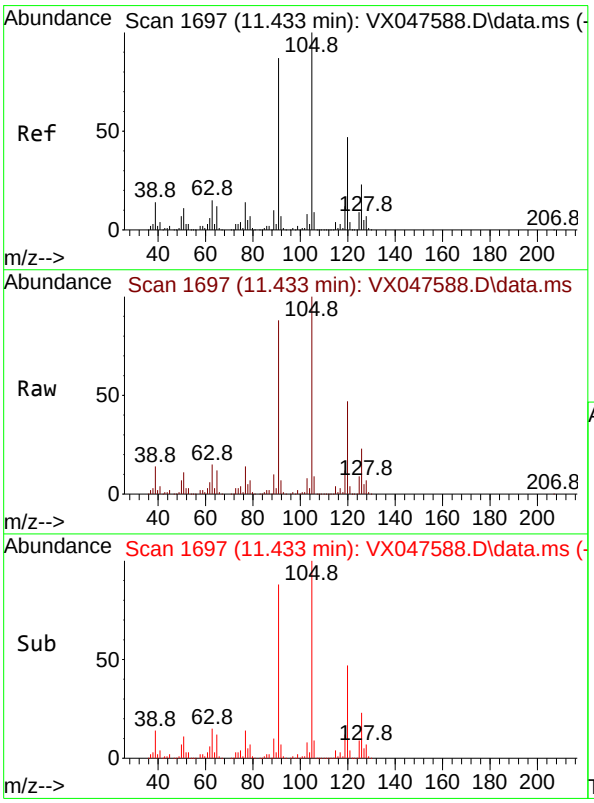
#79
2-Chlorotoluene
Concen: 52.965 ug/l
RT: 11.348 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 91 Resp: 372397

Ion	Ratio	Lower	Upper
91	100		
126	32.2	16.1	48.3

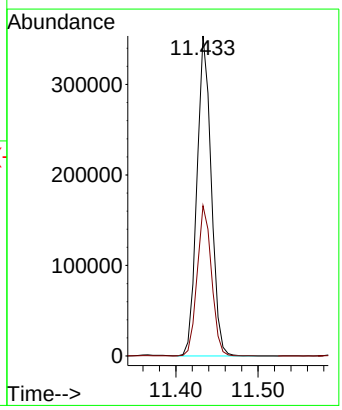


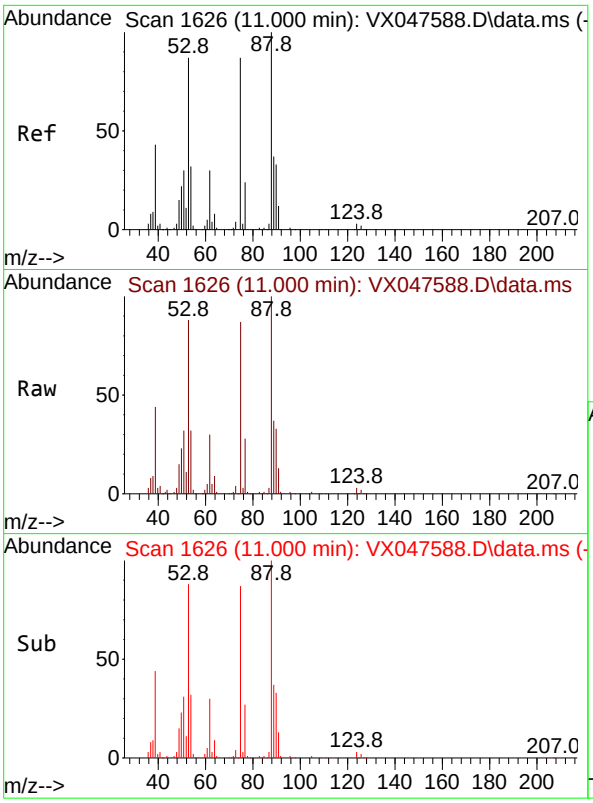


#80
1,3,5-Trimethylbenzene
Concen: 53.518 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:105 Resp: 426989

Ion	Ratio	Lower	Upper
105	100		
120	47.2	23.6	70.8



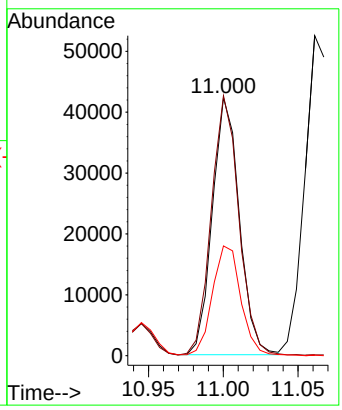


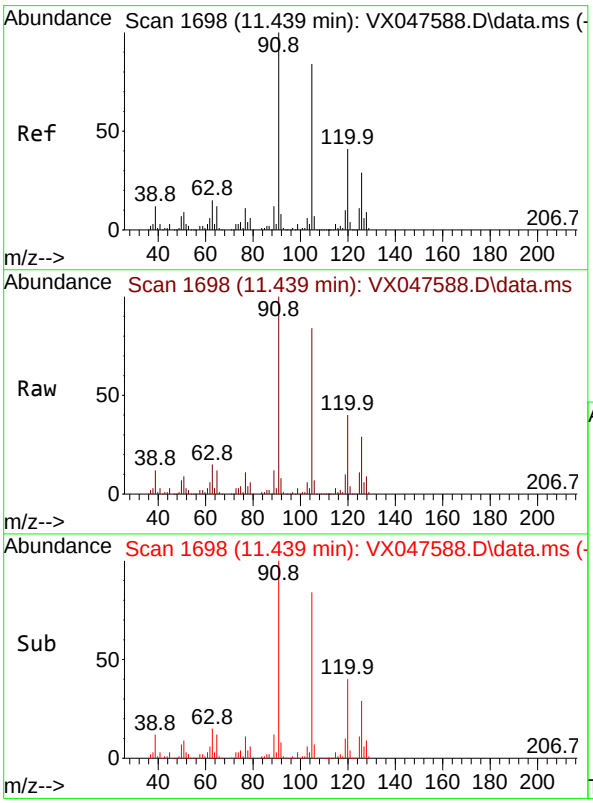
#81
trans-1,4-Dichloro-2-butene
Concen: 52.190 ug/l
RT: 11.000 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 75 Resp: 52927

Ion	Ratio	Lower	Upper
75	100		
53	104.3	83.4	125.2
89	45.4	36.3	54.5

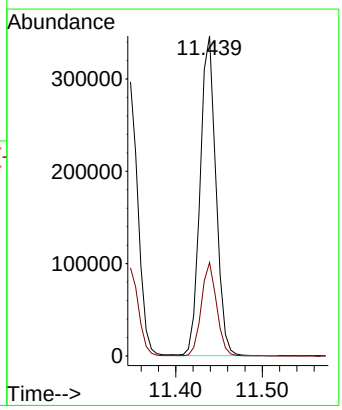


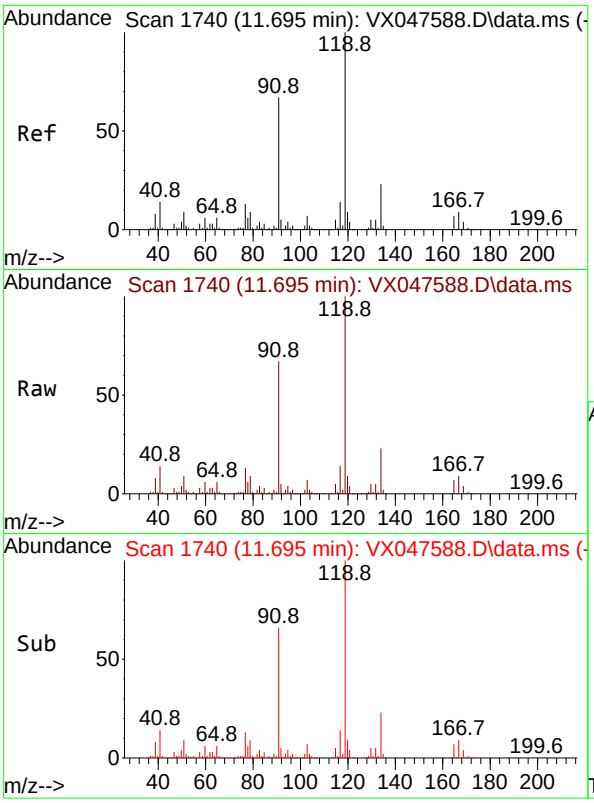


#82
4-Chlorotoluene
Concen: 52.806 ug/l
RT: 11.439 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 91 Resp: 438502

Ion	Ratio	Lower	Upper
91	100		
126	28.4	14.2	42.6



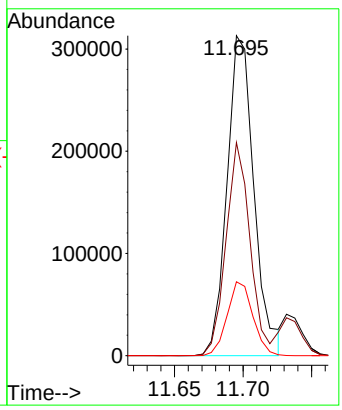


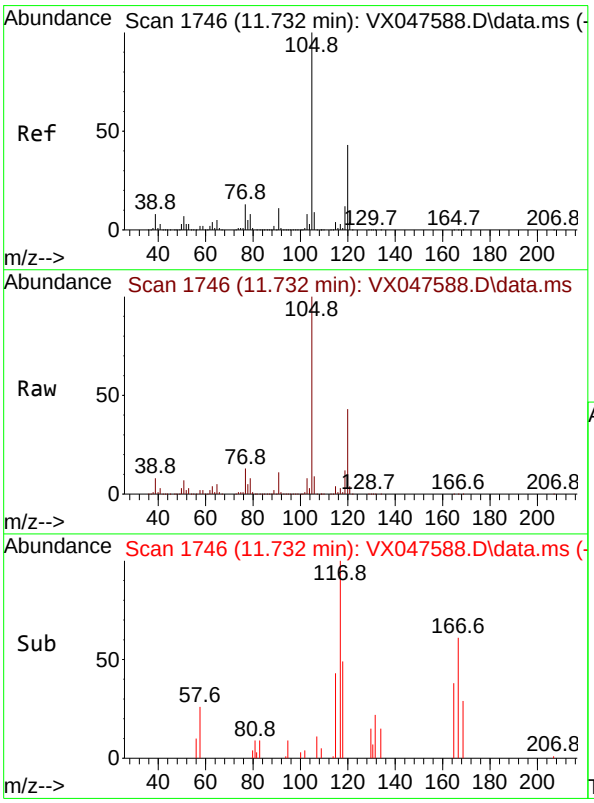
#83
tert-Butylbenzene
Concen: 52.539 ug/l
RT: 11.695 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:119 Resp: 429107

Ion	Ratio	Lower	Upper
119	100		
91	59.2	29.6	88.8
134	22.0	11.0	33.0

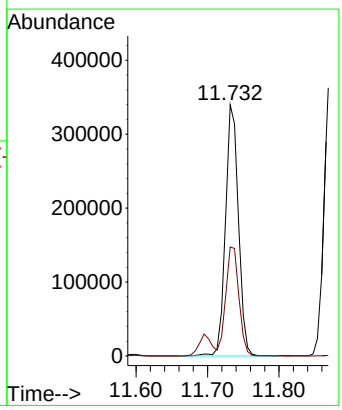


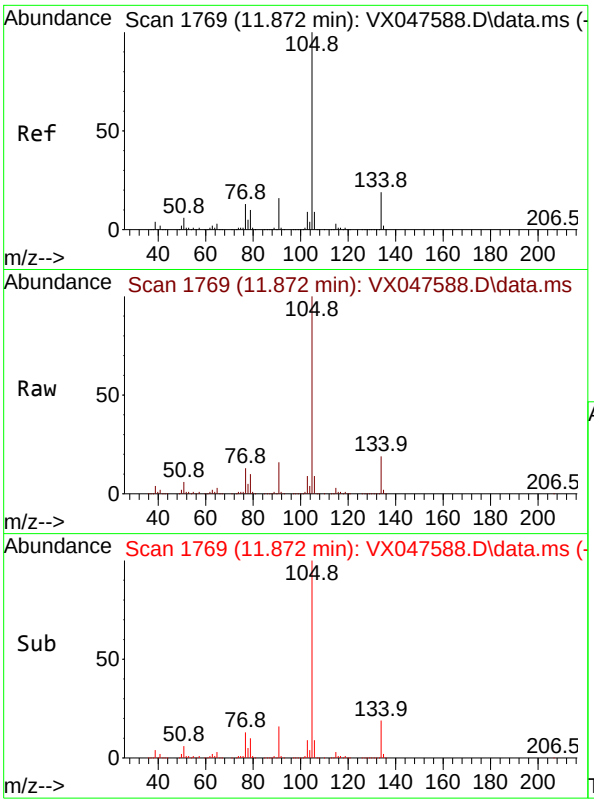


#84
1,2,4-Trimethylbenzene
Concen: 52.798 ug/l
RT: 11.732 min Scan# 1746
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:105 Resp: 427073

Ion	Ratio	Lower	Upper
105	100		
120	44.1	22.1	66.1



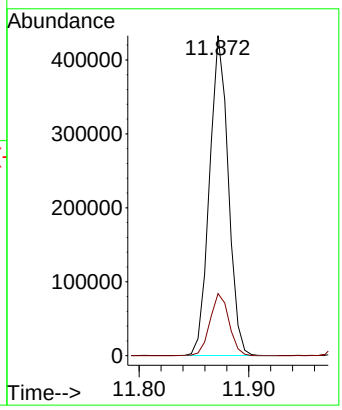


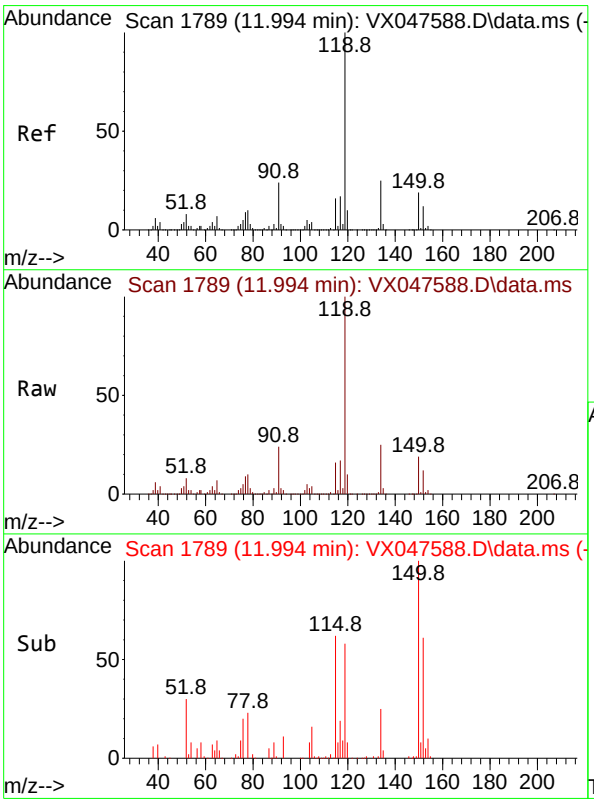
#85
sec-Butylbenzene
Concen: 53.029 ug/l
RT: 11.872 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:105 Resp: 514442

Ion	Ratio	Lower	Upper
105	100		
134	19.7	9.8	29.5

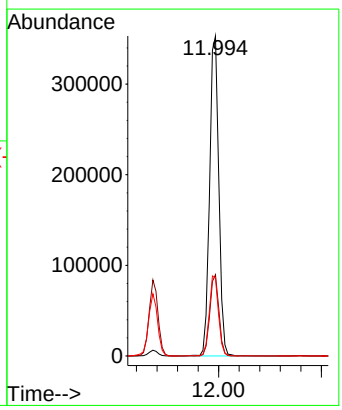


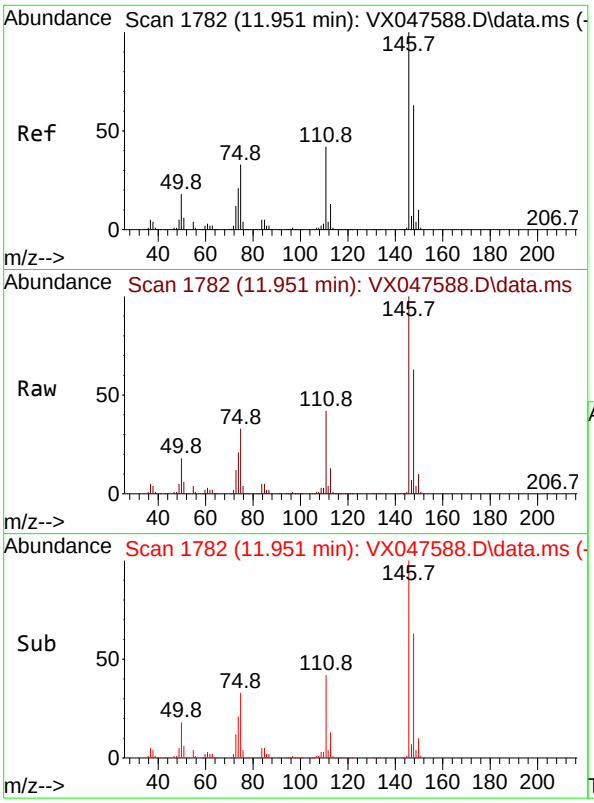


#86
p-Isopropyltoluene
Concen: 53.172 ug/l
RT: 11.994 min Scan# 1789
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:119 Resp: 436704

Ion	Ratio	Lower	Upper
119	100		
134	25.2	12.6	37.8
91	25.1	12.6	37.6



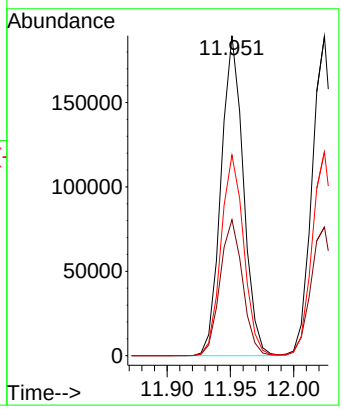


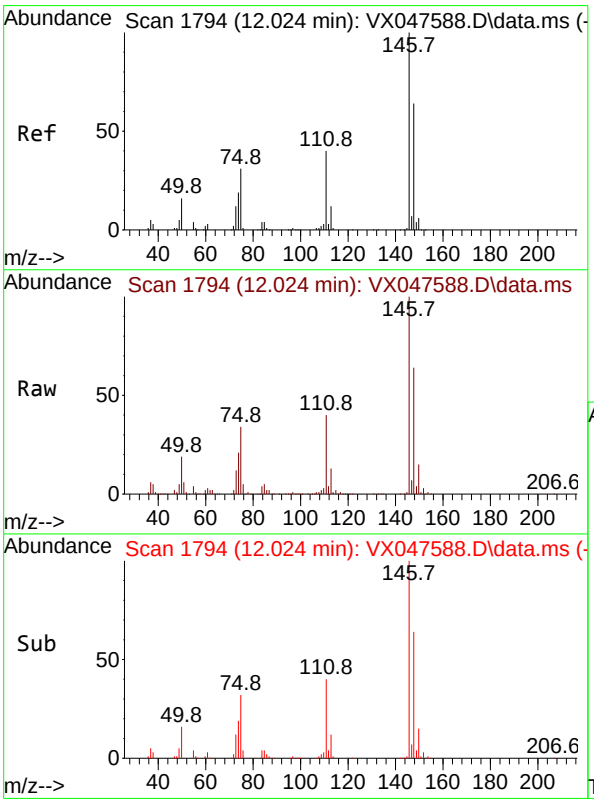
#87
1,3-Dichlorobenzene
Concen: 52.232 ug/l
RT: 11.951 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:146 Resp: 232038

Ion	Ratio	Lower	Upper
146	100		
111	43.0	21.5	64.5
148	64.0	32.0	96.0

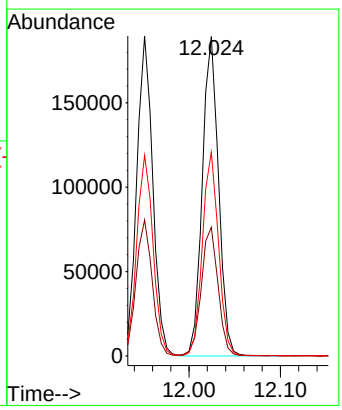


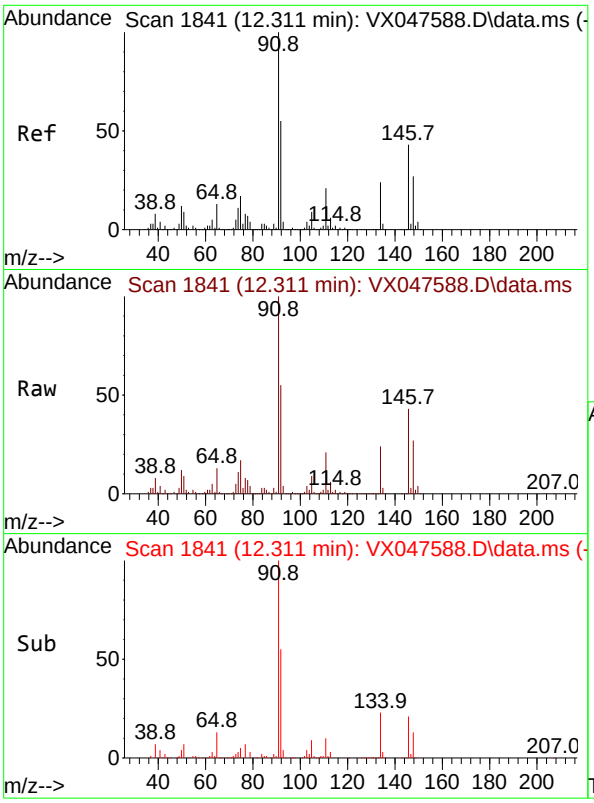


#88
1,4-Dichlorobenzene
Concen: 51.316 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:146 Resp: 233975

Ion	Ratio	Lower	Upper
146	100		
111	41.6	20.8	62.4
148	63.4	31.7	95.1



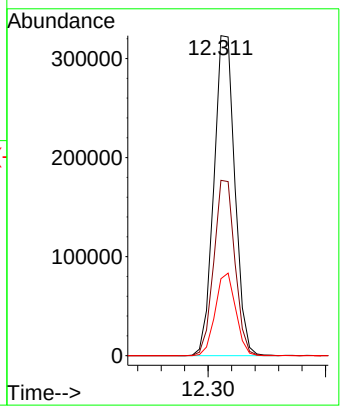


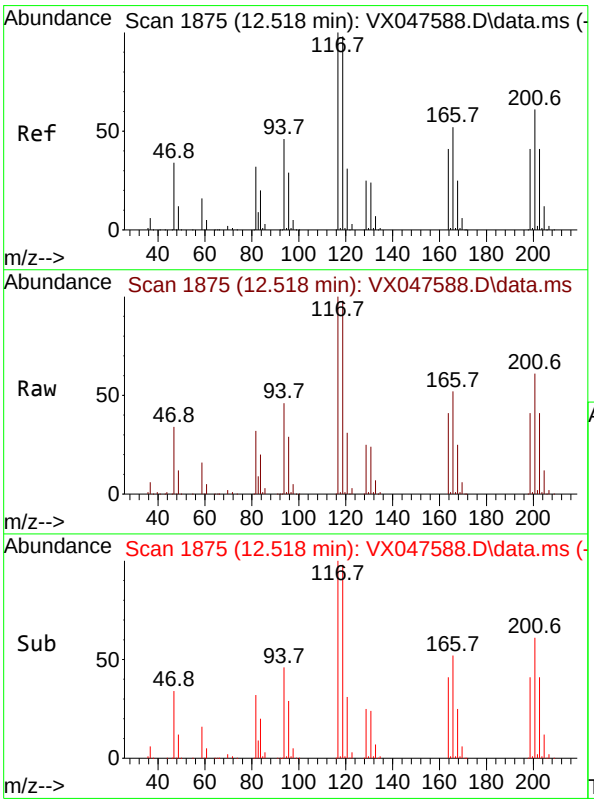
#89
n-Butylbenzene
Concen: 52.766 ug/l
RT: 12.311 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 91 Resp: 400997

Ion	Ratio	Lower	Upper
91	100		
92	55.1	27.6	82.7
134	25.2	12.6	37.8

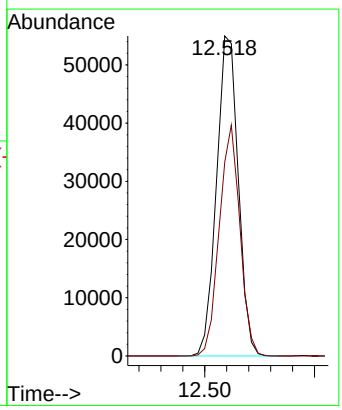


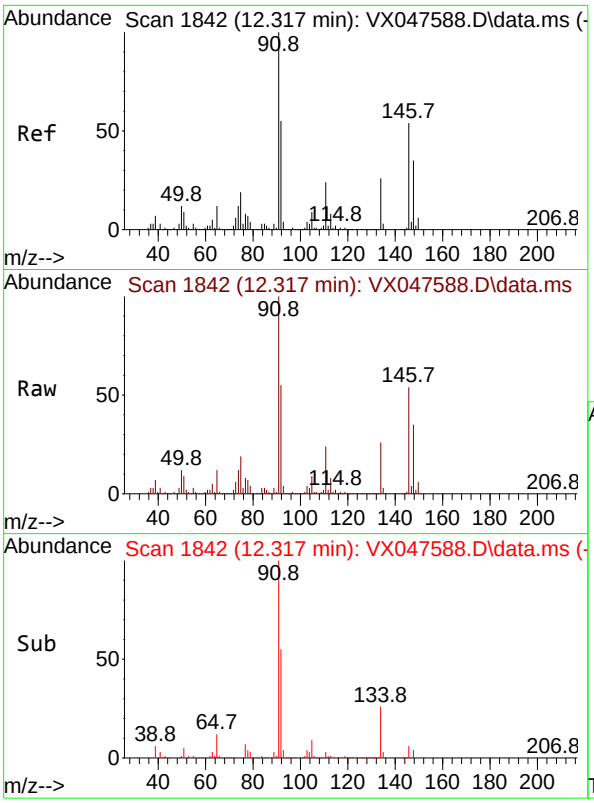


#90
Hexachloroethane
Concen: 52.567 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:117 Resp: 75800

Ion	Ratio	Lower	Upper
117	100		
201	68.3	34.2	102.5



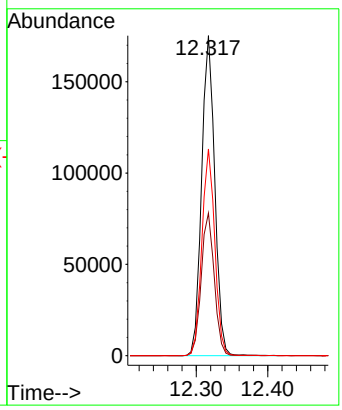


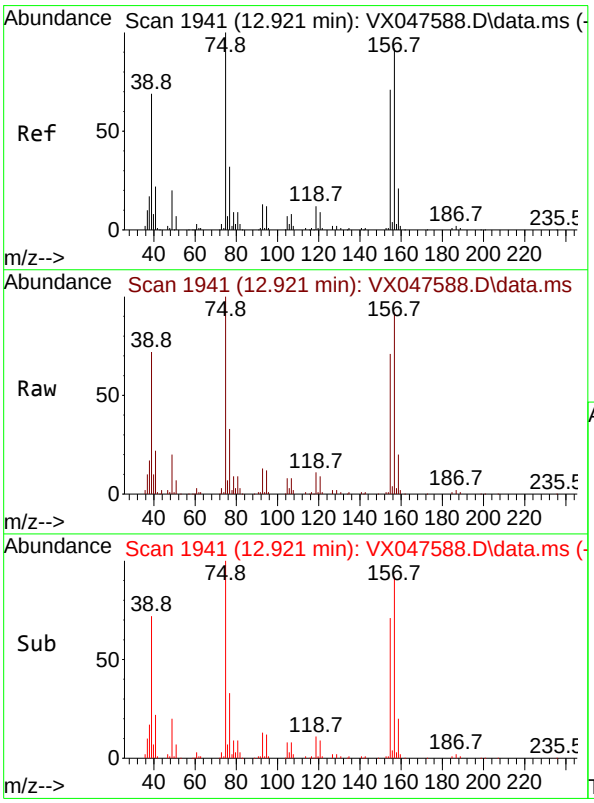
#91
1,2-Dichlorobenzene
Concen: 52.688 ug/l
RT: 12.317 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:146 Resp: 222993

Ion	Ratio	Lower	Upper
146	100		
111	44.4	22.2	66.6
148	63.6	31.8	95.4

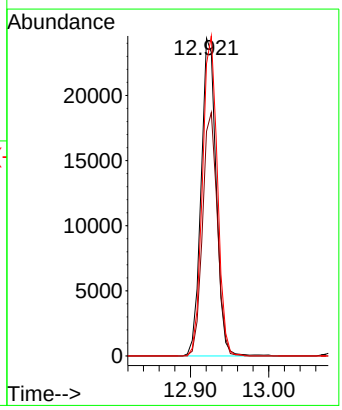


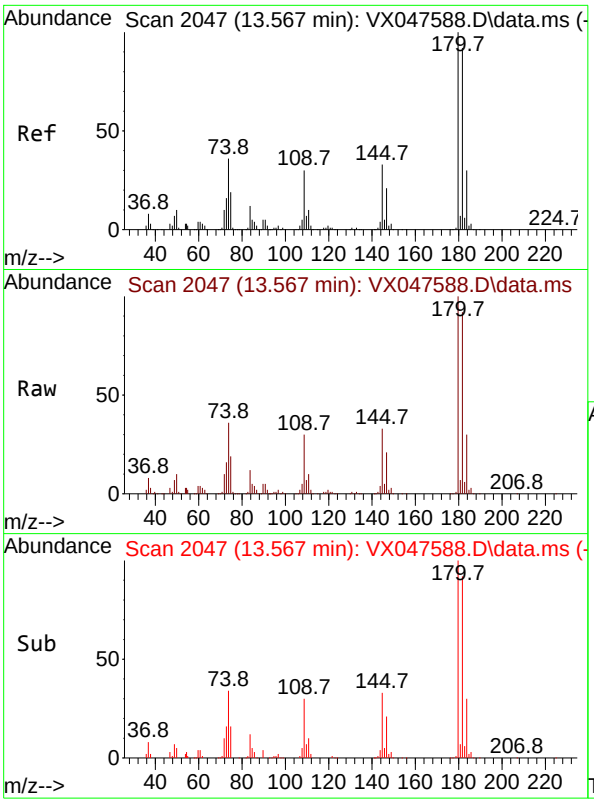


#92
1,2-Dibromo-3-Chloropropane
Concen: 54.554 ug/l
RT: 12.921 min Scan# 1941
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 75 Resp: 32451

Ion	Ratio	Lower	Upper
75	100		
155	75.4	37.7	113.1
157	99.6	49.8	149.4



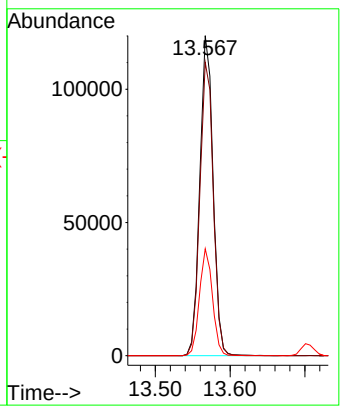


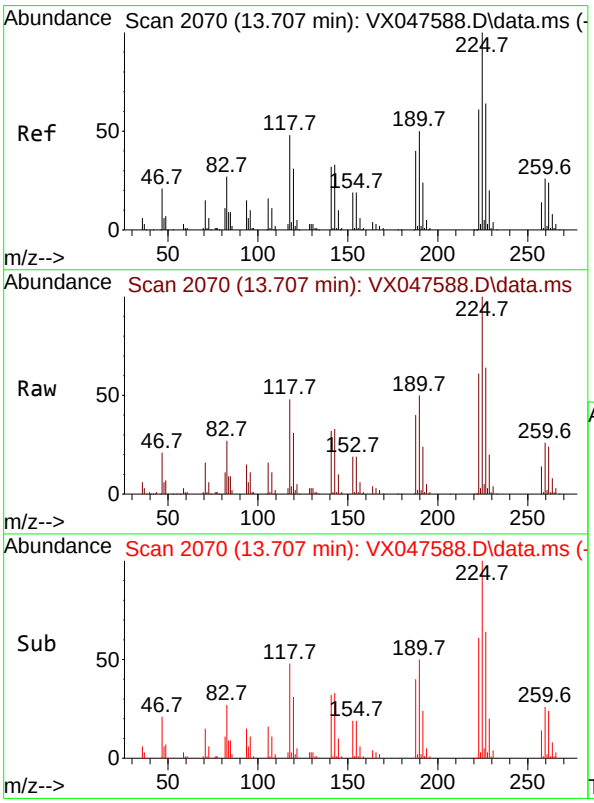
#93
1,2,4-Trichlorobenzene
Concen: 53.685 ug/l
RT: 13.567 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:180 Resp: 147670

Ion	Ratio	Lower	Upper
180	100		
182	93.2	46.6	139.8
145	32.7	16.4	49.1

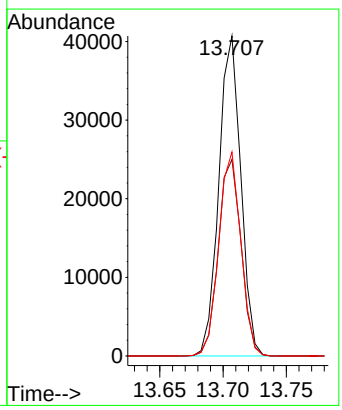


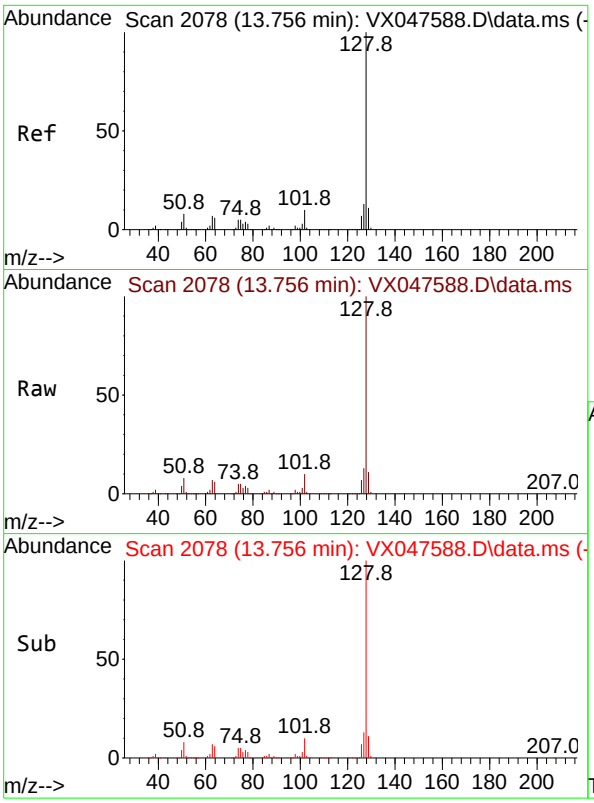


#94
Hexachlorobutadiene
Concen: 52.510 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:225 Resp: 49061

Ion	Ratio	Lower	Upper
225	100		
223	63.4	31.7	95.1
227	64.0	32.0	96.0



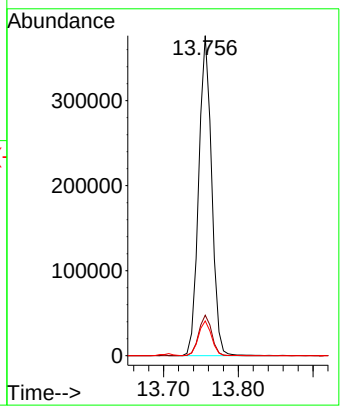


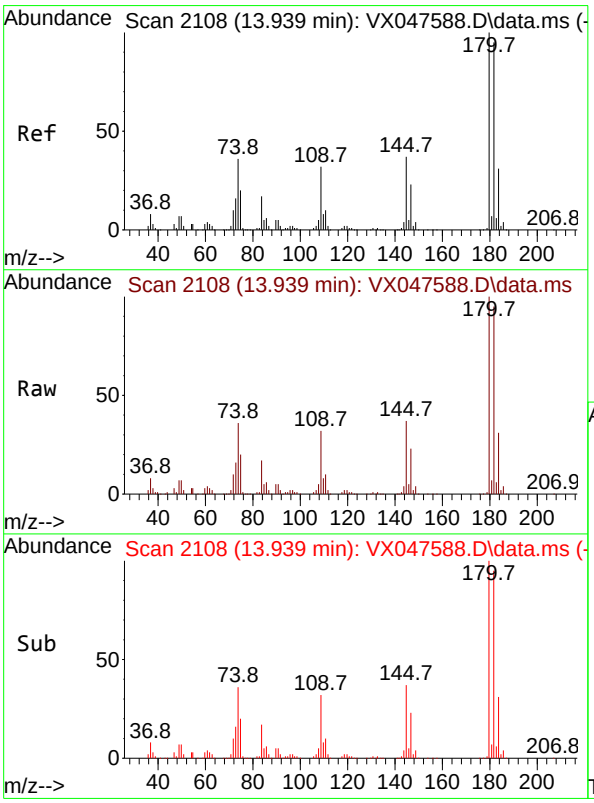
#95
Naphthalene
Concen: 53.966 ug/l
RT: 13.756 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:128 Resp: 452013

Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.2
129	11.0	8.8	13.2

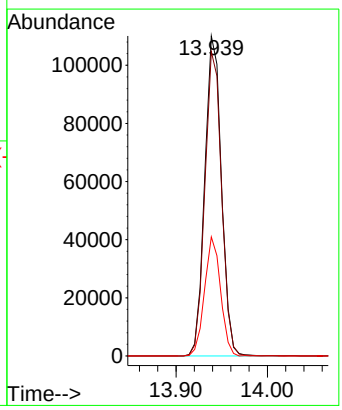




#96
1,2,3-Trichlorobenzene
Concen: 54.316 ug/l
RT: 13.939 min Scan# 2108
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:180 Resp: 138978

Ion	Ratio	Lower	Upper
180	100		
182	95.2	47.6	142.8
145	35.8	17.9	53.7



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047589.D
Acq On : 16 Sep 2025 11:40
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Quant Time: Sep 22 01:51:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.532	168	169280	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.739	114	298913	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	258399	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	122218	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.934	65	275758	102.341	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 204.680%#			
35) Dibromofluoromethane	5.361	113	212419	105.962	ug/l	-0.01
Spiked Amount 50.000	Range 75 - 124		Recovery = 211.920%#			
50) Toluene-d8	8.629	98	724078	104.386	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 208.780%#			
62) 4-Bromofluorobenzene	11.061	95	270289	102.672	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 205.340%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.173	85	172727	98.537	ug/l	100
3) Chloromethane	1.301	50	229165	99.472	ug/l	100
4) Vinyl Chloride	1.380	62	229175	101.621	ug/l	100
5) Bromomethane	1.611	94	143113	100.076	ug/l	99
6) Chloroethane	1.691	64	152487	101.167	ug/l	99
7) Trichlorofluoromethane	1.892	101	344488	102.878	ug/l	100
8) Diethyl Ether	2.130	74	142038	103.695	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.331	101	199843	102.067	ug/l	99
10) Methyl Iodide	2.453	142	313092	102.531	ug/l	99
11) Tert butyl alcohol	2.947	59	152108	506.863	ug/l	98
12) 1,1-Dichloroethene	2.319	96	206097	102.473	ug/l	93
13) Acrolein	2.233	56	150793	545.276	ug/l	97
14) Allyl chloride	2.660	41	415140	100.028	ug/l	99
15) Acrylonitrile	3.056	53	581240	522.897	ug/l	100
16) Acetone	2.374	43	510542	435.772	ug/l	100
17) Carbon Disulfide	2.514	76	537888	97.693	ug/l	98
18) Methyl Acetate	2.697	43	292867	112.324	ug/l	100
19) Methyl tert-butyl Ether	3.105	73	748952	102.011	ug/l	100
20) Methylene Chloride	2.782	84	242548	97.805	ug/l	97
21) trans-1,2-Dichloroethene	3.087	96	217759	100.566	ug/l	98
22) Diisopropyl ether	3.745	45	811840	100.934	ug/l	88
23) Vinyl Acetate	3.709	43	3314707	514.916	ug/l	99
24) 1,1-Dichloroethane	3.599	63	435815	101.944	ug/l	98
25) 2-Butanone	4.532	43	700827	479.558	ug/l	97
26) 2,2-Dichloropropane	4.465	77	357292	100.542	ug/l	99
27) cis-1,2-Dichloroethene	4.471	96	266550	100.516	ug/l	100
28) Bromochloromethane	4.873	49	198788	106.512	ug/l	99
29) Tetrahydrofuran	4.977	42	443530	504.502	ug/l	99
30) Chloroform	5.074	83	433937	100.447	ug/l	100
31) Cyclohexane	5.452	56	332995	93.523	ug/l	96
32) 1,1,1-Trichloroethane	5.367	97	372323	101.607	ug/l	99
36) 1,1-Dichloropropene	5.672	75	281650	96.149	ug/l	98
37) Ethyl Acetate	4.690	43	318793	101.641	ug/l	99
38) Carbon Tetrachloride	5.660	117	314745	98.891	ug/l	98
39) Methylcyclohexane	7.360	83	327858	98.600	ug/l	98
40) Benzene	6.019	78	880885	99.009	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047589.D
Acq On : 16 Sep 2025 11:40
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Quant Time: Sep 22 01:51:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.891	41	168753	104.220	ug/l	99
42) 1,2-Dichloroethane	6.062	62	331465	97.916	ug/l	100
43) Isopropyl Acetate	6.318	43	516875	100.482	ug/l	99
44) Trichloroethene	7.104	130	217753	101.234	ug/l	96
45) 1,2-Dichloropropane	7.409	63	228150	100.145	ug/l	100
46) Dibromomethane	7.562	93	164987	99.519	ug/l	99
47) Bromodichloromethane	7.806	83	345991	101.136	ug/l	98
48) Methyl methacrylate	7.671	41	260358	101.612	ug/l	100
49) 1,4-Dioxane	7.641	88	56717	2190.315	ug/l	99
51) 4-Methyl-2-Pentanone	8.555	43	1431253	501.834	ug/l	100
52) Toluene	8.702	92	536148	97.811	ug/l	99
53) t-1,3-Dichloropropene	8.958	75	355881	101.986	ug/l	100
54) cis-1,3-Dichloropropene	8.348	75	380577	102.038	ug/l	99
55) 1,1,2-Trichloroethane	9.135	97	205939	97.434	ug/l	97
56) Ethyl methacrylate	9.098	69	346659	104.435	ug/l	99
57) 1,3-Dichloropropane	9.293	76	362848	99.935	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.226	63	836362	499.814	ug/l	100
59) 2-Hexanone	9.415	43	996274	486.380	ug/l	100
60) Dibromochloromethane	9.506	129	251394	103.226	ug/l	99
61) 1,2-Dibromoethane	9.592	107	217751	101.147	ug/l	100
64) Tetrachloroethene	9.256	164	165559	98.284	ug/l	98
65) Chlorobenzene	10.061	112	588517	100.253	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.147	131	208621	102.988	ug/l	100
67) Ethyl Benzene	10.177	91	1031346	101.823	ug/l	100
68) m/p-Xylenes	10.287	106	763898	202.624	ug/l	99
69) o-Xylene	10.622	106	372621	102.186	ug/l	99
70) Styrene	10.634	104	649863	101.710	ug/l	100
71) Bromoform	10.781	173	161188	106.566	ug/l	98
73) Isopropylbenzene	10.945	105	954900	102.768	ug/l	100
74) N-amyl acetate	10.823	43	448344	105.812	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.195	83	281608	100.172	ug/l	98
76) 1,2,3-Trichloropropane	11.220	75	327988	132.545	ug/l	89
77) Bromobenzene	11.183	156	234666	102.541	ug/l	98
78) n-propylbenzene	11.287	91	1119728	101.941	ug/l	99
79) 2-Chlorotoluene	11.348	91	683867	101.652	ug/l	99
80) 1,3,5-Trimethylbenzene	11.433	105	787327	103.134	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.000	75	102555	105.689	ug/l	98
82) 4-Chlorotoluene	11.433	91	802929	101.054	ug/l	100
83) tert-Butylbenzene	11.695	119	791896	101.333	ug/l	100
84) 1,2,4-Trimethylbenzene	11.732	105	790557	102.144	ug/l	99
85) sec-Butylbenzene	11.872	105	945321	101.840	ug/l	100
86) p-Isopropyltoluene	11.994	119	797643	101.501	ug/l	99
87) 1,3-Dichlorobenzene	11.951	146	432248	101.689	ug/l	100
88) 1,4-Dichlorobenzene	12.024	146	431839	98.985	ug/l	100
89) n-Butylbenzene	12.311	91	757239	104.138	ug/l	99
90) Hexachloroethane	12.518	117	148048	107.304	ug/l	100
91) 1,2-Dichlorobenzene	12.317	146	414491	102.352	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.920	75	61029	107.225	ug/l	98
93) 1,2,4-Trichlorobenzene	13.567	180	278777	105.922	ug/l	100
94) Hexachlorobutadiene	13.707	225	92124	103.049	ug/l	99
95) Naphthalene	13.756	128	854492	106.620	ug/l	100
96) 1,2,3-Trichlorobenzene	13.939	180	263512	107.633	ug/l	98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047589.D
Acq On : 16 Sep 2025 11:40
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Quant Time: Sep 22 01:51:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

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

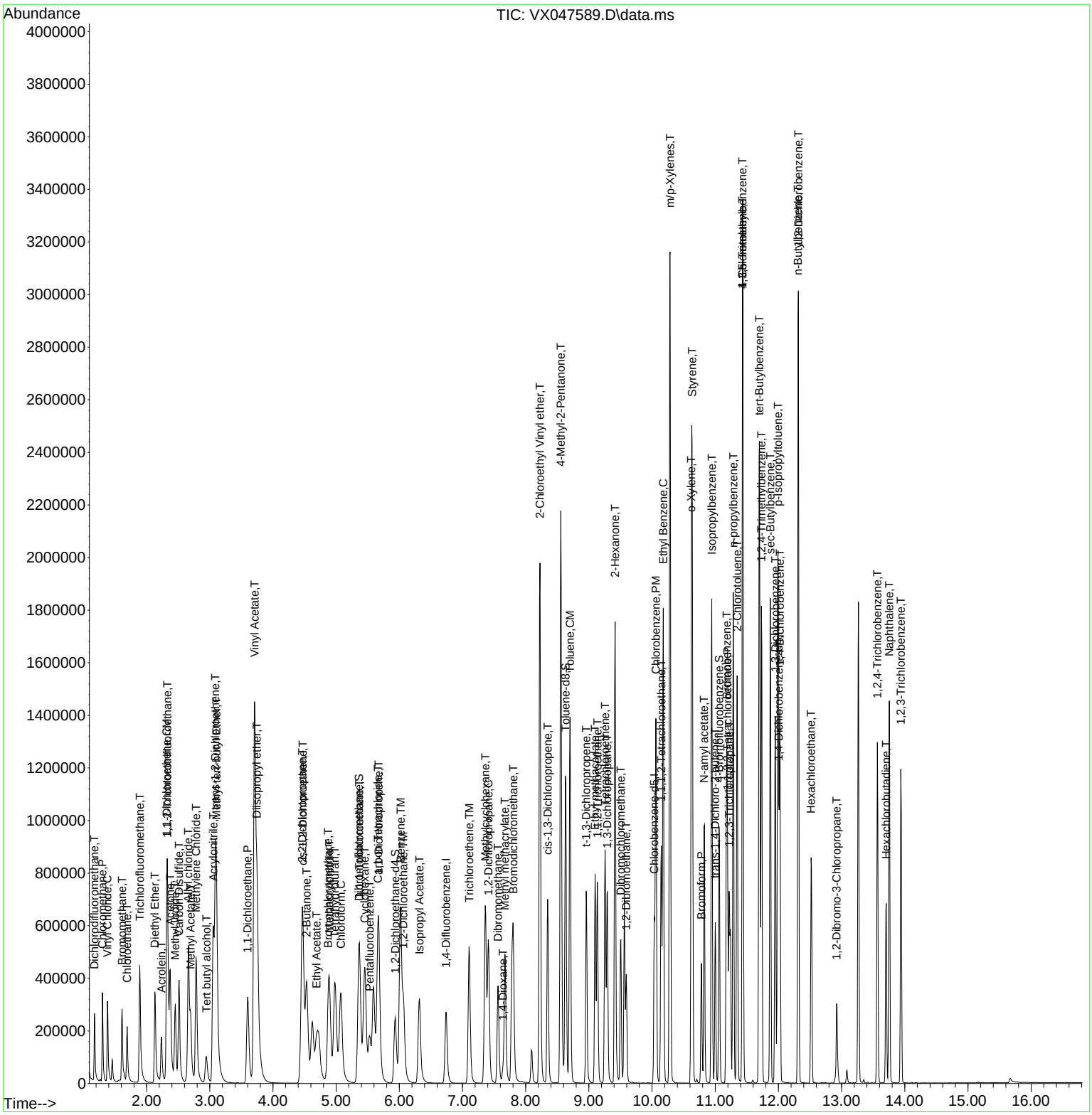
(#) = qualifier out of range (m) = manual integration (+) = signals summed

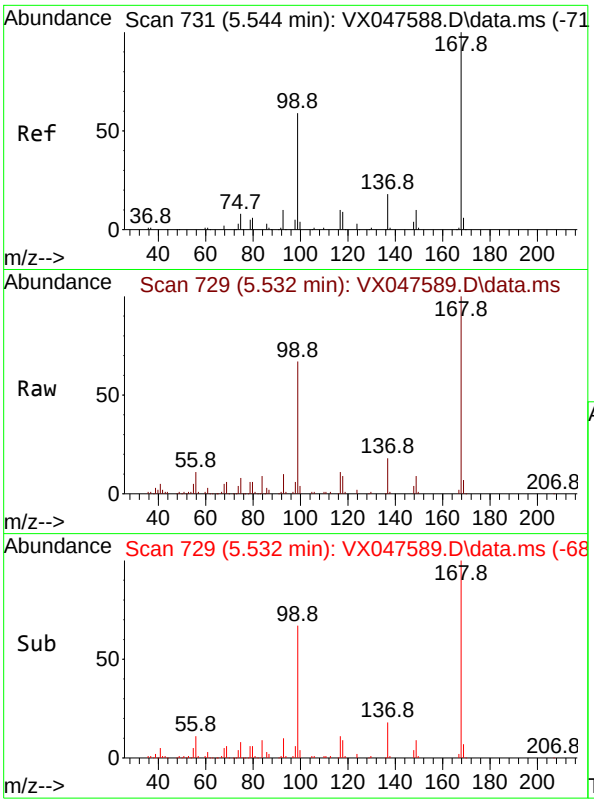
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047589.D
Acq On : 16 Sep 2025 11:40
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Quant Time: Sep 22 01:51:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



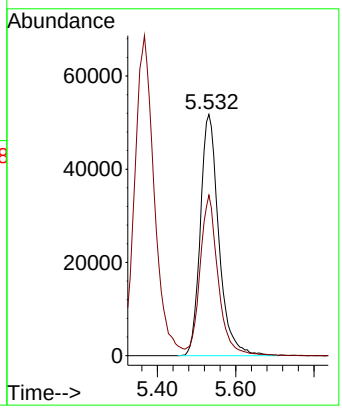


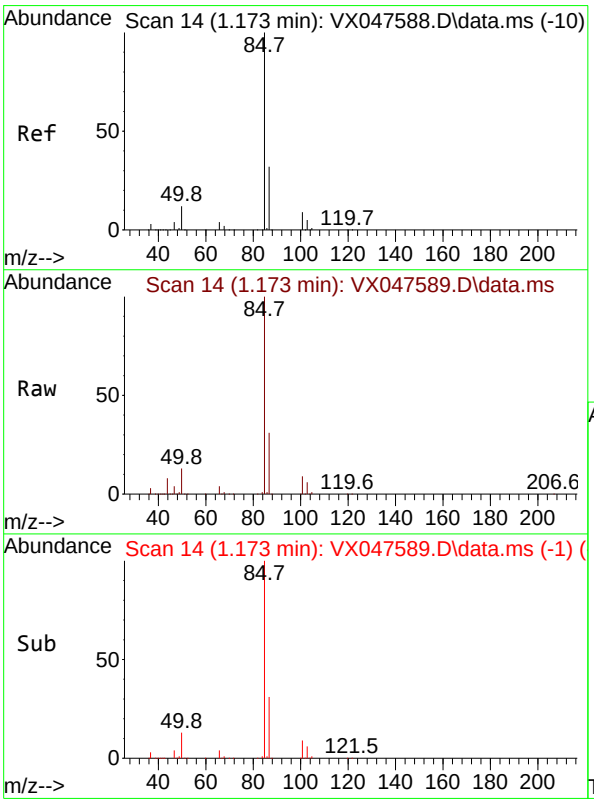
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.532 min Scan# 7
Delta R.T. -0.012 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:168 Resp: 169280

Ion	Ratio	Lower	Upper
168	100		
99	66.4	48.8	73.2

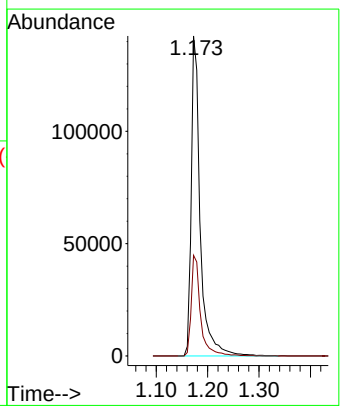


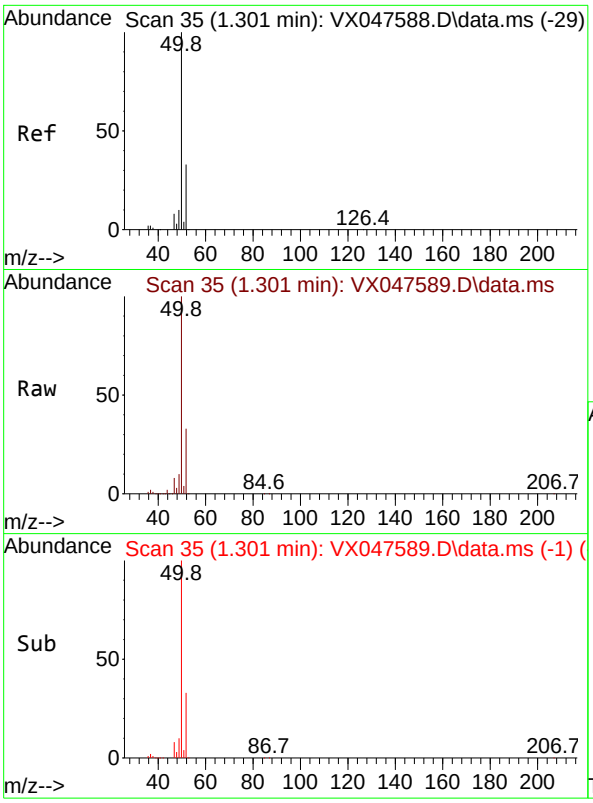


#2
Dichlorodifluoromethane
Concen: 98.537 ug/l
RT: 1.173 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 85 Resp: 172727

Ion	Ratio	Lower	Upper
85	100		
87	31.4	15.8	47.3



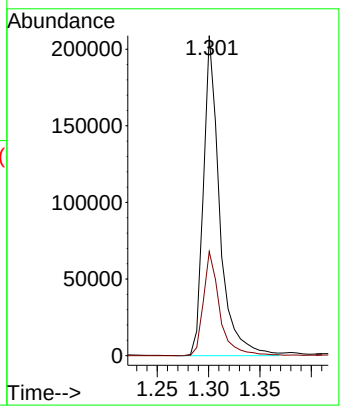


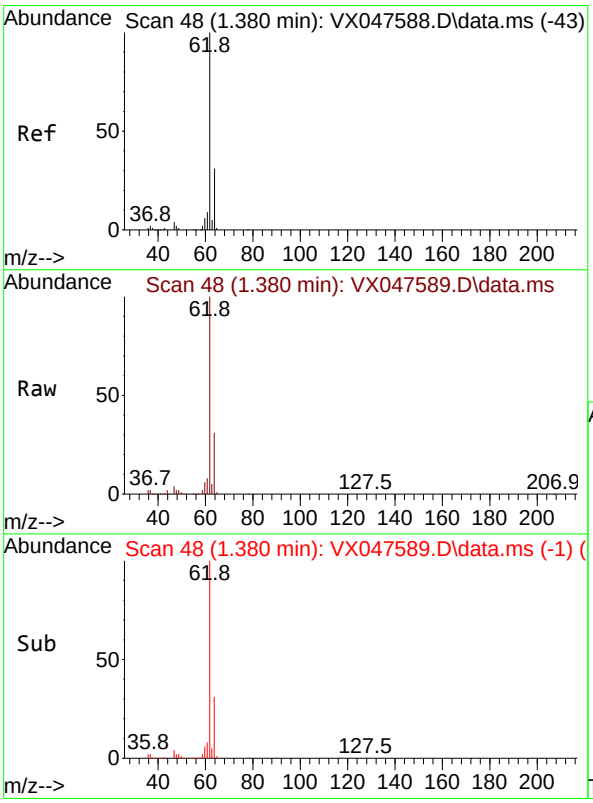
#3
Chloromethane
Concen: 99.472 ug/l
RT: 1.301 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 50 Resp: 229165

Ion	Ratio	Lower	Upper
50	100		
52	32.5	26.1	39.1

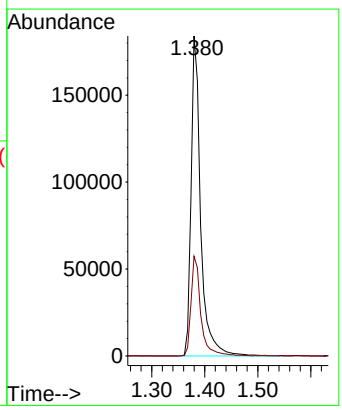


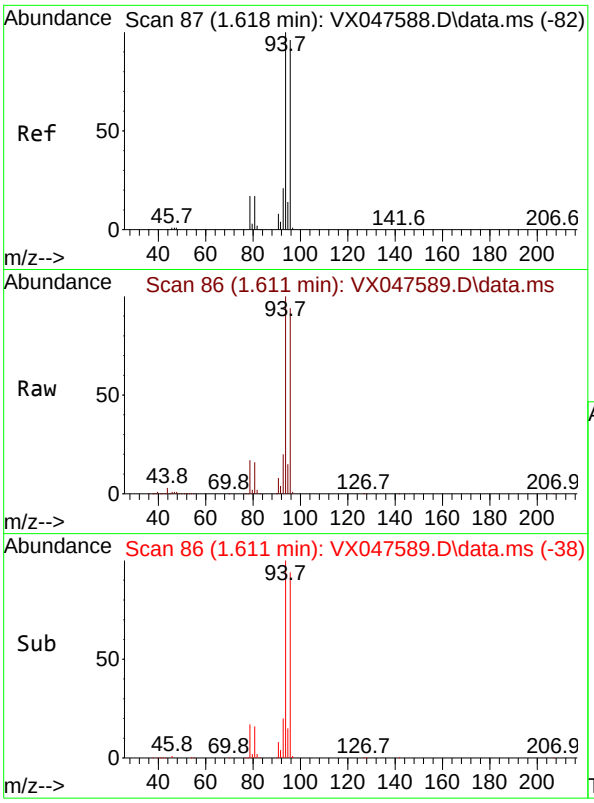


#4
Vinyl Chloride
Concen: 101.621 ug/l
RT: 1.380 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 62 Resp: 229175

Ion	Ratio	Lower	Upper
62	100		
64	31.1	24.9	37.3



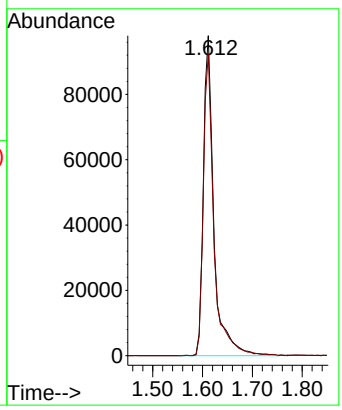


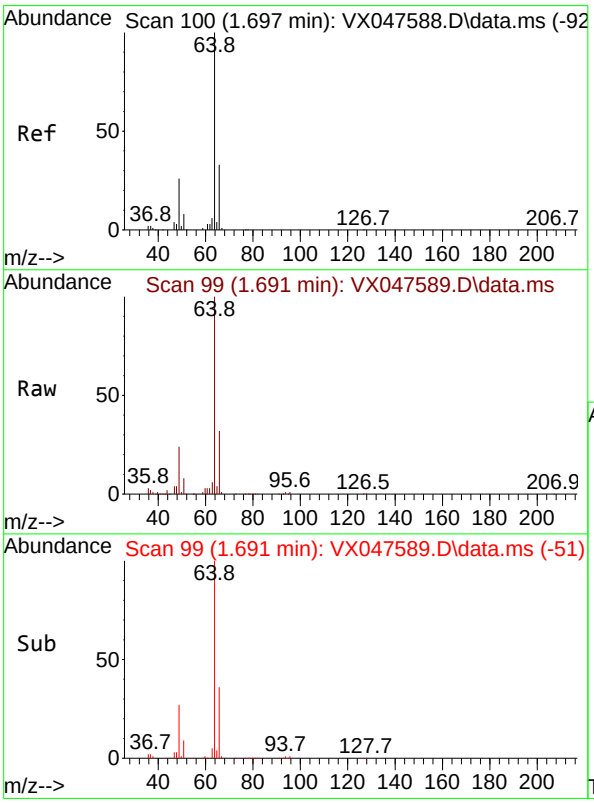
#5
Bromomethane
Concen: 100.076 ug/l
RT: 1.611 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 94 Resp: 143113

Ion	Ratio	Lower	Upper
94	100		
96	94.4	76.6	115.0

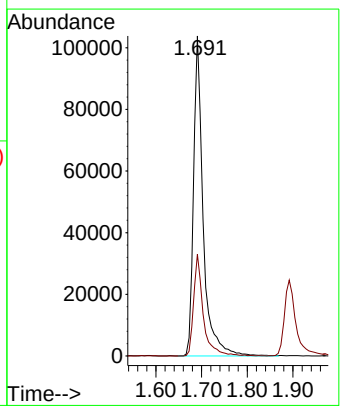


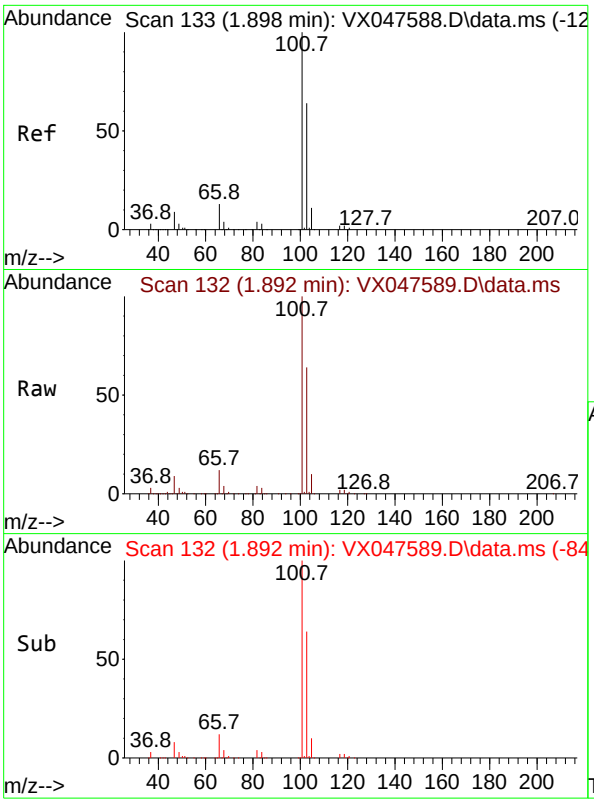


#6
Chloroethane
Concen: 101.167 ug/l
RT: 1.691 min Scan# 99
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 64 Resp: 152487

Ion	Ratio	Lower	Upper
64	100		
66	31.8	26.1	39.1



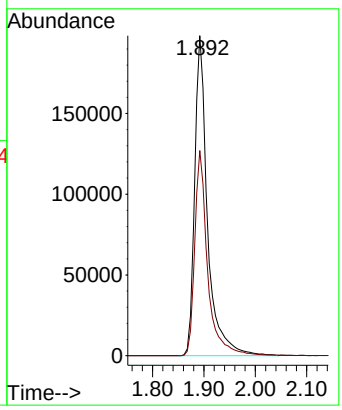


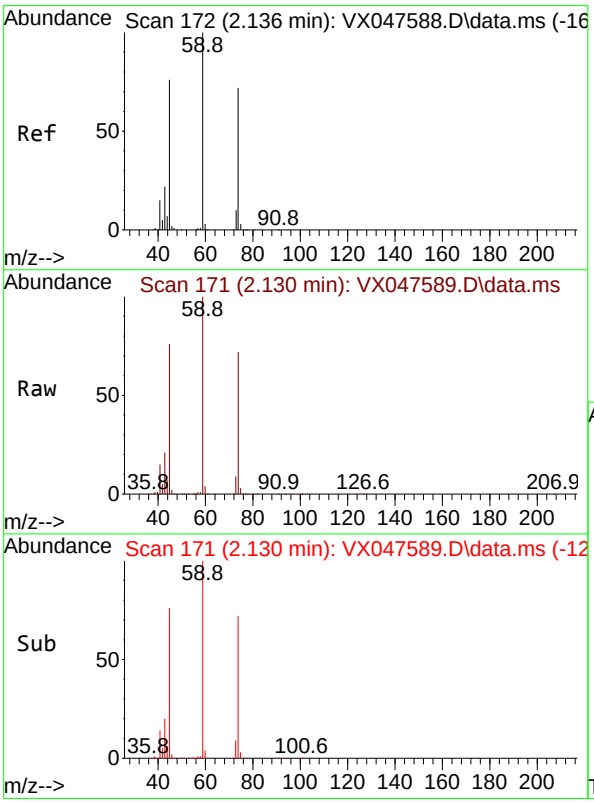
#7
Trichlorofluoromethane
Concen: 102.878 ug/l
RT: 1.892 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:101 Resp: 344488

Ion	Ratio	Lower	Upper
101	100		
103	64.1	51.4	77.2

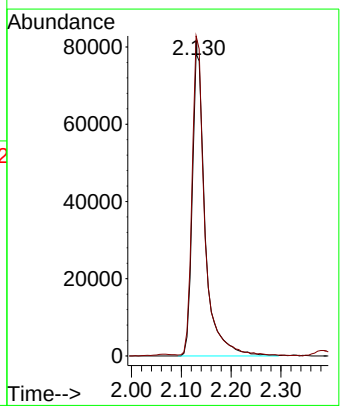


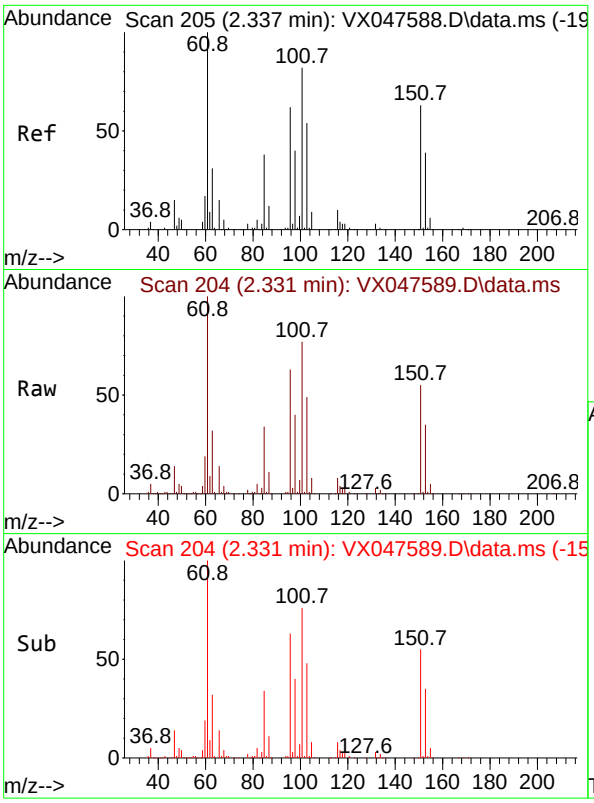


#8
Diethyl Ether
Concen: 103.695 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 74 Resp: 142038

Ion	Ratio	Lower	Upper
74	100		
45	104.6	52.3	156.8



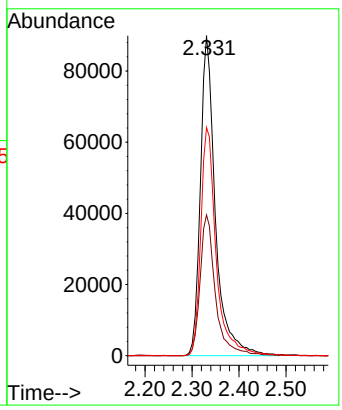


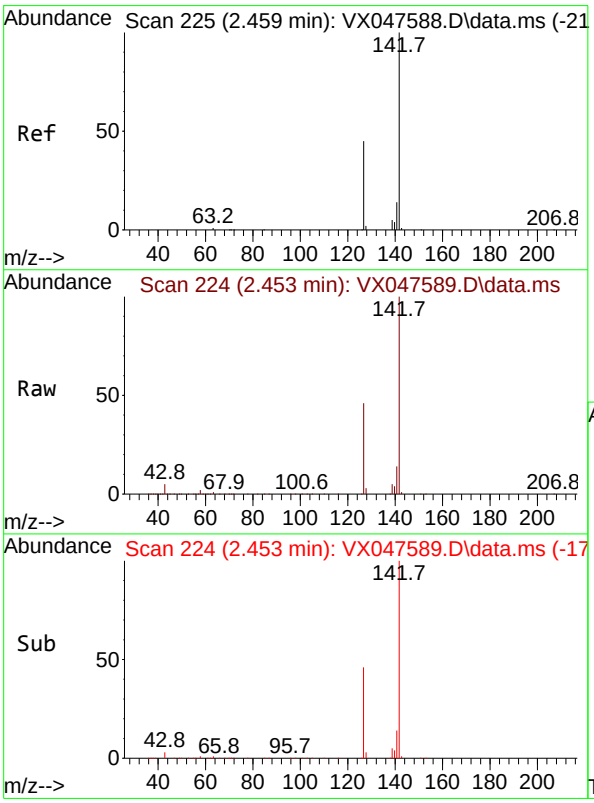
#9
1,1,2-Trichlorotrifluoroethane
Concen: 102.067 ug/l
RT: 2.331 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:101 Resp: 199843

Ion	Ratio	Lower	Upper
101	100		
85	45.1	35.5	53.3
151	73.6	59.4	89.0

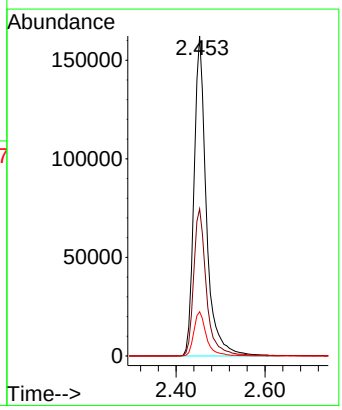


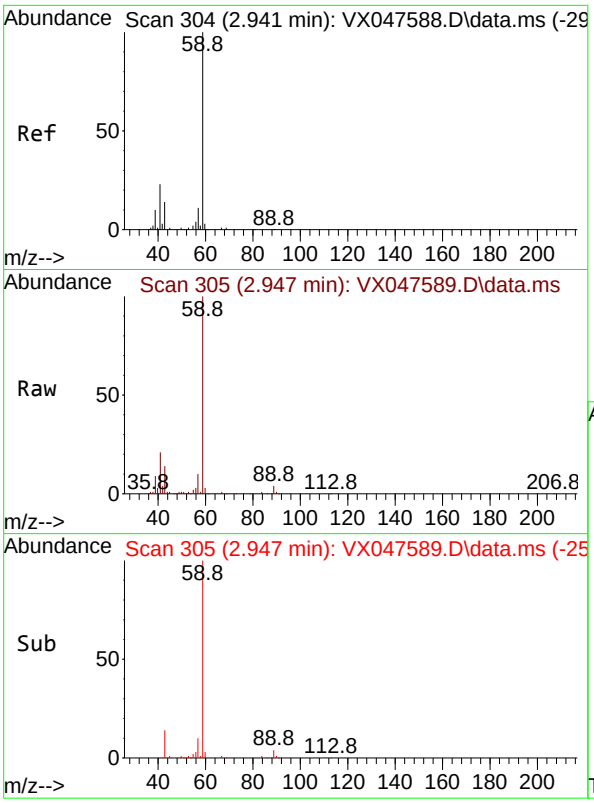


#10
Methyl Iodide
Concen: 102.531 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:142 Resp: 313092

Ion	Ratio	Lower	Upper
142	100		
127	47.3	37.2	55.8
141	14.1	11.4	17.0



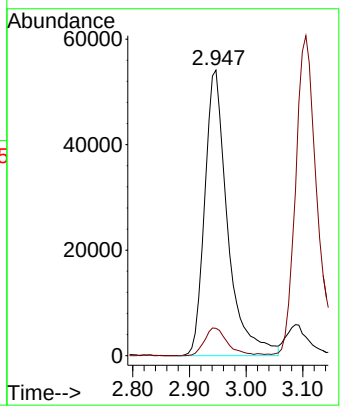


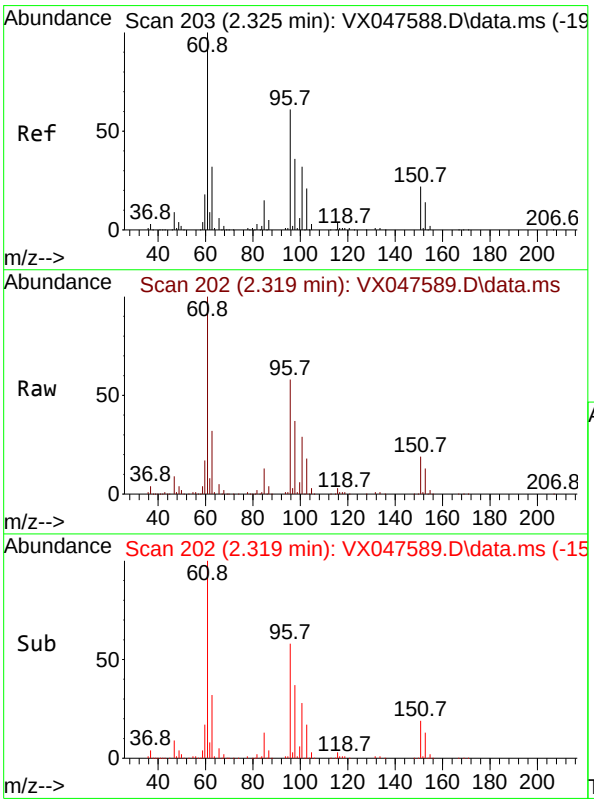
#11
Tert butyl alcohol
Concen: 506.863 ug/l
RT: 2.947 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 59 Resp: 152108

Ion	Ratio	Lower	Upper
59	100		
57	9.7	8.3	12.5

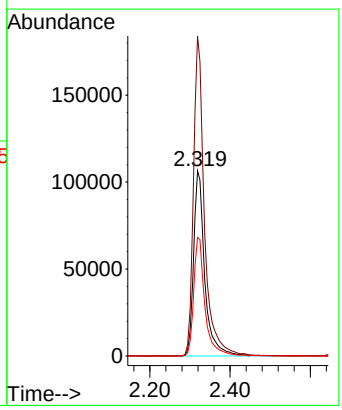


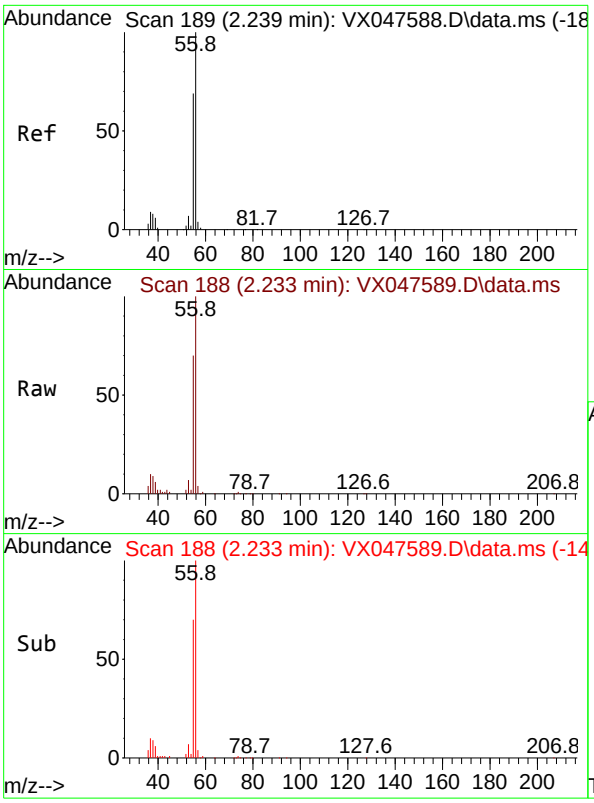


#12
1,1-Dichloroethene
Concen: 102.473 ug/l
RT: 2.319 min Scan# 202
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 96 Resp: 206097

Ion	Ratio	Lower	Upper
96	100		
61	172.9	131.0	196.6
98	64.0	47.7	71.5



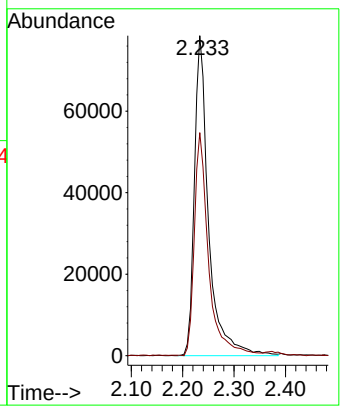


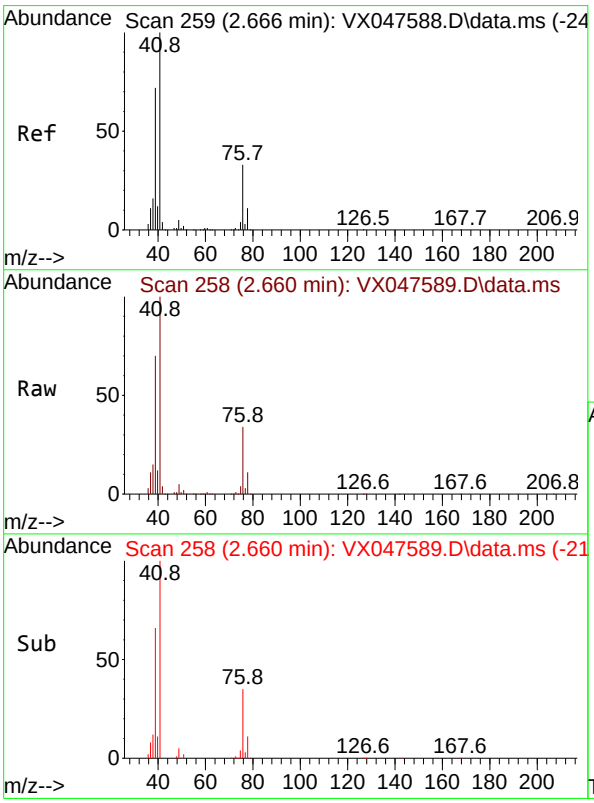
#13
Acrolein
Concen: 545.276 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 56 Resp: 150793

Ion	Ratio	Lower	Upper
56	100		
55	69.4	57.2	85.8

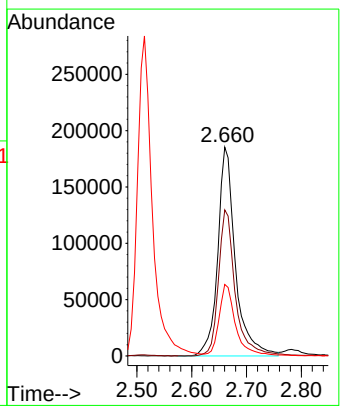


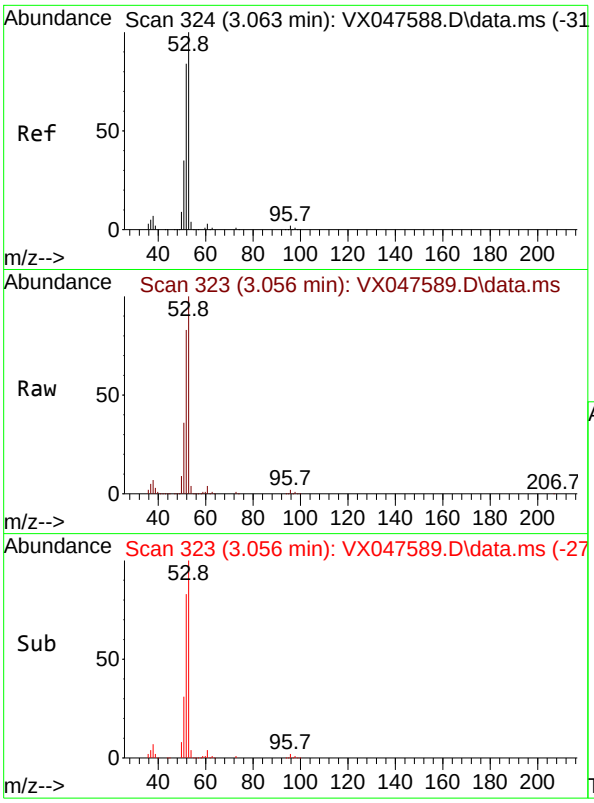


#14
Allyl chloride
Concen: 100.028 ug/l
RT: 2.660 min Scan# 258
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 41 Resp: 415140

Ion	Ratio	Lower	Upper
41	100		
39	67.0	54.7	82.1
76	32.2	25.7	38.5



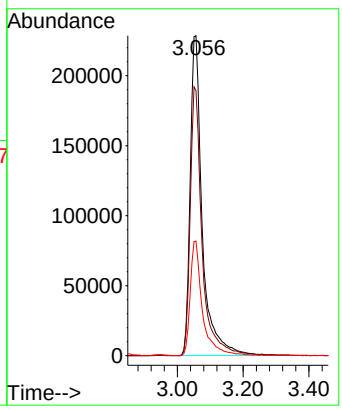


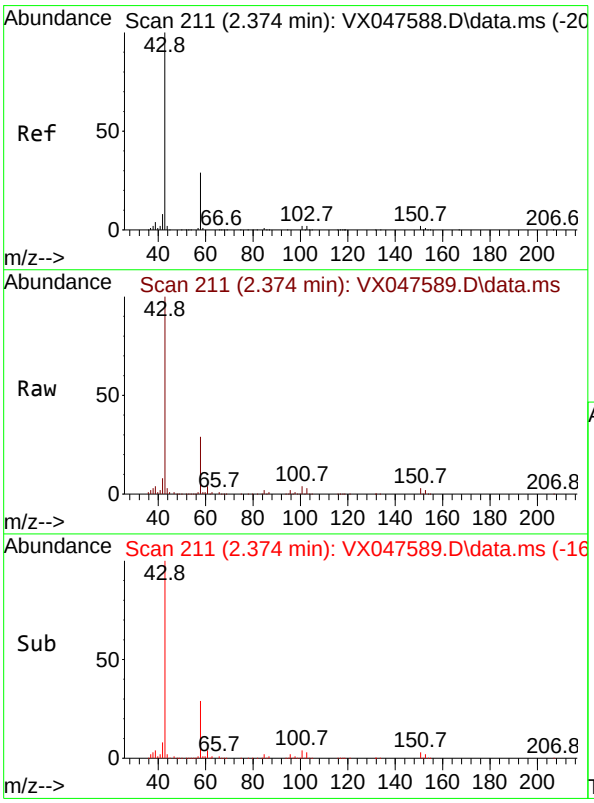
#15
Acrylonitrile
Concen: 522.897 ug/l
RT: 3.056 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 53 Resp: 581240

Ion	Ratio	Lower	Upper
53	100		
52	82.9	66.4	99.6
51	36.4	29.5	44.3

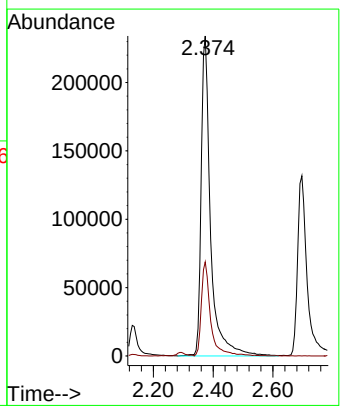


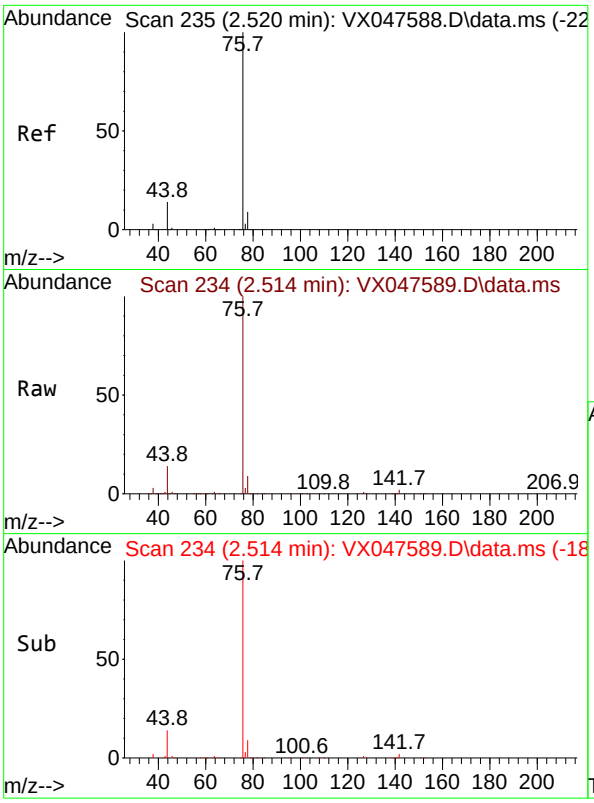


#16
Acetone
Concen: 435.772 ug/l
RT: 2.374 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 43 Resp: 510542

Ion	Ratio	Lower	Upper
43	100		
58	29.4	23.4	35.0



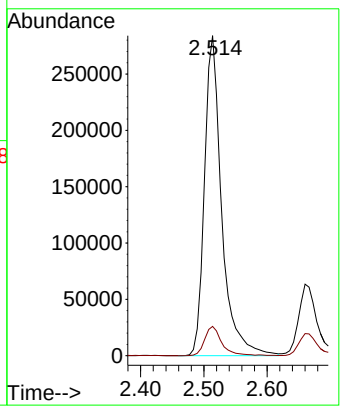


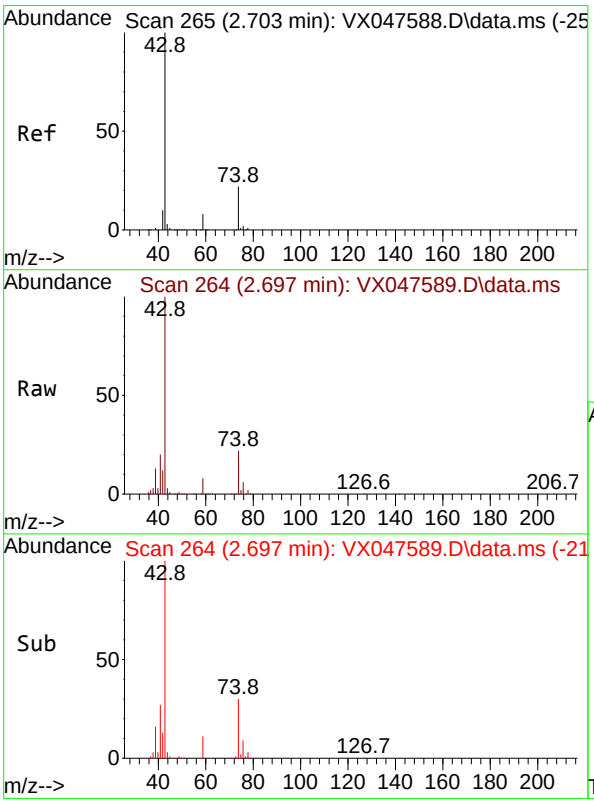
#17
Carbon Disulfide
Concen: 97.693 ug/l
RT: 2.514 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 76 Resp: 537888

Ion	Ratio	Lower	Upper
76	100		
78	9.2	6.8	10.2

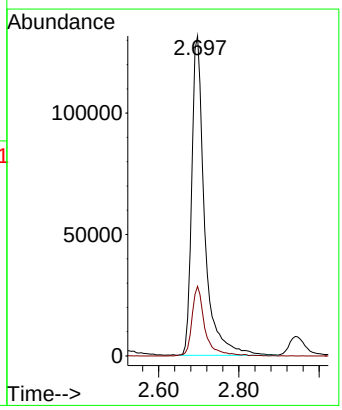


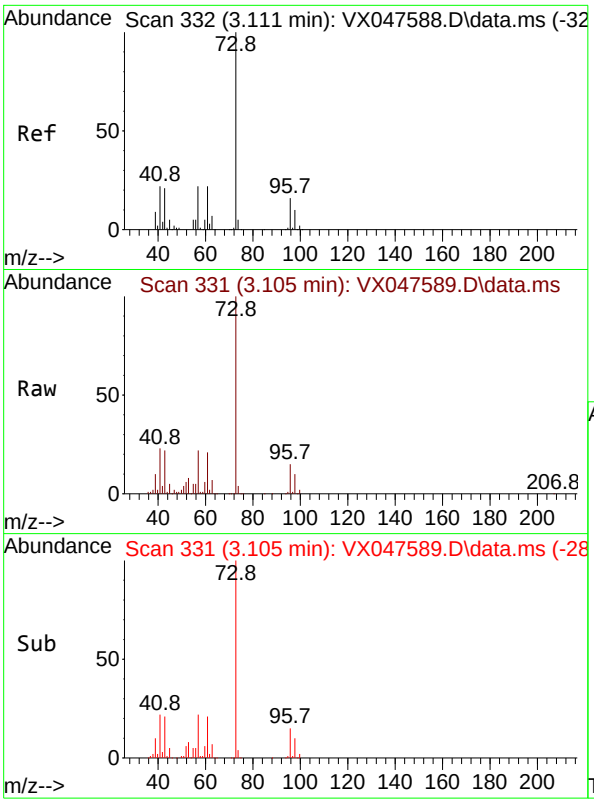


#18
Methyl Acetate
Concen: 112.324 ug/l
RT: 2.697 min Scan# 264
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 43 Resp: 292867

Ion	Ratio	Lower	Upper
43	100		
74	21.8	17.4	26.2



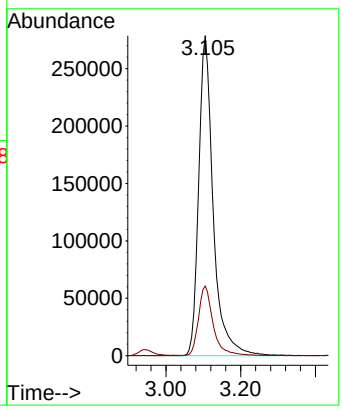


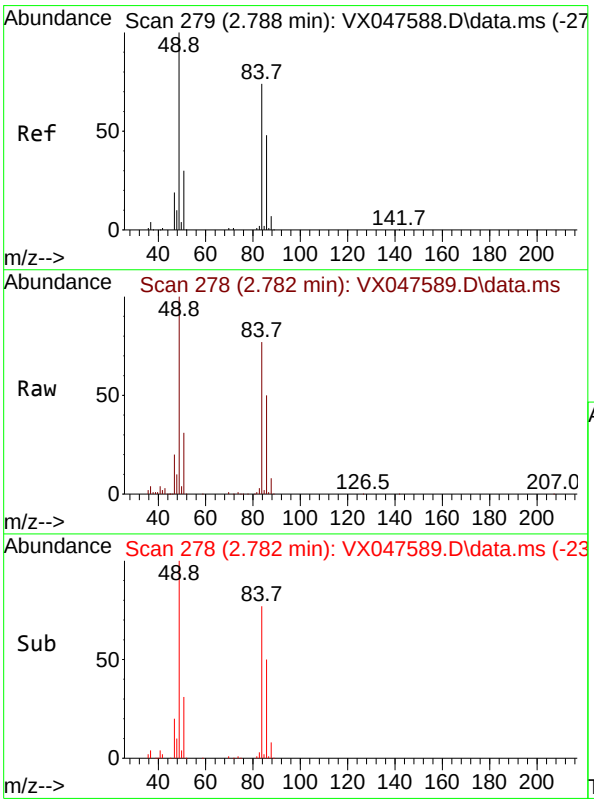
#19
Methyl tert-butyl Ether
Concen: 102.011 ug/l
RT: 3.105 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 73 Resp: 748952

Ion	Ratio	Lower	Upper
73	100		
57	21.7	17.4	26.2

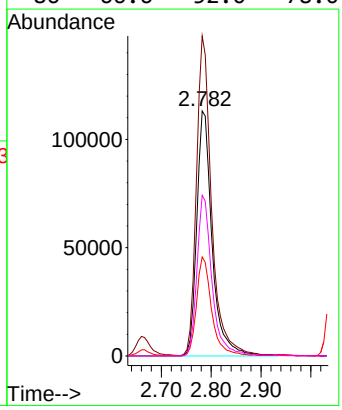


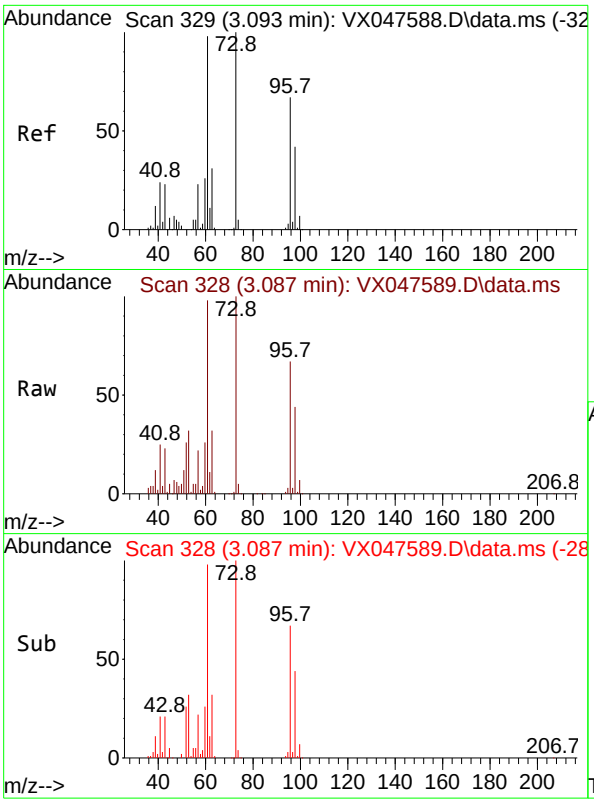


#20
Methylene Chloride
Concen: 97.805 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 84 Resp: 242548

Ion	Ratio	Lower	Upper
84	100		
49	130.4	108.6	162.8
51	40.3	32.6	48.8
86	66.6	52.0	78.0



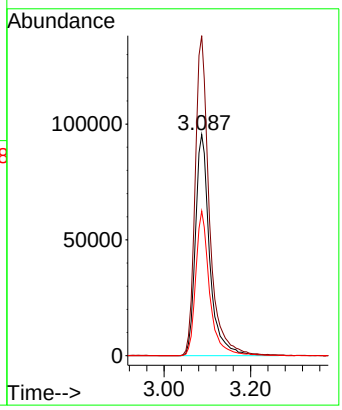


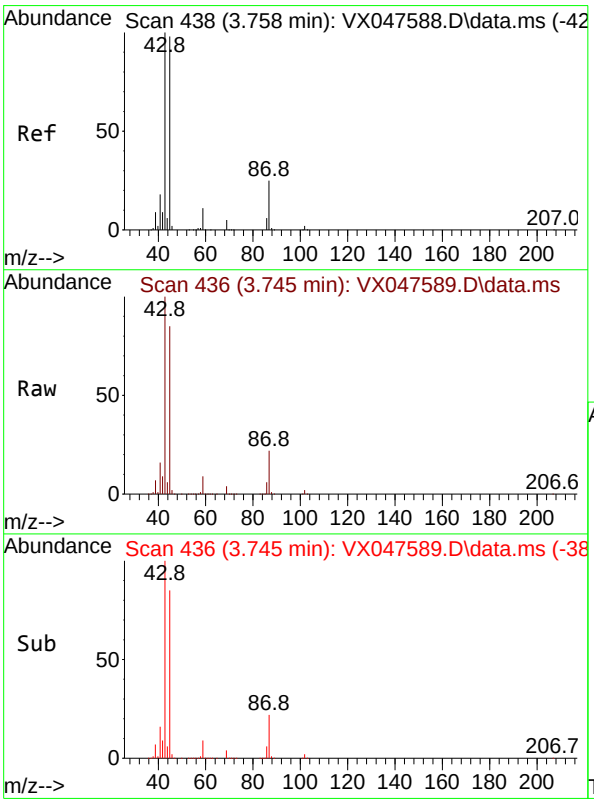
#21
trans-1,2-Dichloroethene
Concen: 100.566 ug/l
RT: 3.087 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 96 Resp: 217759

Ion	Ratio	Lower	Upper
96	100		
61	144.7	116.2	174.2
98	65.4	49.3	73.9

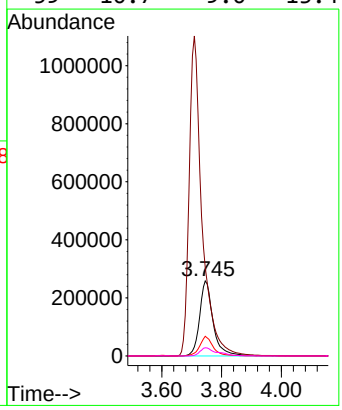


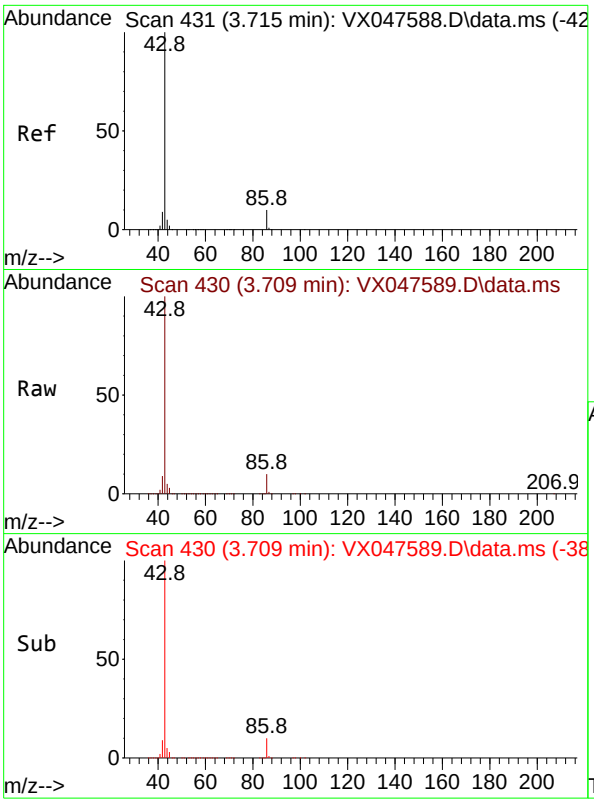


#22
Diisopropyl ether
Concen: 100.934 ug/l
RT: 3.745 min Scan# 436
Delta R.T. -0.012 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 45 Resp: 811840

Ion	Ratio	Lower	Upper
45	100		
43	117.3	81.0	121.4
87	26.1	20.3	30.5
59	10.7	9.0	13.4



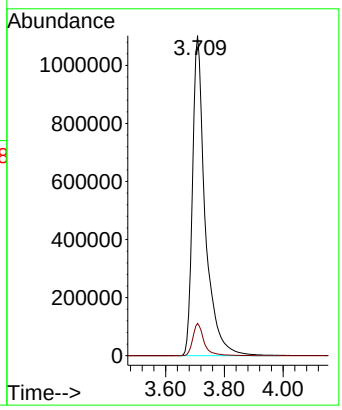


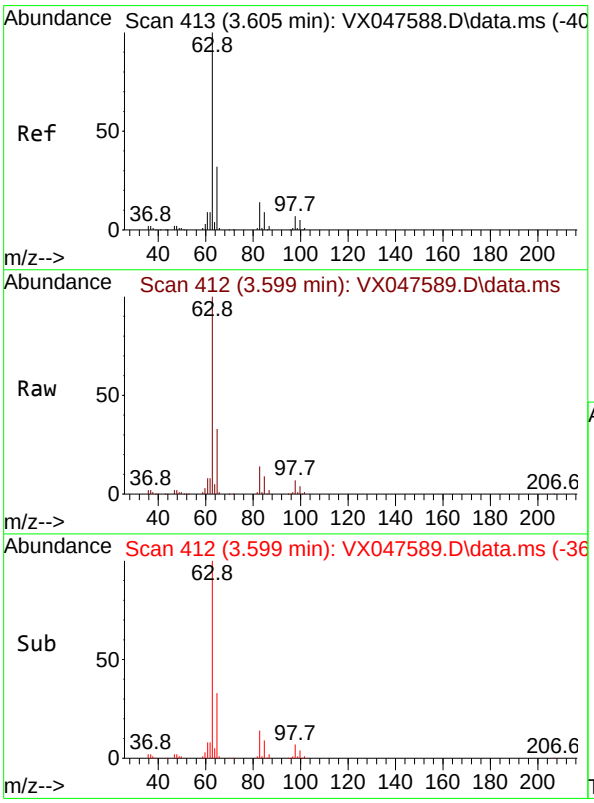
#23
Vinyl Acetate
Concen: 514.916 ug/l
RT: 3.709 min Scan# 4
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 3314707

Ion	Ratio	Lower	Upper
43	100		
86	10.1	7.8	11.8

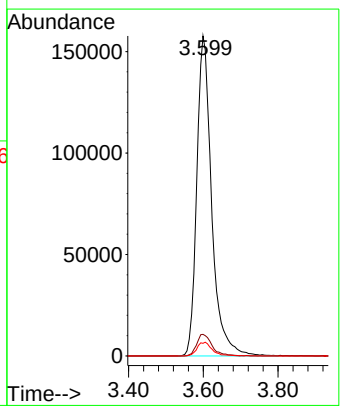


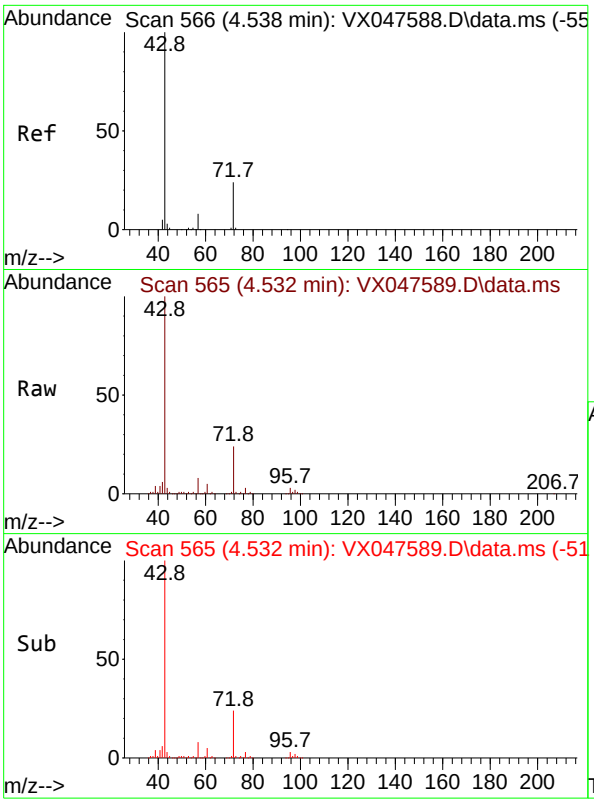


#24
1,1-Dichloroethane
Concen: 101.944 ug/l
RT: 3.599 min Scan# 412
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 63 Resp: 435815

Ion	Ratio	Lower	Upper
63	100		
98	6.7	3.8	11.2
100	4.0	2.3	6.9



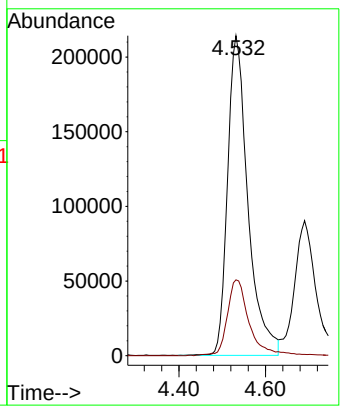


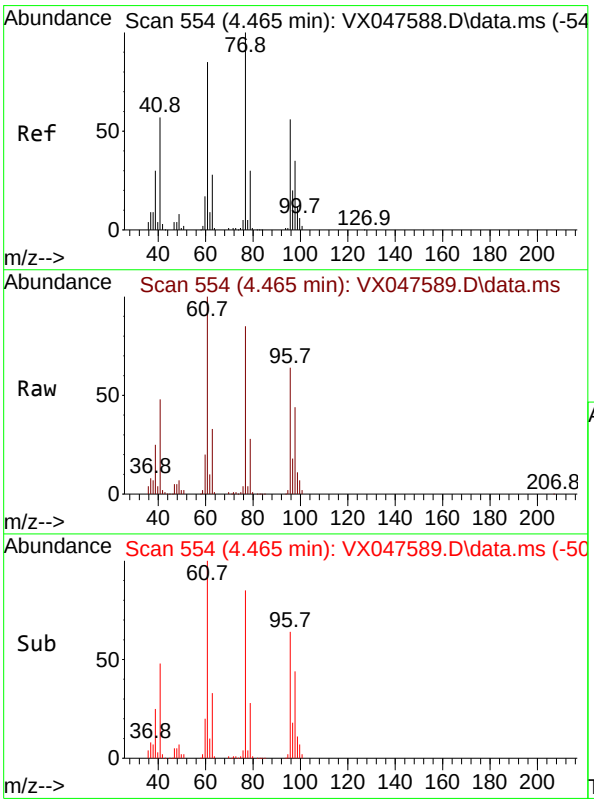
#25
2-Butanone
Concen: 479.558 ug/l
RT: 4.532 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 700827

Ion	Ratio	Lower	Upper
43	100		
72	23.8	20.1	30.1

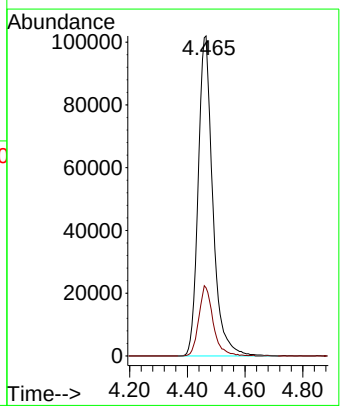


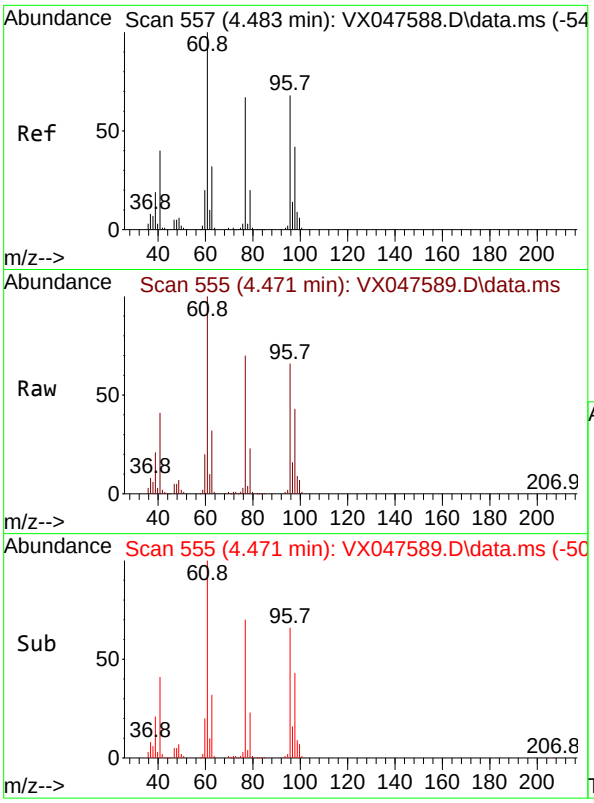


#26
2,2-Dichloropropane
Concen: 100.542 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 77 Resp: 357292

Ion	Ratio	Lower	Upper
77	100		
97	21.6	10.9	32.7



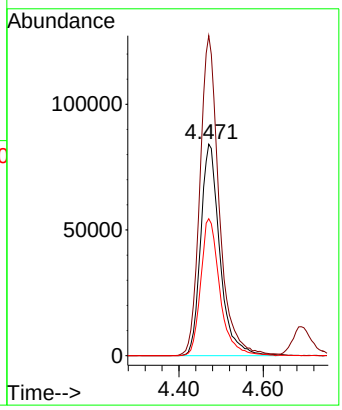


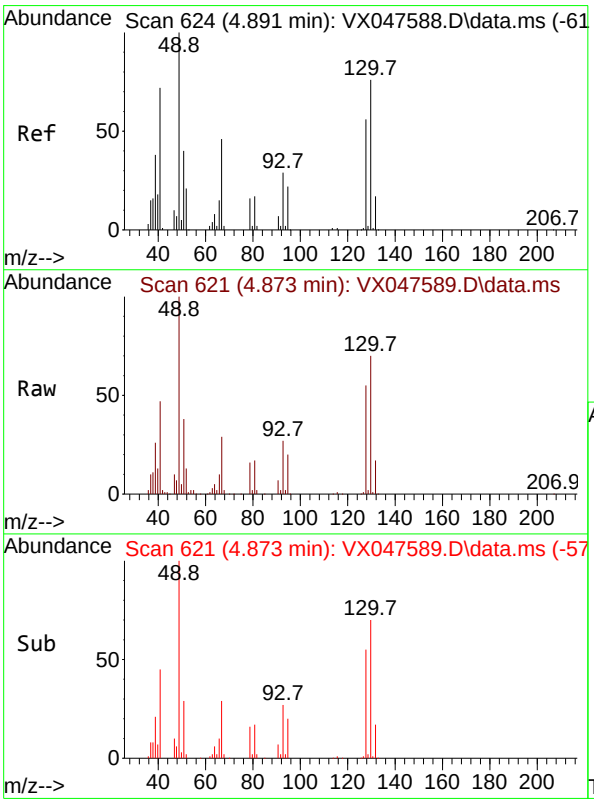
#27
cis-1,2-Dichloroethene
Concen: 100.516 ug/l
RT: 4.471 min Scan# 5
Delta R.T. -0.012 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 96 Resp: 266550

Ion	Ratio	Lower	Upper
96	100		
61	151.5	0.0	303.2
98	64.4	0.0	127.8

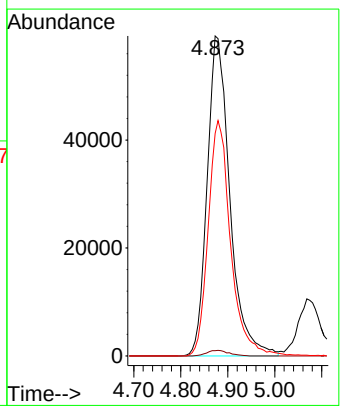


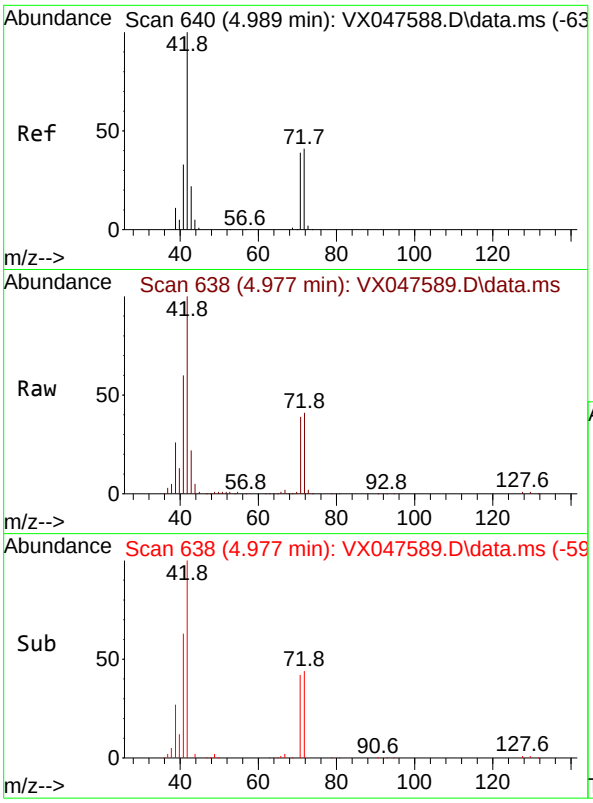


#28
Bromochloromethane
Concen: 106.512 ug/l
RT: 4.873 min Scan# 621
Delta R.T. -0.018 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 49 Resp: 198788

Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.2
130	72.8	57.8	86.8



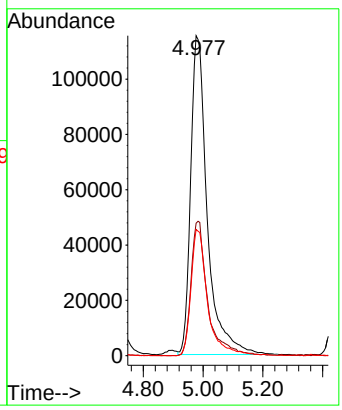


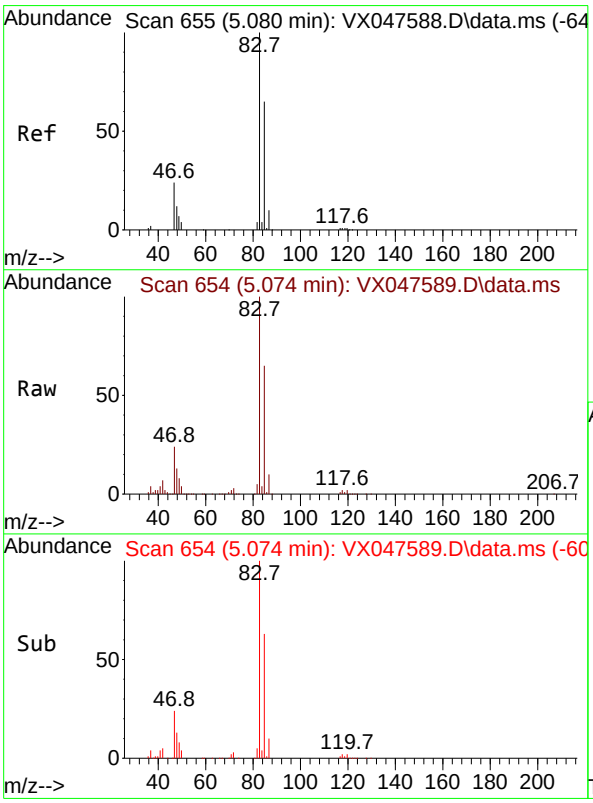
#29
Tetrahydrofuran
Concen: 504.502 ug/l
RT: 4.977 min Scan# 6
Delta R.T. -0.012 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 42 Resp: 443530

Ion	Ratio	Lower	Upper
42	100		
72	42.4	34.2	51.2
71	39.5	31.9	47.9

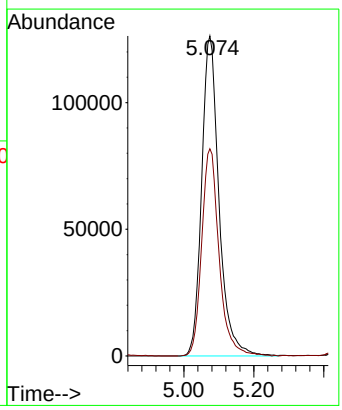


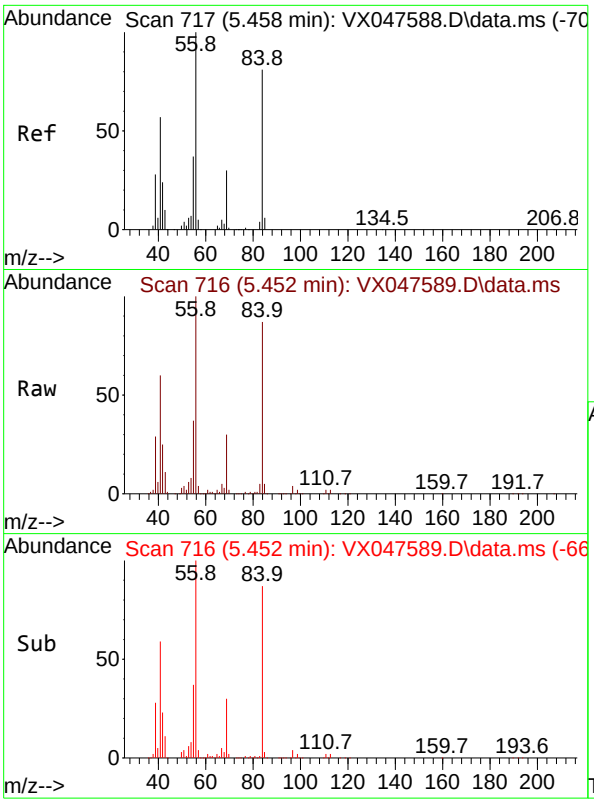


#30
Chloroform
Concen: 100.447 ug/l
RT: 5.074 min Scan# 654
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 83 Resp: 433937

Ion	Ratio	Lower	Upper
83	100		
85	64.8	51.8	77.6



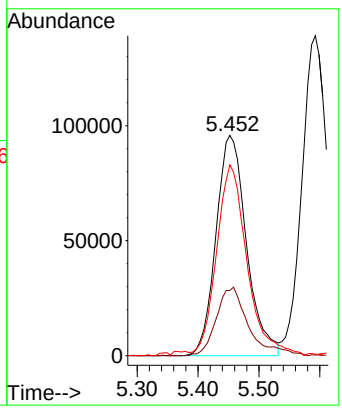


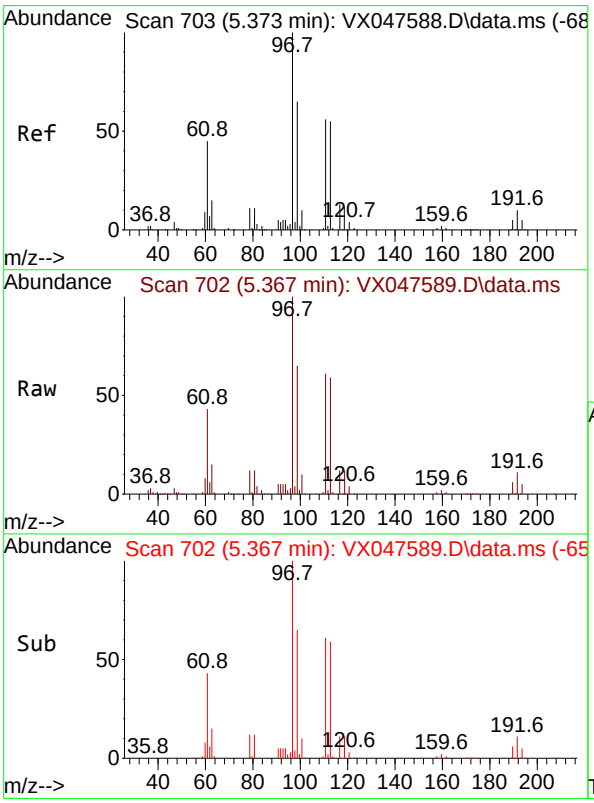
#31
Cyclohexane
Concen: 93.523 ug/l
RT: 5.452 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 56 Resp: 332995

Ion	Ratio	Lower	Upper
56	100		
69	29.0	23.8	35.8
84	84.7	64.6	97.0

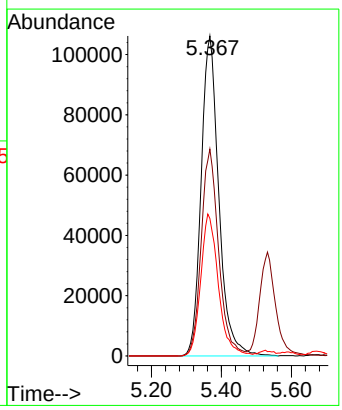


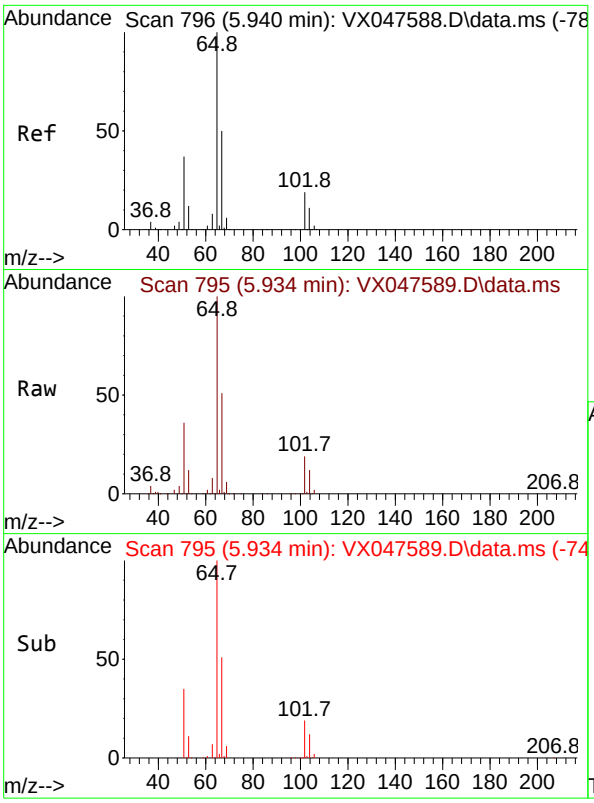


#32
1,1,1-Trichloroethane
Concen: 101.607 ug/l
RT: 5.367 min Scan# 702
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 97 Resp: 372323

Ion	Ratio	Lower	Upper
97	100		
99	63.8	50.6	76.0
61	44.4	35.8	53.8



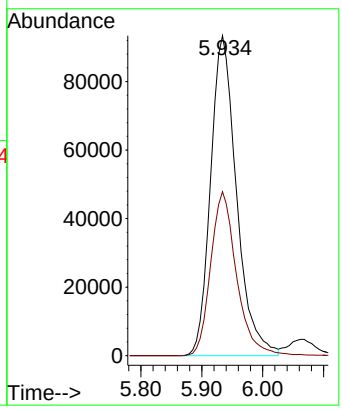


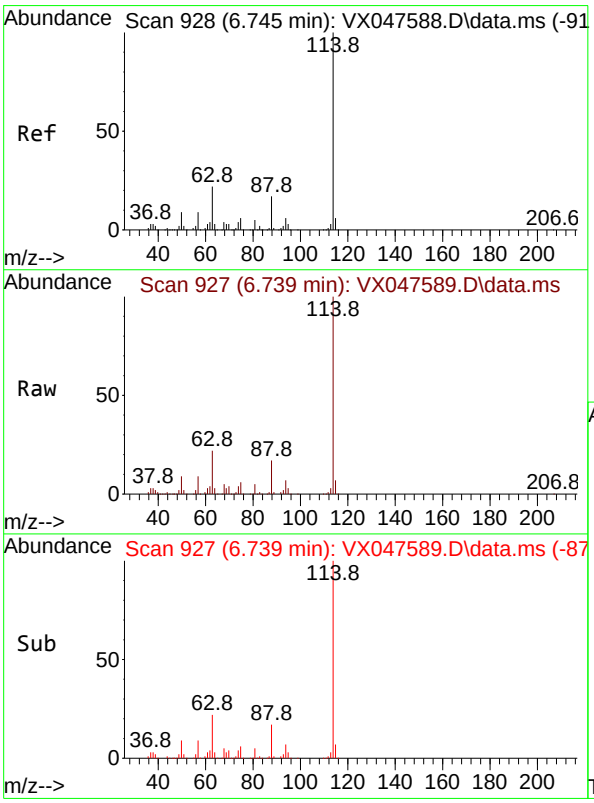
#33
1,2-Dichloroethane-d4
Concen: 102.341 ug/l
RT: 5.934 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 65 Resp: 275758

Ion	Ratio	Lower	Upper
65	100		
67	51.3	0.0	103.0

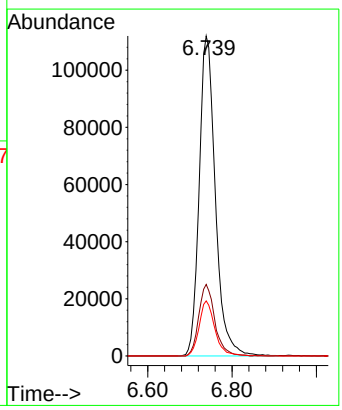


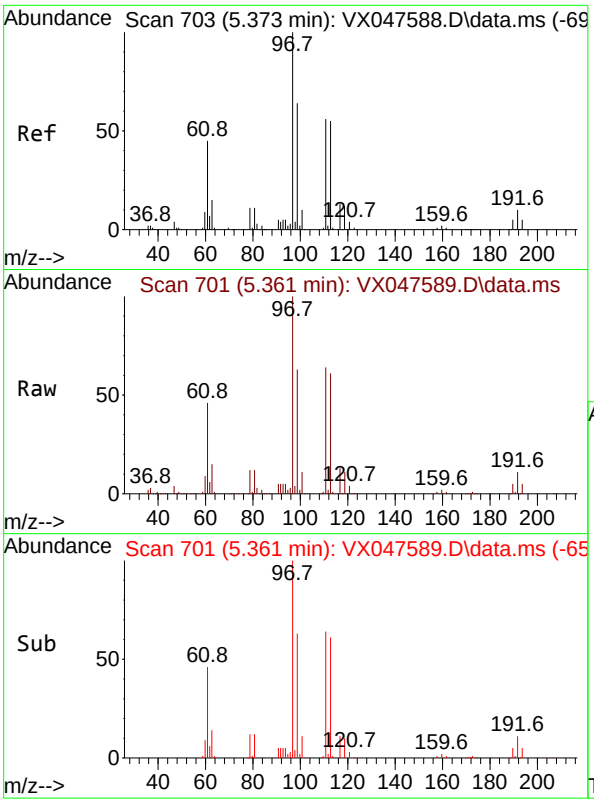


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.739 min Scan# 927
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:114 Resp: 298913

Ion	Ratio	Lower	Upper
114	100		
63	22.3	0.0	44.0
88	17.2	0.0	34.2



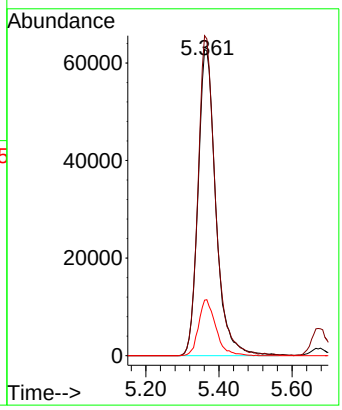


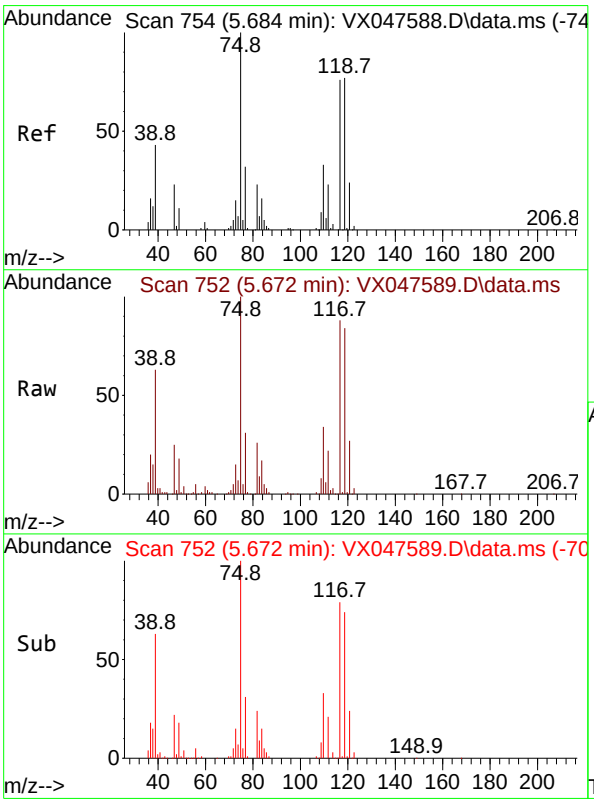
#35
Dibromofluoromethane
Concen: 105.962 ug/l
RT: 5.361 min Scan# 7
Delta R.T. -0.012 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:113 Resp: 212419

Ion	Ratio	Lower	Upper
113	100		
111	101.8	80.9	121.3
192	17.7	14.2	21.4

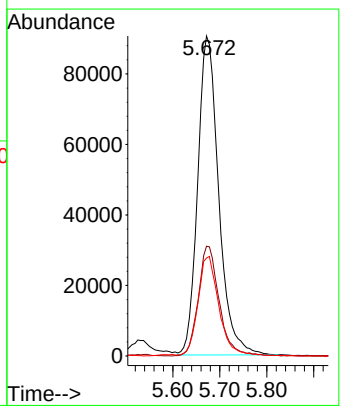


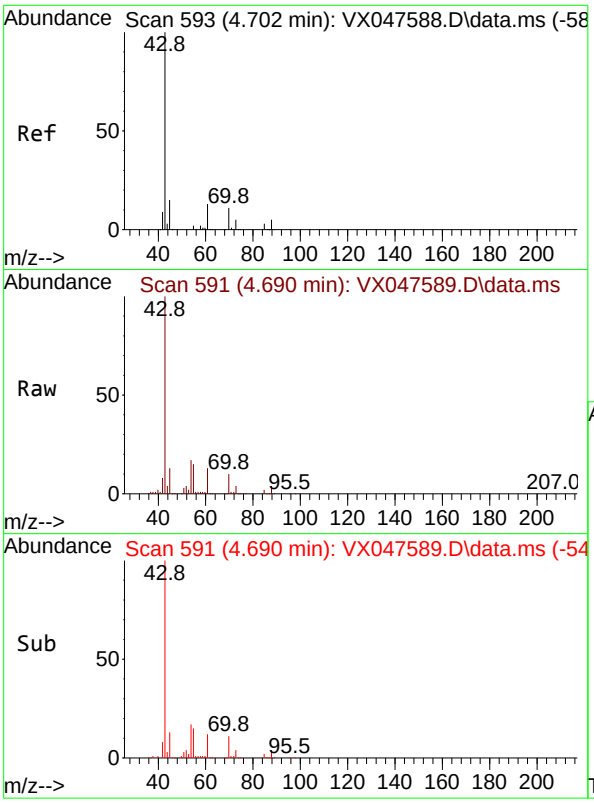


#36
1,1-Dichloropropene
Concen: 96.149 ug/l
RT: 5.672 min Scan# 752
Delta R.T. -0.012 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 75 Resp: 281650

Ion	Ratio	Lower	Upper
75	100		
110	34.3	16.7	50.1
77	31.3	24.3	36.5



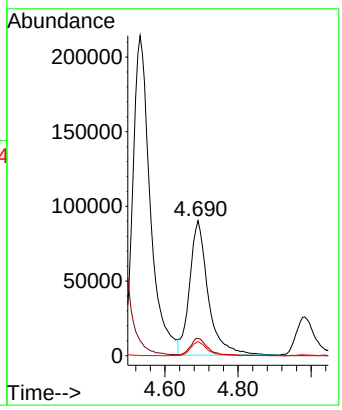


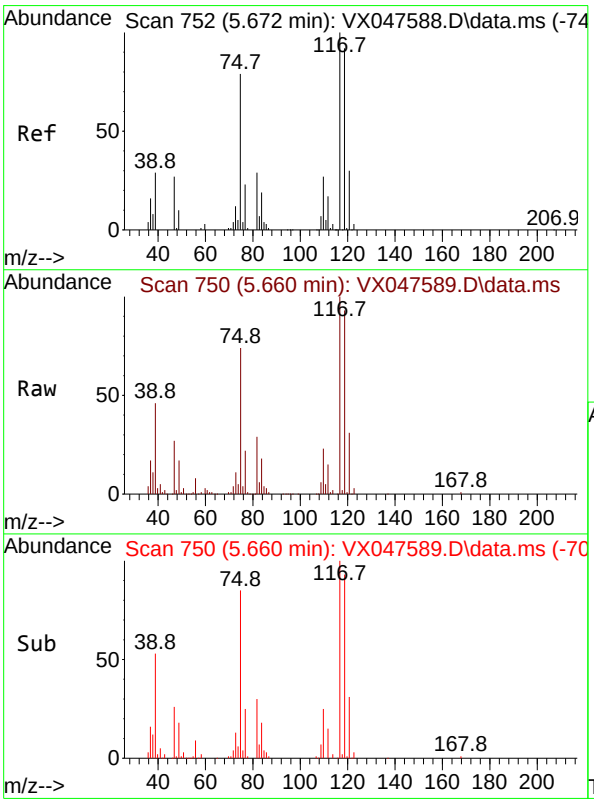
#37
Ethyl Acetate
Concen: 101.641 ug/l
RT: 4.690 min Scan# 5
Delta R.T. -0.012 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 318793

Ion	Ratio	Lower	Upper
43	100		
61	12.0	9.8	14.8
70	9.4	7.9	11.9

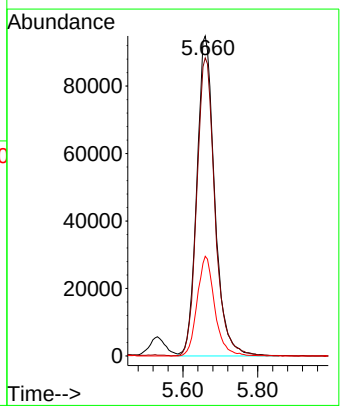


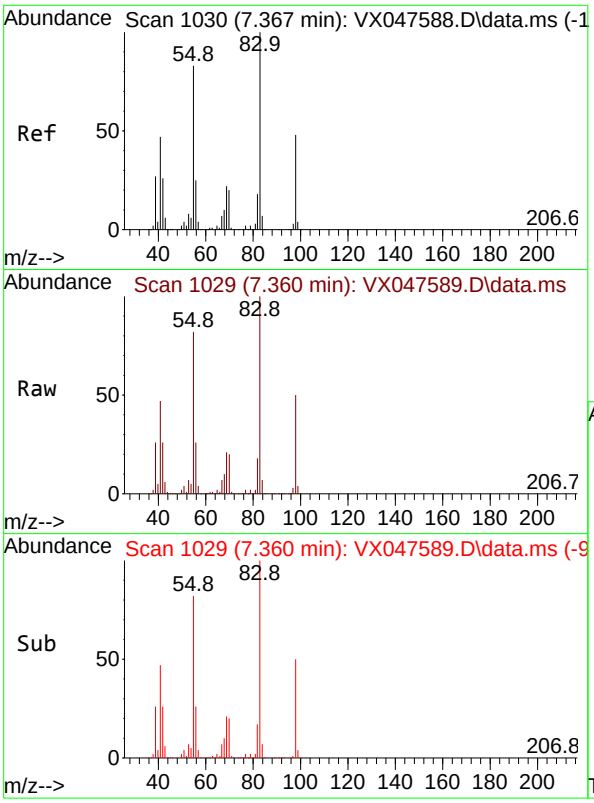


#38
Carbon Tetrachloride
Concen: 98.891 ug/l
RT: 5.660 min Scan# 750
Delta R.T. -0.012 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:117 Resp: 314745

Ion	Ratio	Lower	Upper
117	100		
119	93.0	73.4	110.2
121	31.2	23.8	35.6



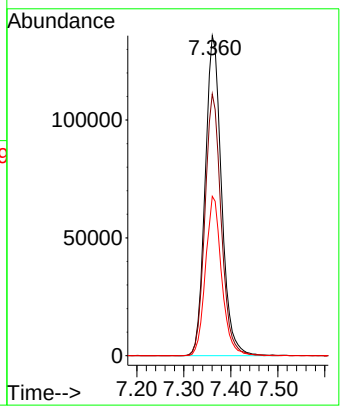


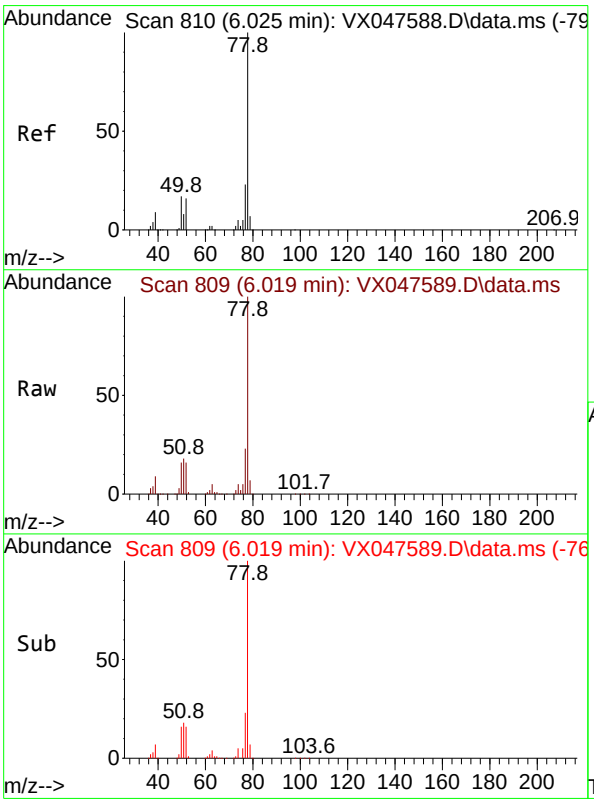
#39
Methylcyclohexane
Concen: 98.600 ug/l
RT: 7.360 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 83 Resp: 327858

Ion	Ratio	Lower	Upper
83	100		
55	81.8	66.4	99.6
98	49.8	38.1	57.1

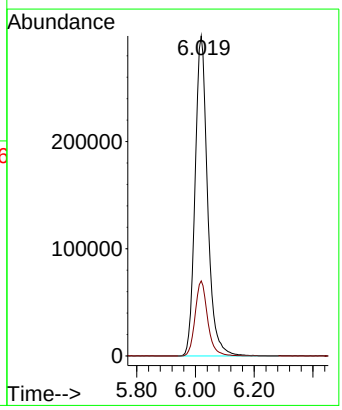


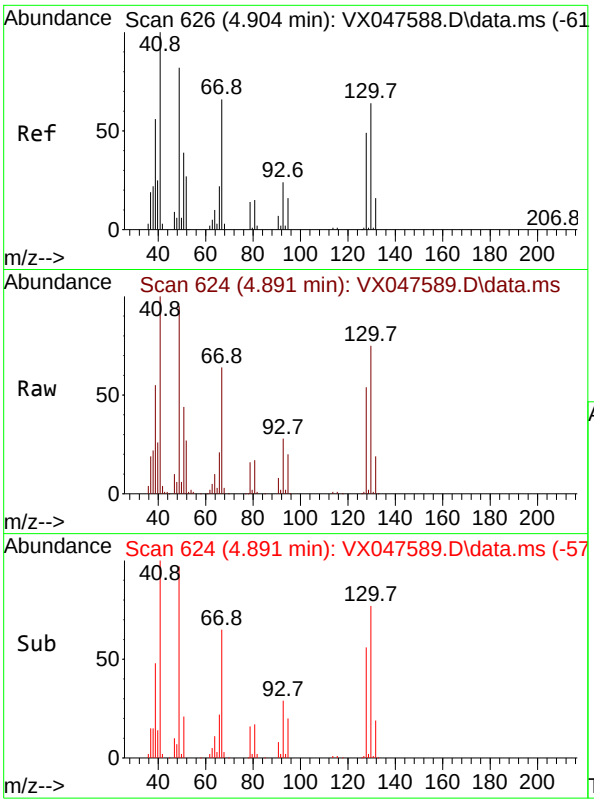


#40
Benzene
Concen: 99.009 ug/l
RT: 6.019 min Scan# 809
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 78 Resp: 880885

Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.8	28.2



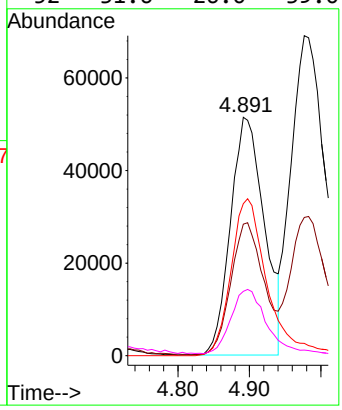


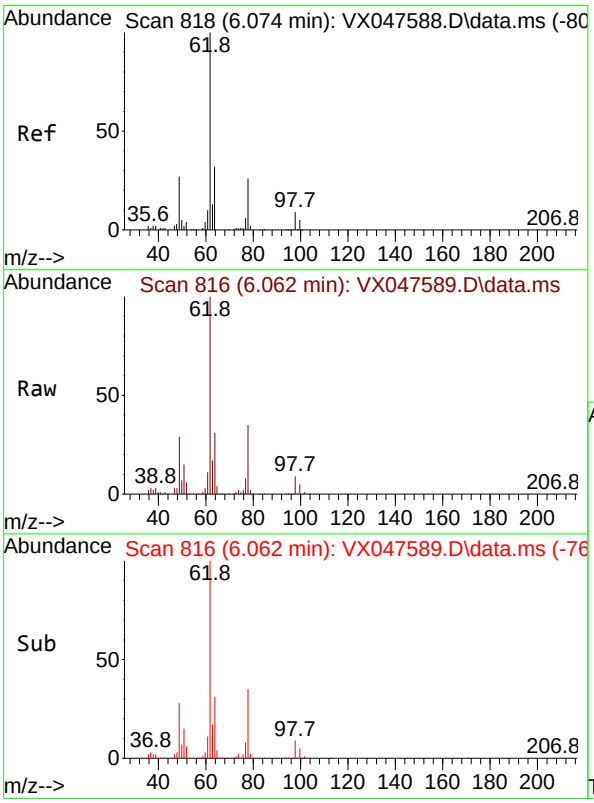
#41
Methacrylonitrile
Concen: 104.220 ug/l
RT: 4.891 min Scan# 6
Delta R.T. -0.012 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 41 Resp: 168753

Ion	Ratio	Lower	Upper
41	100		
39	54.6	43.3	64.9
67	72.1	58.6	87.8
52	31.6	26.0	39.0

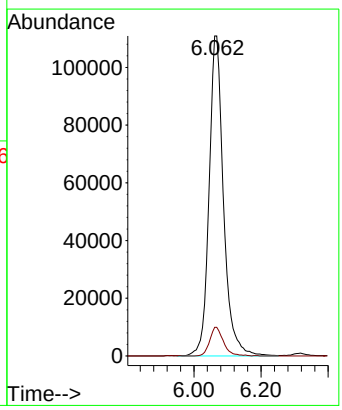


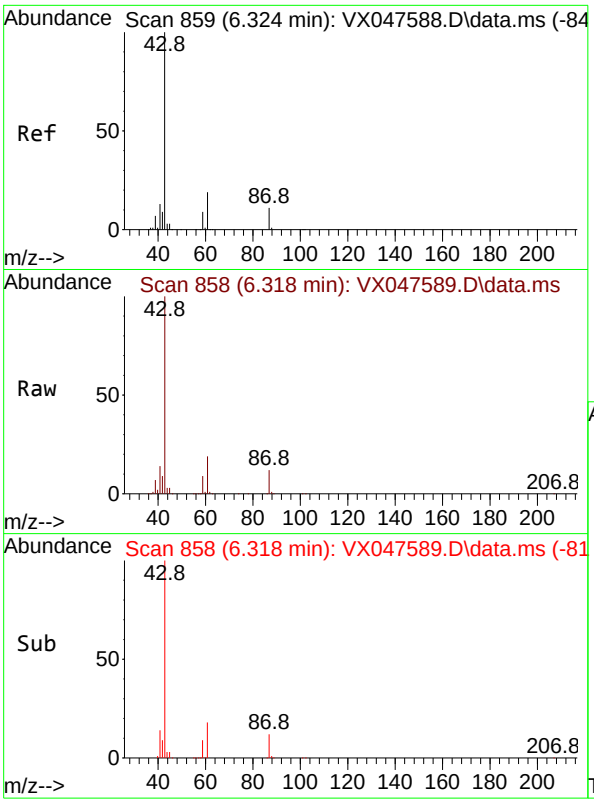


#42
1,2-Dichloroethane
Concen: 97.916 ug/l
RT: 6.062 min Scan# 816
Delta R.T. -0.012 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 62 Resp: 331465

Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	17.0



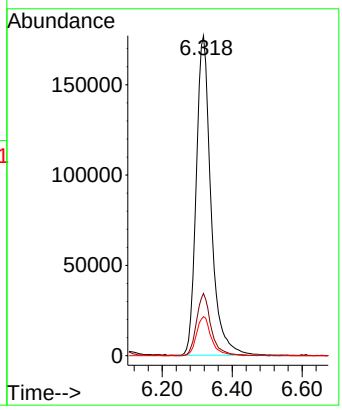


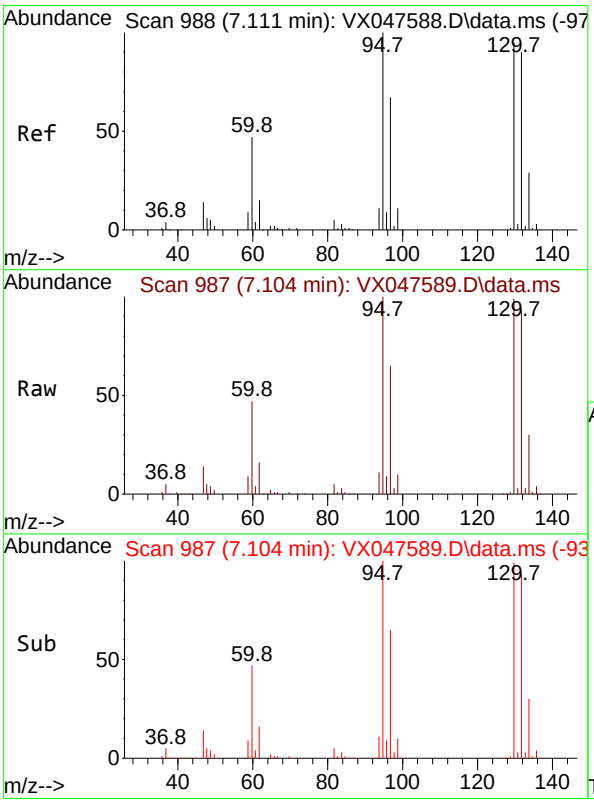
#43
Isopropyl Acetate
Concen: 100.482 ug/l
RT: 6.318 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 516875

Ion	Ratio	Lower	Upper
43	100		
61	19.3	15.2	22.8
87	12.3	9.6	14.4

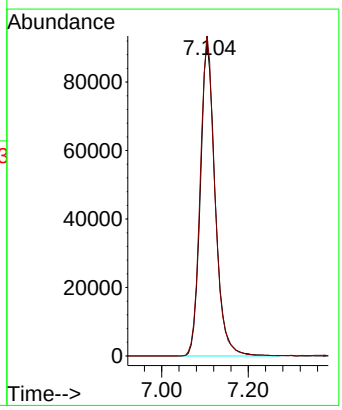


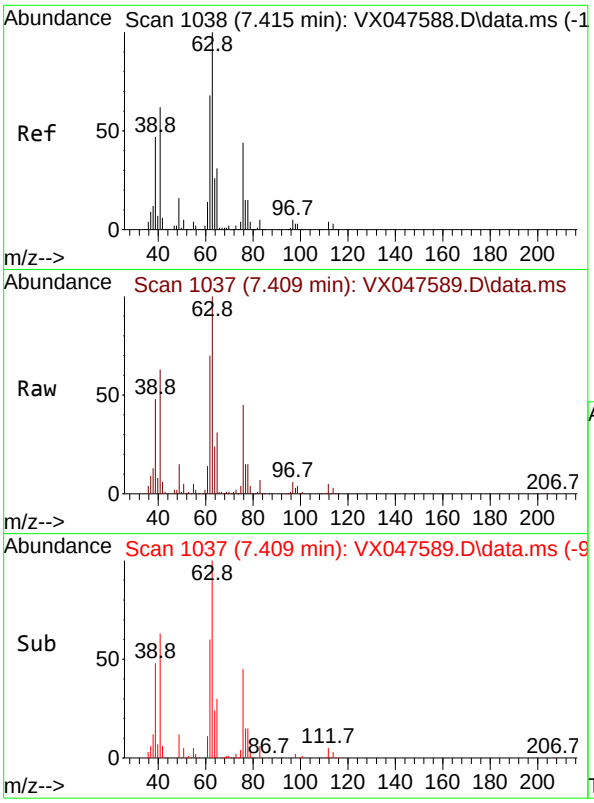


#44
Trichloroethene
Concen: 101.234 ug/l
RT: 7.104 min Scan# 987
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:130 Resp: 217753

Ion	Ratio	Lower	Upper
130	100		
95	101.4	0.0	210.8



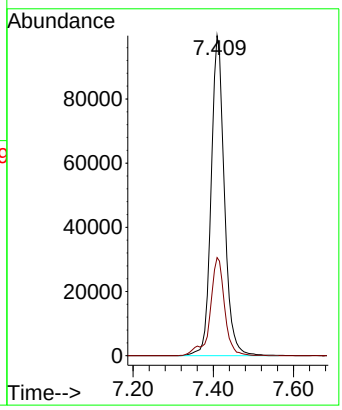


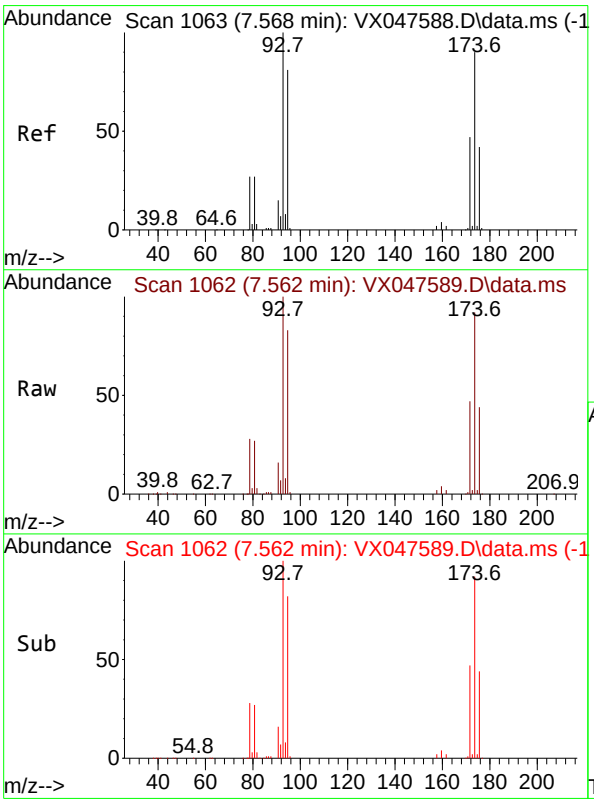
#45
1,2-Dichloropropane
Concen: 100.145 ug/l
RT: 7.409 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 63 Resp: 228150

Ion	Ratio	Lower	Upper
63	100		
65	30.7	24.7	37.1

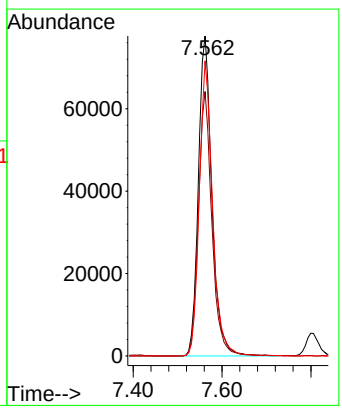


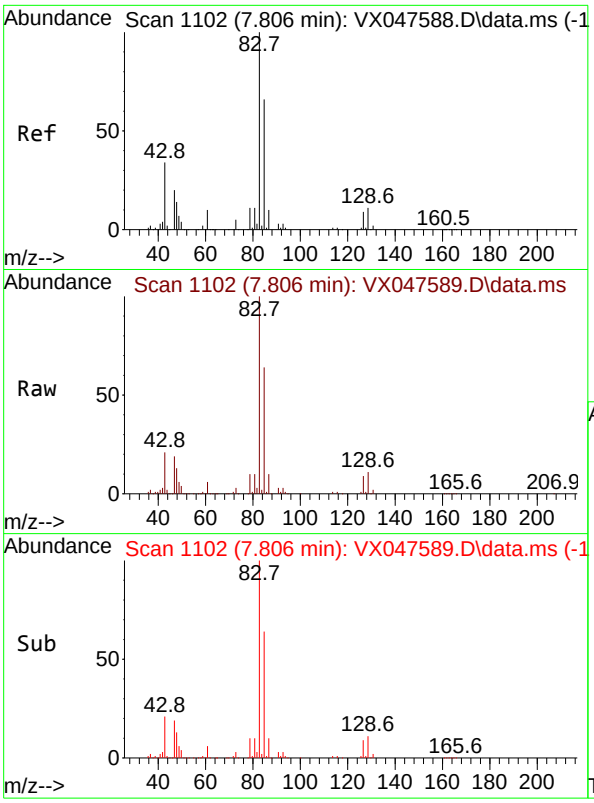


#46
Dibromomethane
Concen: 99.519 ug/l
RT: 7.562 min Scan# 1062
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 93 Resp: 164987

Ion	Ratio	Lower	Upper
93	100		
95	82.1	65.0	97.6
174	90.5	71.6	107.4



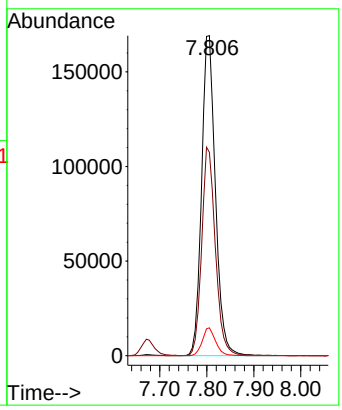


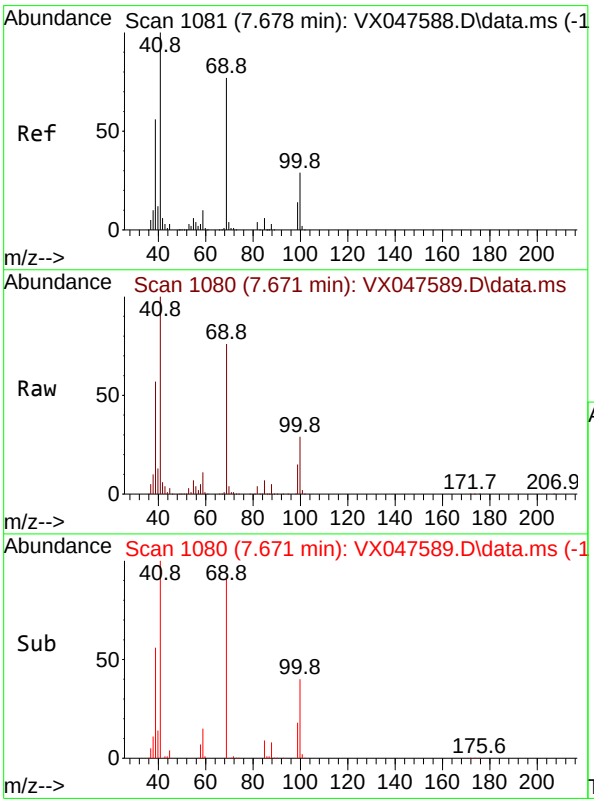
#47
Bromodichloromethane
Concen: 101.136 ug/l
RT: 7.806 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 83 Resp: 345991

Ion	Ratio	Lower	Upper
83	100		
85	63.5	52.5	78.7
127	8.7	6.9	10.3

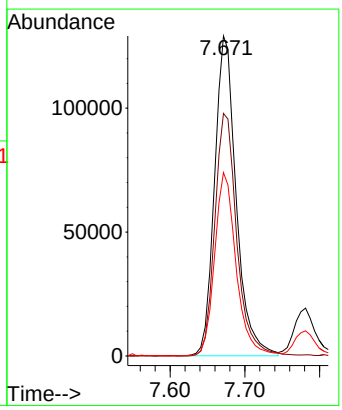


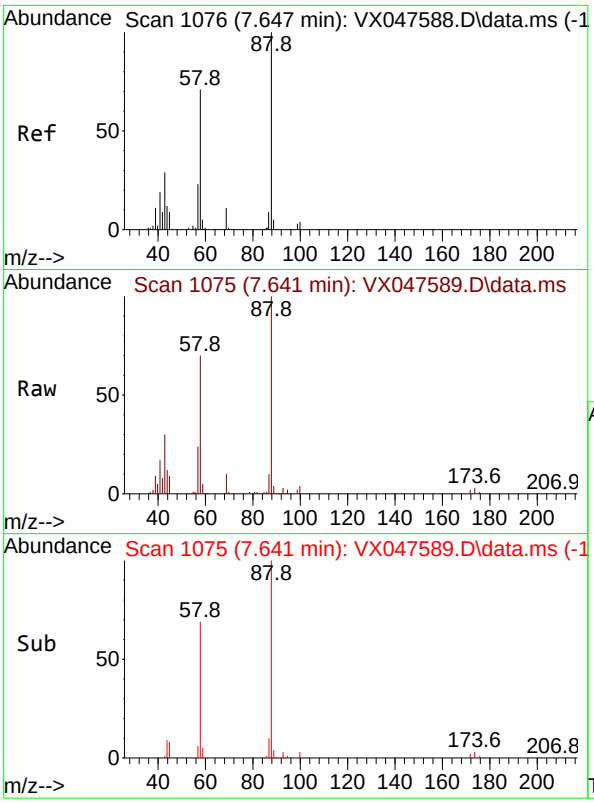


#48
Methyl methacrylate
Concen: 101.612 ug/l
RT: 7.671 min Scan# 1080
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 41 Resp: 260358

Ion	Ratio	Lower	Upper
41	100		
69	77.1	61.4	92.2
39	57.0	45.8	68.6



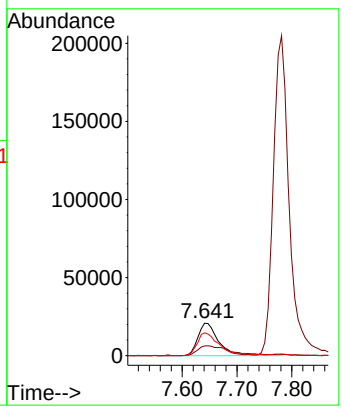


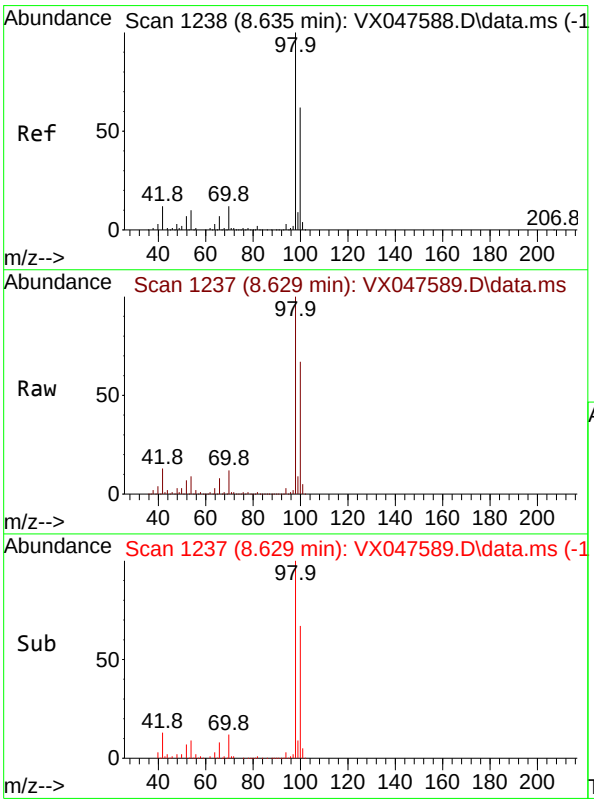
#49
1,4-Dioxane
Concen: 2190.315 ug/l
RT: 7.641 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 88 Resp: 56717

Ion	Ratio	Lower	Upper
88	100		
43	39.4	30.2	45.2
58	74.0	59.5	89.3

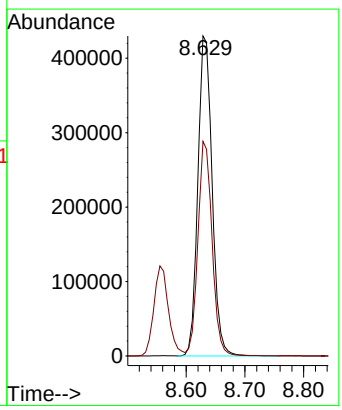


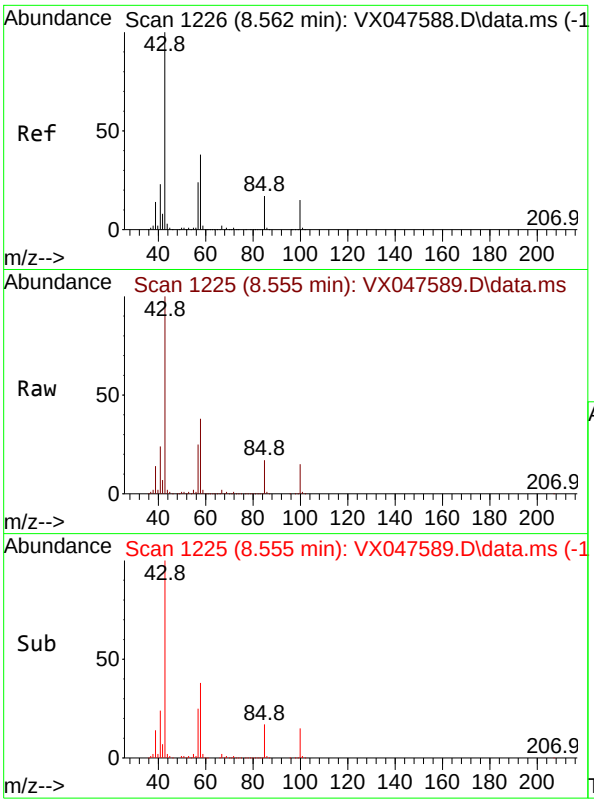


#50
Toluene-d8
Concen: 104.386 ug/l
RT: 8.629 min Scan# 1237
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 98 Resp: 724078

Ion	Ratio	Lower	Upper
98	100		
100	66.3	53.0	79.4



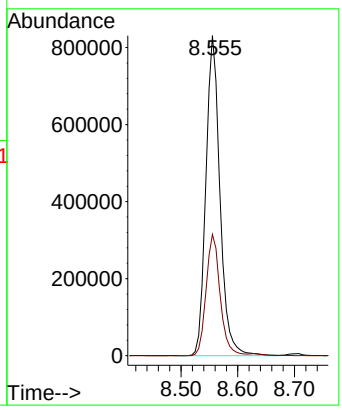


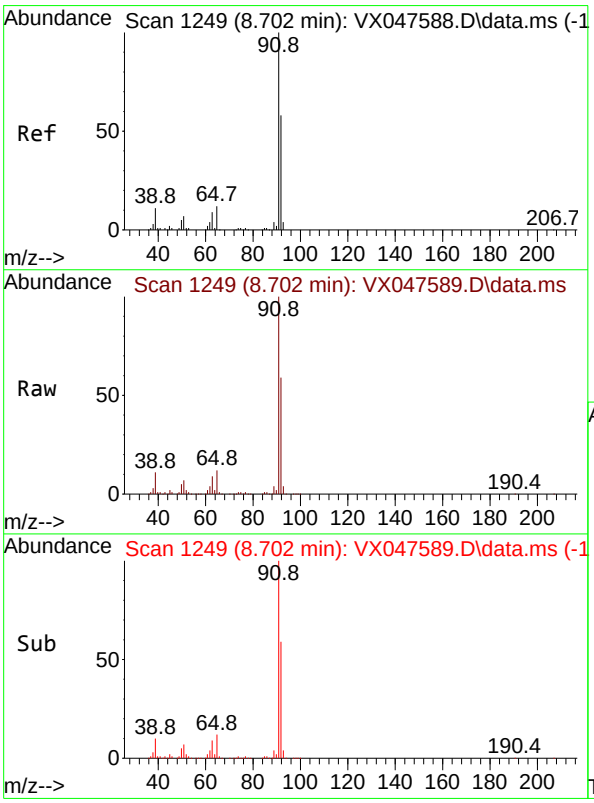
#51
4-Methyl-2-Pentanone
Concen: 501.834 ug/l
RT: 8.555 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 1431253

Ion	Ratio	Lower	Upper
43	100		
58	37.7	30.3	45.5

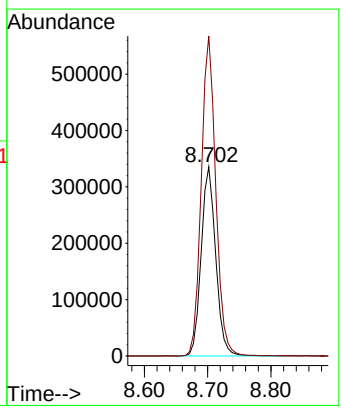


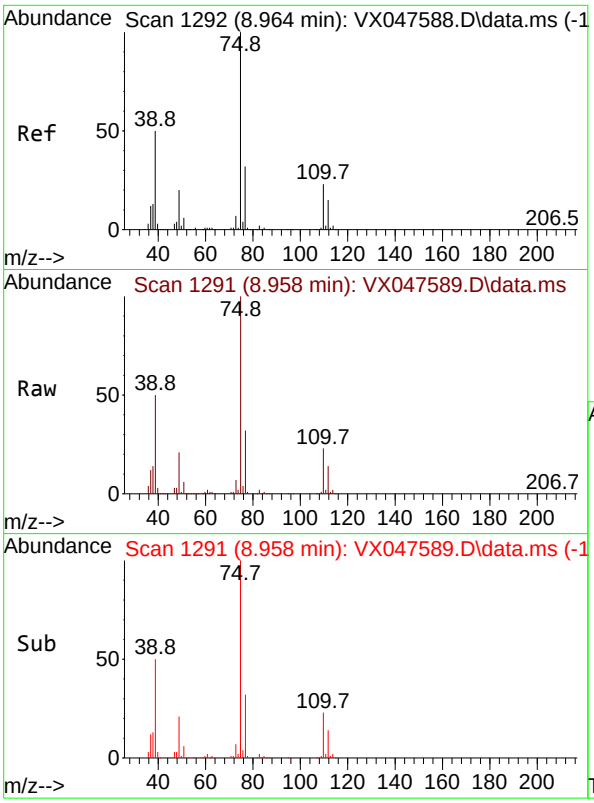


#52
Toluene
Concen: 97.811 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 92 Resp: 536148

Ion	Ratio	Lower	Upper
92	100		
91	169.3	137.1	205.7



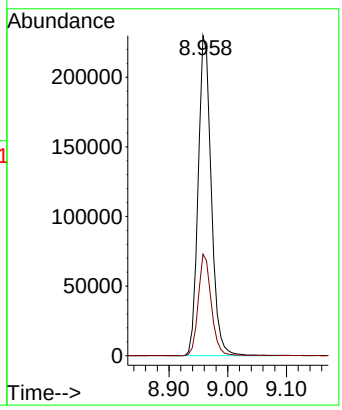


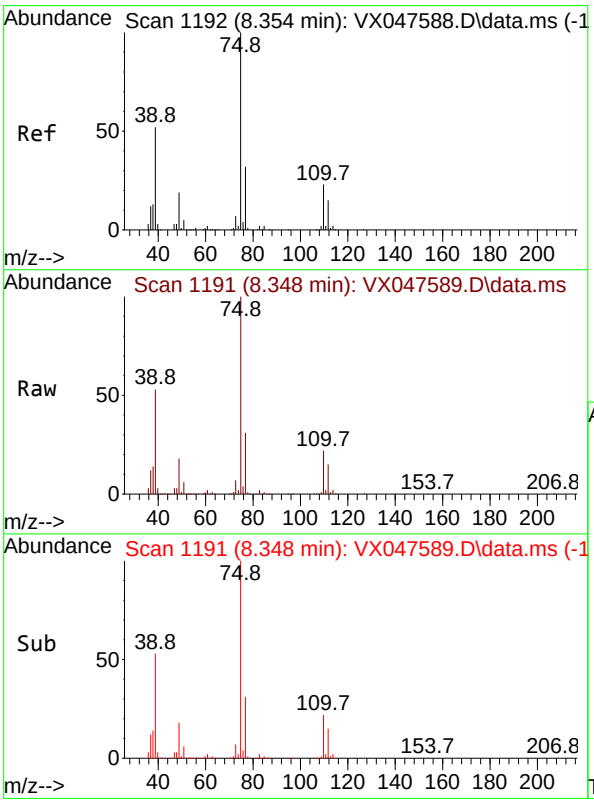
#53
t-1,3-Dichloropropene
Concen: 101.986 ug/l
RT: 8.958 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 75 Resp: 355881

Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.4	38.2

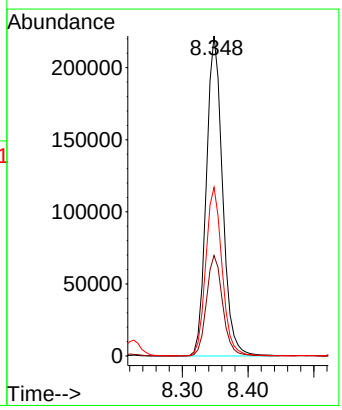


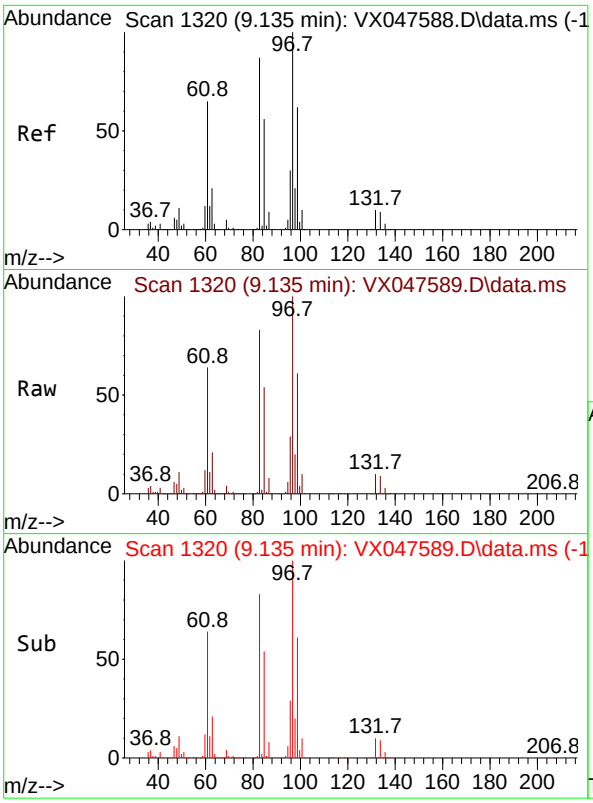


#54
cis-1,3-Dichloropropene
Concen: 102.038 ug/l
RT: 8.348 min Scan# 1191
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 75 Resp: 380577

Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.8	38.6
39	52.3	41.4	62.2



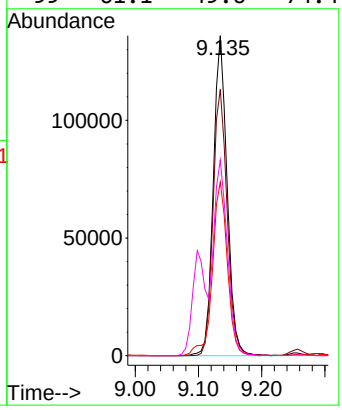


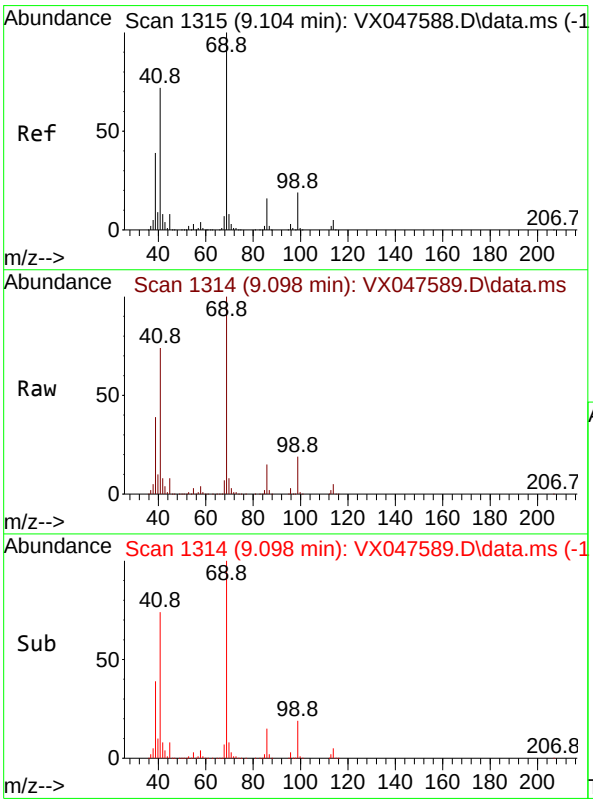
#55
1,1,2-Trichloroethane
Concen: 97.434 ug/l
RT: 9.135 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 97 Resp: 205939

Ion	Ratio	Lower	Upper
97	100		
83	83.2	69.6	104.4
85	54.3	45.0	67.6
99	61.1	49.6	74.4

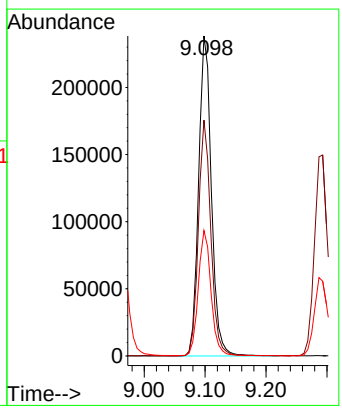


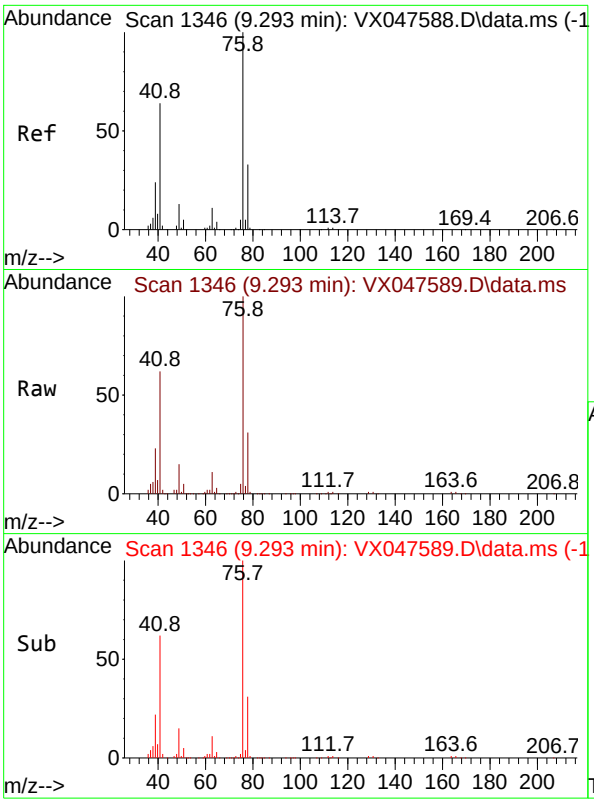


#56
Ethyl methacrylate
Concen: 104.435 ug/l
RT: 9.098 min Scan# 1314
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 69 Resp: 346659

Ion	Ratio	Lower	Upper
69	100		
41	71.7	58.6	87.8
39	39.0	31.5	47.3



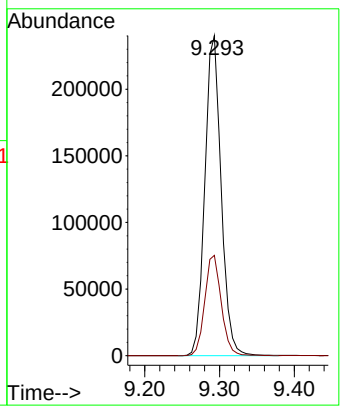


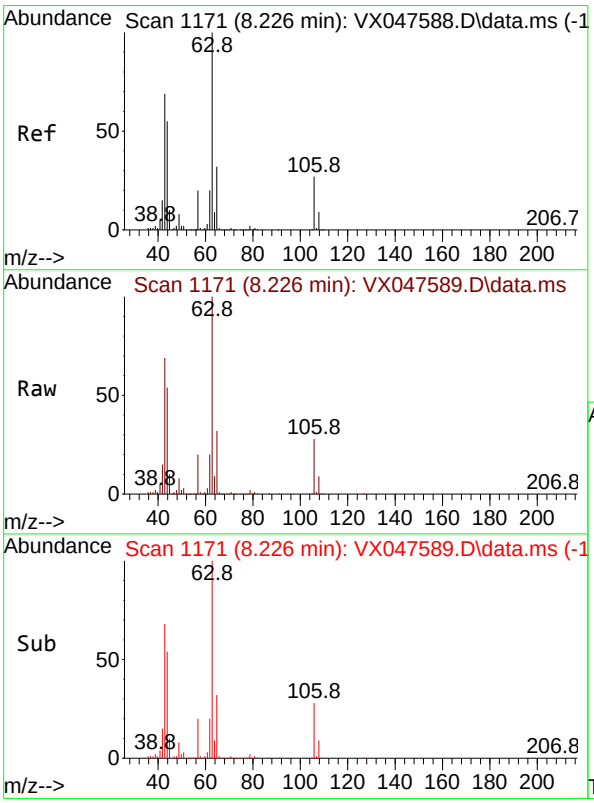
#57
1,3-Dichloropropane
Concen: 99.935 ug/l
RT: 9.293 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 76 Resp: 362848

Ion	Ratio	Lower	Upper
76	100		
78	31.8	26.2	39.4

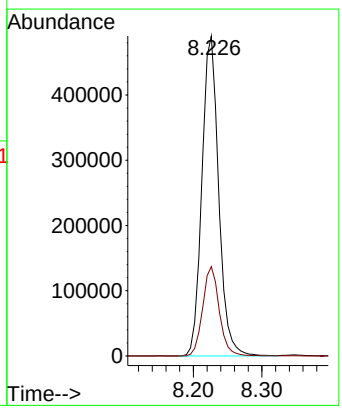


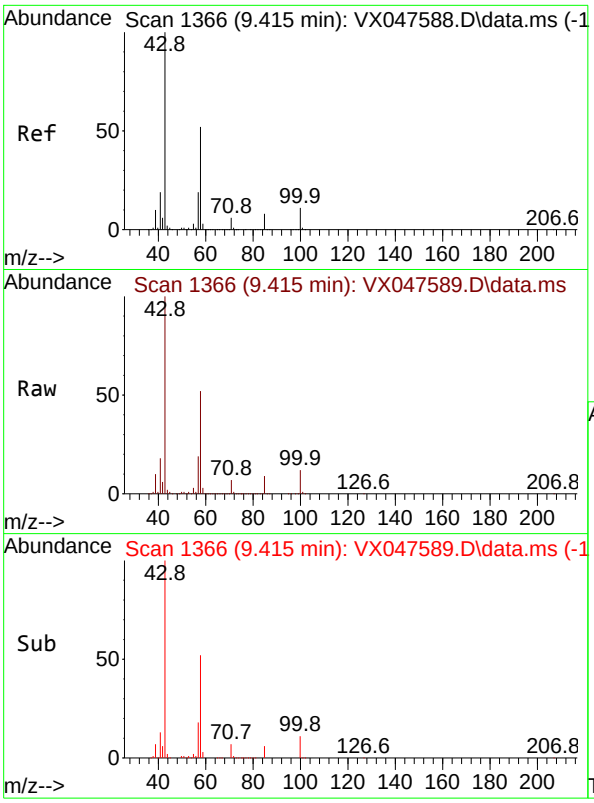


#58
2-Chloroethyl Vinyl ether
Concen: 499.814 ug/l
RT: 8.226 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 63 Resp: 836362

Ion	Ratio	Lower	Upper
63	100		
106	27.5	21.9	32.9



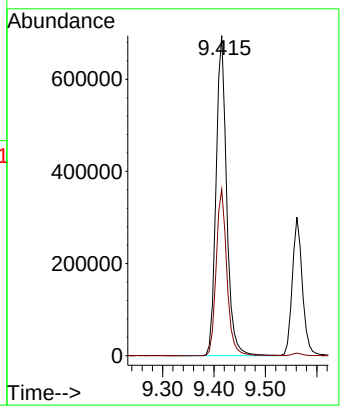


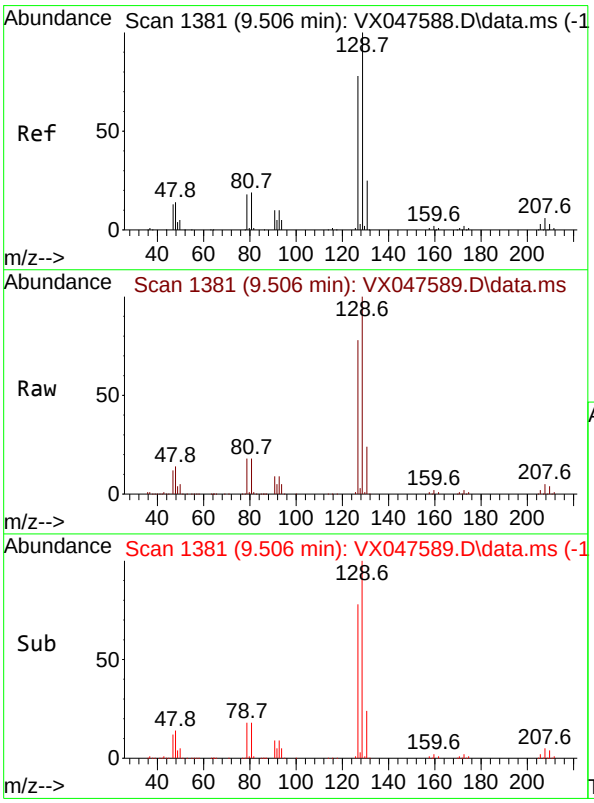
#59
2-Hexanone
Concen: 486.380 ug/l
RT: 9.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 996274

Ion	Ratio	Lower	Upper
43	100		
58	52.4	26.1	78.2

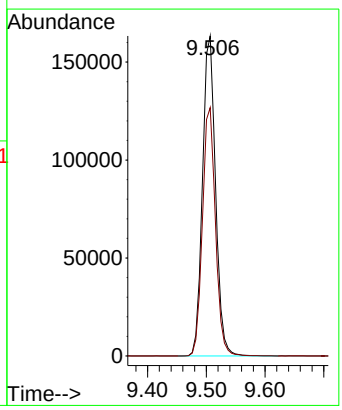


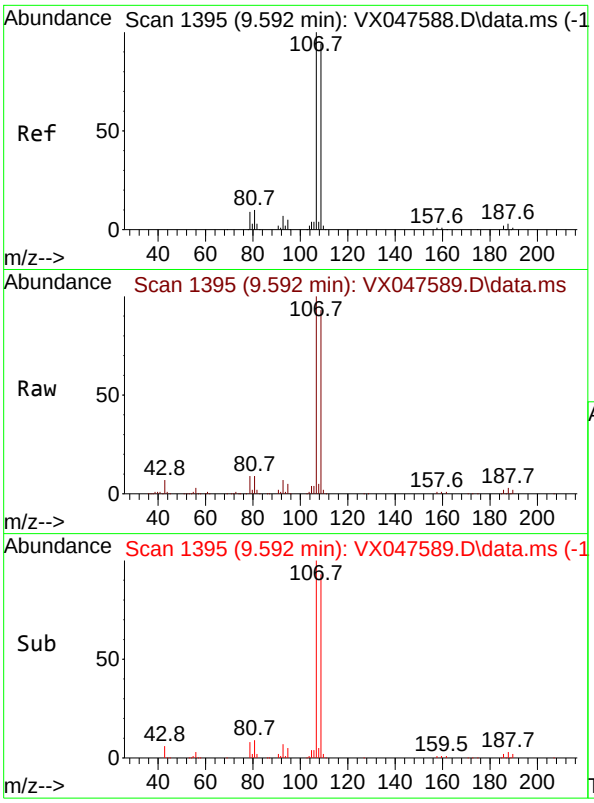


#60
Dibromochloromethane
Concen: 103.226 ug/l
RT: 9.506 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:129 Resp: 251394

Ion	Ratio	Lower	Upper
129	100		
127	77.5	38.4	115.2



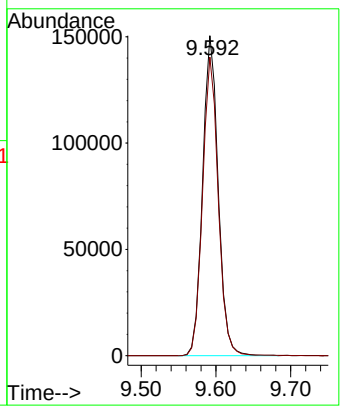


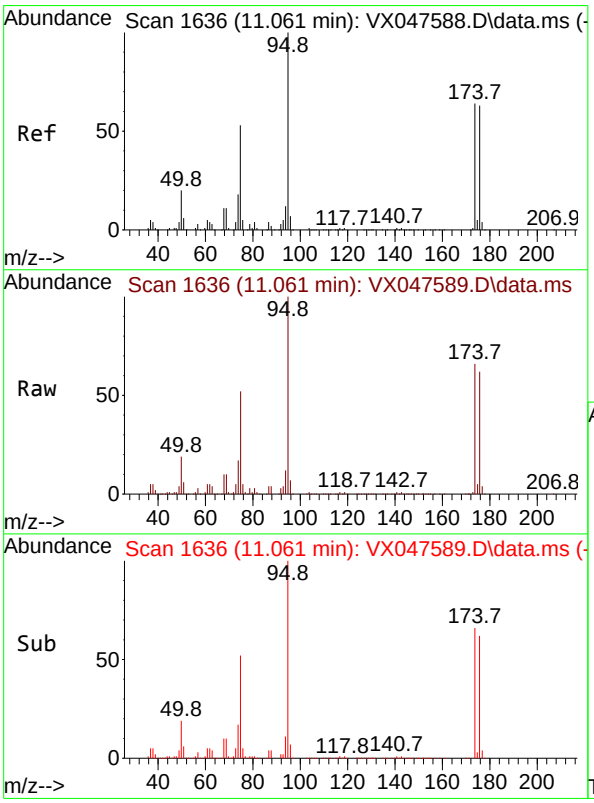
#61
1,2-Dibromoethane
Concen: 101.147 ug/l
RT: 9.592 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:107 Resp: 217751

Ion	Ratio	Lower	Upper
107	100		
109	93.8	75.3	112.9

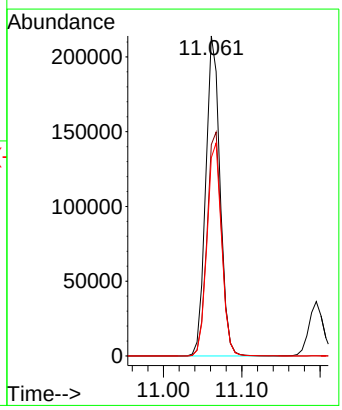


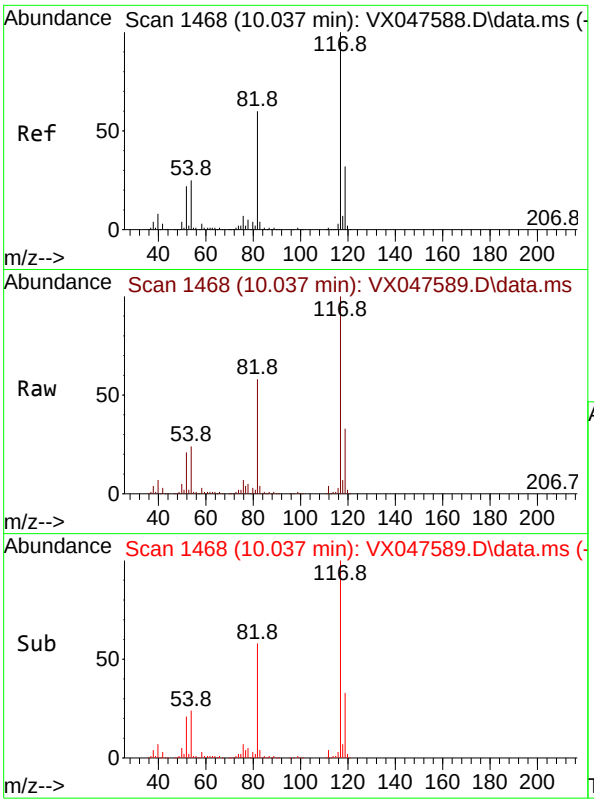


#62
4-Bromofluorobenzene
Concen: 102.672 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 95 Resp: 270289

Ion	Ratio	Lower	Upper
95	100		
174	71.7	0.0	141.6
176	68.0	0.0	138.4



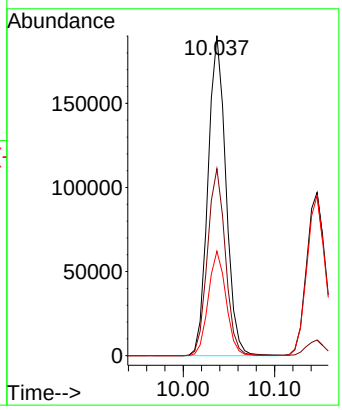


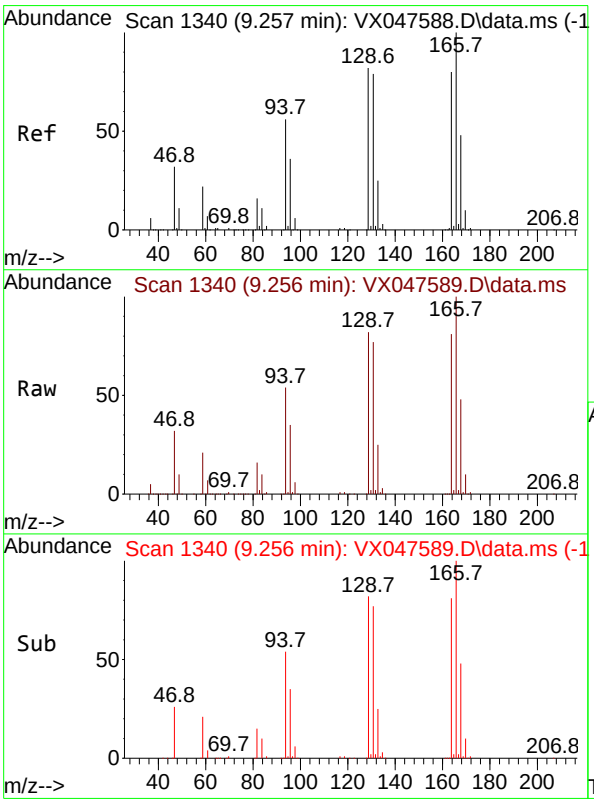
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:117 Resp: 258399

Ion	Ratio	Lower	Upper
117	100		
82	58.4	47.8	71.6
119	32.7	25.2	37.8

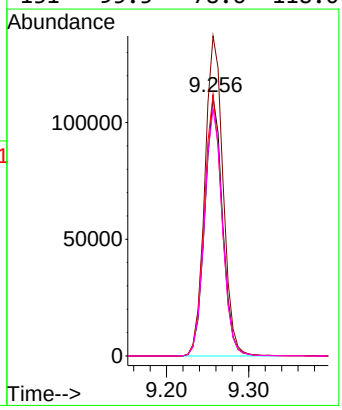


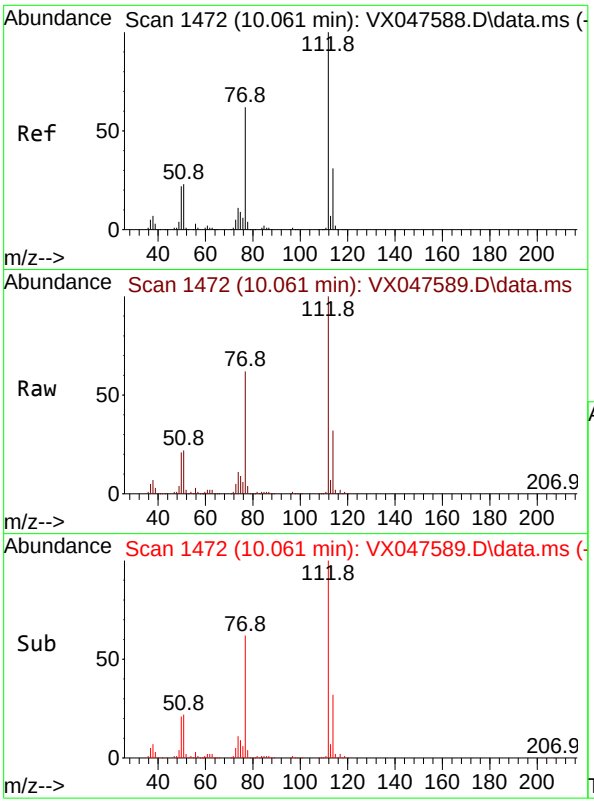


#64
Tetrachloroethene
Concen: 98.284 ug/l
RT: 9.256 min Scan# 1340
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:164 Resp: 165559

Ion	Ratio	Lower	Upper
164	100		
166	123.6	100.2	150.2
129	100.9	81.8	122.6
131	95.5	78.6	118.0



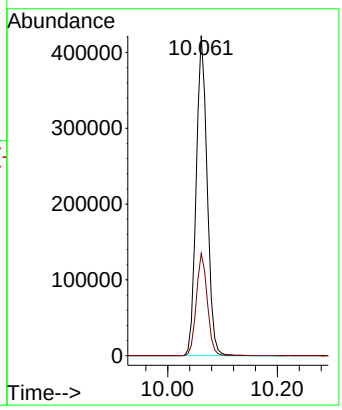


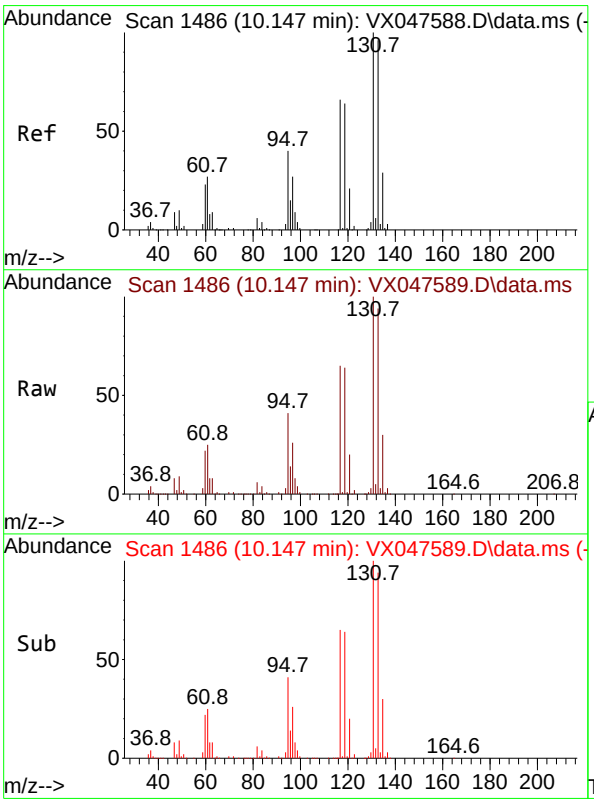
#65
Chlorobenzene
Concen: 100.253 ug/l
RT: 10.061 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:112 Resp: 588517

Ion	Ratio	Lower	Upper
112	100		
114	32.0	25.1	37.7

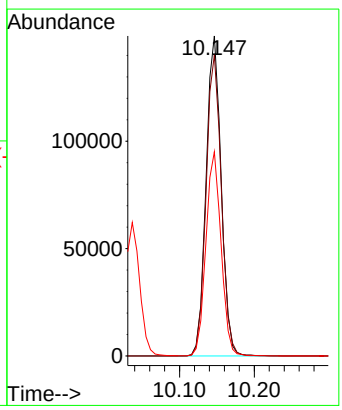


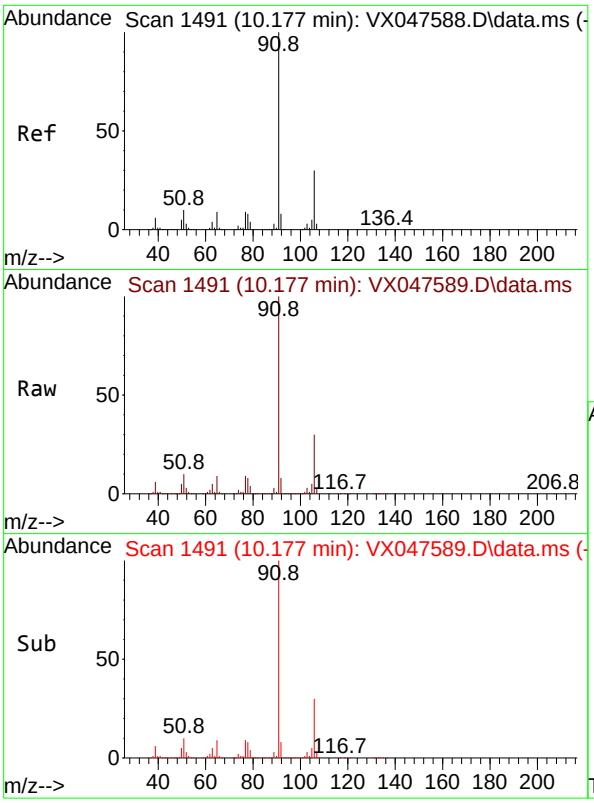


#66
1,1,1,2-Tetrachloroethane
Concen: 102.988 ug/l
RT: 10.147 min Scan# 1486
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:131 Resp: 208621

Ion	Ratio	Lower	Upper
131	100		
133	95.2	47.3	142.0
119	64.2	32.0	96.0



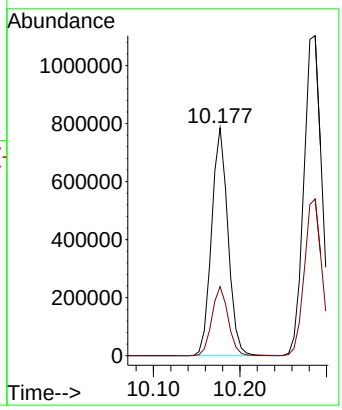


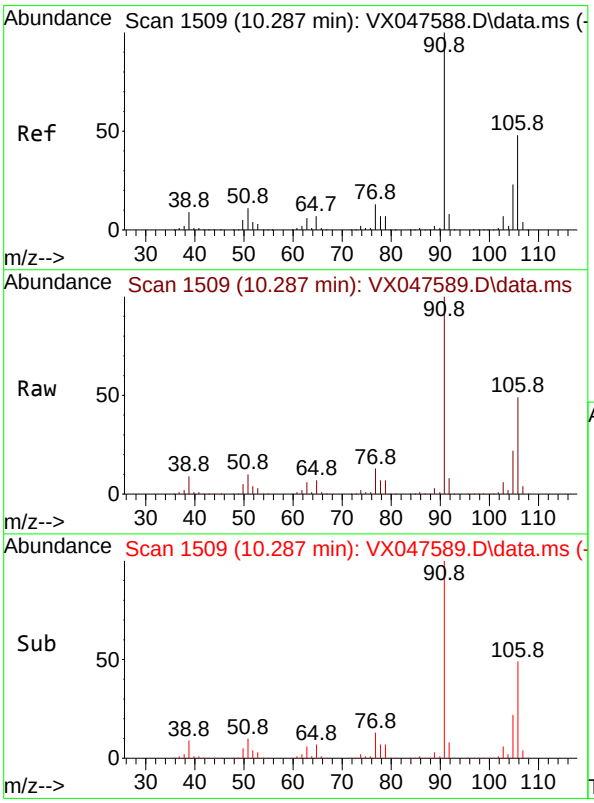
#67
Ethyl Benzene
Concen: 101.823 ug/l
RT: 10.177 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 91 Resp: 1031346

Ion	Ratio	Lower	Upper
91	100		
106	30.3	24.3	36.5

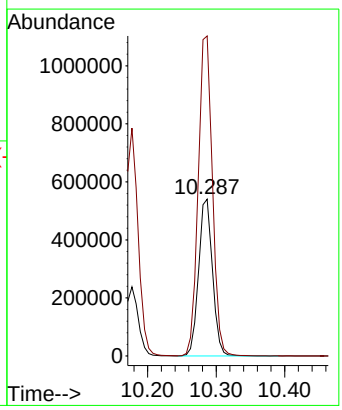


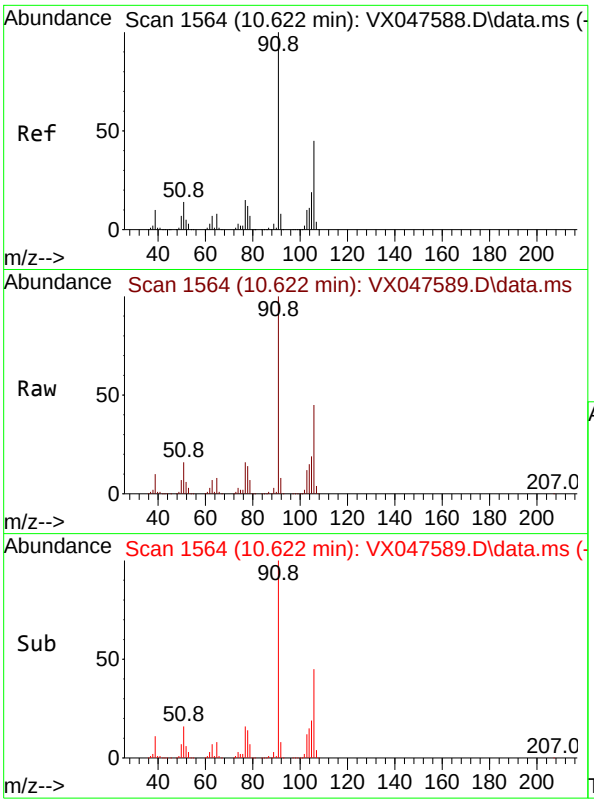


#68
m/p-Xylenes
Concen: 202.624 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:106 Resp: 763898

Ion	Ratio	Lower	Upper
106	100		
91	208.5	167.8	251.8



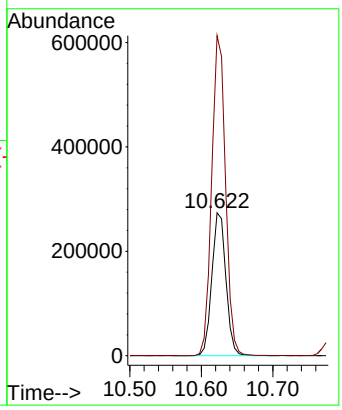


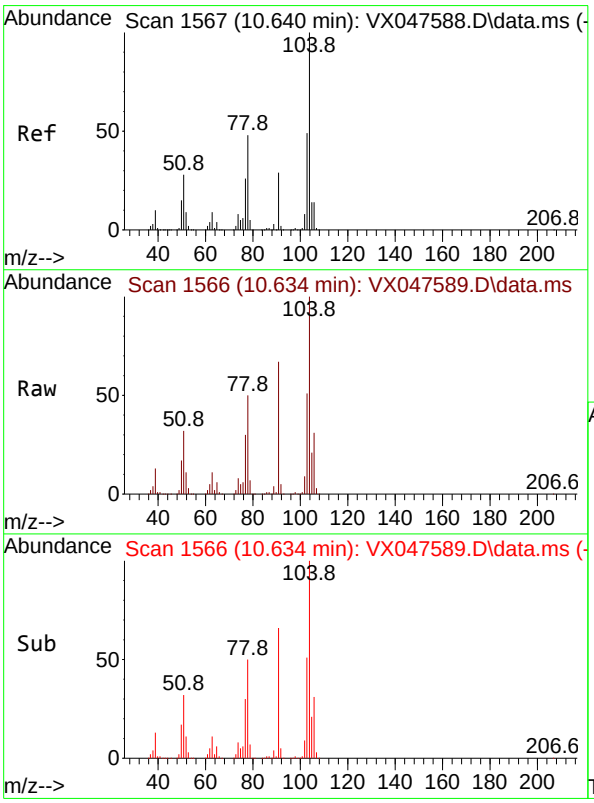
#69
o-Xylene
Concen: 102.186 ug/l
RT: 10.622 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:106 Resp: 372621

Ion	Ratio	Lower	Upper
106	100		
91	221.3	111.1	333.4

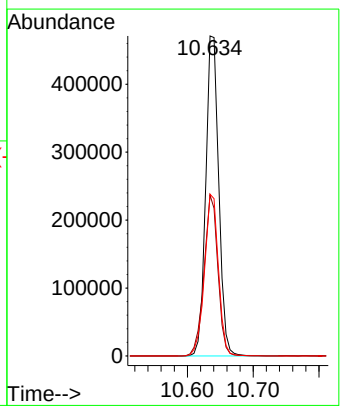


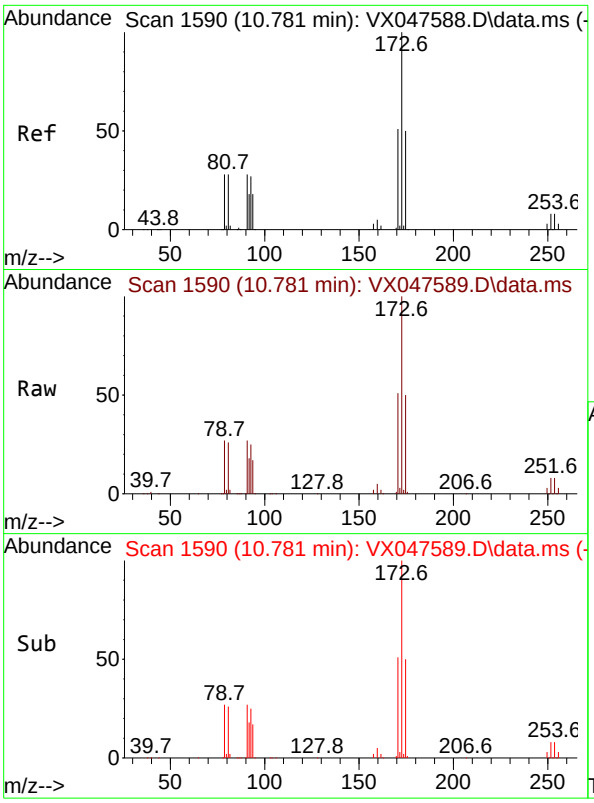


#70
Styrene
Concen: 101.710 ug/l
RT: 10.634 min Scan# 1566
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:104 Resp: 649863

Ion	Ratio	Lower	Upper
104	100		
78	53.5	43.1	64.7
103	54.1	43.1	64.7



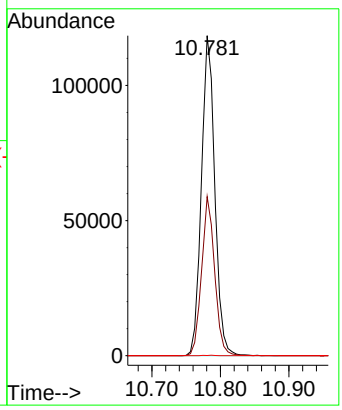


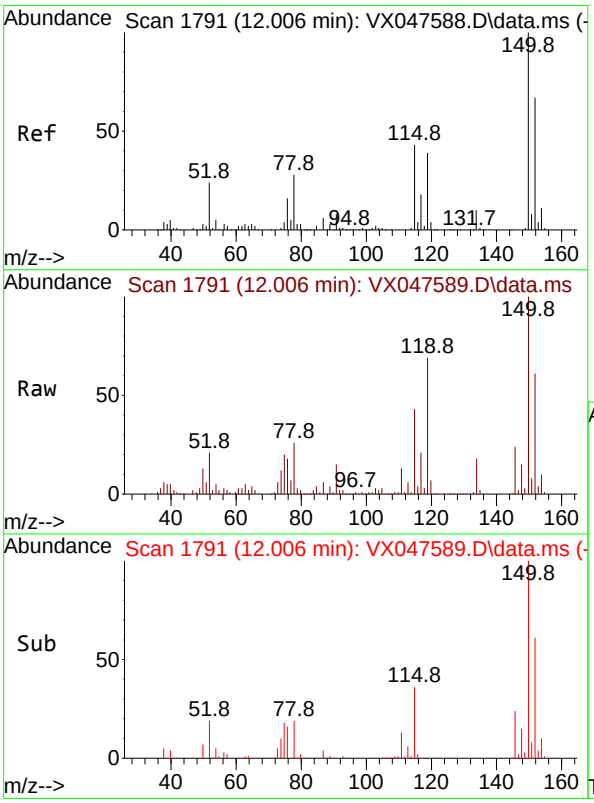
#71
Bromoform
Concen: 106.566 ug/l
RT: 10.781 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:173 Resp: 161188

Ion	Ratio	Lower	Upper
173	100		
175	48.5	24.9	74.6
254	0.1	0.1	0.1

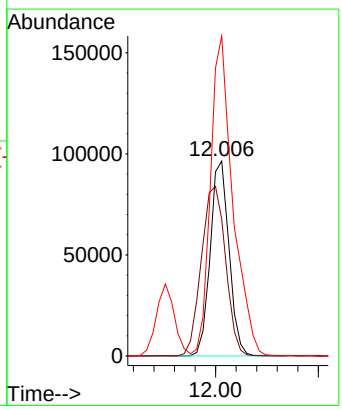


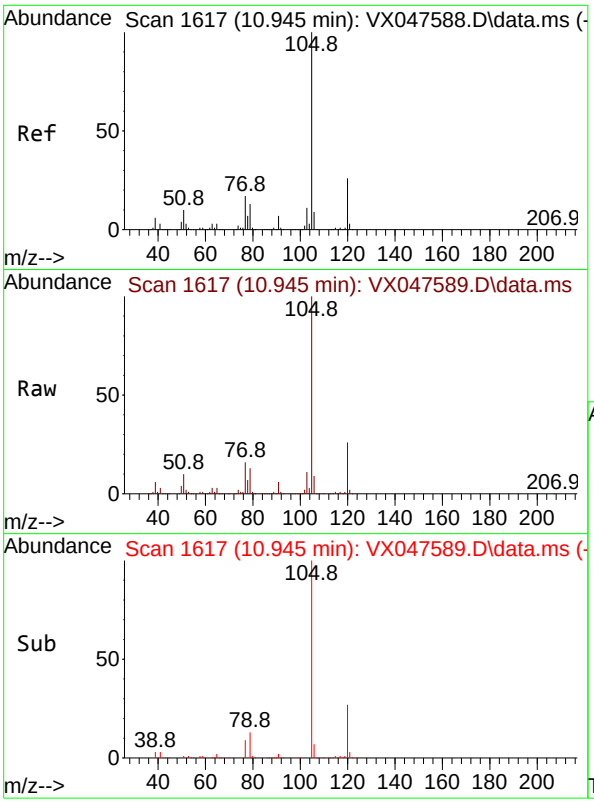


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:152 Resp: 122218

Ion	Ratio	Lower	Upper
152	100		
115	112.6	44.9	134.5
150	195.0	0.0	352.0



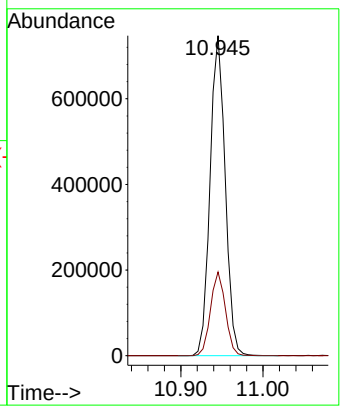


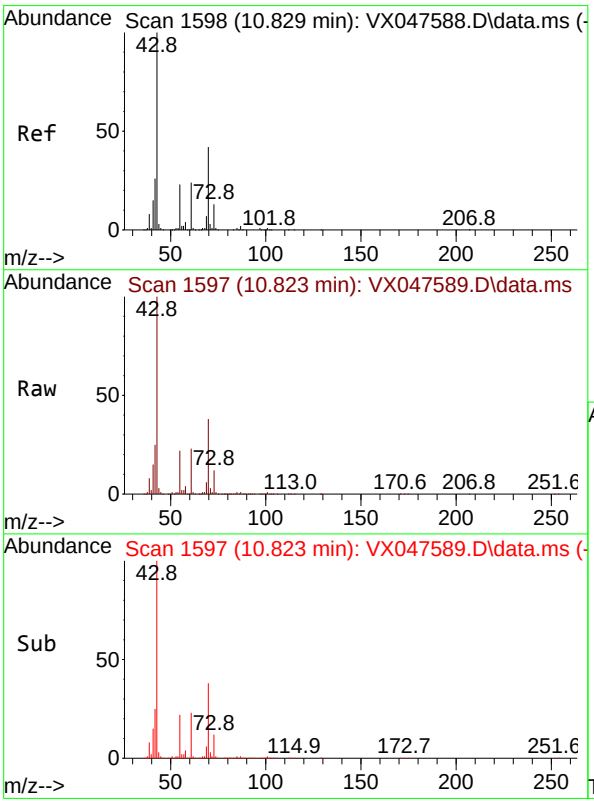
#73
Isopropylbenzene
Concen: 102.768 ug/l
RT: 10.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:105 Resp: 954900

Ion	Ratio	Lower	Upper
105	100		
120	25.7	12.8	38.4

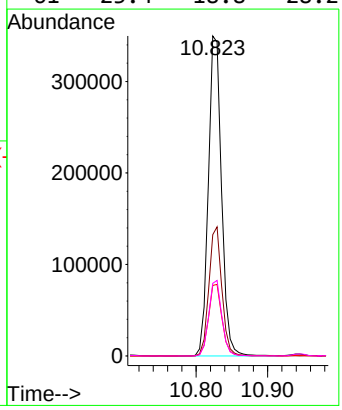


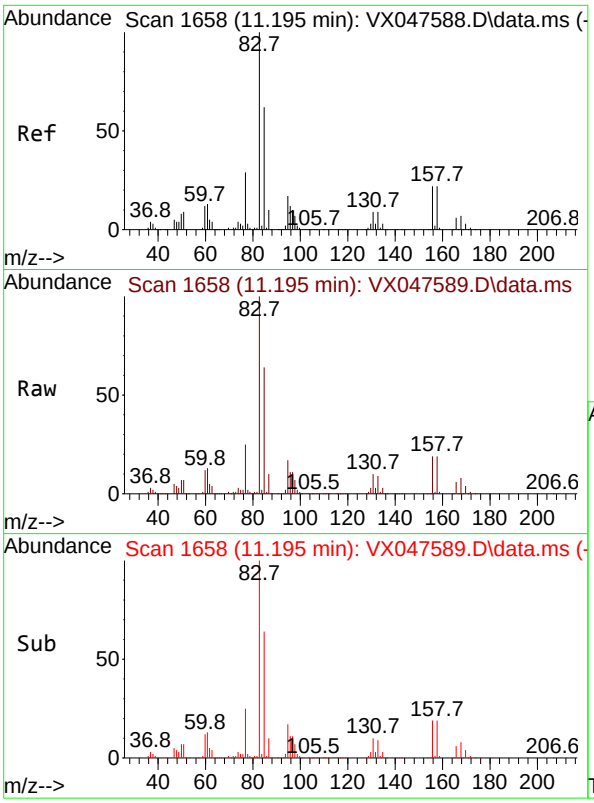


#74
N-amyl acetate
Concen: 105.812 ug/l
RT: 10.823 min Scan# 1597
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 43 Resp: 448344

Ion	Ratio	Lower	Upper
43	100		
70	39.6	32.0	48.0
55	22.8	18.9	28.3
61	23.4	18.8	28.2



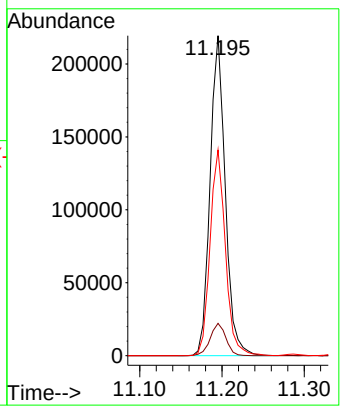


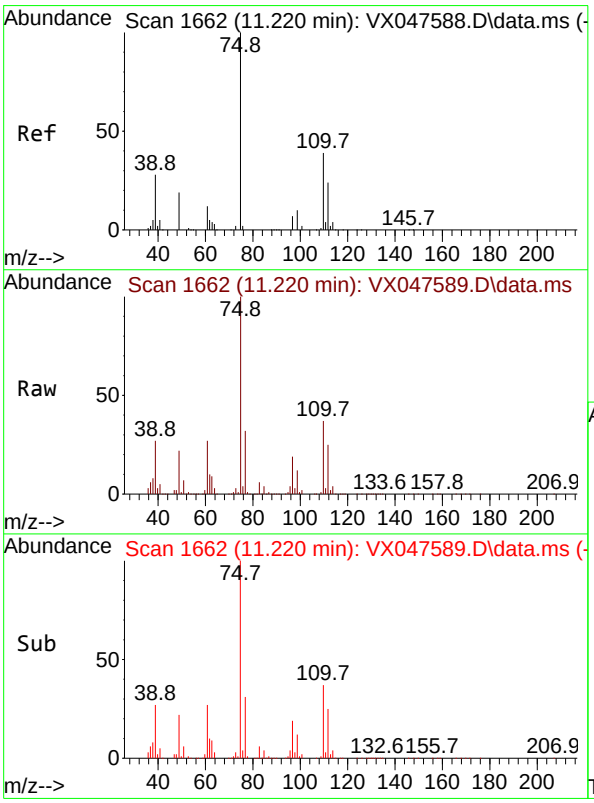
#75
1,1,2,2-Tetrachloroethane
Concen: 100.172 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 83 Resp: 281608

Ion	Ratio	Lower	Upper
83	100		
131	10.4	5.0	14.9
85	65.1	31.6	95.0

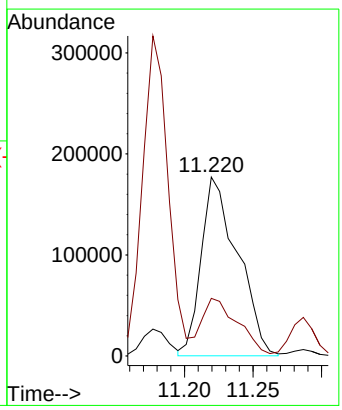


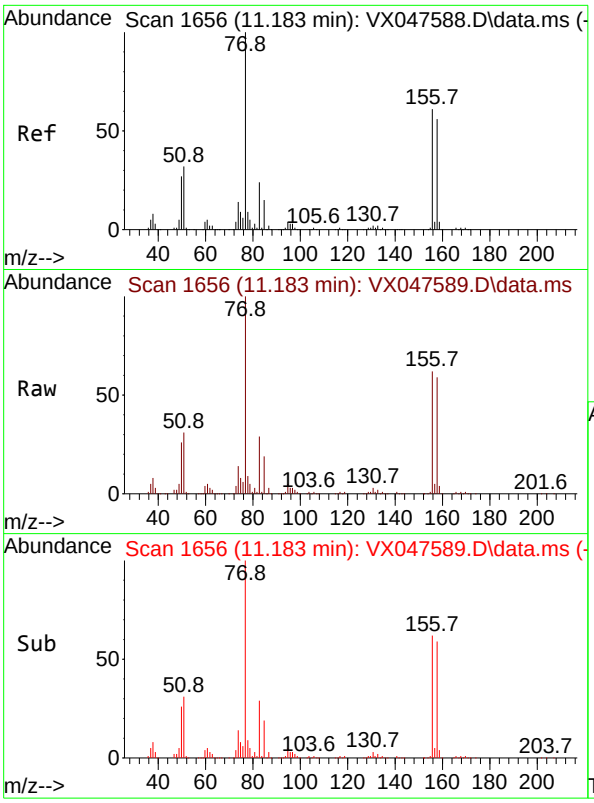


#76
1,2,3-Trichloropropane
Concen: 132.545 ug/l
RT: 11.220 min Scan# 1662
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 75 Resp: 327988

Ion	Ratio	Lower	Upper
75	100		
77	30.7	18.8	56.4



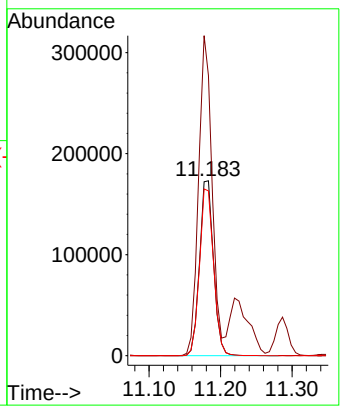


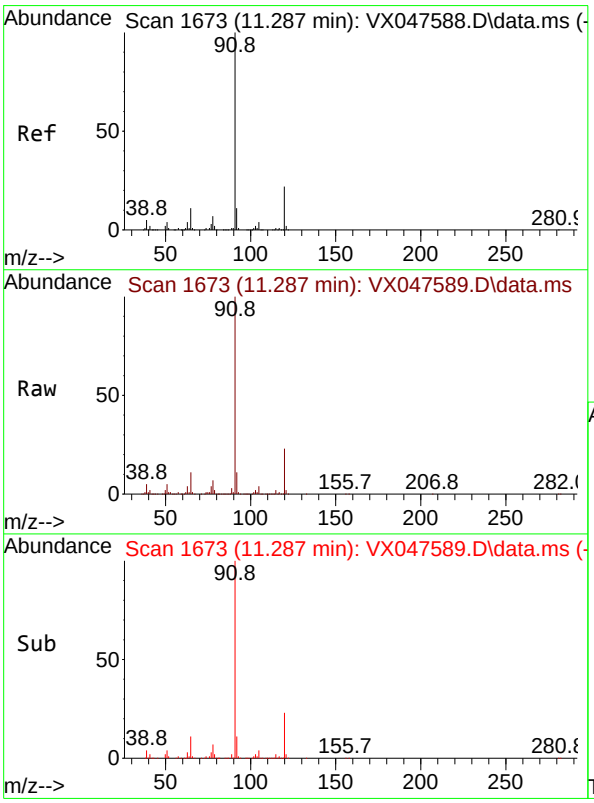
#77
Bromobenzene
Concen: 102.541 ug/l
RT: 11.183 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:156 Resp: 234666

Ion	Ratio	Lower	Upper
156	100		
77	176.0	89.7	269.1
158	96.5	47.9	143.6

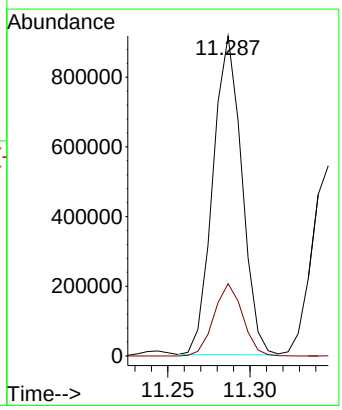


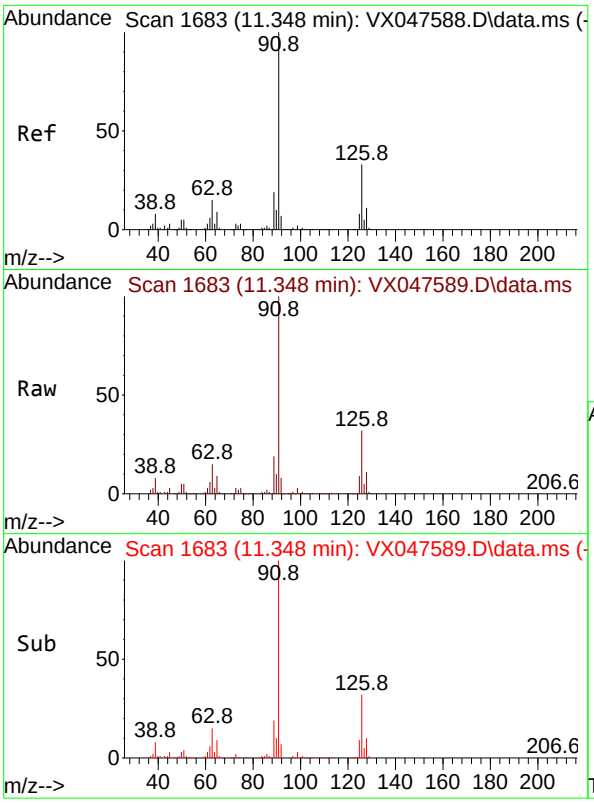


#78
n-propylbenzene
Concen: 101.941 ug/l
RT: 11.287 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 91 Resp: 1119728

Ion	Ratio	Lower	Upper
91	100		
120	22.4	11.1	33.1



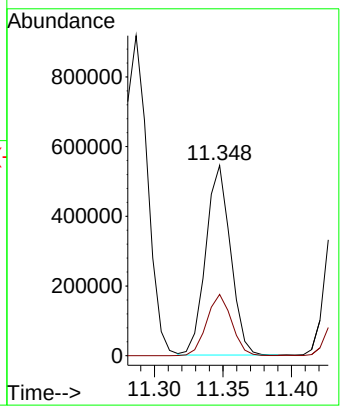


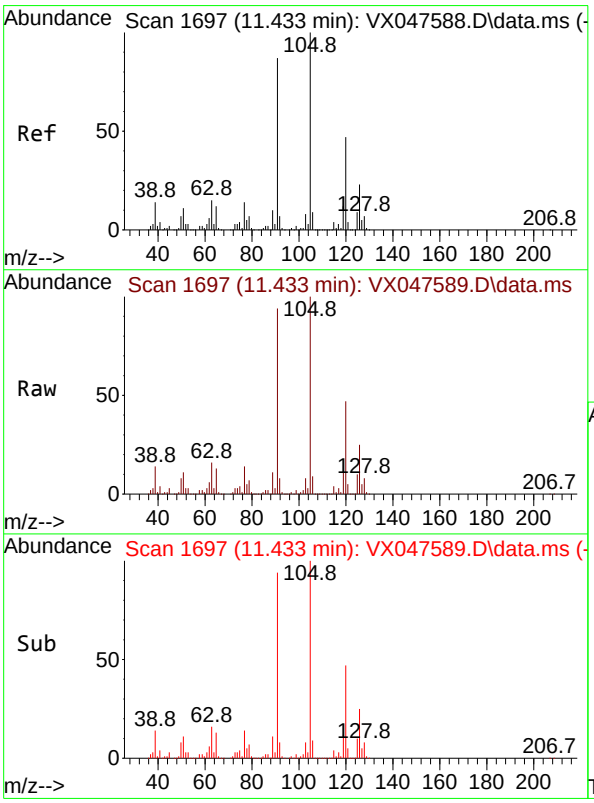
#79
2-Chlorotoluene
Concen: 101.652 ug/l
RT: 11.348 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 91 Resp: 683867

Ion	Ratio	Lower	Upper
91	100		
126	32.7	16.1	48.3

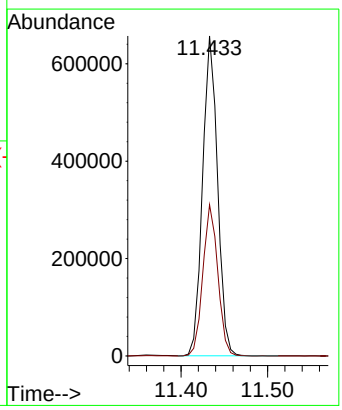


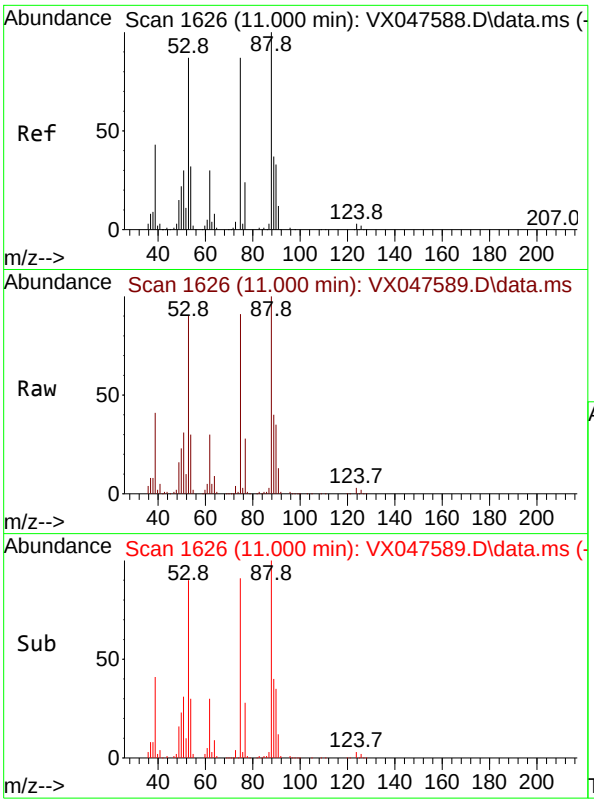


#80
1,3,5-Trimethylbenzene
Concen: 103.134 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:105 Resp: 787327

Ion	Ratio	Lower	Upper
105	100		
120	47.2	23.6	70.8



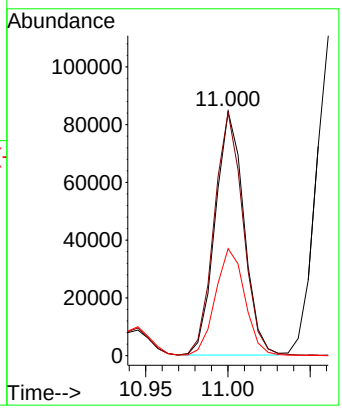


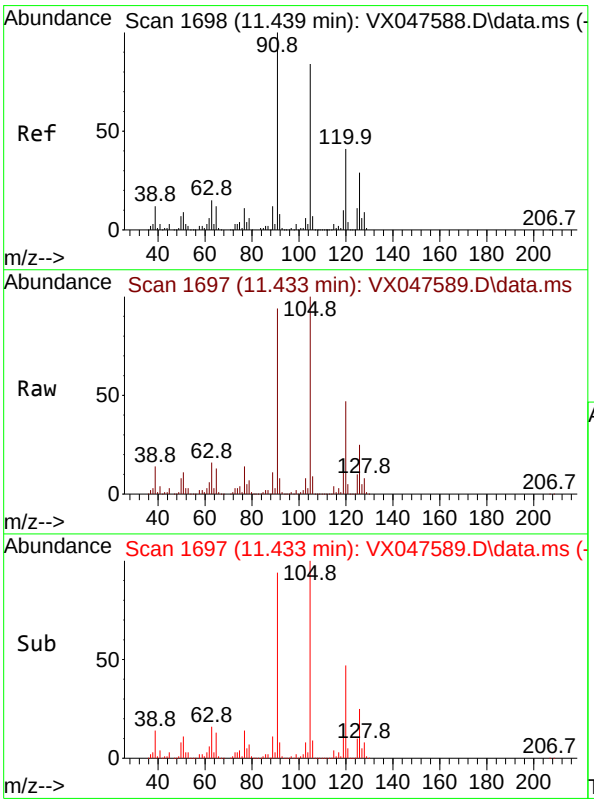
#81
trans-1,4-Dichloro-2-butene
Concen: 105.689 ug/l
RT: 11.000 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 75 Resp: 102555

Ion	Ratio	Lower	Upper
75	100		
53	101.1	83.4	125.2
89	45.3	36.3	54.5

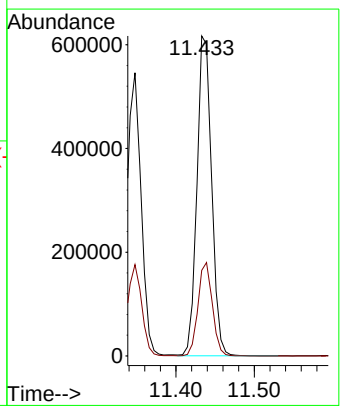


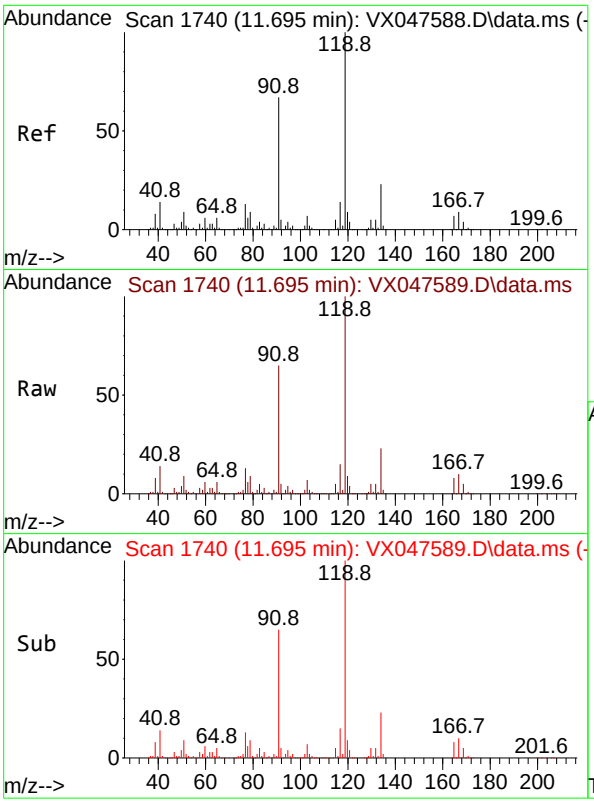


#82
4-Chlorotoluene
Concen: 101.054 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 91 Resp: 802929

Ion	Ratio	Lower	Upper
91	100		
126	28.6	14.2	42.6



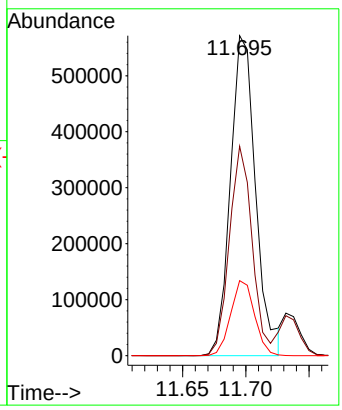


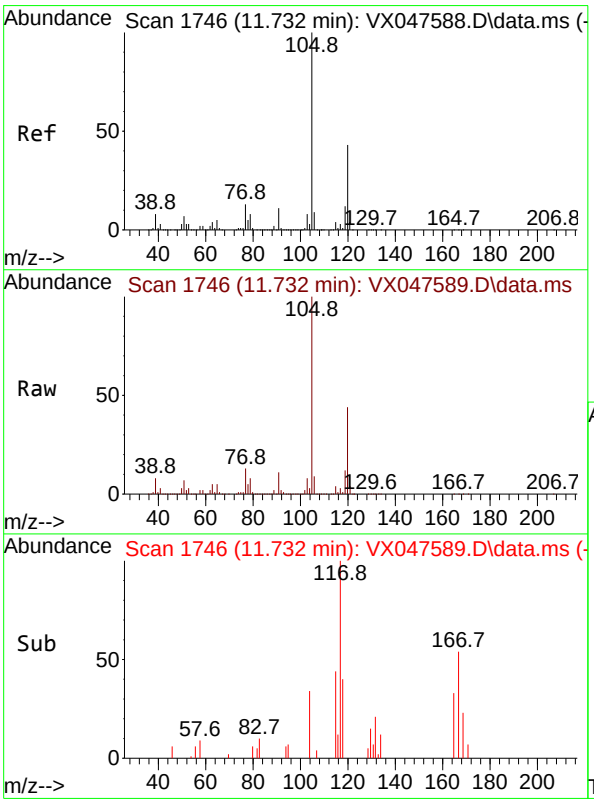
#83
tert-Butylbenzene
Concen: 101.333 ug/l
RT: 11.695 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:119 Resp: 791896

Ion	Ratio	Lower	Upper
119	100		
91	59.3	29.6	88.8
134	22.3	11.0	33.0

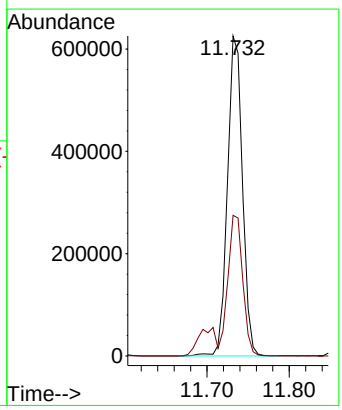


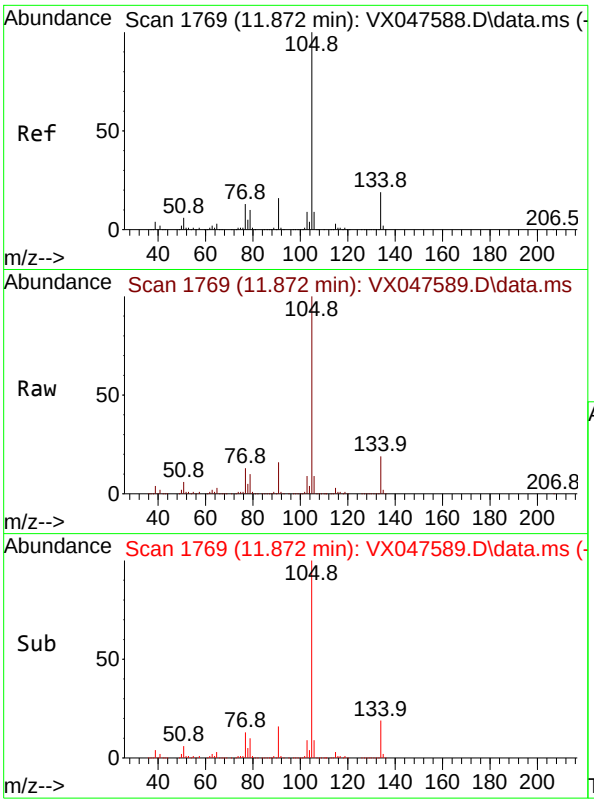


#84
1,2,4-Trimethylbenzene
Concen: 102.144 ug/l
RT: 11.732 min Scan# 1746
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:105 Resp: 790557

Ion	Ratio	Lower	Upper
105	100		
120	43.6	22.1	66.1



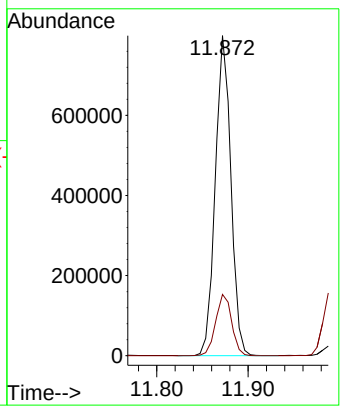


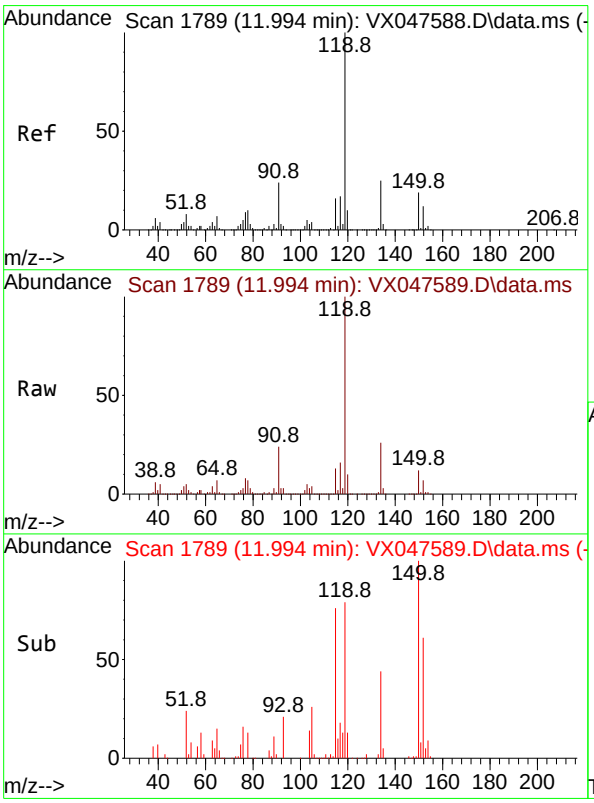
#85
sec-Butylbenzene
Concen: 101.840 ug/l
RT: 11.872 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:105 Resp: 945321

Ion	Ratio	Lower	Upper
105	100		
134	19.7	9.8	29.5

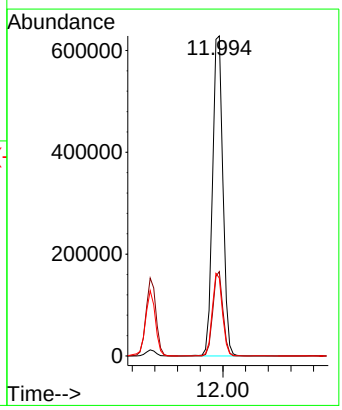


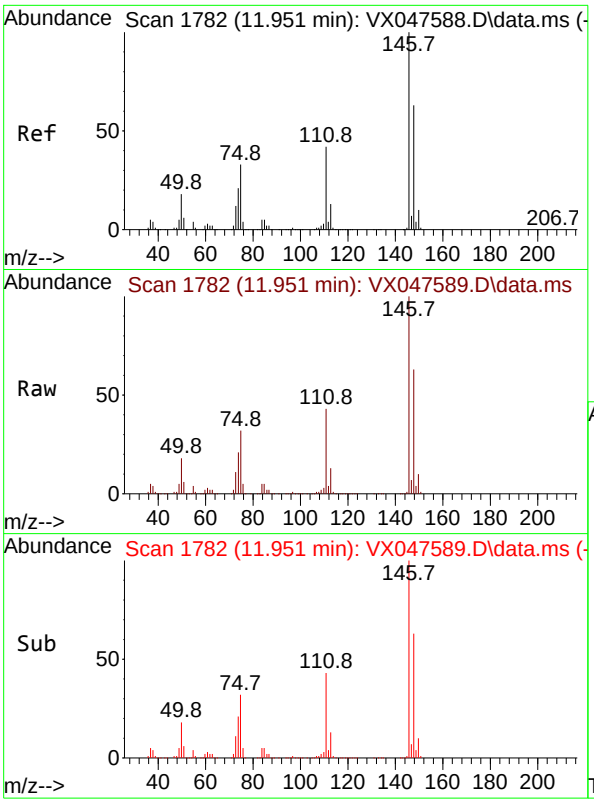


#86
p-Isopropyltoluene
Concen: 101.501 ug/l
RT: 11.994 min Scan# 1789
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:119 Resp: 797643

Ion	Ratio	Lower	Upper
119	100		
134	25.6	12.6	37.8
91	25.2	12.6	37.6



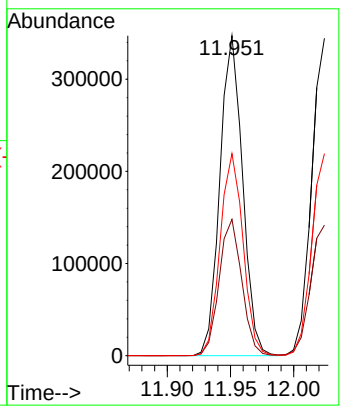


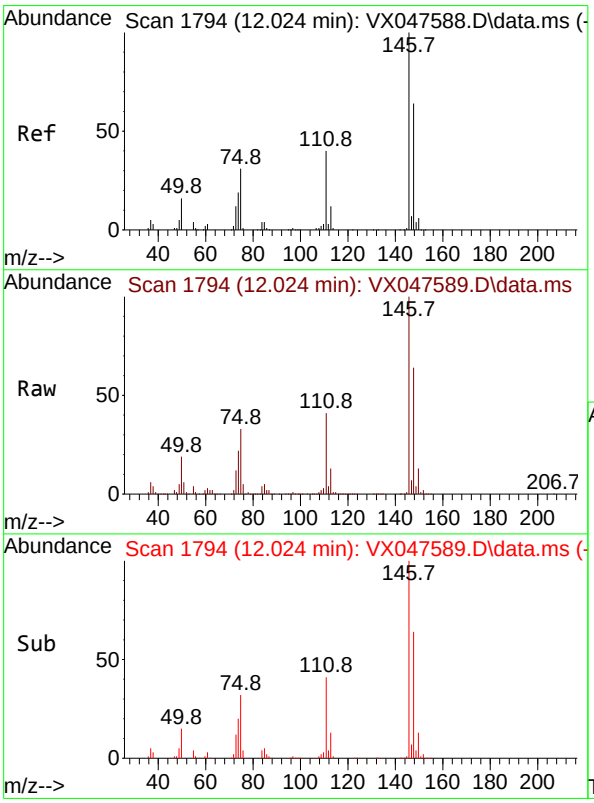
#87
1,3-Dichlorobenzene
Concen: 101.689 ug/l
RT: 11.951 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:146 Resp: 432248

Ion	Ratio	Lower	Upper
146	100		
111	42.7	21.5	64.5
148	63.9	32.0	96.0

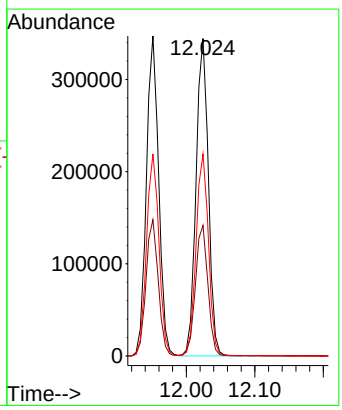


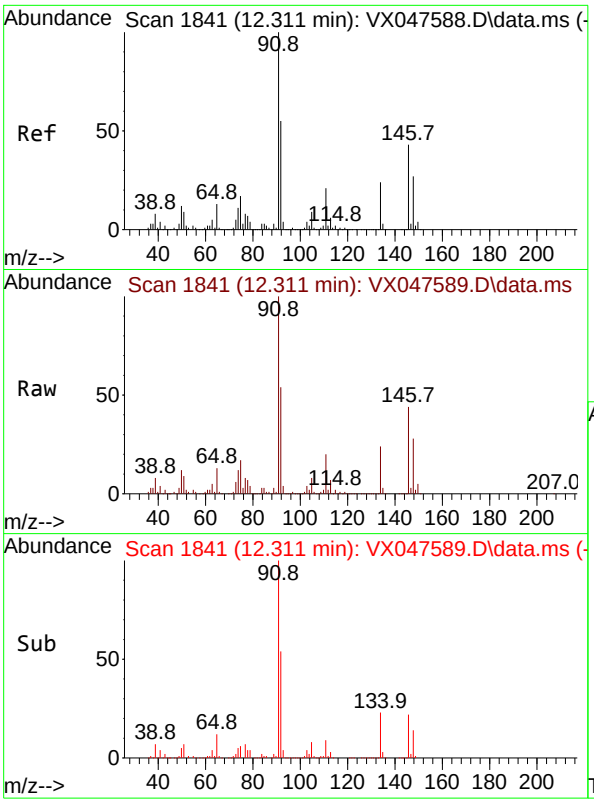


#88
1,4-Dichlorobenzene
Concen: 98.985 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:146 Resp: 431839

Ion	Ratio	Lower	Upper
146	100		
111	41.6	20.8	62.4
148	63.8	31.7	95.1



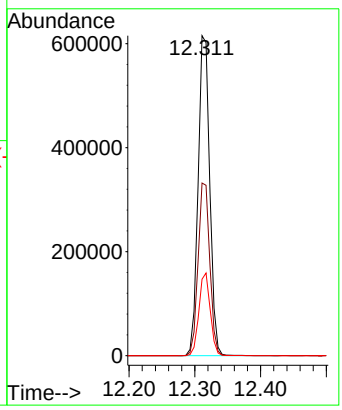


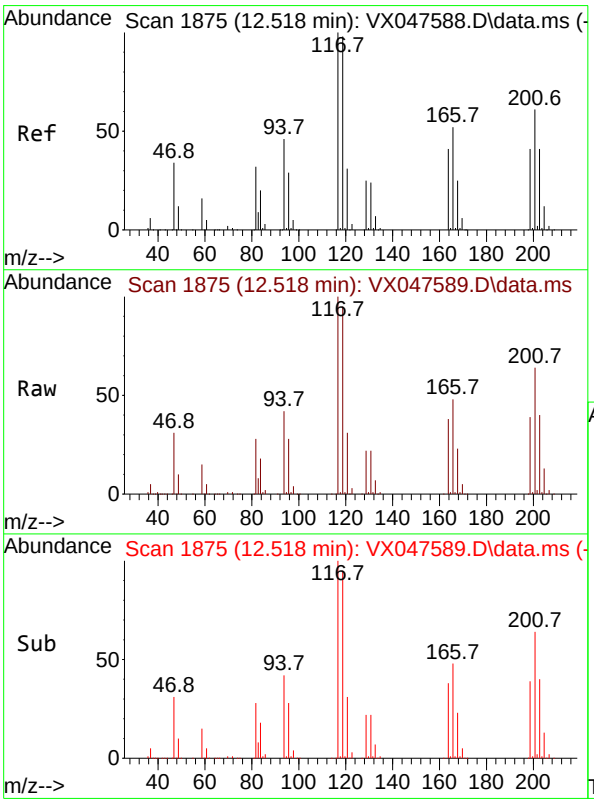
#89
n-Butylbenzene
Concen: 104.138 ug/l
RT: 12.311 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 91 Resp: 757239

Ion	Ratio	Lower	Upper
91	100		
92	54.4	27.6	82.7
134	25.1	12.6	37.8

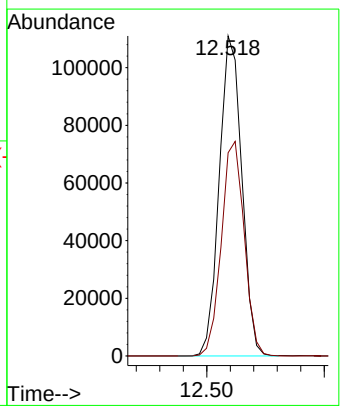


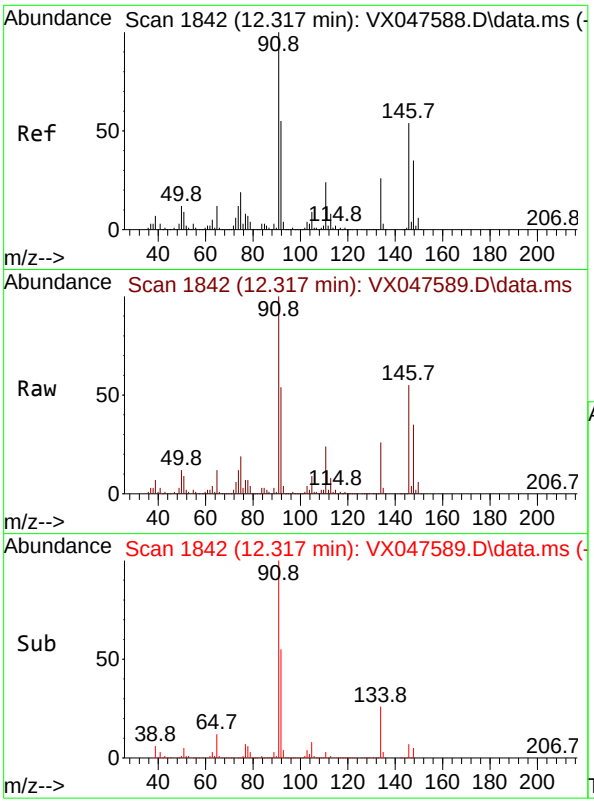


#90
Hexachloroethane
Concen: 107.304 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:117 Resp: 148048

Ion	Ratio	Lower	Upper
117	100		
201	68.1	34.2	102.5



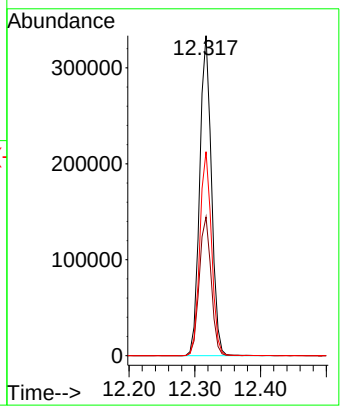


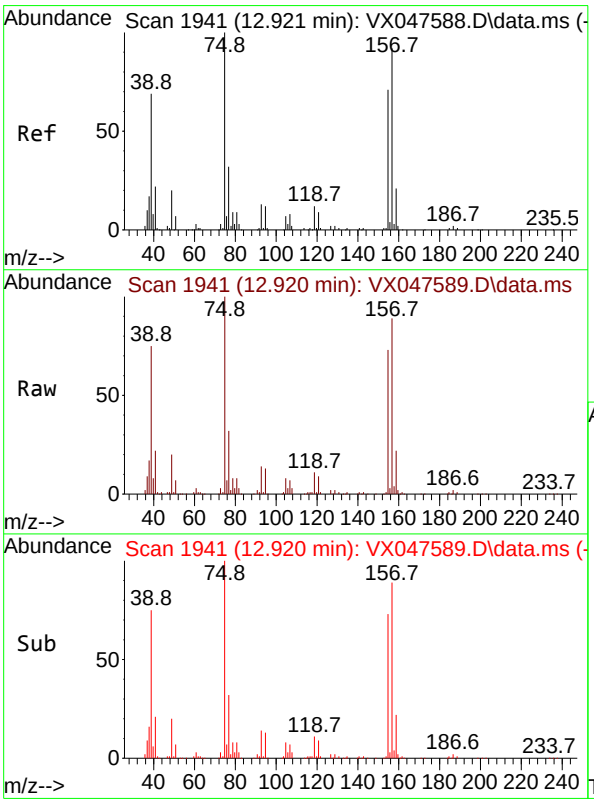
#91
1,2-Dichlorobenzene
Concen: 102.352 ug/l
RT: 12.317 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:146 Resp: 414491

Ion	Ratio	Lower	Upper
146	100		
111	43.9	22.2	66.6
148	63.4	31.8	95.4

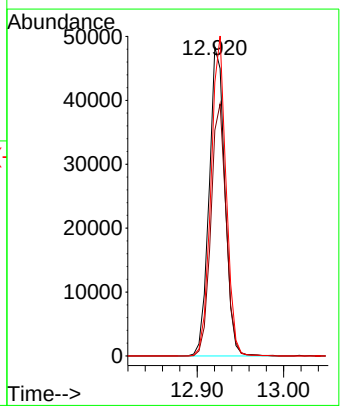


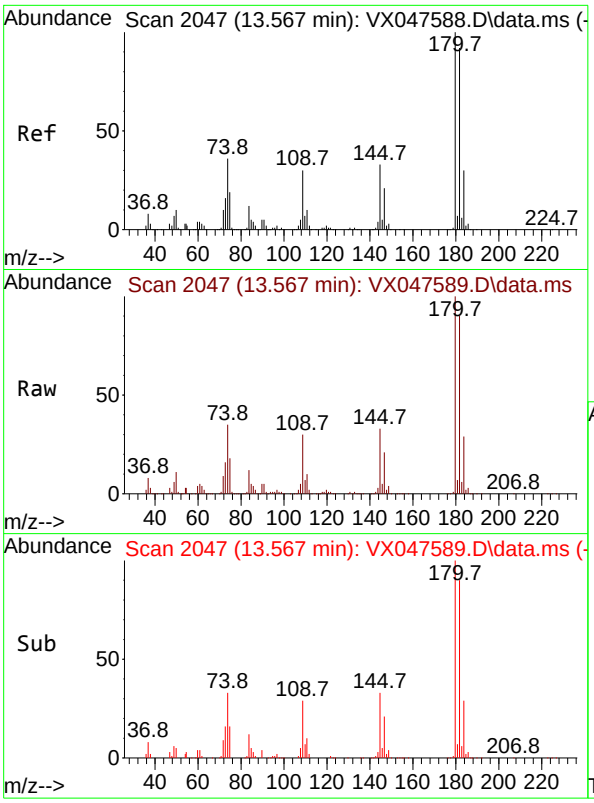


#92
1,2-Dibromo-3-Chloropropane
Concen: 107.225 ug/l
RT: 12.920 min Scan# 1941
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 75 Resp: 61029

Ion	Ratio	Lower	Upper
75	100		
155	79.0	37.7	113.1
157	99.2	49.8	149.4



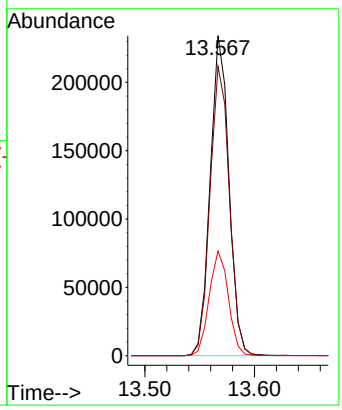


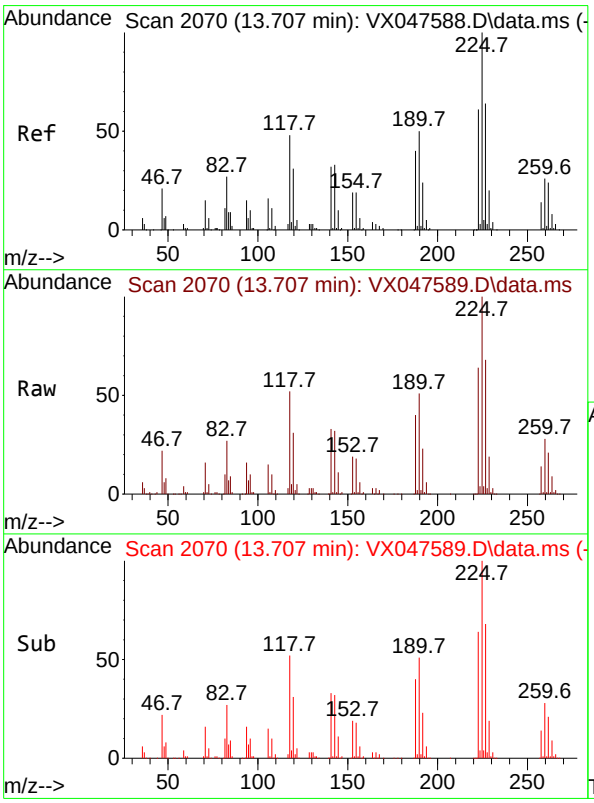
#93
1,2,4-Trichlorobenzene
Concen: 105.922 ug/l
RT: 13.567 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:180 Resp: 278777

Ion	Ratio	Lower	Upper
180	100		
182	93.2	46.6	139.8
145	33.3	16.4	49.1

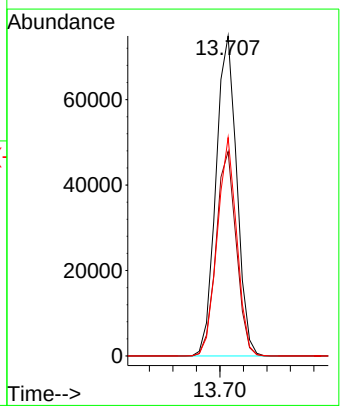


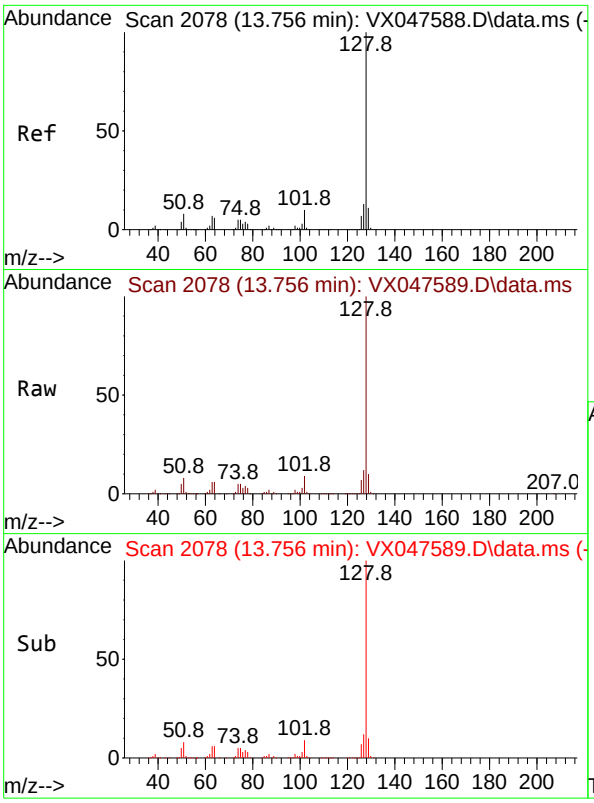


#94
Hexachlorobutadiene
Concen: 103.049 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:225 Resp: 92124

Ion	Ratio	Lower	Upper
225	100		
223	62.0	31.7	95.1
227	63.8	32.0	96.0



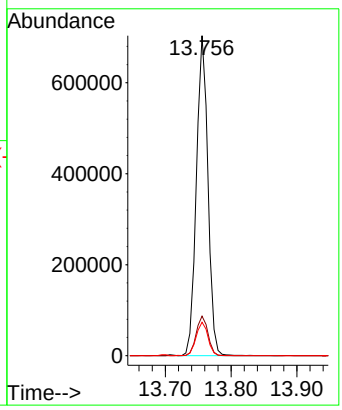


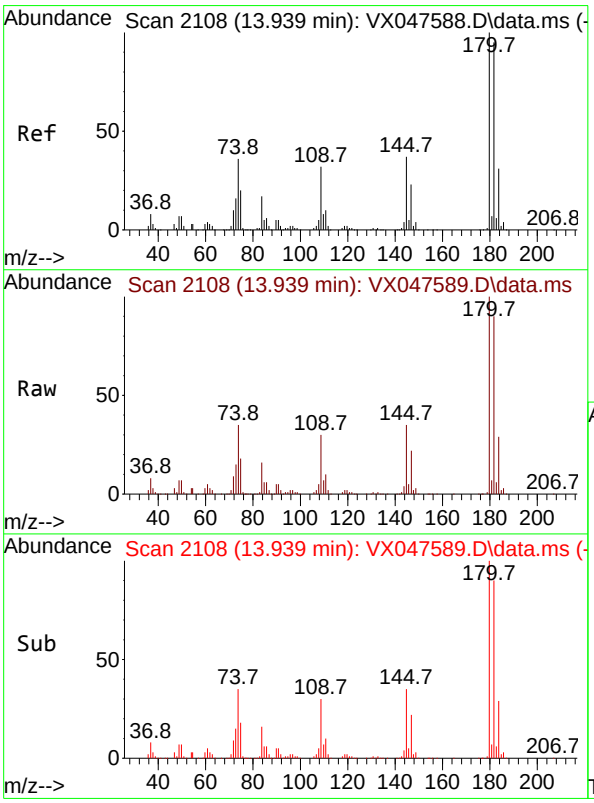
#95
Naphthalene
Concen: 106.620 ug/l
RT: 13.756 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:128 Resp: 854492

Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.2	15.2
129	10.8	8.8	13.2

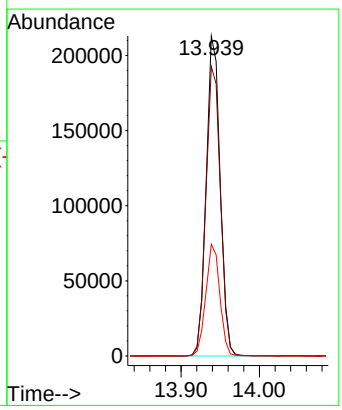




#96
1,2,3-Trichlorobenzene
Concen: 107.633 ug/l
RT: 13.939 min Scan# 2108
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:180 Resp: 263512

Ion	Ratio	Lower	Upper
180	100		
182	93.6	47.6	142.8
145	35.0	17.9	53.7



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047590.D
Acq On : 16 Sep 2025 12:01
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Quant Time: Sep 22 01:52:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	153177	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	274804	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	241818	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	114743	50.000	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	396627	162.673	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 325.340%#			
35) Dibromofluoromethane	5.373	113	303728	164.802	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 329.600%#			
50) Toluene-d8	8.635	98	1041079	163.253	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 326.500%#			
62) 4-Bromofluorobenzene	11.067	95	399386	165.020	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 330.040%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.173	85	226166	142.586	ug/l	99
3) Chloromethane	1.301	50	297259	142.593	ug/l	99
4) Vinyl Chloride	1.380	62	302303	148.140	ug/l	98
5) Bromomethane	1.605	94	147541	114.019	ug/l	98
6) Chloroethane	1.691	64	195927	143.652	ug/l	99
7) Trichlorofluoromethane	1.892	101	453116	149.545	ug/l	99
8) Diethyl Ether	2.136	74	188006	151.684	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.331	101	267995	151.264	ug/l	99
10) Methyl Iodide	2.453	142	407242	147.384	ug/l	99
11) Tert butyl alcohol	2.959	59	215927	795.166	ug/l	100
12) 1,1-Dichloroethene	2.325	96	273692	150.388	ug/l	97
13) Acrolein	2.239	56	223763	894.203	ug/l	98
14) Allyl chloride	2.666	41	554779	147.727	ug/l	99
15) Acrylonitrile	3.063	53	790790	786.201	ug/l	99
16) Acetone	2.380	43	686119	647.201	ug/l	98
17) Carbon Disulfide	2.514	76	714503	143.412	ug/l	99
18) Methyl Acetate	2.703	43	404736	171.548	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	1015295	152.826	ug/l	100
20) Methylene Chloride	2.788	84	324032	144.398	ug/l	96
21) trans-1,2-Dichloroethene	3.093	96	291616	148.833	ug/l	98
22) Diisopropyl ether	3.757	45	1095726	150.551	ug/l	97
23) Vinyl Acetate	3.715	43	4504849	773.364	ug/l	100
24) 1,1-Dichloroethane	3.605	63	587129	151.776	ug/l	98
25) 2-Butanone	4.544	43	973938	736.502	ug/l	99
26) 2,2-Dichloropropane	4.471	77	486890	151.414	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	366262	152.638	ug/l	99
28) Bromochloromethane	4.885	49	289548	171.451	ug/l	99
29) Tetrahydrofuran	4.989	42	616374	774.811	ug/l	100
30) Chloroform	5.080	83	591709	151.367	ug/l	99
31) Cyclohexane	5.458	56	456119	141.570	ug/l	99
32) 1,1,1-Trichloroethane	5.373	97	506654	152.802	ug/l	99
36) 1,1-Dichloropropene	5.684	75	386601	143.556	ug/l	99
37) Ethyl Acetate	4.702	43	444461	154.141	ug/l	99
38) Carbon Tetrachloride	5.666	117	427263	146.021	ug/l	98
39) Methylcyclohexane	7.367	83	456694	149.395	ug/l	98
40) Benzene	6.025	78	1202846	147.057	ug/l	99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047590.D
Acq On : 16 Sep 2025 12:01
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Quant Time: Sep 22 01:52:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.904	41	223218	149.951	ug/l	99
42) 1,2-Dichloroethane	6.074	62	455978	146.515	ug/l	99
43) Isopropyl Acetate	6.324	43	724888	153.283	ug/l	99
44) Trichloroethene	7.111	130	299673	151.542	ug/l	96
45) 1,2-Dichloropropane	7.415	63	316720	151.219	ug/l	99
46) Dibromomethane	7.568	93	228550	149.954	ug/l	97
47) Bromodichloromethane	7.806	83	483438	153.710	ug/l	98
48) Methyl methacrylate	7.678	41	367931	156.194	ug/l	99
49) 1,4-Dioxane	7.647	88	82739	3475.565	ug/l	98
51) 4-Methyl-2-Pentanone	8.562	43	2008063	765.849	ug/l	100
52) Toluene	8.702	92	739332	146.712	ug/l	99
53) t-1,3-Dichloropropene	8.964	75	503912	157.076	ug/l	100
54) cis-1,3-Dichloropropene	8.354	75	530566	154.732	ug/l	99
55) 1,1,2-Trichloroethane	9.135	97	289103	148.781	ug/l	99
56) Ethyl methacrylate	9.104	69	490623	160.773	ug/l	97
57) 1,3-Dichloropropane	9.293	76	502121	150.426	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.232	63	1202206	749.661	ug/l	99
59) 2-Hexanone	9.415	43	1412417	750.035	ug/l	99
60) Dibromochloromethane	9.506	129	347748	155.318	ug/l	98
61) 1,2-Dibromoethane	9.592	107	302715	152.949	ug/l	99
64) Tetrachloroethene	9.263	164	227931	144.590	ug/l	98
65) Chlorobenzene	10.061	112	828239	150.763	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.147	131	291433	153.733	ug/l	98
67) Ethyl Benzene	10.177	91	1431554	151.026	ug/l	99
68) m/p-Xylenes	10.287	106	1059776	300.381	ug/l	99
69) o-Xylene	10.628	106	521840	152.920	ug/l	99
70) Styrene	10.640	104	917532	153.449	ug/l	99
71) Bromoform	10.781	173	229683	162.262	ug/l	99
73) Isopropylbenzene	10.945	105	1321409	151.477	ug/l	99
74) N-amyl acetate	10.829	43	636879	160.099	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.195	83	403906	153.035	ug/l	99
76) 1,2,3-Trichloropropane	11.226	75	470623	202.576	ug/l	89
77) Bromobenzene	11.183	156	328336	152.818	ug/l	99
78) n-propylbenzene	11.287	91	1550316	150.337	ug/l	99
79) 2-Chlorotoluene	11.348	91	939707	148.781	ug/l	99
80) 1,3,5-Trimethylbenzene	11.433	105	1091593	152.306	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.000	75	145921	160.176	ug/l	97
82) 4-Chlorotoluene	11.439	91	1127233	151.112	ug/l	100
83) tert-Butylbenzene	11.701	119	1106532	150.819	ug/l	99
84) 1,2,4-Trimethylbenzene	11.738	105	1106914	152.336	ug/l	100
85) sec-Butylbenzene	11.872	105	1319819	151.448	ug/l	99
86) p-Isopropyltoluene	11.994	119	1103210	149.530	ug/l	99
87) 1,3-Dichlorobenzene	11.951	146	605123	151.633	ug/l	100
88) 1,4-Dichlorobenzene	12.024	146	613617	149.814	ug/l	99
89) n-Butylbenzene	12.317	91	1032357	151.222	ug/l	100
90) Hexachloroethane	12.518	117	211472	163.258	ug/l	98
91) 1,2-Dichlorobenzene	12.317	146	582565	153.227	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.920	75	89415	167.332	ug/l	96
93) 1,2,4-Trichlorobenzene	13.567	180	387652	156.884	ug/l	98
94) Hexachlorobutadiene	13.707	225	121791	145.110	ug/l	99
95) Naphthalene	13.756	128	1229363	163.388	ug/l	100
96) 1,2,3-Trichlorobenzene	13.939	180	369382	160.704	ug/l	99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047590.D
Acq On : 16 Sep 2025 12:01
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Quant Time: Sep 22 01:52:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

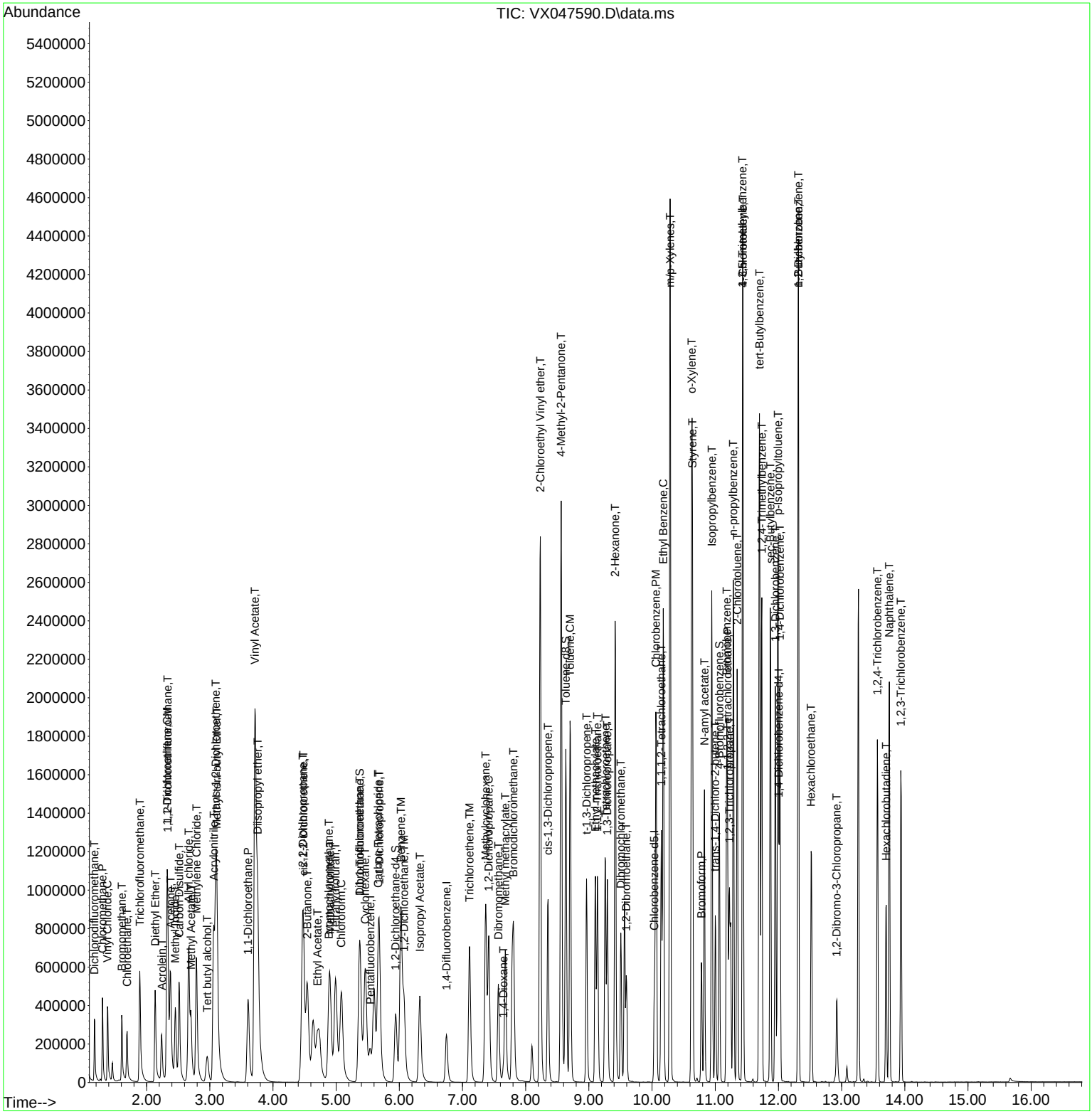
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

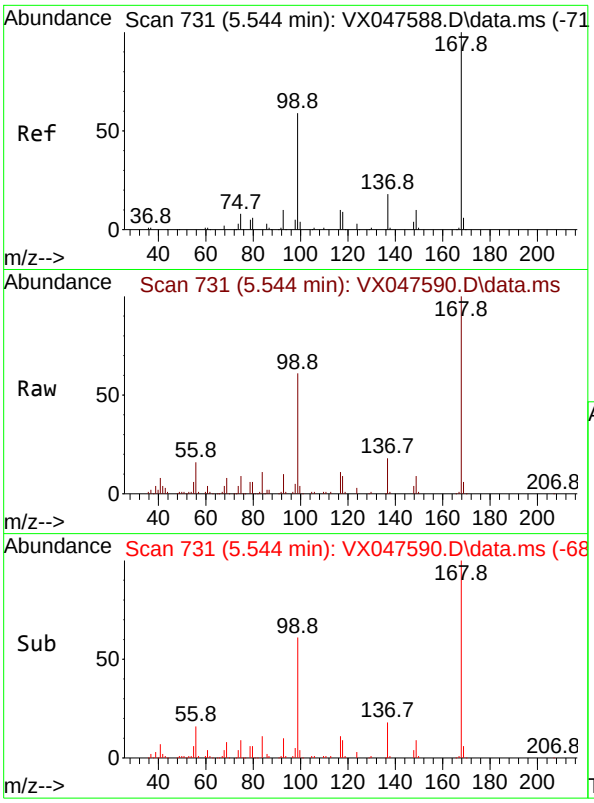
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047590.D
Acq On : 16 Sep 2025 12:01
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Quant Time: Sep 22 01:52:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



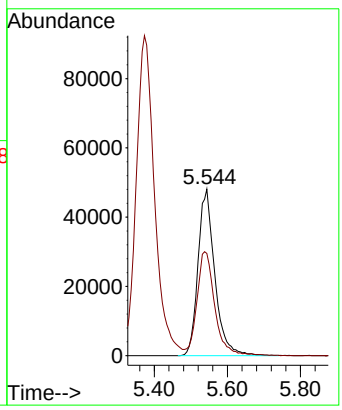


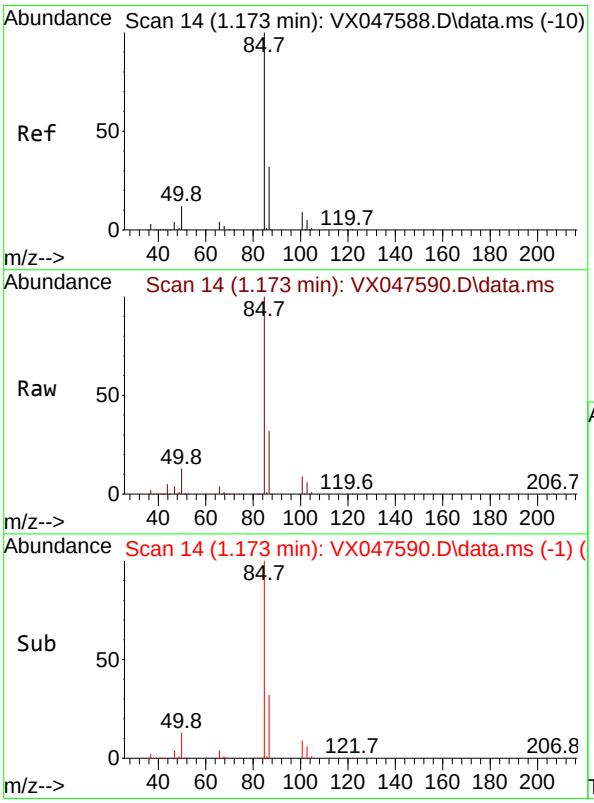
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:168 Resp: 153177

Ion	Ratio	Lower	Upper
168	100		
99	61.1	48.8	73.2

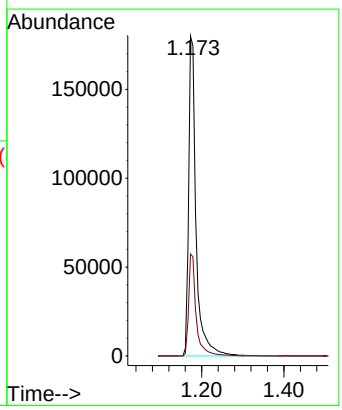


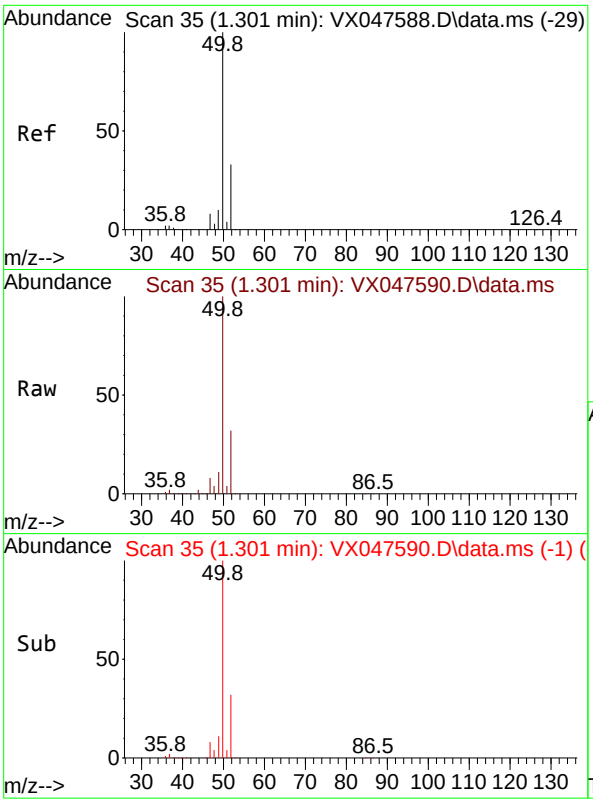


#2
Dichlorodifluoromethane
Concen: 142.586 ug/l
RT: 1.173 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 85 Resp: 226166

Ion	Ratio	Lower	Upper
85	100		
87	31.8	15.8	47.3



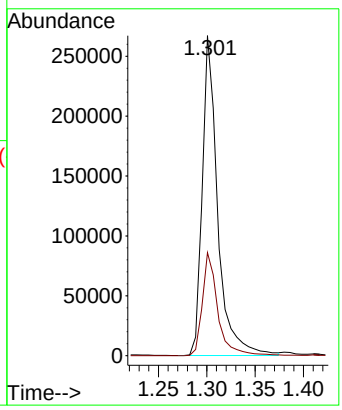


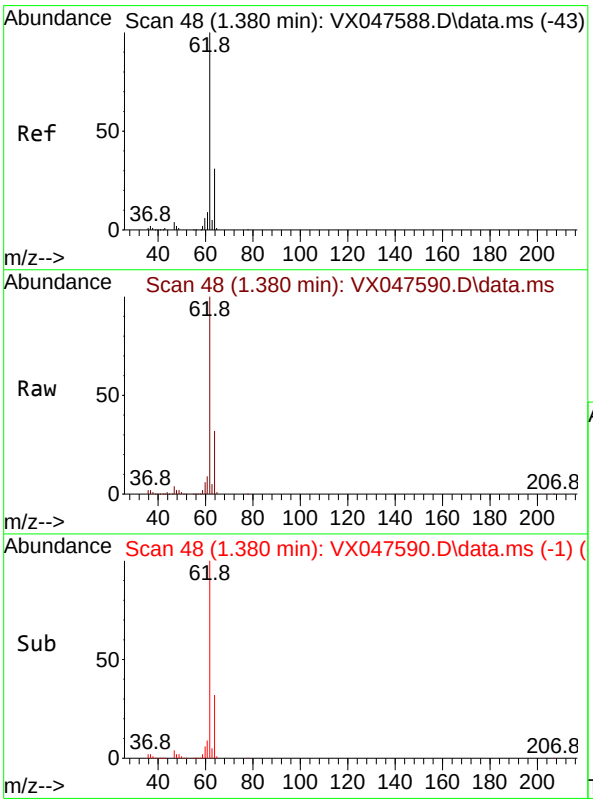
#3
Chloromethane
Concen: 142.593 ug/l
RT: 1.301 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 50 Resp: 297259

Ion	Ratio	Lower	Upper
50	100		
52	32.2	26.1	39.1

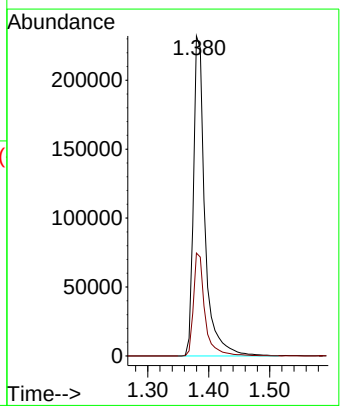


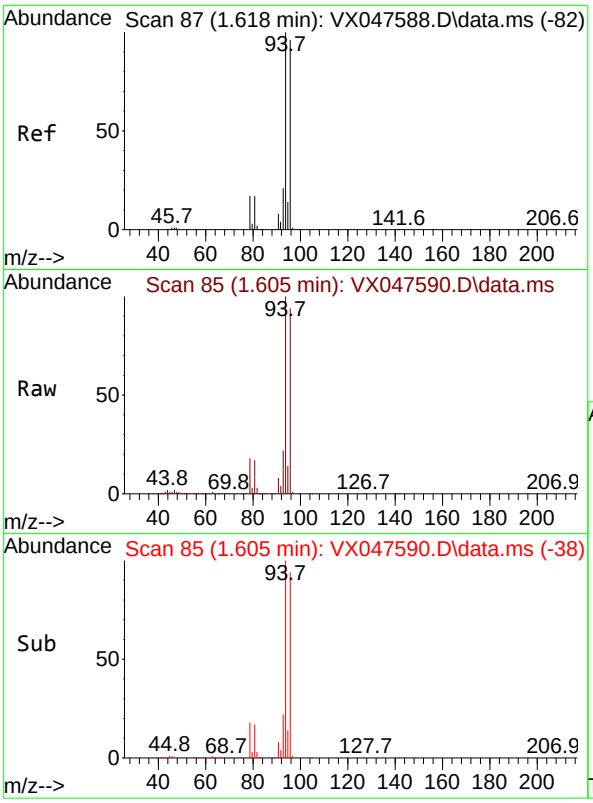


#4
Vinyl Chloride
Concen: 148.140 ug/l
RT: 1.380 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 62 Resp: 302303

Ion	Ratio	Lower	Upper
62	100		
64	32.1	24.9	37.3



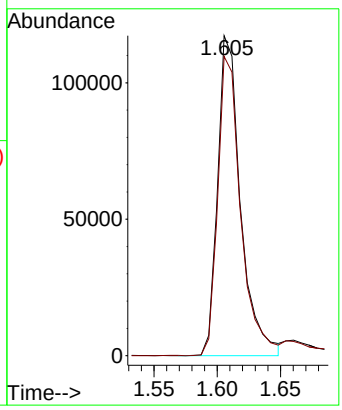


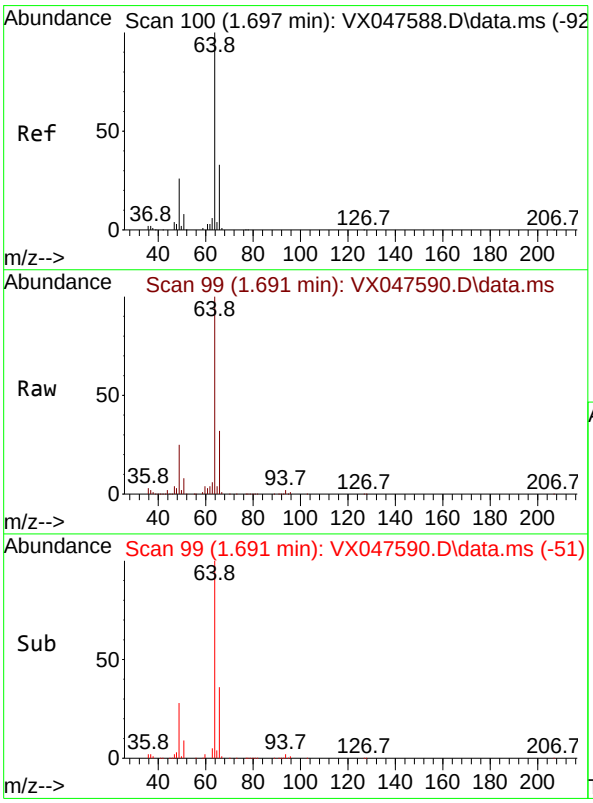
#5
Bromomethane
Concen: 114.019 ug/l
RT: 1.605 min Scan# 8
Delta R.T. -0.012 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 94 Resp: 147541

Ion	Ratio	Lower	Upper
94	100		
96	93.4	76.6	115.0

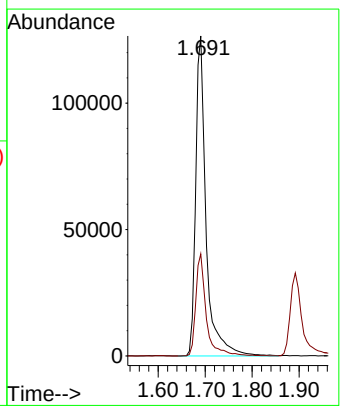


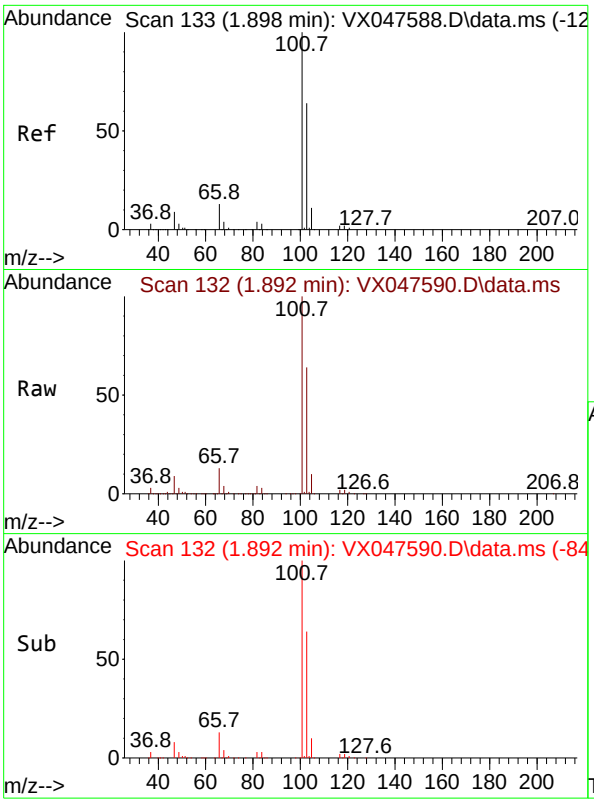


#6
Chloroethane
Concen: 143.652 ug/l
RT: 1.691 min Scan# 99
Delta R.T. -0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 64 Resp: 195927

Ion	Ratio	Lower	Upper
64	100		
66	31.9	26.1	39.1



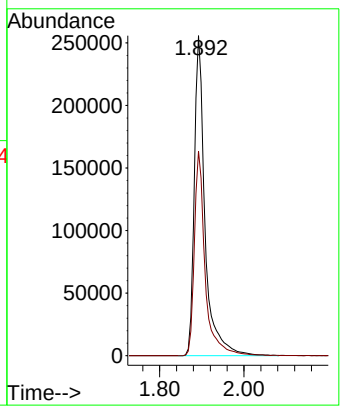


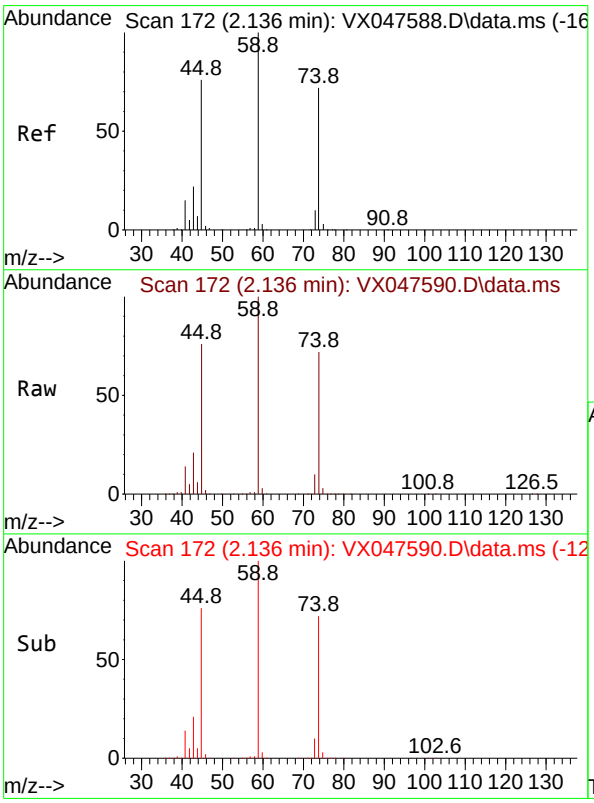
#7
Trichlorofluoromethane
Concen: 149.545 ug/l
RT: 1.892 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:101 Resp: 453116

Ion	Ratio	Lower	Upper
101	100		
103	63.9	51.4	77.2

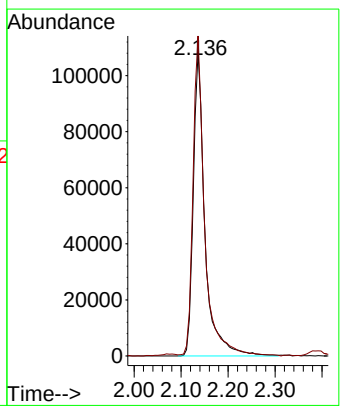


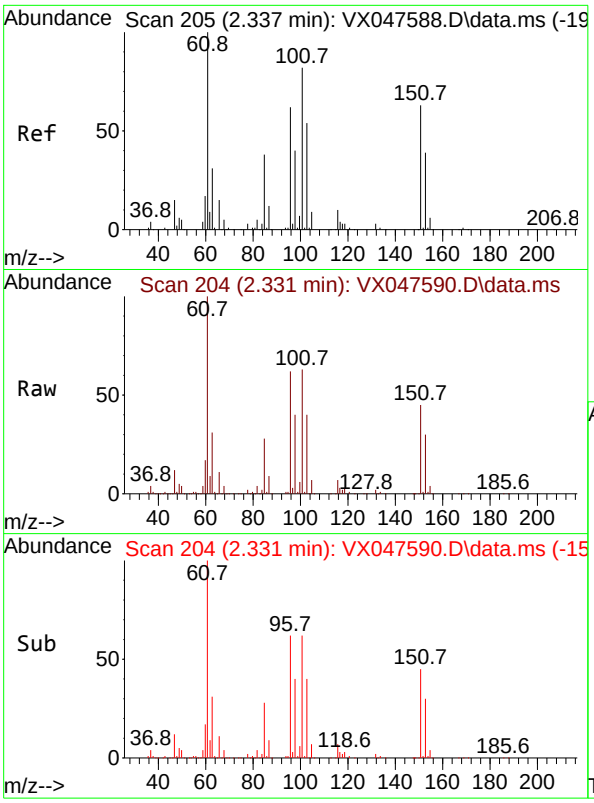


#8
Diethyl Ether
Concen: 151.684 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 74 Resp: 188006

Ion	Ratio	Lower	Upper
74	100		
45	105.5	52.3	156.8



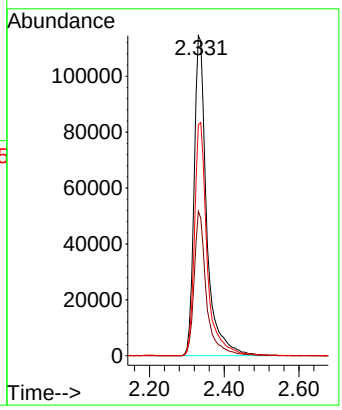


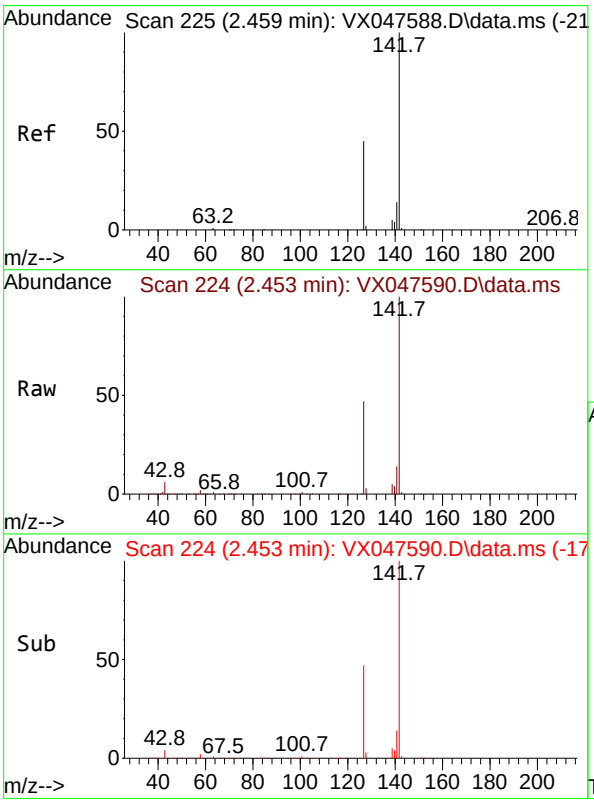
#9
1,1,2-Trichlorotrifluoroethane
Concen: 151.264 ug/l
RT: 2.331 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:101 Resp: 267995

Ion	Ratio	Lower	Upper
101	100		
85	43.9	35.5	53.3
151	73.2	59.4	89.0

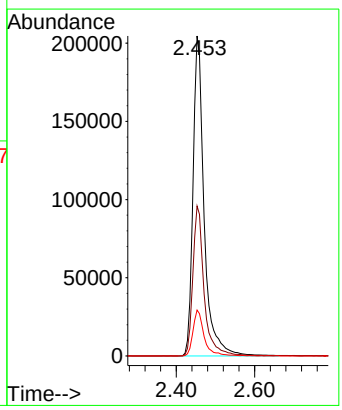


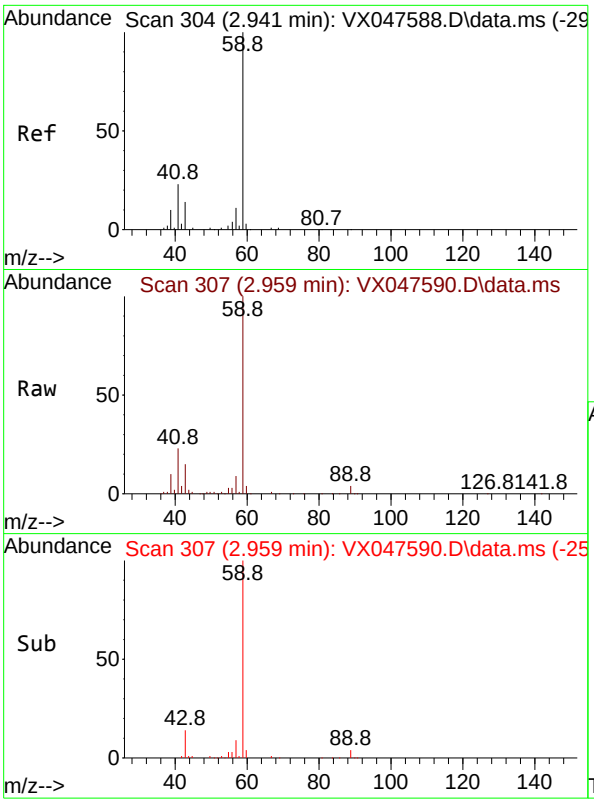


#10
Methyl Iodide
Concen: 147.384 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:142 Resp: 407242

Ion	Ratio	Lower	Upper
142	100		
127	47.3	37.2	55.8
141	14.3	11.4	17.0



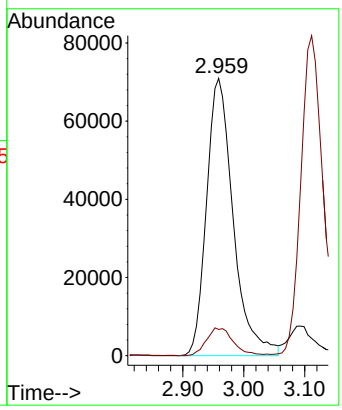


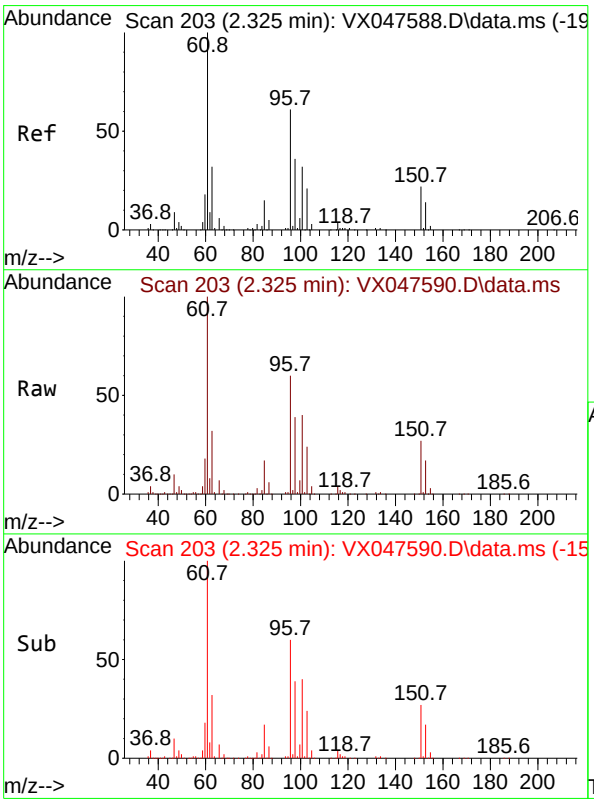
#11
Tert butyl alcohol
Concen: 795.166 ug/l
RT: 2.959 min Scan# 3
Delta R.T. 0.018 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 59 Resp: 215927

Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.3	12.5

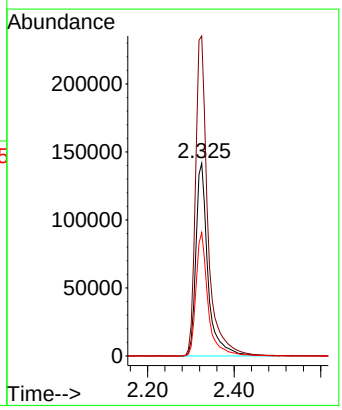


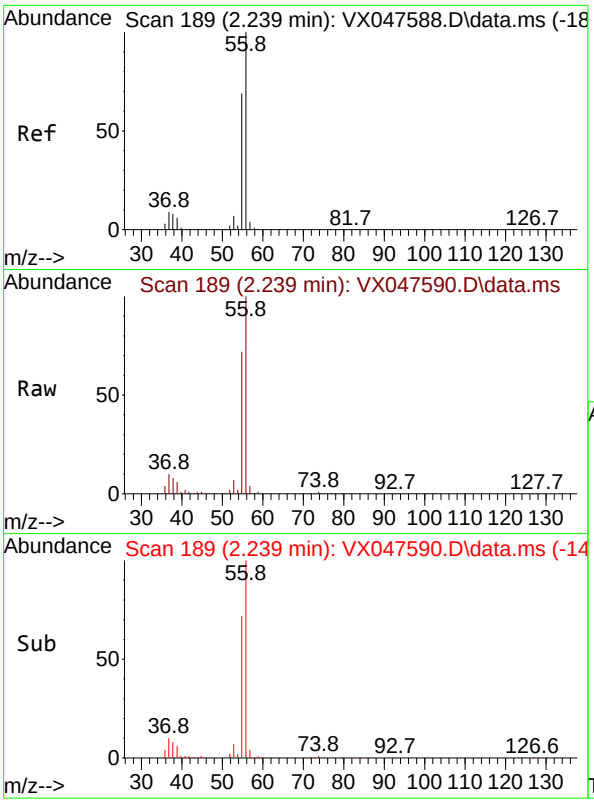


#12
1,1-Dichloroethene
Concen: 150.388 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 96 Resp: 273692

Ion	Ratio	Lower	Upper
96	100		
61	166.1	131.0	196.6
98	64.0	47.7	71.5



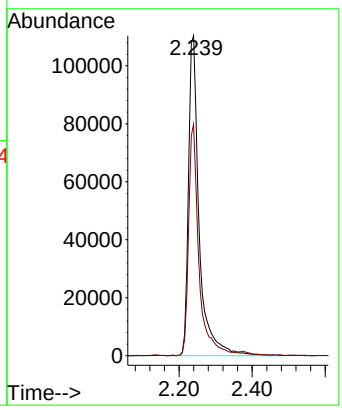


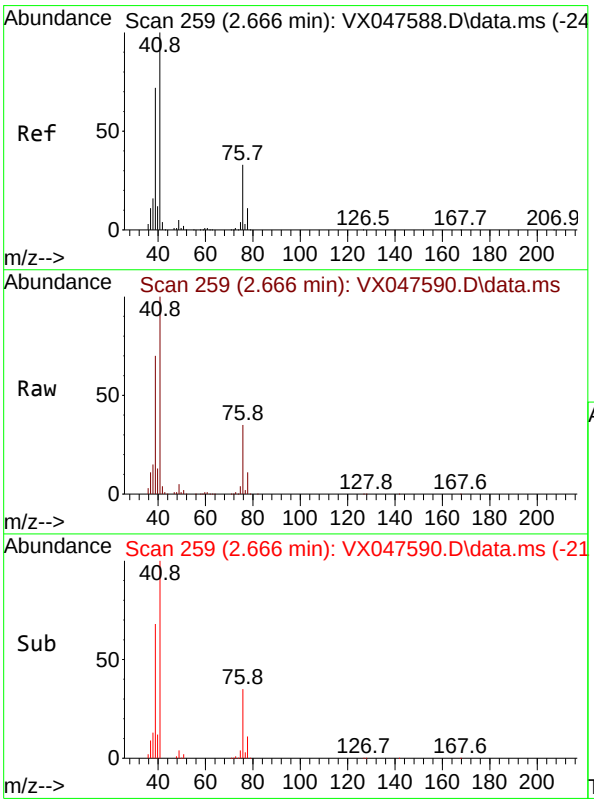
#13
Acrolein
Concen: 894.203 ug/l
RT: 2.239 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 56 Resp: 223763

Ion	Ratio	Lower	Upper
56	100		
55	69.6	57.2	85.8

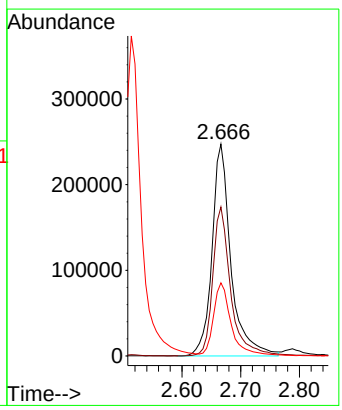


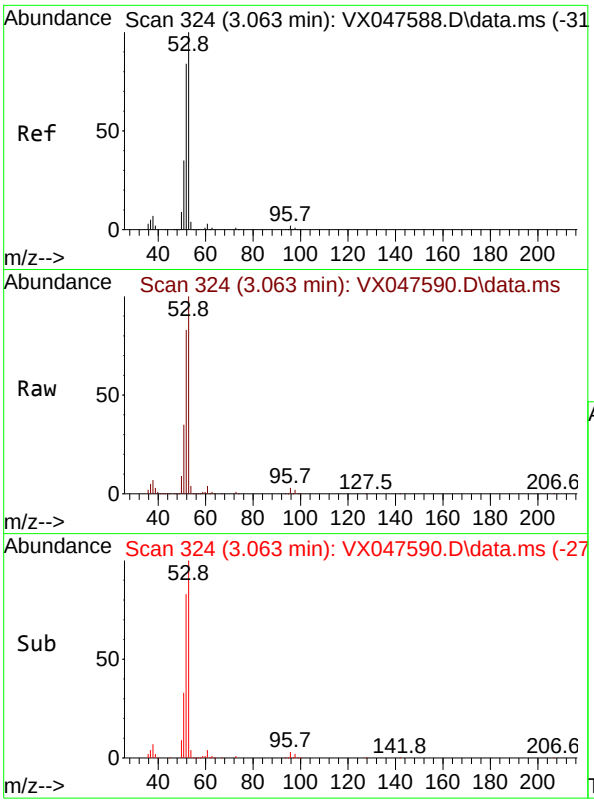


#14
Allyl chloride
Concen: 147.727 ug/l
RT: 2.666 min Scan# 259
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 41 Resp: 554779

Ion	Ratio	Lower	Upper
41	100		
39	67.3	54.7	82.1
76	32.4	25.7	38.5



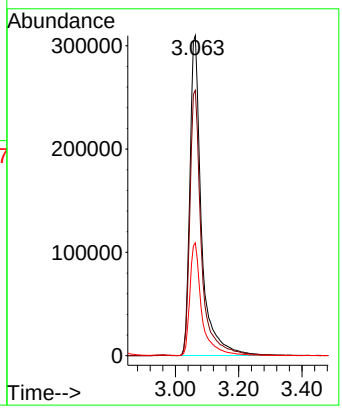


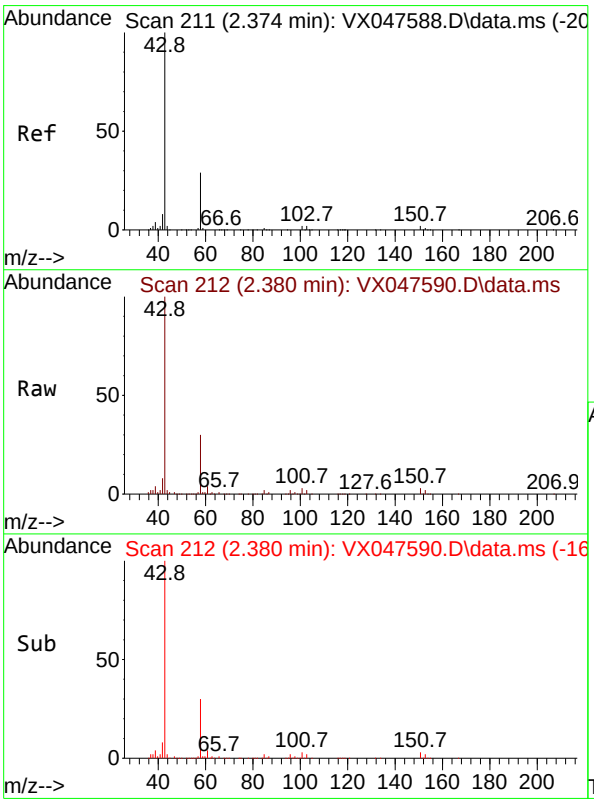
#15
Acrylonitrile
Concen: 786.201 ug/l
RT: 3.063 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 53 Resp: 790790

Ion	Ratio	Lower	Upper
53	100		
52	82.6	66.4	99.6
51	36.1	29.5	44.3

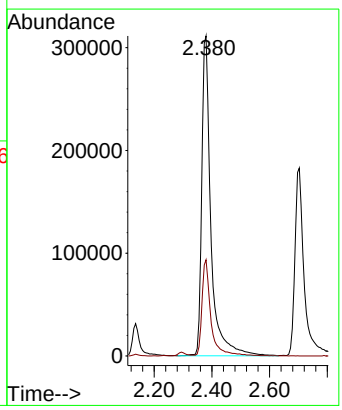


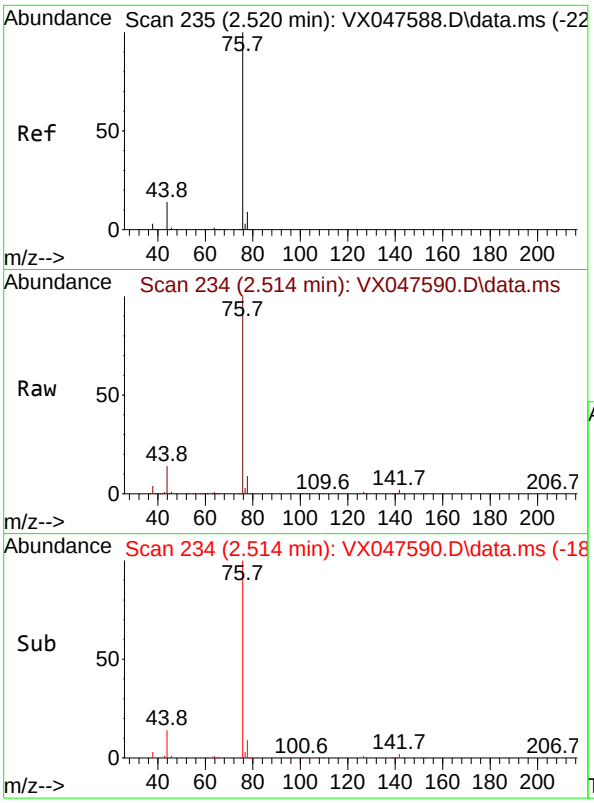


#16
Acetone
Concen: 647.201 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 43 Resp: 686119

Ion	Ratio	Lower	Upper
43	100		
58	30.0	23.4	35.0



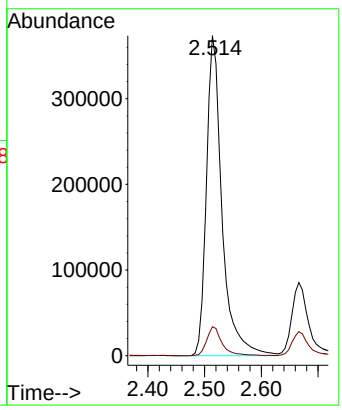


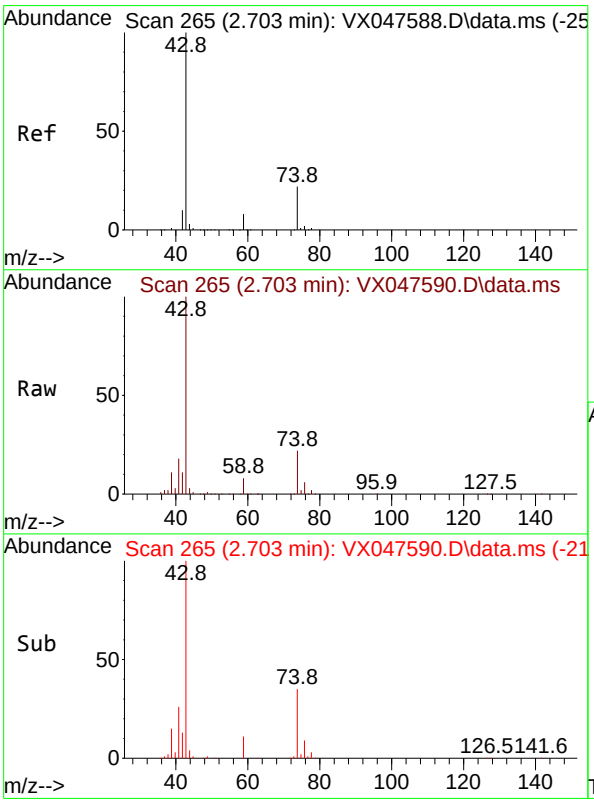
#17
Carbon Disulfide
Concen: 143.412 ug/l
RT: 2.514 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 76 Resp: 714503

Ion	Ratio	Lower	Upper
76	100		
78	9.0	6.8	10.2

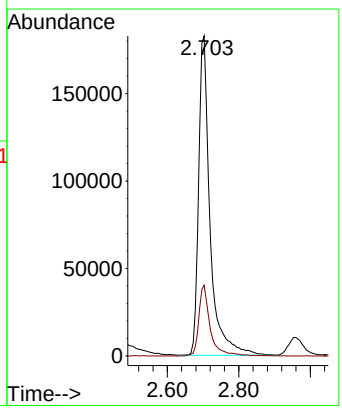


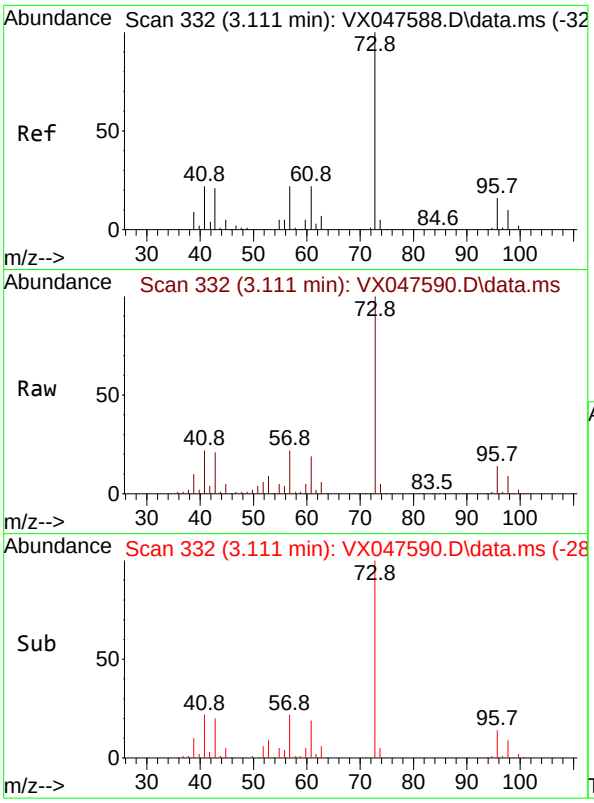


#18
Methyl Acetate
Concen: 171.548 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 43 Resp: 404736

Ion	Ratio	Lower	Upper
43	100		
74	22.1	17.4	26.2



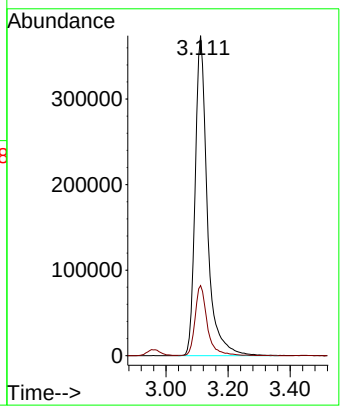


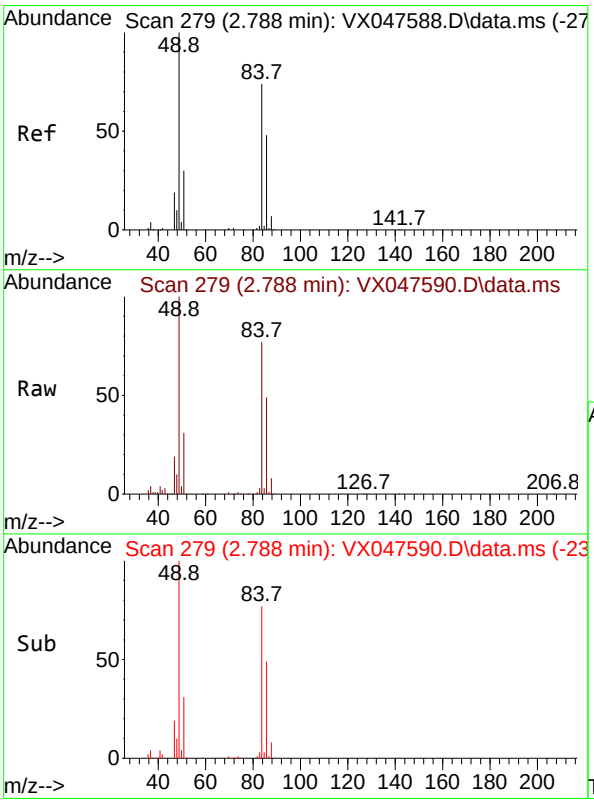
#19
Methyl tert-butyl Ether
Concen: 152.826 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 73 Resp: 1015295

Ion	Ratio	Lower	Upper
73	100		
57	21.9	17.4	26.2

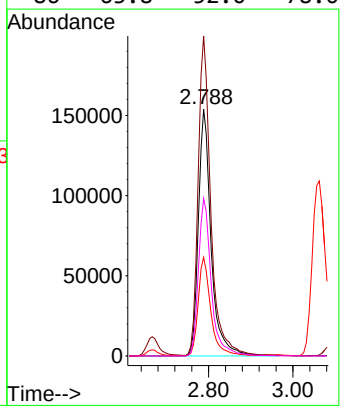


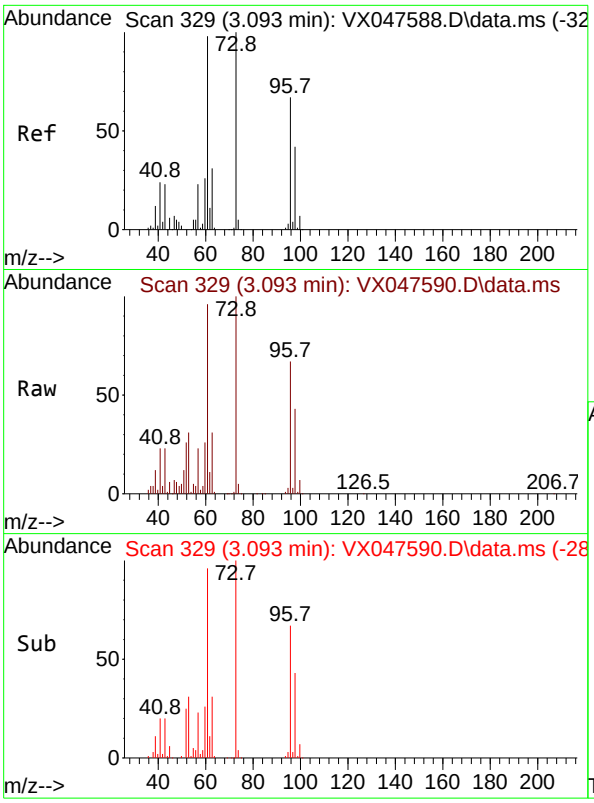


#20
Methylene Chloride
Concen: 144.398 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 84 Resp: 324032

Ion	Ratio	Lower	Upper
84	100		
49	129.4	108.6	162.8
51	39.9	32.6	48.8
86	63.8	52.0	78.0



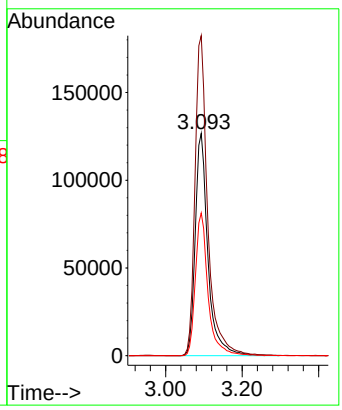


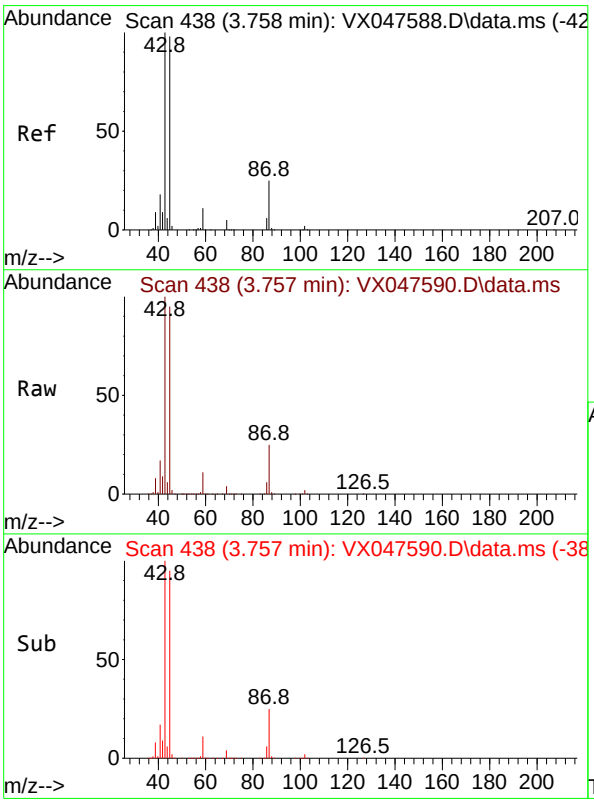
#21
trans-1,2-Dichloroethene
Concen: 148.833 ug/l
RT: 3.093 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 96 Resp: 291616

Ion	Ratio	Lower	Upper
96	100		
61	144.0	116.2	174.2
98	64.3	49.3	73.9

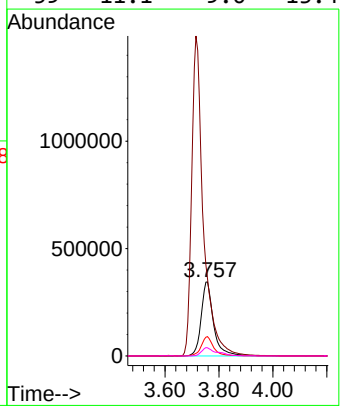


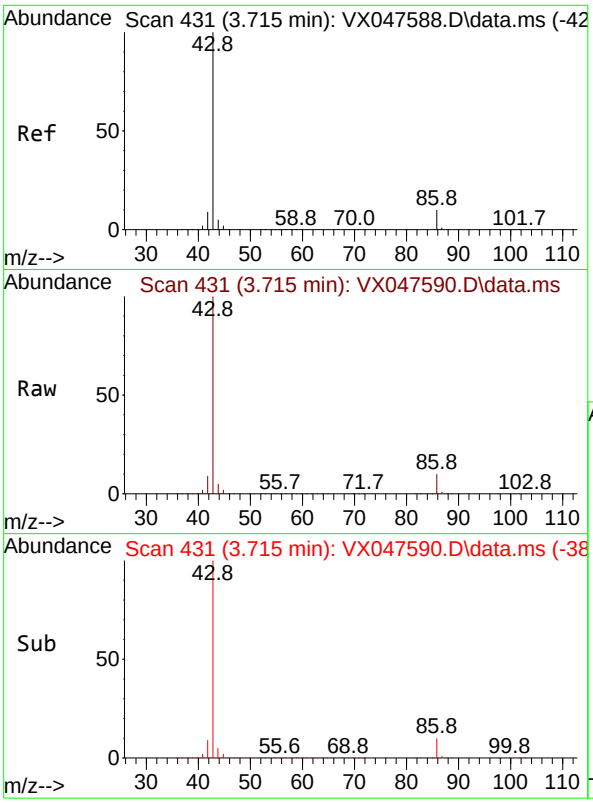


#22
Diisopropyl ether
Concen: 150.551 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 45 Resp: 1095726

Ion	Ratio	Lower	Upper
45	100		
43	104.7	81.0	121.4
87	26.2	20.3	30.5
59	11.1	9.0	13.4



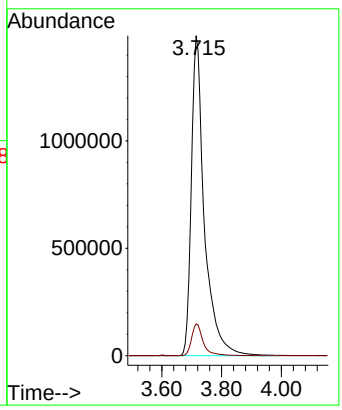


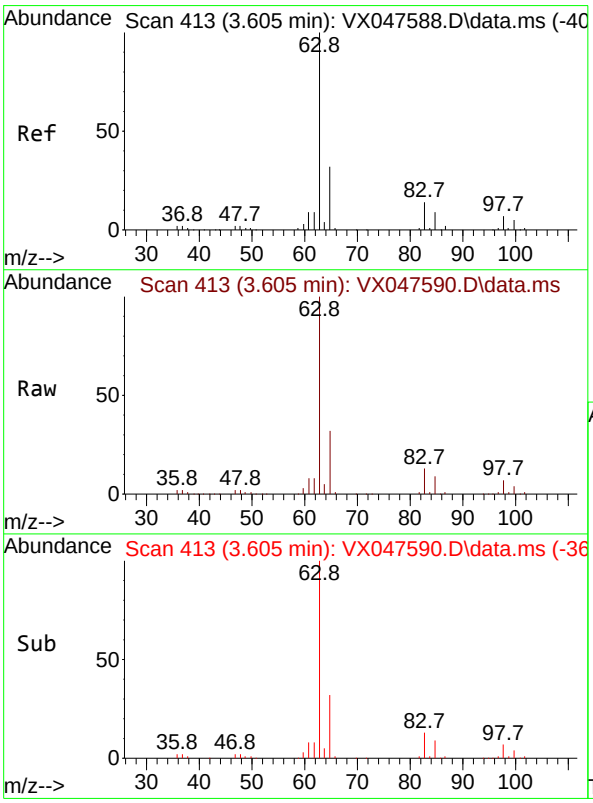
#23
Vinyl Acetate
Concen: 773.364 ug/l
RT: 3.715 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 4504849

Ion	Ratio	Lower	Upper
43	100		
86	10.0	7.8	11.8

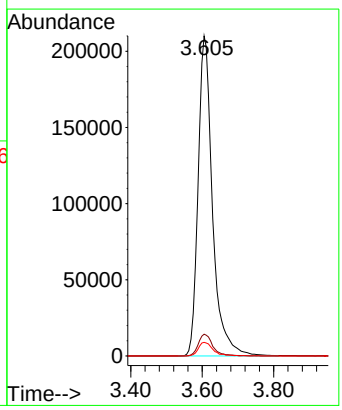


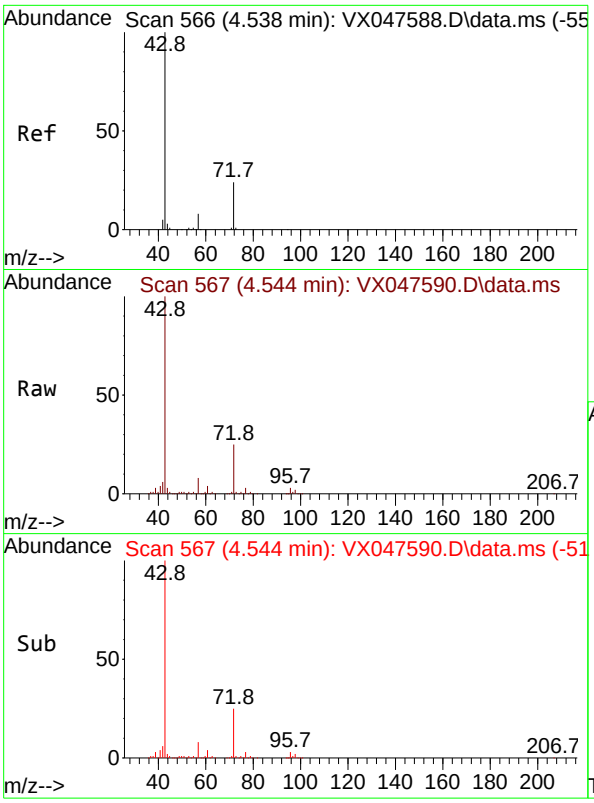


#24
1,1-Dichloroethane
Concen: 151.776 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 63 Resp: 587129

Ion	Ratio	Lower	Upper
63	100		
98	6.8	3.8	11.2
100	4.3	2.3	6.9



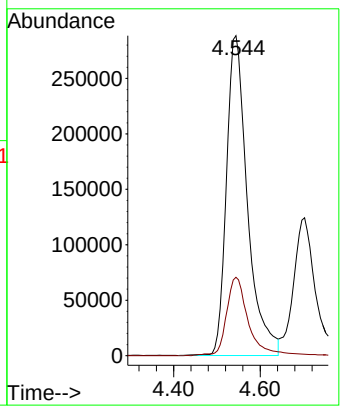


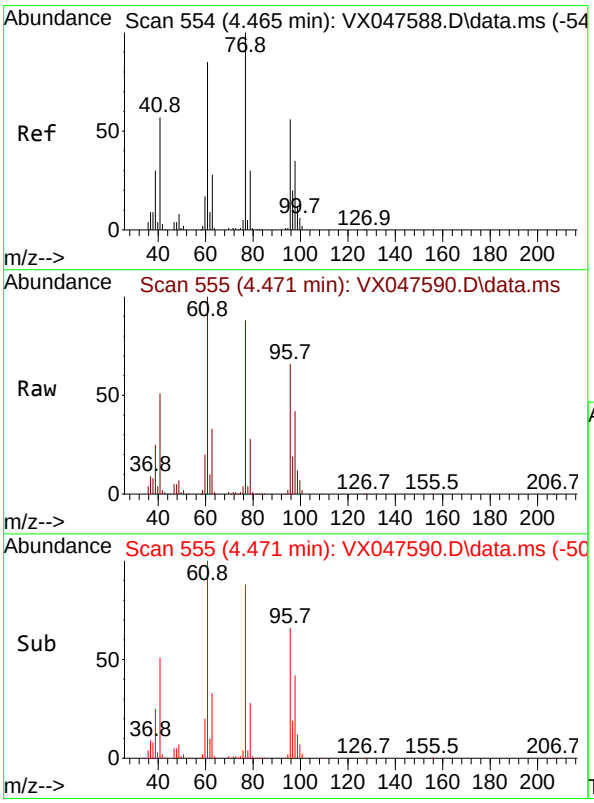
#25
2-Butanone
Concen: 736.502 ug/l
RT: 4.544 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 973938

Ion	Ratio	Lower	Upper
43	100		
72	24.6	20.1	30.1

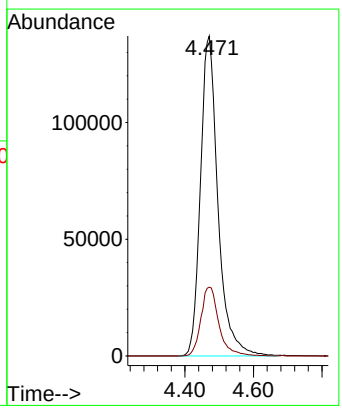


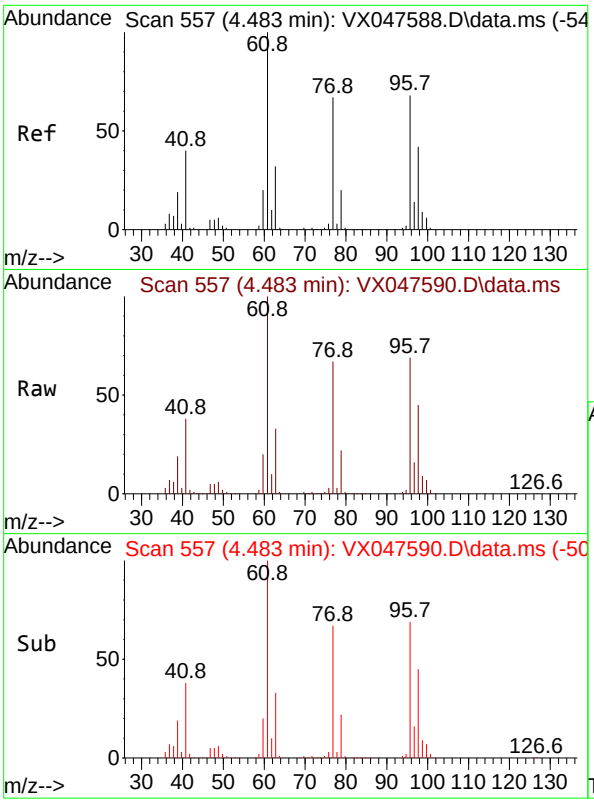


#26
2,2-Dichloropropane
Concen: 151.414 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 77 Resp: 486890

Ion	Ratio	Lower	Upper
77	100		
97	22.1	10.9	32.7



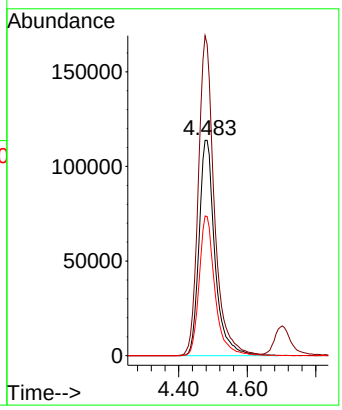


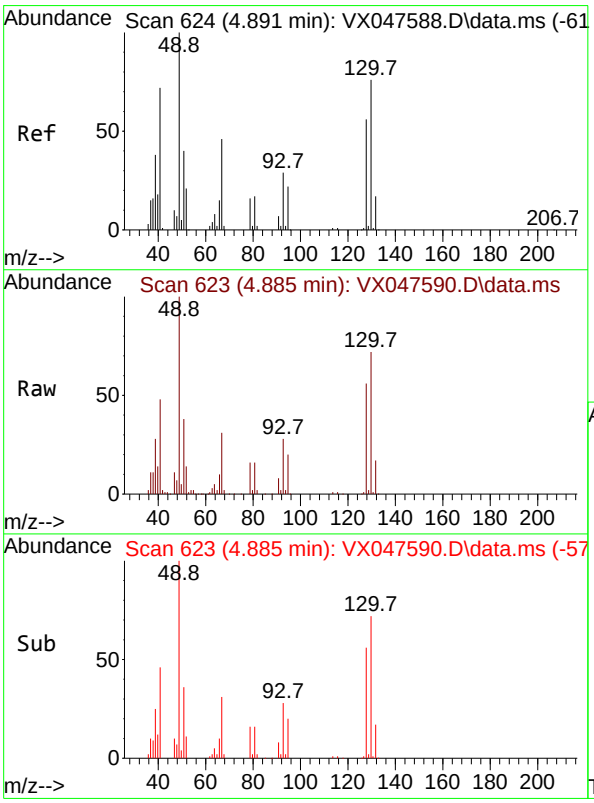
#27
cis-1,2-Dichloroethene
Concen: 152.638 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 96 Resp: 366262

Ion	Ratio	Lower	Upper
96	100		
61	149.8	0.0	303.2
98	64.6	0.0	127.8

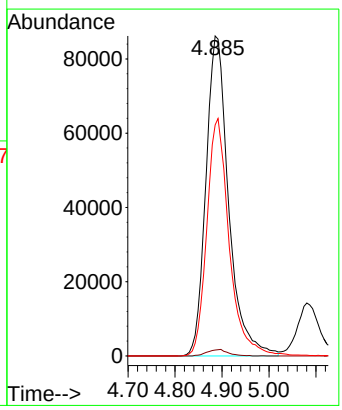


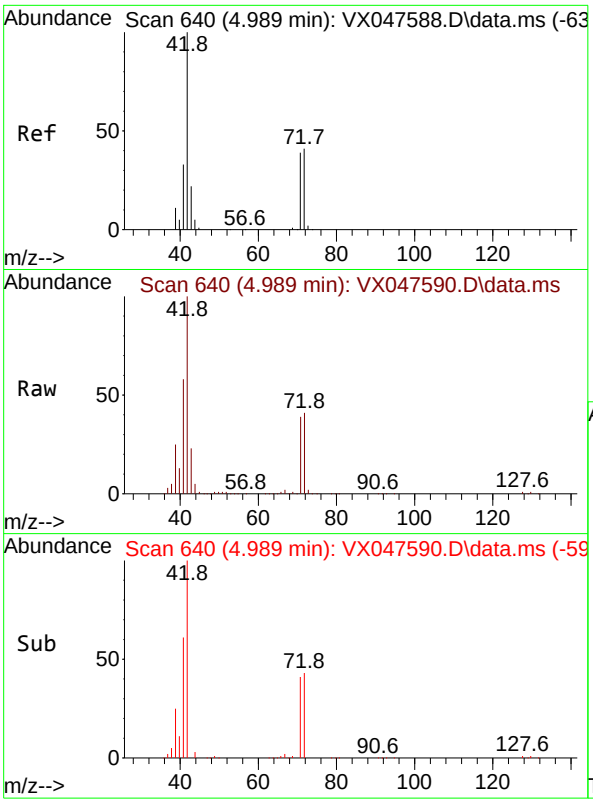


#28
Bromochloromethane
Concen: 171.451 ug/l
RT: 4.885 min Scan# 623
Delta R.T. -0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 49 Resp: 289548

Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.2
130	73.2	57.8	86.8



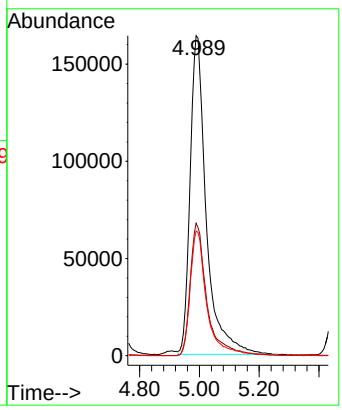


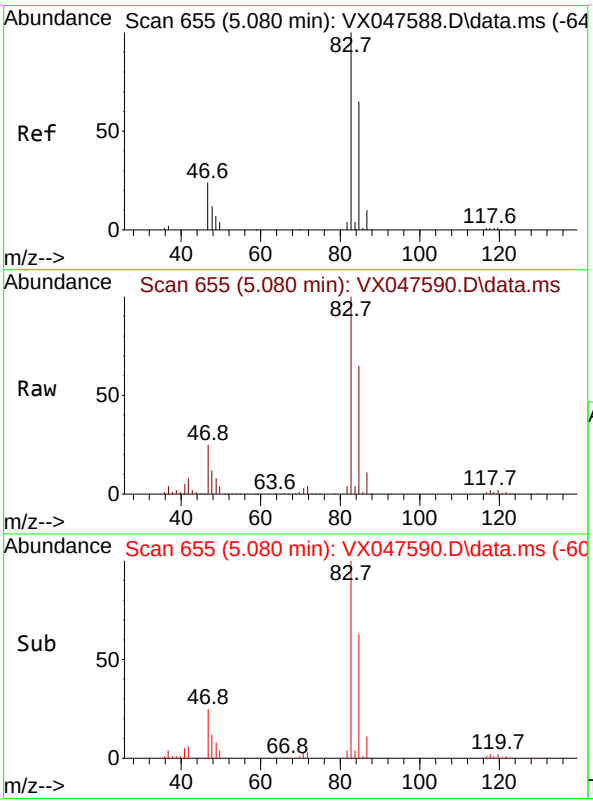
#29
Tetrahydrofuran
Concen: 774.811 ug/l
RT: 4.989 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 42 Resp: 616374

Ion	Ratio	Lower	Upper
42	100		
72	42.8	34.2	51.2
71	39.9	31.9	47.9

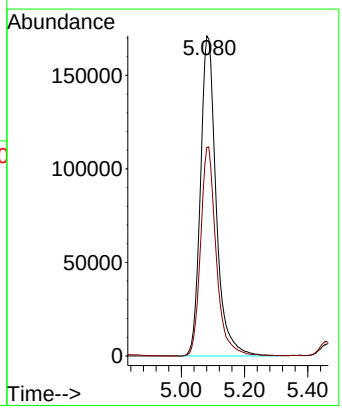


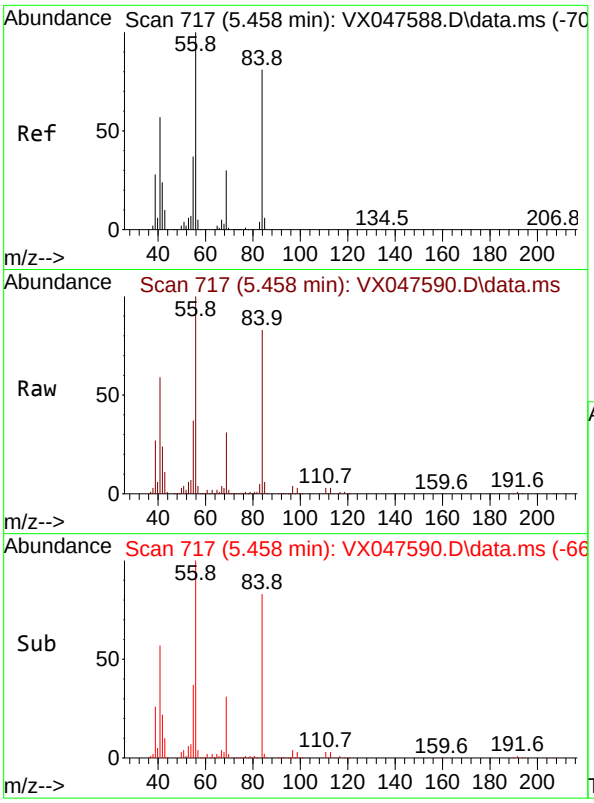


#30
Chloroform
Concen: 151.367 ug/l
RT: 5.080 min Scan# 655
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 83 Resp: 591709

Ion	Ratio	Lower	Upper
83	100		
85	65.2	51.8	77.6



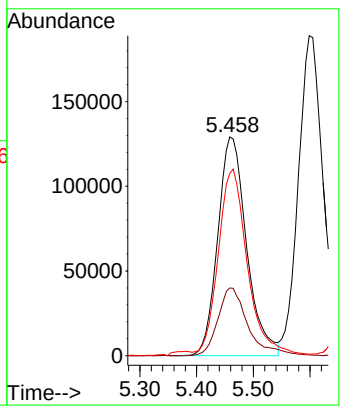


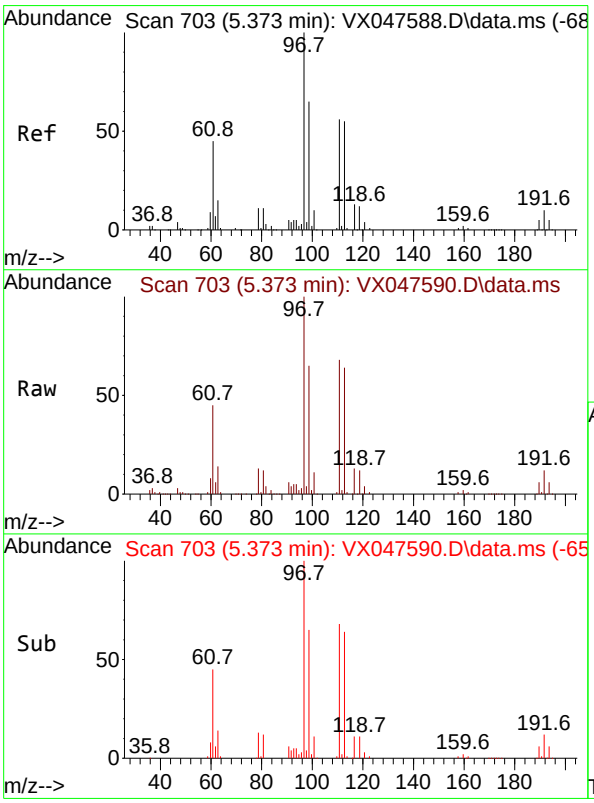
#31
Cyclohexane
Concen: 141.570 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 56 Resp: 456119

Ion	Ratio	Lower	Upper
56	100		
69	30.5	23.8	35.8
84	81.5	64.6	97.0

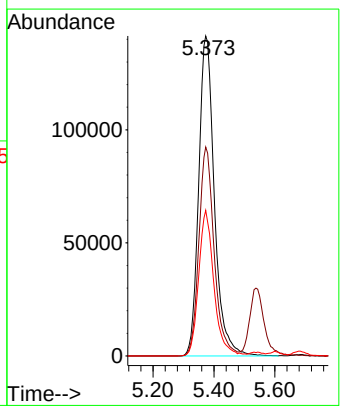


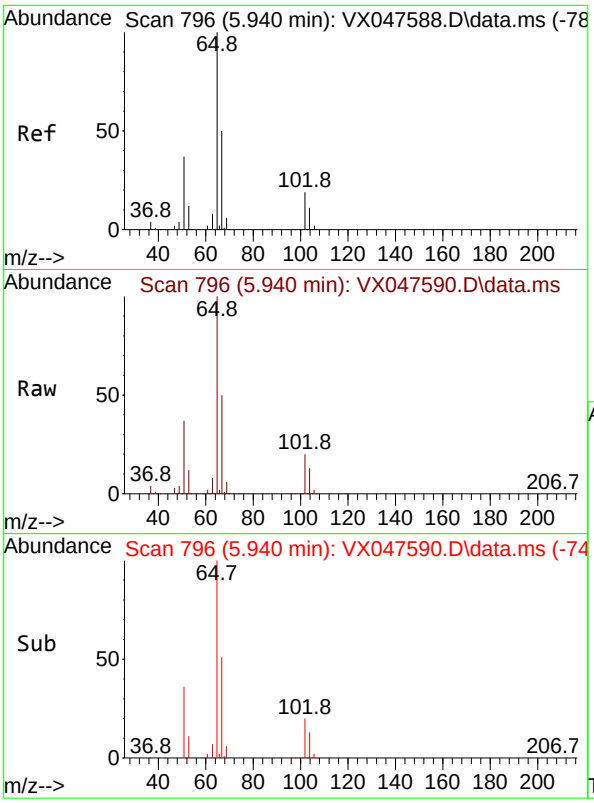


#32
1,1,1-Trichloroethane
Concen: 152.802 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 97 Resp: 506654

Ion	Ratio	Lower	Upper
97	100		
99	63.6	50.6	76.0
61	44.2	35.8	53.8



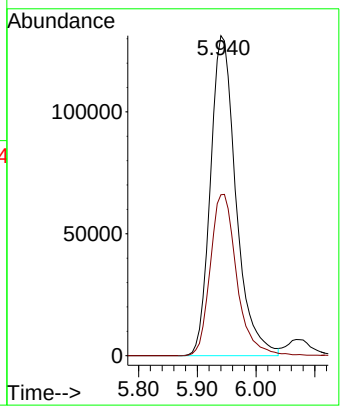


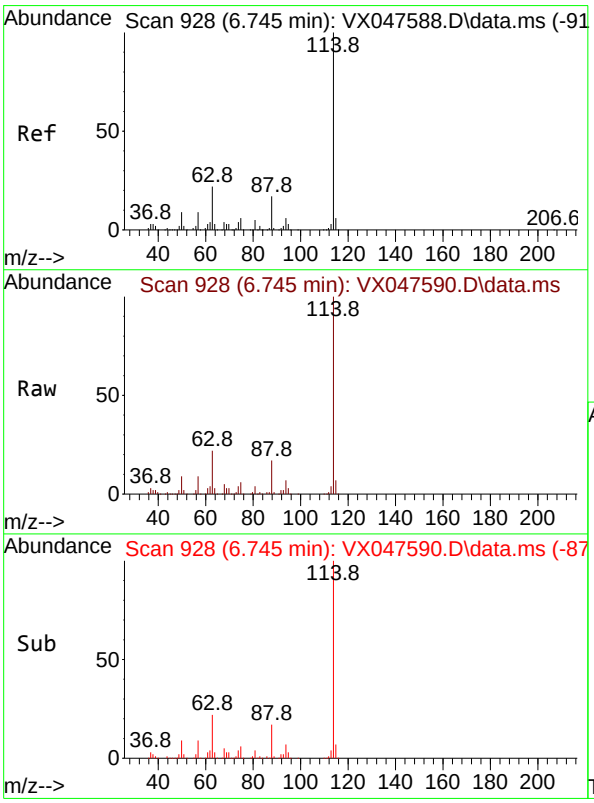
#33
1,2-Dichloroethane-d4
Concen: 162.673 ug/l
RT: 5.940 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 65 Resp: 396627

Ion	Ratio	Lower	Upper
65	100		
67	52.3	0.0	103.0

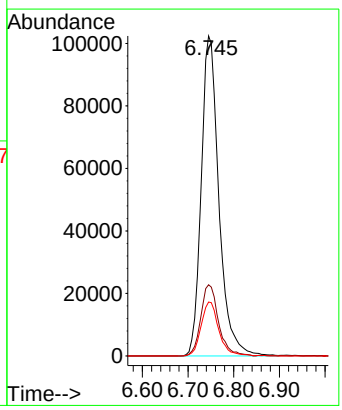


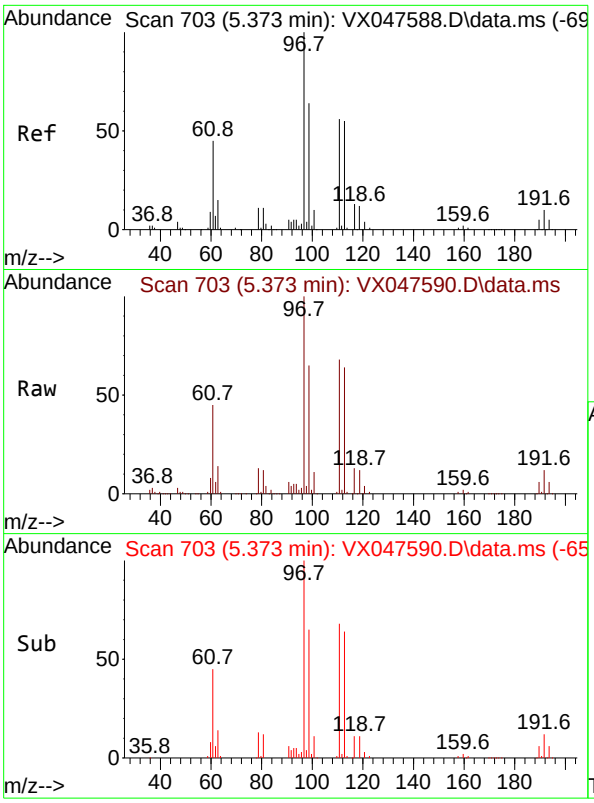


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 928
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:114 Resp: 274804

Ion	Ratio	Lower	Upper
114	100		
63	22.3	0.0	44.0
88	16.8	0.0	34.2



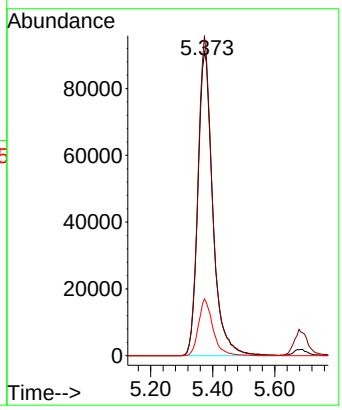


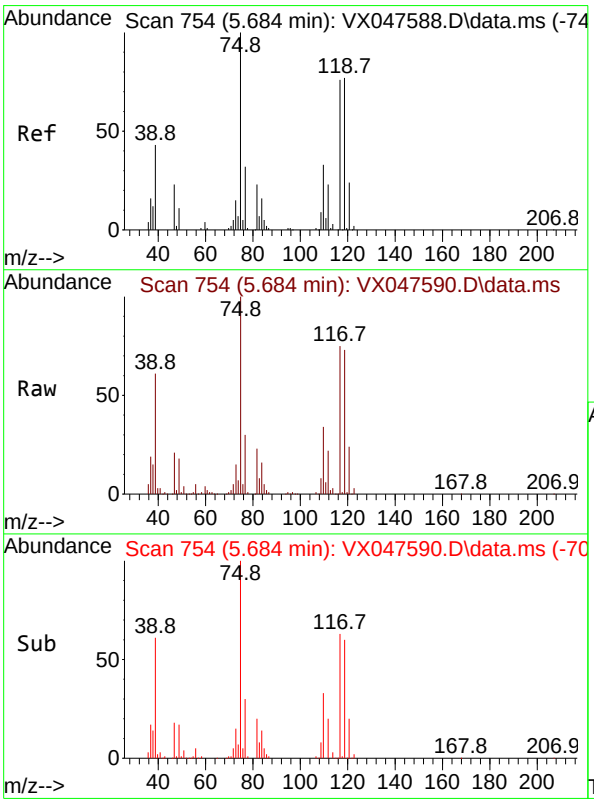
#35
Dibromofluoromethane
Concen: 164.802 ug/l
RT: 5.373 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:113 Resp: 303728

Ion	Ratio	Lower	Upper
113	100		
111	102.4	80.9	121.3
192	18.1	14.2	21.4

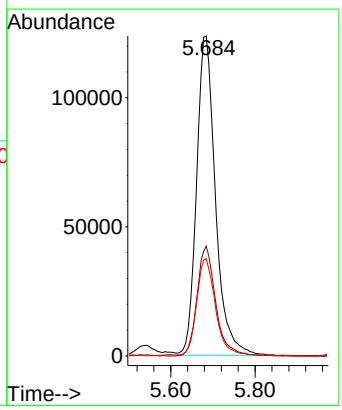


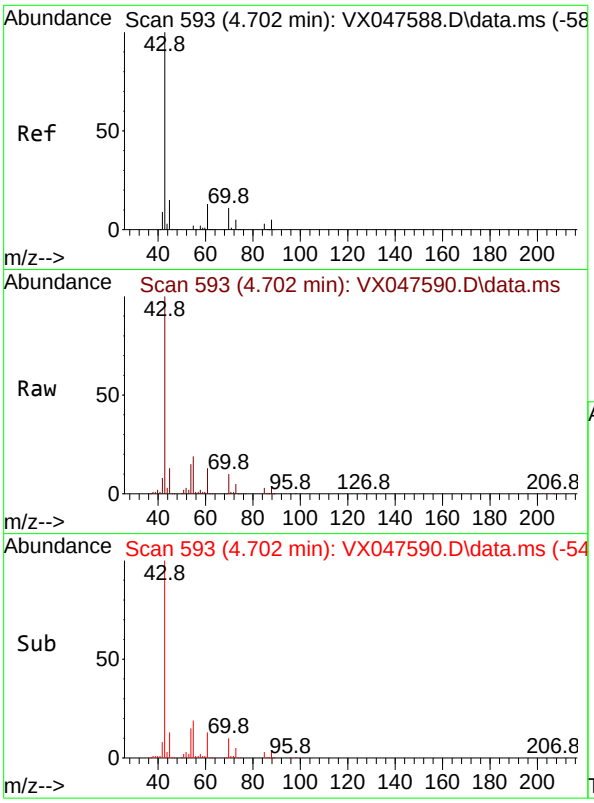


#36
1,1-Dichloropropene
Concen: 143.556 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 75 Resp: 386601

Ion	Ratio	Lower	Upper
75	100		
110	33.9	16.7	50.1
77	30.6	24.3	36.5



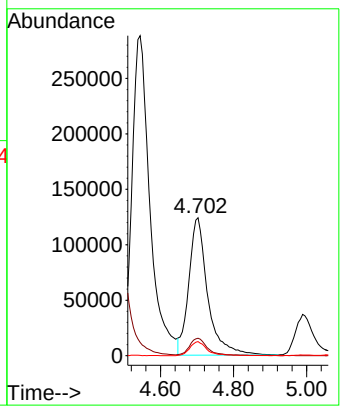


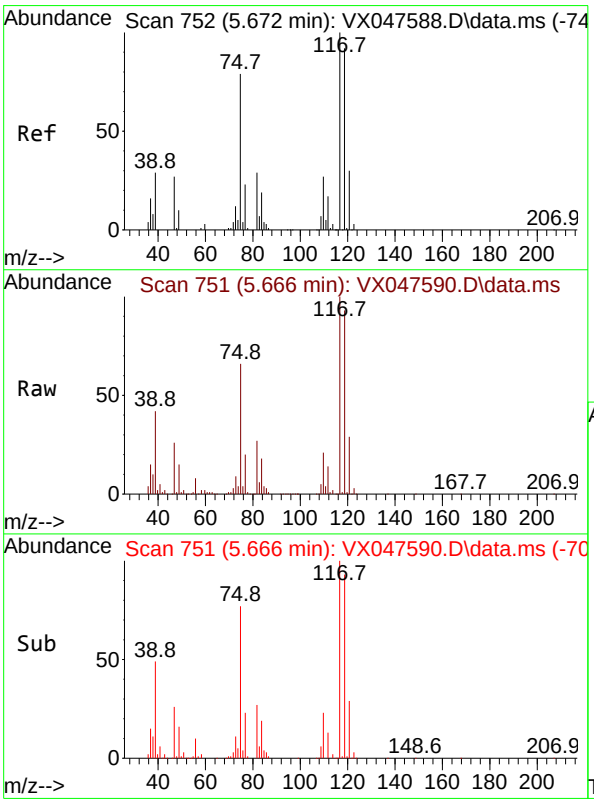
#37
Ethyl Acetate
Concen: 154.141 ug/l
RT: 4.702 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 444461

Ion	Ratio	Lower	Upper
43	100		
61	12.1	9.8	14.8
70	9.5	7.9	11.9

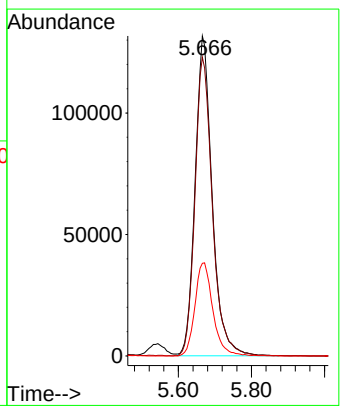


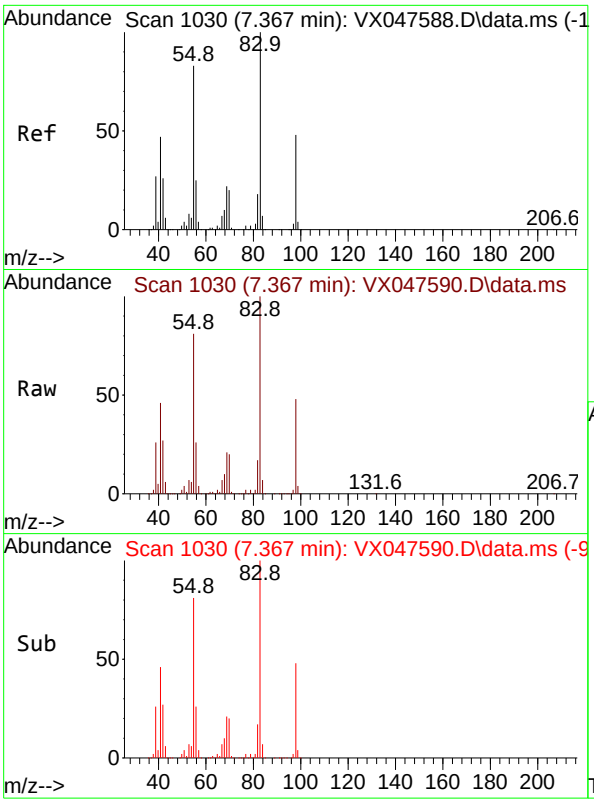


#38
Carbon Tetrachloride
Concen: 146.021 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:117 Resp: 427263

Ion	Ratio	Lower	Upper
117	100		
119	93.3	73.4	110.2
121	29.0	23.8	35.6



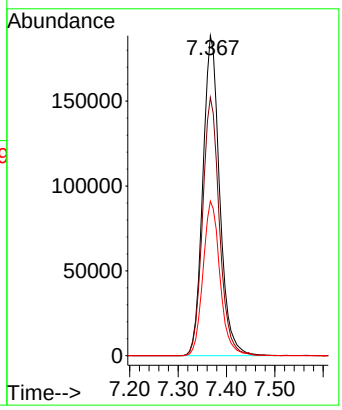


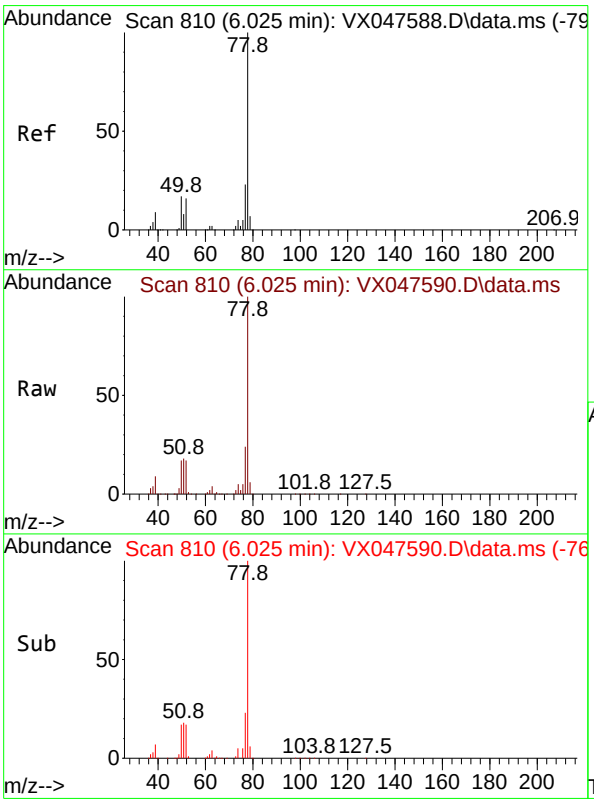
#39
Methylcyclohexane
Concen: 149.395 ug/l
RT: 7.367 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 83 Resp: 456694

Ion	Ratio	Lower	Upper
83	100		
55	80.7	66.4	99.6
98	48.3	38.1	57.1

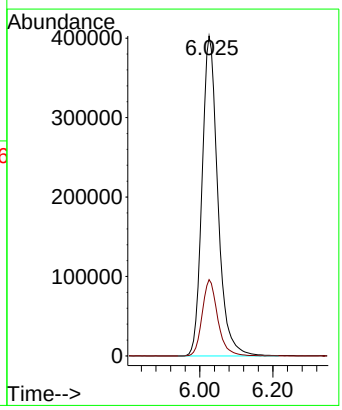


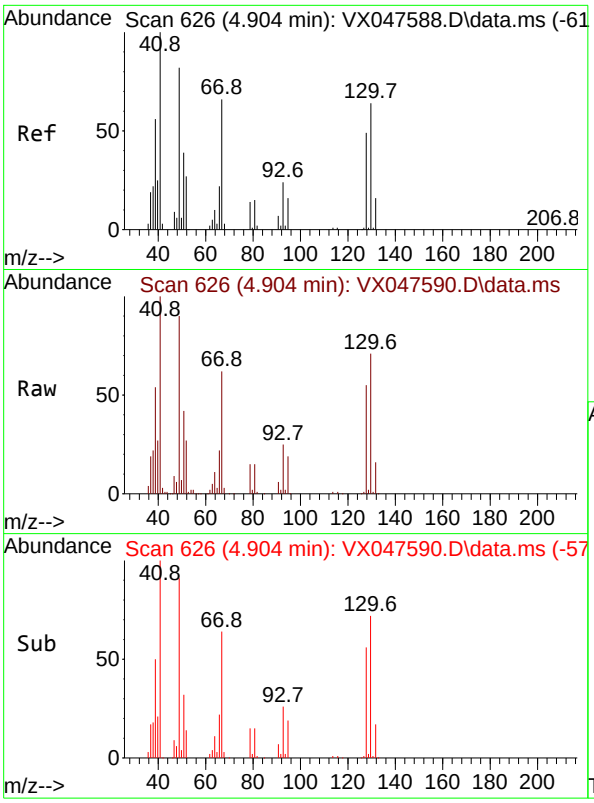


#40
Benzene
Concen: 147.057 ug/l
RT: 6.025 min Scan# 810
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 78 Resp: 1202846

Ion	Ratio	Lower	Upper
78	100		
77	23.9	18.8	28.2



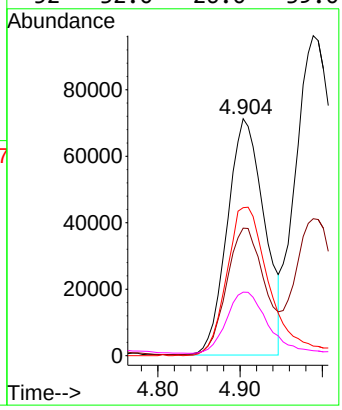


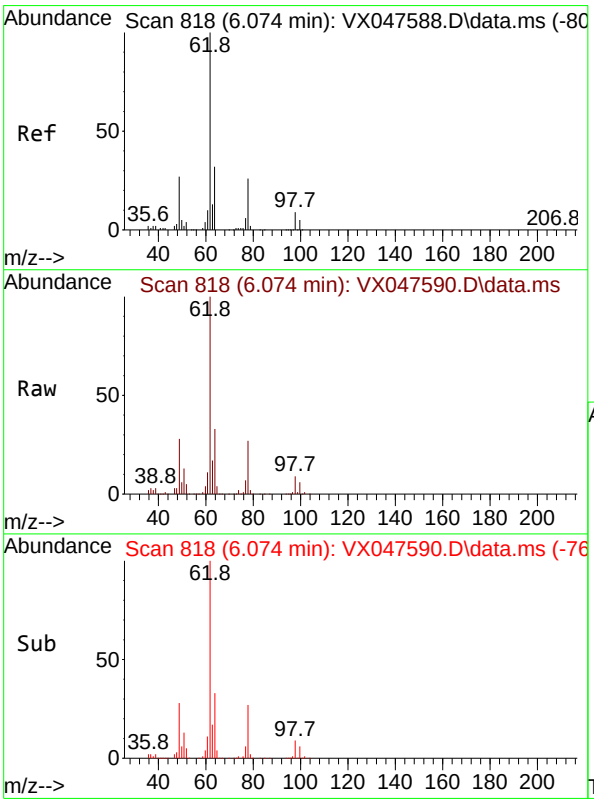
#41
Methacrylonitrile
Concen: 149.951 ug/l
RT: 4.904 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 41 Resp: 223218

Ion	Ratio	Lower	Upper
41	100		
39	54.5	43.3	64.9
67	74.6	58.6	87.8
52	32.0	26.0	39.0

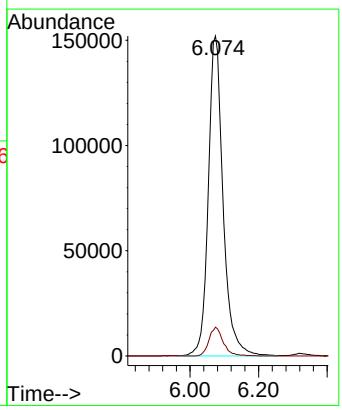


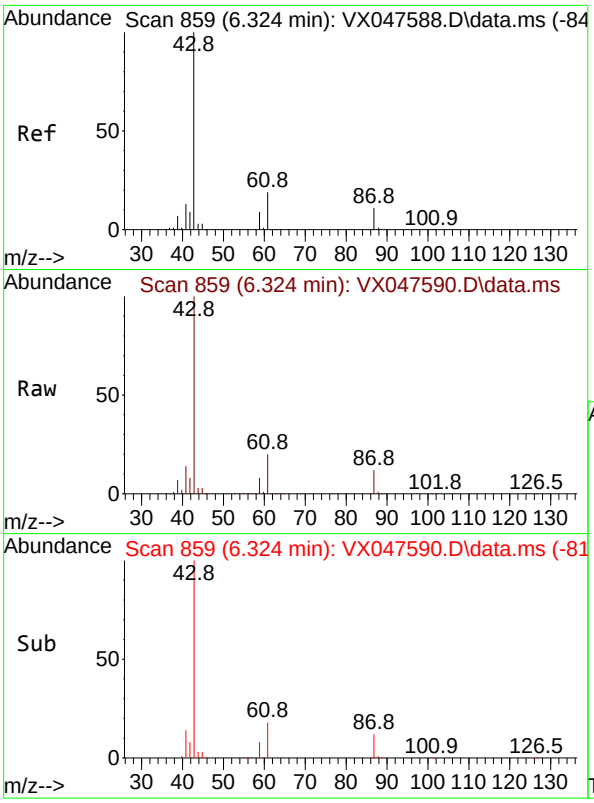


#42
1,2-Dichloroethane
Concen: 146.515 ug/l
RT: 6.074 min Scan# 818
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 62 Resp: 455978

Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	17.0



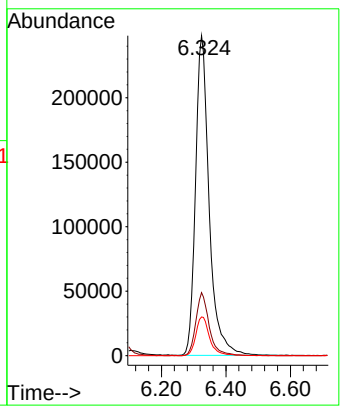


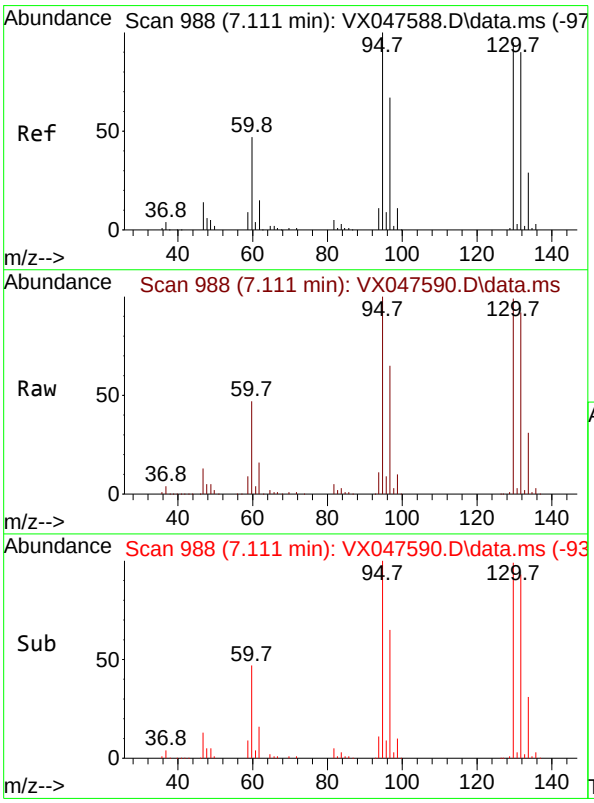
#43
Isopropyl Acetate
Concen: 153.283 ug/l
RT: 6.324 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 724888

Ion	Ratio	Lower	Upper
43	100		
61	19.4	15.2	22.8
87	12.3	9.6	14.4

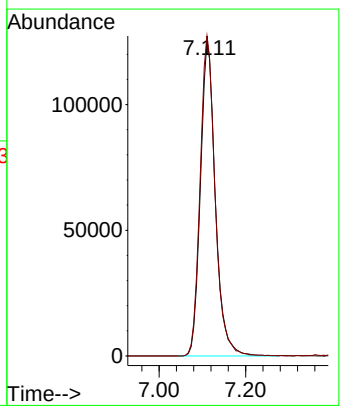


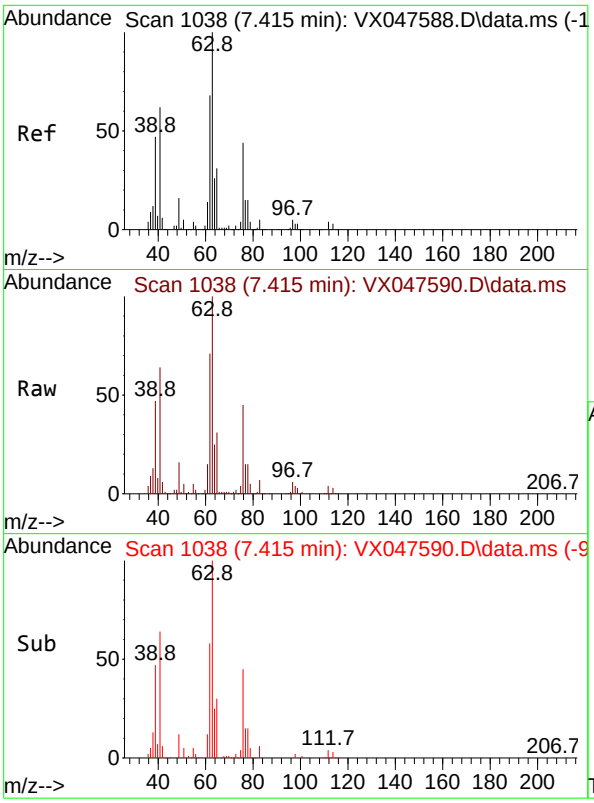


#44
Trichloroethene
Concen: 151.542 ug/l
RT: 7.111 min Scan# 988
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:130 Resp: 299673

Ion	Ratio	Lower	Upper
130	100		
95	101.1	0.0	210.8



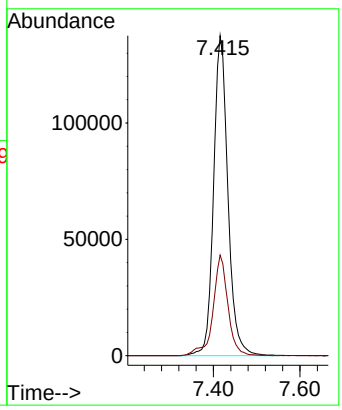


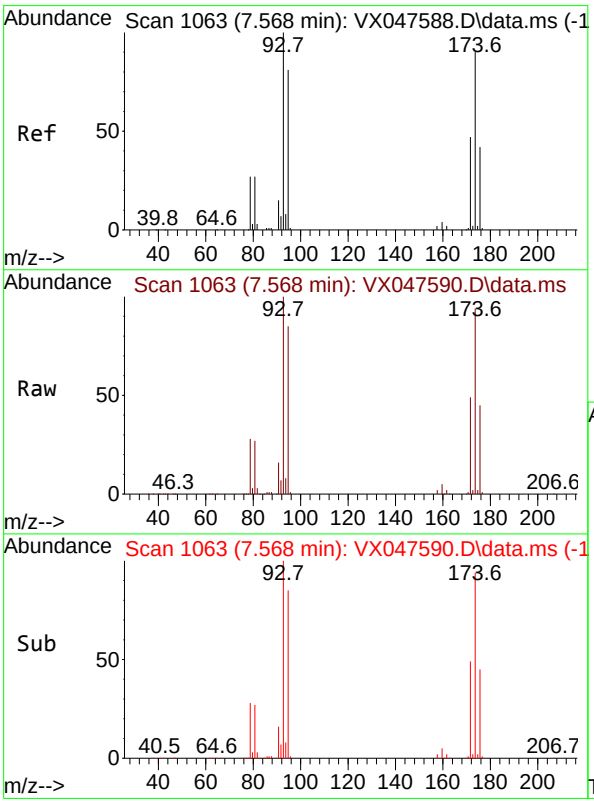
#45
1,2-Dichloropropane
Concen: 151.219 ug/l
RT: 7.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 63 Resp: 316720

Ion	Ratio	Lower	Upper
63	100		
65	31.5	24.7	37.1

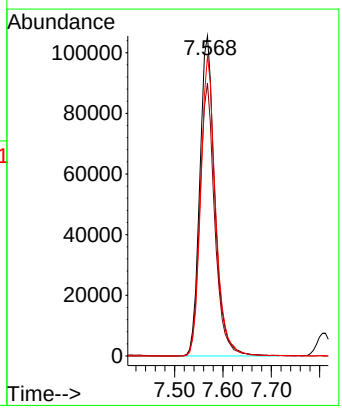


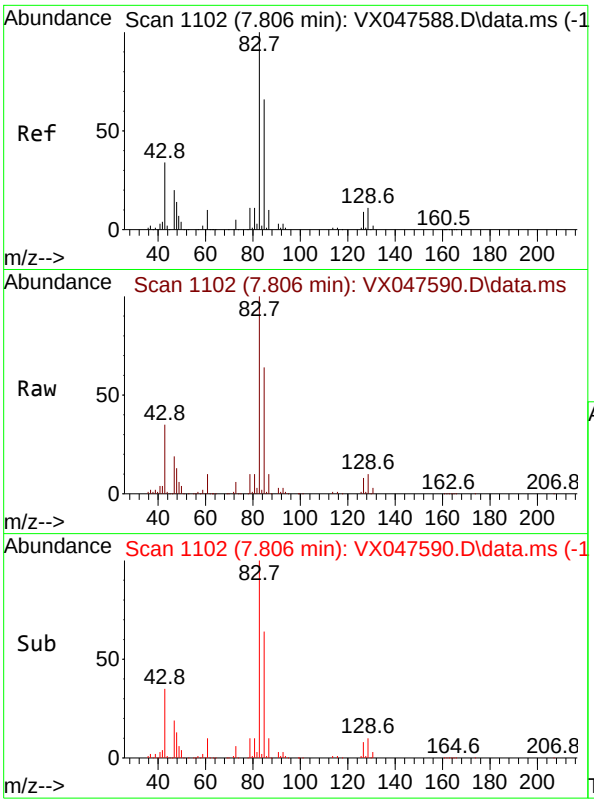


#46
Dibromomethane
Concen: 149.954 ug/l
RT: 7.568 min Scan# 1063
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 93 Resp: 228550

Ion	Ratio	Lower	Upper
93	100		
95	84.2	65.0	97.6
174	92.5	71.6	107.4



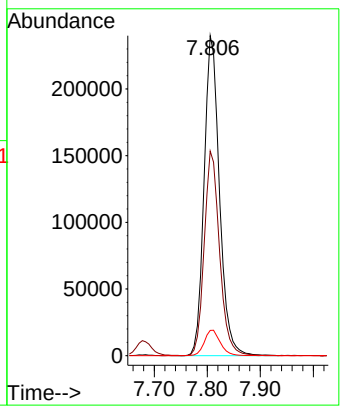


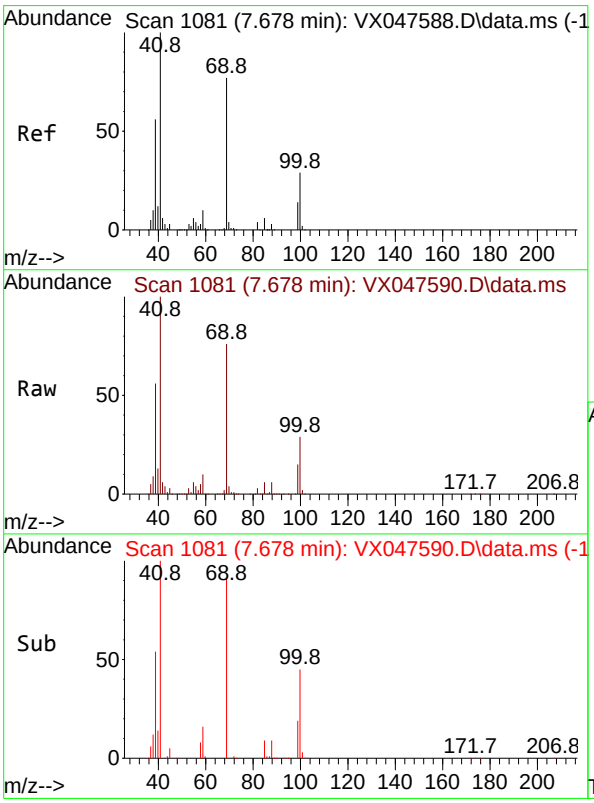
#47
Bromodichloromethane
Concen: 153.710 ug/l
RT: 7.806 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 83 Resp: 483438

Ion	Ratio	Lower	Upper
83	100		
85	63.9	52.5	78.7
127	7.9	6.9	10.3

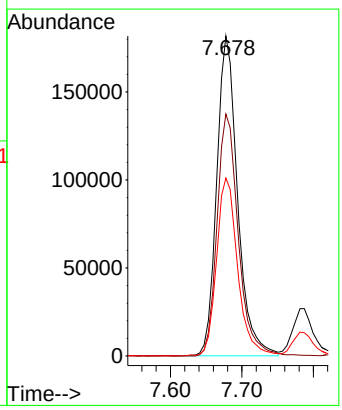


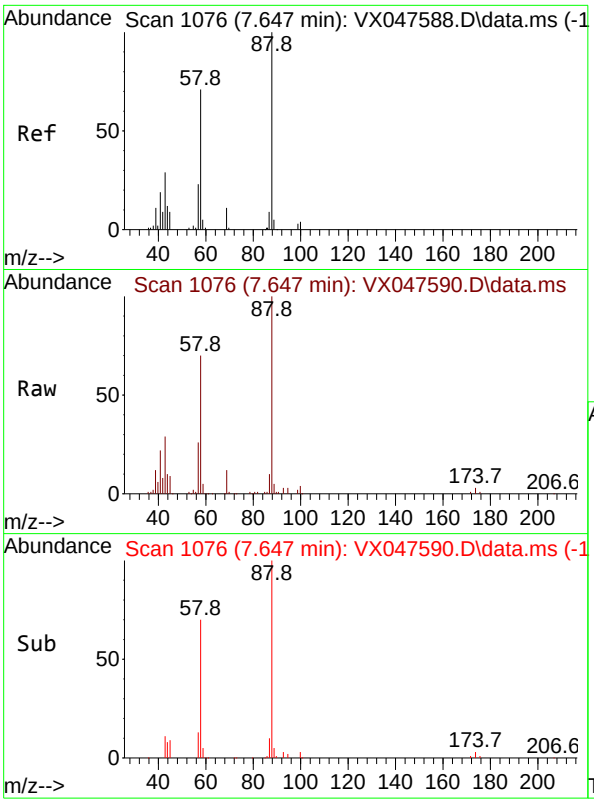


#48
Methyl methacrylate
Concen: 156.194 ug/l
RT: 7.678 min Scan# 1081
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 41 Resp: 367931

Ion	Ratio	Lower	Upper
41	100		
69	77.2	61.4	92.2
39	56.5	45.8	68.6



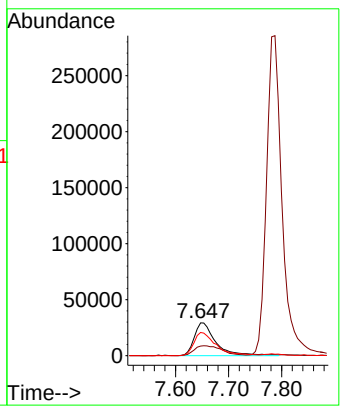


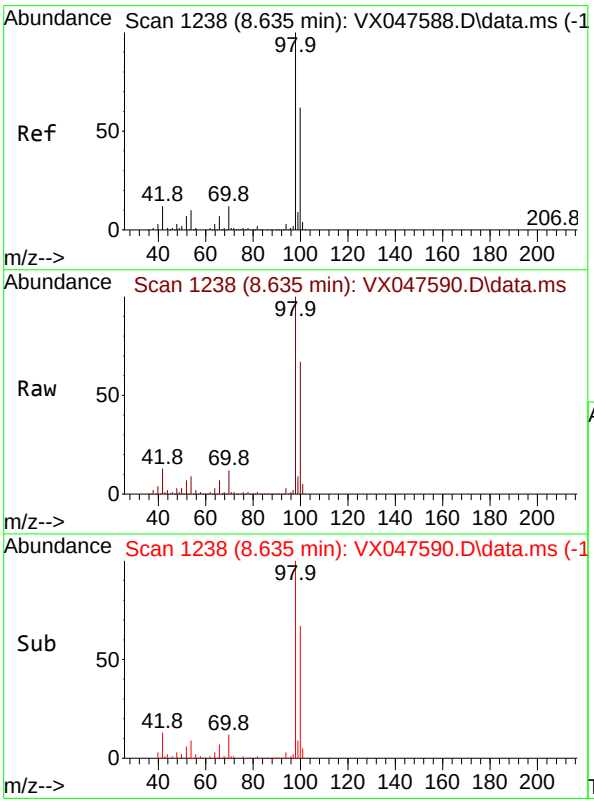
#49
1,4-Dioxane
Concen: 3475.565 ug/l
RT: 7.647 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 88 Resp: 82739

Ion	Ratio	Lower	Upper
88	100		
43	38.5	30.2	45.2
58	73.0	59.5	89.3

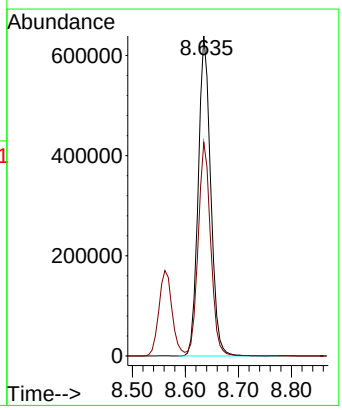


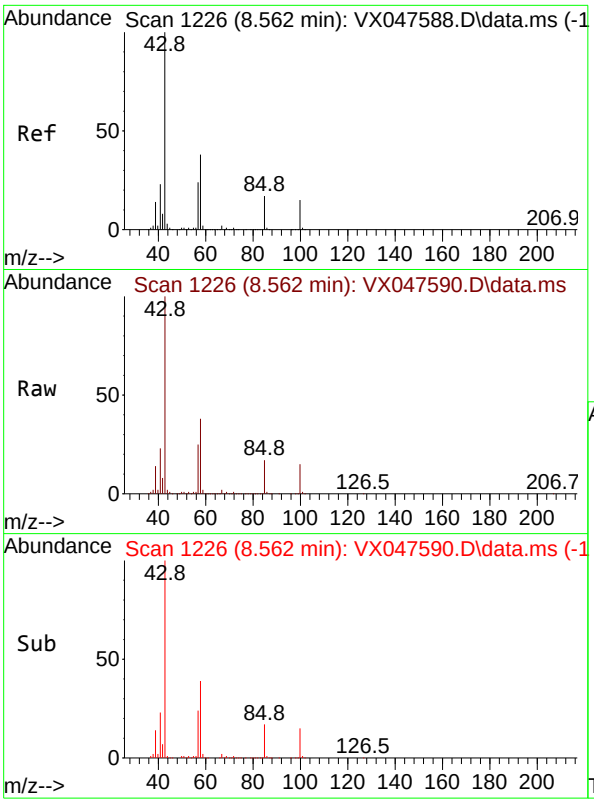


#50
Toluene-d8
Concen: 163.253 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 98 Resp: 1041079

Ion	Ratio	Lower	Upper
98	100		
100	67.3	53.0	79.4



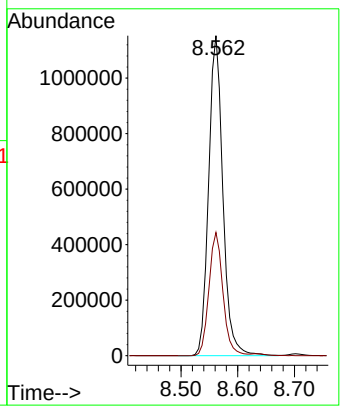


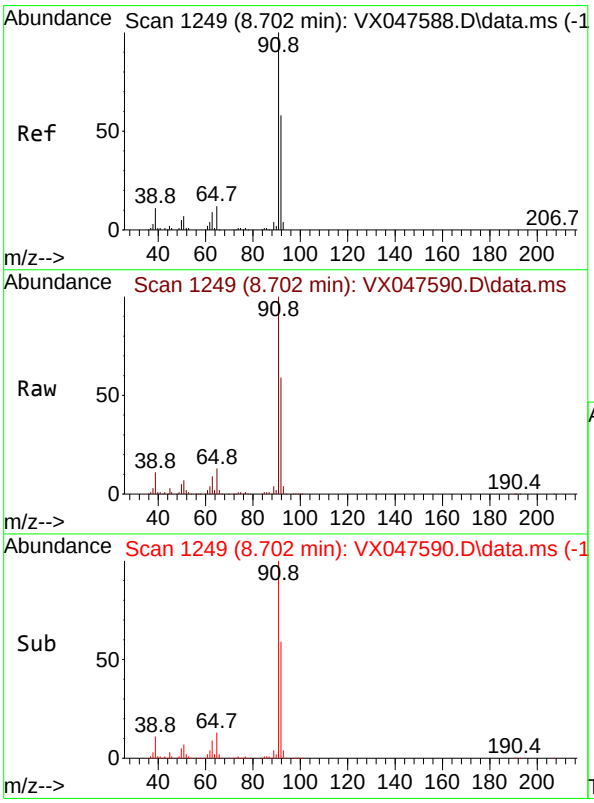
#51
4-Methyl-2-Pentanone
Concen: 765.849 ug/l
RT: 8.562 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 2008063

Ion	Ratio	Lower	Upper
43	100		
58	38.0	30.3	45.5

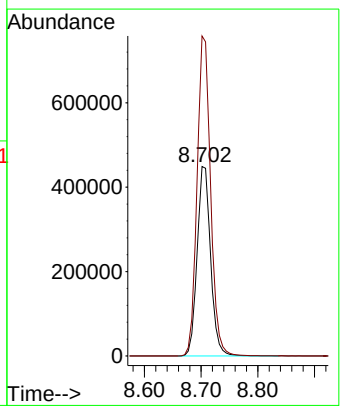


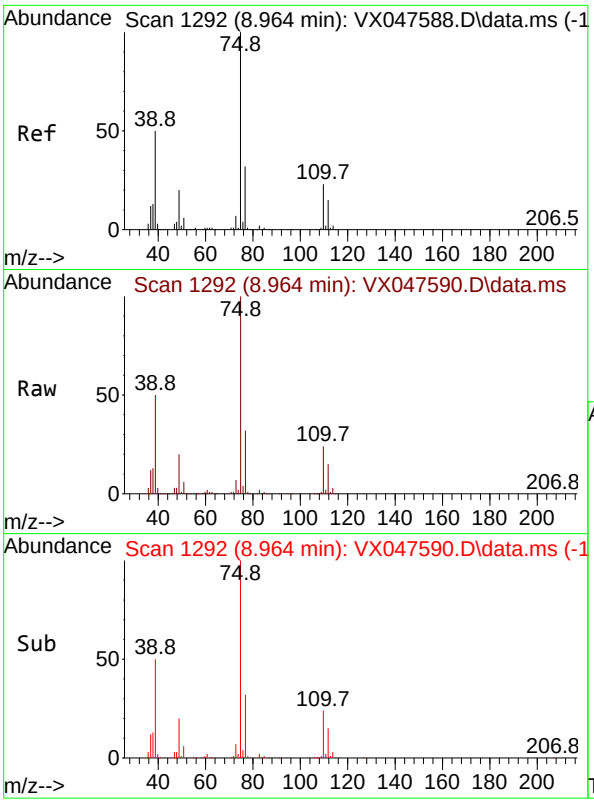


#52
Toluene
Concen: 146.712 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 92 Resp: 739332

Ion	Ratio	Lower	Upper
92	100		
91	169.5	137.1	205.7



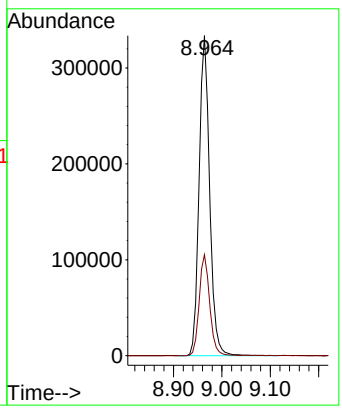


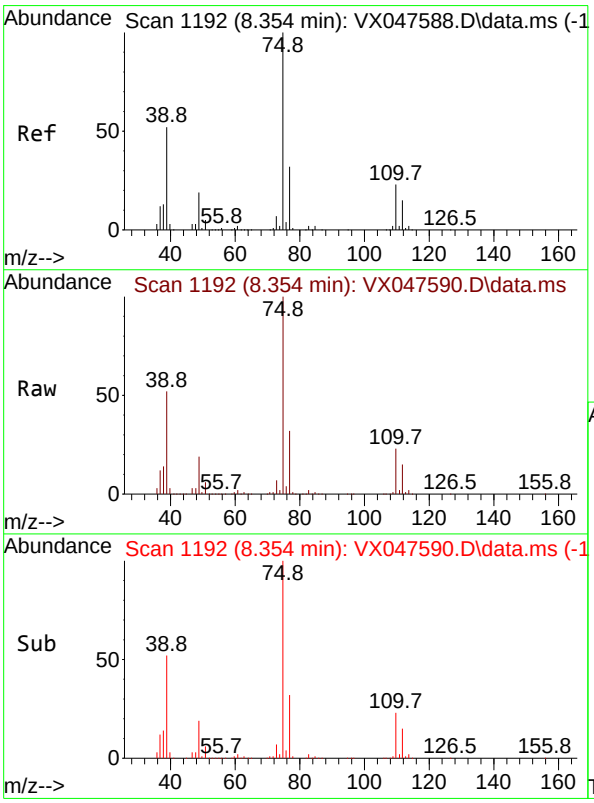
#53
t-1,3-Dichloropropene
Concen: 157.076 ug/l
RT: 8.964 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 75 Resp: 503912

Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.4	38.2

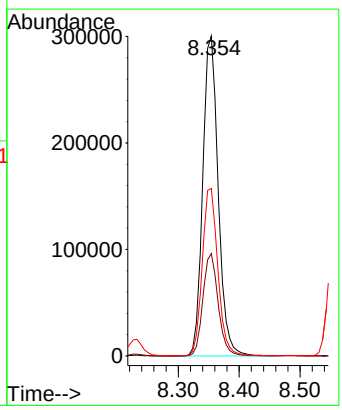


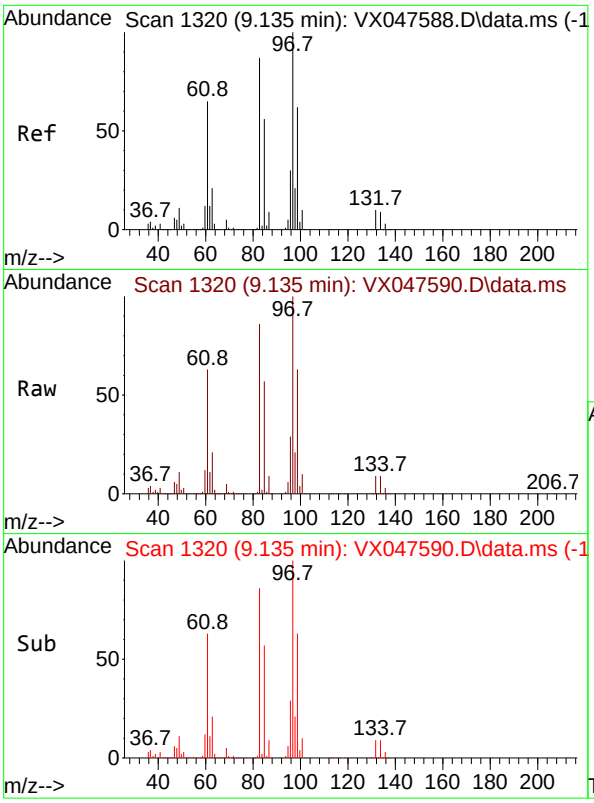


#54
cis-1,3-Dichloropropene
Concen: 154.732 ug/l
RT: 8.354 min Scan# 1192
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 75 Resp: 530566

Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.8	38.6
39	52.3	41.4	62.2



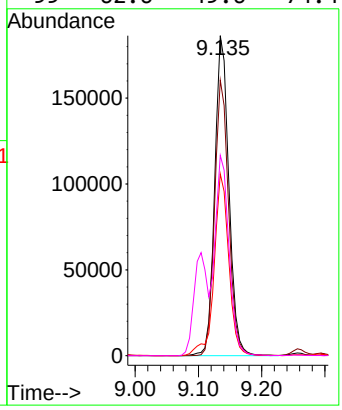


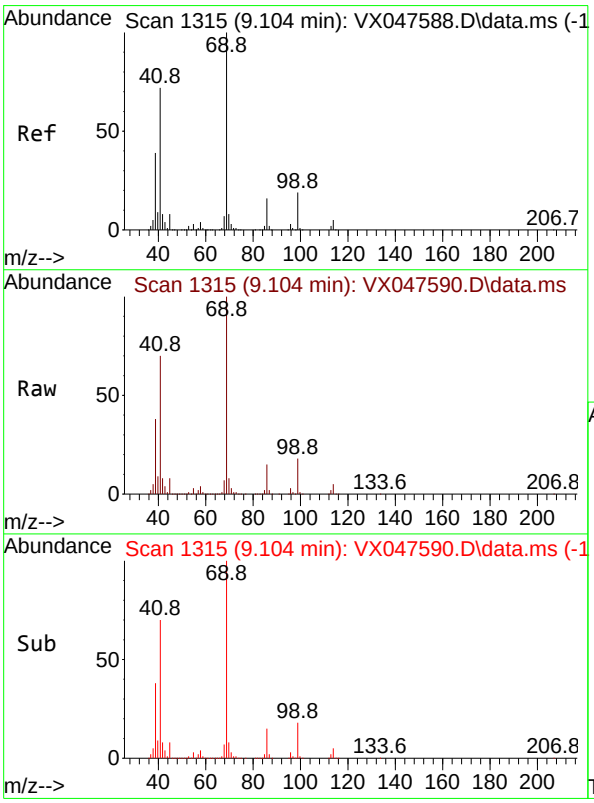
#55
1,1,2-Trichloroethane
Concen: 148.781 ug/l
RT: 9.135 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 97 Resp: 289103

Ion	Ratio	Lower	Upper
97	100		
83	86.1	69.6	104.4
85	56.8	45.0	67.6
99	62.6	49.6	74.4

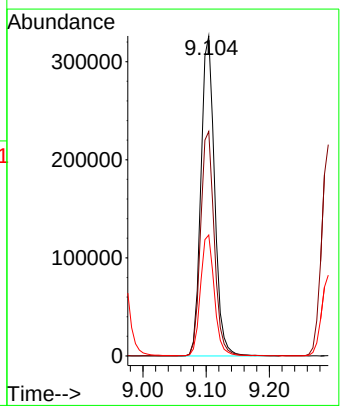


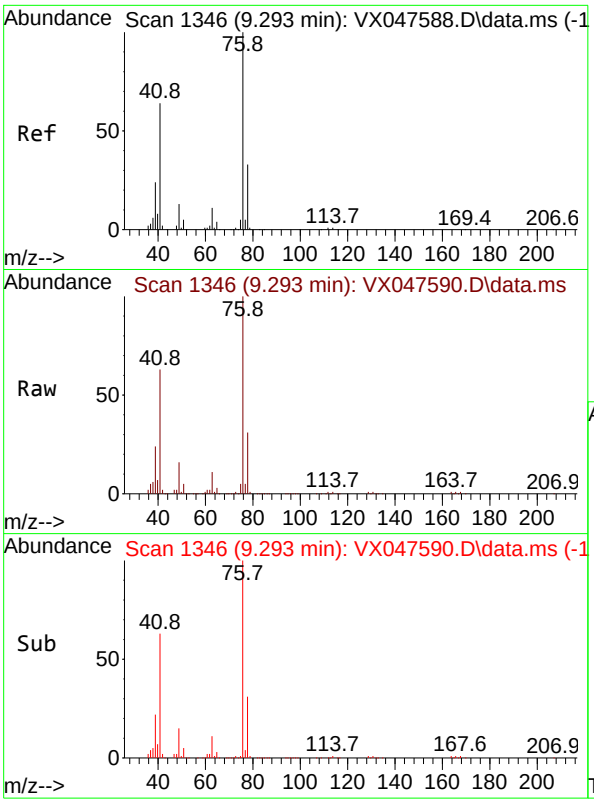


#56
Ethyl methacrylate
Concen: 160.773 ug/l
RT: 9.104 min Scan# 1315
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 69 Resp: 490623

Ion	Ratio	Lower	Upper
69	100		
41	70.5	58.6	87.8
39	38.2	31.5	47.3



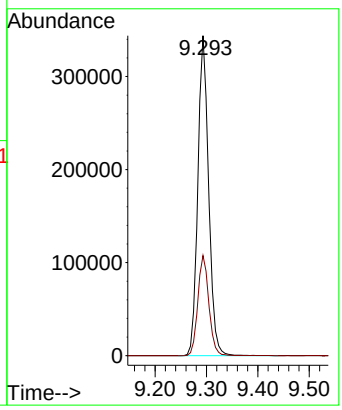


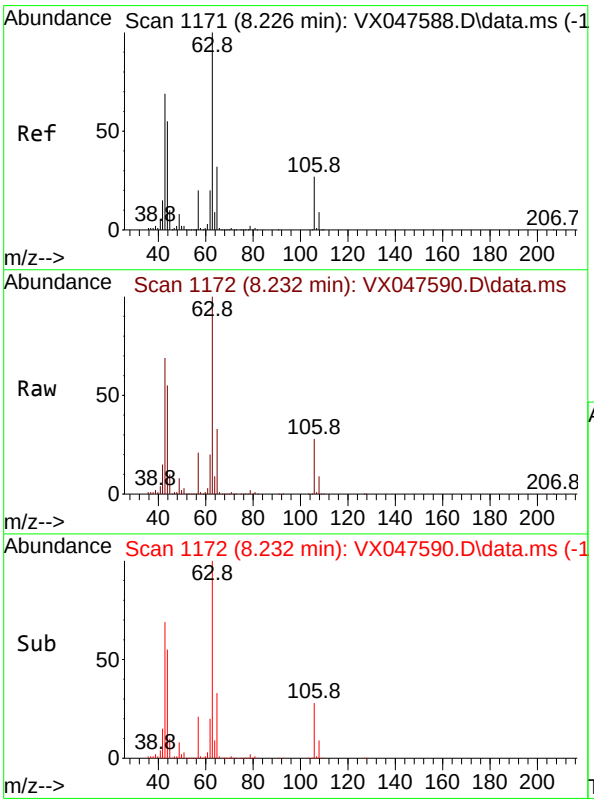
#57
1,3-Dichloropropane
Concen: 150.426 ug/l
RT: 9.293 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 76 Resp: 502121

Ion	Ratio	Lower	Upper
76	100		
78	31.9	26.2	39.4

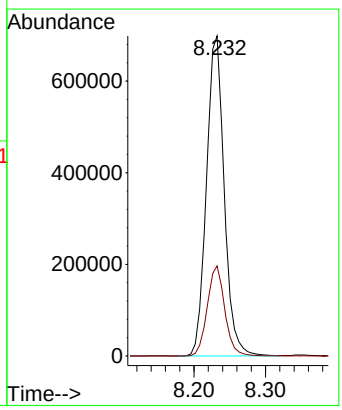


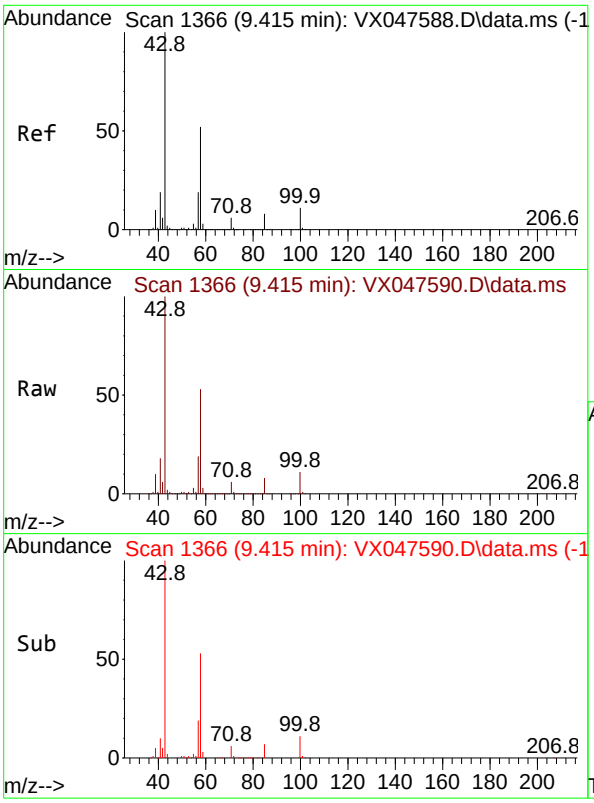


#58
2-Chloroethyl Vinyl ether
Concen: 749.661 ug/l
RT: 8.232 min Scan# 1172
Delta R.T. 0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 63 Resp: 1202206

Ion	Ratio	Lower	Upper
63	100		
106	27.7	21.9	32.9



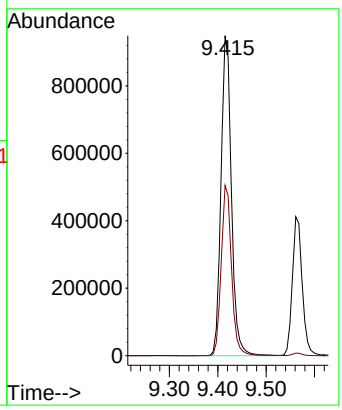


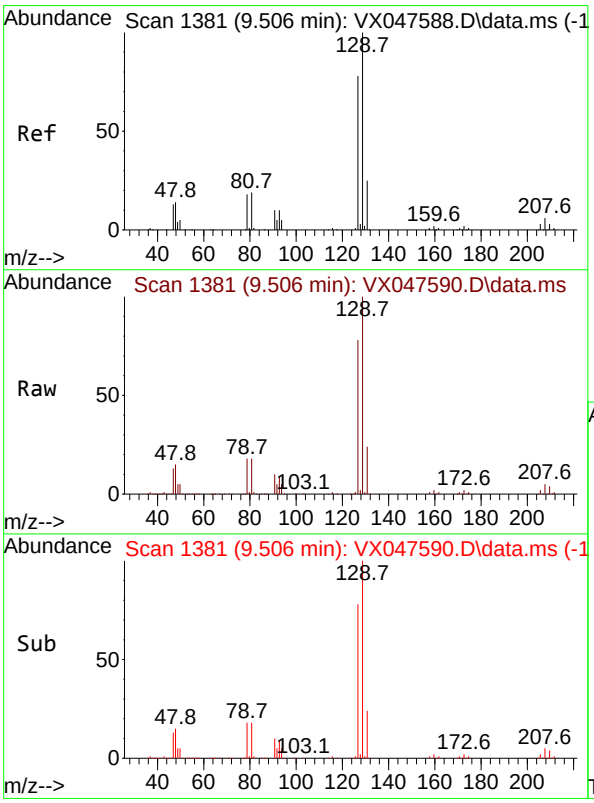
#59
2-Hexanone
Concen: 750.035 ug/l
RT: 9.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 1412417

Ion	Ratio	Lower	Upper
43	100		
58	52.9	26.1	78.2

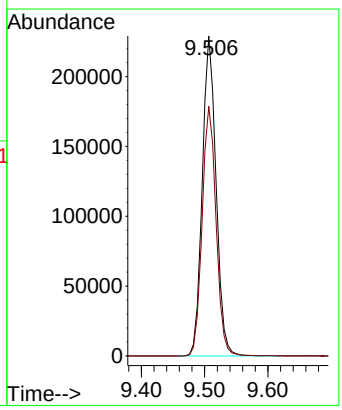


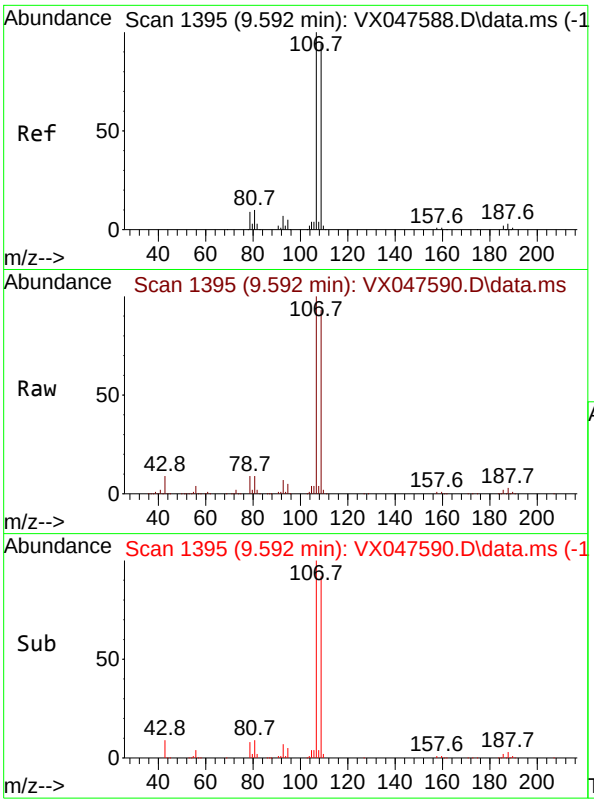


#60
Dibromochloromethane
Concen: 155.318 ug/l
RT: 9.506 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:129 Resp: 347748

Ion	Ratio	Lower	Upper
129	100		
127	78.7	38.4	115.2



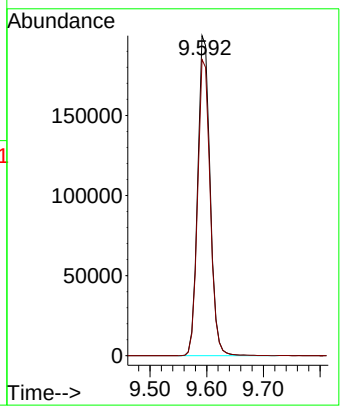


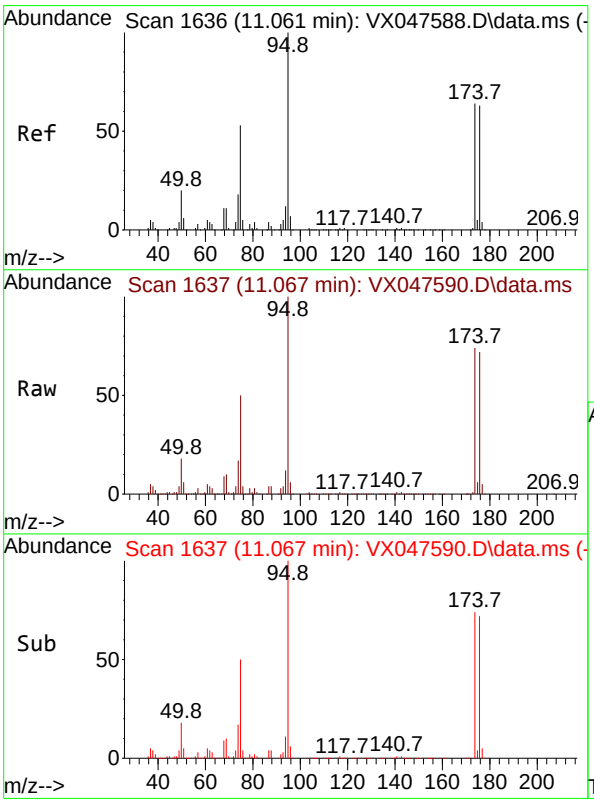
#61
1,2-Dibromoethane
Concen: 152.949 ug/l
RT: 9.592 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:107 Resp: 302715

Ion	Ratio	Lower	Upper
107	100		
109	93.5	75.3	112.9

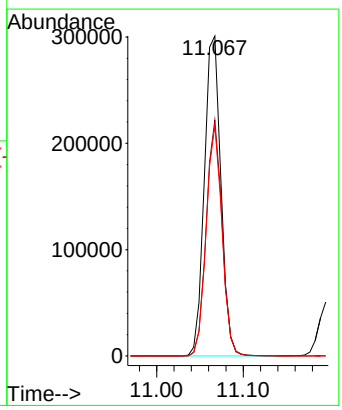


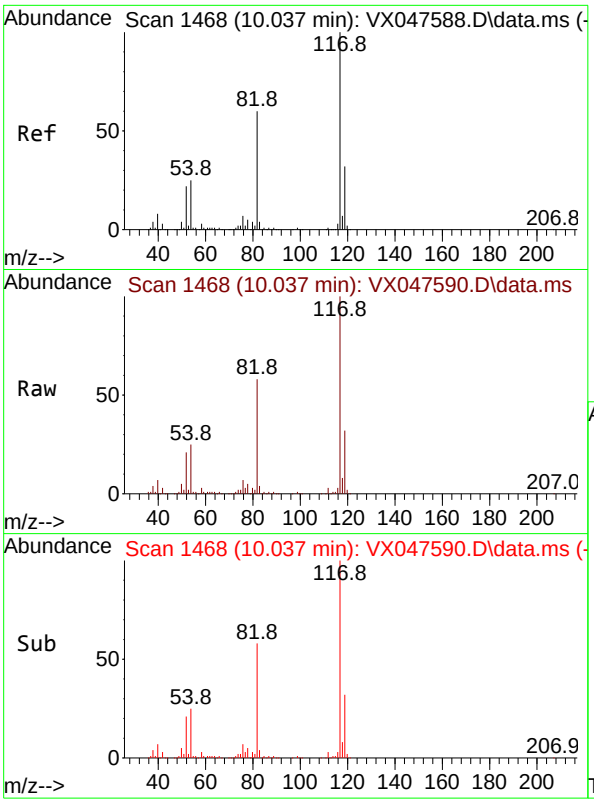


#62
4-Bromofluorobenzene
Concen: 165.020 ug/l
RT: 11.067 min Scan# 1637
Delta R.T. 0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 95 Resp: 399386

Ion	Ratio	Lower	Upper
95	100		
174	70.7	0.0	141.6
176	68.5	0.0	138.4



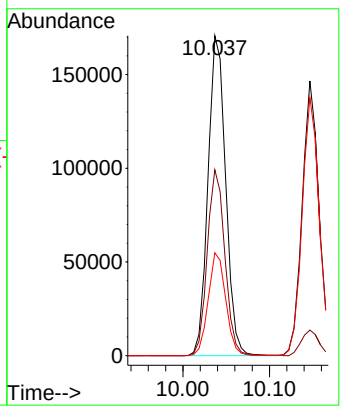


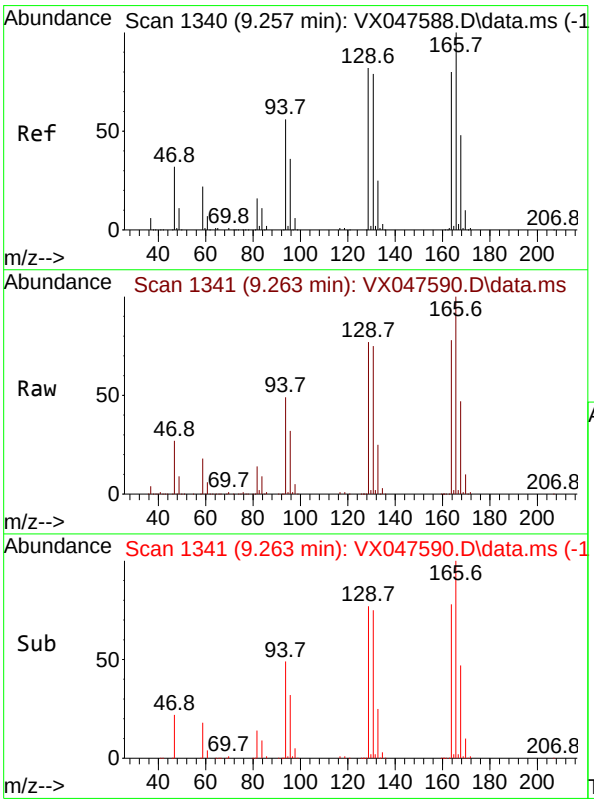
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:117 Resp: 241818

Ion	Ratio	Lower	Upper
117	100		
82	58.1	47.8	71.6
119	32.2	25.2	37.8

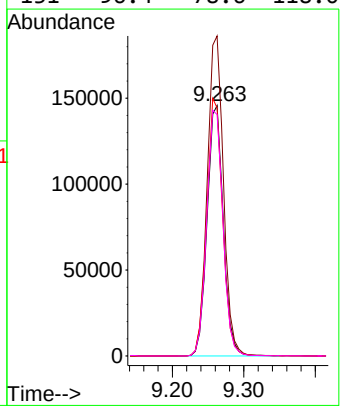


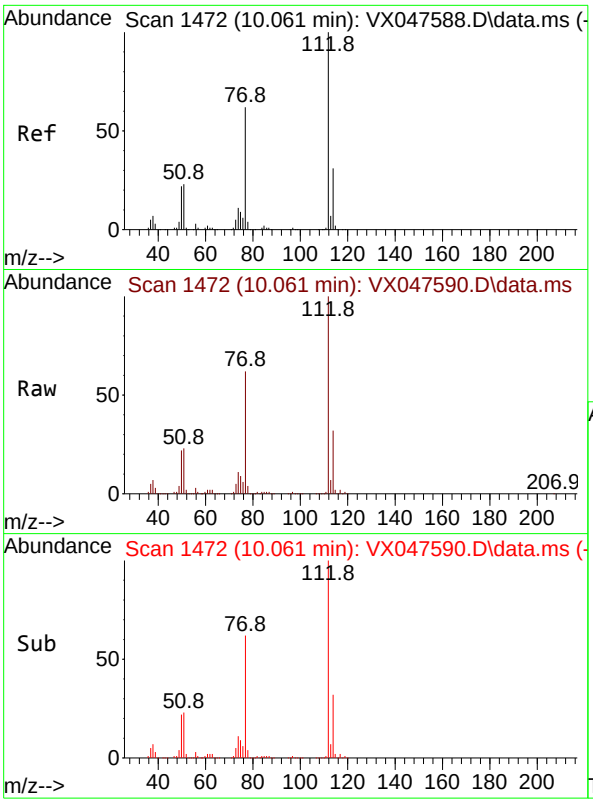


#64
Tetrachloroethene
Concen: 144.590 ug/l
RT: 9.263 min Scan# 1341
Delta R.T. 0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:164 Resp: 227931

Ion	Ratio	Lower	Upper
164	100		
166	127.8	100.2	150.2
129	99.0	81.8	122.6
131	96.4	78.6	118.0



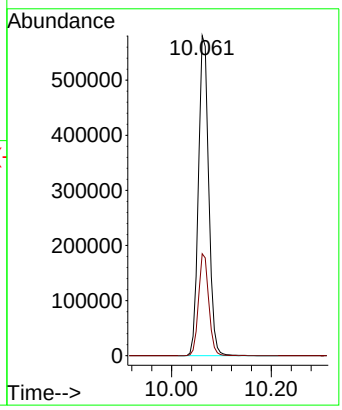


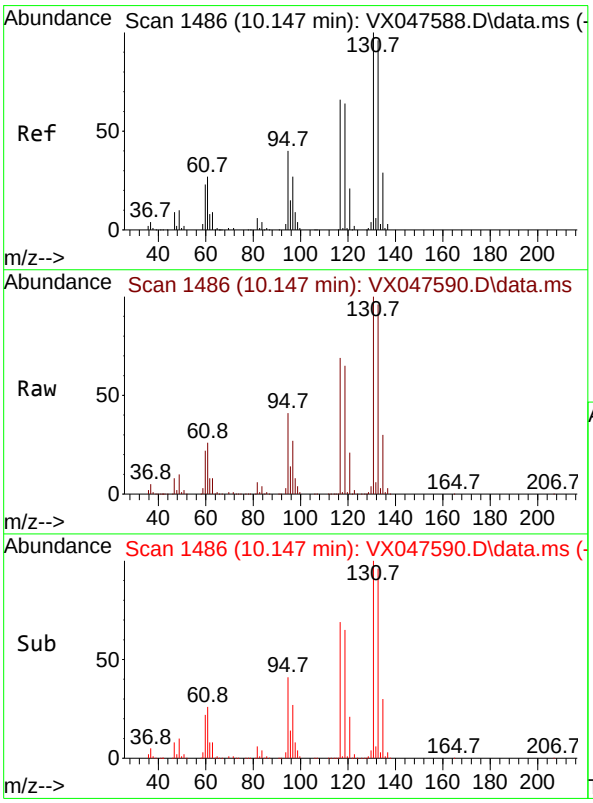
#65
Chlorobenzene
Concen: 150.763 ug/l
RT: 10.061 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:112 Resp: 828239

Ion	Ratio	Lower	Upper
112	100		
114	31.8	25.1	37.7

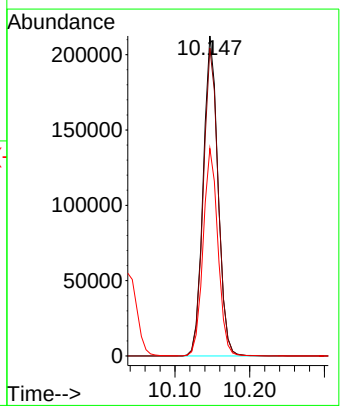


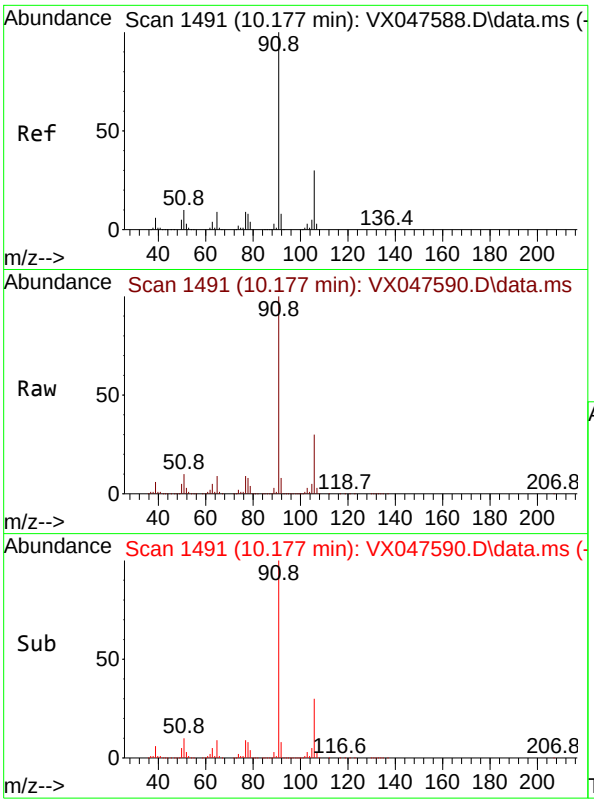


#66
1,1,1,2-Tetrachloroethane
Concen: 153.733 ug/l
RT: 10.147 min Scan# 1486
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:131 Resp: 291433

Ion	Ratio	Lower	Upper
131	100		
133	96.7	47.3	142.0
119	64.8	32.0	96.0



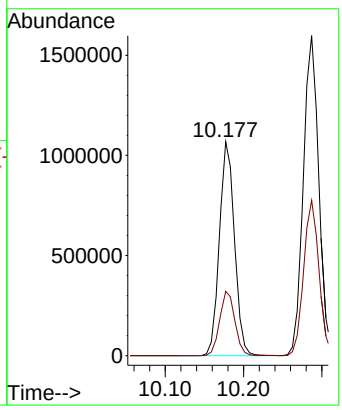


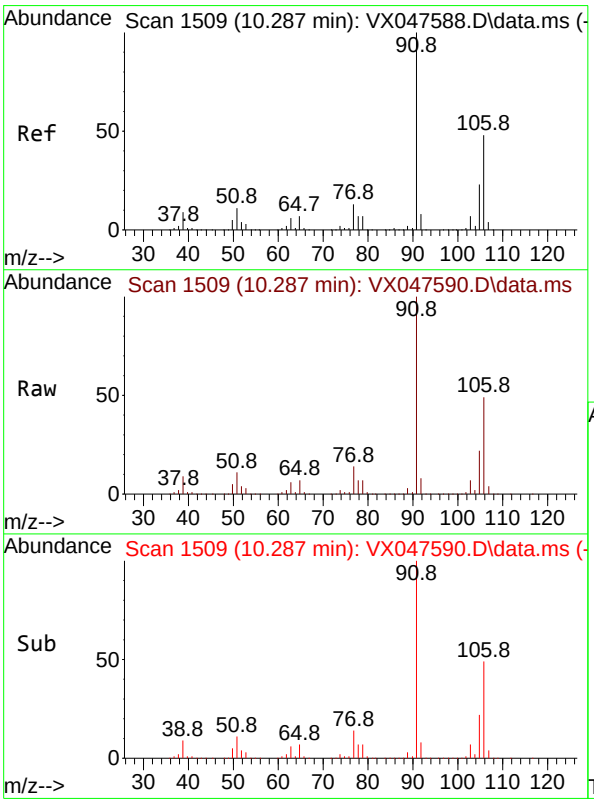
#67
Ethyl Benzene
Concen: 151.026 ug/l
RT: 10.177 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 91 Resp: 1431554

Ion	Ratio	Lower	Upper
91	100		
106	30.0	24.3	36.5

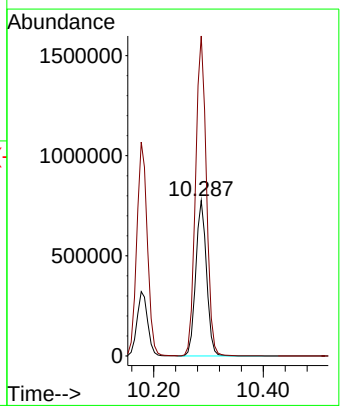


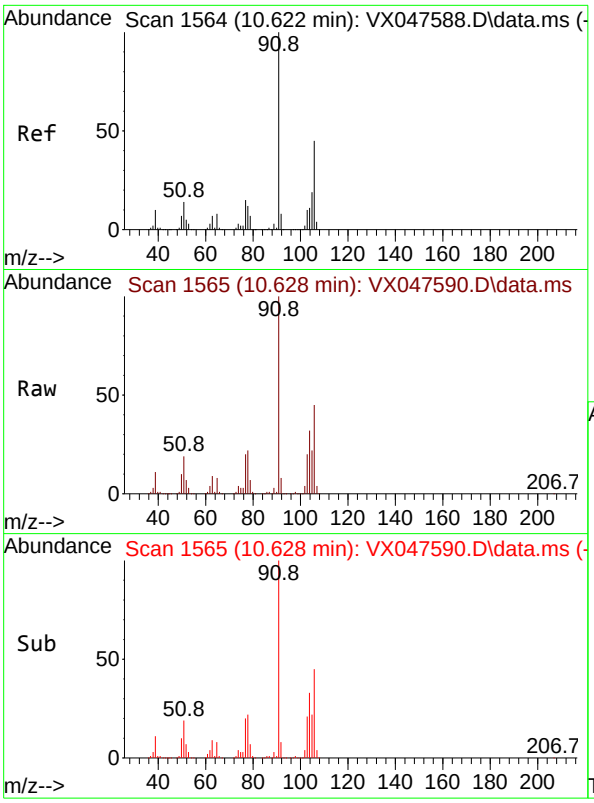


#68
m/p-Xylenes
Concen: 300.381 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:106 Resp: 1059776

Ion	Ratio	Lower	Upper
106	100		
91	208.0	167.8	251.8



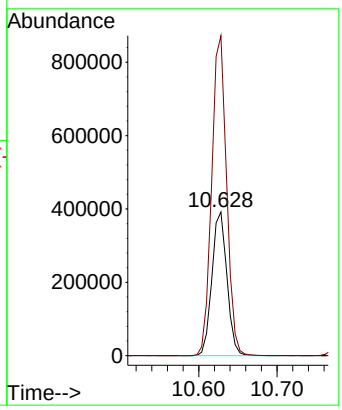


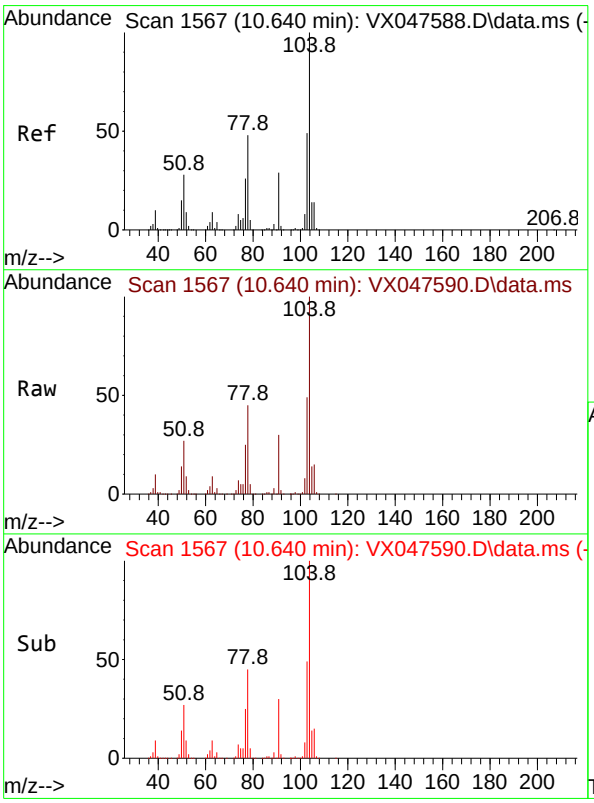
#69
o-Xylene
Concen: 152.920 ug/l
RT: 10.628 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:106 Resp: 521840

Ion	Ratio	Lower	Upper
106	100		
91	220.7	111.1	333.4

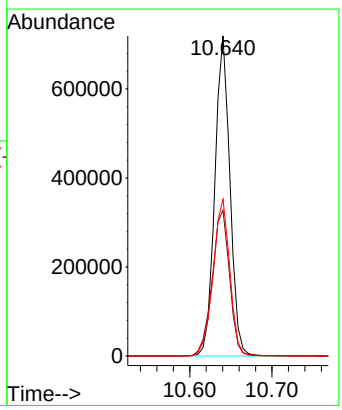


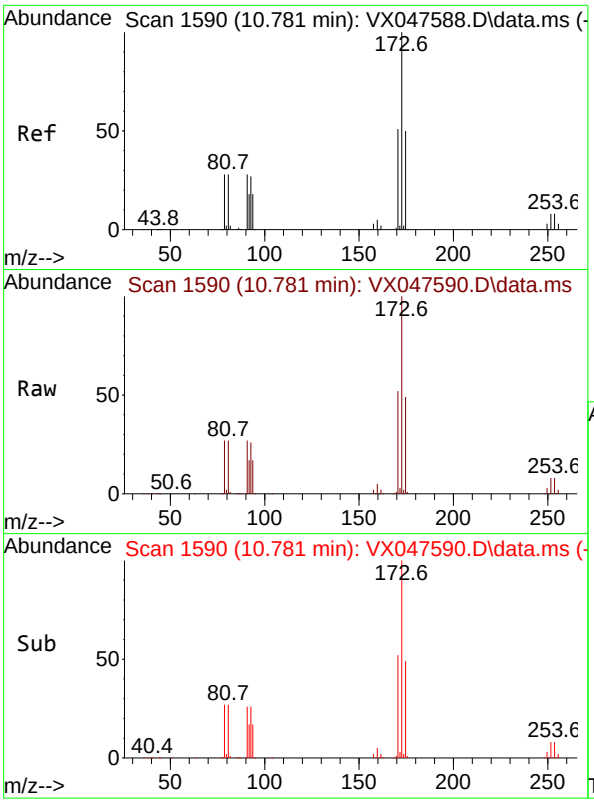


#70
Styrene
Concen: 153.449 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:104 Resp: 917532

Ion	Ratio	Lower	Upper
104	100		
78	52.4	43.1	64.7
103	54.0	43.1	64.7



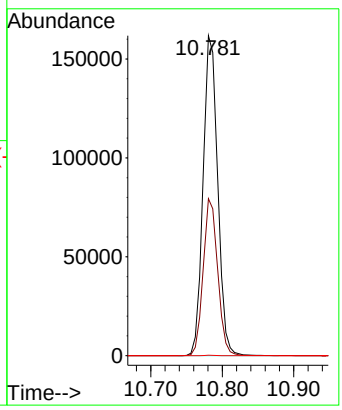


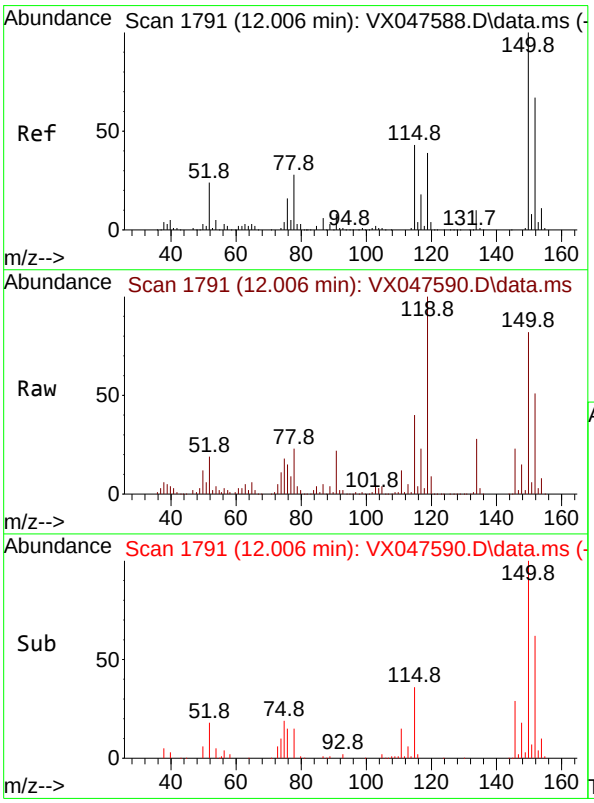
#71
Bromoform
Concen: 162.262 ug/l
RT: 10.781 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:173 Resp: 229683

Ion	Ratio	Lower	Upper
173	100		
175	48.7	24.9	74.6
254	0.1	0.1	0.1

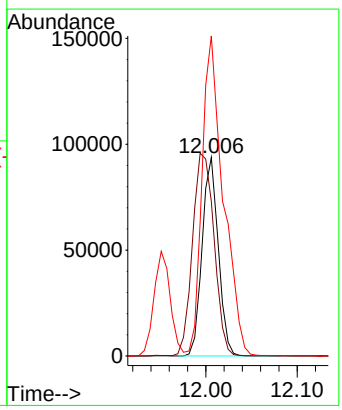


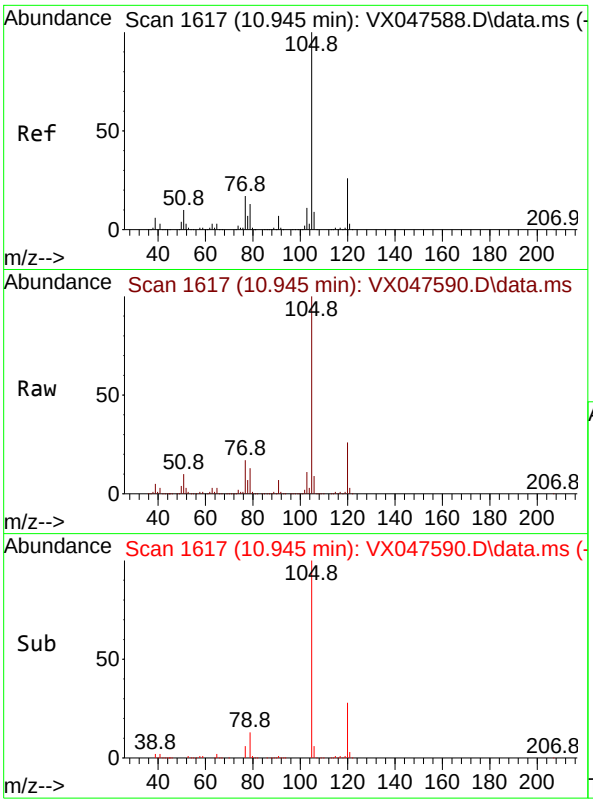


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:152 Resp: 114743

Ion	Ratio	Lower	Upper
152	100		
115	136.9	44.9	134.5#
150	212.9	0.0	352.0



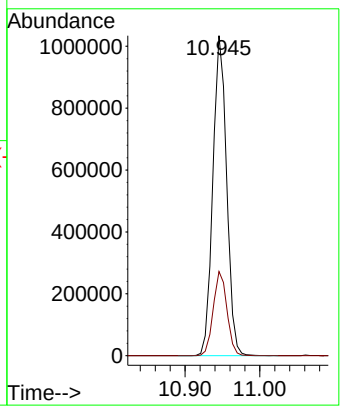


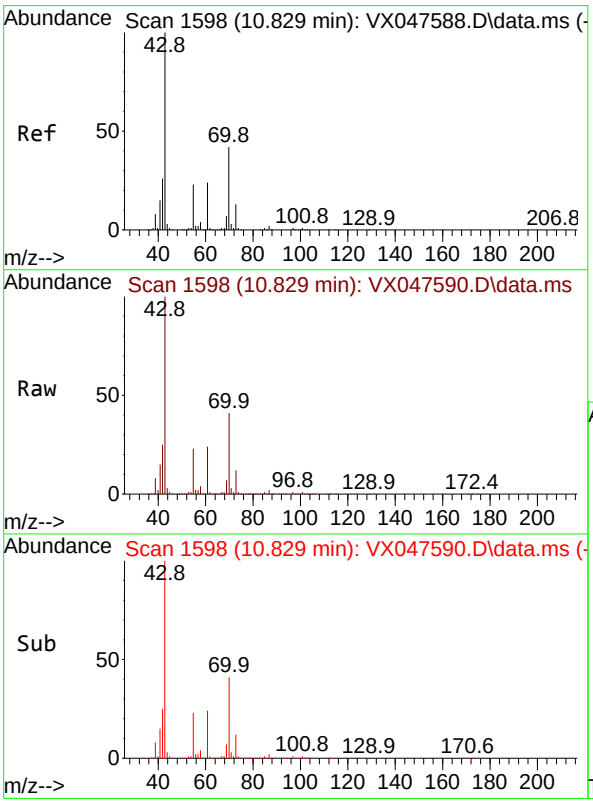
#73
Isopropylbenzene
Concen: 151.477 ug/l
RT: 10.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:105 Resp: 1321409

Ion	Ratio	Lower	Upper
105	100		
120	26.2	12.8	38.4

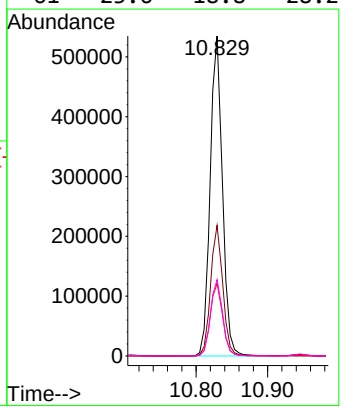


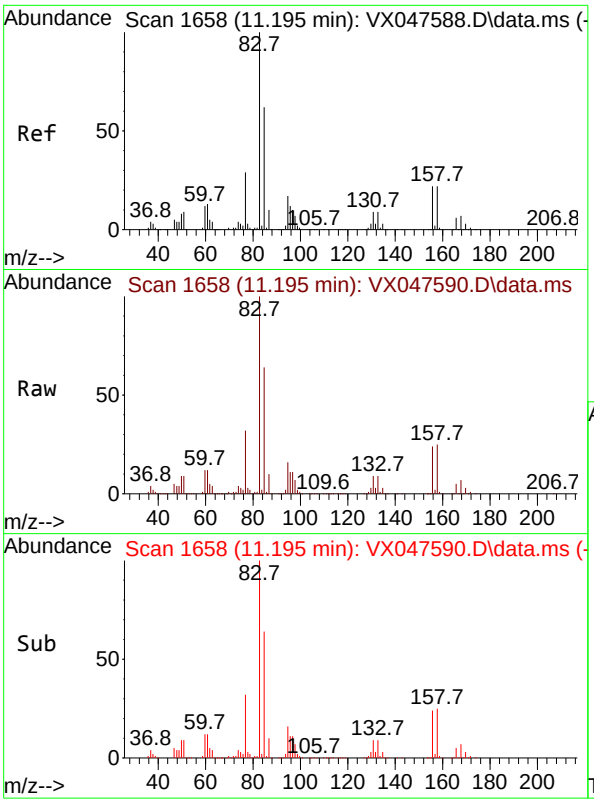


#74
N-amyl acetate
Concen: 160.099 ug/l
RT: 10.829 min Scan# 1598
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 43 Resp: 636879

Ion	Ratio	Lower	Upper
43	100		
70	40.4	32.0	48.0
55	22.9	18.9	28.3
61	23.6	18.8	28.2



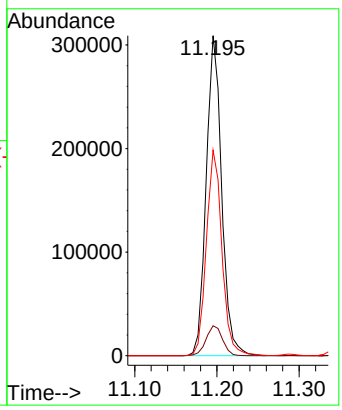


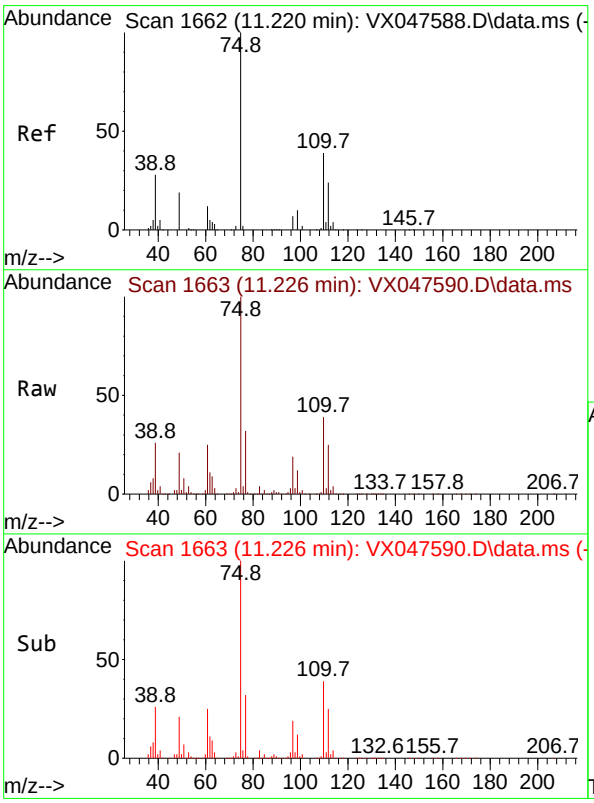
#75
1,1,2,2-Tetrachloroethane
Concen: 153.035 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 83 Resp: 403906

Ion	Ratio	Lower	Upper
83	100		
131	10.0	5.0	14.9
85	64.6	31.6	95.0

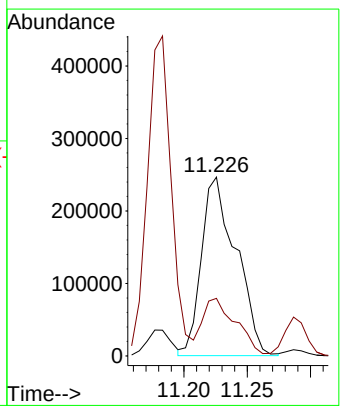


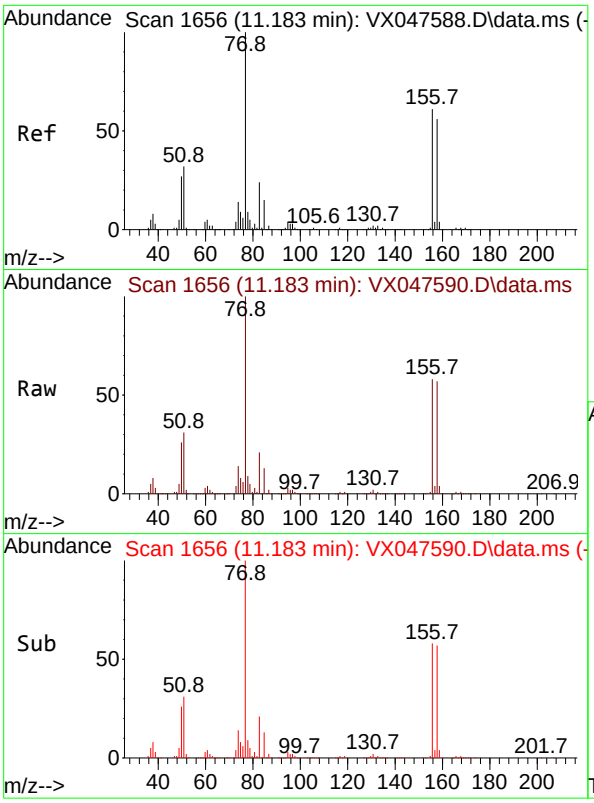


#76
1,2,3-Trichloropropane
Concen: 202.576 ug/l
RT: 11.226 min Scan# 1663
Delta R.T. 0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 75 Resp: 470623

Ion	Ratio	Lower	Upper
75	100		
77	30.8	18.8	56.4



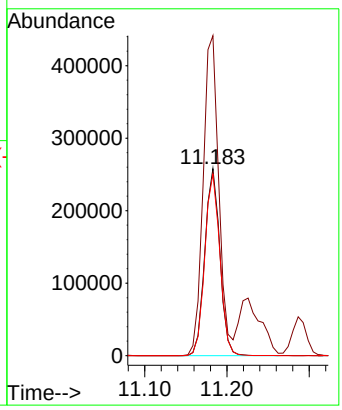


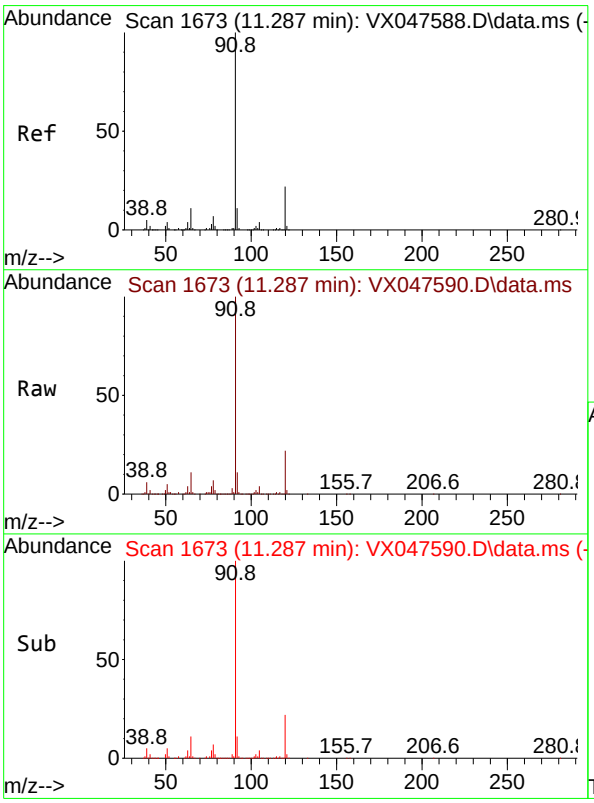
#77
Bromobenzene
Concen: 152.818 ug/l
RT: 11.183 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:156 Resp: 328336

Ion	Ratio	Lower	Upper
156	100		
77	178.2	89.7	269.1
158	97.5	47.9	143.6

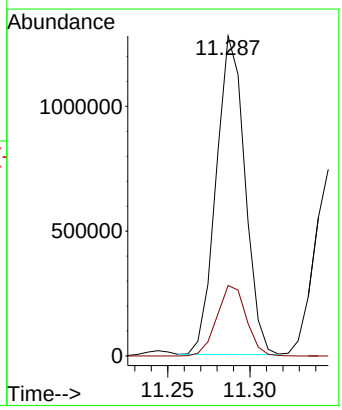


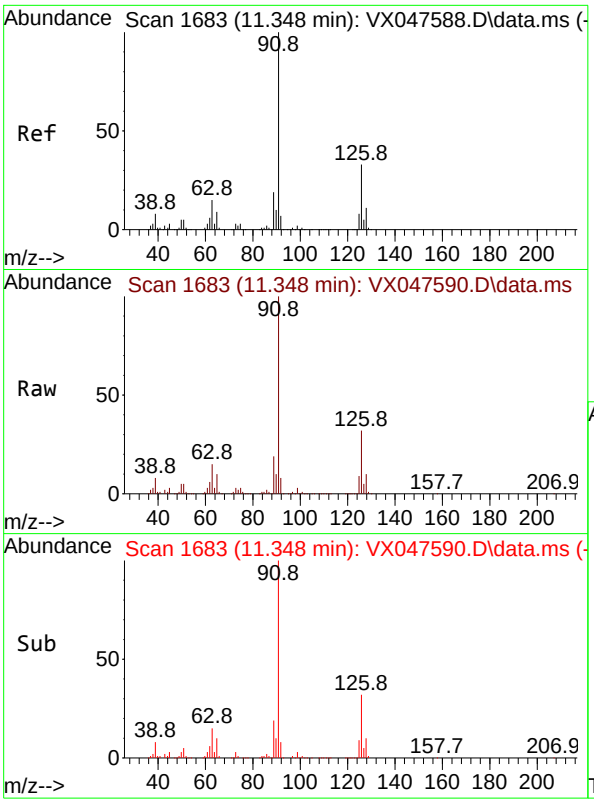


#78
n-propylbenzene
Concen: 150.337 ug/l
RT: 11.287 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 91 Resp: 1550316

Ion	Ratio	Lower	Upper
91	100		
120	22.7	11.1	33.1



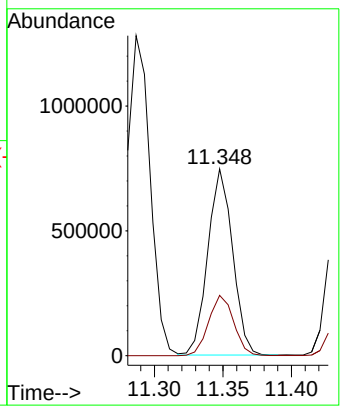


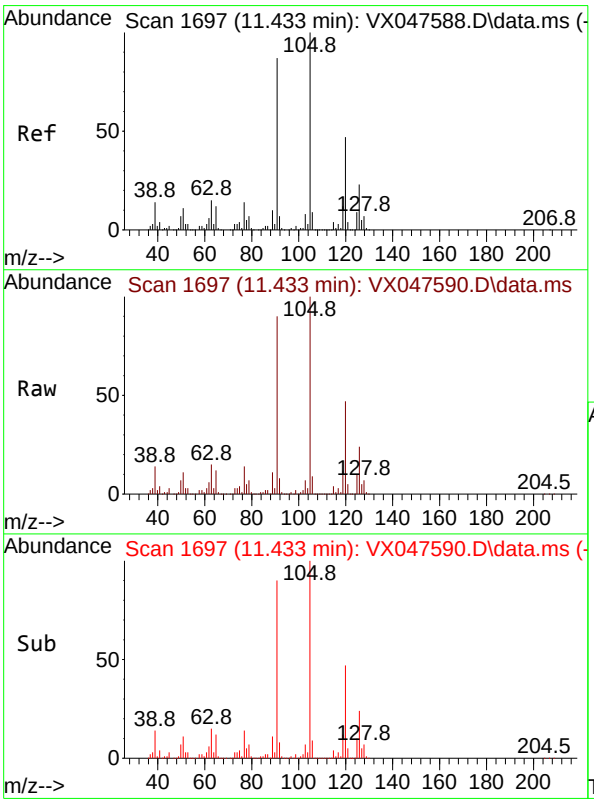
#79
2-Chlorotoluene
Concen: 148.781 ug/l
RT: 11.348 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 91 Resp: 939707

Ion	Ratio	Lower	Upper
91	100		
126	32.7	16.1	48.3

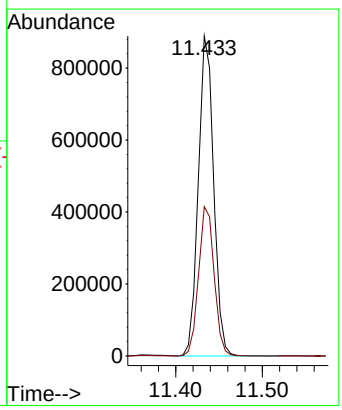


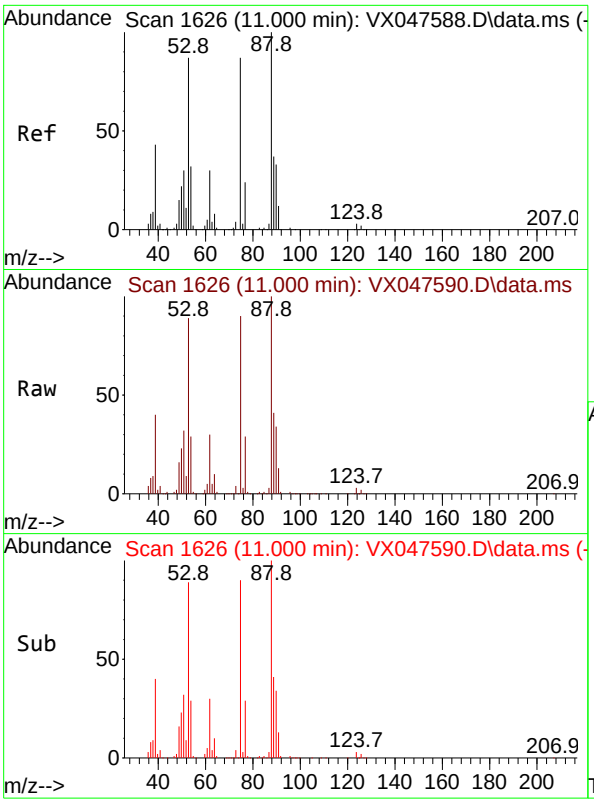


#80
1,3,5-Trimethylbenzene
Concen: 152.306 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:105 Resp: 1091593

Ion	Ratio	Lower	Upper
105	100		
120	47.4	23.6	70.8



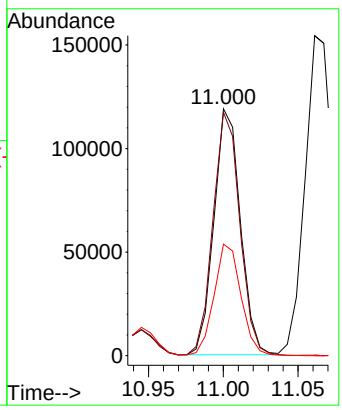


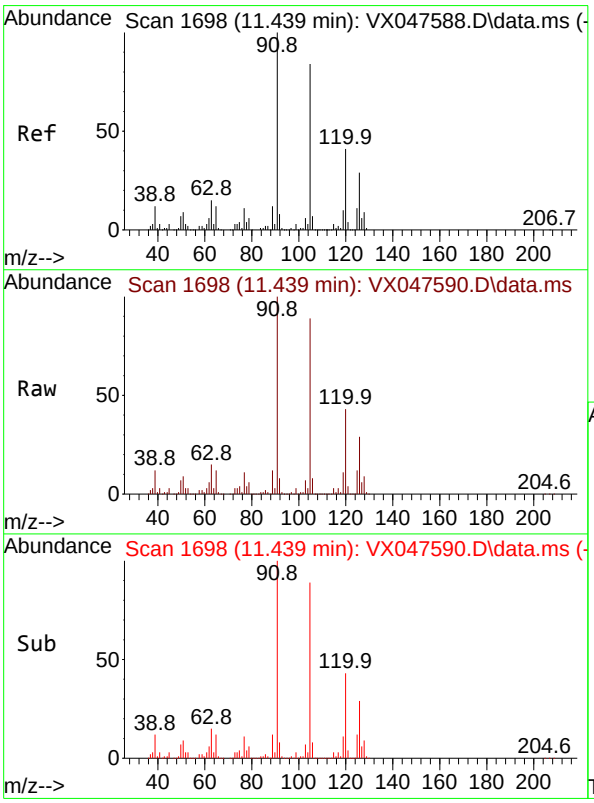
#81
trans-1,4-Dichloro-2-butene
Concen: 160.176 ug/l
RT: 11.000 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 75 Resp: 145921

Ion	Ratio	Lower	Upper
75	100		
53	100.8	83.4	125.2
89	46.3	36.3	54.5

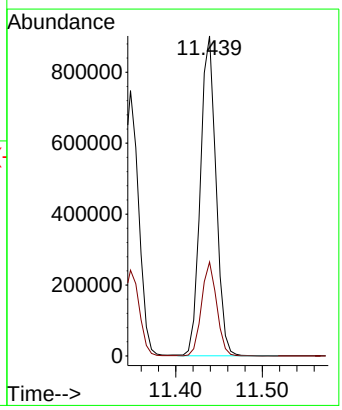


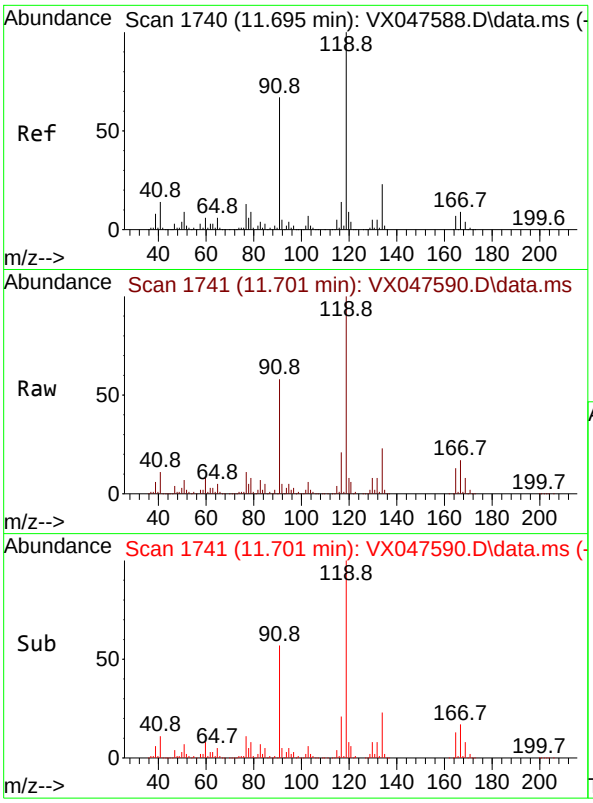


#82
4-Chlorotoluene
Concen: 151.112 ug/l
RT: 11.439 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 91 Resp: 1127233

Ion	Ratio	Lower	Upper
91	100		
126	28.5	14.2	42.6



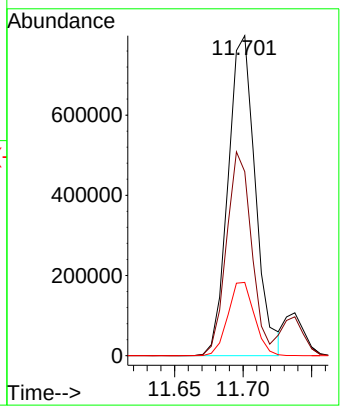


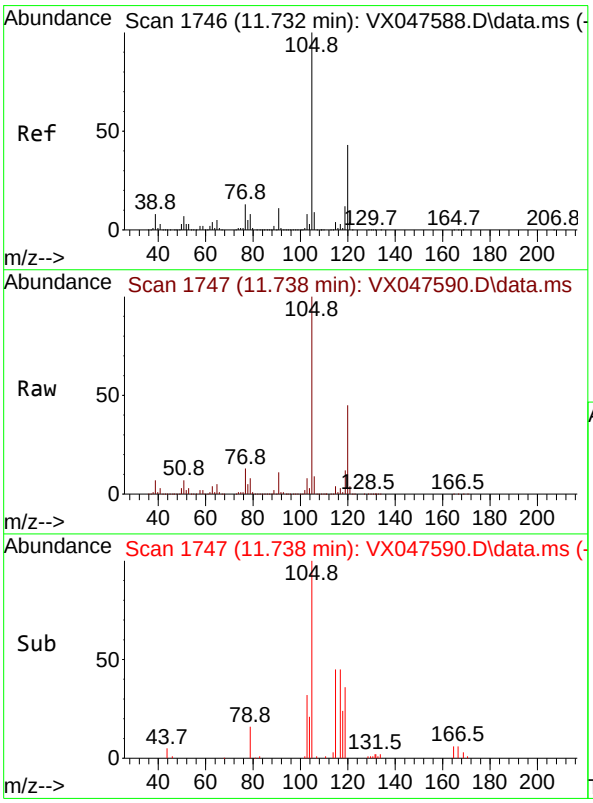
#83
tert-Butylbenzene
Concen: 150.819 ug/l
RT: 11.701 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:119 Resp: 1106532

Ion	Ratio	Lower	Upper
119	100		
91	58.7	29.6	88.8
134	22.3	11.0	33.0

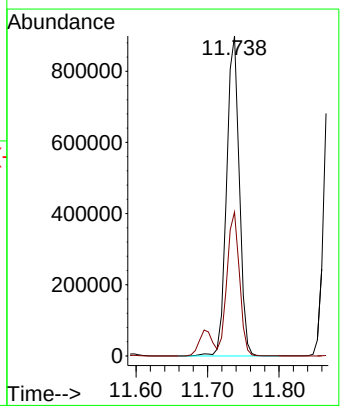


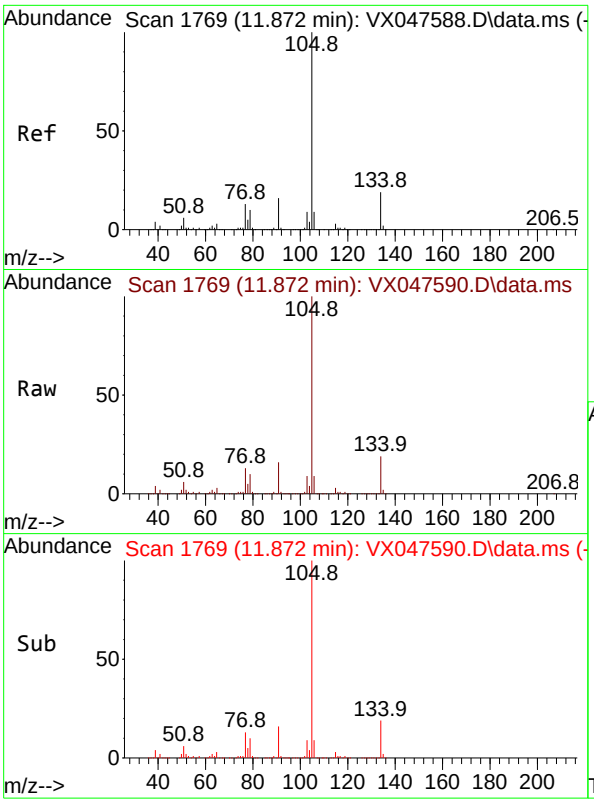


#84
1,2,4-Trimethylbenzene
Concen: 152.336 ug/l
RT: 11.738 min Scan# 1747
Delta R.T. 0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:105 Resp: 1106914

Ion	Ratio	Lower	Upper
105	100		
120	44.4	22.1	66.1



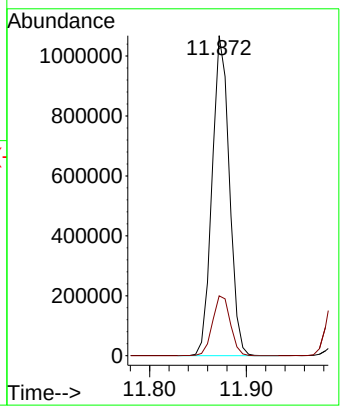


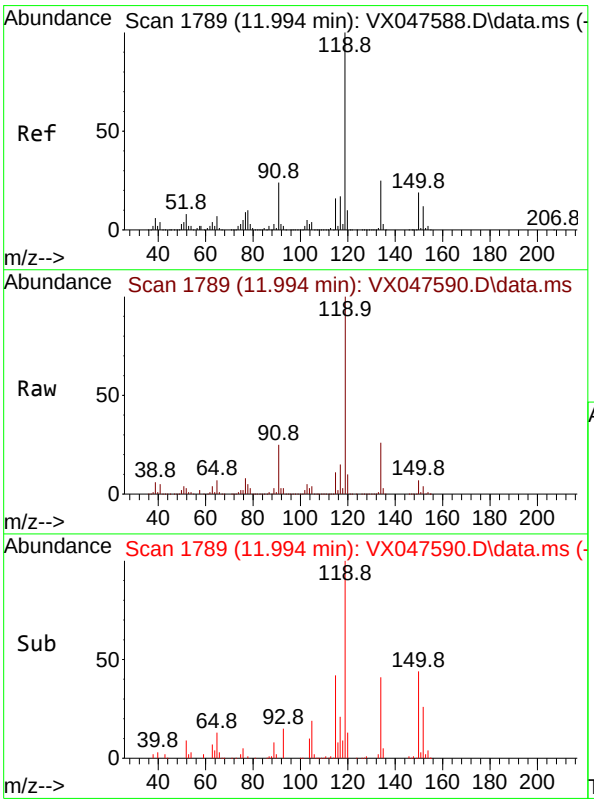
#85
sec-Butylbenzene
Concen: 151.448 ug/l
RT: 11.872 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:105 Resp: 1319819

Ion	Ratio	Lower	Upper
105	100		
134	19.4	9.8	29.5

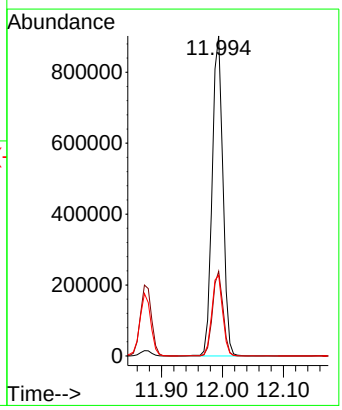


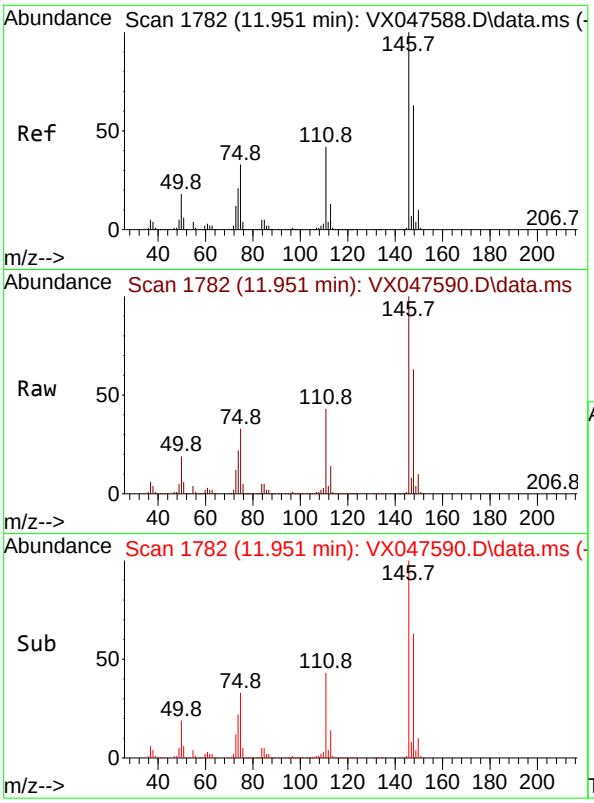


#86
p-Isopropyltoluene
Concen: 149.530 ug/l
RT: 11.994 min Scan# 1789
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:119 Resp: 1103210

Ion	Ratio	Lower	Upper
119	100		
134	25.9	12.6	37.8
91	25.3	12.6	37.6



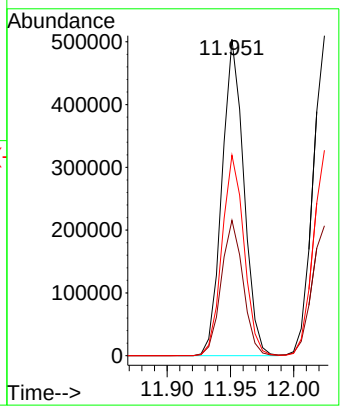


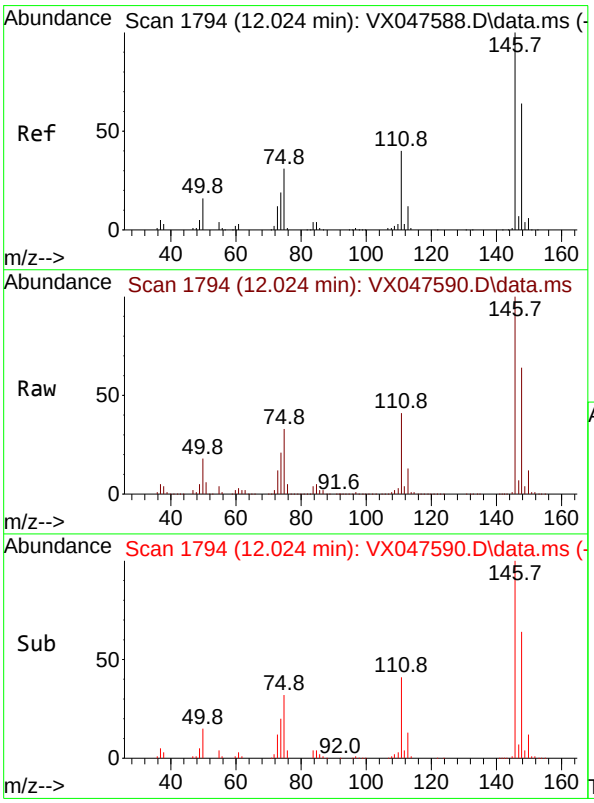
#87
1,3-Dichlorobenzene
Concen: 151.633 ug/l
RT: 11.951 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:146 Resp: 605123

Ion	Ratio	Lower	Upper
146	100		
111	42.8	21.5	64.5
148	63.8	32.0	96.0

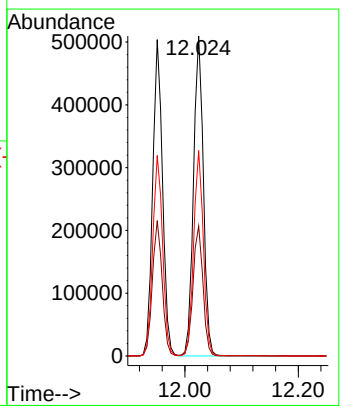


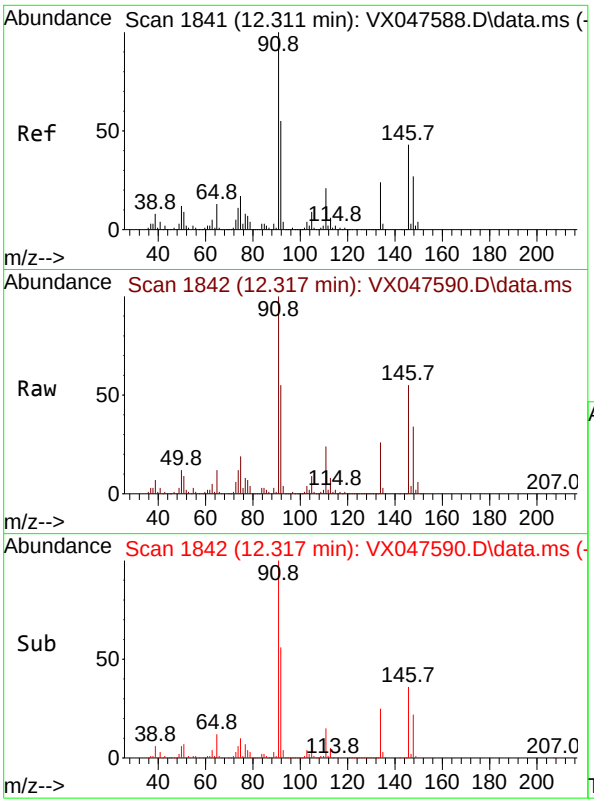


#88
1,4-Dichlorobenzene
Concen: 149.814 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:146 Resp: 613617

Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.8	62.4
148	63.2	31.7	95.1



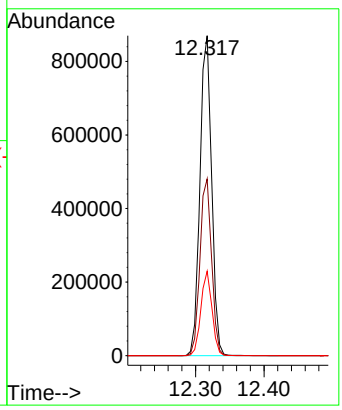


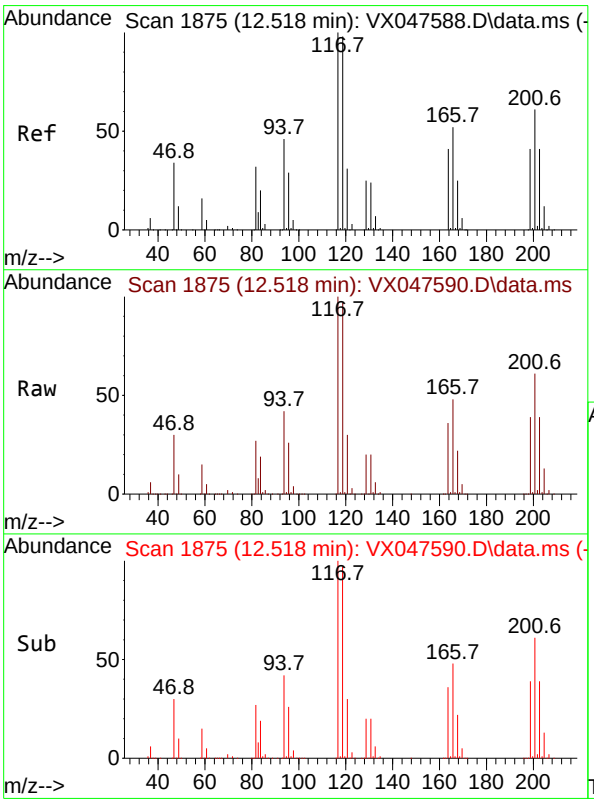
#89
n-Butylbenzene
Concen: 151.222 ug/l
RT: 12.317 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 91 Resp: 1032357

Ion	Ratio	Lower	Upper
91	100		
92	55.2	27.6	82.7
134	25.2	12.6	37.8

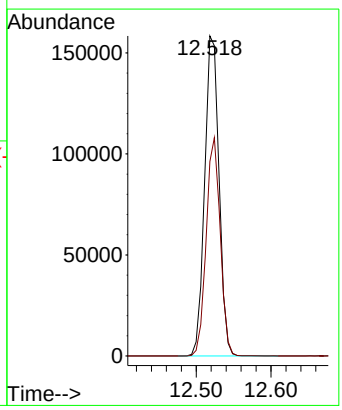


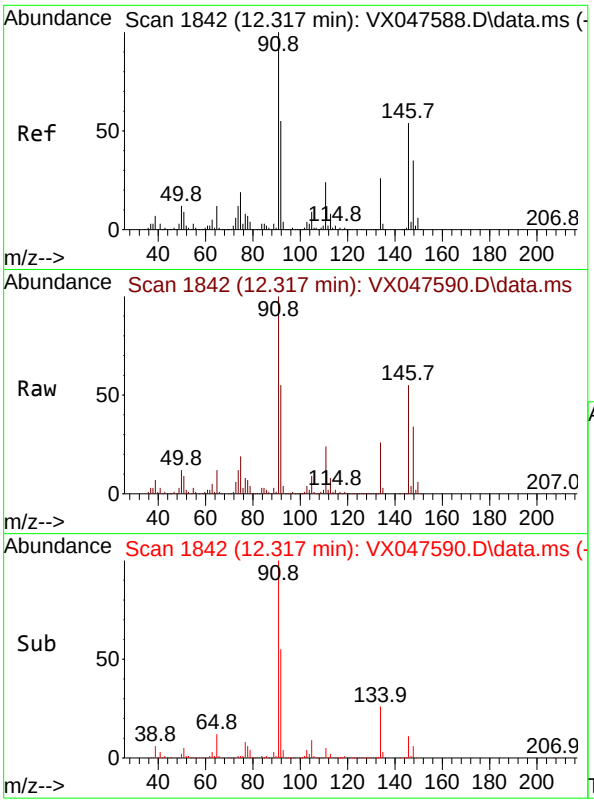


#90
Hexachloroethane
Concen: 163.258 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:117 Resp: 211472

Ion	Ratio	Lower	Upper
117	100		
201	66.6	34.2	102.5



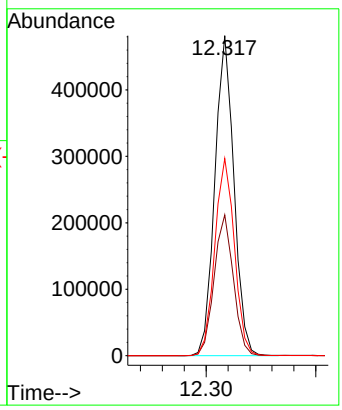


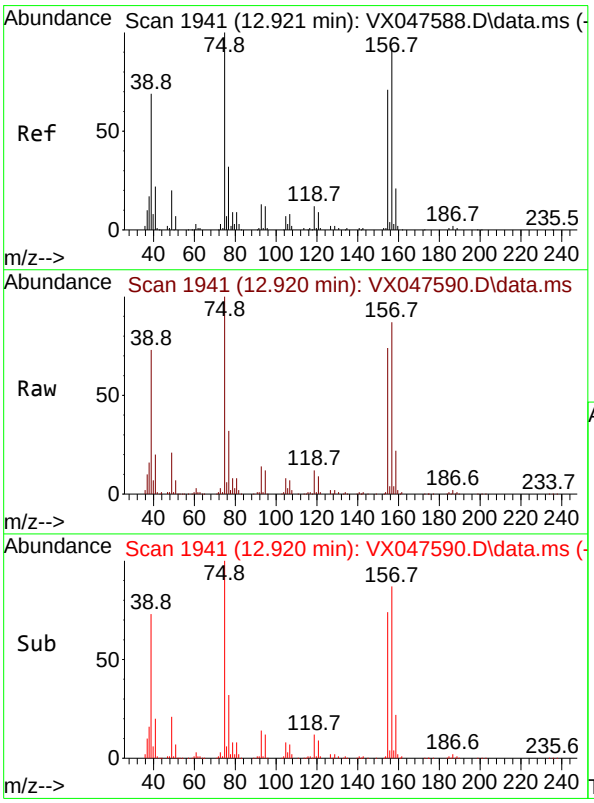
#91
1,2-Dichlorobenzene
Concen: 153.227 ug/l
RT: 12.317 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:146 Resp: 582565

Ion	Ratio	Lower	Upper
146	100		
111	44.5	22.2	66.6
148	63.5	31.8	95.4

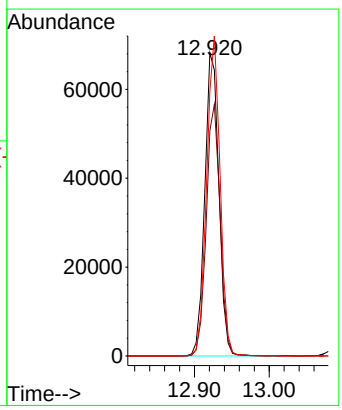


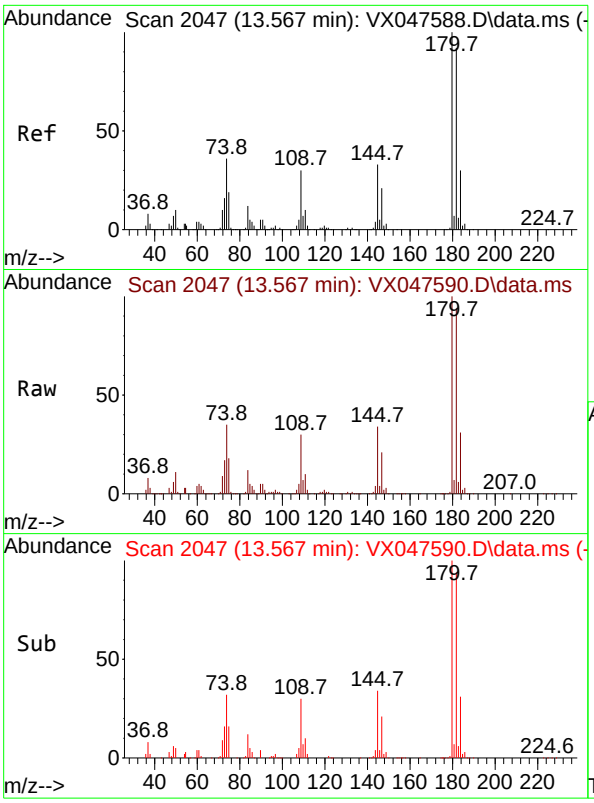


#92
1,2-Dibromo-3-Chloropropane
Concen: 167.332 ug/l
RT: 12.920 min Scan# 1941
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 75 Resp: 89415

Ion	Ratio	Lower	Upper
75	100		
155	81.3	37.7	113.1
157	100.6	49.8	149.4



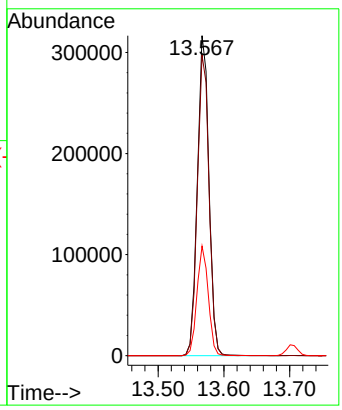


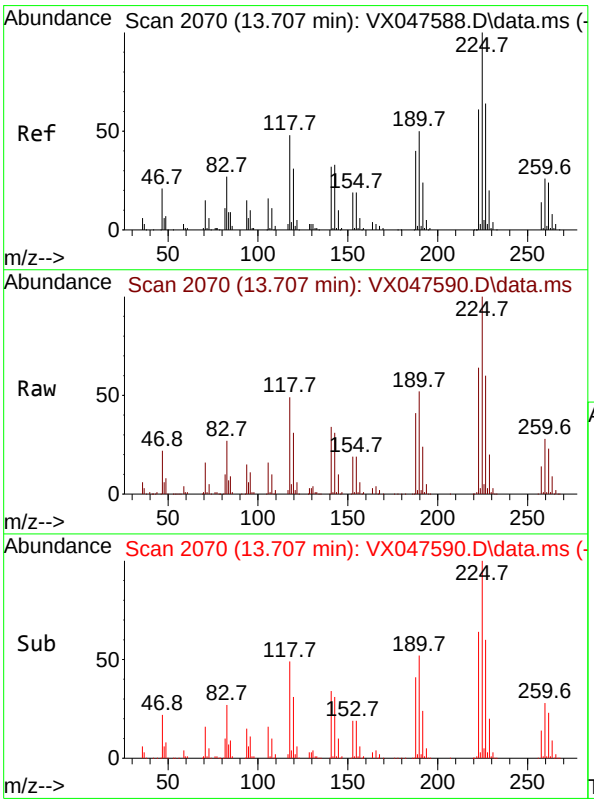
#93
1,2,4-Trichlorobenzene
Concen: 156.884 ug/l
RT: 13.567 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:180 Resp: 387652

Ion	Ratio	Lower	Upper
180	100		
182	95.3	46.6	139.8
145	33.5	16.4	49.1

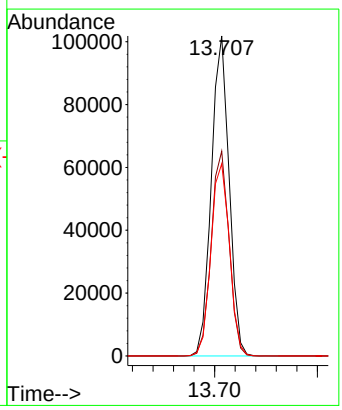


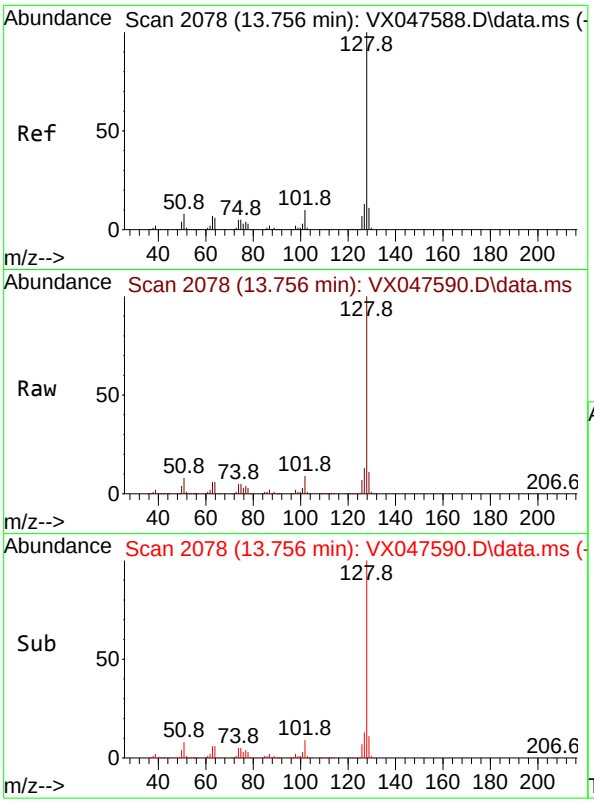


#94
Hexachlorobutadiene
Concen: 145.110 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:225 Resp: 121791

Ion	Ratio	Lower	Upper
225	100		
223	64.2	31.7	95.1
227	62.8	32.0	96.0



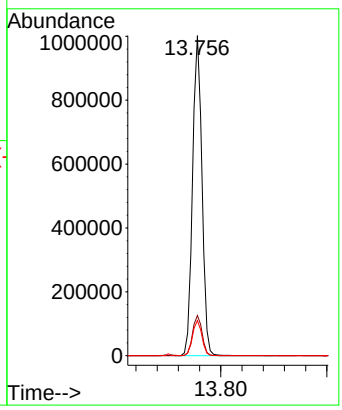


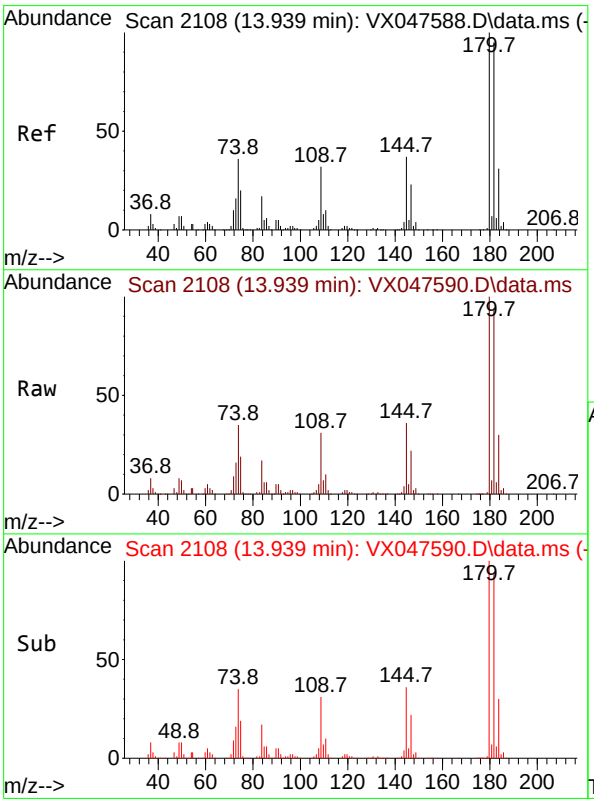
#95
Naphthalene
Concen: 163.388 ug/l
RT: 13.756 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:128 Resp: 1229363

Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.2
129	10.9	8.8	13.2

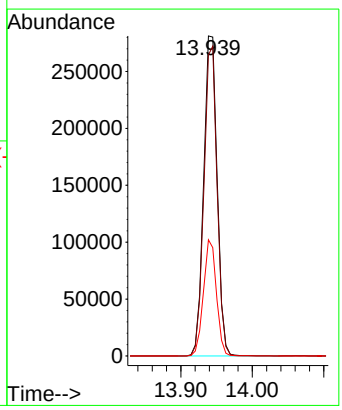




#96
1,2,3-Trichlorobenzene
Concen: 160.704 ug/l
RT: 13.939 min Scan# 2108
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:180 Resp: 369382

Ion	Ratio	Lower	Upper
180	100		
182	94.6	47.6	142.8
145	34.9	17.9	53.7



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047592.D
Acq On : 16 Sep 2025 13:35
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Quant Time: Sep 22 02:06:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.531	168	186484	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.745	114	331837	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	288660	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	139252	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.934	65	135209	45.550	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	91.100%		
35) Dibromofluoromethane	5.367	113	101390	45.559	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	91.120%		
50) Toluene-d8	8.634	98	357393	46.411	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	92.820%		
62) 4-Bromofluorobenzene	11.061	95	135957	46.520	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	93.040%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.179	85	86110	44.592	ug/l	94
3) Chloromethane	1.300	50	110935	43.710	ug/l	99
4) Vinyl Chloride	1.380	62	113742	45.783	ug/l	99
5) Bromomethane	1.617	94	76388	48.489	ug/l	99
6) Chloroethane	1.697	64	77337	46.575	ug/l	99
7) Trichlorofluoromethane	1.892	101	173647	47.074	ug/l	98
8) Diethyl Ether	2.136	74	70459	46.693	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.331	101	104663	48.524	ug/l	99
10) Methyl Iodide	2.453	142	155450	46.210	ug/l	99
11) Tert butyl alcohol	2.940	59	84722	256.271	ug/l	100
12) 1,1-Dichloroethene	2.325	96	104302	47.076	ug/l	98
13) Acrolein	2.233	56	77645	254.867	ug/l	99
14) Allyl chloride	2.666	41	213704	46.742	ug/l	99
15) Acrylonitrile	3.056	53	310505	253.567	ug/l	99
16) Acetone	2.373	43	316217	245.006	ug/l	97
17) Carbon Disulfide	2.514	76	272741	44.966	ug/l	97
18) Methyl Acetate	2.697	43	158480	55.175	ug/l	100
19) Methyl tert-butyl Ether	3.105	73	392574	48.538	ug/l	100
20) Methylene Chloride	2.788	84	125669	46.000	ug/l	97
21) trans-1,2-Dichloroethene	3.087	96	111418	46.709	ug/l	99
22) Diisopropyl ether	3.745	45	426854	48.174	ug/l #	83
23) Vinyl Acetate	3.709	43	1741267	245.539	ug/l	99
24) 1,1-Dichloroethane	3.599	63	226249	48.041	ug/l	99
25) 2-Butanone	4.532	43	408273	253.598	ug/l	97
26) 2,2-Dichloropropane	4.458	77	193760	49.494	ug/l	100
27) cis-1,2-Dichloroethene	4.477	96	142635	48.826	ug/l	99
28) Bromochloromethane	4.879	49	95782	46.586	ug/l	99
29) Tetrahydrofuran	4.983	42	245392	253.375	ug/l	99
30) Chloroform	5.074	83	231954	48.739	ug/l	99
31) Cyclohexane	5.458	56	180430	45.999	ug/l	99
32) 1,1,1-Trichloroethane	5.367	97	197711	48.978	ug/l	100
36) 1,1-Dichloropropene	5.678	75	151745	46.663	ug/l	99
37) Ethyl Acetate	4.690	43	171454	49.241	ug/l	98
38) Carbon Tetrachloride	5.659	117	165834	46.935	ug/l	95
39) Methylcyclohexane	7.360	83	179392	48.597	ug/l	98
40) Benzene	6.019	78	467748	47.357	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047592.D
Acq On : 16 Sep 2025 13:35
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Quant Time: Sep 22 02:06:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.897	41	90758	50.490	ug/l		98
42) 1,2-Dichloroethane	6.068	62	176131	46.867	ug/l		100
43) Isopropyl Acetate	6.318	43	280595	49.136	ug/l		100
44) Trichloroethene	7.104	130	114708	48.037	ug/l		98
45) 1,2-Dichloropropane	7.409	63	121532	48.053	ug/l		98
46) Dibromomethane	7.562	93	88297	47.976	ug/l		98
47) Bromodichloromethane	7.799	83	185219	48.769	ug/l		96
48) Methyl methacrylate	7.671	41	141532	49.757	ug/l		99
49) 1,4-Dioxane	7.641	88	31320	1089.520	ug/l		98
51) 4-Methyl-2-Pentanone	8.555	43	809759	255.752	ug/l		100
52) Toluene	8.702	92	292879	48.130	ug/l		99
53) t-1,3-Dichloropropene	8.964	75	191863	49.527	ug/l		100
54) cis-1,3-Dichloropropene	8.348	75	203954	49.257	ug/l		97
55) 1,1,2-Trichloroethane	9.134	97	112094	47.772	ug/l		98
56) Ethyl methacrylate	9.098	69	189741	51.490	ug/l		99
57) 1,3-Dichloropropane	9.293	76	197079	48.894	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.226	63	394205	225.562	ug/l		99
59) 2-Hexanone	9.415	43	575599	253.126	ug/l		99
60) Dibromochloromethane	9.506	129	134704	49.824	ug/l		99
61) 1,2-Dibromoethane	9.592	107	117817	49.297	ug/l		99
64) Tetrachloroethene	9.256	164	90881	48.296	ug/l		98
65) Chlorobenzene	10.061	112	318372	48.549	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.146	131	110416	48.794	ug/l		98
67) Ethyl Benzene	10.177	91	563634	49.813	ug/l		99
68) m/p-Xylenes	10.287	106	416757	98.956	ug/l		99
69) o-Xylene	10.622	106	204323	50.159	ug/l		99
70) Styrene	10.640	104	353567	49.536	ug/l		99
71) Bromoform	10.780	173	86524	51.207	ug/l	#	98
73) Isopropylbenzene	10.945	105	523826	49.479	ug/l		100
74) N-amyl acetate	10.823	43	243198	50.375	ug/l		100
75) 1,1,2,2-Tetrachloroethane	11.195	83	159676	49.851	ug/l		99
76) 1,2,3-Trichloropropane	11.219	75	184000	65.262	ug/l		89
77) Bromobenzene	11.183	156	125610	48.173	ug/l		98
78) n-propylbenzene	11.286	91	616928	49.295	ug/l		99
79) 2-Chlorotoluene	11.347	91	376486	49.117	ug/l		100
80) 1,3,5-Trimethylbenzene	11.433	105	435375	50.055	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.000	75	55880	50.543	ug/l		99
82) 4-Chlorotoluene	11.433	91	445075	49.164	ug/l		100
83) tert-Butylbenzene	11.695	119	442341	49.679	ug/l		99
84) 1,2,4-Trimethylbenzene	11.732	105	440134	49.911	ug/l		99
85) sec-Butylbenzene	11.872	105	529869	50.100	ug/l		100
86) p-Isopropyltoluene	11.994	119	446441	49.861	ug/l		99
87) 1,3-Dichlorobenzene	11.951	146	237383	49.014	ug/l		99
88) 1,4-Dichlorobenzene	12.024	146	243618	49.011	ug/l		99
89) n-Butylbenzene	12.317	91	420478	50.752	ug/l		100
90) Hexachloroethane	12.518	117	79751	50.732	ug/l		99
91) 1,2-Dichlorobenzene	12.317	146	227493	49.304	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	12.920	75	33020	50.918	ug/l		96
93) 1,2,4-Trichlorobenzene	13.567	180	153333	51.133	ug/l		100
94) Hexachlorobutadiene	13.707	225	53099	52.131	ug/l		99
95) Naphthalene	13.756	128	464206	50.836	ug/l		100
96) 1,2,3-Trichlorobenzene	13.938	180	142413	51.054	ug/l		100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047592.D
Acq On : 16 Sep 2025 13:35
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Quant Time: Sep 22 02:06:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

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

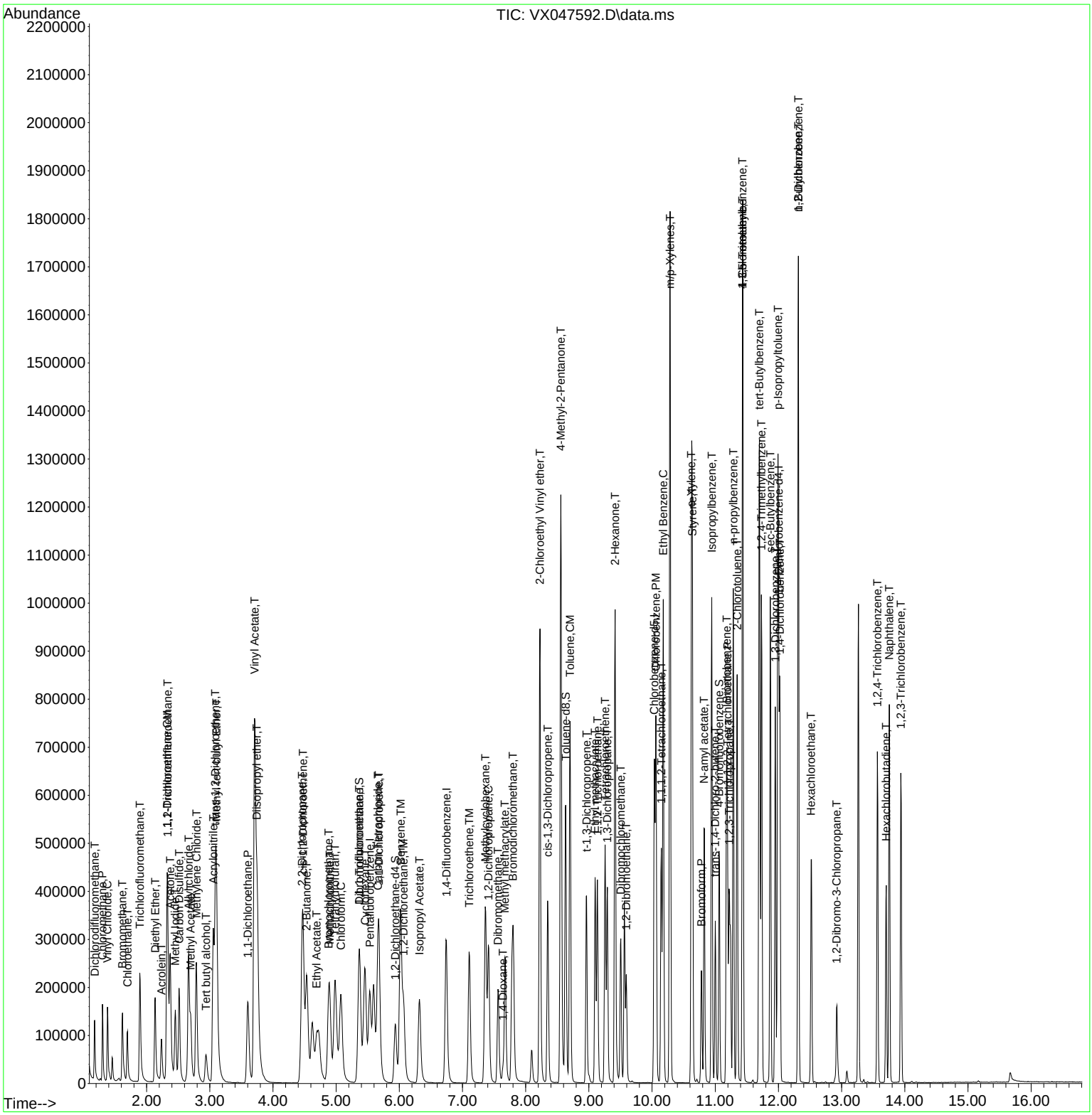
(#) = qualifier out of range (m) = manual integration (+) = signals summed

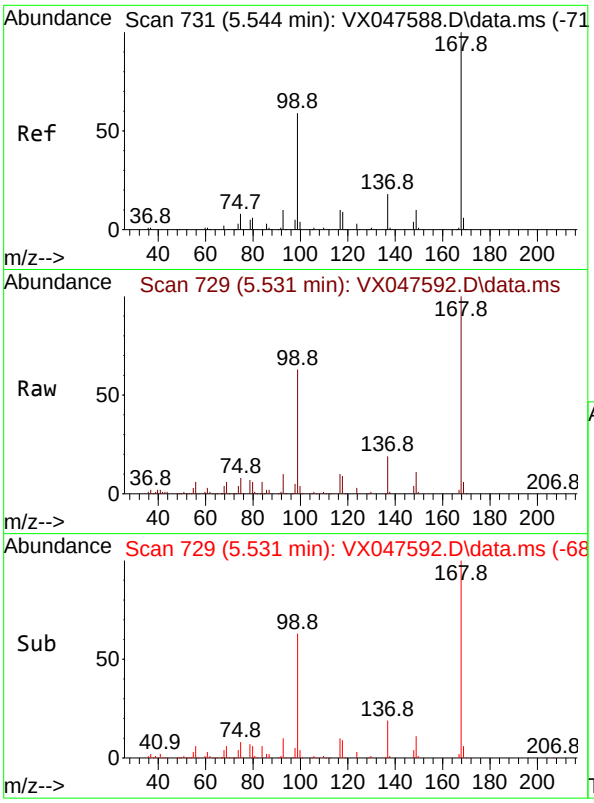
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047592.D
Acq On : 16 Sep 2025 13:35
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Quant Time: Sep 22 02:06:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



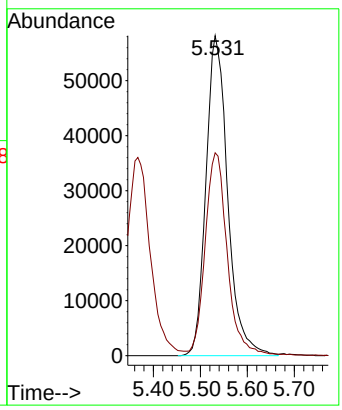


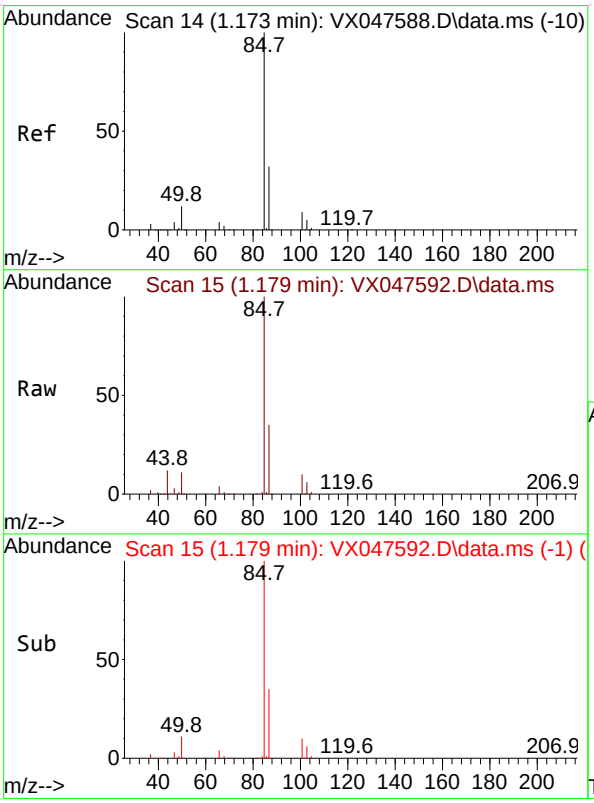
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.531 min Scan# 7
Delta R.T. -0.013 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion:168 Resp: 186484

Ion	Ratio	Lower	Upper
168	100		
99	62.9	48.8	73.2

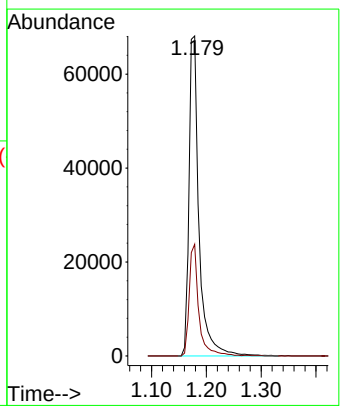


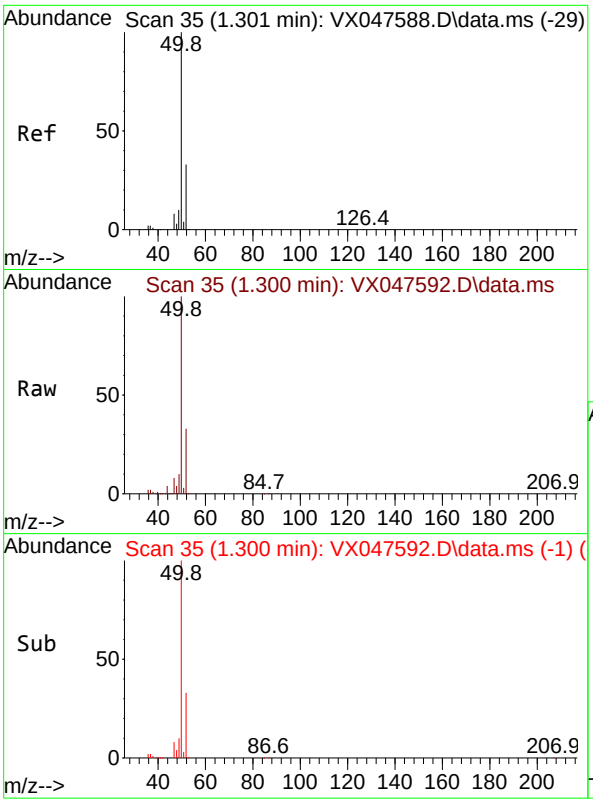


#2
Dichlorodifluoromethane
Concen: 44.592 ug/l
RT: 1.179 min Scan# 15
Delta R.T. 0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 85 Resp: 86110

Ion	Ratio	Lower	Upper
85	100		
87	34.9	15.8	47.3



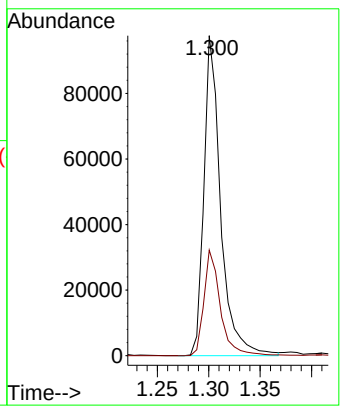


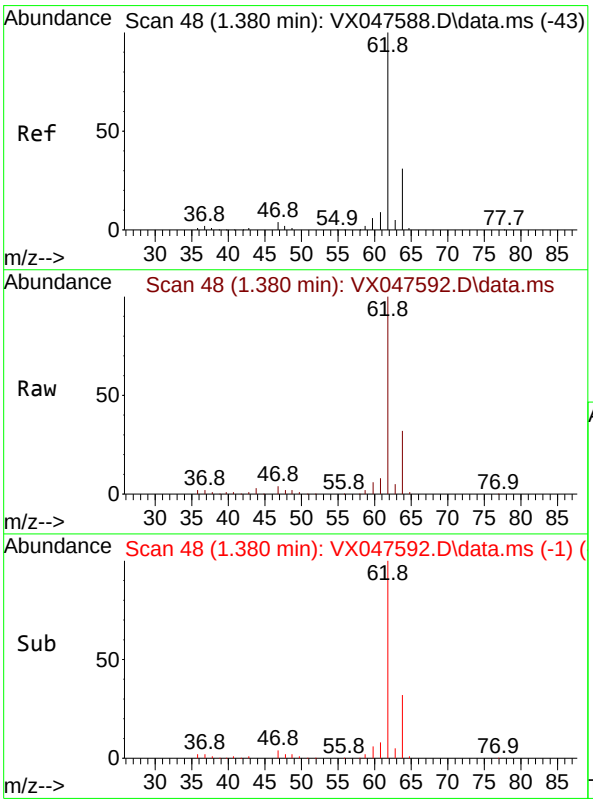
#3
Chloromethane
Concen: 43.710 ug/l
RT: 1.300 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion: 50 Resp: 110935

Ion	Ratio	Lower	Upper
50	100		
52	33.0	26.1	39.1

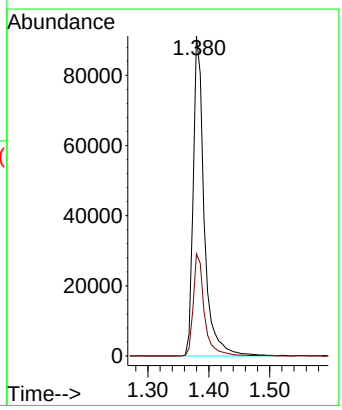


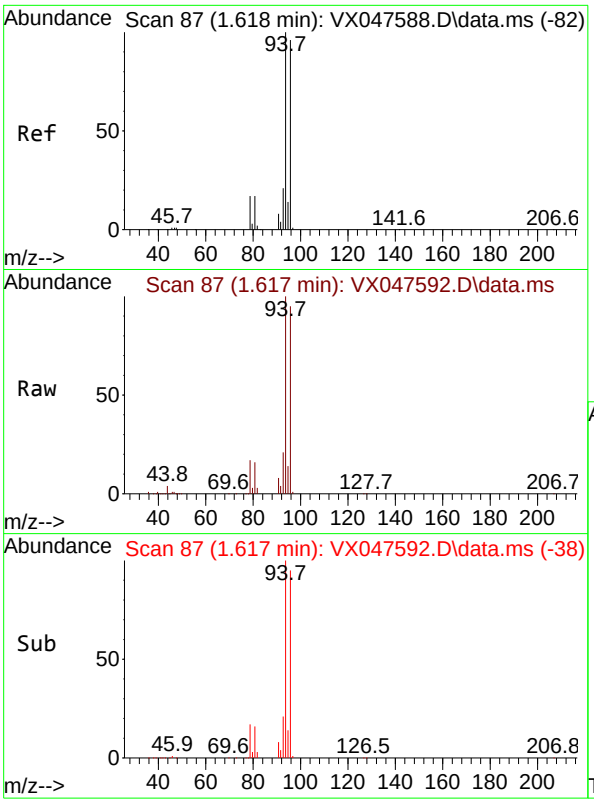


#4
Vinyl Chloride
Concen: 45.783 ug/l
RT: 1.380 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 62 Resp: 113742

Ion	Ratio	Lower	Upper
62	100		
64	31.9	24.9	37.3



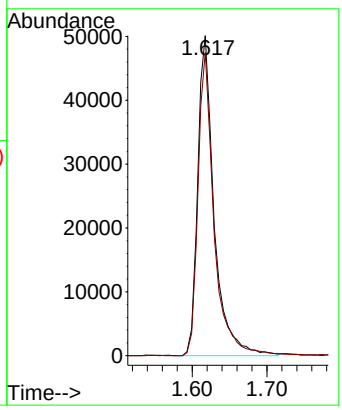


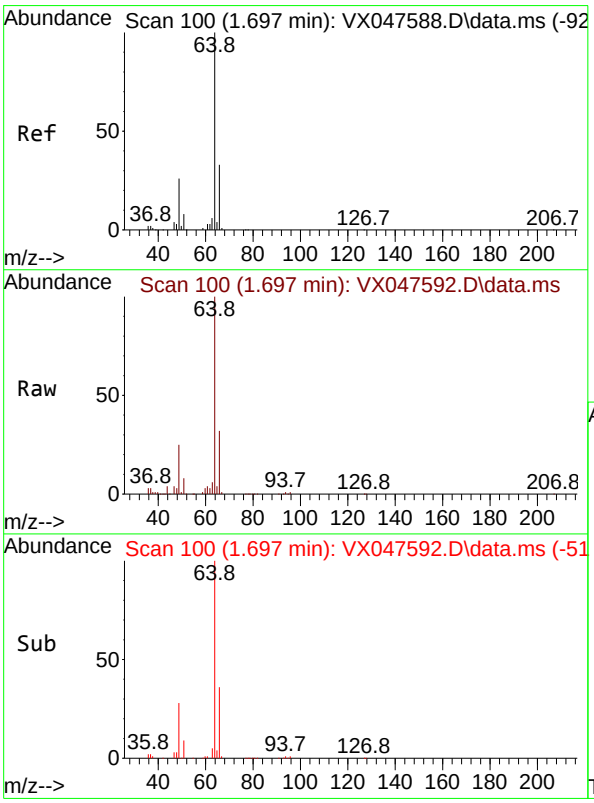
#5
Bromomethane
Concen: 48.489 ug/l
RT: 1.617 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion: 94 Resp: 76388

Ion	Ratio	Lower	Upper
94	100		
96	94.7	76.6	115.0

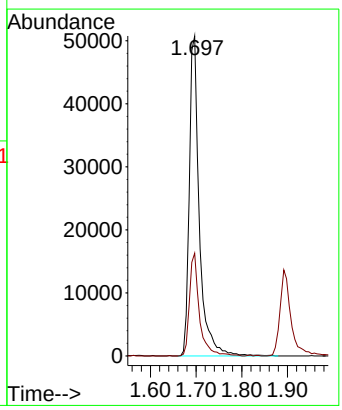


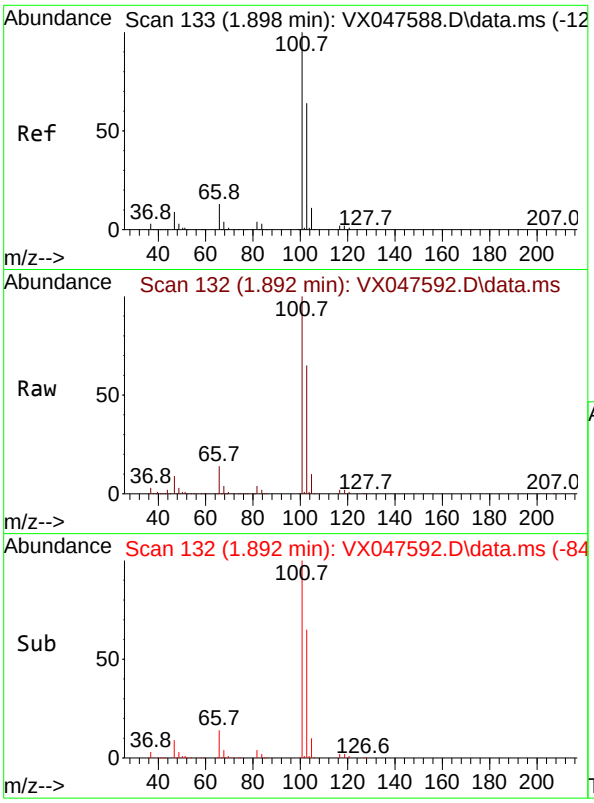


#6
Chloroethane
Concen: 46.575 ug/l
RT: 1.697 min Scan# 100
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 64 Resp: 77337

Ion	Ratio	Lower	Upper
64	100		
66	32.1	26.1	39.1



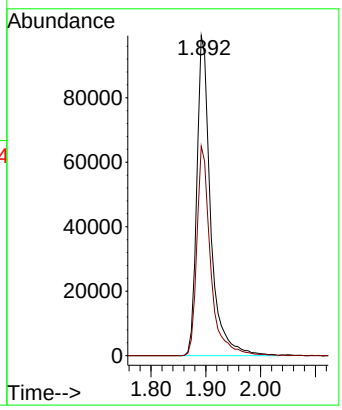


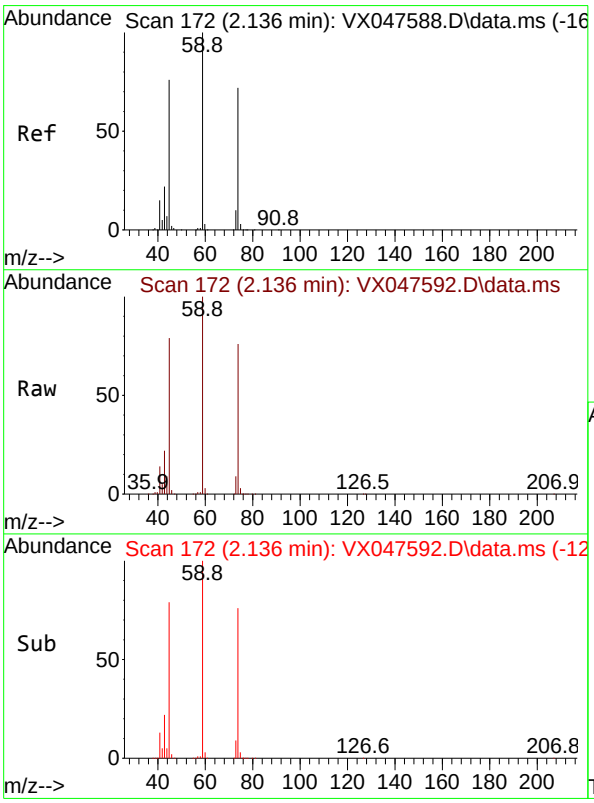
#7
Trichlorofluoromethane
Concen: 47.074 ug/l
RT: 1.892 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion:101 Resp: 173647

Ion	Ratio	Lower	Upper
101	100		
103	65.5	51.4	77.2

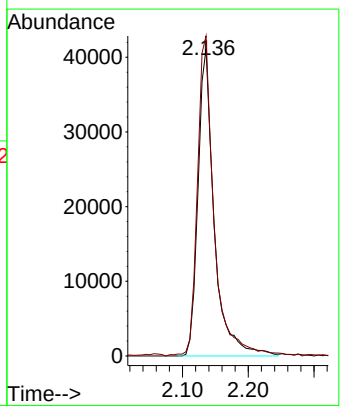


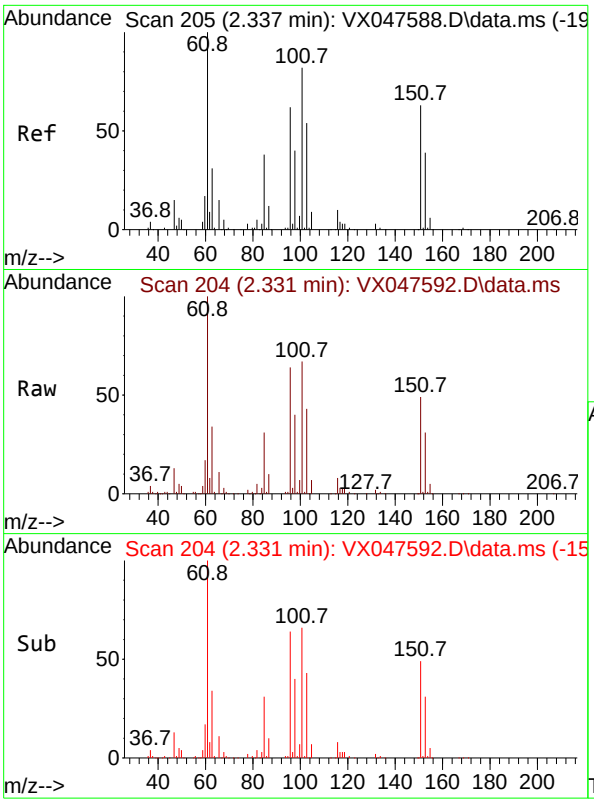


#8
Diethyl Ether
Concen: 46.693 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 74 Resp: 70459

Ion	Ratio	Lower	Upper
74	100		
45	107.1	52.3	156.8



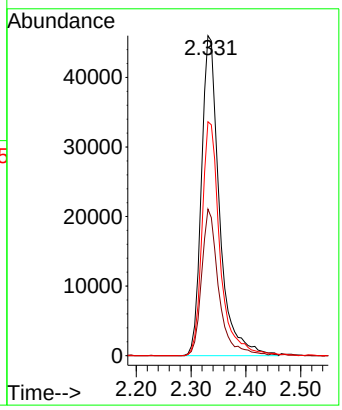


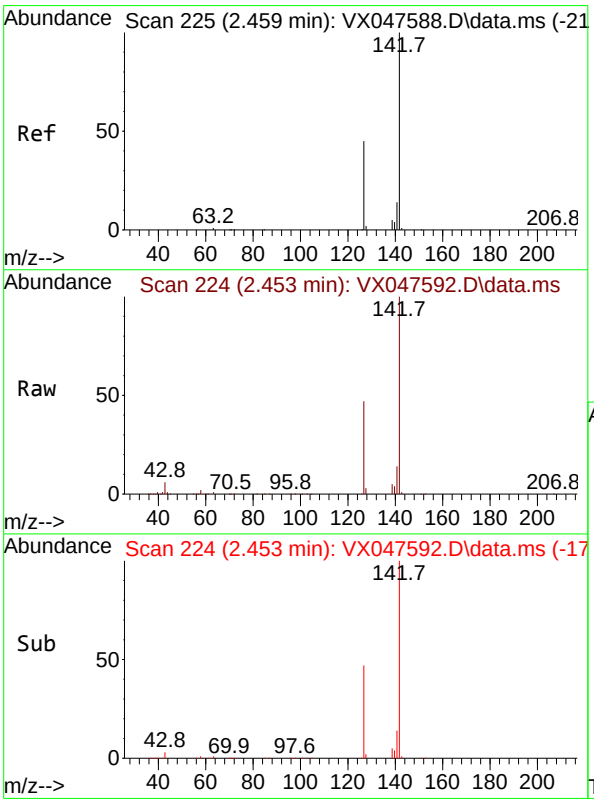
#9
1,1,2-Trichlorotrifluoroethane
Concen: 48.524 ug/l
RT: 2.331 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion:101 Resp: 104663

Ion	Ratio	Lower	Upper
101	100		
85	44.1	35.5	53.3
151	73.3	59.4	89.0

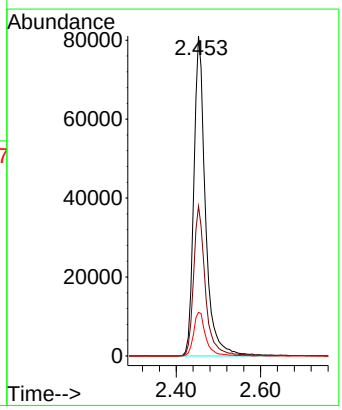


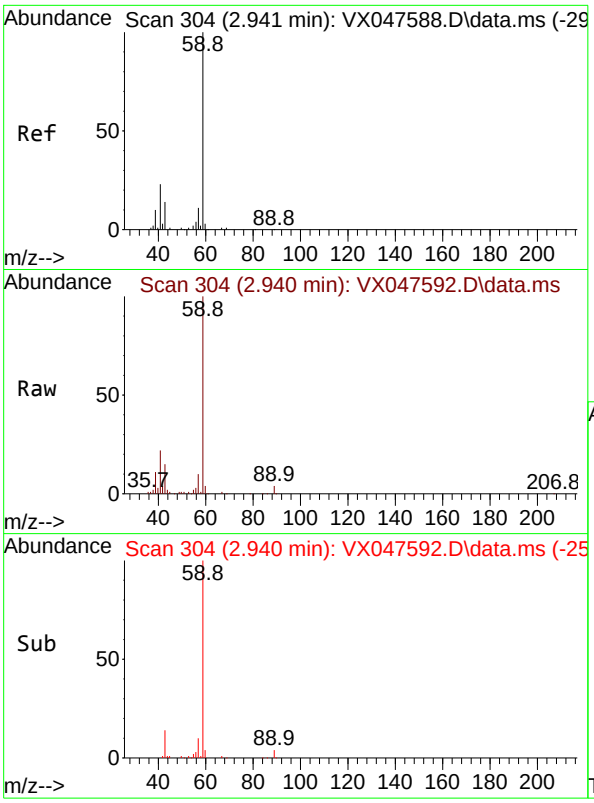


#10
Methyl Iodide
Concen: 46.210 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:142 Resp: 155450

Ion	Ratio	Lower	Upper
142	100		
127	47.6	37.2	55.8
141	14.4	11.4	17.0



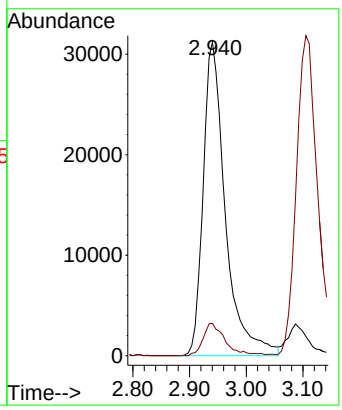


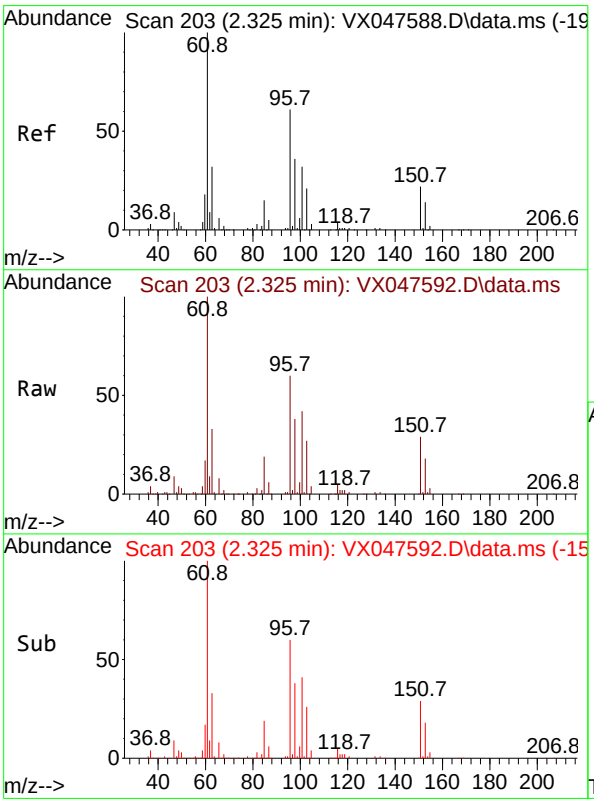
#11
Tert butyl alcohol
Concen: 256.271 ug/l
RT: 2.940 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion: 59 Resp: 84722

Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.3	12.5

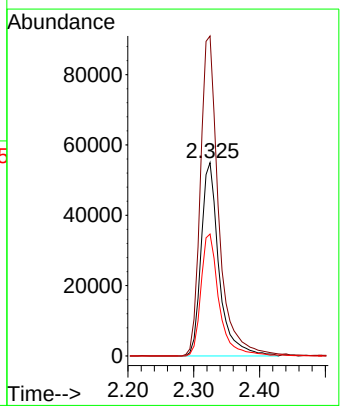


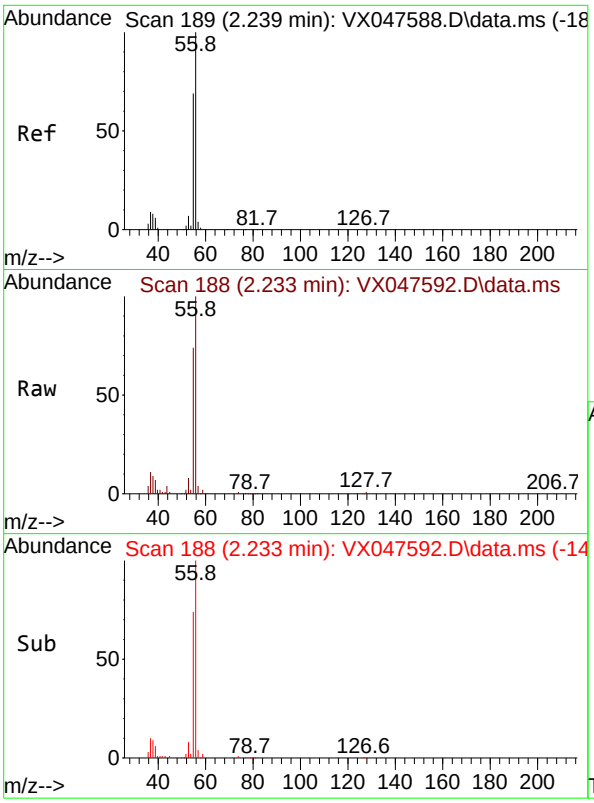


#12
1,1-Dichloroethene
Concen: 47.076 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 96 Resp: 104302

Ion	Ratio	Lower	Upper
96	100		
61	165.6	131.0	196.6
98	63.1	47.7	71.5



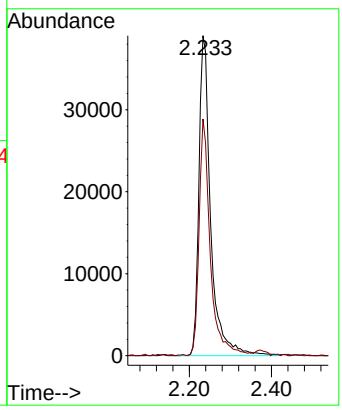


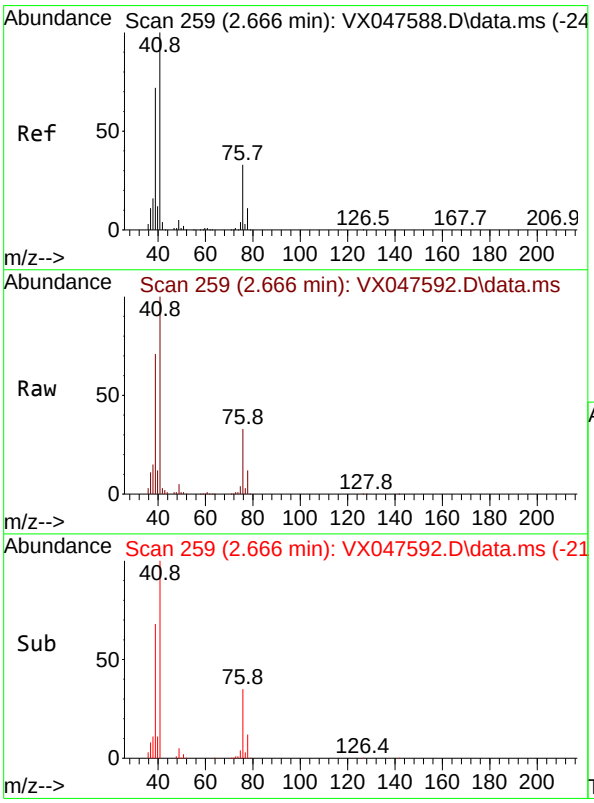
#13
Acrolein
Concen: 254.867 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion: 56 Resp: 77645

Ion	Ratio	Lower	Upper
56	100		
55	70.3	57.2	85.8

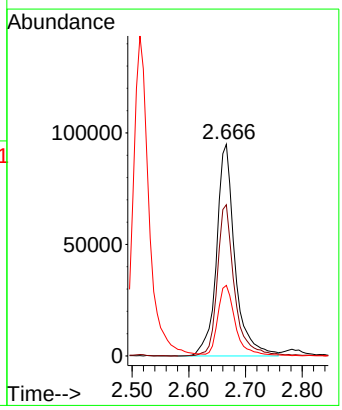


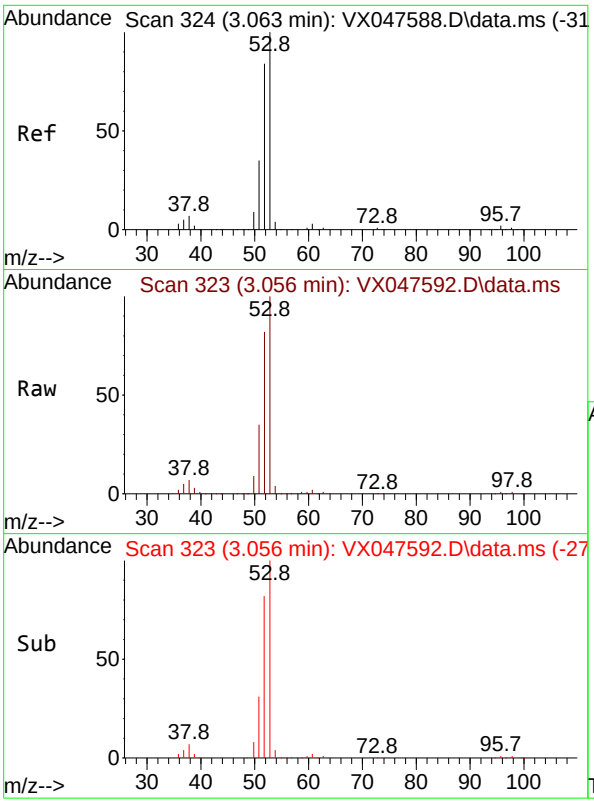


#14
Allyl chloride
Concen: 46.742 ug/l
RT: 2.666 min Scan# 259
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 41 Resp: 213704

Ion	Ratio	Lower	Upper
41	100		
39	67.2	54.7	82.1
76	31.7	25.7	38.5



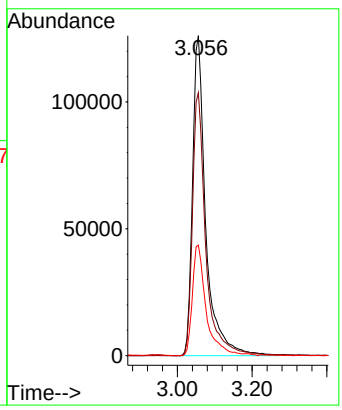


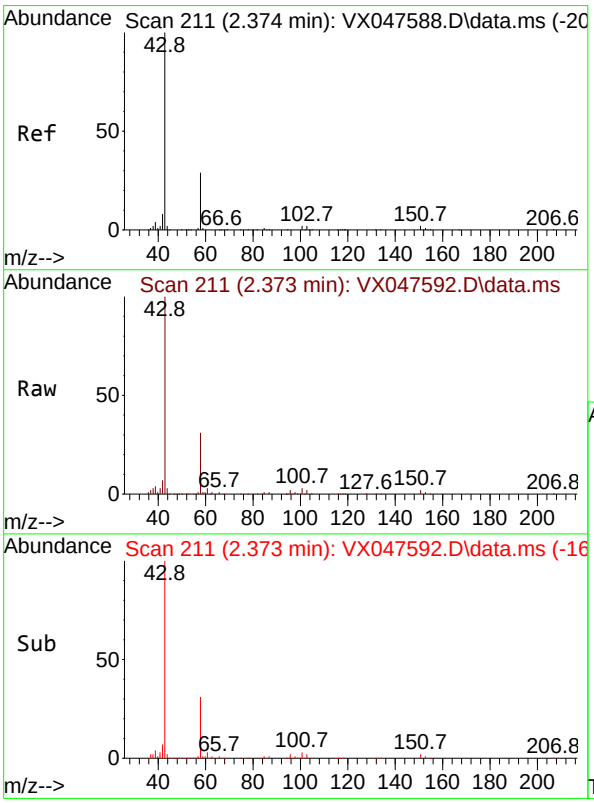
#15
Acrylonitrile
Concen: 253.567 ug/l
RT: 3.056 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion: 53 Resp: 310505

Ion	Ratio	Lower	Upper
53	100		
52	82.6	66.4	99.6
51	36.2	29.5	44.3

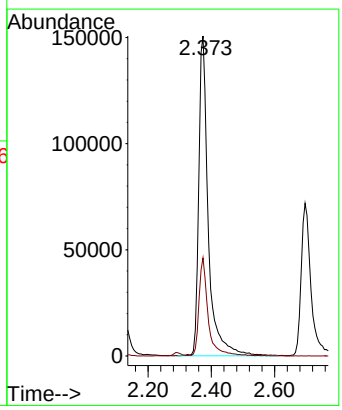


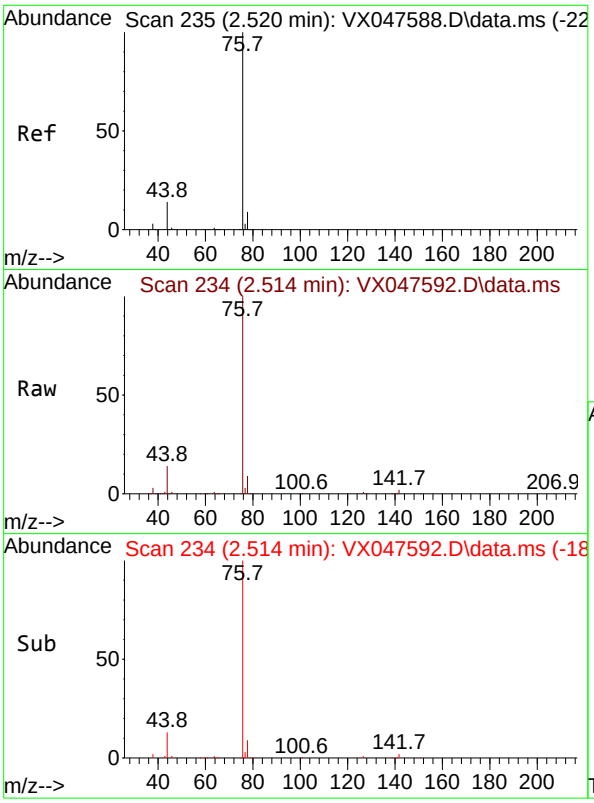


#16
Acetone
Concen: 245.006 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 43 Resp: 316217

Ion	Ratio	Lower	Upper
43	100		
58	30.6	23.4	35.0



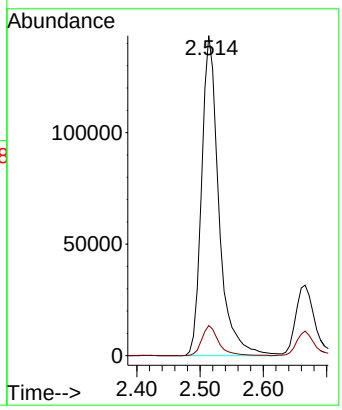


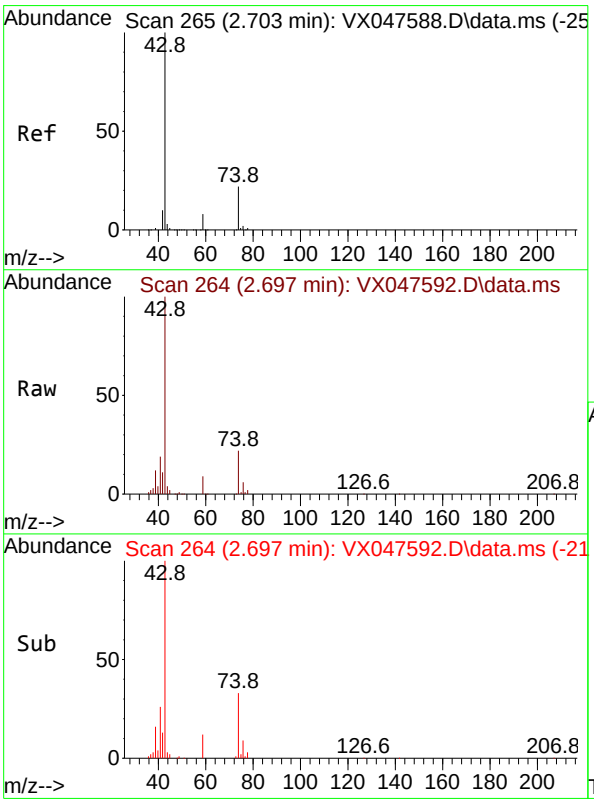
#17
Carbon Disulfide
Concen: 44.966 ug/l
RT: 2.514 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion: 76 Resp: 272741

Ion	Ratio	Lower	Upper
76	100		
78	9.6	6.8	10.2

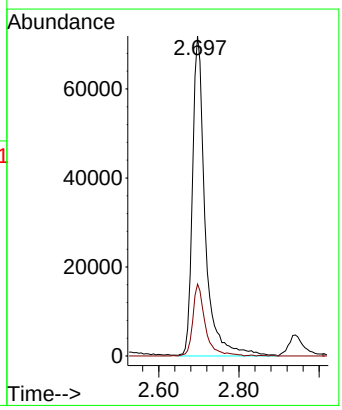


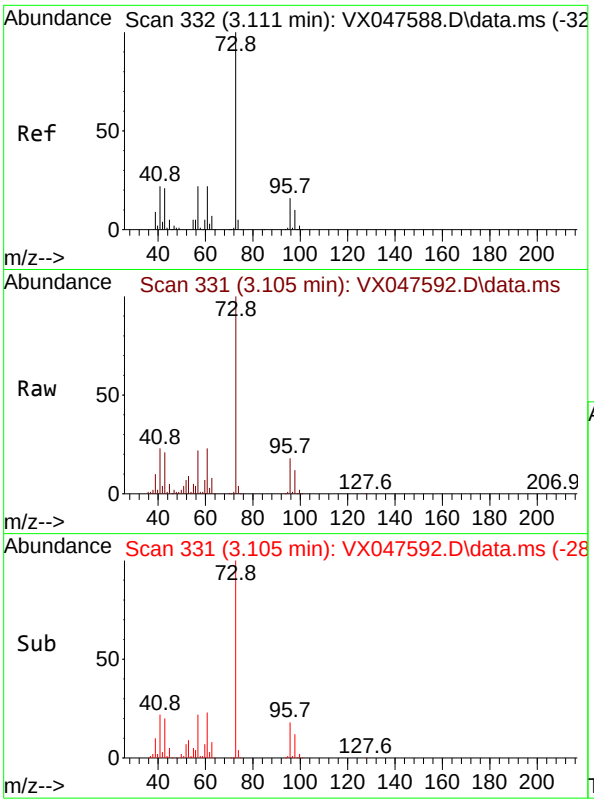


#18
Methyl Acetate
Concen: 55.175 ug/l
RT: 2.697 min Scan# 264
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 43 Resp: 158480

Ion	Ratio	Lower	Upper
43	100		
74	21.8	17.4	26.2



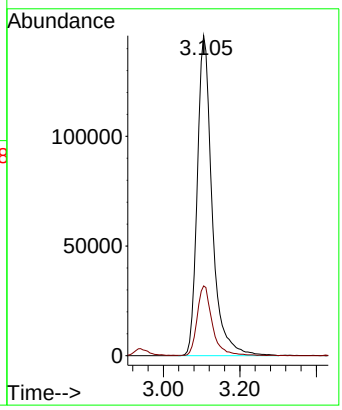


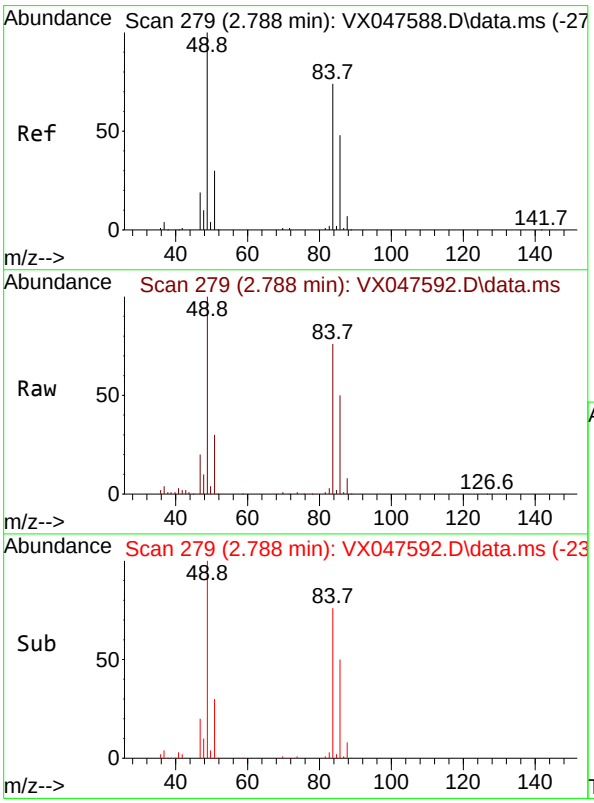
#19
Methyl tert-butyl Ether
Concen: 48.538 ug/l
RT: 3.105 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion: 73 Resp: 392574

Ion	Ratio	Lower	Upper
73	100		
57	21.7	17.4	26.2

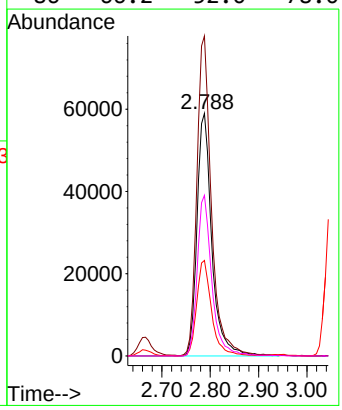


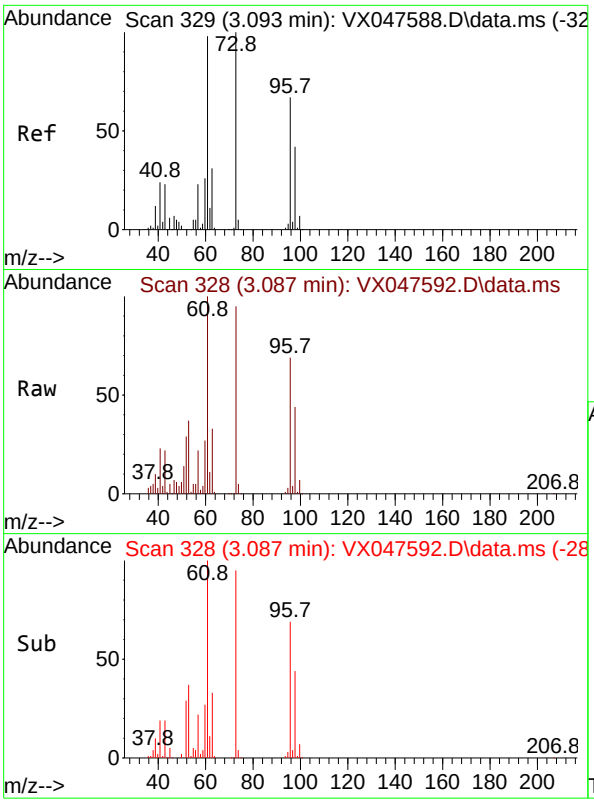


#20
Methylene Chloride
Concen: 46.000 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 84 Resp: 125669

Ion	Ratio	Lower	Upper
84	100		
49	131.8	108.6	162.8
51	39.4	32.6	48.8
86	66.2	52.0	78.0



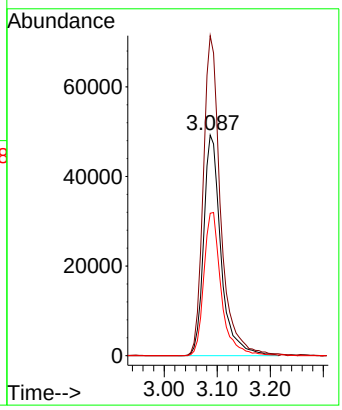


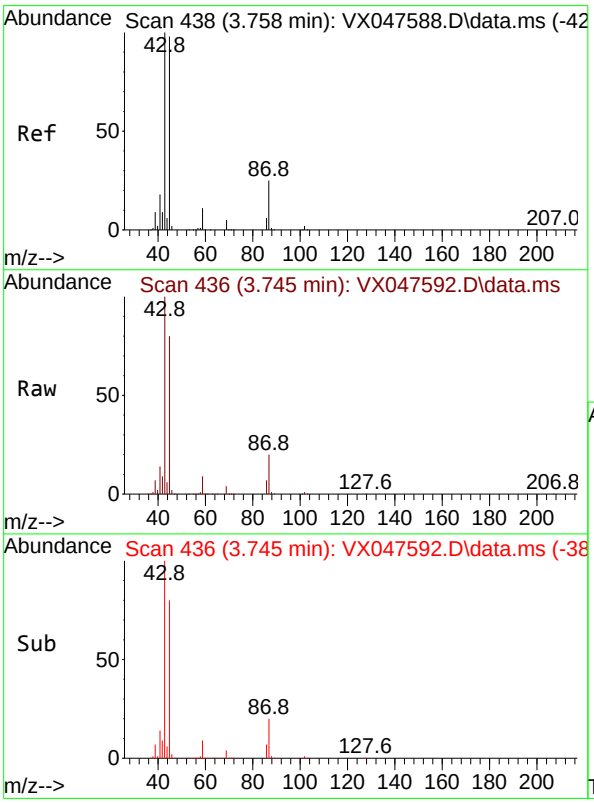
#21
trans-1,2-Dichloroethene
Concen: 46.709 ug/l
RT: 3.087 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion: 96 Resp: 111418

Ion	Ratio	Lower	Upper
96	100		
61	145.1	116.2	174.2
98	64.5	49.3	73.9

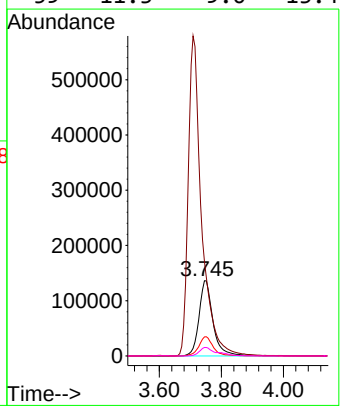


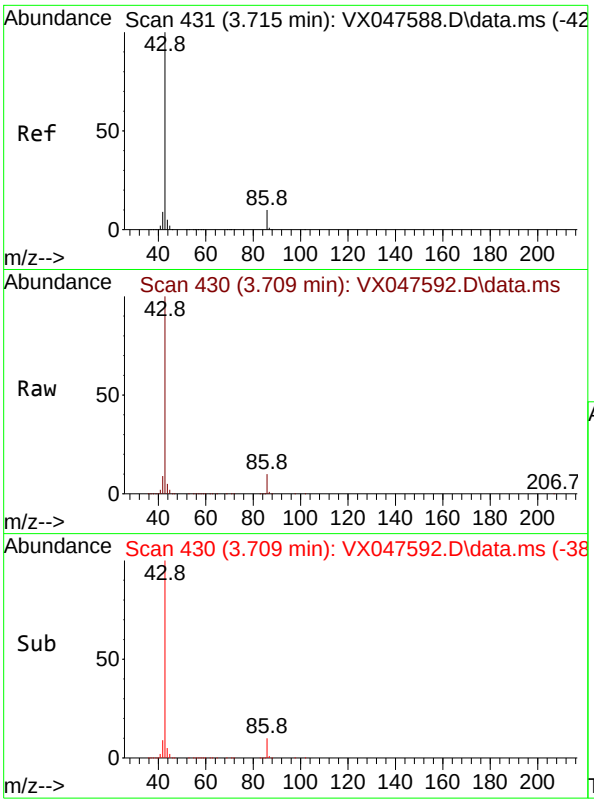


#22
Diisopropyl ether
Concen: 48.174 ug/l
RT: 3.745 min Scan# 436
Delta R.T. -0.012 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 45 Resp: 426854

Ion	Ratio	Lower	Upper
45	100		
43	124.9	81.0	121.4#
87	25.2	20.3	30.5
59	11.3	9.0	13.4



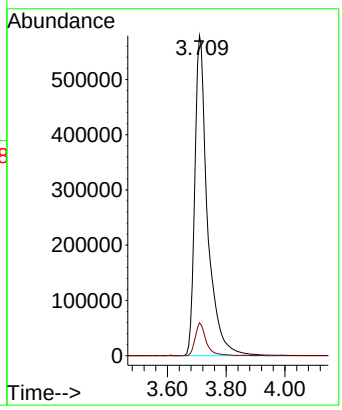


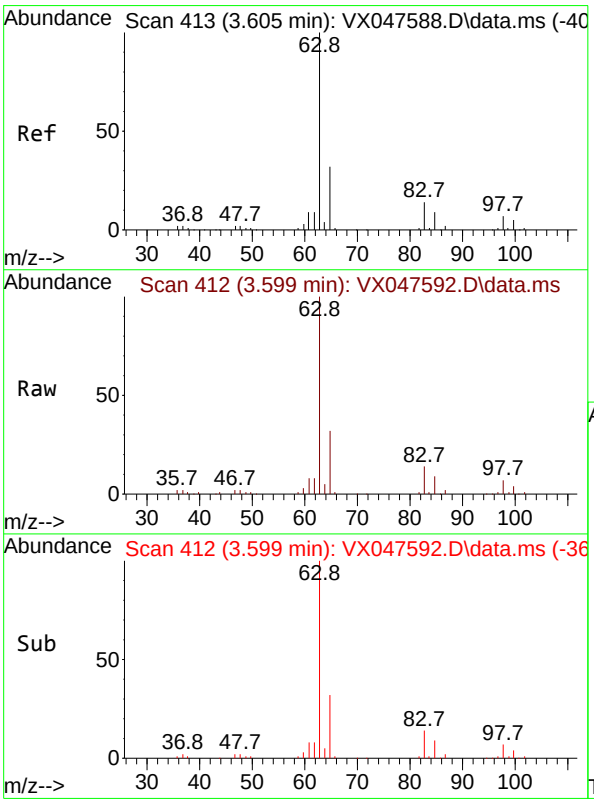
#23
Vinyl Acetate
Concen: 245.539 ug/l
RT: 3.709 min Scan# 4
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion: 43 Resp: 1741267

Ion	Ratio	Lower	Upper
43	100		
86	10.2	7.8	11.8

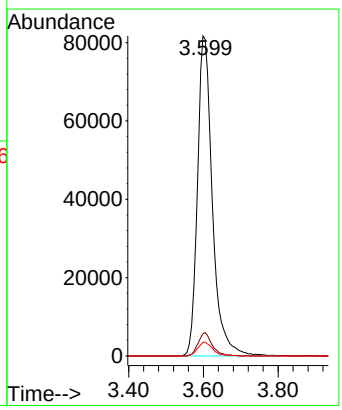


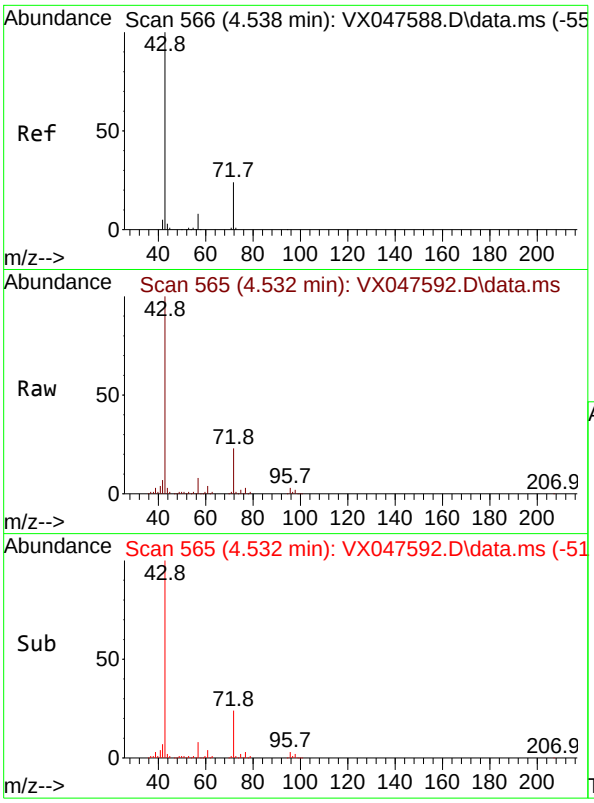


#24
1,1-Dichloroethane
Concen: 48.041 ug/l
RT: 3.599 min Scan# 412
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 63 Resp: 226249

Ion	Ratio	Lower	Upper
63	100		
98	6.9	3.8	11.2
100	4.4	2.3	6.9



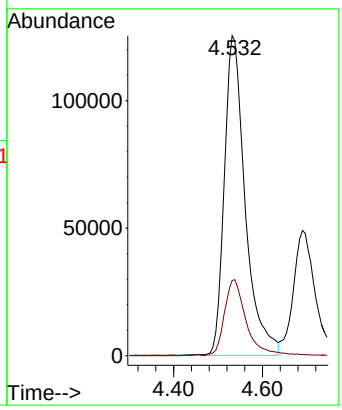


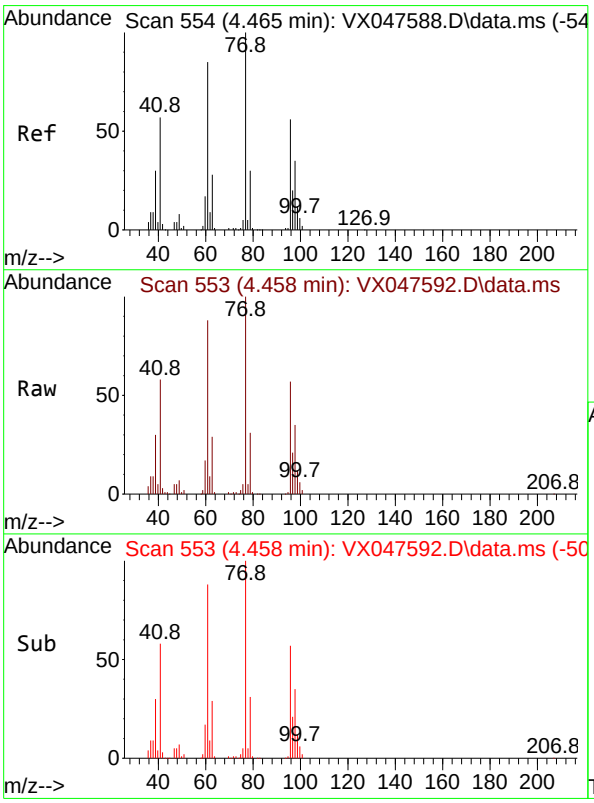
#25
2-Butanone
Concen: 253.598 ug/l
RT: 4.532 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion: 43 Resp: 408273

Ion	Ratio	Lower	Upper
43	100		
72	23.5	20.1	30.1

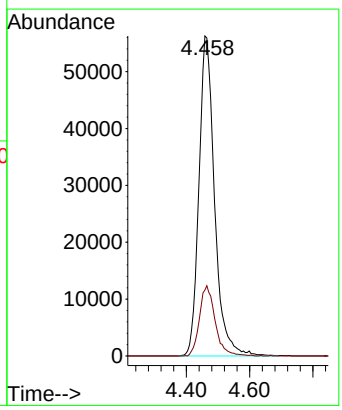


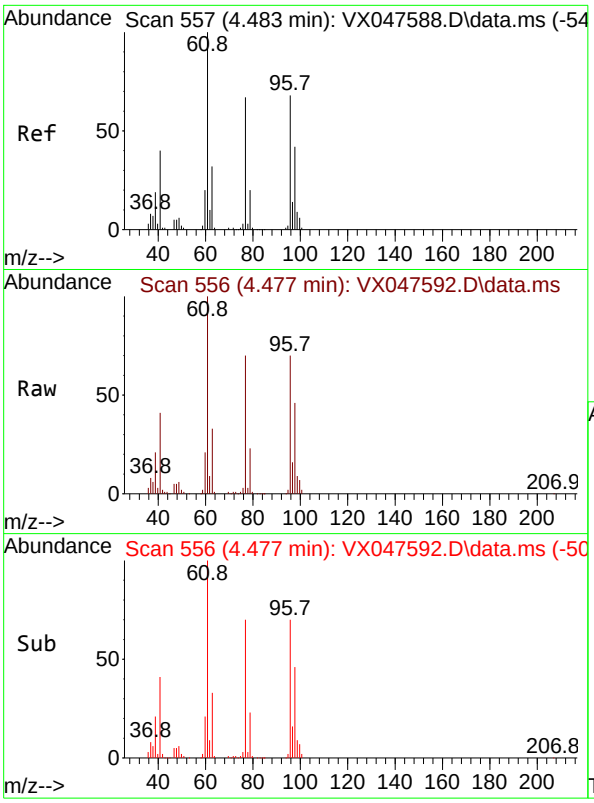


#26
2,2-Dichloropropane
Concen: 49.494 ug/l
RT: 4.458 min Scan# 553
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 77 Resp: 193760

Ion	Ratio	Lower	Upper
77	100		
97	22.0	10.9	32.7



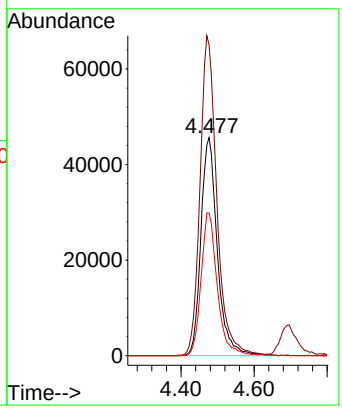


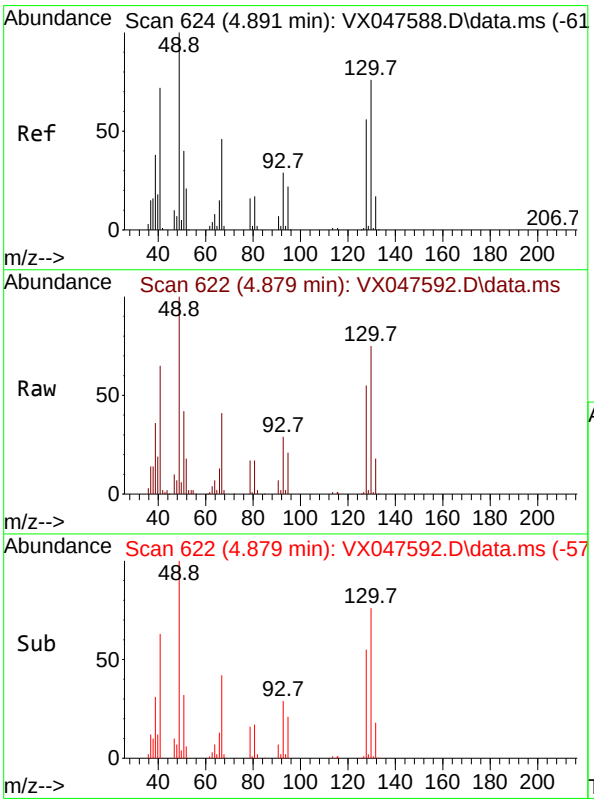
#27
cis-1,2-Dichloroethene
Concen: 48.826 ug/l
RT: 4.477 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion: 96 Resp: 142635

Ion	Ratio	Lower	Upper
96	100		
61	149.7	0.0	303.2
98	64.3	0.0	127.8

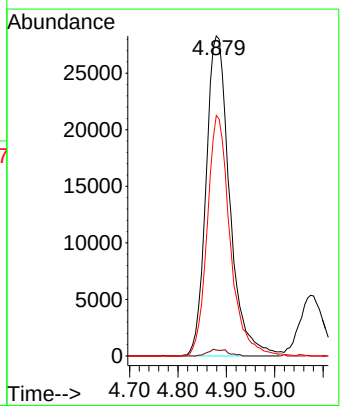


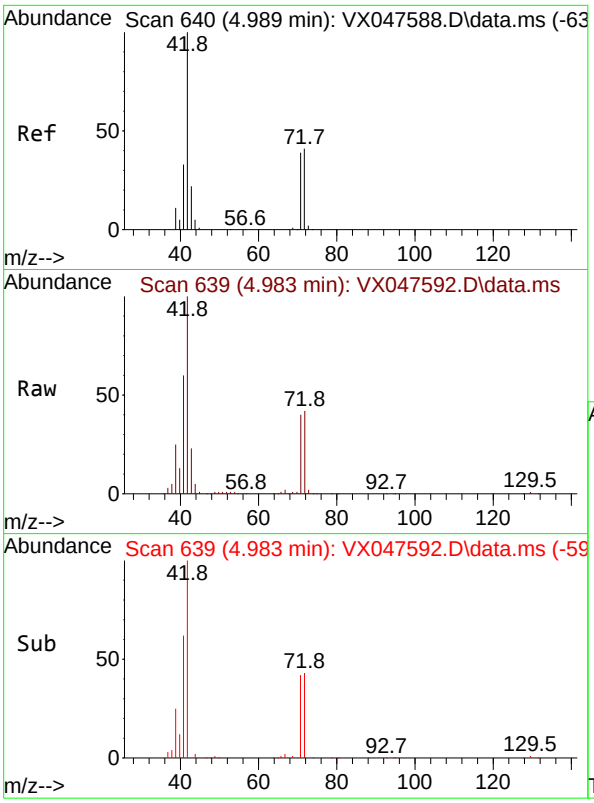


#28
Bromochloromethane
Concen: 46.586 ug/l
RT: 4.879 min Scan# 622
Delta R.T. -0.012 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 49 Resp: 95782

Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.2
130	72.9	57.8	86.8



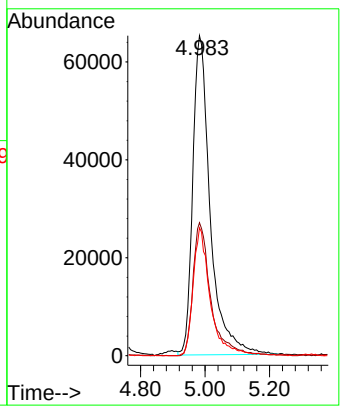


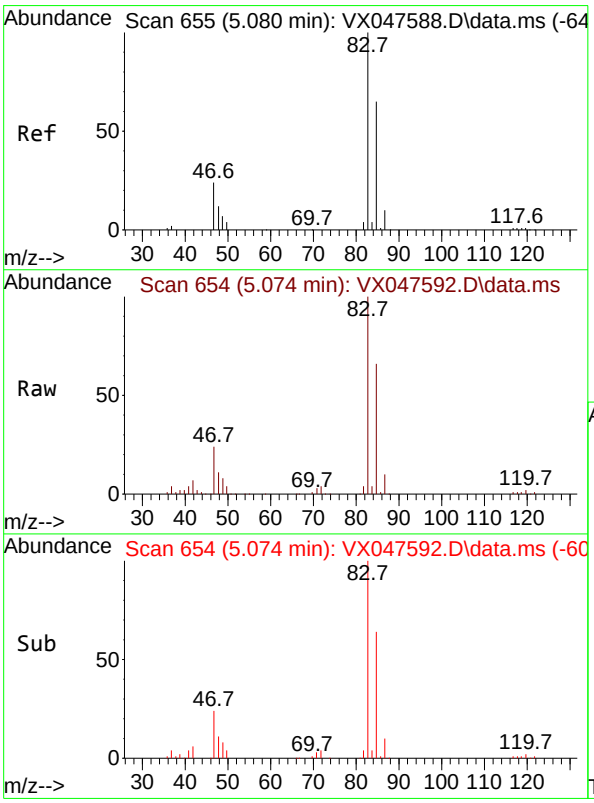
#29
Tetrahydrofuran
Concen: 253.375 ug/l
RT: 4.983 min Scan# 6
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion: 42 Resp: 245392

Ion	Ratio	Lower	Upper
42	100		
72	42.7	34.2	51.2
71	38.9	31.9	47.9

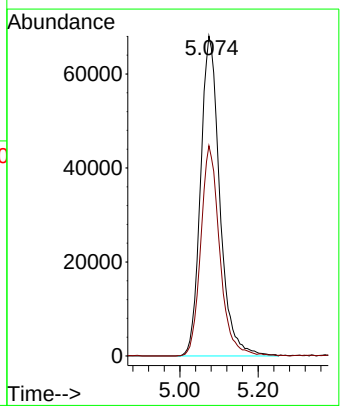


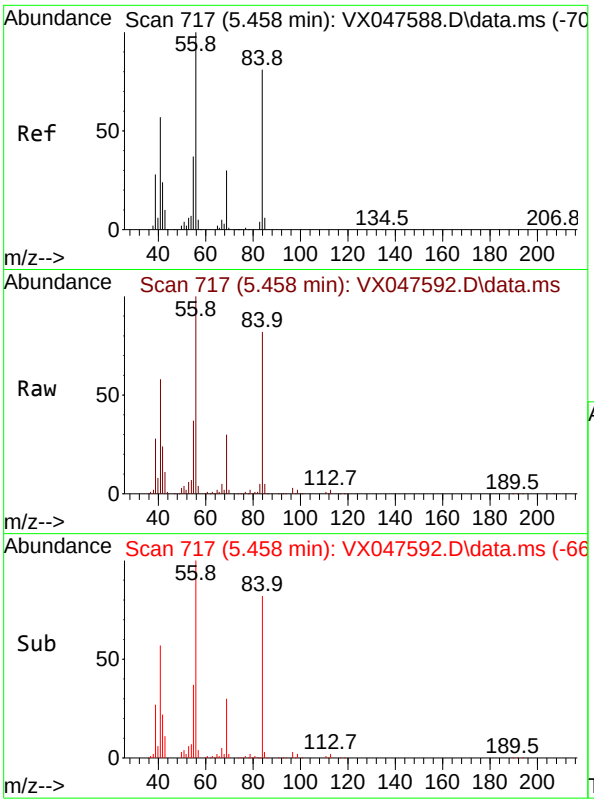


#30
Chloroform
Concen: 48.739 ug/l
RT: 5.074 min Scan# 654
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 83 Resp: 231954

Ion	Ratio	Lower	Upper
83	100		
85	65.6	51.8	77.6



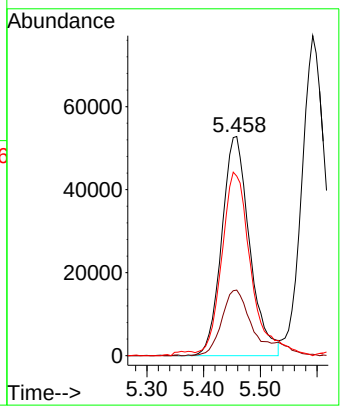


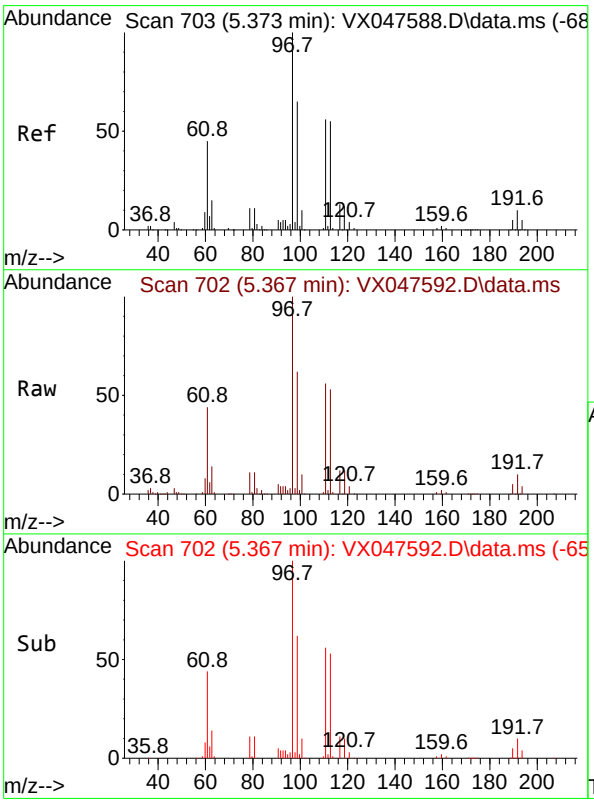
#31
Cyclohexane
Concen: 45.999 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion: 56 Resp: 180430

Ion	Ratio	Lower	Upper
56	100		
69	29.6	23.8	35.8
84	80.3	64.6	97.0

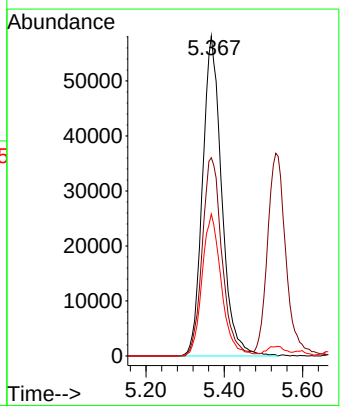


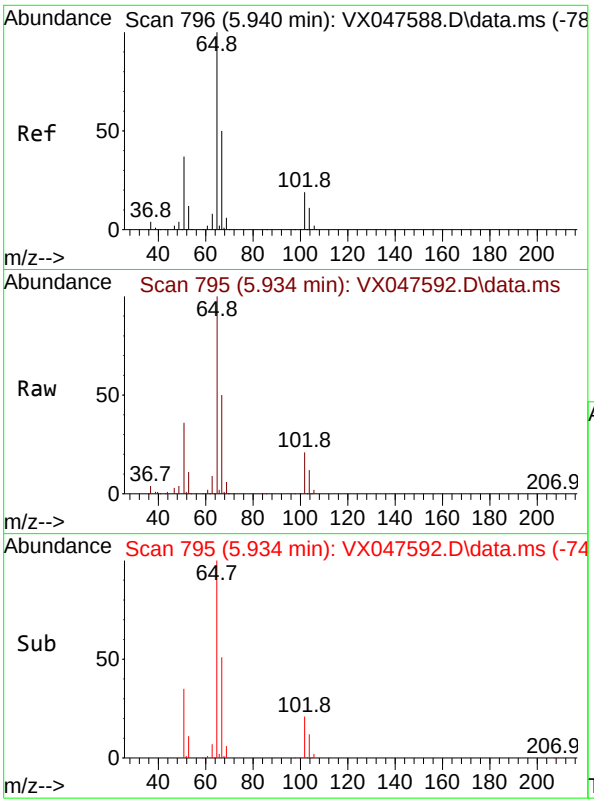


#32
1,1,1-Trichloroethane
Concen: 48.978 ug/l
RT: 5.367 min Scan# 702
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 97 Resp: 197711

Ion	Ratio	Lower	Upper
97	100		
99	63.5	50.6	76.0
61	44.6	35.8	53.8



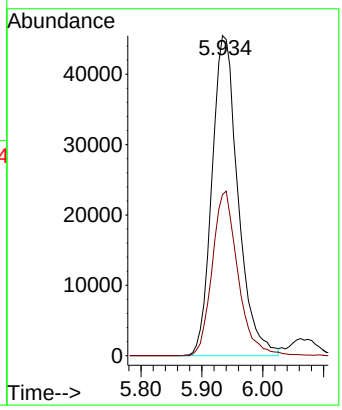


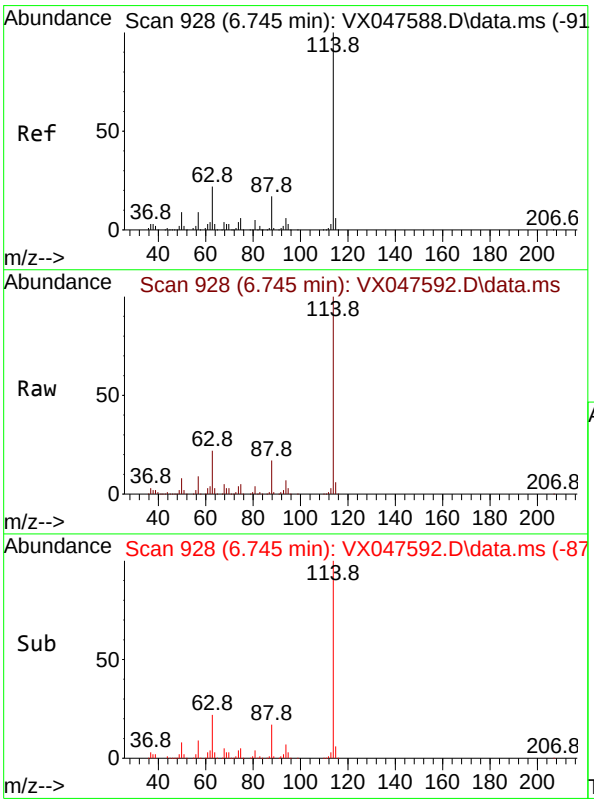
#33
1,2-Dichloroethane-d4
Concen: 45.550 ug/l
RT: 5.934 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion: 65 Resp: 135209

Ion	Ratio	Lower	Upper
65	100		
67	50.8	0.0	103.0

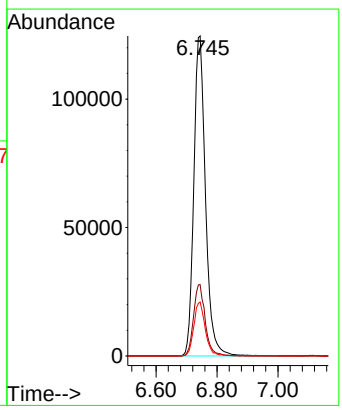


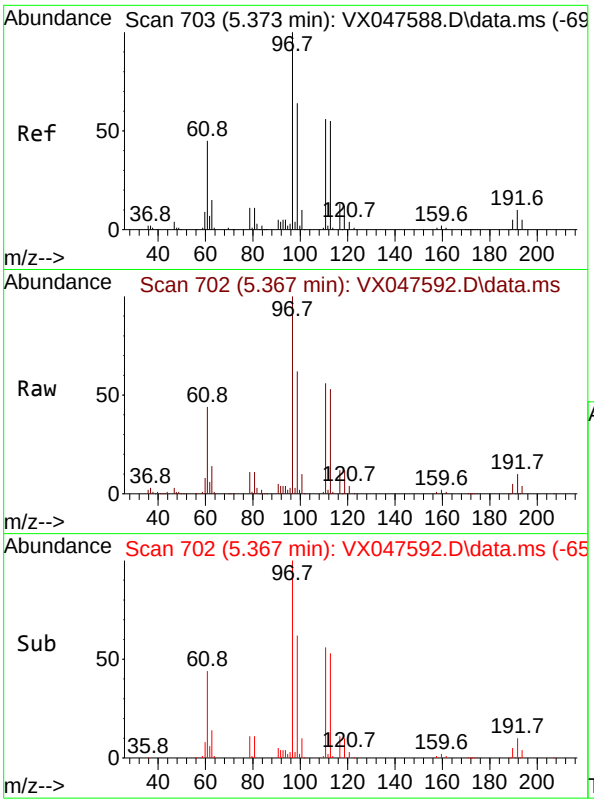


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 928
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:114 Resp: 331837

Ion	Ratio	Lower	Upper
114	100		
63	22.3	0.0	44.0
88	16.8	0.0	34.2



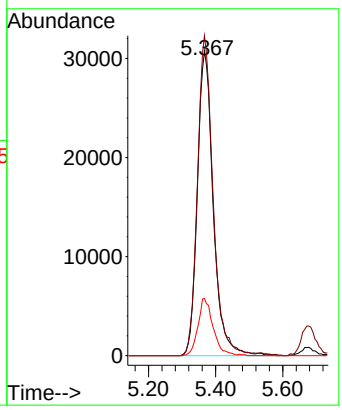


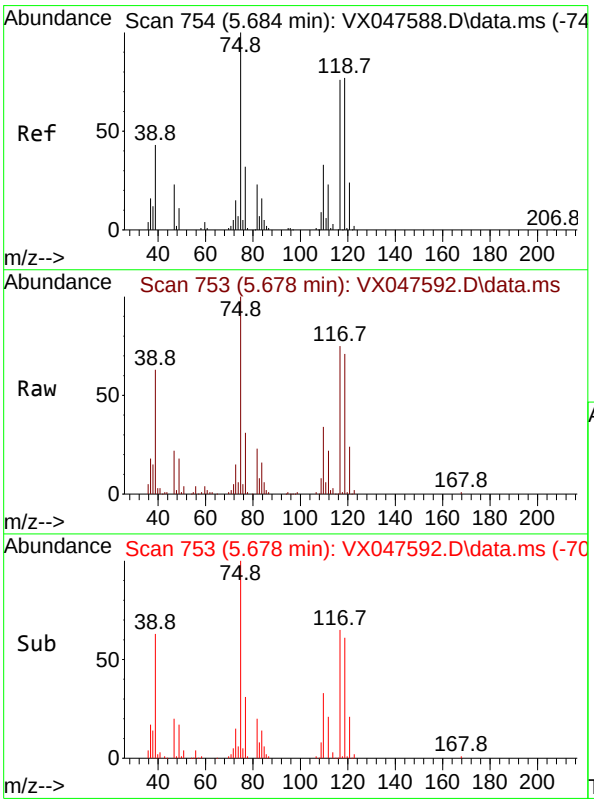
#35
Dibromofluoromethane
Concen: 45.559 ug/l
RT: 5.367 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion:113 Resp: 101390

Ion	Ratio	Lower	Upper
113	100		
111	103.2	80.9	121.3
192	17.9	14.2	21.4

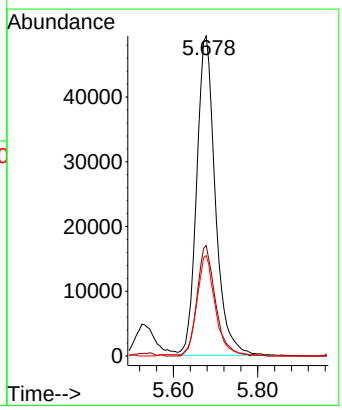


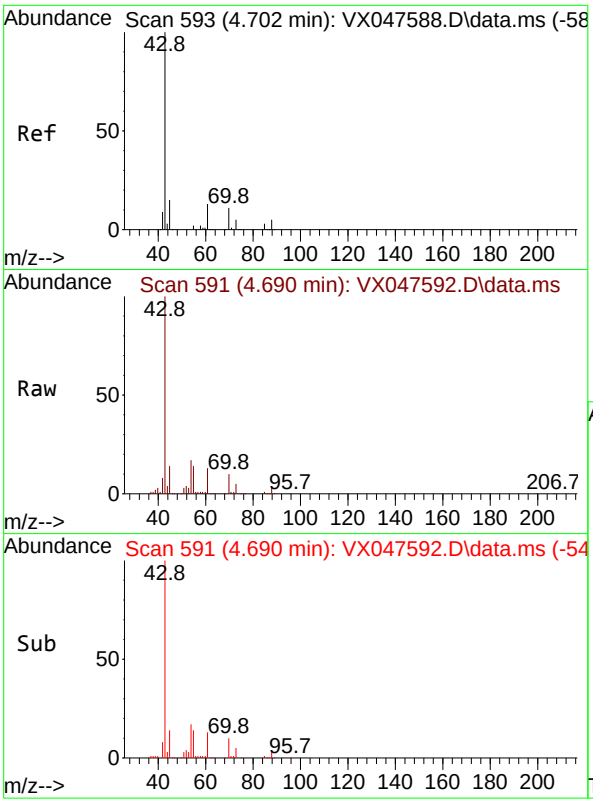


#36
1,1-Dichloropropene
Concen: 46.663 ug/l
RT: 5.678 min Scan# 753
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 75 Resp: 151745

Ion	Ratio	Lower	Upper
75	100		
110	33.9	16.7	50.1
77	31.0	24.3	36.5



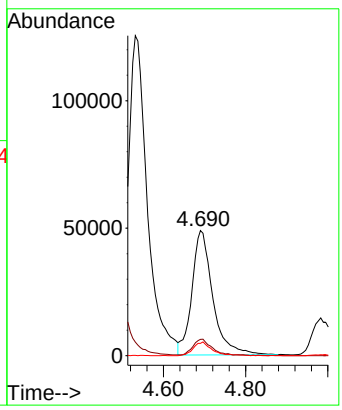


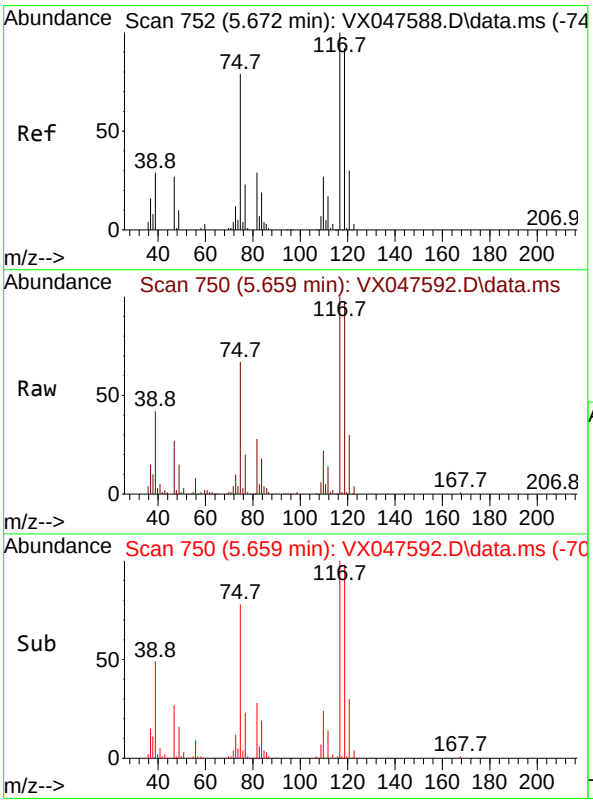
#37
Ethyl Acetate
Concen: 49.241 ug/l
RT: 4.690 min Scan# 5
Delta R.T. -0.012 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion: 43 Resp: 171454

Ion	Ratio	Lower	Upper
43	100		
61	10.8	9.8	14.8
70	9.8	7.9	11.9

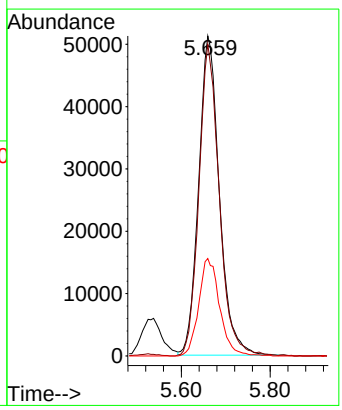


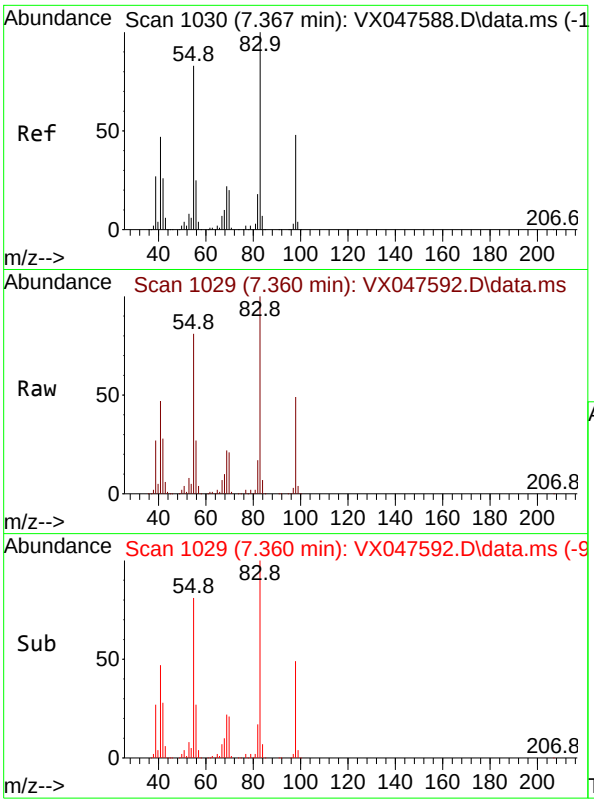


#38
Carbon Tetrachloride
Concen: 46.935 ug/l
RT: 5.659 min Scan# 750
Delta R.T. -0.012 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:117 Resp: 165834

Ion	Ratio	Lower	Upper
117	100		
119	97.6	73.4	110.2
121	30.5	23.8	35.6



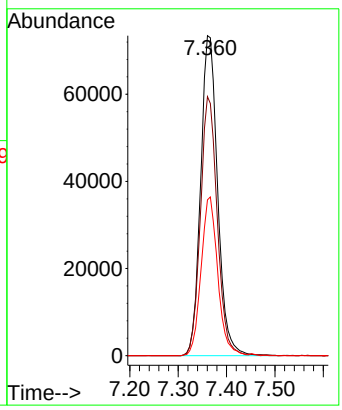


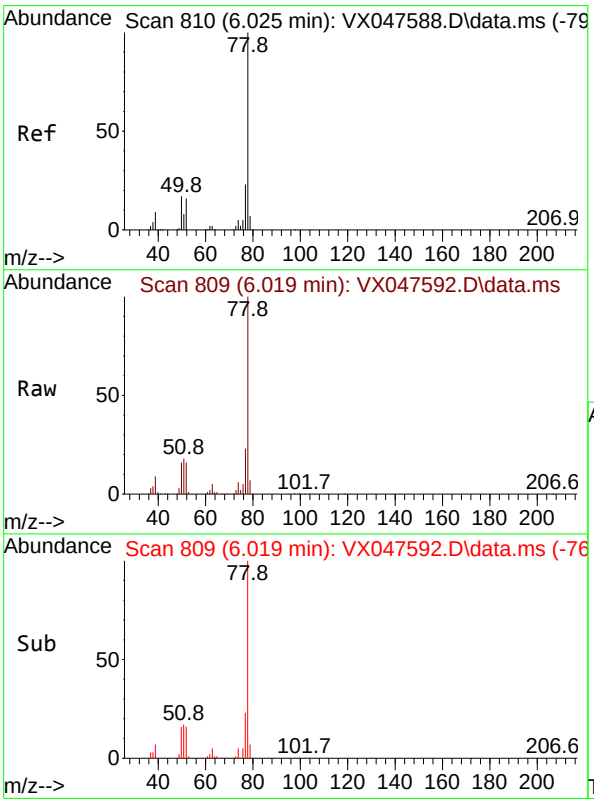
#39
Methylcyclohexane
Concen: 48.597 ug/l
RT: 7.360 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion: 83 Resp: 179392

Ion	Ratio	Lower	Upper
83	100		
55	81.0	66.4	99.6
98	48.7	38.1	57.1

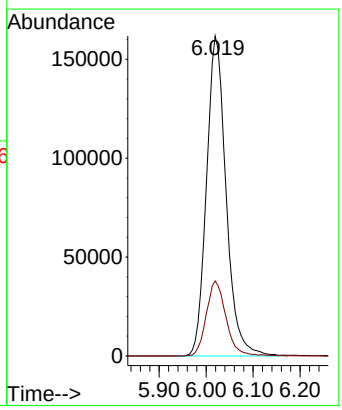


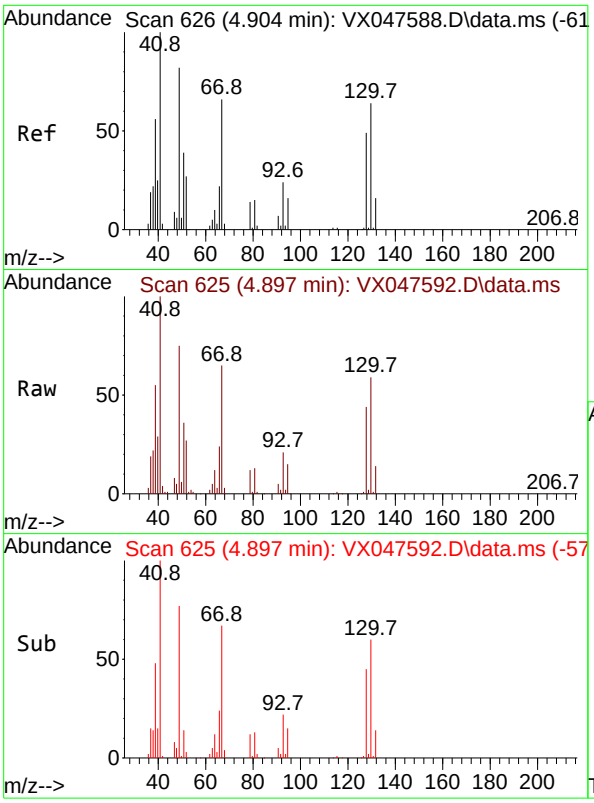


#40
Benzene
Concen: 47.357 ug/l
RT: 6.019 min Scan# 809
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 78 Resp: 467748

Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.8	28.2



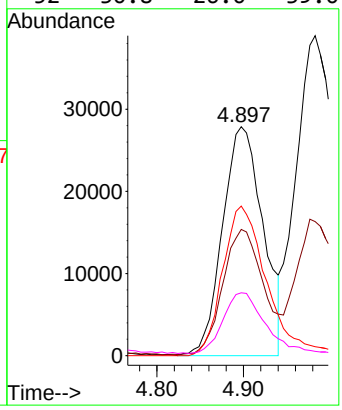


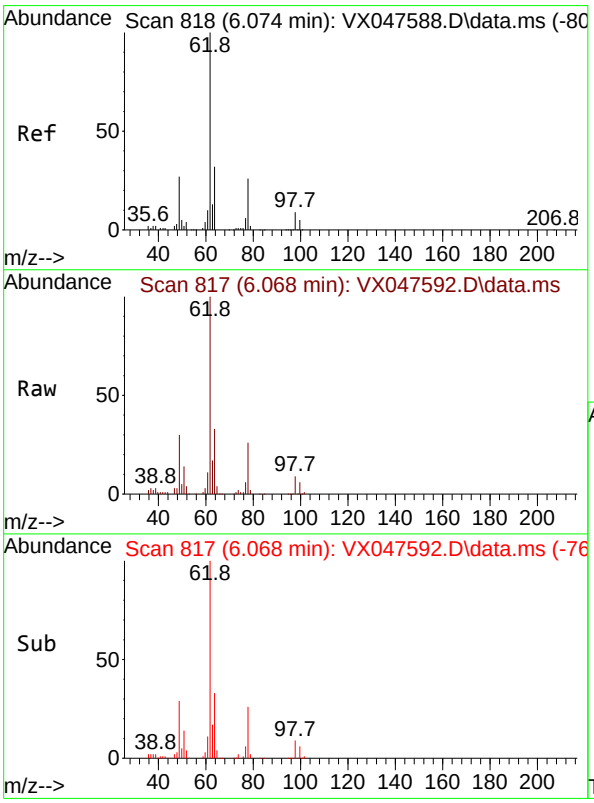
#41
Methacrylonitrile
Concen: 50.490 ug/l
RT: 4.897 min Scan# 6
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion: 41 Resp: 90758

Ion	Ratio	Lower	Upper
41	100		
39	55.9	43.3	64.9
67	72.5	58.6	87.8
52	30.8	26.0	39.0

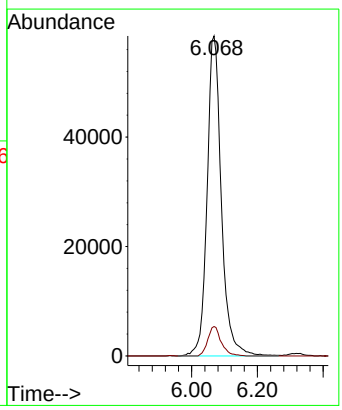


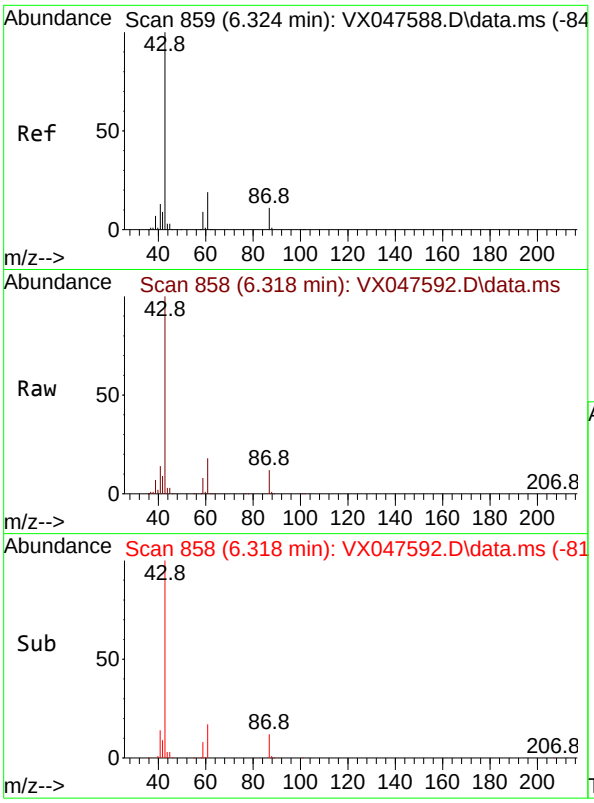


#42
1,2-Dichloroethane
Concen: 46.867 ug/l
RT: 6.068 min Scan# 817
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 62 Resp: 176131

Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	17.0



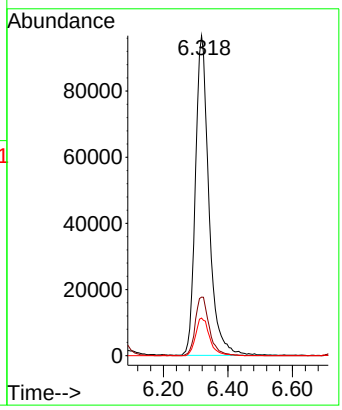


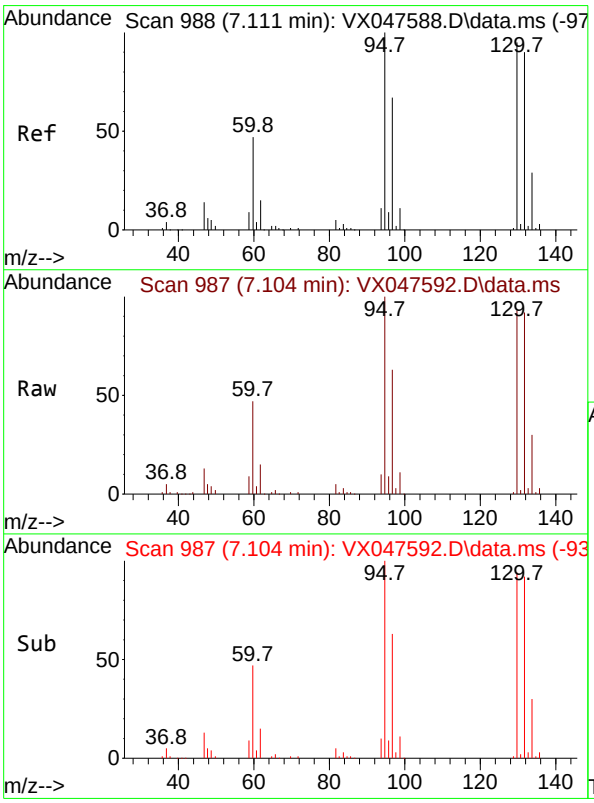
#43
Isopropyl Acetate
Concen: 49.136 ug/l
RT: 6.318 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion: 43 Resp: 280595

Ion	Ratio	Lower	Upper
43	100		
61	19.1	15.2	22.8
87	12.2	9.6	14.4

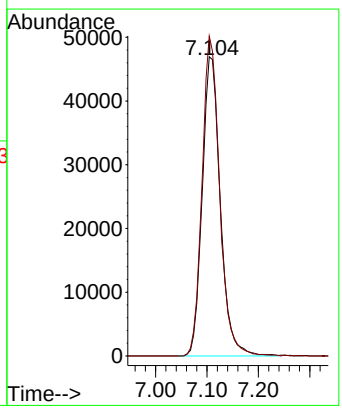


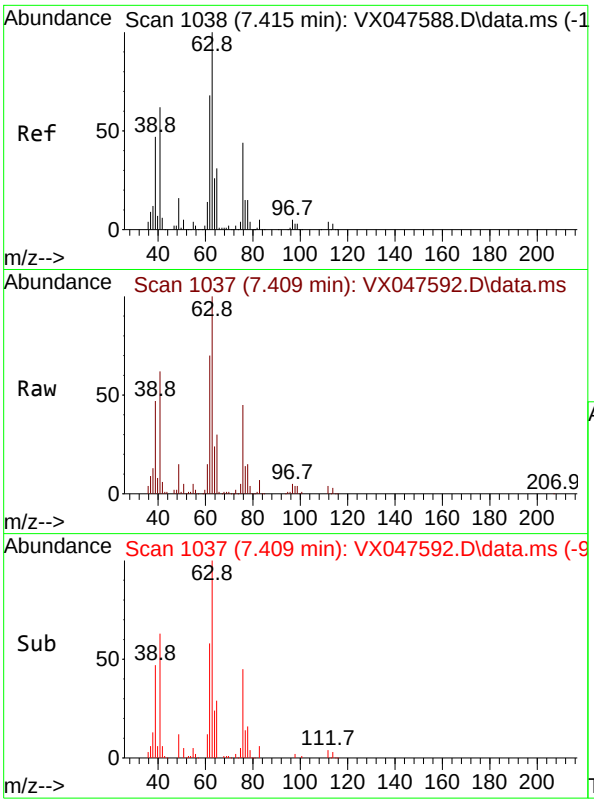


#44
Trichloroethene
Concen: 48.037 ug/l
RT: 7.104 min Scan# 987
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:130 Resp: 114708

Ion	Ratio	Lower	Upper
130	100		
95	107.0	0.0	210.8



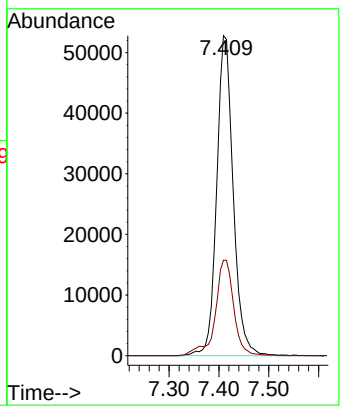


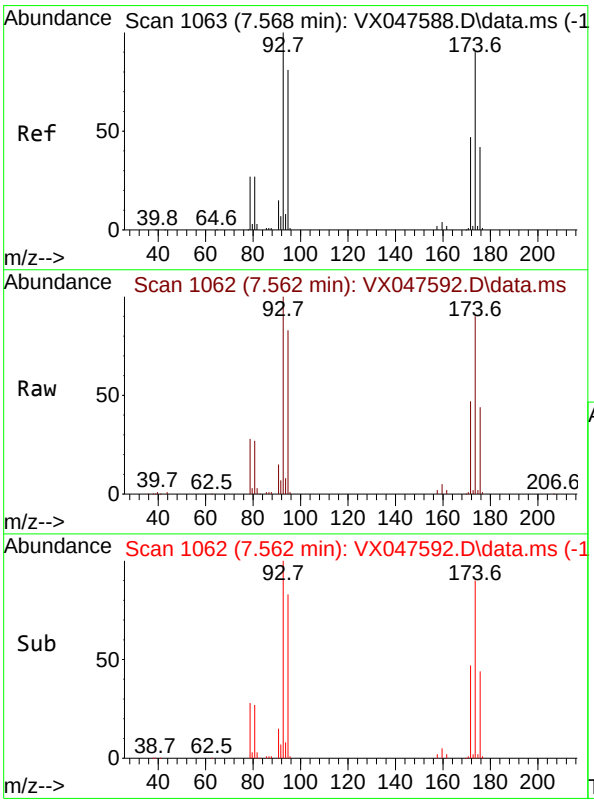
#45
1,2-Dichloropropane
Concen: 48.053 ug/l
RT: 7.409 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion: 63 Resp: 121532

Ion	Ratio	Lower	Upper
63	100		
65	29.8	24.7	37.1

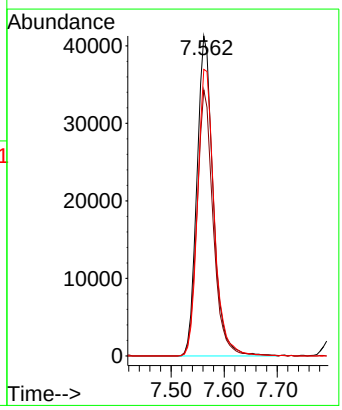


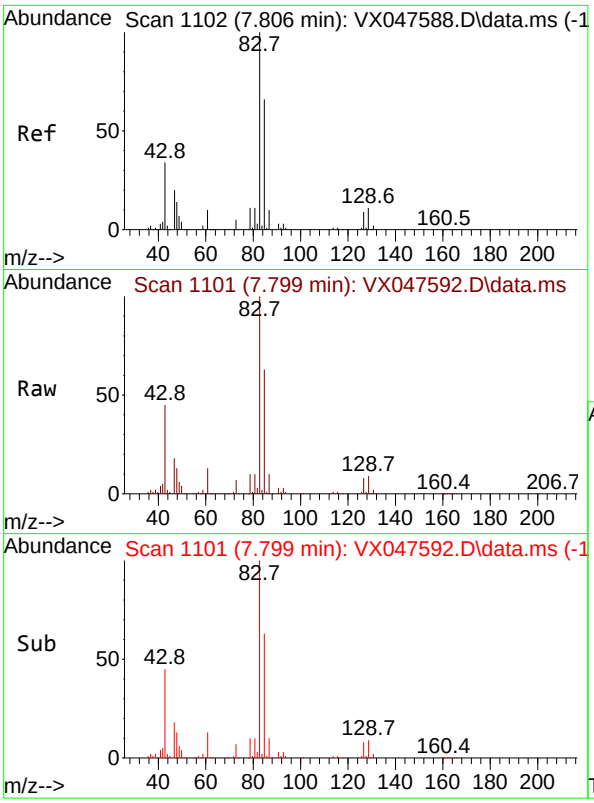


#46
Dibromomethane
Concen: 47.976 ug/l
RT: 7.562 min Scan# 1062
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 93 Resp: 88297

Ion	Ratio	Lower	Upper
93	100		
95	82.3	65.0	97.6
174	91.3	71.6	107.4



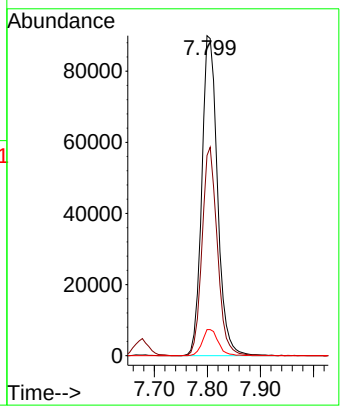


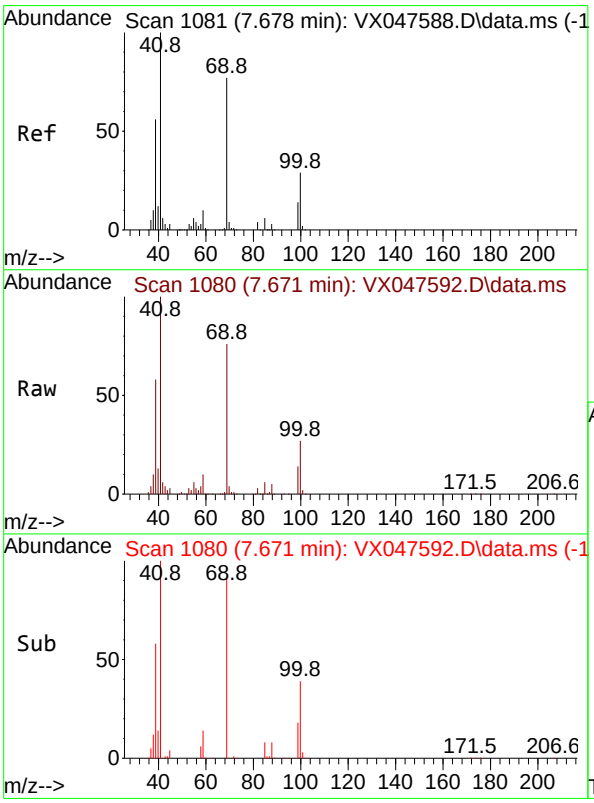
#47
Bromodichloromethane
Concen: 48.769 ug/l
RT: 7.799 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion: 83 Resp: 185219

Ion	Ratio	Lower	Upper
83	100		
85	62.5	52.5	78.7
127	8.1	6.9	10.3

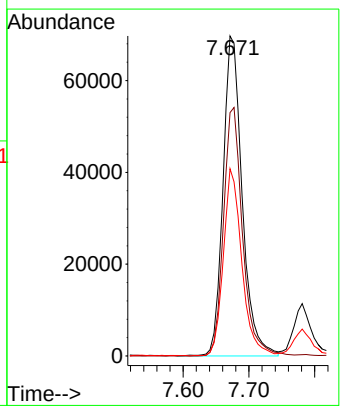


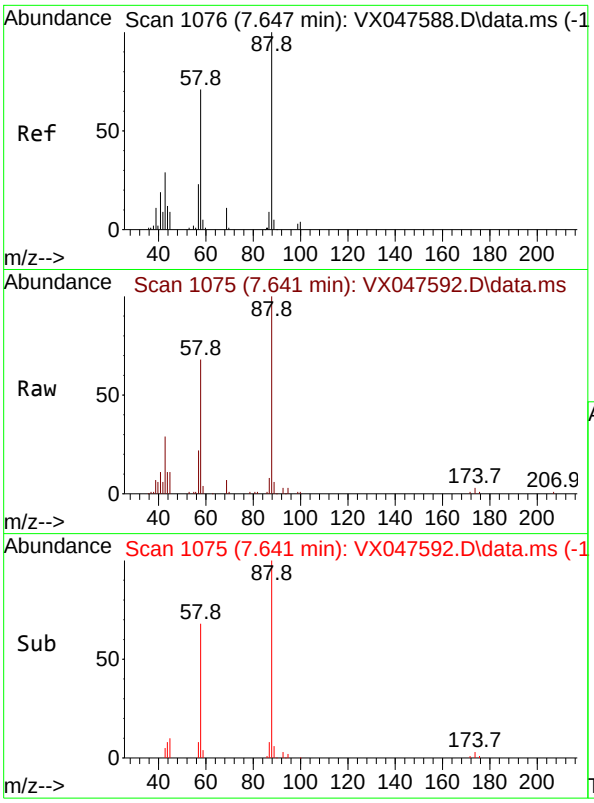


#48
Methyl methacrylate
Concen: 49.757 ug/l
RT: 7.671 min Scan# 1080
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 41 Resp: 141532

Ion	Ratio	Lower	Upper
41	100		
69	77.1	61.4	92.2
39	56.4	45.8	68.6



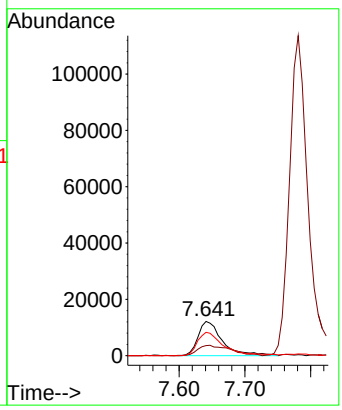


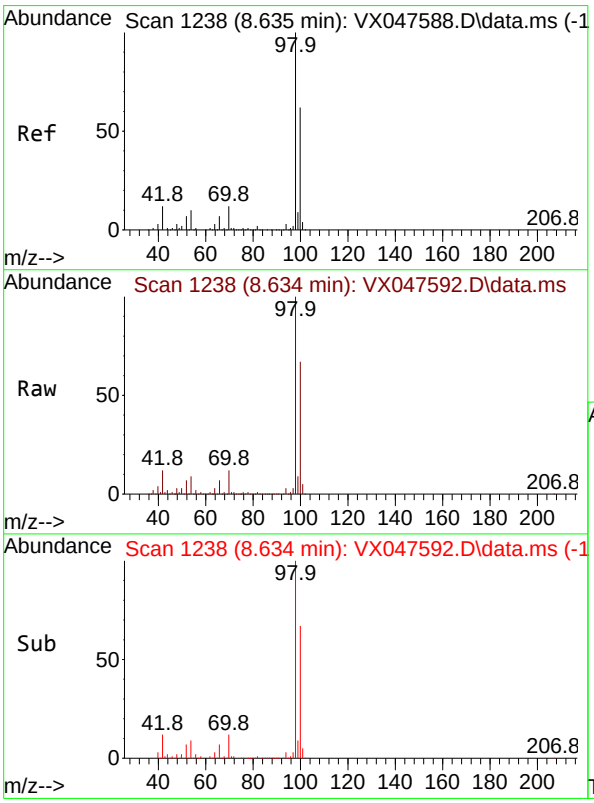
#49
1,4-Dioxane
Concen: 1089.520 ug/l
RT: 7.641 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion: 88 Resp: 31320

Ion	Ratio	Lower	Upper
88	100		
43	40.9	30.2	45.2
58	74.1	59.5	89.3

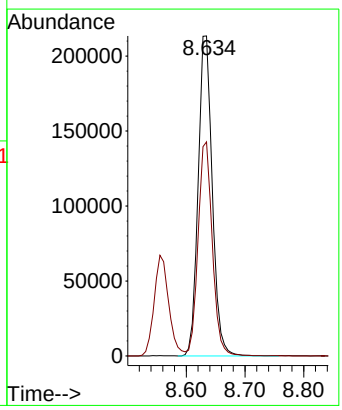


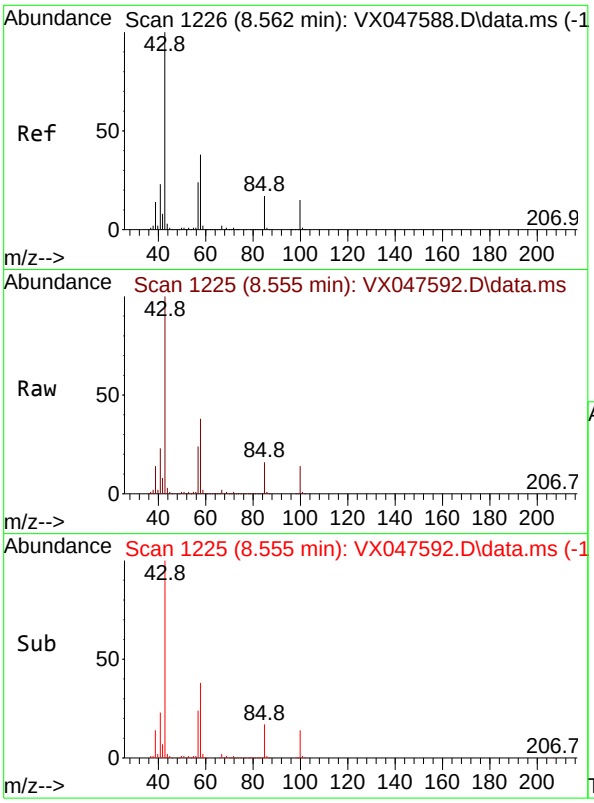


#50
Toluene-d8
Concen: 46.411 ug/l
RT: 8.634 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 98 Resp: 357393

Ion	Ratio	Lower	Upper
98	100		
100	67.2	53.0	79.4



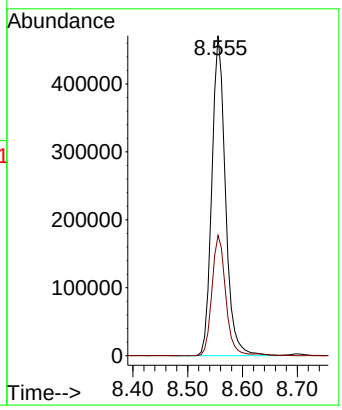


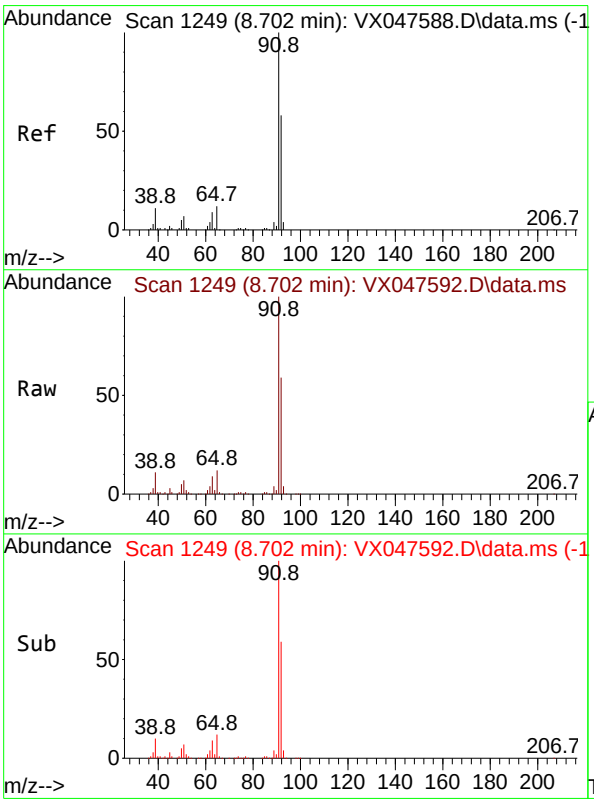
#51
4-Methyl-2-Pentanone
Concen: 255.752 ug/l
RT: 8.555 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion: 43 Resp: 809759

Ion	Ratio	Lower	Upper
43	100		
58	37.9	30.3	45.5

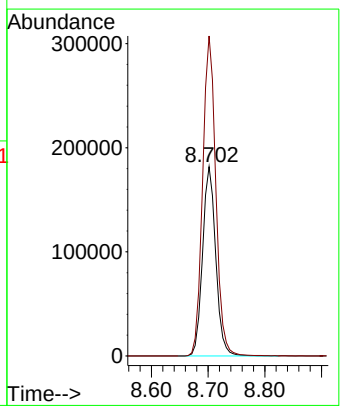


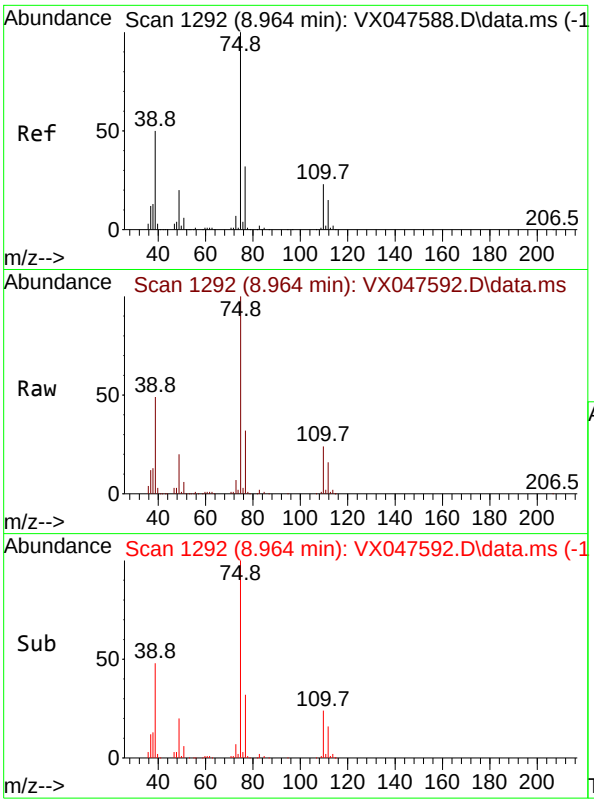


#52
Toluene
Concen: 48.130 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 92 Resp: 292879

Ion	Ratio	Lower	Upper
92	100		
91	169.4	137.1	205.7



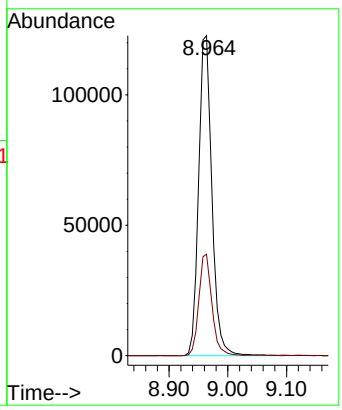


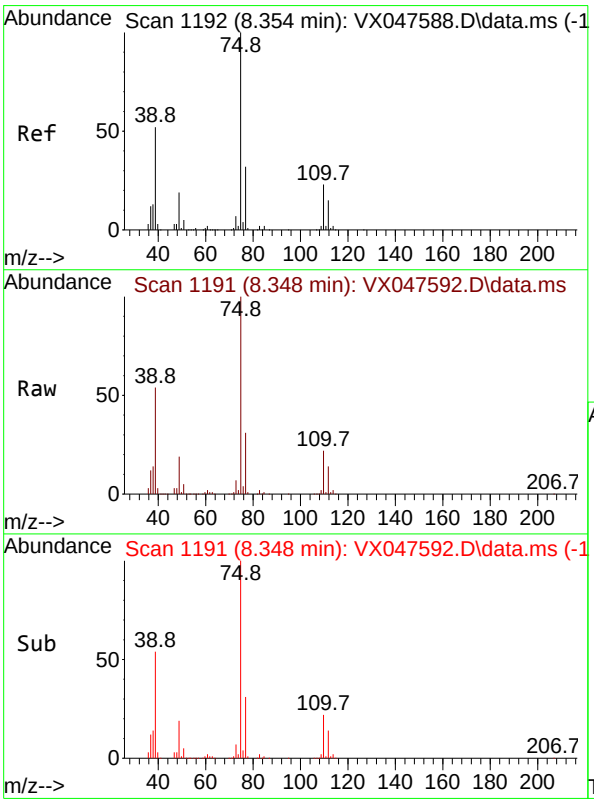
#53
t-1,3-Dichloropropene
Concen: 49.527 ug/l
RT: 8.964 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion: 75 Resp: 191863

Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.4	38.2

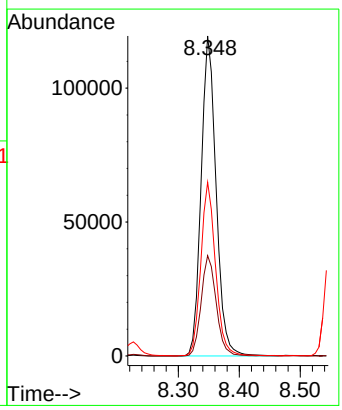


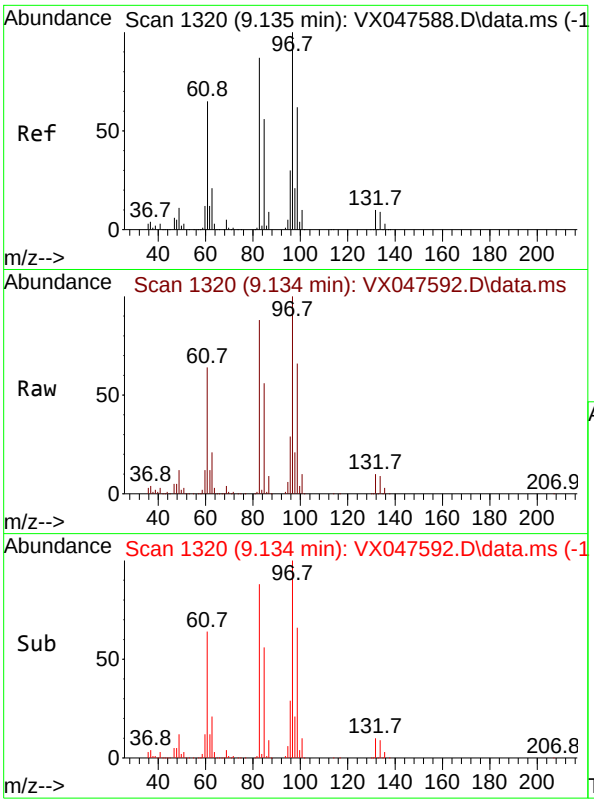


#54
cis-1,3-Dichloropropene
Concen: 49.257 ug/l
RT: 8.348 min Scan# 1191
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 75 Resp: 203954

Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.8	38.6
39	54.2	41.4	62.2



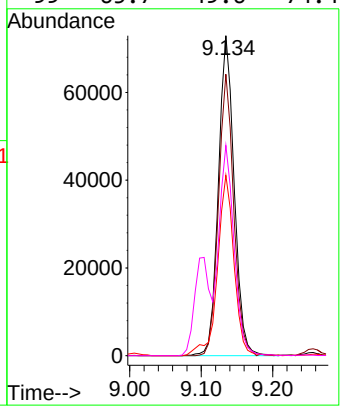


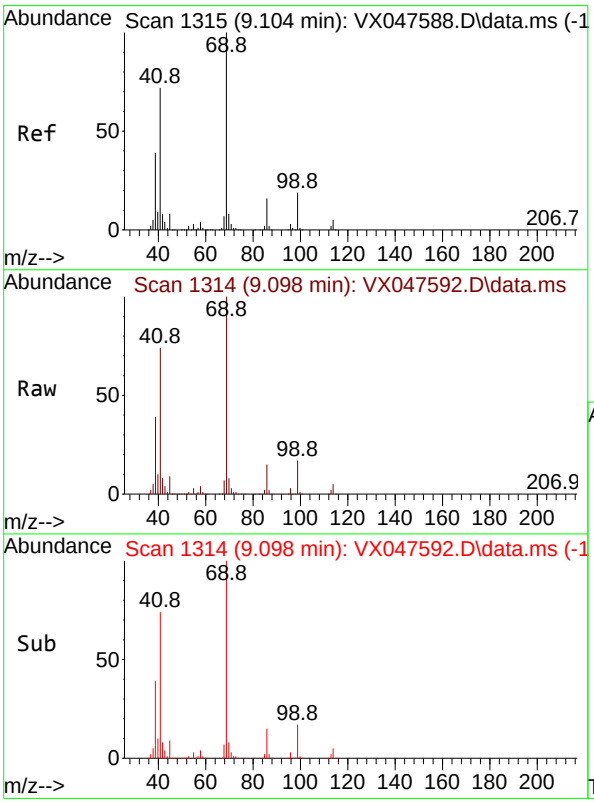
#55
1,1,2-Trichloroethane
Concen: 47.772 ug/l
RT: 9.134 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion: 97 Resp: 112094

Ion	Ratio	Lower	Upper
97	100		
83	87.9	69.6	104.4
85	56.4	45.0	67.6
99	65.7	49.6	74.4

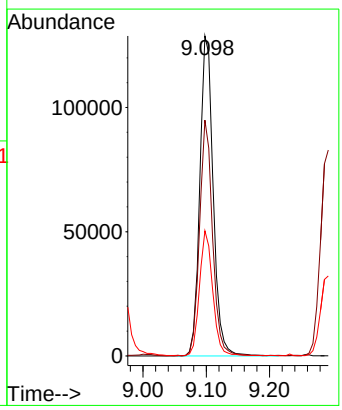


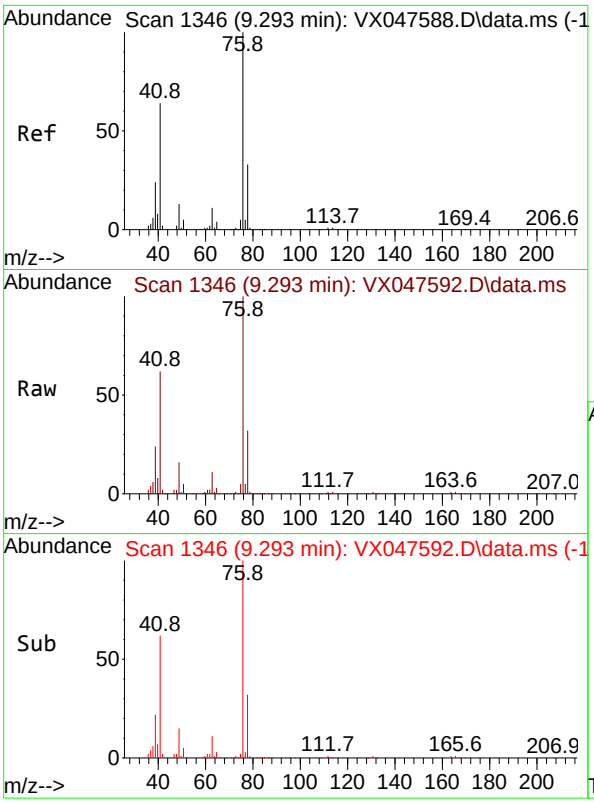


#56
Ethyl methacrylate
Concen: 51.490 ug/l
RT: 9.098 min Scan# 1314
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 69 Resp: 189741

Ion	Ratio	Lower	Upper
69	100		
41	71.7	58.6	87.8
39	39.0	31.5	47.3



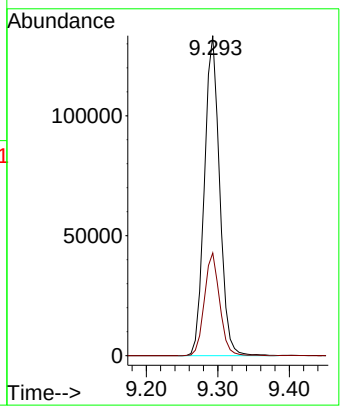


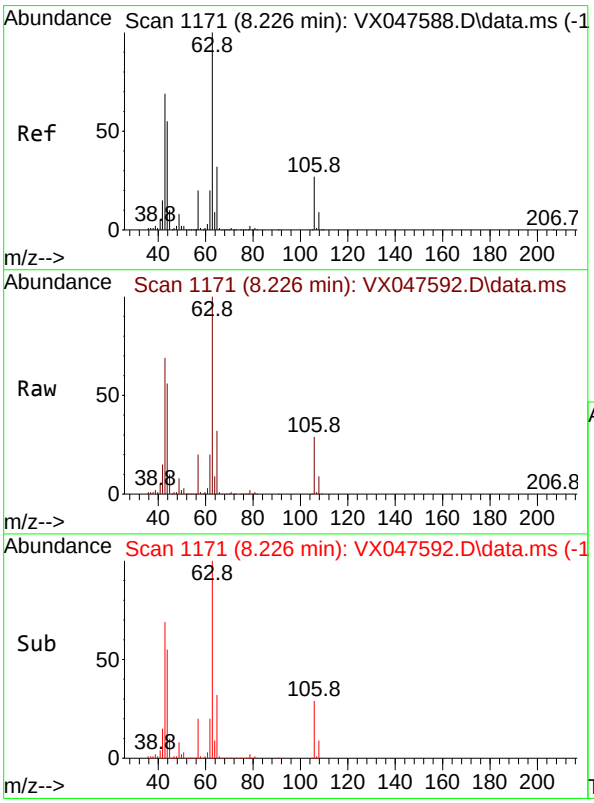
#57
1,3-Dichloropropane
Concen: 48.894 ug/l
RT: 9.293 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion: 76 Resp: 197079

Ion	Ratio	Lower	Upper
76	100		
78	32.2	26.2	39.4

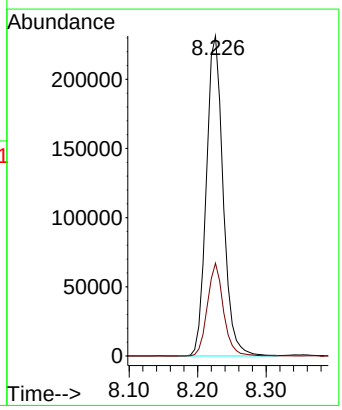


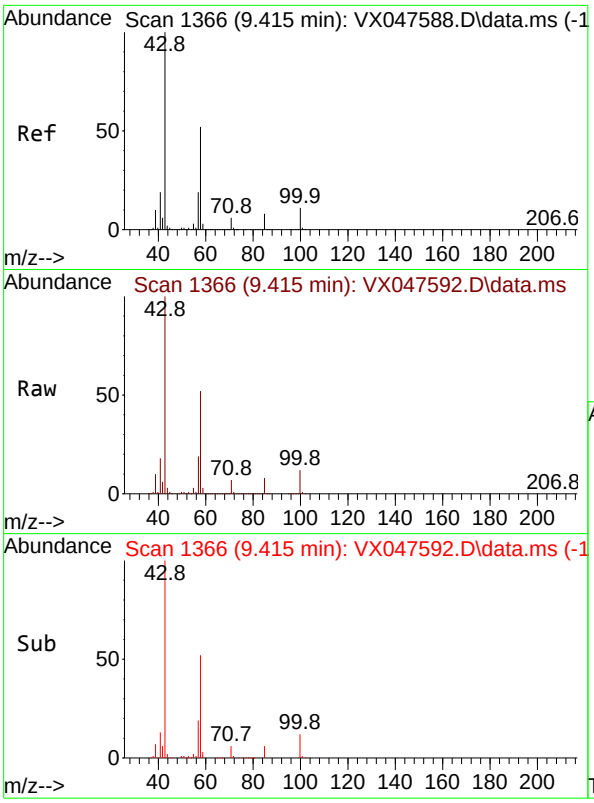


#58
2-Chloroethyl Vinyl ether
Concen: 225.562 ug/l
RT: 8.226 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 63 Resp: 394205

Ion	Ratio	Lower	Upper
63	100		
106	27.8	21.9	32.9



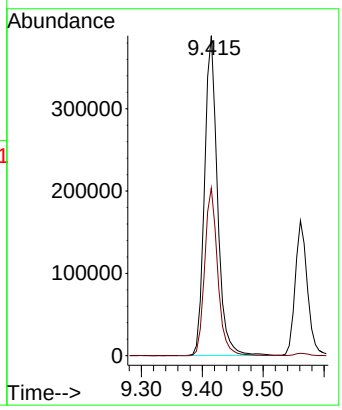


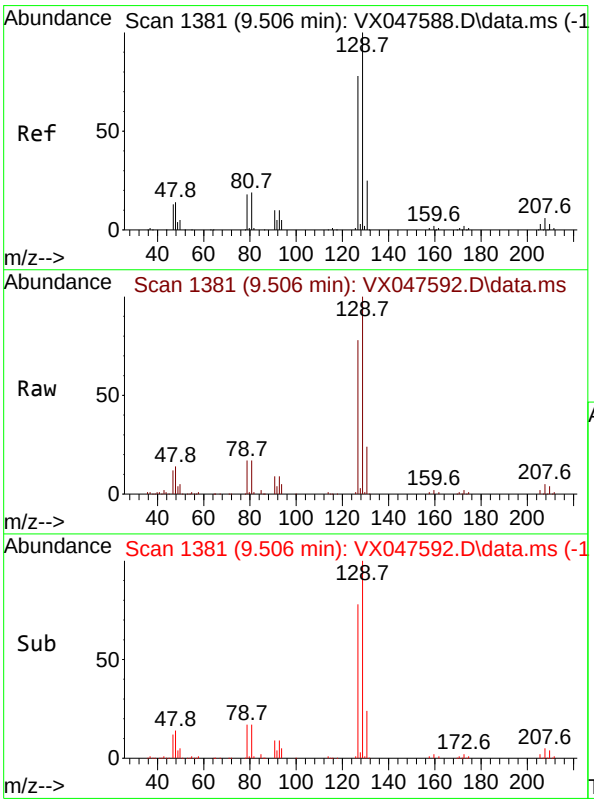
#59
2-Hexanone
Concen: 253.126 ug/l
RT: 9.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion: 43 Resp: 575599

Ion	Ratio	Lower	Upper
43	100		
58	52.6	26.1	78.2

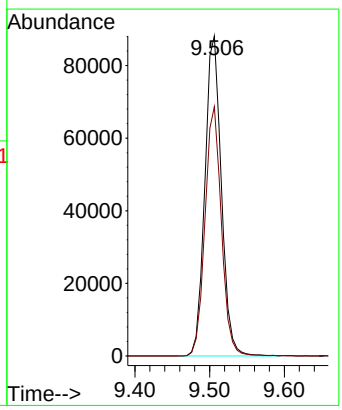


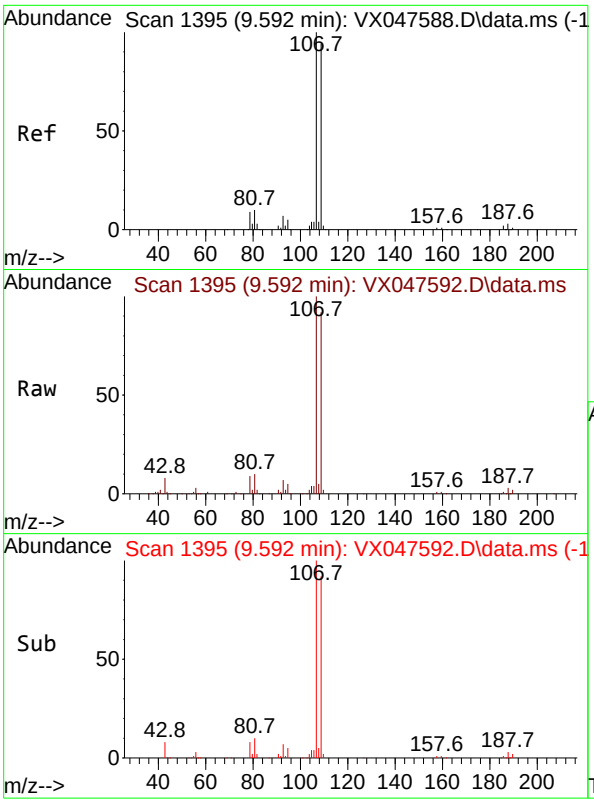


#60
Dibromochloromethane
Concen: 49.824 ug/l
RT: 9.506 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:129 Resp: 134704

Ion	Ratio	Lower	Upper
129	100		
127	77.8	38.4	115.2



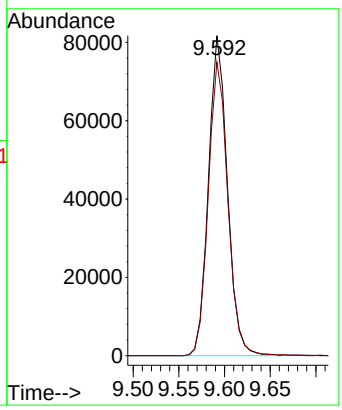


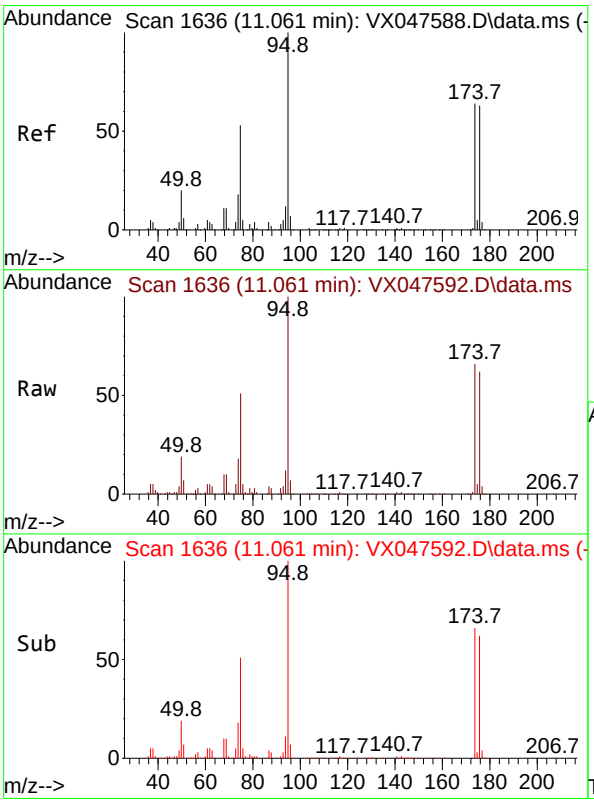
#61
1,2-Dibromoethane
Concen: 49.297 ug/l
RT: 9.592 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion:107 Resp: 117817

Ion	Ratio	Lower	Upper
107	100		
109	94.6	75.3	112.9

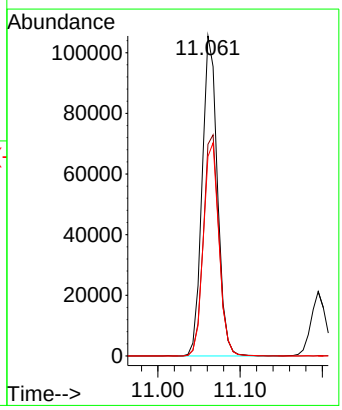


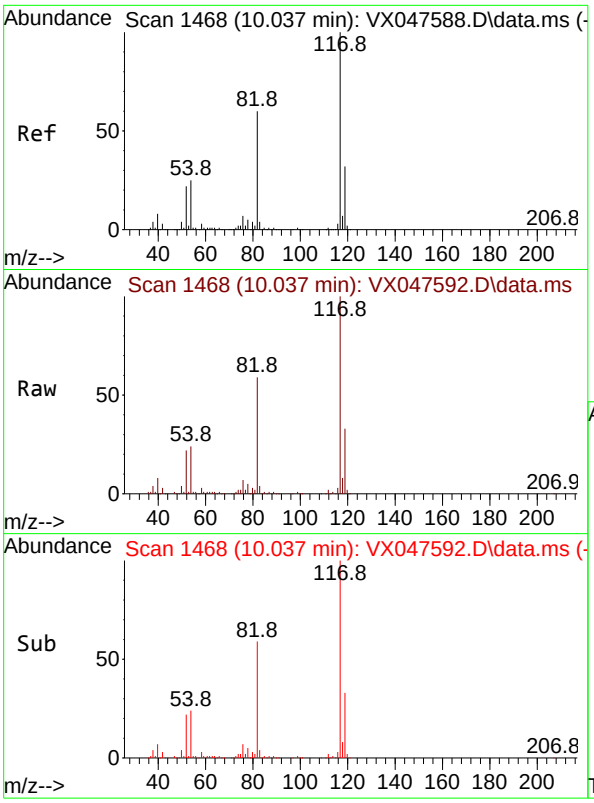


#62
4-Bromofluorobenzene
Concen: 46.520 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 95 Resp: 135957

Ion	Ratio	Lower	Upper
95	100		
174	70.3	0.0	141.6
176	68.0	0.0	138.4



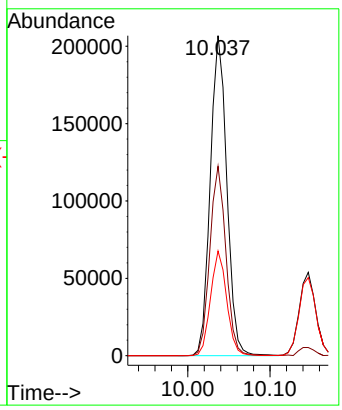


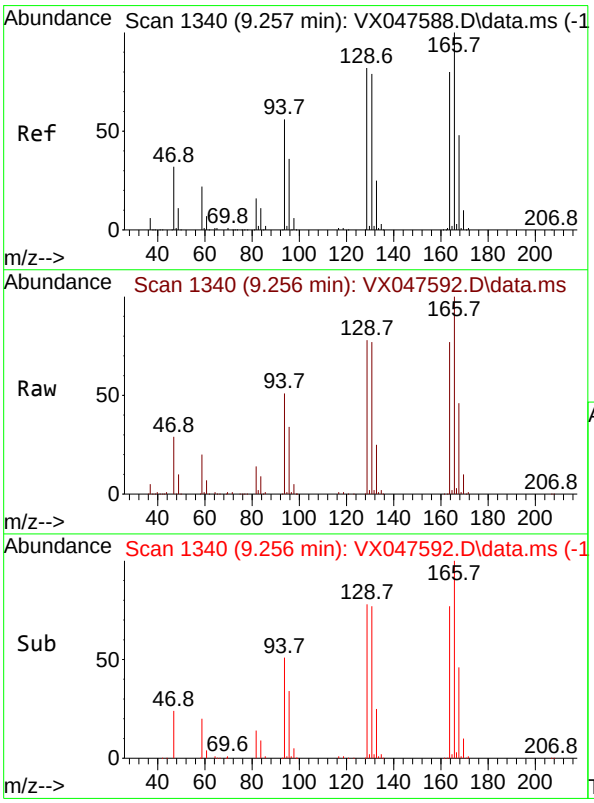
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion:117 Resp: 288660

Ion	Ratio	Lower	Upper
117	100		
82	59.2	47.8	71.6
119	32.7	25.2	37.8

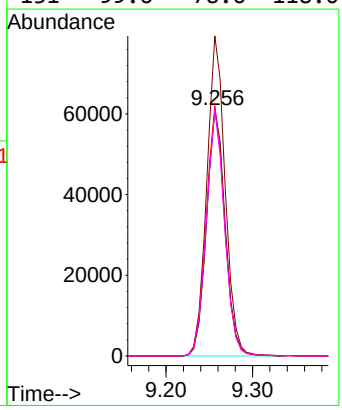


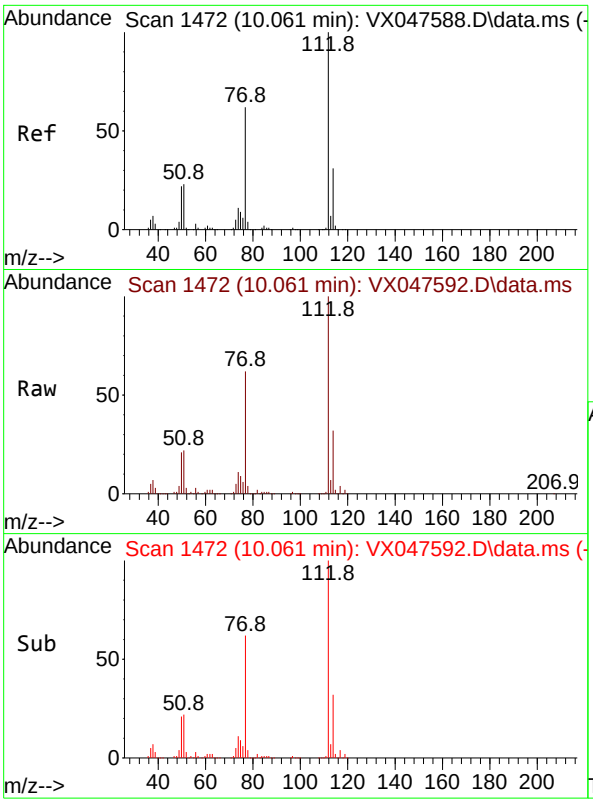


#64
Tetrachloroethene
Concen: 48.296 ug/l
RT: 9.256 min Scan# 1340
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:164 Resp: 90881

Ion	Ratio	Lower	Upper
164	100		
166	129.8	100.2	150.2
129	101.3	81.8	122.6
131	99.6	78.6	118.0



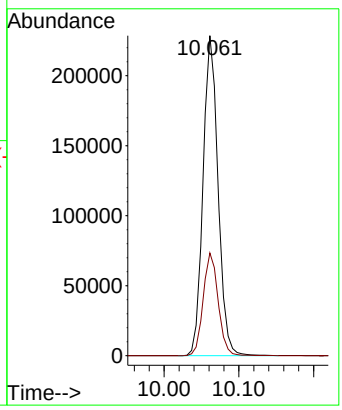


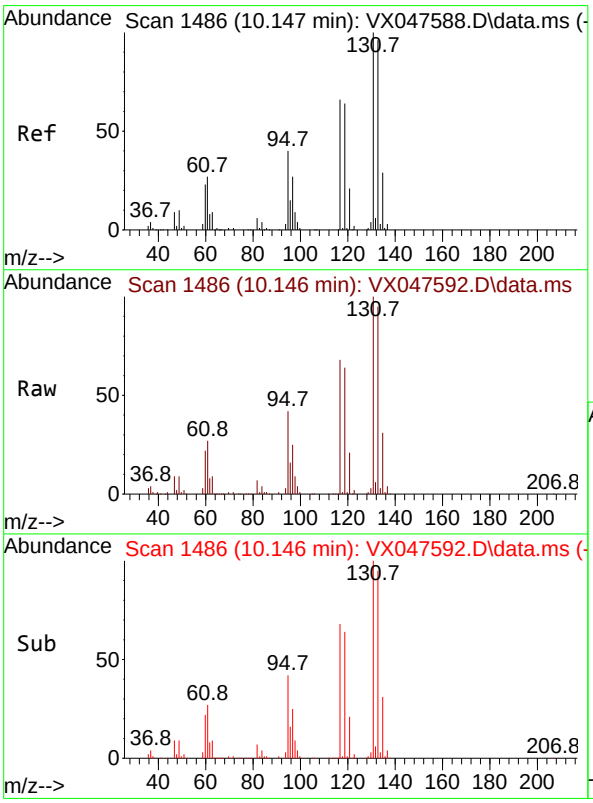
#65
Chlorobenzene
Concen: 48.549 ug/l
RT: 10.061 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion:112 Resp: 318372

Ion	Ratio	Lower	Upper
112	100		
114	32.1	25.1	37.7

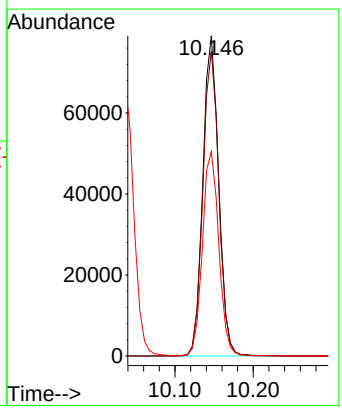


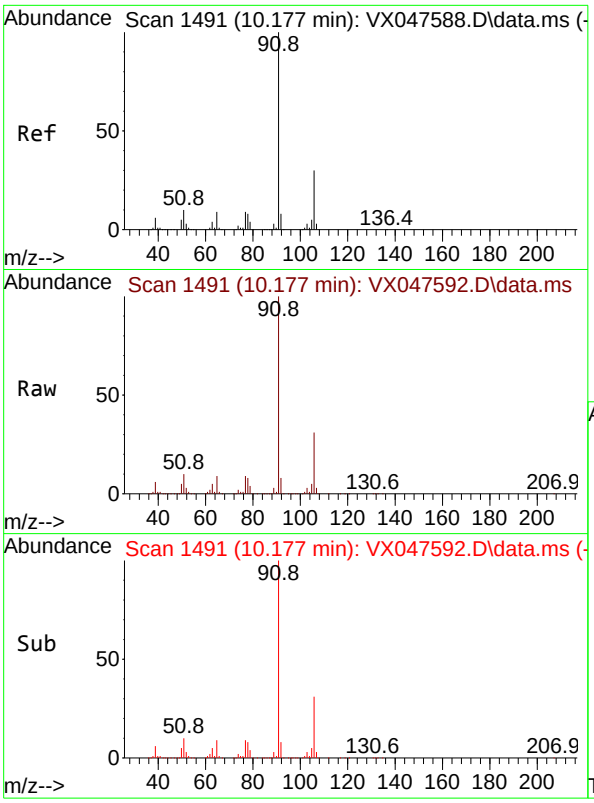


#66
1,1,1,2-Tetrachloroethane
Concen: 48.794 ug/l
RT: 10.146 min Scan# 1486
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:131 Resp: 110416

Ion	Ratio	Lower	Upper
131	100		
133	96.3	47.3	142.0
119	66.3	32.0	96.0



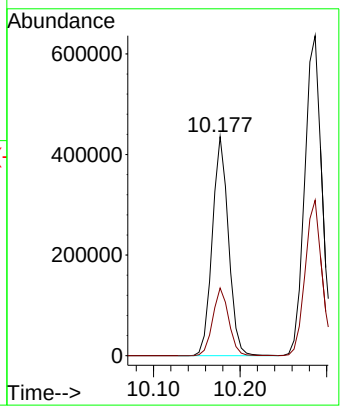


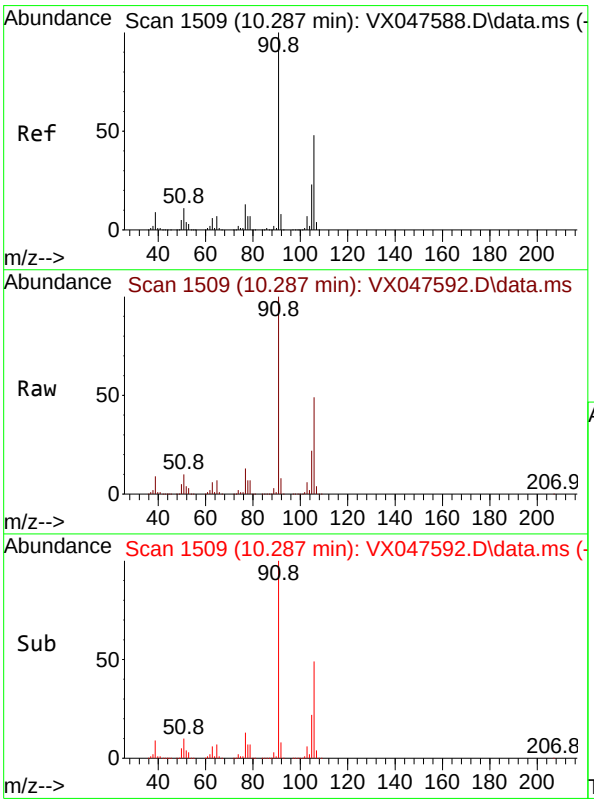
#67
Ethyl Benzene
Concen: 49.813 ug/l
RT: 10.177 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion: 91 Resp: 563634

Ion	Ratio	Lower	Upper
91	100		
106	30.9	24.3	36.5

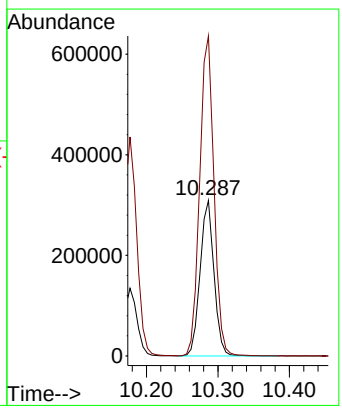


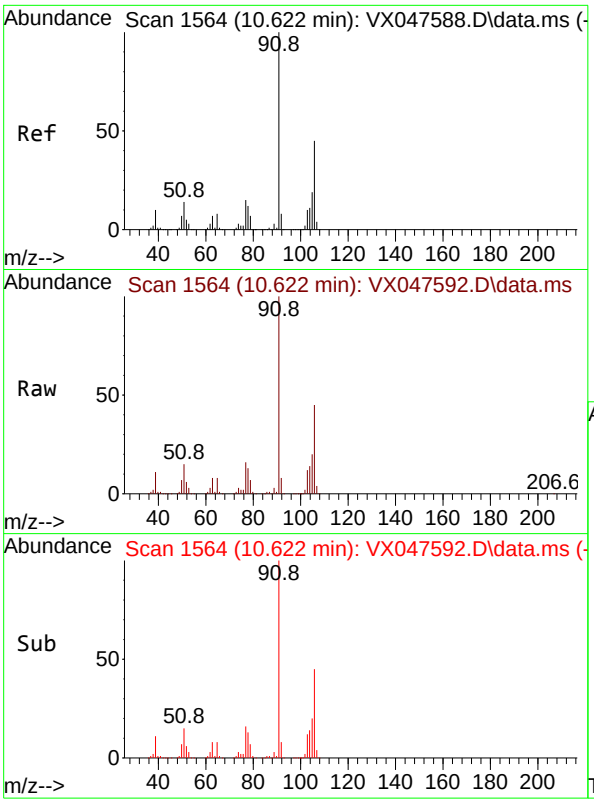


#68
m/p-Xylenes
Concen: 98.956 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:106 Resp: 416757

Ion	Ratio	Lower	Upper
106	100		
91	211.1	167.8	251.8



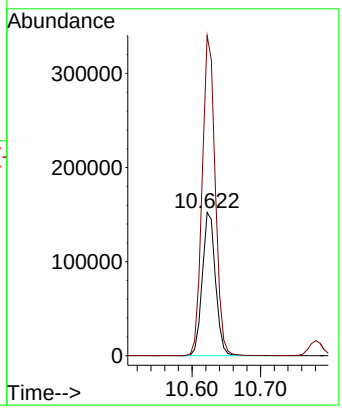


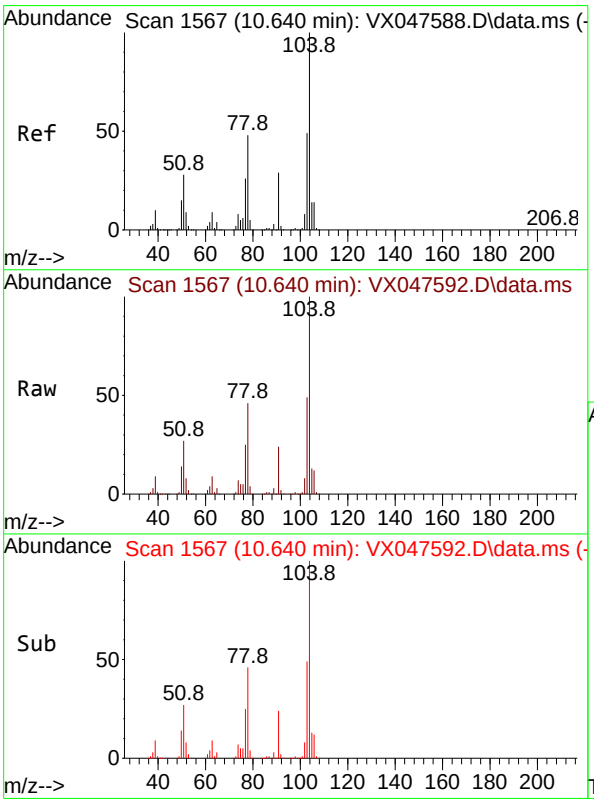
#69
o-Xylene
Concen: 50.159 ug/l
RT: 10.622 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion:106 Resp: 204323

Ion	Ratio	Lower	Upper
106	100		
91	221.0	111.1	333.4

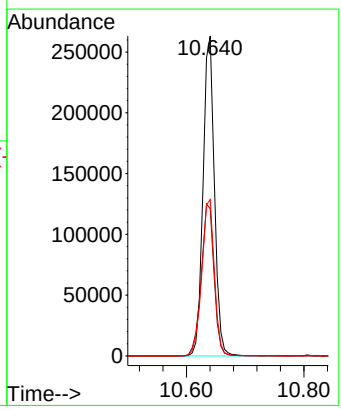


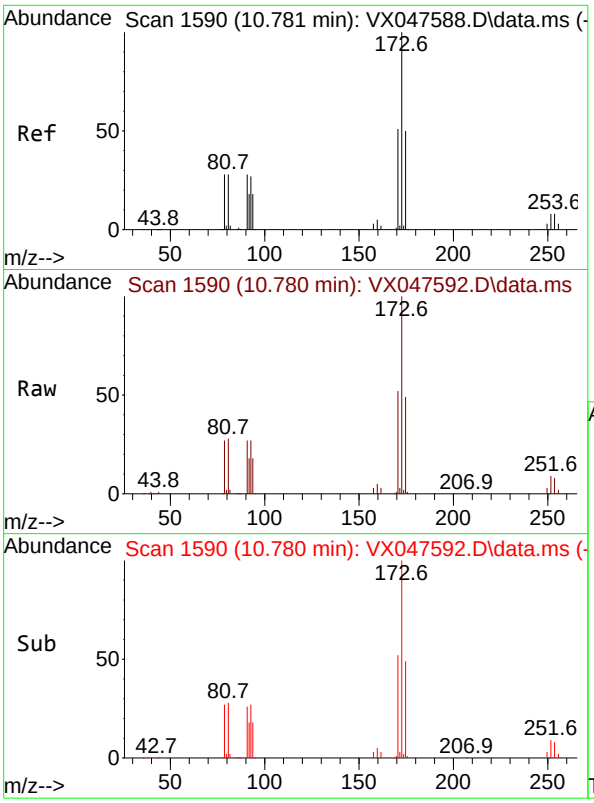


#70
Styrene
Concen: 49.536 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:104 Resp: 353567

Ion	Ratio	Lower	Upper
104	100		
78	53.4	43.1	64.7
103	54.3	43.1	64.7



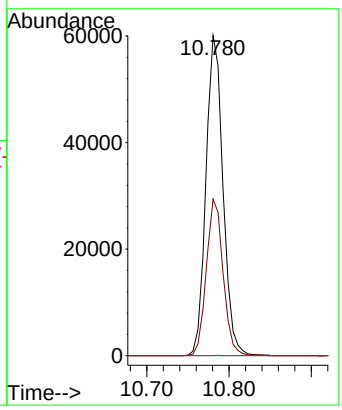


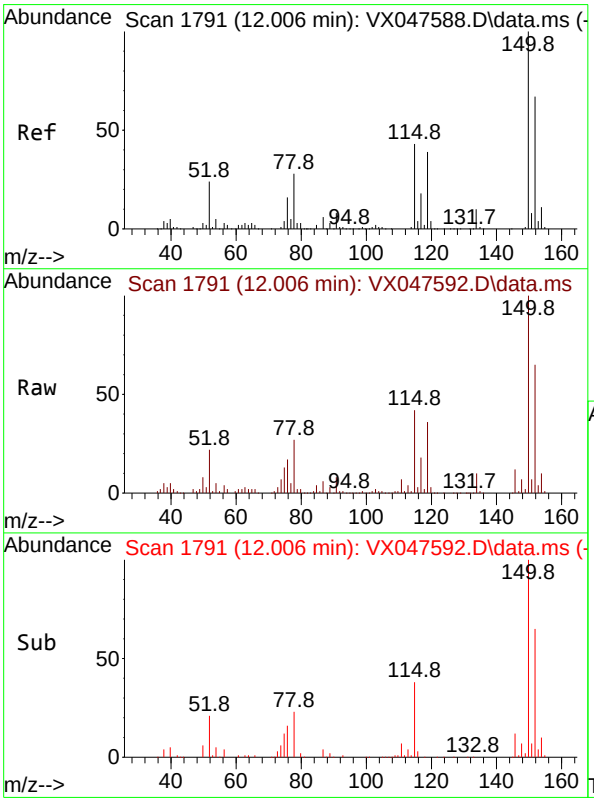
#71
Bromoform
Concen: 51.207 ug/l
RT: 10.780 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion:173 Resp: 86524

Ion	Ratio	Lower	Upper
173	100		
175	48.2	24.9	74.6
254	0.0	0.1	0.1#

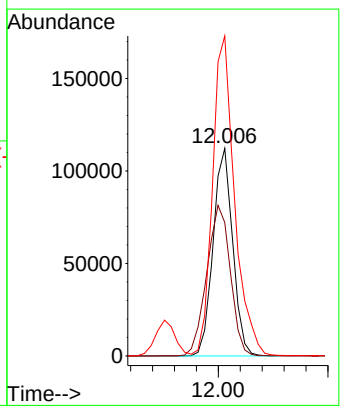


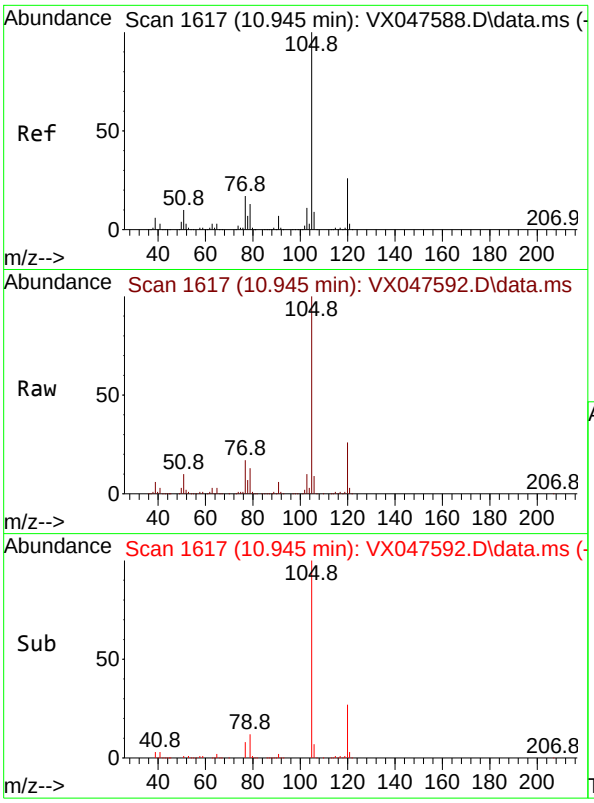


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:152 Resp: 139252

Ion	Ratio	Lower	Upper
152	100		
115	87.5	44.9	134.5
150	173.5	0.0	352.0



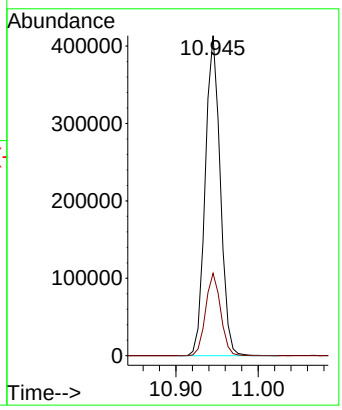


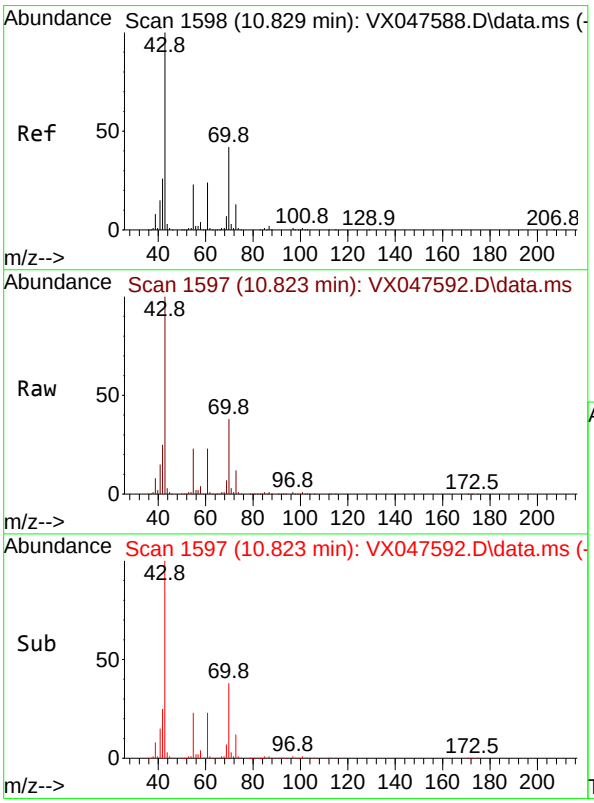
#73
Isopropylbenzene
Concen: 49.479 ug/l
RT: 10.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion:105 Resp: 523826

Ion	Ratio	Lower	Upper
105	100		
120	25.7	12.8	38.4

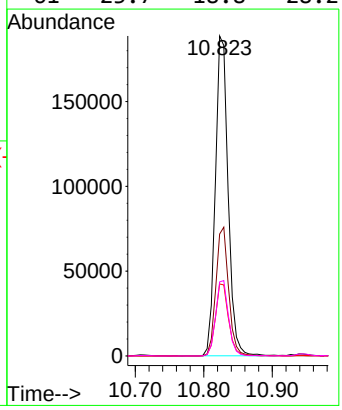


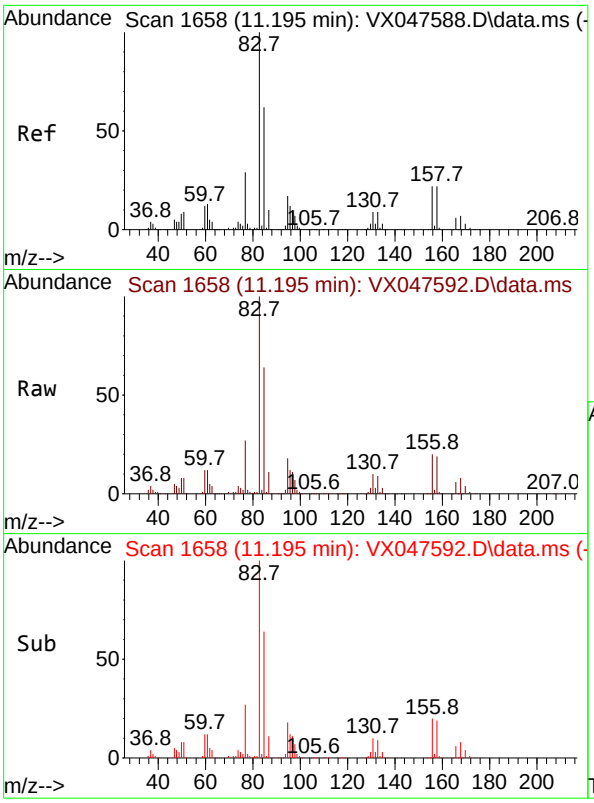


#74
N-amyl acetate
Concen: 50.375 ug/l
RT: 10.823 min Scan# 1597
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 43 Resp: 243198

Ion	Ratio	Lower	Upper
43	100		
70	40.2	32.0	48.0
55	23.2	18.9	28.3
61	23.7	18.8	28.2



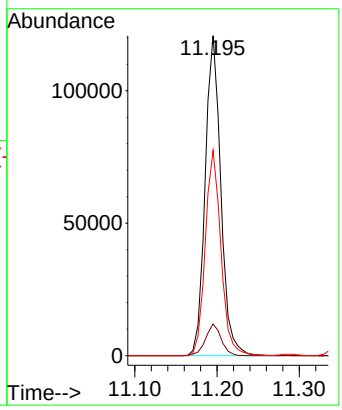


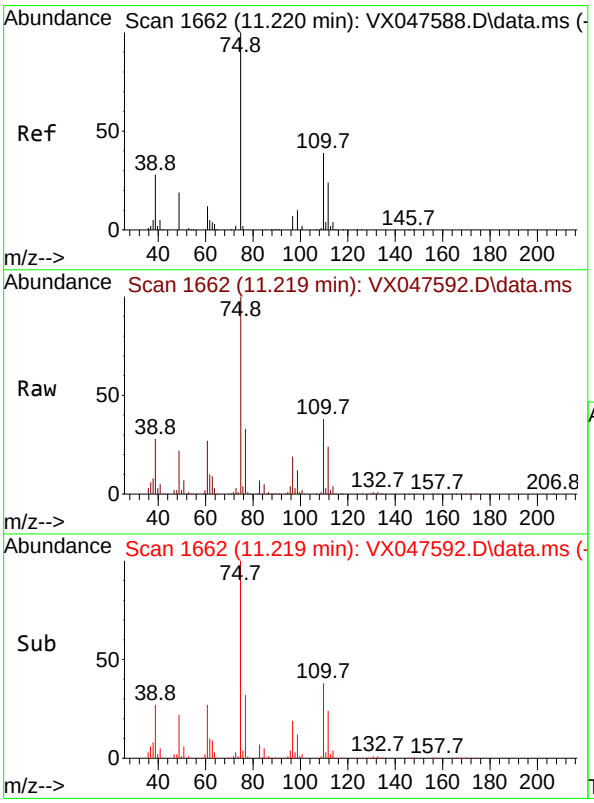
#75
1,1,2,2-Tetrachloroethane
Concen: 49.851 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion: 83 Resp: 159676

Ion	Ratio	Lower	Upper
83	100		
131	9.9	5.0	14.9
85	64.2	31.6	95.0

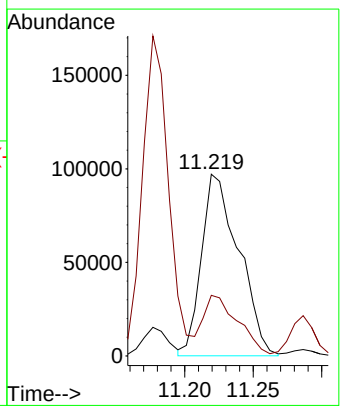


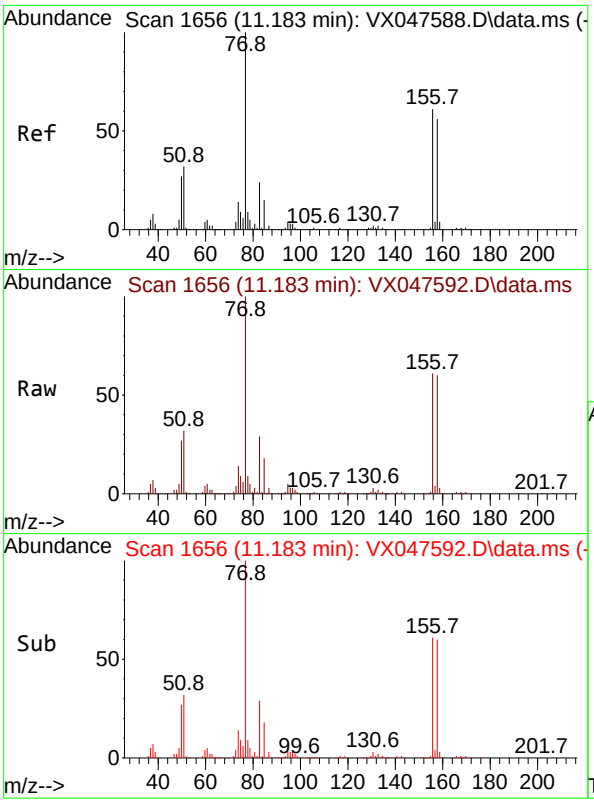


#76
1,2,3-Trichloropropane
Concen: 65.262 ug/l
RT: 11.219 min Scan# 1662
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 75 Resp: 184000

Ion	Ratio	Lower	Upper
75	100		
77	30.9	18.8	56.4



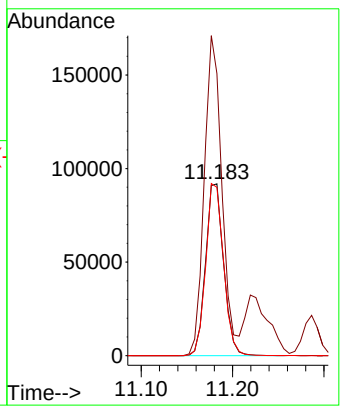


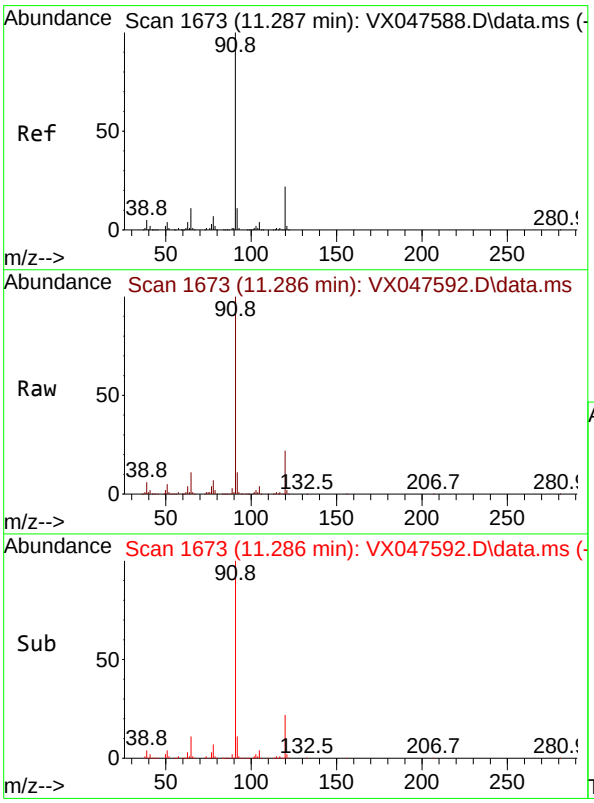
#77
Bromobenzene
Concen: 48.173 ug/l
RT: 11.183 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion:156 Resp: 125610

Ion	Ratio	Lower	Upper
156	100		
77	182.2	89.7	269.1
158	99.0	47.9	143.6

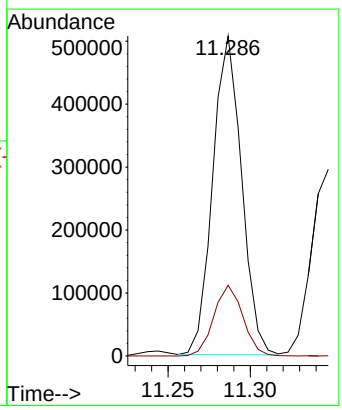


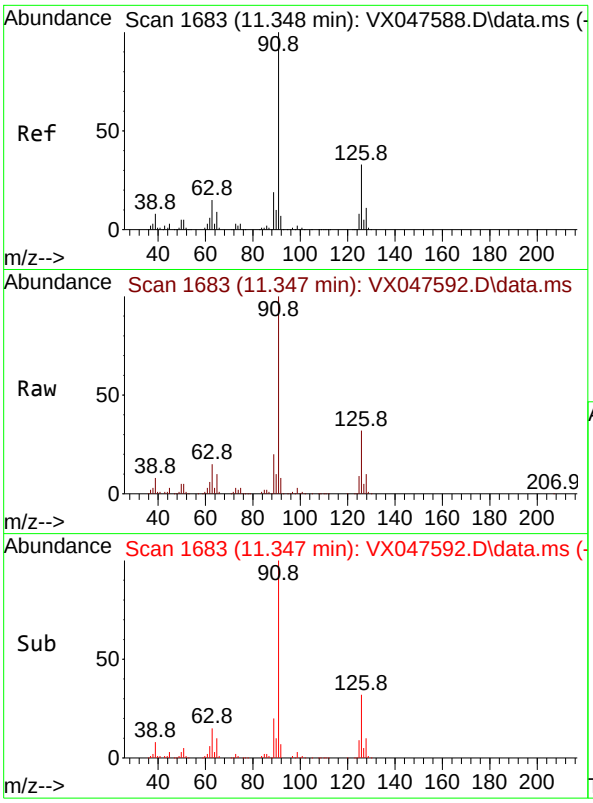


#78
n-propylbenzene
Concen: 49.295 ug/l
RT: 11.286 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 91 Resp: 616928

Ion	Ratio	Lower	Upper
91	100		
120	22.4	11.1	33.1



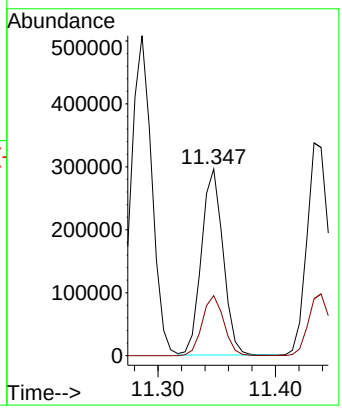


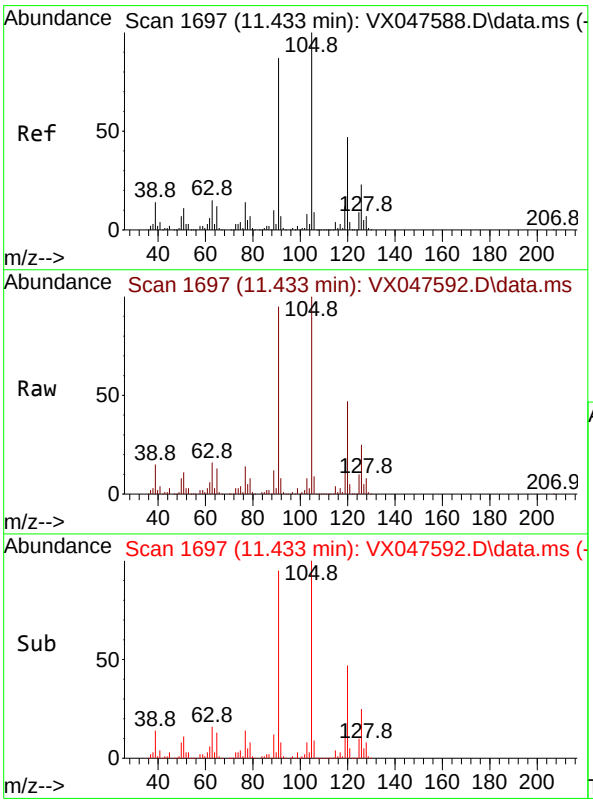
#79
2-Chlorotoluene
Concen: 49.117 ug/l
RT: 11.347 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion: 91 Resp: 376486

Ion	Ratio	Lower	Upper
91	100		
126	32.4	16.1	48.3

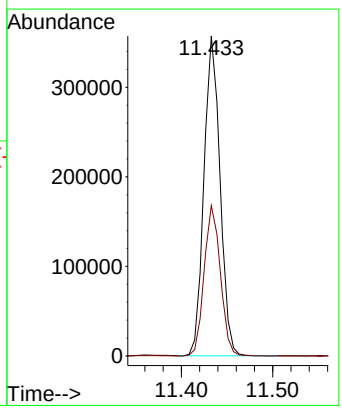


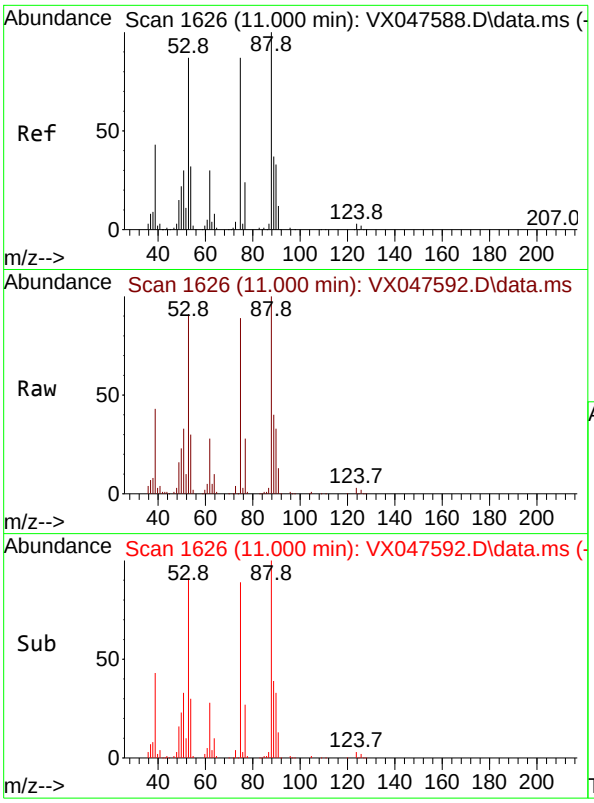


#80
1,3,5-Trimethylbenzene
Concen: 50.055 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:105 Resp: 435375

Ion	Ratio	Lower	Upper
105	100		
120	47.5	23.6	70.8



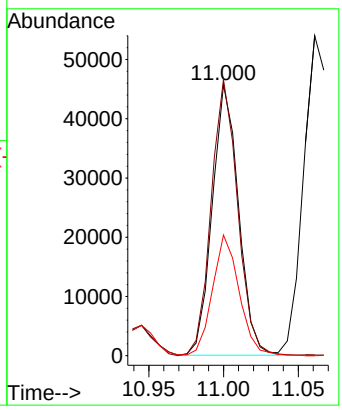


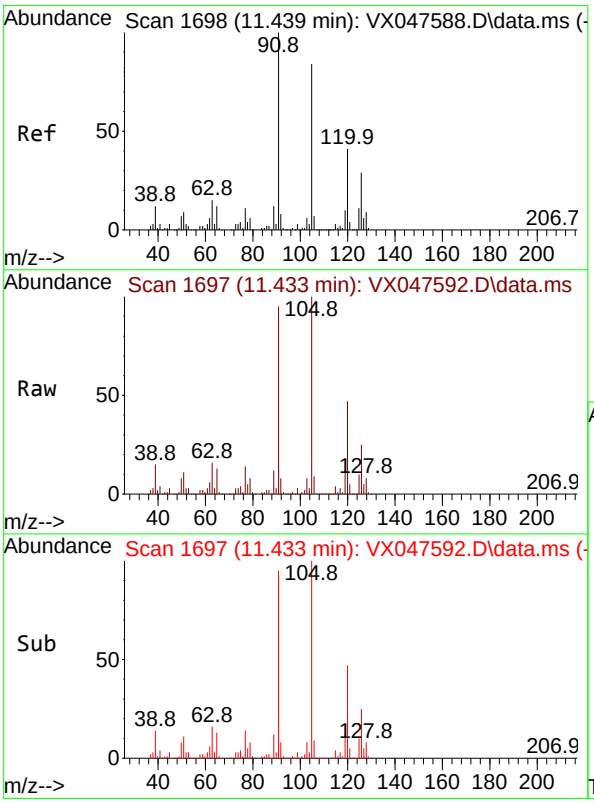
#81
trans-1,4-Dichloro-2-butene
Concen: 50.543 ug/l
RT: 11.000 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion: 75 Resp: 55880

Ion	Ratio	Lower	Upper
75	100		
53	103.4	83.4	125.2
89	45.4	36.3	54.5

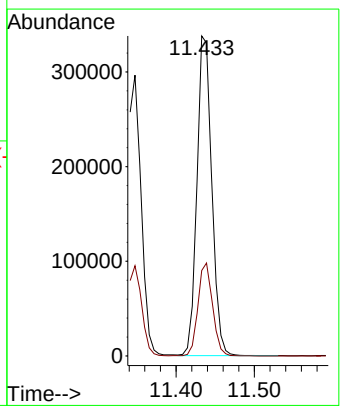


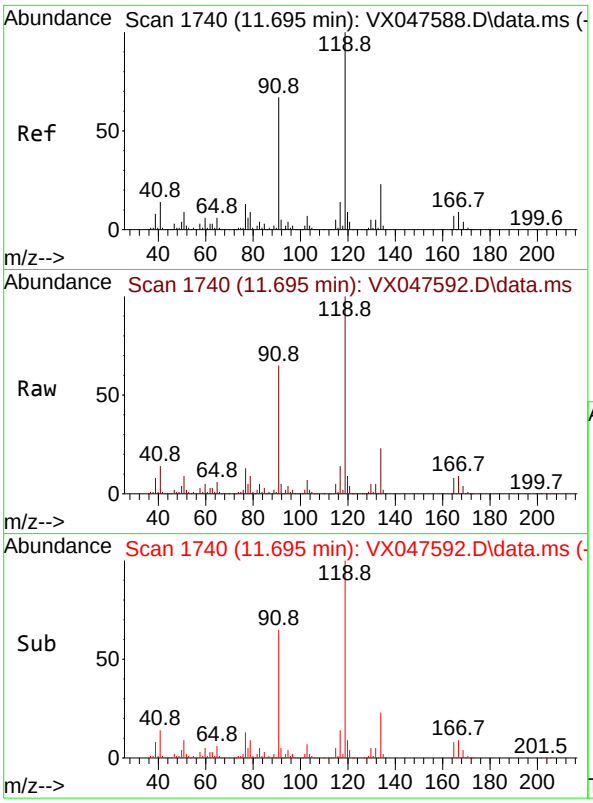


#82
4-Chlorotoluene
Concen: 49.164 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 91 Resp: 445075

Ion	Ratio	Lower	Upper
91	100		
126	28.6	14.2	42.6



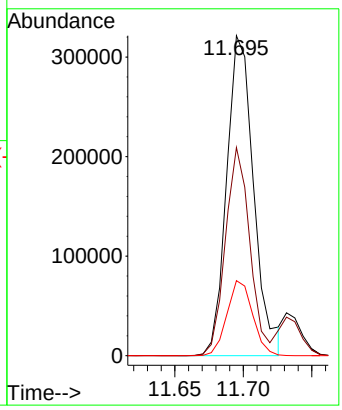


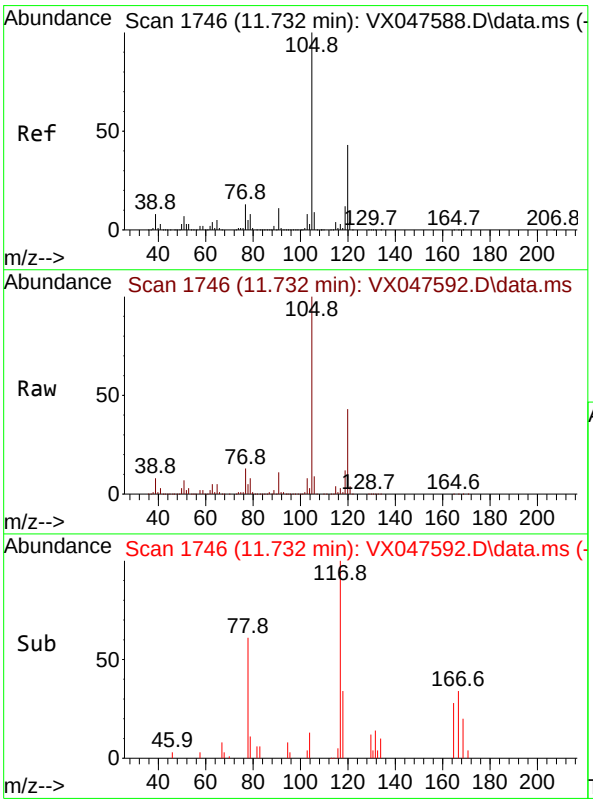
#83
tert-Butylbenzene
Concen: 49.679 ug/l
RT: 11.695 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion:119 Resp: 442341

Ion	Ratio	Lower	Upper
119	100		
91	58.7	29.6	88.8
134	22.3	11.0	33.0

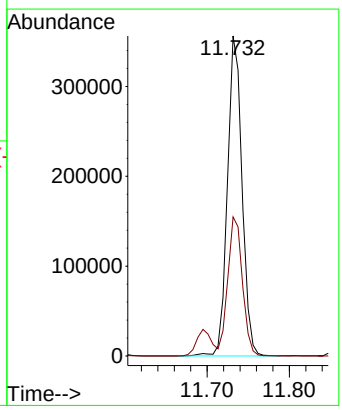


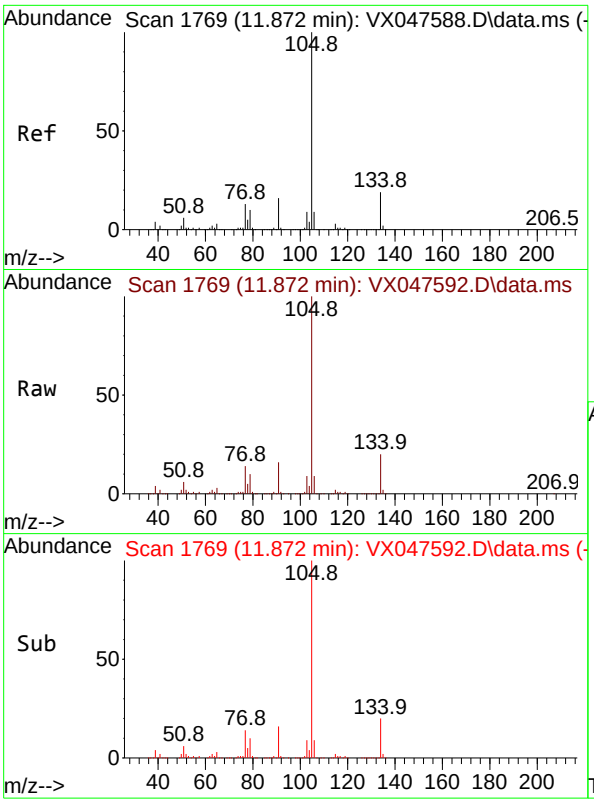


#84
1,2,4-Trimethylbenzene
Concen: 49.911 ug/l
RT: 11.732 min Scan# 1746
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:105 Resp: 440134

Ion	Ratio	Lower	Upper
105	100		
120	43.5	22.1	66.1



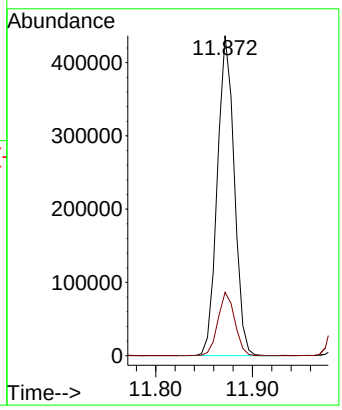


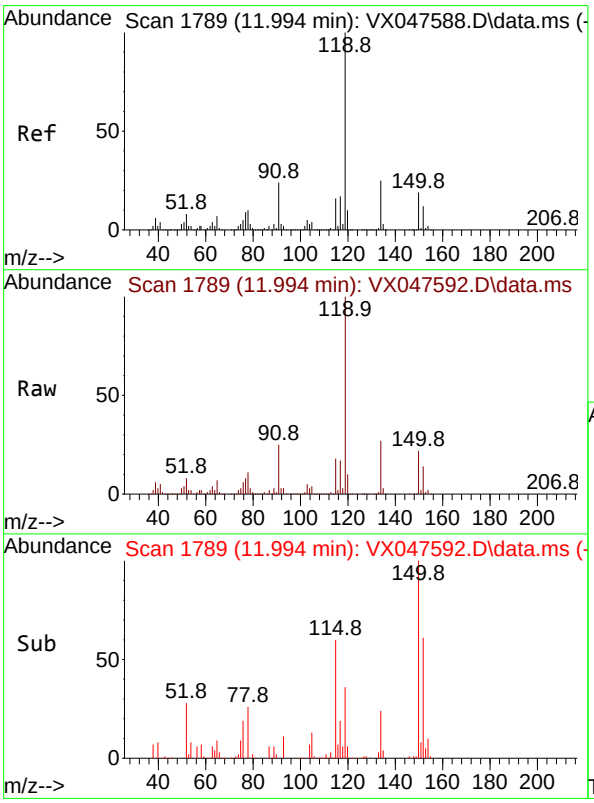
#85
sec-Butylbenzene
Concen: 50.100 ug/l
RT: 11.872 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion:105 Resp: 529869

Ion	Ratio	Lower	Upper
105	100		
134	19.7	9.8	29.5

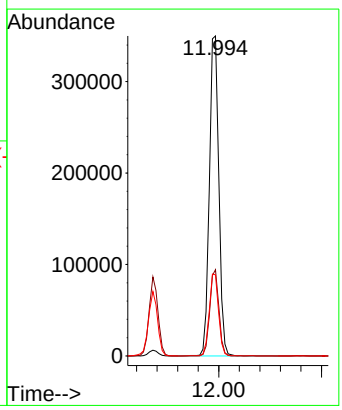


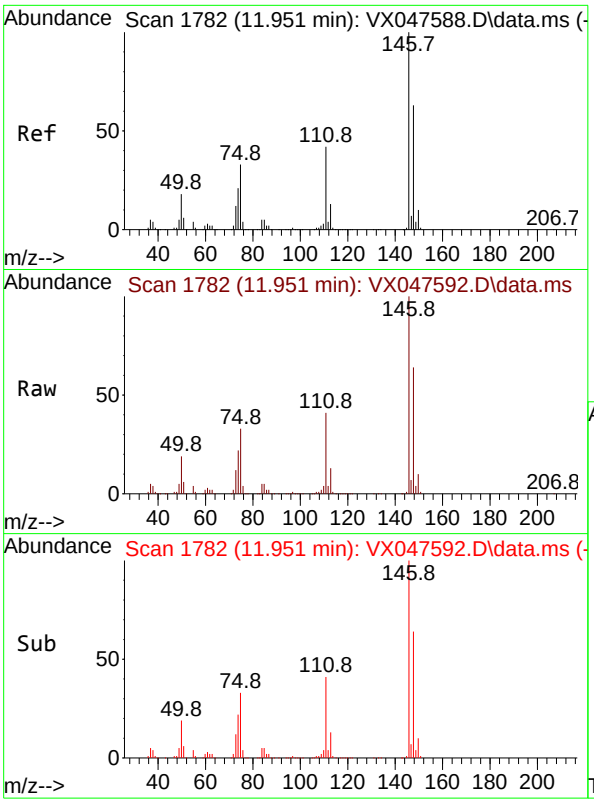


#86
p-Isopropyltoluene
Concen: 49.861 ug/l
RT: 11.994 min Scan# 1789
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:119 Resp: 446441

Ion	Ratio	Lower	Upper
119	100		
134	25.9	12.6	37.8
91	25.4	12.6	37.6



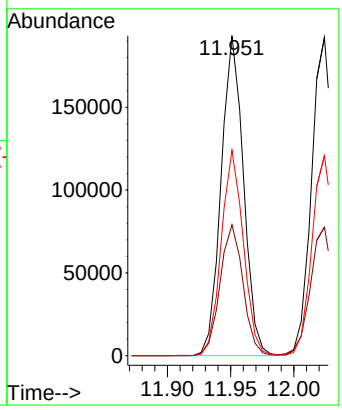


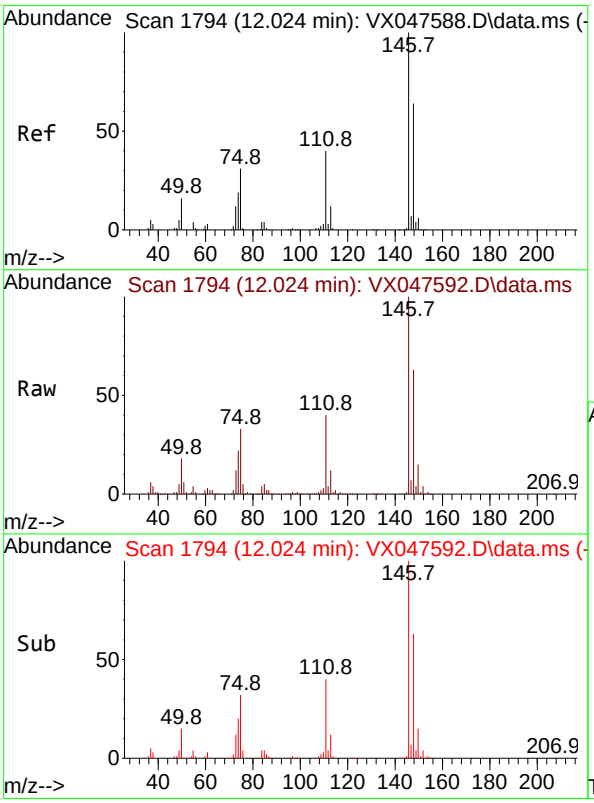
#87
1,3-Dichlorobenzene
Concen: 49.014 ug/l
RT: 11.951 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion:146 Resp: 237383

Ion	Ratio	Lower	Upper
146	100		
111	42.1	21.5	64.5
148	63.5	32.0	96.0

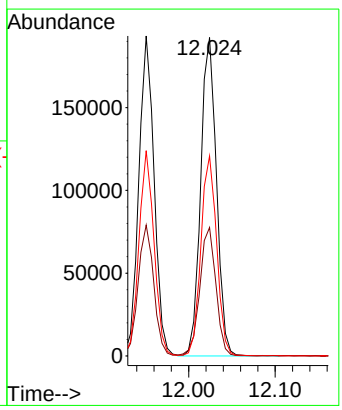


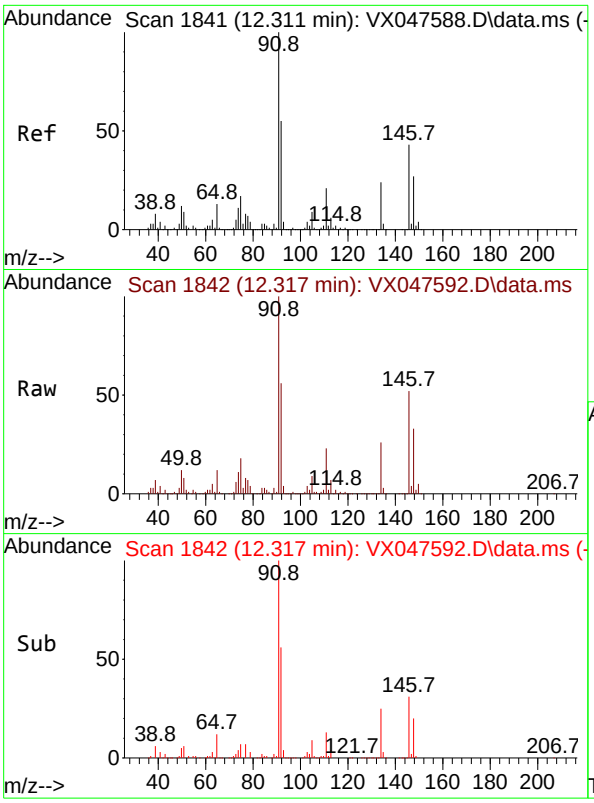


#88
1,4-Dichlorobenzene
Concen: 49.011 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:146 Resp: 243618

Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.8	62.4
148	62.7	31.7	95.1



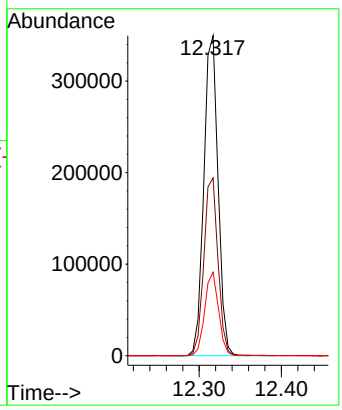


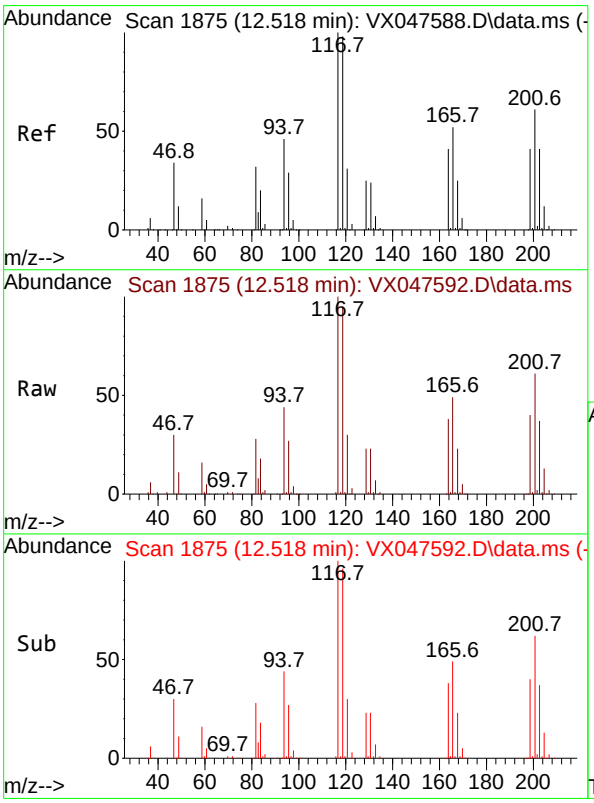
#89
n-Butylbenzene
Concen: 50.752 ug/l
RT: 12.317 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion: 91 Resp: 420478

Ion	Ratio	Lower	Upper
91	100		
92	55.2	27.6	82.7
134	25.3	12.6	37.8

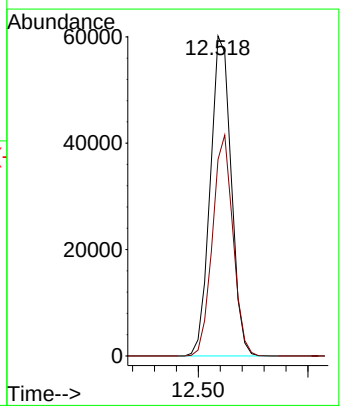


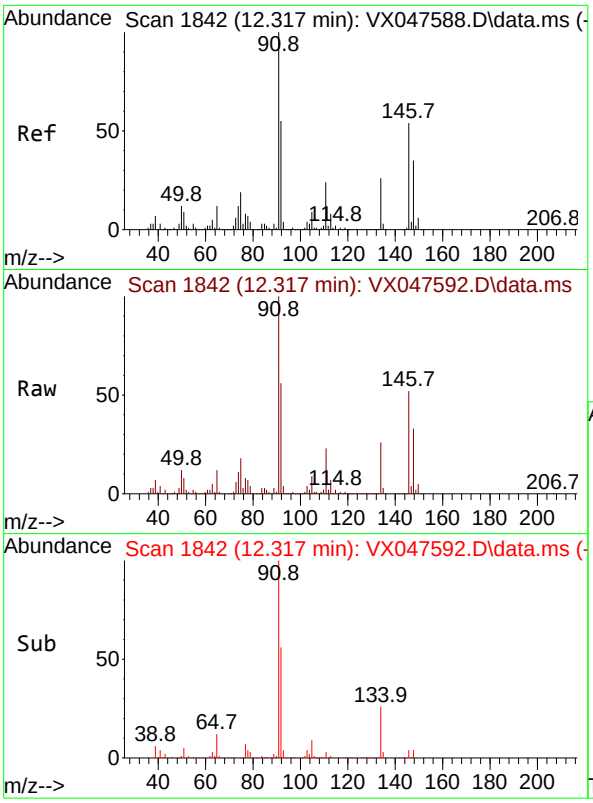


#90
Hexachloroethane
Concen: 50.732 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:117 Resp: 79751

Ion	Ratio	Lower	Upper
117	100		
201	67.7	34.2	102.5



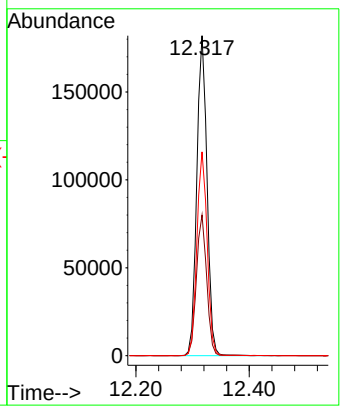


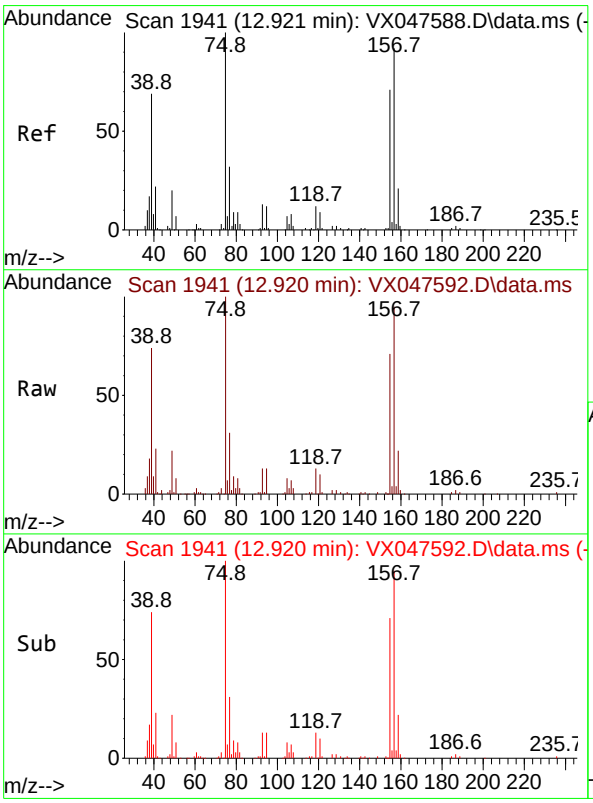
#91
1,2-Dichlorobenzene
Concen: 49.304 ug/l
RT: 12.317 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion:146 Resp: 227493

Ion	Ratio	Lower	Upper
146	100		
111	44.2	22.2	66.6
148	64.1	31.8	95.4

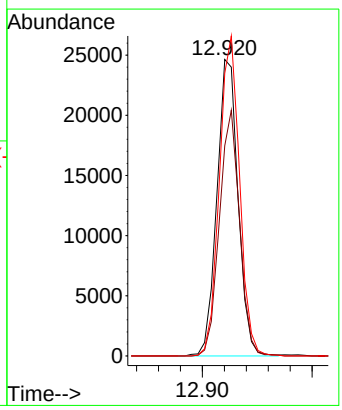


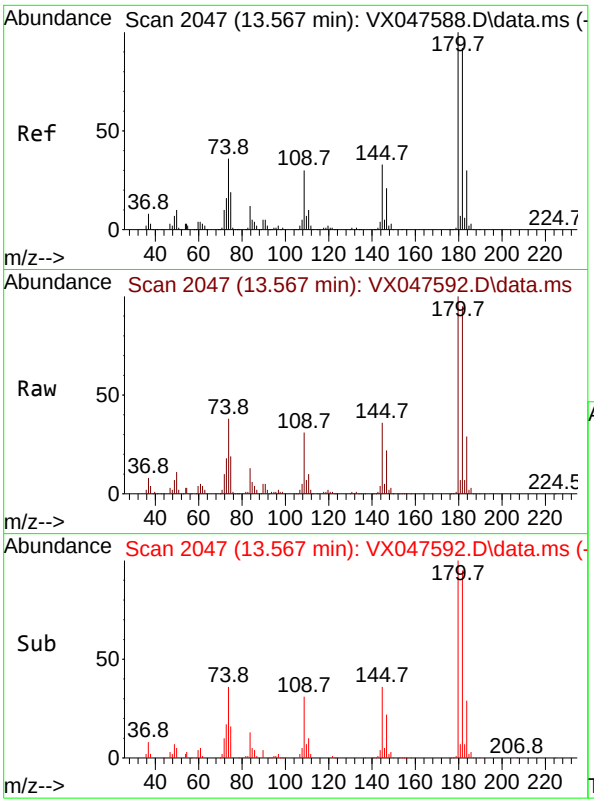


#92
1,2-Dibromo-3-Chloropropane
Concen: 50.918 ug/l
RT: 12.920 min Scan# 1941
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 75 Resp: 33020

Ion	Ratio	Lower	Upper
75	100		
155	79.1	37.7	113.1
157	103.2	49.8	149.4



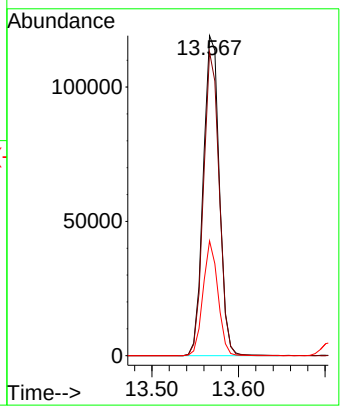


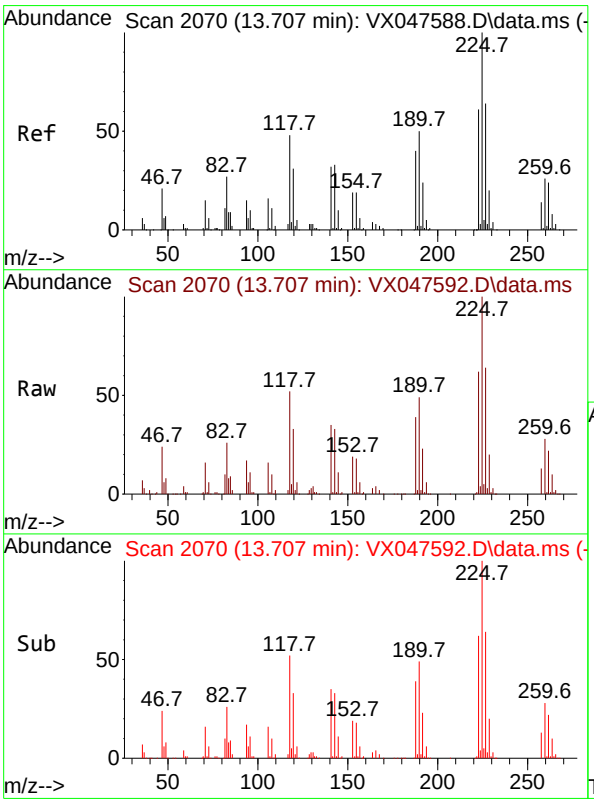
#93
1,2,4-Trichlorobenzene
Concen: 51.133 ug/l
RT: 13.567 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion:180 Resp: 153333

Ion	Ratio	Lower	Upper
180	100		
182	93.1	46.6	139.8
145	33.3	16.4	49.1

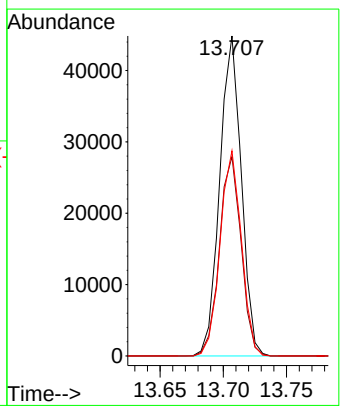


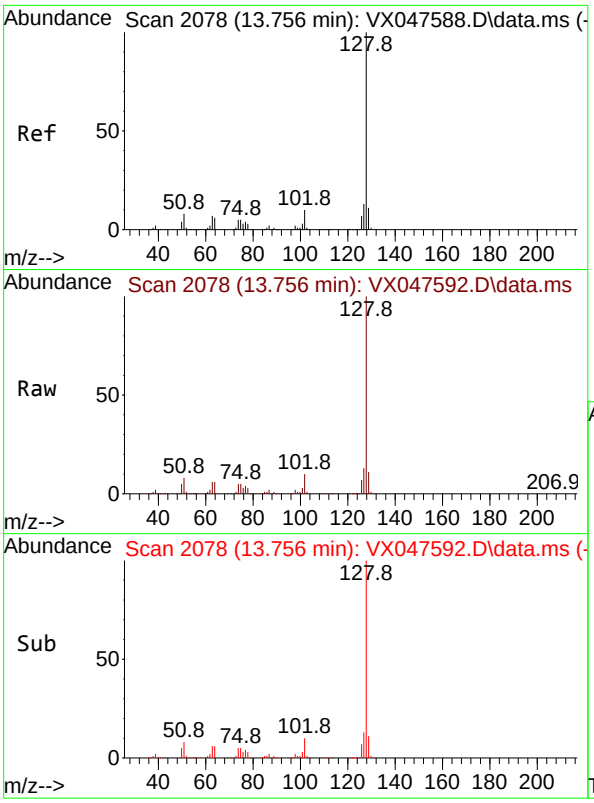


#94
Hexachlorobutadiene
Concen: 52.131 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:225 Resp: 53099

Ion	Ratio	Lower	Upper
225	100		
223	62.6	31.7	95.1
227	63.3	32.0	96.0



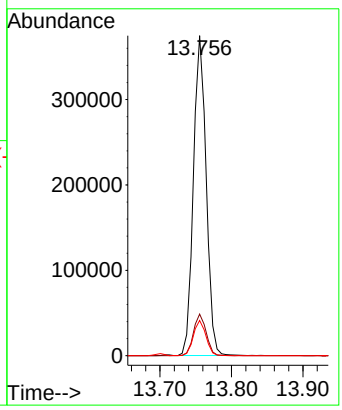


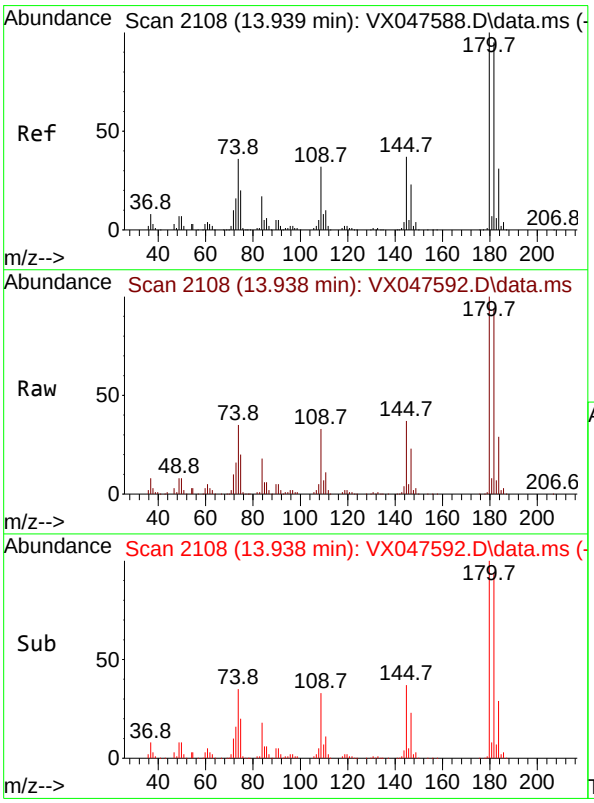
#95
Naphthalene
Concen: 50.836 ug/l
RT: 13.756 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion:128 Resp: 464206

Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.2
129	10.9	8.8	13.2

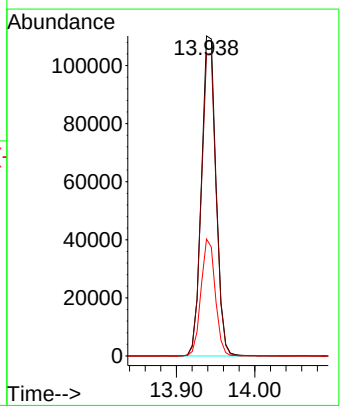




#96
1,2,3-Trichlorobenzene
Concen: 51.054 ug/l
RT: 13.938 min Scan# 2108
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:180 Resp: 142413

Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.6	142.8
145	35.6	17.9	53.7



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091725\
Data File : VX047601.D
Acq On : 17 Sep 2025 08:51
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Quant Time: Sep 22 02:57:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.532	168	203321	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.739	114	347822	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	296232	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	138326	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.934	65	156158	48.251	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 96.500%			
35) Dibromofluoromethane	5.361	113	122336	52.444	ug/l	-0.01
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.880%			
50) Toluene-d8	8.629	98	414115	51.305	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 102.620%			
62) 4-Bromofluorobenzene	11.061	95	155790	50.857	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 101.720%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.173	85	119481	56.749	ug/l	99
3) Chloromethane	1.301	50	140740	50.862	ug/l	100
4) Vinyl Chloride	1.380	62	151331	55.869	ug/l	100
5) Bromomethane	1.618	94	92690	53.964	ug/l	96
6) Chloroethane	1.697	64	97613	53.918	ug/l	97
7) Trichlorofluoromethane	1.892	101	232711	57.862	ug/l	96
8) Diethyl Ether	2.136	74	86715	52.708	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.331	101	138693	58.976	ug/l	99
10) Methyl Iodide	2.453	142	184404	50.278	ug/l	98
11) Tert butyl alcohol	2.941	59	88953	246.787	ug/l	99
12) 1,1-Dichloroethene	2.319	96	134210	55.558	ug/l	96
13) Acrolein	2.233	56	93978	282.934	ug/l	98
14) Allyl chloride	2.660	41	260381	52.235	ug/l	99
15) Acrylonitrile	3.050	53	346249	259.342	ug/l	100
16) Acetone	2.368	43	412272	292.978	ug/l	100
17) Carbon Disulfide	2.514	76	343597	51.957	ug/l	99
18) Methyl Acetate	2.697	43	176029	56.209	ug/l	100
19) Methyl tert-butyl Ether	3.105	73	457213	51.848	ug/l	98
20) Methylene Chloride	2.788	84	149231	50.101	ug/l	98
21) trans-1,2-Dichloroethene	3.087	96	139328	53.572	ug/l	99
22) Diisopropyl ether	3.745	45	503750	52.144	ug/l	90
23) Vinyl Acetate	3.709	43	1974431	255.362	ug/l	99
24) 1,1-Dichloroethane	3.599	63	271584	52.891	ug/l	100
25) 2-Butanone	4.532	43	461527	262.937	ug/l	99
26) 2,2-Dichloropropane	4.465	77	232006	54.356	ug/l	99
27) cis-1,2-Dichloroethene	4.471	96	164885	51.768	ug/l	99
28) Bromochloromethane	4.879	49	117231	52.297	ug/l	100
29) Tetrahydrofuran	4.983	42	259287	245.552	ug/l	99
30) Chloroform	5.074	83	269634	51.965	ug/l	99
31) Cyclohexane	5.452	56	228628	53.460	ug/l	97
32) 1,1,1-Trichloroethane	5.367	97	236638	53.767	ug/l	100
36) 1,1-Dichloropropene	5.672	75	179063	52.533	ug/l	98
37) Ethyl Acetate	4.690	43	185174	50.738	ug/l	98
38) Carbon Tetrachloride	5.660	117	202037	54.553	ug/l	96
39) Methylcyclohexane	7.361	83	224624	58.054	ug/l	98
40) Benzene	6.019	78	543983	52.544	ug/l	99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091725\
Data File : VX047601.D
Acq On : 17 Sep 2025 08:51
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Quant Time: Sep 22 02:57:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.898	41	97332	51.658	ug/l		98
42) 1,2-Dichloroethane	6.068	62	200768	50.968	ug/l		100
43) Isopropyl Acetate	6.318	43	302179	50.484	ug/l		100
44) Trichloroethene	7.104	130	134308	53.660	ug/l		99
45) 1,2-Dichloropropane	7.409	63	137917	52.025	ug/l		100
46) Dibromomethane	7.562	93	97841	50.718	ug/l		98
47) Bromodichloromethane	7.806	83	210363	52.844	ug/l		98
48) Methyl methacrylate	7.671	41	149698	50.209	ug/l		99
49) 1,4-Dioxane	7.641	88	32423	1076.055	ug/l		97
51) 4-Methyl-2-Pentanone	8.555	43	837167	252.257	ug/l		100
52) Toluene	8.702	92	328796	51.549	ug/l		98
53) t-1,3-Dichloropropene	8.958	75	209983	51.714	ug/l		98
54) cis-1,3-Dichloropropene	8.348	75	226019	52.078	ug/l		97
55) 1,1,2-Trichloroethane	9.135	97	123219	50.100	ug/l		99
56) Ethyl methacrylate	9.098	69	201937	52.281	ug/l		98
57) 1,3-Dichloropropane	9.287	76	215669	51.047	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.220	63	485057	261.994	ug/l		100
59) 2-Hexanone	9.415	43	595228	249.728	ug/l		99
60) Dibromochloromethane	9.500	129	147809	52.158	ug/l		99
61) 1,2-Dibromoethane	9.592	107	127323	50.826	ug/l		100
64) Tetrachloroethene	9.257	164	104642	54.187	ug/l		98
65) Chlorobenzene	10.061	112	353279	52.495	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.147	131	124449	53.589	ug/l		100
67) Ethyl Benzene	10.177	91	632906	54.505	ug/l		99
68) m/p-Xylenes	10.281	106	469648	108.664	ug/l		100
69) o-Xylene	10.622	106	224265	53.647	ug/l		100
70) Styrene	10.634	104	388352	53.018	ug/l		100
71) Bromoform	10.781	173	92500	53.344	ug/l	#	99
73) Isopropylbenzene	10.945	105	597002	56.769	ug/l		100
74) N-amyl acetate	10.823	43	255134	53.201	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.195	83	167142	52.532	ug/l		100
76) 1,2,3-Trichloropropane	11.220	75	188361	67.256	ug/l		92
77) Bromobenzene	11.177	156	139045	53.683	ug/l		98
78) n-propylbenzene	11.287	91	700672	56.362	ug/l		100
79) 2-Chlorotoluene	11.348	91	414287	54.410	ug/l		100
80) 1,3,5-Trimethylbenzene	11.433	105	480850	55.653	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.000	75	58064	52.870	ug/l		97
82) 4-Chlorotoluene	11.433	91	491100	54.611	ug/l		100
83) tert-Butylbenzene	11.695	119	497751	56.276	ug/l		100
84) 1,2,4-Trimethylbenzene	11.732	105	478593	54.636	ug/l		100
85) sec-Butylbenzene	11.872	105	604477	57.537	ug/l		100
86) p-Isopropyltoluene	11.988	119	502524	56.500	ug/l		99
87) 1,3-Dichlorobenzene	11.951	146	254401	52.880	ug/l		100
88) 1,4-Dichlorobenzene	12.024	146	258994	52.453	ug/l		100
89) n-Butylbenzene	12.311	91	478143	58.099	ug/l		99
90) Hexachloroethane	12.518	117	89396	57.248	ug/l		98
91) 1,2-Dichlorobenzene	12.317	146	244300	53.301	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.921	75	34194	53.081	ug/l		99
93) 1,2,4-Trichlorobenzene	13.567	180	164946	55.373	ug/l		98
94) Hexachlorobutadiene	13.707	225	59191	58.500	ug/l		99
95) Naphthalene	13.756	128	470770	51.900	ug/l		100
96) 1,2,3-Trichlorobenzene	13.939	180	152049	54.873	ug/l		100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091725\
Data File : VX047601.D
Acq On : 17 Sep 2025 08:51
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Quant Time: Sep 22 02:57:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

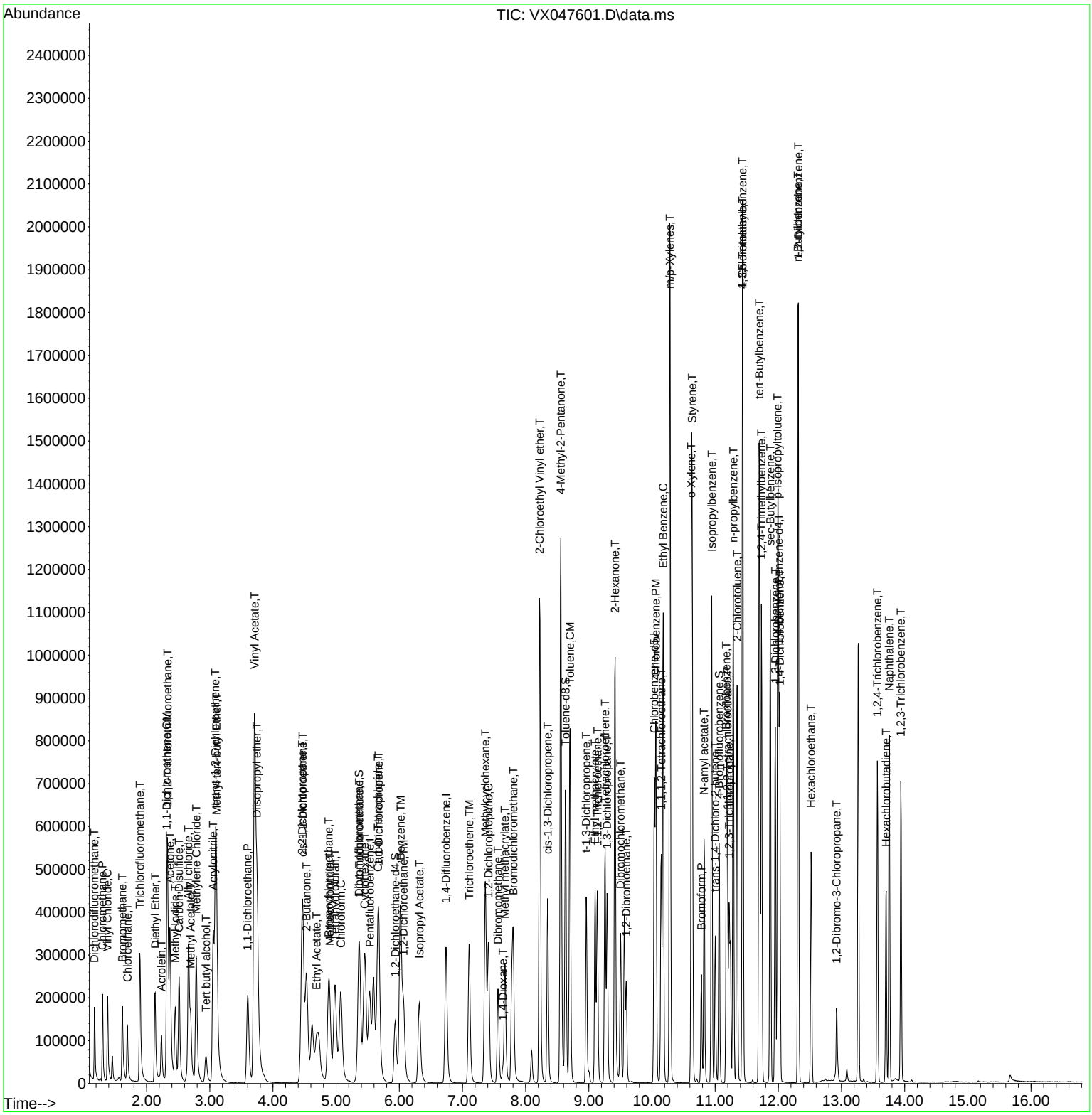
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

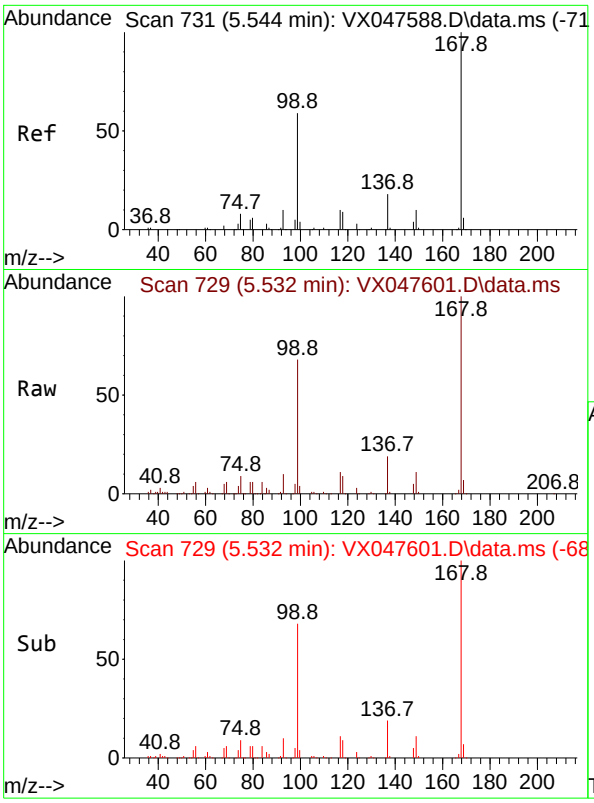
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091725\
Data File : VX047601.D
Acq On : 17 Sep 2025 08:51
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Quant Time: Sep 22 02:57:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



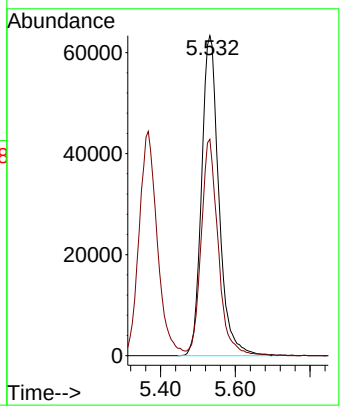


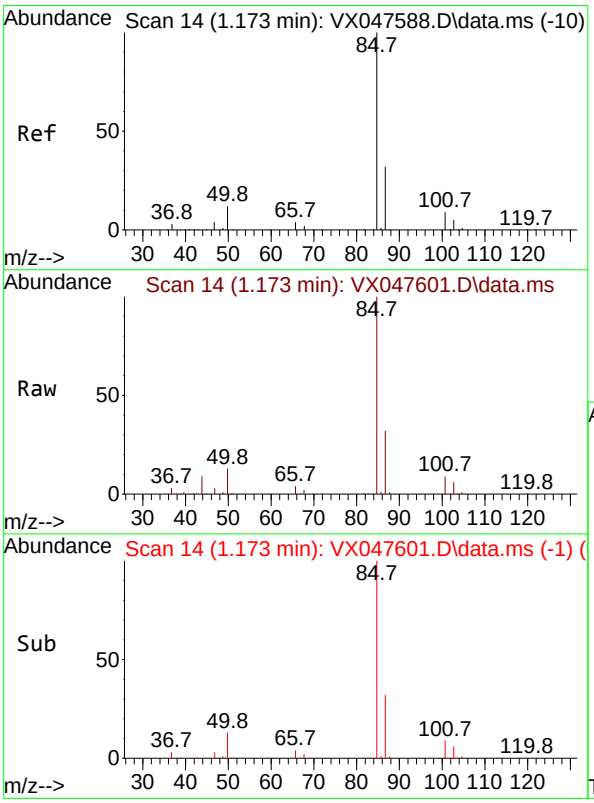
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.532 min Scan# 7
Delta R.T. -0.012 min
Lab File: VX047601.D
Acq: 17 Sep 2025 08:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:168 Resp: 203321

Ion	Ratio	Lower	Upper
168	100		
99	67.5	48.8	73.2

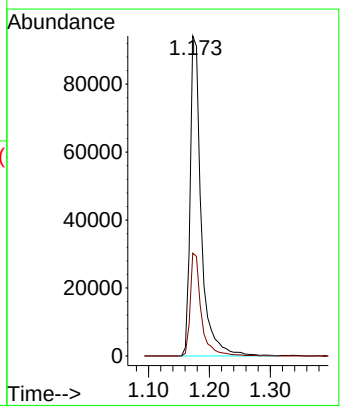


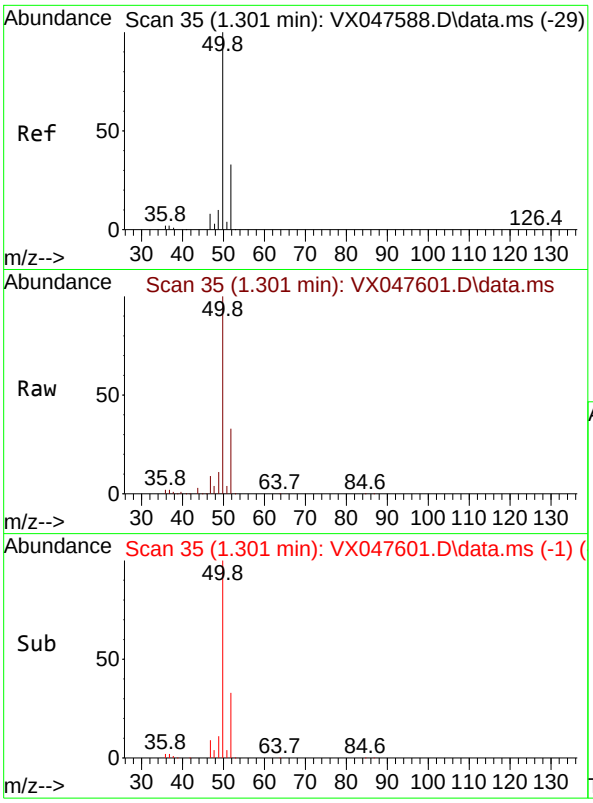


#2
Dichlorodifluoromethane
Concen: 56.749 ug/l
RT: 1.173 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047601.D
Acq: 17 Sep 2025 08:51

Tgt Ion: 85 Resp: 119481

Ion	Ratio	Lower	Upper
85	100		
87	32.1	15.8	47.3



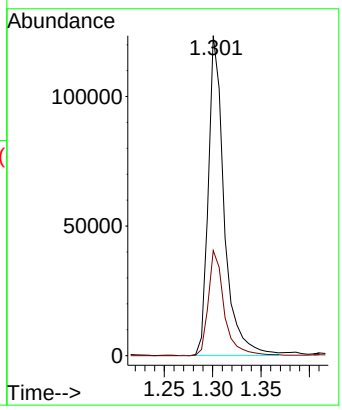


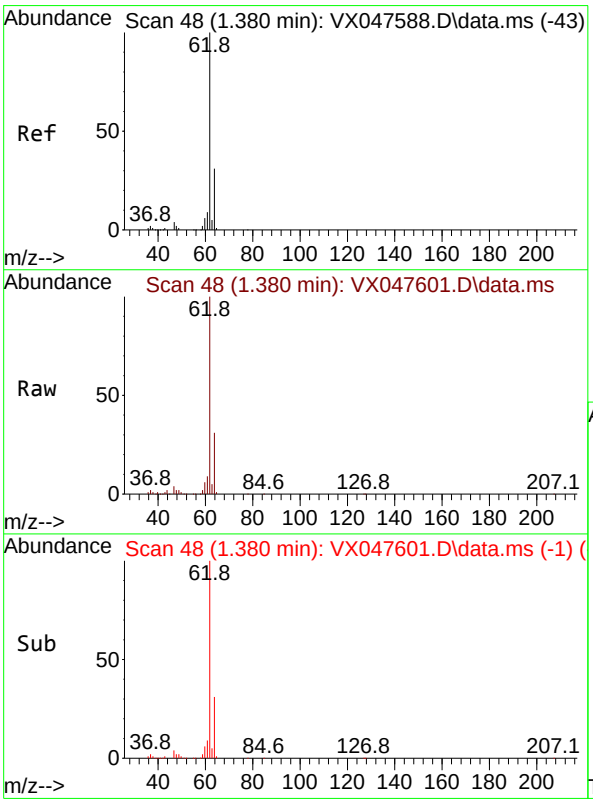
#3
Chloromethane
Concen: 50.862 ug/l
RT: 1.301 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX047601.D
Acq: 17 Sep 2025 08:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 50 Resp: 140740

Ion	Ratio	Lower	Upper
50	100		
52	32.9	26.1	39.1

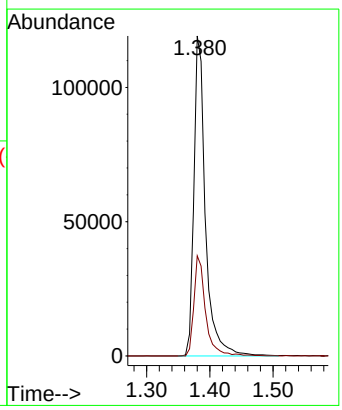


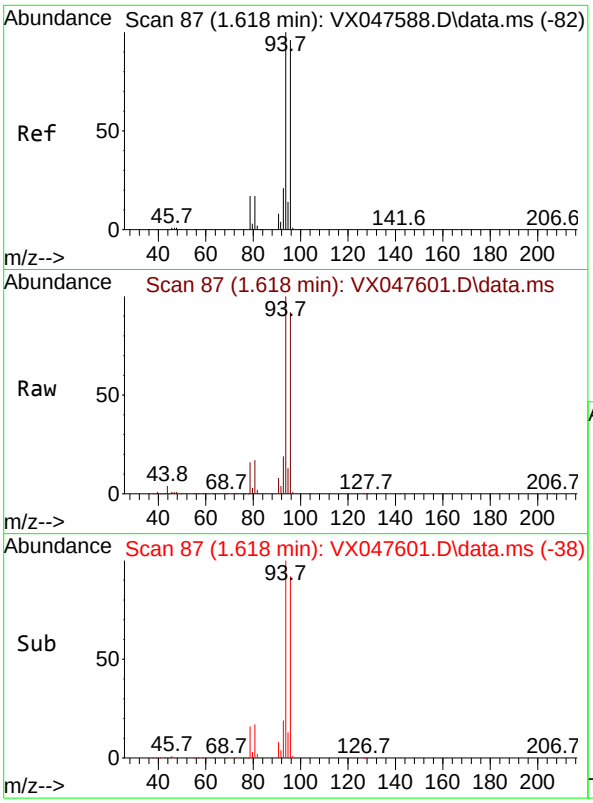


#4
Vinyl Chloride
Concen: 55.869 ug/l
RT: 1.380 min Scan# 48
Delta R.T. 0.000 min
Lab File: VX047601.D
Acq: 17 Sep 2025 08:51

Tgt Ion: 62 Resp: 151331

Ion	Ratio	Lower	Upper
62	100		
64	31.3	24.9	37.3



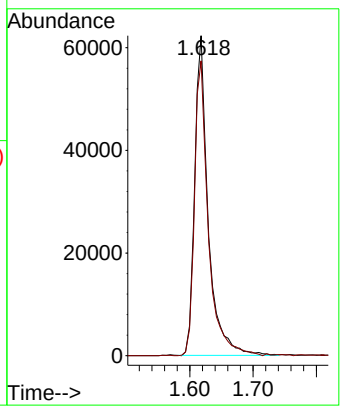


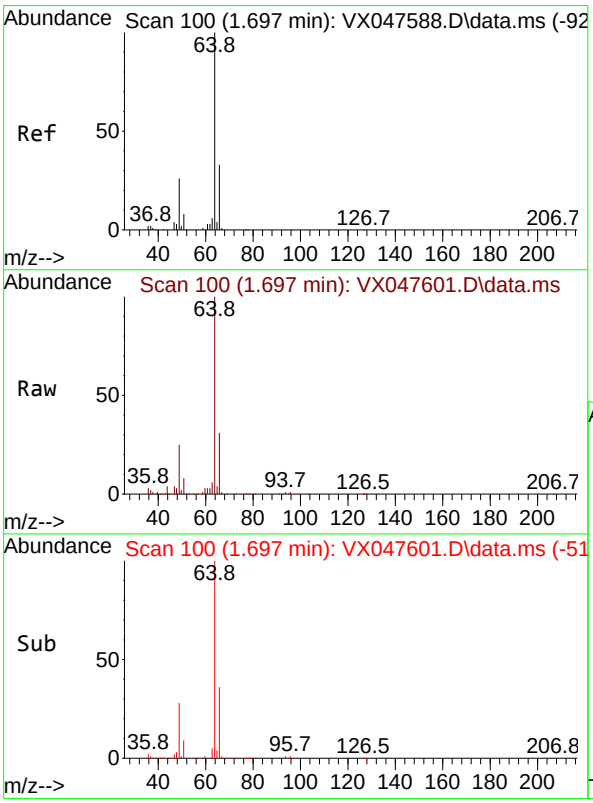
#5
Bromomethane
Concen: 53.964 ug/l
RT: 1.618 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX047601.D
Acq: 17 Sep 2025 08:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 94 Resp: 92690

Ion	Ratio	Lower	Upper
94	100		
96	92.3	76.6	115.0

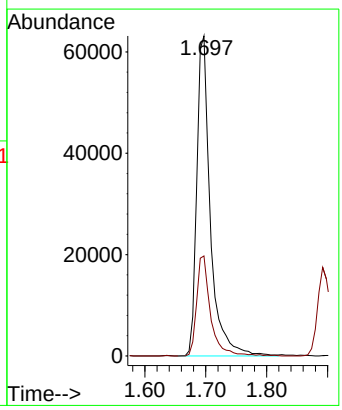


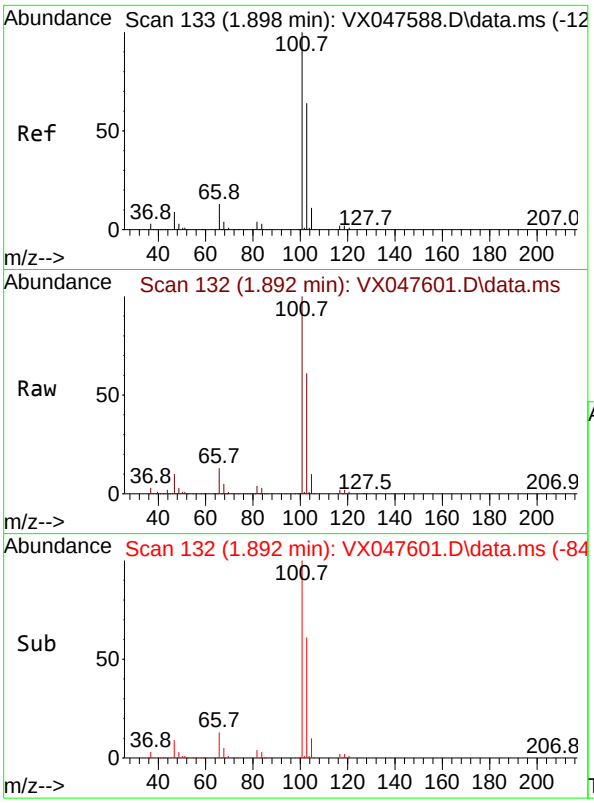


#6
Chloroethane
Concen: 53.918 ug/l
RT: 1.697 min Scan# 100
Delta R.T. 0.000 min
Lab File: VX047601.D
Acq: 17 Sep 2025 08:51

Tgt Ion: 64 Resp: 97613

Ion	Ratio	Lower	Upper
64	100		
66	31.2	26.1	39.1



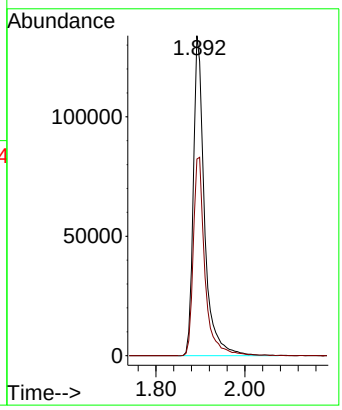


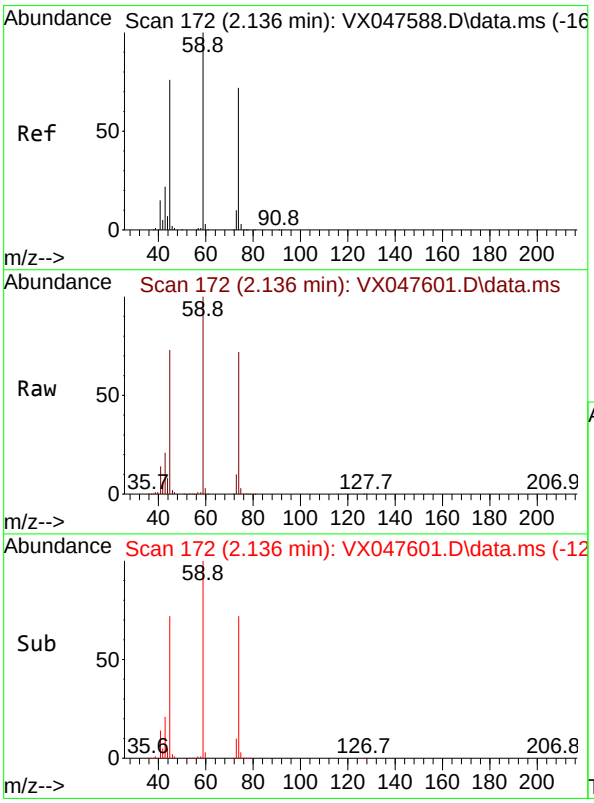
#7
Trichlorofluoromethane
Concen: 57.862 ug/l
RT: 1.892 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047601.D
Acq: 17 Sep 2025 08:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 232711

Ion	Ratio	Lower	Upper
101	100		
103	61.4	51.4	77.2

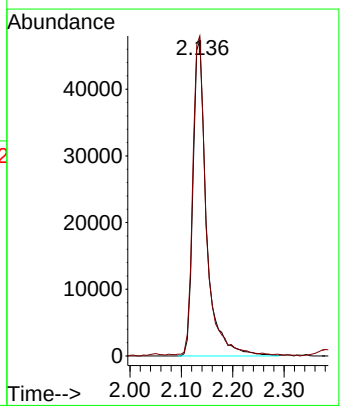


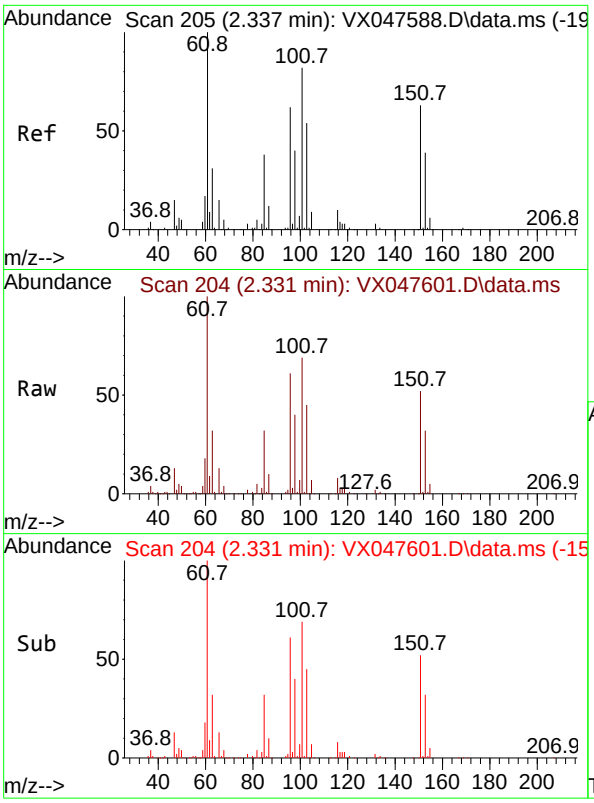


#8
Diethyl Ether
Concen: 52.708 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.000 min
Lab File: VX047601.D
Acq: 17 Sep 2025 08:51

Tgt Ion: 74 Resp: 86715

Ion	Ratio	Lower	Upper
74	100		
45	100.5	52.3	156.8



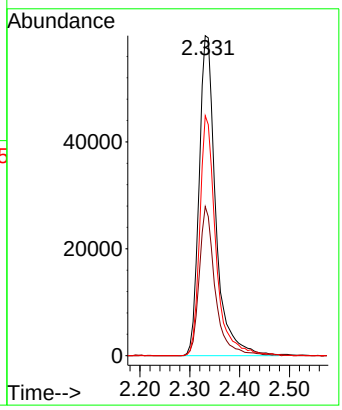


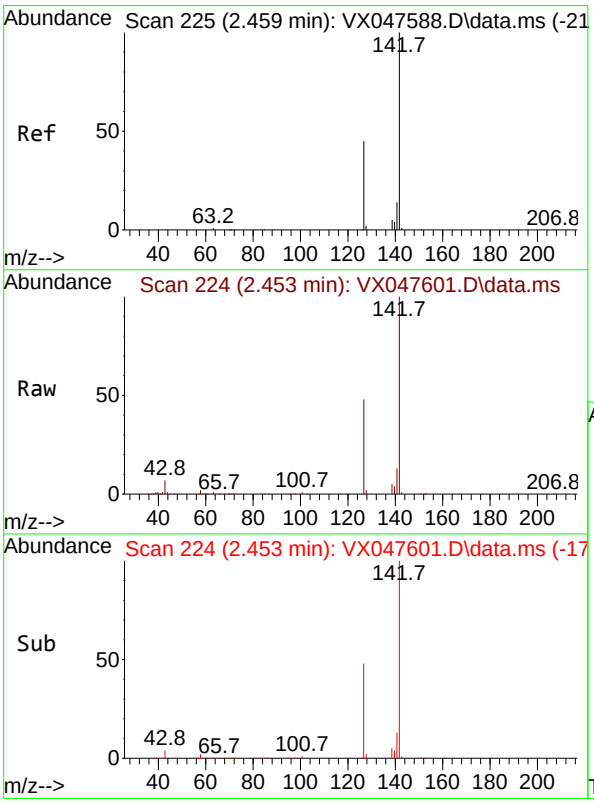
#9
1,1,2-Trichlorotrifluoroethane
Concen: 58.976 ug/l
RT: 2.331 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047601.D
Acq: 17 Sep 2025 08:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 138693

Ion	Ratio	Lower	Upper
101	100		
85	44.8	35.5	53.3
151	72.7	59.4	89.0

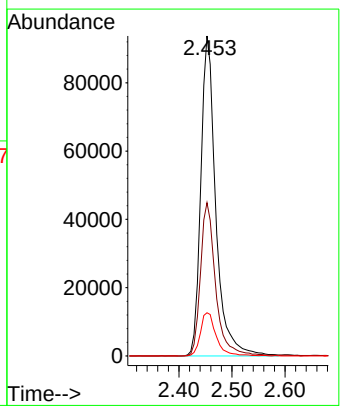


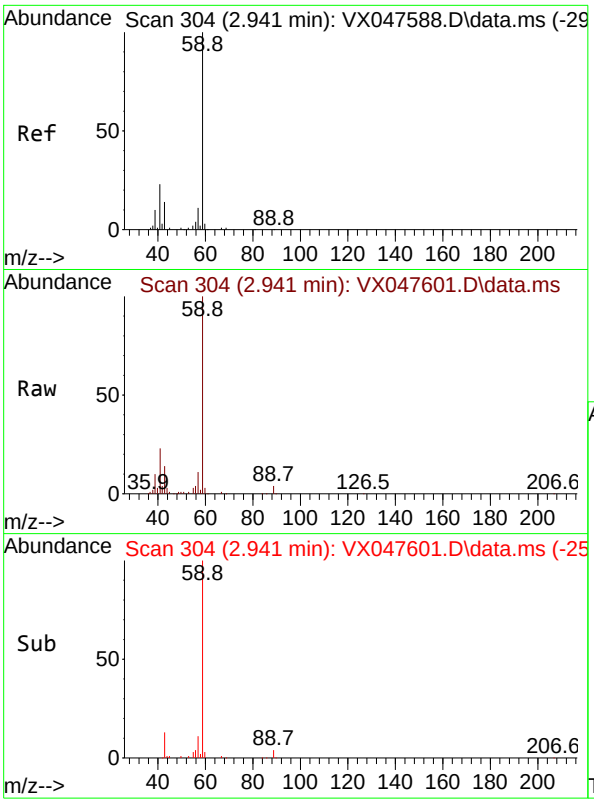


#10
Methyl Iodide
Concen: 50.278 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.006 min
Lab File: VX047601.D
Acq: 17 Sep 2025 08:51

Tgt Ion:142 Resp: 184404

Ion	Ratio	Lower	Upper
142	100		
127	48.4	37.2	55.8
141	14.3	11.4	17.0



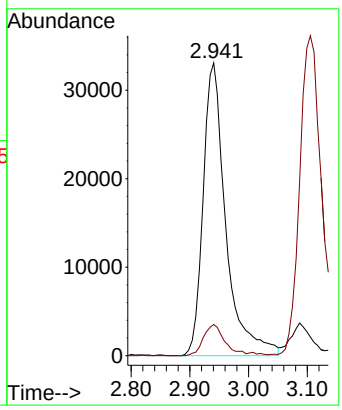


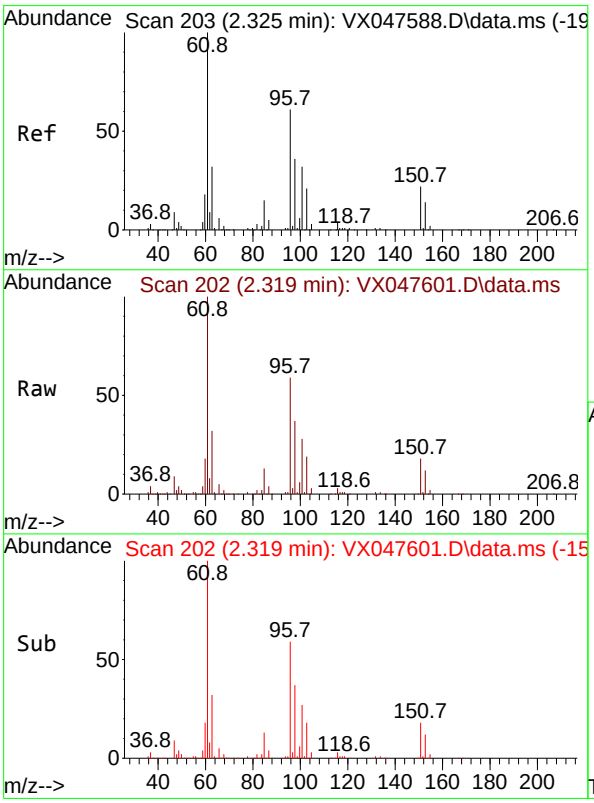
#11
Tert butyl alcohol
Concen: 246.787 ug/l
RT: 2.941 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX047601.D
Acq: 17 Sep 2025 08:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 59 Resp: 88953

Ion	Ratio	Lower	Upper
59	100		
57	10.0	8.3	12.5

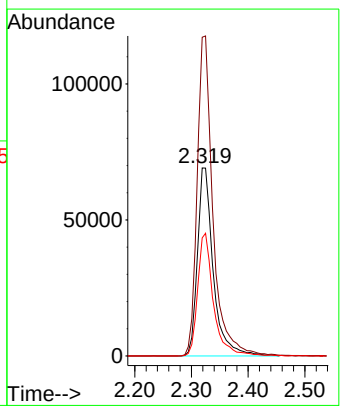


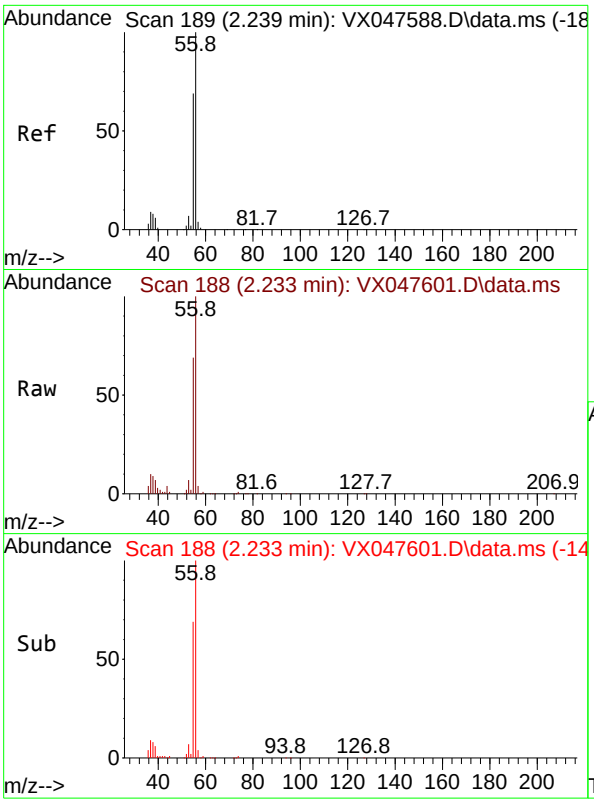


#12
1,1-Dichloroethene
Concen: 55.558 ug/l
RT: 2.319 min Scan# 202
Delta R.T. -0.006 min
Lab File: VX047601.D
Acq: 17 Sep 2025 08:51

Tgt Ion: 96 Resp: 134210

Ion	Ratio	Lower	Upper
96	100		
61	169.6	131.0	196.6
98	62.8	47.7	71.5



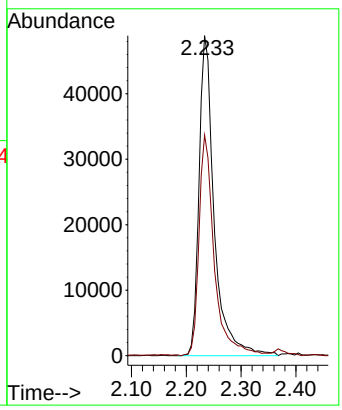


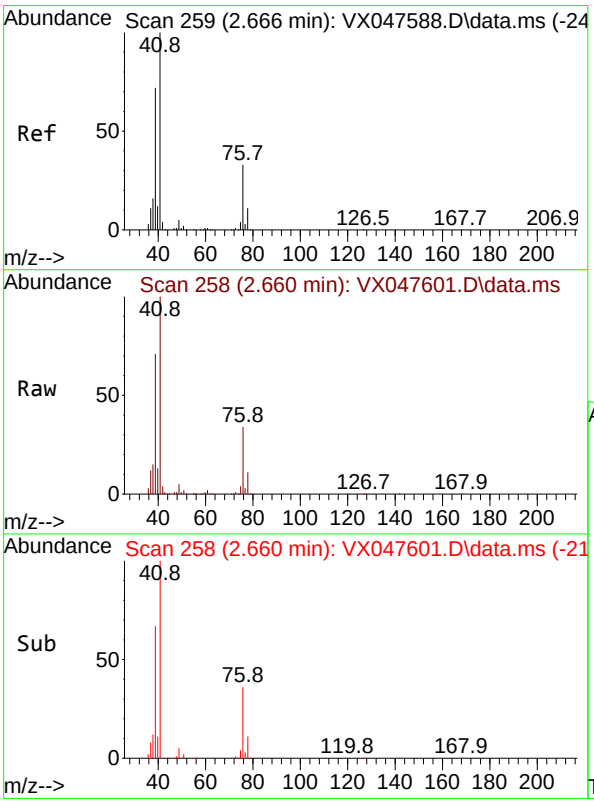
#13
Acrolein
Concen: 282.934 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047601.D
Acq: 17 Sep 2025 08:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 56 Resp: 93978

Ion	Ratio	Lower	Upper
56	100		
55	69.6	57.2	85.8

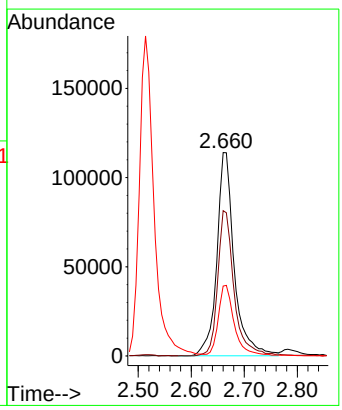


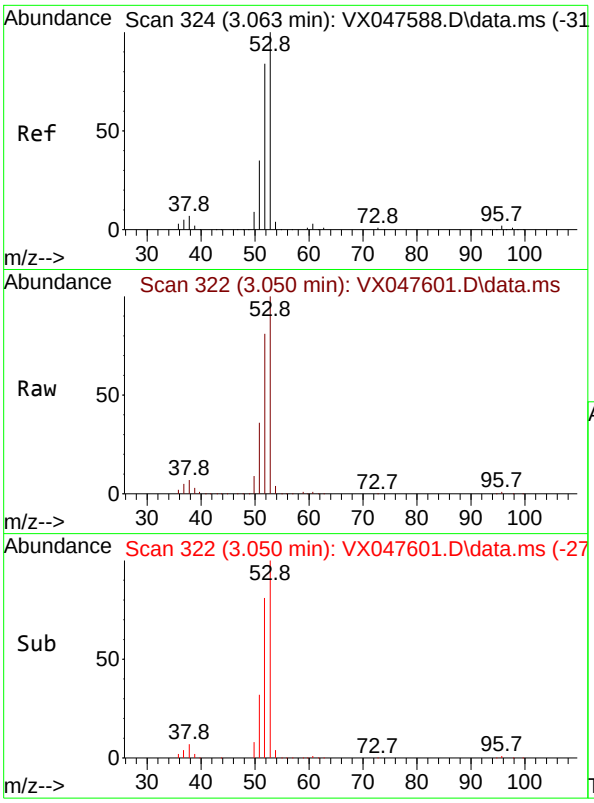


#14
Allyl chloride
Concen: 52.235 ug/l
RT: 2.660 min Scan# 258
Delta R.T. -0.006 min
Lab File: VX047601.D
Acq: 17 Sep 2025 08:51

Tgt Ion: 41 Resp: 260381

Ion	Ratio	Lower	Upper
41	100		
39	67.3	54.7	82.1
76	32.1	25.7	38.5



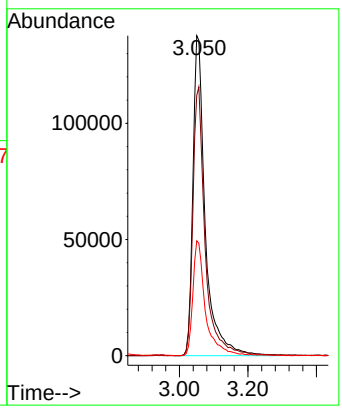


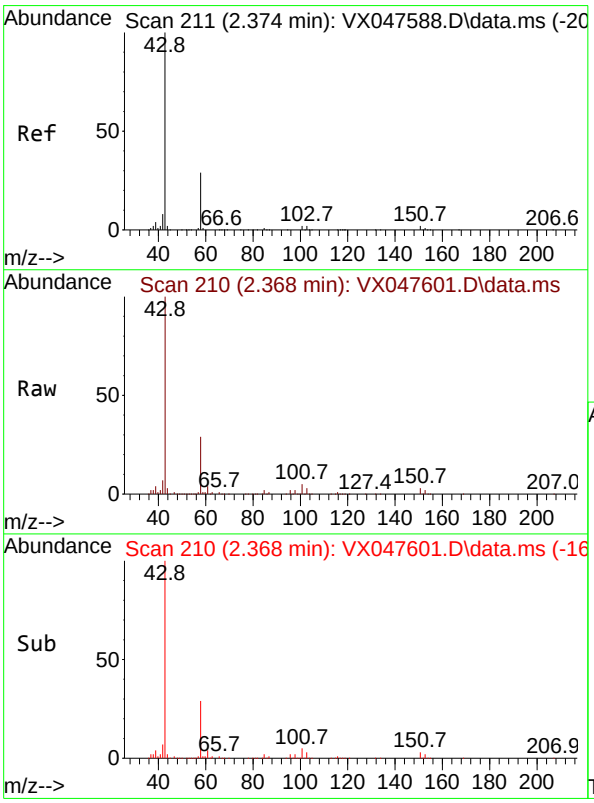
#15
Acrylonitrile
Concen: 259.342 ug/l
RT: 3.050 min Scan# 3
Delta R.T. -0.012 min
Lab File: VX047601.D
Acq: 17 Sep 2025 08:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 53 Resp: 346249

Ion	Ratio	Lower	Upper
53	100		
52	82.7	66.4	99.6
51	36.7	29.5	44.3

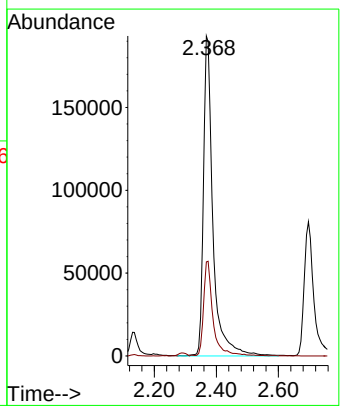


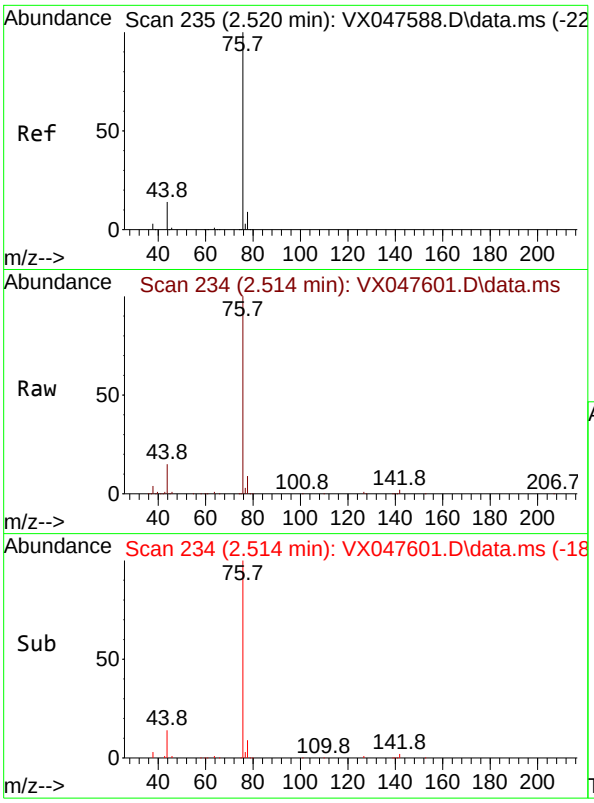


#16
Acetone
Concen: 292.978 ug/l
RT: 2.368 min Scan# 210
Delta R.T. -0.006 min
Lab File: VX047601.D
Acq: 17 Sep 2025 08:51

Tgt Ion: 43 Resp: 412272

Ion	Ratio	Lower	Upper
43	100		
58	29.4	23.4	35.0



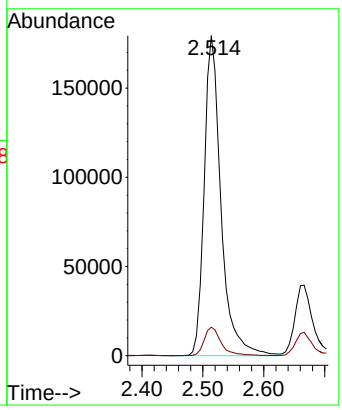


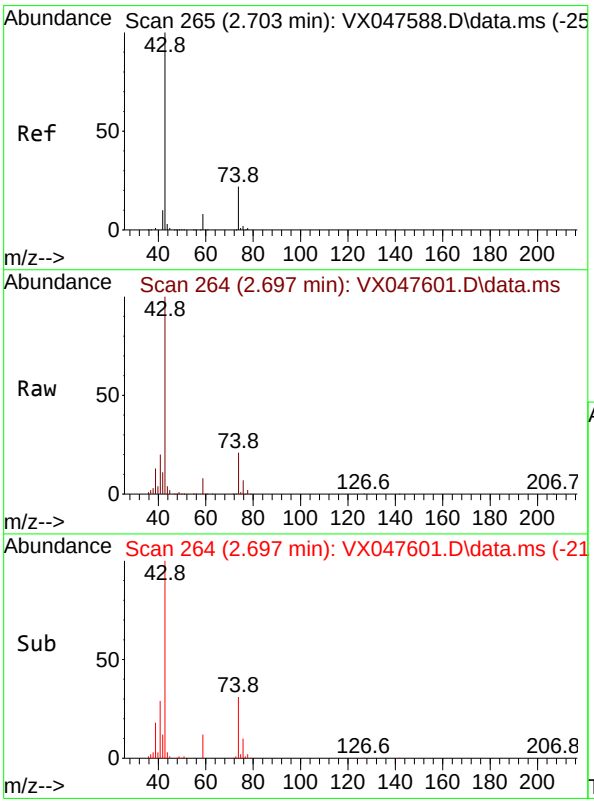
#17
Carbon Disulfide
Concen: 51.957 ug/l
RT: 2.514 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047601.D
Acq: 17 Sep 2025 08:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 343597

Ion	Ratio	Lower	Upper
76	100		
78	8.9	6.8	10.2

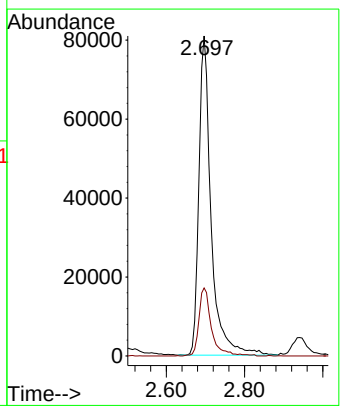


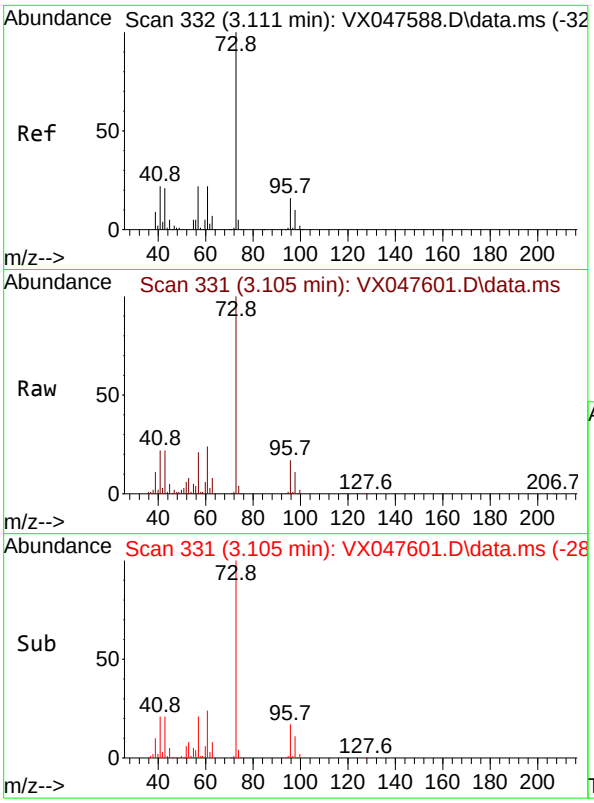


#18
Methyl Acetate
Concen: 56.209 ug/l
RT: 2.697 min Scan# 264
Delta R.T. -0.006 min
Lab File: VX047601.D
Acq: 17 Sep 2025 08:51

Tgt Ion: 43 Resp: 176029

Ion	Ratio	Lower	Upper
43	100		
74	21.9	17.4	26.2



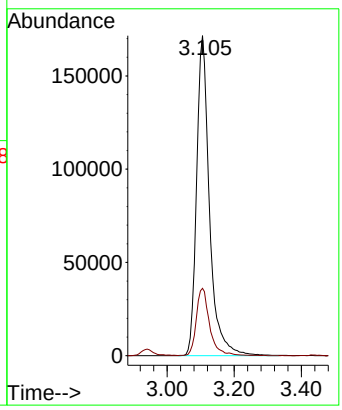


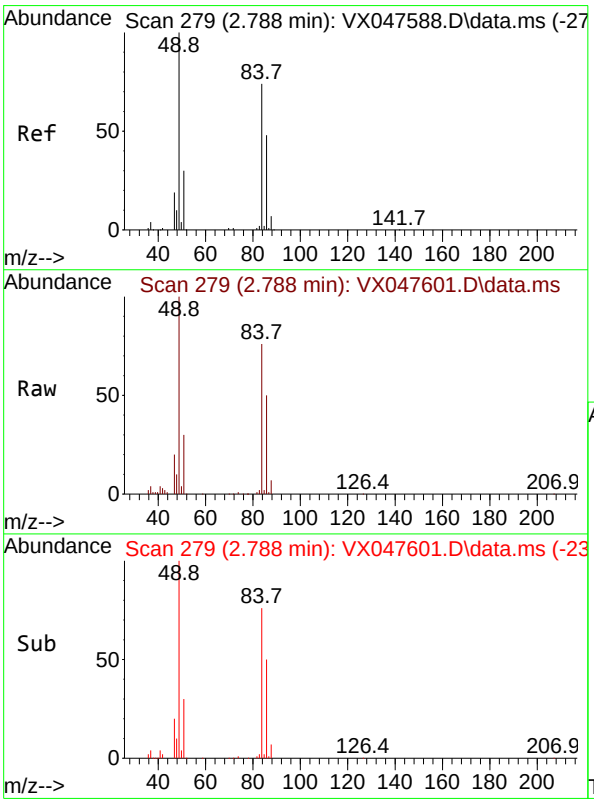
#19
Methyl tert-butyl Ether
Concen: 51.848 ug/l
RT: 3.105 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047601.D
Acq: 17 Sep 2025 08:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 73 Resp: 457213

Ion	Ratio	Lower	Upper
73	100		
57	21.1	17.4	26.2

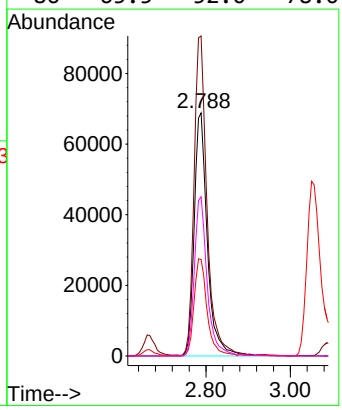


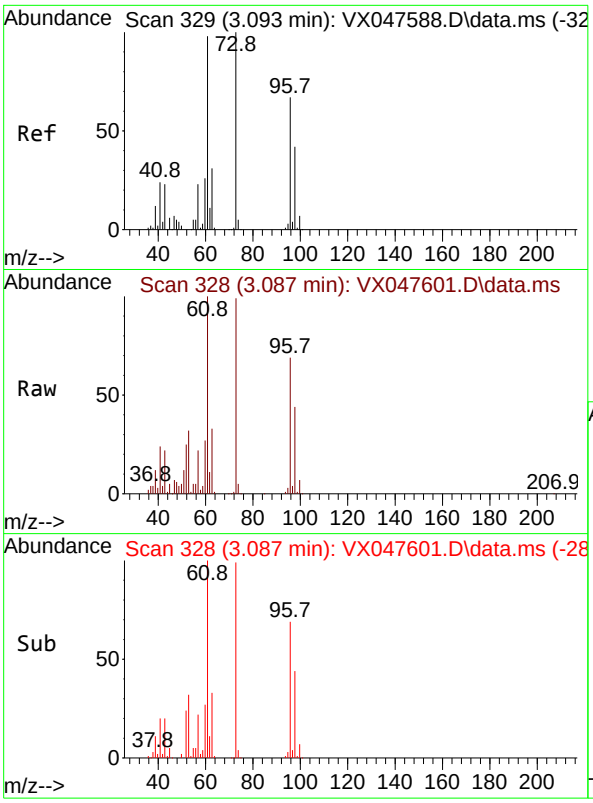


#20
Methylene Chloride
Concen: 50.101 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX047601.D
Acq: 17 Sep 2025 08:51

Tgt Ion: 84 Resp: 149231

Ion	Ratio	Lower	Upper
84	100		
49	131.4	108.6	162.8
51	39.6	32.6	48.8
86	65.5	52.0	78.0



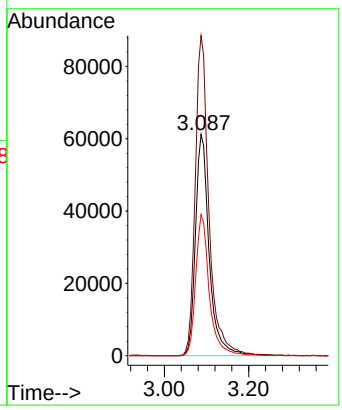


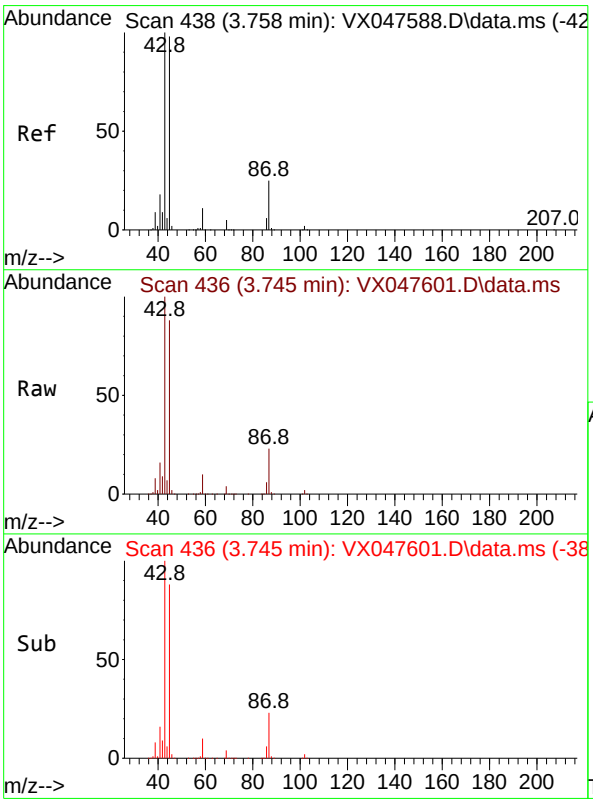
#21
trans-1,2-Dichloroethene
Concen: 53.572 ug/l
RT: 3.087 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047601.D
Acq: 17 Sep 2025 08:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 96 Resp: 139328

Ion	Ratio	Lower	Upper
96	100		
61	144.6	116.2	174.2
98	63.8	49.3	73.9

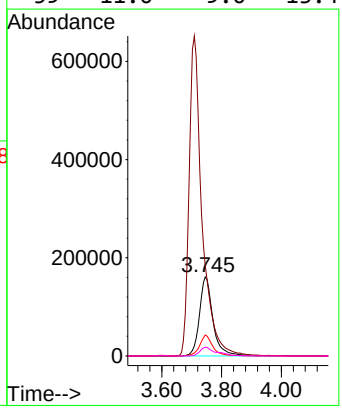


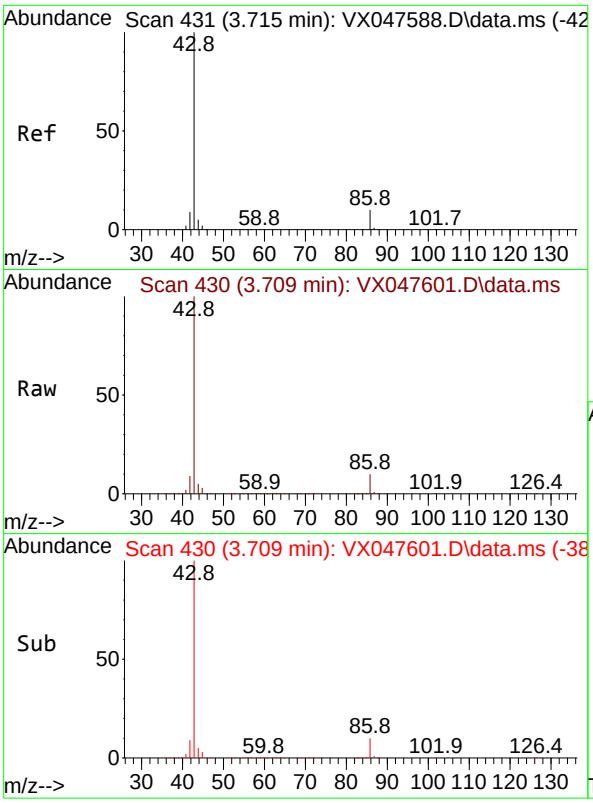


#22
Diisopropyl ether
Concen: 52.144 ug/l
RT: 3.745 min Scan# 436
Delta R.T. -0.012 min
Lab File: VX047601.D
Acq: 17 Sep 2025 08:51

Tgt Ion: 45 Resp: 503750

Ion	Ratio	Lower	Upper
45	100		
43	113.9	81.0	121.4
87	26.6	20.3	30.5
59	11.0	9.0	13.4



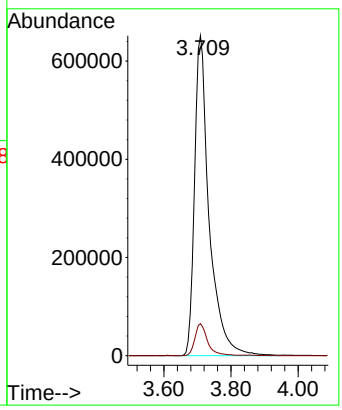


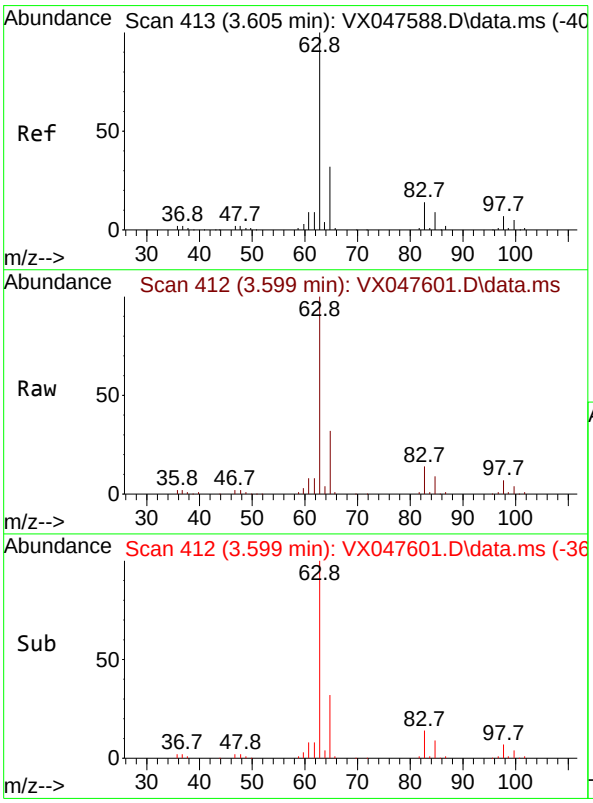
#23
Vinyl Acetate
Concen: 255.362 ug/l
RT: 3.709 min Scan# 4
Delta R.T. -0.006 min
Lab File: VX047601.D
Acq: 17 Sep 2025 08:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 1974431

Ion	Ratio	Lower	Upper
43	100		
86	10.0	7.8	11.8

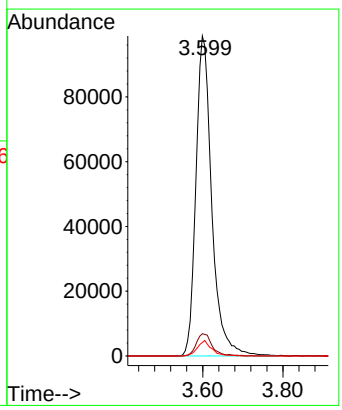


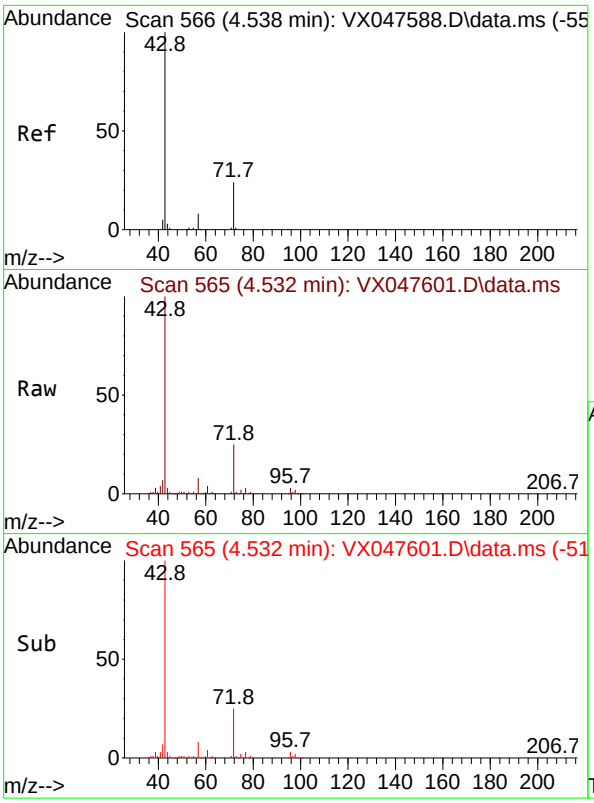


#24
1,1-Dichloroethane
Concen: 52.891 ug/l
RT: 3.599 min Scan# 412
Delta R.T. -0.006 min
Lab File: VX047601.D
Acq: 17 Sep 2025 08:51

Tgt Ion: 63 Resp: 271584

Ion	Ratio	Lower	Upper
63	100		
98	7.5	3.8	11.2
100	4.4	2.3	6.9



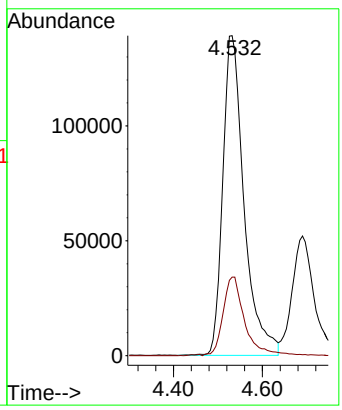


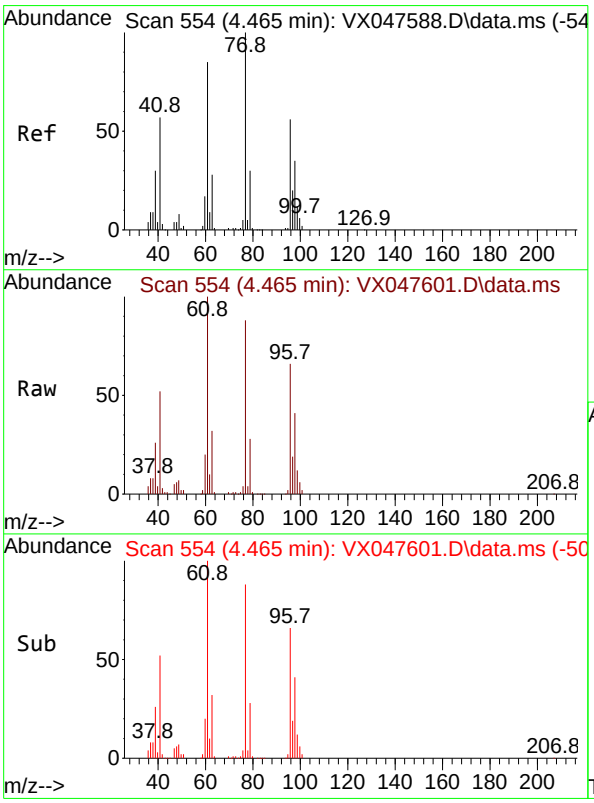
#25
2-Butanone
Concen: 262.937 ug/l
RT: 4.532 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX047601.D
Acq: 17 Sep 2025 08:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 461527

Ion	Ratio	Lower	Upper
43	100		
72	24.6	20.1	30.1

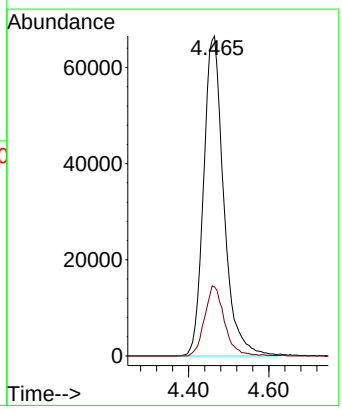


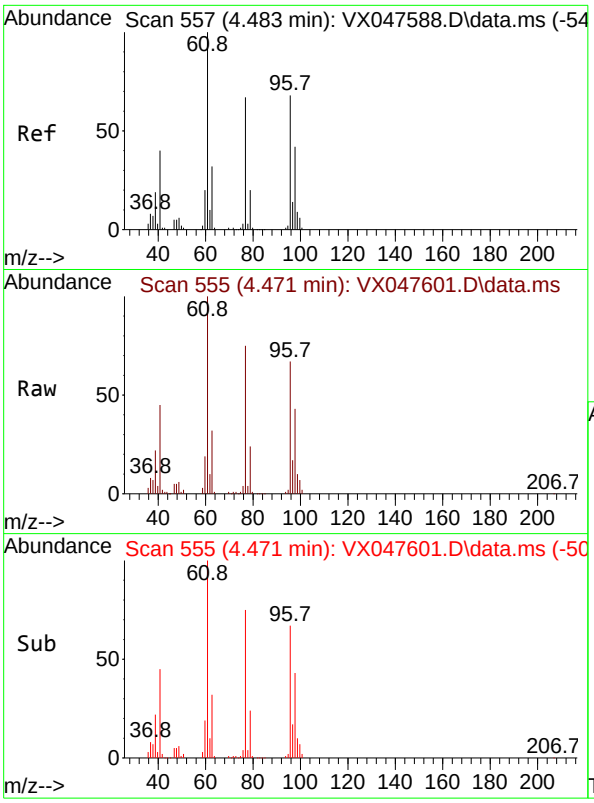


#26
2,2-Dichloropropane
Concen: 54.356 ug/l
RT: 4.465 min Scan# 554
Delta R.T. 0.000 min
Lab File: VX047601.D
Acq: 17 Sep 2025 08:51

Tgt Ion: 77 Resp: 232006

Ion	Ratio	Lower	Upper
77	100		
97	21.5	10.9	32.7



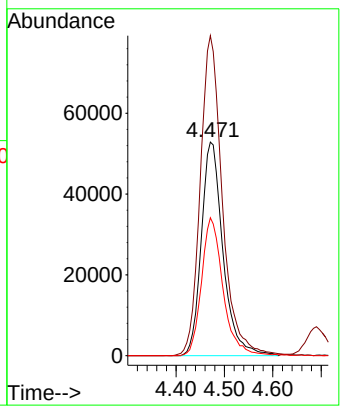


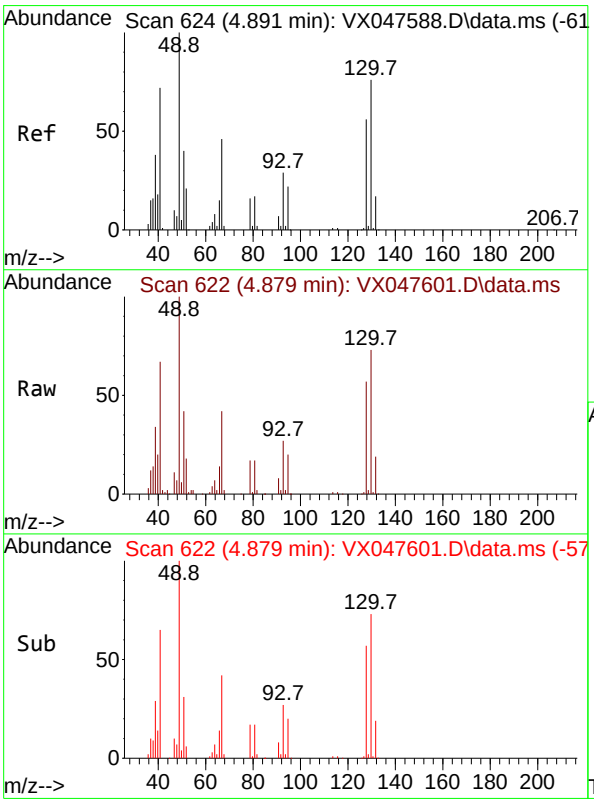
#27
cis-1,2-Dichloroethene
Concen: 51.768 ug/l
RT: 4.471 min Scan# 5
Delta R.T. -0.012 min
Lab File: VX047601.D
Acq: 17 Sep 2025 08:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 96 Resp: 164885

Ion	Ratio	Lower	Upper
96	100		
61	152.7	0.0	303.2
98	64.2	0.0	127.8

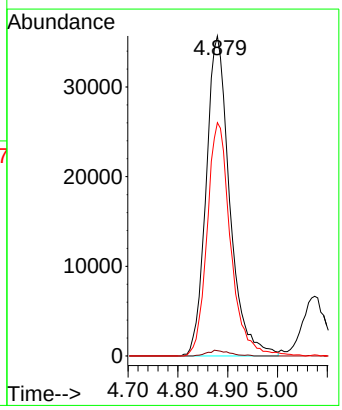


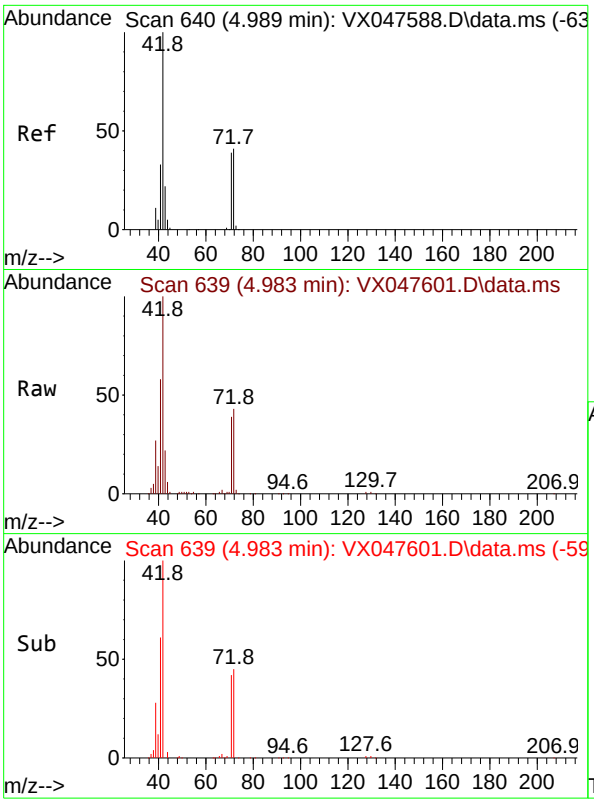


#28
Bromochloromethane
Concen: 52.297 ug/l
RT: 4.879 min Scan# 622
Delta R.T. -0.012 min
Lab File: VX047601.D
Acq: 17 Sep 2025 08:51

Tgt Ion: 49 Resp: 117231

Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.2
130	72.5	57.8	86.8



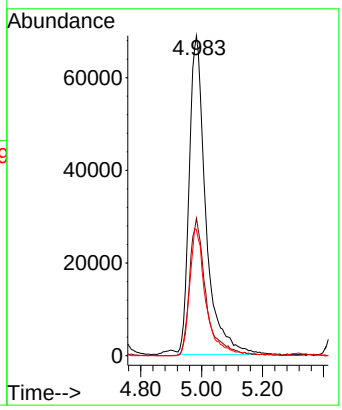


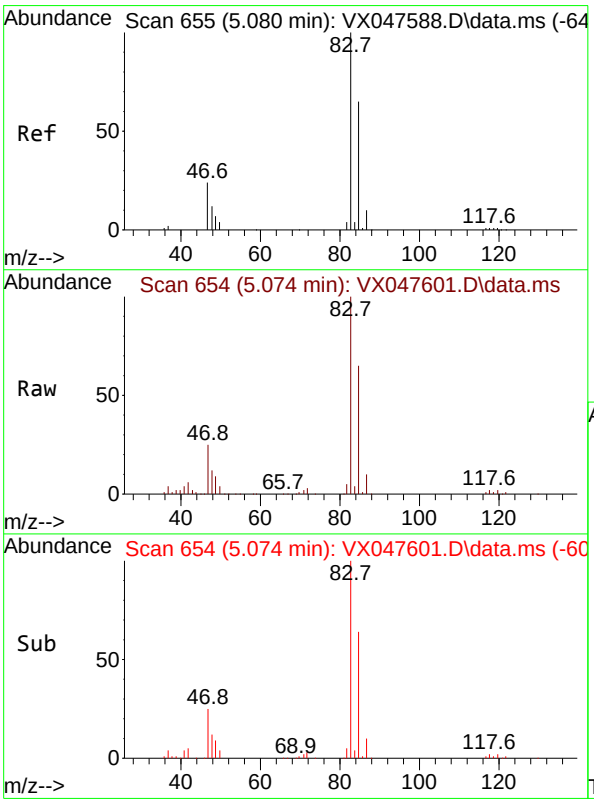
#29
Tetrahydrofuran
Concen: 245.552 ug/l
RT: 4.983 min Scan# 6
Delta R.T. -0.006 min
Lab File: VX047601.D
Acq: 17 Sep 2025 08:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 42 Resp: 259287

Ion	Ratio	Lower	Upper
42	100		
72	42.9	34.2	51.2
71	38.9	31.9	47.9

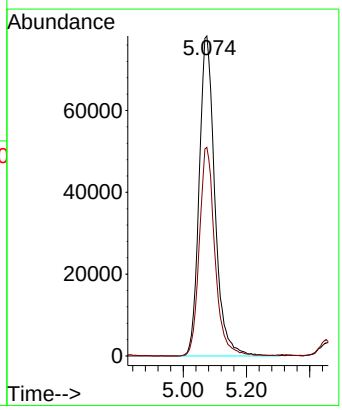


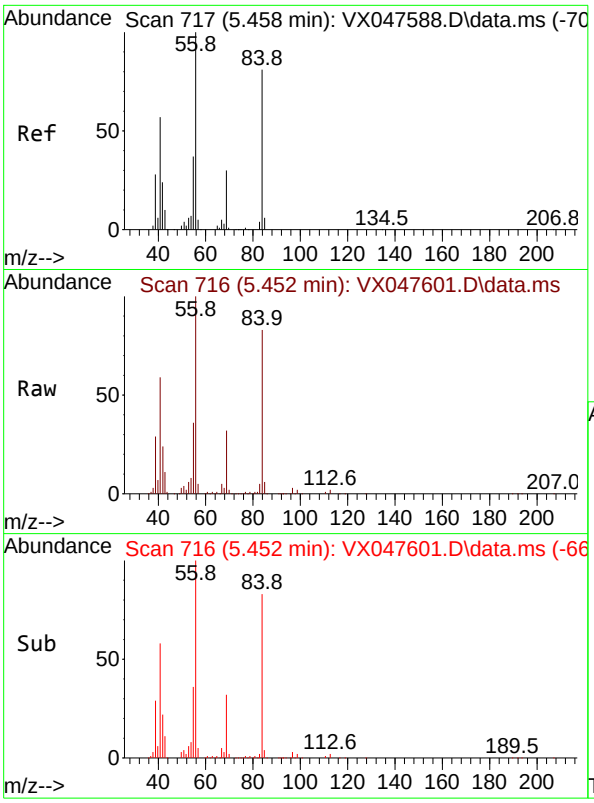


#30
Chloroform
Concen: 51.965 ug/l
RT: 5.074 min Scan# 654
Delta R.T. -0.006 min
Lab File: VX047601.D
Acq: 17 Sep 2025 08:51

Tgt Ion: 83 Resp: 269634

Ion	Ratio	Lower	Upper
83	100		
85	65.2	51.8	77.6



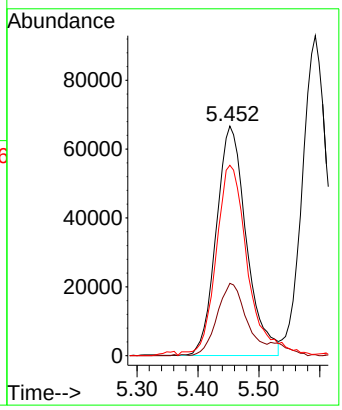


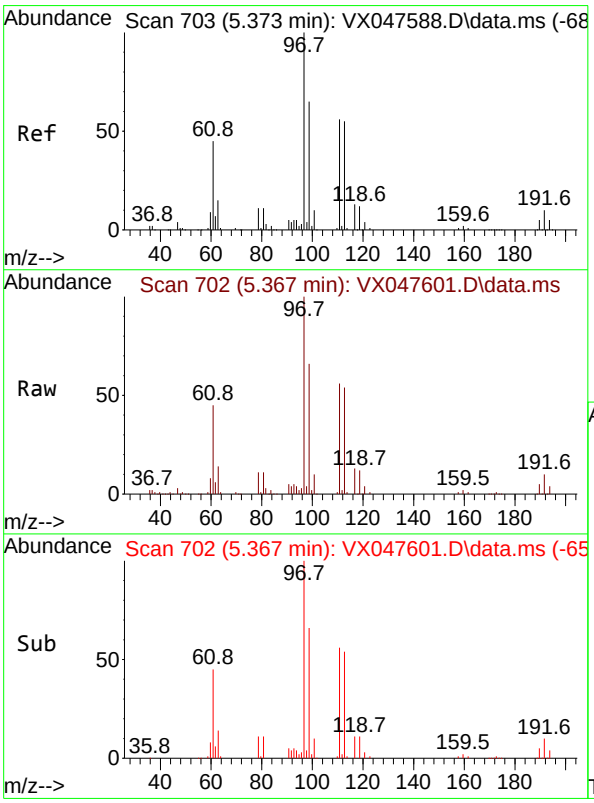
#31
Cyclohexane
Concen: 53.460 ug/l
RT: 5.452 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047601.D
Acq: 17 Sep 2025 08:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 56 Resp: 228628

Ion	Ratio	Lower	Upper
56	100		
69	31.5	23.8	35.8
84	82.9	64.6	97.0

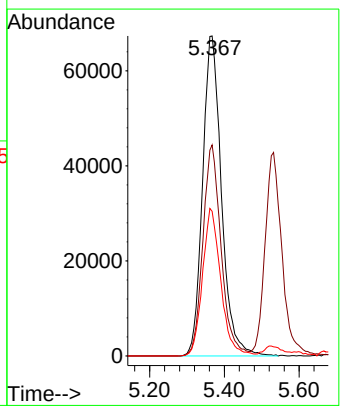


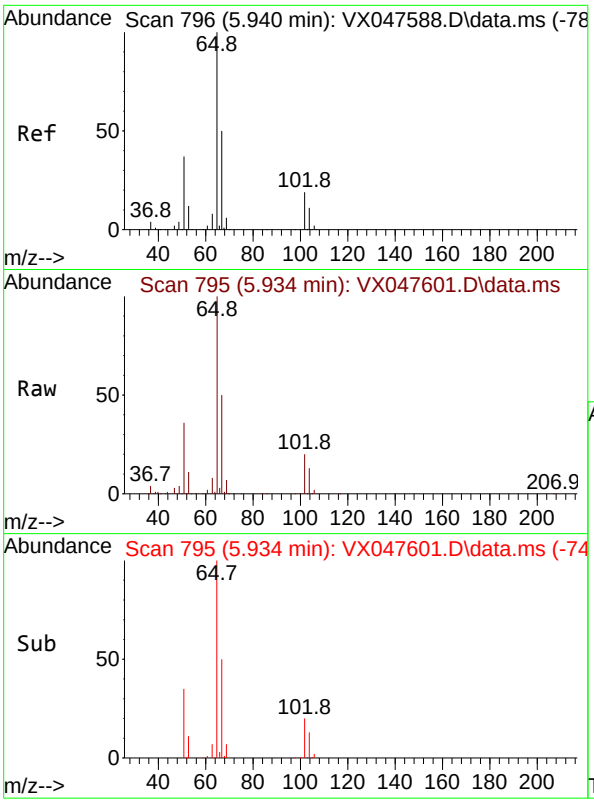


#32
1,1,1-Trichloroethane
Concen: 53.767 ug/l
RT: 5.367 min Scan# 702
Delta R.T. -0.006 min
Lab File: VX047601.D
Acq: 17 Sep 2025 08:51

Tgt Ion: 97 Resp: 236638

Ion	Ratio	Lower	Upper
97	100		
99	63.5	50.6	76.0
61	44.5	35.8	53.8



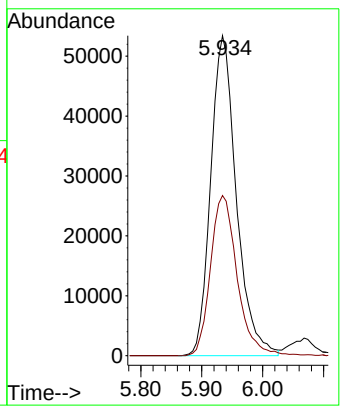


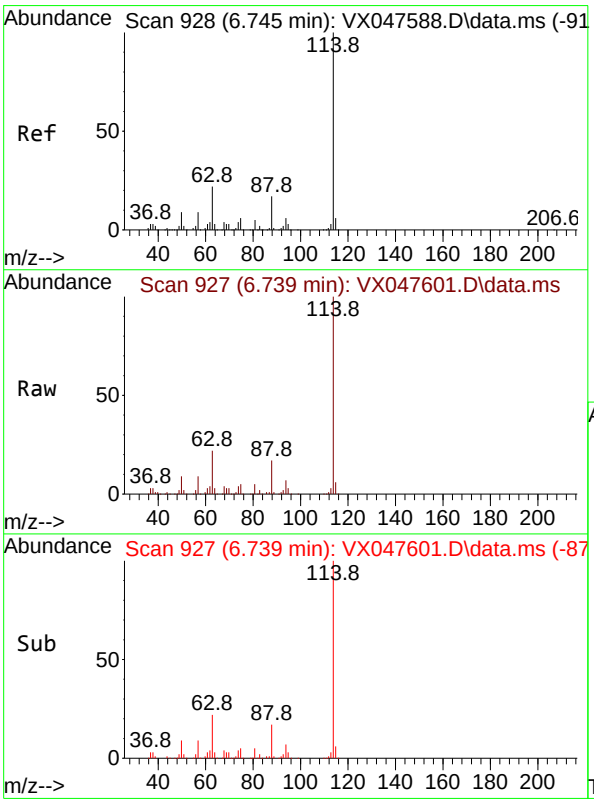
#33
1,2-Dichloroethane-d4
Concen: 48.251 ug/l
RT: 5.934 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047601.D
Acq: 17 Sep 2025 08:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 65 Resp: 156158

Ion	Ratio	Lower	Upper
65	100		
67	52.1	0.0	103.0

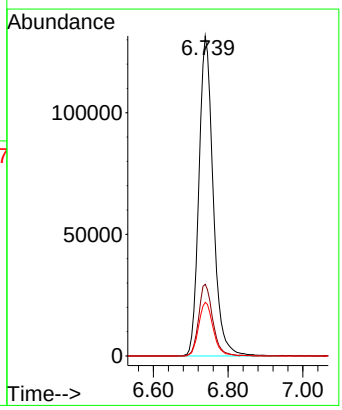


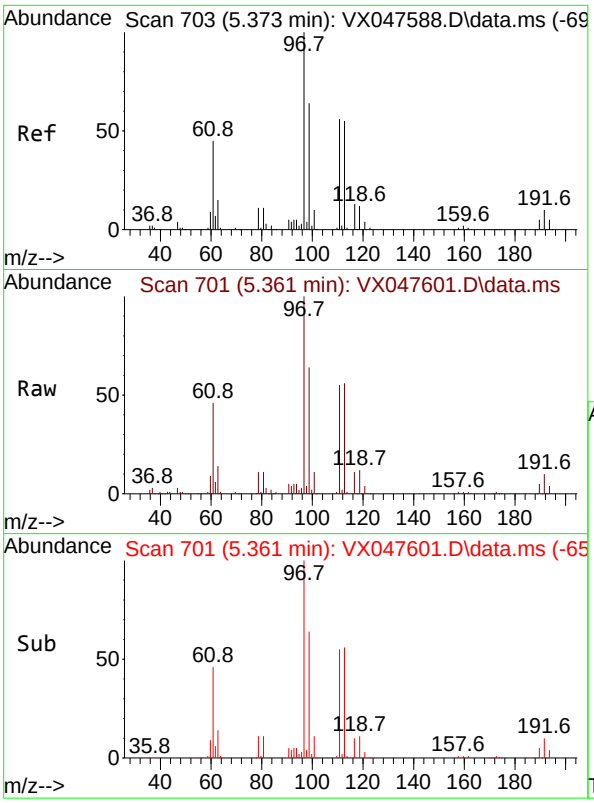


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.739 min Scan# 927
Delta R.T. -0.006 min
Lab File: VX047601.D
Acq: 17 Sep 2025 08:51

Tgt Ion:114 Resp: 347822

Ion	Ratio	Lower	Upper
114	100		
63	22.4	0.0	44.0
88	16.7	0.0	34.2



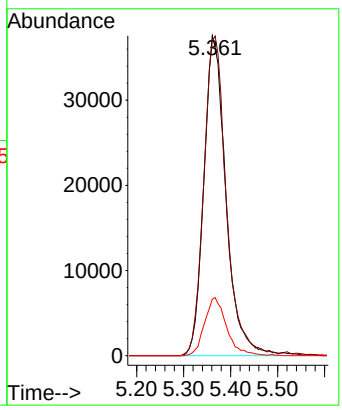


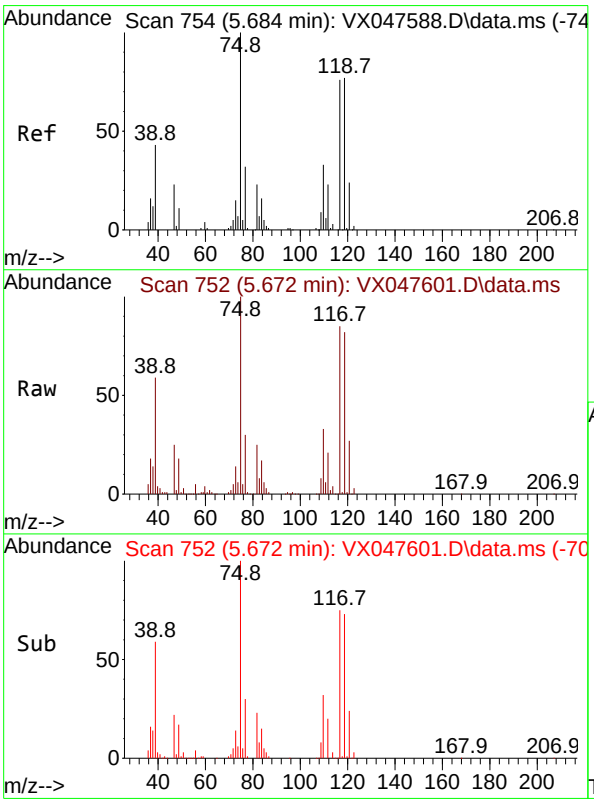
#35
Dibromofluoromethane
Concen: 52.444 ug/l
RT: 5.361 min Scan# 7
Delta R.T. -0.012 min
Lab File: VX047601.D
Acq: 17 Sep 2025 08:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:113 Resp: 122336

Ion	Ratio	Lower	Upper
113	100		
111	101.7	80.9	121.3
192	18.1	14.2	21.4

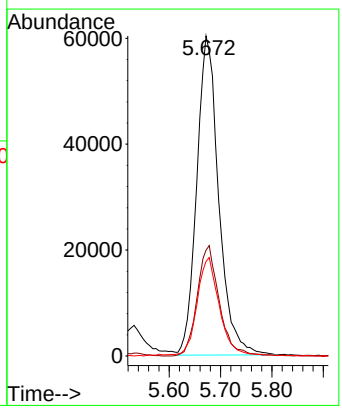


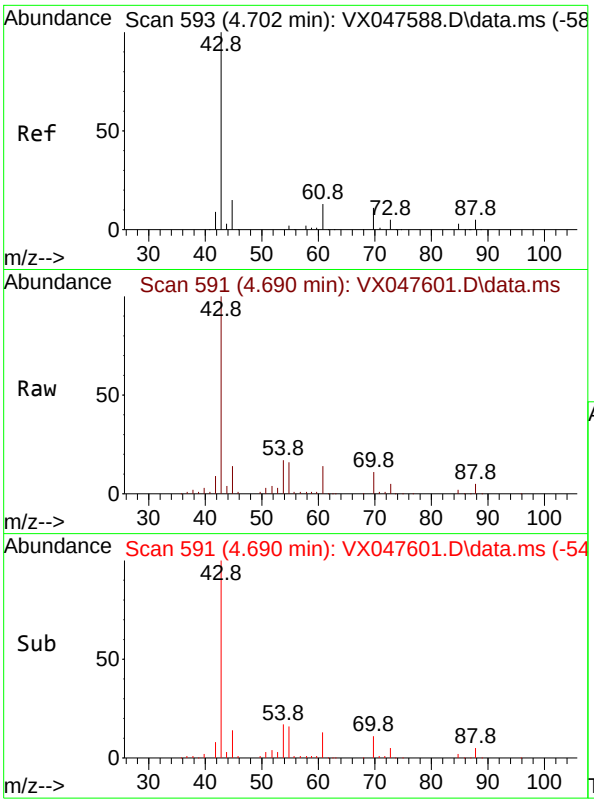


#36
1,1-Dichloropropene
Concen: 52.533 ug/l
RT: 5.672 min Scan# 752
Delta R.T. -0.012 min
Lab File: VX047601.D
Acq: 17 Sep 2025 08:51

Tgt Ion: 75 Resp: 179063

Ion	Ratio	Lower	Upper
75	100		
110	34.6	16.7	50.1
77	31.0	24.3	36.5



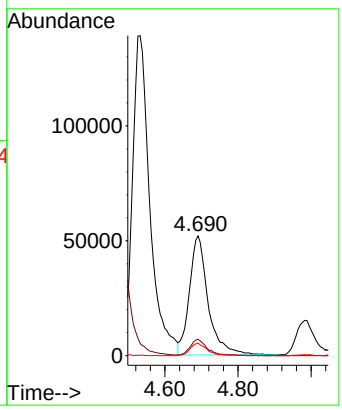


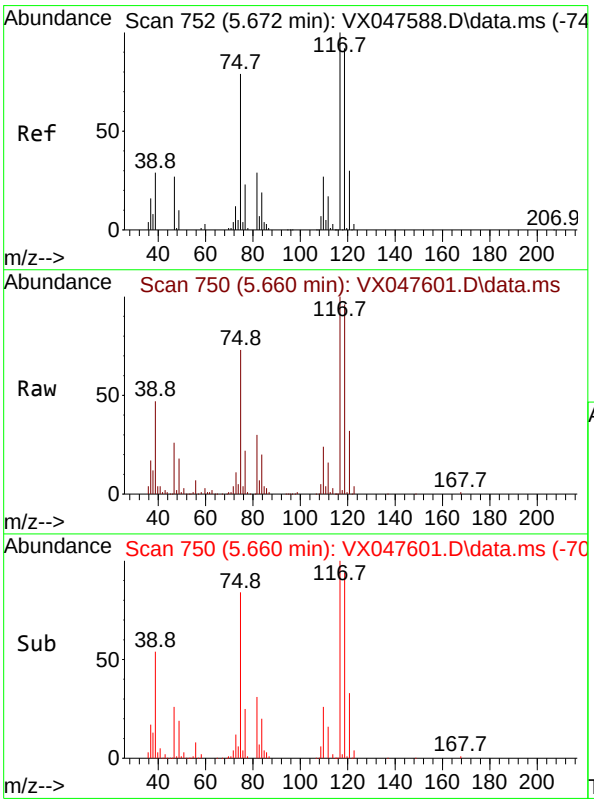
#37
Ethyl Acetate
Concen: 50.738 ug/l
RT: 4.690 min Scan# 5
Delta R.T. -0.012 min
Lab File: VX047601.D
Acq: 17 Sep 2025 08:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 185174

Ion	Ratio	Lower	Upper
43	100		
61	10.9	9.8	14.8
70	9.7	7.9	11.9

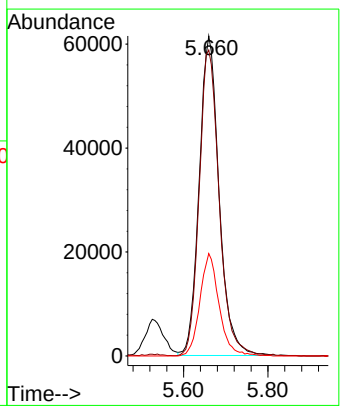


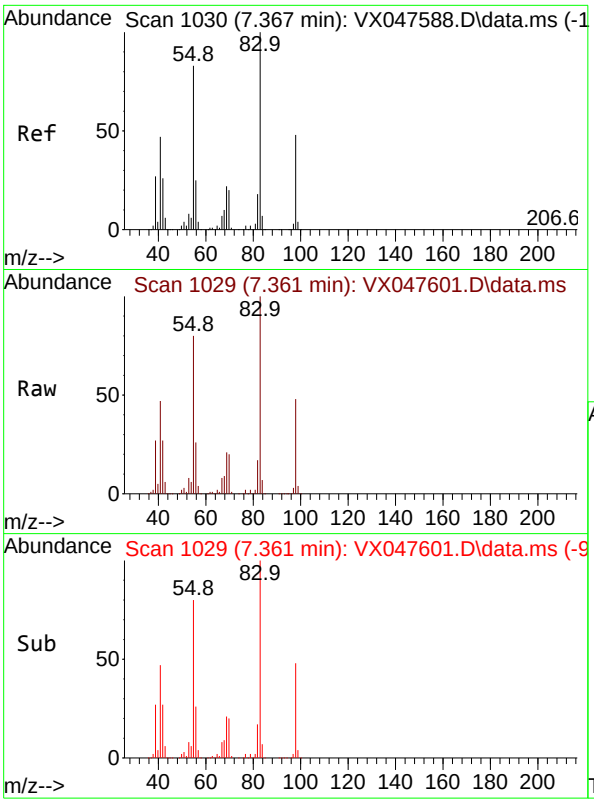


#38
Carbon Tetrachloride
Concen: 54.553 ug/l
RT: 5.660 min Scan# 750
Delta R.T. -0.012 min
Lab File: VX047601.D
Acq: 17 Sep 2025 08:51

Tgt Ion:117 Resp: 202037

Ion	Ratio	Lower	Upper
117	100		
119	95.6	73.4	110.2
121	32.1	23.8	35.6



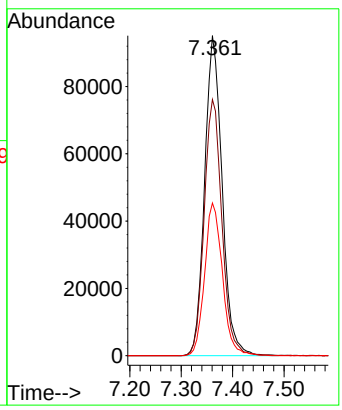


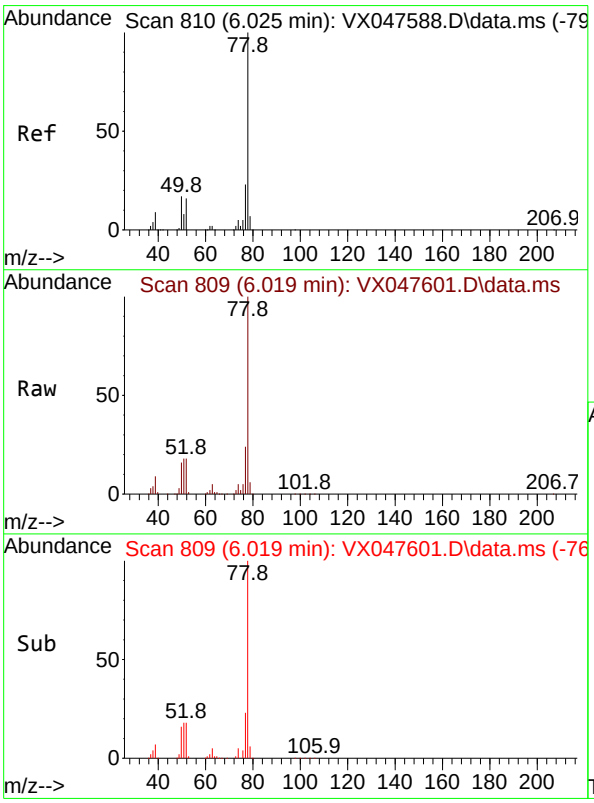
#39
Methylcyclohexane
Concen: 58.054 ug/l
RT: 7.361 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047601.D
Acq: 17 Sep 2025 08:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 224624

Ion	Ratio	Lower	Upper
83	100		
55	80.1	66.4	99.6
98	47.7	38.1	57.1

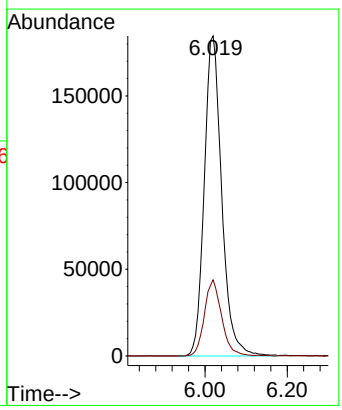


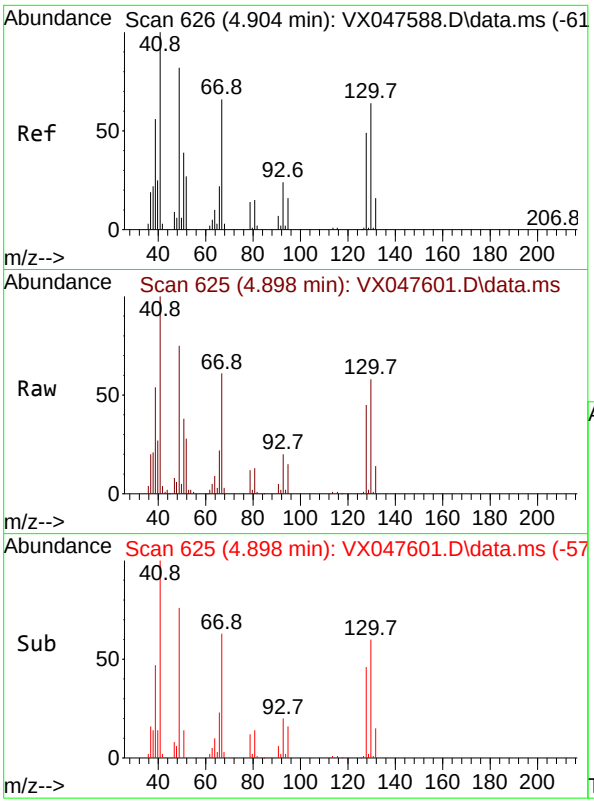


#40
Benzene
Concen: 52.544 ug/l
RT: 6.019 min Scan# 809
Delta R.T. -0.006 min
Lab File: VX047601.D
Acq: 17 Sep 2025 08:51

Tgt Ion: 78 Resp: 543983

Ion	Ratio	Lower	Upper
78	100		
77	23.8	18.8	28.2



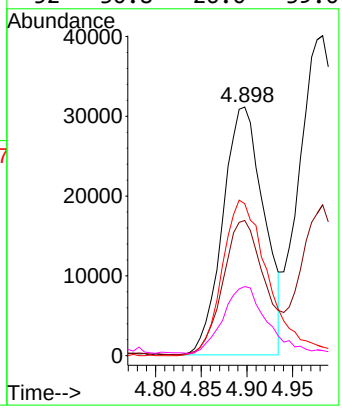


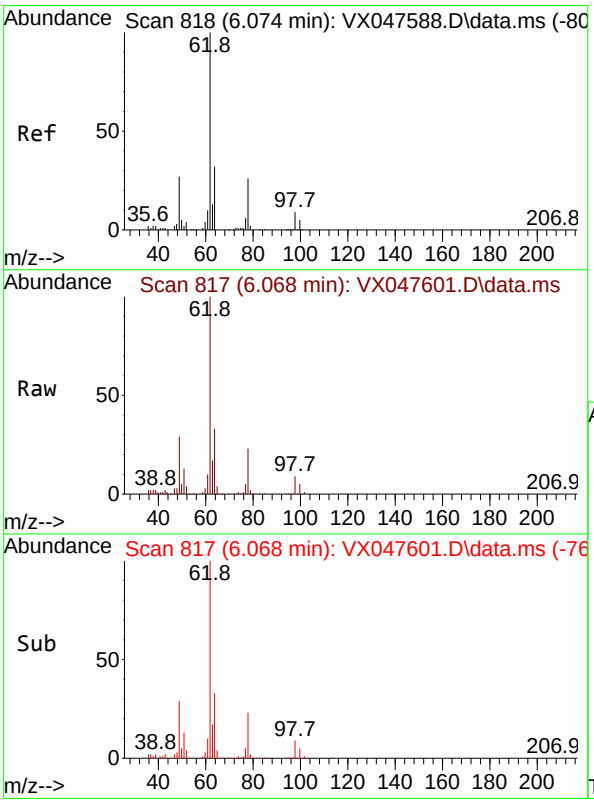
#41
Methacrylonitrile
Concen: 51.658 ug/l
RT: 4.898 min Scan# 6
Delta R.T. -0.006 min
Lab File: VX047601.D
Acq: 17 Sep 2025 08:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 41 Resp: 97332

Ion	Ratio	Lower	Upper
41	100		
39	55.6	43.3	64.9
67	72.4	58.6	87.8
52	30.8	26.0	39.0

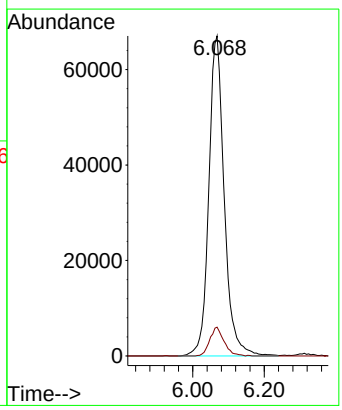


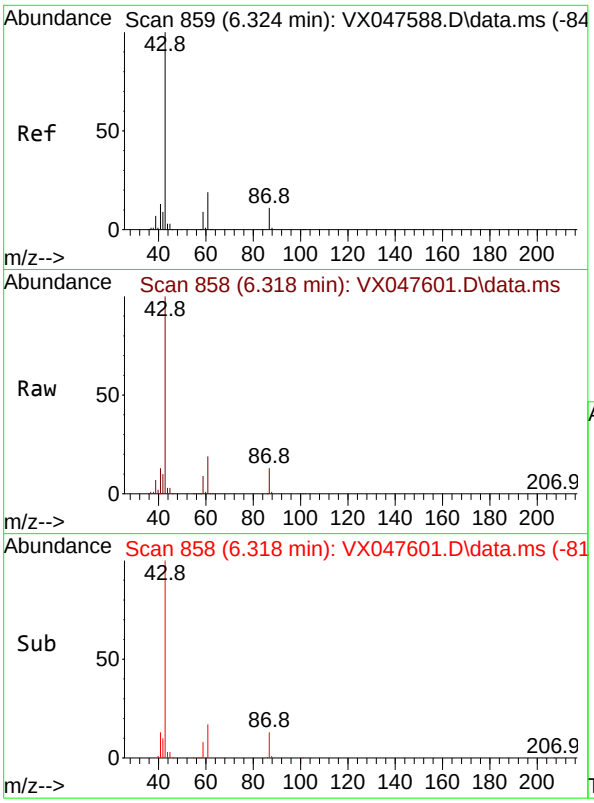


#42
1,2-Dichloroethane
Concen: 50.968 ug/l
RT: 6.068 min Scan# 817
Delta R.T. -0.006 min
Lab File: VX047601.D
Acq: 17 Sep 2025 08:51

Tgt Ion: 62 Resp: 200768

Ion	Ratio	Lower	Upper
62	100		
98	8.4	0.0	17.0



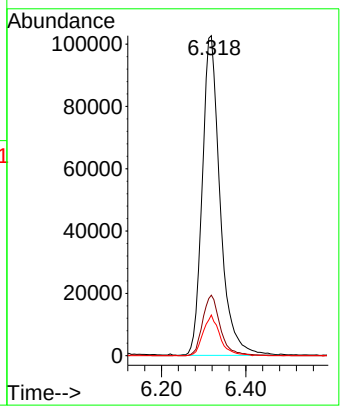


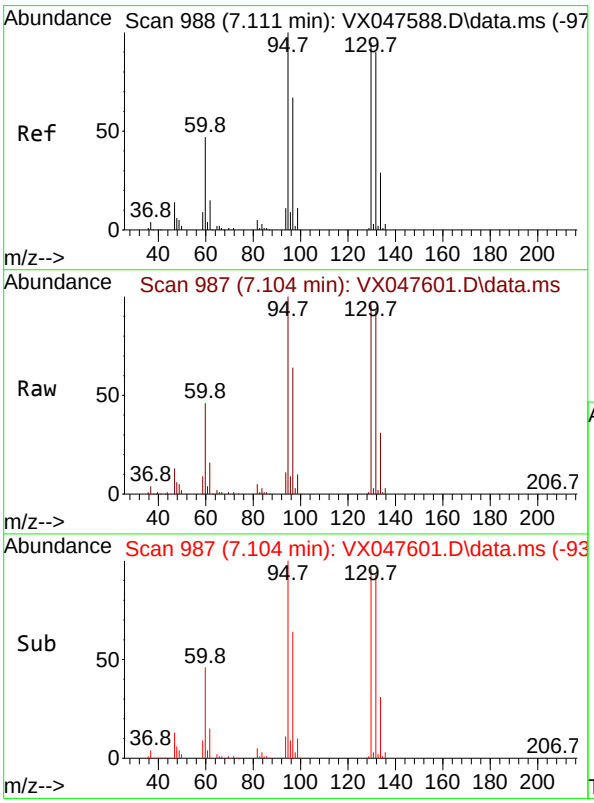
#43
Isopropyl Acetate
Concen: 50.484 ug/l
RT: 6.318 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX047601.D
Acq: 17 Sep 2025 08:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 302179

Ion	Ratio	Lower	Upper
43	100		
61	18.9	15.2	22.8
87	12.0	9.6	14.4

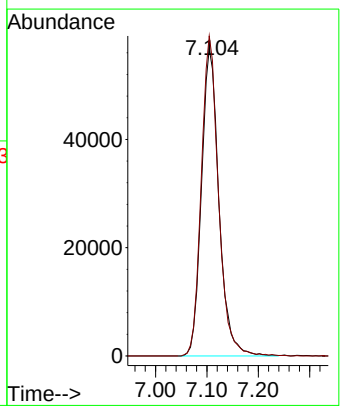


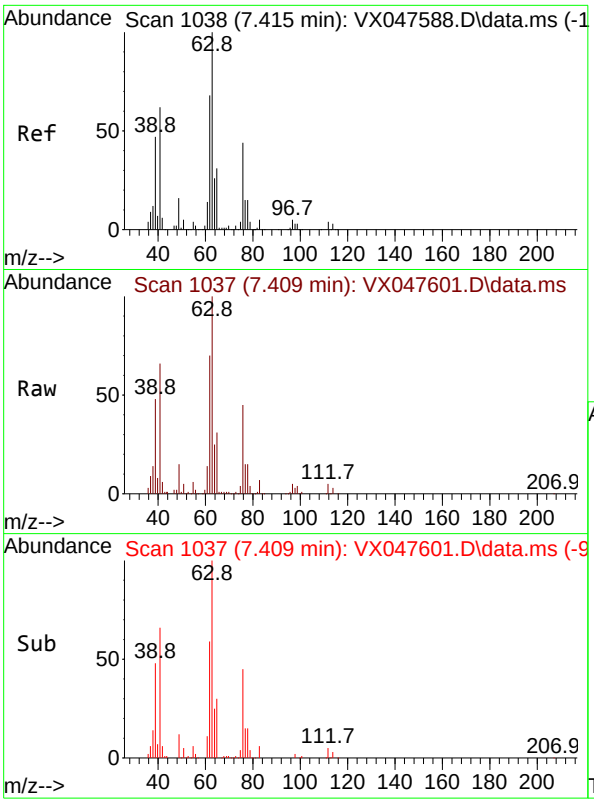


#44
Trichloroethene
Concen: 53.660 ug/l
RT: 7.104 min Scan# 987
Delta R.T. -0.006 min
Lab File: VX047601.D
Acq: 17 Sep 2025 08:51

Tgt Ion:130 Resp: 134308

Ion	Ratio	Lower	Upper
130	100		
95	104.1	0.0	210.8



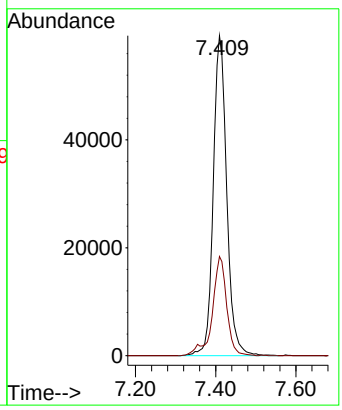


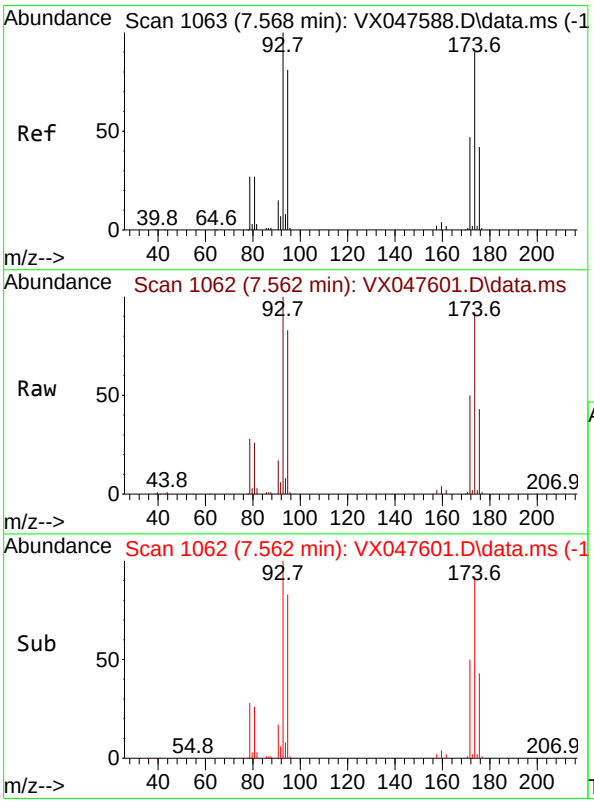
#45
1,2-Dichloropropane
Concen: 52.025 ug/l
RT: 7.409 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047601.D
Acq: 17 Sep 2025 08:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 63 Resp: 137917

Ion	Ratio	Lower	Upper
63	100		
65	31.0	24.7	37.1

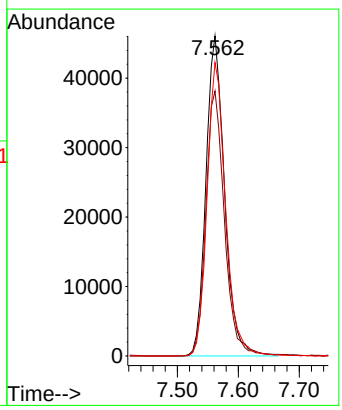


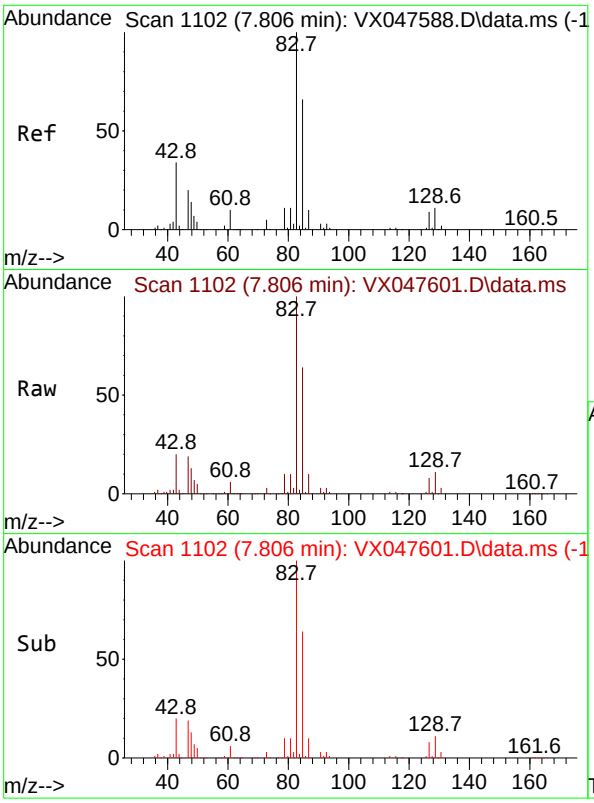


#46
Dibromomethane
Concen: 50.718 ug/l
RT: 7.562 min Scan# 1062
Delta R.T. -0.006 min
Lab File: VX047601.D
Acq: 17 Sep 2025 08:51

Tgt Ion: 93 Resp: 97841

Ion	Ratio	Lower	Upper
93	100		
95	82.9	65.0	97.6
174	91.4	71.6	107.4



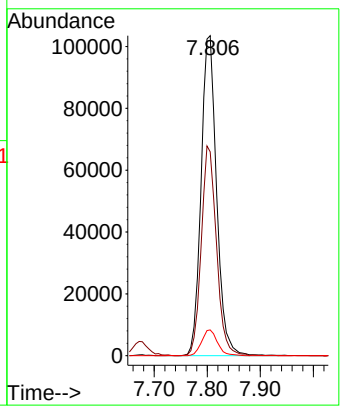


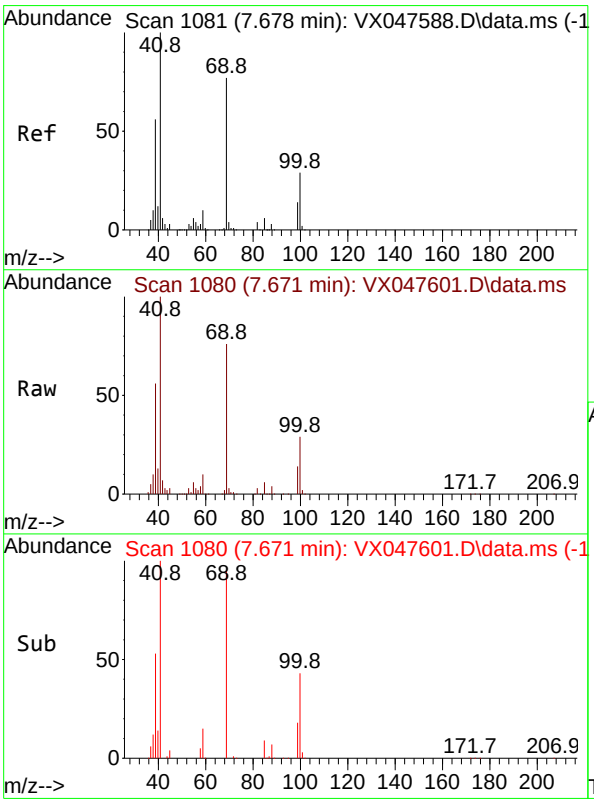
#47
Bromodichloromethane
Concen: 52.844 ug/l
RT: 7.806 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX047601.D
Acq: 17 Sep 2025 08:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 210363

Ion	Ratio	Lower	Upper
83	100		
85	63.7	52.5	78.7
127	8.1	6.9	10.3

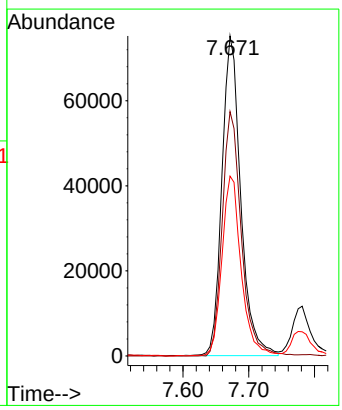


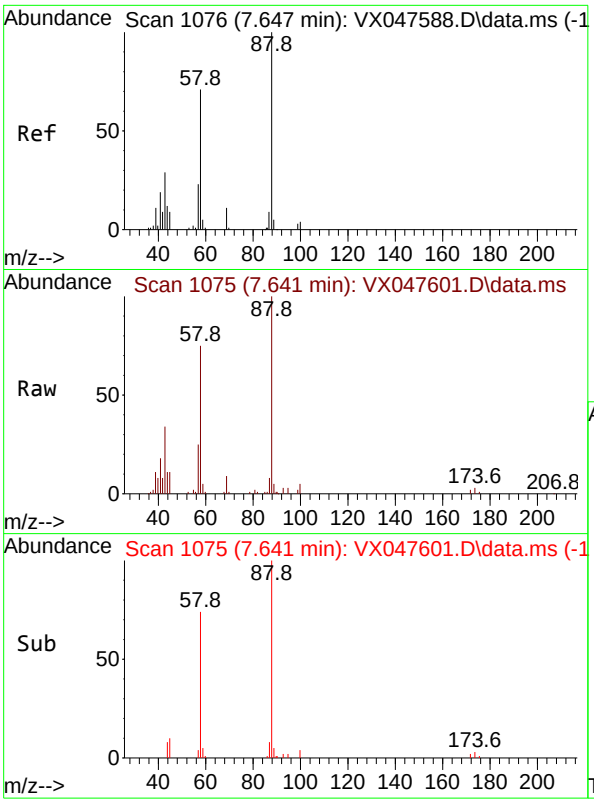


#48
Methyl methacrylate
Concen: 50.209 ug/l
RT: 7.671 min Scan# 1080
Delta R.T. -0.006 min
Lab File: VX047601.D
Acq: 17 Sep 2025 08:51

Tgt Ion: 41 Resp: 149698

Ion	Ratio	Lower	Upper
41	100		
69	77.6	61.4	92.2
39	57.2	45.8	68.6



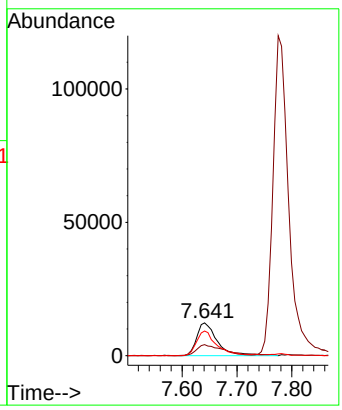


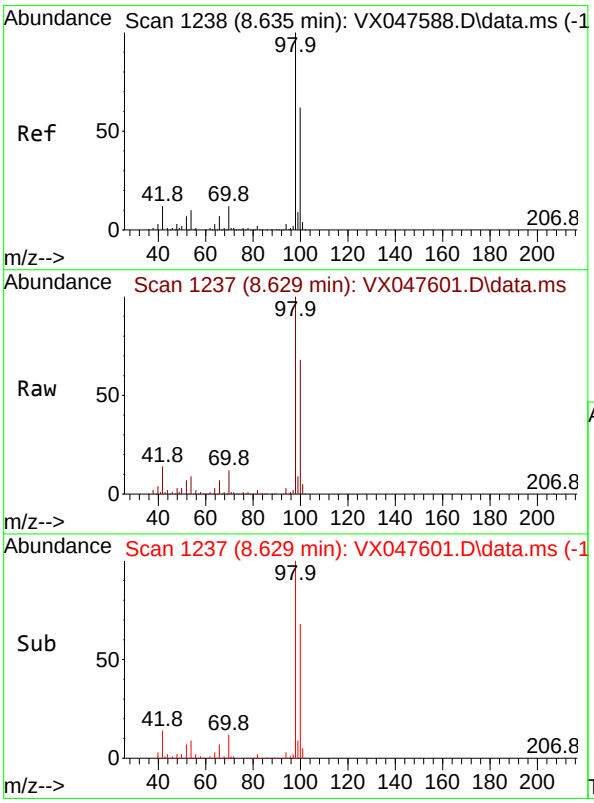
#49
1,4-Dioxane
Concen: 1076.055 ug/l
RT: 7.641 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047601.D
Acq: 17 Sep 2025 08:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 88 Resp: 32423

Ion	Ratio	Lower	Upper
88	100		
43	41.9	30.2	45.2
58	74.7	59.5	89.3

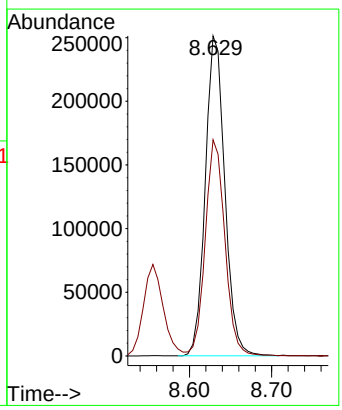


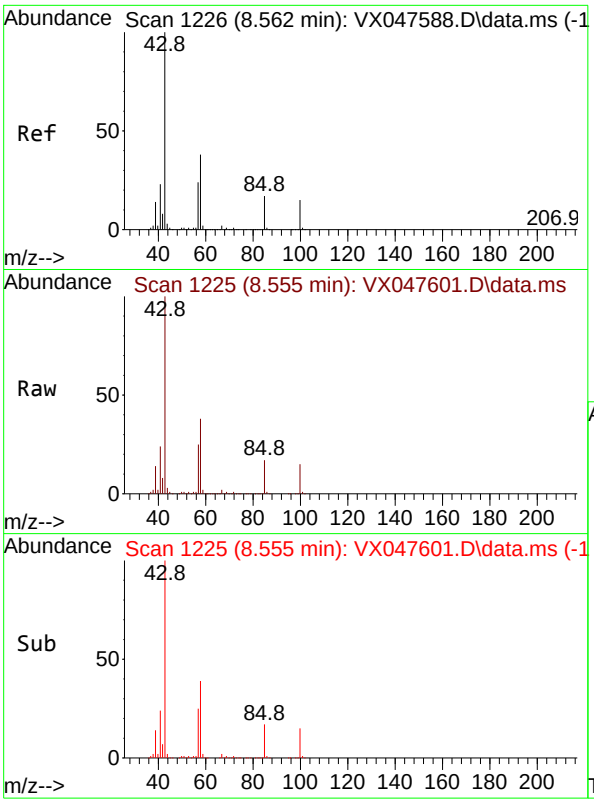


#50
Toluene-d8
Concen: 51.305 ug/l
RT: 8.629 min Scan# 1237
Delta R.T. -0.006 min
Lab File: VX047601.D
Acq: 17 Sep 2025 08:51

Tgt Ion: 98 Resp: 414115

Ion	Ratio	Lower	Upper
98	100		
100	67.9	53.0	79.4



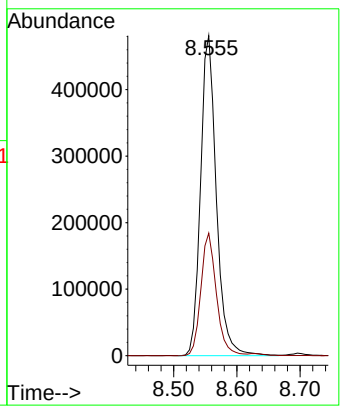


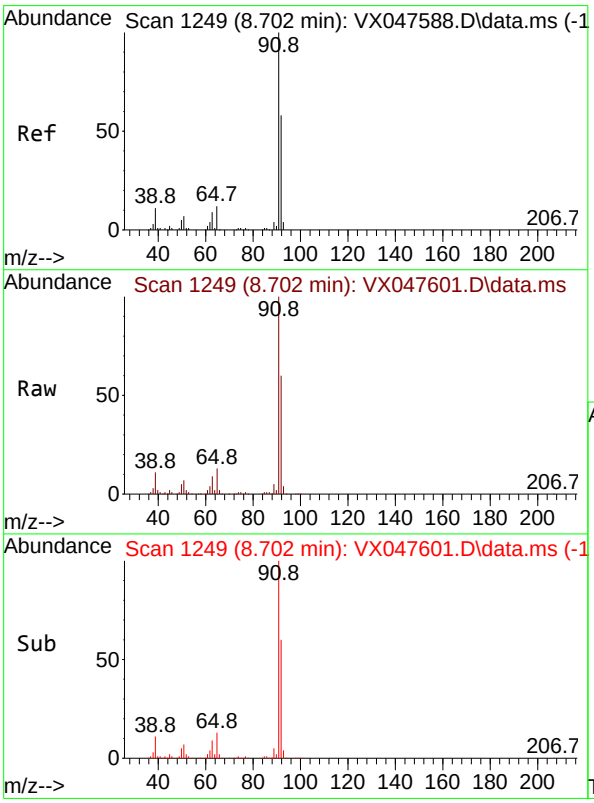
#51
4-Methyl-2-Pentanone
Concen: 252.257 ug/l
RT: 8.555 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047601.D
Acq: 17 Sep 2025 08:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 837167

Ion	Ratio	Lower	Upper
43	100		
58	37.6	30.3	45.5

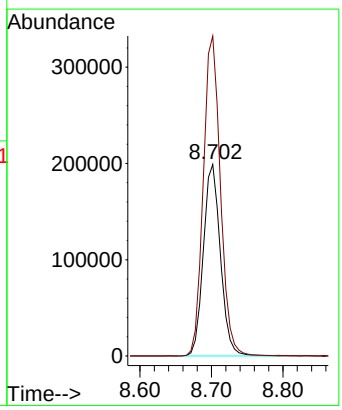


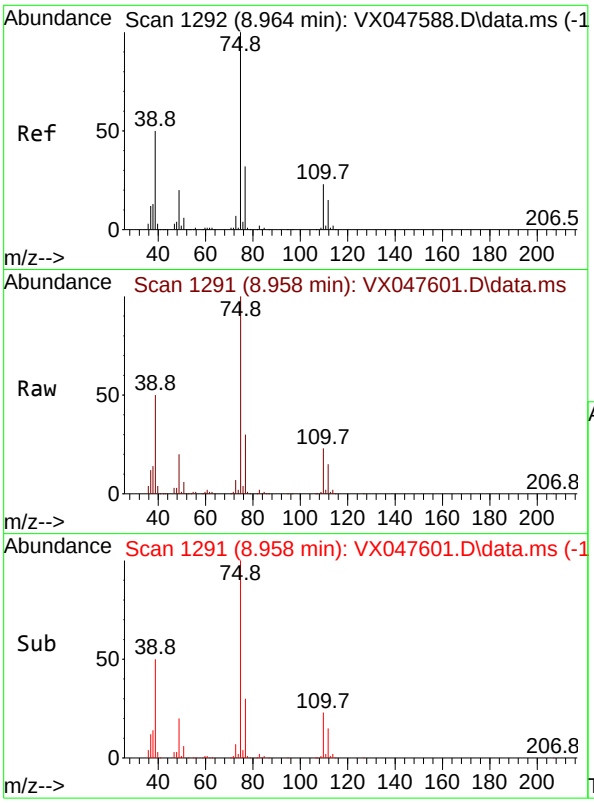


#52
Toluene
Concen: 51.549 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. 0.000 min
Lab File: VX047601.D
Acq: 17 Sep 2025 08:51

Tgt Ion: 92 Resp: 328796

Ion	Ratio	Lower	Upper
92	100		
91	168.3	137.1	205.7



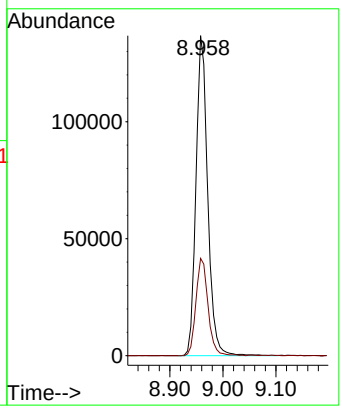


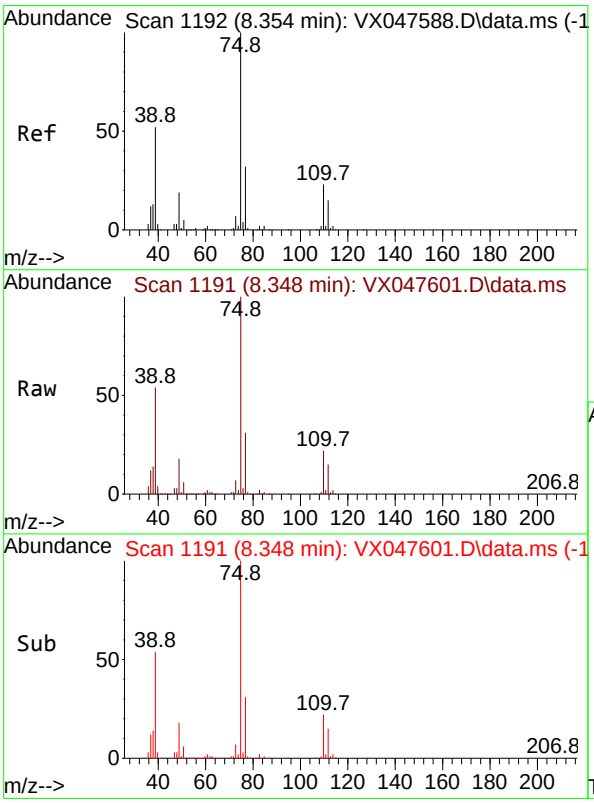
#53
t-1,3-Dichloropropene
Concen: 51.714 ug/l
RT: 8.958 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047601.D
Acq: 17 Sep 2025 08:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 209983

Ion	Ratio	Lower	Upper
75	100		
77	30.4	25.4	38.2

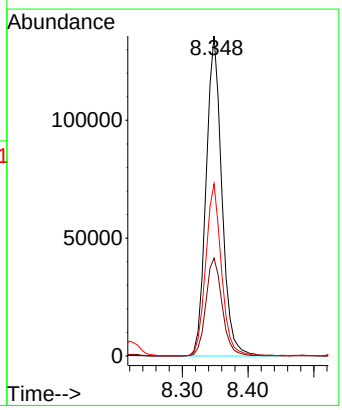


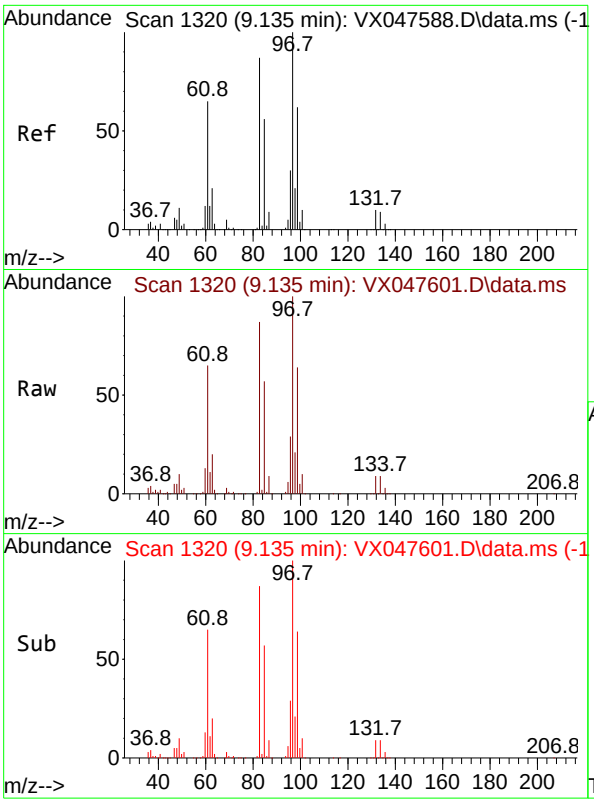


#54
cis-1,3-Dichloropropene
Concen: 52.078 ug/l
RT: 8.348 min Scan# 1191
Delta R.T. -0.006 min
Lab File: VX047601.D
Acq: 17 Sep 2025 08:51

Tgt Ion: 75 Resp: 226019

Ion	Ratio	Lower	Upper
75	100		
77	30.5	25.8	38.6
39	53.7	41.4	62.2



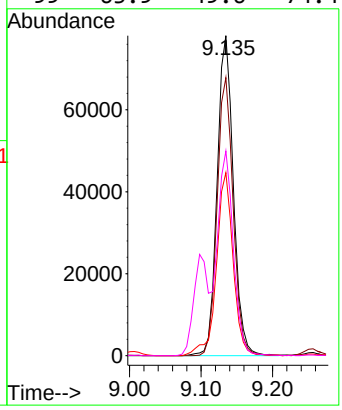


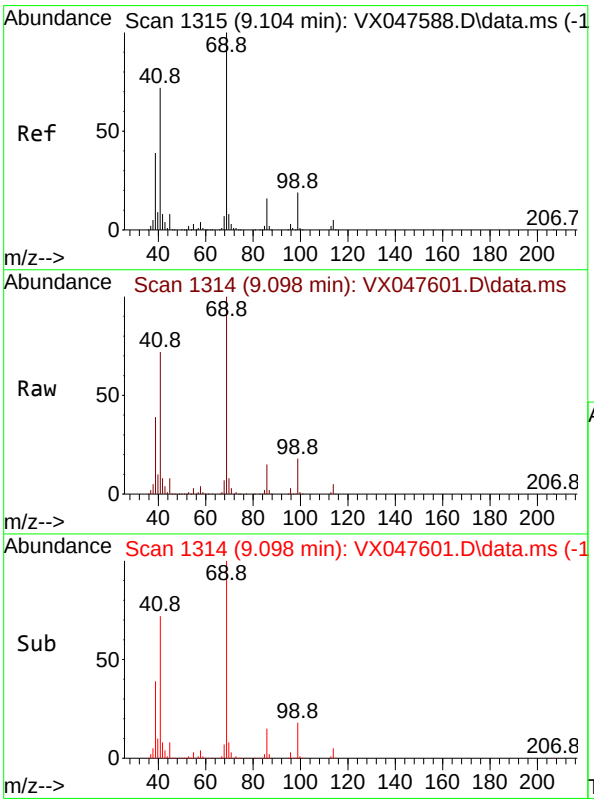
#55
1,1,2-Trichloroethane
Concen: 50.100 ug/l
RT: 9.135 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047601.D
Acq: 17 Sep 2025 08:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 97 Resp: 123219

Ion	Ratio	Lower	Upper
97	100		
83	86.9	69.6	104.4
85	57.2	45.0	67.6
99	63.9	49.6	74.4

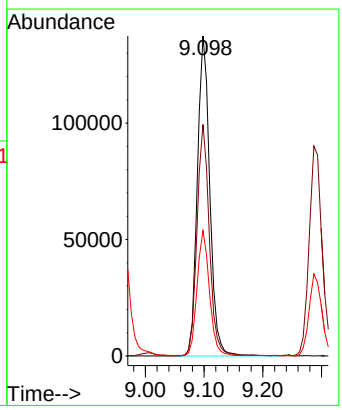


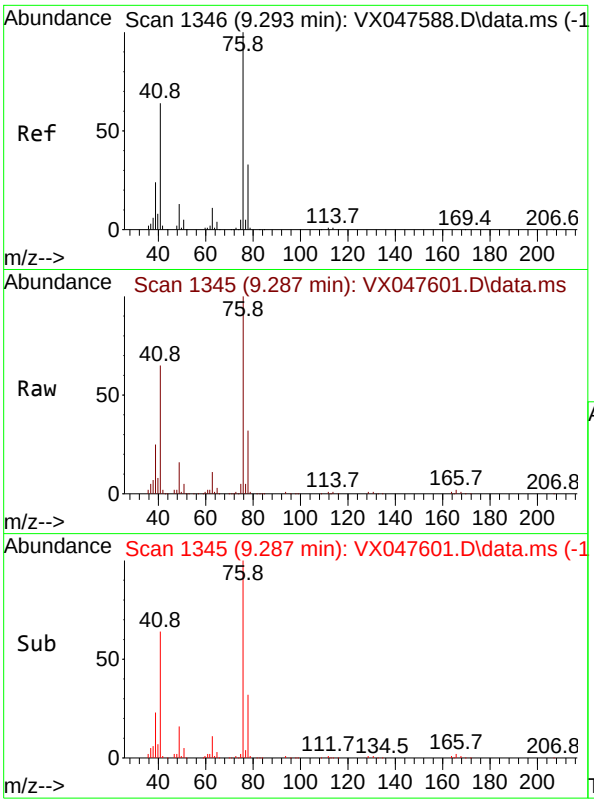


#56
Ethyl methacrylate
Concen: 52.281 ug/l
RT: 9.098 min Scan# 1314
Delta R.T. -0.006 min
Lab File: VX047601.D
Acq: 17 Sep 2025 08:51

Tgt Ion: 69 Resp: 201937

Ion	Ratio	Lower	Upper
69	100		
41	71.6	58.6	87.8
39	38.7	31.5	47.3



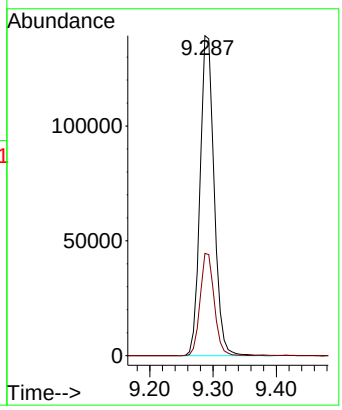


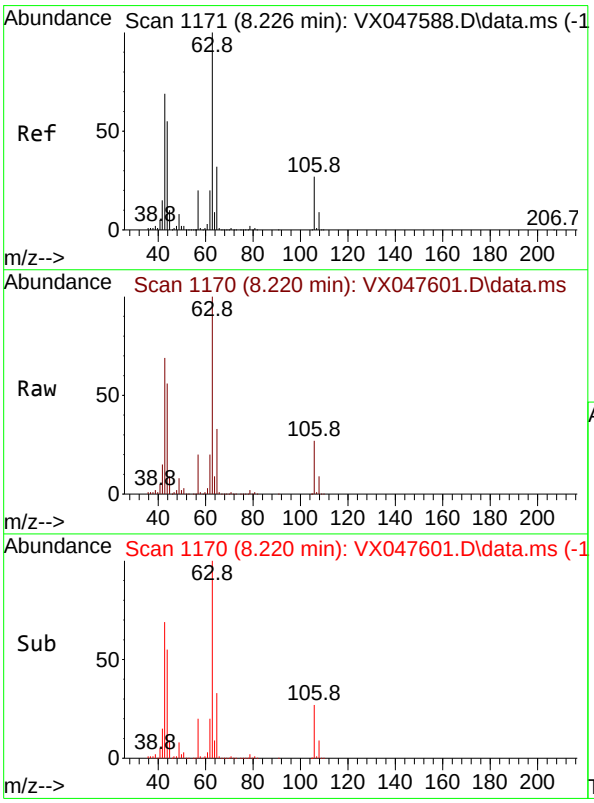
#57
1,3-Dichloropropane
Concen: 51.047 ug/l
RT: 9.287 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047601.D
Acq: 17 Sep 2025 08:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 215669

Ion	Ratio	Lower	Upper
76	100		
78	32.1	26.2	39.4

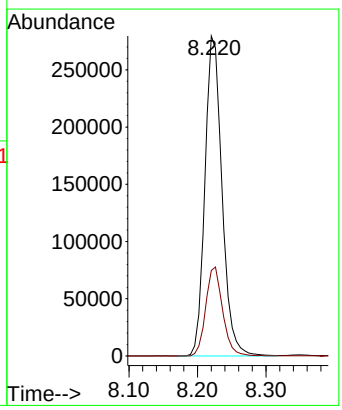


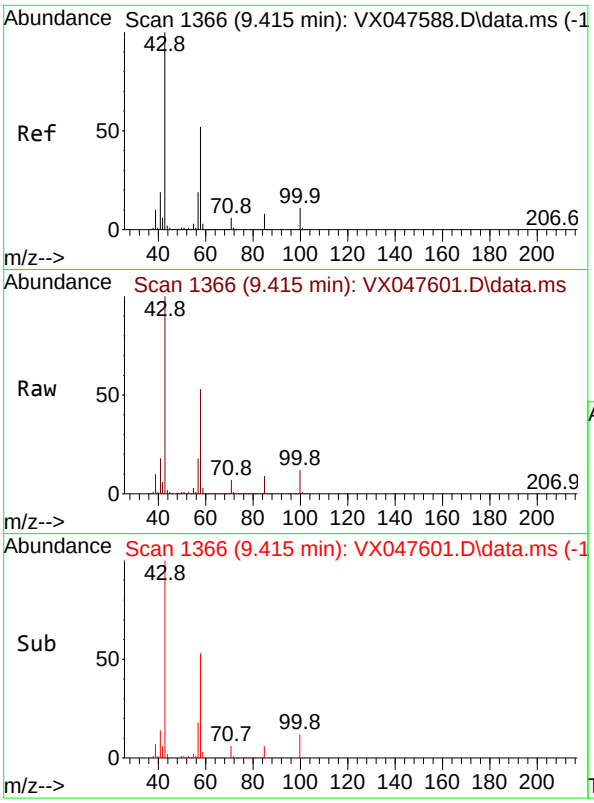


#58
2-Chloroethyl Vinyl ether
Concen: 261.994 ug/l
RT: 8.220 min Scan# 1170
Delta R.T. -0.006 min
Lab File: VX047601.D
Acq: 17 Sep 2025 08:51

Tgt Ion: 63 Resp: 485057

Ion	Ratio	Lower	Upper
63	100		
106	27.5	21.9	32.9



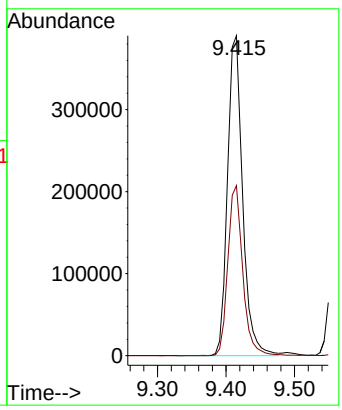


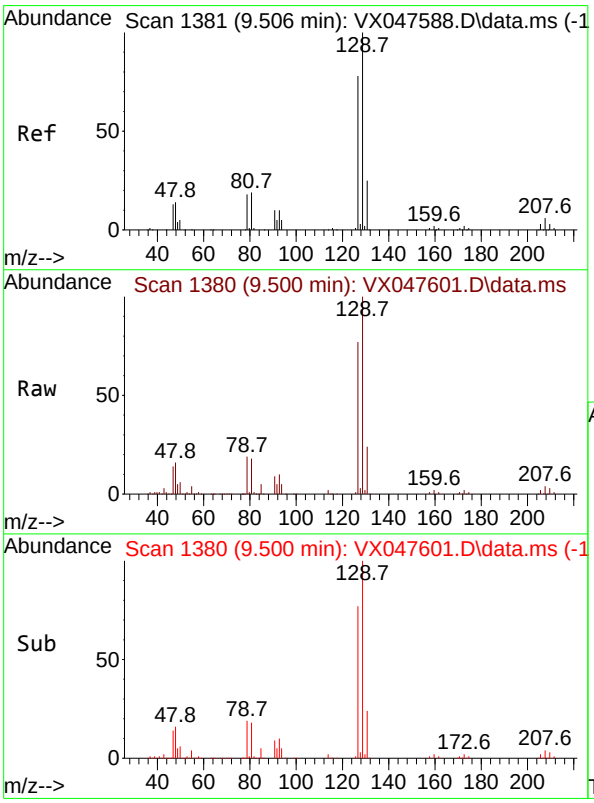
#59
2-Hexanone
Concen: 249.728 ug/l
RT: 9.415 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047601.D
Acq: 17 Sep 2025 08:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 595228

Ion	Ratio	Lower	Upper
43	100		
58	52.6	26.1	78.2

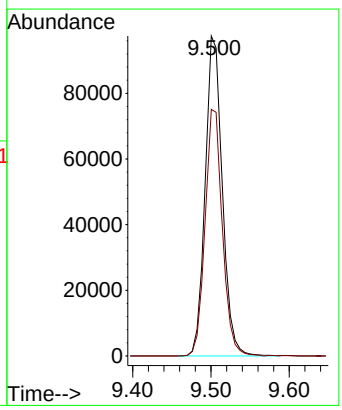


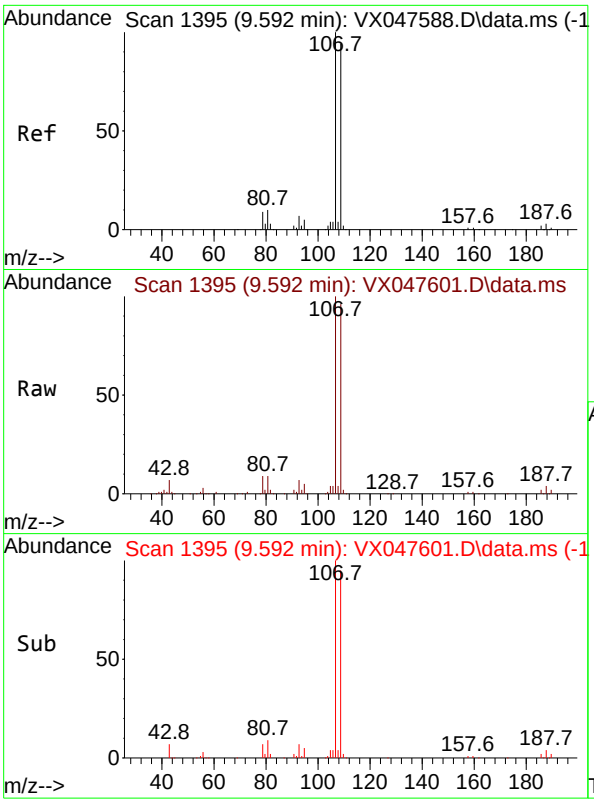


#60
Dibromochloromethane
Concen: 52.158 ug/l
RT: 9.500 min Scan# 1380
Delta R.T. -0.006 min
Lab File: VX047601.D
Acq: 17 Sep 2025 08:51

Tgt Ion:129 Resp: 147809

Ion	Ratio	Lower	Upper
129	100		
127	77.7	38.4	115.2



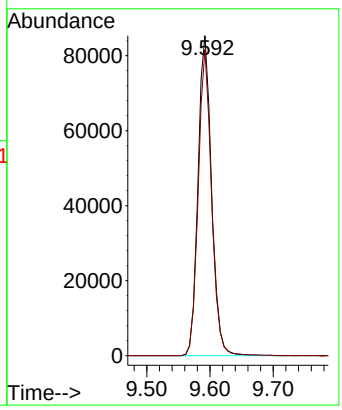


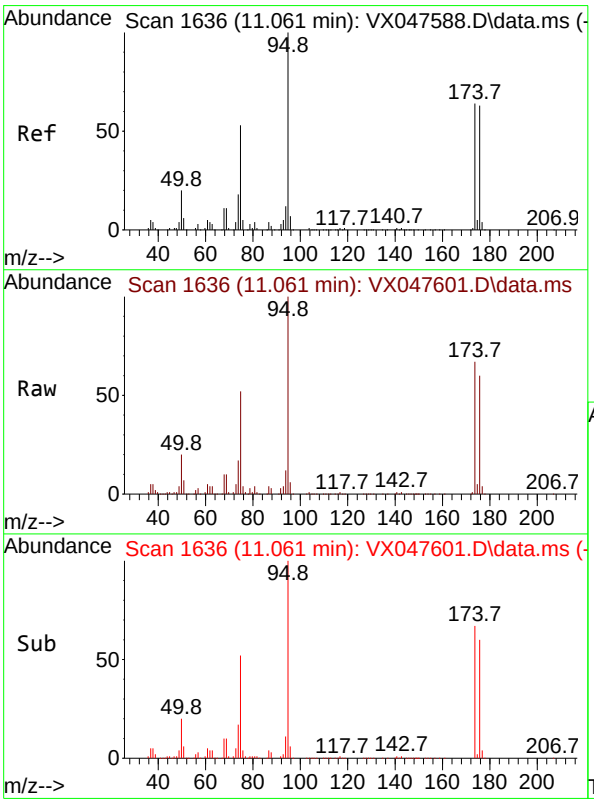
#61
1,2-Dibromoethane
Concen: 50.826 ug/l
RT: 9.592 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047601.D
Acq: 17 Sep 2025 08:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:107 Resp: 127323

Ion	Ratio	Lower	Upper
107	100		
109	94.1	75.3	112.9

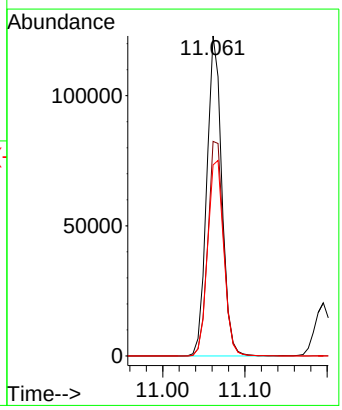


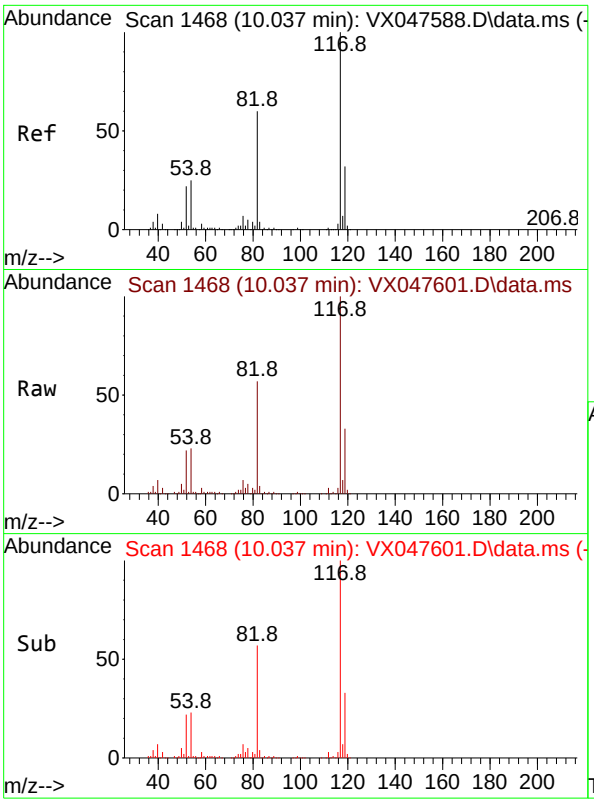


#62
4-Bromofluorobenzene
Concen: 50.857 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. 0.000 min
Lab File: VX047601.D
Acq: 17 Sep 2025 08:51

Tgt Ion: 95 Resp: 155790

Ion	Ratio	Lower	Upper
95	100		
174	70.6	0.0	141.6
176	65.6	0.0	138.4



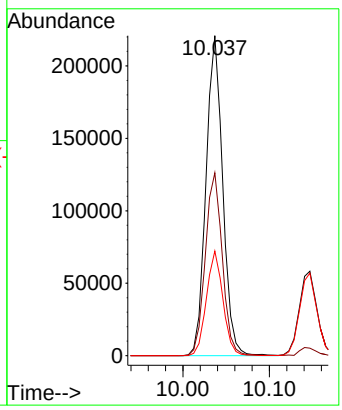


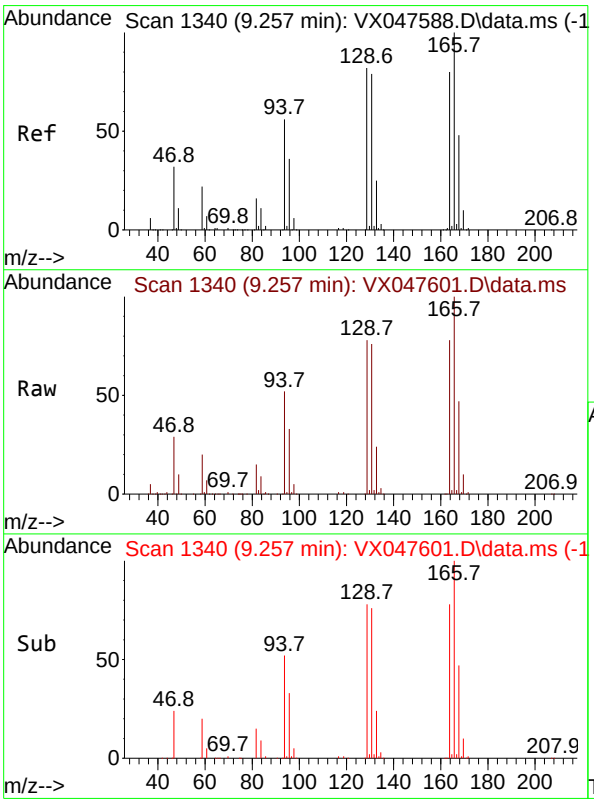
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047601.D
Acq: 17 Sep 2025 08:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:117 Resp: 296232

Ion	Ratio	Lower	Upper
117	100		
82	57.2	47.8	71.6
119	32.7	25.2	37.8

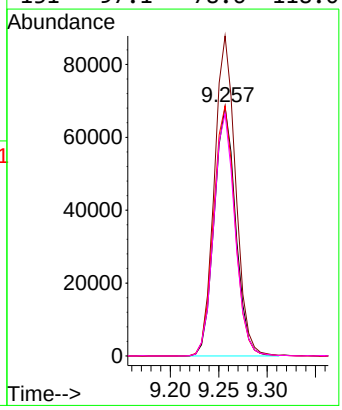


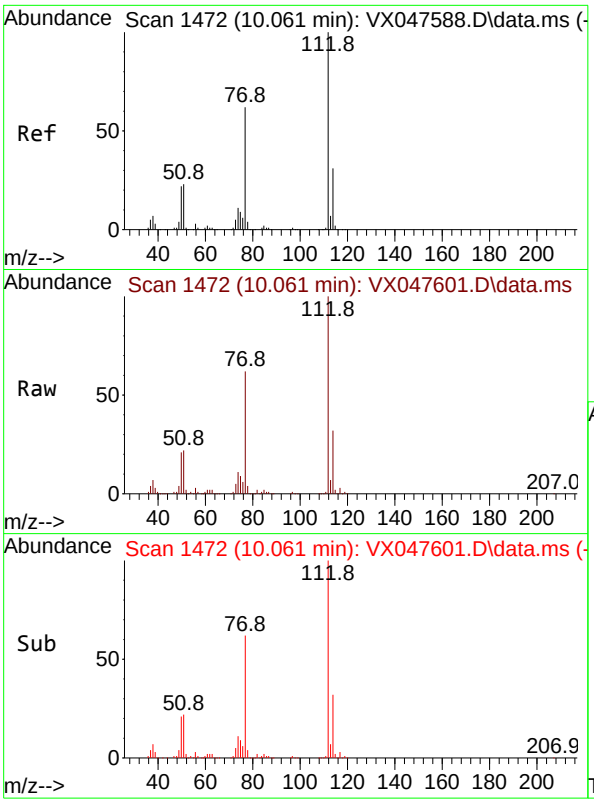


#64
Tetrachloroethene
Concen: 54.187 ug/l
RT: 9.257 min Scan# 1340
Delta R.T. 0.000 min
Lab File: VX047601.D
Acq: 17 Sep 2025 08:51

Tgt Ion:164 Resp: 104642

Ion	Ratio	Lower	Upper
164	100		
166	128.3	100.2	150.2
129	100.2	81.8	122.6
131	97.1	78.6	118.0



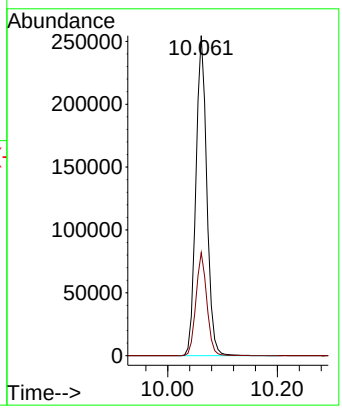


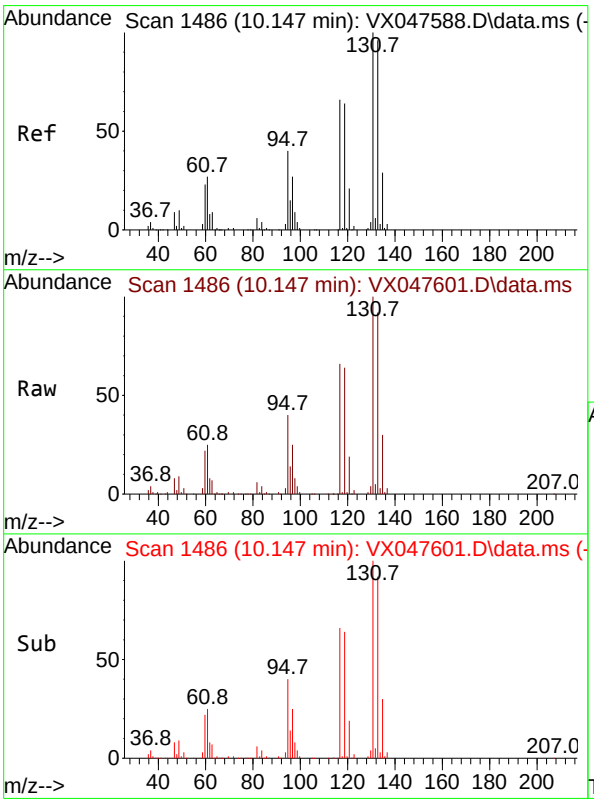
#65
Chlorobenzene
Concen: 52.495 ug/l
RT: 10.061 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047601.D
Acq: 17 Sep 2025 08:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:112 Resp: 353279

Ion	Ratio	Lower	Upper
112	100		
114	32.2	25.1	37.7

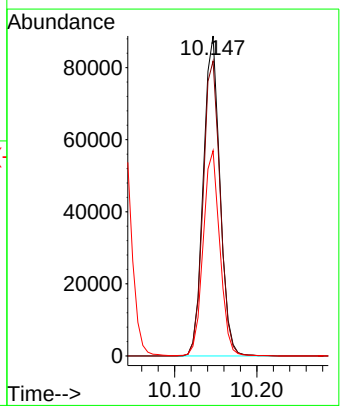


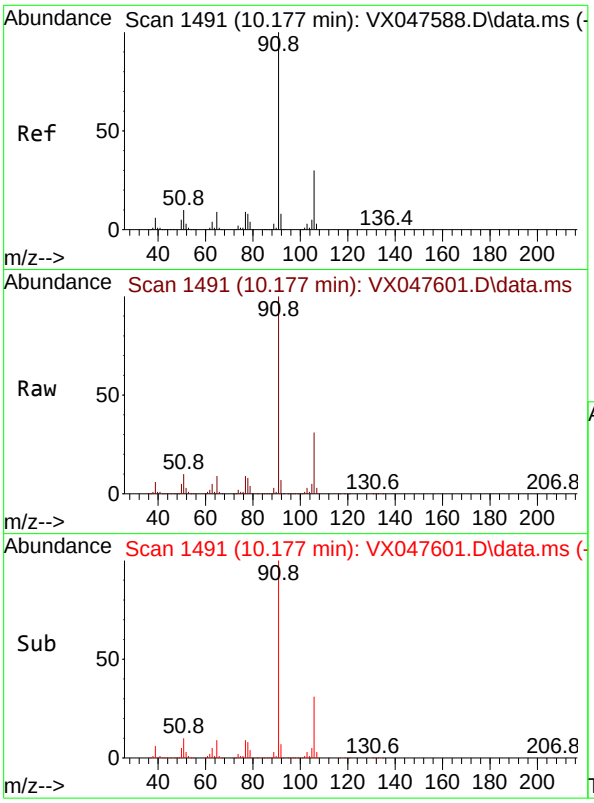


#66
1,1,1,2-Tetrachloroethane
Concen: 53.589 ug/l
RT: 10.147 min Scan# 1486
Delta R.T. 0.000 min
Lab File: VX047601.D
Acq: 17 Sep 2025 08:51

Tgt Ion:131 Resp: 124449

Ion	Ratio	Lower	Upper
131	100		
133	94.7	47.3	142.0
119	64.6	32.0	96.0



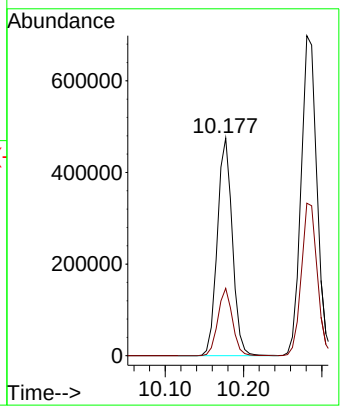


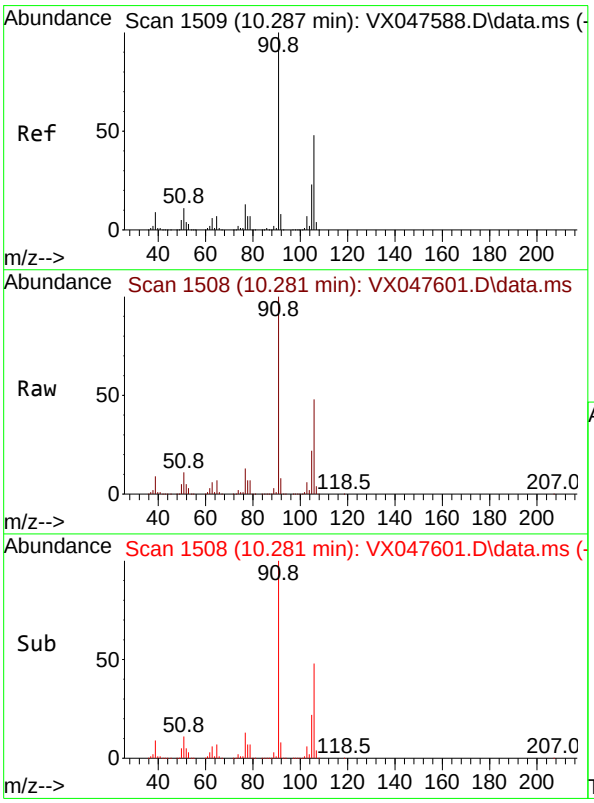
#67
Ethyl Benzene
Concen: 54.505 ug/l
RT: 10.177 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047601.D
Acq: 17 Sep 2025 08:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 632906

Ion	Ratio	Lower	Upper
91	100		
106	31.0	24.3	36.5

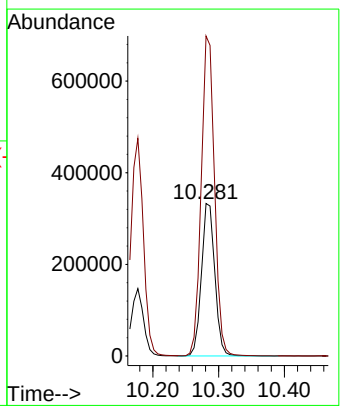


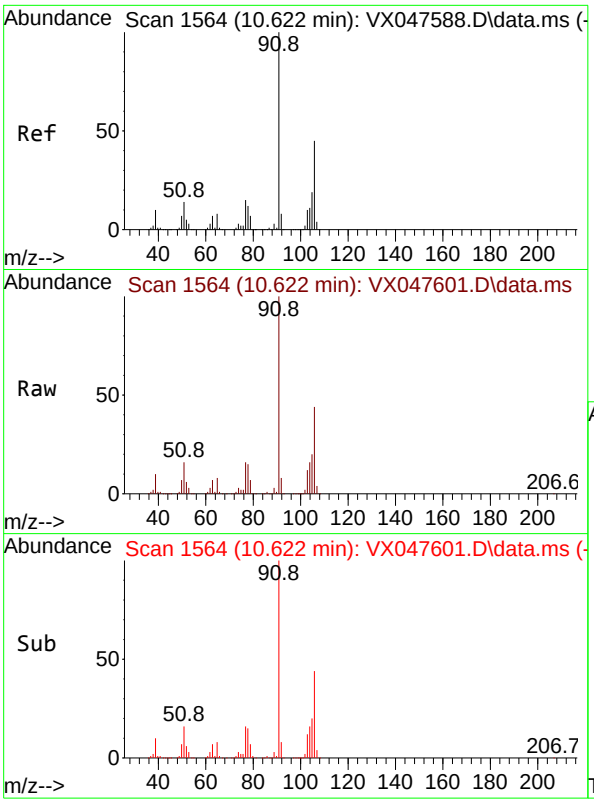


#68
m/p-Xylenes
Concen: 108.664 ug/l
RT: 10.281 min Scan# 1508
Delta R.T. -0.006 min
Lab File: VX047601.D
Acq: 17 Sep 2025 08:51

Tgt Ion:106 Resp: 469648

Ion	Ratio	Lower	Upper
106	100		
91	209.4	167.8	251.8



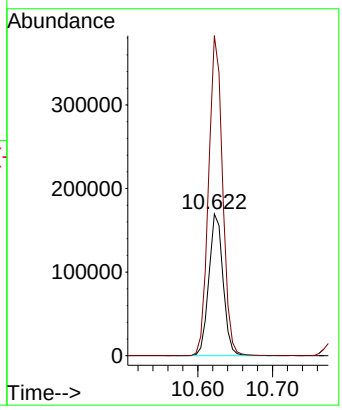


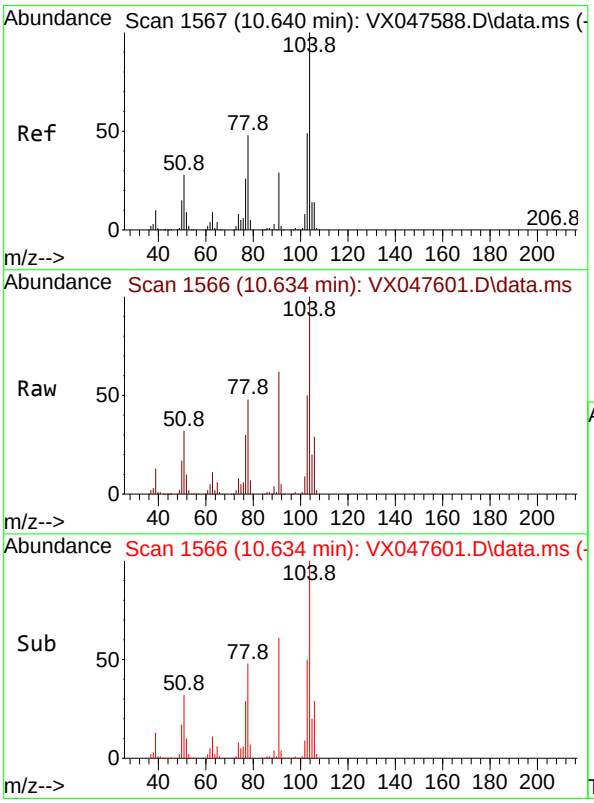
#69
o-Xylene
Concen: 53.647 ug/l
RT: 10.622 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047601.D
Acq: 17 Sep 2025 08:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:106 Resp: 224265

Ion	Ratio	Lower	Upper
106	100		
91	222.7	111.1	333.4

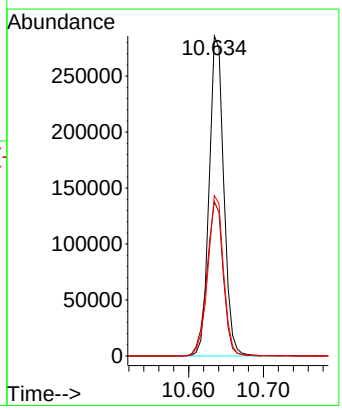


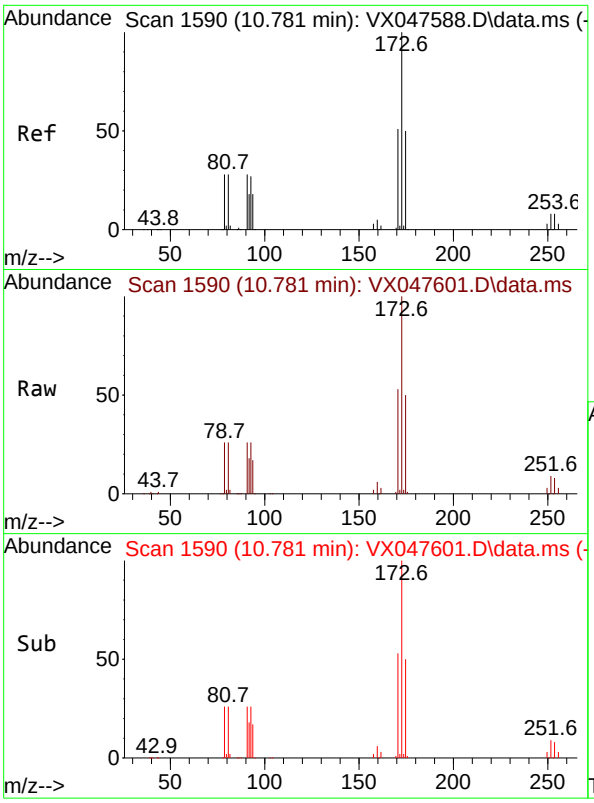


#70
Styrene
Concen: 53.018 ug/l
RT: 10.634 min Scan# 1566
Delta R.T. -0.006 min
Lab File: VX047601.D
Acq: 17 Sep 2025 08:51

Tgt Ion:104 Resp: 388352

Ion	Ratio	Lower	Upper
104	100		
78	53.7	43.1	64.7
103	54.0	43.1	64.7



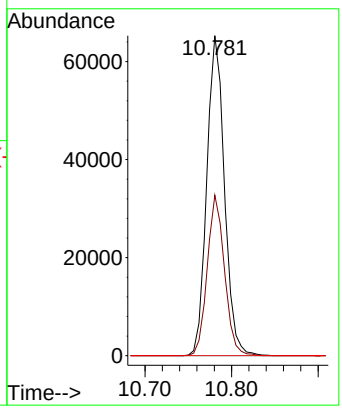


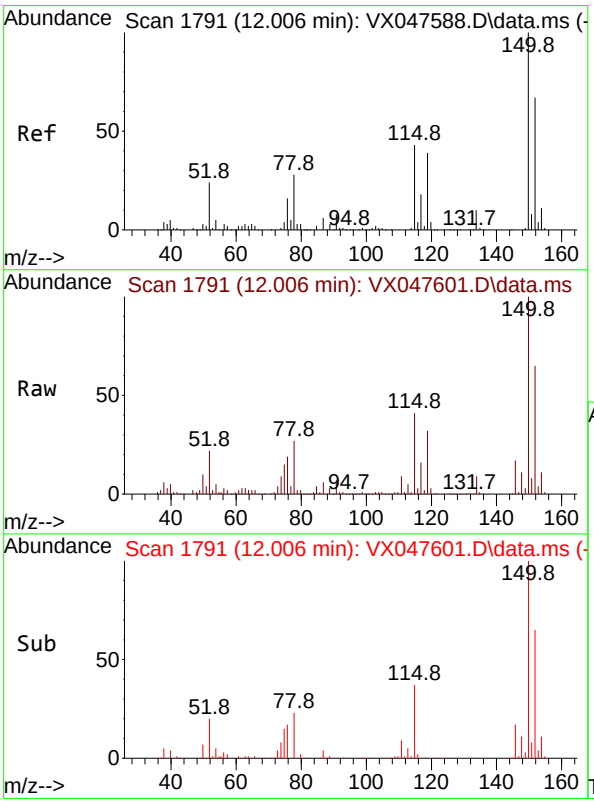
#71
Bromoform
Concen: 53.344 ug/l
RT: 10.781 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047601.D
Acq: 17 Sep 2025 08:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:173 Resp: 92500

Ion	Ratio	Lower	Upper
173	100		
175	49.0	24.9	74.6
254	0.0	0.1	0.1#

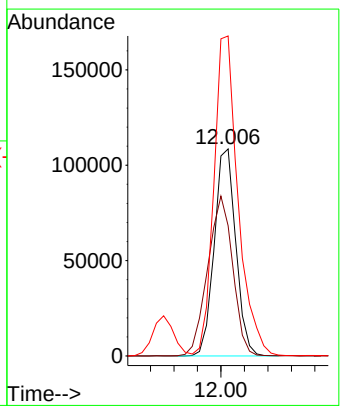


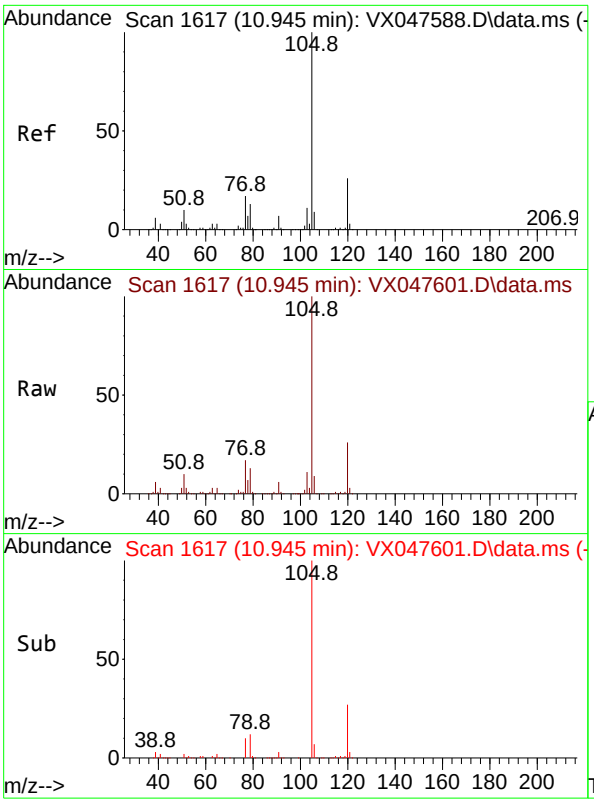


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX047601.D
Acq: 17 Sep 2025 08:51

Tgt Ion:152 Resp: 138326

Ion	Ratio	Lower	Upper
152	100		
115	89.6	44.9	134.5
150	173.0	0.0	352.0



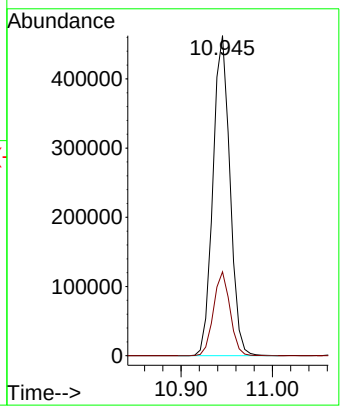


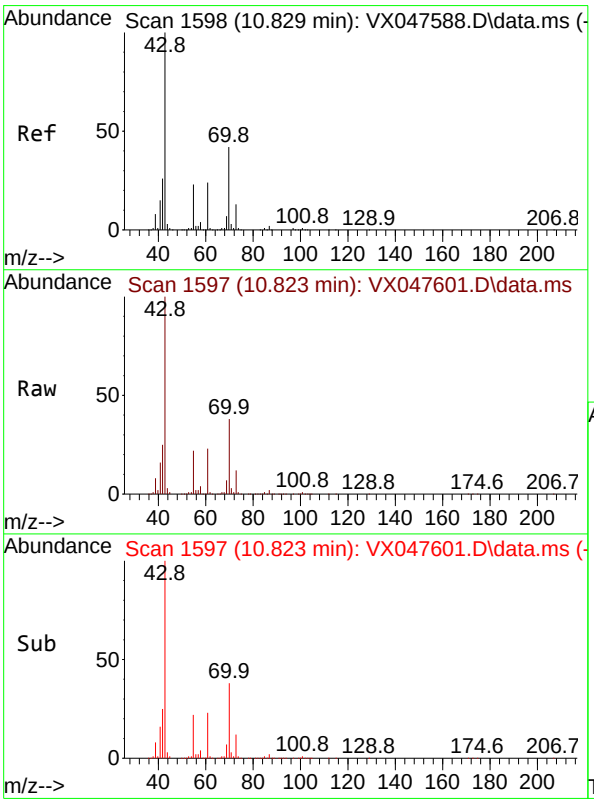
#73
Isopropylbenzene
Concen: 56.769 ug/l
RT: 10.945 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047601.D
Acq: 17 Sep 2025 08:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:105 Resp: 597002

Ion	Ratio	Lower	Upper
105	100		
120	25.5	12.8	38.4

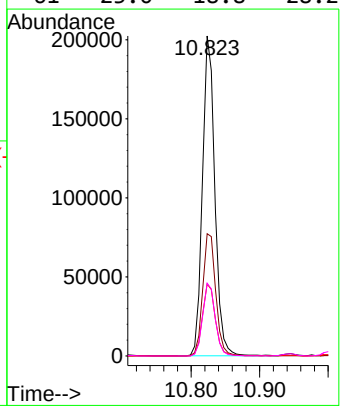


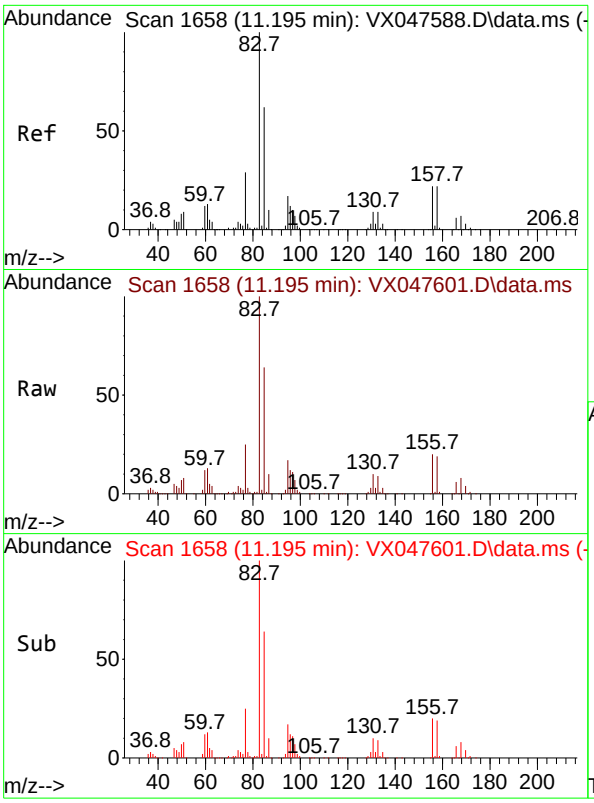


#74
N-amyl acetate
Concen: 53.201 ug/l
RT: 10.823 min Scan# 1597
Delta R.T. -0.006 min
Lab File: VX047601.D
Acq: 17 Sep 2025 08:51

Tgt Ion: 43 Resp: 255134

Ion	Ratio	Lower	Upper
43	100		
70	40.3	32.0	48.0
55	23.4	18.9	28.3
61	23.0	18.8	28.2



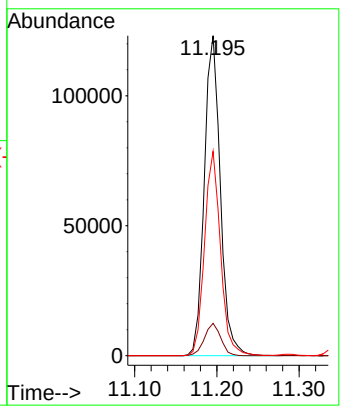


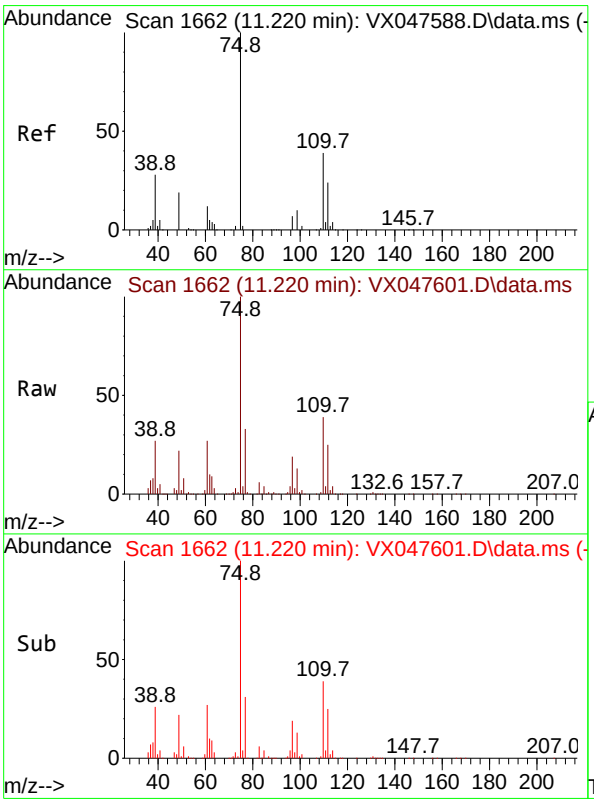
#75
1,1,2,2-Tetrachloroethane
Concen: 52.532 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047601.D
Acq: 17 Sep 2025 08:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 167142

Ion	Ratio	Lower	Upper
83	100		
131	10.3	5.0	14.9
85	63.6	31.6	95.0

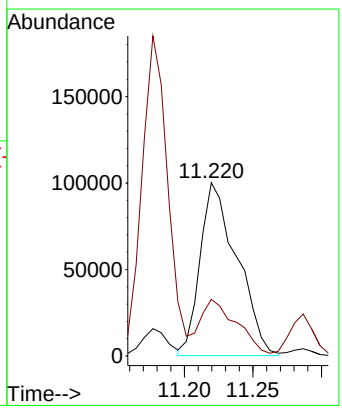


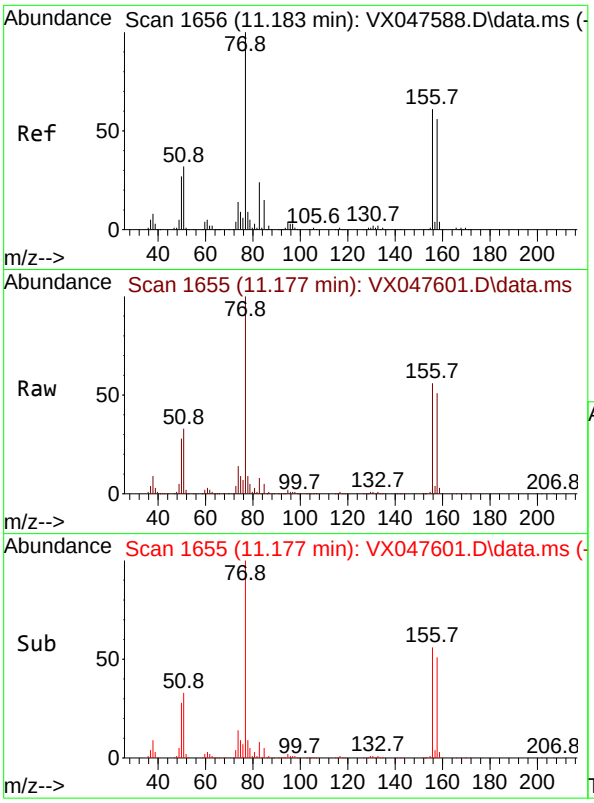


#76
1,2,3-Trichloropropane
Concen: 67.256 ug/l
RT: 11.220 min Scan# 1662
Delta R.T. 0.000 min
Lab File: VX047601.D
Acq: 17 Sep 2025 08:51

Tgt Ion: 75 Resp: 188361

Ion	Ratio	Lower	Upper
75	100		
77	33.0	18.8	56.4



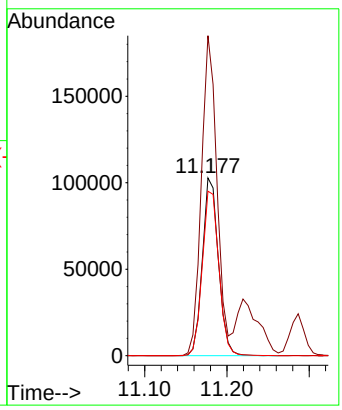


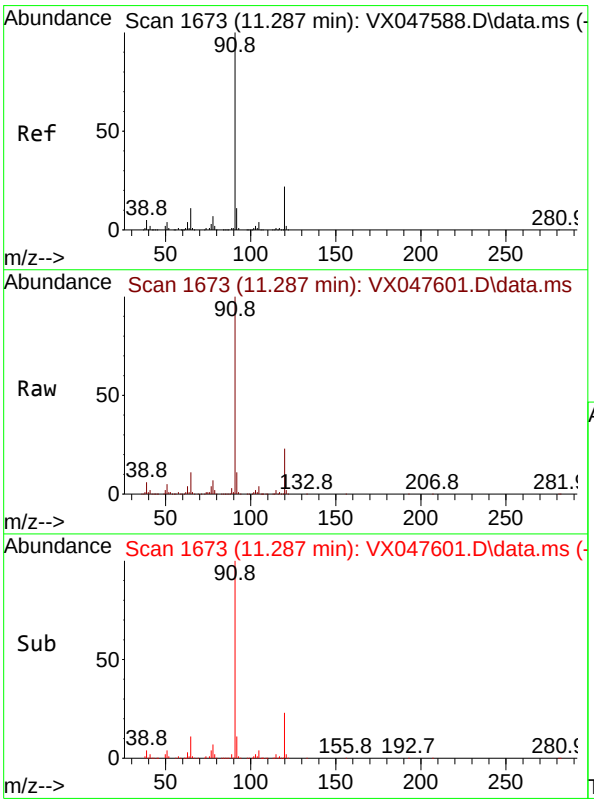
#77
Bromobenzene
Concen: 53.683 ug/l
RT: 11.177 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047601.D
Acq: 17 Sep 2025 08:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:156 Resp: 139045

Ion	Ratio	Lower	Upper
156	100		
77	174.5	89.7	269.1
158	95.9	47.9	143.6

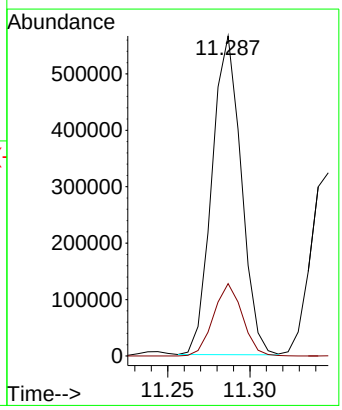


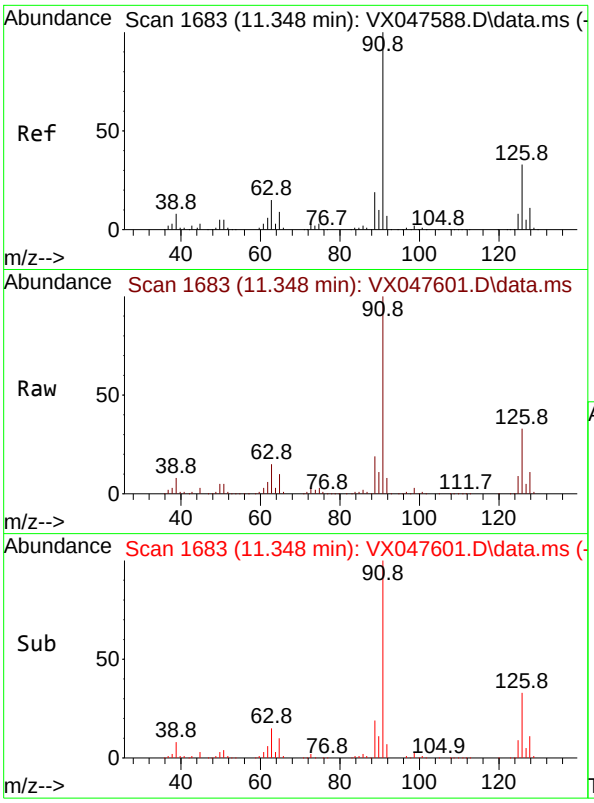


#78
n-propylbenzene
Concen: 56.362 ug/l
RT: 11.287 min Scan# 1673
Delta R.T. 0.000 min
Lab File: VX047601.D
Acq: 17 Sep 2025 08:51

Tgt Ion: 91 Resp: 700672

Ion	Ratio	Lower	Upper
91	100		
120	22.3	11.1	33.1



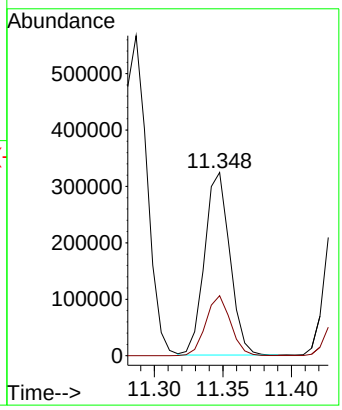


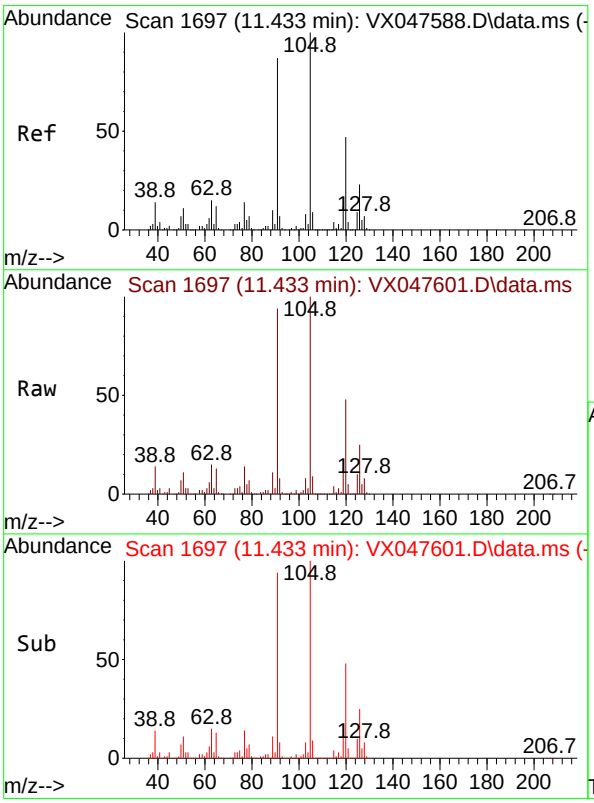
#79
2-Chlorotoluene
Concen: 54.410 ug/l
RT: 11.348 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047601.D
Acq: 17 Sep 2025 08:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 414287

Ion	Ratio	Lower	Upper
91	100		
126	32.3	16.1	48.3

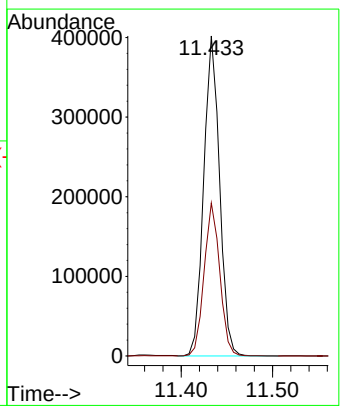


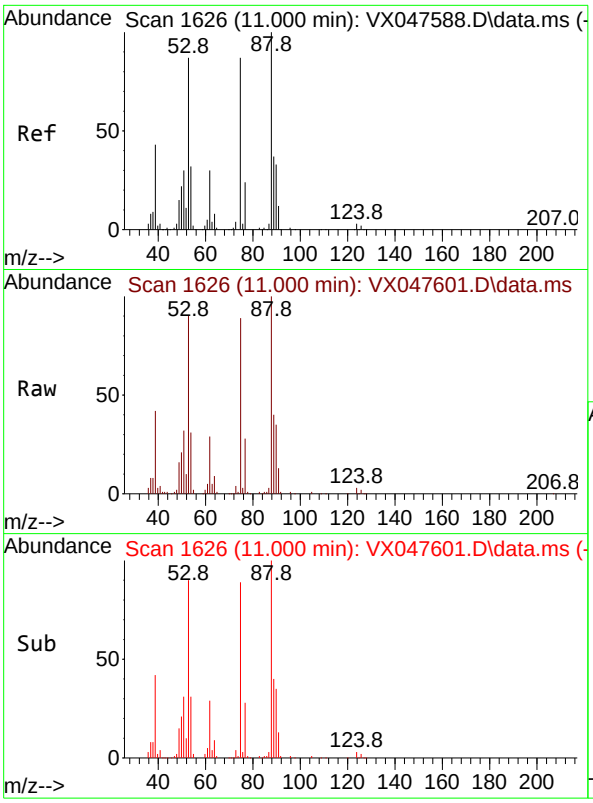


#80
1,3,5-Trimethylbenzene
Concen: 55.653 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. 0.000 min
Lab File: VX047601.D
Acq: 17 Sep 2025 08:51

Tgt Ion:105 Resp: 480850

Ion	Ratio	Lower	Upper
105	100		
120	47.3	23.6	70.8



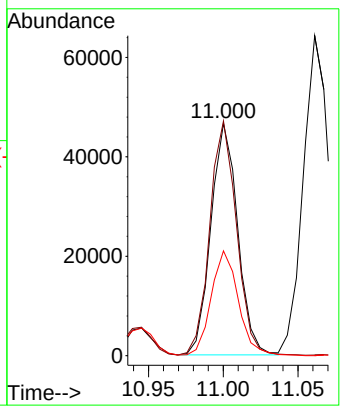


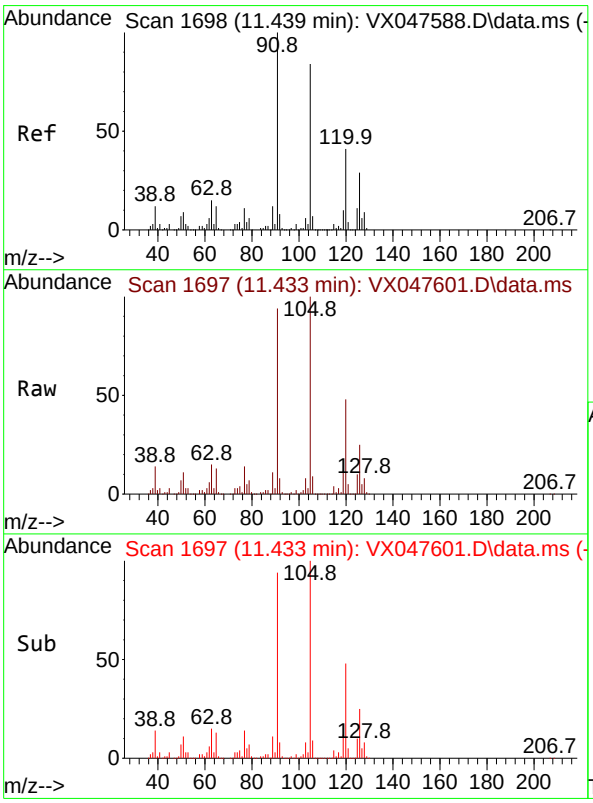
#81
trans-1,4-Dichloro-2-butene
Concen: 52.870 ug/l
RT: 11.000 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047601.D
Acq: 17 Sep 2025 08:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 58064

Ion	Ratio	Lower	Upper
75	100		
53	101.1	83.4	125.2
89	46.2	36.3	54.5

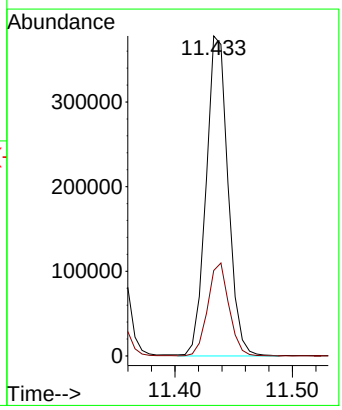


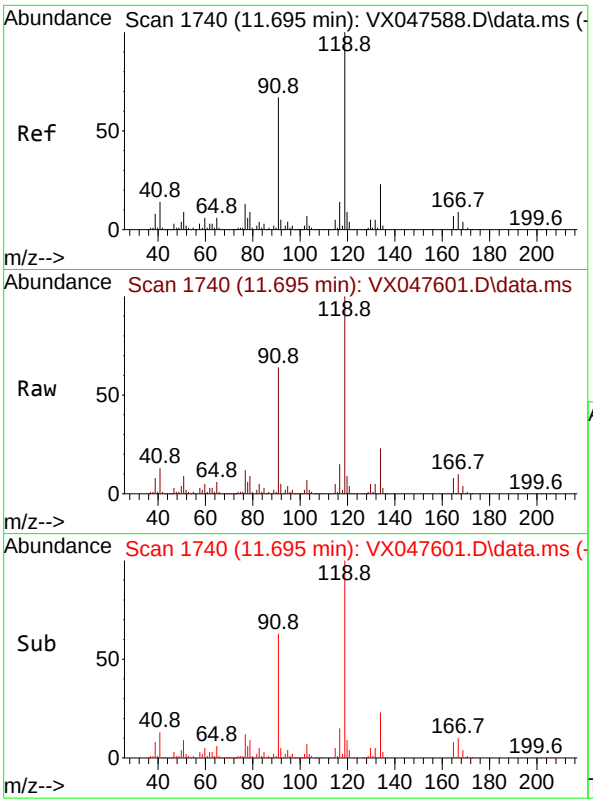


#82
4-Chlorotoluene
Concen: 54.611 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.006 min
Lab File: VX047601.D
Acq: 17 Sep 2025 08:51

Tgt Ion: 91 Resp: 491100

Ion	Ratio	Lower	Upper
91	100		
126	28.3	14.2	42.6



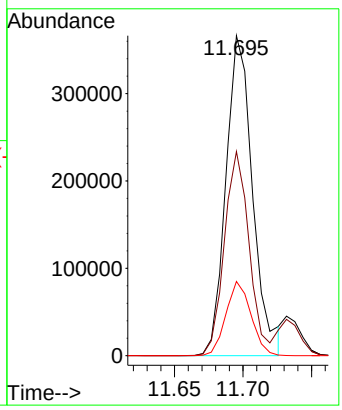


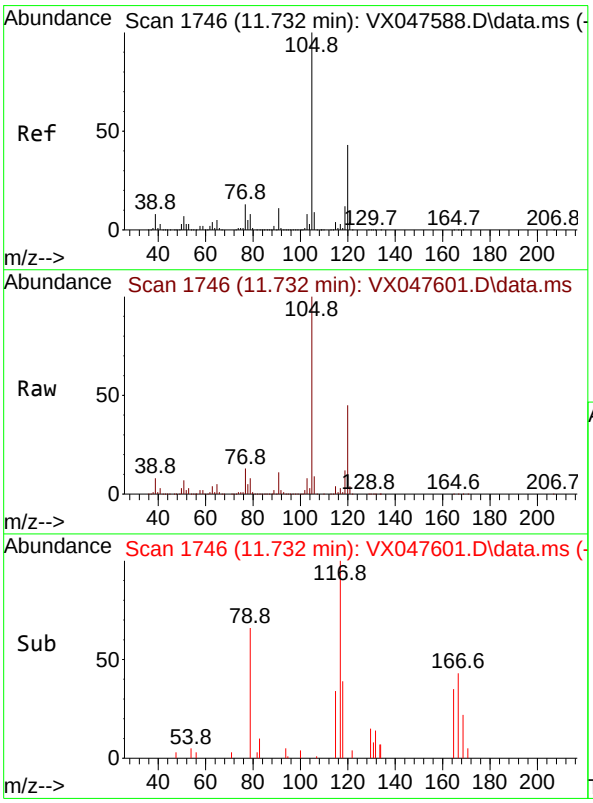
#83
tert-Butylbenzene
Concen: 56.276 ug/l
RT: 11.695 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047601.D
Acq: 17 Sep 2025 08:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:119 Resp: 497751

Ion	Ratio	Lower	Upper
119	100		
91	59.1	29.6	88.8
134	21.8	11.0	33.0

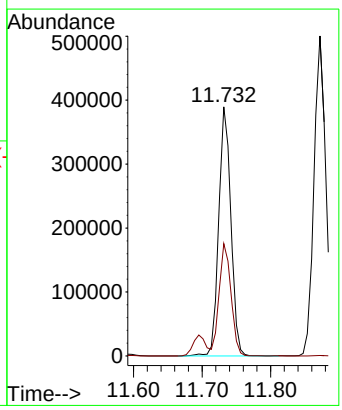


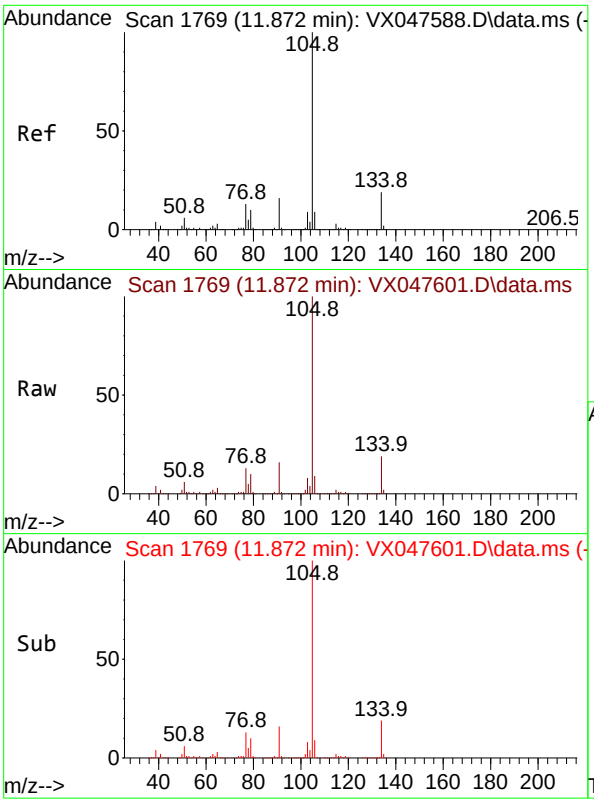


#84
1,2,4-Trimethylbenzene
Concen: 54.636 ug/l
RT: 11.732 min Scan# 1746
Delta R.T. 0.000 min
Lab File: VX047601.D
Acq: 17 Sep 2025 08:51

Tgt Ion:105 Resp: 478593

Ion	Ratio	Lower	Upper
105	100		
120	44.0	22.1	66.1



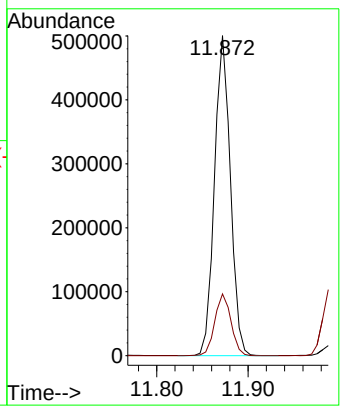


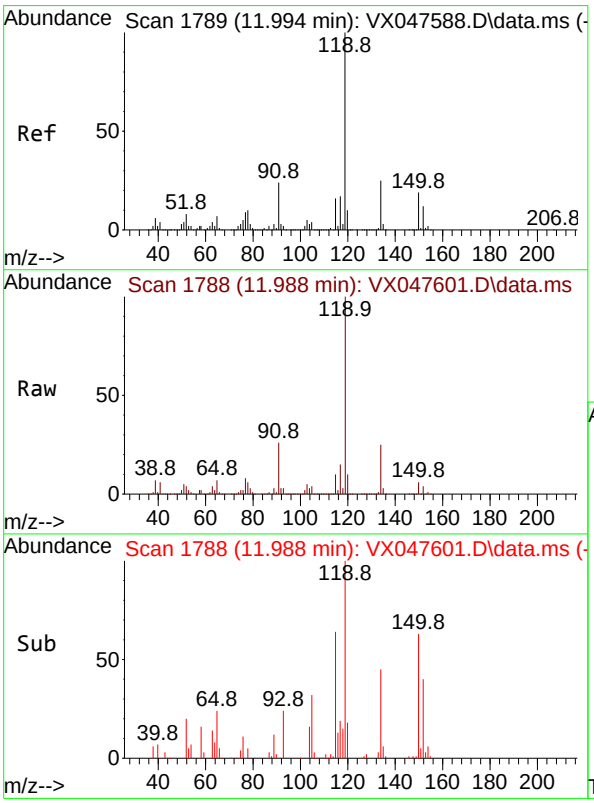
#85
sec-Butylbenzene
Concen: 57.537 ug/l
RT: 11.872 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047601.D
Acq: 17 Sep 2025 08:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:105 Resp: 604477

Ion	Ratio	Lower	Upper
105	100		
134	19.7	9.8	29.5

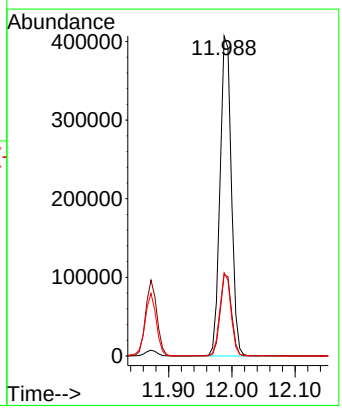


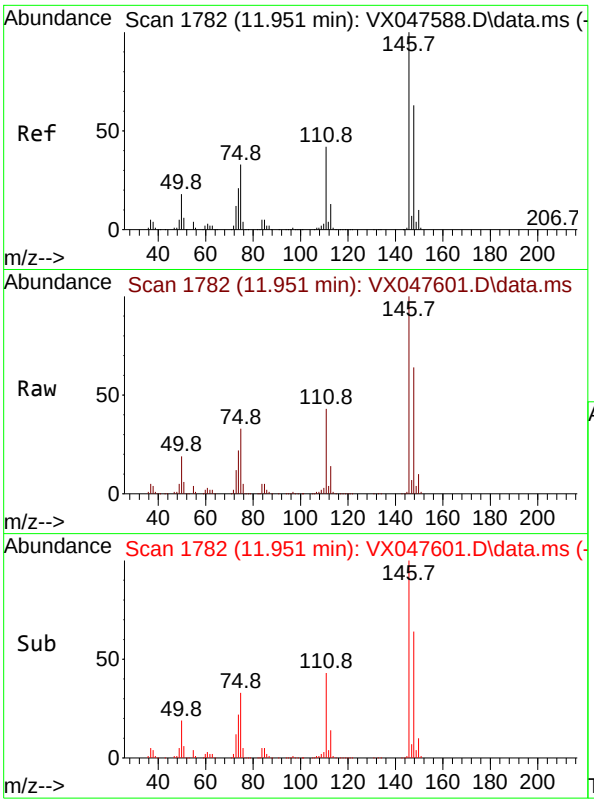


#86
p-Isopropyltoluene
Concen: 56.500 ug/l
RT: 11.988 min Scan# 1788
Delta R.T. -0.006 min
Lab File: VX047601.D
Acq: 17 Sep 2025 08:51

Tgt Ion:119 Resp: 502524

Ion	Ratio	Lower	Upper
119	100		
134	25.7	12.6	37.8
91	25.6	12.6	37.6



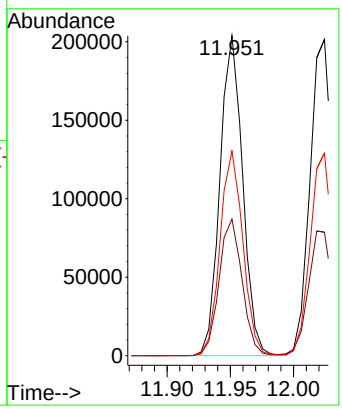


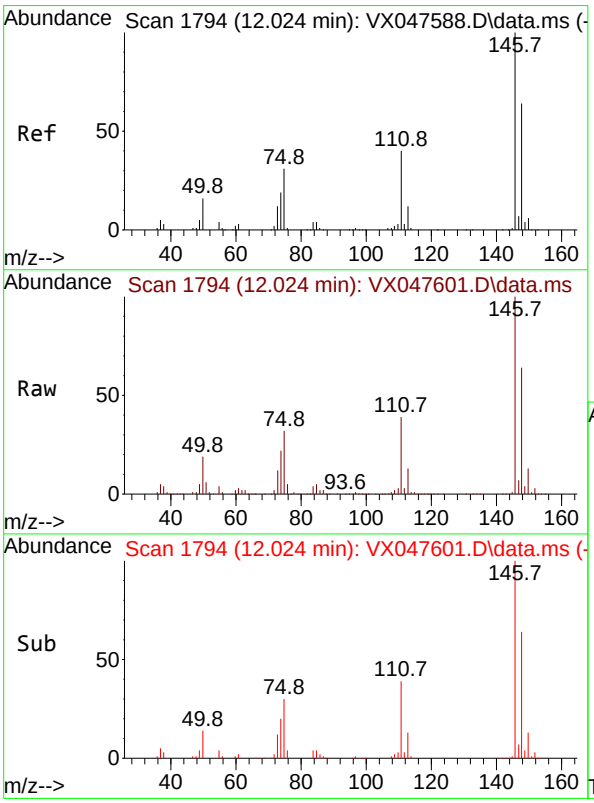
#87
1,3-Dichlorobenzene
Concen: 52.880 ug/l
RT: 11.951 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047601.D
Acq: 17 Sep 2025 08:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:146 Resp: 254401

Ion	Ratio	Lower	Upper
146	100		
111	43.4	21.5	64.5
148	64.3	32.0	96.0

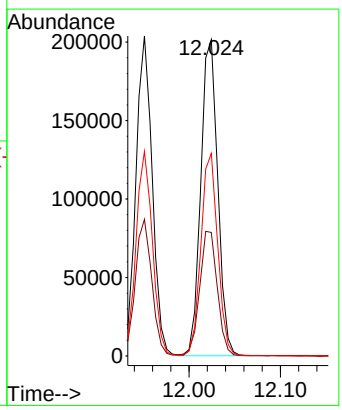


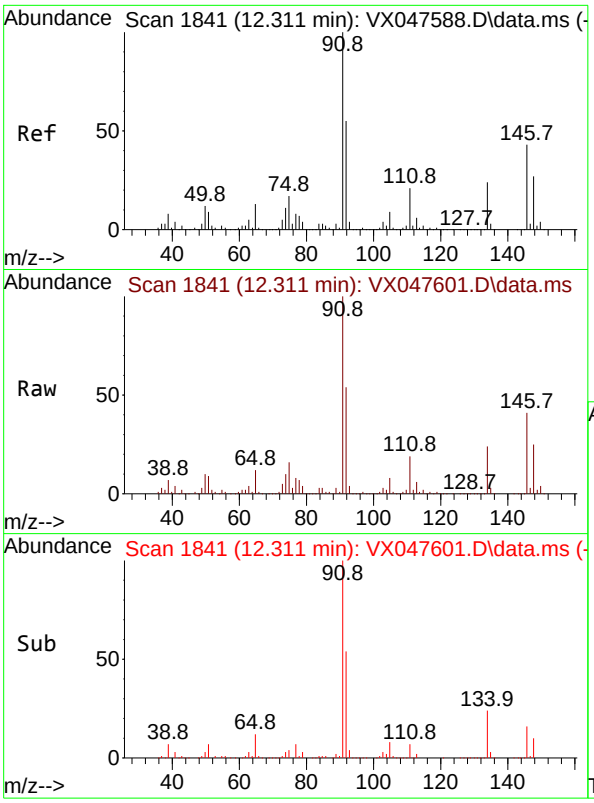


#88
1,4-Dichlorobenzene
Concen: 52.453 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX047601.D
Acq: 17 Sep 2025 08:51

Tgt Ion:146 Resp: 258994

Ion	Ratio	Lower	Upper
146	100		
111	41.2	20.8	62.4
148	63.6	31.7	95.1



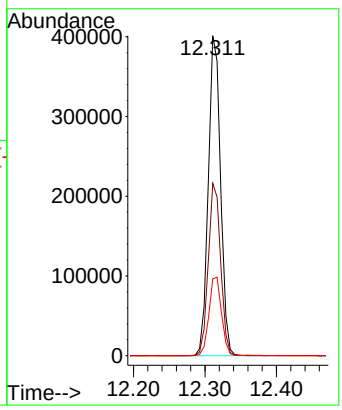


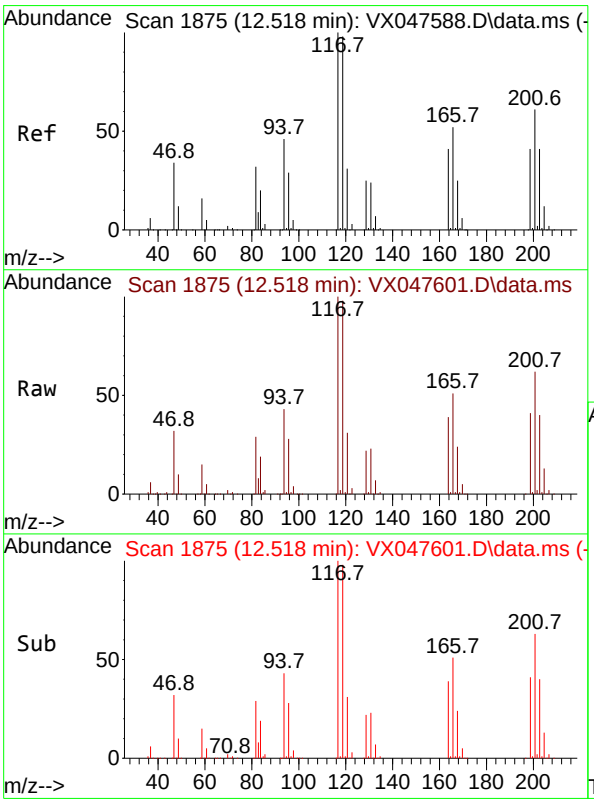
#89
n-Butylbenzene
Concen: 58.099 ug/l
RT: 12.311 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047601.D
Acq: 17 Sep 2025 08:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 478143

Ion	Ratio	Lower	Upper
91	100		
92	54.1	27.6	82.7
134	25.1	12.6	37.8

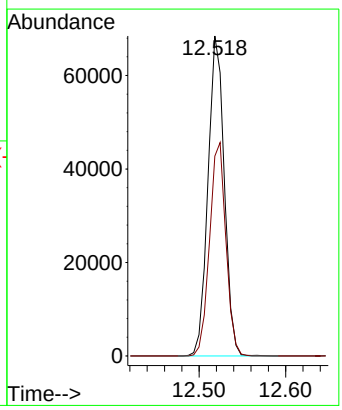


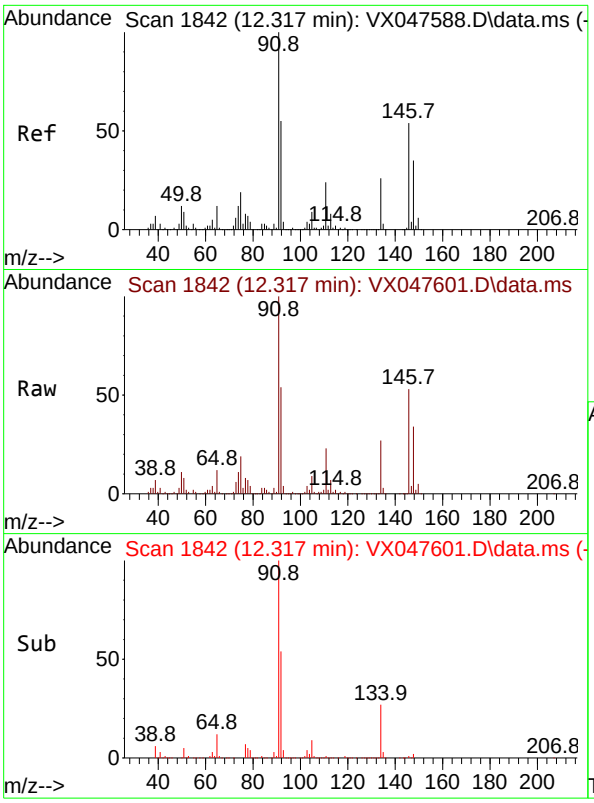


#90
Hexachloroethane
Concen: 57.248 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. 0.000 min
Lab File: VX047601.D
Acq: 17 Sep 2025 08:51

Tgt Ion:117 Resp: 89396

Ion	Ratio	Lower	Upper
117	100		
201	66.8	34.2	102.5



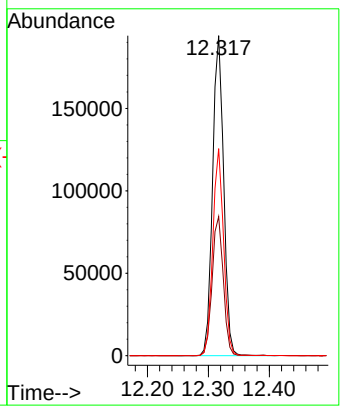


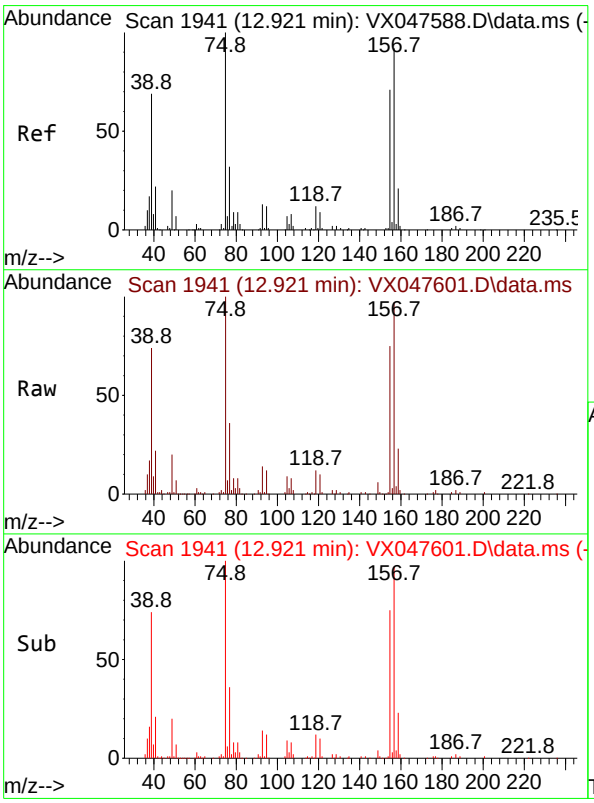
#91
1,2-Dichlorobenzene
Concen: 53.301 ug/l
RT: 12.317 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047601.D
Acq: 17 Sep 2025 08:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:146 Resp: 244300

Ion	Ratio	Lower	Upper
146	100		
111	43.8	22.2	66.6
148	63.1	31.8	95.4

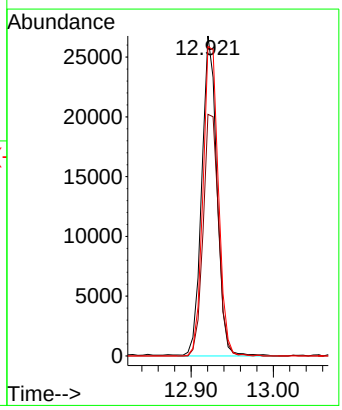


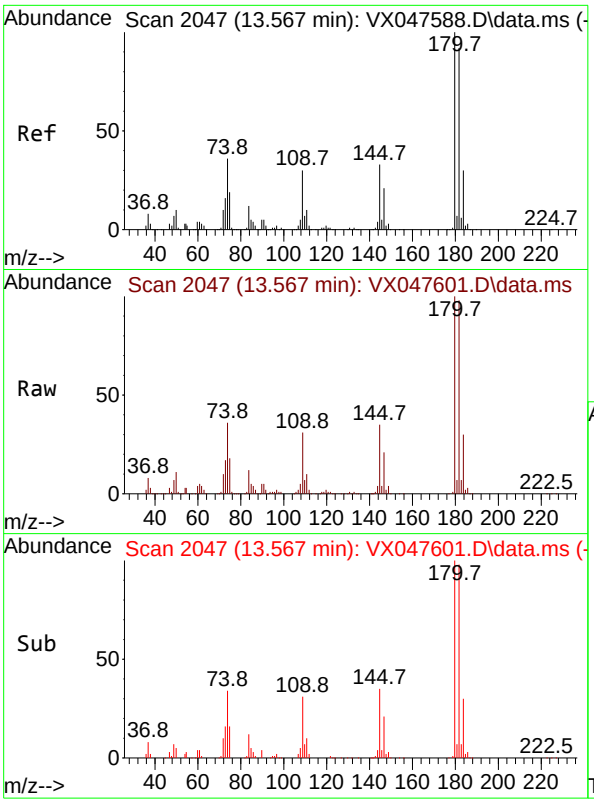


#92
1,2-Dibromo-3-Chloropropane
Concen: 53.081 ug/l
RT: 12.921 min Scan# 1941
Delta R.T. 0.000 min
Lab File: VX047601.D
Acq: 17 Sep 2025 08:51

Tgt Ion: 75 Resp: 34194

Ion	Ratio	Lower	Upper
75	100		
155	77.0	37.7	113.1
157	98.6	49.8	149.4



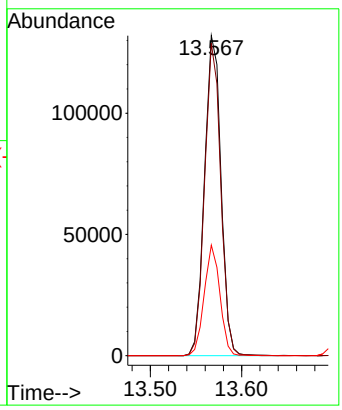


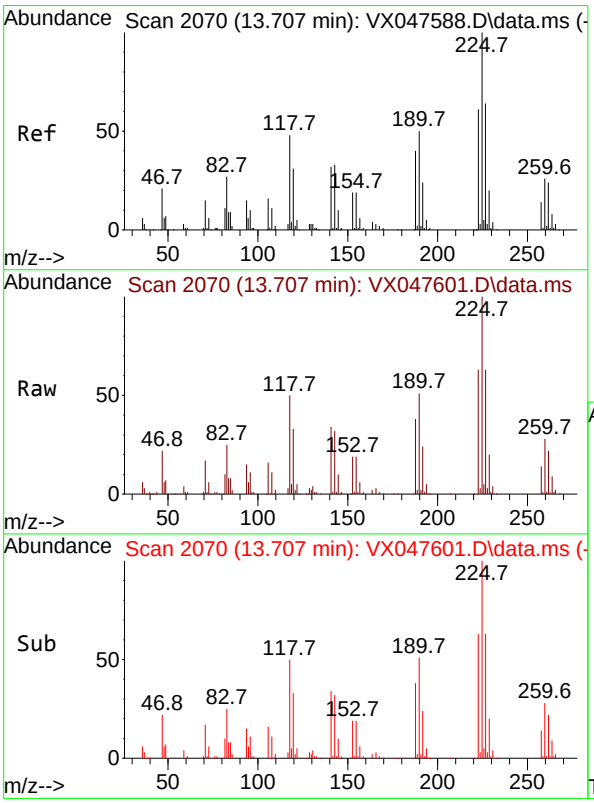
#93
1,2,4-Trichlorobenzene
Concen: 55.373 ug/l
RT: 13.567 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX047601.D
Acq: 17 Sep 2025 08:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:180 Resp: 164946

Ion	Ratio	Lower	Upper
180	100		
182	95.5	46.6	139.8
145	33.0	16.4	49.1

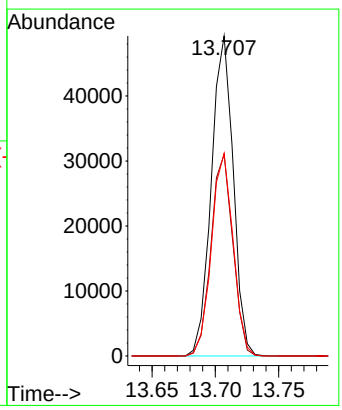


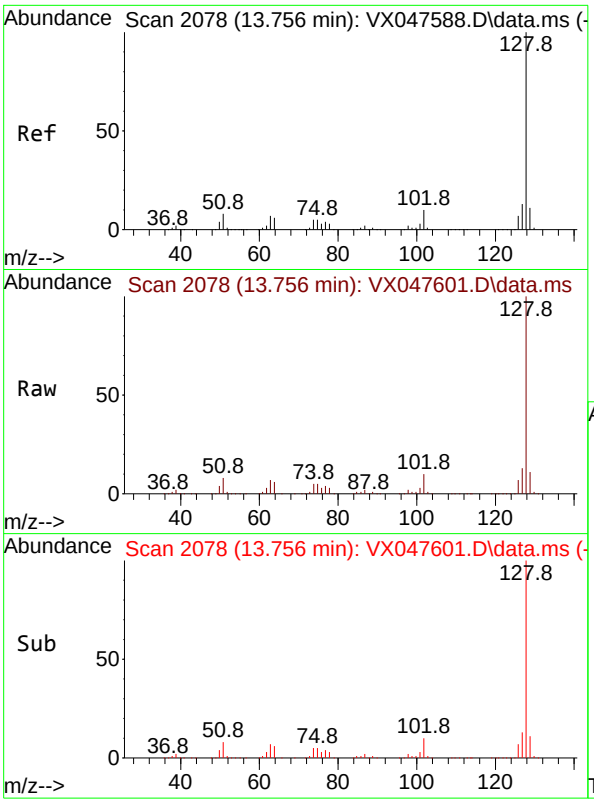


#94
Hexachlorobutadiene
Concen: 58.500 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. 0.000 min
Lab File: VX047601.D
Acq: 17 Sep 2025 08:51

Tgt Ion:225 Resp: 59191

Ion	Ratio	Lower	Upper
225	100		
223	62.8	31.7	95.1
227	62.8	32.0	96.0



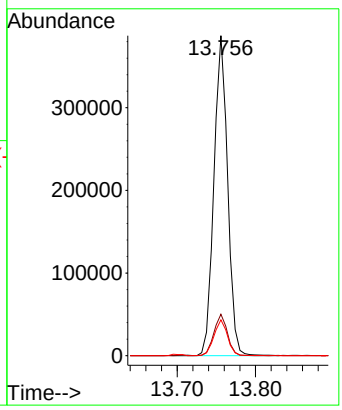


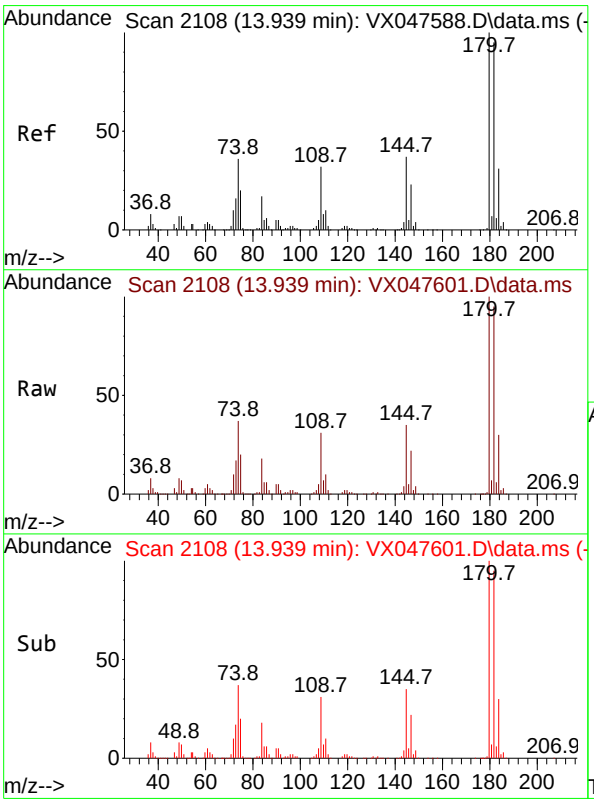
#95
Naphthalene
Concen: 51.900 ug/l
RT: 13.756 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX047601.D
Acq: 17 Sep 2025 08:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:128 Resp: 470770

Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.2
129	11.1	8.8	13.2

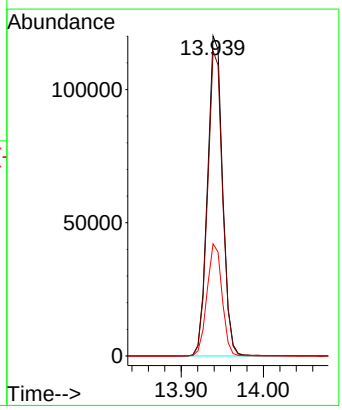




#96
1,2,3-Trichlorobenzene
Concen: 54.873 ug/l
RT: 13.939 min Scan# 2108
Delta R.T. 0.000 min
Lab File: VX047601.D
Acq: 17 Sep 2025 08:51

Tgt Ion:180 Resp: 152049

Ion	Ratio	Lower	Upper
180	100		
182	95.0	47.6	142.8
145	35.1	17.9	53.7



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091725\
Data File : VX047604.D
Acq On : 17 Sep 2025 10:09
Operator : JC/MD
Sample : VX0917WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0917WBS01

Quant Time: Sep 22 03:00:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.538	168	195658	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.739	114	351376	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	311445	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	151595	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.934	65	157383	50.534	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 101.060%			
35) Dibromofluoromethane	5.367	113	119877	50.870	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.740%			
50) Toluene-d8	8.628	98	419954	51.503	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 103.000%			
62) 4-Bromofluorobenzene	11.061	95	158932	51.358	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 102.720%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.173	85	32239	15.912	ug/l	97
3) Chloromethane	1.301	50	42550	15.979	ug/l	96
4) Vinyl Chloride	1.380	62	44079	16.911	ug/l	98
5) Bromomethane	1.618	94	29960	18.126	ug/l	99
6) Chloroethane	1.697	64	29979	17.208	ug/l	98
7) Trichlorofluoromethane	1.898	101	66259	17.120	ug/l	99
8) Diethyl Ether	2.136	74	27866	17.601	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.331	101	39906	17.634	ug/l	98
10) Methyl Iodide	2.453	142	54828	15.534	ug/l	98
11) Tert butyl alcohol	2.934	59	28628	82.535	ug/l	99
12) 1,1-Dichloroethene	2.325	96	39679	17.069	ug/l	94
13) Acrolein	2.233	56	33545	104.947	ug/l	99
14) Allyl chloride	2.666	41	80667	16.816	ug/l	99
15) Acrylonitrile	3.056	53	112971	87.930	ug/l	100
16) Acetone	2.373	43	99959	73.817	ug/l	99
17) Carbon Disulfide	2.514	76	101664	15.975	ug/l	98
18) Methyl Acetate	2.697	43	57770	19.170	ug/l	100
19) Methyl tert-butyl Ether	3.105	73	148899	17.547	ug/l	98
20) Methylene Chloride	2.788	84	48530	16.931	ug/l	95
21) trans-1,2-Dichloroethene	3.087	96	42497	16.980	ug/l	98
22) Diisopropyl ether	3.745	45	166210	17.879	ug/l	85
23) Vinyl Acetate	3.709	43	641507	86.219	ug/l	100
24) 1,1-Dichloroethane	3.605	63	87109	17.629	ug/l	98
25) 2-Butanone	4.538	43	141866	83.988	ug/l	99
26) 2,2-Dichloropropane	4.465	77	71454	17.396	ug/l	100
27) cis-1,2-Dichloroethene	4.477	96	53833	17.564	ug/l	99
28) Bromochloromethane	4.885	49	46513	21.562	ug/l	100
29) Tetrahydrofuran	4.989	42	86598	85.223	ug/l	99
30) Chloroform	5.080	83	90053	18.035	ug/l	95
31) Cyclohexane	5.458	56	71454	17.363	ug/l	97
32) 1,1,1-Trichloroethane	5.367	97	75940	17.930	ug/l	99
36) 1,1-Dichloropropene	5.684	75	57894	16.813	ug/l	97
37) Ethyl Acetate	4.696	43	60533	16.418	ug/l	98
38) Carbon Tetrachloride	5.660	117	63765	17.043	ug/l	98
39) Methylcyclohexane	7.367	83	67230	17.200	ug/l	97
40) Benzene	6.019	78	181057	17.312	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091725\
Data File : VX047604.D
Acq On : 17 Sep 2025 10:09
Operator : JC/MD
Sample : VX0917WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0917WBS01

Quant Time: Sep 22 03:00:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.897	41	33000	17.337	ug/l		99
42) 1,2-Dichloroethane	6.068	62	69587	17.487	ug/l		98
43) Isopropyl Acetate	6.318	43	105168	17.392	ug/l		100
44) Trichloroethene	7.110	130	43841	17.339	ug/l		90
45) 1,2-Dichloropropane	7.409	63	46912	17.517	ug/l		99
46) Dibromomethane	7.562	93	34149	17.523	ug/l		99
47) Bromodichloromethane	7.805	83	70468	17.523	ug/l		99
48) Methyl methacrylate	7.677	41	51615	17.137	ug/l		99
49) 1,4-Dioxane	7.647	88	10148	333.385	ug/l	#	91
51) 4-Methyl-2-Pentanone	8.555	43	294879	87.955	ug/l		100
52) Toluene	8.702	92	113060	17.546	ug/l		99
53) t-1,3-Dichloropropene	8.964	75	71016	17.313	ug/l		99
54) cis-1,3-Dichloropropene	8.348	75	77501	17.677	ug/l		99
55) 1,1,2-Trichloroethane	9.134	97	43269	17.415	ug/l		99
56) Ethyl methacrylate	9.098	69	68509	17.558	ug/l		98
57) 1,3-Dichloropropane	9.293	76	76049	17.818	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.226	63	149215	87.394	ug/l		99
59) 2-Hexanone	9.415	43	206700	85.844	ug/l		99
60) Dibromochloromethane	9.506	129	49688	17.356	ug/l		94
61) 1,2-Dibromoethane	9.592	107	44915	17.748	ug/l		98
64) Tetrachloroethene	9.256	164	34798	17.139	ug/l		94
65) Chlorobenzene	10.061	112	124126	17.543	ug/l		97
66) 1,1,1,2-Tetrachloroethane	10.147	131	43641	17.874	ug/l		99
67) Ethyl Benzene	10.177	91	215918	17.686	ug/l		99
68) m/p-Xylenes	10.287	106	162720	35.810	ug/l		100
69) o-Xylene	10.622	106	79115	18.001	ug/l		98
70) Styrene	10.640	104	137562	17.863	ug/l		99
71) Bromoform	10.781	173	31997	17.551	ug/l	#	99
73) Isopropylbenzene	10.945	105	204217	17.719	ug/l		100
74) N-amyl acetate	10.829	43	90344	17.190	ug/l		100
75) 1,1,2,2-Tetrachloroethane	11.195	83	60939	17.476	ug/l		100
76) 1,2,3-Trichloropropane	11.219	75	65203	21.243	ug/l		92
77) Bromobenzene	11.183	156	49084	17.292	ug/l		99
78) n-propylbenzene	11.287	91	244439	17.941	ug/l		99
79) 2-Chlorotoluene	11.348	91	147920	17.727	ug/l		100
80) 1,3,5-Trimethylbenzene	11.433	105	166236	17.556	ug/l		98
81) trans-1,4-Dichloro-2-b...	11.000	75	18928	15.726	ug/l		96
82) 4-Chlorotoluene	11.439	91	174598	17.716	ug/l		100
83) tert-Butylbenzene	11.695	119	170426	17.582	ug/l		99
84) 1,2,4-Trimethylbenzene	11.732	105	170162	17.725	ug/l		99
85) sec-Butylbenzene	11.872	105	205317	17.833	ug/l		99
86) p-Isopropyltoluene	11.994	119	173347	17.784	ug/l		99
87) 1,3-Dichlorobenzene	11.951	146	93375	17.710	ug/l		99
88) 1,4-Dichlorobenzene	12.024	146	94074	17.385	ug/l		99
89) n-Butylbenzene	12.317	91	162215	17.985	ug/l		98
90) Hexachloroethane	12.518	117	29907	17.476	ug/l		100
91) 1,2-Dichlorobenzene	12.317	146	89095	17.737	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	12.926	75	11373	16.110	ug/l		95
93) 1,2,4-Trichlorobenzene	13.567	180	56956	17.447	ug/l		99
94) Hexachlorobutadiene	13.707	225	19147	17.267	ug/l		98
95) Naphthalene	13.756	128	167962	16.896	ug/l		99
96) 1,2,3-Trichlorobenzene	13.938	180	53040	17.466	ug/l		99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091725\
Data File : VX047604.D
Acq On : 17 Sep 2025 10:09
Operator : JC/MD
Sample : VX0917WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0917WBS01

Quant Time: Sep 22 03:00:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

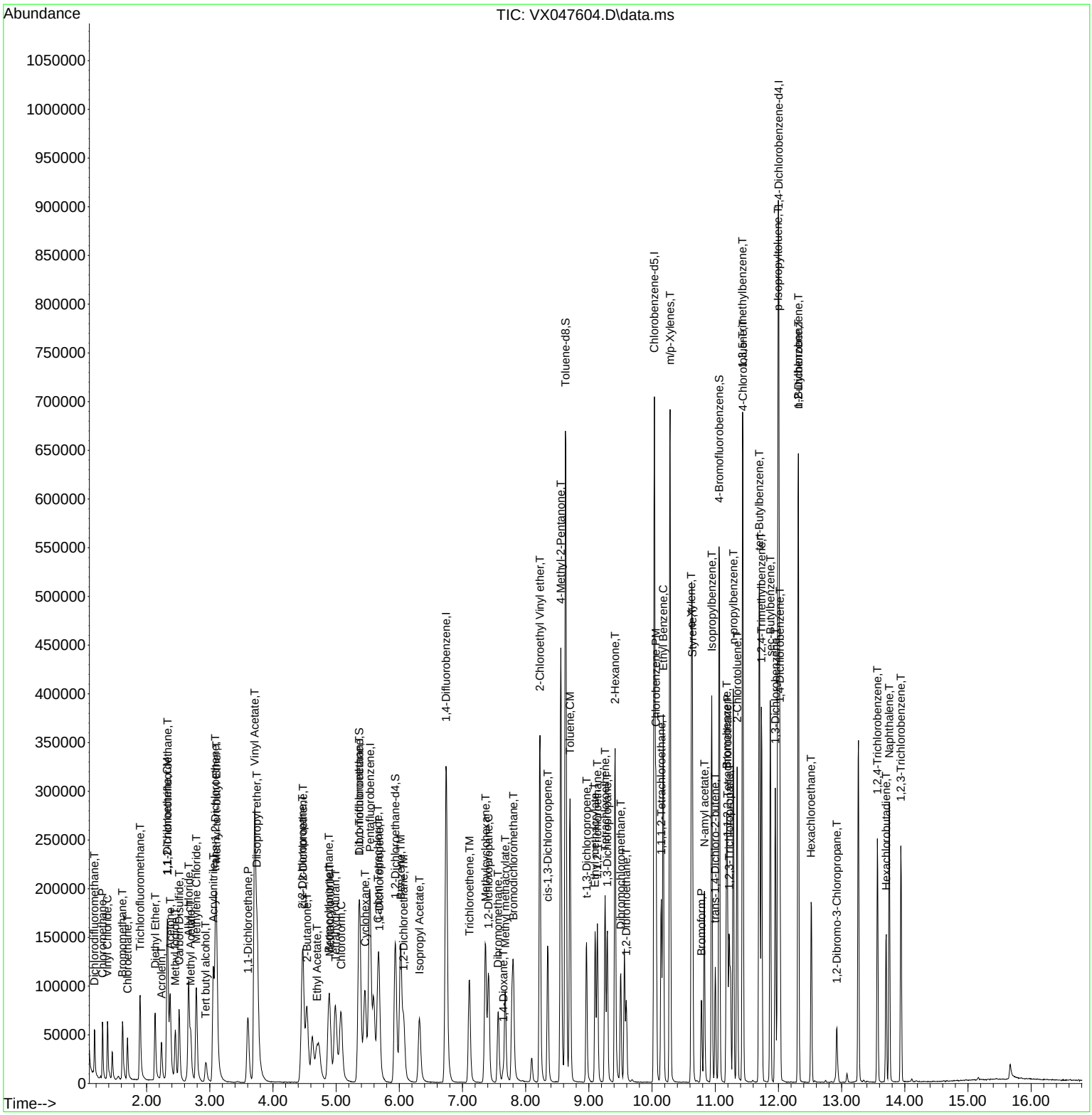
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

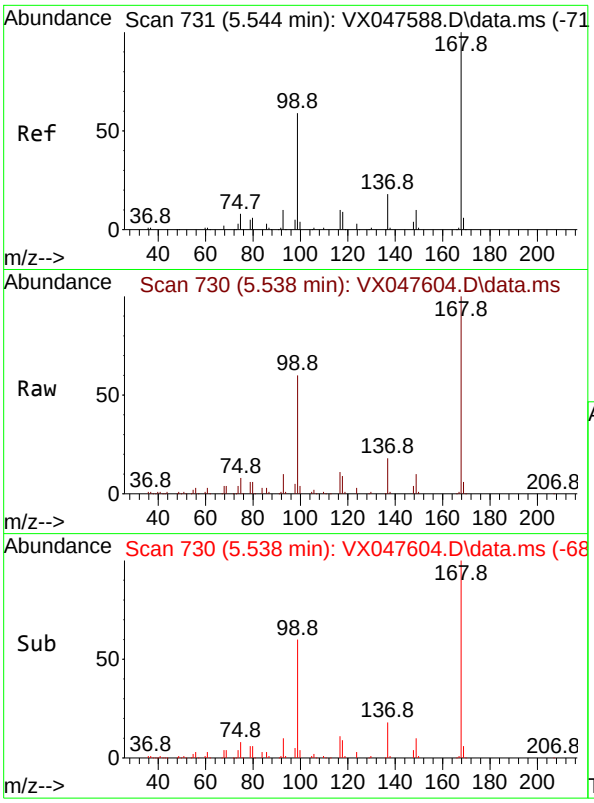
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091725\
Data File : VX047604.D
Acq On : 17 Sep 2025 10:09
Operator : JC/MD
Sample : VX0917WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0917WBS01

Quant Time: Sep 22 03:00:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



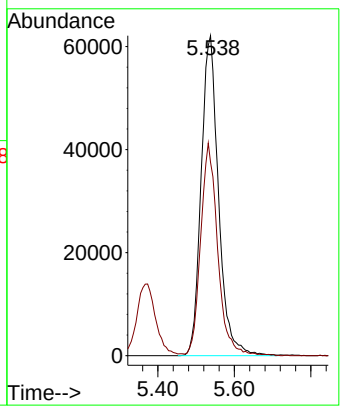


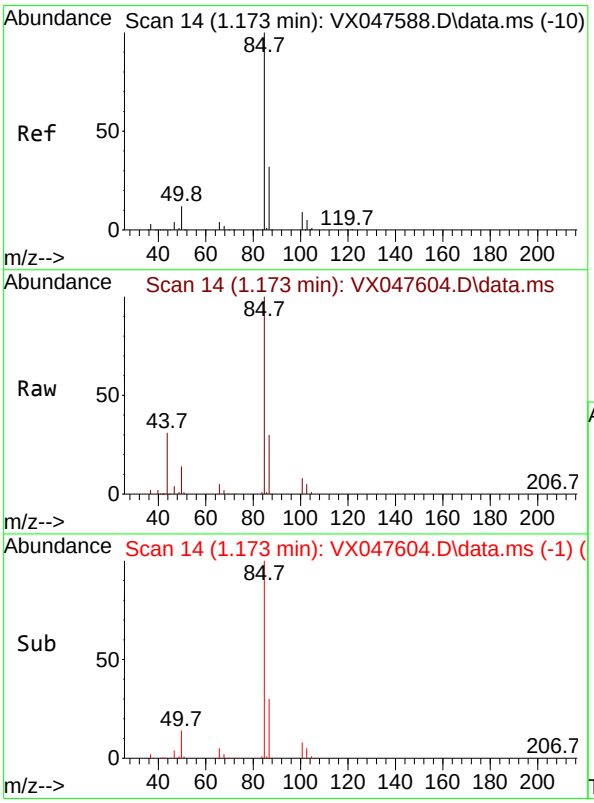
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047604.D
Acq: 17 Sep 2025 10:09

Instrument :
MSVOA_X
ClientSampleId :
VX0917WBS01

Tgt Ion:168 Resp: 195658

Ion	Ratio	Lower	Upper
168	100		
99	60.4	48.8	73.2

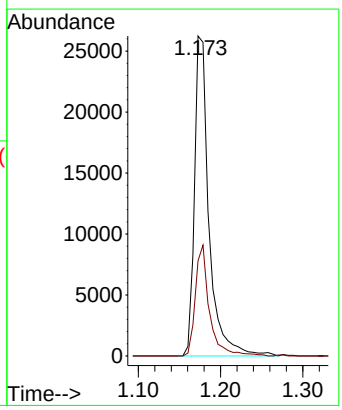


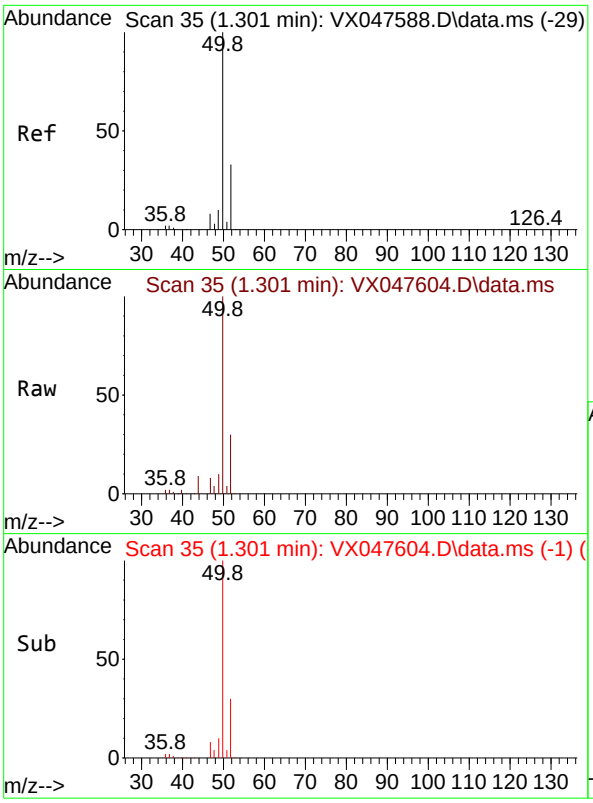


#2
Dichlorodifluoromethane
Concen: 15.912 ug/l
RT: 1.173 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047604.D
Acq: 17 Sep 2025 10:09

Tgt Ion: 85 Resp: 32239

Ion	Ratio	Lower	Upper
85	100		
87	29.8	15.8	47.3



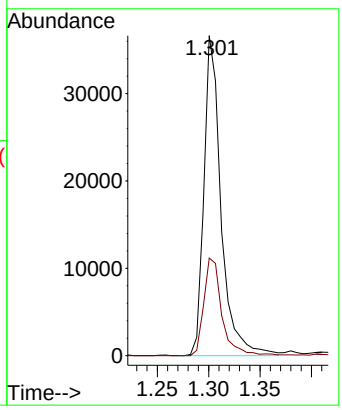


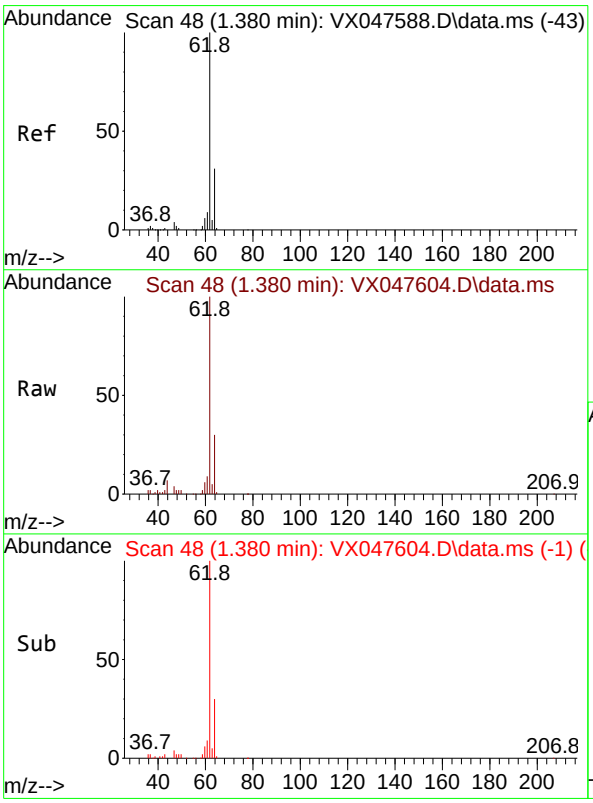
#3
Chloromethane
Concen: 15.979 ug/l
RT: 1.301 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047604.D
Acq: 17 Sep 2025 10:09

Instrument :
MSVOA_X
ClientSampleId :
VX0917WBS01

Tgt Ion: 50 Resp: 42550

Ion	Ratio	Lower	Upper
50	100		
52	30.5	26.1	39.1

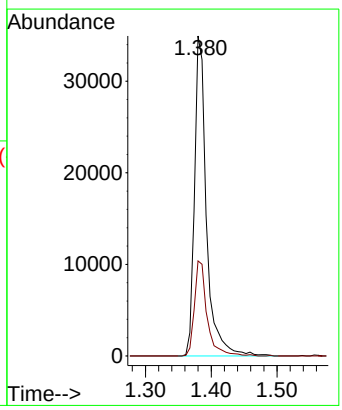


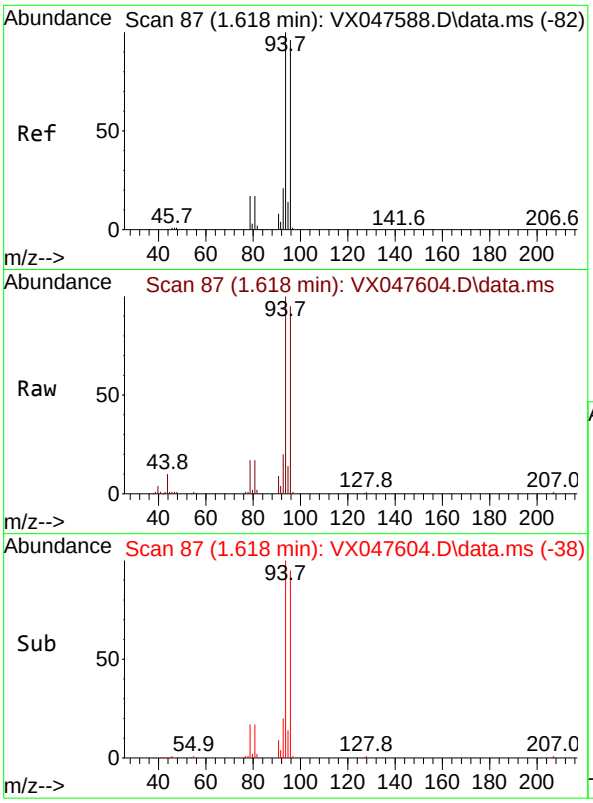


#4
Vinyl Chloride
Concen: 16.911 ug/l
RT: 1.380 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX047604.D
Acq: 17 Sep 2025 10:09

Tgt Ion: 62 Resp: 44079

Ion	Ratio	Lower	Upper
62	100		
64	29.7	24.9	37.3



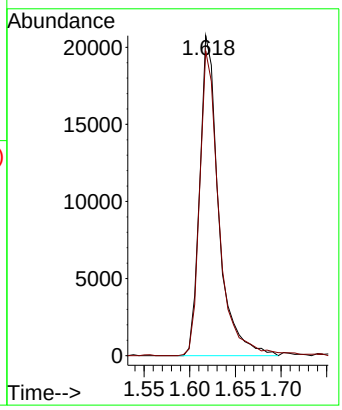


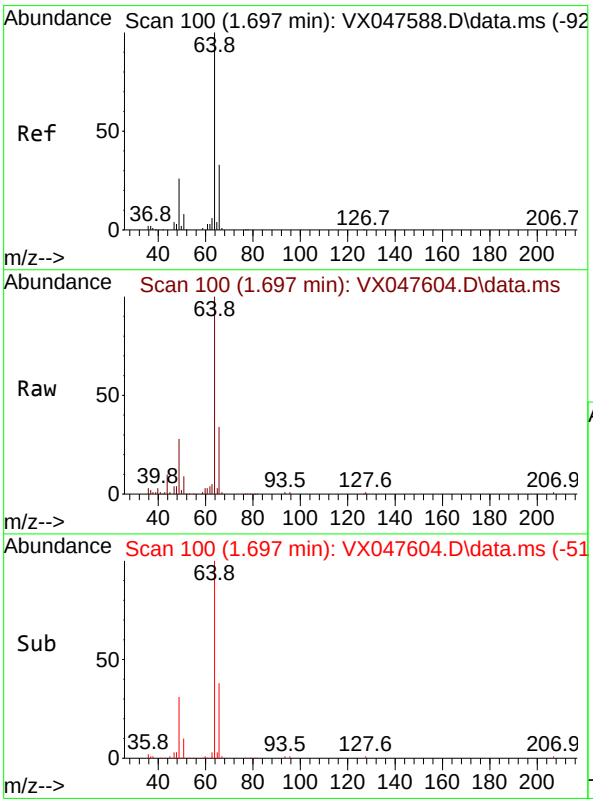
#5
Bromomethane
Concen: 18.126 ug/l
RT: 1.618 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX047604.D
Acq: 17 Sep 2025 10:09

Instrument :
MSVOA_X
ClientSampleId :
VX0917WBS01

Tgt Ion: 94 Resp: 29960

Ion	Ratio	Lower	Upper
94	100		
96	95.2	76.6	115.0

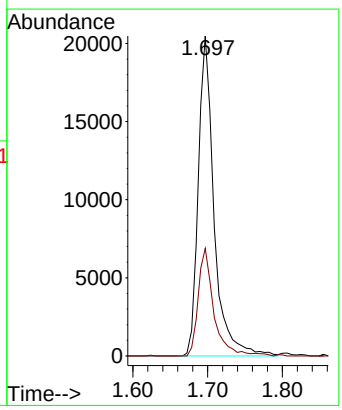


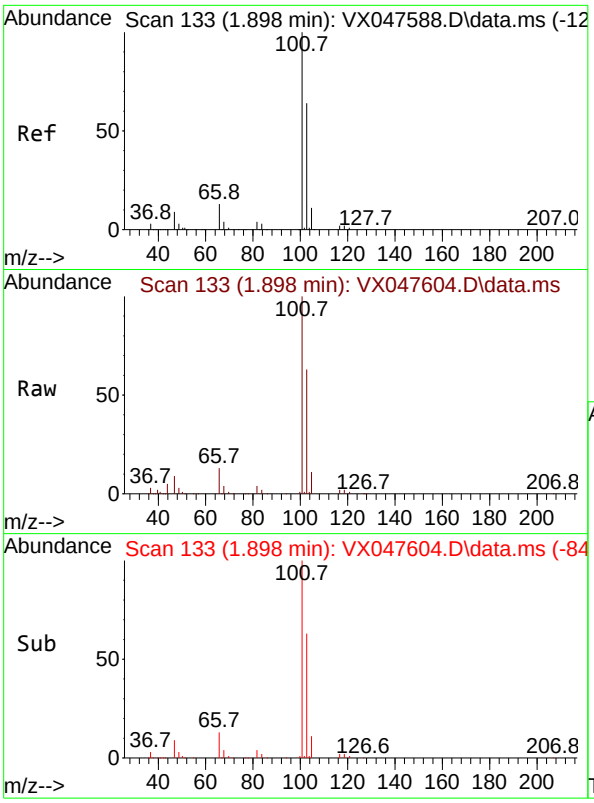


#6
Chloroethane
Concen: 17.208 ug/l
RT: 1.697 min Scan# 100
Delta R.T. -0.000 min
Lab File: VX047604.D
Acq: 17 Sep 2025 10:09

Tgt Ion: 64 Resp: 29979

Ion	Ratio	Lower	Upper
64	100		
66	33.6	26.1	39.1



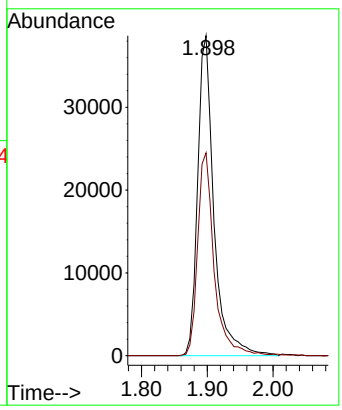


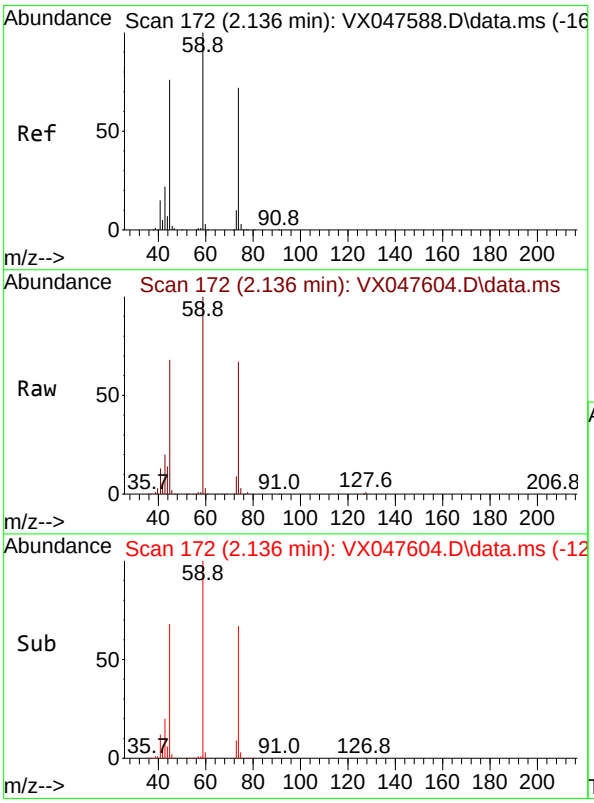
#7
Trichlorofluoromethane
Concen: 17.120 ug/l
RT: 1.898 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047604.D
Acq: 17 Sep 2025 10:09

Instrument :
MSVOA_X
ClientSampleId :
VX0917WBS01

Tgt Ion:101 Resp: 66259

Ion	Ratio	Lower	Upper
101	100		
103	63.4	51.4	77.2

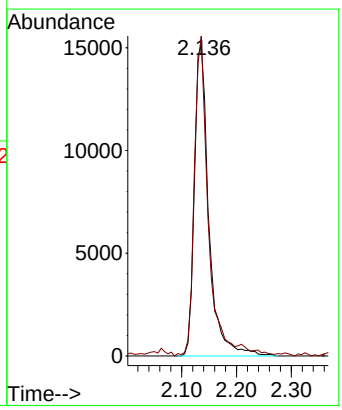


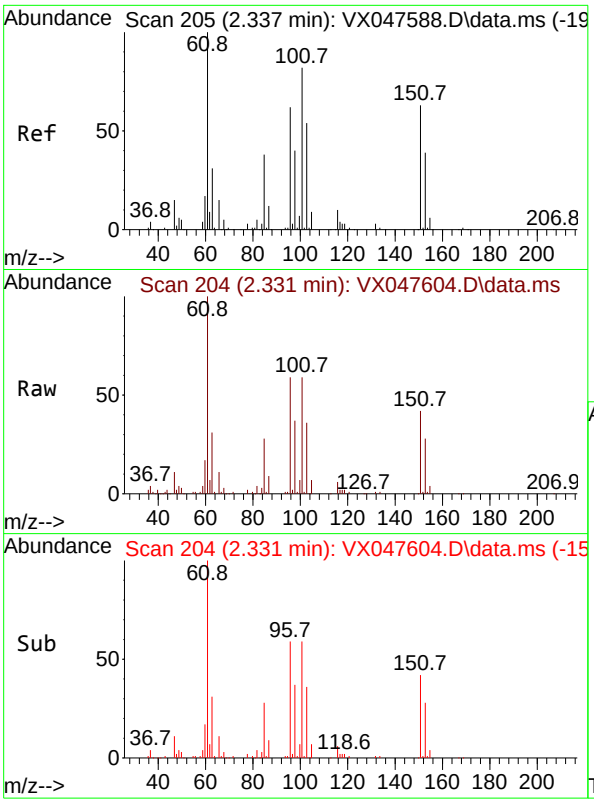


#8
Diethyl Ether
Concen: 17.601 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX047604.D
Acq: 17 Sep 2025 10:09

Tgt Ion: 74 Resp: 27866

Ion	Ratio	Lower	Upper
74	100		
45	100.8	52.3	156.8



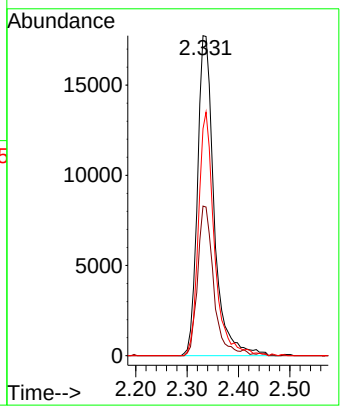


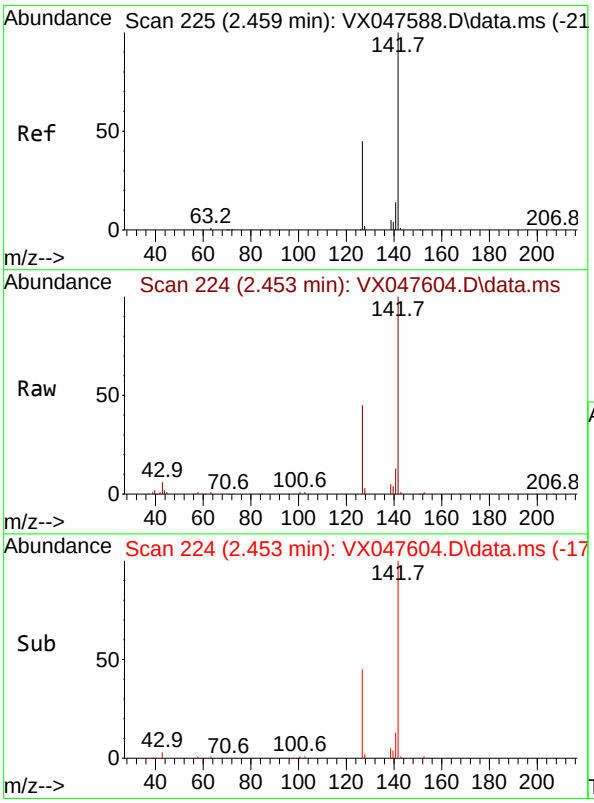
#9
1,1,2-Trichlorotrifluoroethane
Concen: 17.634 ug/l
RT: 2.331 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047604.D
Acq: 17 Sep 2025 10:09

Instrument :
MSVOA_X
ClientSampleId :
VX0917WBS01

Tgt Ion:101 Resp: 39906

Ion	Ratio	Lower	Upper
101	100		
85	45.3	35.5	53.3
151	72.7	59.4	89.0

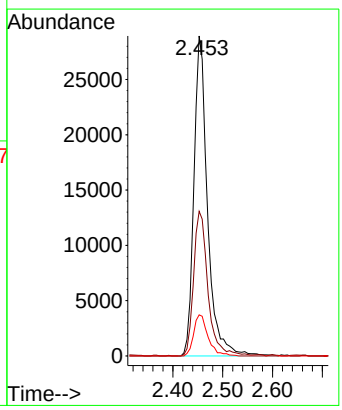


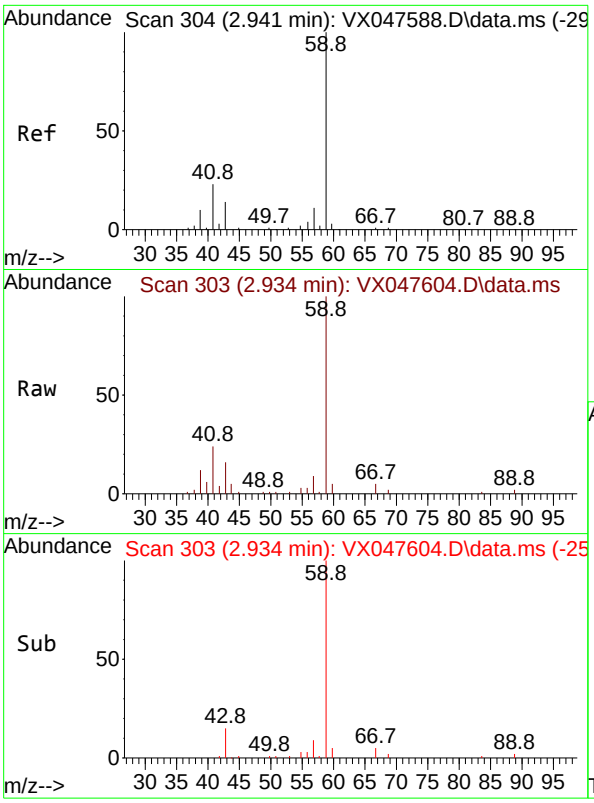


#10
Methyl Iodide
Concen: 15.534 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.006 min
Lab File: VX047604.D
Acq: 17 Sep 2025 10:09

Tgt Ion:142 Resp: 54828

Ion	Ratio	Lower	Upper
142	100		
127	47.6	37.2	55.8
141	13.6	11.4	17.0



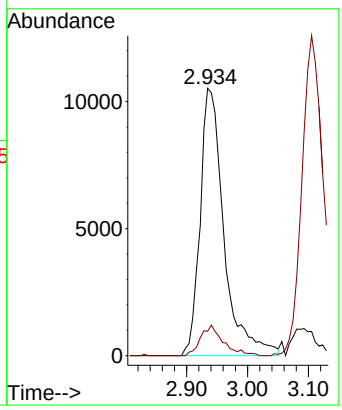


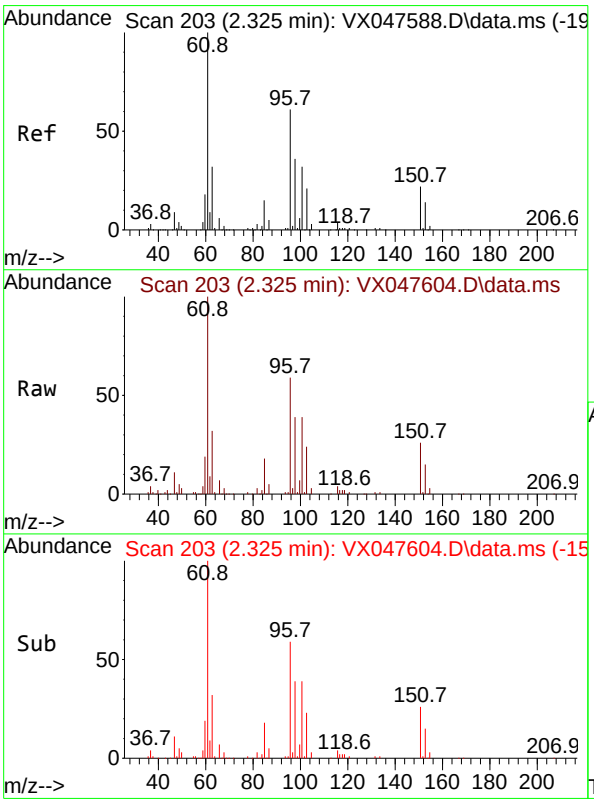
#11
Tert butyl alcohol
Concen: 82.535 ug/l
RT: 2.934 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047604.D
Acq: 17 Sep 2025 10:09

Instrument :
MSVOA_X
ClientSampleId :
VX0917WBS01

Tgt Ion: 59 Resp: 28628

Ion	Ratio	Lower	Upper
59	100		
57	10.8	8.3	12.5

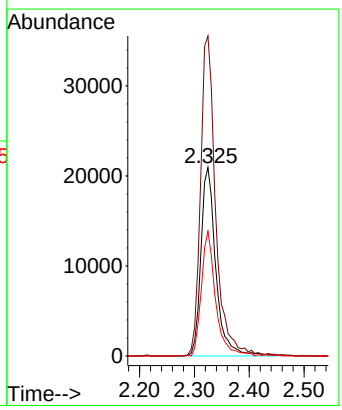


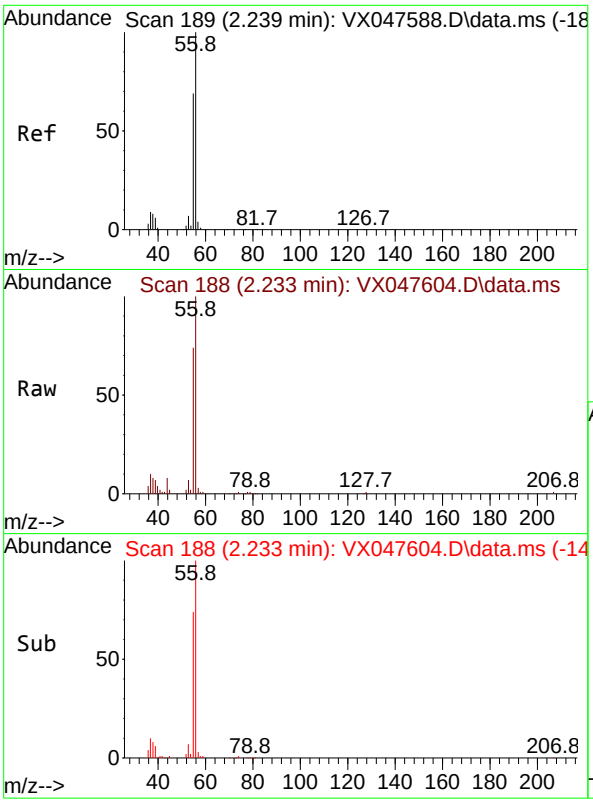


#12
1,1-Dichloroethene
Concen: 17.069 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX047604.D
Acq: 17 Sep 2025 10:09

Tgt Ion: 96 Resp: 39679

Ion	Ratio	Lower	Upper
96	100		
61	169.7	131.0	196.6
98	66.1	47.7	71.5



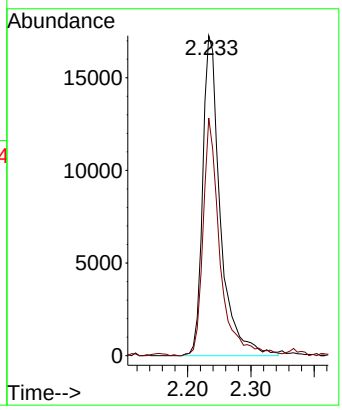


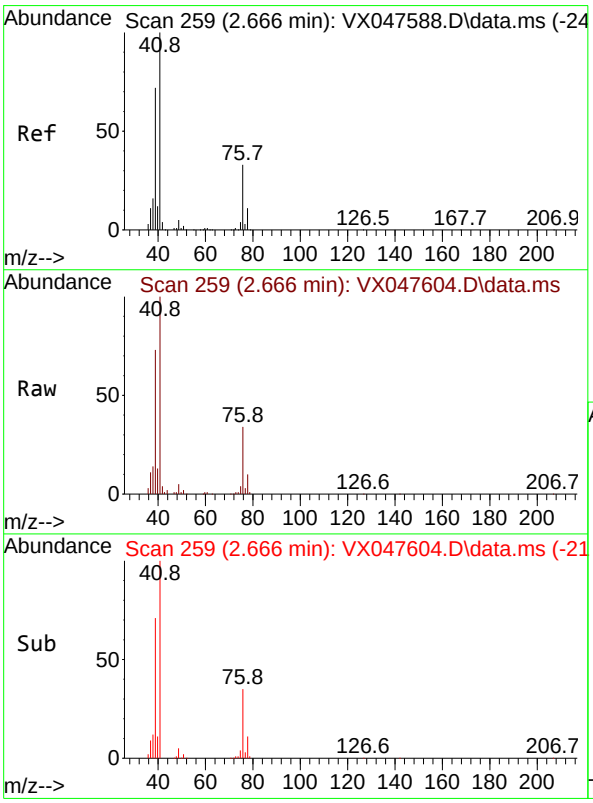
#13
Acrolein
Concen: 104.947 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047604.D
Acq: 17 Sep 2025 10:09

Instrument :
MSVOA_X
ClientSampleId :
VX0917WBS01

Tgt Ion: 56 Resp: 33545

Ion	Ratio	Lower	Upper
56	100		
55	70.9	57.2	85.8

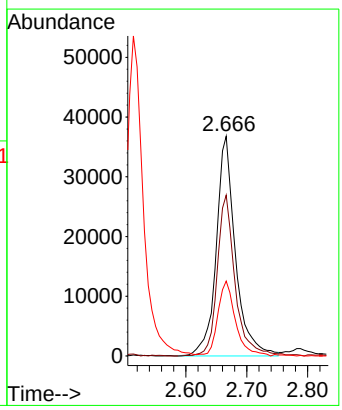


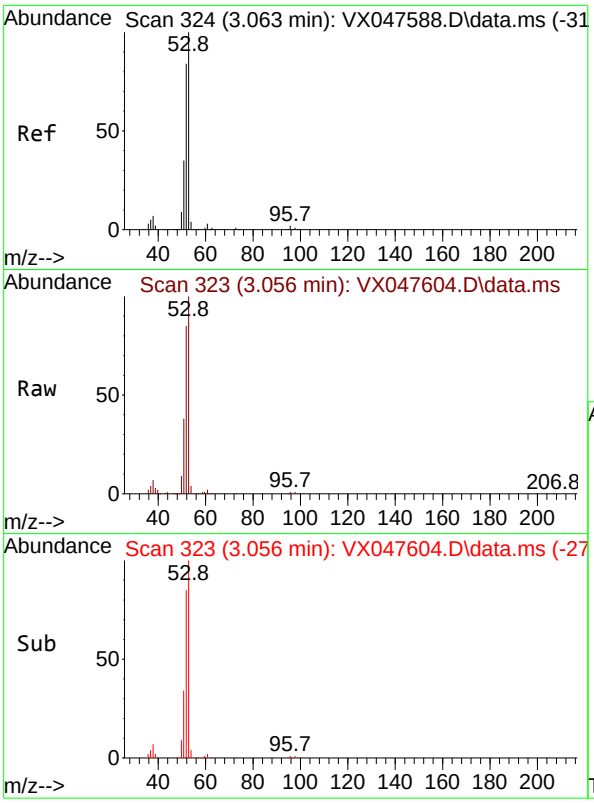


#14
Allyl chloride
Concen: 16.816 ug/l
RT: 2.666 min Scan# 259
Delta R.T. -0.000 min
Lab File: VX047604.D
Acq: 17 Sep 2025 10:09

Tgt Ion: 41 Resp: 80667

Ion	Ratio	Lower	Upper
41	100		
39	68.1	54.7	82.1
76	31.2	25.7	38.5



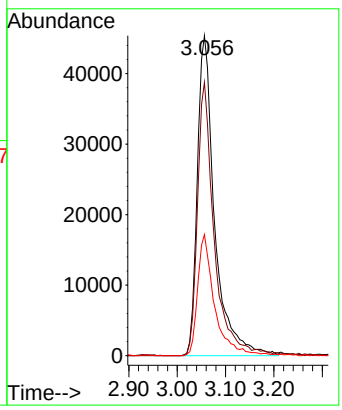


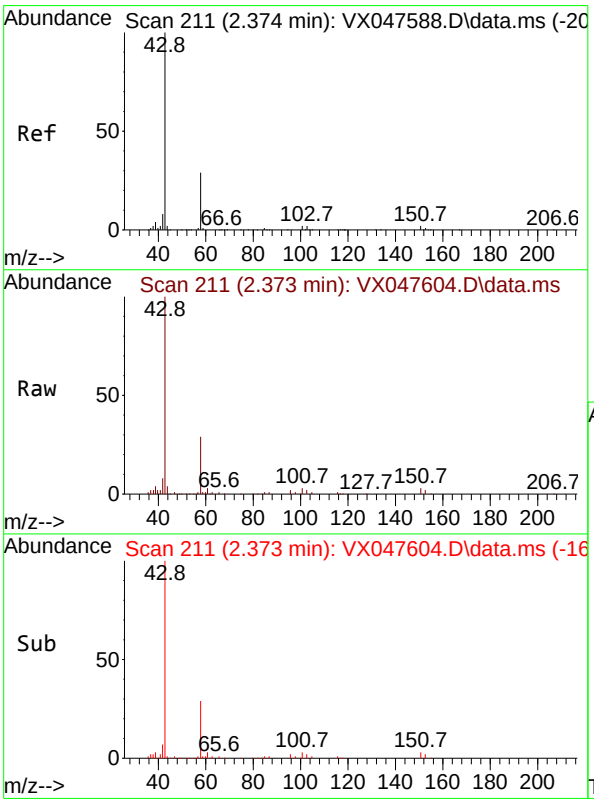
#15
Acrylonitrile
Concen: 87.930 ug/l
RT: 3.056 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047604.D
Acq: 17 Sep 2025 10:09

Instrument :
MSVOA_X
ClientSampleId :
VX0917WBS01

Tgt Ion: 53 Resp: 112971

Ion	Ratio	Lower	Upper
53	100		
52	83.0	66.4	99.6
51	36.9	29.5	44.3

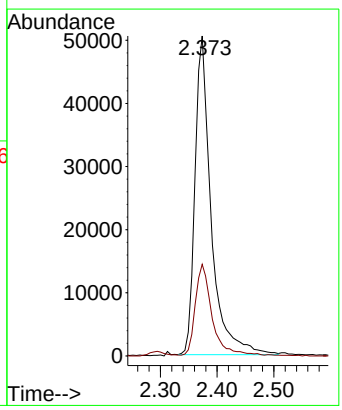


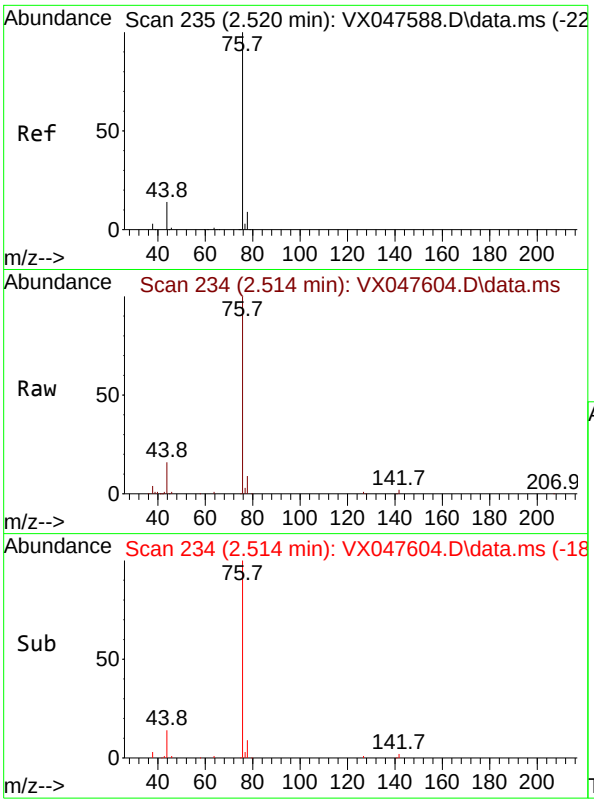


#16
Acetone
Concen: 73.817 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX047604.D
Acq: 17 Sep 2025 10:09

Tgt Ion: 43 Resp: 99959

Ion	Ratio	Lower	Upper
43	100		
58	29.9	23.4	35.0



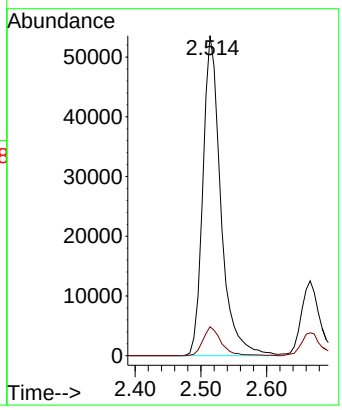


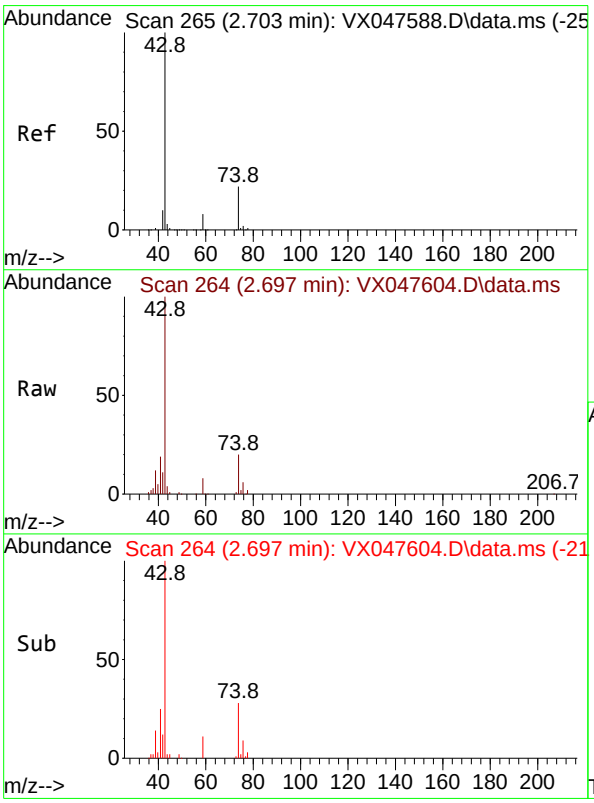
#17
Carbon Disulfide
Concen: 15.975 ug/l
RT: 2.514 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047604.D
Acq: 17 Sep 2025 10:09

Instrument :
MSVOA_X
ClientSampleId :
VX0917WBS01

Tgt Ion: 76 Resp: 101664

Ion	Ratio	Lower	Upper
76	100		
78	9.1	6.8	10.2

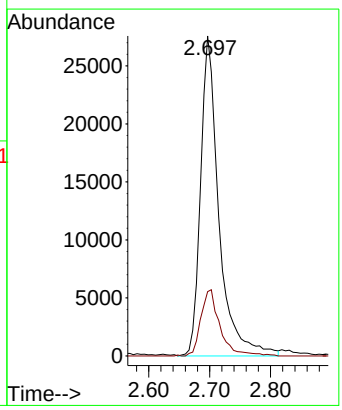


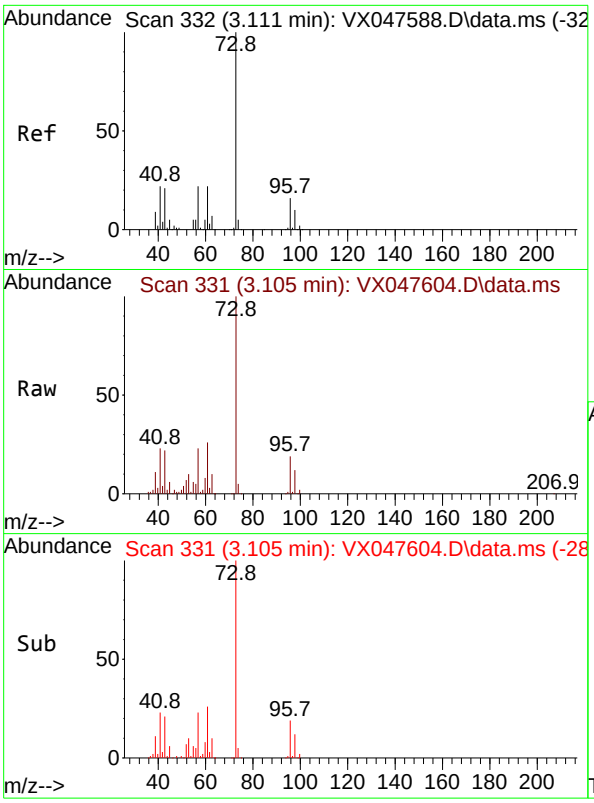


#18
Methyl Acetate
Concen: 19.170 ug/l
RT: 2.697 min Scan# 264
Delta R.T. -0.006 min
Lab File: VX047604.D
Acq: 17 Sep 2025 10:09

Tgt Ion: 43 Resp: 57770

Ion	Ratio	Lower	Upper
43	100		
74	21.7	17.4	26.2



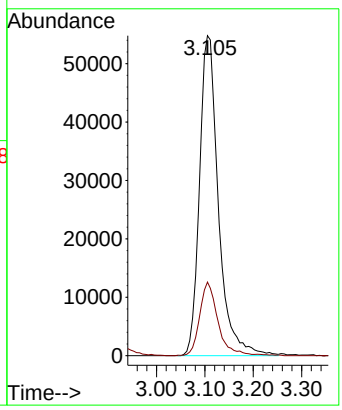


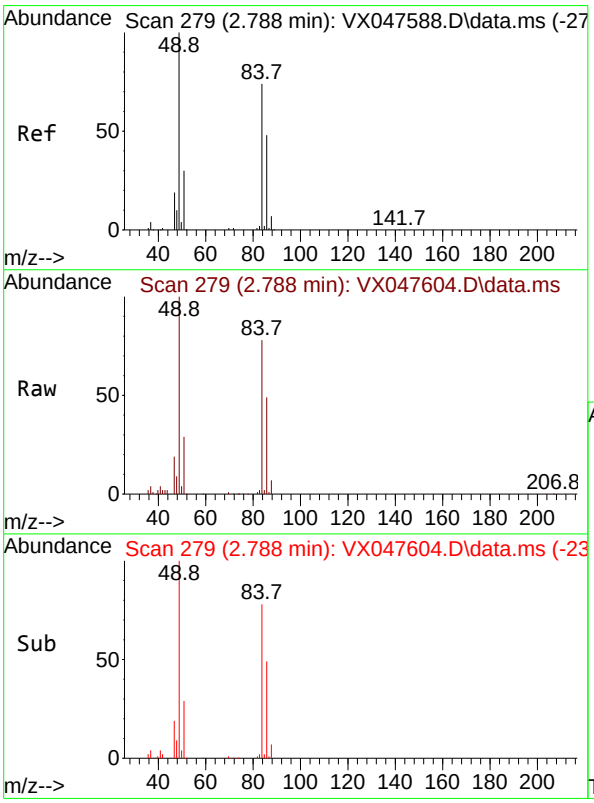
#19
Methyl tert-butyl Ether
Concen: 17.547 ug/l
RT: 3.105 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047604.D
Acq: 17 Sep 2025 10:09

Instrument :
MSVOA_X
ClientSampleId :
VX0917WBS01

Tgt Ion: 73 Resp: 148899

Ion	Ratio	Lower	Upper
73	100		
57	22.8	17.4	26.2

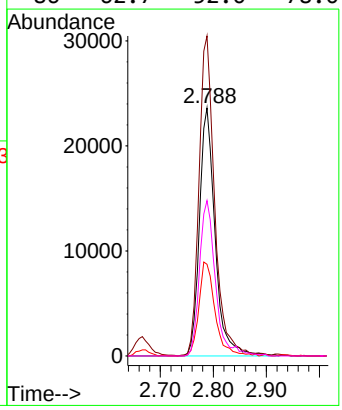


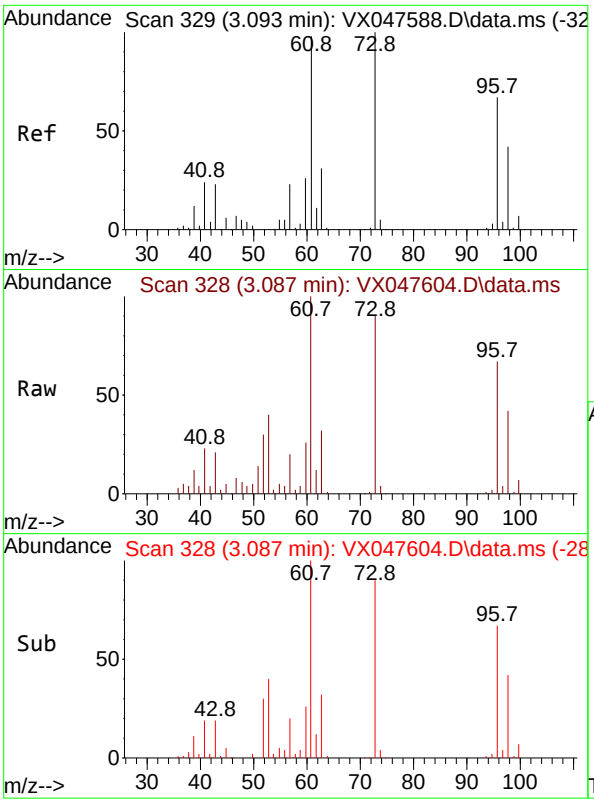


#20
Methylene Chloride
Concen: 16.931 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX047604.D
Acq: 17 Sep 2025 10:09

Tgt Ion: 84 Resp: 48530

Ion	Ratio	Lower	Upper
84	100		
49	129.0	108.6	162.8
51	37.0	32.6	48.8
86	62.7	52.0	78.0



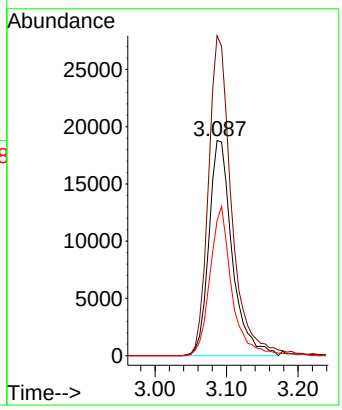


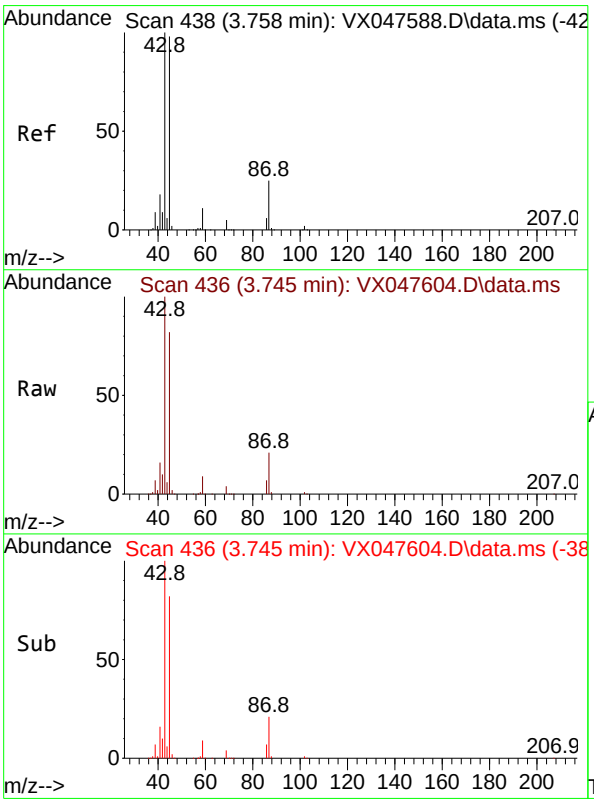
#21
trans-1,2-Dichloroethene
Concen: 16.980 ug/l
RT: 3.087 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047604.D
Acq: 17 Sep 2025 10:09

Instrument :
MSVOA_X
ClientSampleId :
VX0917WBS01

Tgt Ion: 96 Resp: 42497

Ion	Ratio	Lower	Upper
96	100		
61	148.7	116.2	174.2
98	62.7	49.3	73.9

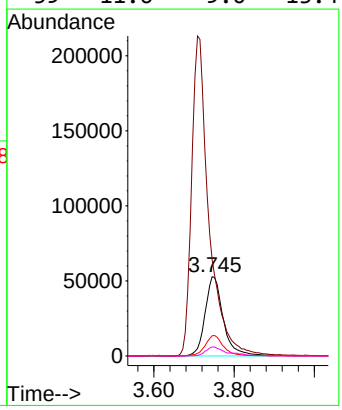


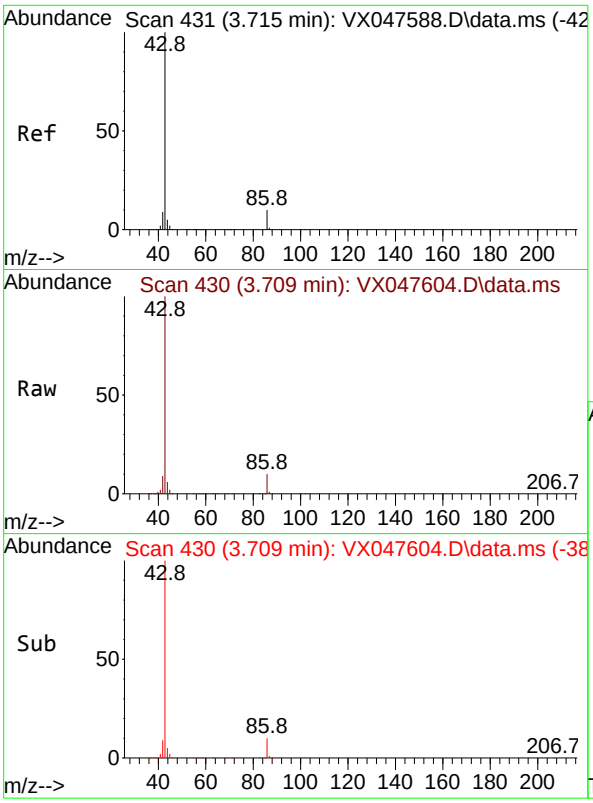


#22
Diisopropyl ether
Concen: 17.879 ug/l
RT: 3.745 min Scan# 436
Delta R.T. -0.012 min
Lab File: VX047604.D
Acq: 17 Sep 2025 10:09

Tgt Ion: 45 Resp: 166210

Ion	Ratio	Lower	Upper
45	100		
43	121.3	81.0	121.4
87	25.4	20.3	30.5
59	11.6	9.0	13.4



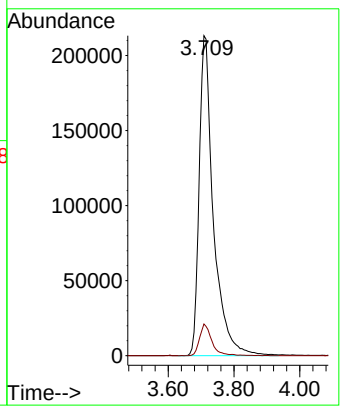


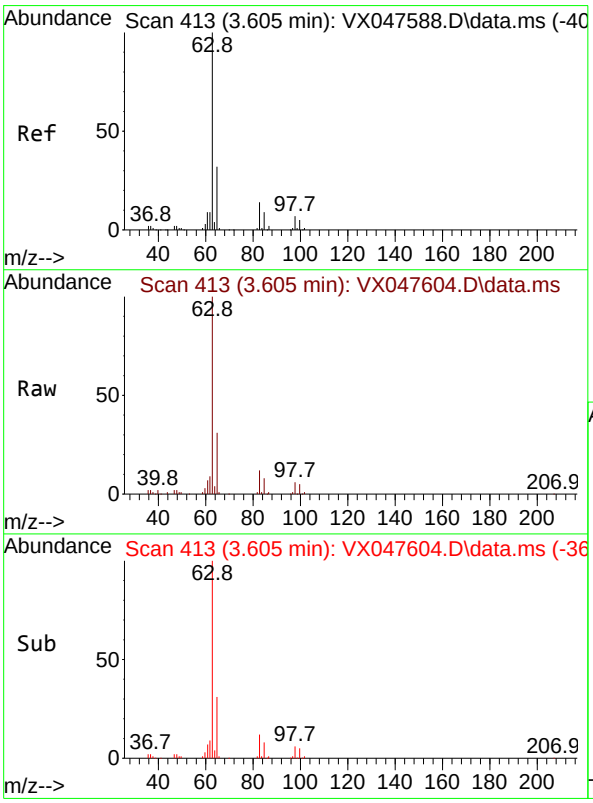
#23
Vinyl Acetate
Concen: 86.219 ug/l
RT: 3.709 min Scan# 4
Delta R.T. -0.006 min
Lab File: VX047604.D
Acq: 17 Sep 2025 10:09

Instrument :
MSVOA_X
ClientSampleId :
VX0917WBS01

Tgt Ion: 43 Resp: 641507

Ion	Ratio	Lower	Upper
43	100		
86	9.9	7.8	11.8

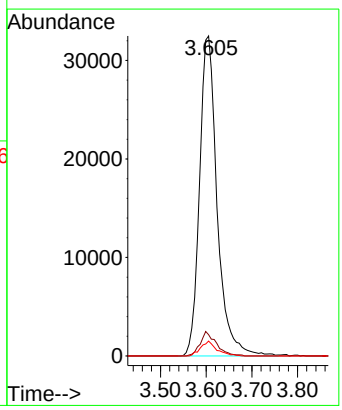


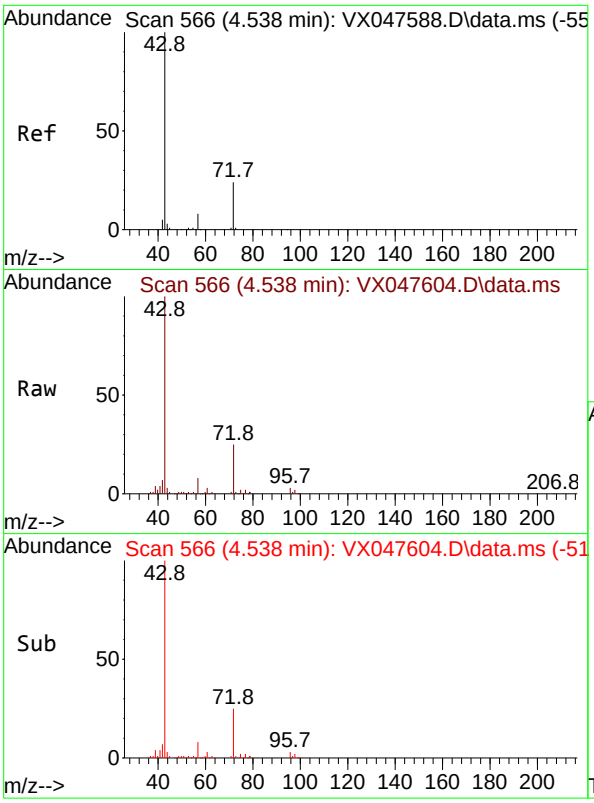


#24
1,1-Dichloroethane
Concen: 17.629 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX047604.D
Acq: 17 Sep 2025 10:09

Tgt Ion: 63 Resp: 87109

Ion	Ratio	Lower	Upper
63	100		
98	6.6	3.8	11.2
100	4.7	2.3	6.9



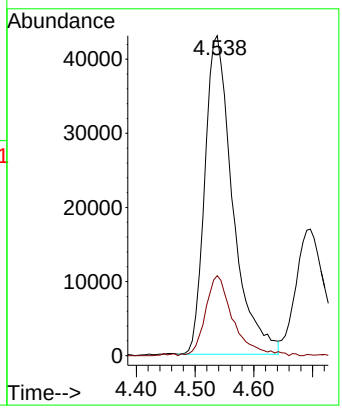


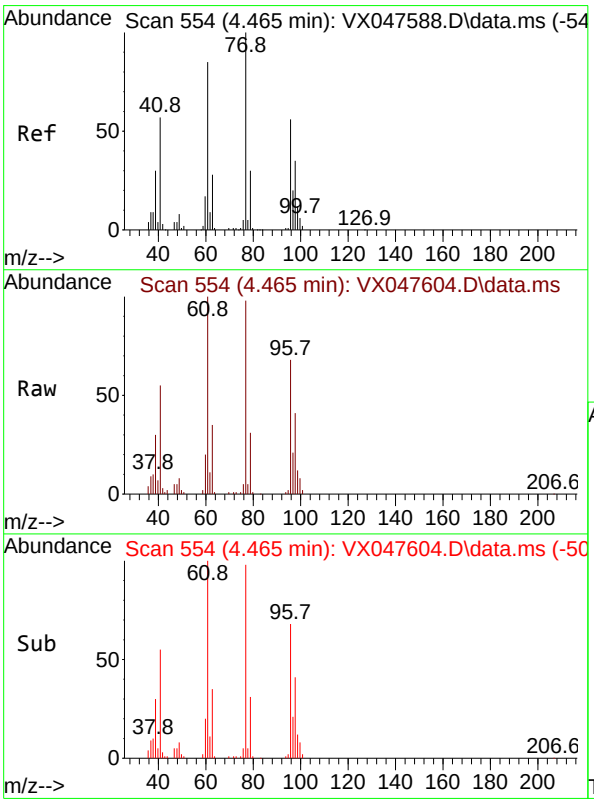
#25
2-Butanone
Concen: 83.988 ug/l
RT: 4.538 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX047604.D
Acq: 17 Sep 2025 10:09

Instrument :
MSVOA_X
ClientSampleId :
VX0917WBS01

Tgt Ion: 43 Resp: 141866

Ion	Ratio	Lower	Upper
43	100		
72	24.7	20.1	30.1

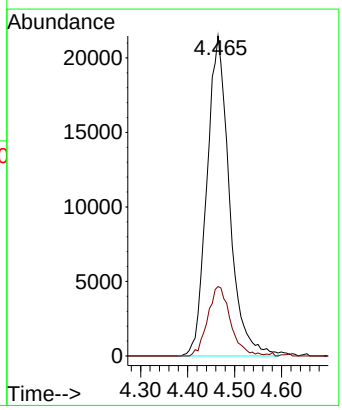


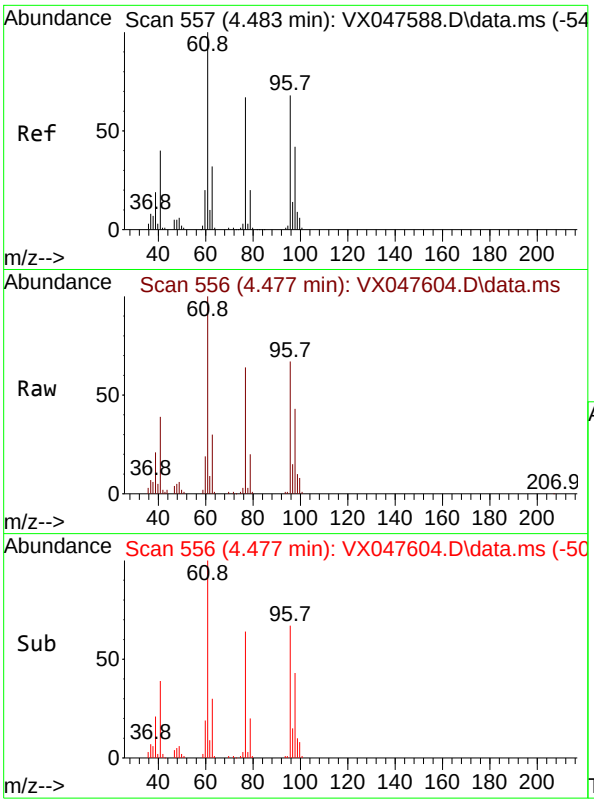


#26
2,2-Dichloropropane
Concen: 17.396 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.000 min
Lab File: VX047604.D
Acq: 17 Sep 2025 10:09

Tgt Ion: 77 Resp: 71454

Ion	Ratio	Lower	Upper
77	100		
97	21.9	10.9	32.7



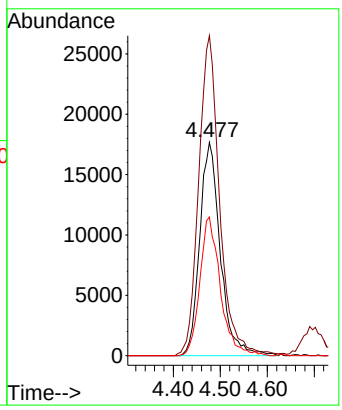


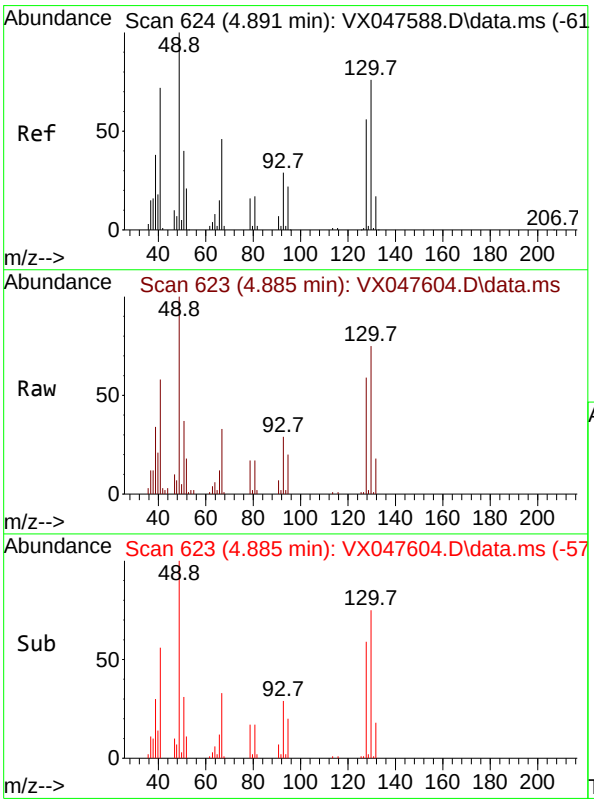
#27
cis-1,2-Dichloroethene
Concen: 17.564 ug/l
RT: 4.477 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX047604.D
Acq: 17 Sep 2025 10:09

Instrument :
MSVOA_X
ClientSampleId :
VX0917WBS01

Tgt Ion: 96 Resp: 53833

Ion	Ratio	Lower	Upper
96	100		
61	152.4	0.0	303.2
98	64.8	0.0	127.8

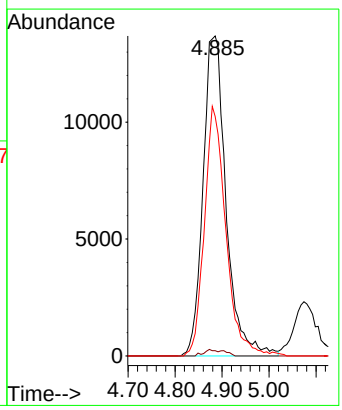


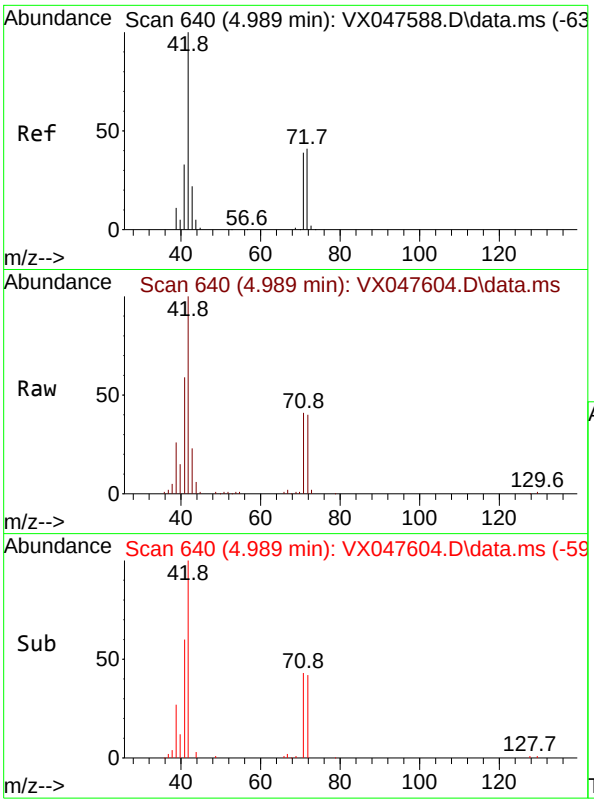


#28
Bromochloromethane
Concen: 21.562 ug/l
RT: 4.885 min Scan# 623
Delta R.T. -0.006 min
Lab File: VX047604.D
Acq: 17 Sep 2025 10:09

Tgt Ion: 49 Resp: 46513

Ion	Ratio	Lower	Upper
49	100		
129	1.1	0.0	3.2
130	72.5	57.8	86.8



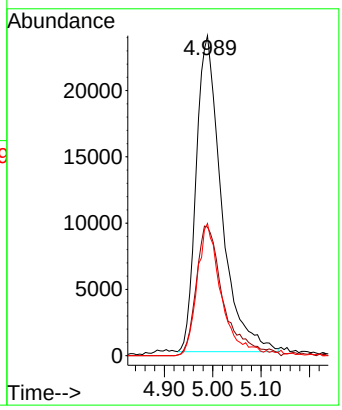


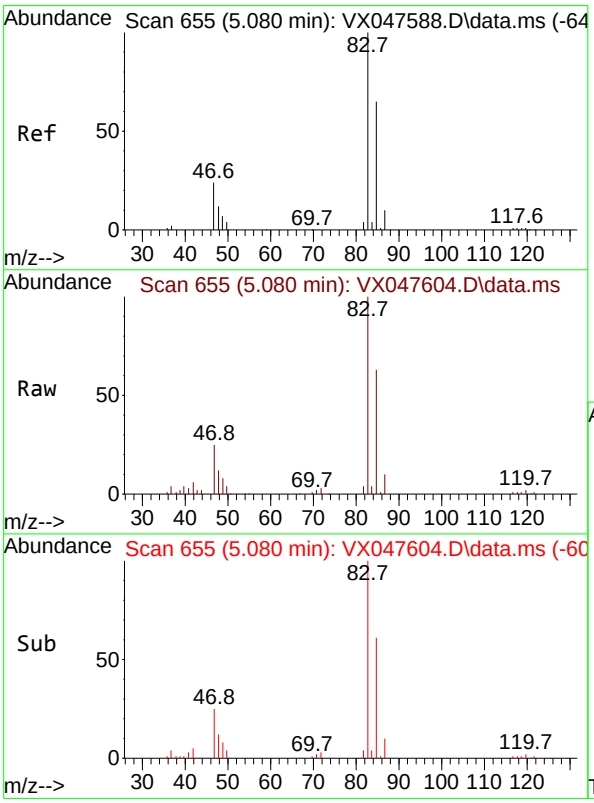
#29
Tetrahydrofuran
Concen: 85.223 ug/l
RT: 4.989 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX047604.D
Acq: 17 Sep 2025 10:09

Instrument :
MSVOA_X
ClientSampleId :
VX0917WBS01

Tgt Ion: 42 Resp: 86598

Ion	Ratio	Lower	Upper
42	100		
72	44.1	34.2	51.2
71	39.8	31.9	47.9

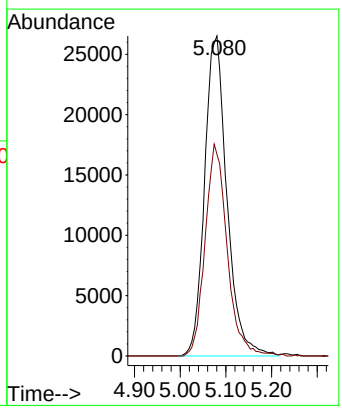


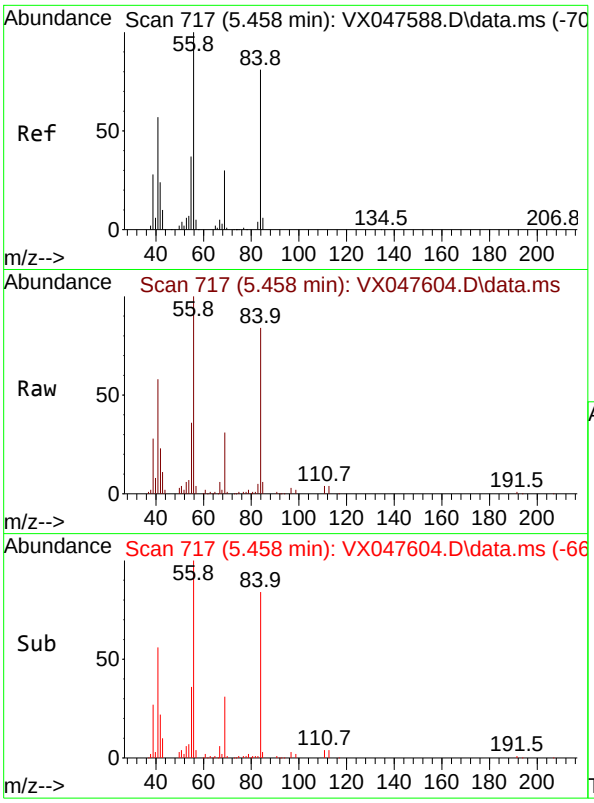


#30
Chloroform
Concen: 18.035 ug/l
RT: 5.080 min Scan# 655
Delta R.T. -0.000 min
Lab File: VX047604.D
Acq: 17 Sep 2025 10:09

Tgt Ion: 83 Resp: 90053

Ion	Ratio	Lower	Upper
83	100		
85	60.6	51.8	77.6



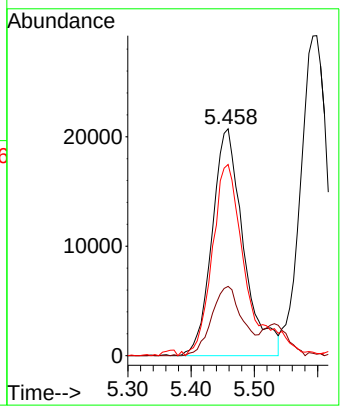


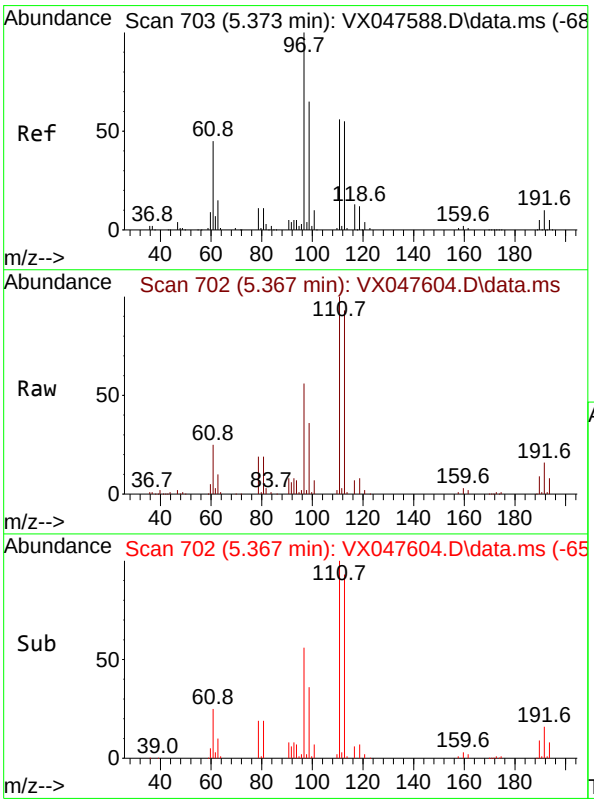
#31
Cyclohexane
Concen: 17.363 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047604.D
Acq: 17 Sep 2025 10:09

Instrument :
MSVOA_X
ClientSampleId :
VX0917WBS01

Tgt Ion: 56 Resp: 71454

Ion	Ratio	Lower	Upper
56	100		
69	30.0	23.8	35.8
84	84.3	64.6	97.0

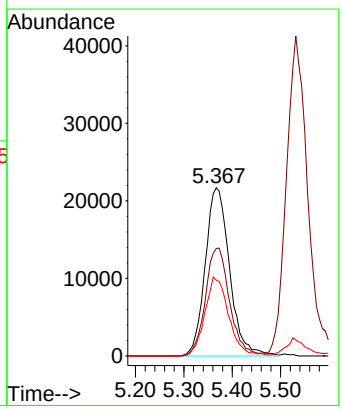


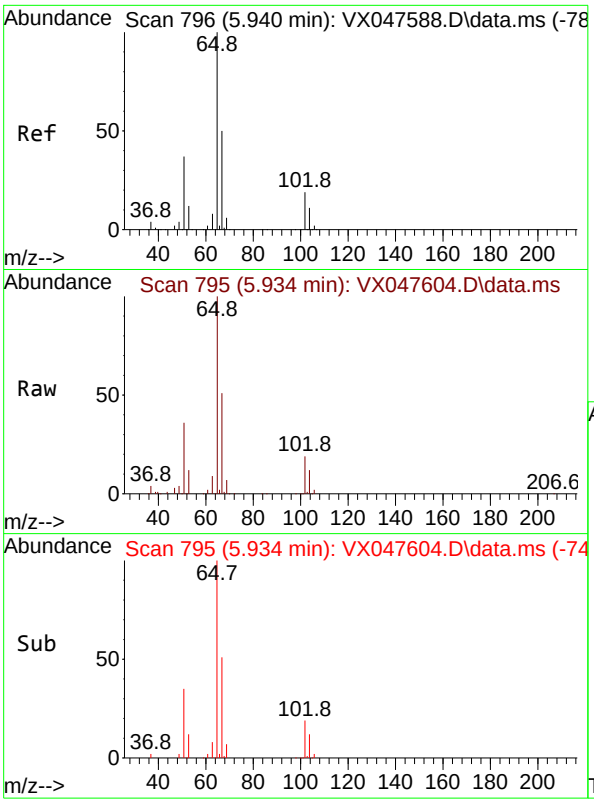


#32
1,1,1-Trichloroethane
Concen: 17.930 ug/l
RT: 5.367 min Scan# 702
Delta R.T. -0.006 min
Lab File: VX047604.D
Acq: 17 Sep 2025 10:09

Tgt Ion: 97 Resp: 75940

Ion	Ratio	Lower	Upper
97	100		
99	63.5	50.6	76.0
61	45.9	35.8	53.8



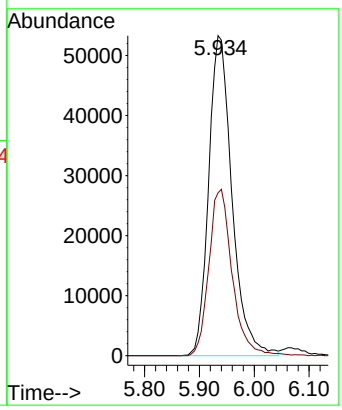


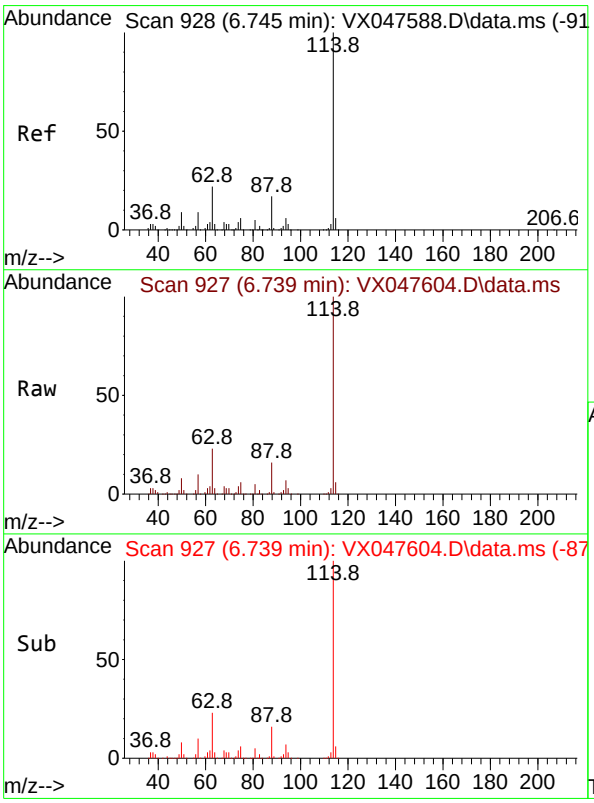
#33
1,2-Dichloroethane-d4
Concen: 50.534 ug/l
RT: 5.934 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047604.D
Acq: 17 Sep 2025 10:09

Instrument :
MSVOA_X
ClientSampleId :
VX0917WBS01

Tgt Ion: 65 Resp: 157383

Ion	Ratio	Lower	Upper
65	100		
67	52.1	0.0	103.0

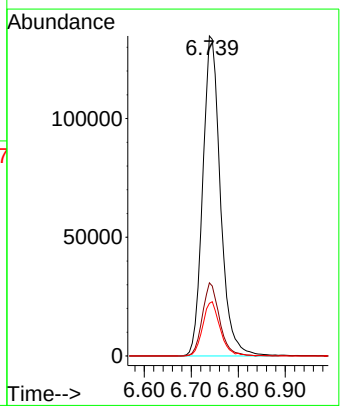


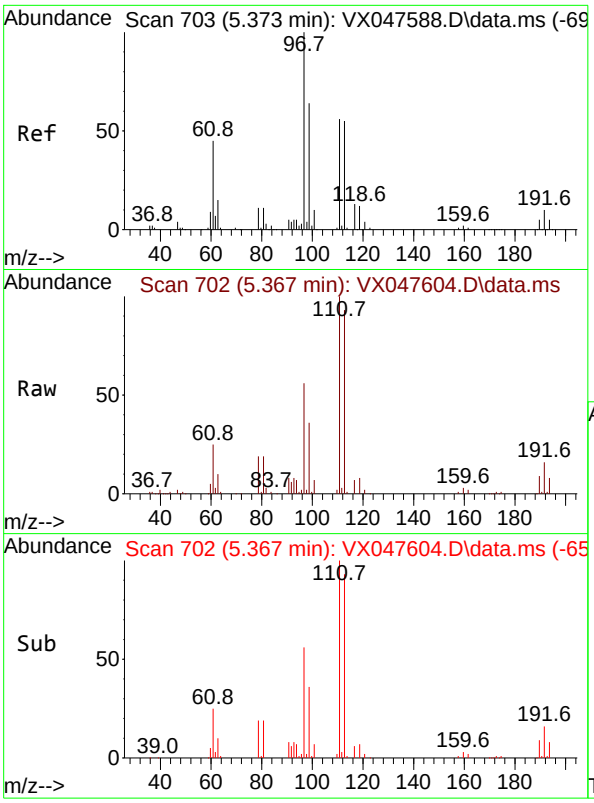


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.739 min Scan# 927
Delta R.T. -0.006 min
Lab File: VX047604.D
Acq: 17 Sep 2025 10:09

Tgt Ion:114 Resp: 351376

Ion	Ratio	Lower	Upper
114	100		
63	22.9	0.0	44.0
88	16.4	0.0	34.2



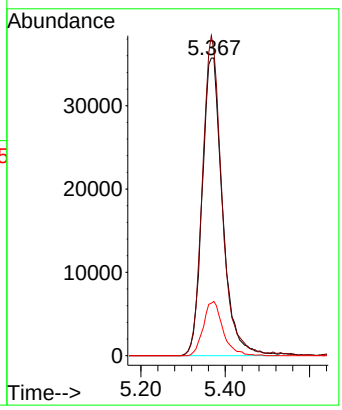


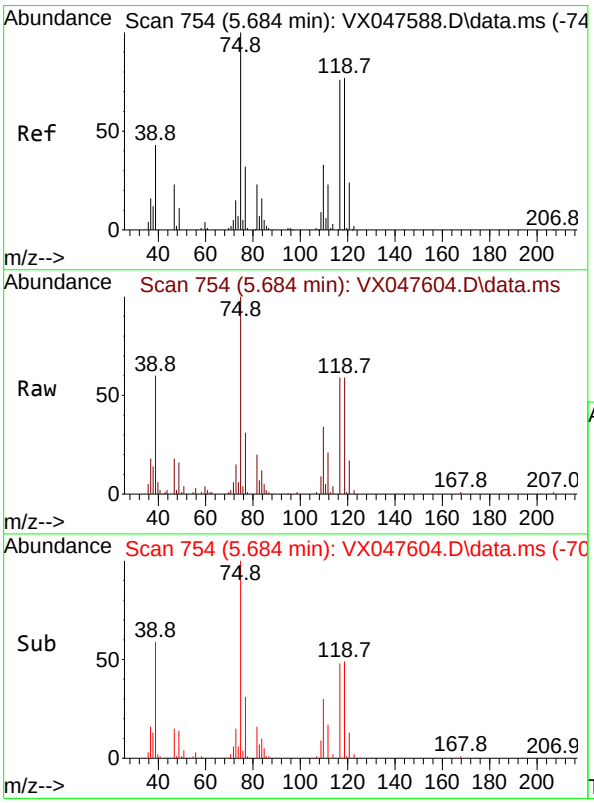
#35
Dibromofluoromethane
Concen: 50.870 ug/l
RT: 5.367 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047604.D
Acq: 17 Sep 2025 10:09

Instrument :
MSVOA_X
ClientSampleId :
VX0917WBS01

Tgt Ion:113 Resp: 119877

Ion	Ratio	Lower	Upper
113	100		
111	102.7	80.9	121.3
192	17.6	14.2	21.4

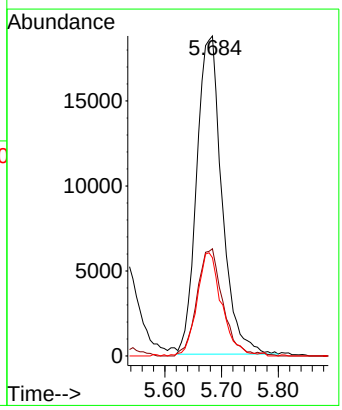


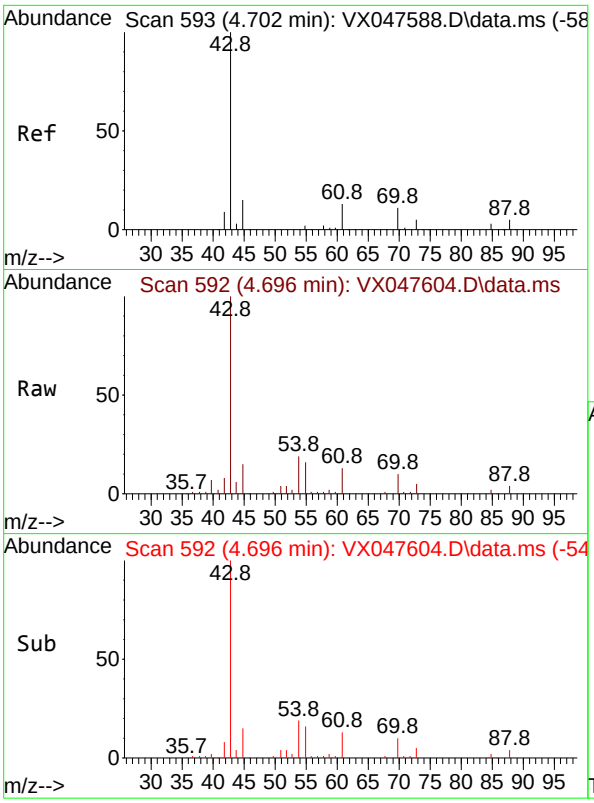


#36
1,1-Dichloropropene
Concen: 16.813 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.000 min
Lab File: VX047604.D
Acq: 17 Sep 2025 10:09

Tgt Ion: 75 Resp: 57894

Ion	Ratio	Lower	Upper
75	100		
110	34.8	16.7	50.1
77	31.8	24.3	36.5



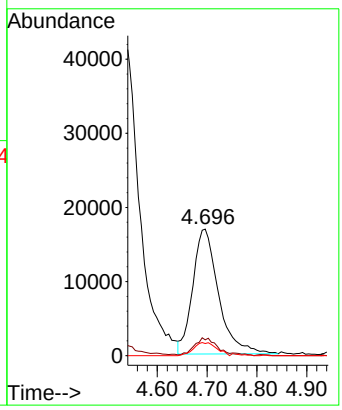


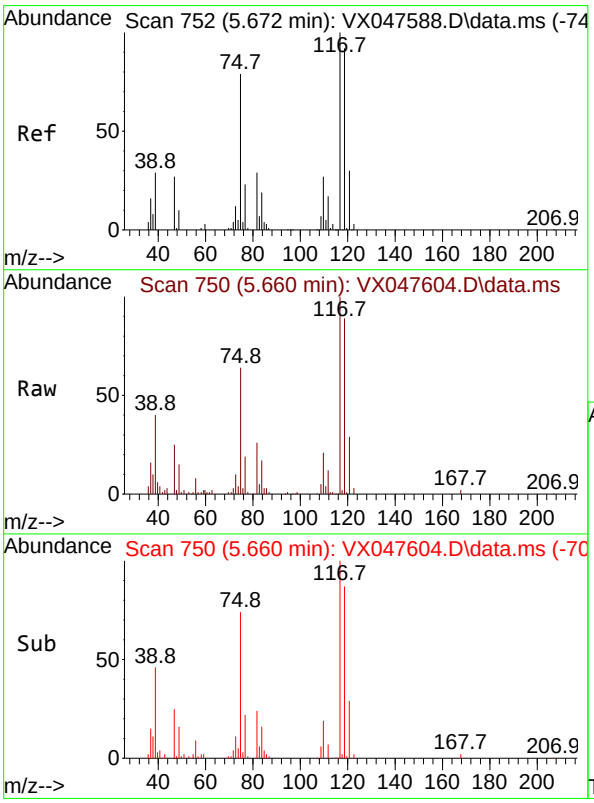
#37
Ethyl Acetate
Concen: 16.418 ug/l
RT: 4.696 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX047604.D
Acq: 17 Sep 2025 10:09

Instrument :
MSVOA_X
ClientSampleId :
VX0917WBS01

Tgt Ion: 43 Resp: 60533

Ion	Ratio	Lower	Upper
43	100		
61	13.3	9.8	14.8
70	9.3	7.9	11.9

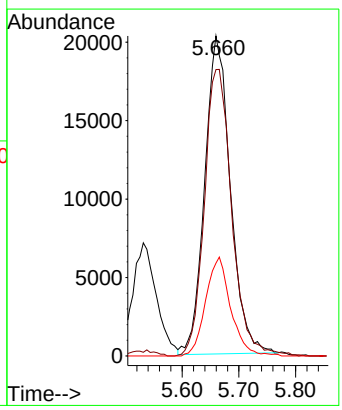


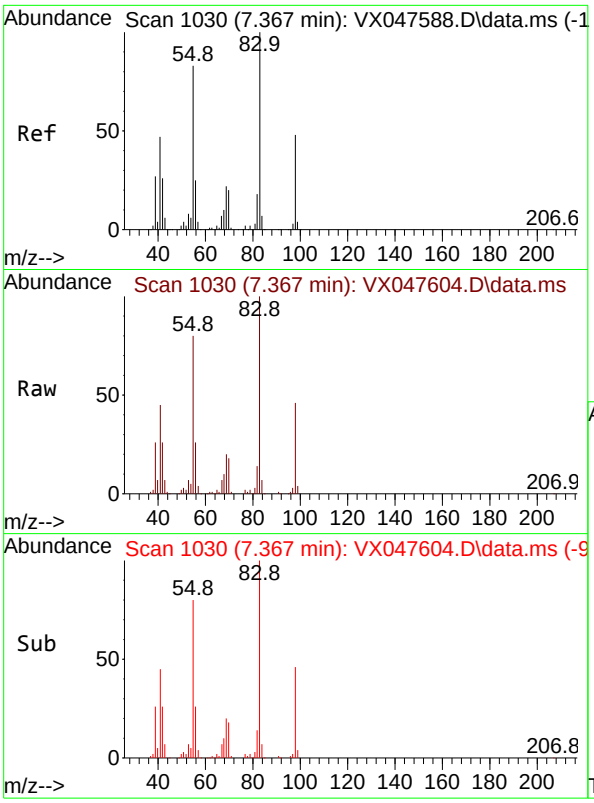


#38
Carbon Tetrachloride
Concen: 17.043 ug/l
RT: 5.660 min Scan# 750
Delta R.T. -0.012 min
Lab File: VX047604.D
Acq: 17 Sep 2025 10:09

Tgt Ion:117 Resp: 63765

Ion	Ratio	Lower	Upper
117	100		
119	90.1	73.4	110.2
121	29.3	23.8	35.6



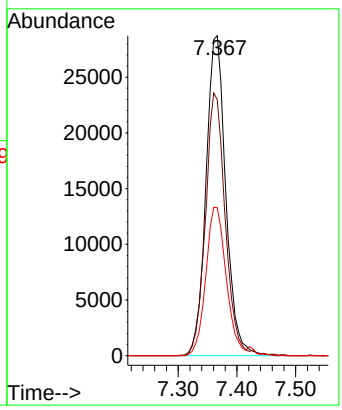


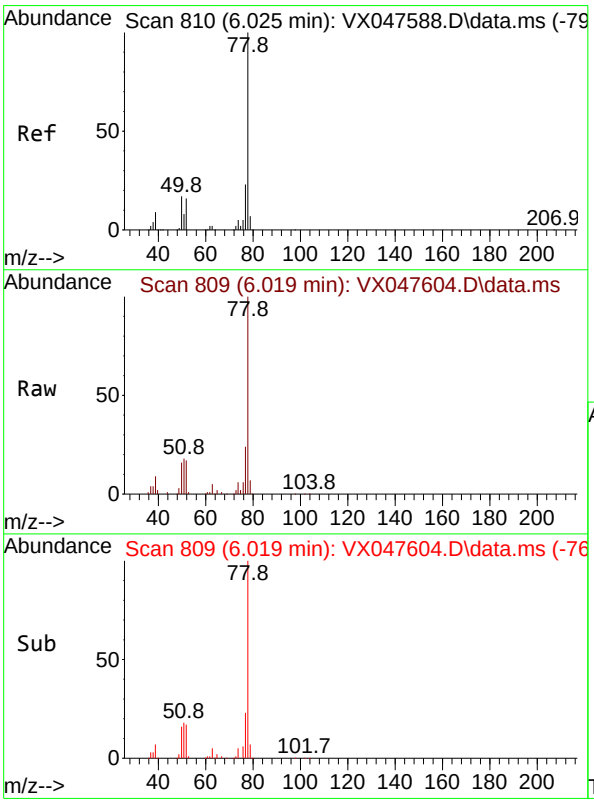
#39
Methylcyclohexane
Concen: 17.200 ug/l
RT: 7.367 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047604.D
Acq: 17 Sep 2025 10:09

Instrument :
MSVOA_X
ClientSampleId :
VX0917WBS01

Tgt Ion: 83 Resp: 67230

Ion	Ratio	Lower	Upper
83	100		
55	80.0	66.4	99.6
98	46.2	38.1	57.1

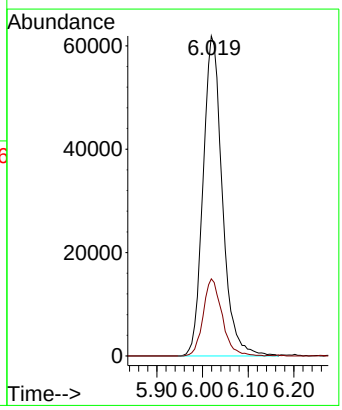


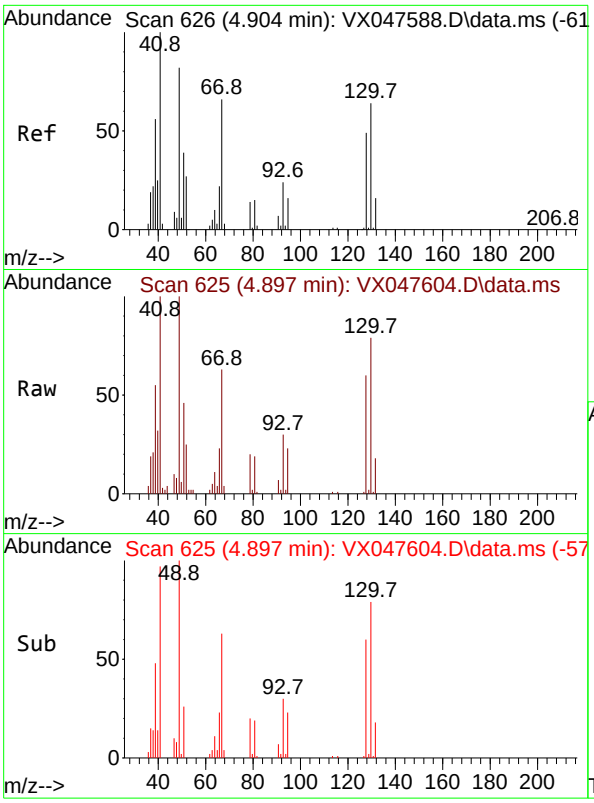


#40
Benzene
Concen: 17.312 ug/l
RT: 6.019 min Scan# 809
Delta R.T. -0.006 min
Lab File: VX047604.D
Acq: 17 Sep 2025 10:09

Tgt Ion: 78 Resp: 181057

Ion	Ratio	Lower	Upper
78	100		
77	24.1	18.8	28.2



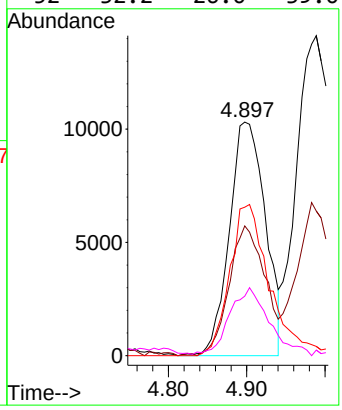


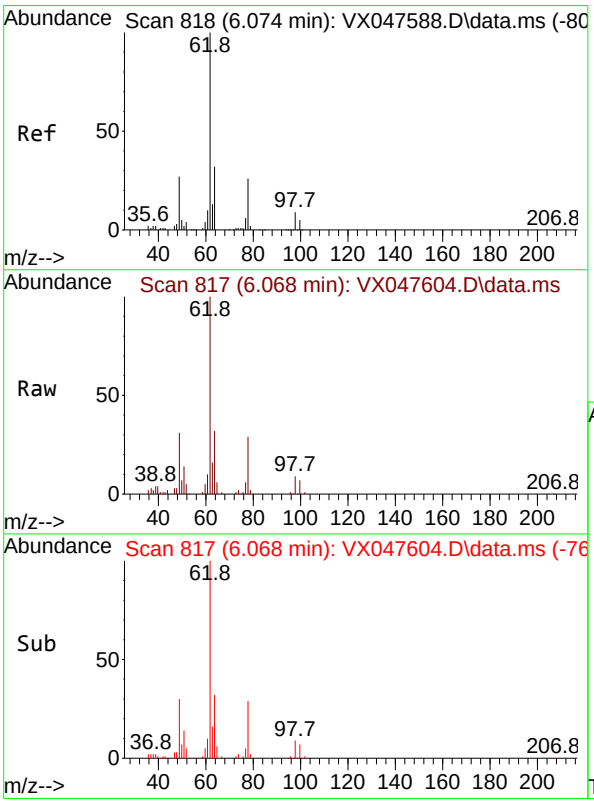
#41
Methacrylonitrile
Concen: 17.337 ug/l
RT: 4.897 min Scan# 6
Delta R.T. -0.006 min
Lab File: VX047604.D
Acq: 17 Sep 2025 10:09

Instrument :
MSVOA_X
ClientSampleId :
VX0917WBS01

Tgt Ion: 41 Resp: 33000

Ion	Ratio	Lower	Upper
41	100		
39	55.3	43.3	64.9
67	73.1	58.6	87.8
52	32.2	26.0	39.0

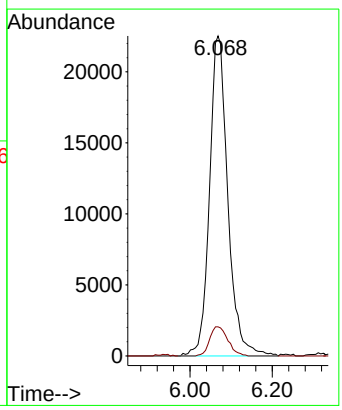


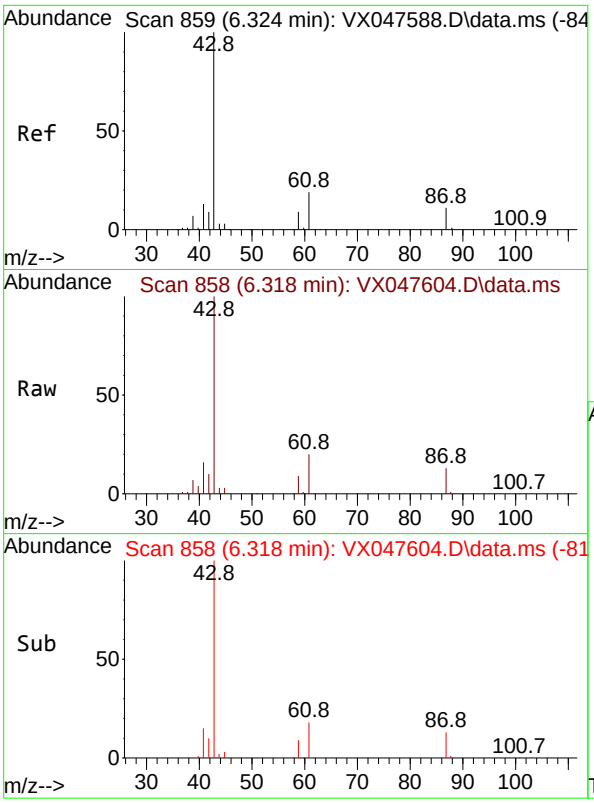


#42
1,2-Dichloroethane
Concen: 17.487 ug/l
RT: 6.068 min Scan# 817
Delta R.T. -0.006 min
Lab File: VX047604.D
Acq: 17 Sep 2025 10:09

Tgt Ion: 62 Resp: 69587

Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	17.0



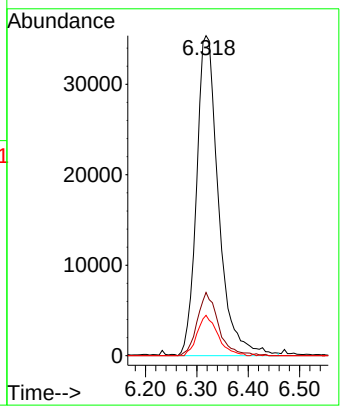


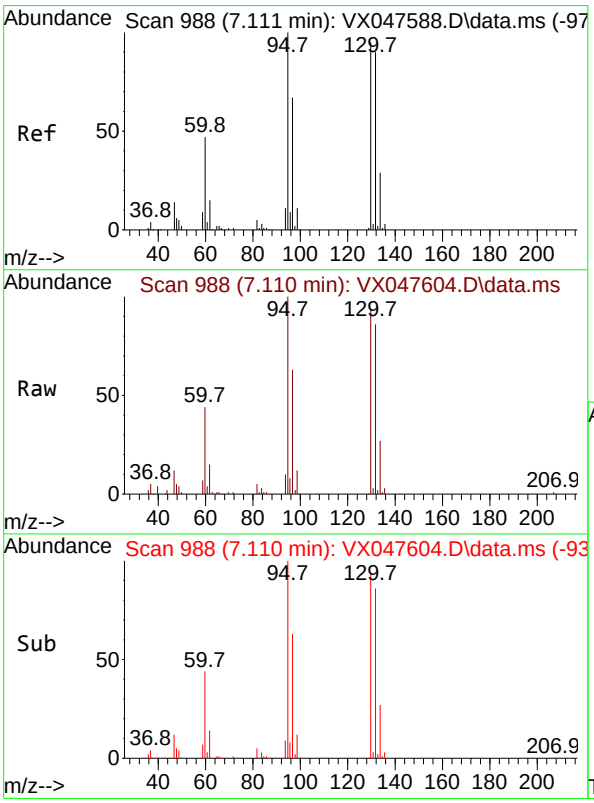
#43
Isopropyl Acetate
Concen: 17.392 ug/l
RT: 6.318 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX047604.D
Acq: 17 Sep 2025 10:09

Instrument :
MSVOA_X
ClientSampleId :
VX0917WBS01

Tgt Ion: 43 Resp: 105168

Ion	Ratio	Lower	Upper
43	100		
61	19.1	15.2	22.8
87	11.9	9.6	14.4

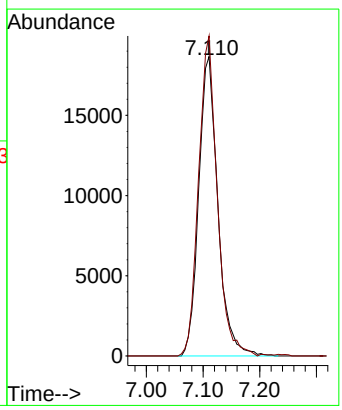


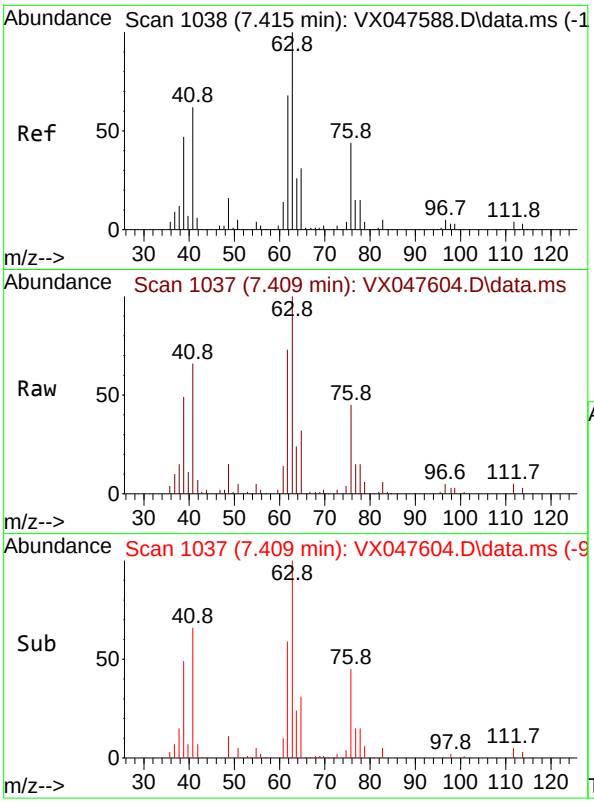


#44
Trichloroethene
Concen: 17.339 ug/l
RT: 7.110 min Scan# 988
Delta R.T. -0.000 min
Lab File: VX047604.D
Acq: 17 Sep 2025 10:09

Tgt Ion:130 Resp: 43841

Ion	Ratio	Lower	Upper
130	100		
95	115.9	0.0	210.8



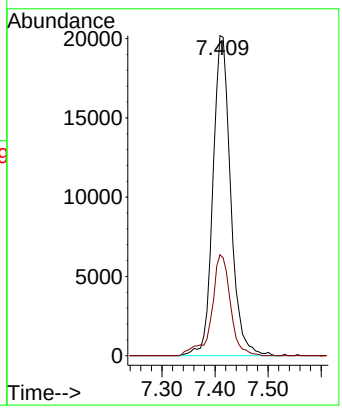


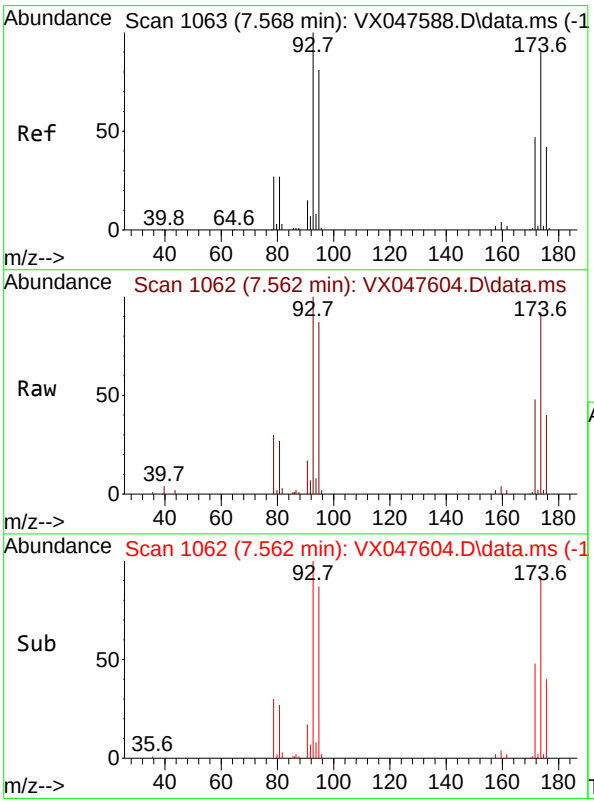
#45
1,2-Dichloropropane
Concen: 17.517 ug/l
RT: 7.409 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047604.D
Acq: 17 Sep 2025 10:09

Instrument :
MSVOA_X
ClientSampleId :
VX0917WBS01

Tgt Ion: 63 Resp: 46912

Ion	Ratio	Lower	Upper
63	100		
65	31.5	24.7	37.1

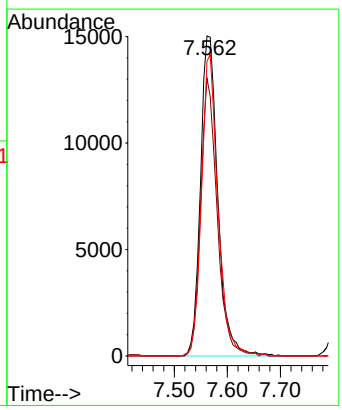


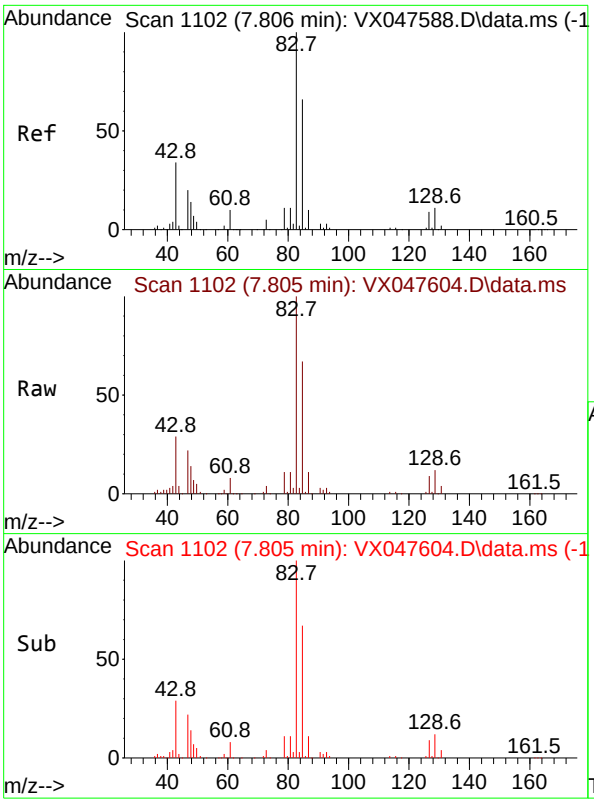


#46
Dibromomethane
Concen: 17.523 ug/l
RT: 7.562 min Scan# 1062
Delta R.T. -0.006 min
Lab File: VX047604.D
Acq: 17 Sep 2025 10:09

Tgt Ion: 93 Resp: 34149

Ion	Ratio	Lower	Upper
93	100		
95	82.6	65.0	97.6
174	89.3	71.6	107.4



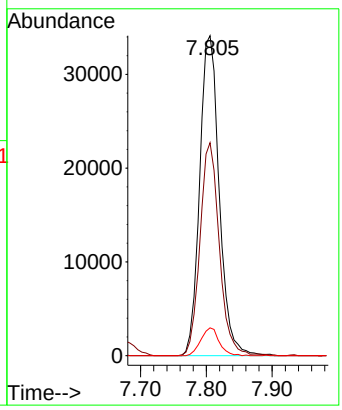


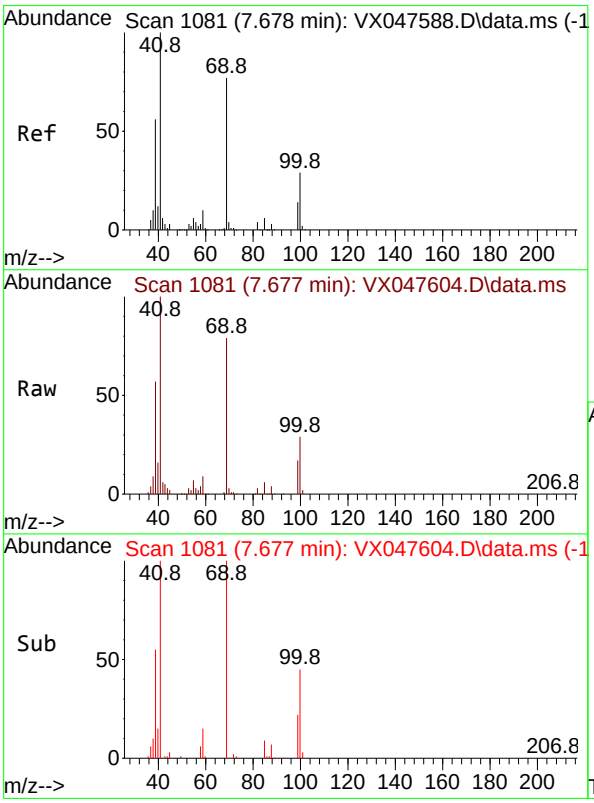
#47
Bromodichloromethane
Concen: 17.523 ug/l
RT: 7.805 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX047604.D
Acq: 17 Sep 2025 10:09

Instrument :
MSVOA_X
ClientSampleId :
VX0917WBS01

Tgt Ion: 83 Resp: 70468

Ion	Ratio	Lower	Upper
83	100		
85	66.6	52.5	78.7
127	8.7	6.9	10.3

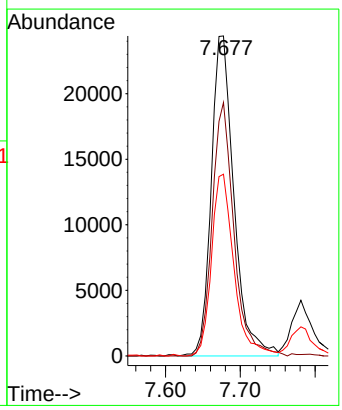


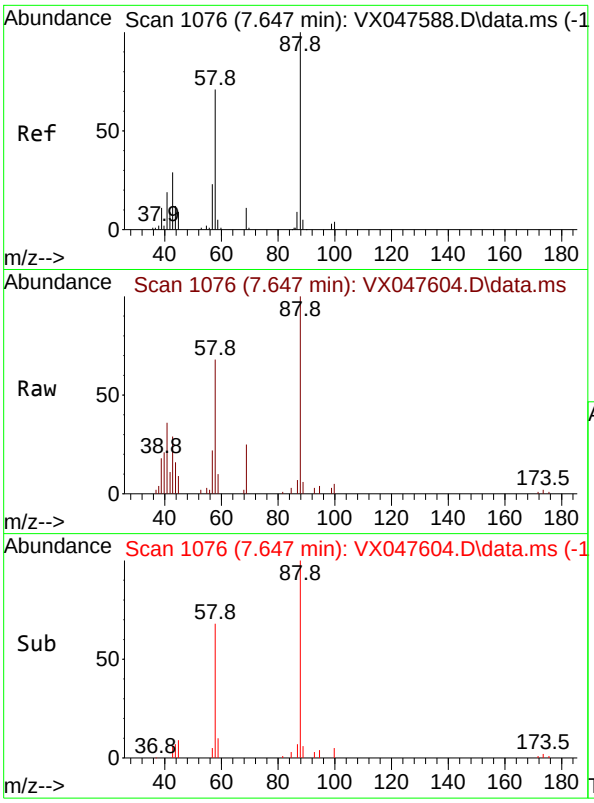


#48
Methyl methacrylate
Concen: 17.137 ug/l
RT: 7.677 min Scan# 1081
Delta R.T. -0.000 min
Lab File: VX047604.D
Acq: 17 Sep 2025 10:09

Tgt Ion: 41 Resp: 51615

Ion	Ratio	Lower	Upper
41	100		
69	75.5	61.4	92.2
39	56.1	45.8	68.6



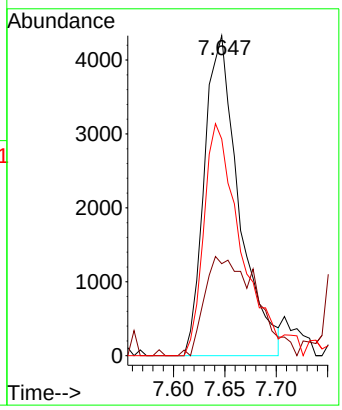


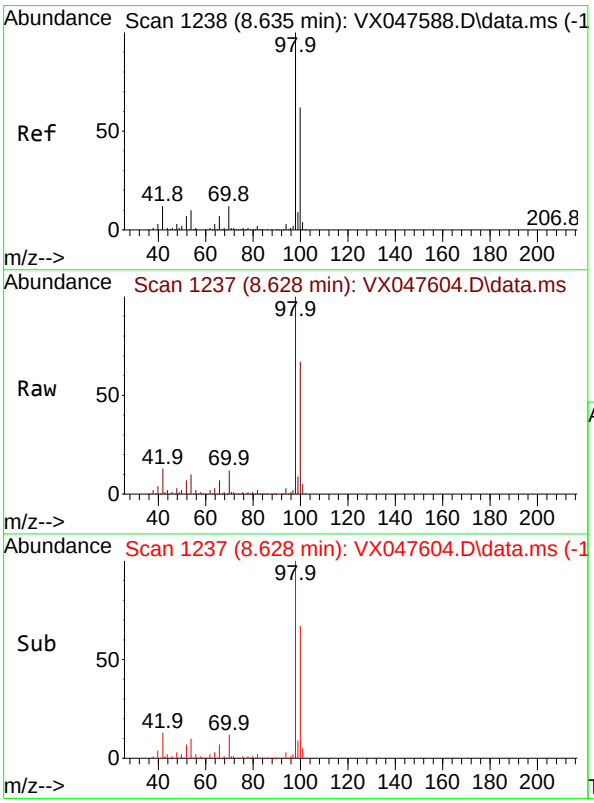
#49
1,4-Dioxane
Concen: 333.385 ug/l
RT: 7.647 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047604.D
Acq: 17 Sep 2025 10:09

Instrument :
MSVOA_X
ClientSampleId :
VX0917WBS01

Tgt Ion: 88 Resp: 10148

Ion	Ratio	Lower	Upper
88	100		
43	46.2	30.2	45.2#
58	79.3	59.5	89.3

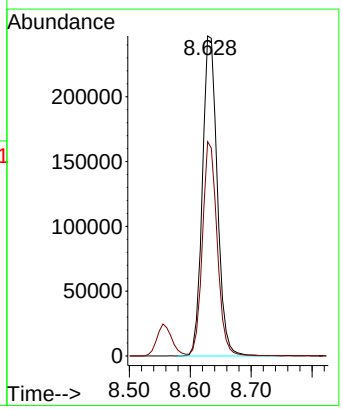


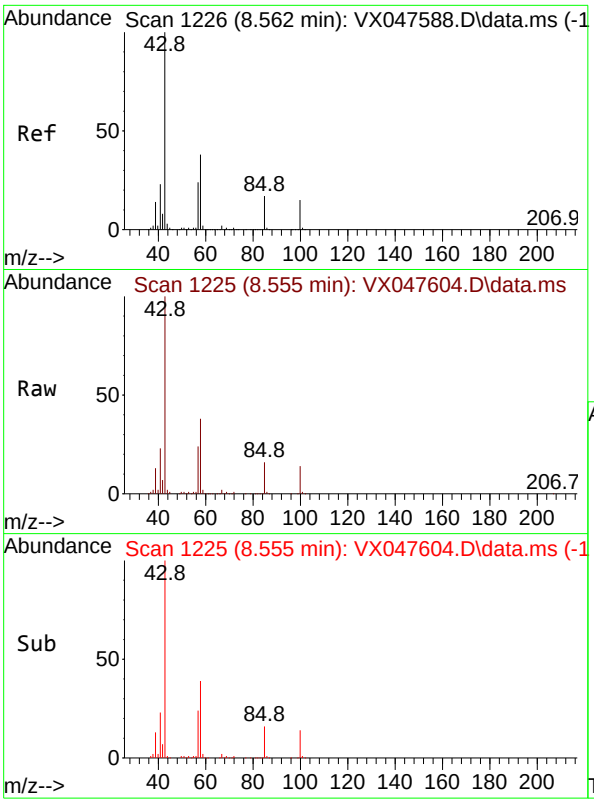


#50
Toluene-d8
Concen: 51.503 ug/l
RT: 8.628 min Scan# 1237
Delta R.T. -0.006 min
Lab File: VX047604.D
Acq: 17 Sep 2025 10:09

Tgt Ion: 98 Resp: 419954

Ion	Ratio	Lower	Upper
98	100		
100	66.0	53.0	79.4



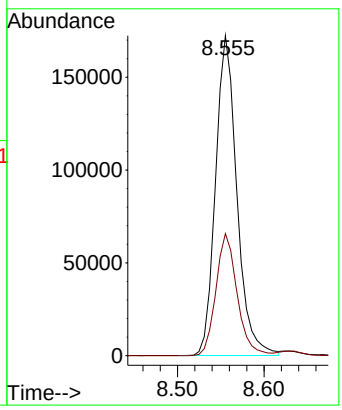


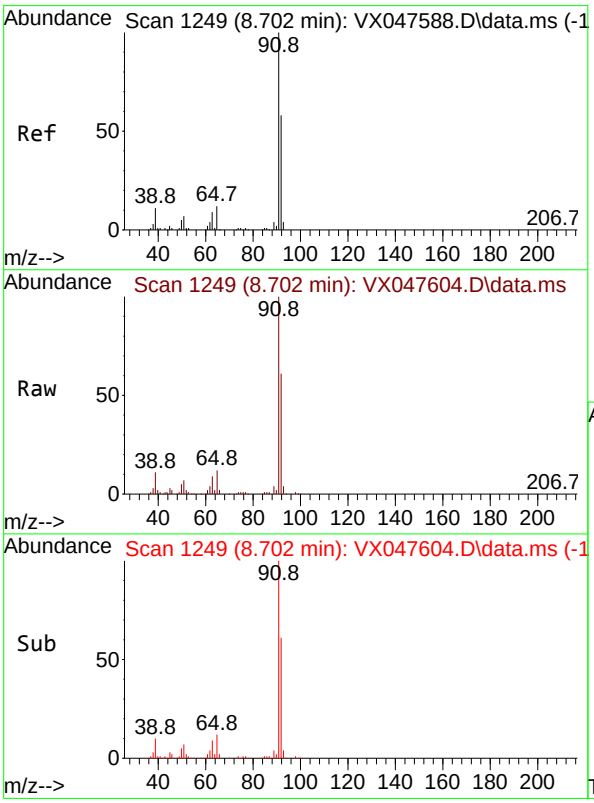
#51
4-Methyl-2-Pentanone
Concen: 87.955 ug/l
RT: 8.555 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047604.D
Acq: 17 Sep 2025 10:09

Instrument :
MSVOA_X
ClientSampleId :
VX0917WBS01

Tgt Ion: 43 Resp: 294879

Ion	Ratio	Lower	Upper
43	100		
58	38.0	30.3	45.5

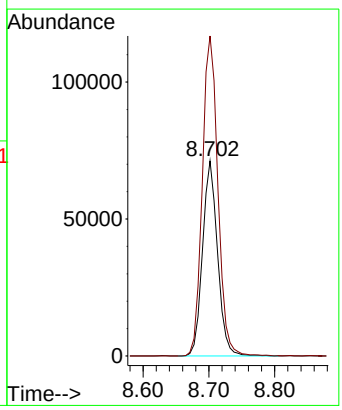


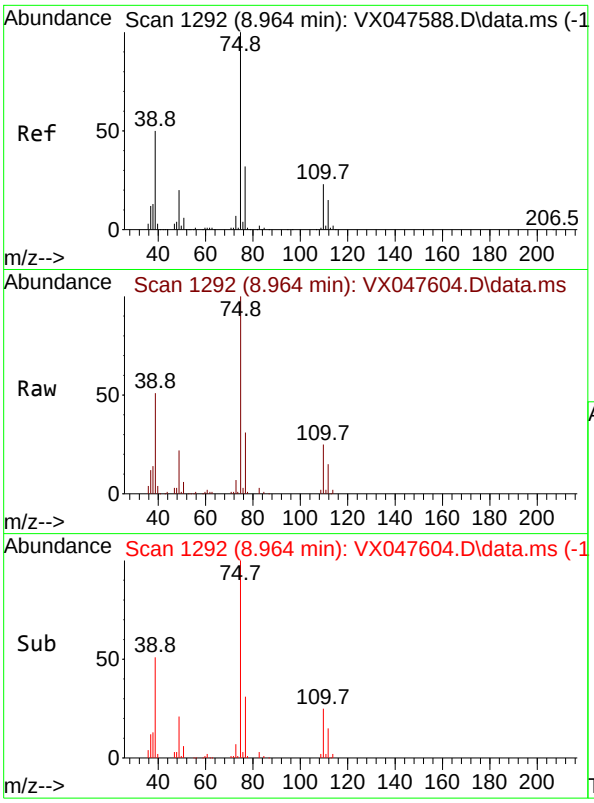


#52
Toluene
Concen: 17.546 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX047604.D
Acq: 17 Sep 2025 10:09

Tgt Ion: 92 Resp: 113060

Ion	Ratio	Lower	Upper
92	100		
91	170.5	137.1	205.7



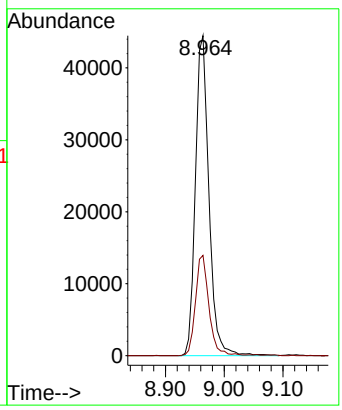


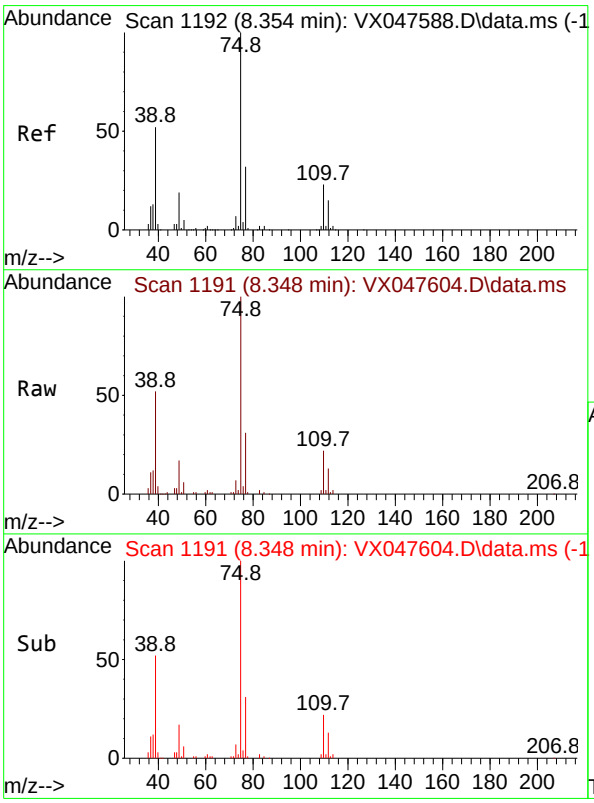
#53
t-1,3-Dichloropropene
Concen: 17.313 ug/l
RT: 8.964 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047604.D
Acq: 17 Sep 2025 10:09

Instrument :
MSVOA_X
ClientSampleId :
VX0917WBS01

Tgt Ion: 75 Resp: 71016

Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.4	38.2

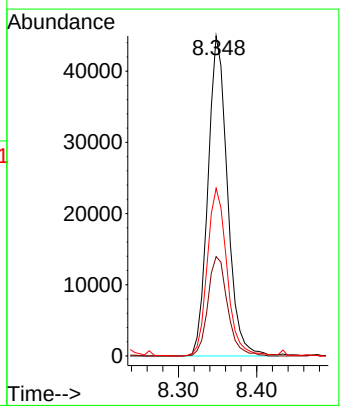


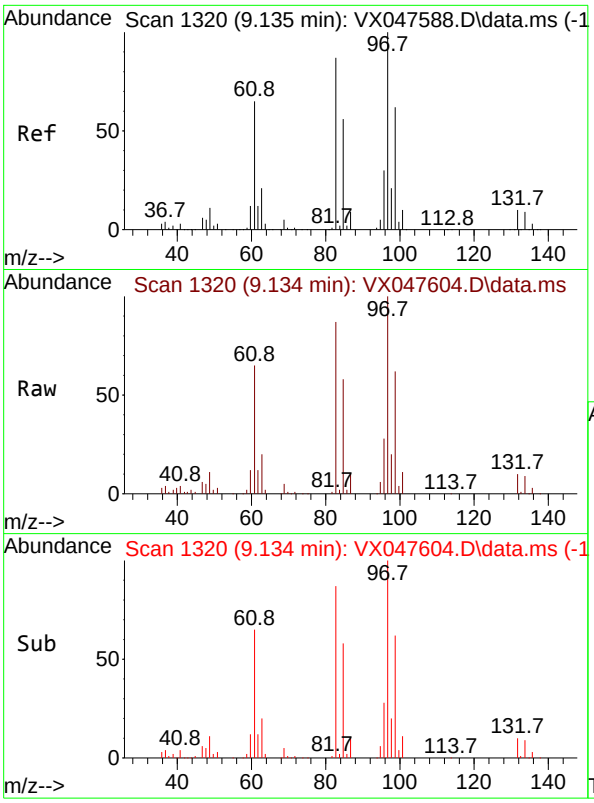


#54
cis-1,3-Dichloropropene
Concen: 17.677 ug/l
RT: 8.348 min Scan# 1191
Delta R.T. -0.006 min
Lab File: VX047604.D
Acq: 17 Sep 2025 10:09

Tgt Ion: 75 Resp: 77501

Ion	Ratio	Lower	Upper
75	100		
77	31.0	25.8	38.6
39	52.0	41.4	62.2



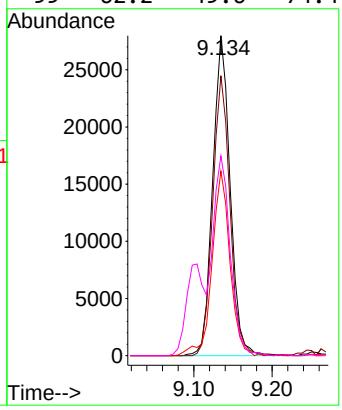


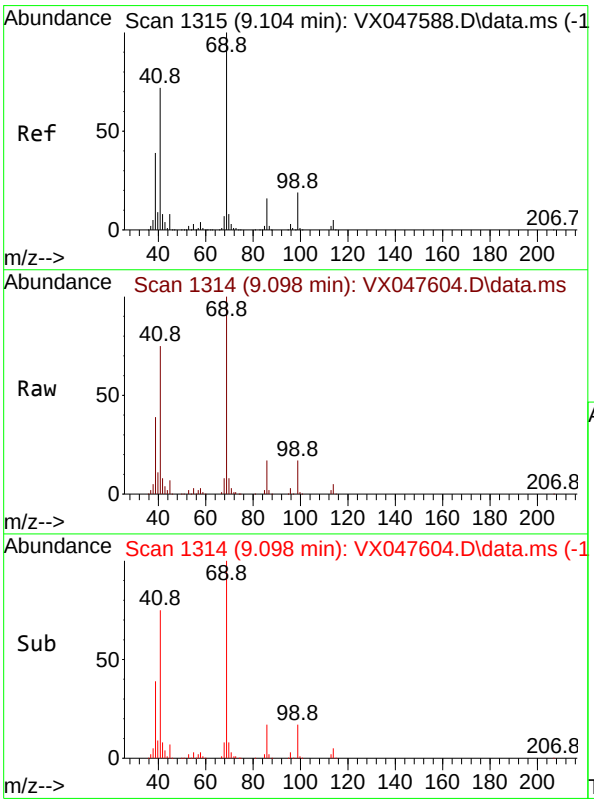
#55
1,1,2-Trichloroethane
Concen: 17.415 ug/l
RT: 9.134 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047604.D
Acq: 17 Sep 2025 10:09

Instrument :
MSVOA_X
ClientSampleId :
VX0917WBS01

Tgt Ion: 97 Resp: 43269

Ion	Ratio	Lower	Upper
97	100		
83	87.5	69.6	104.4
85	57.5	45.0	67.6
99	62.2	49.6	74.4

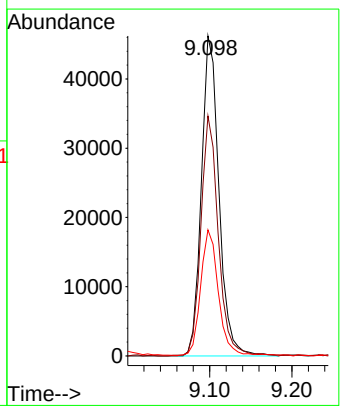


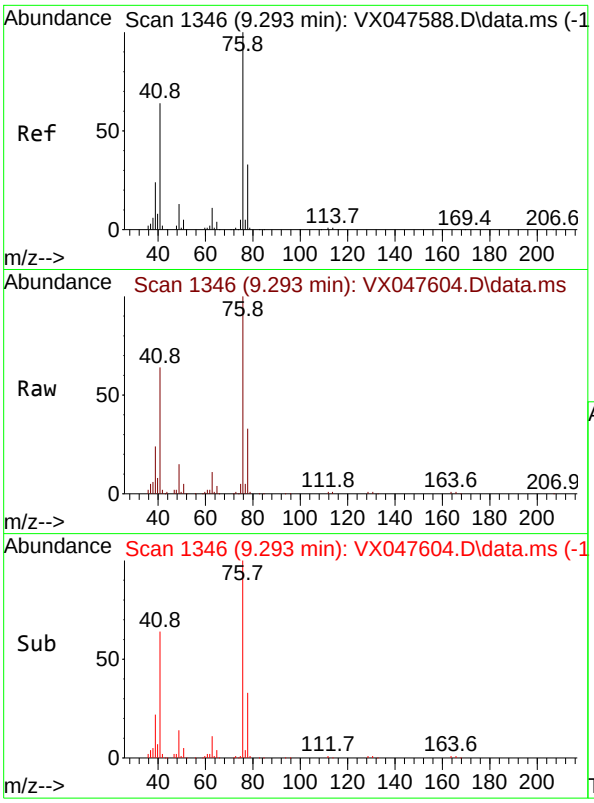


#56
Ethyl methacrylate
Concen: 17.558 ug/l
RT: 9.098 min Scan# 1314
Delta R.T. -0.006 min
Lab File: VX047604.D
Acq: 17 Sep 2025 10:09

Tgt Ion: 69 Resp: 68509

Ion	Ratio	Lower	Upper
69	100		
41	74.6	58.6	87.8
39	40.5	31.5	47.3



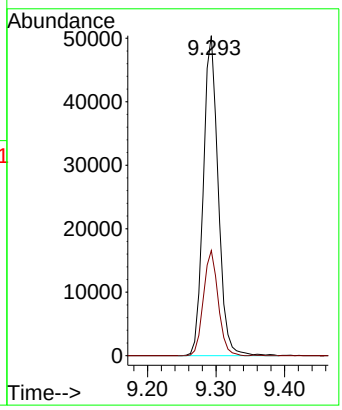


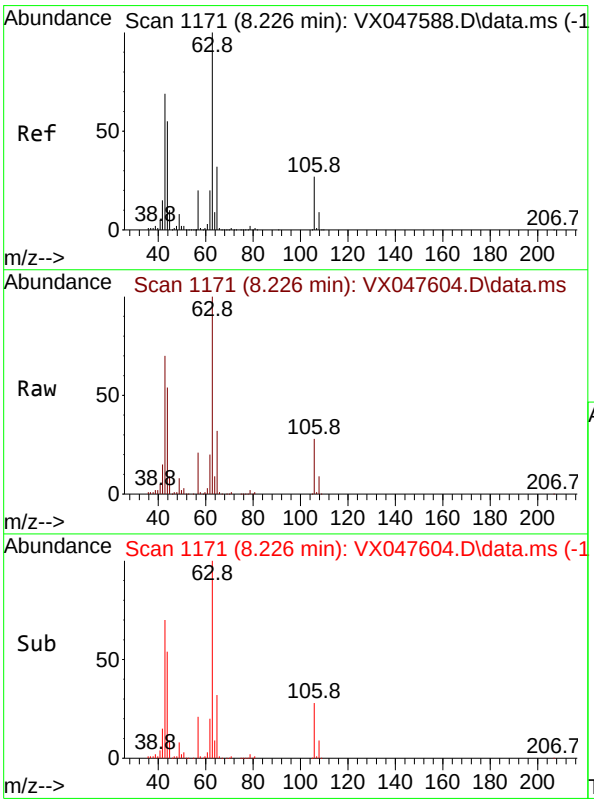
#57
1,3-Dichloropropane
Concen: 17.818 ug/l
RT: 9.293 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047604.D
Acq: 17 Sep 2025 10:09

Instrument :
MSVOA_X
ClientSampleId :
VX0917WBS01

Tgt Ion: 76 Resp: 76049

Ion	Ratio	Lower	Upper
76	100		
78	32.6	26.2	39.4

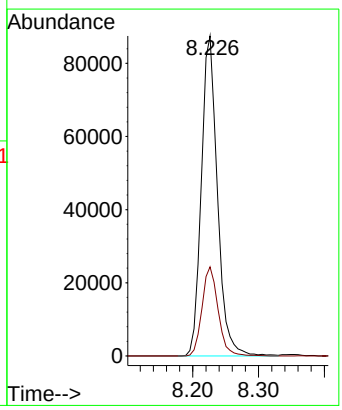


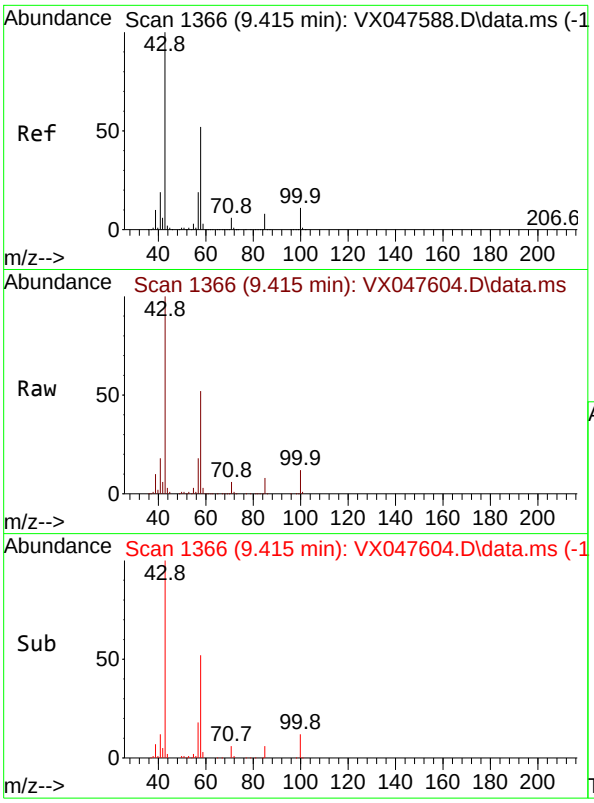


#58
2-Chloroethyl Vinyl ether
Concen: 87.394 ug/l
RT: 8.226 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VX047604.D
Acq: 17 Sep 2025 10:09

Tgt Ion: 63 Resp: 149215

Ion	Ratio	Lower	Upper
63	100		
106	27.8	21.9	32.9



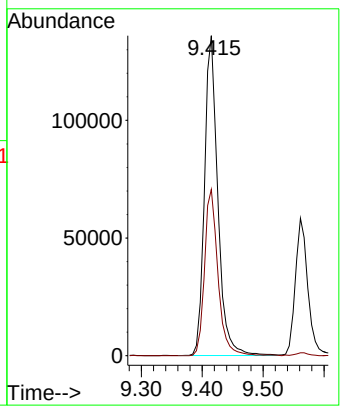


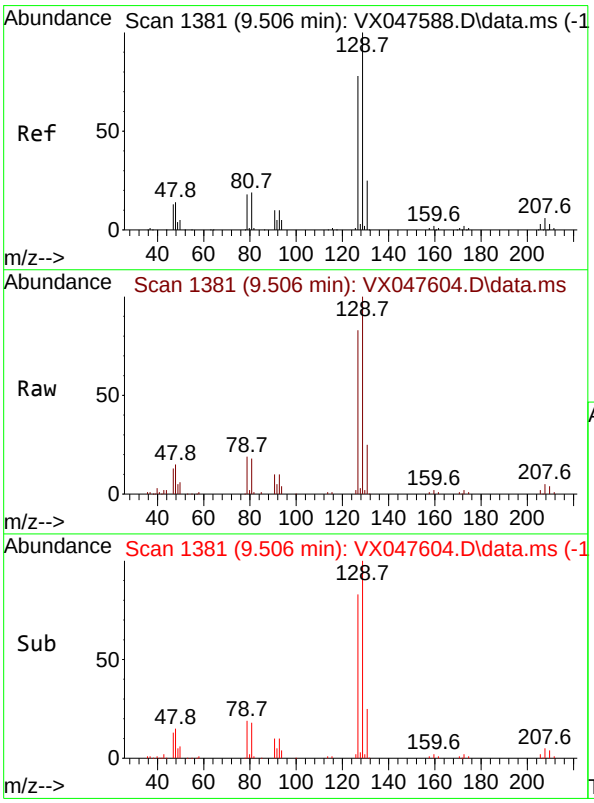
#59
2-Hexanone
Concen: 85.844 ug/l
RT: 9.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047604.D
Acq: 17 Sep 2025 10:09

Instrument :
MSVOA_X
ClientSampleId :
VX0917WBS01

Tgt Ion: 43 Resp: 206700

Ion	Ratio	Lower	Upper
43	100		
58	52.5	26.1	78.2

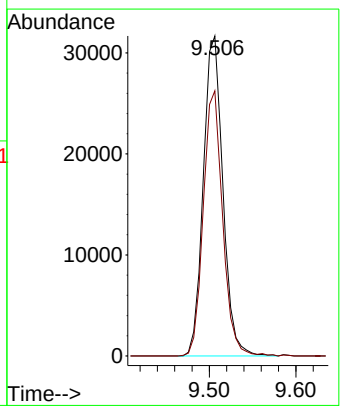


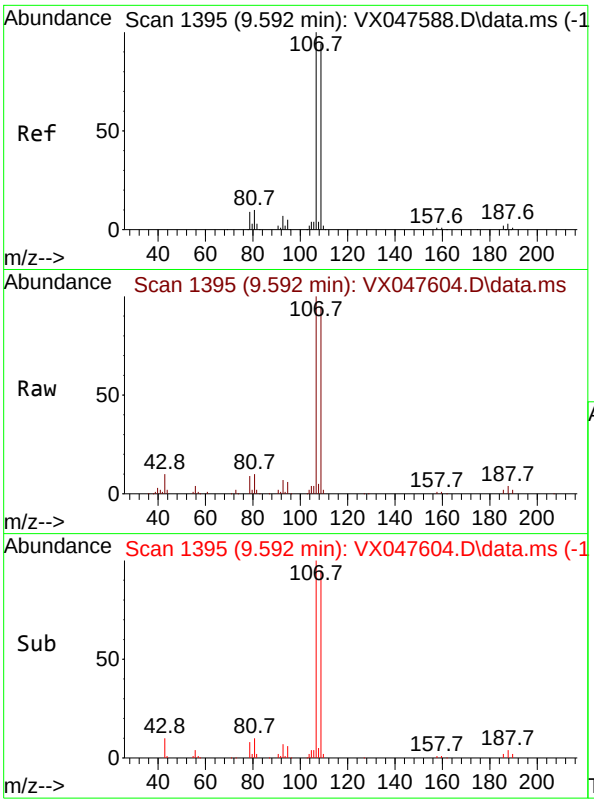


#60
Dibromochloromethane
Concen: 17.356 ug/l
RT: 9.506 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VX047604.D
Acq: 17 Sep 2025 10:09

Tgt Ion:129 Resp: 49688

Ion	Ratio	Lower	Upper
129	100		
127	82.0	38.4	115.2



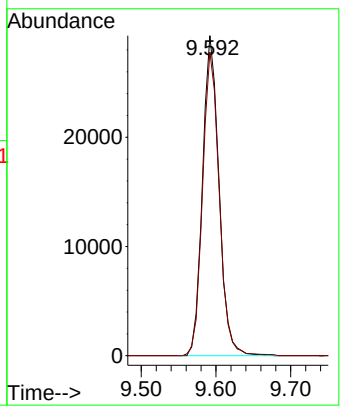


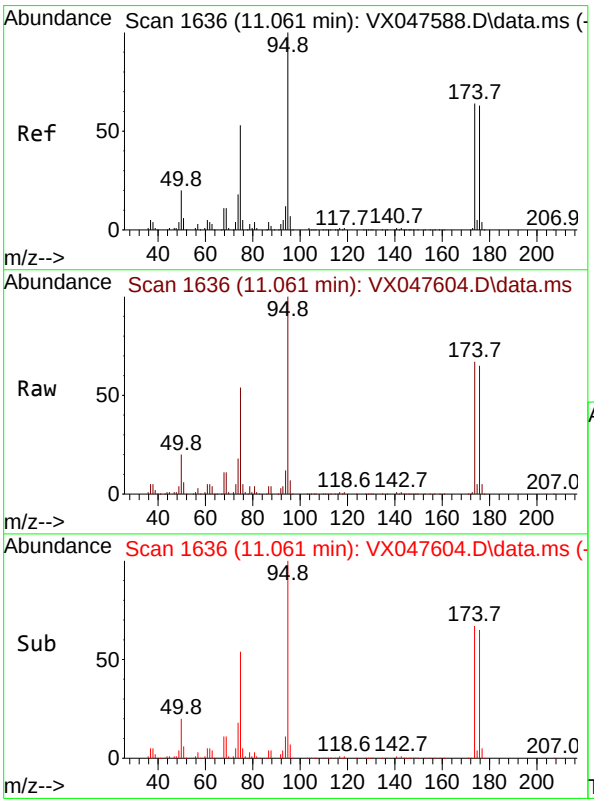
#61
1,2-Dibromoethane
Concen: 17.748 ug/l
RT: 9.592 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047604.D
Acq: 17 Sep 2025 10:09

Instrument :
MSVOA_X
ClientSampleId :
VX0917WBS01

Tgt Ion:107 Resp: 44915

Ion	Ratio	Lower	Upper
107	100		
109	95.7	75.3	112.9

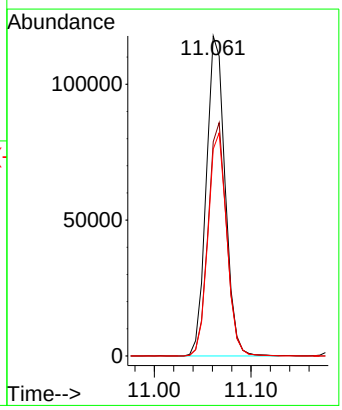


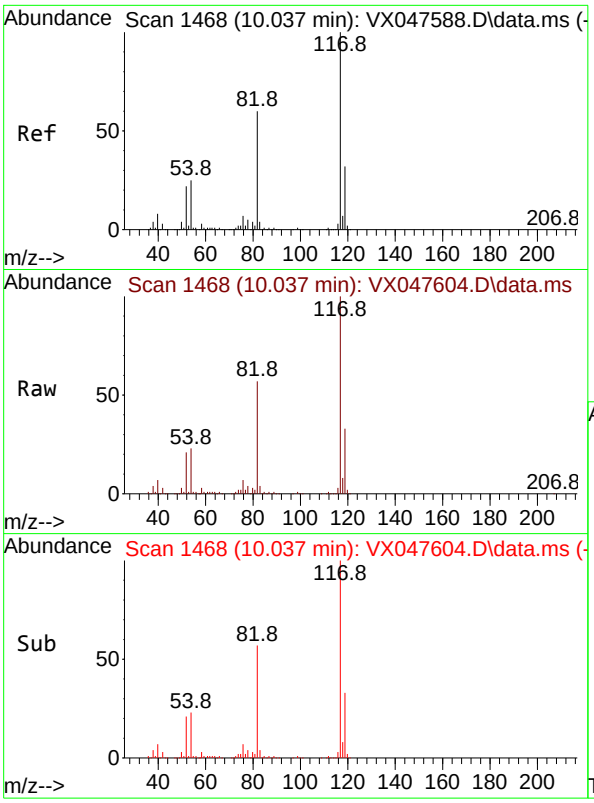


#62
4-Bromofluorobenzene
Concen: 51.358 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX047604.D
Acq: 17 Sep 2025 10:09

Tgt Ion: 95 Resp: 158932

Ion	Ratio	Lower	Upper
95	100		
174	72.1	0.0	141.6
176	69.6	0.0	138.4



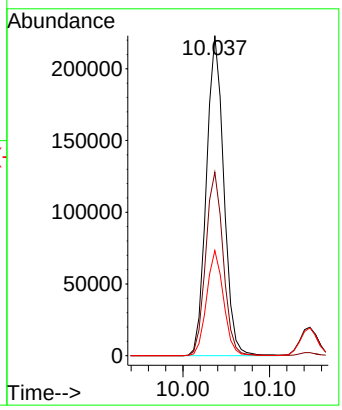


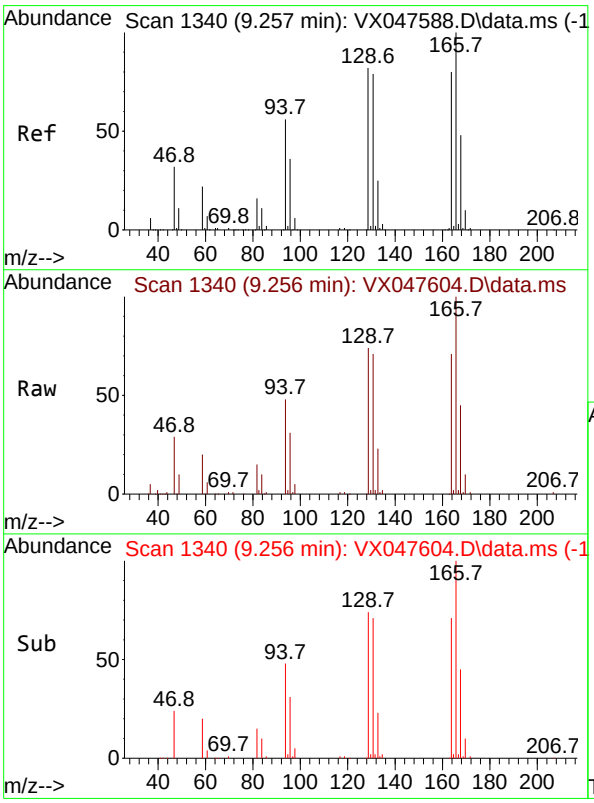
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047604.D
Acq: 17 Sep 2025 10:09

Instrument :
MSVOA_X
ClientSampleId :
VX0917WBS01

Tgt Ion:117 Resp: 311445

Ion	Ratio	Lower	Upper
117	100		
82	57.4	47.8	71.6
119	32.9	25.2	37.8

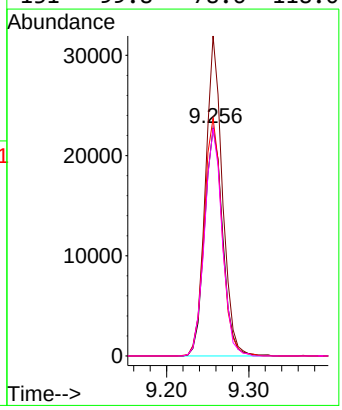


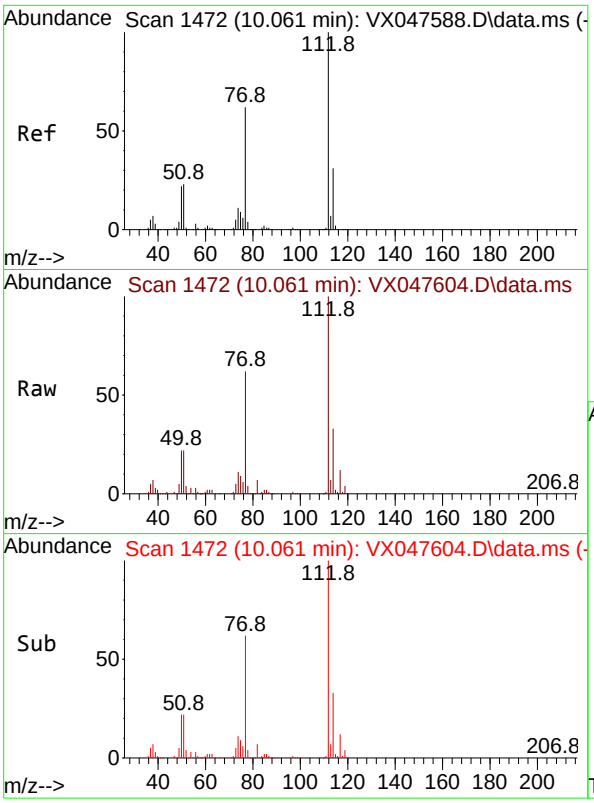


#64
Tetrachloroethene
Concen: 17.139 ug/l
RT: 9.256 min Scan# 1340
Delta R.T. -0.000 min
Lab File: VX047604.D
Acq: 17 Sep 2025 10:09

Tgt Ion:164 Resp: 34798

Ion	Ratio	Lower	Upper
164	100		
166	140.6	100.2	150.2
129	104.4	81.8	122.6
131	99.8	78.6	118.0



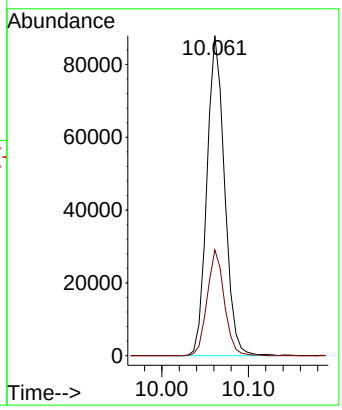


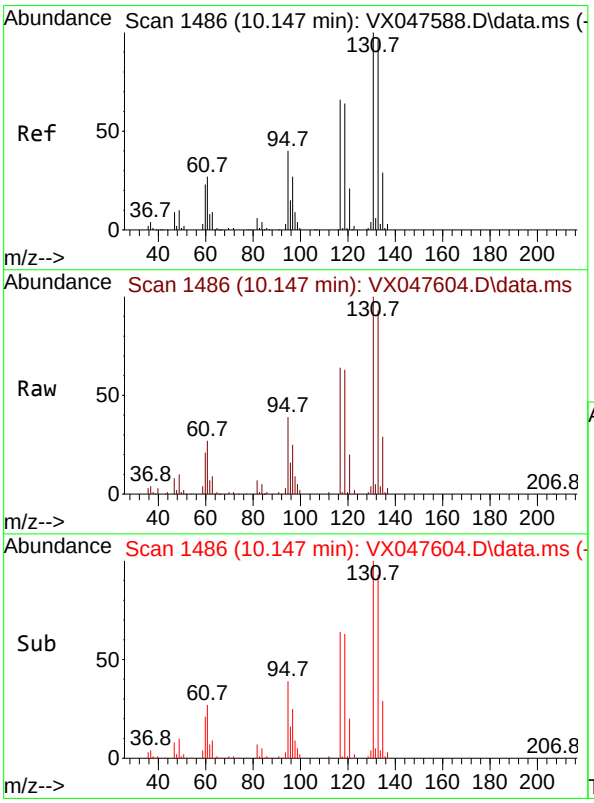
#65
Chlorobenzene
Concen: 17.543 ug/l
RT: 10.061 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047604.D
Acq: 17 Sep 2025 10:09

Instrument :
MSVOA_X
ClientSampleId :
VX0917WBS01

Tgt Ion:112 Resp: 124126

Ion	Ratio	Lower	Upper
112	100		
114	33.1	25.1	37.7

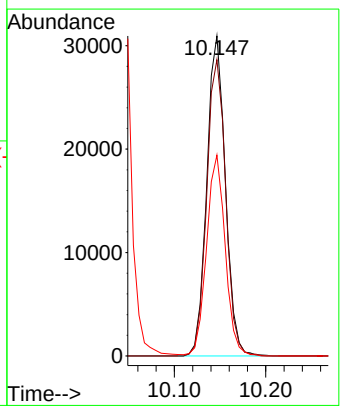


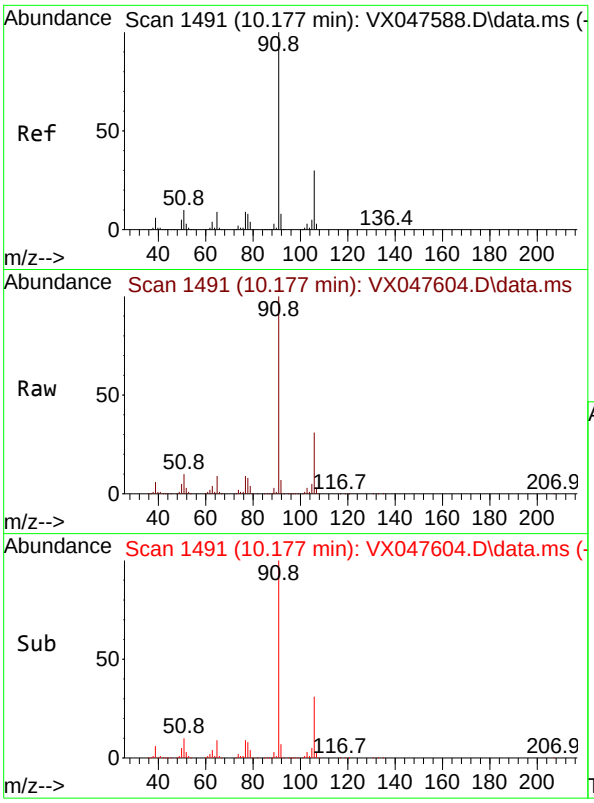


#66
1,1,1,2-Tetrachloroethane
Concen: 17.874 ug/l
RT: 10.147 min Scan# 1486
Delta R.T. -0.000 min
Lab File: VX047604.D
Acq: 17 Sep 2025 10:09

Tgt Ion:131 Resp: 43641

Ion	Ratio	Lower	Upper
131	100		
133	94.3	47.3	142.0
119	63.1	32.0	96.0



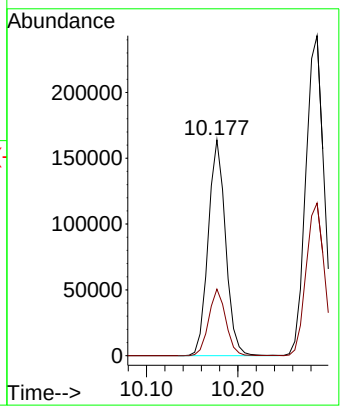


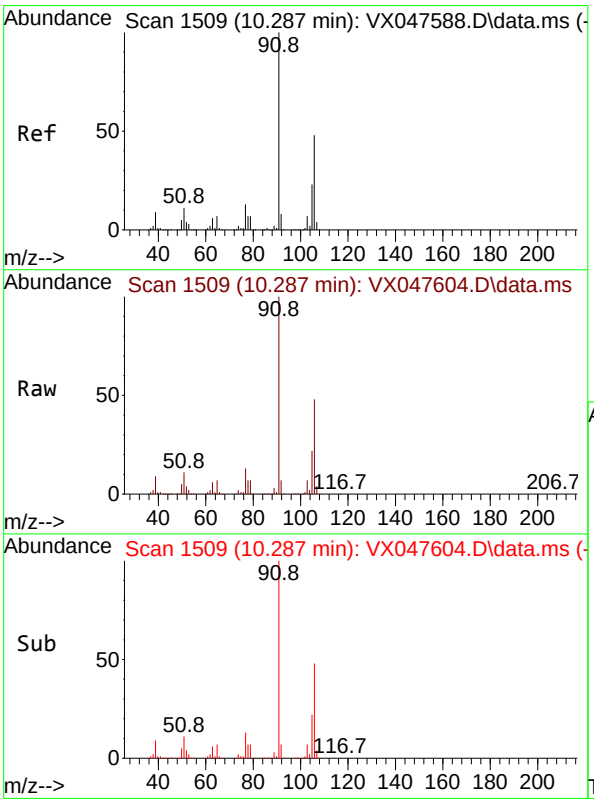
#67
Ethyl Benzene
Concen: 17.686 ug/l
RT: 10.177 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047604.D
Acq: 17 Sep 2025 10:09

Instrument :
MSVOA_X
ClientSampleId :
VX0917WBS01

Tgt Ion: 91 Resp: 215918

Ion	Ratio	Lower	Upper
91	100		
106	30.9	24.3	36.5

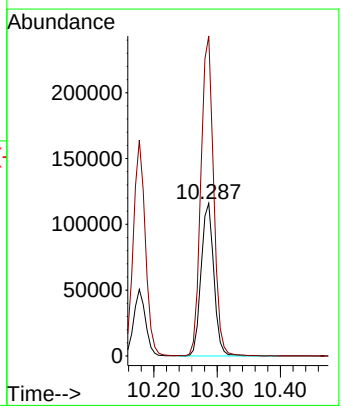


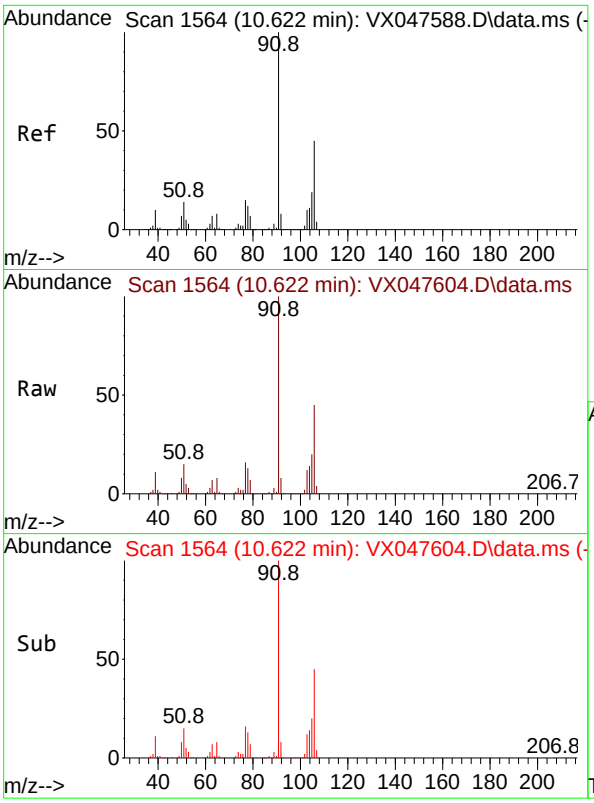


#68
m/p-Xylenes
Concen: 35.810 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VX047604.D
Acq: 17 Sep 2025 10:09

Tgt Ion:106 Resp: 162720

Ion	Ratio	Lower	Upper
106	100		
91	209.7	167.8	251.8



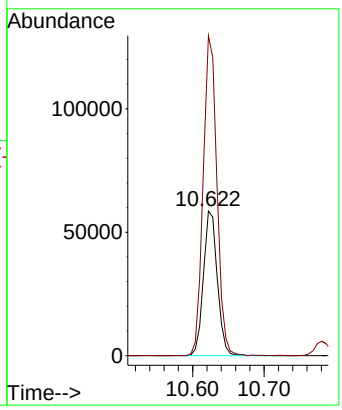


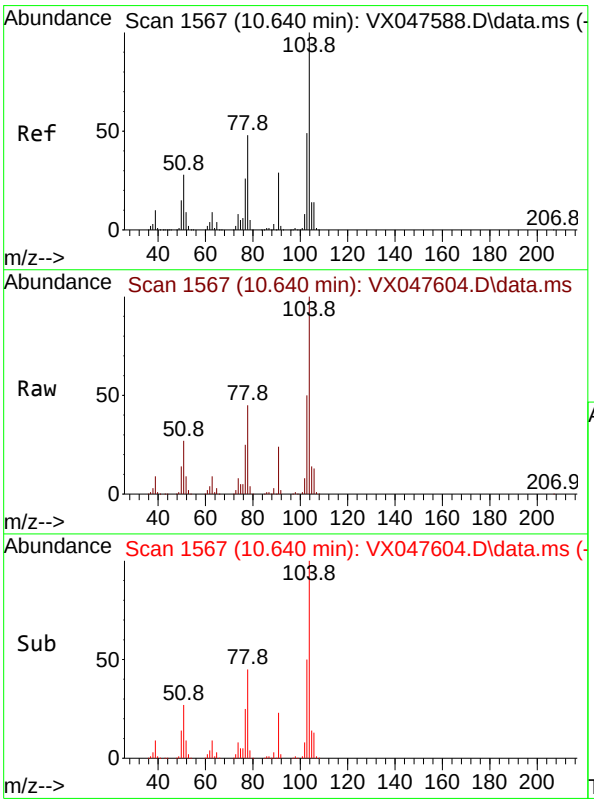
#69
o-Xylene
Concen: 18.001 ug/l
RT: 10.622 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047604.D
Acq: 17 Sep 2025 10:09

Instrument :
MSVOA_X
ClientSampleId :
VX0917WBS01

Tgt Ion:106 Resp: 79115

Ion	Ratio	Lower	Upper
106	100		
91	219.6	111.1	333.4

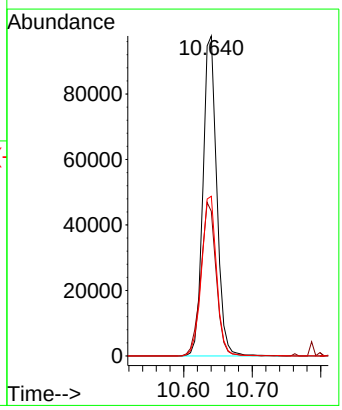


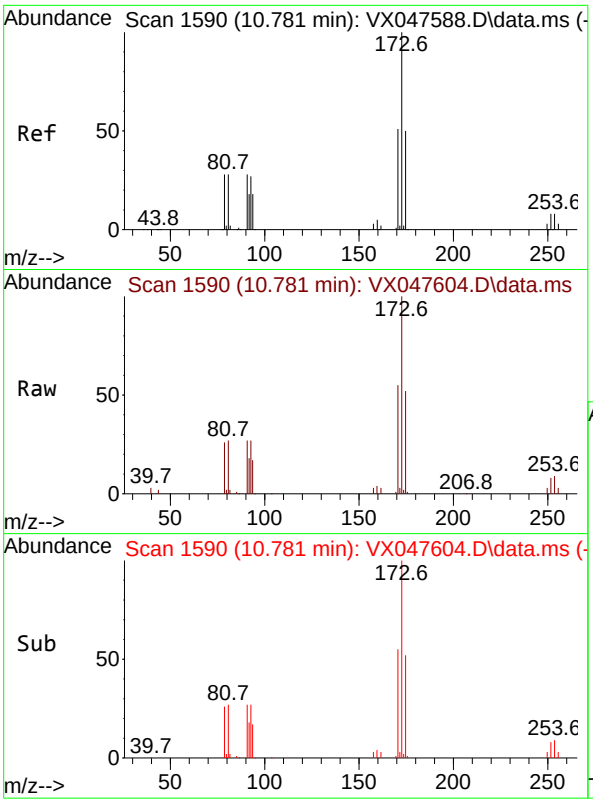


#70
Styrene
Concen: 17.863 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX047604.D
Acq: 17 Sep 2025 10:09

Tgt Ion:104 Resp: 137562

Ion	Ratio	Lower	Upper
104	100		
78	53.1	43.1	64.7
103	54.3	43.1	64.7



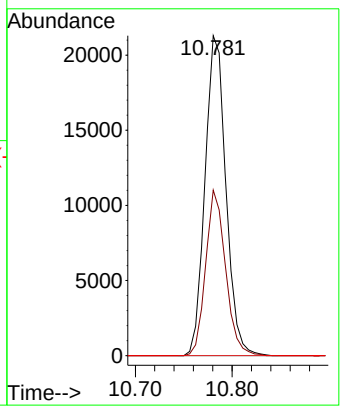


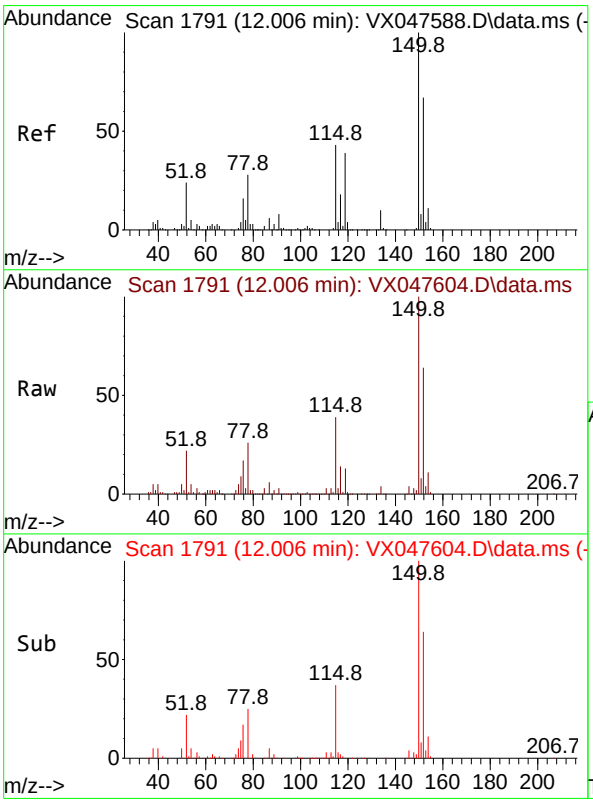
#71
Bromoform
Concen: 17.551 ug/l
RT: 10.781 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047604.D
Acq: 17 Sep 2025 10:09

Instrument :
MSVOA_X
ClientSampleId :
VX0917WBS01

Tgt Ion:173 Resp: 31997

Ion	Ratio	Lower	Upper
173	100		
175	49.3	24.9	74.6
254	0.0	0.1	0.1#

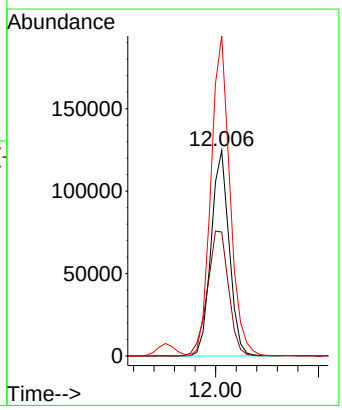


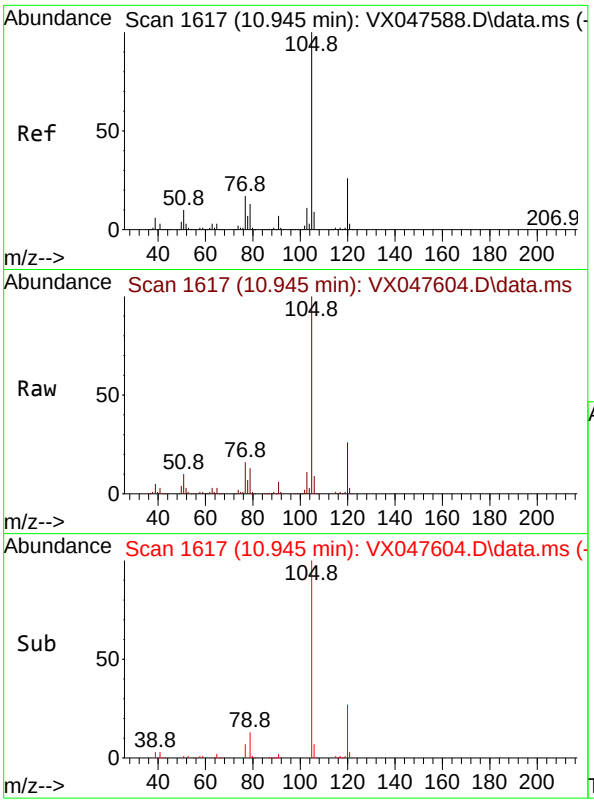


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047604.D
Acq: 17 Sep 2025 10:09

Tgt Ion:152 Resp: 151595

Ion	Ratio	Lower	Upper
152	100		
115	71.4	44.9	134.5
150	163.4	0.0	352.0



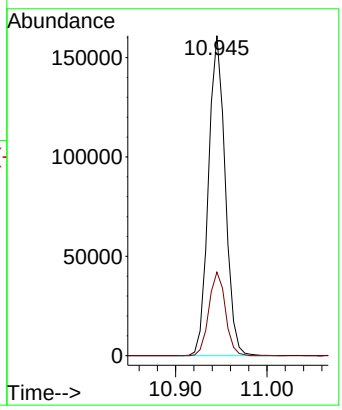


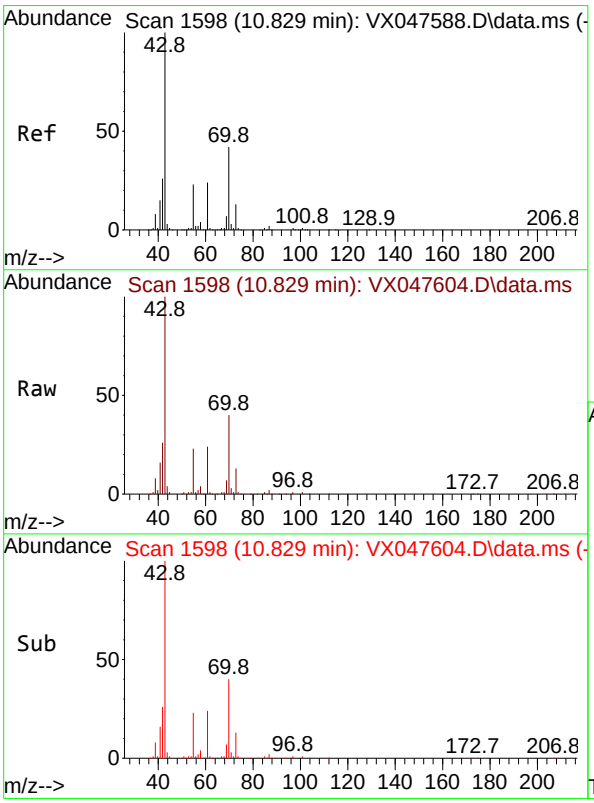
#73
Isopropylbenzene
Concen: 17.719 ug/l
RT: 10.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047604.D
Acq: 17 Sep 2025 10:09

Instrument :
MSVOA_X
ClientSampleId :
VX0917WBS01

Tgt Ion:105 Resp: 204217

Ion	Ratio	Lower	Upper
105	100		
120	25.8	12.8	38.4

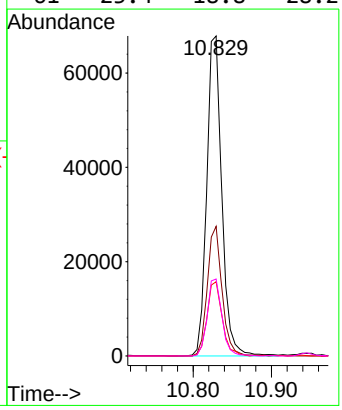


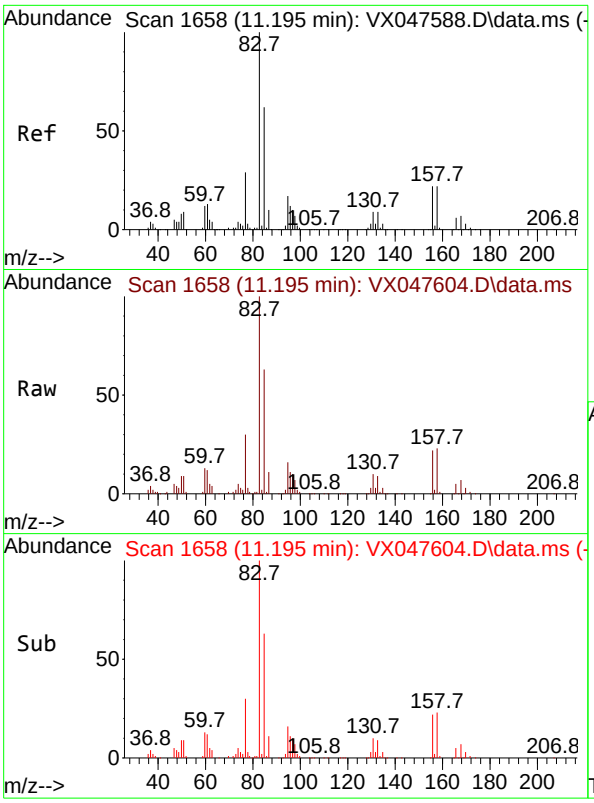


#74
N-amyl acetate
Concen: 17.190 ug/l
RT: 10.829 min Scan# 1598
Delta R.T. -0.000 min
Lab File: VX047604.D
Acq: 17 Sep 2025 10:09

Tgt Ion: 43 Resp: 90344

Ion	Ratio	Lower	Upper
43	100		
70	39.7	32.0	48.0
55	23.3	18.9	28.3
61	23.4	18.8	28.2



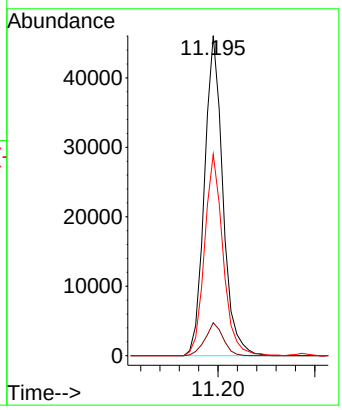


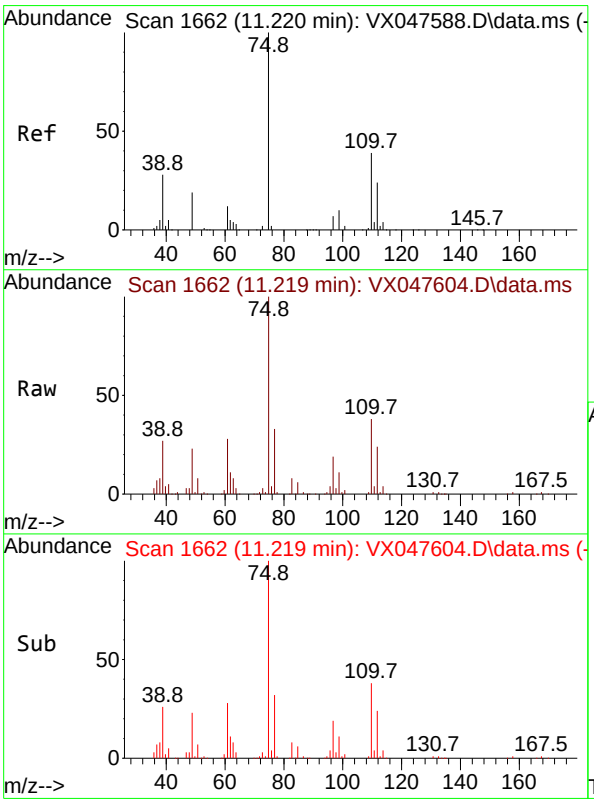
#75
1,1,2,2-Tetrachloroethane
Concen: 17.476 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047604.D
Acq: 17 Sep 2025 10:09

Instrument :
MSVOA_X
ClientSampleId :
VX0917WBS01

Tgt Ion: 83 Resp: 60939

Ion	Ratio	Lower	Upper
83	100		
131	10.0	5.0	14.9
85	63.4	31.6	95.0

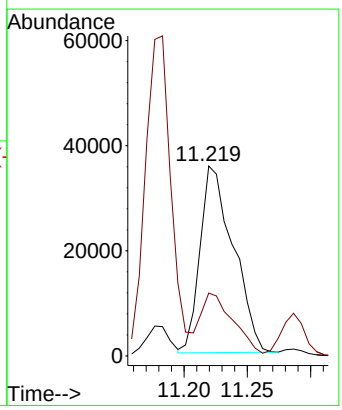


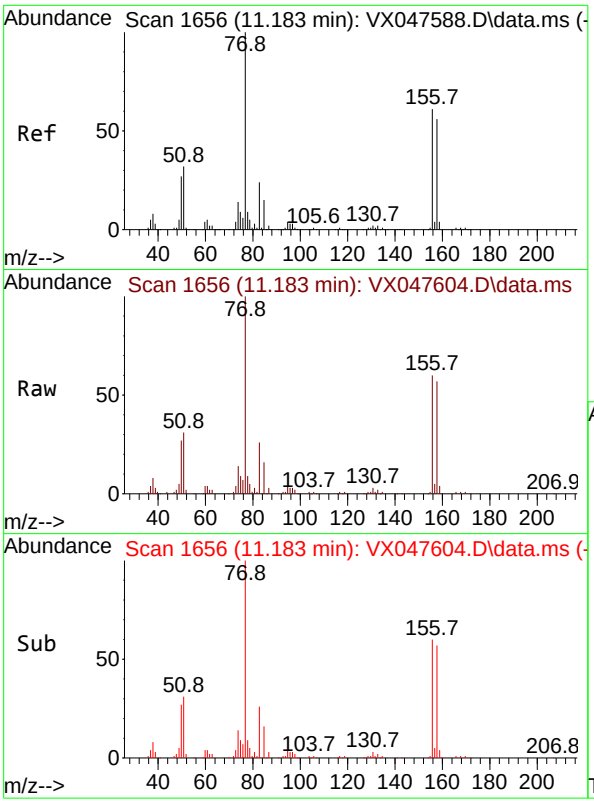


#76
1,2,3-Trichloropropane
Concen: 21.243 ug/l
RT: 11.219 min Scan# 1662
Delta R.T. -0.000 min
Lab File: VX047604.D
Acq: 17 Sep 2025 10:09

Tgt Ion: 75 Resp: 65203

Ion	Ratio	Lower	Upper
75	100		
77	32.5	18.8	56.4



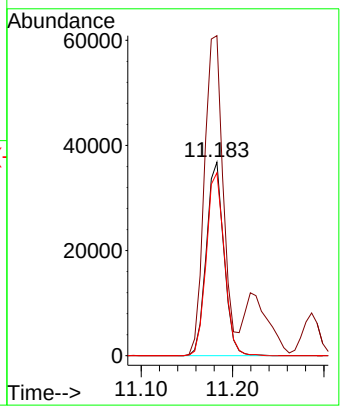


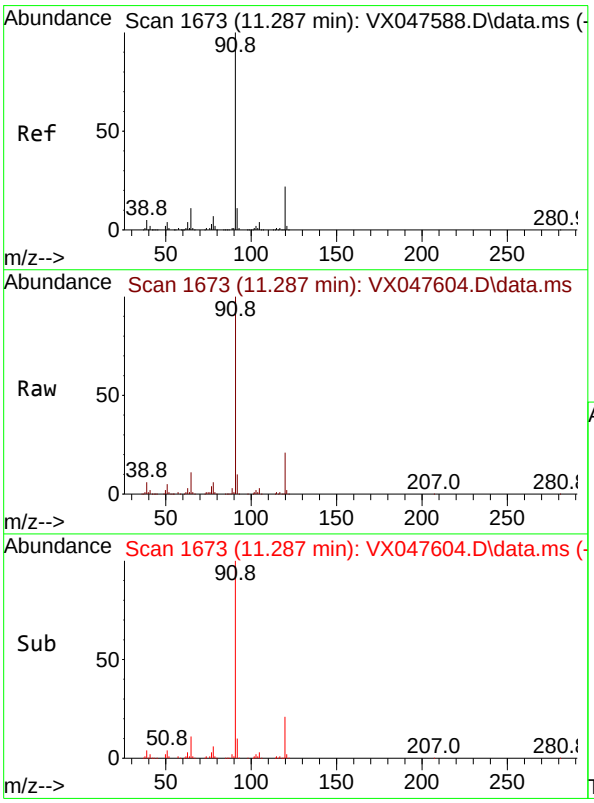
#77
Bromobenzene
Concen: 17.292 ug/l
RT: 11.183 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047604.D
Acq: 17 Sep 2025 10:09

Instrument :
MSVOA_X
ClientSampleId :
VX0917WBS01

Tgt Ion:156 Resp: 49084

Ion	Ratio	Lower	Upper
156	100		
77	177.6	89.7	269.1
158	97.2	47.9	143.6

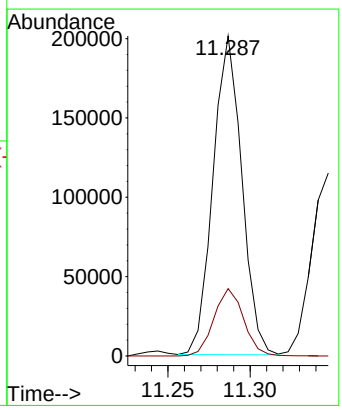


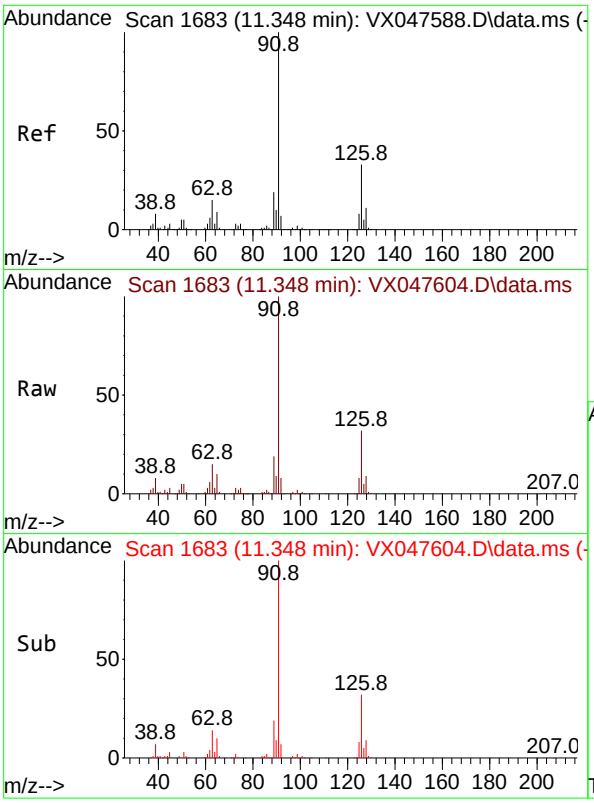


#78
n-propylbenzene
Concen: 17.941 ug/l
RT: 11.287 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX047604.D
Acq: 17 Sep 2025 10:09

Tgt Ion: 91 Resp: 244439

Ion	Ratio	Lower	Upper
91	100		
120	21.8	11.1	33.1



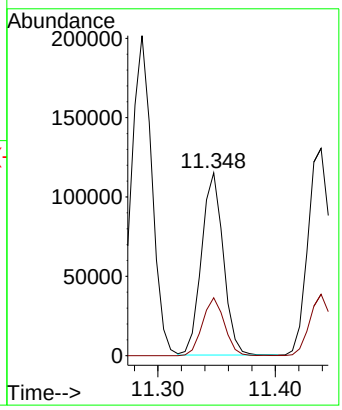


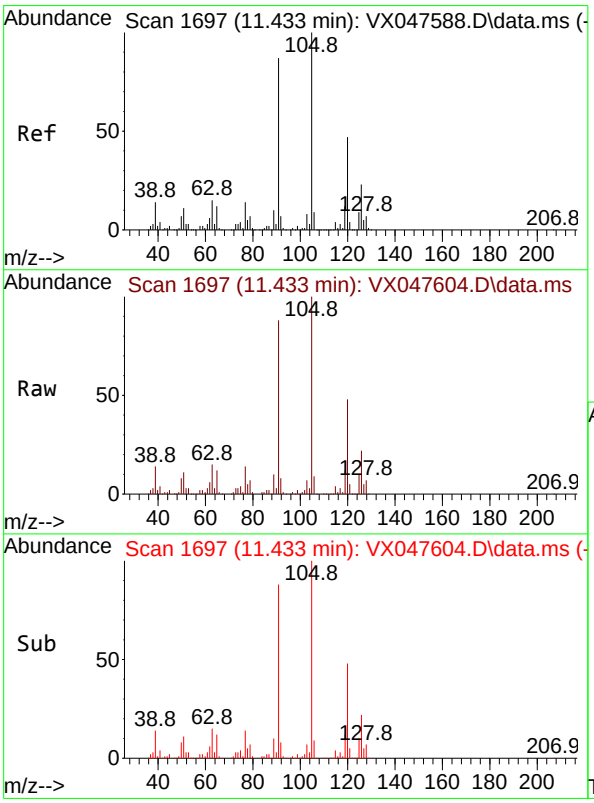
#79
2-Chlorotoluene
Concen: 17.727 ug/l
RT: 11.348 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047604.D
Acq: 17 Sep 2025 10:09

Instrument :
MSVOA_X
ClientSampleId :
VX0917WBS01

Tgt Ion: 91 Resp: 147920

Ion	Ratio	Lower	Upper
91	100		
126	32.1	16.1	48.3

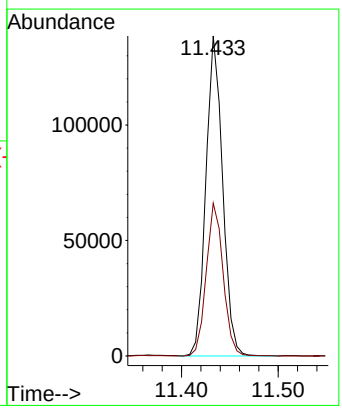


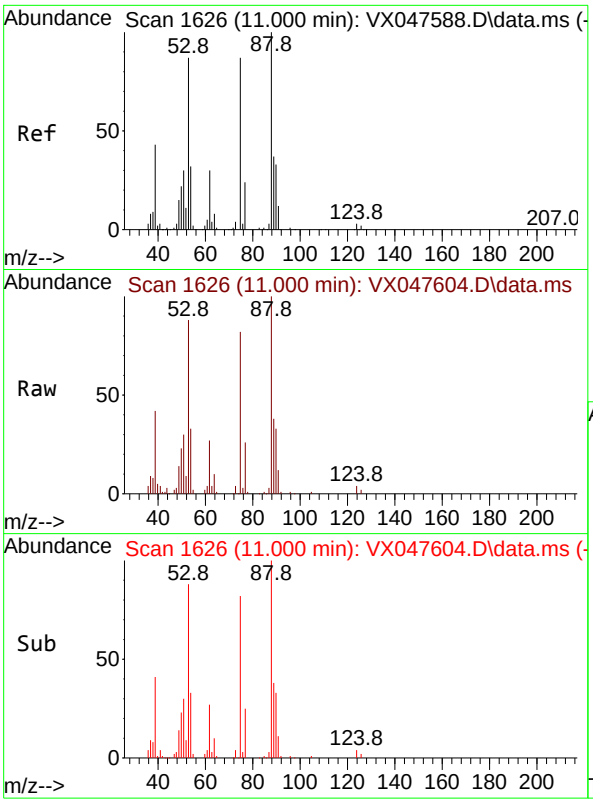


#80
1,3,5-Trimethylbenzene
Concen: 17.556 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX047604.D
Acq: 17 Sep 2025 10:09

Tgt Ion:105 Resp: 166236

Ion	Ratio	Lower	Upper
105	100		
120	48.3	23.6	70.8



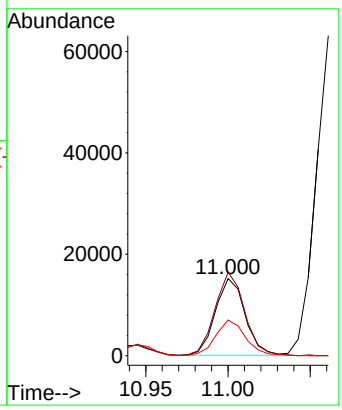


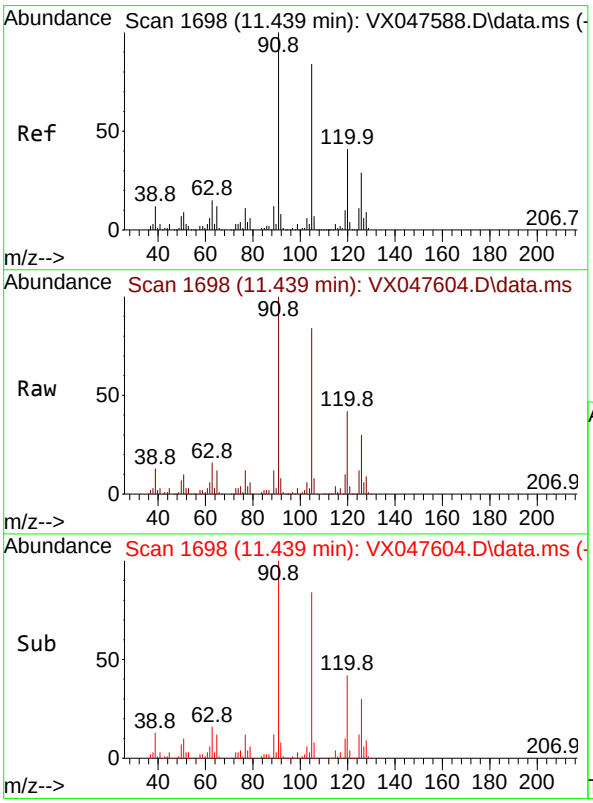
#81
trans-1,4-Dichloro-2-butene
Concen: 15.726 ug/l
RT: 11.000 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047604.D
Acq: 17 Sep 2025 10:09

Instrument :
MSVOA_X
ClientSampleId :
VX0917WBS01

Tgt Ion: 75 Resp: 18928

Ion	Ratio	Lower	Upper
75	100		
53	109.6	83.4	125.2
89	46.9	36.3	54.5

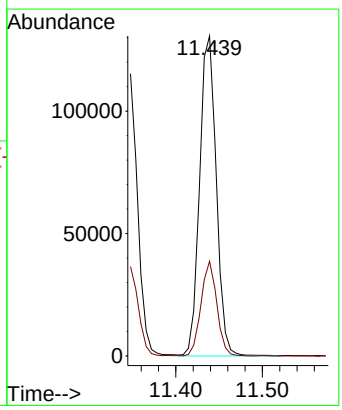


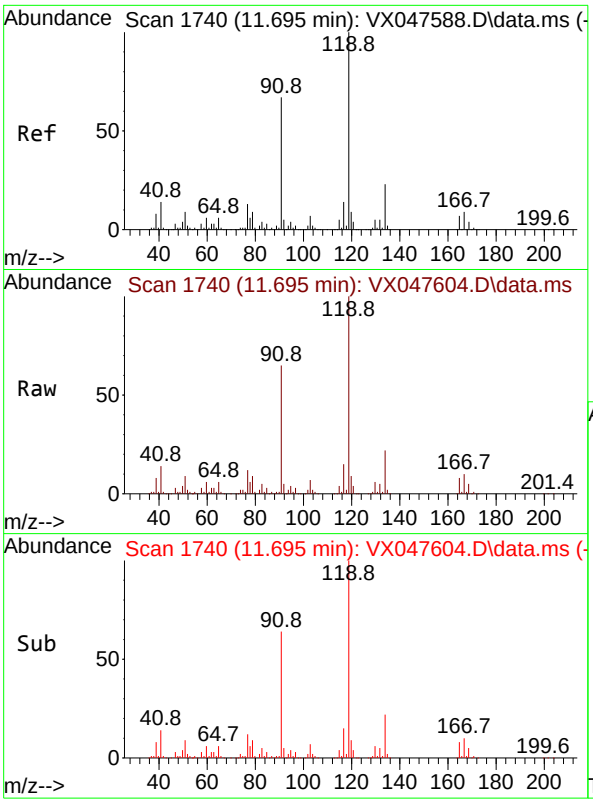


#82
4-Chlorotoluene
Concen: 17.716 ug/l
RT: 11.439 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VX047604.D
Acq: 17 Sep 2025 10:09

Tgt Ion: 91 Resp: 174598

Ion	Ratio	Lower	Upper
91	100		
126	28.1	14.2	42.6



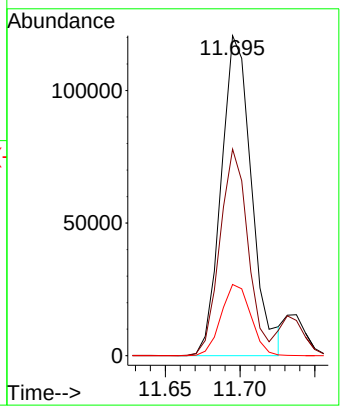


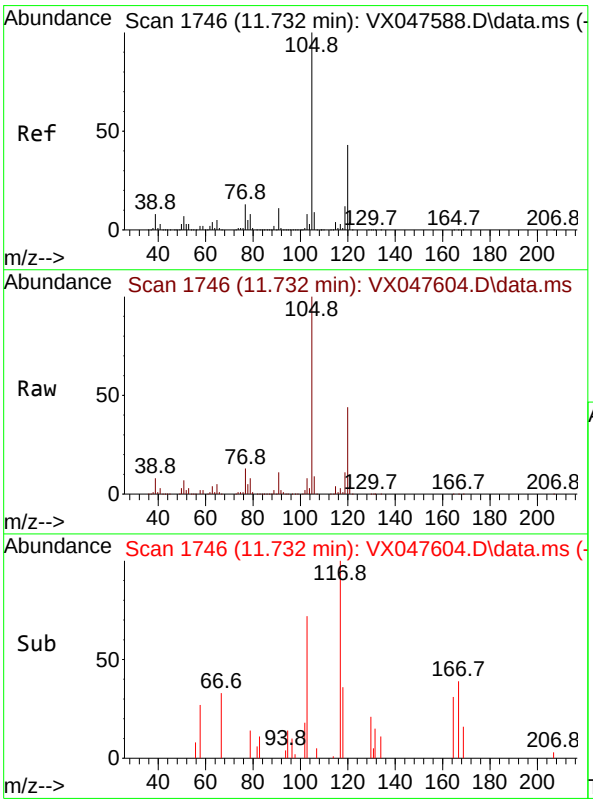
#83
tert-Butylbenzene
Concen: 17.582 ug/l
RT: 11.695 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047604.D
Acq: 17 Sep 2025 10:09

Instrument :
MSVOA_X
ClientSampleId :
VX0917WBS01

Tgt Ion:119 Resp: 170426

Ion	Ratio	Lower	Upper
119	100		
91	59.8	29.6	88.8
134	21.8	11.0	33.0

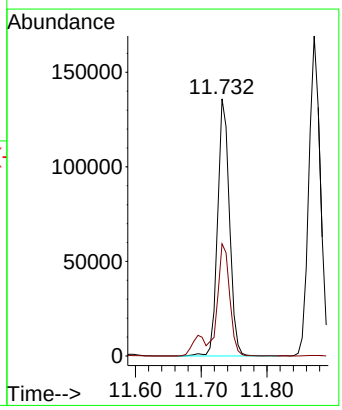


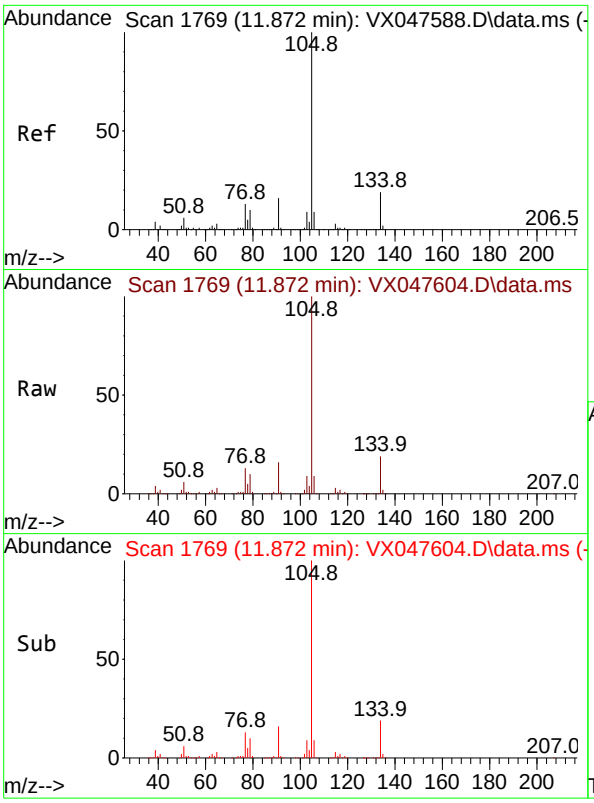


#84
1,2,4-Trimethylbenzene
Concen: 17.725 ug/l
RT: 11.732 min Scan# 1746
Delta R.T. -0.000 min
Lab File: VX047604.D
Acq: 17 Sep 2025 10:09

Tgt Ion:105 Resp: 170162

Ion	Ratio	Lower	Upper
105	100		
120	44.8	22.1	66.1



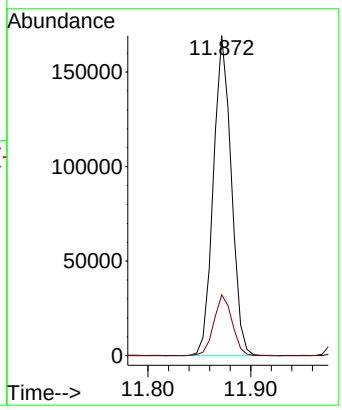


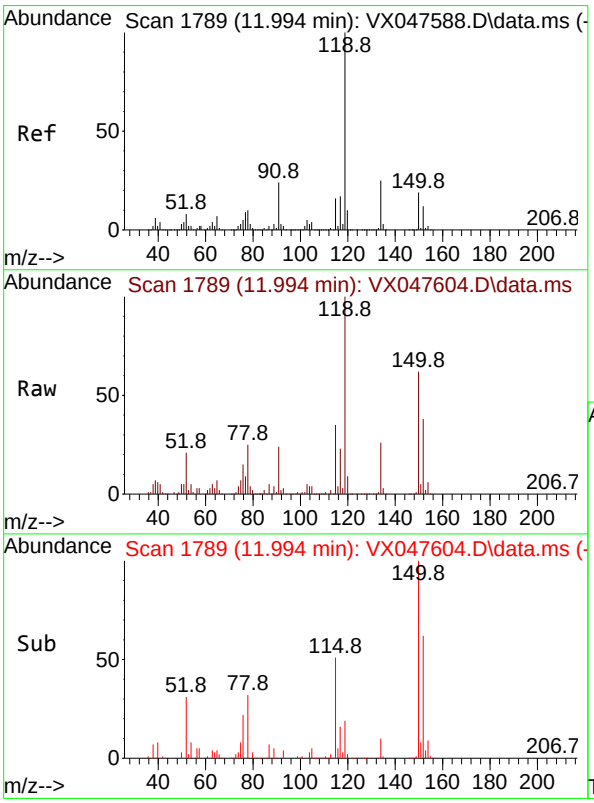
#85
sec-Butylbenzene
Concen: 17.833 ug/l
RT: 11.872 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047604.D
Acq: 17 Sep 2025 10:09

Instrument :
MSVOA_X
ClientSampleId :
VX0917WBS01

Tgt Ion:105 Resp: 205317

Ion	Ratio	Lower	Upper
105	100		
134	19.4	9.8	29.5

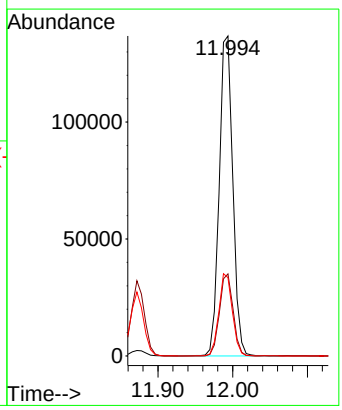


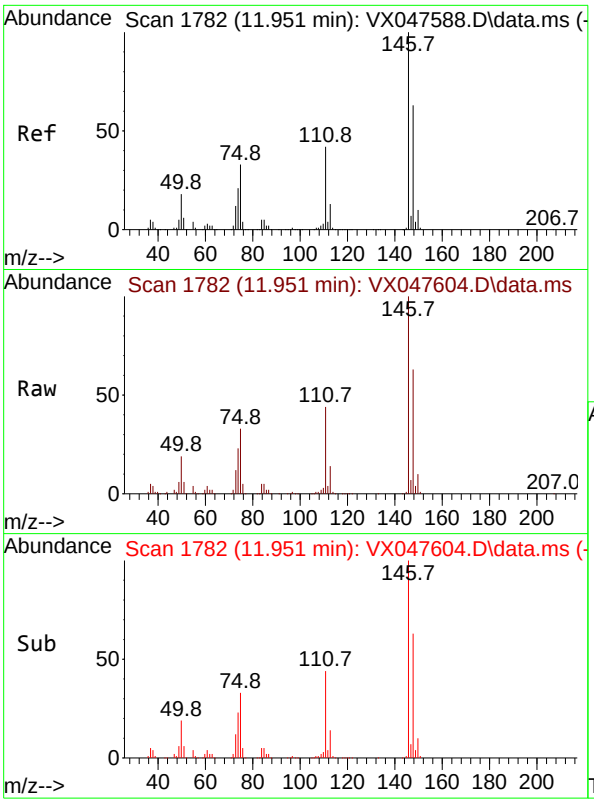


#86
p-Isopropyltoluene
Concen: 17.784 ug/l
RT: 11.994 min Scan# 1789
Delta R.T. -0.000 min
Lab File: VX047604.D
Acq: 17 Sep 2025 10:09

Tgt Ion:119 Resp: 173347

Ion	Ratio	Lower	Upper
119	100		
134	25.7	12.6	37.8
91	25.5	12.6	37.6



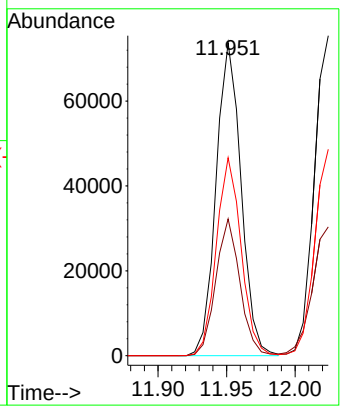


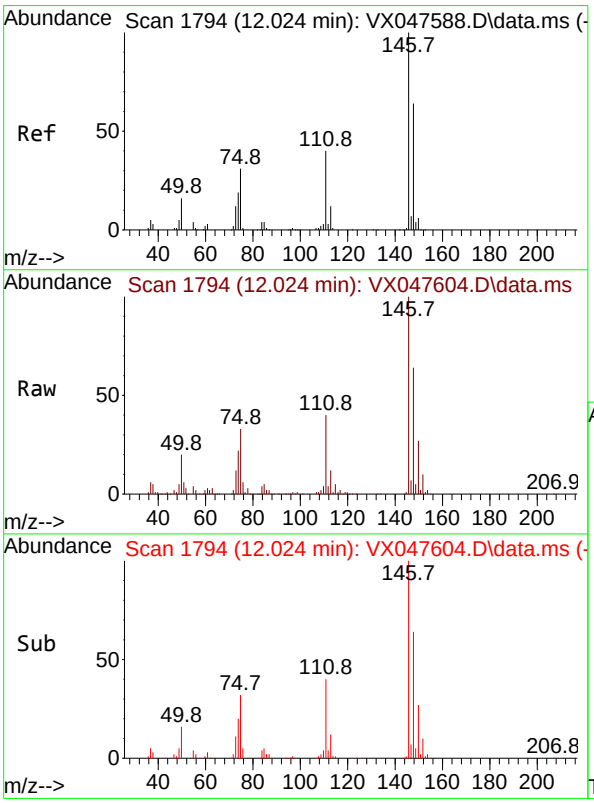
#87
1,3-Dichlorobenzene
Concen: 17.710 ug/l
RT: 11.951 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047604.D
Acq: 17 Sep 2025 10:09

Instrument :
MSVOA_X
ClientSampleId :
VX0917WBS01

Tgt Ion:146 Resp: 93375

Ion	Ratio	Lower	Upper
146	100		
111	42.4	21.5	64.5
148	62.8	32.0	96.0

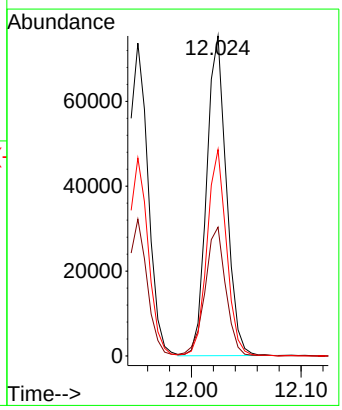


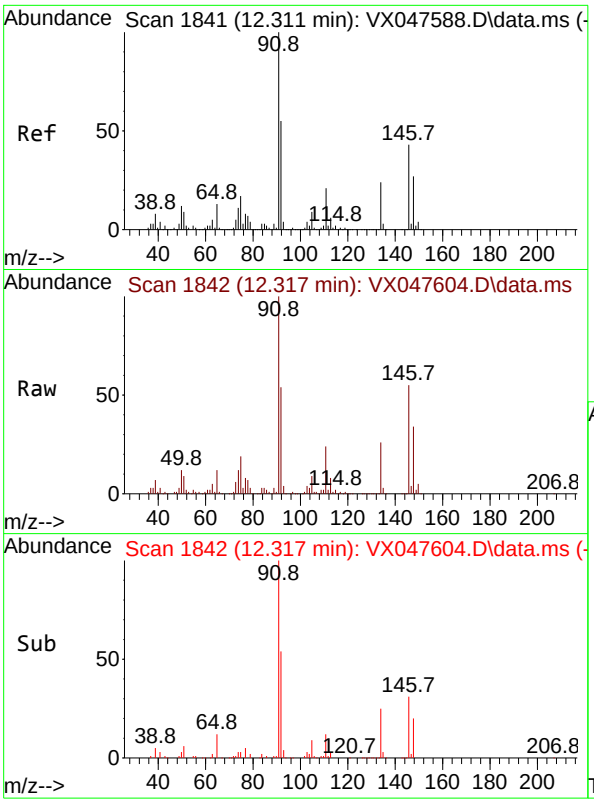


#88
1,4-Dichlorobenzene
Concen: 17.385 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX047604.D
Acq: 17 Sep 2025 10:09

Tgt Ion:146 Resp: 94074

Ion	Ratio	Lower	Upper
146	100		
111	42.3	20.8	62.4
148	63.9	31.7	95.1



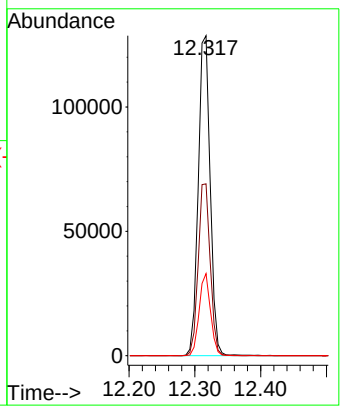


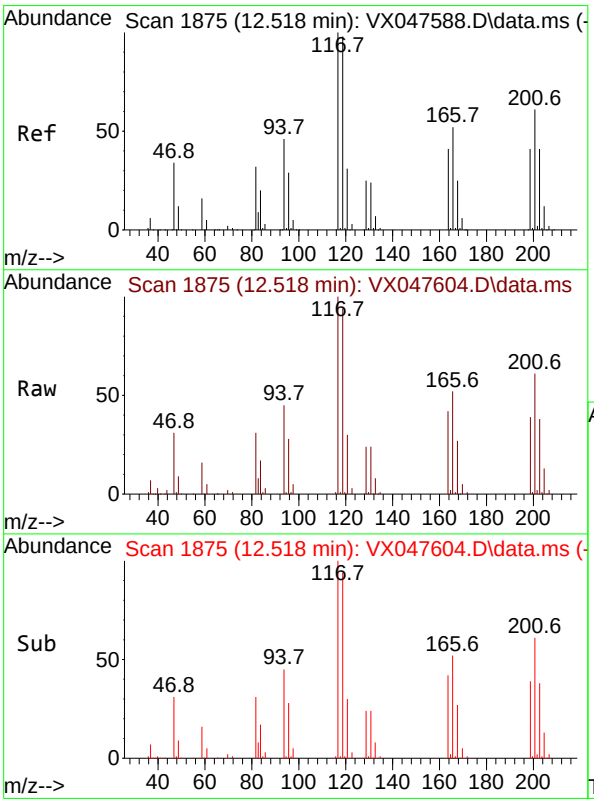
#89
n-Butylbenzene
Concen: 17.985 ug/l
RT: 12.317 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047604.D
Acq: 17 Sep 2025 10:09

Instrument :
MSVOA_X
ClientSampleId :
VX0917WBS01

Tgt Ion: 91 Resp: 162215

Ion	Ratio	Lower	Upper
91	100		
92	54.0	27.6	82.7
134	24.4	12.6	37.8

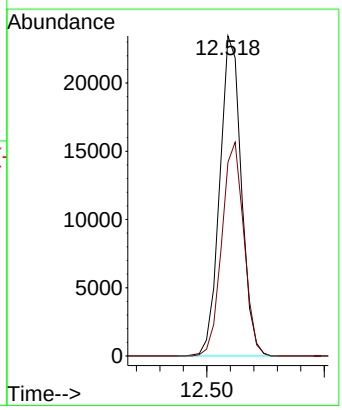


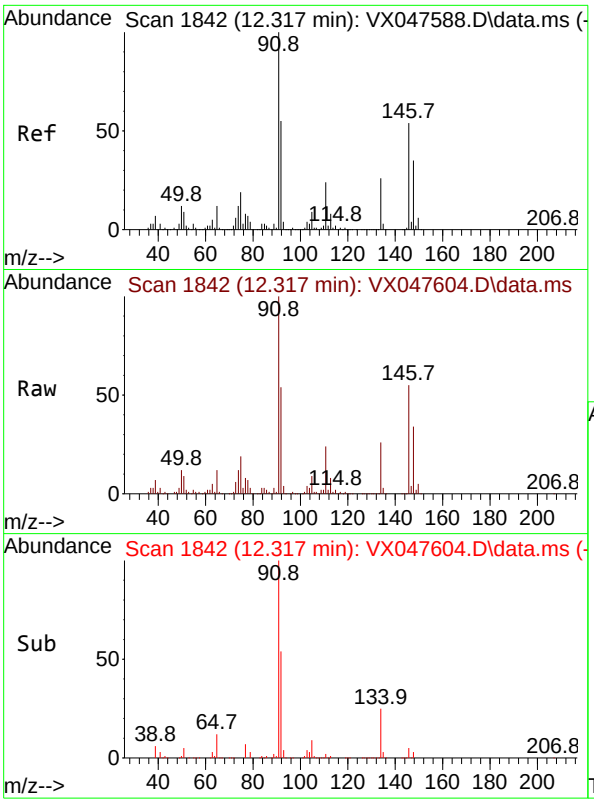


#90
Hexachloroethane
Concen: 17.476 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VX047604.D
Acq: 17 Sep 2025 10:09

Tgt Ion:117 Resp: 29907

Ion	Ratio	Lower	Upper
117	100		
201	68.2	34.2	102.5



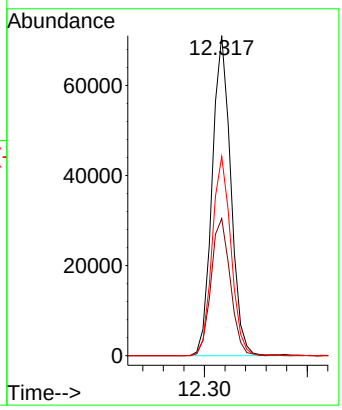


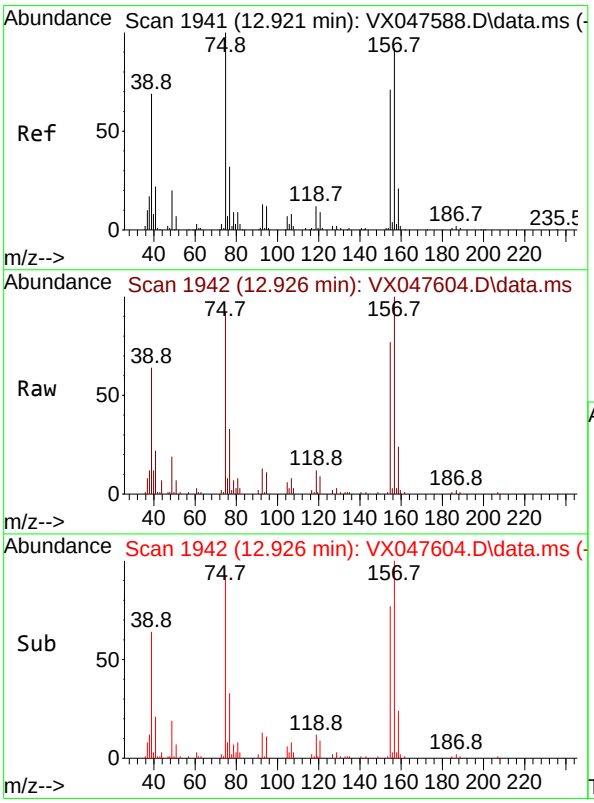
#91
1,2-Dichlorobenzene
Concen: 17.737 ug/l
RT: 12.317 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047604.D
Acq: 17 Sep 2025 10:09

Instrument :
MSVOA_X
ClientSampleId :
VX0917WBS01

Tgt Ion:146 Resp: 89095

Ion	Ratio	Lower	Upper
146	100		
111	44.4	22.2	66.6
148	63.0	31.8	95.4

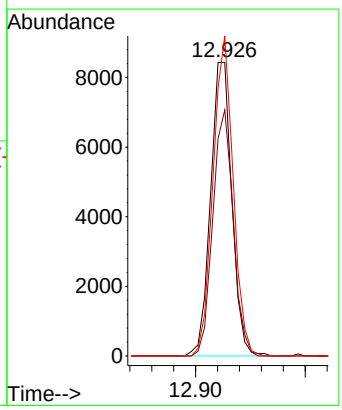


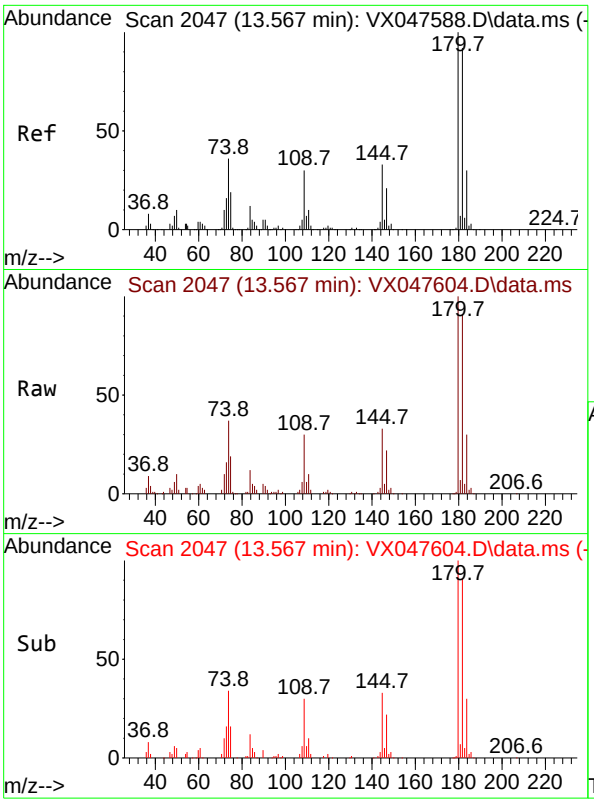


#92
1,2-Dibromo-3-Chloropropane
Concen: 16.110 ug/l
RT: 12.926 min Scan# 1942
Delta R.T. 0.006 min
Lab File: VX047604.D
Acq: 17 Sep 2025 10:09

Tgt Ion: 75 Resp: 11373

Ion	Ratio	Lower	Upper
75	100		
155	80.3	37.7	113.1
157	103.2	49.8	149.4



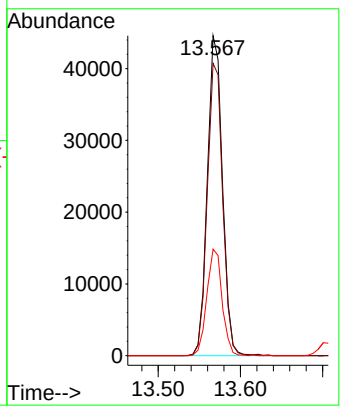


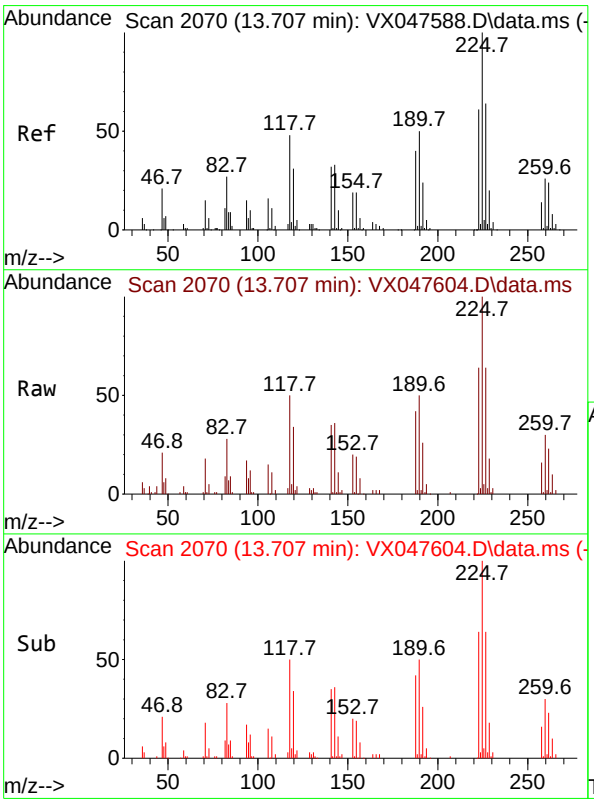
#93
1,2,4-Trichlorobenzene
Concen: 17.447 ug/l
RT: 13.567 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047604.D
Acq: 17 Sep 2025 10:09

Instrument :
MSVOA_X
ClientSampleId :
VX0917WBS01

Tgt Ion:180 Resp: 56956

Ion	Ratio	Lower	Upper
180	100		
182	93.0	46.6	139.8
145	33.7	16.4	49.1

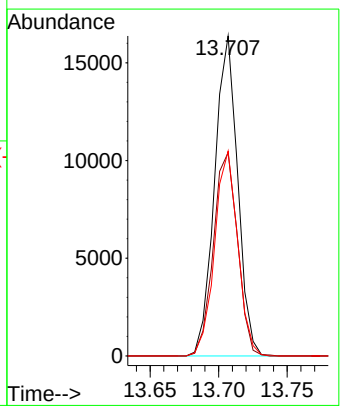


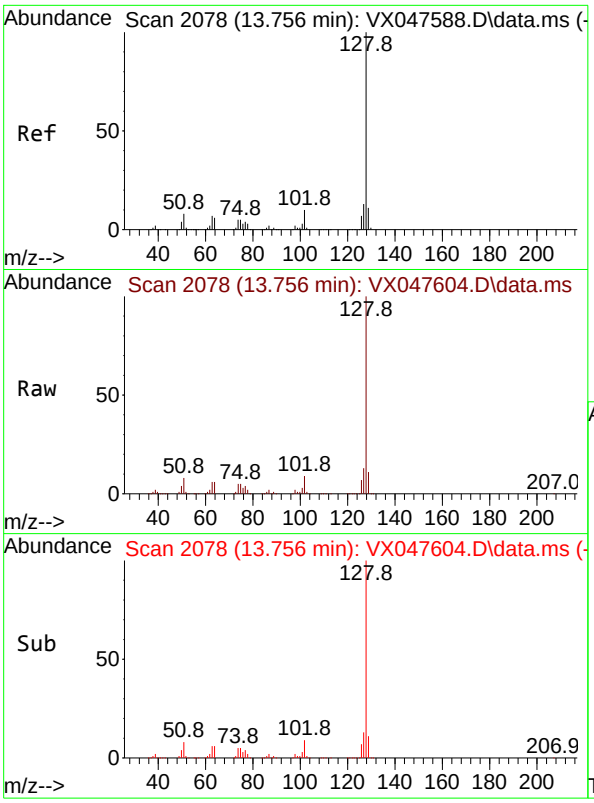


#94
Hexachlorobutadiene
Concen: 17.267 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. -0.000 min
Lab File: VX047604.D
Acq: 17 Sep 2025 10:09

Tgt Ion:225 Resp: 19147

Ion	Ratio	Lower	Upper
225	100		
223	66.6	31.7	95.1
227	64.2	32.0	96.0



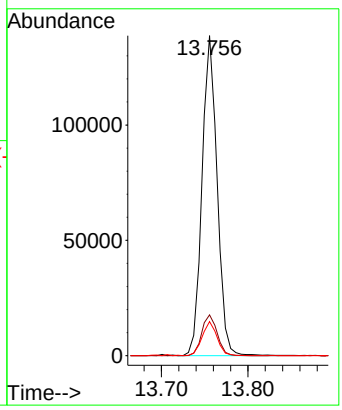


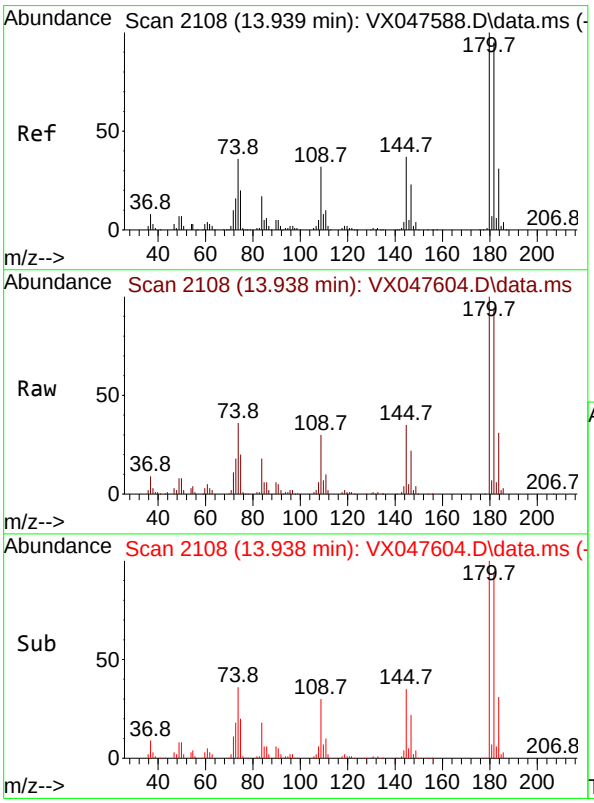
#95
Naphthalene
Concen: 16.896 ug/l
RT: 13.756 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047604.D
Acq: 17 Sep 2025 10:09

Instrument :
MSVOA_X
ClientSampleId :
VX0917WBS01

Tgt Ion:128 Resp: 167962

Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.2	15.2
129	10.6	8.8	13.2

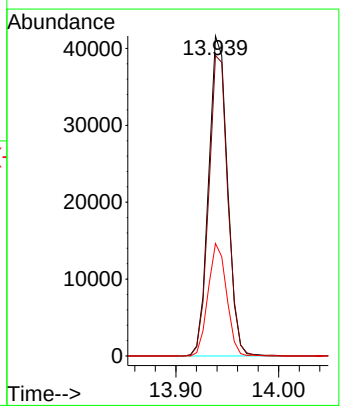




#96
1,2,3-Trichlorobenzene
Concen: 17.466 ug/l
RT: 13.938 min Scan# 2108
Delta R.T. -0.000 min
Lab File: VX047604.D
Acq: 17 Sep 2025 10:09

Tgt Ion:180 Resp: 53040

Ion	Ratio	Lower	Upper
180	100		
182	95.0	47.6	142.8
145	34.4	17.9	53.7



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091725\
Data File : VX047627.D
Acq On : 17 Sep 2025 18:19
Operator : JC/MD
Sample : Q3095-06MS
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MS

Quant Time: Sep 22 03:11:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	159553	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	295061	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	261981	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	124680	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	131950	51.955	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 103.920%			
35) Dibromofluoromethane	5.379	113	99040	50.050	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.100%			
50) Toluene-d8	8.635	98	339508	49.584	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 99.160%			
62) 4-Bromofluorobenzene	11.067	95	128944	49.620	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 99.240%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.173	85	73871	44.711	ug/l	98
3) Chloromethane	1.301	50	105255	48.472	ug/l	100
4) Vinyl Chloride	1.380	62	105172	49.479	ug/l	99
5) Bromomethane	1.618	94	68703	50.972	ug/l	98
6) Chloroethane	1.697	64	71546	50.361	ug/l	100
7) Trichlorofluoromethane	1.892	101	151188	47.904	ug/l	100
8) Diethyl Ether	2.136	74	69874	54.122	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.337	101	88943	48.196	ug/l	99
10) Methyl Iodide	2.459	142	142690	49.577	ug/l	99
11) Tert butyl alcohol	2.947	59	82858	292.937	ug/l	99
12) 1,1-Dichloroethene	2.325	96	97044	51.193	ug/l	98
13) Acrolein	2.240	56	98212	376.791	ug/l	99
14) Allyl chloride	2.666	41	197692	50.538	ug/l	97
15) Acrylonitrile	3.056	53	326837	311.955	ug/l	99
16) Acetone	2.374	43	266083	240.960	ug/l	97
17) Carbon Disulfide	2.520	76	241409	46.518	ug/l	99
18) Methyl Acetate	2.703	43	156175	63.550	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	383542	55.425	ug/l	98
20) Methylene Chloride	2.788	84	122976	52.612	ug/l	98
21) trans-1,2-Dichloroethene	3.093	96	105424	51.656	ug/l	97
22) Diisopropyl ether	3.751	45	412398	54.398	ug/l	86
23) Vinyl Acetate	3.715	43	1610114	265.368	ug/l	99
24) 1,1-Dichloroethane	3.605	63	238744	59.250	ug/l	99
25) 2-Butanone	4.544	43	405937	294.707	ug/l	100
26) 2,2-Dichloropropane	4.471	77	140962	42.085	ug/l	97
27) cis-1,2-Dichloroethene	4.483	96	139031	55.625	ug/l	97
28) Bromochloromethane	4.891	49	96857	55.060	ug/l	99
29) Tetrahydrofuran	4.989	42	256857	309.979	ug/l	99
30) Chloroform	5.087	83	221639	54.432	ug/l	96
31) Cyclohexane	5.458	56	156950	46.767	ug/l	99
32) 1,1,1-Trichloroethane	5.379	97	179641	52.013	ug/l	99
36) 1,1-Dichloropropene	5.684	75	137596	47.585	ug/l	99
37) Ethyl Acetate	4.696	43	162315	52.427	ug/l	98
38) Carbon Tetrachloride	5.672	117	147471	46.940	ug/l	98
39) Methylcyclohexane	7.367	83	146335	44.583	ug/l	99
40) Benzene	6.025	78	441979	50.326	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091725\
Data File : VX047627.D
Acq On : 17 Sep 2025 18:19
Operator : JC/MD
Sample : Q3095-06MS
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MS

Quant Time: Sep 22 03:11:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.910	41	92906	58.127	ug/l		98
42) 1,2-Dichloroethane	6.074	62	171730	51.392	ug/l		98
43) Isopropyl Acetate	6.324	43	275390	54.235	ug/l		100
44) Trichloroethene	7.111	130	110156	51.881	ug/l		96
45) 1,2-Dichloropropane	7.415	63	116638	51.866	ug/l		98
46) Dibromomethane	7.568	93	85895	52.488	ug/l		99
47) Bromodichloromethane	7.806	83	174519	51.679	ug/l		100
48) Methyl methacrylate	7.678	41	140879	55.700	ug/l		99
49) 1,4-Dioxane	7.647	88	33926	1327.269	ug/l		98
51) 4-Methyl-2-Pentanone	8.562	43	842868	299.390	ug/l		99
52) Toluene	8.702	92	272836	50.424	ug/l		99
53) t-1,3-Dichloropropene	8.964	75	173625	50.406	ug/l		99
54) cis-1,3-Dichloropropene	8.354	75	184506	50.114	ug/l		99
55) 1,1,2-Trichloroethane	9.135	97	110987	53.196	ug/l		99
56) Ethyl methacrylate	9.104	69	185273	56.544	ug/l		98
57) 1,3-Dichloropropane	9.293	76	193063	53.867	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.153	63	218	8.032	ug/l	#	47
59) 2-Hexanone	9.415	43	587710	290.665	ug/l		99
60) Dibromochloromethane	9.507	129	127823	53.171	ug/l		99
61) 1,2-Dibromoethane	9.592	107	115811	54.497	ug/l		100
64) Tetrachloroethene	9.257	164	81118	47.497	ug/l		99
65) Chlorobenzene	10.061	112	302235	50.781	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.147	131	103999	50.638	ug/l		98
67) Ethyl Benzene	10.177	91	517450	50.388	ug/l		99
68) m/p-Xylenes	10.287	106	384391	100.566	ug/l		100
69) o-Xylene	10.628	106	191158	51.706	ug/l		99
70) Styrene	10.640	104	335181	51.742	ug/l		98
71) Bromoform	10.781	173	83452	54.418	ug/l	#	98
73) Isopropylbenzene	10.945	105	475299	50.143	ug/l		100
74) N-amyl acetate	10.829	43	227882	52.719	ug/l		100
75) 1,1,2,2-Tetrachloroethane	11.195	83	161458	56.299	ug/l		99
76) 1,2,3-Trichloropropane	11.220	75	179801	71.226	ug/l		89
77) Bromobenzene	11.183	156	120985	51.822	ug/l		99
78) n-propylbenzene	11.287	91	559362	49.919	ug/l		100
79) 2-Chlorotoluene	11.348	91	346749	50.524	ug/l		99
80) 1,3,5-Trimethylbenzene	11.433	105	391142	50.225	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.000	75	49723	50.230	ug/l		98
82) 4-Chlorotoluene	11.439	91	410157	50.602	ug/l		100
83) tert-Butylbenzene	11.695	119	397695	49.885	ug/l		99
84) 1,2,4-Trimethylbenzene	11.732	105	401664	50.872	ug/l		99
85) sec-Butylbenzene	11.872	105	468992	49.527	ug/l		99
86) p-Isopropyltoluene	11.994	119	394248	49.178	ug/l		99
87) 1,3-Dichlorobenzene	11.951	146	219815	50.692	ug/l		99
88) 1,4-Dichlorobenzene	12.024	146	220949	49.645	ug/l		99
89) n-Butylbenzene	12.317	91	360159	48.552	ug/l		99
90) Hexachloroethane	12.518	117	68740	48.838	ug/l		98
91) 1,2-Dichlorobenzene	12.317	146	211420	51.176	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	12.921	75	32914	56.686	ug/l		98
93) 1,2,4-Trichlorobenzene	13.567	180	134428	50.068	ug/l		99
94) Hexachlorobutadiene	13.707	225	40073	43.940	ug/l		100
95) Naphthalene	13.756	128	442360	54.106	ug/l		100
96) 1,2,3-Trichlorobenzene	13.939	180	126844	50.787	ug/l		98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091725\
Data File : VX047627.D
Acq On : 17 Sep 2025 18:19
Operator : JC/MD
Sample : Q3095-06MS
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MS

Quant Time: Sep 22 03:11:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

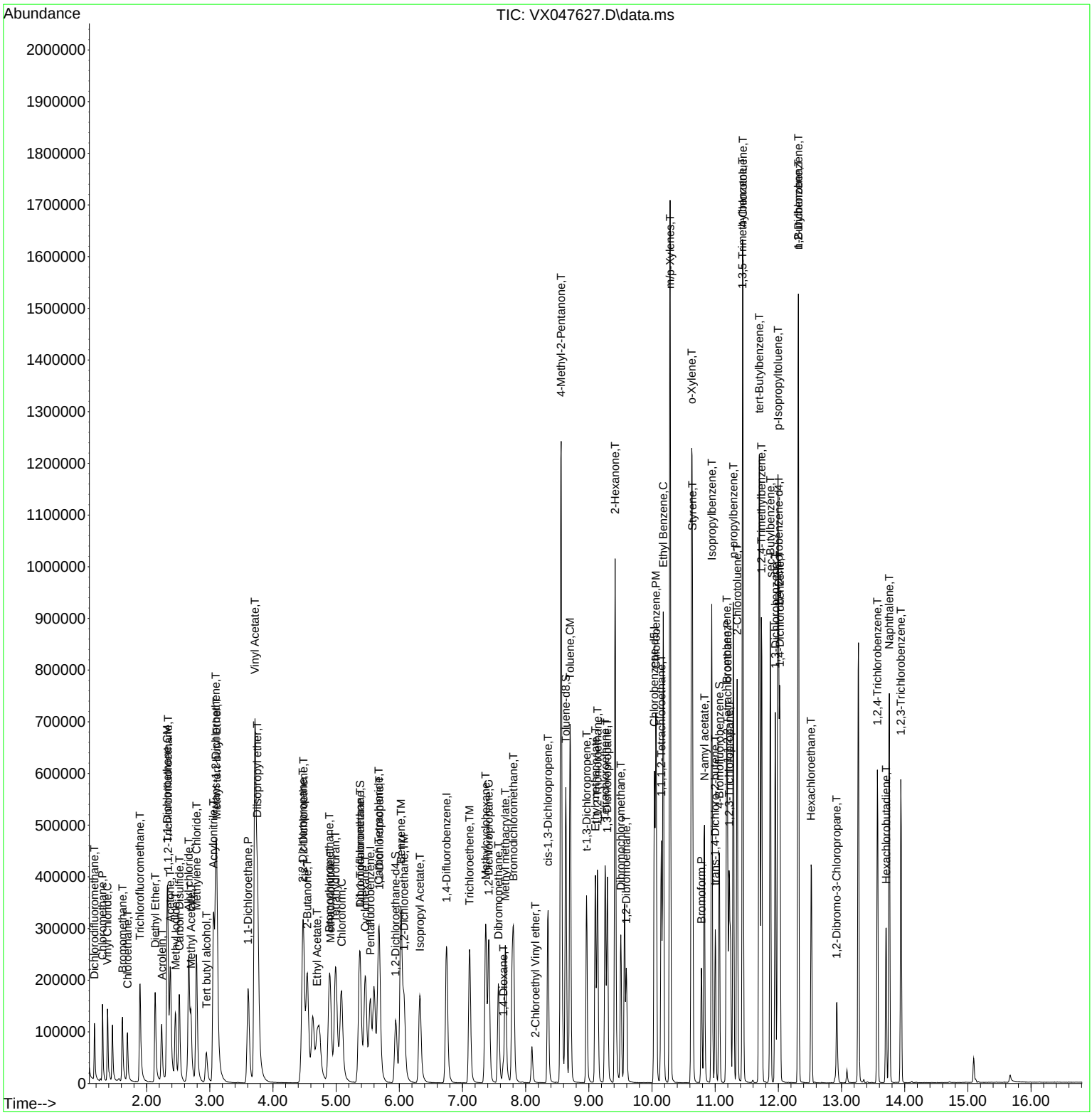
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

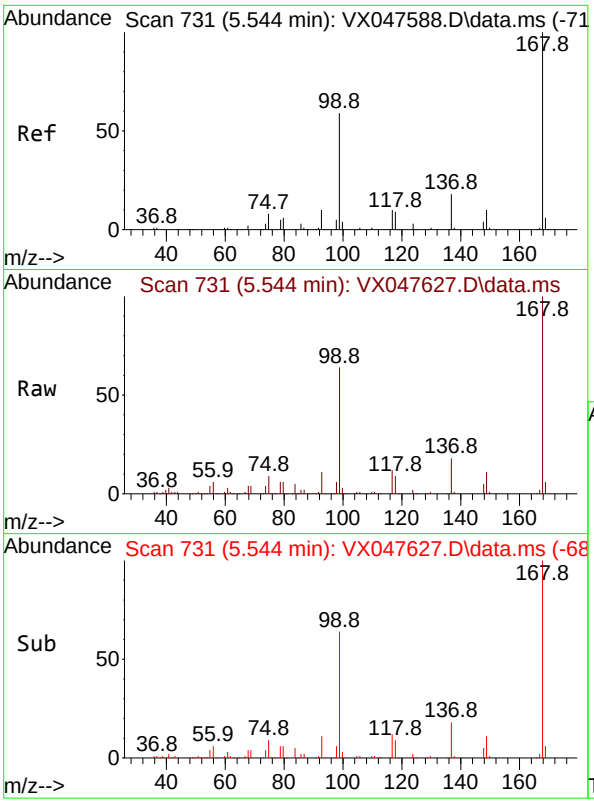
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091725\
Data File : VX047627.D
Acq On : 17 Sep 2025 18:19
Operator : JC/MD
Sample : Q3095-06MS
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MS

Quant Time: Sep 22 03:11:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



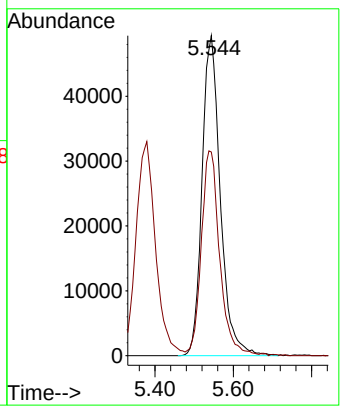


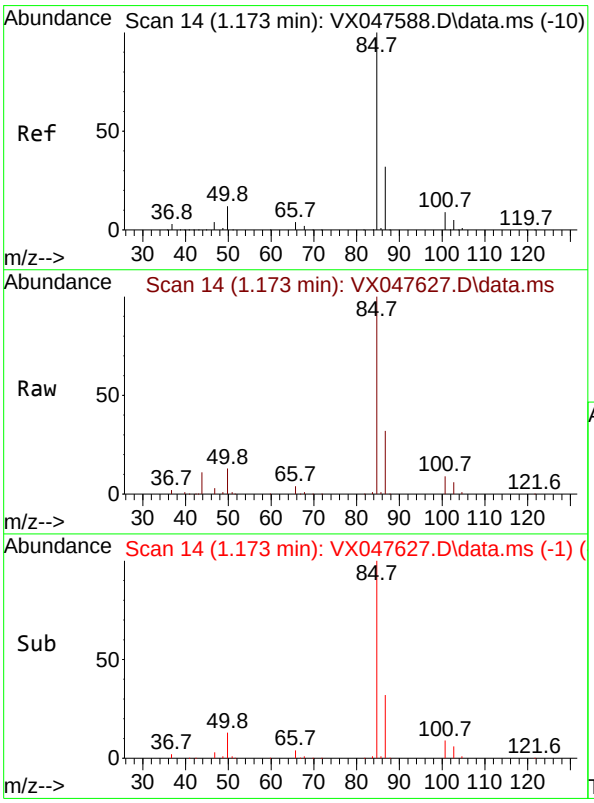
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047627.D
Acq: 17 Sep 2025 18:19

Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MS

Tgt Ion:168 Resp: 159553

Ion	Ratio	Lower	Upper
168	100		
99	63.4	48.8	73.2

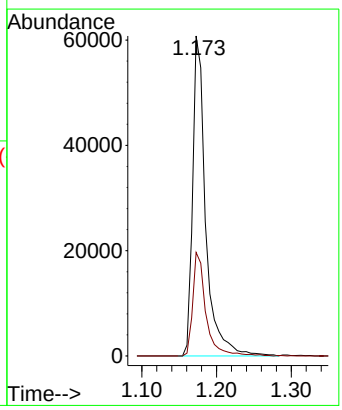


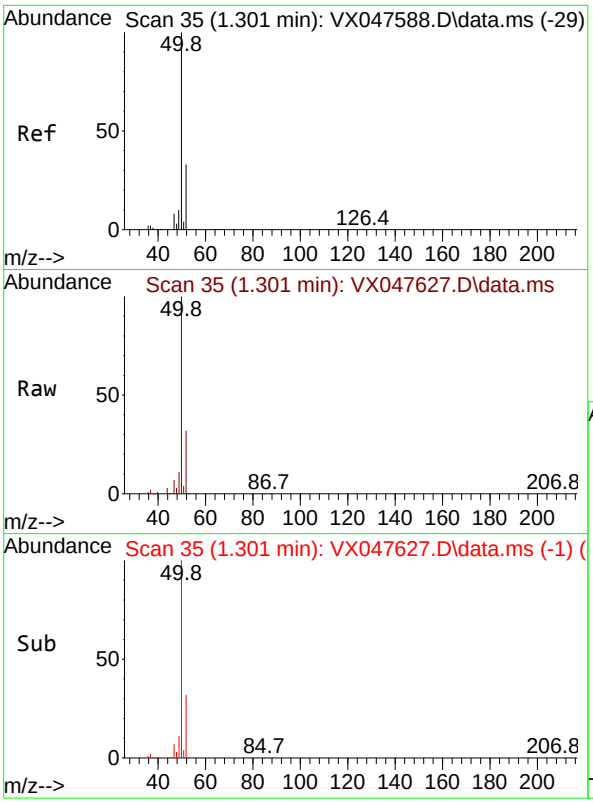


#2
Dichlorodifluoromethane
Concen: 44.711 ug/l
RT: 1.173 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047627.D
Acq: 17 Sep 2025 18:19

Tgt Ion: 85 Resp: 73871

Ion	Ratio	Lower	Upper
85	100		
87	32.3	15.8	47.3



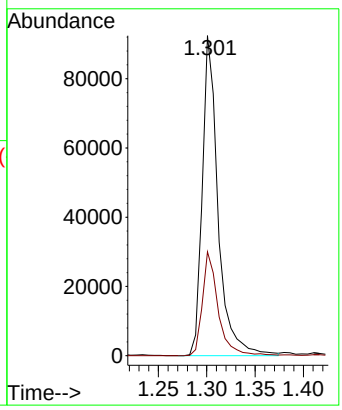


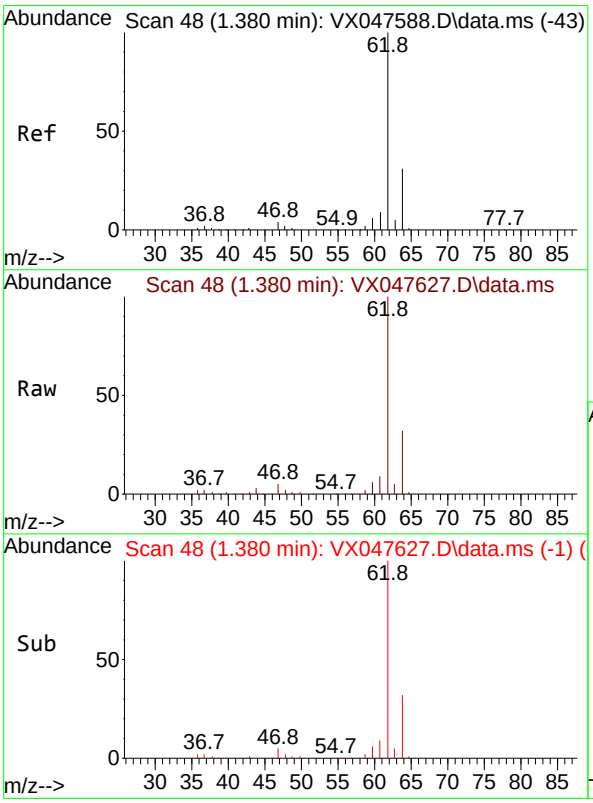
#3
Chloromethane
Concen: 48.472 ug/l
RT: 1.301 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX047627.D
Acq: 17 Sep 2025 18:19

Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MS

Tgt Ion: 50 Resp: 105255

Ion	Ratio	Lower	Upper
50	100		
52	32.5	26.1	39.1

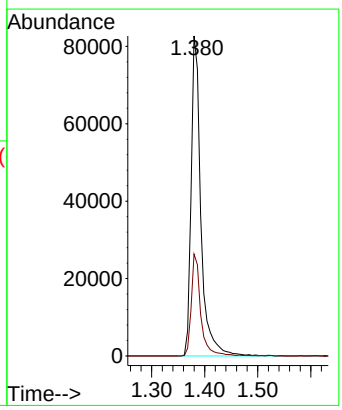


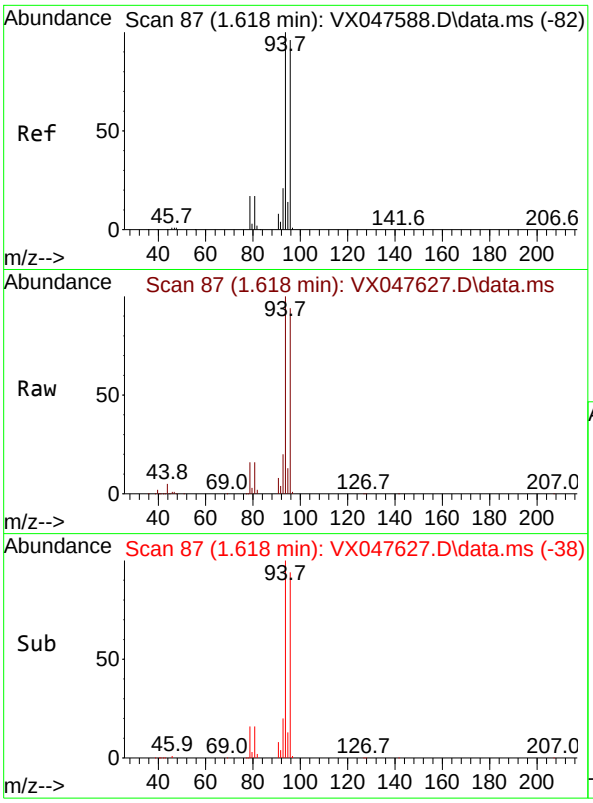


#4
Vinyl Chloride
Concen: 49.479 ug/l
RT: 1.380 min Scan# 48
Delta R.T. 0.000 min
Lab File: VX047627.D
Acq: 17 Sep 2025 18:19

Tgt Ion: 62 Resp: 105172

Ion	Ratio	Lower	Upper
62	100		
64	31.8	24.9	37.3



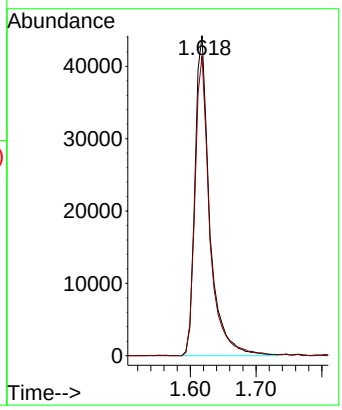


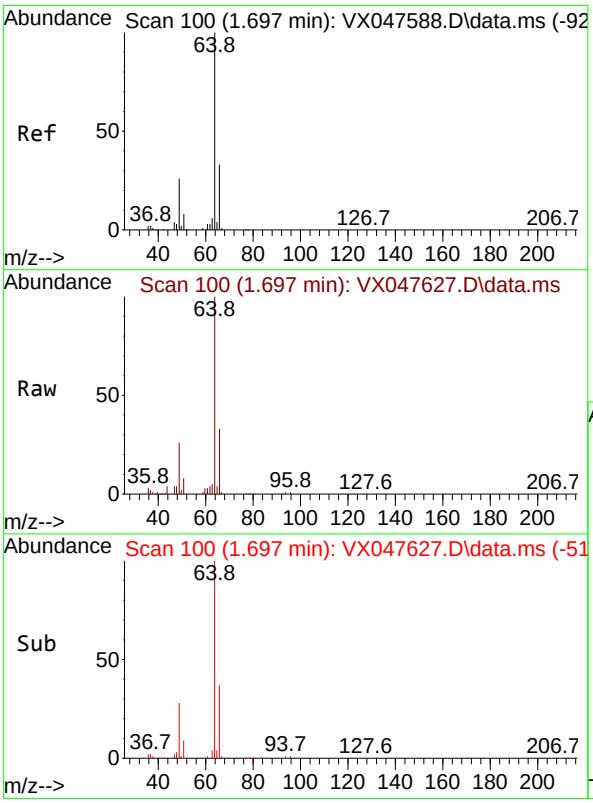
#5
Bromomethane
Concen: 50.972 ug/l
RT: 1.618 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX047627.D
Acq: 17 Sep 2025 18:19

Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MS

Tgt Ion: 94 Resp: 68703

Ion	Ratio	Lower	Upper
94	100		
96	93.6	76.6	115.0

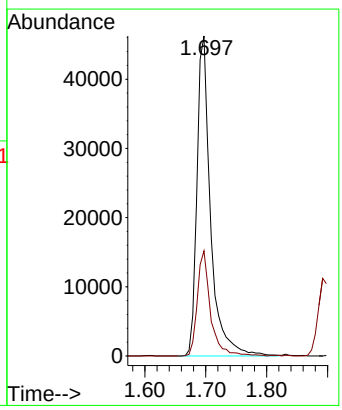


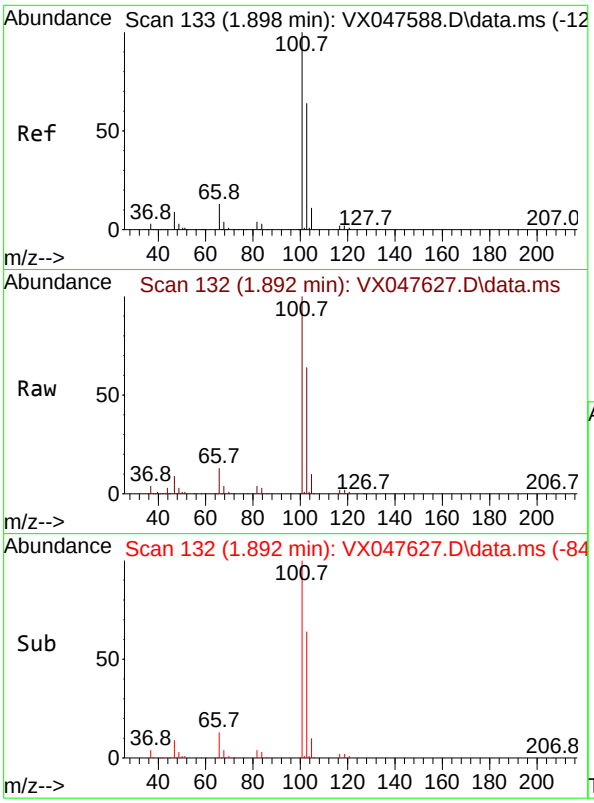


#6
Chloroethane
Concen: 50.361 ug/l
RT: 1.697 min Scan# 100
Delta R.T. 0.000 min
Lab File: VX047627.D
Acq: 17 Sep 2025 18:19

Tgt Ion: 64 Resp: 71546

Ion	Ratio	Lower	Upper
64	100		
66	32.9	26.1	39.1



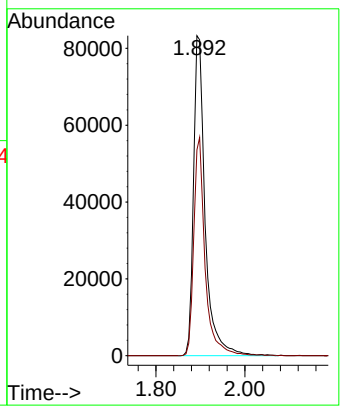


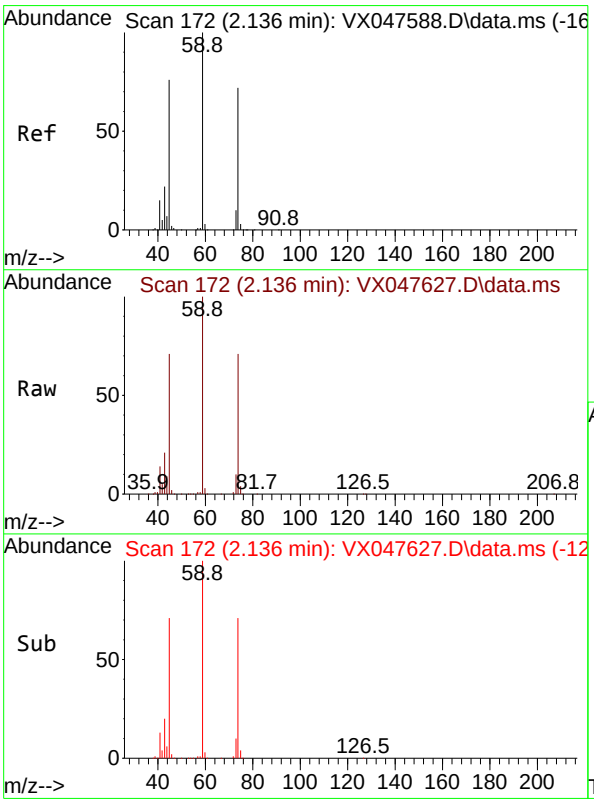
#7
Trichlorofluoromethane
Concen: 47.904 ug/l
RT: 1.892 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047627.D
Acq: 17 Sep 2025 18:19

Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MS

Tgt Ion:101 Resp: 151188

Ion	Ratio	Lower	Upper
101	100		
103	64.3	51.4	77.2

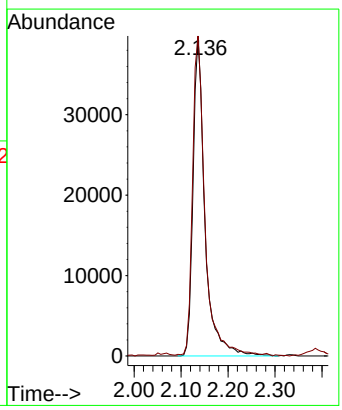


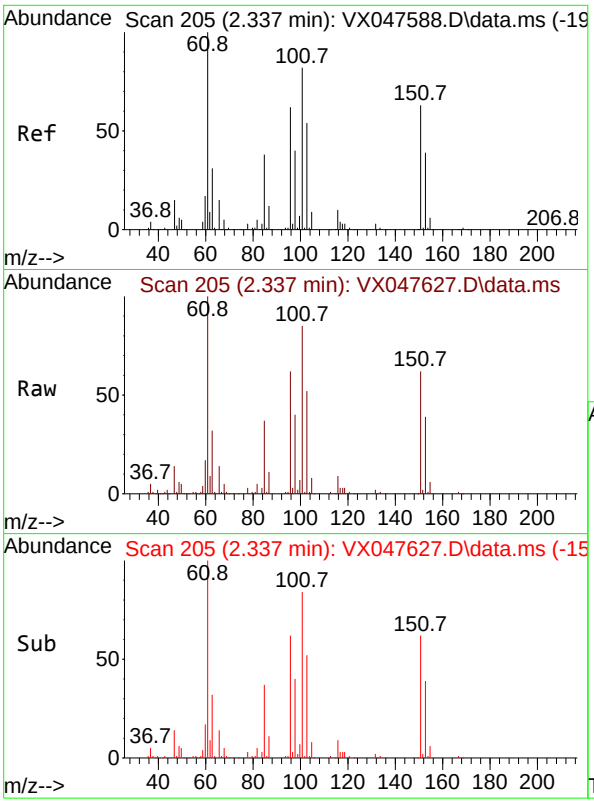


#8
Diethyl Ether
Concen: 54.122 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.000 min
Lab File: VX047627.D
Acq: 17 Sep 2025 18:19

Tgt Ion: 74 Resp: 69874

Ion	Ratio	Lower	Upper
74	100		
45	103.8	52.3	156.8



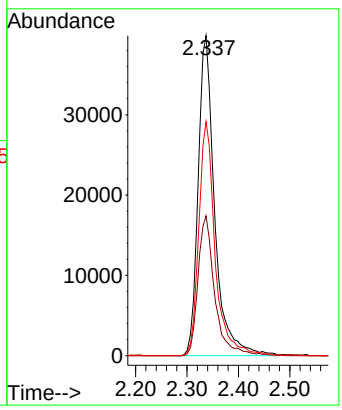


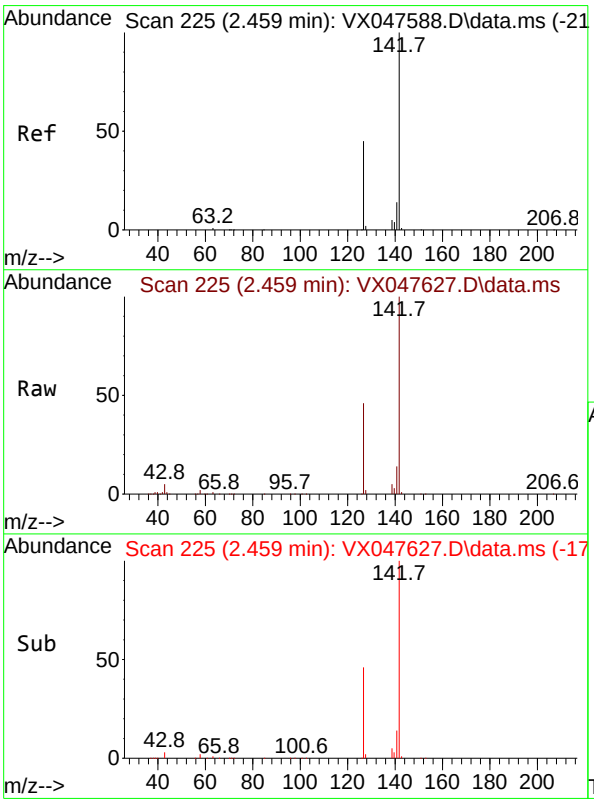
#9
1,1,2-Trichlorotrifluoroethane
Concen: 48.196 ug/l
RT: 2.337 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX047627.D
Acq: 17 Sep 2025 18:19

Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MS

Tgt Ion:101 Resp: 88943

Ion	Ratio	Lower	Upper
101	100		
85	44.2	35.5	53.3
151	72.4	59.4	89.0

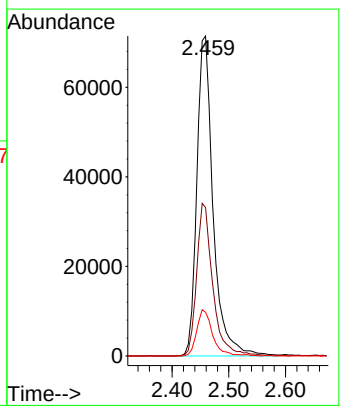


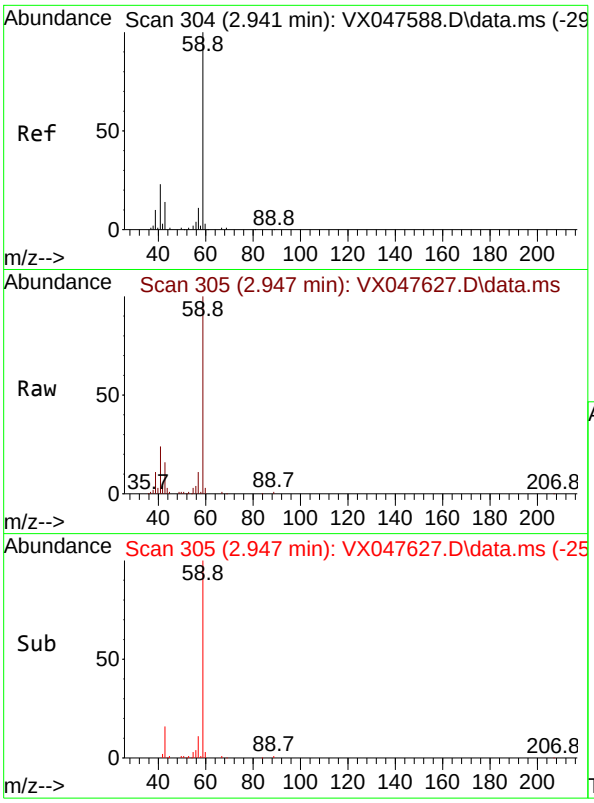


#10
Methyl Iodide
Concen: 49.577 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.000 min
Lab File: VX047627.D
Acq: 17 Sep 2025 18:19

Tgt Ion:142 Resp: 142690

Ion	Ratio	Lower	Upper
142	100		
127	47.3	37.2	55.8
141	14.2	11.4	17.0



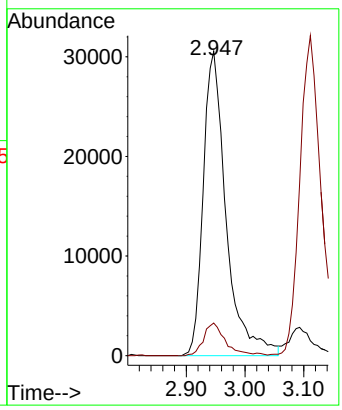


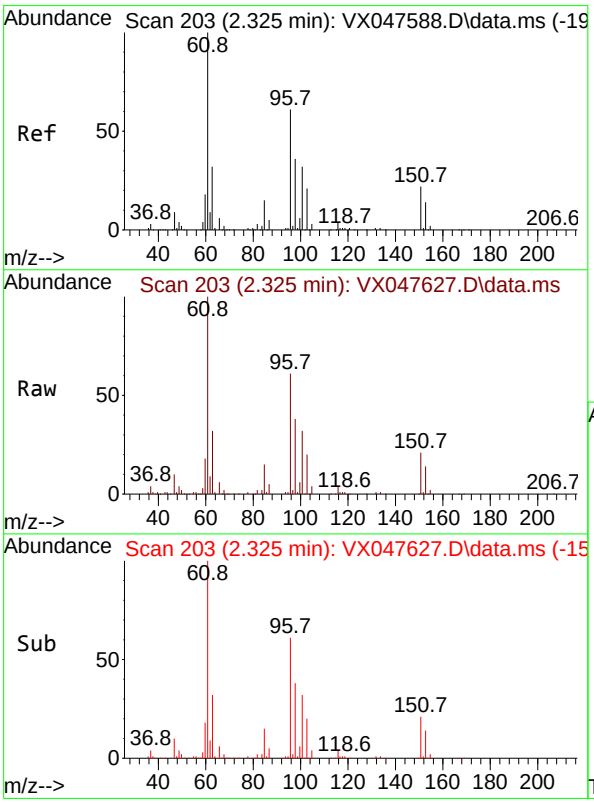
#11
Tert butyl alcohol
Concen: 292.937 ug/l
RT: 2.947 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX047627.D
Acq: 17 Sep 2025 18:19

Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MS

Tgt Ion: 59 Resp: 82858

Ion	Ratio	Lower	Upper
59	100		
57	10.0	8.3	12.5

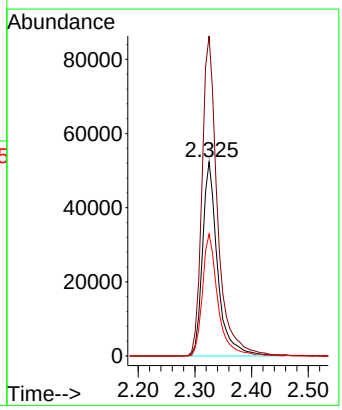


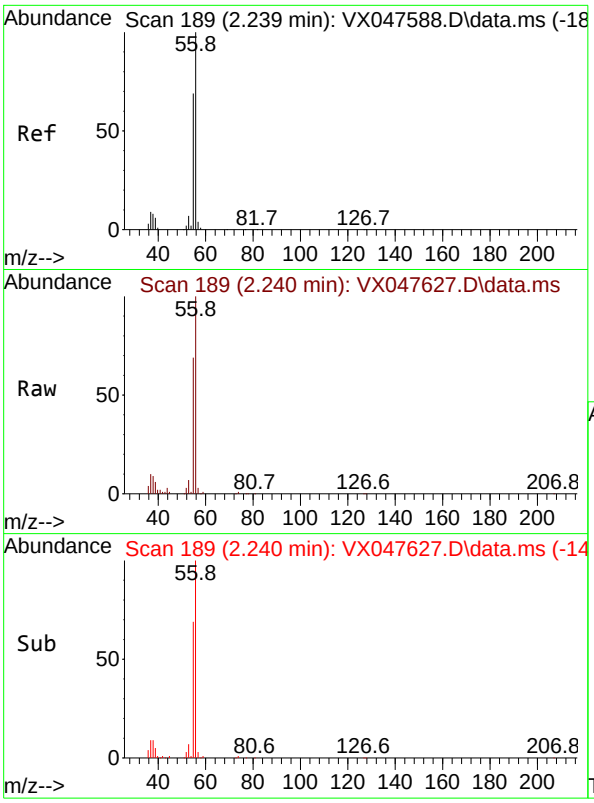


#12
1,1-Dichloroethene
Concen: 51.193 ug/l
RT: 2.325 min Scan# 203
Delta R.T. 0.000 min
Lab File: VX047627.D
Acq: 17 Sep 2025 18:19

Tgt Ion: 96 Resp: 97044

Ion	Ratio	Lower	Upper
96	100		
61	164.9	131.0	196.6
98	62.8	47.7	71.5



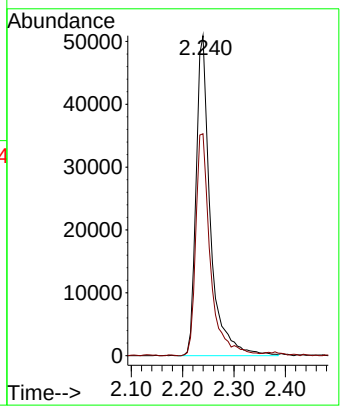


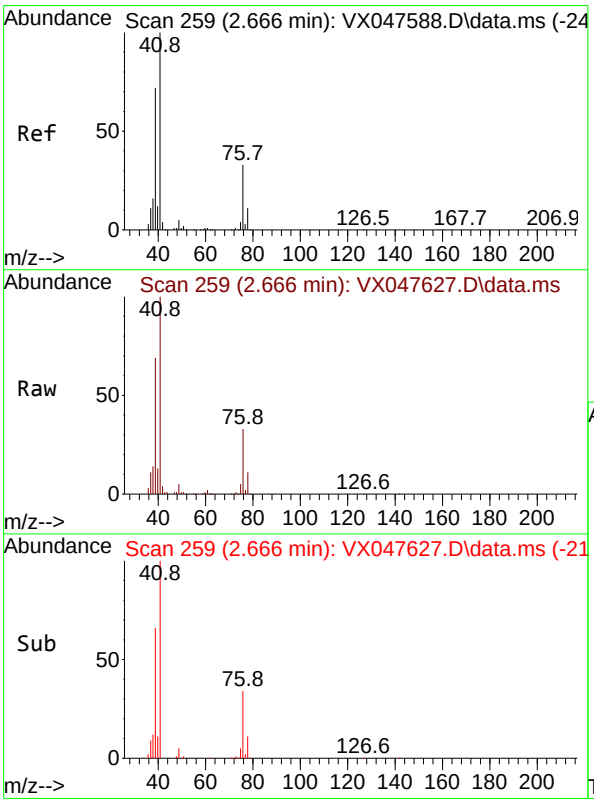
#13
Acrolein
Concen: 376.791 ug/l
RT: 2.240 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047627.D
Acq: 17 Sep 2025 18:19

Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MS

Tgt Ion: 56 Resp: 98212

Ion	Ratio	Lower	Upper
56	100		
55	71.0	57.2	85.8

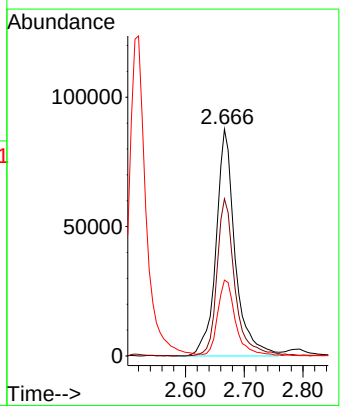


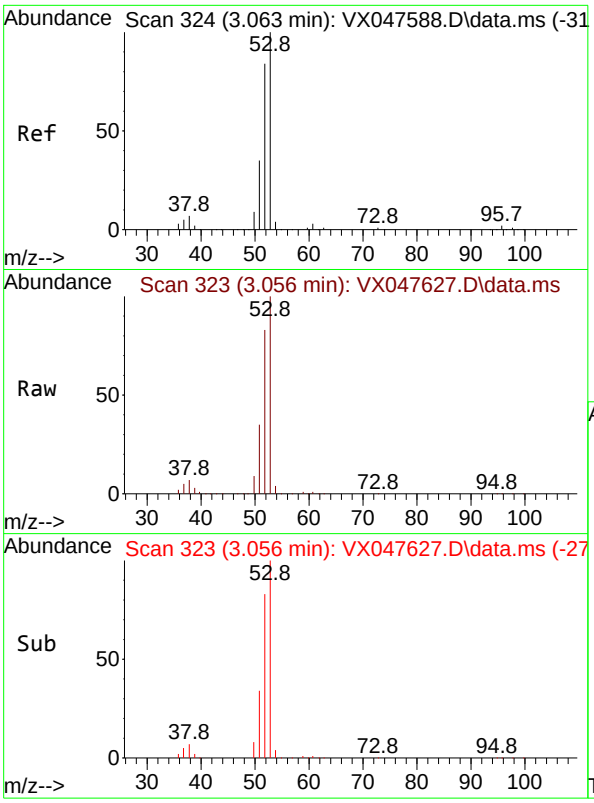


#14
Allyl chloride
Concen: 50.538 ug/l
RT: 2.666 min Scan# 259
Delta R.T. 0.000 min
Lab File: VX047627.D
Acq: 17 Sep 2025 18:19

Tgt Ion: 41 Resp: 197692

Ion	Ratio	Lower	Upper
41	100		
39	65.5	54.7	82.1
76	31.0	25.7	38.5



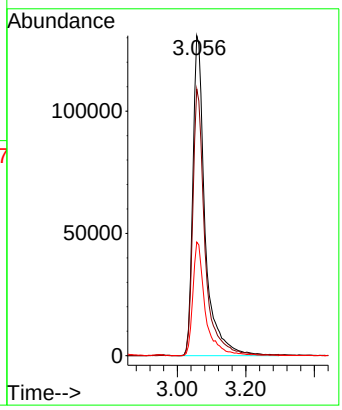


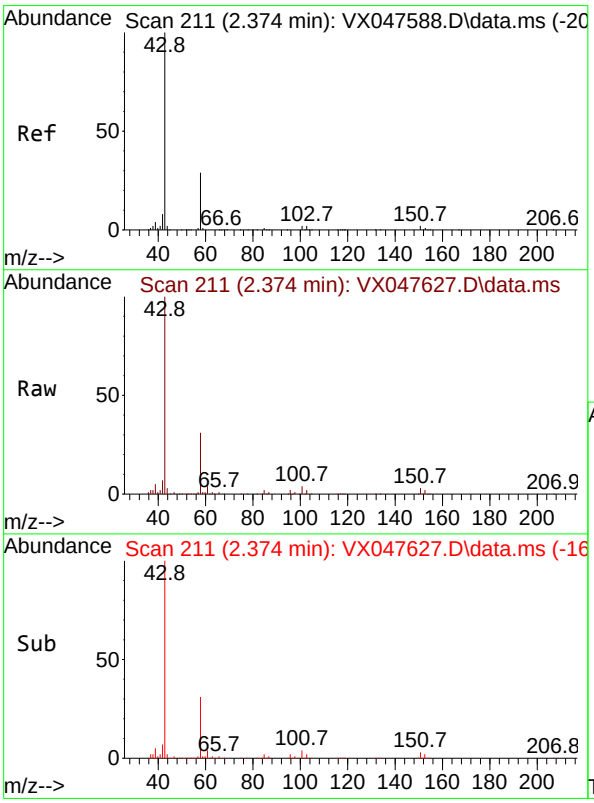
#15
Acrylonitrile
Concen: 311.955 ug/l
RT: 3.056 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047627.D
Acq: 17 Sep 2025 18:19

Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MS

Tgt Ion: 53 Resp: 326837

Ion	Ratio	Lower	Upper
53	100		
52	82.3	66.4	99.6
51	36.2	29.5	44.3

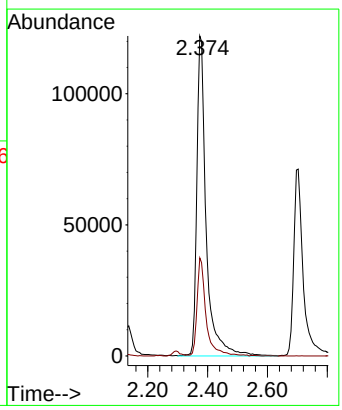


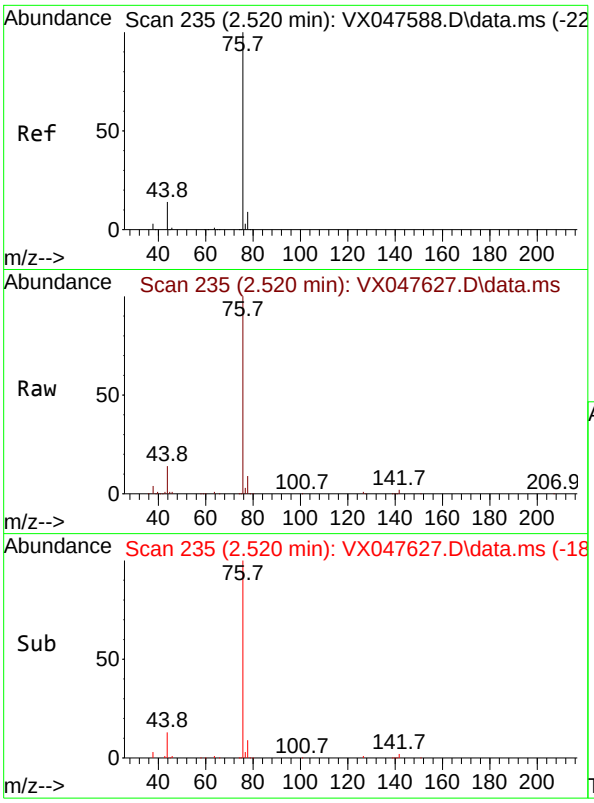


#16
Acetone
Concen: 240.960 ug/l
RT: 2.374 min Scan# 211
Delta R.T. 0.000 min
Lab File: VX047627.D
Acq: 17 Sep 2025 18:19

Tgt Ion: 43 Resp: 266083

Ion	Ratio	Lower	Upper
43	100		
58	30.7	23.4	35.0



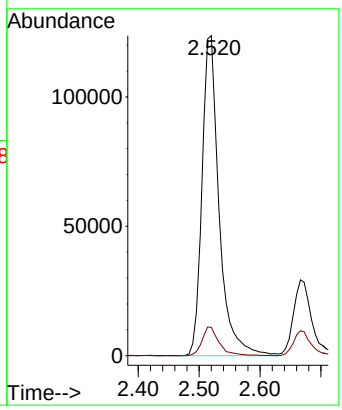


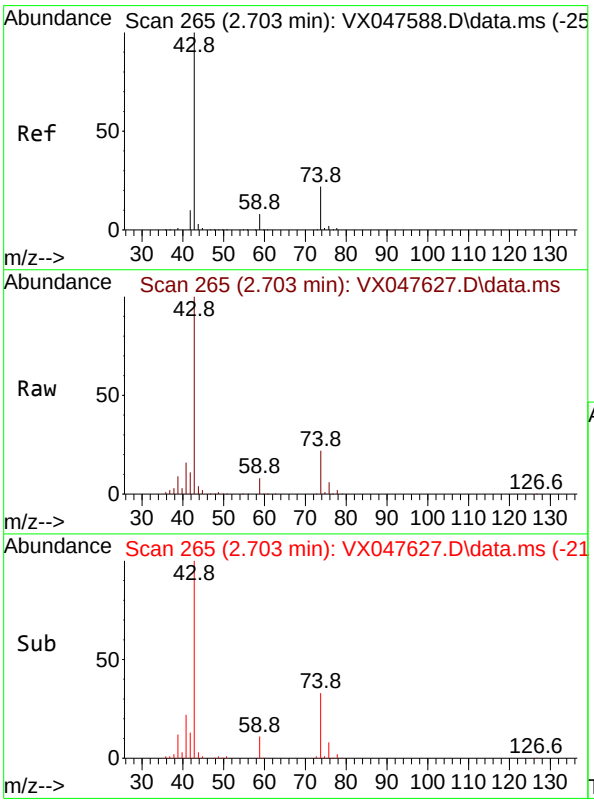
#17
Carbon Disulfide
Concen: 46.518 ug/l
RT: 2.520 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX047627.D
Acq: 17 Sep 2025 18:19

Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MS

Tgt Ion: 76 Resp: 241409

Ion	Ratio	Lower	Upper
76	100		
78	8.8	6.8	10.2

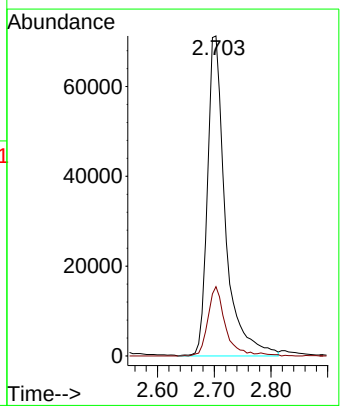


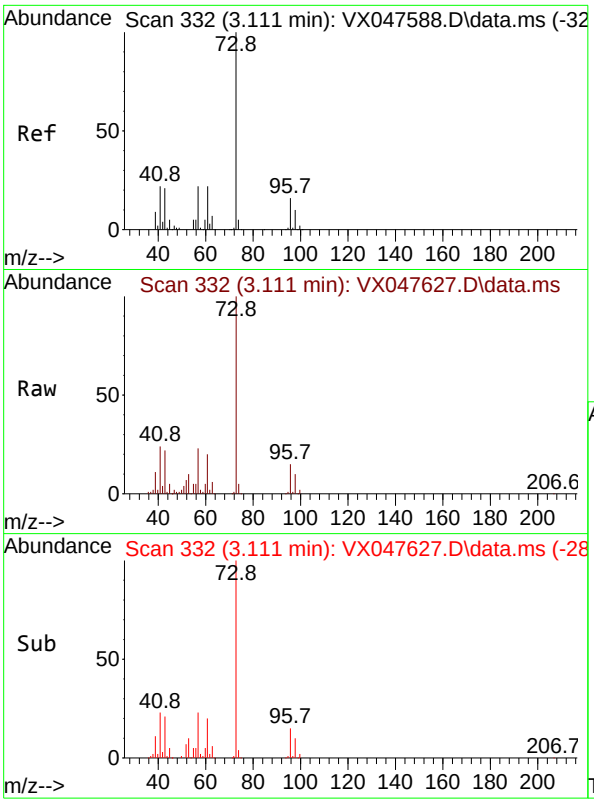


#18
Methyl Acetate
Concen: 63.550 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX047627.D
Acq: 17 Sep 2025 18:19

Tgt Ion: 43 Resp: 156175

Ion	Ratio	Lower	Upper
43	100		
74	20.9	17.4	26.2



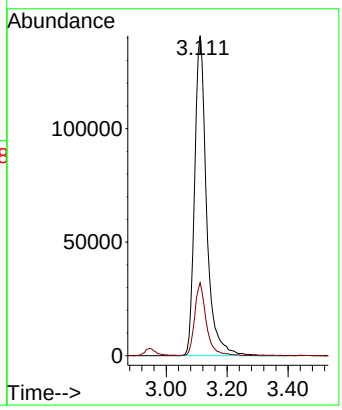


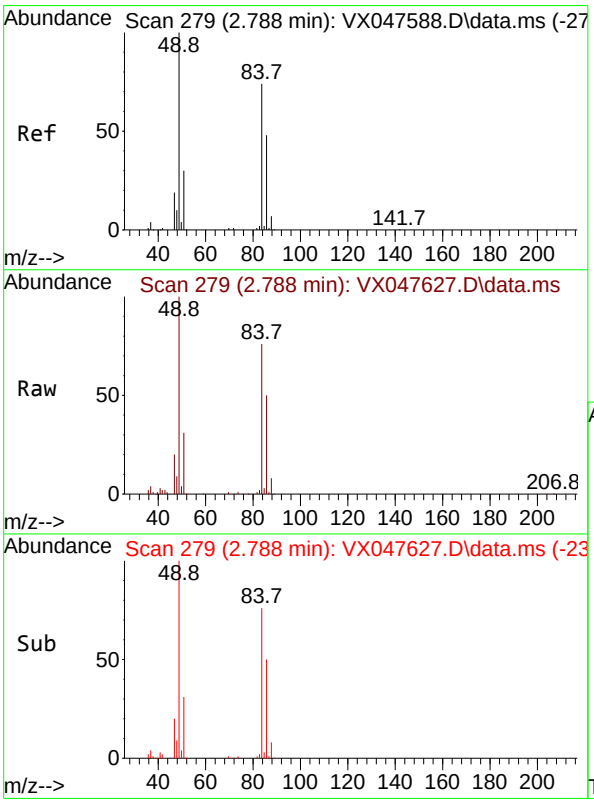
#19
Methyl tert-butyl Ether
Concen: 55.425 ug/l
RT: 3.111 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX047627.D
Acq: 17 Sep 2025 18:19

Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MS

Tgt Ion: 73 Resp: 383542

Ion	Ratio	Lower	Upper
73	100		
57	22.8	17.4	26.2

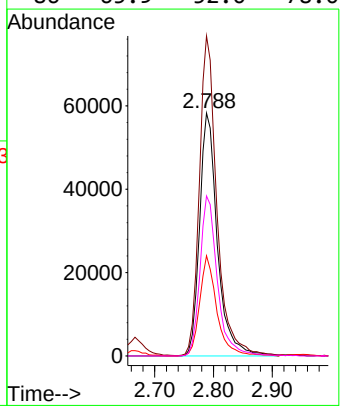


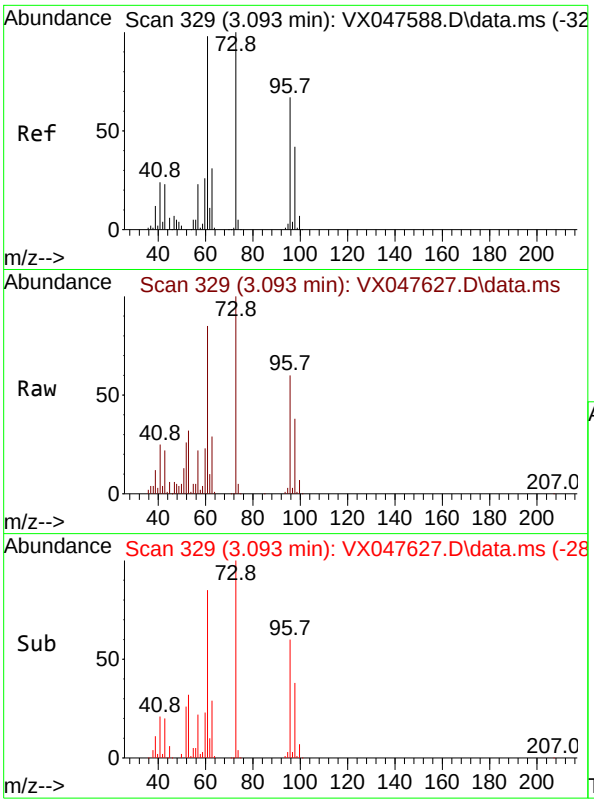


#20
Methylene Chloride
Concen: 52.612 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX047627.D
Acq: 17 Sep 2025 18:19

Tgt Ion: 84 Resp: 122976

Ion	Ratio	Lower	Upper
84	100		
49	131.6	108.6	162.8
51	41.2	32.6	48.8
86	65.9	52.0	78.0



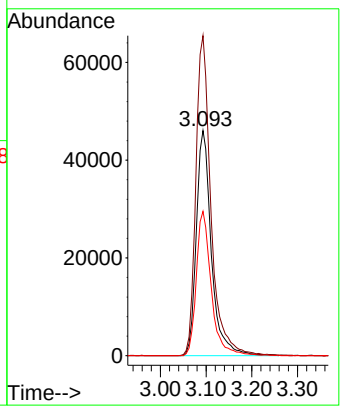


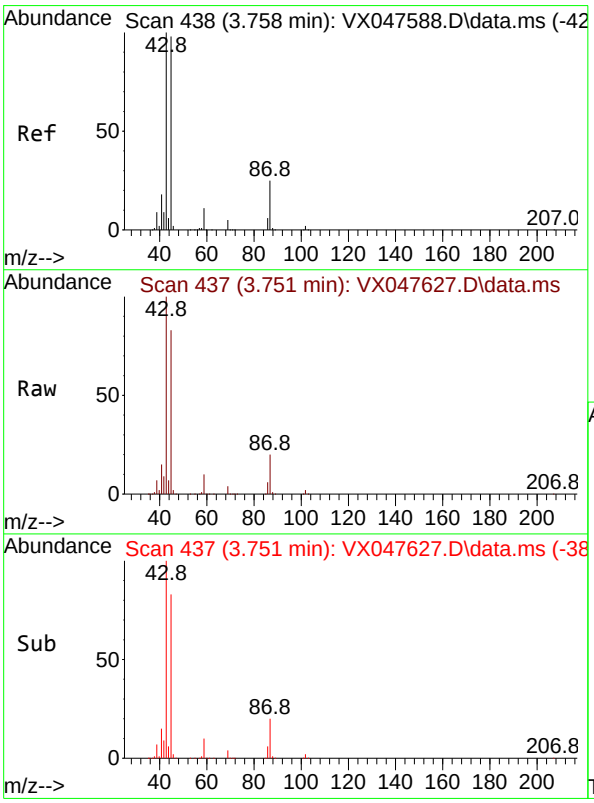
#21
trans-1,2-Dichloroethene
Concen: 51.656 ug/l
RT: 3.093 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX047627.D
Acq: 17 Sep 2025 18:19

Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MS

Tgt Ion: 96 Resp: 105424

Ion	Ratio	Lower	Upper
96	100		
61	142.1	116.2	174.2
98	65.9	49.3	73.9

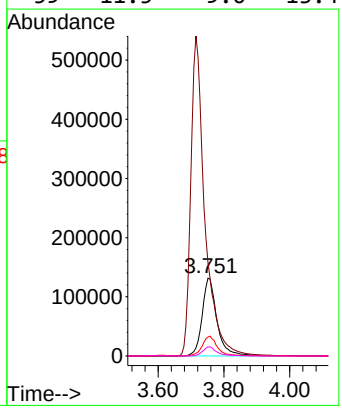


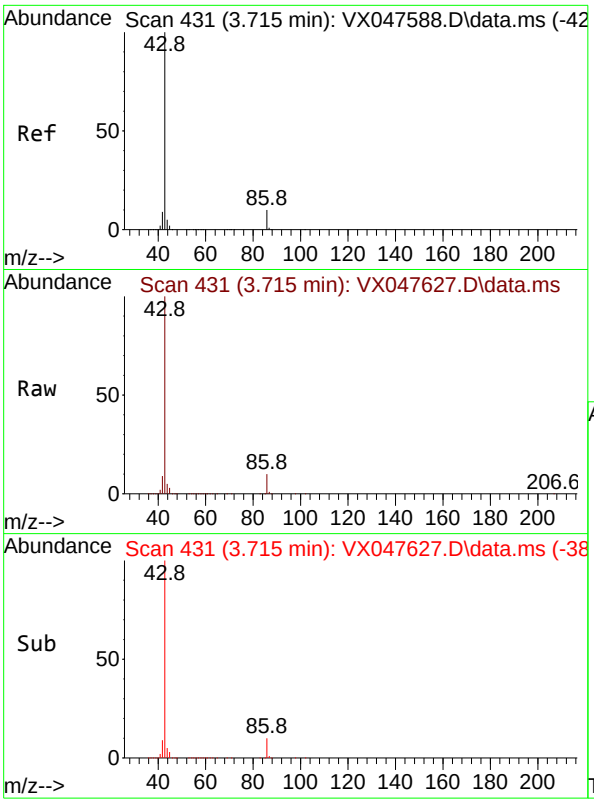


#22
Diisopropyl ether
Concen: 54.398 ug/l
RT: 3.751 min Scan# 437
Delta R.T. -0.006 min
Lab File: VX047627.D
Acq: 17 Sep 2025 18:19

Tgt Ion: 45 Resp: 412398

Ion	Ratio	Lower	Upper
45	100		
43	120.1	81.0	121.4
87	24.4	20.3	30.5
59	11.5	9.0	13.4



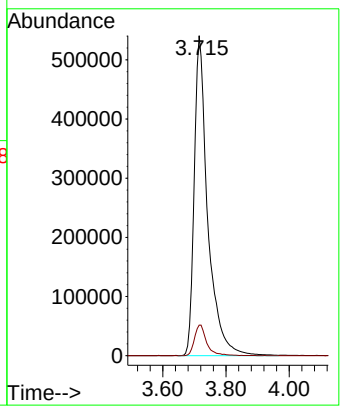


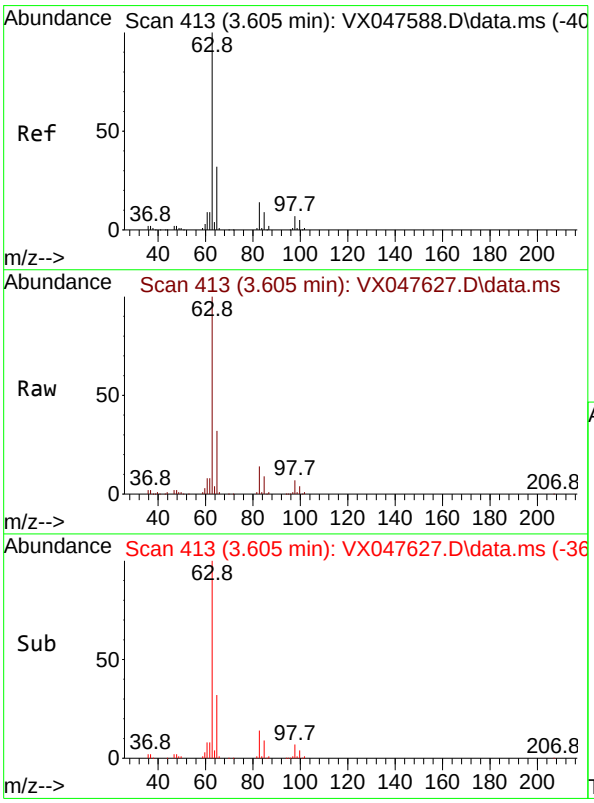
#23
Vinyl Acetate
Concen: 265.368 ug/l
RT: 3.715 min Scan# 4
Delta R.T. 0.000 min
Lab File: VX047627.D
Acq: 17 Sep 2025 18:19

Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MS

Tgt Ion: 43 Resp: 1610114

Ion	Ratio	Lower	Upper
43	100		
86	9.5	7.8	11.8

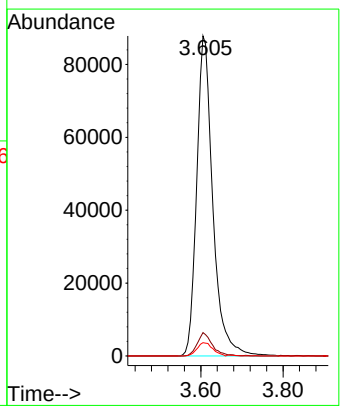


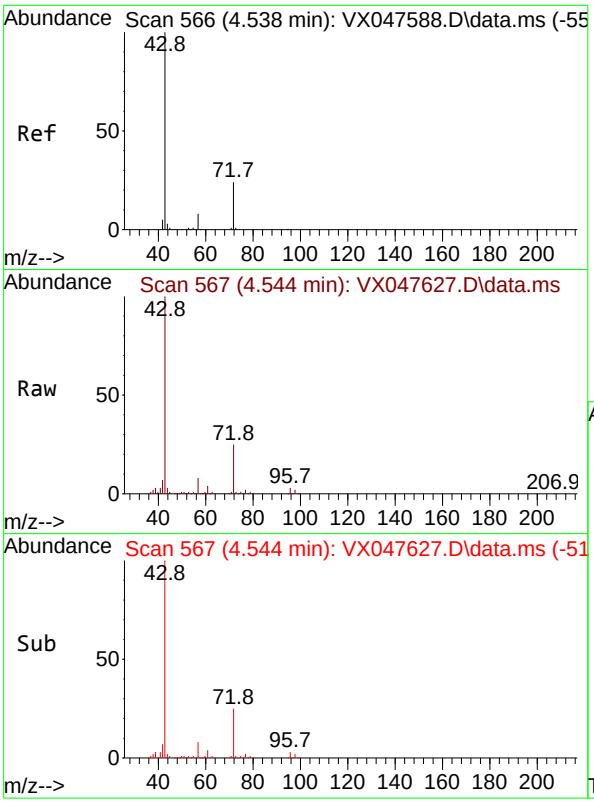


#24
1,1-Dichloroethane
Concen: 59.250 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX047627.D
Acq: 17 Sep 2025 18:19

Tgt Ion: 63 Resp: 238744

Ion	Ratio	Lower	Upper
63	100		
98	7.9	3.8	11.2
100	4.2	2.3	6.9



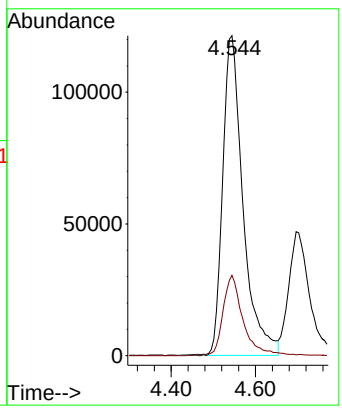


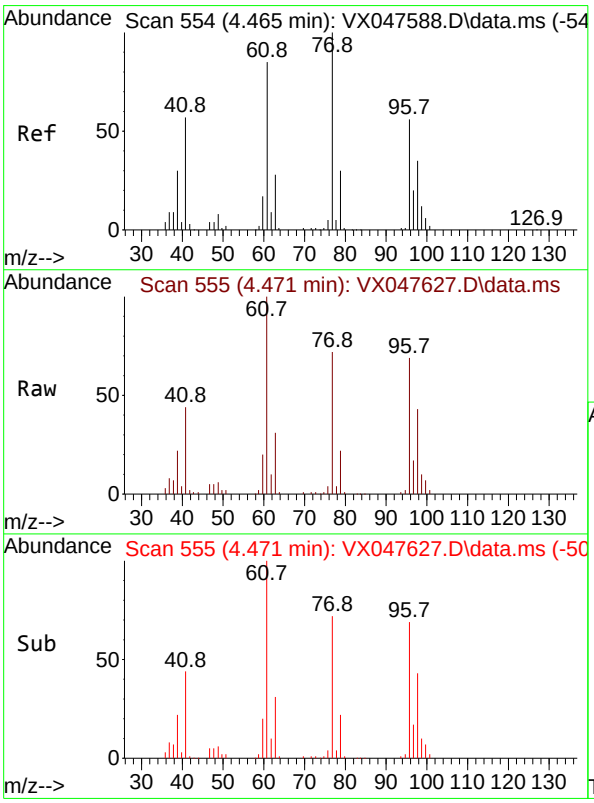
#25
2-Butanone
Concen: 294.707 ug/l
RT: 4.544 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX047627.D
Acq: 17 Sep 2025 18:19

Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MS

Tgt Ion: 43 Resp: 405937

Ion	Ratio	Lower	Upper
43	100		
72	25.2	20.1	30.1

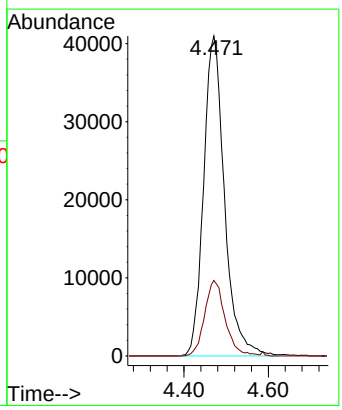


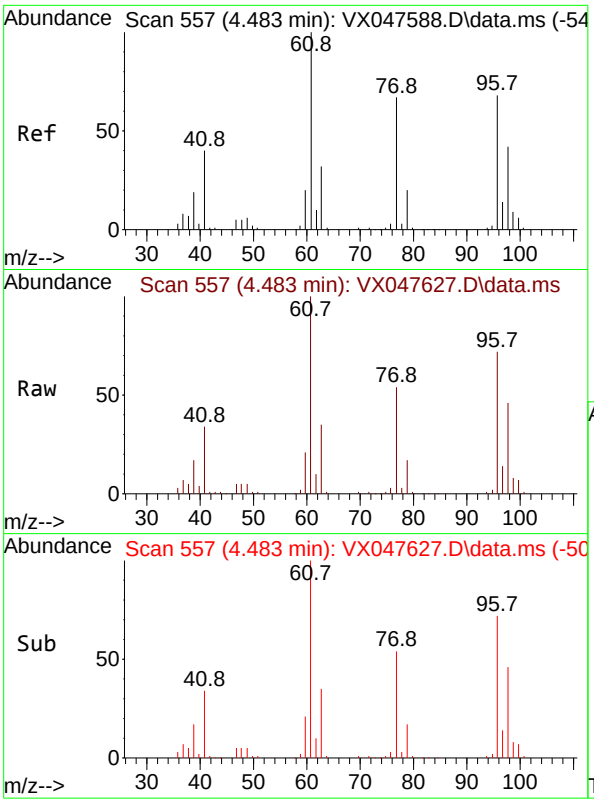


#26
2,2-Dichloropropane
Concen: 42.085 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX047627.D
Acq: 17 Sep 2025 18:19

Tgt Ion: 77 Resp: 140962

Ion	Ratio	Lower	Upper
77	100		
97	23.1	10.9	32.7



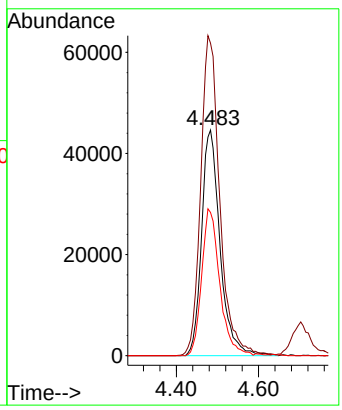


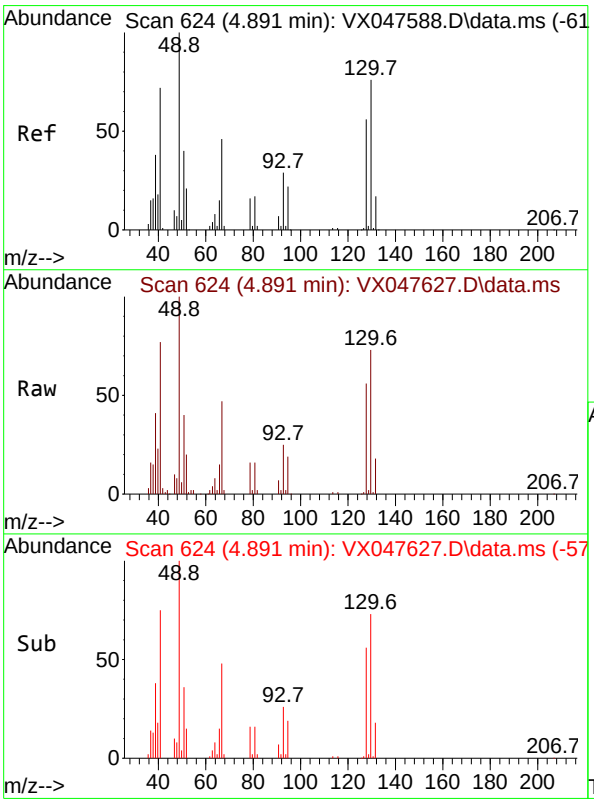
#27
cis-1,2-Dichloroethene
Concen: 55.625 ug/l
RT: 4.483 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX047627.D
Acq: 17 Sep 2025 18:19

Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MS

Tgt Ion: 96 Resp: 139031

Ion	Ratio	Lower	Upper
96	100		
61	146.7	0.0	303.2
98	63.6	0.0	127.8

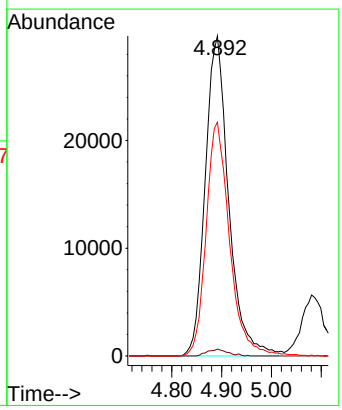


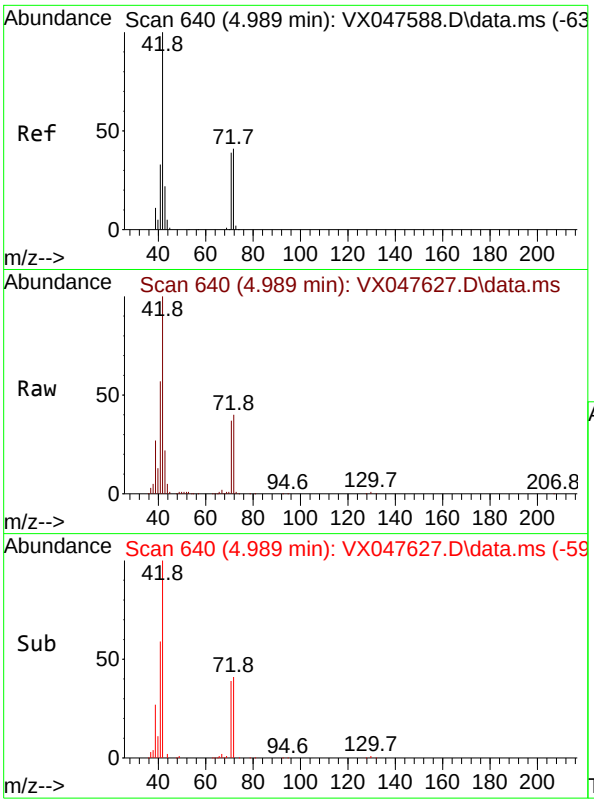


#28
Bromochloromethane
Concen: 55.060 ug/l
RT: 4.891 min Scan# 624
Delta R.T. 0.000 min
Lab File: VX047627.D
Acq: 17 Sep 2025 18:19

Tgt Ion: 49 Resp: 96857

Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.2
130	73.2	57.8	86.8



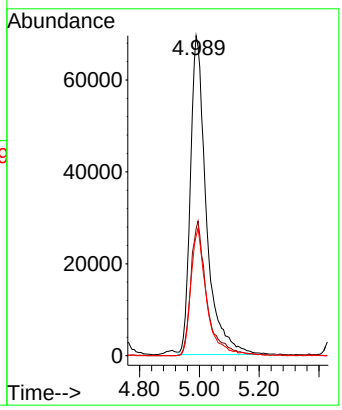


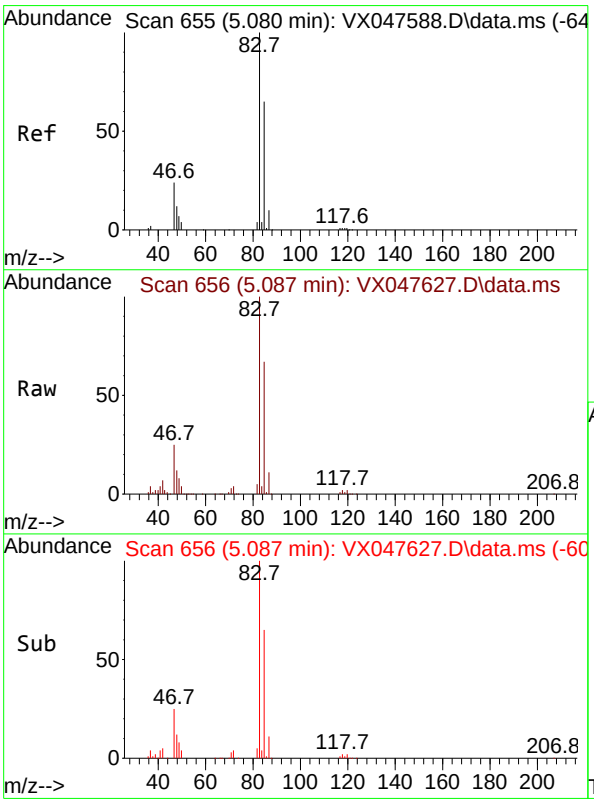
#29
Tetrahydrofuran
Concen: 309.979 ug/l
RT: 4.989 min Scan# 64
Delta R.T. 0.000 min
Lab File: VX047627.D
Acq: 17 Sep 2025 18:19

Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MS

Tgt Ion: 42 Resp: 256857

Ion	Ratio	Lower	Upper
42	100		
72	42.7	34.2	51.2
71	38.9	31.9	47.9

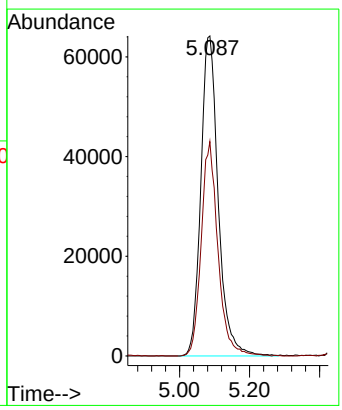


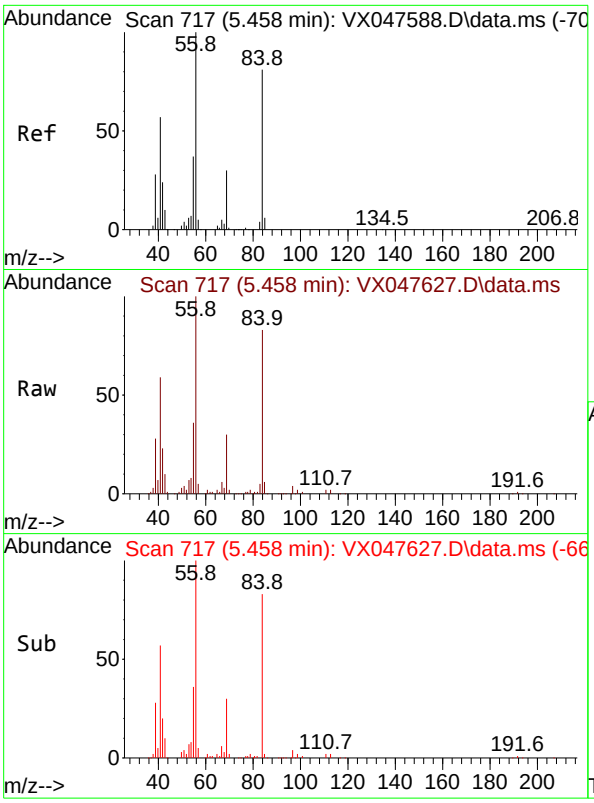


#30
Chloroform
Concen: 54.432 ug/l
RT: 5.087 min Scan# 656
Delta R.T. 0.006 min
Lab File: VX047627.D
Acq: 17 Sep 2025 18:19

Tgt Ion: 83 Resp: 221639

Ion	Ratio	Lower	Upper
83	100		
85	68.2	51.8	77.6



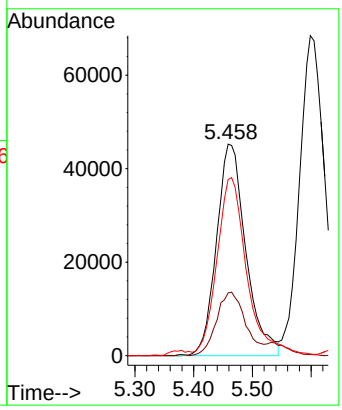


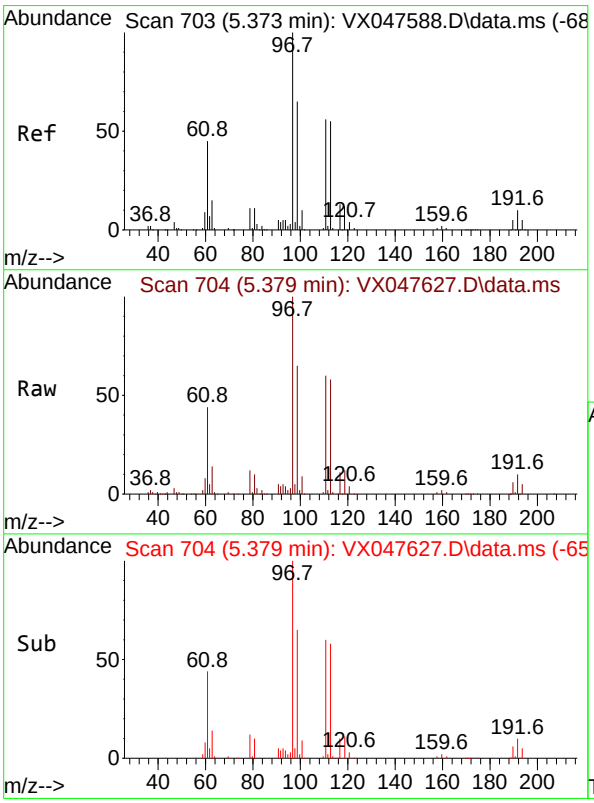
#31
Cyclohexane
Concen: 46.767 ug/l
RT: 5.458 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX047627.D
Acq: 17 Sep 2025 18:19

Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MS

Tgt Ion: 56 Resp: 156950

Ion	Ratio	Lower	Upper
56	100		
69	29.2	23.8	35.8
84	81.2	64.6	97.0

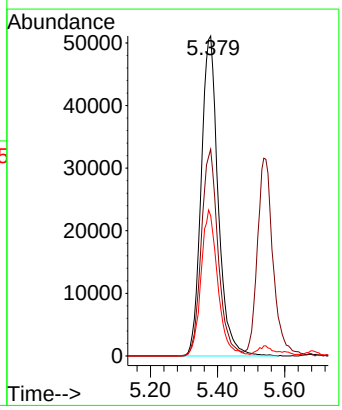


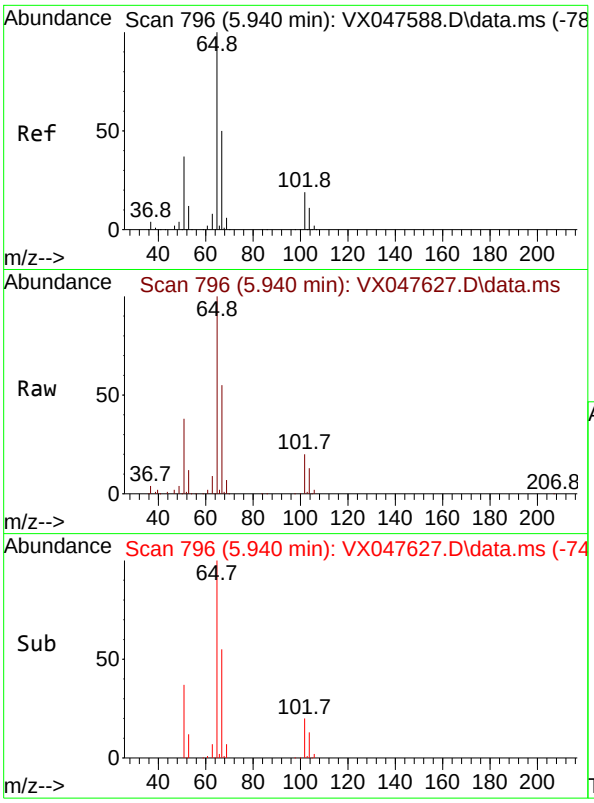


#32
1,1,1-Trichloroethane
Concen: 52.013 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX047627.D
Acq: 17 Sep 2025 18:19

Tgt Ion: 97 Resp: 179641

Ion	Ratio	Lower	Upper
97	100		
99	63.9	50.6	76.0
61	45.0	35.8	53.8



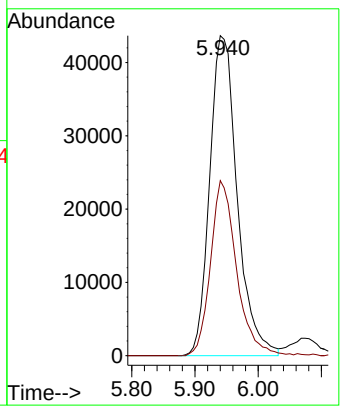


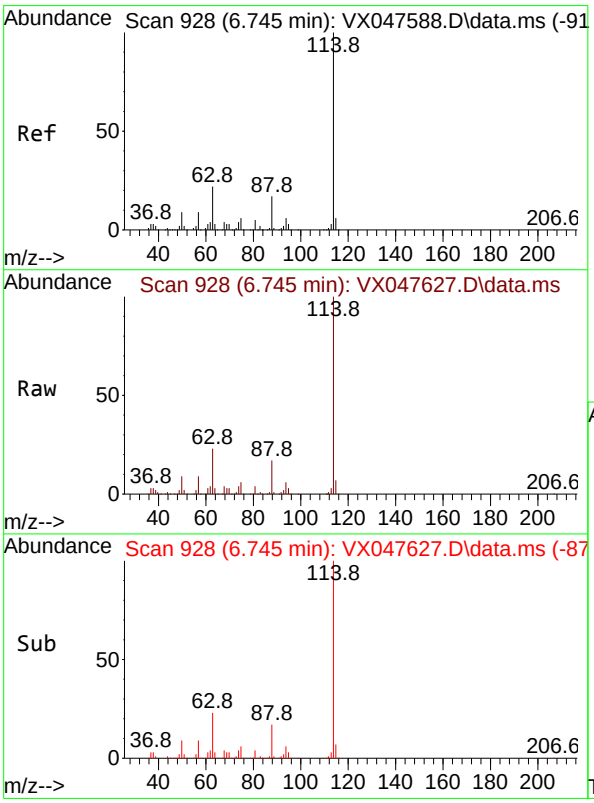
#33
1,2-Dichloroethane-d4
Concen: 51.955 ug/l
RT: 5.940 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX047627.D
Acq: 17 Sep 2025 18:19

Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MS

Tgt Ion: 65 Resp: 131950

Ion	Ratio	Lower	Upper
65	100		
67	51.8	0.0	103.0

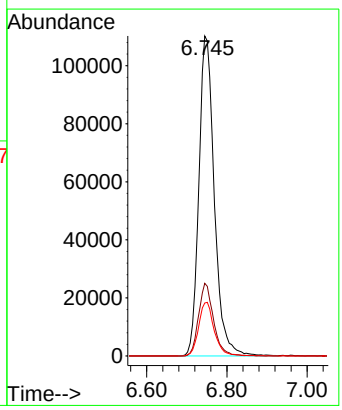


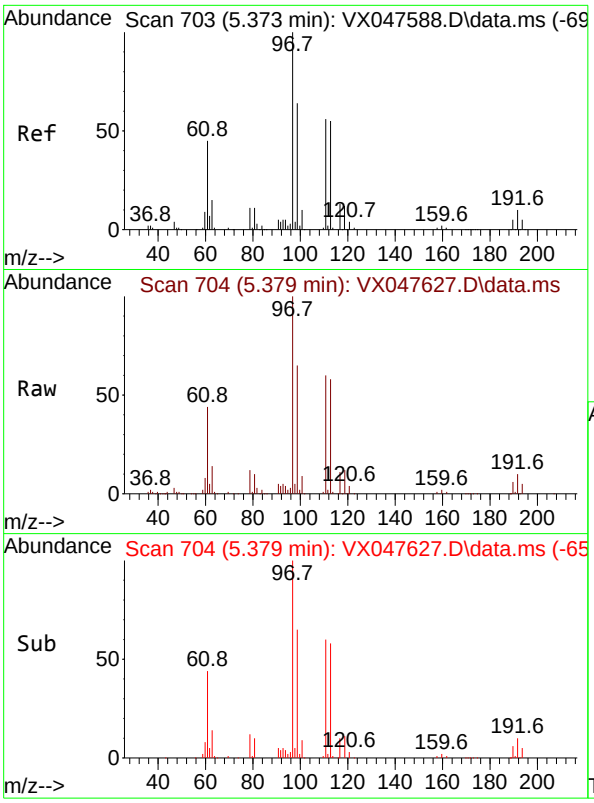


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 928
Delta R.T. 0.000 min
Lab File: VX047627.D
Acq: 17 Sep 2025 18:19

Tgt Ion:114 Resp: 295061

Ion	Ratio	Lower	Upper
114	100		
63	22.7	0.0	44.0
88	16.6	0.0	34.2



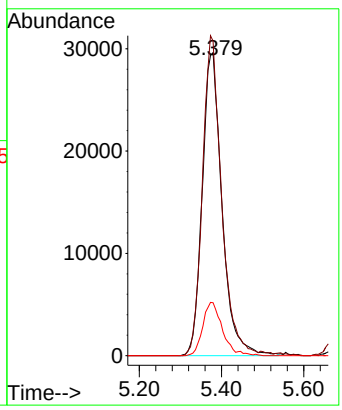


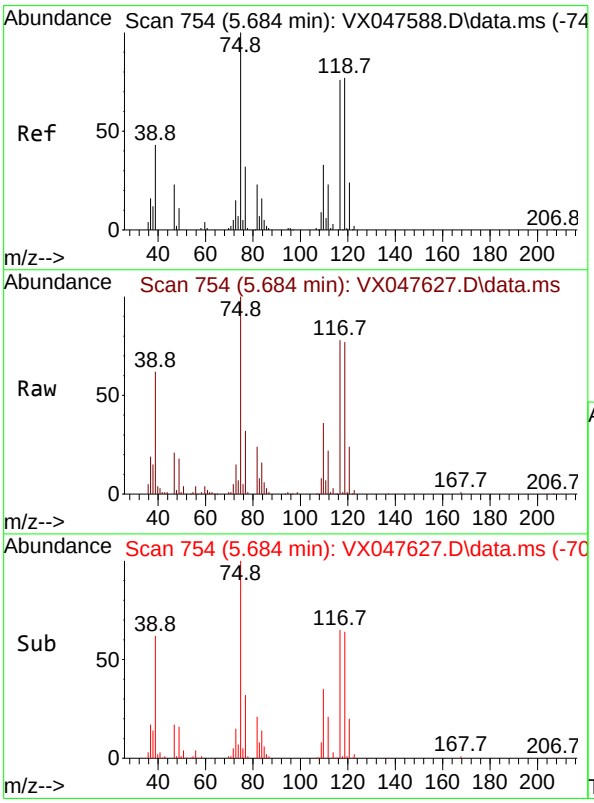
#35
Dibromofluoromethane
Concen: 50.050 ug/l
RT: 5.379 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047627.D
Acq: 17 Sep 2025 18:19

Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MS

Tgt Ion:113 Resp: 99040

Ion	Ratio	Lower	Upper
113	100		
111	101.6	80.9	121.3
192	17.4	14.2	21.4

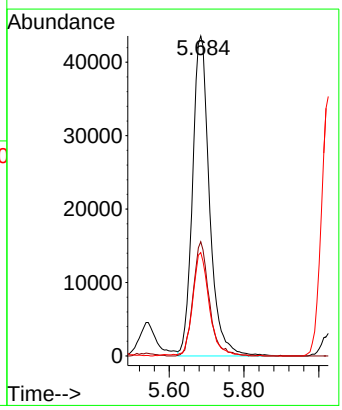


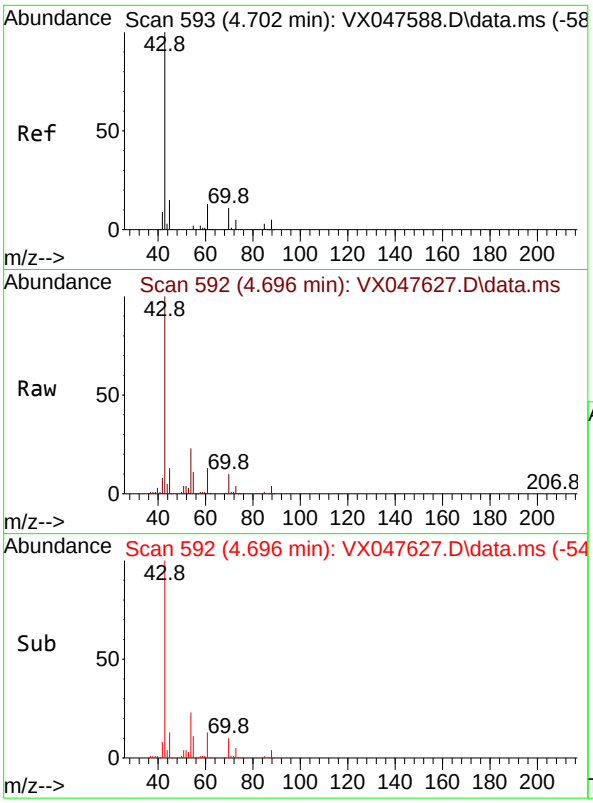


#36
1,1-Dichloropropene
Concen: 47.585 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.000 min
Lab File: VX047627.D
Acq: 17 Sep 2025 18:19

Tgt Ion: 75 Resp: 137596

Ion	Ratio	Lower	Upper
75	100		
110	33.8	16.7	50.1
77	31.6	24.3	36.5



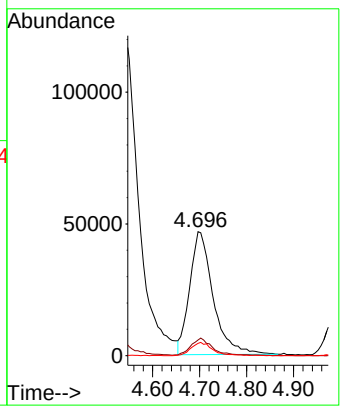


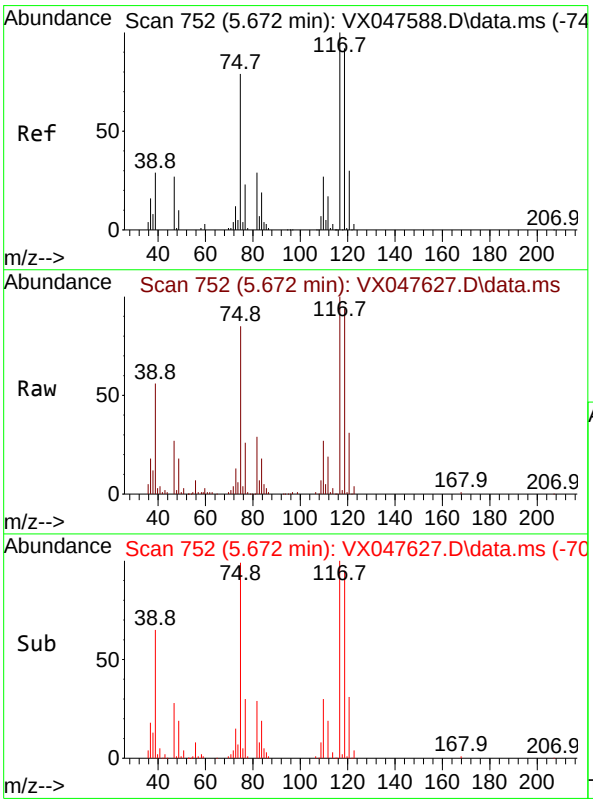
#37
Ethyl Acetate
Concen: 52.427 ug/l
RT: 4.696 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX047627.D
Acq: 17 Sep 2025 18:19

Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MS

Tgt Ion: 43 Resp: 162315

Ion	Ratio	Lower	Upper
43	100		
61	13.5	9.8	14.8
70	9.9	7.9	11.9

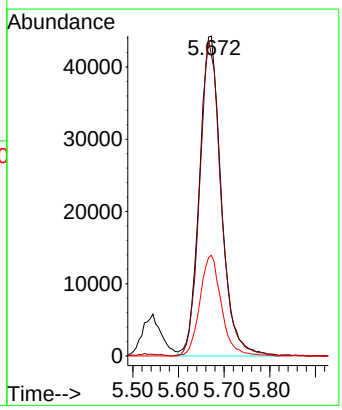


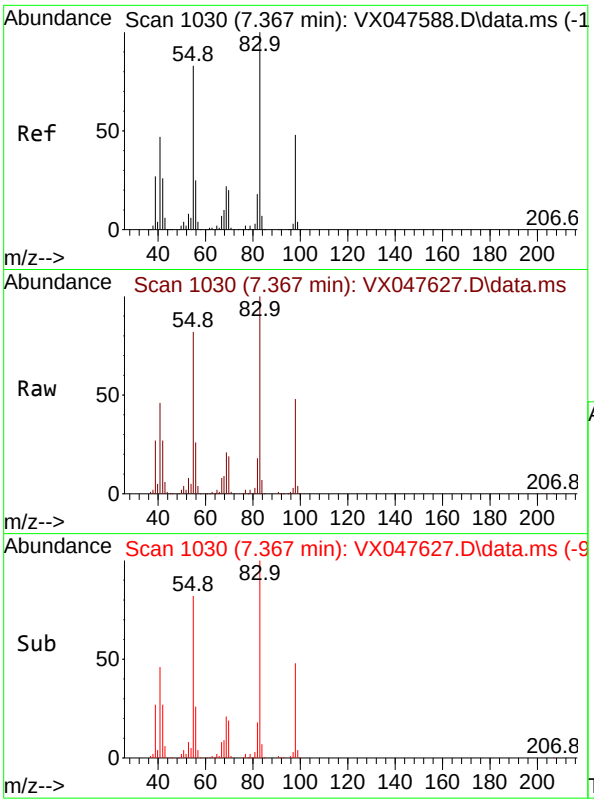


#38
Carbon Tetrachloride
Concen: 46.940 ug/l
RT: 5.672 min Scan# 752
Delta R.T. 0.000 min
Lab File: VX047627.D
Acq: 17 Sep 2025 18:19

Tgt Ion:117 Resp: 147471

Ion	Ratio	Lower	Upper
117	100		
119	93.9	73.4	110.2
121	31.5	23.8	35.6



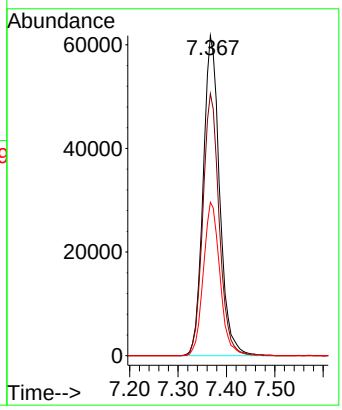


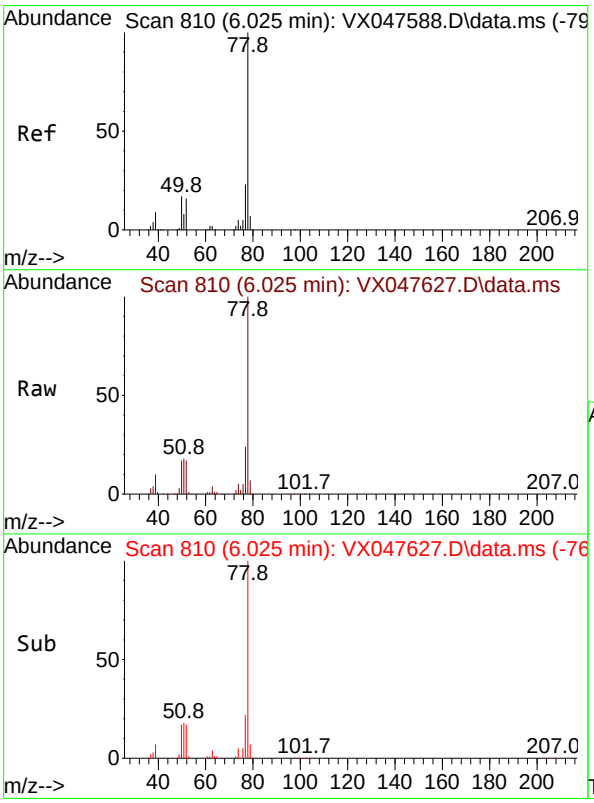
#39
Methylcyclohexane
Concen: 44.583 ug/l
RT: 7.367 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047627.D
Acq: 17 Sep 2025 18:19

Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MS

Tgt Ion: 83 Resp: 146335

Ion	Ratio	Lower	Upper
83	100		
55	81.8	66.4	99.6
98	47.9	38.1	57.1

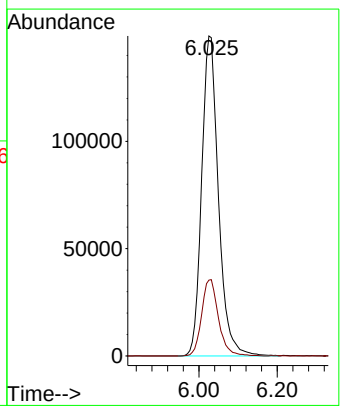


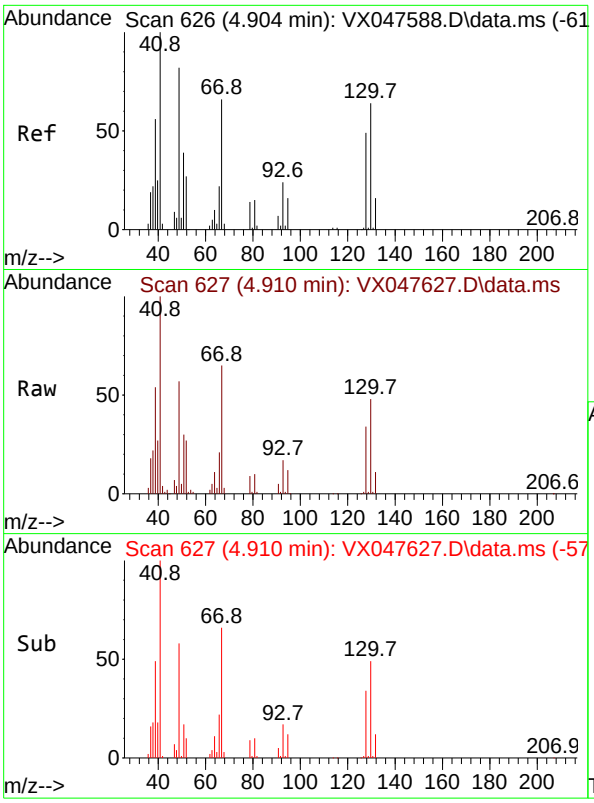


#40
Benzene
Concen: 50.326 ug/l
RT: 6.025 min Scan# 810
Delta R.T. 0.000 min
Lab File: VX047627.D
Acq: 17 Sep 2025 18:19

Tgt Ion: 78 Resp: 441979

Ion	Ratio	Lower	Upper
78	100		
77	23.7	18.8	28.2



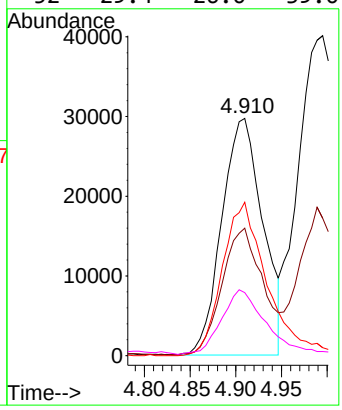


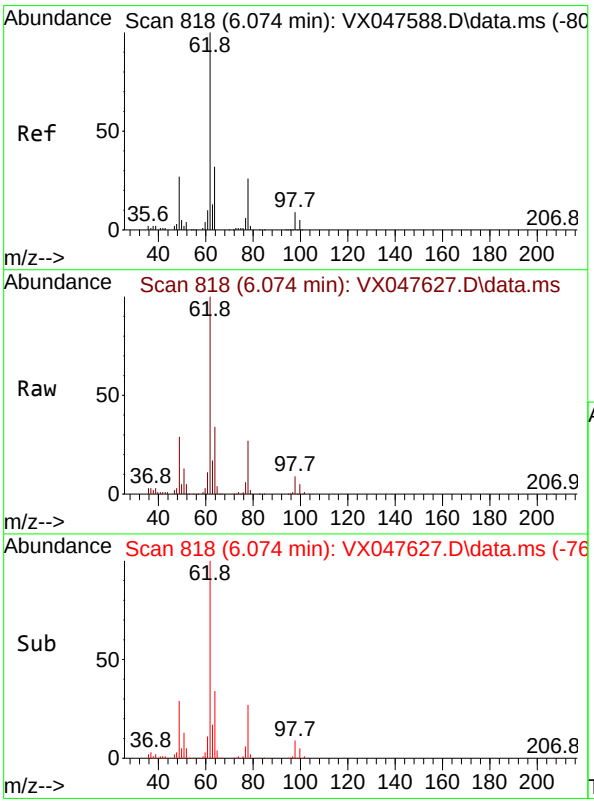
#41
Methacrylonitrile
Concen: 58.127 ug/l
RT: 4.910 min Scan# 6
Delta R.T. 0.006 min
Lab File: VX047627.D
Acq: 17 Sep 2025 18:19

Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MS

Tgt Ion: 41 Resp: 92906

Ion	Ratio	Lower	Upper
41	100		
39	53.0	43.3	64.9
67	72.9	58.6	87.8
52	29.4	26.0	39.0

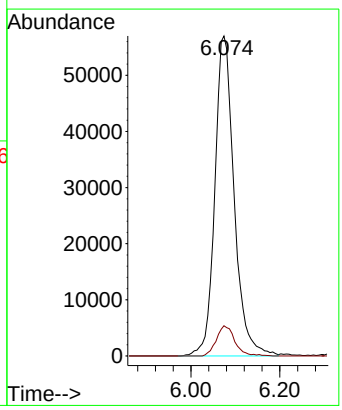


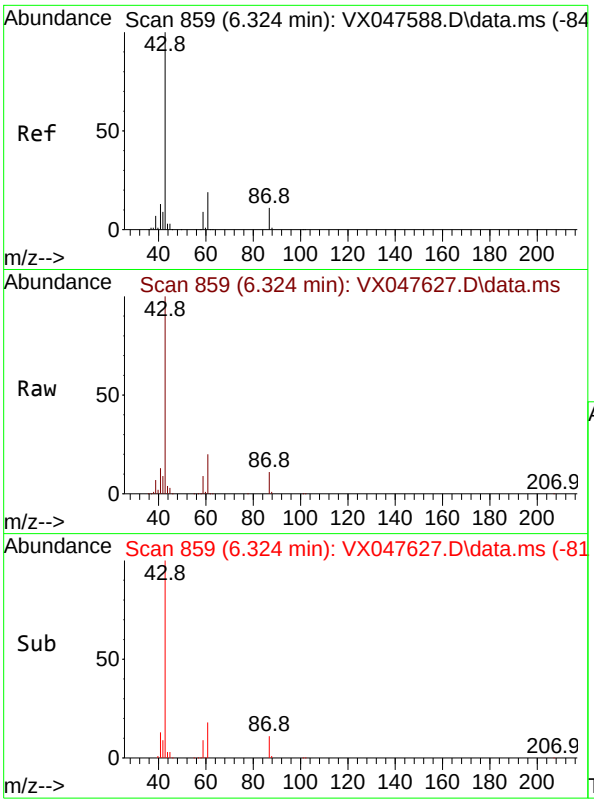


#42
1,2-Dichloroethane
Concen: 51.392 ug/l
RT: 6.074 min Scan# 818
Delta R.T. 0.000 min
Lab File: VX047627.D
Acq: 17 Sep 2025 18:19

Tgt Ion: 62 Resp: 171730

Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	17.0



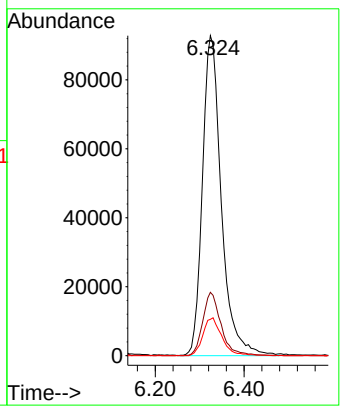


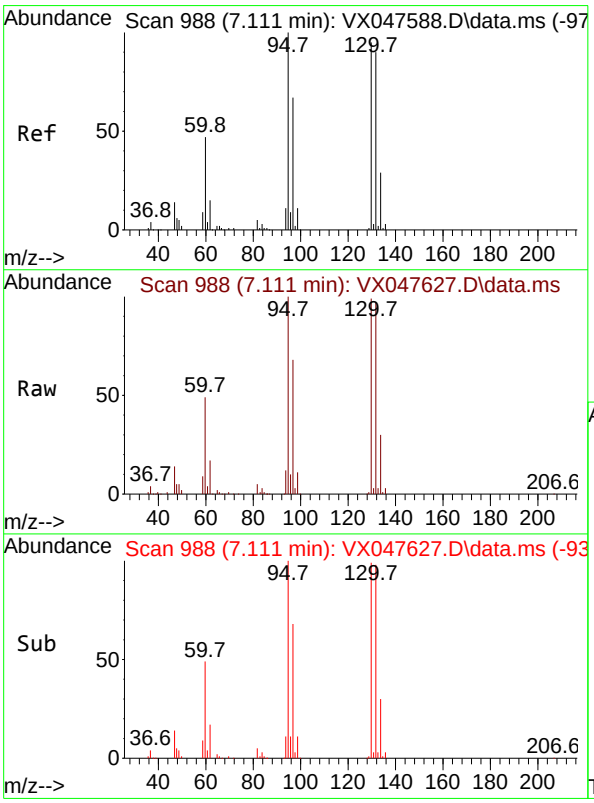
#43
Isopropyl Acetate
Concen: 54.235 ug/l
RT: 6.324 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX047627.D
Acq: 17 Sep 2025 18:19

Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MS

Tgt Ion: 43 Resp: 275390

Ion	Ratio	Lower	Upper
43	100		
61	19.2	15.2	22.8
87	11.9	9.6	14.4

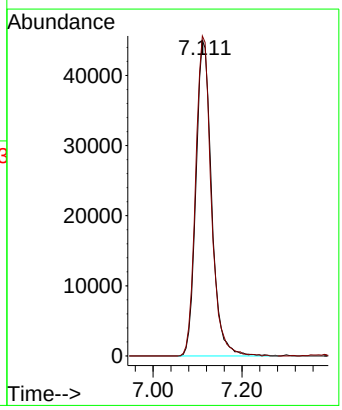


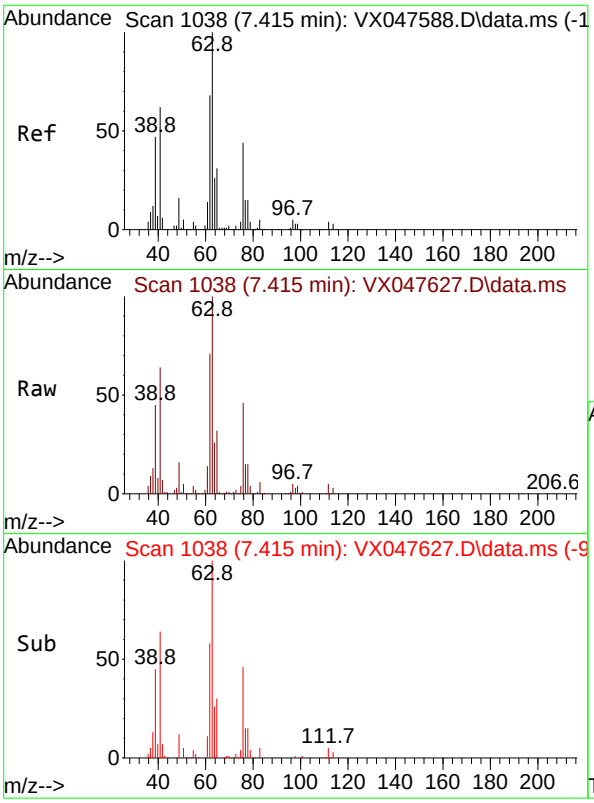


#44
Trichloroethene
Concen: 51.881 ug/l
RT: 7.111 min Scan# 988
Delta R.T. 0.000 min
Lab File: VX047627.D
Acq: 17 Sep 2025 18:19

Tgt Ion:130 Resp: 110156

Ion	Ratio	Lower	Upper
130	100		
95	101.5	0.0	210.8



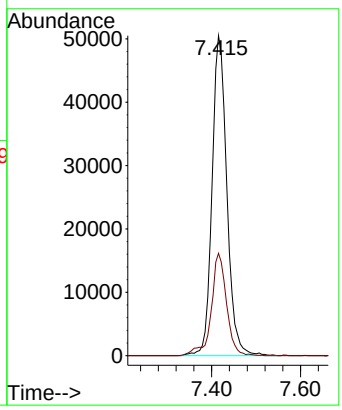


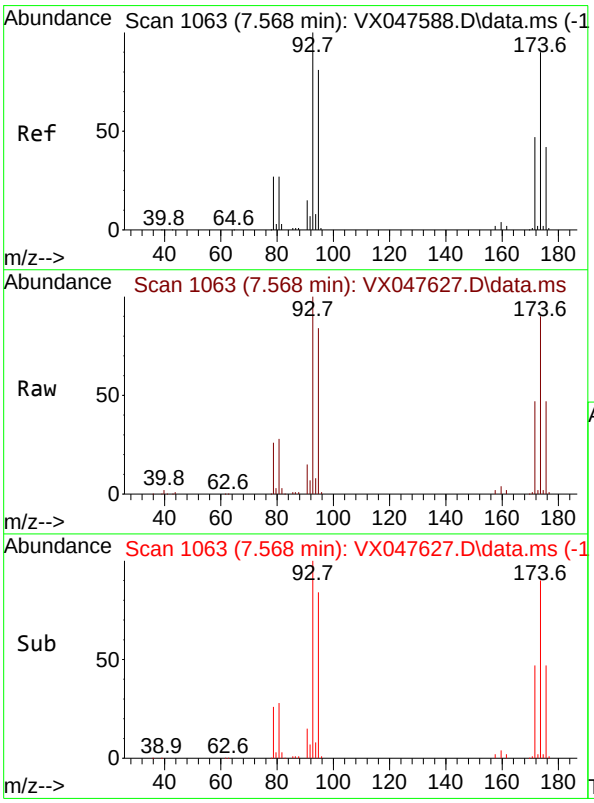
#45
1,2-Dichloropropane
Concen: 51.866 ug/l
RT: 7.415 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047627.D
Acq: 17 Sep 2025 18:19

Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MS

Tgt Ion: 63 Resp: 116638

Ion	Ratio	Lower	Upper
63	100		
65	32.0	24.7	37.1

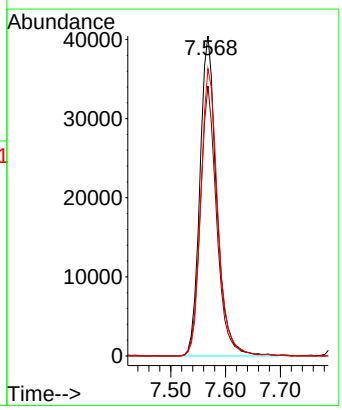


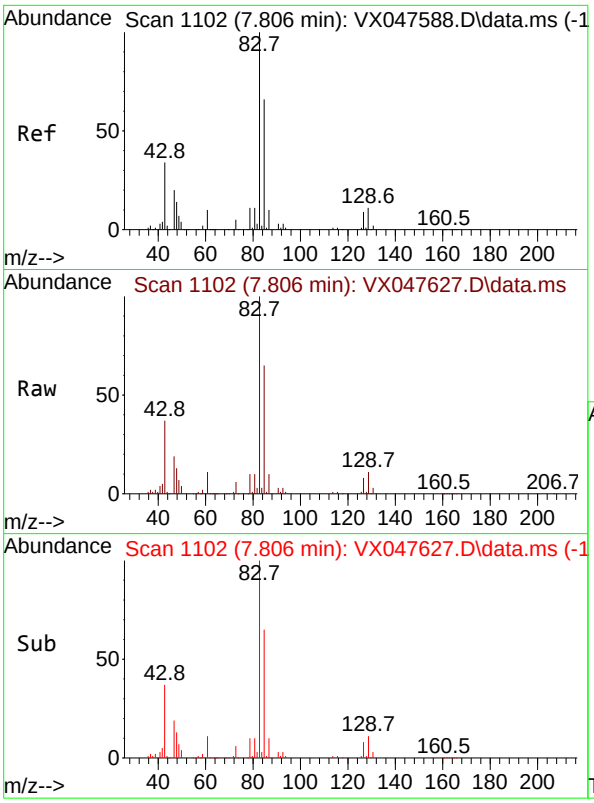


#46
Dibromomethane
Concen: 52.488 ug/l
RT: 7.568 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VX047627.D
Acq: 17 Sep 2025 18:19

Tgt Ion: 93 Resp: 85895

Ion	Ratio	Lower	Upper
93	100		
95	82.4	65.0	97.6
174	90.8	71.6	107.4



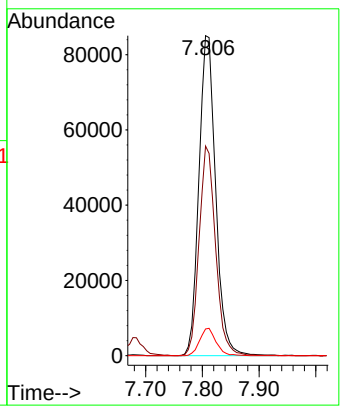


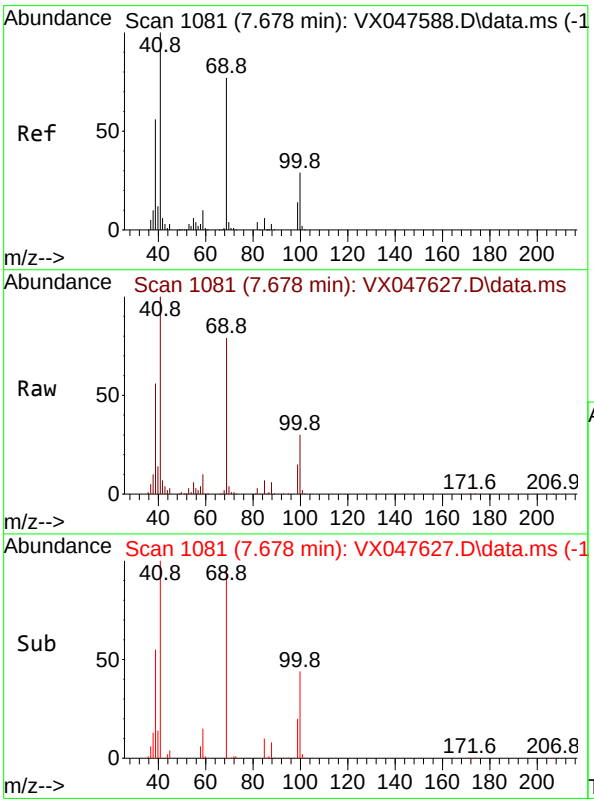
#47
Bromodichloromethane
Concen: 51.679 ug/l
RT: 7.806 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX047627.D
Acq: 17 Sep 2025 18:19

Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MS

Tgt Ion: 83 Resp: 174519

Ion	Ratio	Lower	Upper
83	100		
85	65.5	52.5	78.7
127	8.4	6.9	10.3

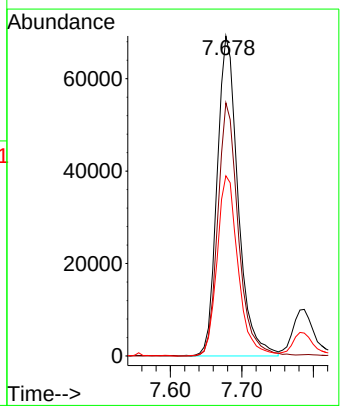


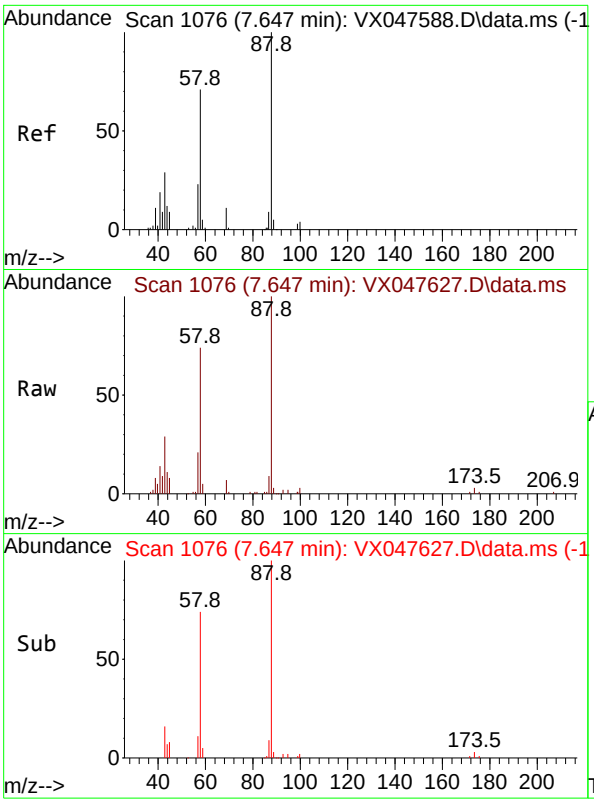


#48
Methyl methacrylate
Concen: 55.700 ug/l
RT: 7.678 min Scan# 1081
Delta R.T. 0.000 min
Lab File: VX047627.D
Acq: 17 Sep 2025 18:19

Tgt Ion: 41 Resp: 140879

Ion	Ratio	Lower	Upper
41	100		
69	77.5	61.4	92.2
39	56.6	45.8	68.6



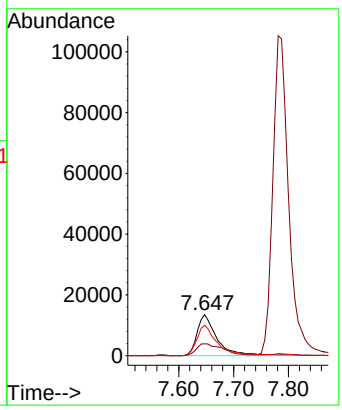


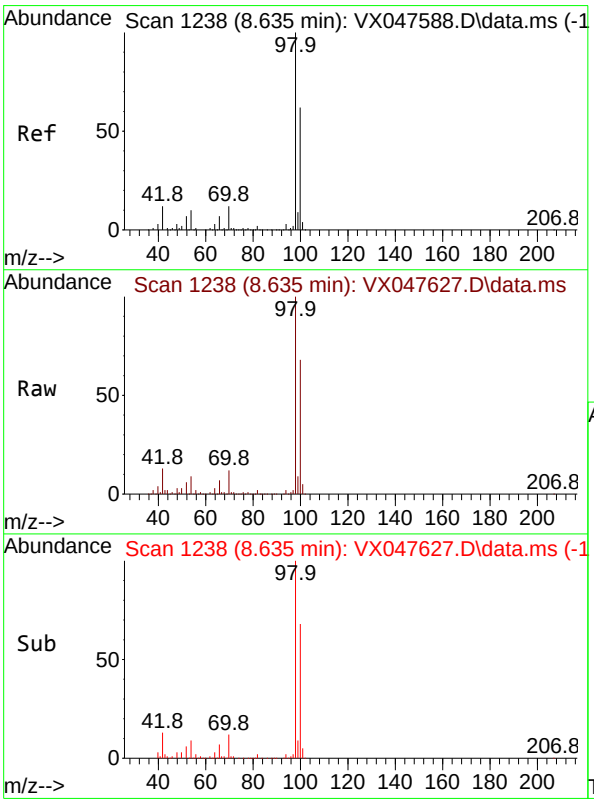
#49
1,4-Dioxane
Concen: 1327.269 ug/l
RT: 7.647 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047627.D
Acq: 17 Sep 2025 18:19

Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MS

Tgt Ion: 88 Resp: 33926

Ion	Ratio	Lower	Upper
88	100		
43	39.8	30.2	45.2
58	75.2	59.5	89.3

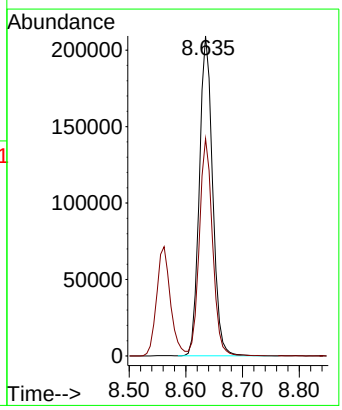


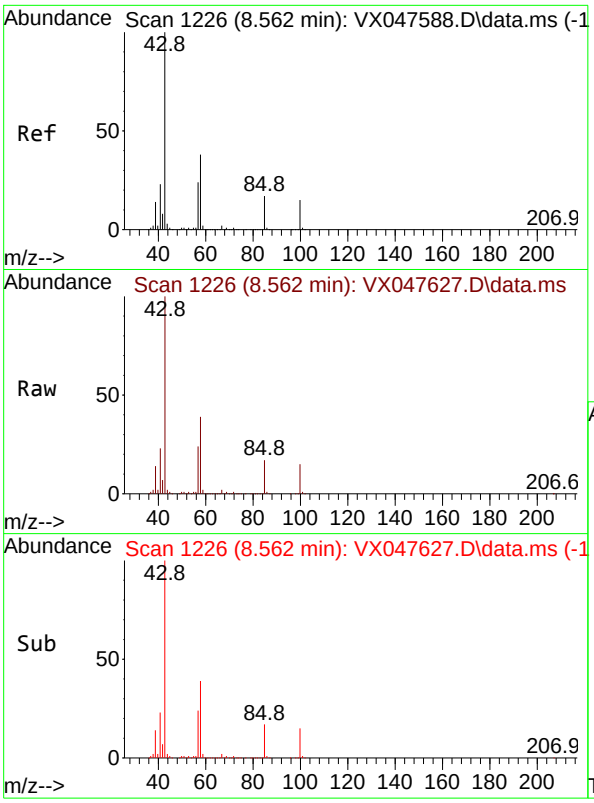


#50
Toluene-d8
Concen: 49.584 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. 0.000 min
Lab File: VX047627.D
Acq: 17 Sep 2025 18:19

Tgt Ion: 98 Resp: 339508

Ion	Ratio	Lower	Upper
98	100		
100	67.3	53.0	79.4



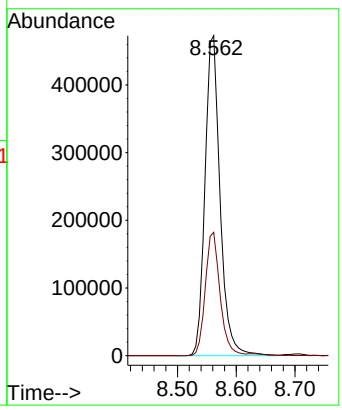


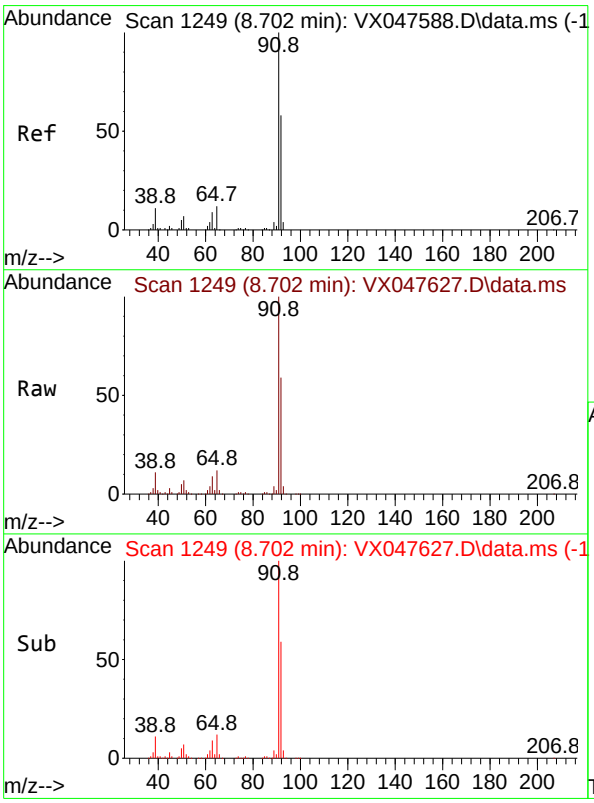
#51
4-Methyl-2-Pentanone
Concen: 299.390 ug/l
RT: 8.562 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047627.D
Acq: 17 Sep 2025 18:19

Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MS

Tgt Ion: 43 Resp: 842868

Ion	Ratio	Lower	Upper
43	100		
58	38.5	30.3	45.5

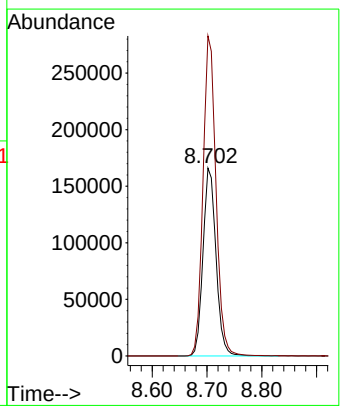


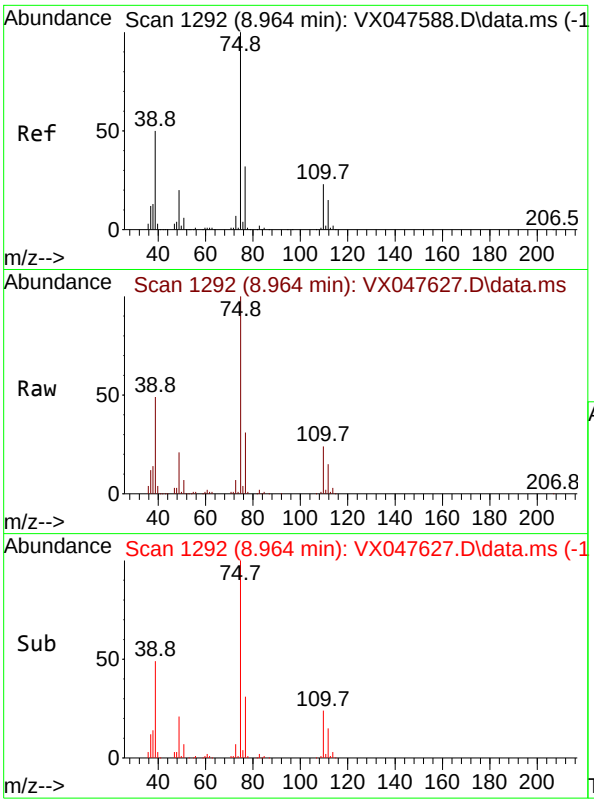


#52
Toluene
Concen: 50.424 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. 0.000 min
Lab File: VX047627.D
Acq: 17 Sep 2025 18:19

Tgt Ion: 92 Resp: 272836

Ion	Ratio	Lower	Upper
92	100		
91	169.6	137.1	205.7



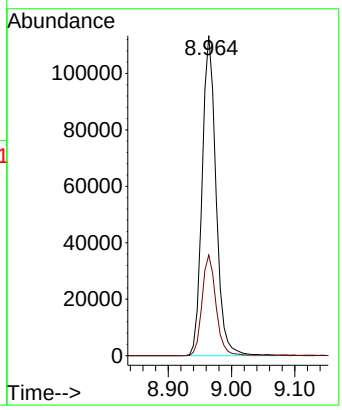


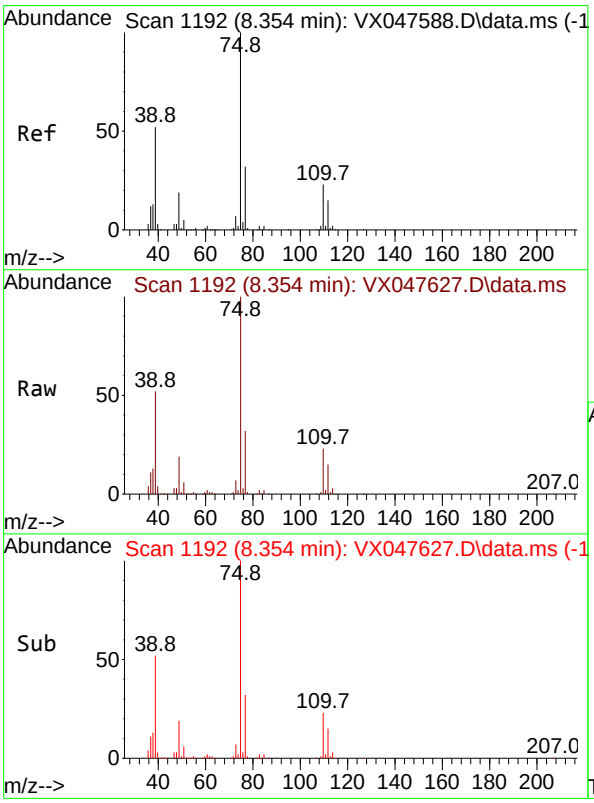
#53
t-1,3-Dichloropropene
Concen: 50.406 ug/l
RT: 8.964 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047627.D
Acq: 17 Sep 2025 18:19

Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MS

Tgt Ion: 75 Resp: 173625

Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.4	38.2

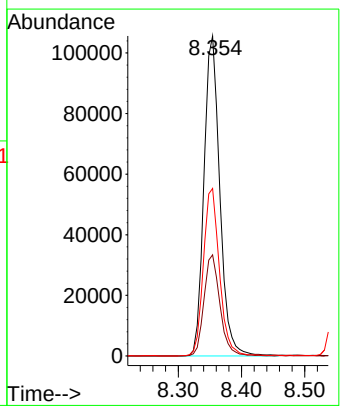


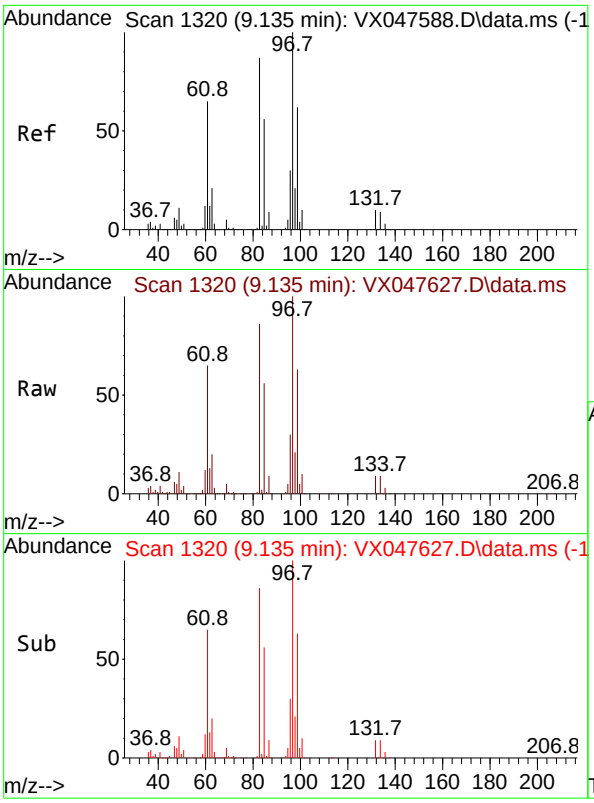


#54
cis-1,3-Dichloropropene
Concen: 50.114 ug/l
RT: 8.354 min Scan# 1192
Delta R.T. 0.000 min
Lab File: VX047627.D
Acq: 17 Sep 2025 18:19

Tgt Ion: 75 Resp: 184506

Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.8	38.6
39	51.6	41.4	62.2



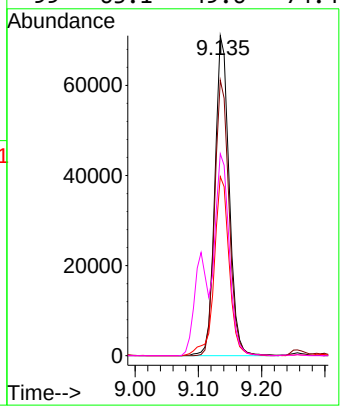


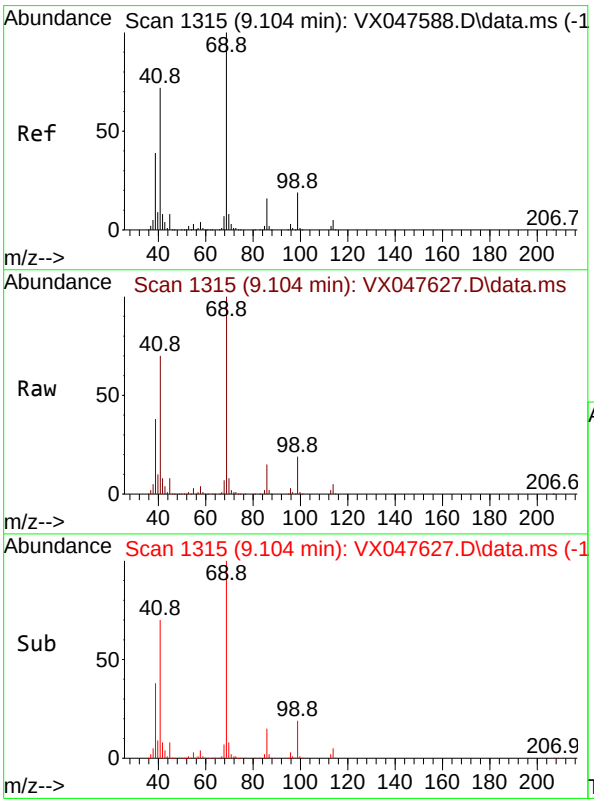
#55
1,1,2-Trichloroethane
Concen: 53.196 ug/l
RT: 9.135 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047627.D
Acq: 17 Sep 2025 18:19

Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MS

Tgt Ion: 97 Resp: 110987

Ion	Ratio	Lower	Upper
97	100		
83	86.1	69.6	104.4
85	55.9	45.0	67.6
99	63.1	49.6	74.4

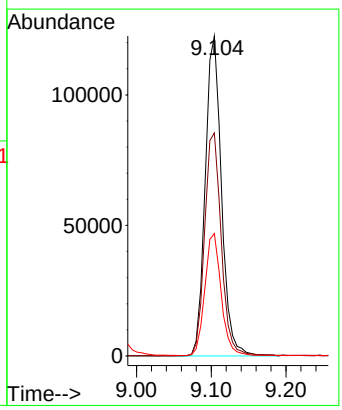


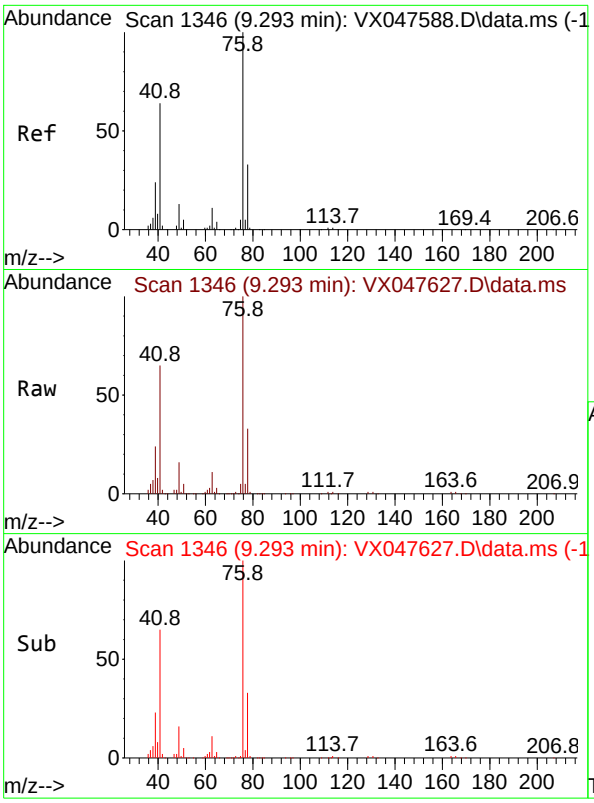


#56
Ethyl methacrylate
Concen: 56.544 ug/l
RT: 9.104 min Scan# 1315
Delta R.T. 0.000 min
Lab File: VX047627.D
Acq: 17 Sep 2025 18:19

Tgt Ion: 69 Resp: 185273

Ion	Ratio	Lower	Upper
69	100		
41	71.4	58.6	87.8
39	38.4	31.5	47.3



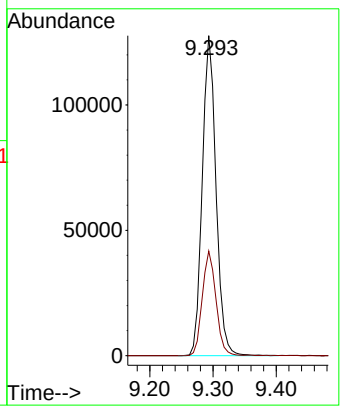


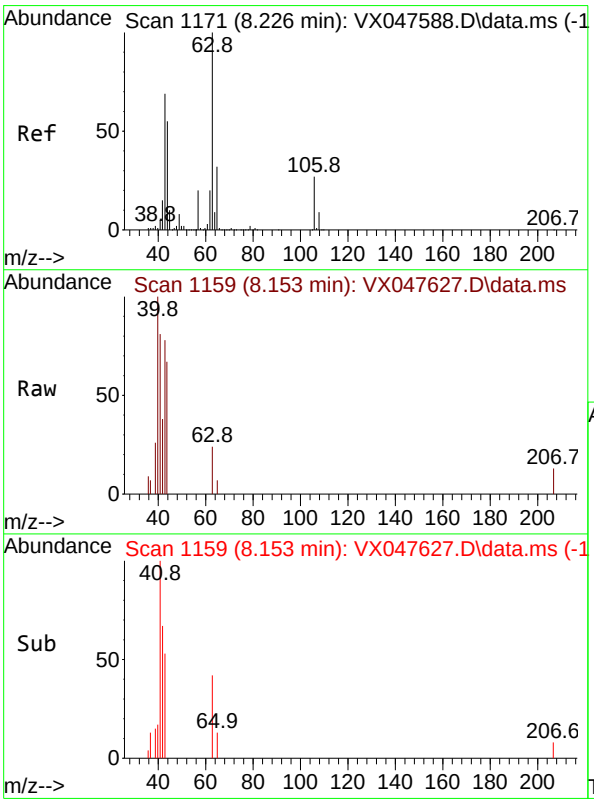
#57
1,3-Dichloropropane
Concen: 53.867 ug/l
RT: 9.293 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047627.D
Acq: 17 Sep 2025 18:19

Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MS

Tgt Ion: 76 Resp: 193063

Ion	Ratio	Lower	Upper
76	100		
78	32.7	26.2	39.4

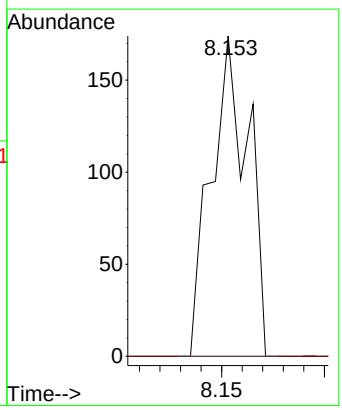


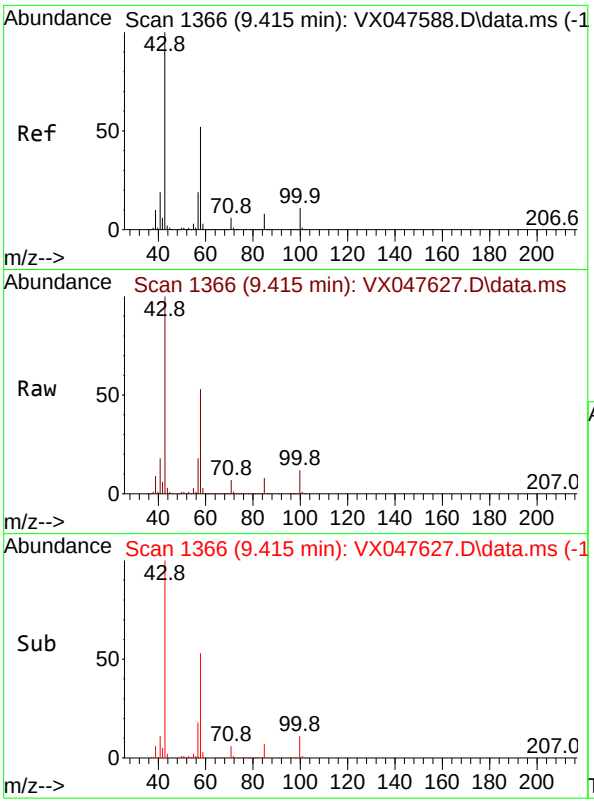


#58
2-Chloroethyl Vinyl ether
Concen: 8.032 ug/l
RT: 8.153 min Scan# 1159
Delta R.T. -0.073 min
Lab File: VX047627.D
Acq: 17 Sep 2025 18:19

Tgt Ion: 63 Resp: 218

Ion	Ratio	Lower	Upper
63	100		
106	0.0	21.9	32.9#



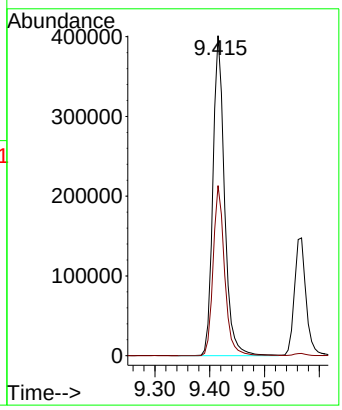


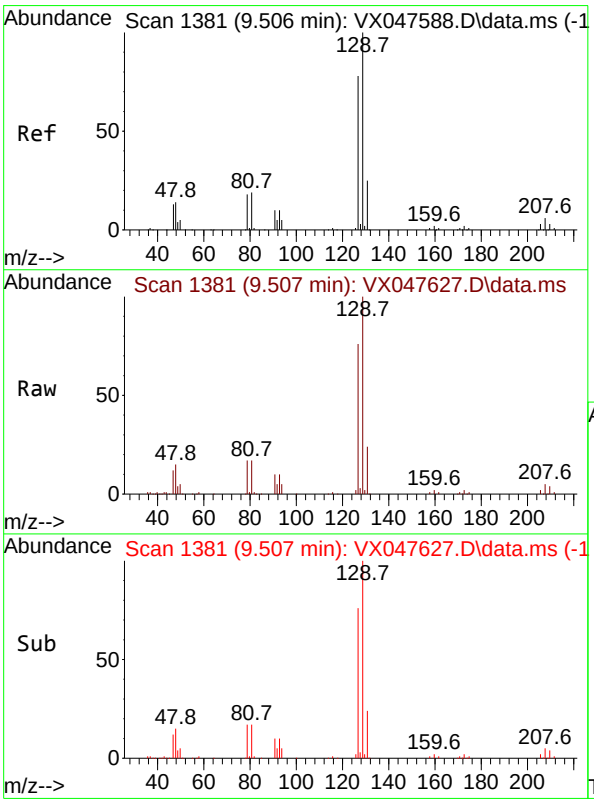
#59
2-Hexanone
Concen: 290.665 ug/l
RT: 9.415 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047627.D
Acq: 17 Sep 2025 18:19

Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MS

Tgt Ion: 43 Resp: 587710

Ion	Ratio	Lower	Upper
43	100		
58	52.6	26.1	78.2

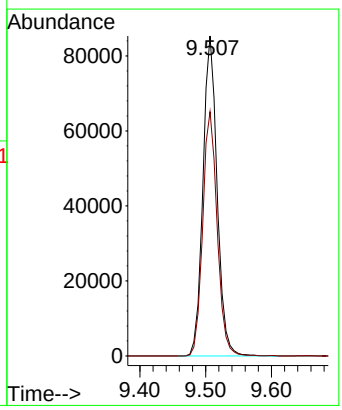


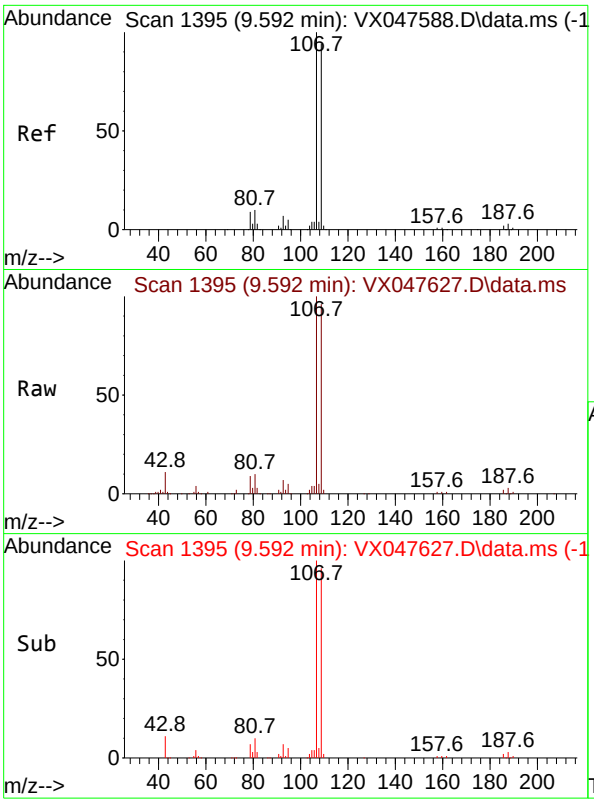


#60
Dibromochloromethane
Concen: 53.171 ug/l
RT: 9.507 min Scan# 1381
Delta R.T. 0.000 min
Lab File: VX047627.D
Acq: 17 Sep 2025 18:19

Tgt Ion:129 Resp: 127823

Ion	Ratio	Lower	Upper
129	100		
127	77.7	38.4	115.2



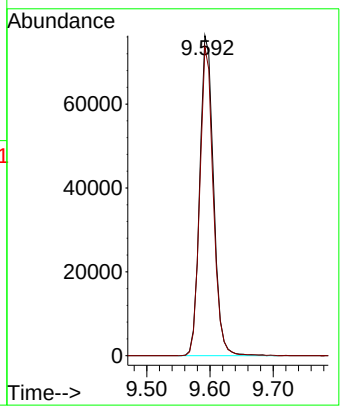


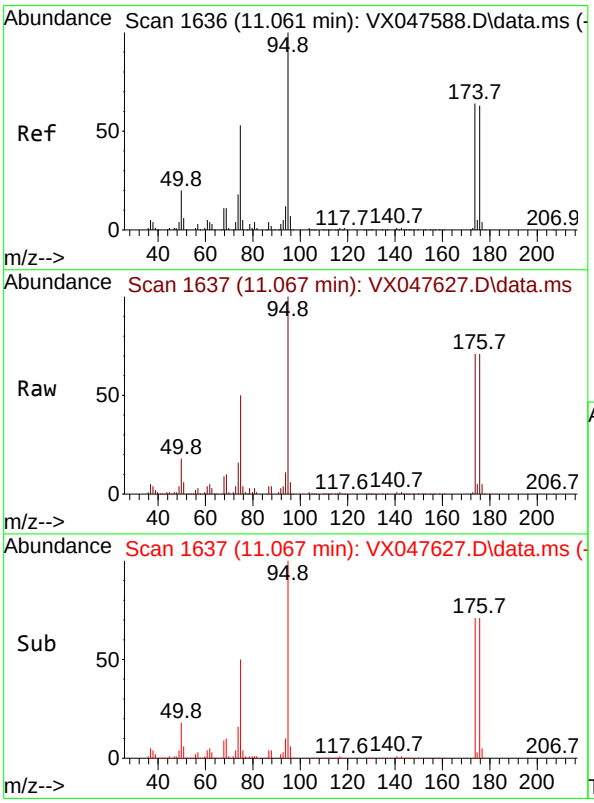
#61
1,2-Dibromoethane
Concen: 54.497 ug/l
RT: 9.592 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047627.D
Acq: 17 Sep 2025 18:19

Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MS

Tgt Ion:107 Resp: 115811

Ion	Ratio	Lower	Upper
107	100		
109	94.4	75.3	112.9

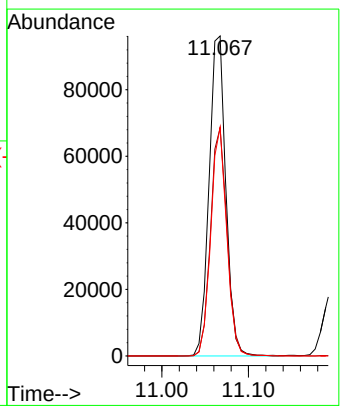


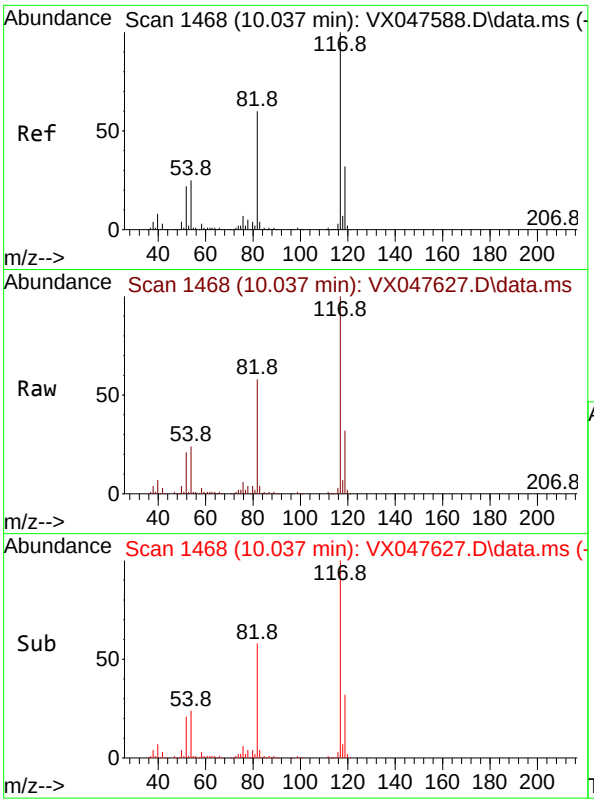


#62
4-Bromofluorobenzene
Concen: 49.620 ug/l
RT: 11.067 min Scan# 1637
Delta R.T. 0.006 min
Lab File: VX047627.D
Acq: 17 Sep 2025 18:19

Tgt Ion: 95 Resp: 128944

Ion	Ratio	Lower	Upper
95	100		
174	70.5	0.0	141.6
176	68.1	0.0	138.4



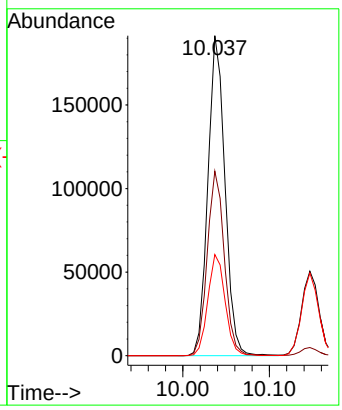


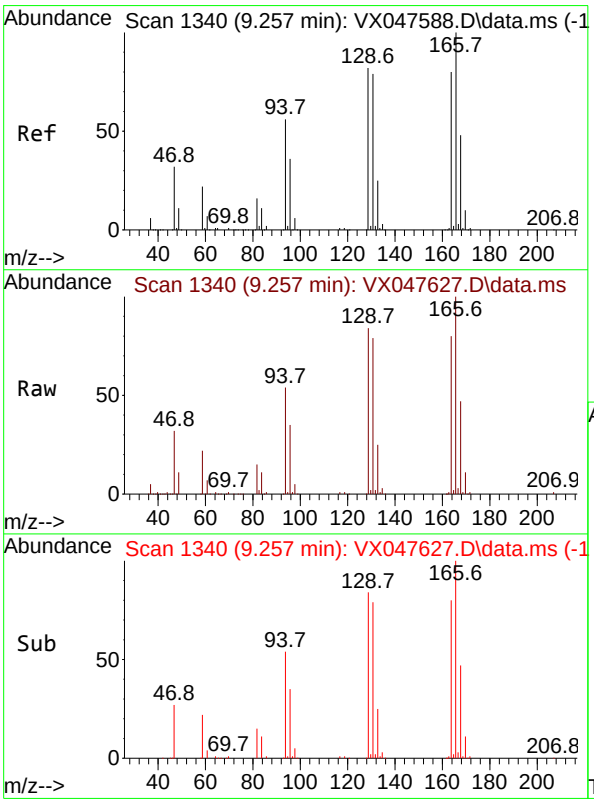
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047627.D
Acq: 17 Sep 2025 18:19

Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MS

Tgt Ion:117 Resp: 261981

Ion	Ratio	Lower	Upper
117	100		
82	57.6	47.8	71.6
119	31.6	25.2	37.8

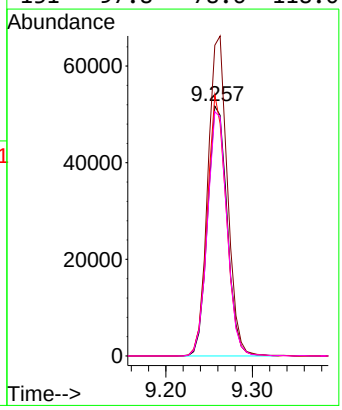


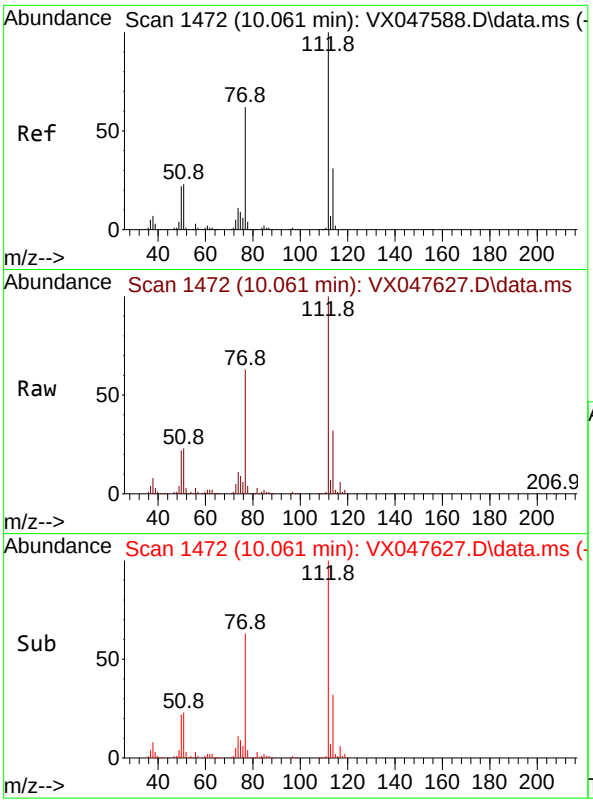


#64
Tetrachloroethene
Concen: 47.497 ug/l
RT: 9.257 min Scan# 1340
Delta R.T. 0.000 min
Lab File: VX047627.D
Acq: 17 Sep 2025 18:19

Tgt Ion:164 Resp: 81118

Ion	Ratio	Lower	Upper
164	100		
166	124.5	100.2	150.2
129	104.5	81.8	122.6
131	97.8	78.6	118.0



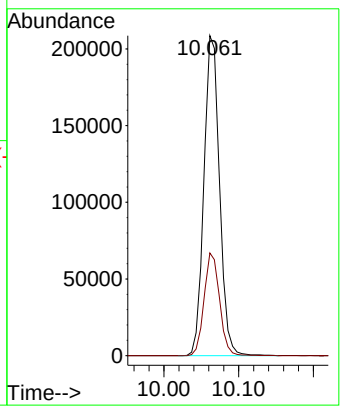


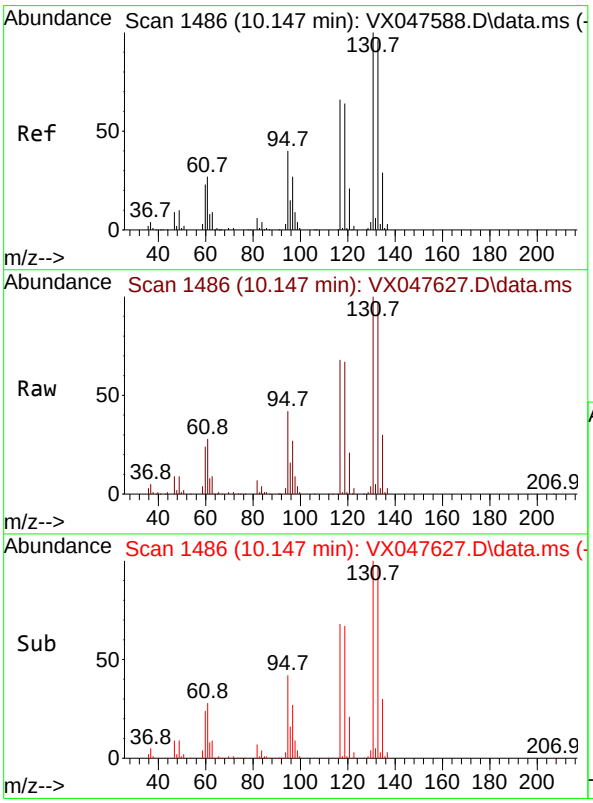
#65
Chlorobenzene
Concen: 50.781 ug/l
RT: 10.061 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047627.D
Acq: 17 Sep 2025 18:19

Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MS

Tgt Ion:112 Resp: 302235

Ion	Ratio	Lower	Upper
112	100		
114	32.1	25.1	37.7

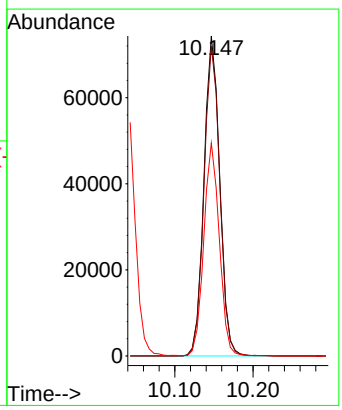


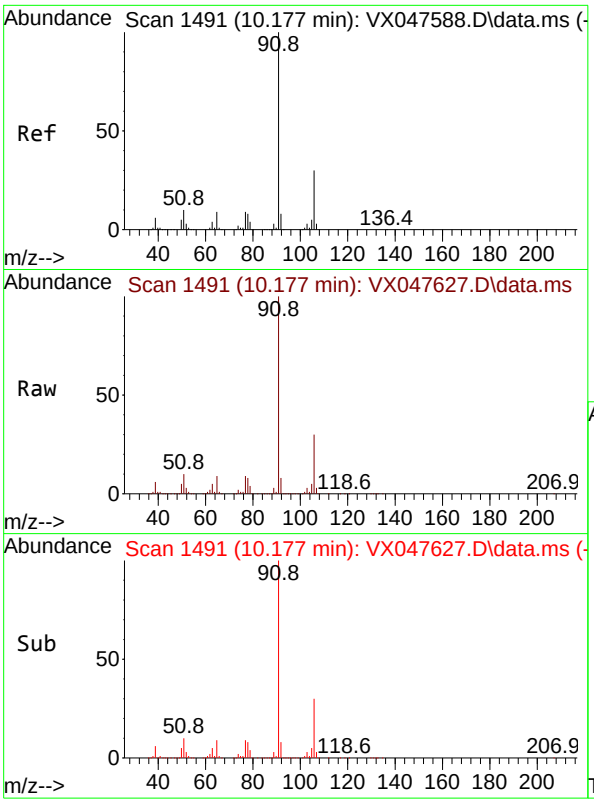


#66
1,1,1,2-Tetrachloroethane
Concen: 50.638 ug/l
RT: 10.147 min Scan# 1486
Delta R.T. 0.000 min
Lab File: VX047627.D
Acq: 17 Sep 2025 18:19

Tgt Ion:131 Resp: 103999

Ion	Ratio	Lower	Upper
131	100		
133	96.6	47.3	142.0
119	65.3	32.0	96.0



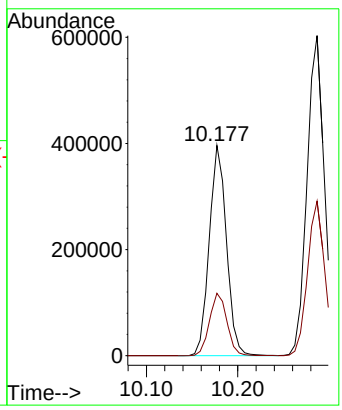


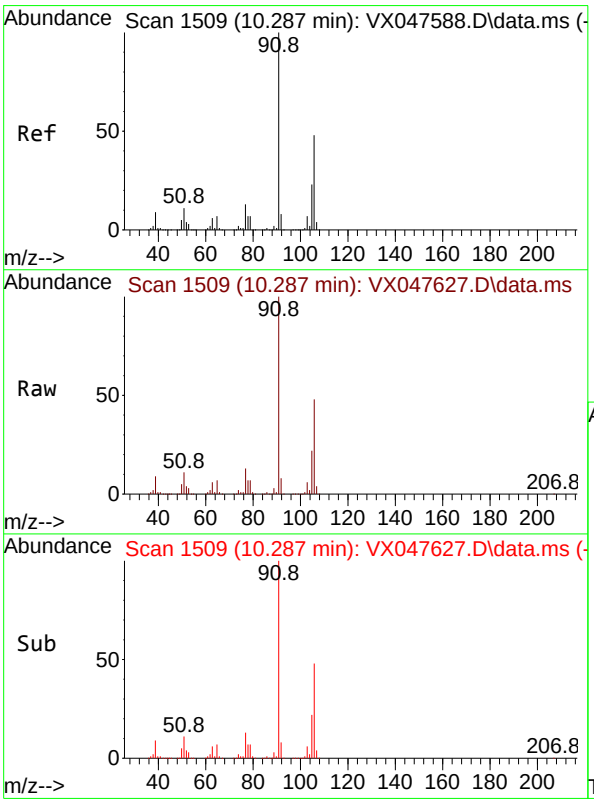
#67
Ethyl Benzene
Concen: 50.388 ug/l
RT: 10.177 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047627.D
Acq: 17 Sep 2025 18:19

Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MS

Tgt Ion: 91 Resp: 517450

Ion	Ratio	Lower	Upper
91	100		
106	29.7	24.3	36.5

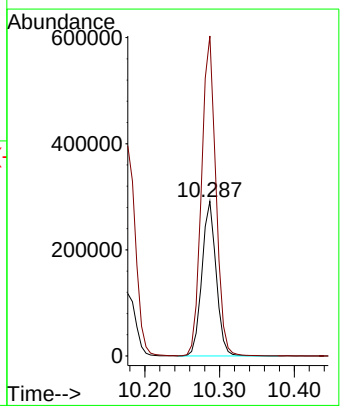


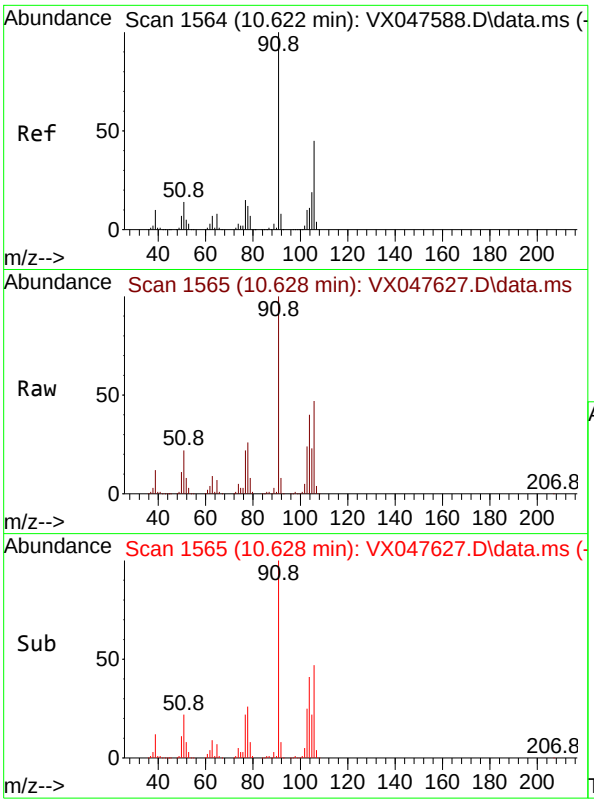


#68
m/p-Xylenes
Concen: 100.566 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. 0.000 min
Lab File: VX047627.D
Acq: 17 Sep 2025 18:19

Tgt Ion:106 Resp: 384391

Ion	Ratio	Lower	Upper
106	100		
91	209.7	167.8	251.8



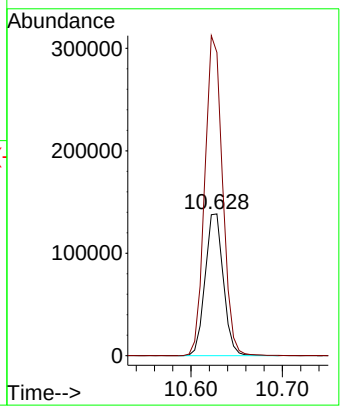


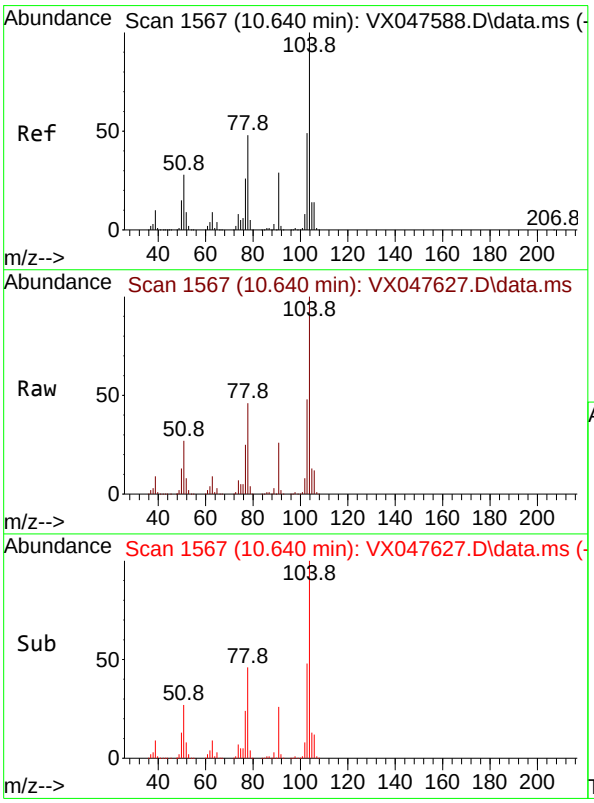
#69
o-Xylene
Concen: 51.706 ug/l
RT: 10.628 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047627.D
Acq: 17 Sep 2025 18:19

Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MS

Tgt Ion:106 Resp: 191158

Ion	Ratio	Lower	Upper
106	100		
91	220.2	111.1	333.4

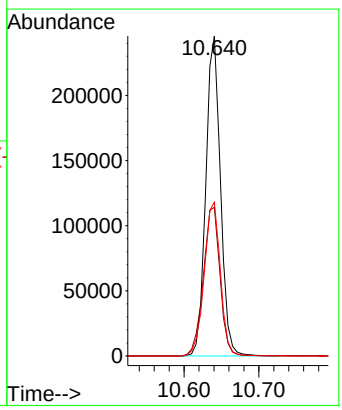


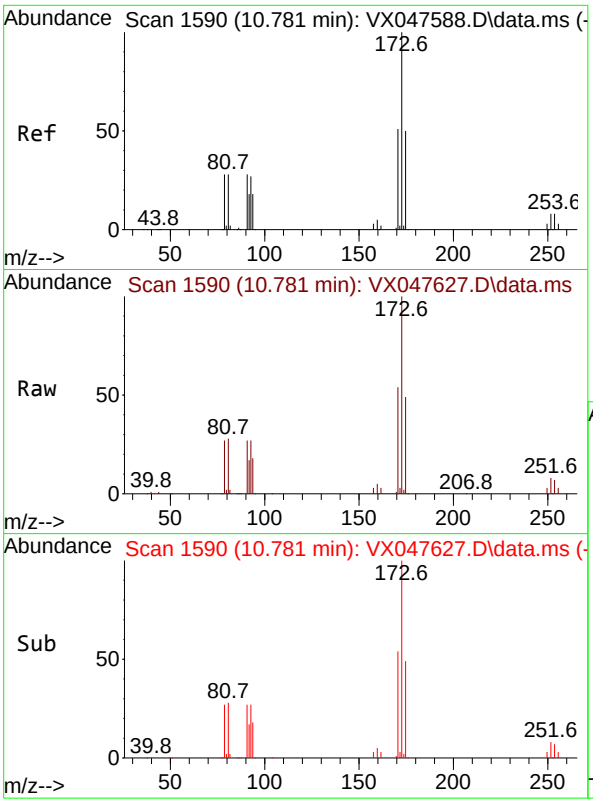


#70
Styrene
Concen: 51.742 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX047627.D
Acq: 17 Sep 2025 18:19

Tgt Ion:104 Resp: 335181

Ion	Ratio	Lower	Upper
104	100		
78	52.7	43.1	64.7
103	52.9	43.1	64.7



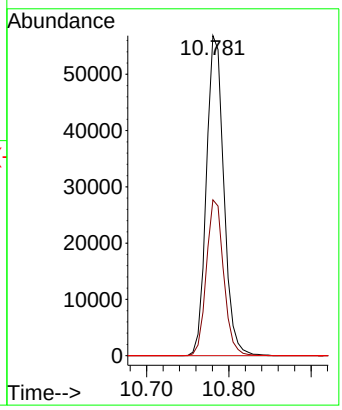


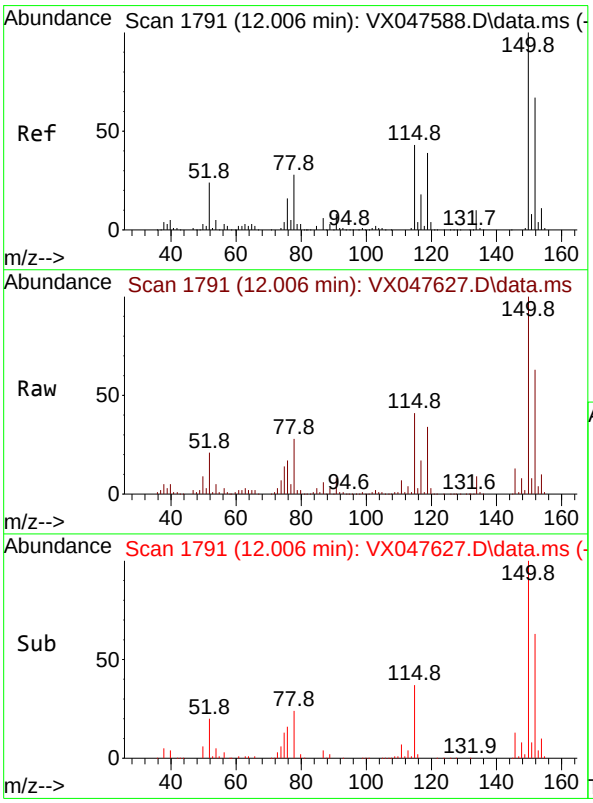
#71
Bromoform
Concen: 54.418 ug/l
RT: 10.781 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047627.D
Acq: 17 Sep 2025 18:19

Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MS

Tgt Ion:173 Resp: 83452

Ion	Ratio	Lower	Upper
173	100		
175	48.4	24.9	74.6
254	0.0	0.1	0.1#

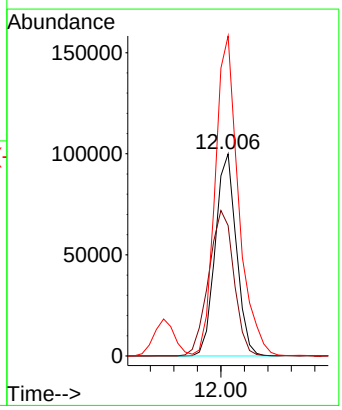


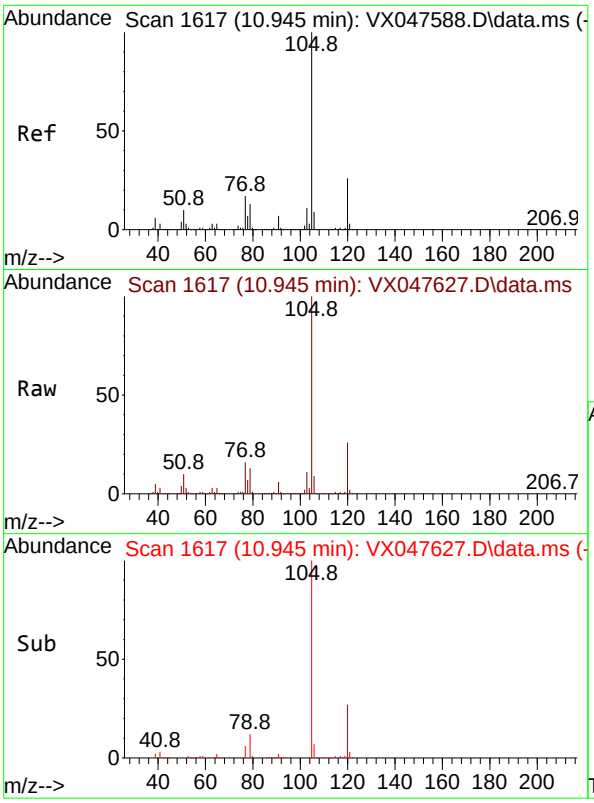


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX047627.D
Acq: 17 Sep 2025 18:19

Tgt Ion:152 Resp: 124680

Ion	Ratio	Lower	Upper
152	100		
115	86.3	44.9	134.5
150	174.6	0.0	352.0



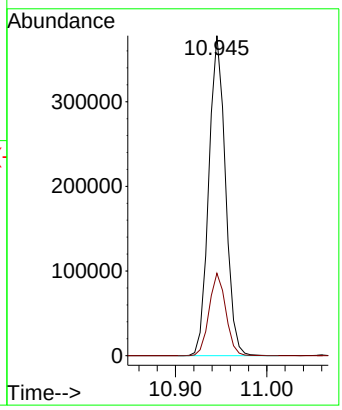


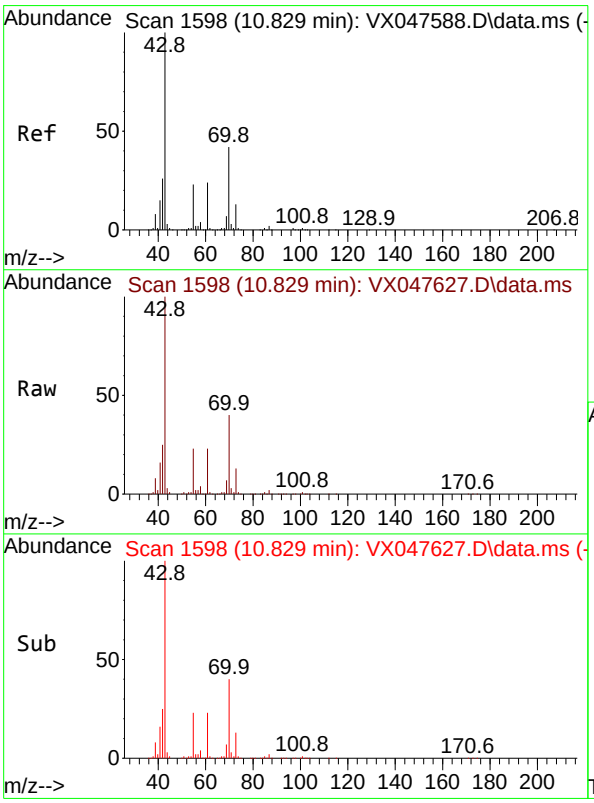
#73
Isopropylbenzene
Concen: 50.143 ug/l
RT: 10.945 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047627.D
Acq: 17 Sep 2025 18:19

Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MS

Tgt Ion:105 Resp: 475299

Ion	Ratio	Lower	Upper
105	100		
120	25.8	12.8	38.4

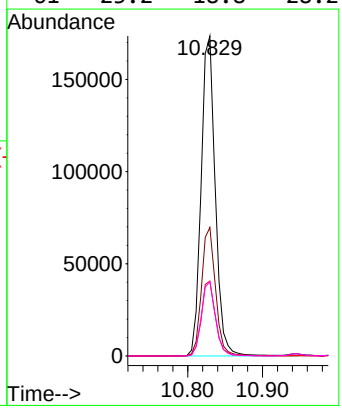


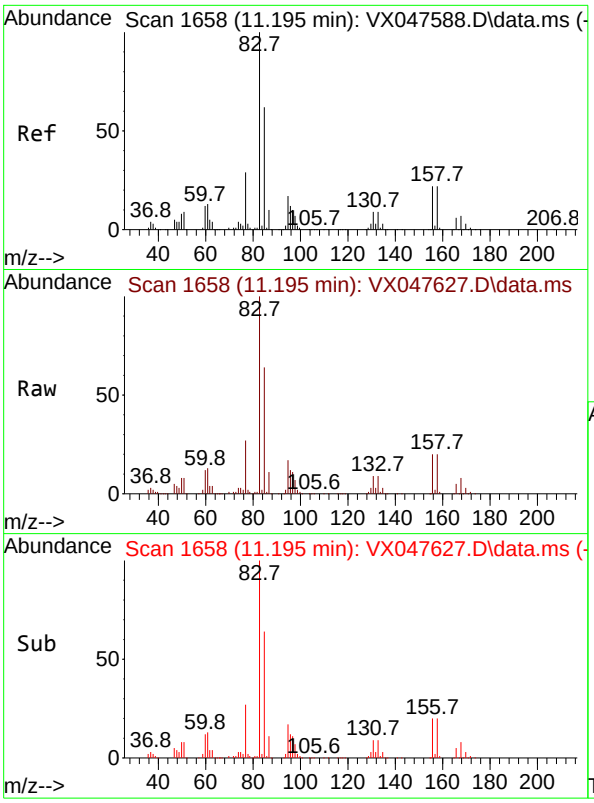


#74
N-amyl acetate
Concen: 52.719 ug/l
RT: 10.829 min Scan# 1598
Delta R.T. 0.000 min
Lab File: VX047627.D
Acq: 17 Sep 2025 18:19

Tgt Ion: 43 Resp: 227882

Ion	Ratio	Lower	Upper
43	100		
70	39.7	32.0	48.0
55	23.5	18.9	28.3
61	23.2	18.8	28.2



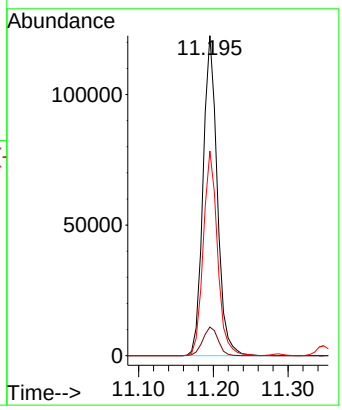


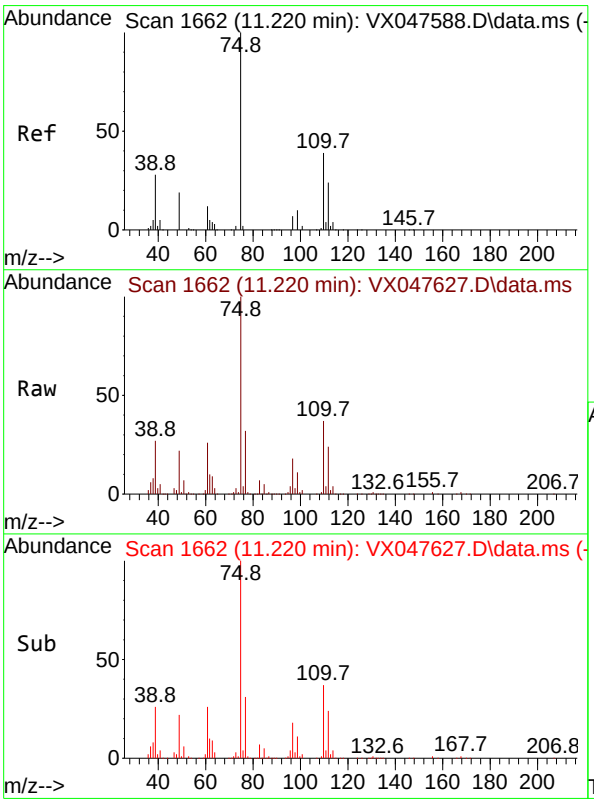
#75
1,1,2,2-Tetrachloroethane
Concen: 56.299 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047627.D
Acq: 17 Sep 2025 18:19

Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MS

Tgt Ion: 83 Resp: 161458

Ion	Ratio	Lower	Upper
83	100		
131	9.7	5.0	14.9
85	64.1	31.6	95.0

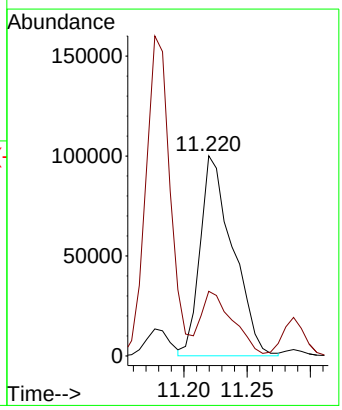


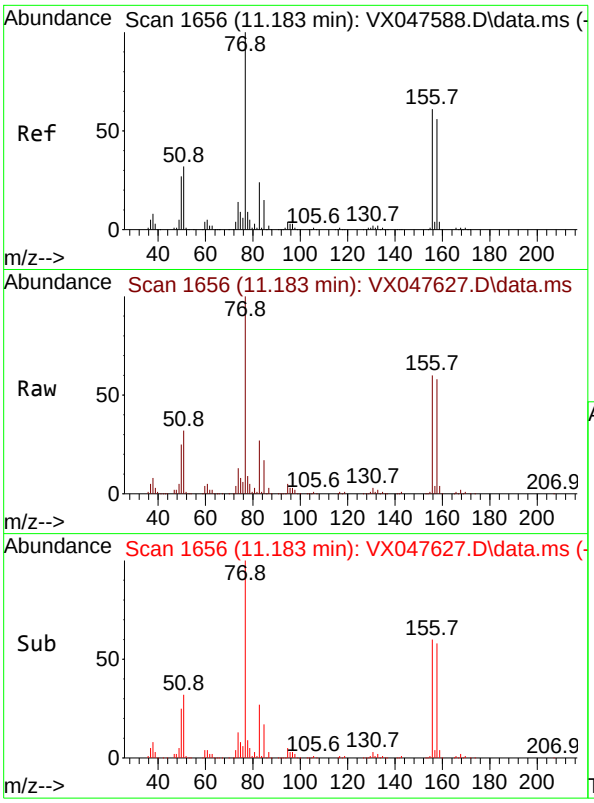


#76
1,2,3-Trichloropropane
Concen: 71.226 ug/l
RT: 11.220 min Scan# 1662
Delta R.T. 0.000 min
Lab File: VX047627.D
Acq: 17 Sep 2025 18:19

Tgt Ion: 75 Resp: 179801

Ion	Ratio	Lower	Upper
75	100		
77	30.8	18.8	56.4



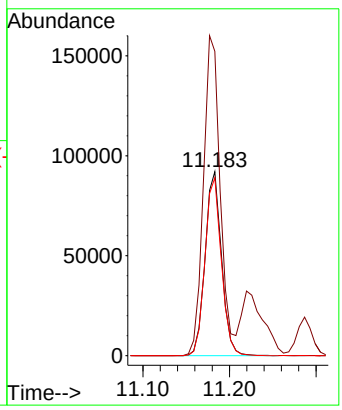


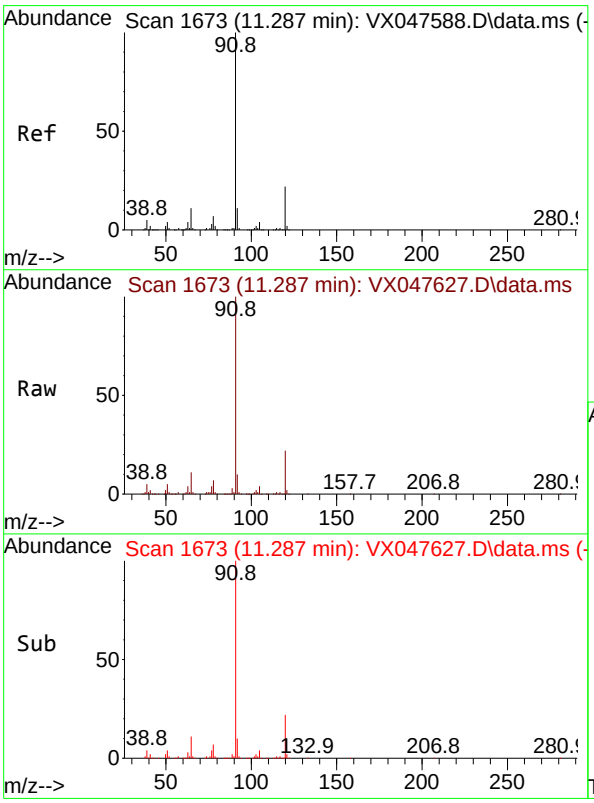
#77
Bromobenzene
Concen: 51.822 ug/l
RT: 11.183 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047627.D
Acq: 17 Sep 2025 18:19

Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MS

Tgt Ion:156 Resp: 120985

Ion	Ratio	Lower	Upper
156	100		
77	178.5	89.7	269.1
158	96.9	47.9	143.6

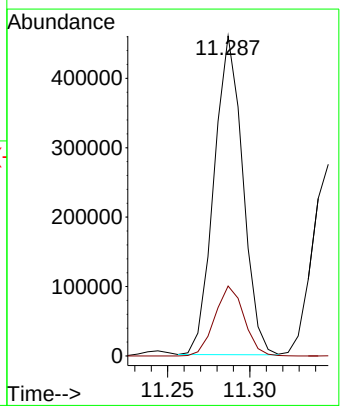


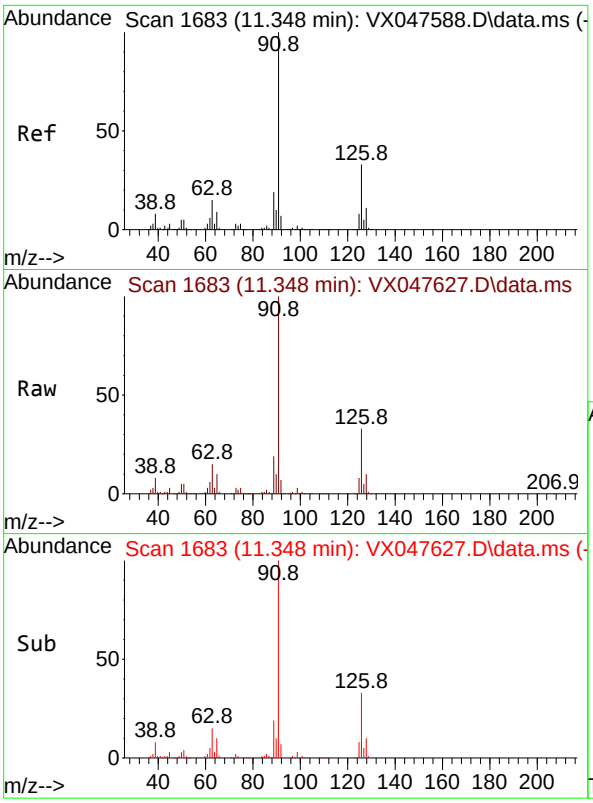


#78
n-propylbenzene
Concen: 49.919 ug/l
RT: 11.287 min Scan# 1673
Delta R.T. 0.000 min
Lab File: VX047627.D
Acq: 17 Sep 2025 18:19

Tgt Ion: 91 Resp: 559362

Ion	Ratio	Lower	Upper
91	100		
120	22.3	11.1	33.1



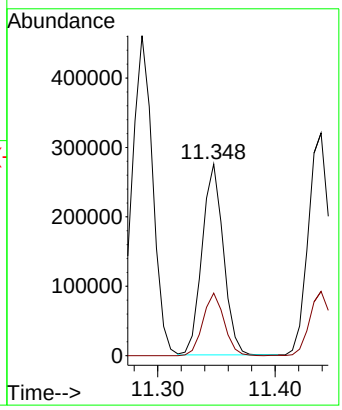


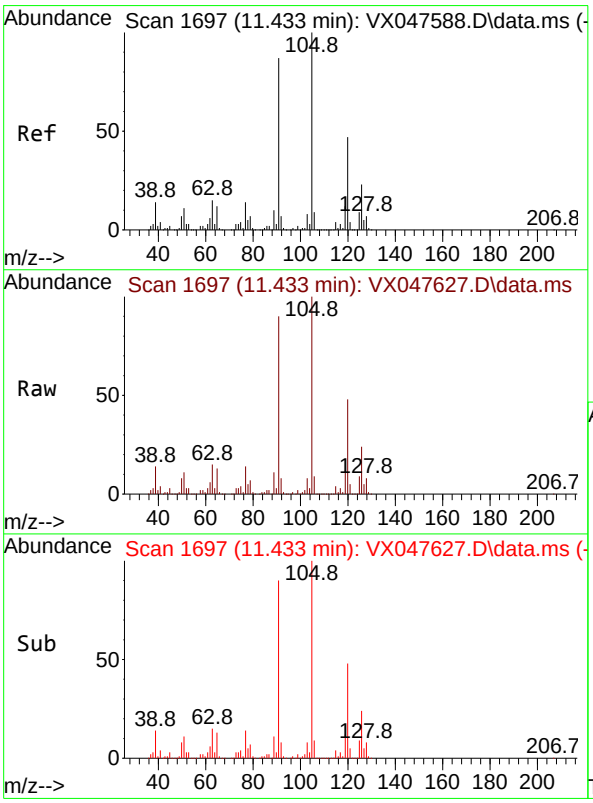
#79
2-Chlorotoluene
Concen: 50.524 ug/l
RT: 11.348 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047627.D
Acq: 17 Sep 2025 18:19

Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MS

Tgt Ion: 91 Resp: 346749

Ion	Ratio	Lower	Upper
91	100		
126	32.6	16.1	48.3

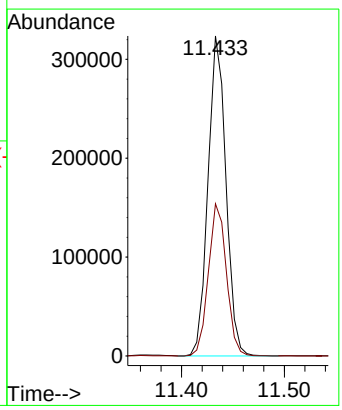


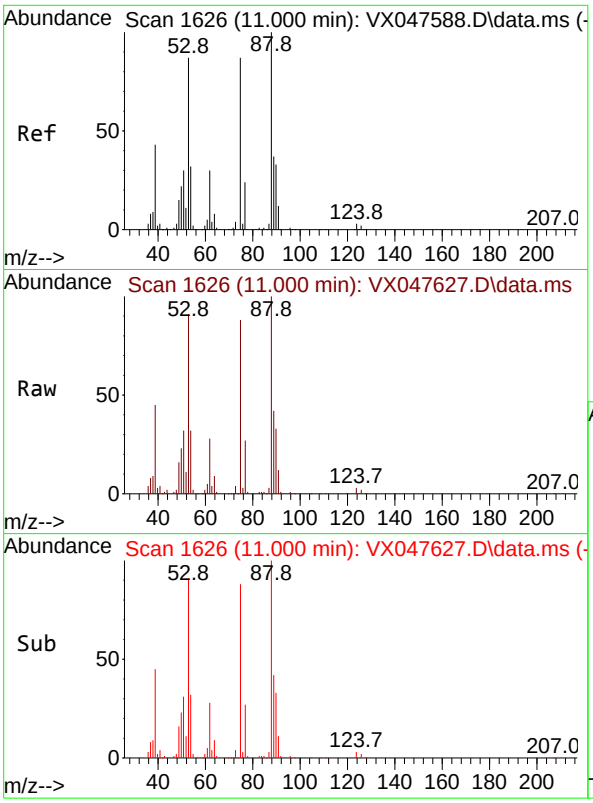


#80
1,3,5-Trimethylbenzene
Concen: 50.225 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. 0.000 min
Lab File: VX047627.D
Acq: 17 Sep 2025 18:19

Tgt Ion:105 Resp: 391142

Ion	Ratio	Lower	Upper
105	100		
120	48.0	23.6	70.8



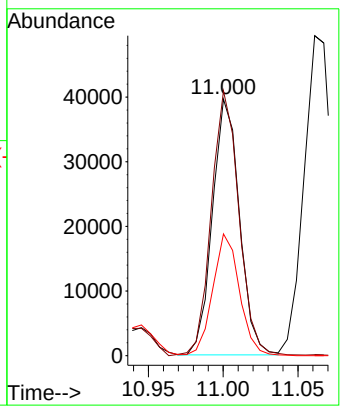


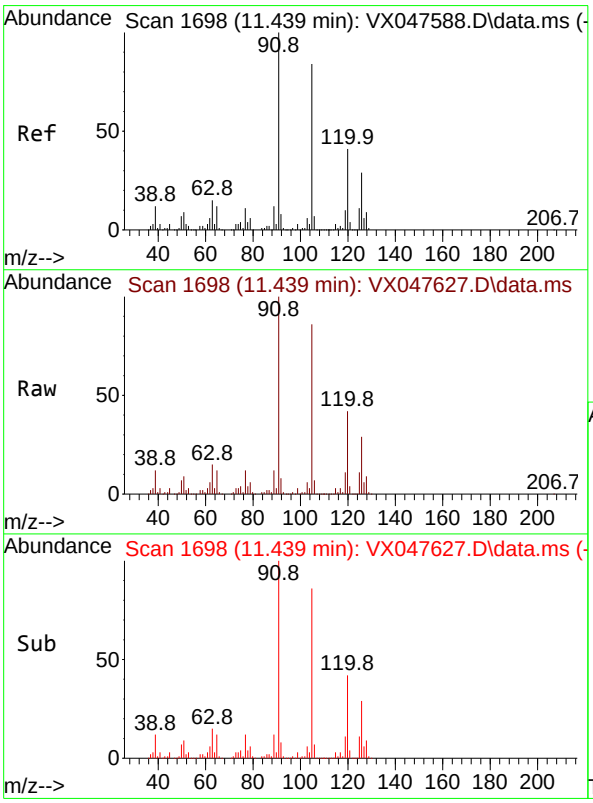
#81
trans-1,4-Dichloro-2-butene
Concen: 50.230 ug/l
RT: 11.000 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047627.D
Acq: 17 Sep 2025 18:19

Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MS

Tgt Ion: 75 Resp: 49723

Ion	Ratio	Lower	Upper
75	100		
53	105.8	83.4	125.2
89	47.1	36.3	54.5

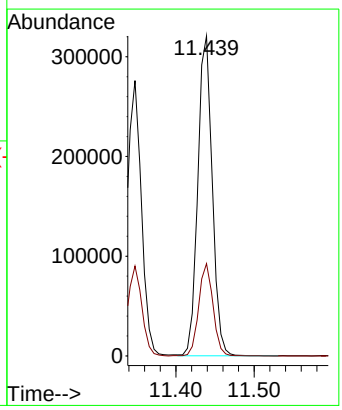


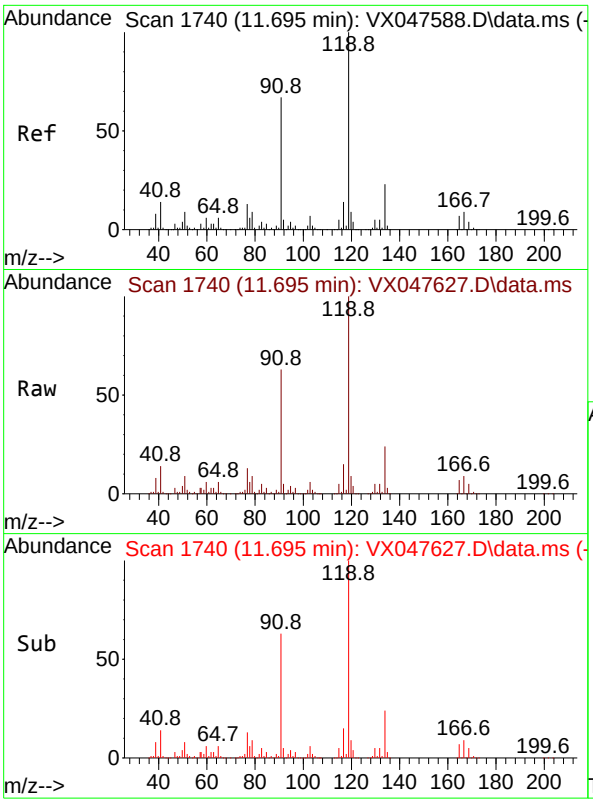


#82
4-Chlorotoluene
Concen: 50.602 ug/l
RT: 11.439 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VX047627.D
Acq: 17 Sep 2025 18:19

Tgt Ion: 91 Resp: 410157

Ion	Ratio	Lower	Upper
91	100		
126	28.6	14.2	42.6



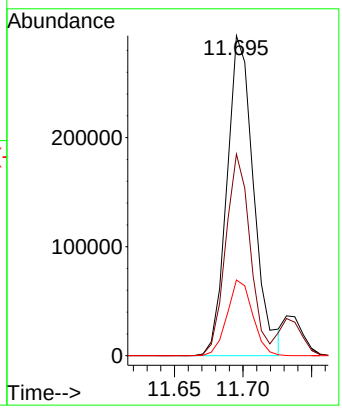


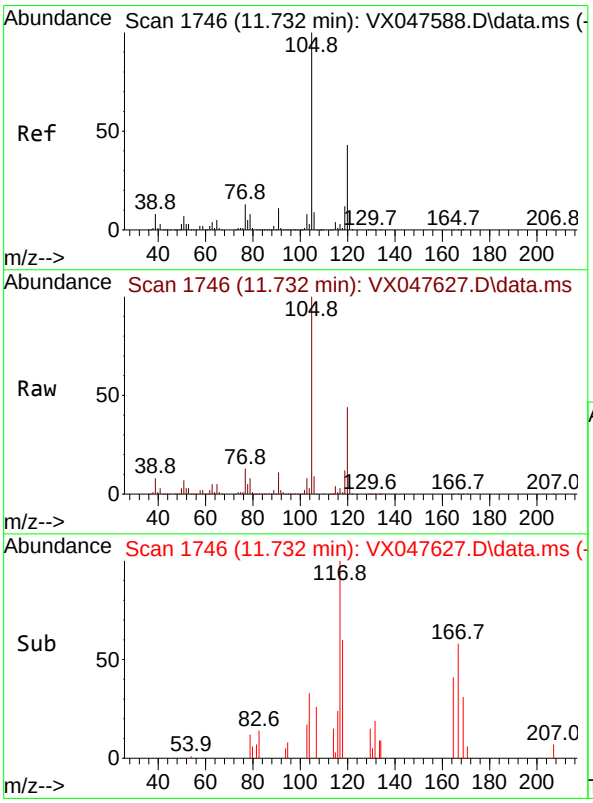
#83
tert-Butylbenzene
Concen: 49.885 ug/l
RT: 11.695 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047627.D
Acq: 17 Sep 2025 18:19

Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MS

Tgt Ion:119 Resp: 397695

Ion	Ratio	Lower	Upper
119	100		
91	58.1	29.6	88.8
134	22.6	11.0	33.0

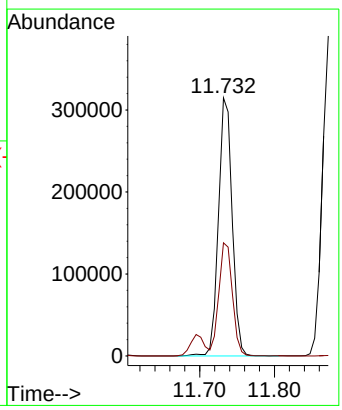


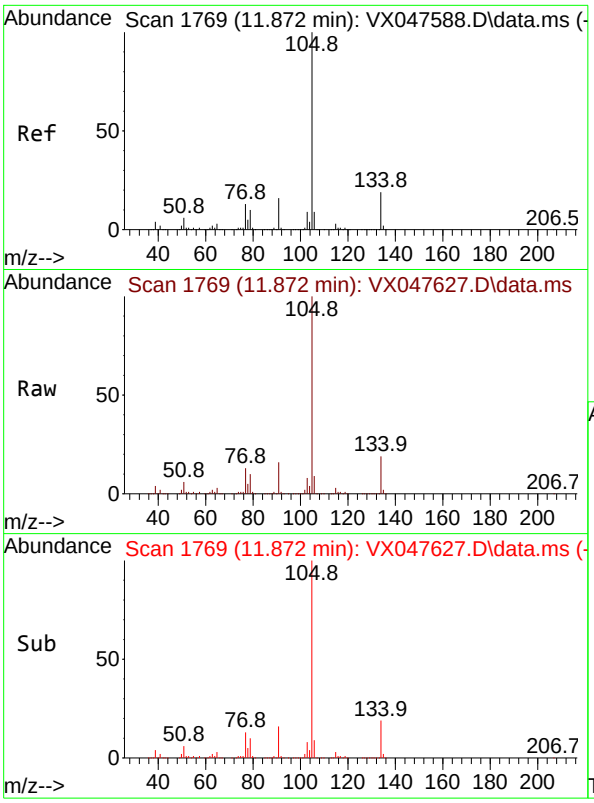


#84
1,2,4-Trimethylbenzene
Concen: 50.872 ug/l
RT: 11.732 min Scan# 1746
Delta R.T. 0.000 min
Lab File: VX047627.D
Acq: 17 Sep 2025 18:19

Tgt Ion:105 Resp: 401664

Ion	Ratio	Lower	Upper
105	100		
120	43.3	22.1	66.1



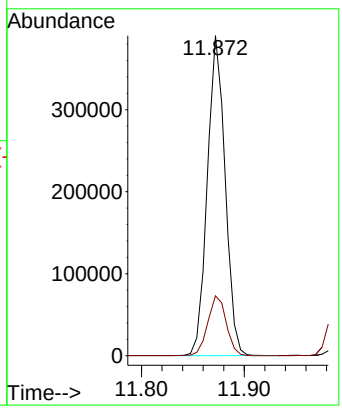


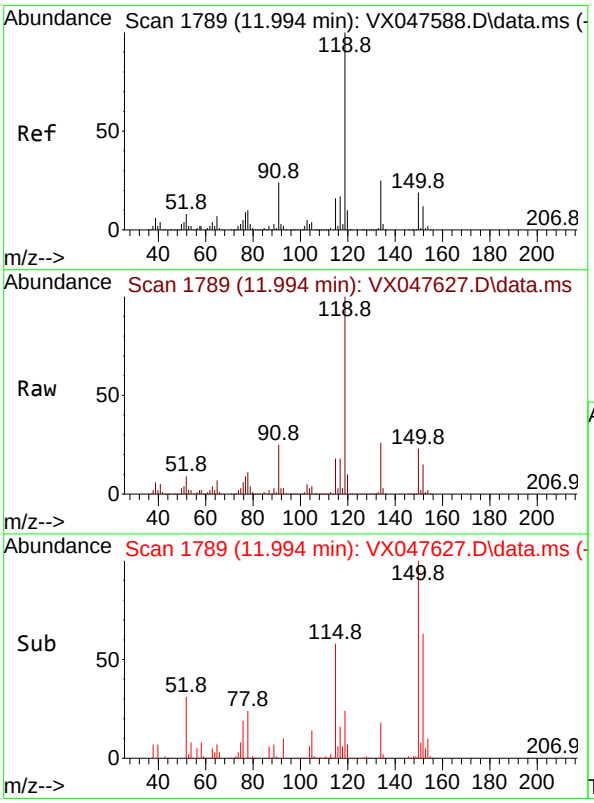
#85
sec-Butylbenzene
Concen: 49.527 ug/l
RT: 11.872 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047627.D
Acq: 17 Sep 2025 18:19

Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MS

Tgt Ion:105 Resp: 468992

Ion	Ratio	Lower	Upper
105	100		
134	19.4	9.8	29.5

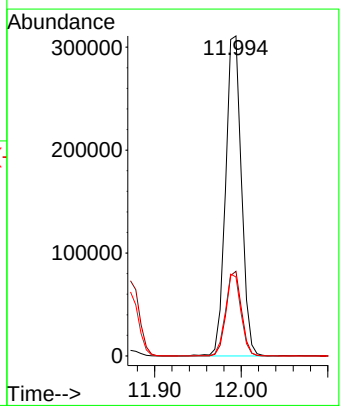


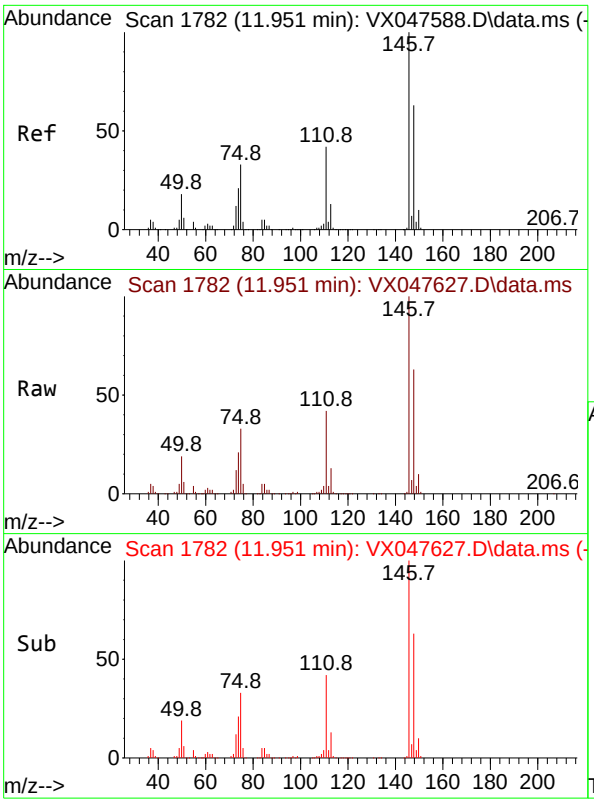


#86
p-Isopropyltoluene
Concen: 49.178 ug/l
RT: 11.994 min Scan# 1789
Delta R.T. 0.000 min
Lab File: VX047627.D
Acq: 17 Sep 2025 18:19

Tgt Ion:119 Resp: 394248

Ion	Ratio	Lower	Upper
119	100		
134	25.6	12.6	37.8
91	25.2	12.6	37.6



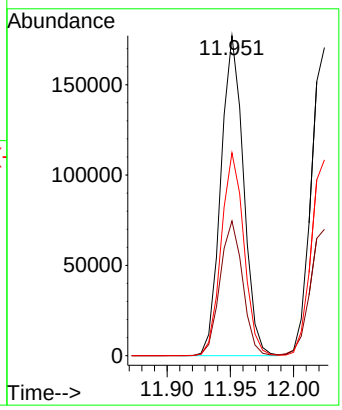


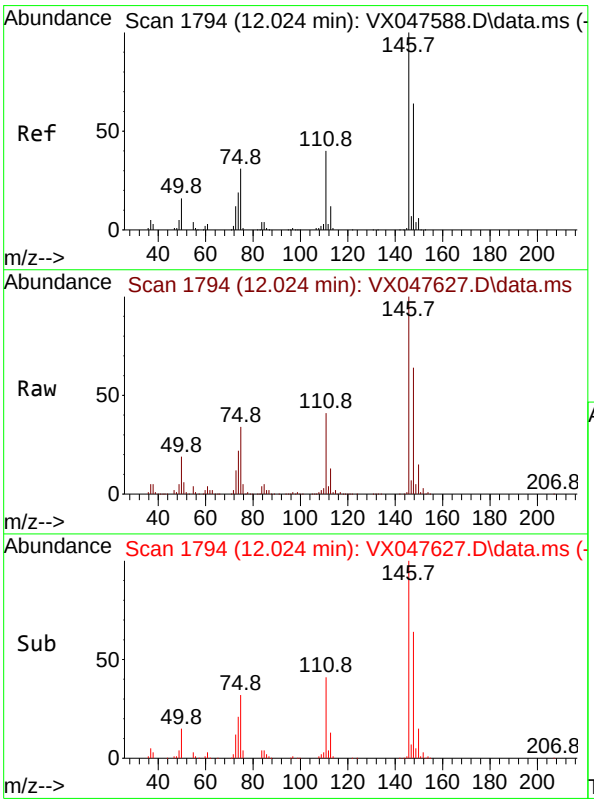
#87
1,3-Dichlorobenzene
Concen: 50.692 ug/l
RT: 11.951 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047627.D
Acq: 17 Sep 2025 18:19

Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MS

Tgt Ion:146 Resp: 219815

Ion	Ratio	Lower	Upper
146	100		
111	42.2	21.5	64.5
148	63.7	32.0	96.0

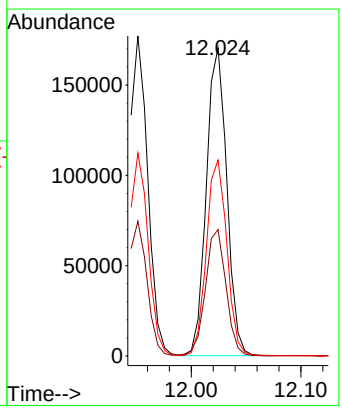


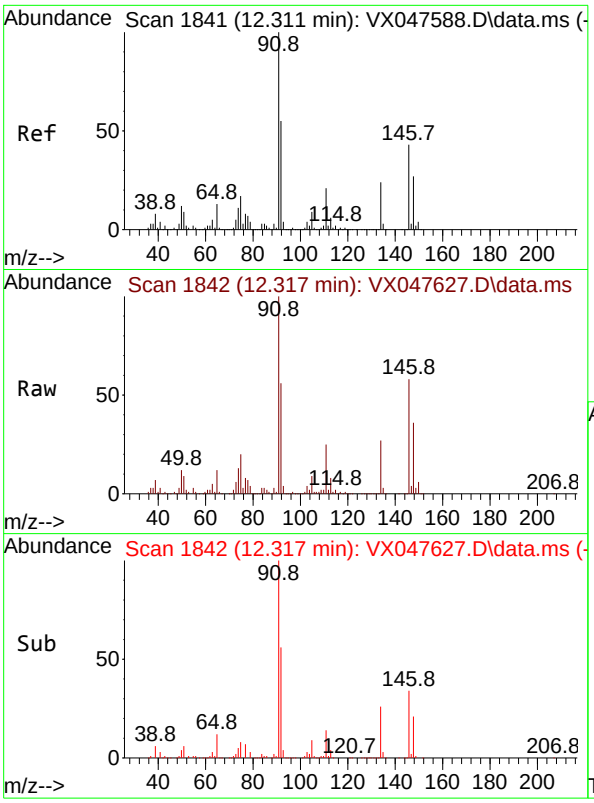


#88
1,4-Dichlorobenzene
Concen: 49.645 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX047627.D
Acq: 17 Sep 2025 18:19

Tgt Ion:146 Resp: 220949

Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.8	62.4
148	64.1	31.7	95.1



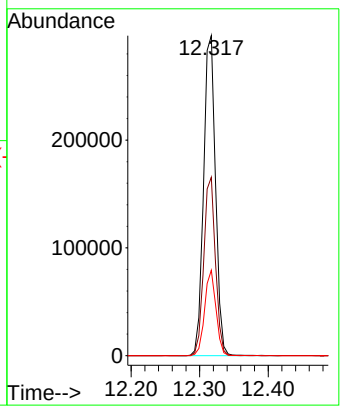


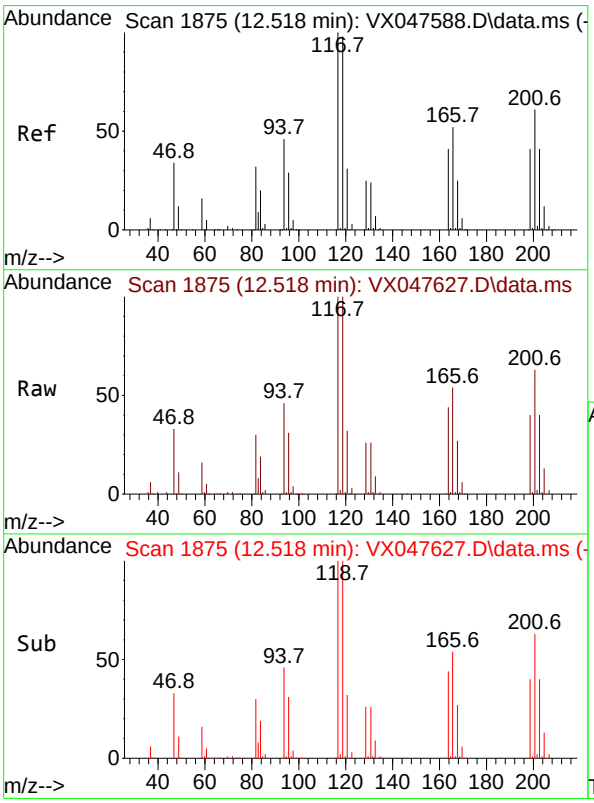
#89
n-Butylbenzene
Concen: 48.552 ug/l
RT: 12.317 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047627.D
Acq: 17 Sep 2025 18:19

Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MS

Tgt Ion: 91 Resp: 360159

Ion	Ratio	Lower	Upper
91	100		
92	54.6	27.6	82.7
134	25.4	12.6	37.8

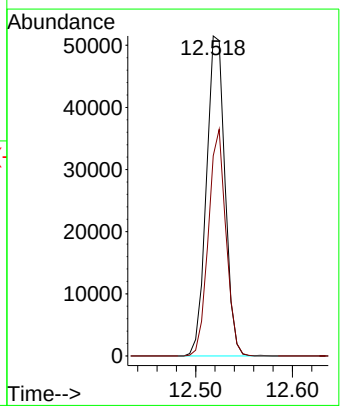


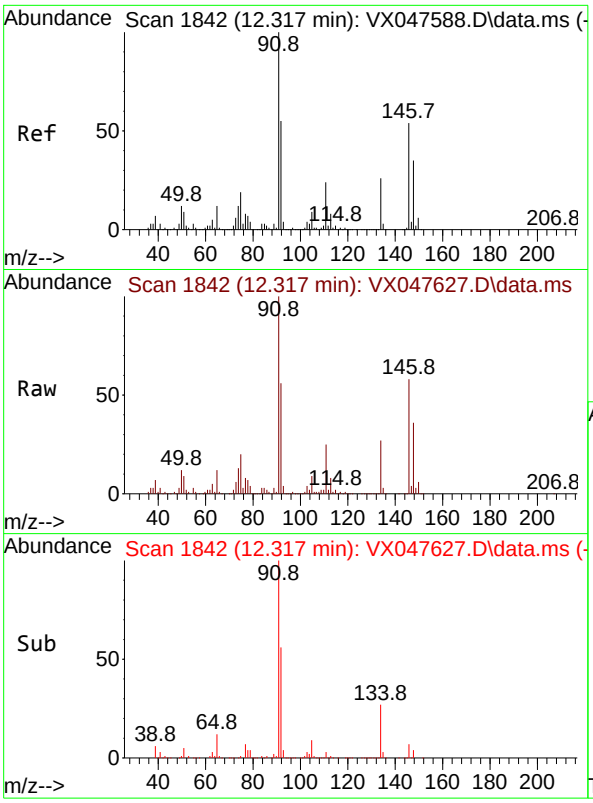


#90
Hexachloroethane
Concen: 48.838 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. 0.000 min
Lab File: VX047627.D
Acq: 17 Sep 2025 18:19

Tgt Ion:117 Resp: 68740

Ion	Ratio	Lower	Upper
117	100		
201	67.0	34.2	102.5



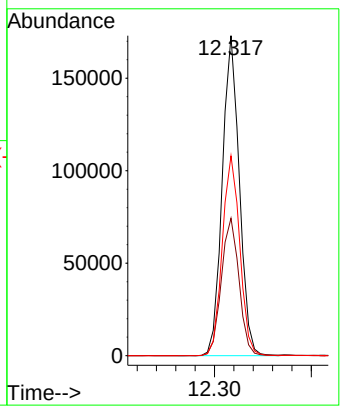


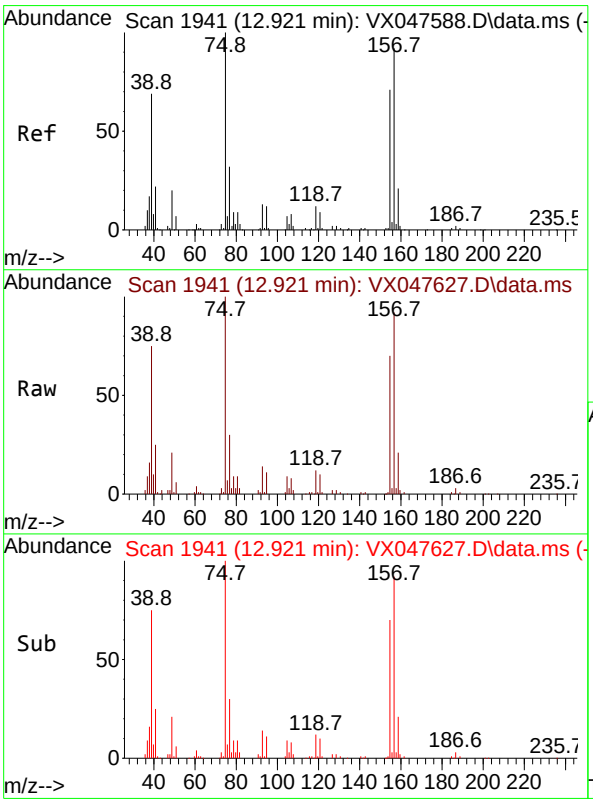
#91
1,2-Dichlorobenzene
Concen: 51.176 ug/l
RT: 12.317 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047627.D
Acq: 17 Sep 2025 18:19

Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MS

Tgt Ion:146 Resp: 211420

Ion	Ratio	Lower	Upper
146	100		
111	44.3	22.2	66.6
148	64.1	31.8	95.4

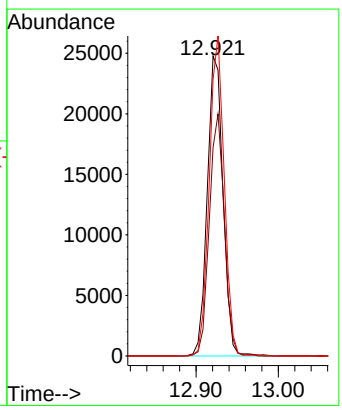


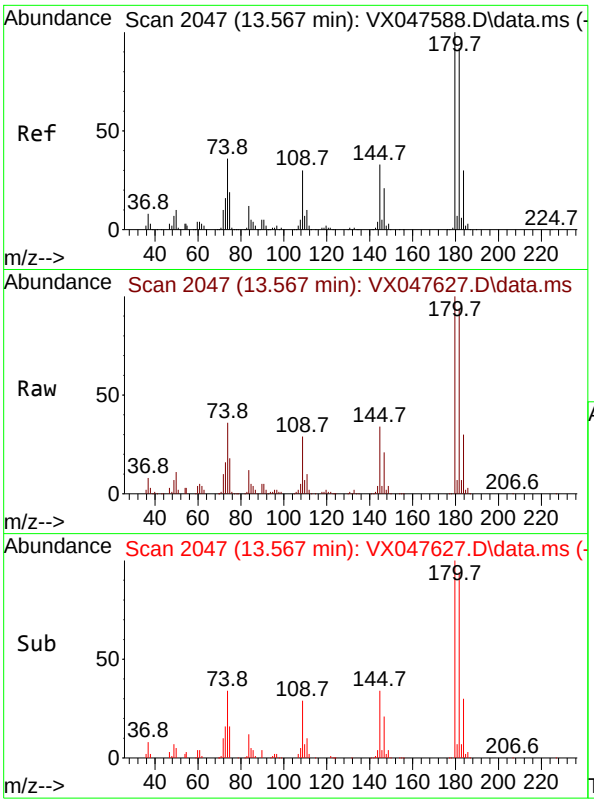


#92
1,2-Dibromo-3-Chloropropane
Concen: 56.686 ug/l
RT: 12.921 min Scan# 1941
Delta R.T. 0.000 min
Lab File: VX047627.D
Acq: 17 Sep 2025 18:19

Tgt Ion: 75 Resp: 32914

Ion	Ratio	Lower	Upper
75	100		
155	77.3	37.7	113.1
157	101.6	49.8	149.4



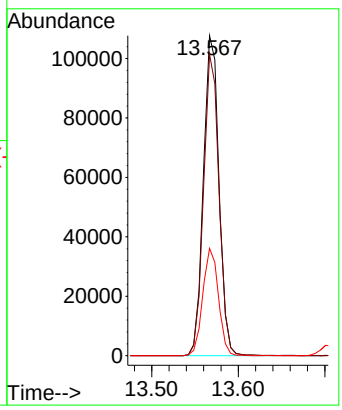


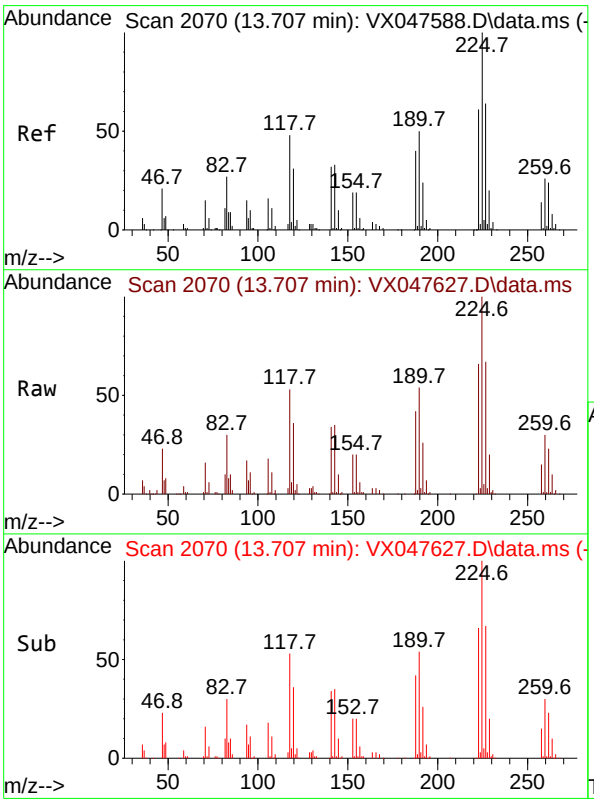
#93
1,2,4-Trichlorobenzene
Concen: 50.068 ug/l
RT: 13.567 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX047627.D
Acq: 17 Sep 2025 18:19

Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MS

Tgt Ion:180 Resp: 134428

Ion	Ratio	Lower	Upper
180	100		
182	93.5	46.6	139.8
145	33.7	16.4	49.1

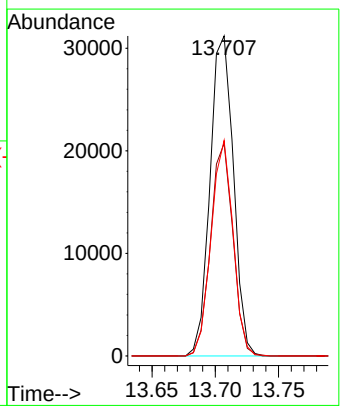


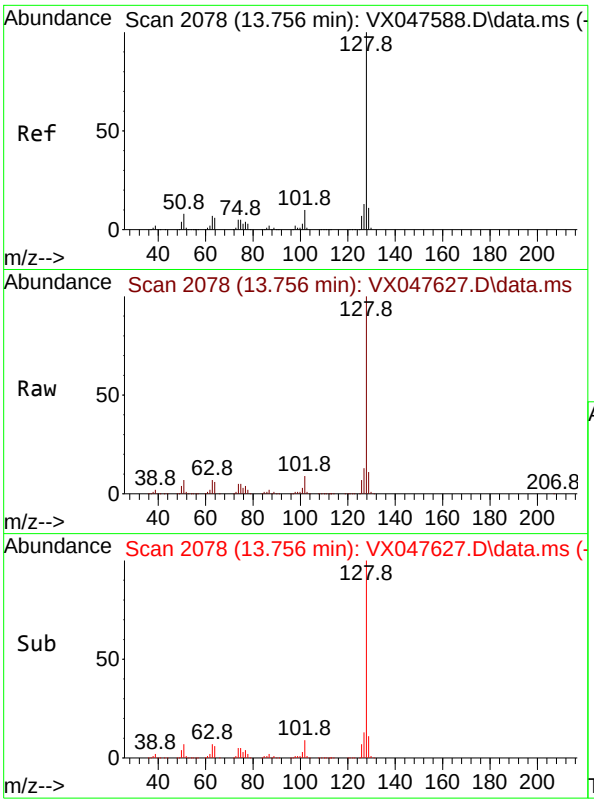


#94
Hexachlorobutadiene
Concen: 43.940 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. 0.000 min
Lab File: VX047627.D
Acq: 17 Sep 2025 18:19

Tgt Ion:225 Resp: 40073

Ion	Ratio	Lower	Upper
225	100		
223	63.4	31.7	95.1
227	63.3	32.0	96.0



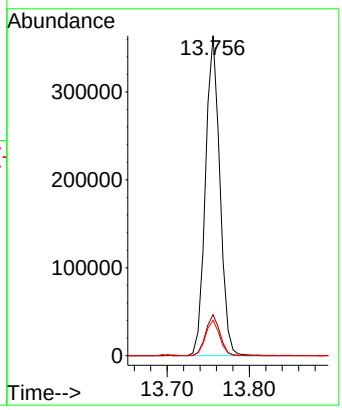


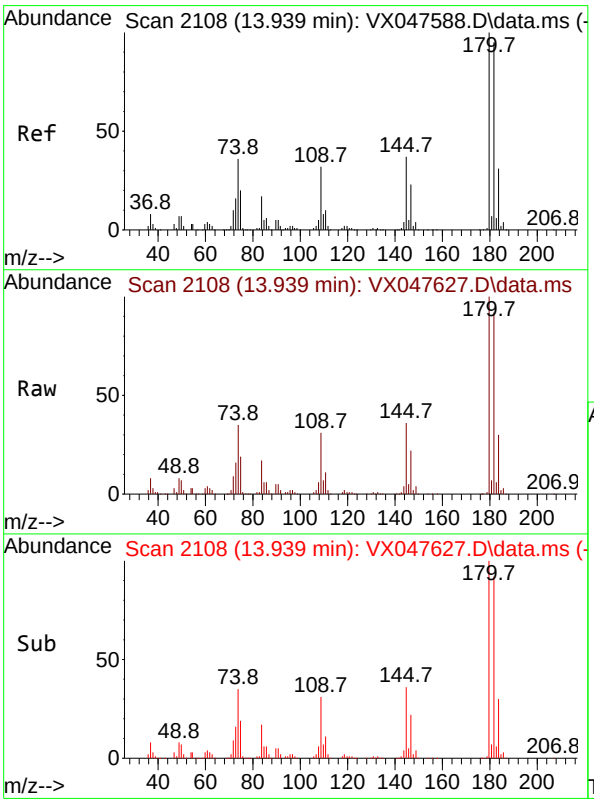
#95
Naphthalene
Concen: 54.106 ug/l
RT: 13.756 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX047627.D
Acq: 17 Sep 2025 18:19

Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MS

Tgt Ion:128 Resp: 442360

Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.2
129	11.0	8.8	13.2

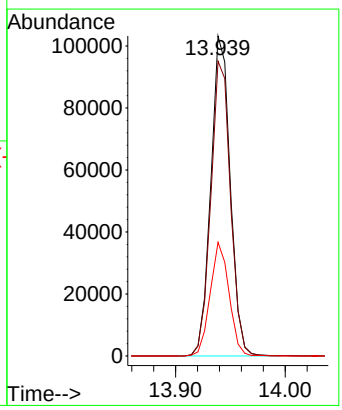




#96
1,2,3-Trichlorobenzene
Concen: 50.787 ug/l
RT: 13.939 min Scan# 2108
Delta R.T. 0.000 min
Lab File: VX047627.D
Acq: 17 Sep 2025 18:19

Tgt Ion:180 Resp: 126844

Ion	Ratio	Lower	Upper
180	100		
182	93.5	47.6	142.8
145	34.6	17.9	53.7



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091725\
Data File : VX047628.D
Acq On : 17 Sep 2025 18:40
Operator : JC/MD
Sample : Q3095-07MSD
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MSD

Quant Time: Sep 22 03:12:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	155487	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	290897	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	259033	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	122820	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	133581	53.973	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 107.940%			
35) Dibromofluoromethane	5.379	113	100277	51.400	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.800%			
50) Toluene-d8	8.634	98	347403	51.463	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 102.920%			
62) 4-Bromofluorobenzene	11.061	95	134008	52.307	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 104.620%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.172	85	66121	41.067	ug/l	100
3) Chloromethane	1.300	50	93104	43.998	ug/l	99
4) Vinyl Chloride	1.380	62	95035	45.879	ug/l	99
5) Bromomethane	1.617	94	63812	48.581	ug/l	98
6) Chloroethane	1.697	64	63329	45.742	ug/l	99
7) Trichlorofluoromethane	1.898	101	137321	44.648	ug/l	98
8) Diethyl Ether	2.136	74	63370	50.367	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.337	101	80446	44.731	ug/l	98
10) Methyl Iodide	2.459	142	129836	46.290	ug/l	100
11) Tert butyl alcohol	2.946	59	76575	277.803	ug/l	100
12) 1,1-Dichloroethene	2.325	96	87945	47.606	ug/l	96
13) Acrolein	2.239	56	92671	364.830	ug/l	98
14) Allyl chloride	2.666	41	181335	47.569	ug/l	97
15) Acrylonitrile	3.056	53	297042	290.931	ug/l	99
16) Acetone	2.373	43	236999	220.235	ug/l	100
17) Carbon Disulfide	2.520	76	217758	43.058	ug/l	98
18) Methyl Acetate	2.703	43	141359	59.025	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	352536	52.277	ug/l	99
20) Methylene Chloride	2.788	84	110515	48.517	ug/l	98
21) trans-1,2-Dichloroethene	3.093	96	96358	48.448	ug/l	99
22) Diisopropyl ether	3.757	45	378389	51.218	ug/l	98
23) Vinyl Acetate	3.715	43	1484751	251.106	ug/l	99
24) 1,1-Dichloroethane	3.605	63	218234	55.577	ug/l	98
25) 2-Butanone	4.544	43	368532	274.548	ug/l	99
26) 2,2-Dichloropropane	4.471	77	131521	40.293	ug/l	98
27) cis-1,2-Dichloroethene	4.483	96	129152	53.024	ug/l	96
28) Bromochloromethane	4.885	49	96180	56.105	ug/l	100
29) Tetrahydrofuran	4.995	42	233459	289.109	ug/l	99
30) Chloroform	5.086	83	204242	51.472	ug/l	99
31) Cyclohexane	5.464	56	144446	44.167	ug/l	97
32) 1,1,1-Trichloroethane	5.379	97	167974	49.907	ug/l	99
36) 1,1-Dichloropropene	5.684	75	123652	43.375	ug/l	97
37) Ethyl Acetate	4.702	43	154573	50.641	ug/l	99
38) Carbon Tetrachloride	5.672	117	136341	44.018	ug/l	96
39) Methylcyclohexane	7.366	83	137131	42.377	ug/l	99
40) Benzene	6.025	78	414655	47.890	ug/l	99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091725\
Data File : VX047628.D
Acq On : 17 Sep 2025 18:40
Operator : JC/MD
Sample : Q3095-07MSD
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MSD

Quant Time: Sep 22 03:12:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.910	41	83930	53.262	ug/l		97
42) 1,2-Dichloroethane	6.074	62	159558	48.433	ug/l		100
43) Isopropyl Acetate	6.324	43	253264	50.592	ug/l		98
44) Trichloroethene	7.116	130	103396	49.394	ug/l		97
45) 1,2-Dichloropropane	7.415	63	109025	49.175	ug/l		98
46) Dibromomethane	7.568	93	79332	49.171	ug/l		97
47) Bromodichloromethane	7.805	83	162195	48.717	ug/l		98
48) Methyl methacrylate	7.677	41	132337	53.072	ug/l		99
49) 1,4-Dioxane	7.647	88	32226	1278.808	ug/l		99
51) 4-Methyl-2-Pentanone	8.561	43	789521	284.455	ug/l		99
52) Toluene	8.702	92	255317	47.862	ug/l		99
53) t-1,3-Dichloropropene	8.964	75	164192	48.349	ug/l		99
54) cis-1,3-Dichloropropene	8.354	75	174198	47.992	ug/l		100
55) 1,1,2-Trichloroethane	9.134	97	104353	50.732	ug/l		99
56) Ethyl methacrylate	9.104	69	173371	53.669	ug/l		98
57) 1,3-Dichloropropane	9.293	76	183956	52.061	ug/l		98
58) 2-Chloroethyl Vinyl ether	8.153	63	98	7.956	ug/l	#	47
59) 2-Hexanone	9.415	43	549720	275.768	ug/l		99
60) Dibromochloromethane	9.506	129	121012	51.059	ug/l		98
61) 1,2-Dibromoethane	9.592	107	108335	51.709	ug/l		100
64) Tetrachloroethene	9.262	164	77878	46.119	ug/l		95
65) Chlorobenzene	10.061	112	285189	48.462	ug/l		98
66) 1,1,1,2-Tetrachloroethane	10.146	131	98819	48.663	ug/l		98
67) Ethyl Benzene	10.177	91	486856	47.949	ug/l		100
68) m/p-Xylenes	10.287	106	362550	95.931	ug/l		100
69) o-Xylene	10.628	106	176754	48.354	ug/l		100
70) Styrene	10.640	104	316465	49.409	ug/l		99
71) Bromoform	10.787	173	78589	51.830	ug/l	#	99
73) Isopropylbenzene	10.945	105	449867	48.178	ug/l		99
74) N-amyl acetate	10.829	43	216946	50.949	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.195	83	152121	53.847	ug/l		99
76) 1,2,3-Trichloropropane	11.225	75	170264	68.469	ug/l		90
77) Bromobenzene	11.183	156	115807	50.356	ug/l		98
78) n-propylbenzene	11.286	91	530672	48.076	ug/l		100
79) 2-Chlorotoluene	11.347	91	330607	48.902	ug/l		100
80) 1,3,5-Trimethylbenzene	11.433	105	369096	48.112	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.000	75	47527	48.739	ug/l		100
82) 4-Chlorotoluene	11.439	91	388138	48.610	ug/l		100
83) tert-Butylbenzene	11.695	119	379925	48.378	ug/l		98
84) 1,2,4-Trimethylbenzene	11.731	105	381199	49.011	ug/l		99
85) sec-Butylbenzene	11.872	105	444945	47.699	ug/l		100
86) p-Isopropyltoluene	11.994	119	373314	47.272	ug/l		99
87) 1,3-Dichlorobenzene	11.951	146	208330	48.771	ug/l		99
88) 1,4-Dichlorobenzene	12.024	146	208864	47.641	ug/l		99
89) n-Butylbenzene	12.317	91	342525	46.874	ug/l		99
90) Hexachloroethane	12.518	117	66310	47.825	ug/l		97
91) 1,2-Dichlorobenzene	12.317	146	203287	49.953	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	12.926	75	31331	54.777	ug/l		97
93) 1,2,4-Trichlorobenzene	13.567	180	127016	48.023	ug/l		97
94) Hexachlorobutadiene	13.707	225	40432	45.005	ug/l		98
95) Naphthalene	13.756	128	429630	53.345	ug/l		100
96) 1,2,3-Trichlorobenzene	13.938	180	122153	49.649	ug/l		99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091725\
Data File : VX047628.D
Acq On : 17 Sep 2025 18:40
Operator : JC/MD
Sample : Q3095-07MSD
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MSD

Quant Time: Sep 22 03:12:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

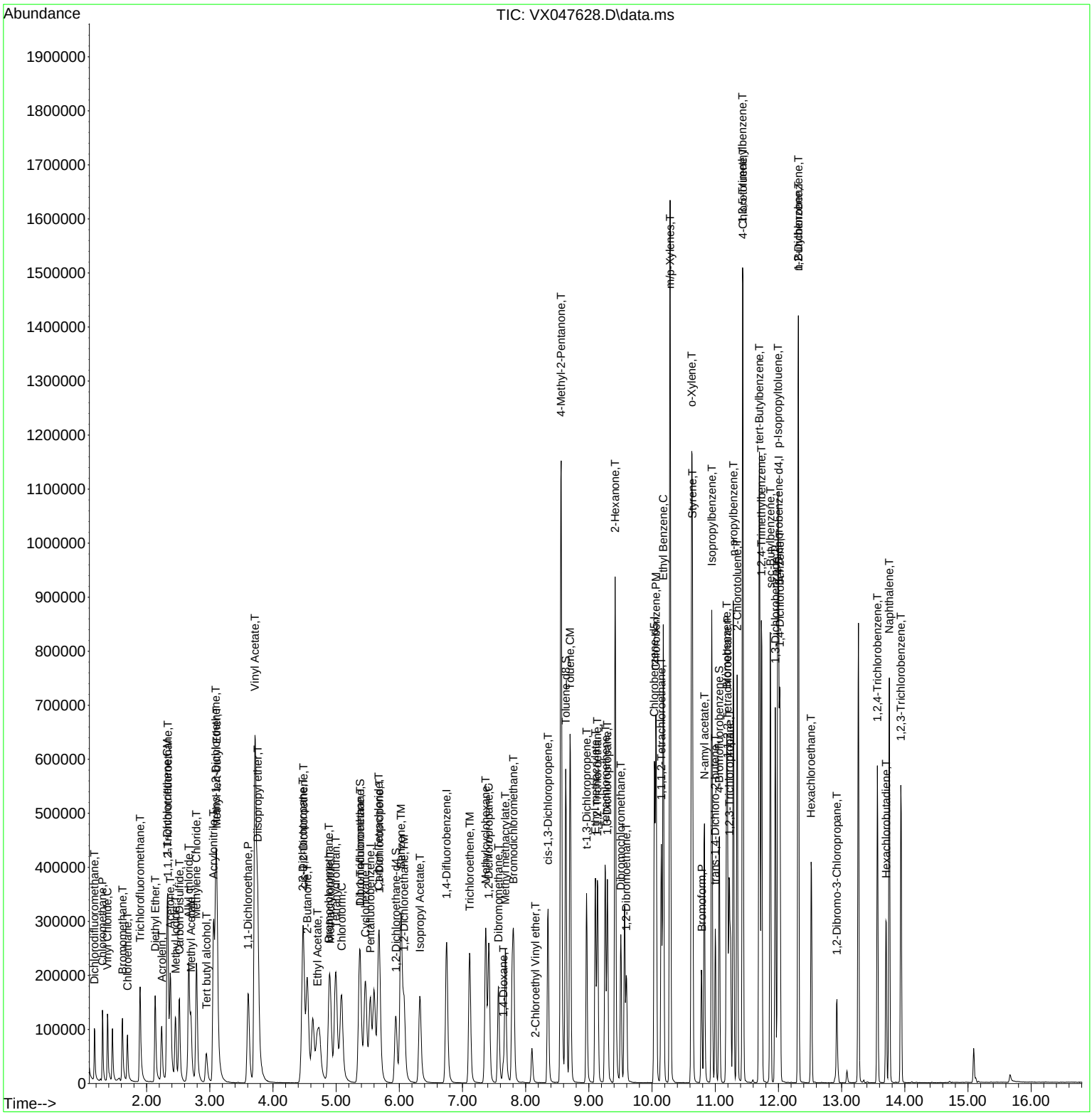
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

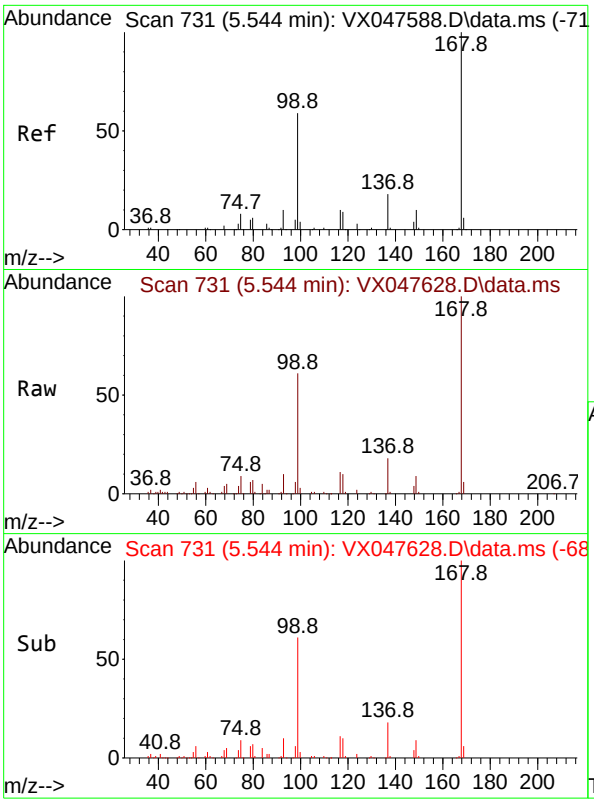
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091725\
Data File : VX047628.D
Acq On : 17 Sep 2025 18:40
Operator : JC/MD
Sample : Q3095-07MSD
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MSD

Quant Time: Sep 22 03:12:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



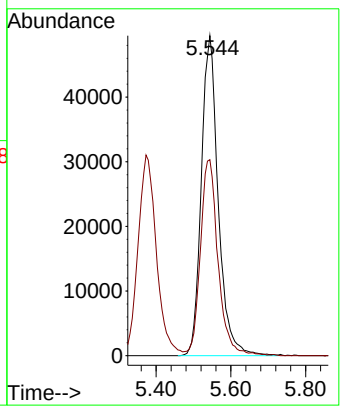


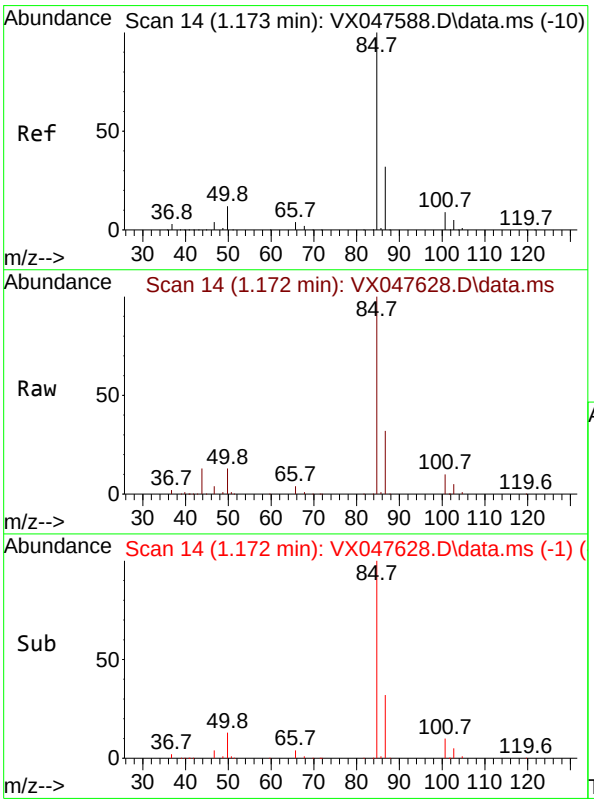
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047628.D
Acq: 17 Sep 2025 18:40

Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MSD

Tgt Ion:168 Resp: 155487

Ion	Ratio	Lower	Upper
168	100		
99	61.1	48.8	73.2

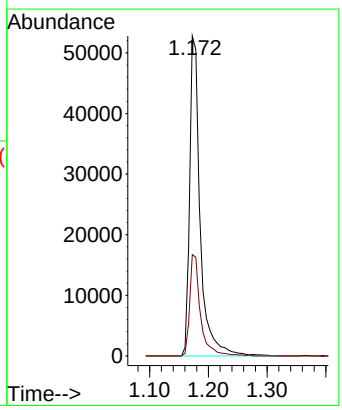


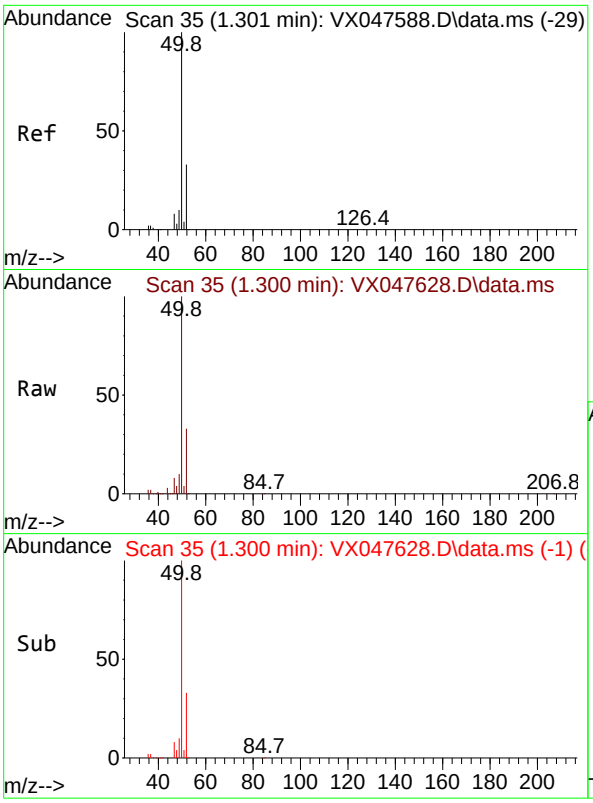


#2
Dichlorodifluoromethane
Concen: 41.067 ug/l
RT: 1.172 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047628.D
Acq: 17 Sep 2025 18:40

Tgt Ion: 85 Resp: 66121

Ion	Ratio	Lower	Upper
85	100		
87	31.7	15.8	47.3



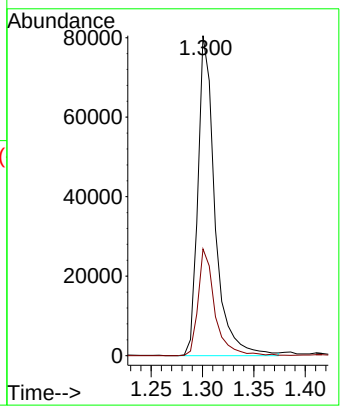


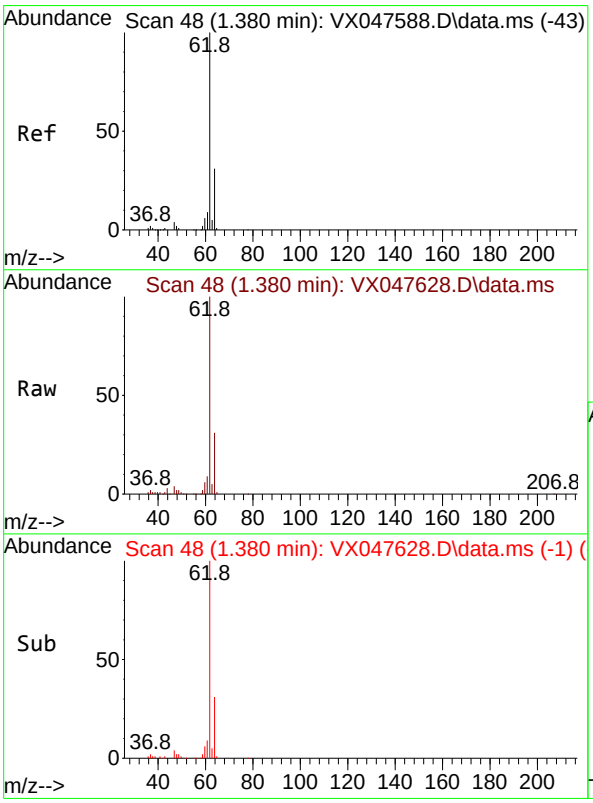
#3
Chloromethane
Concen: 43.998 ug/l
RT: 1.300 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047628.D
Acq: 17 Sep 2025 18:40

Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MSD

Tgt Ion: 50 Resp: 93104

Ion	Ratio	Lower	Upper
50	100		
52	33.4	26.1	39.1

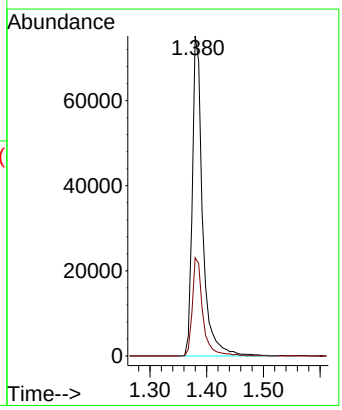


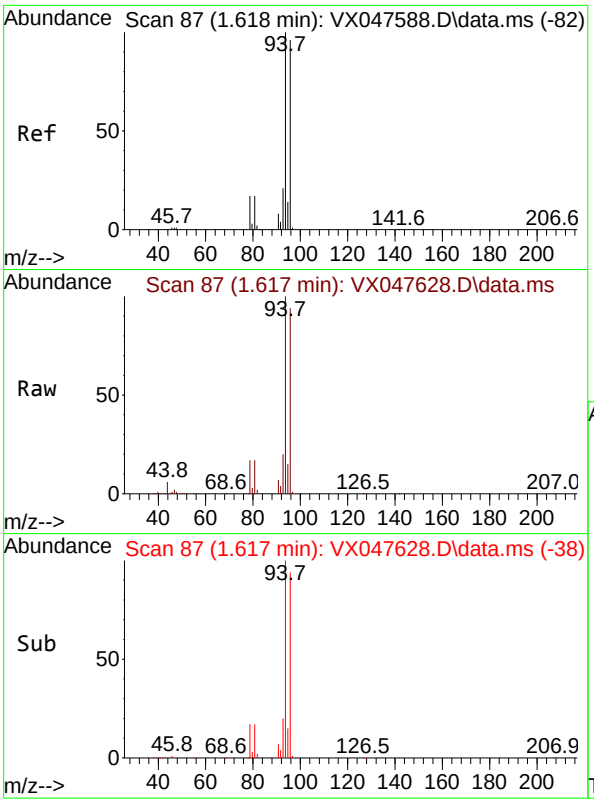


#4
Vinyl Chloride
Concen: 45.879 ug/l
RT: 1.380 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX047628.D
Acq: 17 Sep 2025 18:40

Tgt Ion: 62 Resp: 95035

Ion	Ratio	Lower	Upper
62	100		
64	30.7	24.9	37.3



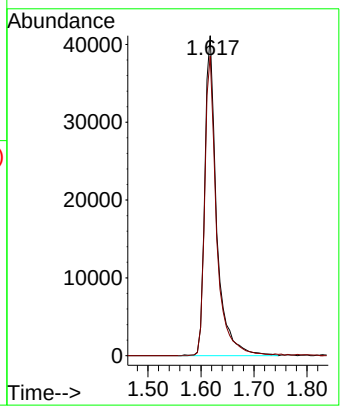


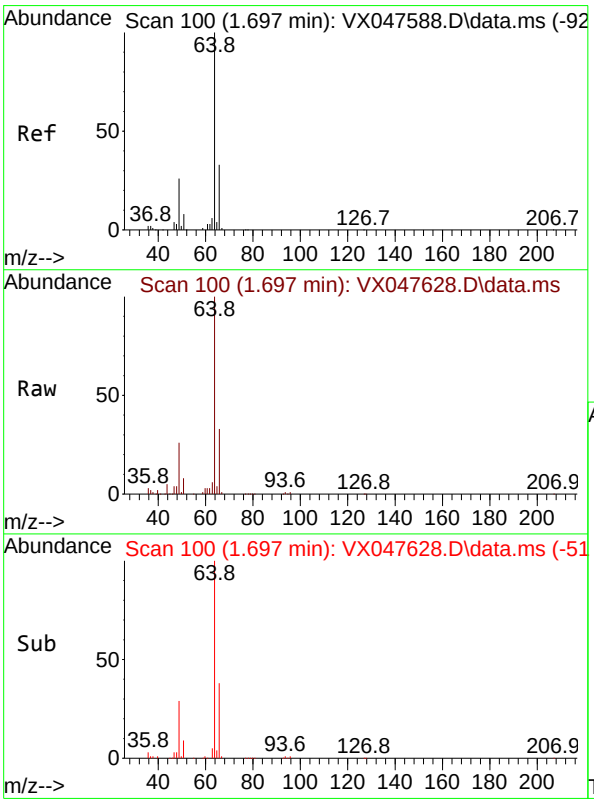
#5
Bromomethane
Concen: 48.581 ug/l
RT: 1.617 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX047628.D
Acq: 17 Sep 2025 18:40

Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MSD

Tgt Ion: 94 Resp: 63812

Ion	Ratio	Lower	Upper
94	100		
96	93.7	76.6	115.0

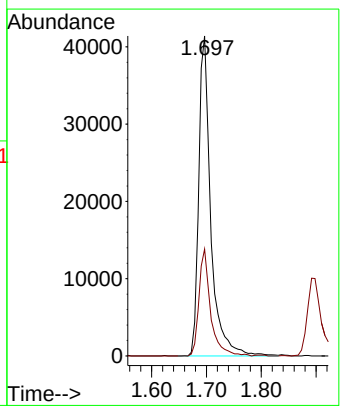


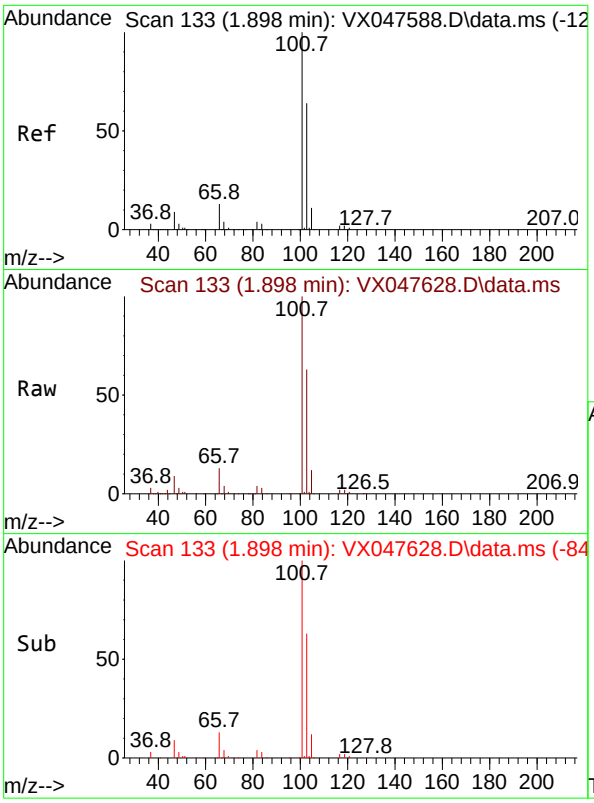


#6
Chloroethane
Concen: 45.742 ug/l
RT: 1.697 min Scan# 100
Delta R.T. -0.000 min
Lab File: VX047628.D
Acq: 17 Sep 2025 18:40

Tgt Ion: 64 Resp: 63329

Ion	Ratio	Lower	Upper
64	100		
66	33.4	26.1	39.1



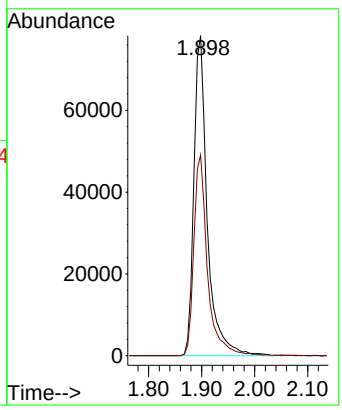


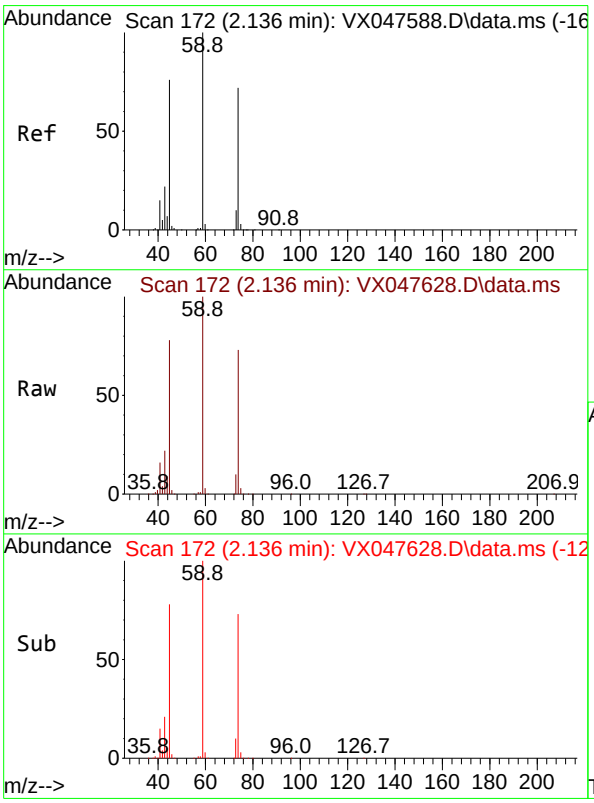
#7
Trichlorofluoromethane
Concen: 44.648 ug/l
RT: 1.898 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047628.D
Acq: 17 Sep 2025 18:40

Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MSD

Tgt Ion:101 Resp: 137321

Ion	Ratio	Lower	Upper
101	100		
103	62.7	51.4	77.2

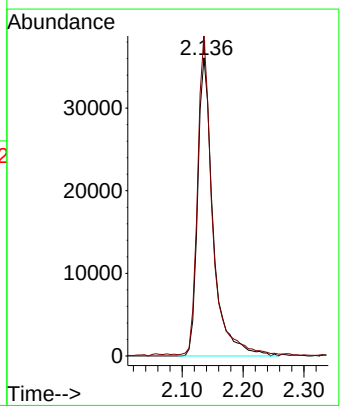


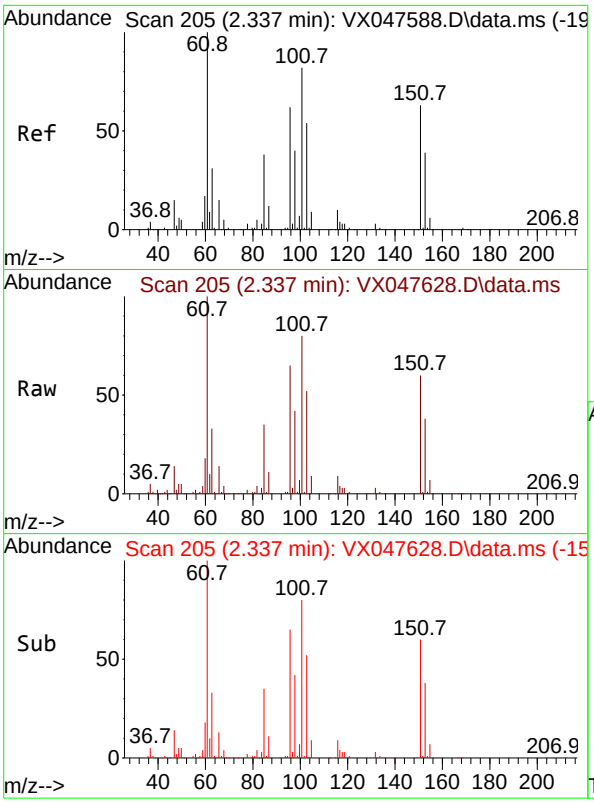


#8
Diethyl Ether
Concen: 50.367 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX047628.D
Acq: 17 Sep 2025 18:40

Tgt Ion: 74 Resp: 63370

Ion	Ratio	Lower	Upper
74	100		
45	102.8	52.3	156.8



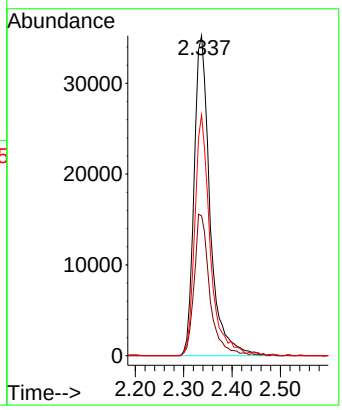


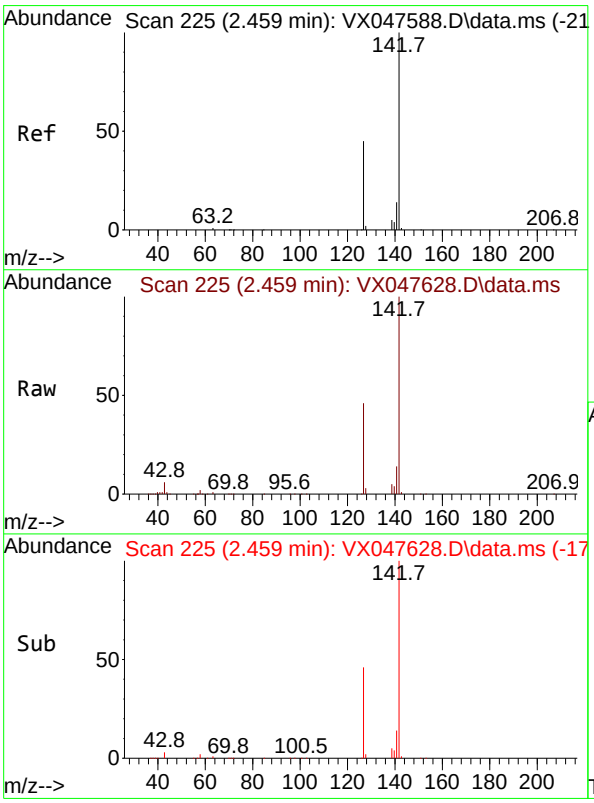
#9
1,1,2-Trichlorotrifluoroethane
Concen: 44.731 ug/l
RT: 2.337 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047628.D
Acq: 17 Sep 2025 18:40

Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MSD

Tgt Ion:101 Resp: 80446

Ion	Ratio	Lower	Upper
101	100		
85	43.6	35.5	53.3
151	72.8	59.4	89.0

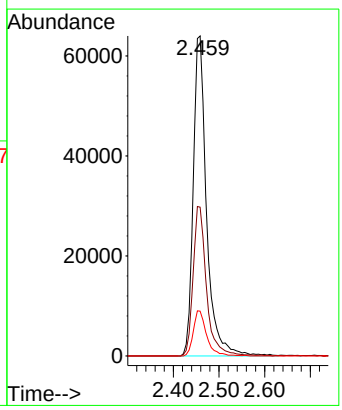


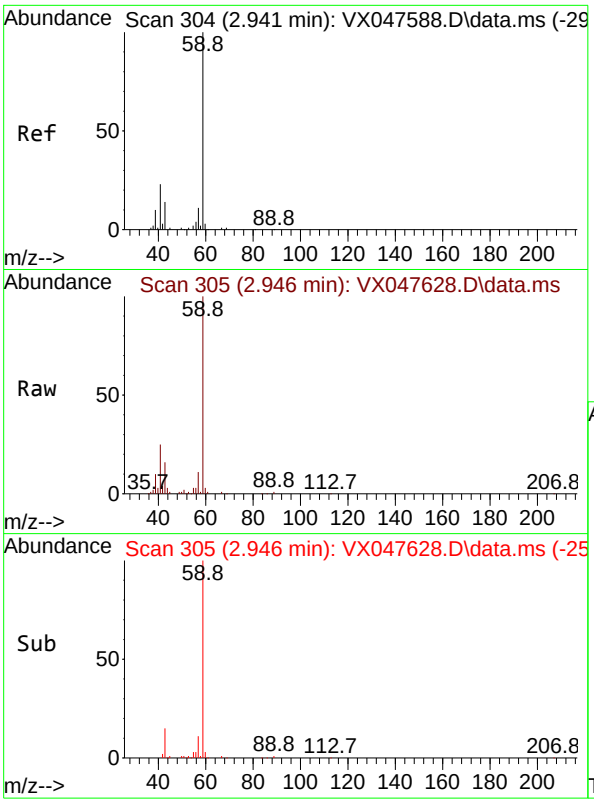


#10
Methyl Iodide
Concen: 46.290 ug/l
RT: 2.459 min Scan# 225
Delta R.T. -0.000 min
Lab File: VX047628.D
Acq: 17 Sep 2025 18:40

Tgt Ion:142 Resp: 129836

Ion	Ratio	Lower	Upper
142	100		
127	46.8	37.2	55.8
141	14.1	11.4	17.0



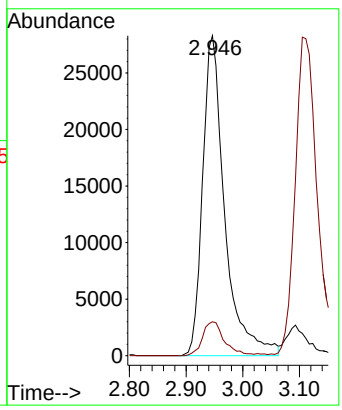


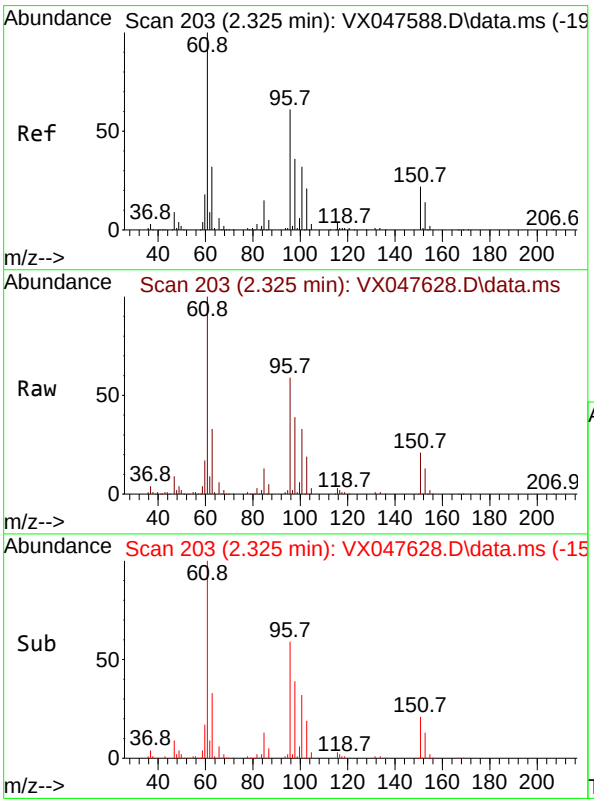
#11
Tert butyl alcohol
Concen: 277.803 ug/l
RT: 2.946 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX047628.D
Acq: 17 Sep 2025 18:40

Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MSD

Tgt Ion: 59 Resp: 76575

Ion	Ratio	Lower	Upper
59	100		
57	10.5	8.3	12.5

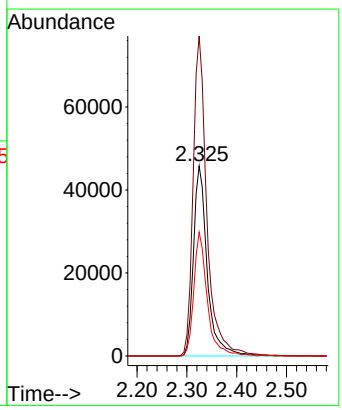


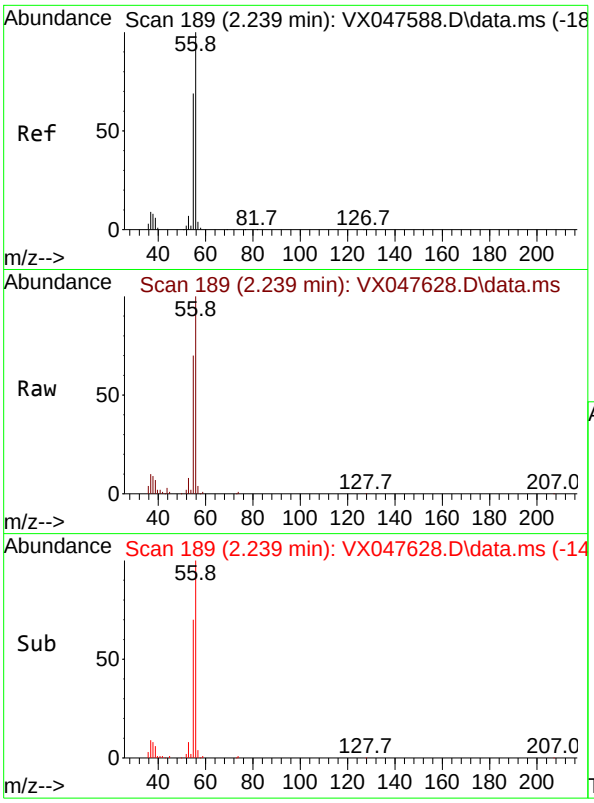


#12
1,1-Dichloroethene
Concen: 47.606 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX047628.D
Acq: 17 Sep 2025 18:40

Tgt Ion: 96 Resp: 87945

Ion	Ratio	Lower	Upper
96	100		
61	168.3	131.0	196.6
98	65.1	47.7	71.5



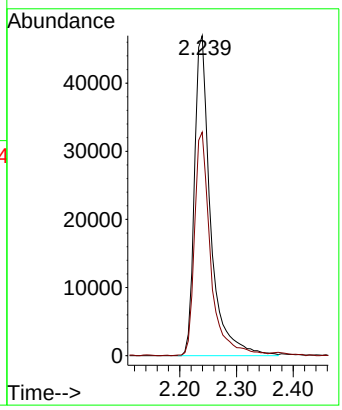


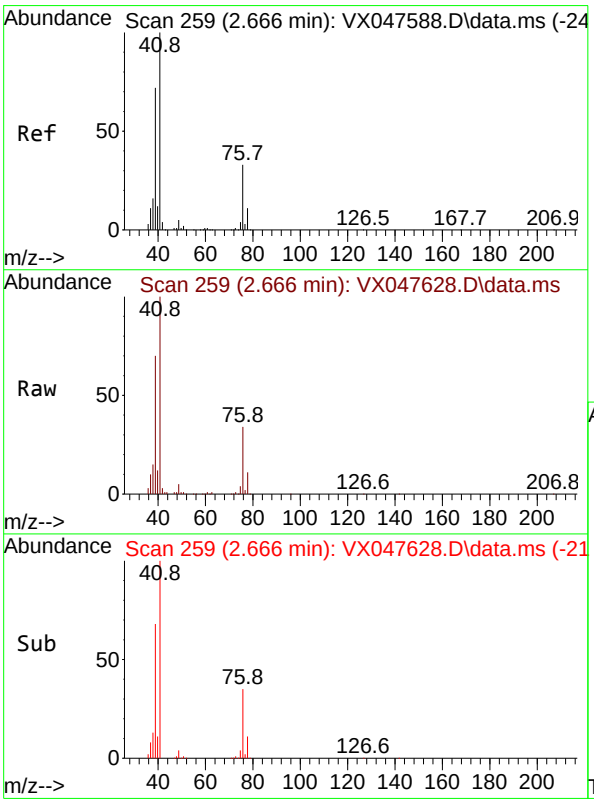
#13
Acrolein
Concen: 364.830 ug/l
RT: 2.239 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047628.D
Acq: 17 Sep 2025 18:40

Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MSD

Tgt Ion: 56 Resp: 92671

Ion	Ratio	Lower	Upper
56	100		
55	69.9	57.2	85.8

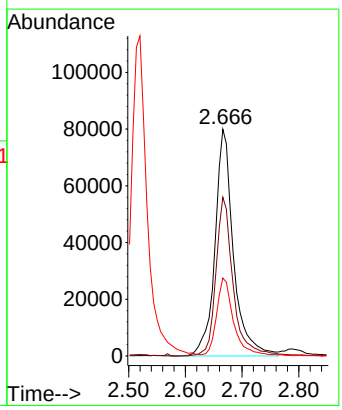


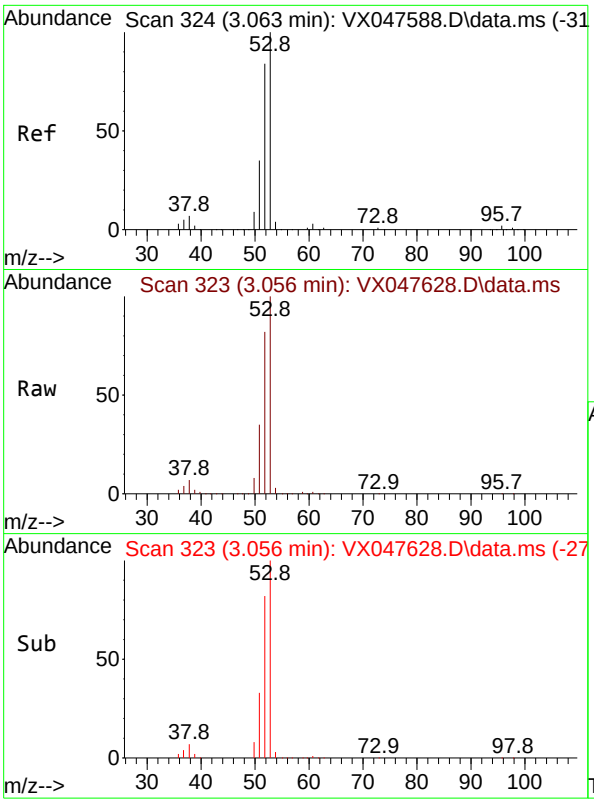


#14
Allyl chloride
Concen: 47.569 ug/l
RT: 2.666 min Scan# 259
Delta R.T. -0.000 min
Lab File: VX047628.D
Acq: 17 Sep 2025 18:40

Tgt Ion: 41 Resp: 181335

Ion	Ratio	Lower	Upper
41	100		
39	65.4	54.7	82.1
76	31.4	25.7	38.5



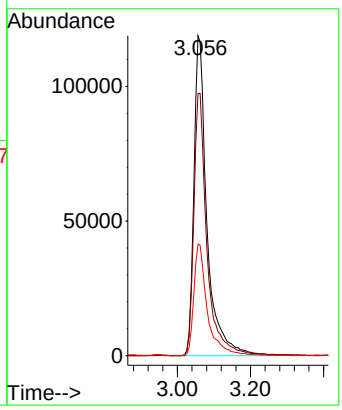


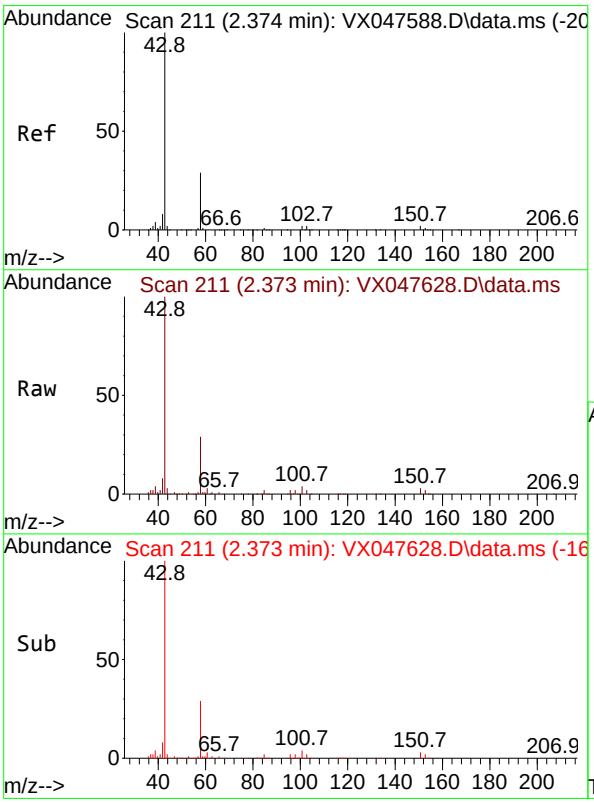
#15
Acrylonitrile
Concen: 290.931 ug/l
RT: 3.056 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047628.D
Acq: 17 Sep 2025 18:40

Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MSD

Tgt Ion: 53 Resp: 297042

Ion	Ratio	Lower	Upper
53	100		
52	81.8	66.4	99.6
51	36.4	29.5	44.3

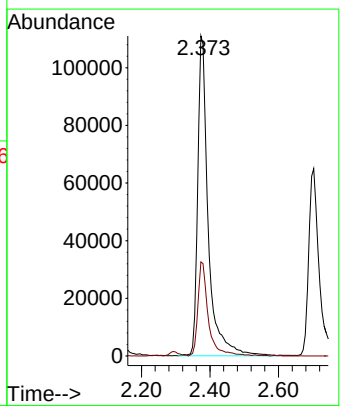


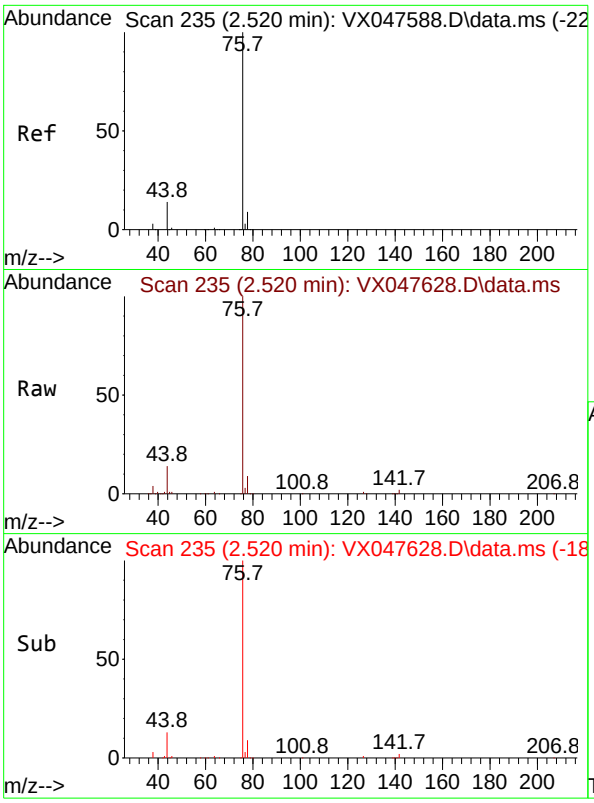


#16
Acetone
Concen: 220.235 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX047628.D
Acq: 17 Sep 2025 18:40

Tgt Ion: 43 Resp: 236999

Ion	Ratio	Lower	Upper
43	100		
58	29.4	23.4	35.0



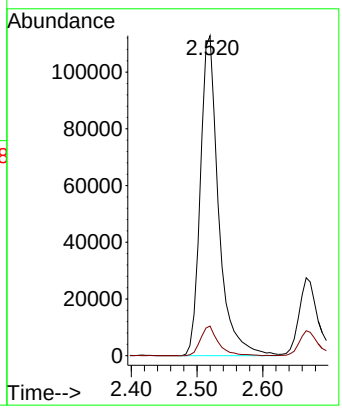


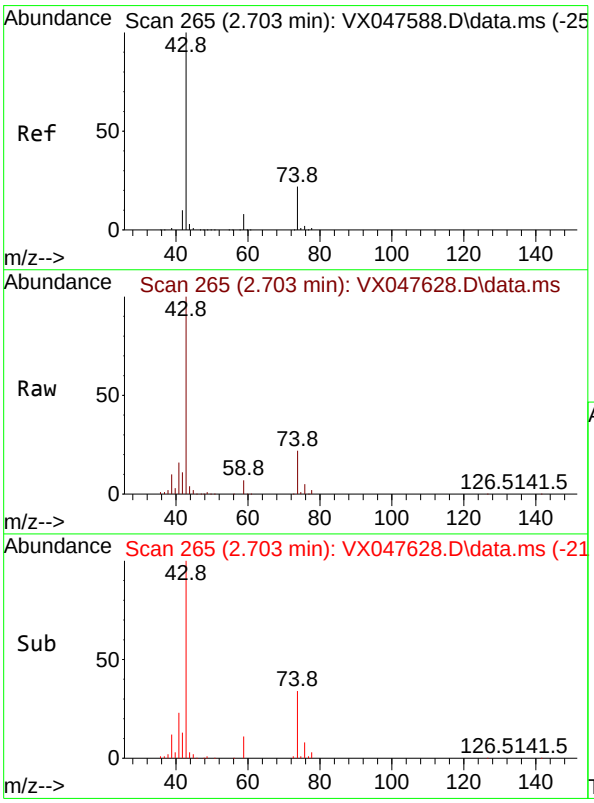
#17
Carbon Disulfide
Concen: 43.058 ug/l
RT: 2.520 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047628.D
Acq: 17 Sep 2025 18:40

Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MSD

Tgt Ion: 76 Resp: 217758

Ion	Ratio	Lower	Upper
76	100		
78	9.3	6.8	10.2

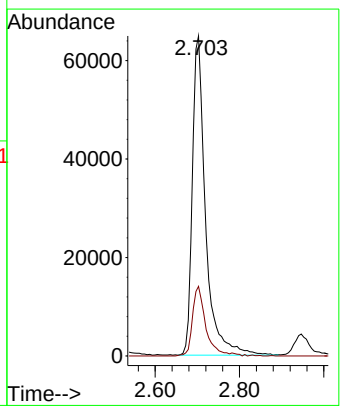


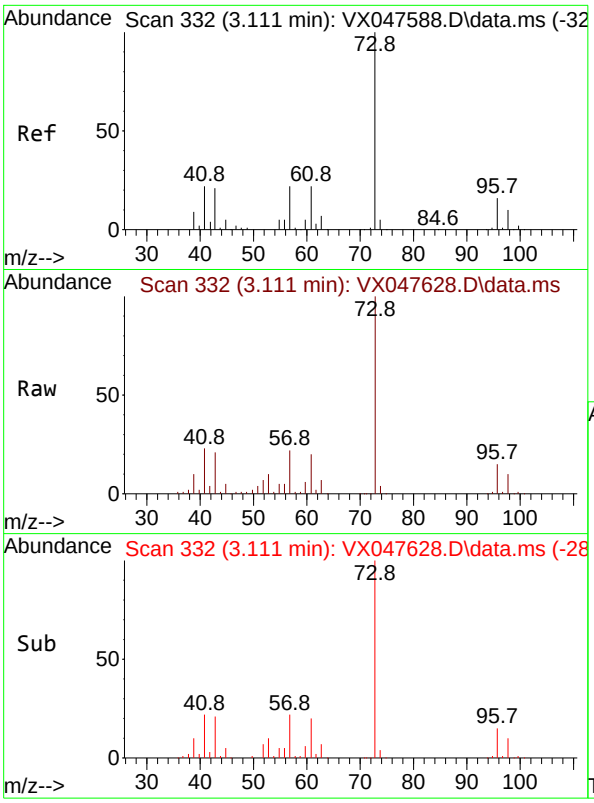


#18
Methyl Acetate
Concen: 59.025 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX047628.D
Acq: 17 Sep 2025 18:40

Tgt Ion: 43 Resp: 141359

Ion	Ratio	Lower	Upper
43	100		
74	22.1	17.4	26.2



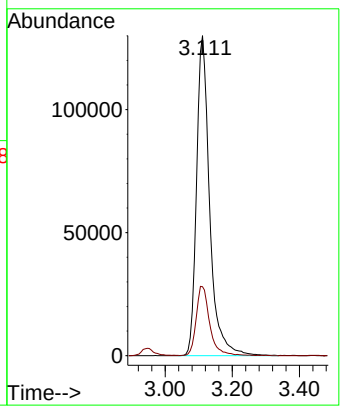


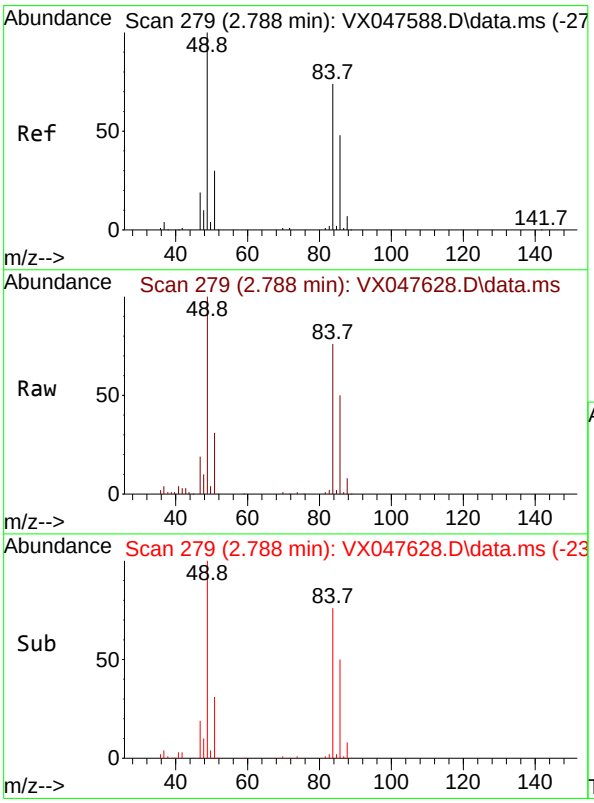
#19
Methyl tert-butyl Ether
Concen: 52.277 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047628.D
Acq: 17 Sep 2025 18:40

Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MSD

Tgt Ion: 73 Resp: 352536

Ion	Ratio	Lower	Upper
73	100		
57	21.6	17.4	26.2

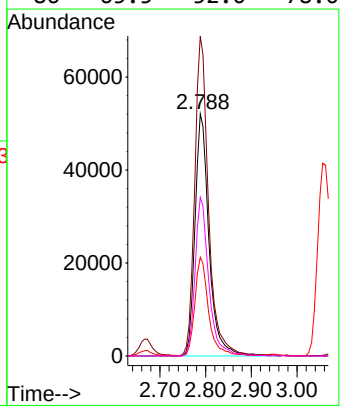


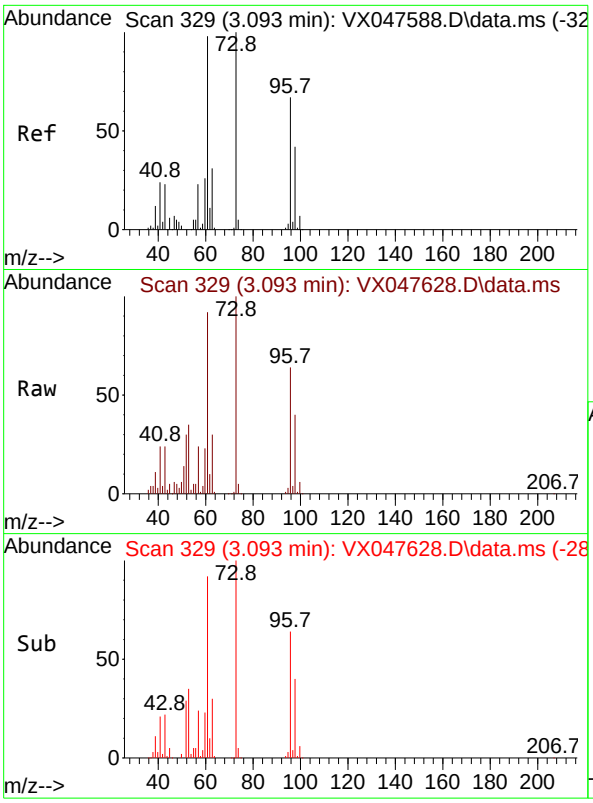


#20
Methylene Chloride
Concen: 48.517 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX047628.D
Acq: 17 Sep 2025 18:40

Tgt Ion: 84 Resp: 110515

Ion	Ratio	Lower	Upper
84	100		
49	132.0	108.6	162.8
51	40.7	32.6	48.8
86	65.5	52.0	78.0



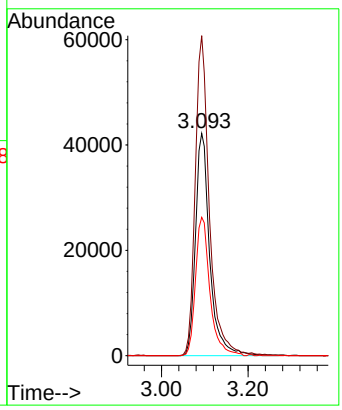


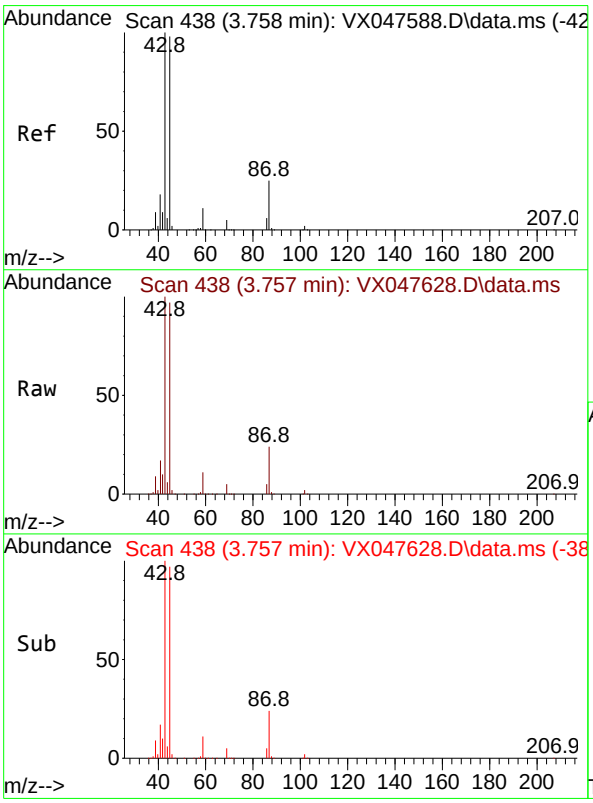
#21
trans-1,2-Dichloroethene
Concen: 48.448 ug/l
RT: 3.093 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047628.D
Acq: 17 Sep 2025 18:40

Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MSD

Tgt Ion: 96 Resp: 96358

Ion	Ratio	Lower	Upper
96	100		
61	144.0	116.2	174.2
98	62.3	49.3	73.9

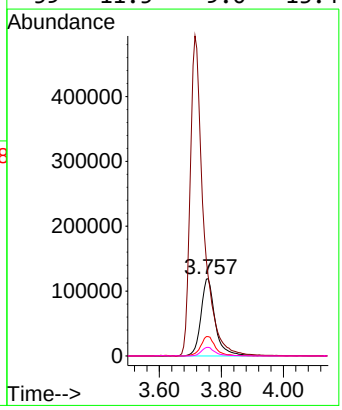


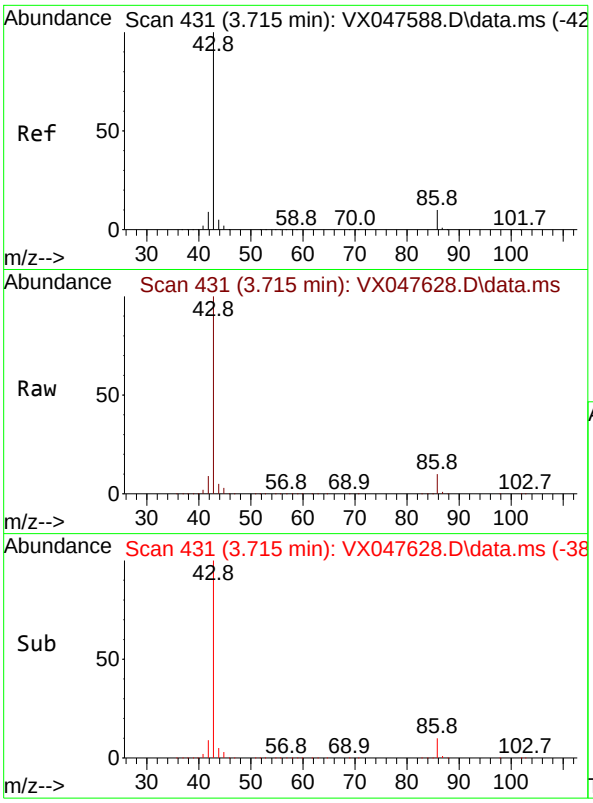


#22
Diisopropyl ether
Concen: 51.218 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.000 min
Lab File: VX047628.D
Acq: 17 Sep 2025 18:40

Tgt Ion: 45 Resp: 378389

Ion	Ratio	Lower	Upper
45	100		
43	103.5	81.0	121.4
87	25.1	20.3	30.5
59	11.5	9.0	13.4



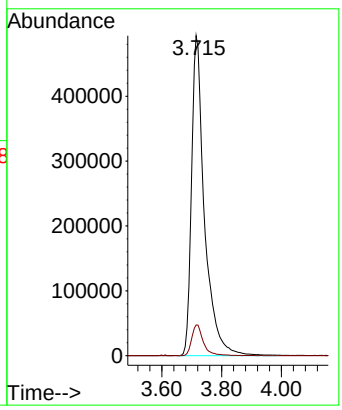


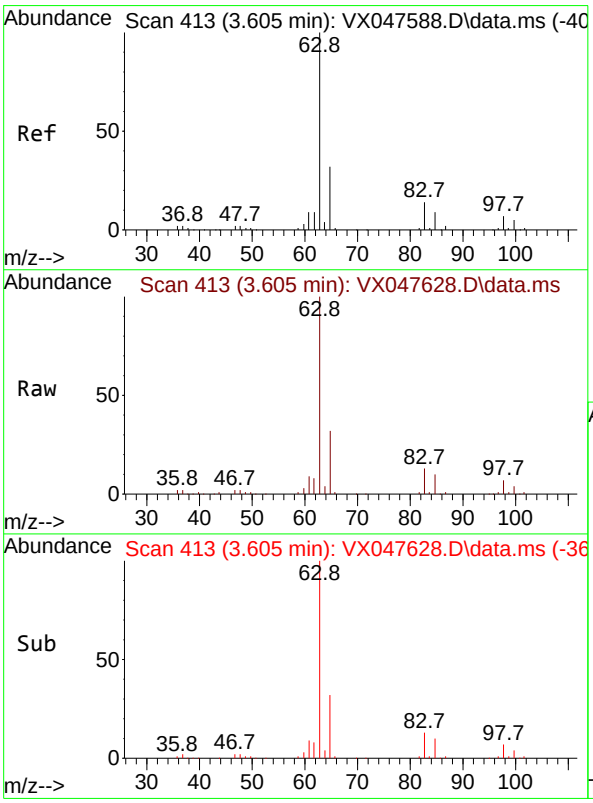
#23
Vinyl Acetate
Concen: 251.106 ug/l
RT: 3.715 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX047628.D
Acq: 17 Sep 2025 18:40

Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MSD

Tgt Ion: 43 Resp: 1484751

Ion	Ratio	Lower	Upper
43	100		
86	9.6	7.8	11.8

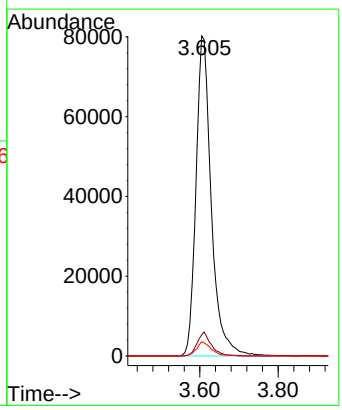


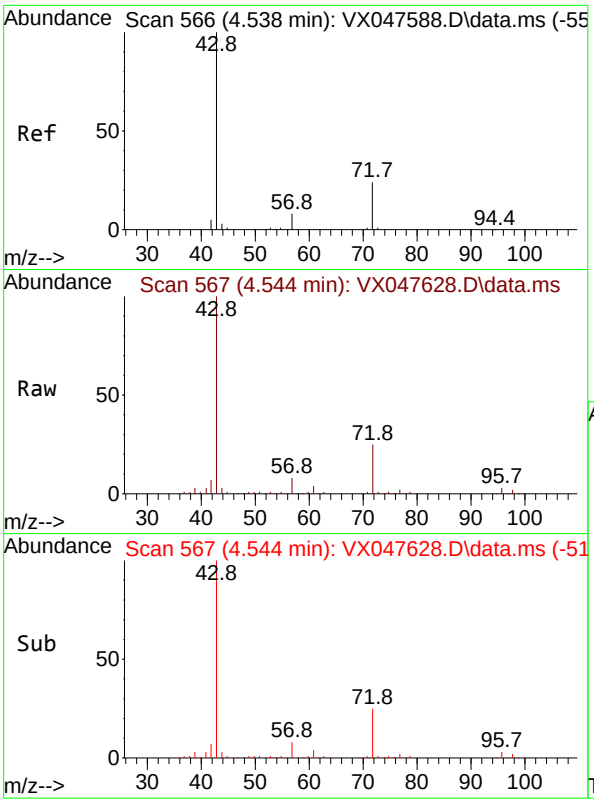


#24
1,1-Dichloroethane
Concen: 55.577 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX047628.D
Acq: 17 Sep 2025 18:40

Tgt Ion: 63 Resp: 218234

Ion	Ratio	Lower	Upper
63	100		
98	6.6	3.8	11.2
100	4.4	2.3	6.9



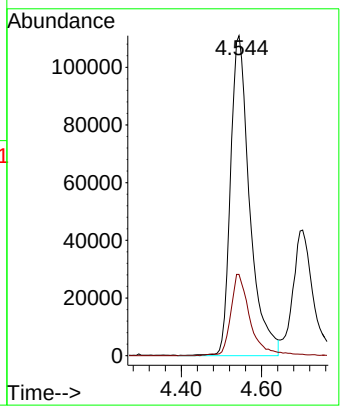


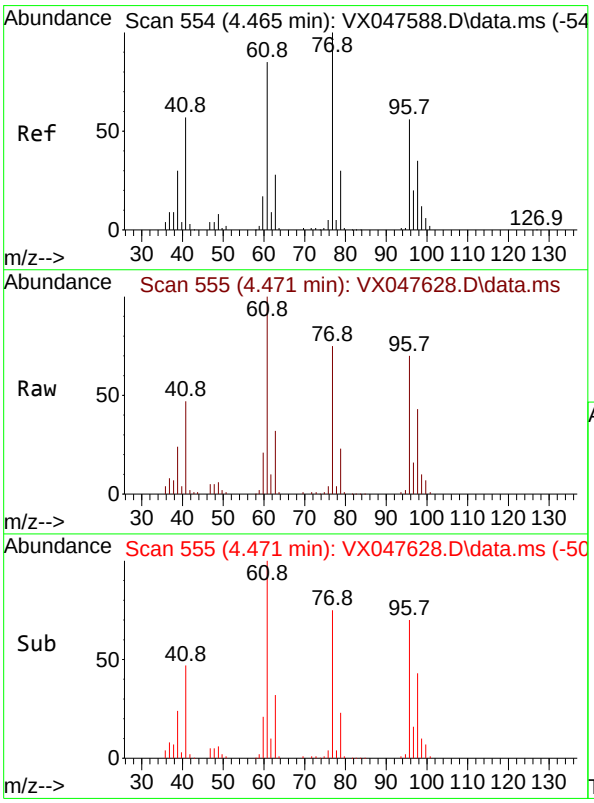
#25
2-Butanone
Concen: 274.548 ug/l
RT: 4.544 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX047628.D
Acq: 17 Sep 2025 18:40

Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MSD

Tgt Ion: 43 Resp: 368532

Ion	Ratio	Lower	Upper
43	100		
72	25.6	20.1	30.1

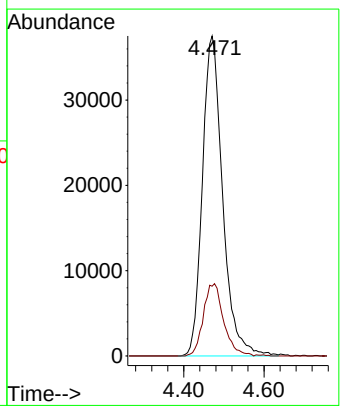


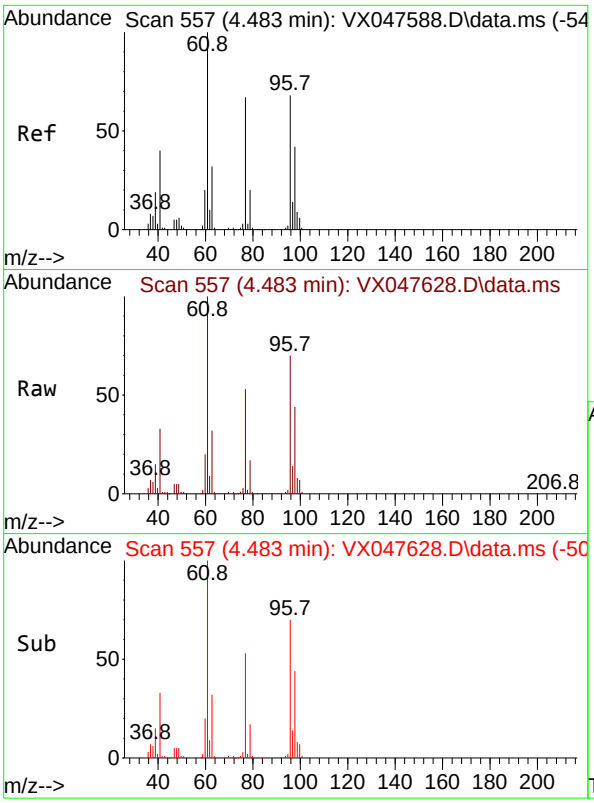


#26
2,2-Dichloropropane
Concen: 40.293 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX047628.D
Acq: 17 Sep 2025 18:40

Tgt Ion: 77 Resp: 131521

Ion	Ratio	Lower	Upper
77	100		
97	22.6	10.9	32.7



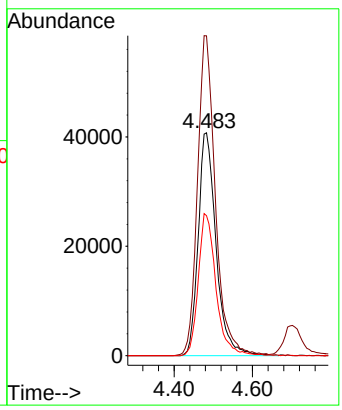


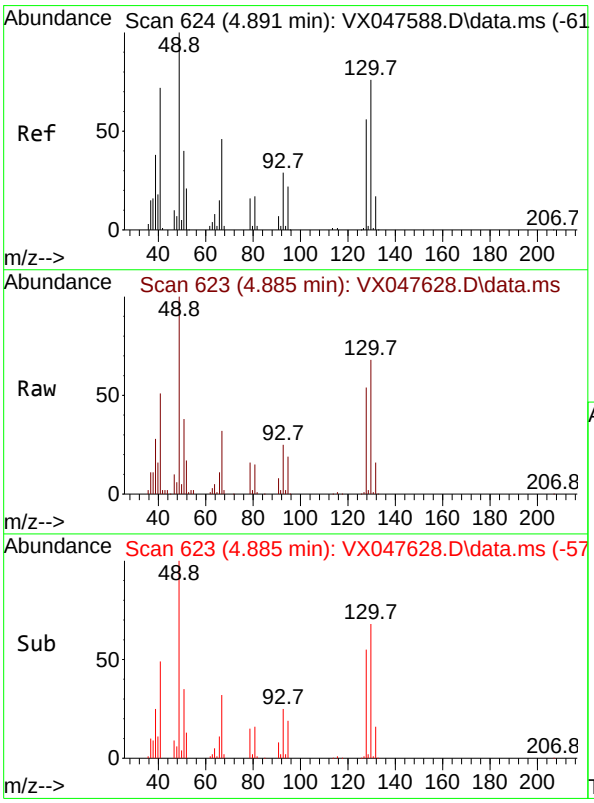
#27
cis-1,2-Dichloroethene
Concen: 53.024 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX047628.D
Acq: 17 Sep 2025 18:40

Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MSD

Tgt Ion: 96 Resp: 129152

Ion	Ratio	Lower	Upper
96	100		
61	144.1	0.0	303.2
98	63.1	0.0	127.8

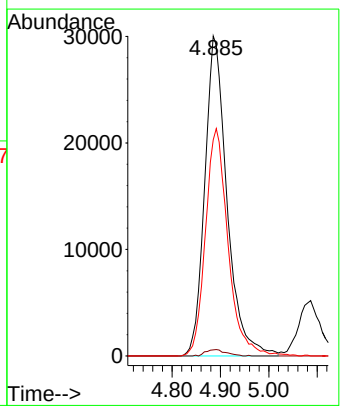


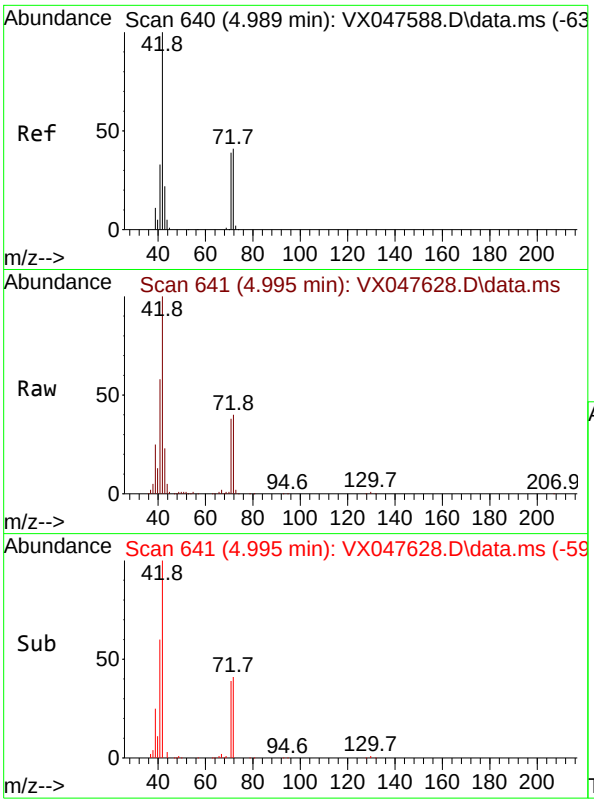


#28
Bromochloromethane
Concen: 56.105 ug/l
RT: 4.885 min Scan# 623
Delta R.T. -0.006 min
Lab File: VX047628.D
Acq: 17 Sep 2025 18:40

Tgt Ion: 49 Resp: 96180

Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.2
130	72.1	57.8	86.8



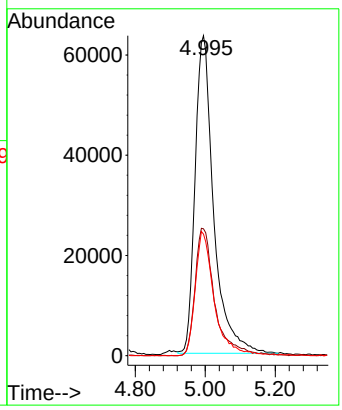


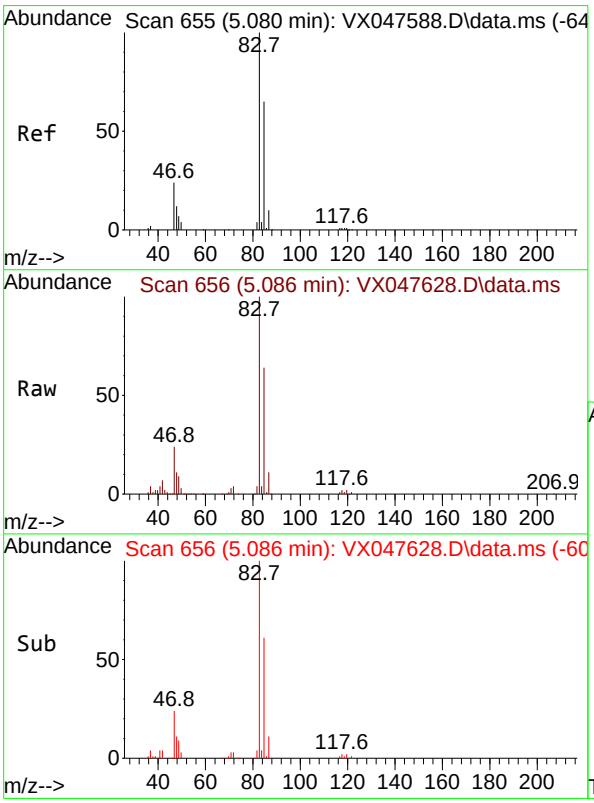
#29
Tetrahydrofuran
Concen: 289.109 ug/l
RT: 4.995 min Scan# 64
Delta R.T. 0.006 min
Lab File: VX047628.D
Acq: 17 Sep 2025 18:40

Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MSD

Tgt Ion: 42 Resp: 233459

Ion	Ratio	Lower	Upper
42	100		
72	42.2	34.2	51.2
71	39.7	31.9	47.9

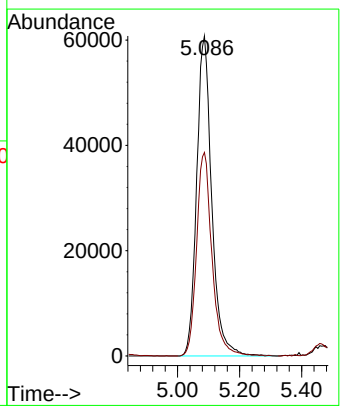


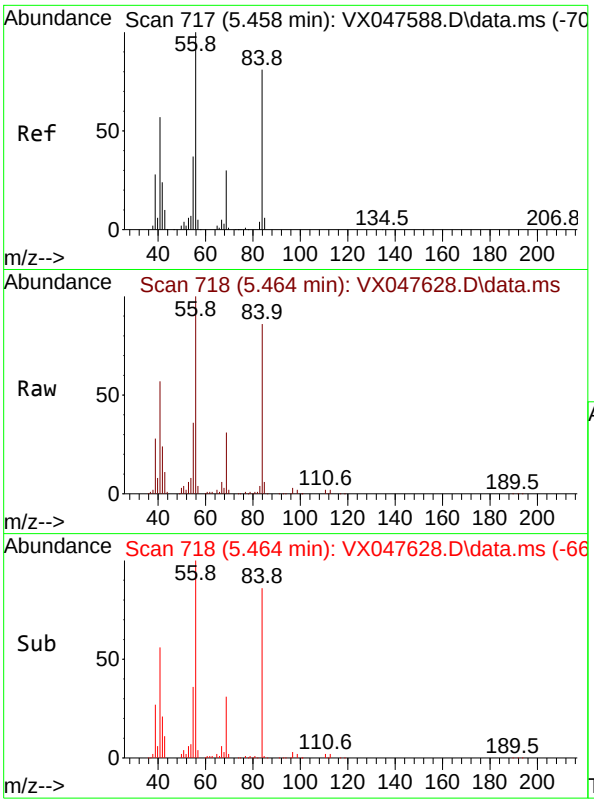


#30
Chloroform
Concen: 51.472 ug/l
RT: 5.086 min Scan# 656
Delta R.T. 0.006 min
Lab File: VX047628.D
Acq: 17 Sep 2025 18:40

Tgt Ion: 83 Resp: 204242

Ion	Ratio	Lower	Upper
83	100		
85	63.6	51.8	77.6



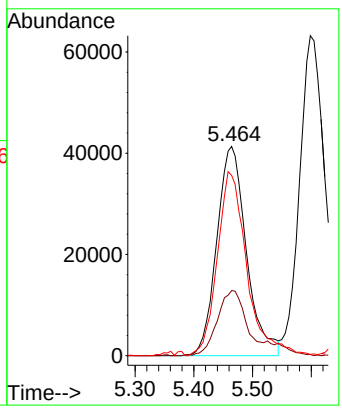


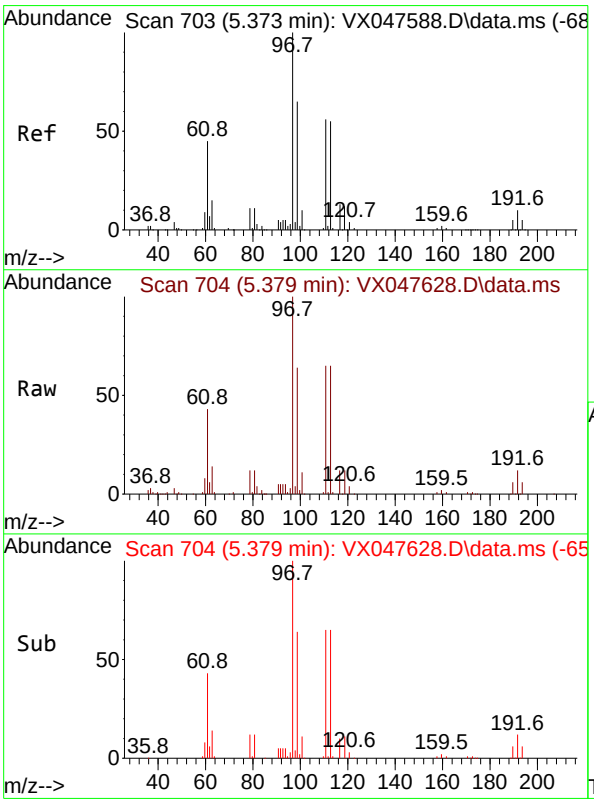
#31
Cyclohexane
Concen: 44.167 ug/l
RT: 5.464 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047628.D
Acq: 17 Sep 2025 18:40

Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MSD

Tgt Ion: 56 Resp: 144446

Ion	Ratio	Lower	Upper
56	100		
69	30.8	23.8	35.8
84	84.3	64.6	97.0

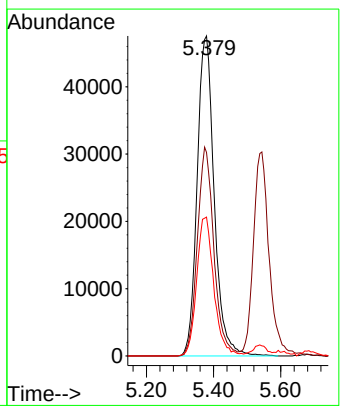


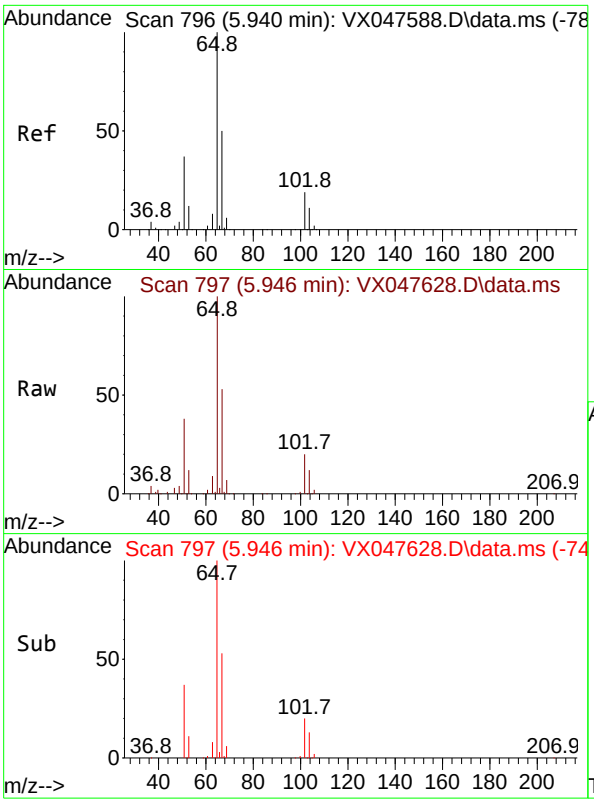


#32
1,1,1-Trichloroethane
Concen: 49.907 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX047628.D
Acq: 17 Sep 2025 18:40

Tgt Ion: 97 Resp: 167974

Ion	Ratio	Lower	Upper
97	100		
99	63.1	50.6	76.0
61	43.8	35.8	53.8



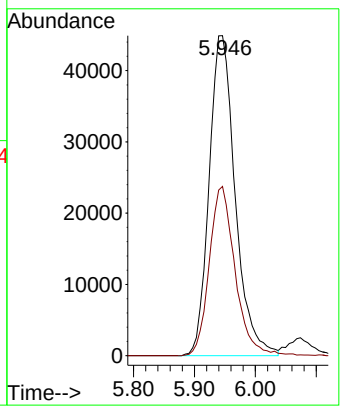


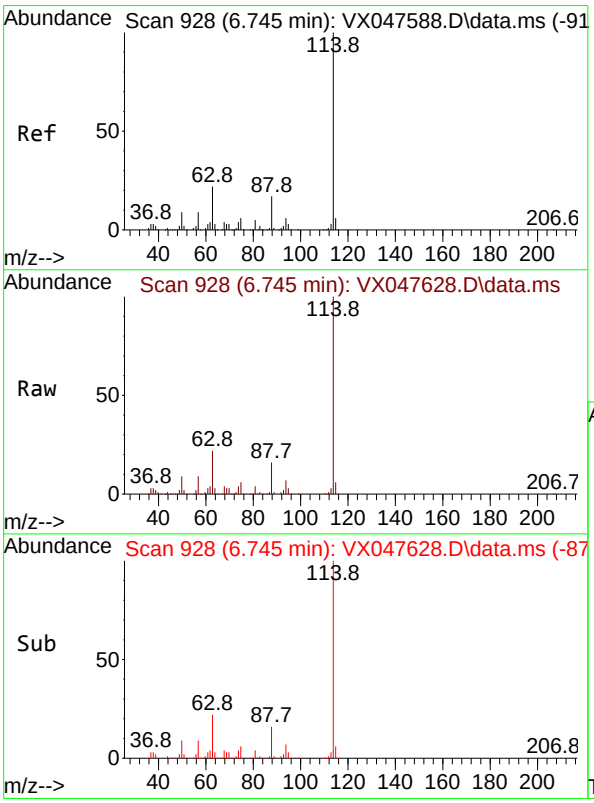
#33
1,2-Dichloroethane-d4
Concen: 53.973 ug/l
RT: 5.946 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047628.D
Acq: 17 Sep 2025 18:40

Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MSD

Tgt Ion: 65 Resp: 133581

Ion	Ratio	Lower	Upper
65	100		
67	52.4	0.0	103.0

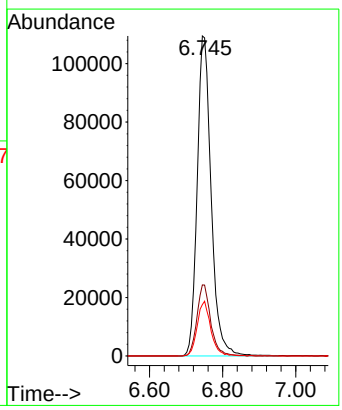


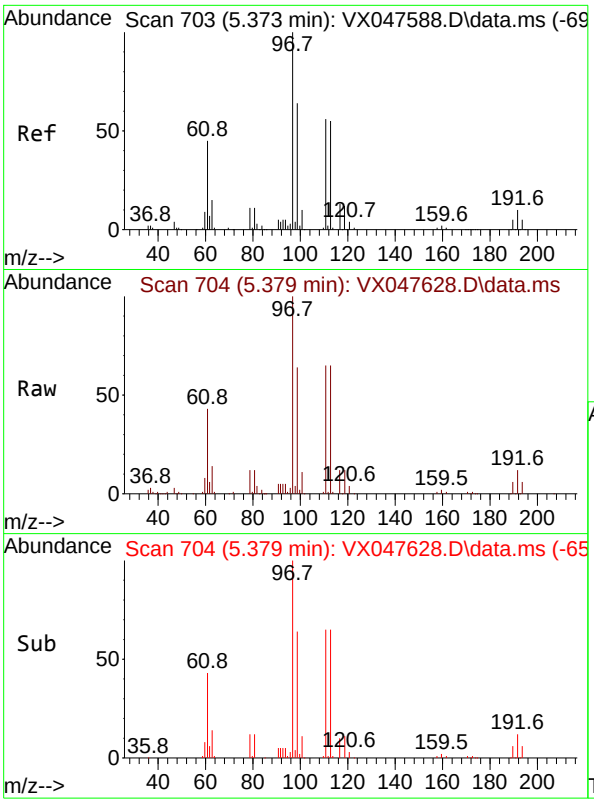


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 928
Delta R.T. -0.000 min
Lab File: VX047628.D
Acq: 17 Sep 2025 18:40

Tgt Ion:114 Resp: 290897

Ion	Ratio	Lower	Upper
114	100		
63	22.2	0.0	44.0
88	16.0	0.0	34.2



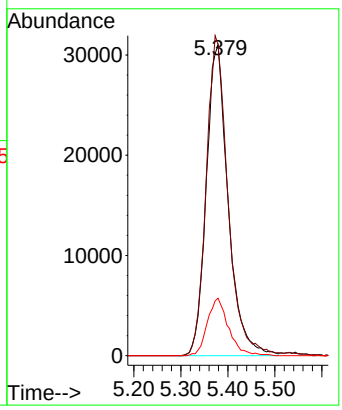


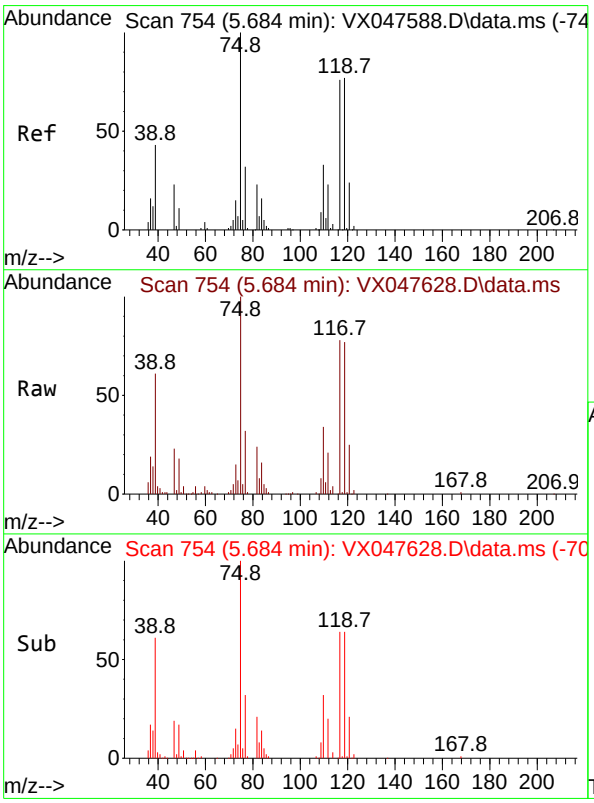
#35
Dibromofluoromethane
Concen: 51.400 ug/l
RT: 5.379 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047628.D
Acq: 17 Sep 2025 18:40

Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MSD

Tgt Ion:113 Resp: 100277

Ion	Ratio	Lower	Upper
113	100		
111	102.5	80.9	121.3
192	18.0	14.2	21.4

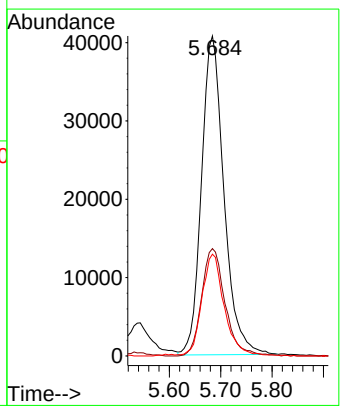


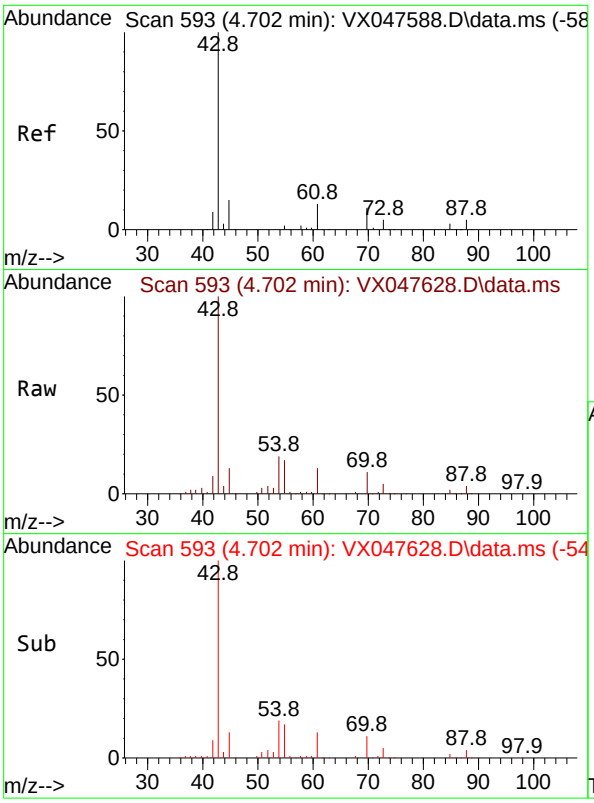


#36
1,1-Dichloropropene
Concen: 43.375 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.000 min
Lab File: VX047628.D
Acq: 17 Sep 2025 18:40

Tgt Ion: 75 Resp: 123652

Ion	Ratio	Lower	Upper
75	100		
110	35.1	16.7	50.1
77	32.0	24.3	36.5



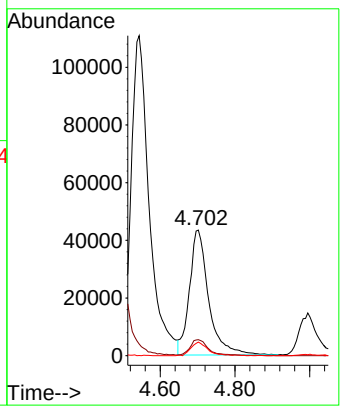


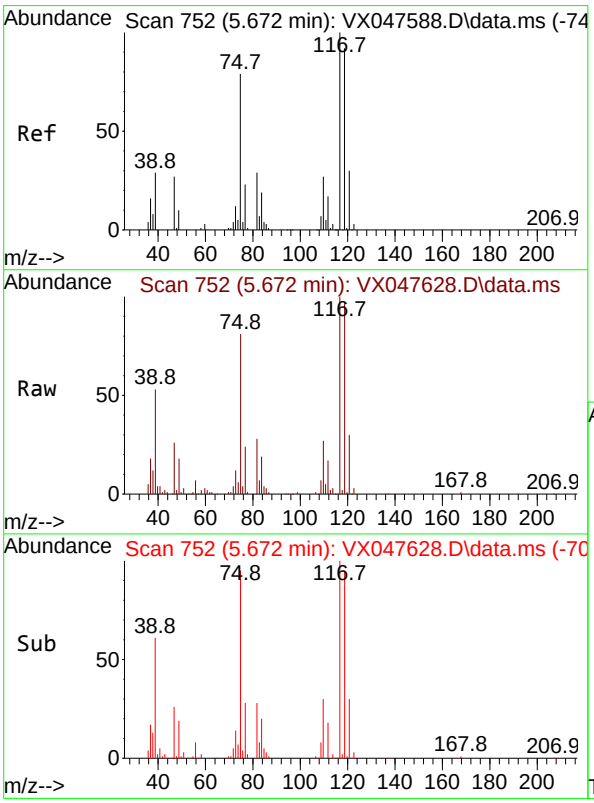
#37
Ethyl Acetate
Concen: 50.641 ug/l
RT: 4.702 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX047628.D
Acq: 17 Sep 2025 18:40

Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MSD

Tgt Ion: 43 Resp: 154573

Ion	Ratio	Lower	Upper
43	100		
61	11.8	9.8	14.8
70	9.4	7.9	11.9

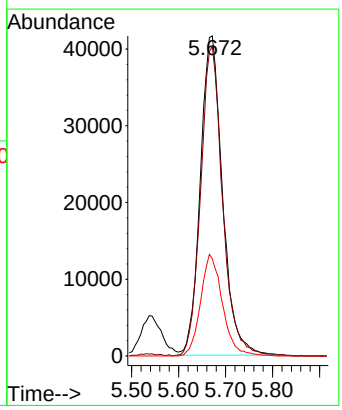


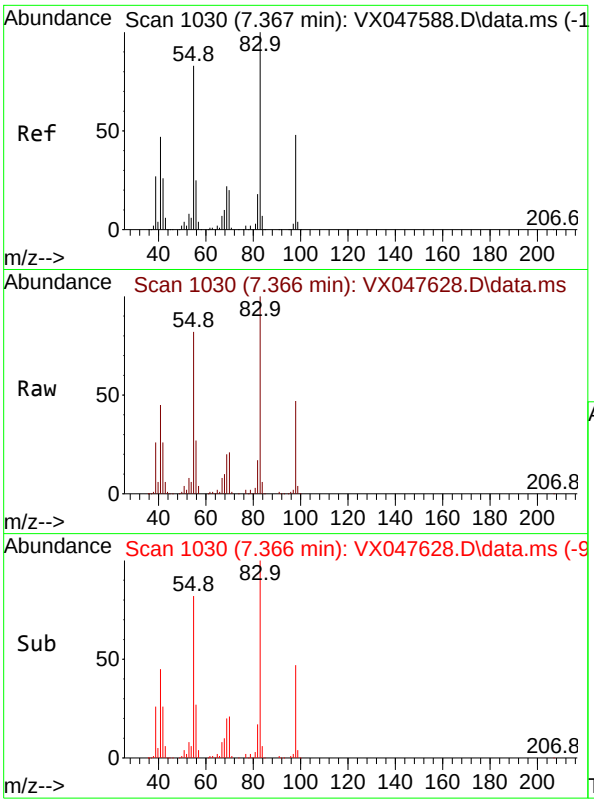


#38
Carbon Tetrachloride
Concen: 44.018 ug/l
RT: 5.672 min Scan# 752
Delta R.T. -0.000 min
Lab File: VX047628.D
Acq: 17 Sep 2025 18:40

Tgt Ion:117 Resp: 136341

Ion	Ratio	Lower	Upper
117	100		
119	96.7	73.4	110.2
121	30.5	23.8	35.6



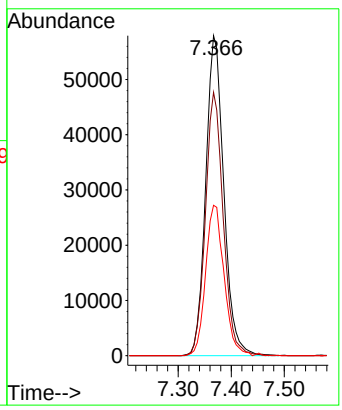


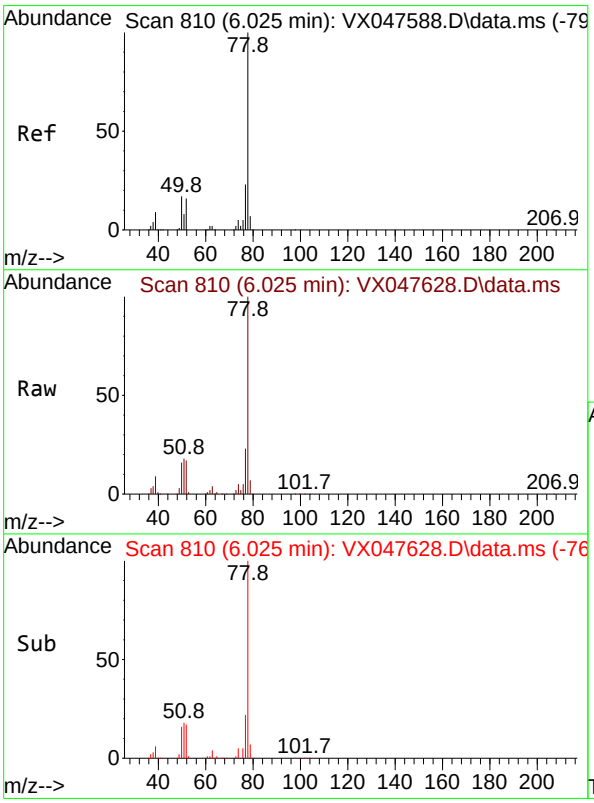
#39
Methylcyclohexane
Concen: 42.377 ug/l
RT: 7.366 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047628.D
Acq: 17 Sep 2025 18:40

Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MSD

Tgt Ion: 83 Resp: 137131

Ion	Ratio	Lower	Upper
83	100		
55	82.3	66.4	99.6
98	47.0	38.1	57.1

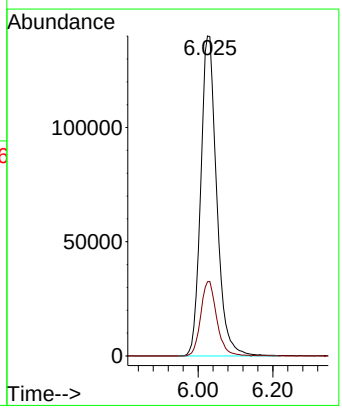


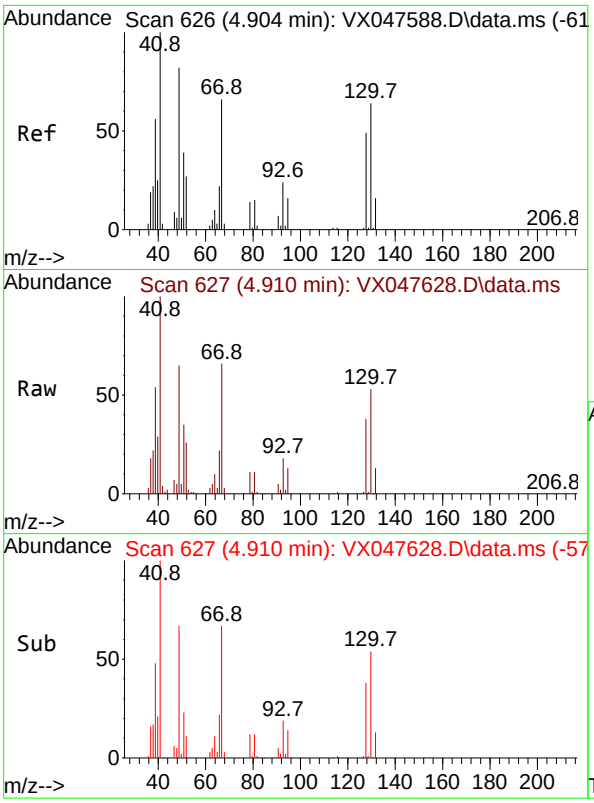


#40
Benzene
Concen: 47.890 ug/l
RT: 6.025 min Scan# 810
Delta R.T. -0.000 min
Lab File: VX047628.D
Acq: 17 Sep 2025 18:40

Tgt Ion: 78 Resp: 414655

Ion	Ratio	Lower	Upper
78	100		
77	23.2	18.8	28.2



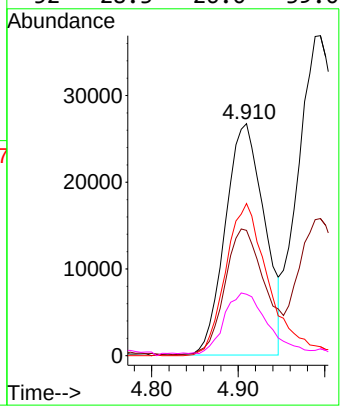


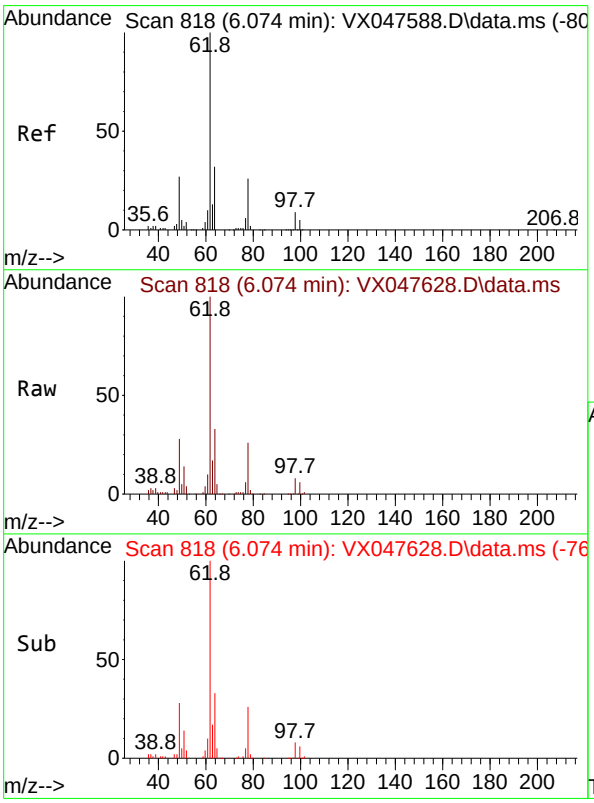
#41
Methacrylonitrile
Concen: 53.262 ug/l
RT: 4.910 min Scan# 6
Delta R.T. 0.006 min
Lab File: VX047628.D
Acq: 17 Sep 2025 18:40

Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MSD

Tgt Ion: 41 Resp: 83930

Ion	Ratio	Lower	Upper
41	100		
39	56.1	43.3	64.9
67	73.7	58.6	87.8
52	28.3	26.0	39.0

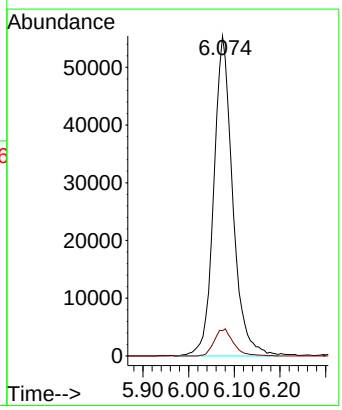


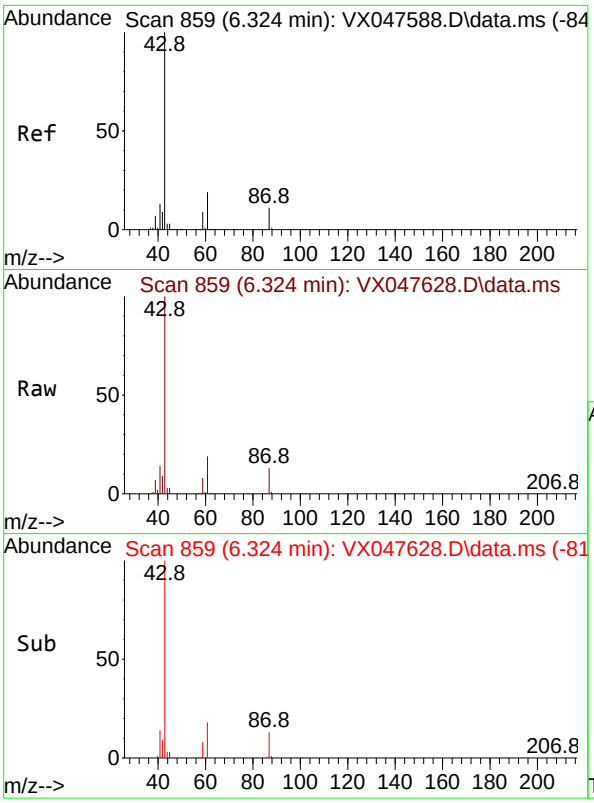


#42
1,2-Dichloroethane
Concen: 48.433 ug/l
RT: 6.074 min Scan# 818
Delta R.T. -0.000 min
Lab File: VX047628.D
Acq: 17 Sep 2025 18:40

Tgt Ion: 62 Resp: 159558

Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	17.0



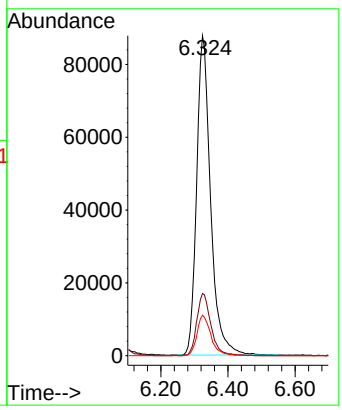


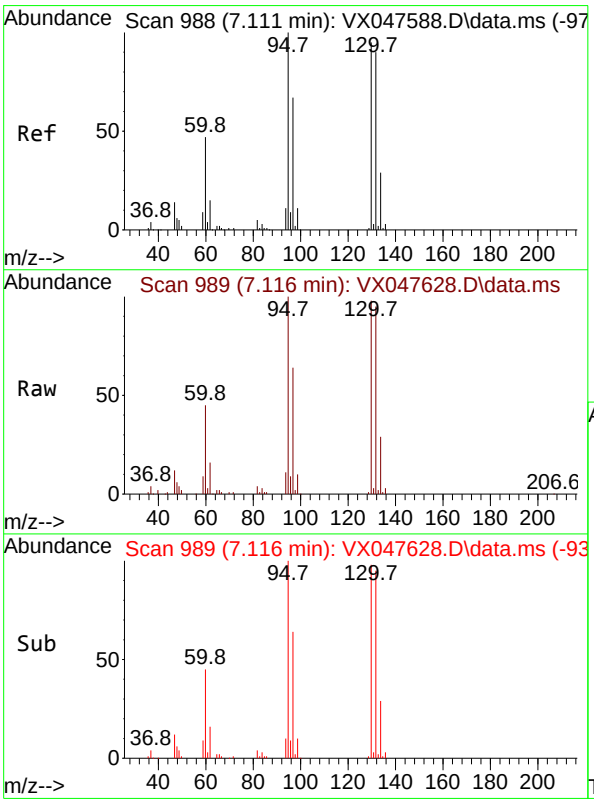
#43
Isopropyl Acetate
Concen: 50.592 ug/l
RT: 6.324 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX047628.D
Acq: 17 Sep 2025 18:40

Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MSD

Tgt Ion: 43 Resp: 253264

Ion	Ratio	Lower	Upper
43	100		
61	19.8	15.2	22.8
87	12.6	9.6	14.4

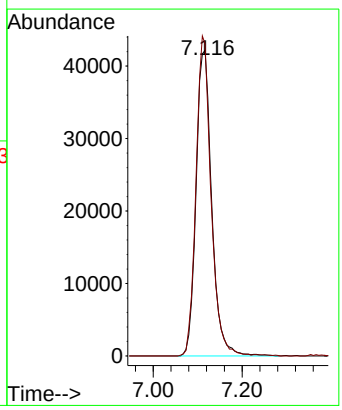


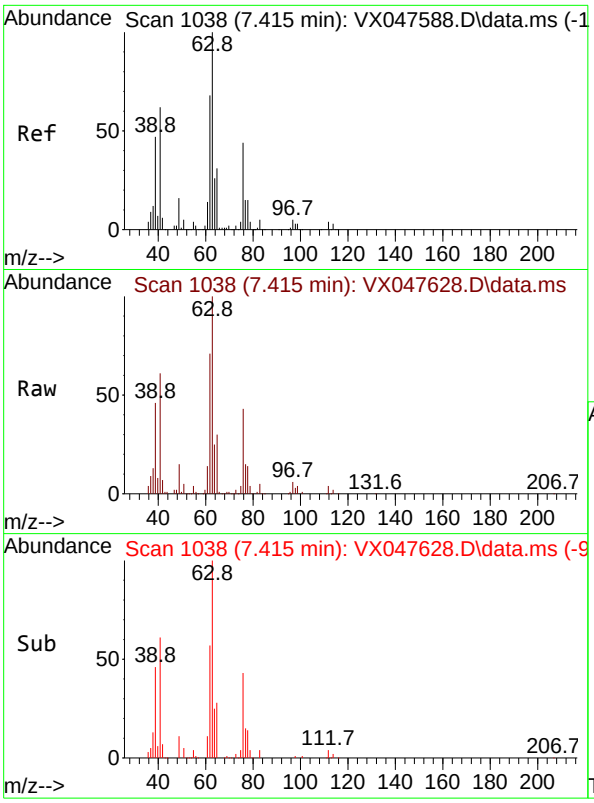


#44
Trichloroethene
Concen: 49.394 ug/l
RT: 7.116 min Scan# 989
Delta R.T. 0.006 min
Lab File: VX047628.D
Acq: 17 Sep 2025 18:40

Tgt Ion:130 Resp: 103396

Ion	Ratio	Lower	Upper
130	100		
95	102.0	0.0	210.8



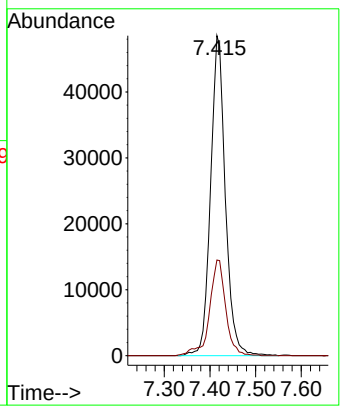


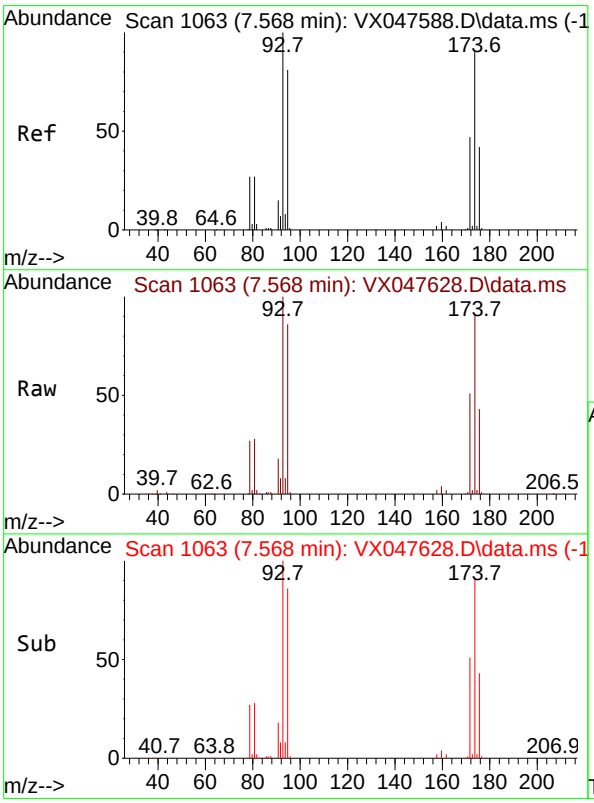
#45
1,2-Dichloropropane
Concen: 49.175 ug/l
RT: 7.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047628.D
Acq: 17 Sep 2025 18:40

Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MSD

Tgt Ion: 63 Resp: 109025

Ion	Ratio	Lower	Upper
63	100		
65	29.9	24.7	37.1

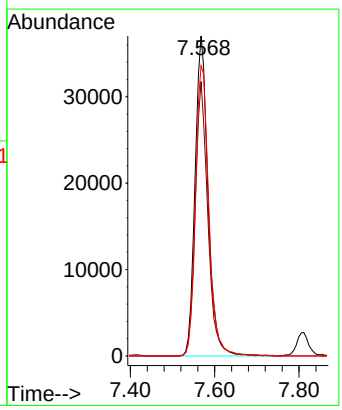


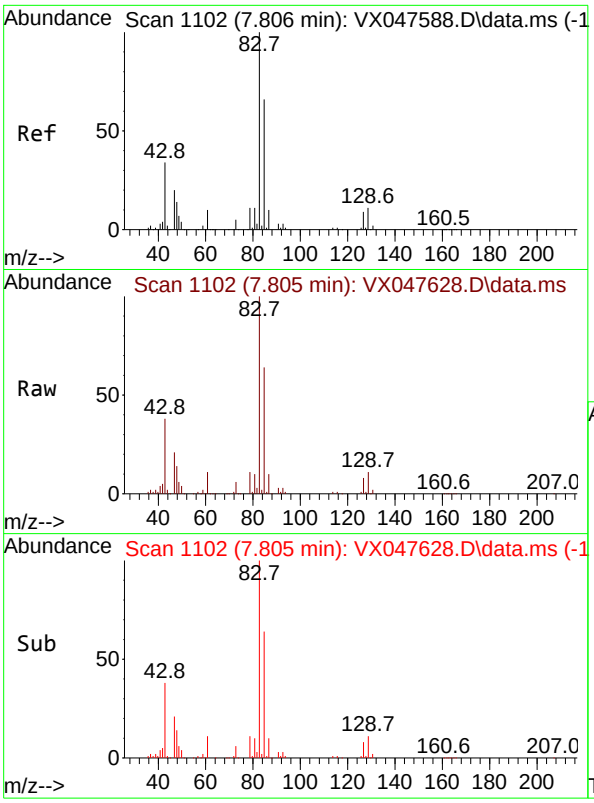


#46
Dibromomethane
Concen: 49.171 ug/l
RT: 7.568 min Scan# 1063
Delta R.T. -0.000 min
Lab File: VX047628.D
Acq: 17 Sep 2025 18:40

Tgt Ion: 93 Resp: 79332

Ion	Ratio	Lower	Upper
93	100		
95	83.6	65.0	97.6
174	92.8	71.6	107.4



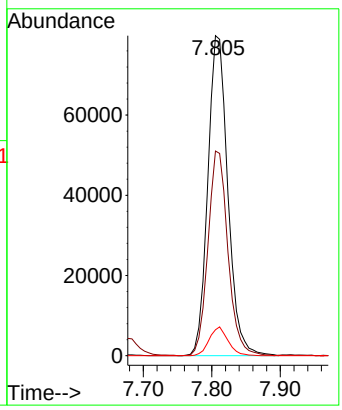


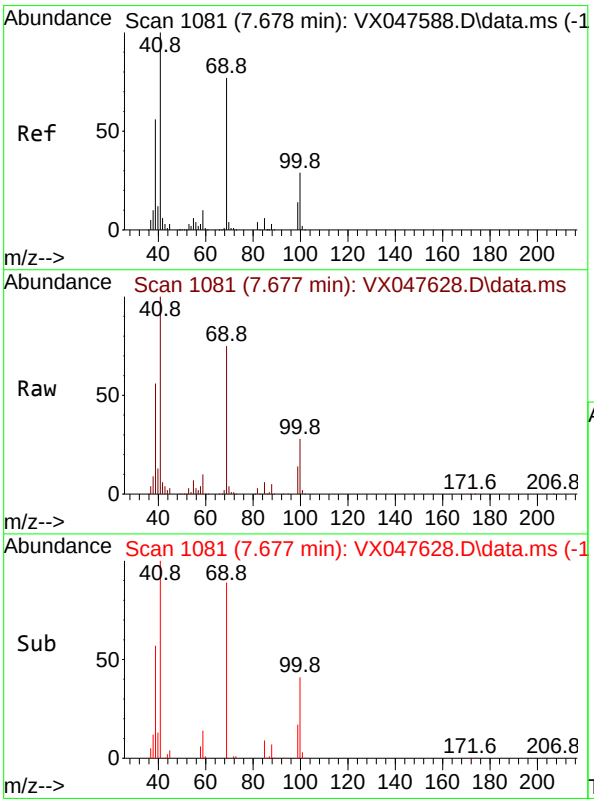
#47
Bromodichloromethane
Concen: 48.717 ug/l
RT: 7.805 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX047628.D
Acq: 17 Sep 2025 18:40

Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MSD

Tgt Ion: 83 Resp: 162195

Ion	Ratio	Lower	Upper
83	100		
85	63.9	52.5	78.7
127	8.1	6.9	10.3

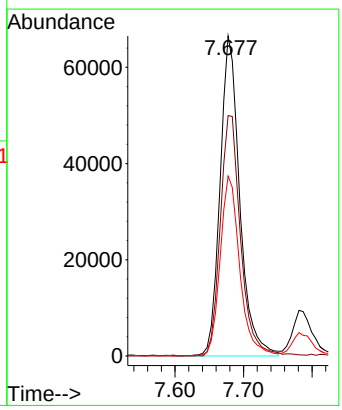


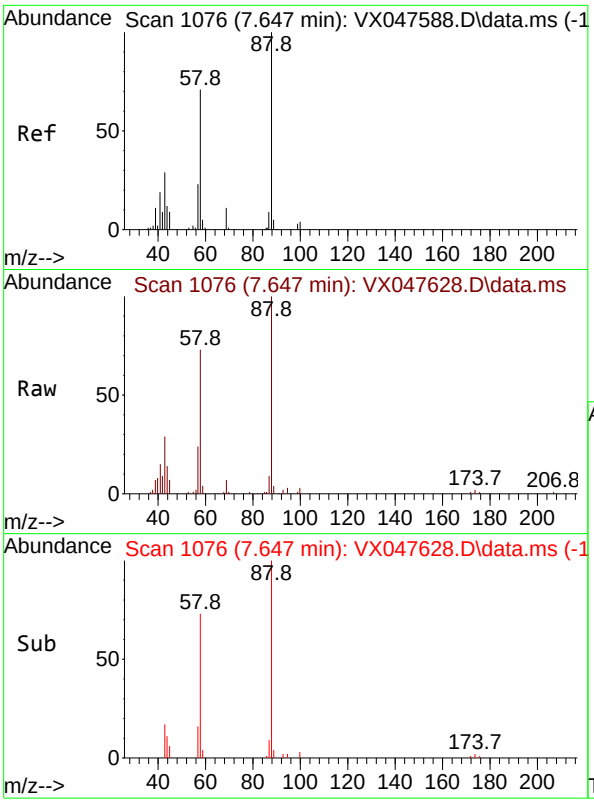


#48
Methyl methacrylate
Concen: 53.072 ug/l
RT: 7.677 min Scan# 1081
Delta R.T. -0.000 min
Lab File: VX047628.D
Acq: 17 Sep 2025 18:40

Tgt Ion: 41 Resp: 132337

Ion	Ratio	Lower	Upper
41	100		
69	77.8	61.4	92.2
39	56.1	45.8	68.6



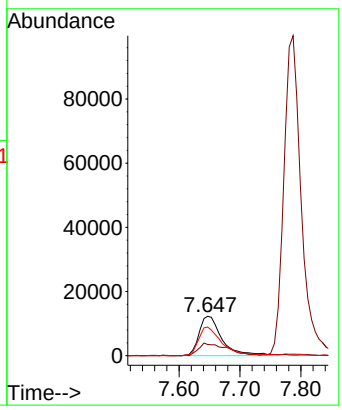


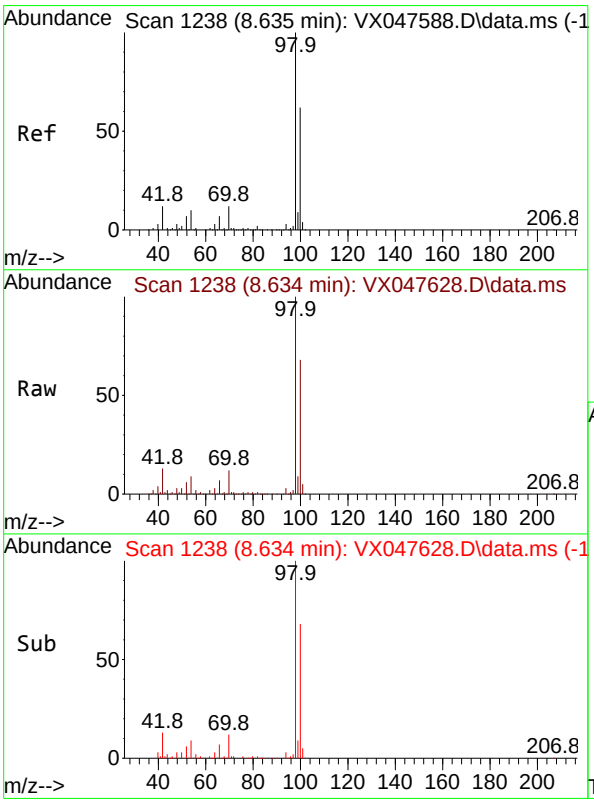
#49
1,4-Dioxane
Concen: 1278.808 ug/l
RT: 7.647 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047628.D
Acq: 17 Sep 2025 18:40

Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MSD

Tgt Ion: 88 Resp: 32226

Ion	Ratio	Lower	Upper
88	100		
43	39.6	30.2	45.2
58	74.8	59.5	89.3

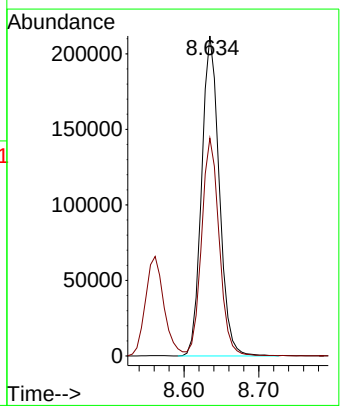


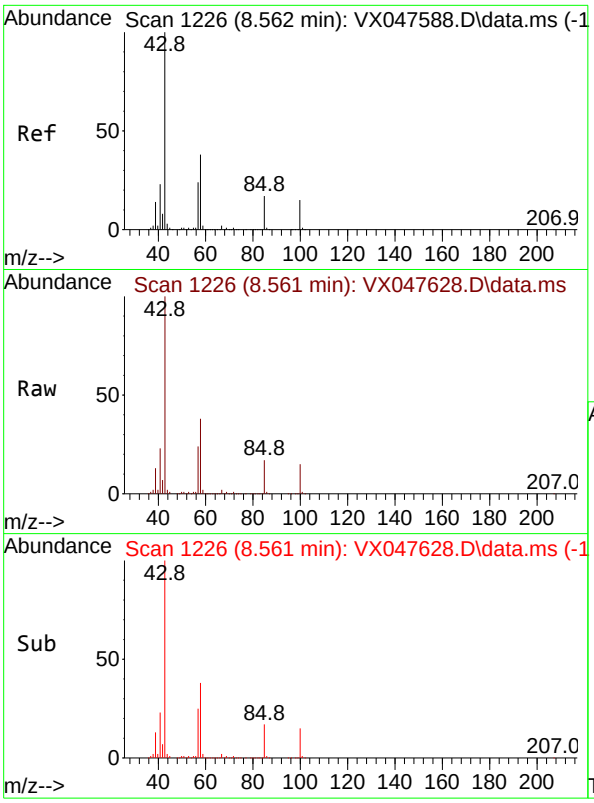


#50
Toluene-d8
Concen: 51.463 ug/l
RT: 8.634 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX047628.D
Acq: 17 Sep 2025 18:40

Tgt Ion: 98 Resp: 347403

Ion	Ratio	Lower	Upper
98	100		
100	67.8	53.0	79.4



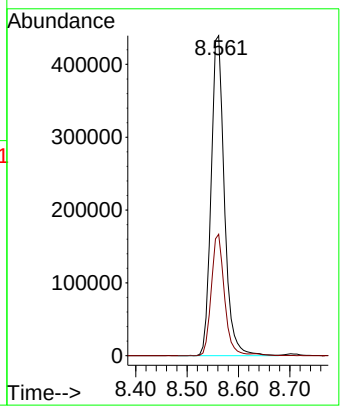


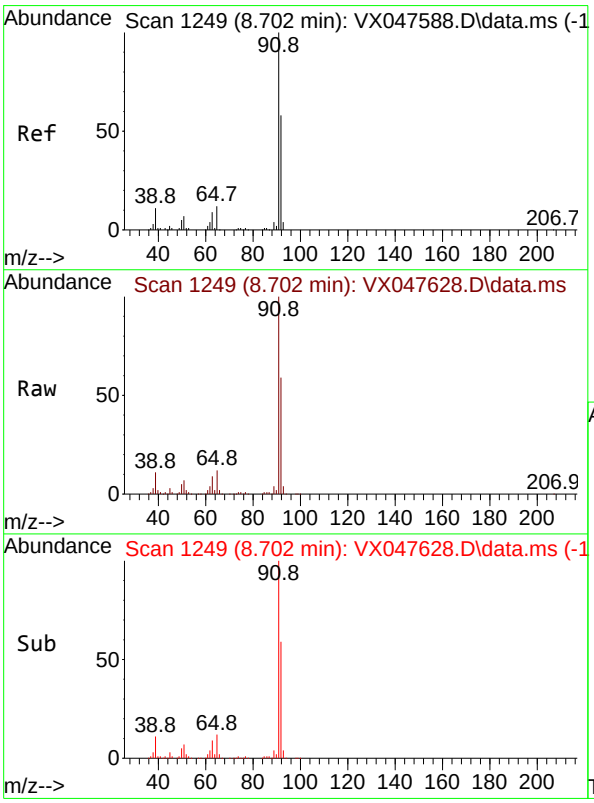
#51
4-Methyl-2-Pentanone
Concen: 284.455 ug/l
RT: 8.561 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047628.D
Acq: 17 Sep 2025 18:40

Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MSD

Tgt Ion: 43 Resp: 789521

Ion	Ratio	Lower	Upper
43	100		
58	37.5	30.3	45.5

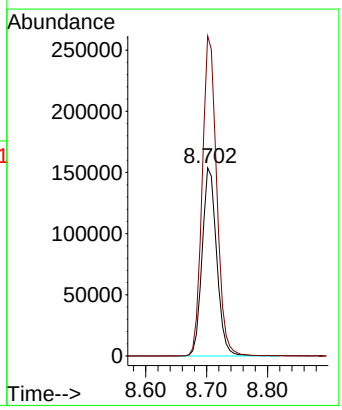


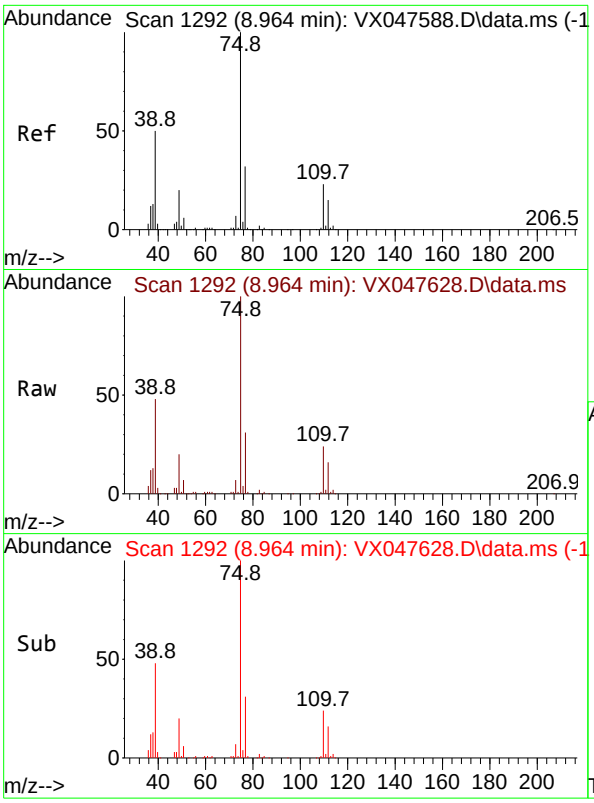


#52
Toluene
Concen: 47.862 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX047628.D
Acq: 17 Sep 2025 18:40

Tgt Ion: 92 Resp: 255317

Ion	Ratio	Lower	Upper
92	100		
91	169.5	137.1	205.7



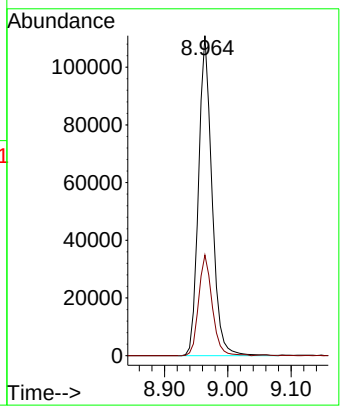


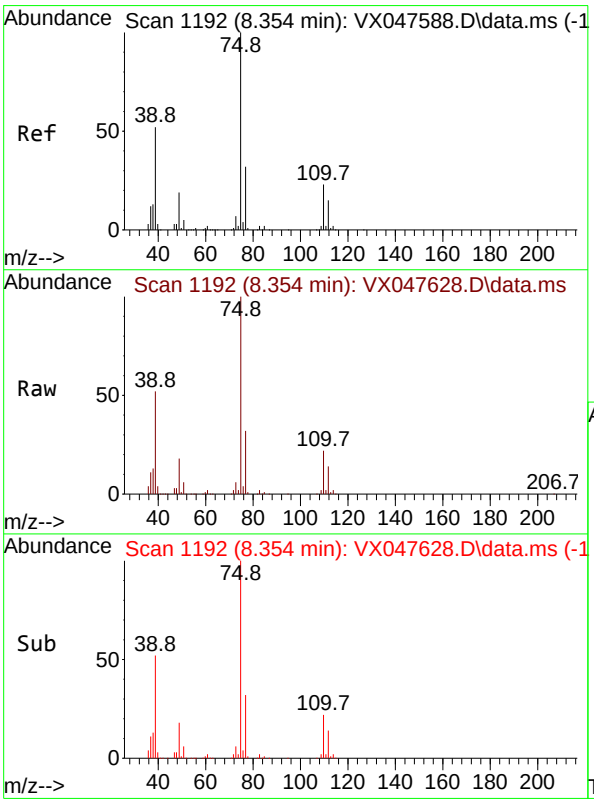
#53
t-1,3-Dichloropropene
Concen: 48.349 ug/l
RT: 8.964 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047628.D
Acq: 17 Sep 2025 18:40

Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MSD

Tgt Ion: 75 Resp: 164192

Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.4	38.2

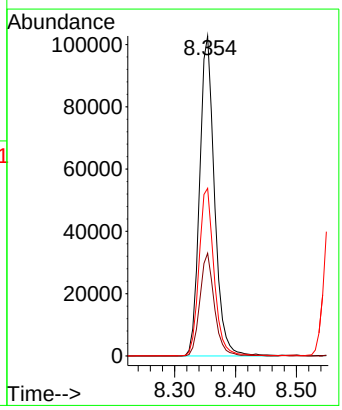


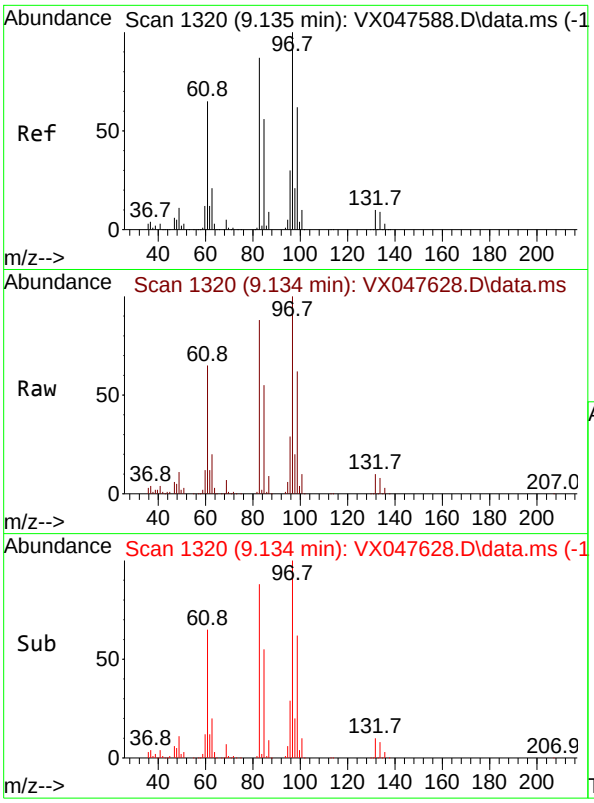


#54
cis-1,3-Dichloropropene
Concen: 47.992 ug/l
RT: 8.354 min Scan# 1192
Delta R.T. -0.000 min
Lab File: VX047628.D
Acq: 17 Sep 2025 18:40

Tgt Ion: 75 Resp: 174198

Ion	Ratio	Lower	Upper
75	100		
77	32.1	25.8	38.6
39	51.7	41.4	62.2



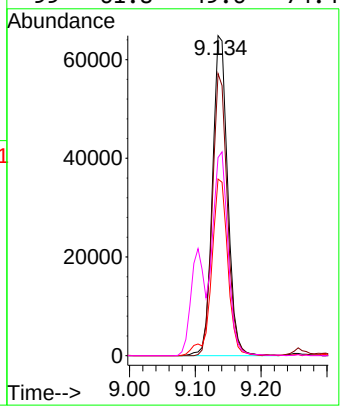


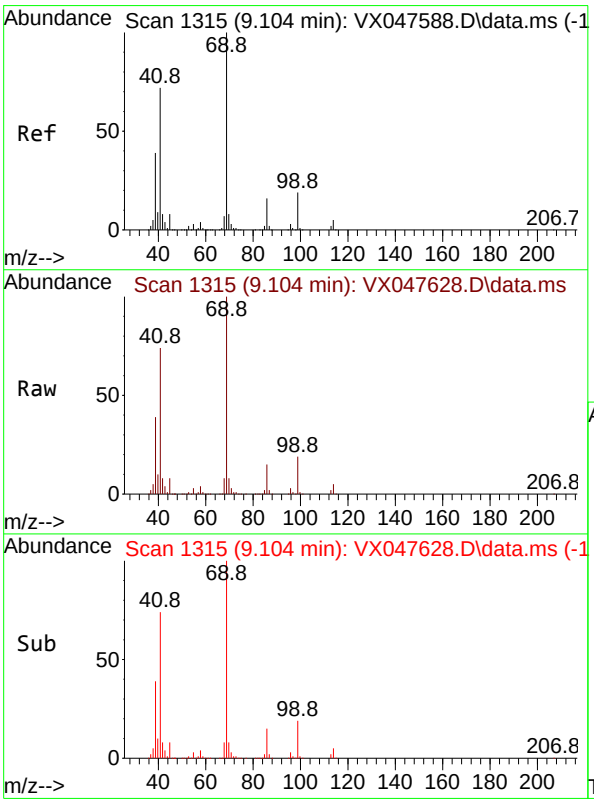
#55
1,1,2-Trichloroethane
Concen: 50.732 ug/l
RT: 9.134 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047628.D
Acq: 17 Sep 2025 18:40

Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MSD

Tgt Ion: 97 Resp: 104353

Ion	Ratio	Lower	Upper
97	100		
83	88.1	69.6	104.4
85	55.2	45.0	67.6
99	61.8	49.6	74.4

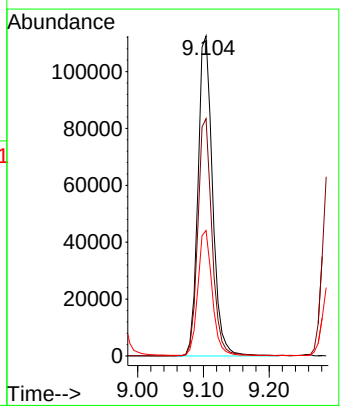


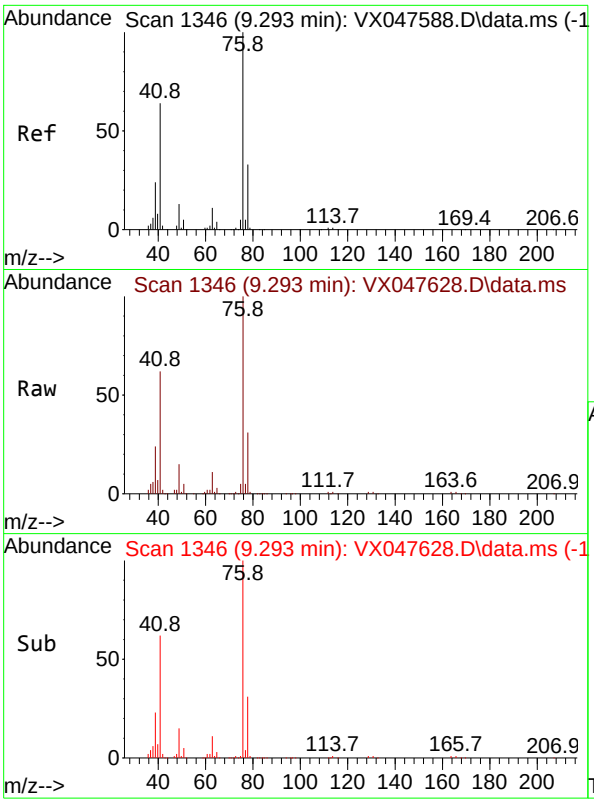


#56
Ethyl methacrylate
Concen: 53.669 ug/l
RT: 9.104 min Scan# 1315
Delta R.T. -0.000 min
Lab File: VX047628.D
Acq: 17 Sep 2025 18:40

Tgt Ion: 69 Resp: 173371

Ion	Ratio	Lower	Upper
69	100		
41	72.0	58.6	87.8
39	38.4	31.5	47.3



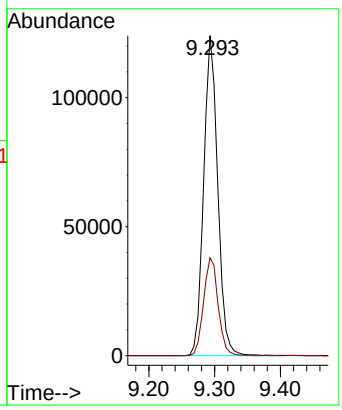


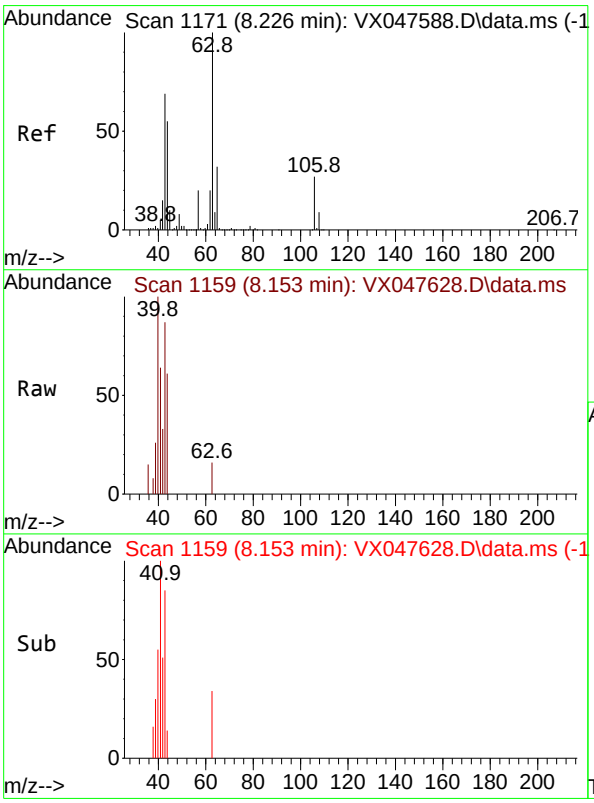
#57
1,3-Dichloropropane
Concen: 52.061 ug/l
RT: 9.293 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047628.D
Acq: 17 Sep 2025 18:40

Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MSD

Tgt Ion: 76 Resp: 183956

Ion	Ratio	Lower	Upper
76	100		
78	31.6	26.2	39.4

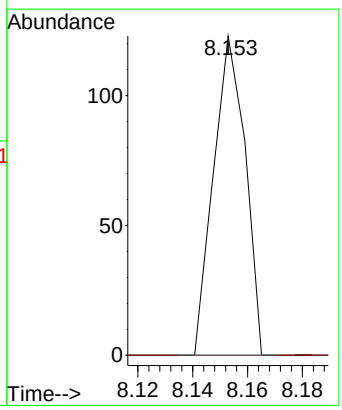


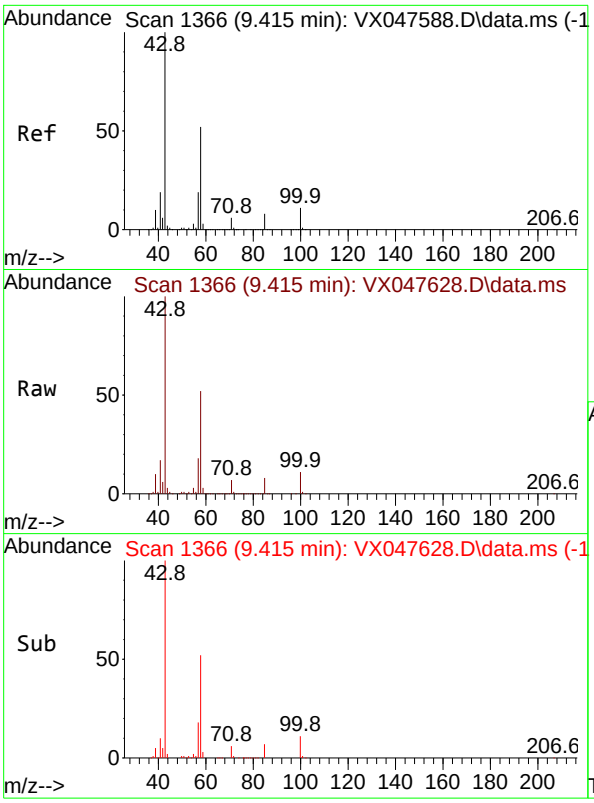


#58
2-Chloroethyl Vinyl ether
Concen: 7.956 ug/l
RT: 8.153 min Scan# 1159
Delta R.T. -0.073 min
Lab File: VX047628.D
Acq: 17 Sep 2025 18:40

Tgt Ion: 63 Resp: 98

Ion	Ratio	Lower	Upper
63	100		
106	0.0	21.9	32.9#



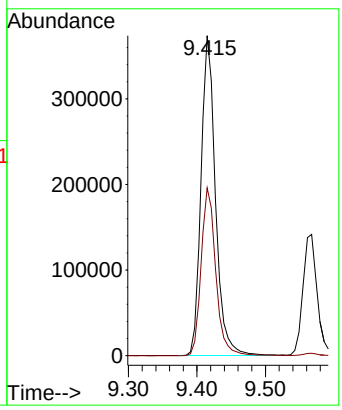


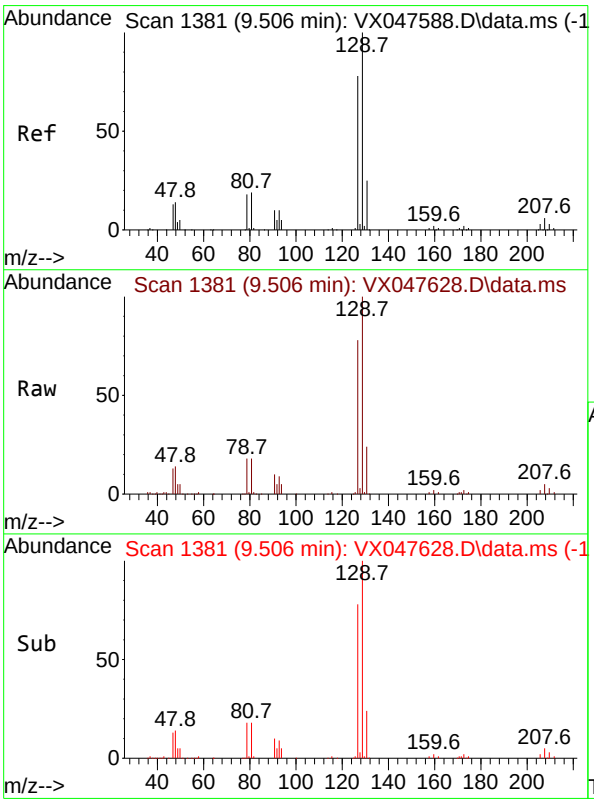
#59
2-Hexanone
Concen: 275.768 ug/l
RT: 9.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047628.D
Acq: 17 Sep 2025 18:40

Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MSD

Tgt Ion: 43 Resp: 549720

Ion	Ratio	Lower	Upper
43	100		
58	53.1	26.1	78.2

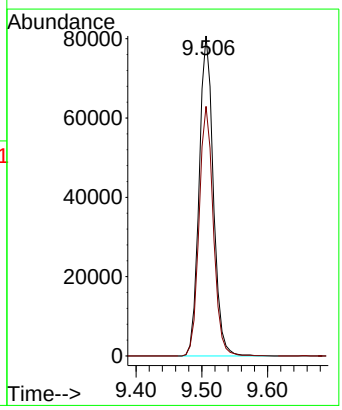


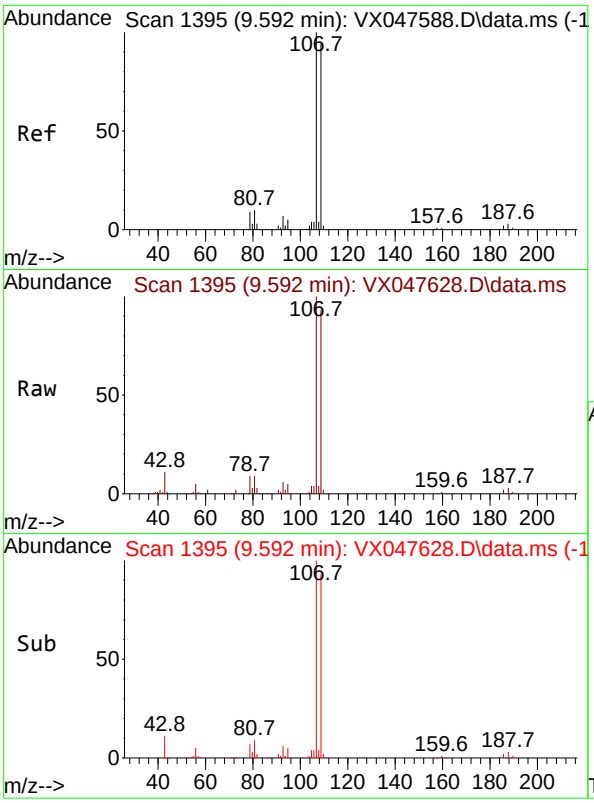


#60
Dibromochloromethane
Concen: 51.059 ug/l
RT: 9.506 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VX047628.D
Acq: 17 Sep 2025 18:40

Tgt Ion:129 Resp: 121012

Ion	Ratio	Lower	Upper
129	100		
127	78.2	38.4	115.2



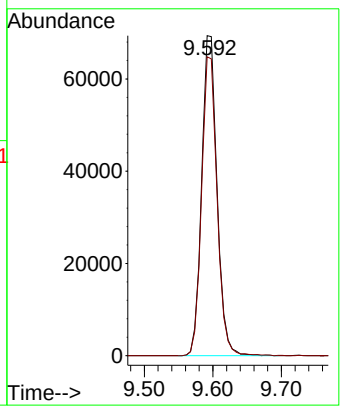


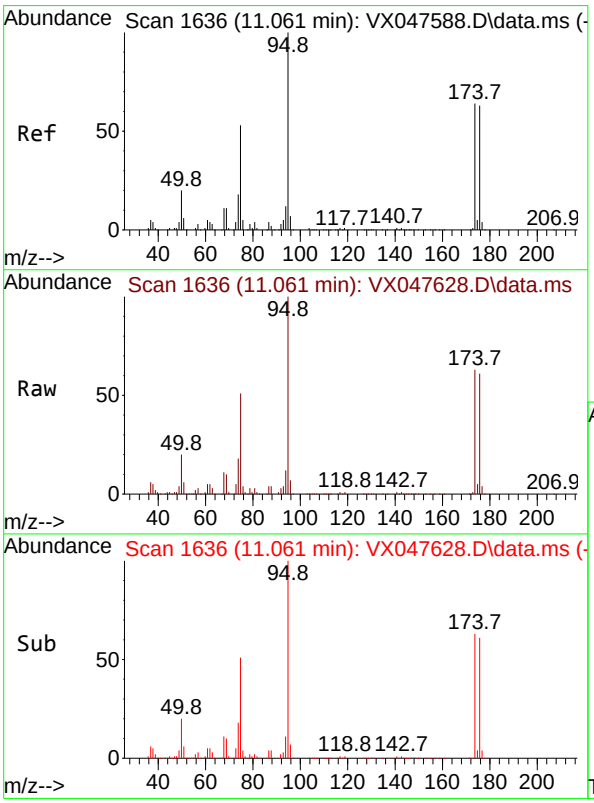
#61
1,2-Dibromoethane
Concen: 51.709 ug/l
RT: 9.592 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047628.D
Acq: 17 Sep 2025 18:40

Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MSD

Tgt Ion:107 Resp: 108335

Ion	Ratio	Lower	Upper
107	100		
109	94.0	75.3	112.9

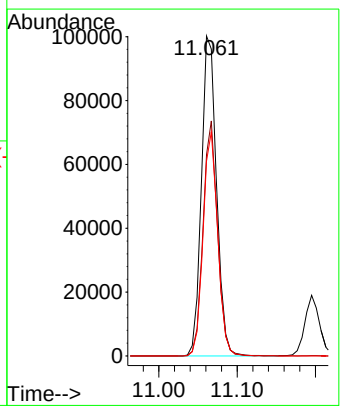


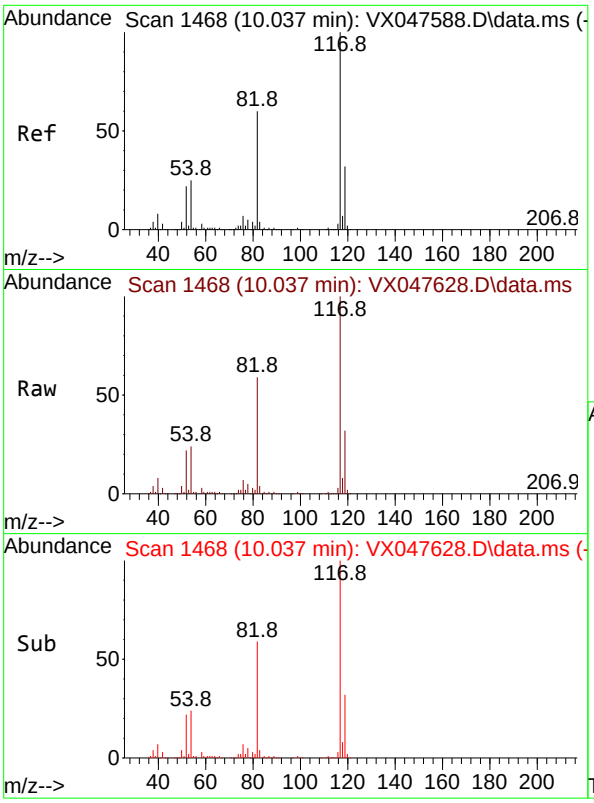


#62
4-Bromofluorobenzene
Concen: 52.307 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX047628.D
Acq: 17 Sep 2025 18:40

Tgt Ion: 95 Resp: 134008

Ion	Ratio	Lower	Upper
95	100		
174	70.1	0.0	141.6
176	67.7	0.0	138.4



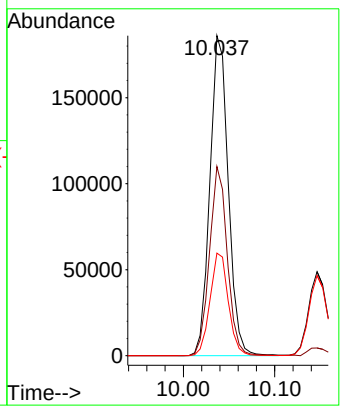


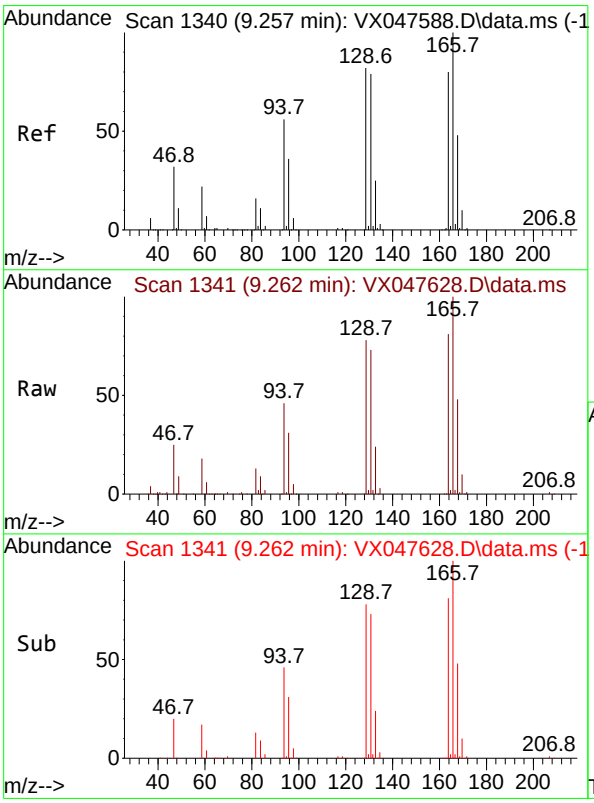
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047628.D
Acq: 17 Sep 2025 18:40

Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MSD

Tgt Ion:117 Resp: 259033

Ion	Ratio	Lower	Upper
117	100		
82	59.1	47.8	71.6
119	32.0	25.2	37.8

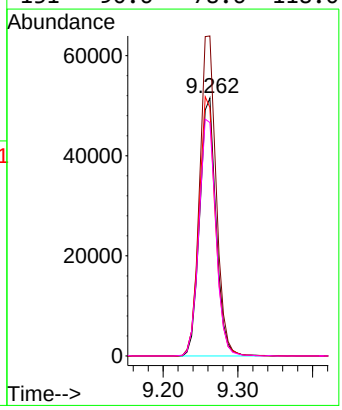


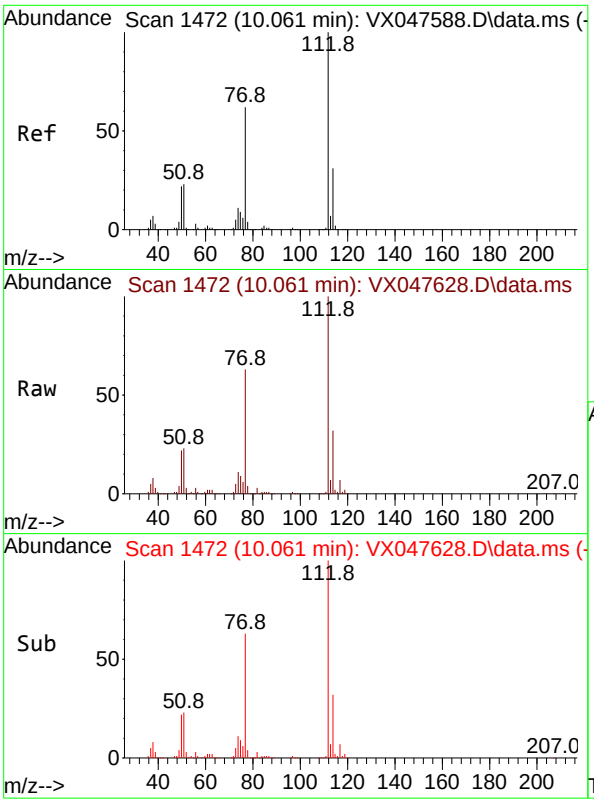


#64
Tetrachloroethene
Concen: 46.119 ug/l
RT: 9.262 min Scan# 1341
Delta R.T. 0.006 min
Lab File: VX047628.D
Acq: 17 Sep 2025 18:40

Tgt Ion:164 Resp: 77878

Ion	Ratio	Lower	Upper
164	100		
166	124.1	100.2	150.2
129	96.4	81.8	122.6
131	90.6	78.6	118.0



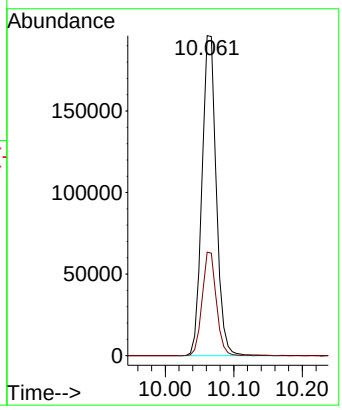


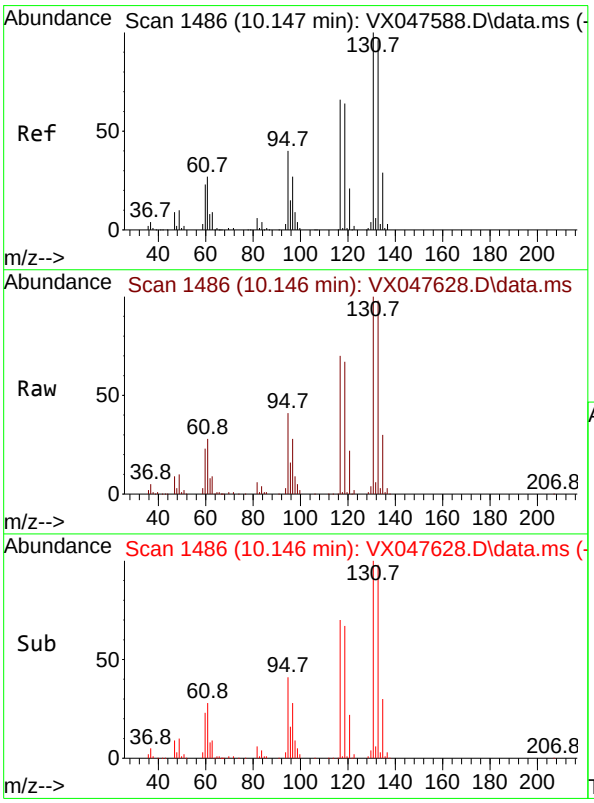
#65
Chlorobenzene
Concen: 48.462 ug/l
RT: 10.061 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047628.D
Acq: 17 Sep 2025 18:40

Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MSD

Tgt Ion:112 Resp: 285189

Ion	Ratio	Lower	Upper
112	100		
114	32.3	25.1	37.7

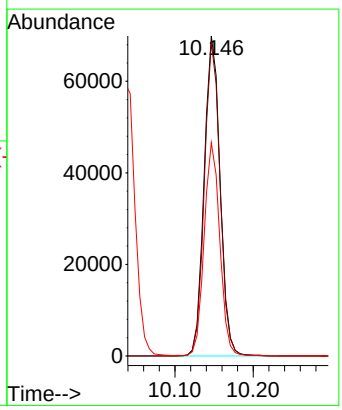


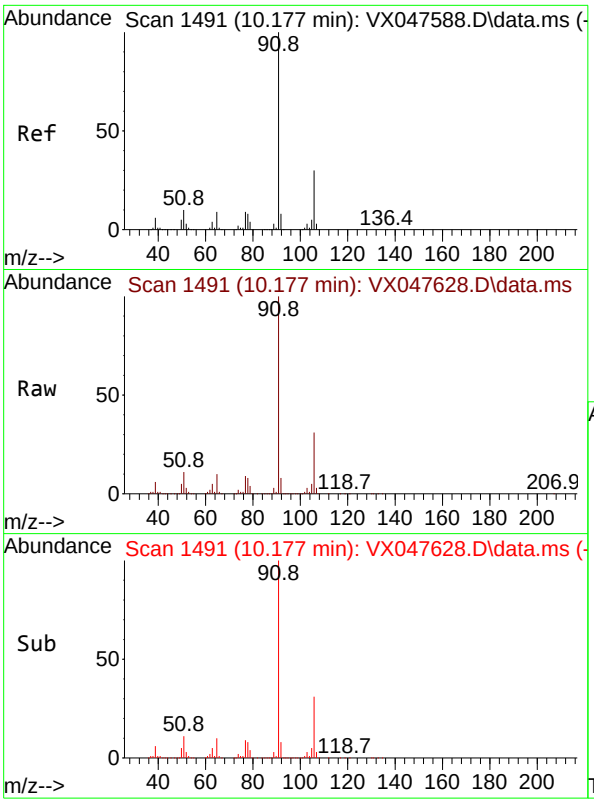


#66
1,1,1,2-Tetrachloroethane
Concen: 48.663 ug/l
RT: 10.146 min Scan# 1486
Delta R.T. -0.000 min
Lab File: VX047628.D
Acq: 17 Sep 2025 18:40

Tgt Ion:131 Resp: 98819

Ion	Ratio	Lower	Upper
131	100		
133	96.2	47.3	142.0
119	65.3	32.0	96.0



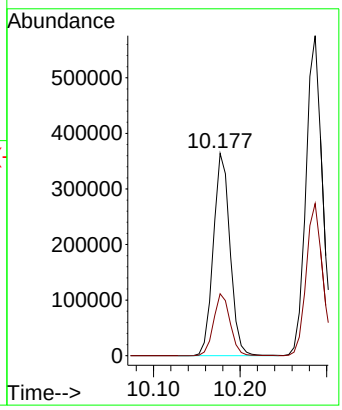


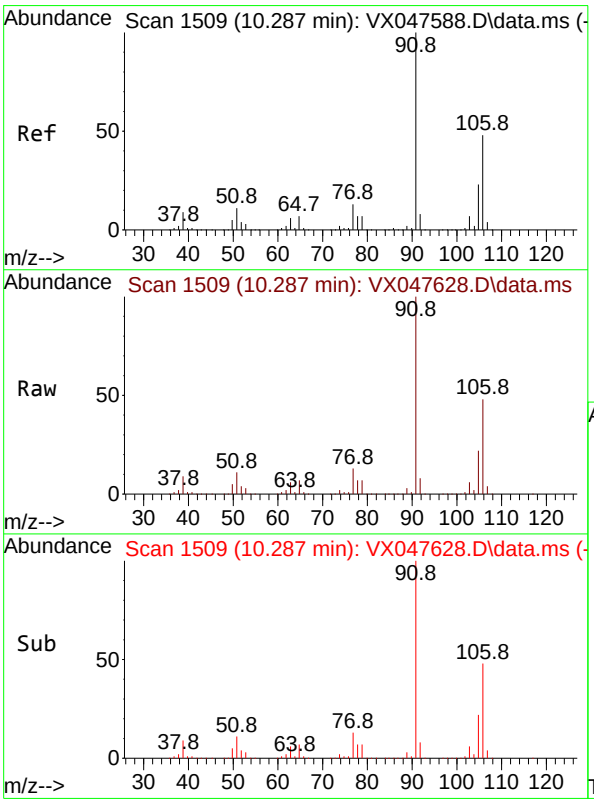
#67
Ethyl Benzene
Concen: 47.949 ug/l
RT: 10.177 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047628.D
Acq: 17 Sep 2025 18:40

Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MSD

Tgt Ion: 91 Resp: 486856

Ion	Ratio	Lower	Upper
91	100		
106	30.6	24.3	36.5

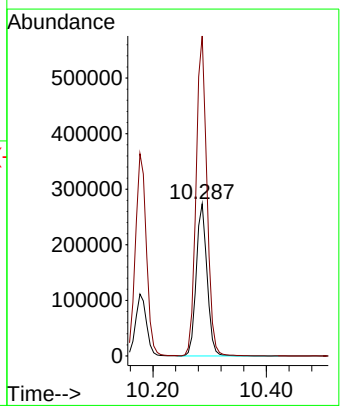


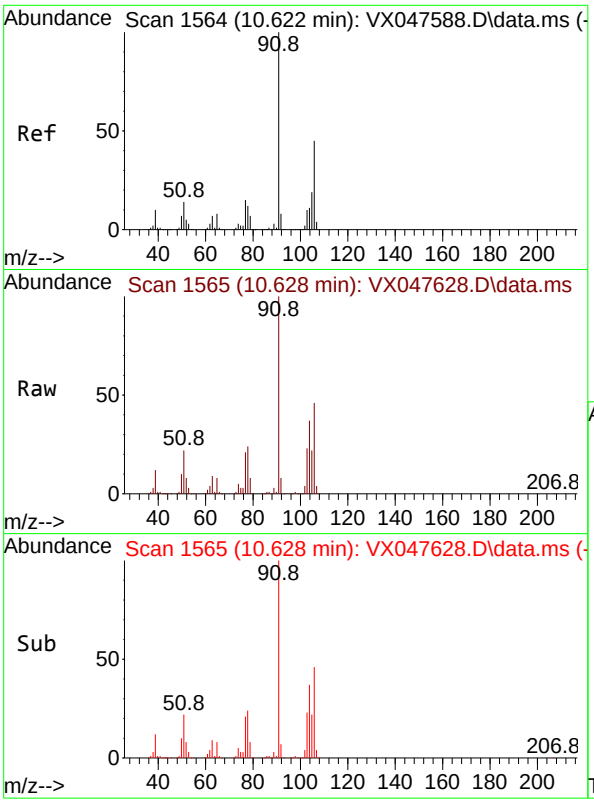


#68
m/p-Xylenes
Concen: 95.931 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VX047628.D
Acq: 17 Sep 2025 18:40

Tgt Ion:106 Resp: 362550

Ion	Ratio	Lower	Upper
106	100		
91	210.2	167.8	251.8



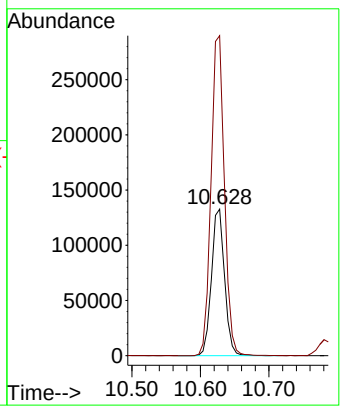


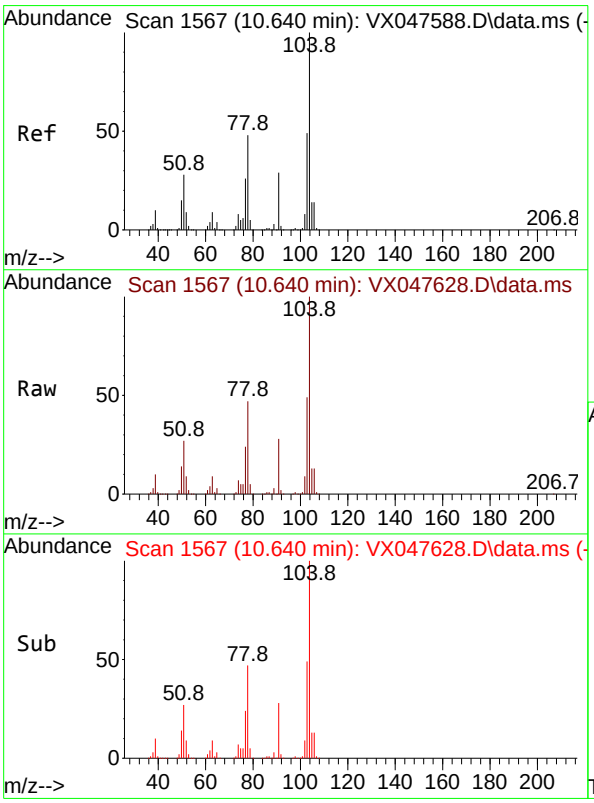
#69
o-Xylene
Concen: 48.354 ug/l
RT: 10.628 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047628.D
Acq: 17 Sep 2025 18:40

Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MSD

Tgt Ion:106 Resp: 176754

Ion	Ratio	Lower	Upper
106	100		
91	222.8	111.1	333.4

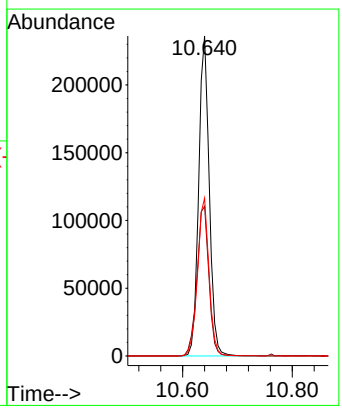


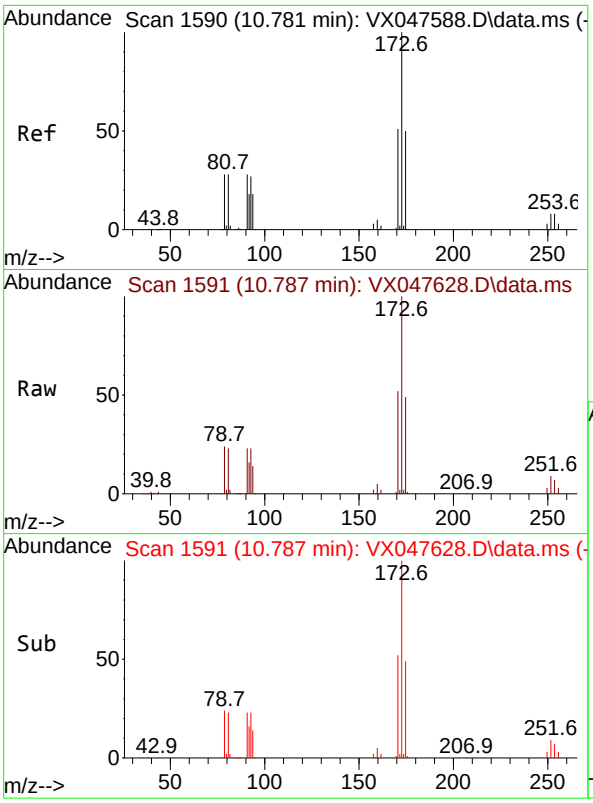


#70
Styrene
Concen: 49.409 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX047628.D
Acq: 17 Sep 2025 18:40

Tgt Ion:104 Resp: 316465

Ion	Ratio	Lower	Upper
104	100		
78	53.0	43.1	64.7
103	53.8	43.1	64.7



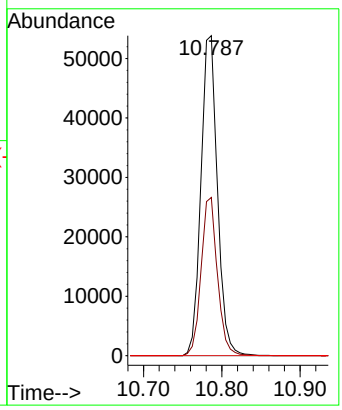


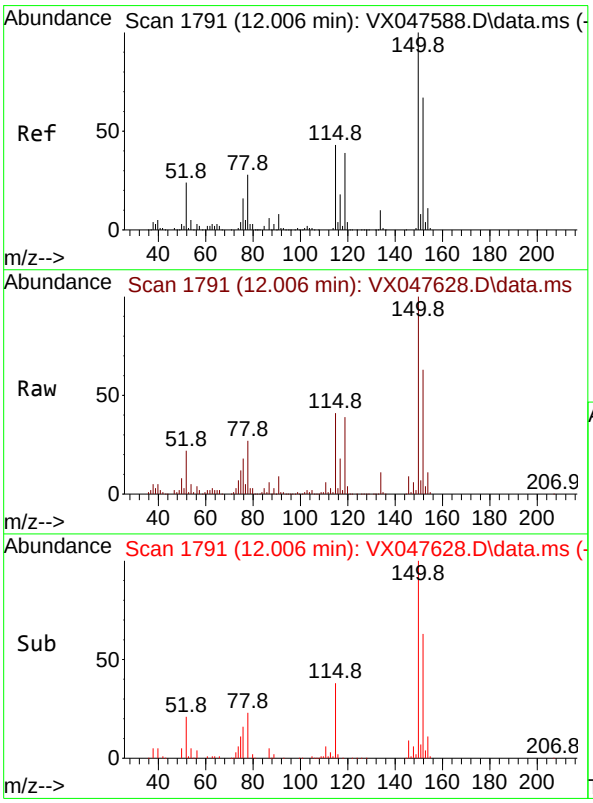
#71
Bromoform
Concen: 51.830 ug/l
RT: 10.787 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047628.D
Acq: 17 Sep 2025 18:40

Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MSD

Tgt Ion:173 Resp: 78589

Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.9	74.6
254	0.0	0.1	0.1#

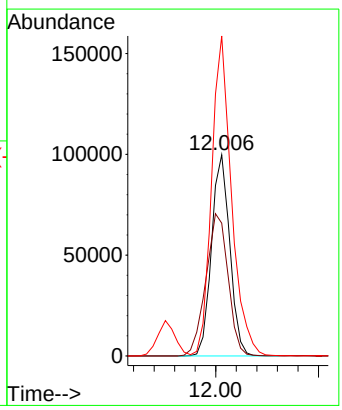


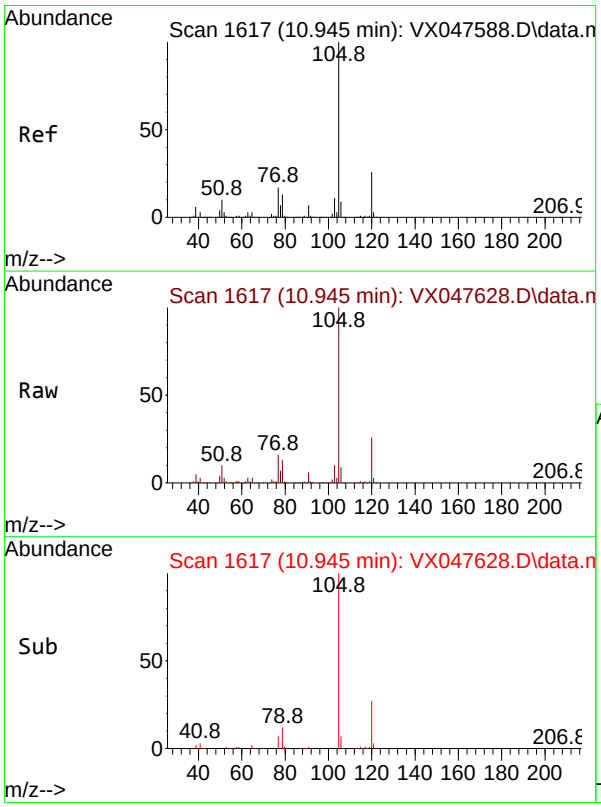


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047628.D
Acq: 17 Sep 2025 18:40

Tgt Ion:152 Resp: 122820

Ion	Ratio	Lower	Upper
152	100		
115	86.1	44.9	134.5
150	173.3	0.0	352.0



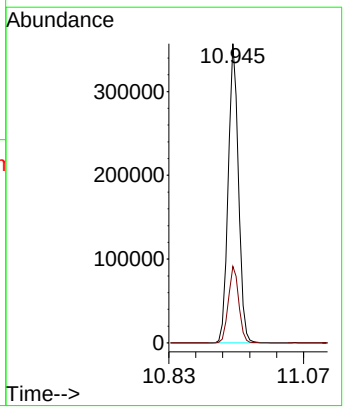


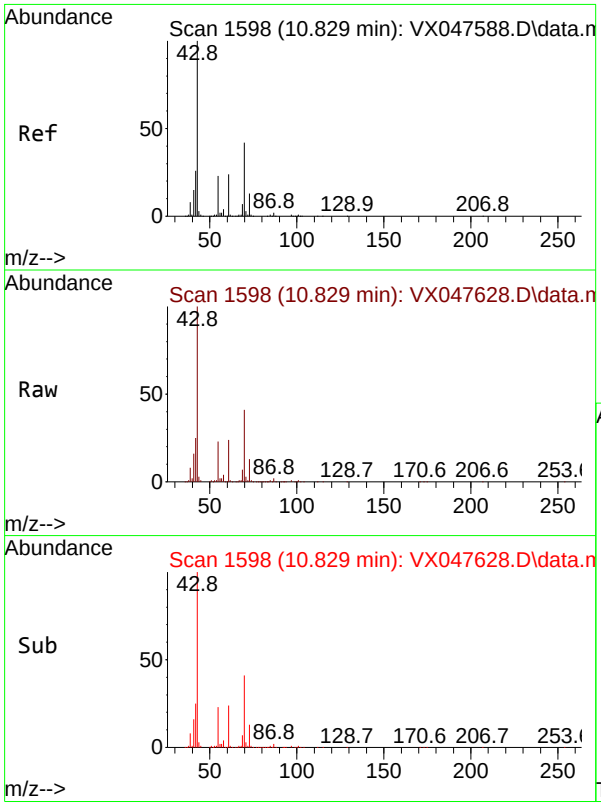
#73
Isopropylbenzene
Concen: 48.178 ug/l
RT: 10.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047628.D
Acq: 17 Sep 2025 18:40

Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MSD

Tgt Ion:105 Resp: 449867

Ion	Ratio	Lower	Upper
105	100		
120	26.0	12.8	38.4

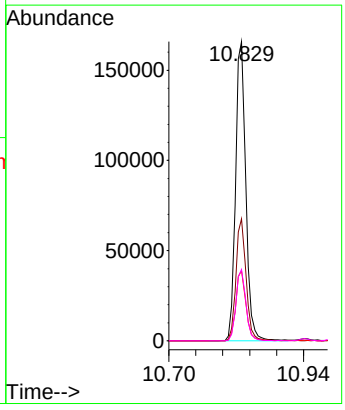


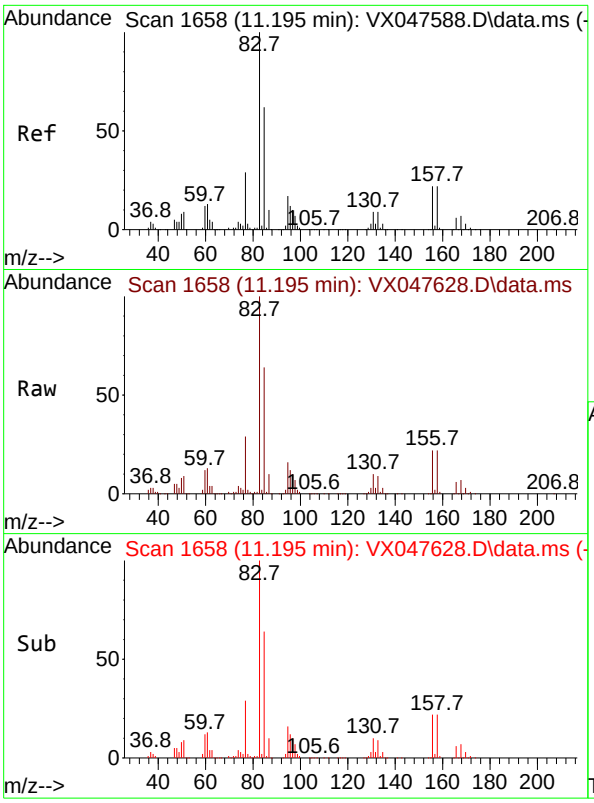


#74
N-amyl acetate
Concen: 50.949 ug/l
RT: 10.829 min Scan# 1598
Delta R.T. -0.000 min
Lab File: VX047628.D
Acq: 17 Sep 2025 18:40

Tgt Ion: 43 Resp: 216946

Ion	Ratio	Lower	Upper
43	100		
70	40.3	32.0	48.0
55	23.3	18.9	28.3
61	23.2	18.8	28.2



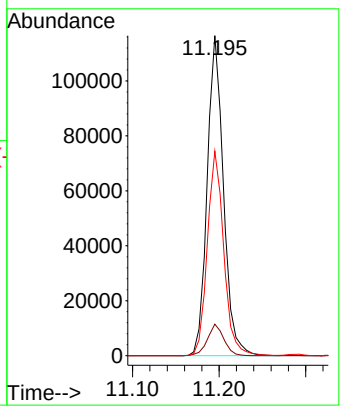


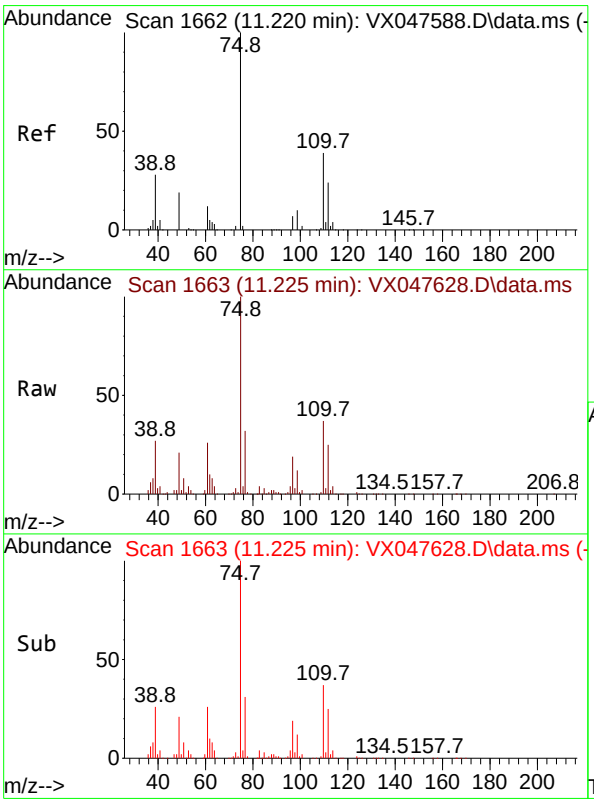
#75
1,1,2,2-Tetrachloroethane
Concen: 53.847 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047628.D
Acq: 17 Sep 2025 18:40

Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MSD

Tgt Ion: 83 Resp: 152121

Ion	Ratio	Lower	Upper
83	100		
131	9.9	5.0	14.9
85	64.4	31.6	95.0

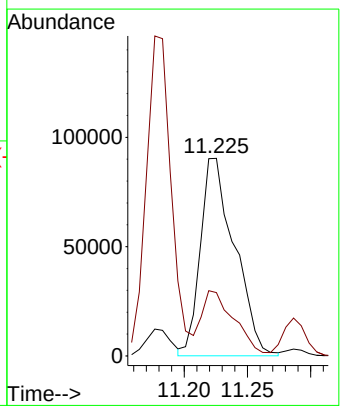


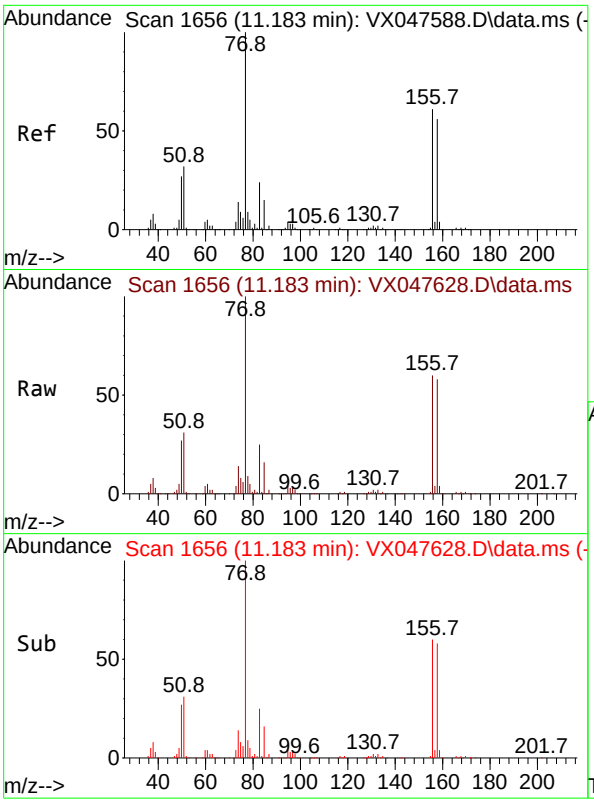


#76
1,2,3-Trichloropropane
Concen: 68.469 ug/l
RT: 11.225 min Scan# 1663
Delta R.T. 0.006 min
Lab File: VX047628.D
Acq: 17 Sep 2025 18:40

Tgt Ion: 75 Resp: 170264

Ion	Ratio	Lower	Upper
75	100		
77	31.5	18.8	56.4



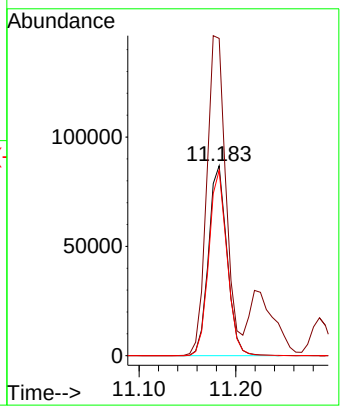


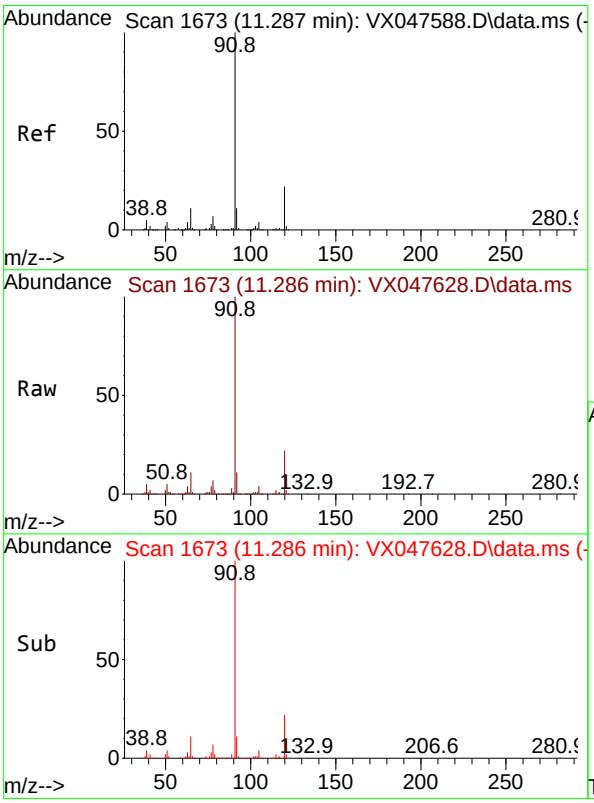
#77
Bromobenzene
Concen: 50.356 ug/l
RT: 11.183 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047628.D
Acq: 17 Sep 2025 18:40

Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MSD

Tgt Ion:156 Resp: 115807

Ion	Ratio	Lower	Upper
156	100		
77	175.1	89.7	269.1
158	96.0	47.9	143.6

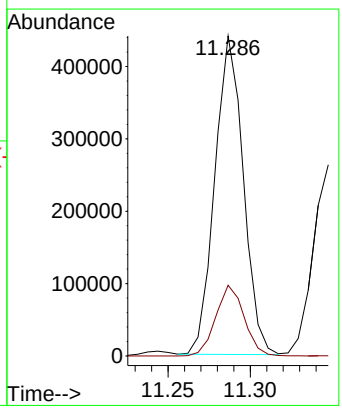


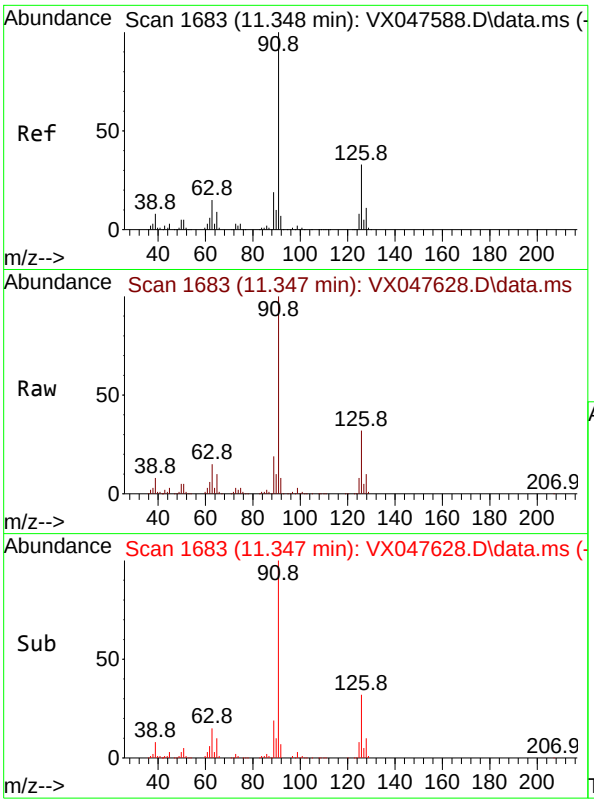


#78
n-propylbenzene
Concen: 48.076 ug/l
RT: 11.286 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX047628.D
Acq: 17 Sep 2025 18:40

Tgt Ion: 91 Resp: 530672

Ion	Ratio	Lower	Upper
91	100		
120	22.1	11.1	33.1



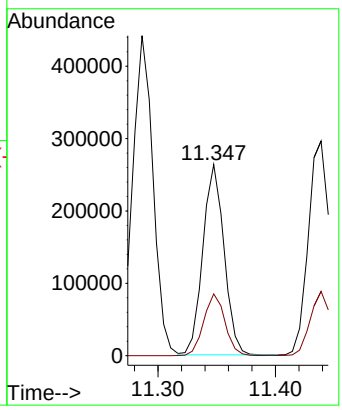


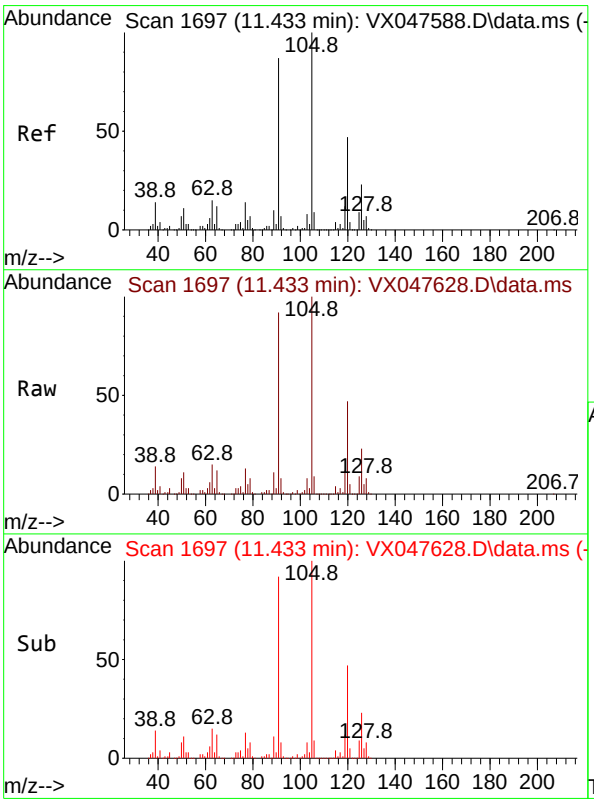
#79
2-Chlorotoluene
Concen: 48.902 ug/l
RT: 11.347 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047628.D
Acq: 17 Sep 2025 18:40

Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MSD

Tgt Ion: 91 Resp: 330607

Ion	Ratio	Lower	Upper
91	100		
126	32.5	16.1	48.3

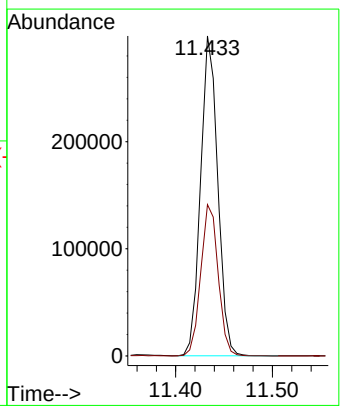


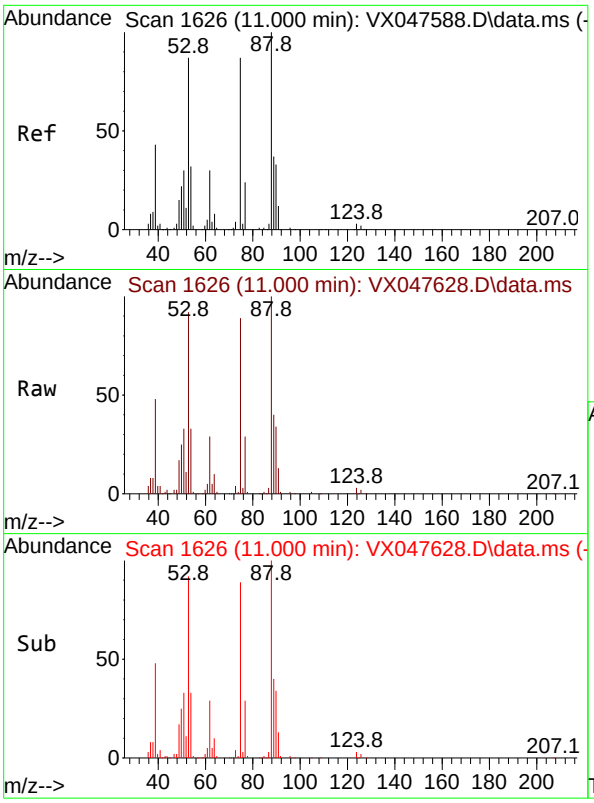


#80
1,3,5-Trimethylbenzene
Concen: 48.112 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX047628.D
Acq: 17 Sep 2025 18:40

Tgt Ion:105 Resp: 369096

Ion	Ratio	Lower	Upper
105	100		
120	48.1	23.6	70.8



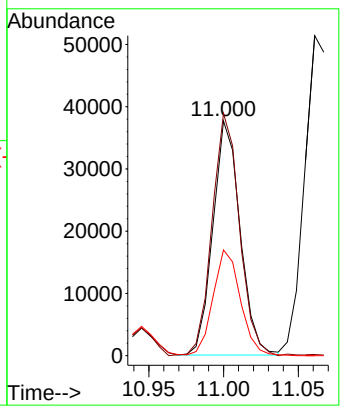


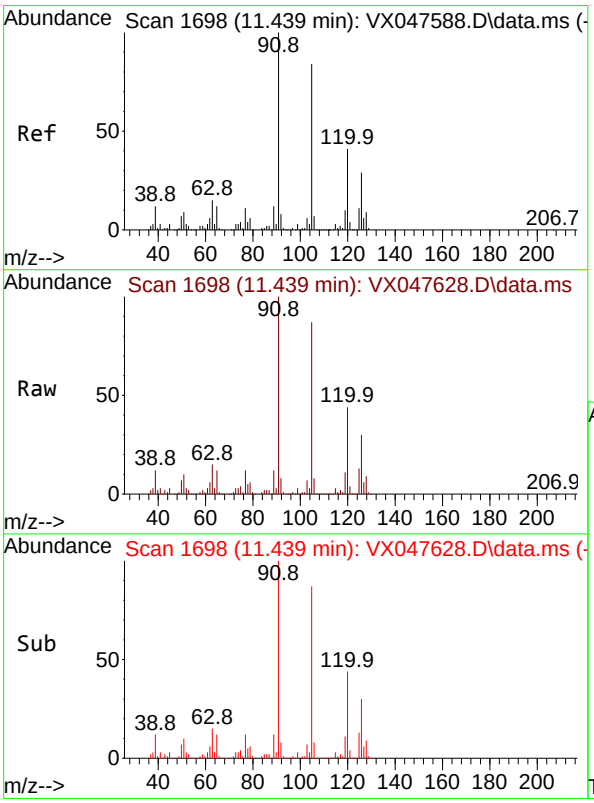
#81
trans-1,4-Dichloro-2-butene
Concen: 48.739 ug/l
RT: 11.000 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047628.D
Acq: 17 Sep 2025 18:40

Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MSD

Tgt Ion: 75 Resp: 47527

Ion	Ratio	Lower	Upper
75	100		
53	104.5	83.4	125.2
89	45.5	36.3	54.5

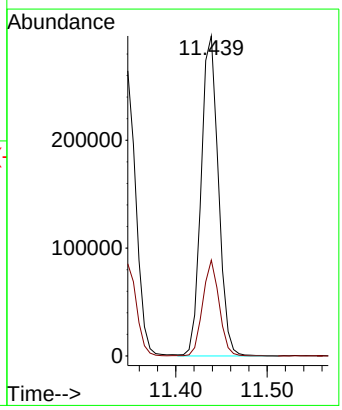


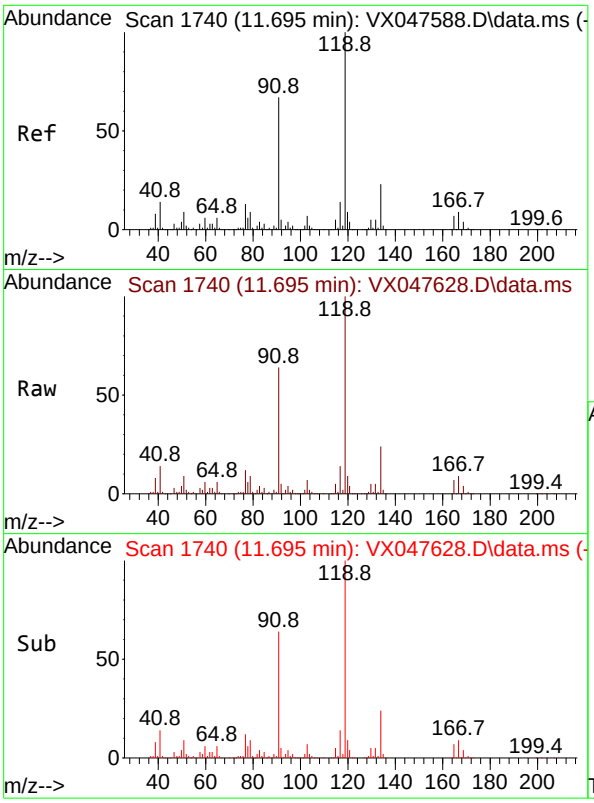


#82
4-Chlorotoluene
Concen: 48.610 ug/l
RT: 11.439 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VX047628.D
Acq: 17 Sep 2025 18:40

Tgt Ion: 91 Resp: 388138

Ion	Ratio	Lower	Upper
91	100		
126	28.6	14.2	42.6



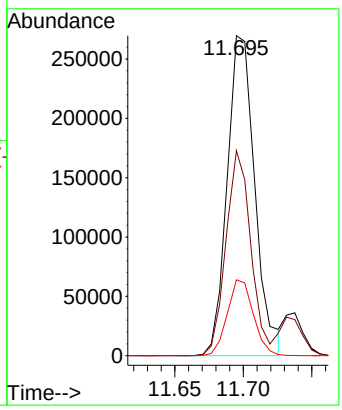


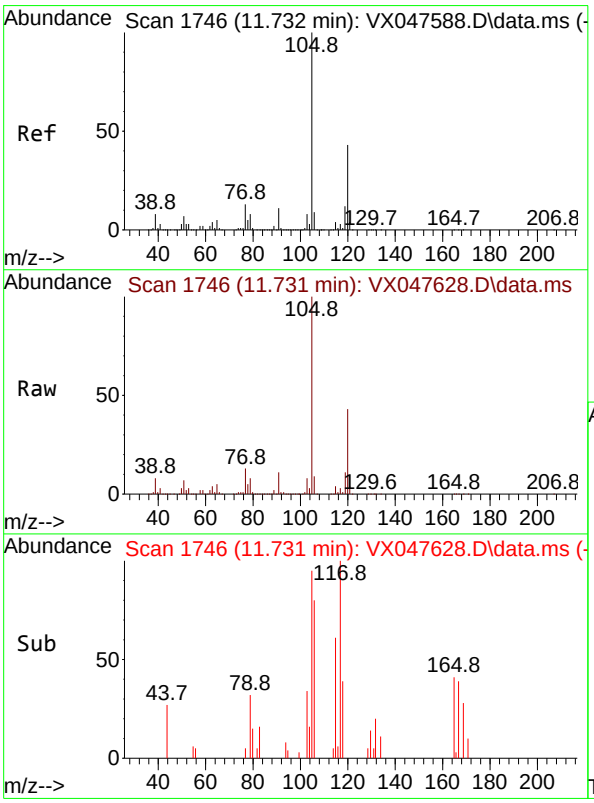
#83
tert-Butylbenzene
Concen: 48.378 ug/l
RT: 11.695 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047628.D
Acq: 17 Sep 2025 18:40

Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MSD

Tgt Ion:119 Resp: 379925

Ion	Ratio	Lower	Upper
119	100		
91	57.4	29.6	88.8
134	22.4	11.0	33.0

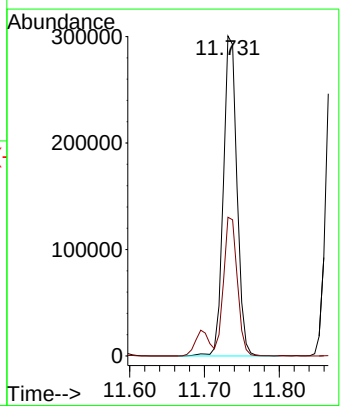


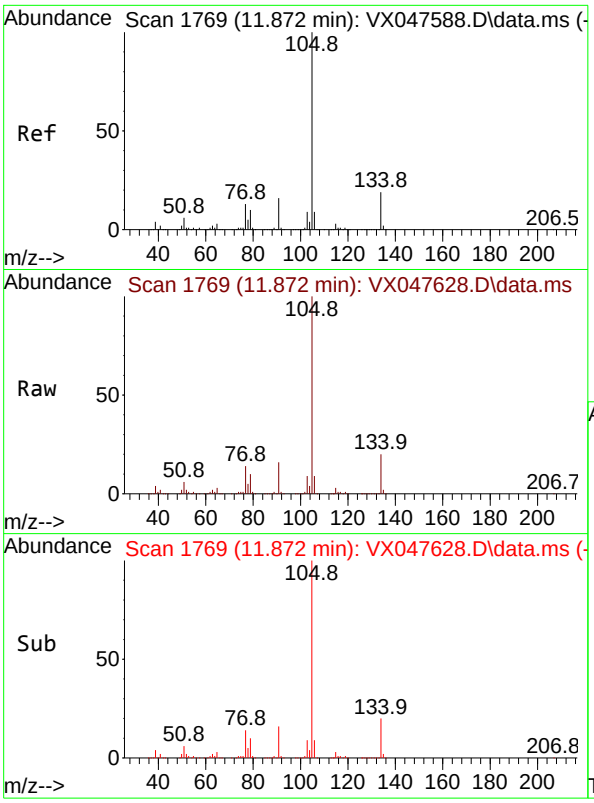


#84
1,2,4-Trimethylbenzene
Concen: 49.011 ug/l
RT: 11.731 min Scan# 1746
Delta R.T. -0.000 min
Lab File: VX047628.D
Acq: 17 Sep 2025 18:40

Tgt Ion:105 Resp: 381199

Ion	Ratio	Lower	Upper
105	100		
120	43.6	22.1	66.1



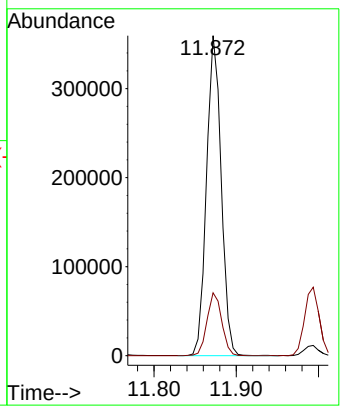


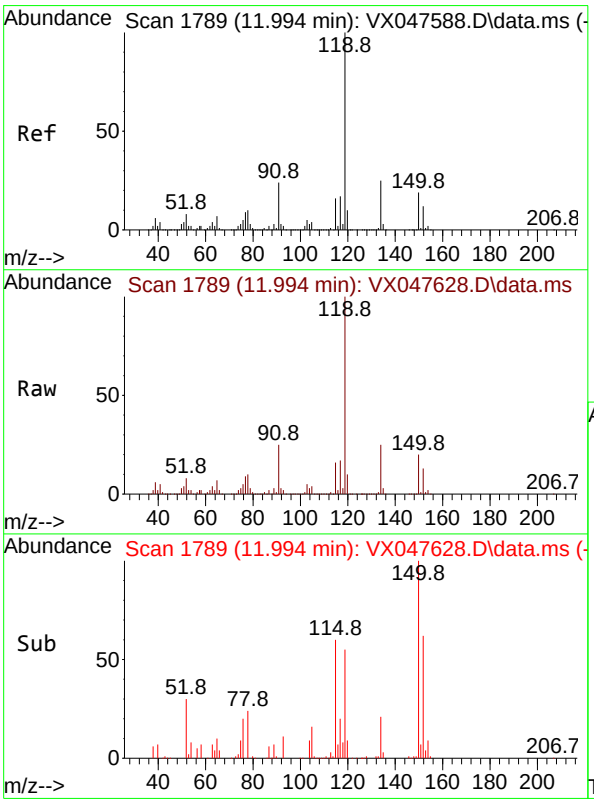
#85
sec-Butylbenzene
Concen: 47.699 ug/l
RT: 11.872 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047628.D
Acq: 17 Sep 2025 18:40

Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MSD

Tgt Ion:105 Resp: 444945

Ion	Ratio	Lower	Upper
105	100		
134	19.8	9.8	29.5

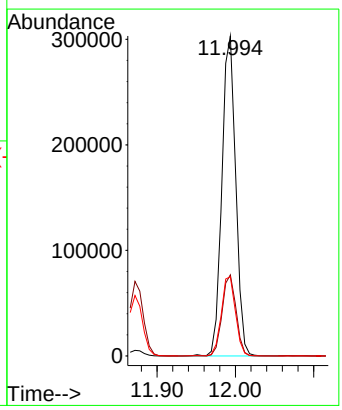


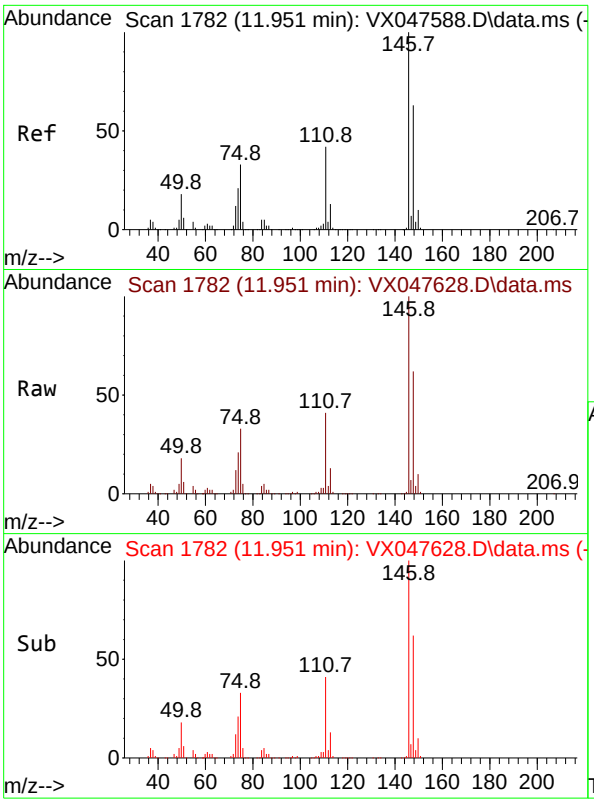


#86
p-Isopropyltoluene
Concen: 47.272 ug/l
RT: 11.994 min Scan# 1789
Delta R.T. -0.000 min
Lab File: VX047628.D
Acq: 17 Sep 2025 18:40

Tgt Ion:119 Resp: 373314

Ion	Ratio	Lower	Upper
119	100		
134	25.5	12.6	37.8
91	25.4	12.6	37.6



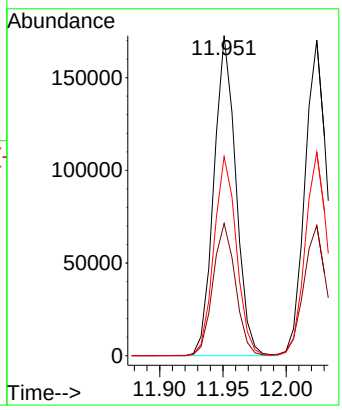


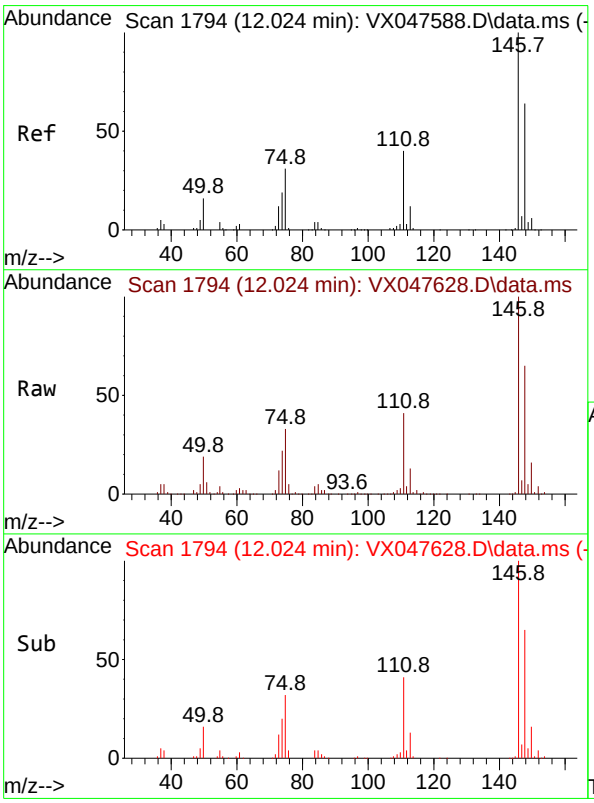
#87
1,3-Dichlorobenzene
Concen: 48.771 ug/l
RT: 11.951 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047628.D
Acq: 17 Sep 2025 18:40

Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MSD

Tgt Ion:146 Resp: 208330

Ion	Ratio	Lower	Upper
146	100		
111	42.3	21.5	64.5
148	63.5	32.0	96.0

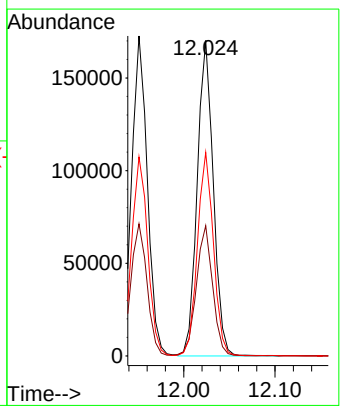


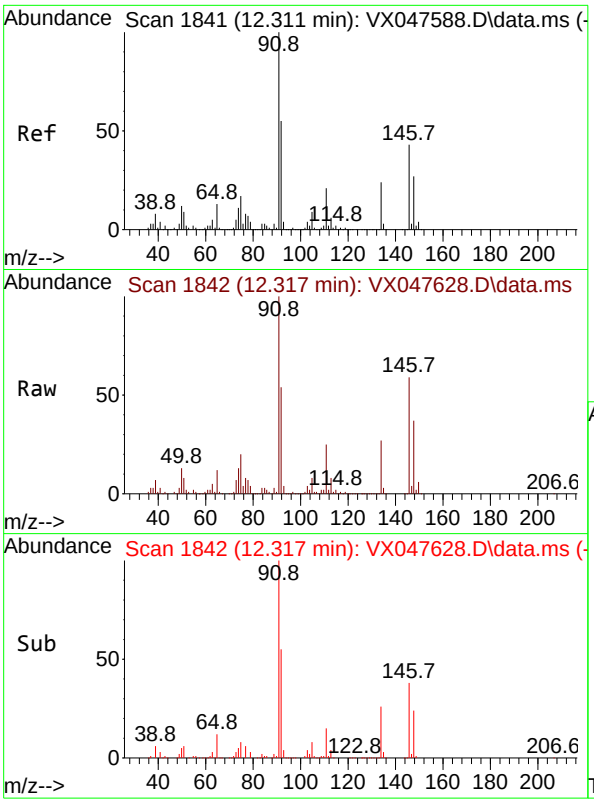


#88
1,4-Dichlorobenzene
Concen: 47.641 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX047628.D
Acq: 17 Sep 2025 18:40

Tgt Ion:146 Resp: 208864

Ion	Ratio	Lower	Upper
146	100		
111	41.7	20.8	62.4
148	64.0	31.7	95.1



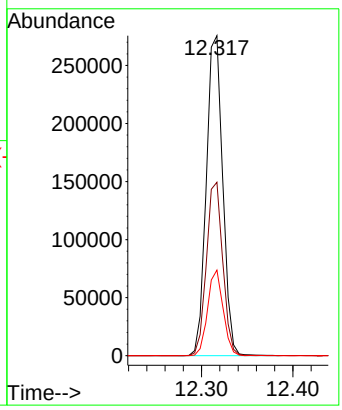


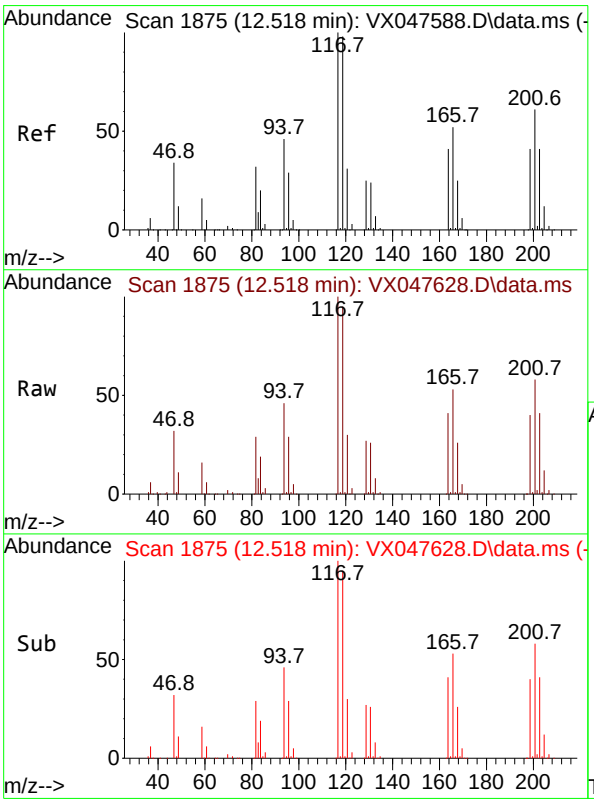
#89
n-Butylbenzene
Concen: 46.874 ug/l
RT: 12.317 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047628.D
Acq: 17 Sep 2025 18:40

Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MSD

Tgt Ion: 91 Resp: 342525

Ion	Ratio	Lower	Upper
91	100		
92	54.0	27.6	82.7
134	25.3	12.6	37.8

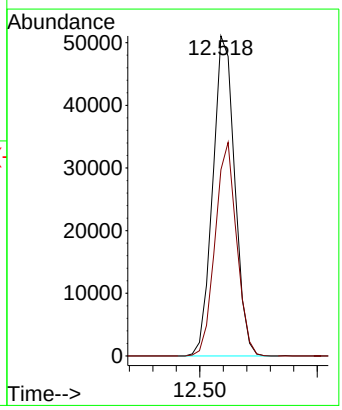


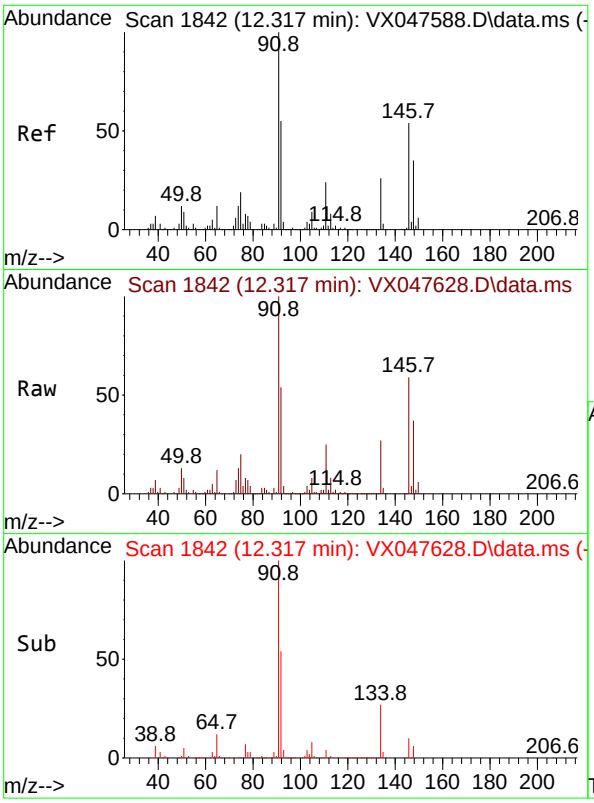


#90
Hexachloroethane
Concen: 47.825 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VX047628.D
Acq: 17 Sep 2025 18:40

Tgt Ion:117 Resp: 66310

Ion	Ratio	Lower	Upper
117	100		
201	65.5	34.2	102.5



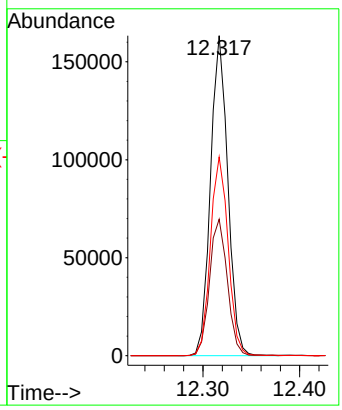


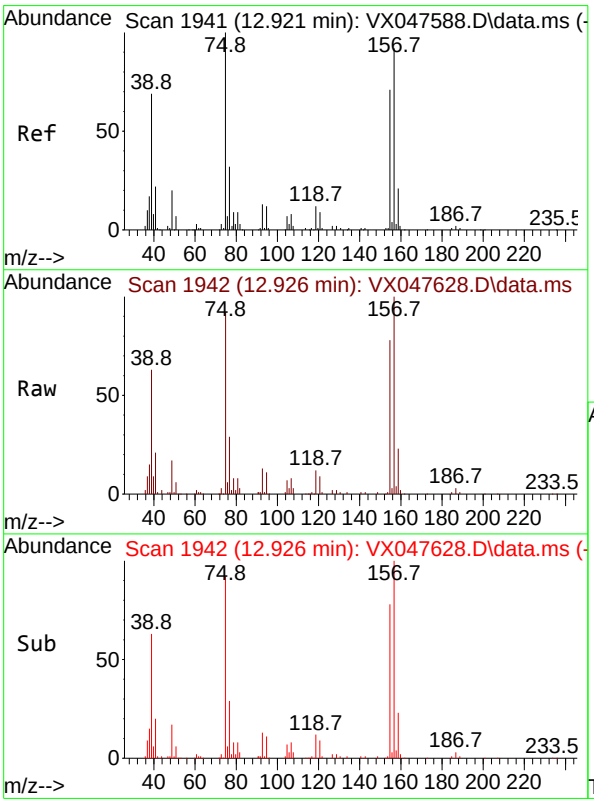
#91
1,2-Dichlorobenzene
Concen: 49.953 ug/l
RT: 12.317 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047628.D
Acq: 17 Sep 2025 18:40

Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MSD

Tgt Ion:146 Resp: 203287

Ion	Ratio	Lower	Upper
146	100		
111	43.9	22.2	66.6
148	63.5	31.8	95.4

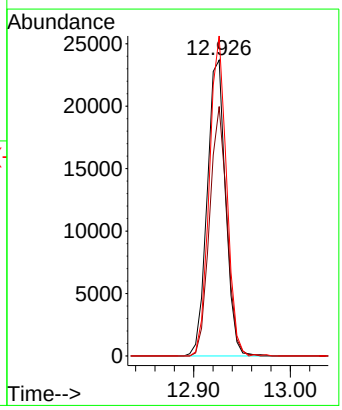


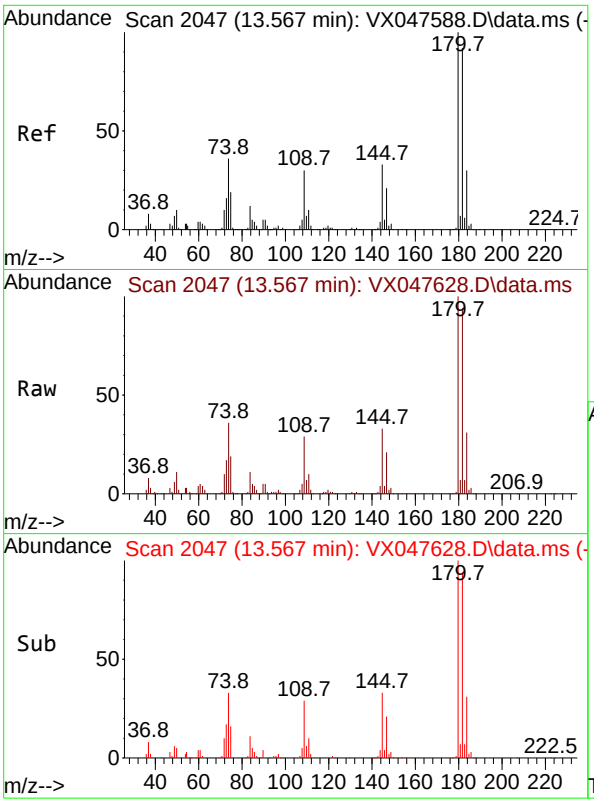


#92
1,2-Dibromo-3-Chloropropane
Concen: 54.777 ug/l
RT: 12.926 min Scan# 1942
Delta R.T. 0.006 min
Lab File: VX047628.D
Acq: 17 Sep 2025 18:40

Tgt Ion: 75 Resp: 31331

Ion	Ratio	Lower	Upper
75	100		
155	79.6	37.7	113.1
157	101.4	49.8	149.4



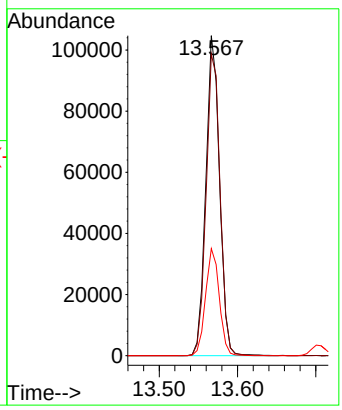


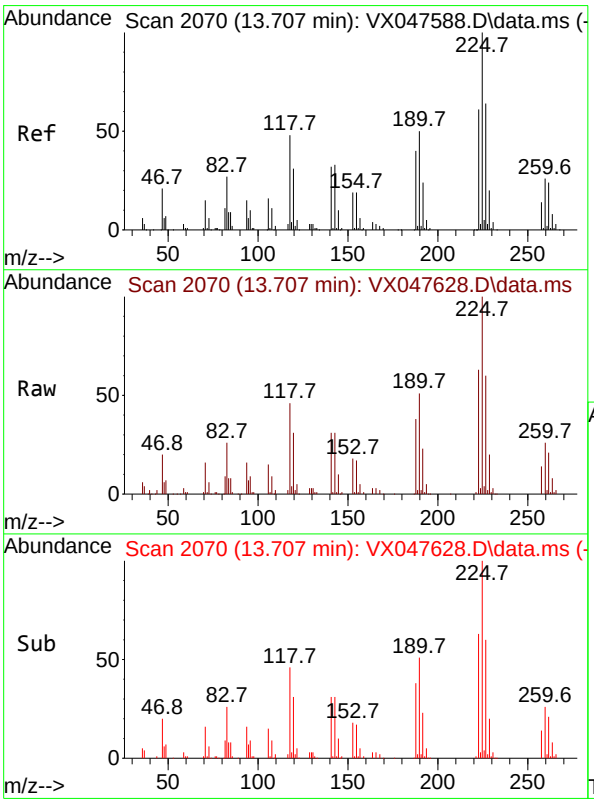
#93
1,2,4-Trichlorobenzene
Concen: 48.023 ug/l
RT: 13.567 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047628.D
Acq: 17 Sep 2025 18:40

Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MSD

Tgt Ion:180 Resp: 127016

Ion	Ratio	Lower	Upper
180	100		
182	96.1	46.6	139.8
145	33.5	16.4	49.1

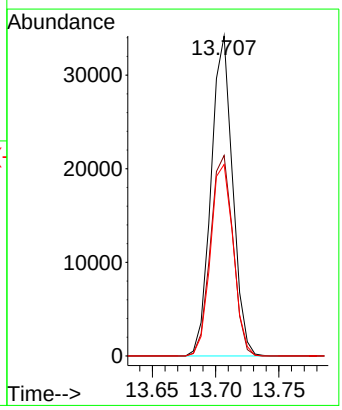


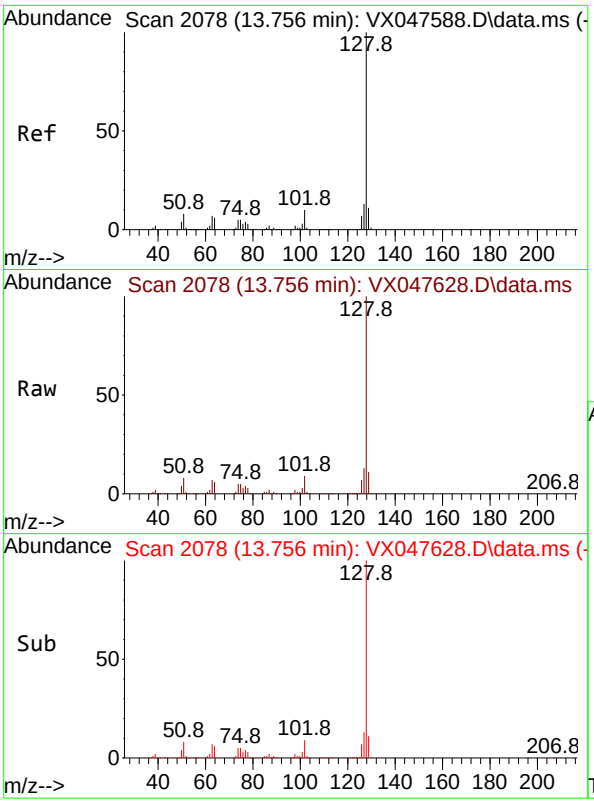


#94
Hexachlorobutadiene
Concen: 45.005 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. -0.000 min
Lab File: VX047628.D
Acq: 17 Sep 2025 18:40

Tgt Ion:225 Resp: 40432

Ion	Ratio	Lower	Upper
225	100		
223	65.6	31.7	95.1
227	63.2	32.0	96.0



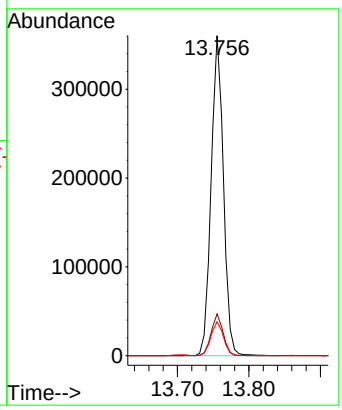


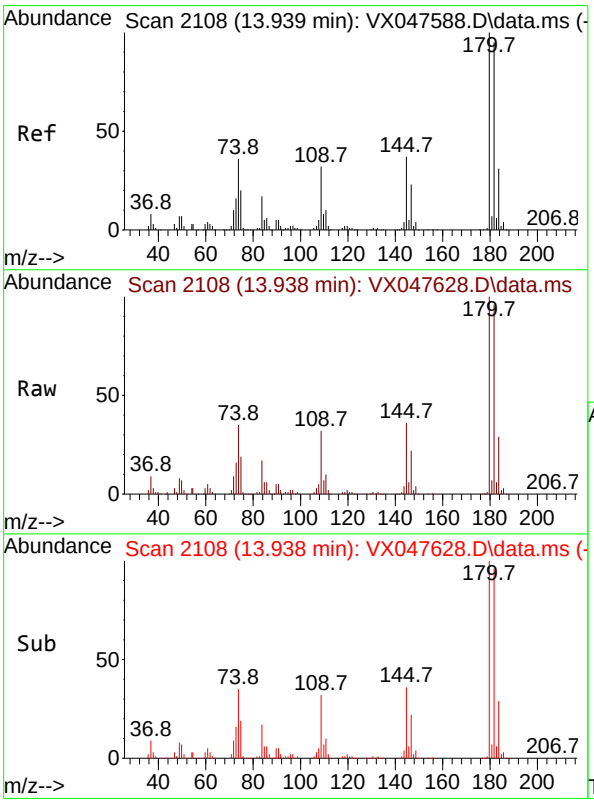
#95
Naphthalene
Concen: 53.345 ug/l
RT: 13.756 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047628.D
Acq: 17 Sep 2025 18:40

Instrument :
MSVOA_X
ClientSampleId :
MW203D2-20250909MSD

Tgt Ion:128 Resp: 429630

Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.2
129	10.8	8.8	13.2

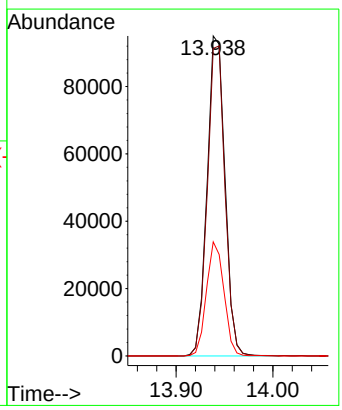




#96
1,2,3-Trichlorobenzene
Concen: 49.649 ug/l
RT: 13.938 min Scan# 2108
Delta R.T. -0.000 min
Lab File: VX047628.D
Acq: 17 Sep 2025 18:40

Tgt Ion:180 Resp: 122153

Ion	Ratio	Lower	Upper
180	100		
182	96.3	47.6	142.8
145	35.0	17.9	53.7



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091725\
Data File : VX047629.D
Acq On : 17 Sep 2025 19:01
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Quant Time: Sep 22 03:15:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.538	168	158528	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	292304	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	262366	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	123899	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	129399	51.280	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 102.560%			
35) Dibromofluoromethane	5.373	113	97816	49.897	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.800%			
50) Toluene-d8	8.635	98	343907	50.700	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 101.400%			
62) 4-Bromofluorobenzene	11.061	95	129935	50.473	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 100.940%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.172	85	70752	43.100	ug/l	98
3) Chloromethane	1.301	50	96907	44.917	ug/l	98
4) Vinyl Chloride	1.380	62	100136	47.414	ug/l	98
5) Bromomethane	1.618	94	67361	50.299	ug/l	100
6) Chloroethane	1.697	64	68085	48.234	ug/l	99
7) Trichlorofluoromethane	1.898	101	148866	47.473	ug/l	100
8) Diethyl Ether	2.136	74	66594	51.915	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.337	101	87720	47.840	ug/l	99
10) Methyl Iodide	2.459	142	140492	49.129	ug/l	99
11) Tert butyl alcohol	2.947	59	80583	286.736	ug/l	99
12) 1,1-Dichloroethene	2.325	96	91157	48.398	ug/l	96
13) Acrolein	2.239	56	90289	348.634	ug/l	99
14) Allyl chloride	2.666	41	191131	49.177	ug/l	97
15) Acrylonitrile	3.062	53	308964	296.803	ug/l	99
16) Acetone	2.373	43	244801	223.121	ug/l	99
17) Carbon Disulfide	2.520	76	232360	45.064	ug/l	98
18) Methyl Acetate	2.703	43	160691	65.810	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	371809	54.077	ug/l	100
20) Methylene Chloride	2.788	84	116836	50.308	ug/l	98
21) trans-1,2-Dichloroethene	3.093	96	102000	50.301	ug/l	96
22) Diisopropyl ether	3.757	45	400864	53.219	ug/l	96
23) Vinyl Acetate	3.715	43	1659429	275.264	ug/l	100
24) 1,1-Dichloroethane	3.611	63	208155	51.993	ug/l	99
25) 2-Butanone	4.544	43	383147	279.960	ug/l	98
26) 2,2-Dichloropropane	4.471	77	145013	43.574	ug/l	98
27) cis-1,2-Dichloroethene	4.483	96	129212	52.031	ug/l	99
28) Bromochloromethane	4.885	49	94251	53.925	ug/l	100
29) Tetrahydrofuran	4.995	42	246600	299.524	ug/l	100
30) Chloroform	5.086	83	214530	53.027	ug/l	99
31) Cyclohexane	5.464	56	157963	47.373	ug/l	100
32) 1,1,1-Trichloroethane	5.373	97	178123	51.907	ug/l	99
36) 1,1-Dichloropropene	5.684	75	133515	46.610	ug/l	98
37) Ethyl Acetate	4.702	43	165882	54.084	ug/l	99
38) Carbon Tetrachloride	5.666	117	148177	47.609	ug/l	97
39) Methylcyclohexane	7.367	83	148100	45.546	ug/l	99
40) Benzene	6.025	78	436357	50.154	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091725\
Data File : VX047629.D
Acq On : 17 Sep 2025 19:01
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Quant Time: Sep 22 03:15:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	4.904	41	88508	55.897 ug/l	98
42) 1,2-Dichloroethane	6.074	62	165630	50.034 ug/l	99
43) Isopropyl Acetate	6.324	43	274971	54.664 ug/l	99
44) Trichloroethene	7.110	130	105741	50.271 ug/l	96
45) 1,2-Dichloropropane	7.415	63	115545	51.865 ug/l	98
46) Dibromomethane	7.568	93	82775	51.058 ug/l	96
47) Bromodichloromethane	7.805	83	173783	51.947 ug/l	99
48) Methyl methacrylate	7.677	41	139209	55.559 ug/l	99
49) 1,4-Dioxane	7.647	88	34644	1368.143 ug/l	98
51) 4-Methyl-2-Pentanone	8.561	43	819310	293.767 ug/l	100
52) Toluene	8.702	92	271480	50.647 ug/l	98
53) t-1,3-Dichloropropene	8.964	75	174553	51.153 ug/l	98
54) cis-1,3-Dichloropropene	8.354	75	186493	51.132 ug/l	99
55) 1,1,2-Trichloroethane	9.134	97	110254	53.343 ug/l	98
56) Ethyl methacrylate	9.104	69	183656	56.580 ug/l	98
57) 1,3-Dichloropropane	9.293	76	189897	53.484 ug/l	100
58) 2-Chloroethyl Vinyl ether	8.226	63	403925	259.768 ug/l	99
59) 2-Hexanone	9.415	43	573589	286.357 ug/l	99
60) Dibromochloromethane	9.506	129	127163	53.396 ug/l	98
61) 1,2-Dibromoethane	9.592	107	115052	54.651 ug/l	99
64) Tetrachloroethene	9.256	164	83148	48.615 ug/l	97
65) Chlorobenzene	10.061	112	301252	50.542 ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.146	131	105903	51.489 ug/l	99
67) Ethyl Benzene	10.177	91	515487	50.124 ug/l	99
68) m/p-Xylenes	10.287	106	388133	101.396 ug/l	99
69) o-Xylene	10.628	106	189496	51.181 ug/l	100
70) Styrene	10.640	104	333465	51.401 ug/l	99
71) Bromoform	10.781	173	81195	52.869 ug/l	99
73) Isopropylbenzene	10.945	105	483439	51.323 ug/l	100
74) N-amyl acetate	10.829	43	241658	56.259 ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.195	83	158402	55.582 ug/l	99
76) 1,2,3-Trichloropropane	11.226	75	179250	71.455 ug/l	88
77) Bromobenzene	11.183	156	119923	51.691 ug/l	99
78) n-propylbenzene	11.287	91	563896	50.641 ug/l	99
79) 2-Chlorotoluene	11.347	91	348974	51.169 ug/l	99
80) 1,3,5-Trimethylbenzene	11.433	105	399966	51.682 ug/l	99
81) trans-1,4-Dichloro-2-b...	11.000	75	51012	51.857 ug/l	99
82) 4-Chlorotoluene	11.439	91	412649	51.230 ug/l	100
83) tert-Butylbenzene	11.695	119	401787	50.716 ug/l	99
84) 1,2,4-Trimethylbenzene	11.732	105	407143	51.891 ug/l	99
85) sec-Butylbenzene	11.872	105	483624	51.394 ug/l	100
86) p-Isopropyltoluene	11.988	119	399889	50.196 ug/l	99
87) 1,3-Dichlorobenzene	11.951	146	220186	51.097 ug/l	99
88) 1,4-Dichlorobenzene	12.024	146	223463	50.527 ug/l	100
89) n-Butylbenzene	12.317	91	371883	50.449 ug/l	99
90) Hexachloroethane	12.524	117	71248	50.939 ug/l	99
91) 1,2-Dichlorobenzene	12.317	146	216591	52.758 ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.920	75	33107	57.378 ug/l	98
93) 1,2,4-Trichlorobenzene	13.567	180	137625	51.581 ug/l	99
94) Hexachlorobutadiene	13.707	225	45399	50.094 ug/l	98
95) Naphthalene	13.756	128	456177	56.148 ug/l	100
96) 1,2,3-Trichlorobenzene	13.938	180	133075	53.618 ug/l	99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091725\
Data File : VX047629.D
Acq On : 17 Sep 2025 19:01
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Quant Time: Sep 22 03:15:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

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

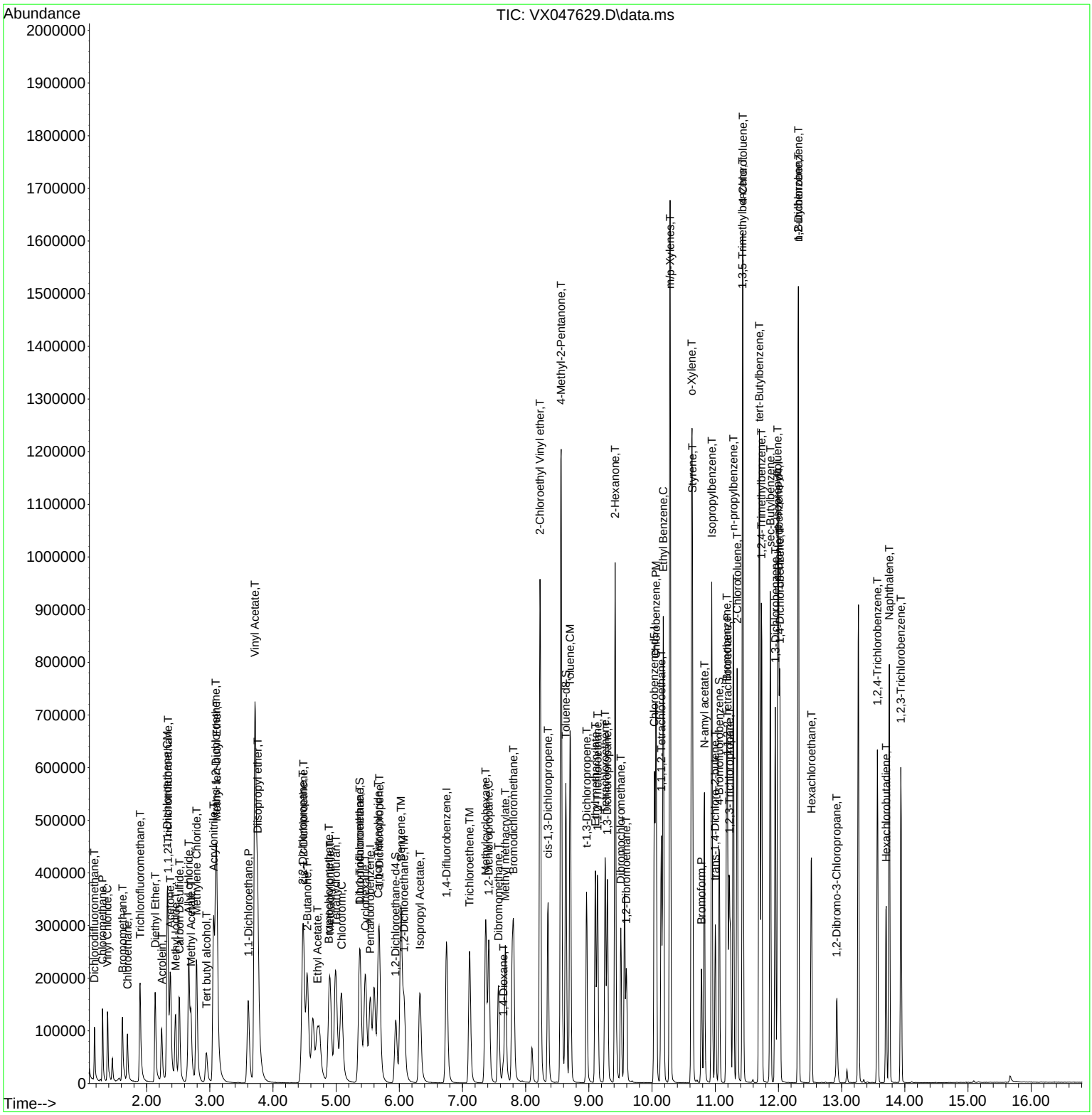
(#) = qualifier out of range (m) = manual integration (+) = signals summed

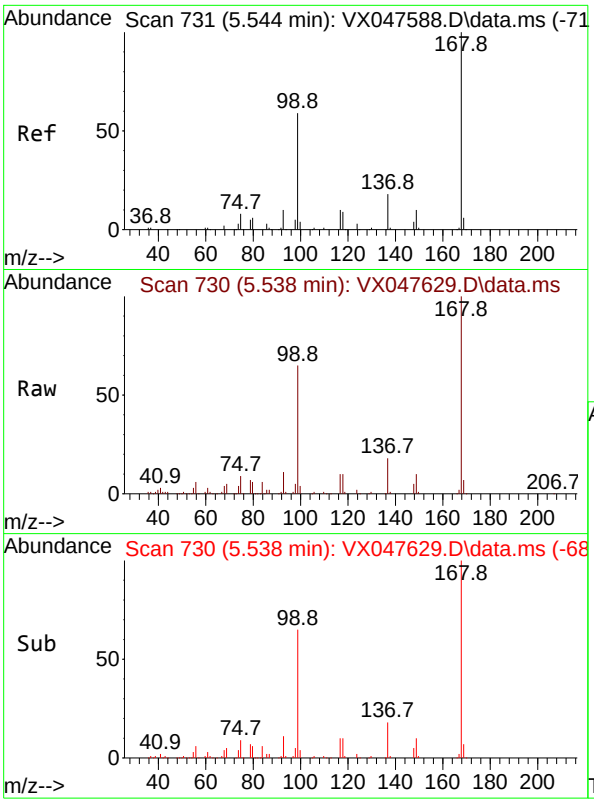
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091725\
Data File : VX047629.D
Acq On : 17 Sep 2025 19:01
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Quant Time: Sep 22 03:15:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



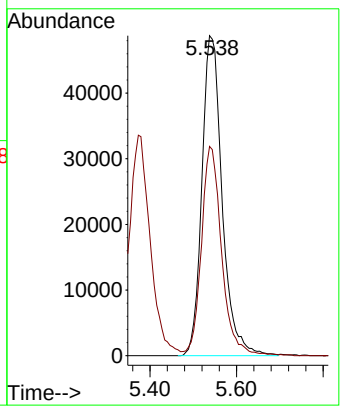


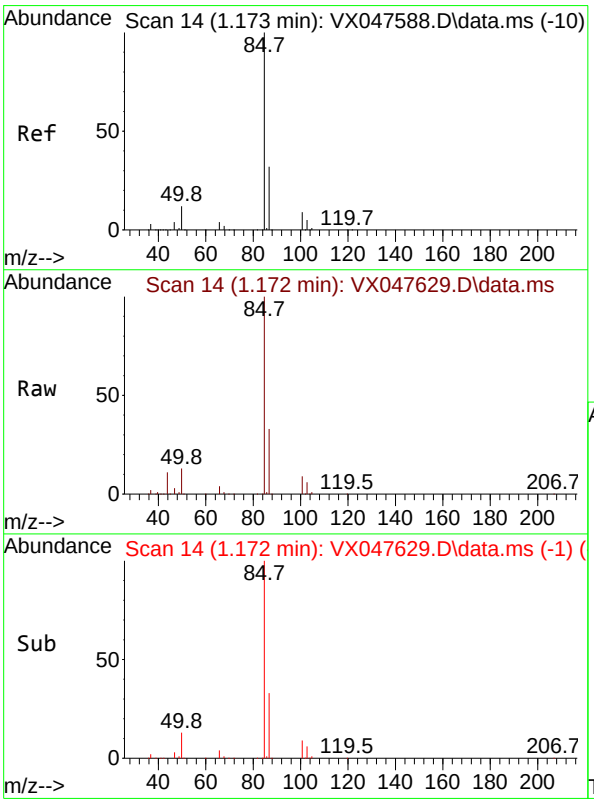
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047629.D
Acq: 17 Sep 2025 19:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:168 Resp: 158528

Ion	Ratio	Lower	Upper
168	100		
99	65.2	48.8	73.2

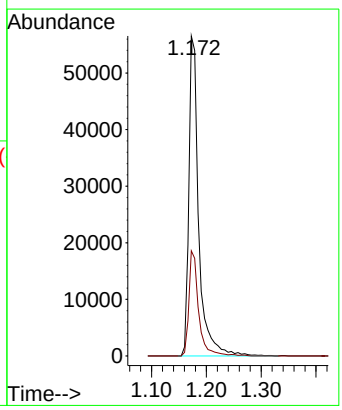


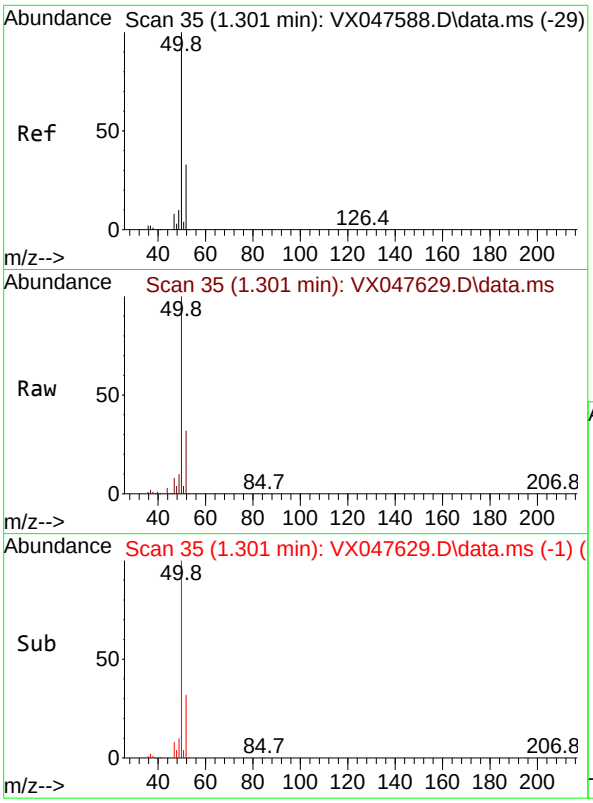


#2
Dichlorodifluoromethane
Concen: 43.100 ug/l
RT: 1.172 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047629.D
Acq: 17 Sep 2025 19:01

Tgt Ion: 85 Resp: 70752

Ion	Ratio	Lower	Upper
85	100		
87	32.9	15.8	47.3



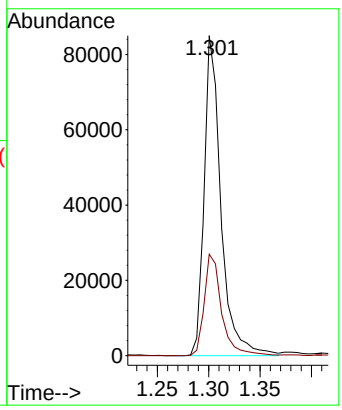


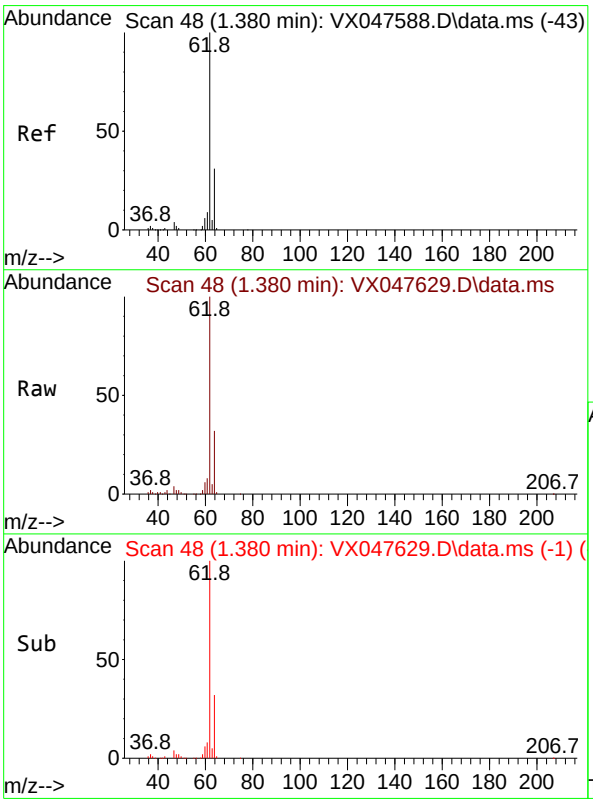
#3
Chloromethane
Concen: 44.917 ug/l
RT: 1.301 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047629.D
Acq: 17 Sep 2025 19:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 50 Resp: 96907

Ion	Ratio	Lower	Upper
50	100		
52	31.7	26.1	39.1

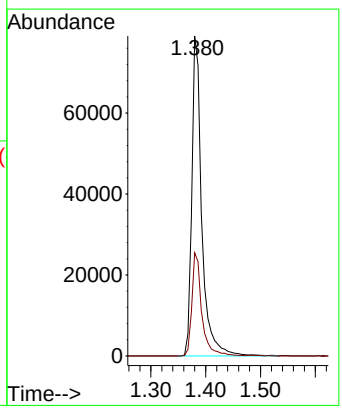


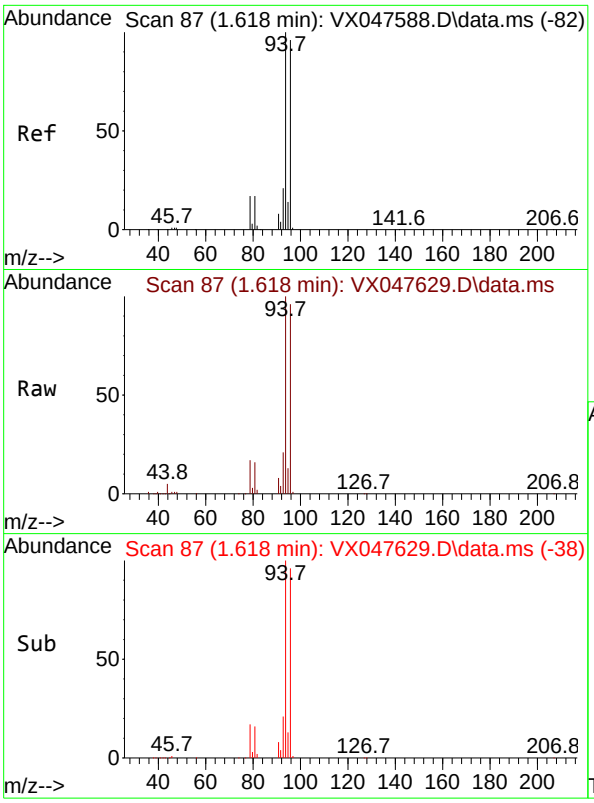


#4
Vinyl Chloride
Concen: 47.414 ug/l
RT: 1.380 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX047629.D
Acq: 17 Sep 2025 19:01

Tgt Ion: 62 Resp: 100136

Ion	Ratio	Lower	Upper
62	100		
64	32.2	24.9	37.3



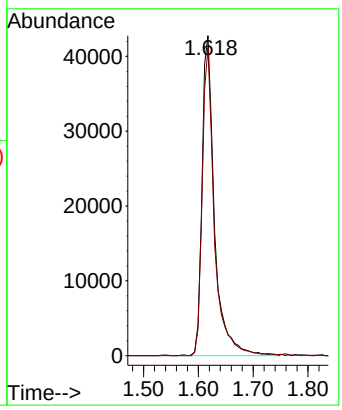


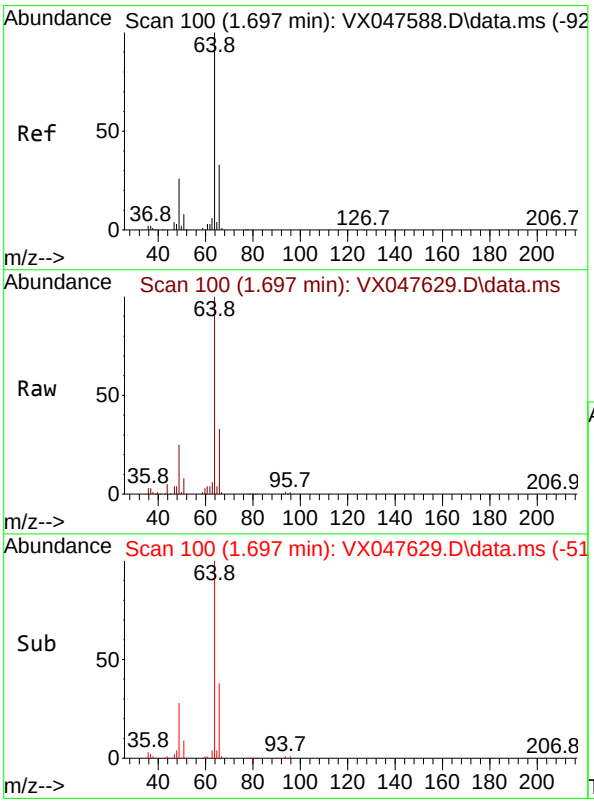
#5
Bromomethane
Concen: 50.299 ug/l
RT: 1.618 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX047629.D
Acq: 17 Sep 2025 19:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 94 Resp: 67361

Ion	Ratio	Lower	Upper
94	100		
96	96.3	76.6	115.0

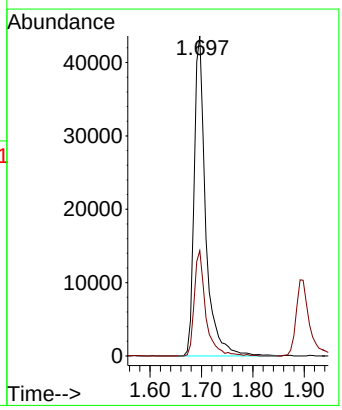


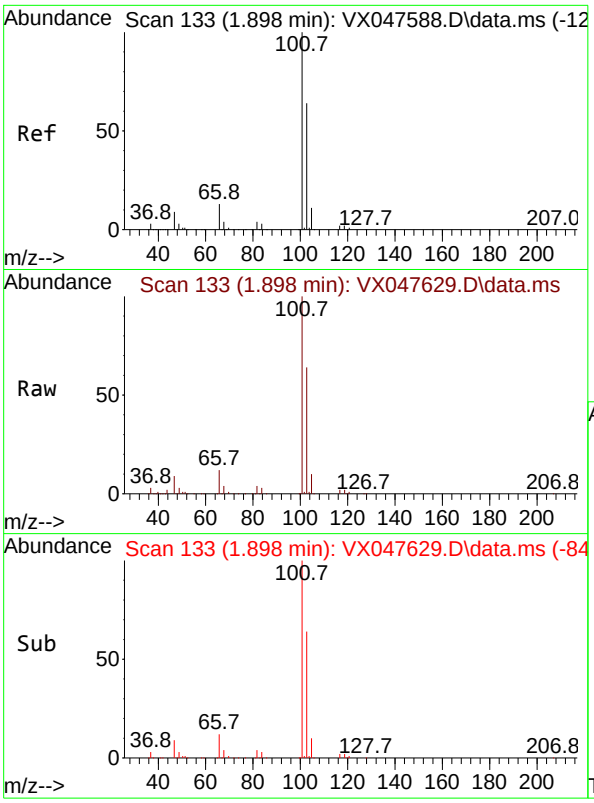


#6
Chloroethane
Concen: 48.234 ug/l
RT: 1.697 min Scan# 100
Delta R.T. -0.000 min
Lab File: VX047629.D
Acq: 17 Sep 2025 19:01

Tgt Ion: 64 Resp: 68085

Ion	Ratio	Lower	Upper
64	100		
66	32.9	26.1	39.1



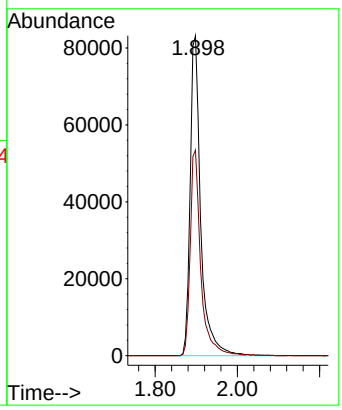


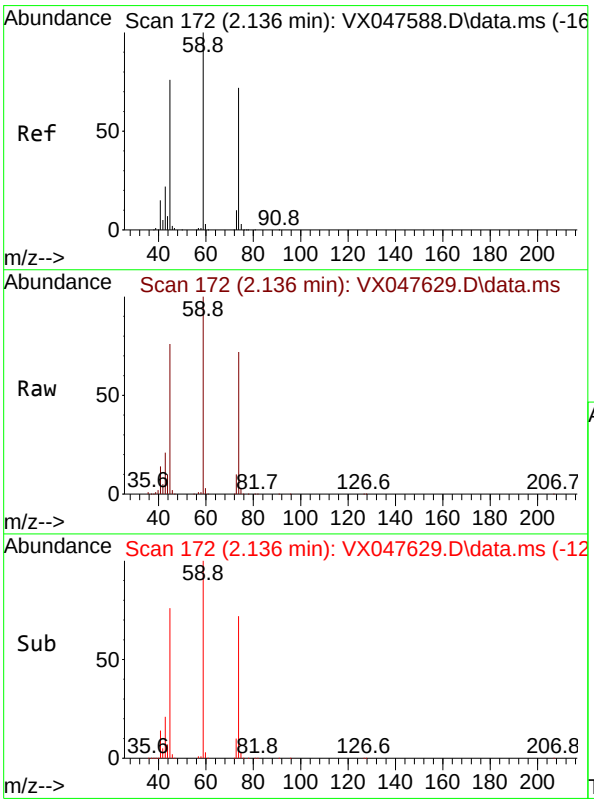
#7
Trichlorofluoromethane
Concen: 47.473 ug/l
RT: 1.898 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047629.D
Acq: 17 Sep 2025 19:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:101 Resp: 148866

Ion	Ratio	Lower	Upper
101	100		
103	64.3	51.4	77.2

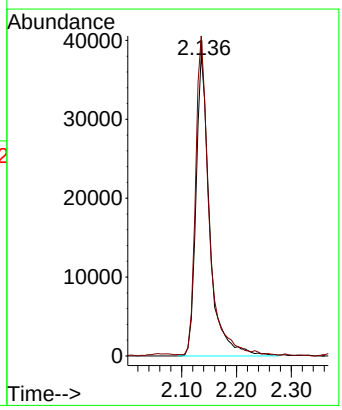


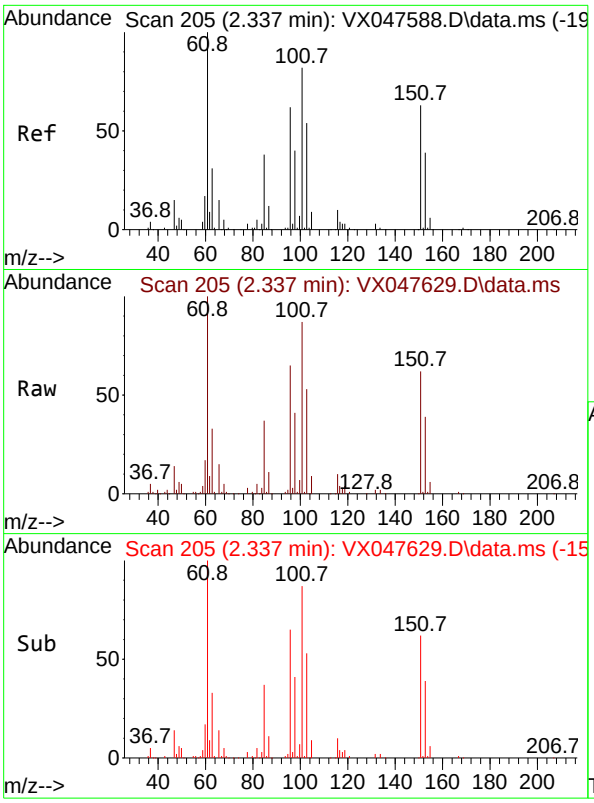


#8
Diethyl Ether
Concen: 51.915 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX047629.D
Acq: 17 Sep 2025 19:01

Tgt Ion: 74 Resp: 66594

Ion	Ratio	Lower	Upper
74	100		
45	104.8	52.3	156.8



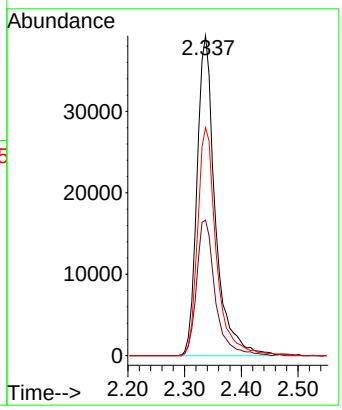


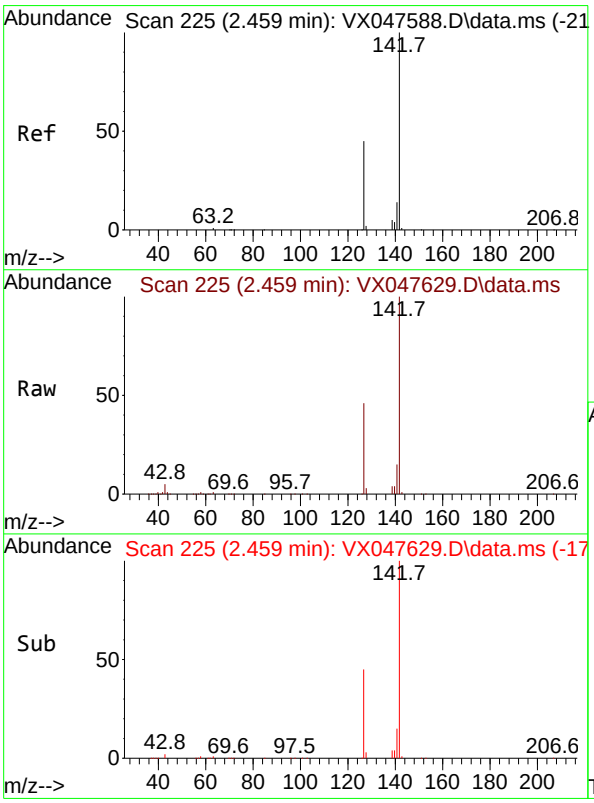
#9
1,1,2-Trichlorotrifluoroethane
Concen: 47.840 ug/l
RT: 2.337 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047629.D
Acq: 17 Sep 2025 19:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:101 Resp: 87720

Ion	Ratio	Lower	Upper
101	100		
85	43.4	35.5	53.3
151	73.5	59.4	89.0

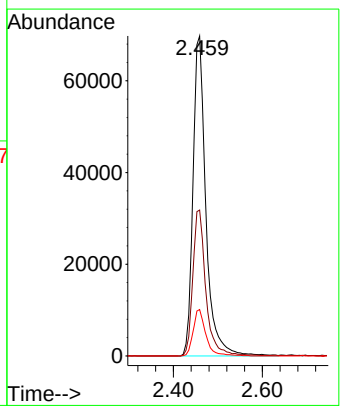


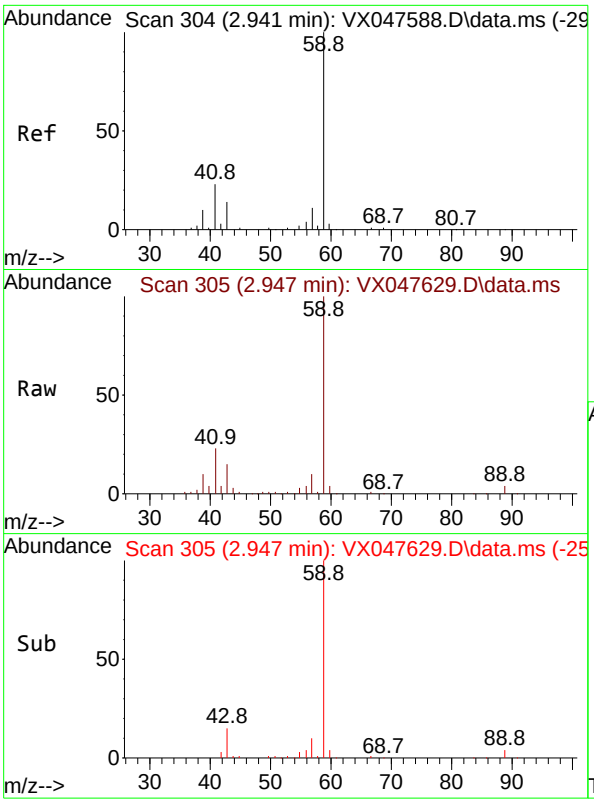


#10
Methyl Iodide
Concen: 49.129 ug/l
RT: 2.459 min Scan# 225
Delta R.T. -0.000 min
Lab File: VX047629.D
Acq: 17 Sep 2025 19:01

Tgt Ion:142 Resp: 140492

Ion	Ratio	Lower	Upper
142	100		
127	46.0	37.2	55.8
141	14.3	11.4	17.0



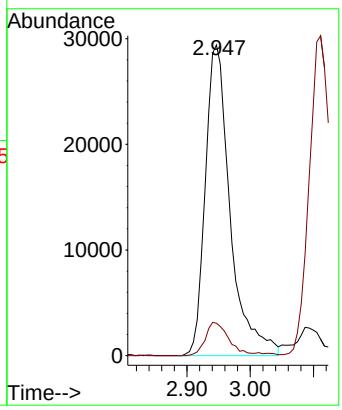


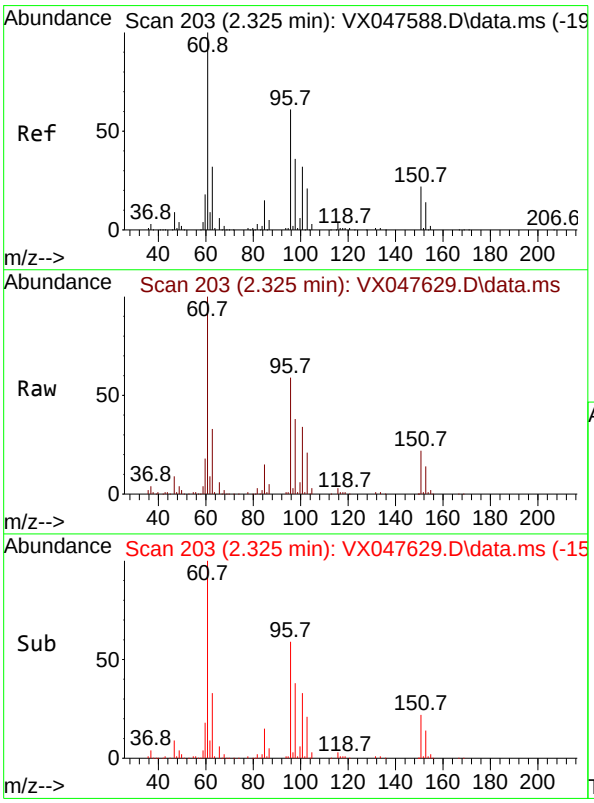
#11
Tert butyl alcohol
Concen: 286.736 ug/l
RT: 2.947 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX047629.D
Acq: 17 Sep 2025 19:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 59 Resp: 80583

Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.3	12.5

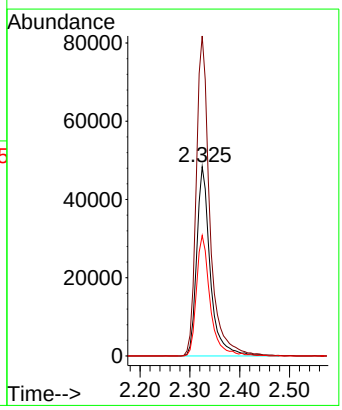


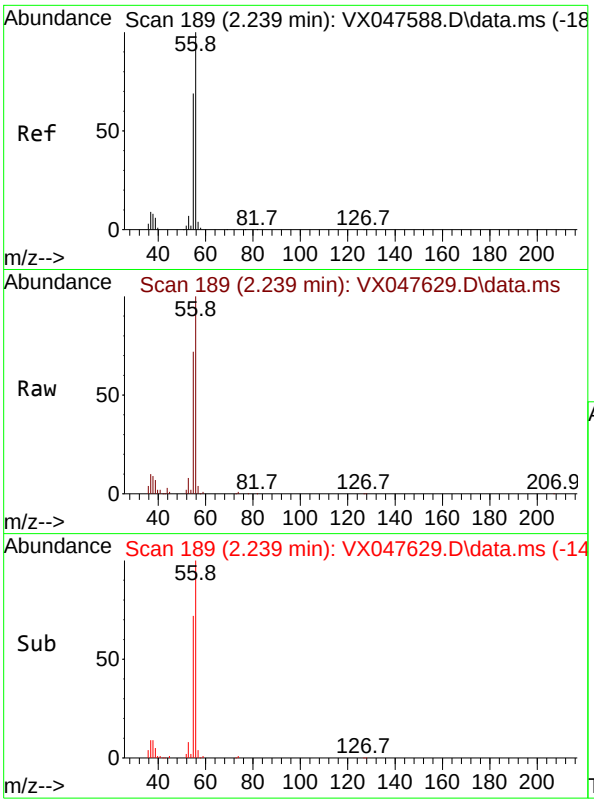


#12
1,1-Dichloroethene
Concen: 48.398 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX047629.D
Acq: 17 Sep 2025 19:01

Tgt Ion: 96 Resp: 91157

Ion	Ratio	Lower	Upper
96	100		
61	169.1	131.0	196.6
98	63.7	47.7	71.5



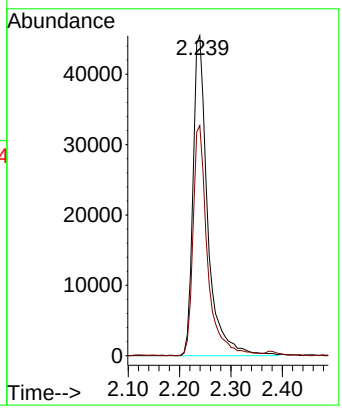


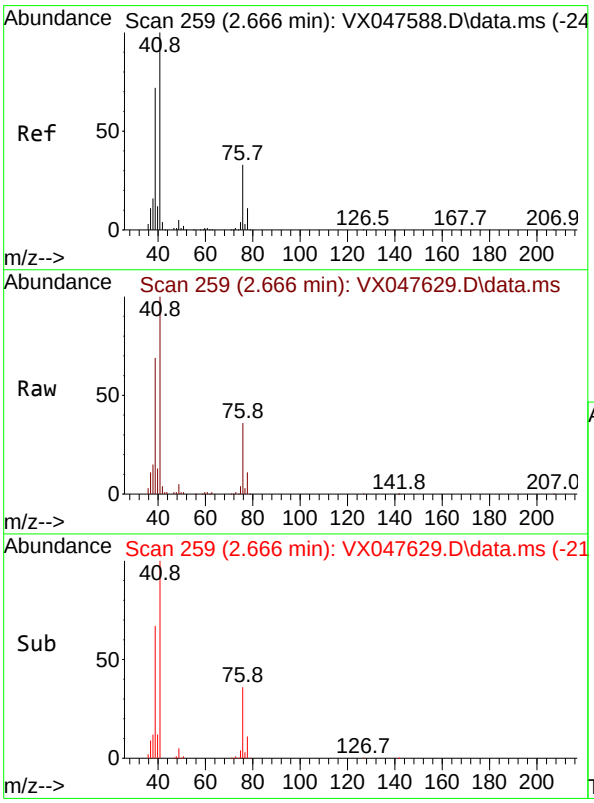
#13
Acrolein
Concen: 348.634 ug/l
RT: 2.239 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047629.D
Acq: 17 Sep 2025 19:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 56 Resp: 90289

Ion	Ratio	Lower	Upper
56	100		
55	71.1	57.2	85.8

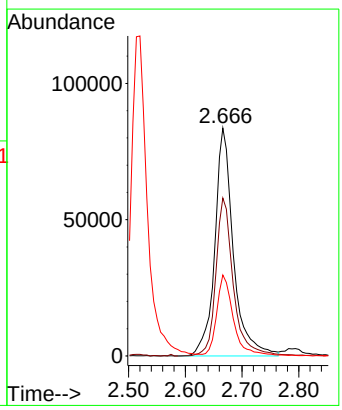


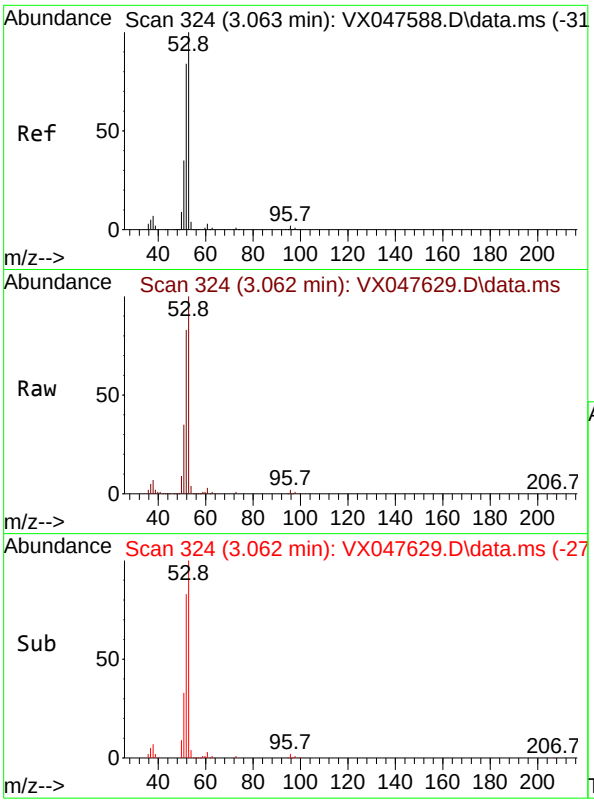


#14
Allyl chloride
Concen: 49.177 ug/l
RT: 2.666 min Scan# 259
Delta R.T. -0.000 min
Lab File: VX047629.D
Acq: 17 Sep 2025 19:01

Tgt Ion: 41 Resp: 191131

Ion	Ratio	Lower	Upper
41	100		
39	65.4	54.7	82.1
76	31.3	25.7	38.5



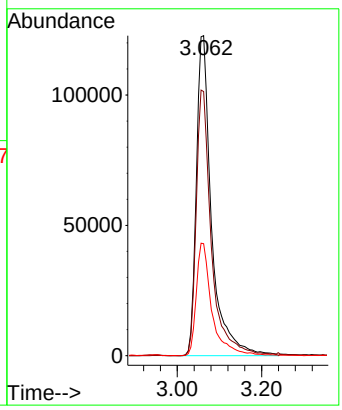


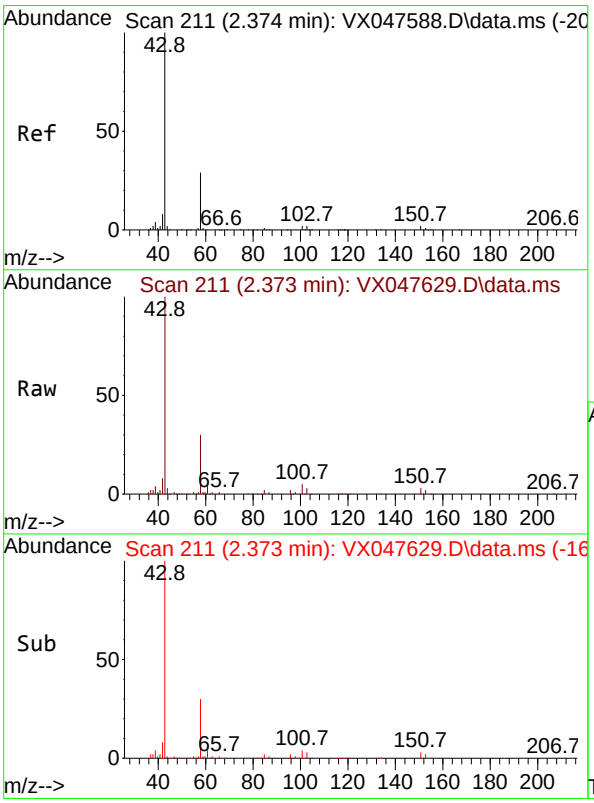
#15
Acrylonitrile
Concen: 296.803 ug/l
RT: 3.062 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047629.D
Acq: 17 Sep 2025 19:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 53 Resp: 308964

Ion	Ratio	Lower	Upper
53	100		
52	82.6	66.4	99.6
51	36.5	29.5	44.3

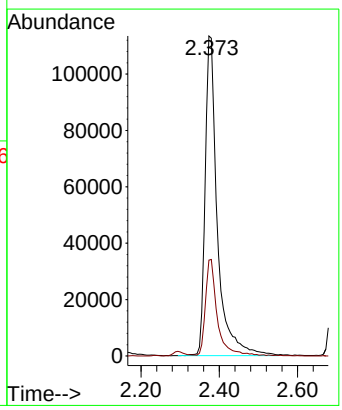


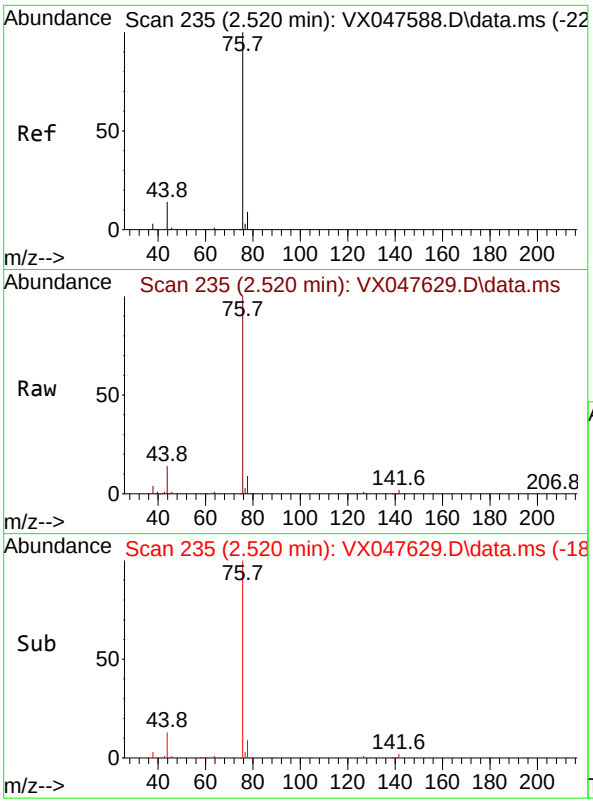


#16
Acetone
Concen: 223.121 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX047629.D
Acq: 17 Sep 2025 19:01

Tgt Ion: 43 Resp: 244801

Ion	Ratio	Lower	Upper
43	100		
58	29.8	23.4	35.0



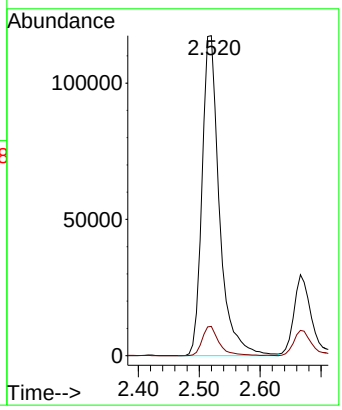


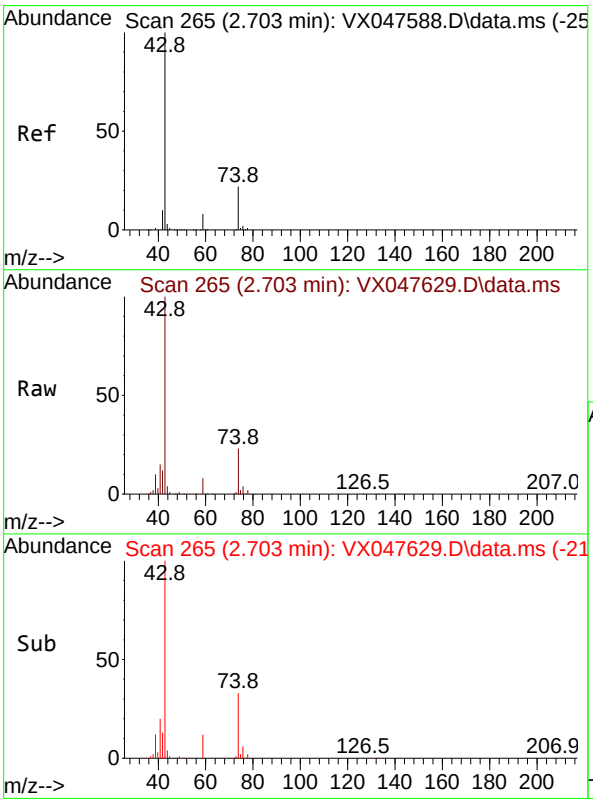
#17
Carbon Disulfide
Concen: 45.064 ug/l
RT: 2.520 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047629.D
Acq: 17 Sep 2025 19:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 76 Resp: 232360

Ion	Ratio	Lower	Upper
76	100		
78	9.3	6.8	10.2

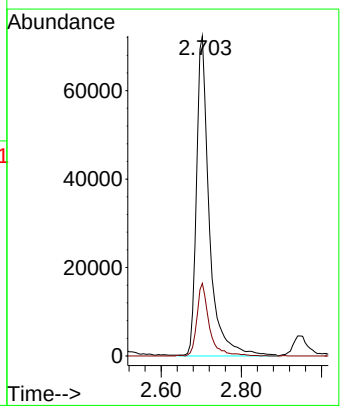


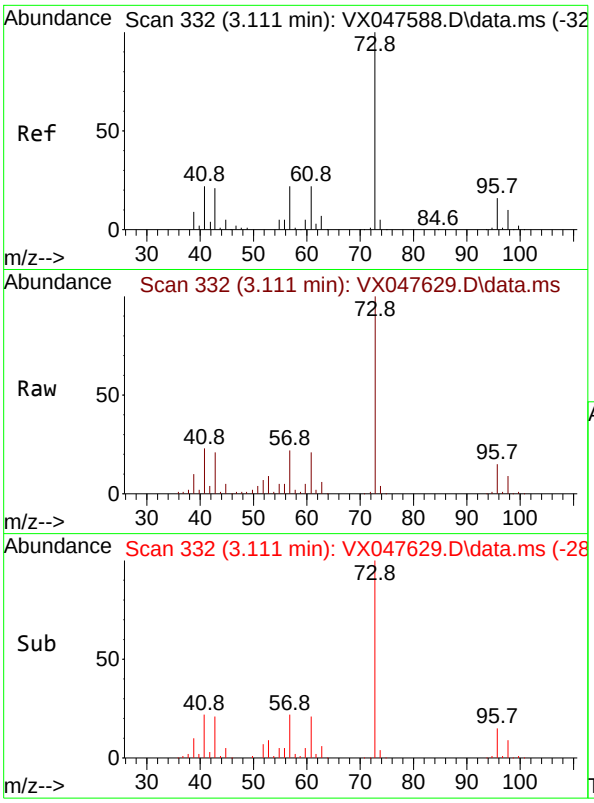


#18
Methyl Acetate
Concen: 65.810 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX047629.D
Acq: 17 Sep 2025 19:01

Tgt Ion: 43 Resp: 160691

Ion	Ratio	Lower	Upper
43	100		
74	21.9	17.4	26.2



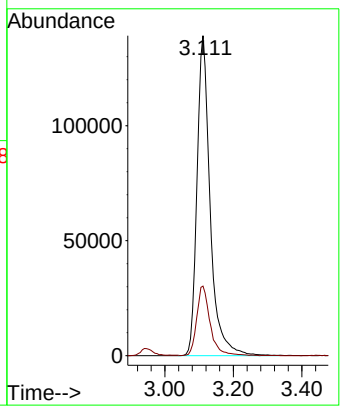


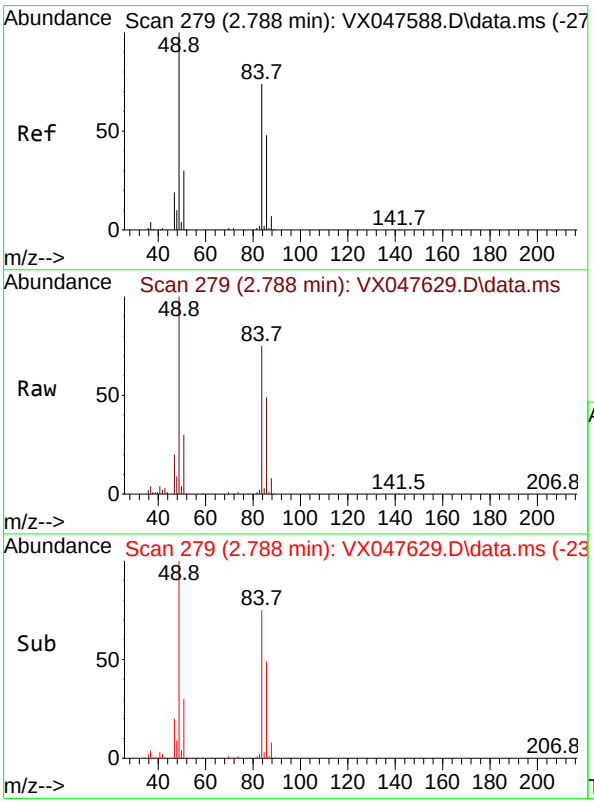
#19
Methyl tert-butyl Ether
Concen: 54.077 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047629.D
Acq: 17 Sep 2025 19:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 73 Resp: 371809

Ion	Ratio	Lower	Upper
73	100		
57	21.7	17.4	26.2

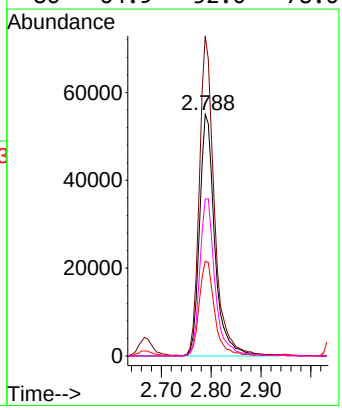


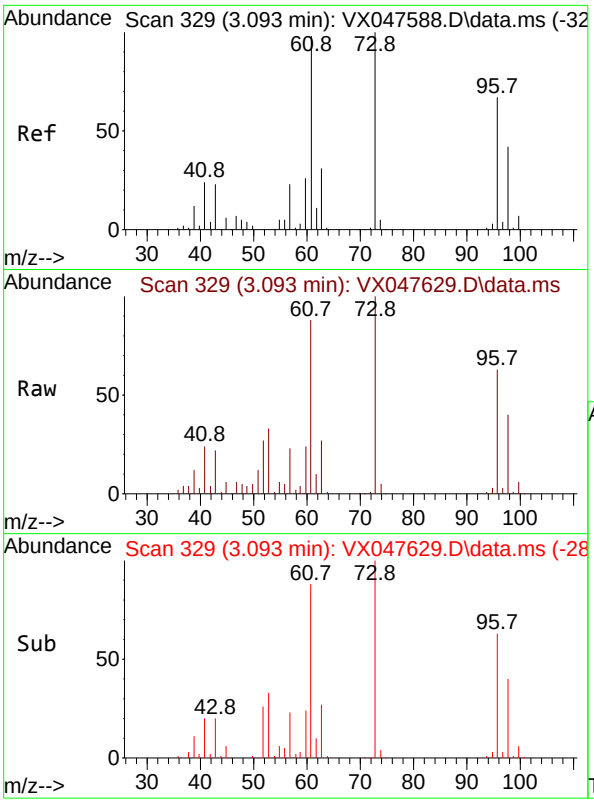


#20
Methylene Chloride
Concen: 50.308 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX047629.D
Acq: 17 Sep 2025 19:01

Tgt Ion: 84 Resp: 116836

Ion	Ratio	Lower	Upper
84	100		
49	132.2	108.6	162.8
51	39.2	32.6	48.8
86	64.9	52.0	78.0



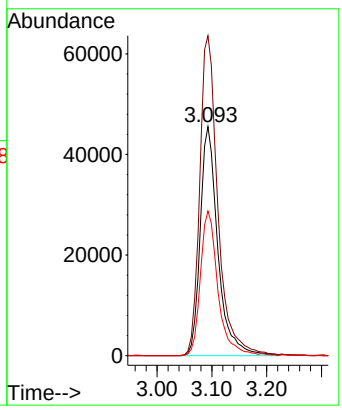


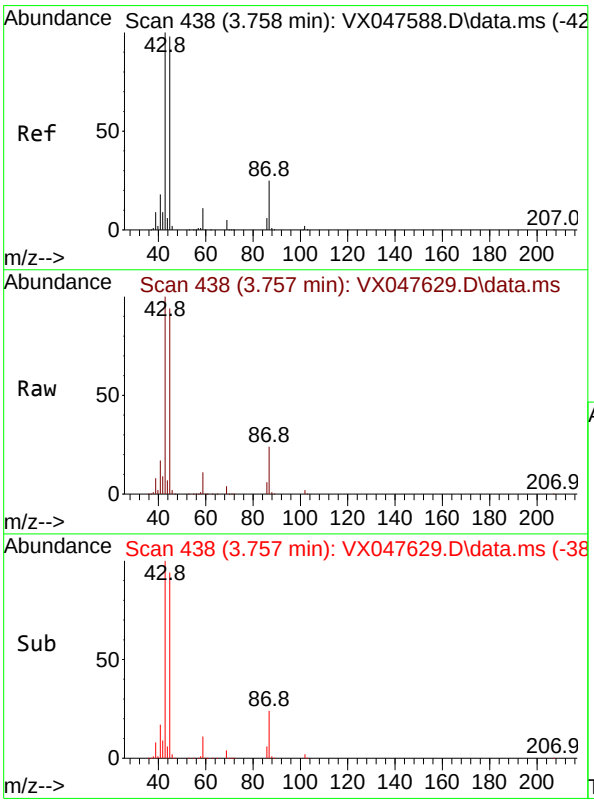
#21
trans-1,2-Dichloroethene
Concen: 50.301 ug/l
RT: 3.093 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047629.D
Acq: 17 Sep 2025 19:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 96 Resp: 102000

Ion	Ratio	Lower	Upper
96	100		
61	139.7	116.2	174.2
98	63.1	49.3	73.9

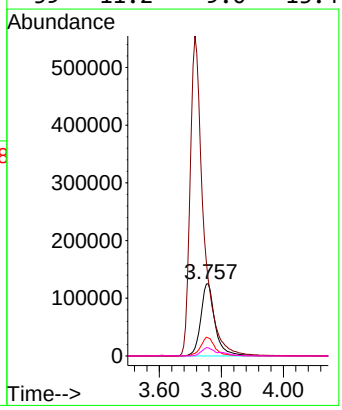


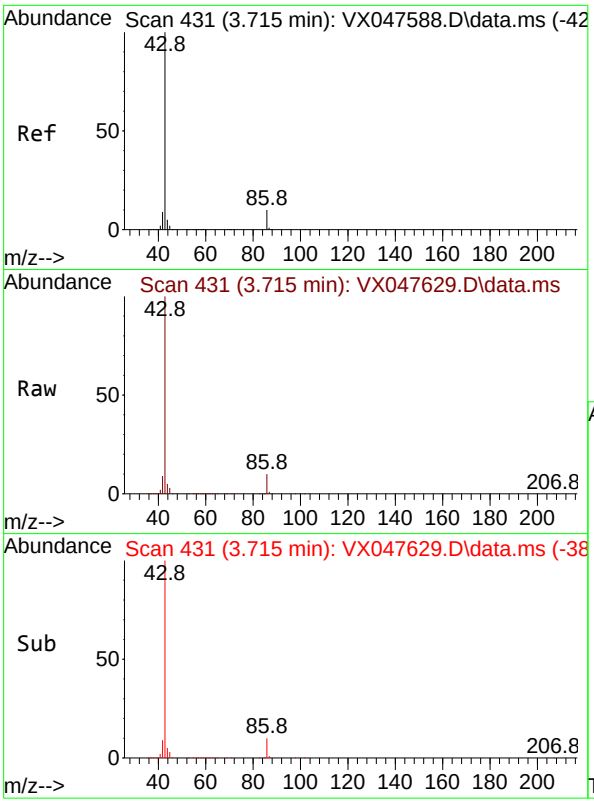


#22
Diisopropyl ether
Concen: 53.219 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.000 min
Lab File: VX047629.D
Acq: 17 Sep 2025 19:01

Tgt Ion: 45 Resp: 400864

Ion	Ratio	Lower	Upper
45	100		
43	106.4	81.0	121.4
87	25.0	20.3	30.5
59	11.2	9.0	13.4



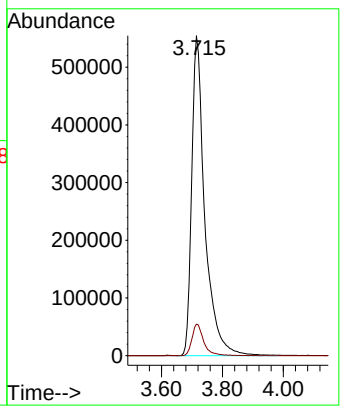


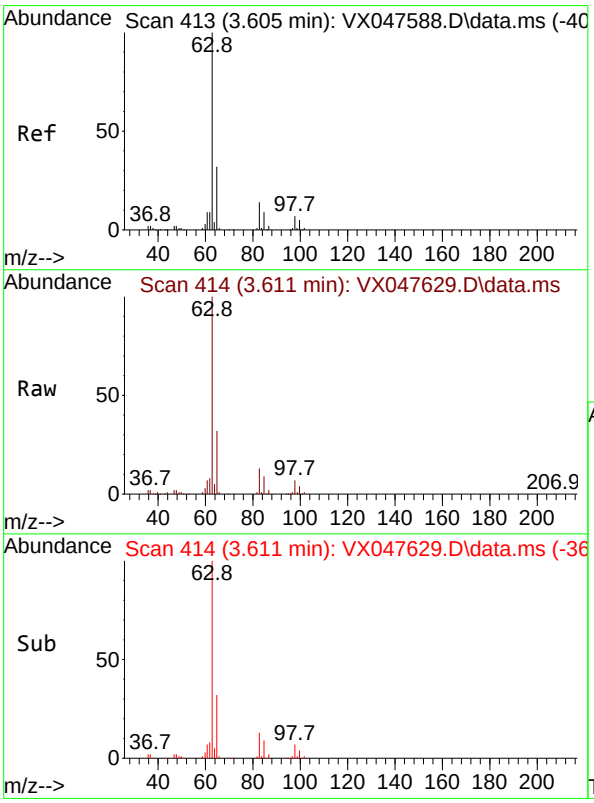
#23
Vinyl Acetate
Concen: 275.264 ug/l
RT: 3.715 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX047629.D
Acq: 17 Sep 2025 19:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 1659429

Ion	Ratio	Lower	Upper
43	100		
86	9.9	7.8	11.8

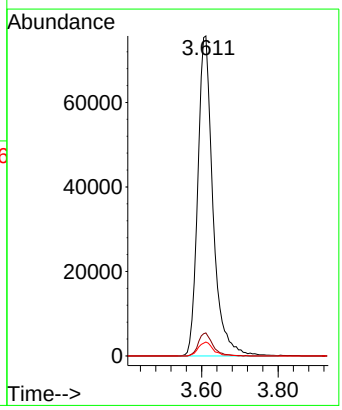


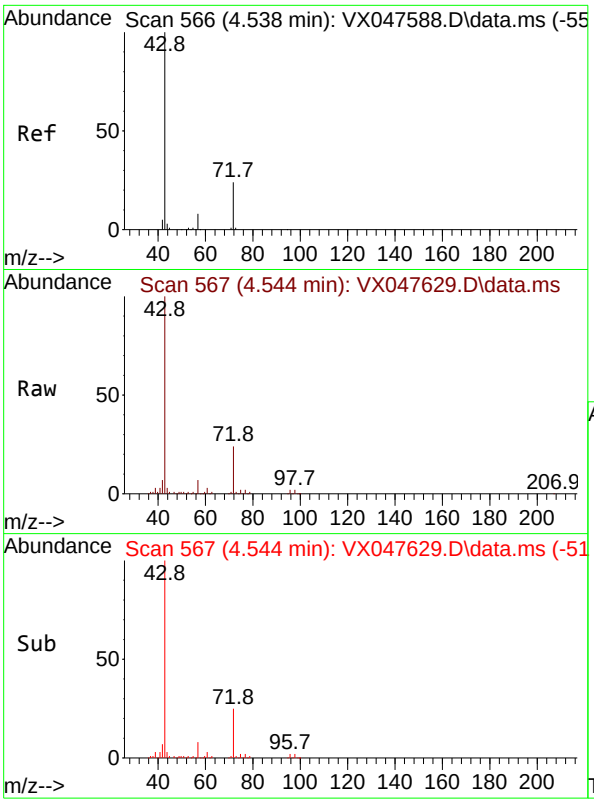


#24
1,1-Dichloroethane
Concen: 51.993 ug/l
RT: 3.611 min Scan# 414
Delta R.T. 0.006 min
Lab File: VX047629.D
Acq: 17 Sep 2025 19:01

Tgt Ion: 63 Resp: 208155

Ion	Ratio	Lower	Upper
63	100		
98	7.2	3.8	11.2
100	4.3	2.3	6.9



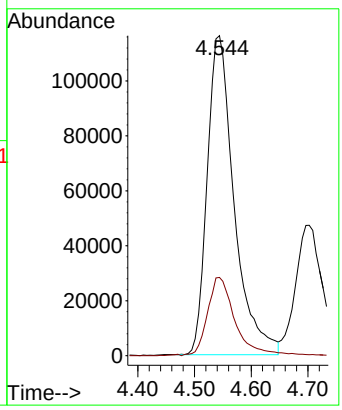


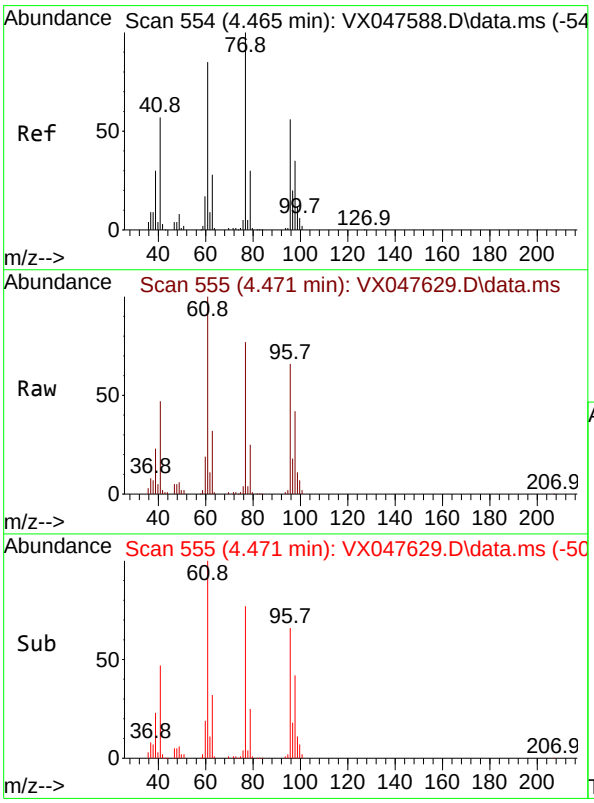
#25
2-Butanone
Concen: 279.960 ug/l
RT: 4.544 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX047629.D
Acq: 17 Sep 2025 19:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 383147

Ion	Ratio	Lower	Upper
43	100		
72	23.9	20.1	30.1

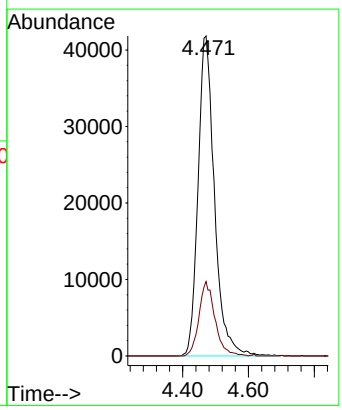


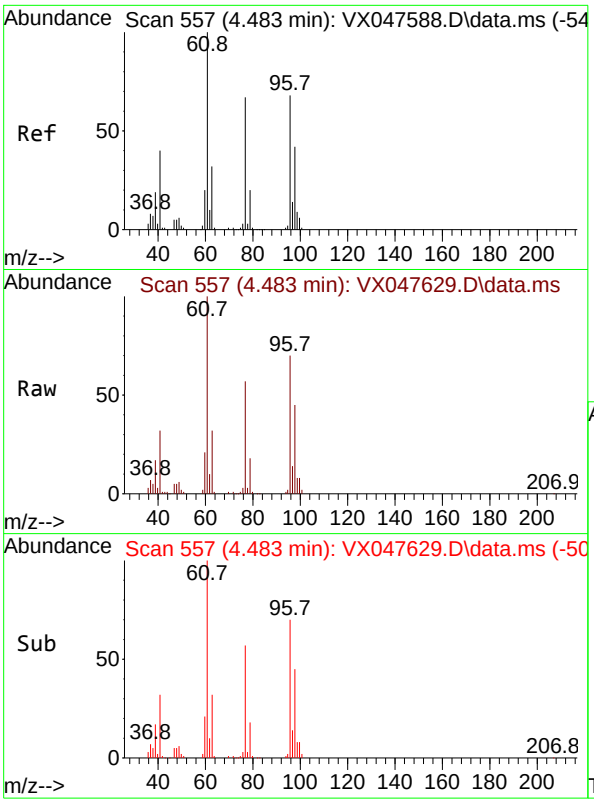


#26
2,2-Dichloropropane
Concen: 43.574 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX047629.D
Acq: 17 Sep 2025 19:01

Tgt Ion: 77 Resp: 145013

Ion	Ratio	Lower	Upper
77	100		
97	22.6	10.9	32.7



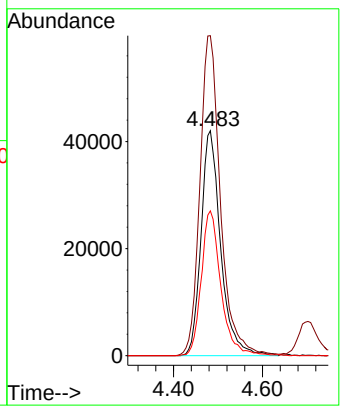


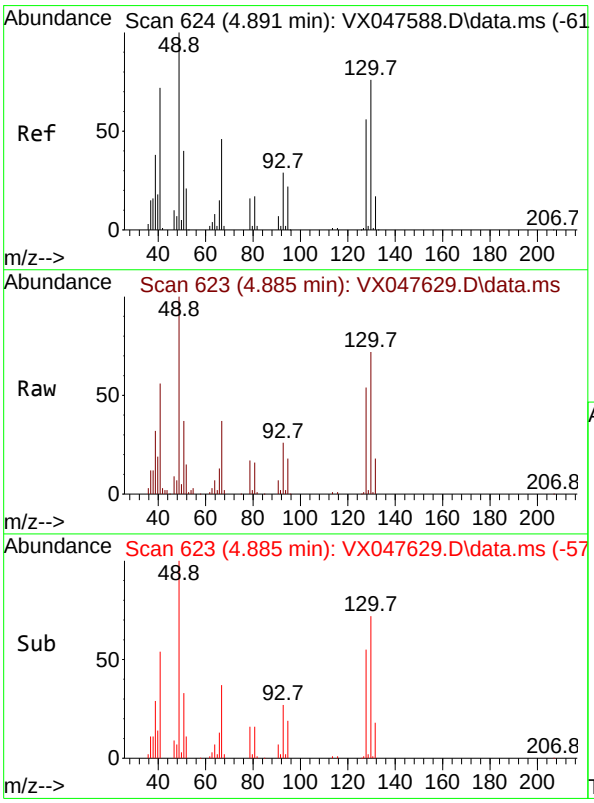
#27
cis-1,2-Dichloroethene
Concen: 52.031 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX047629.D
Acq: 17 Sep 2025 19:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 96 Resp: 129212

Ion	Ratio	Lower	Upper
96	100		
61	149.3	0.0	303.2
98	64.4	0.0	127.8

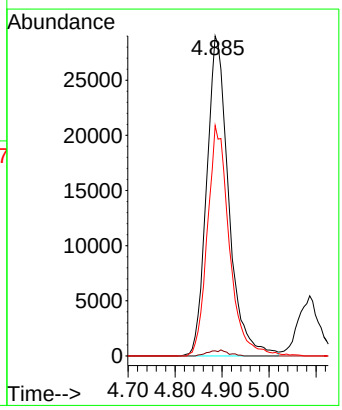


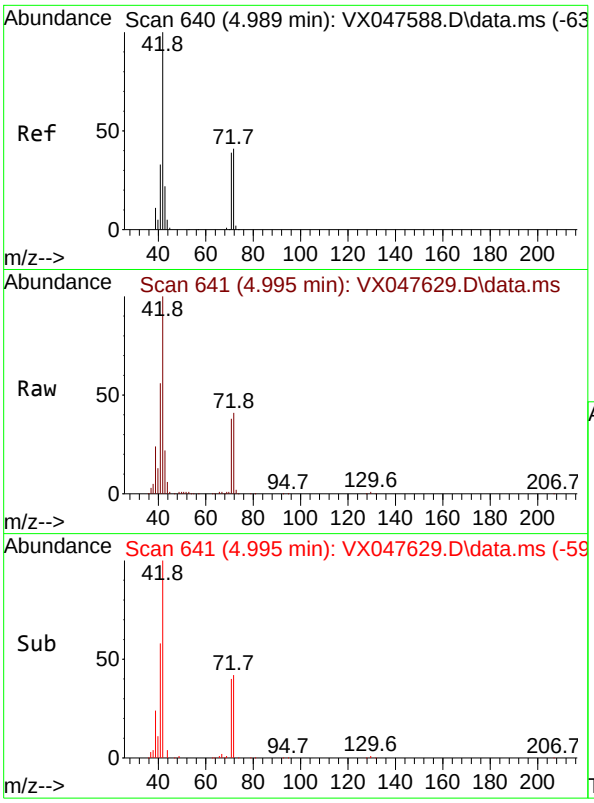


#28
Bromochloromethane
Concen: 53.925 ug/l
RT: 4.885 min Scan# 623
Delta R.T. -0.006 min
Lab File: VX047629.D
Acq: 17 Sep 2025 19:01

Tgt Ion: 49 Resp: 94251

Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.2
130	71.9	57.8	86.8



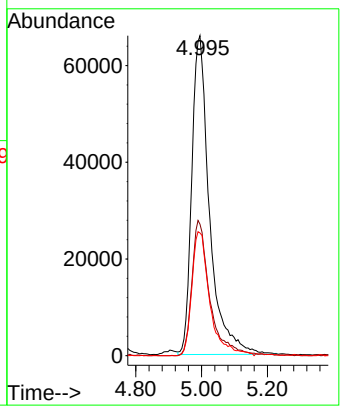


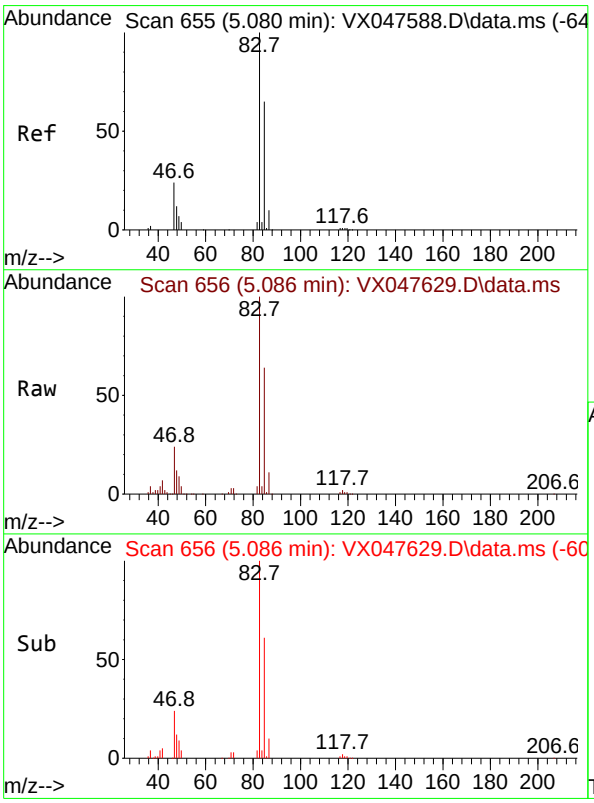
#29
Tetrahydrofuran
Concen: 299.524 ug/l
RT: 4.995 min Scan# 64
Delta R.T. 0.006 min
Lab File: VX047629.D
Acq: 17 Sep 2025 19:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 42 Resp: 246600

Ion	Ratio	Lower	Upper
42	100		
72	42.7	34.2	51.2
71	39.3	31.9	47.9

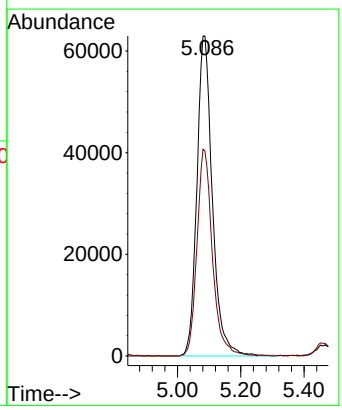


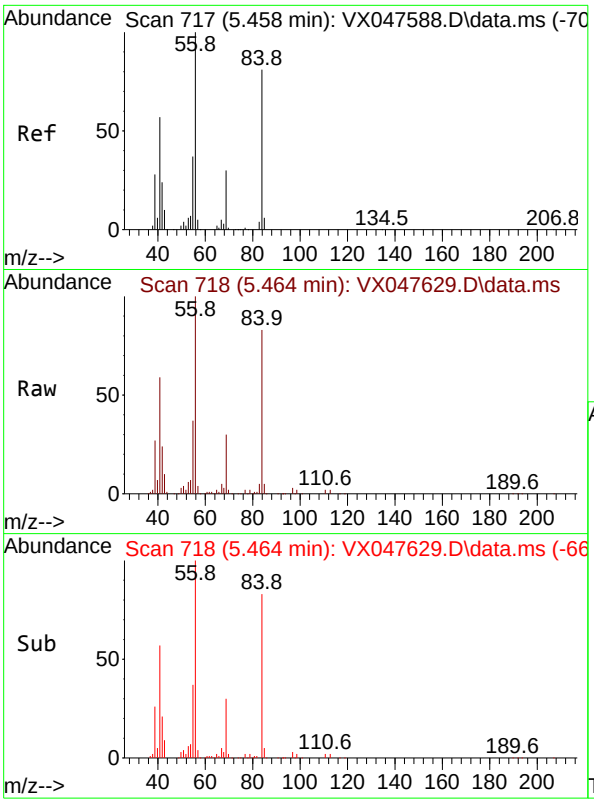


#30
Chloroform
Concen: 53.027 ug/l
RT: 5.086 min Scan# 656
Delta R.T. 0.006 min
Lab File: VX047629.D
Acq: 17 Sep 2025 19:01

Tgt Ion: 83 Resp: 214530

Ion	Ratio	Lower	Upper
83	100		
85	64.0	51.8	77.6



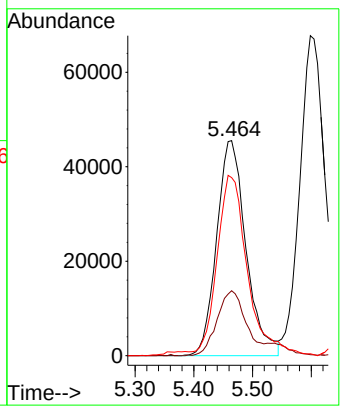


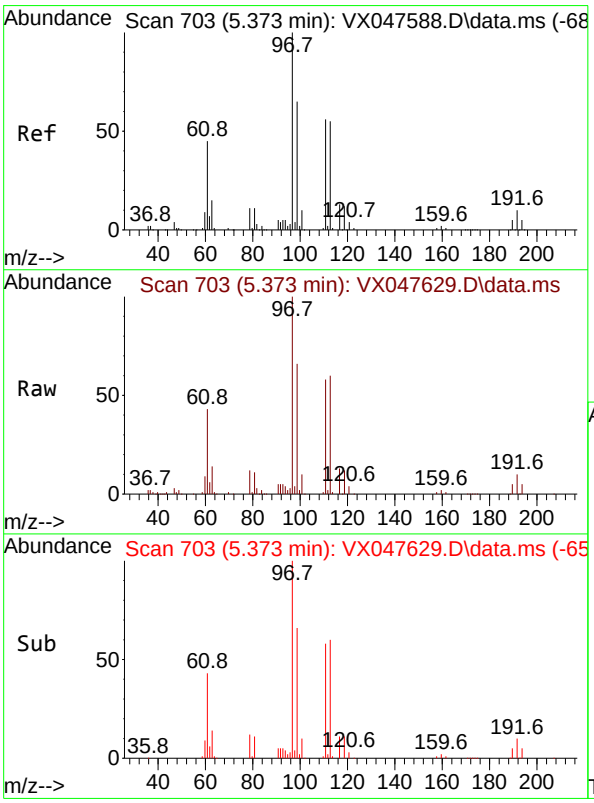
#31
Cyclohexane
Concen: 47.373 ug/l
RT: 5.464 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047629.D
Acq: 17 Sep 2025 19:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 56 Resp: 157963

Ion	Ratio	Lower	Upper
56	100		
69	29.6	23.8	35.8
84	80.9	64.6	97.0

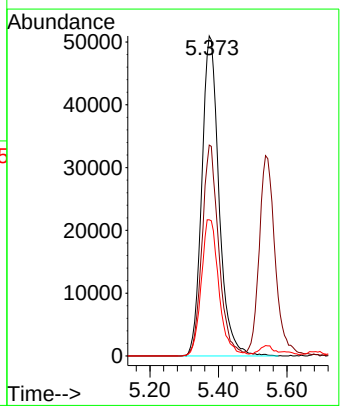


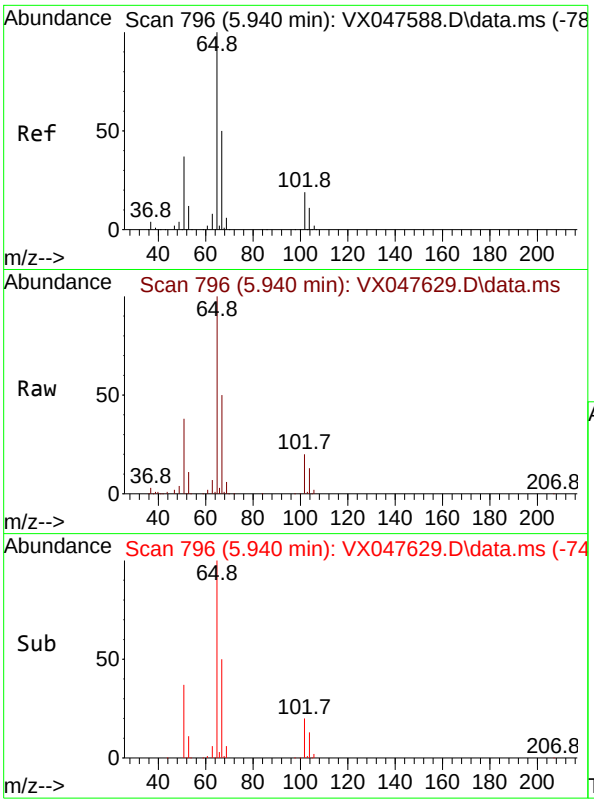


#32
1,1,1-Trichloroethane
Concen: 51.907 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX047629.D
Acq: 17 Sep 2025 19:01

Tgt Ion: 97 Resp: 178123

Ion	Ratio	Lower	Upper
97	100		
99	63.7	50.6	76.0
61	43.7	35.8	53.8



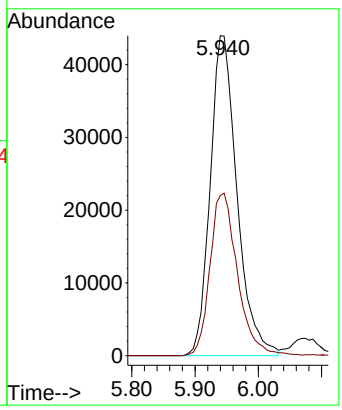


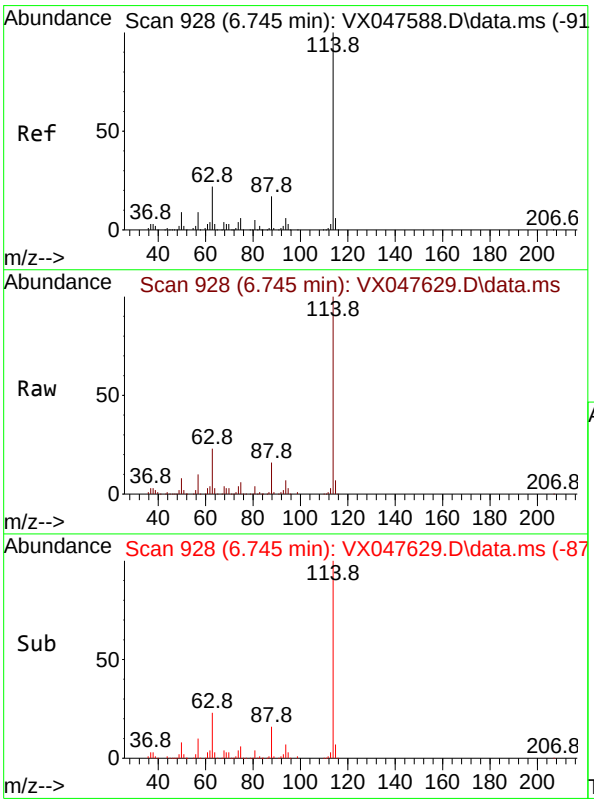
#33
1,2-Dichloroethane-d4
Concen: 51.280 ug/l
RT: 5.940 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047629.D
Acq: 17 Sep 2025 19:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 65 Resp: 129399

Ion	Ratio	Lower	Upper
65	100		
67	52.1	0.0	103.0

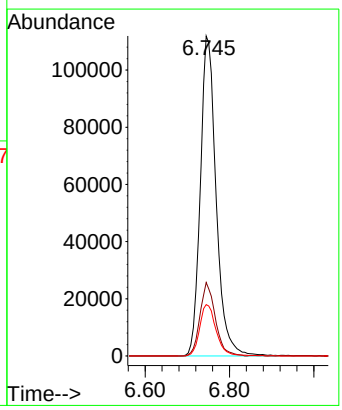


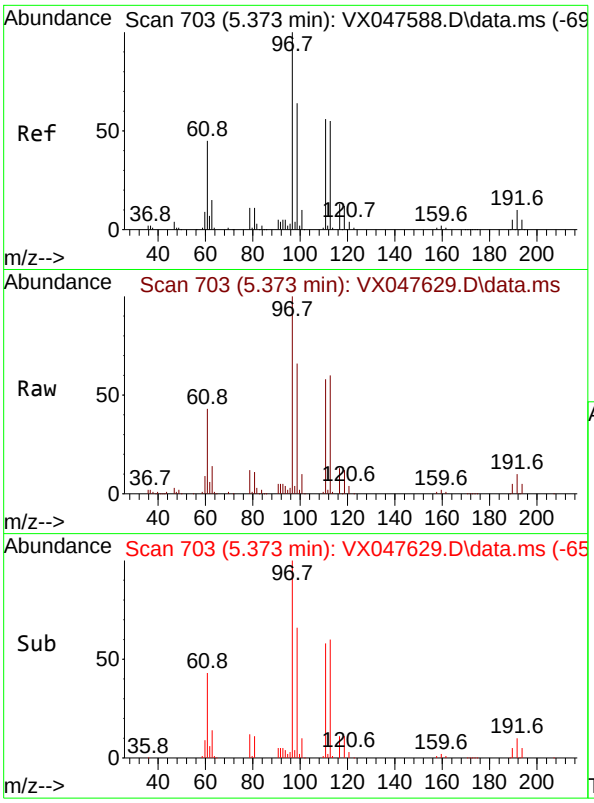


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 928
Delta R.T. -0.000 min
Lab File: VX047629.D
Acq: 17 Sep 2025 19:01

Tgt Ion:114 Resp: 292304

Ion	Ratio	Lower	Upper
114	100		
63	23.0	0.0	44.0
88	16.1	0.0	34.2



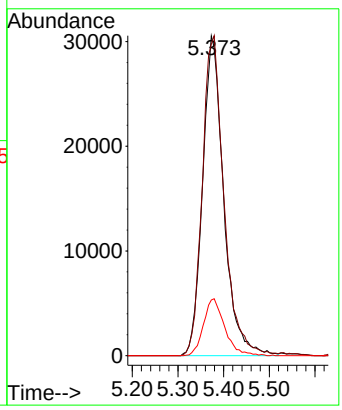


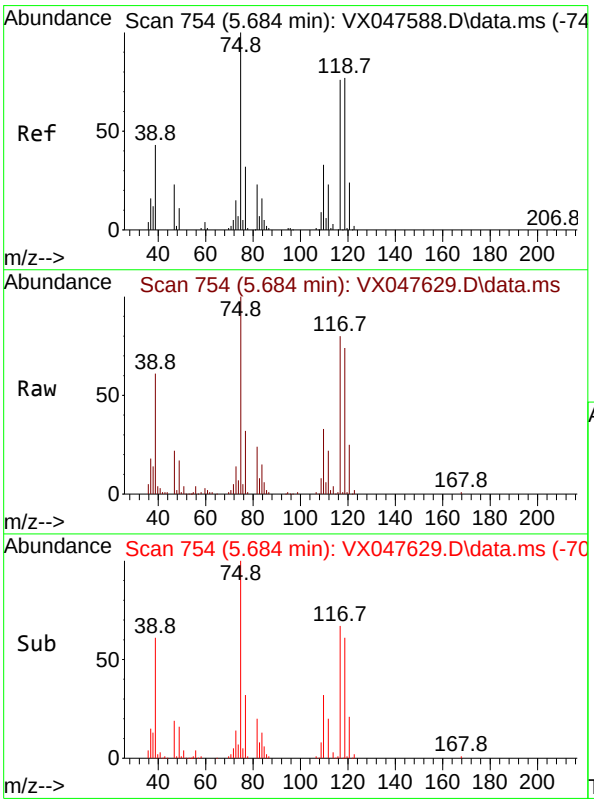
#35
Dibromofluoromethane
Concen: 49.897 ug/l
RT: 5.373 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047629.D
Acq: 17 Sep 2025 19:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:113 Resp: 97816

Ion	Ratio	Lower	Upper
113	100		
111	102.7	80.9	121.3
192	17.9	14.2	21.4

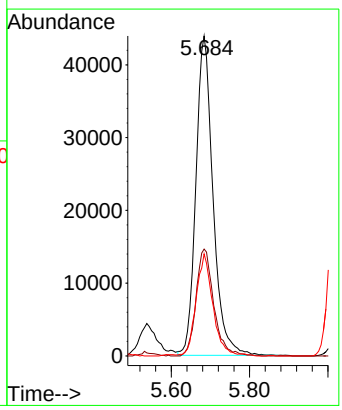


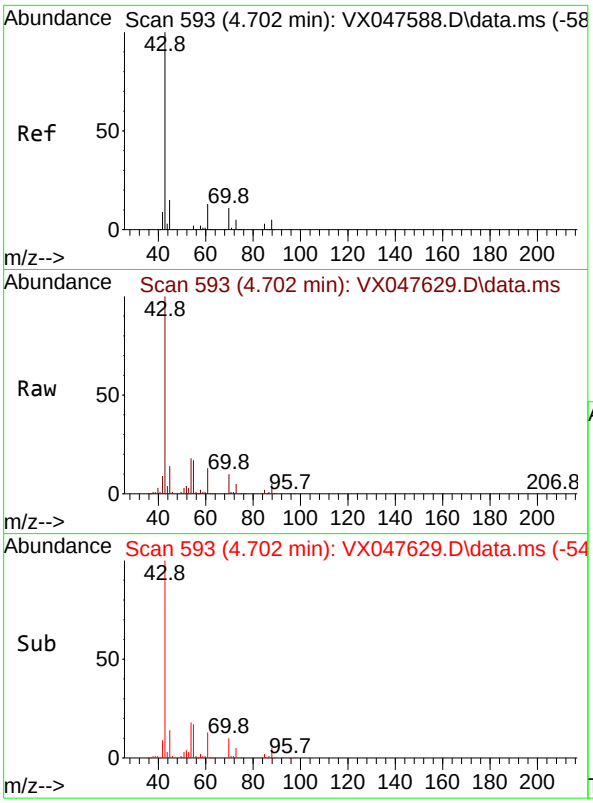


#36
1,1-Dichloropropene
Concen: 46.610 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.000 min
Lab File: VX047629.D
Acq: 17 Sep 2025 19:01

Tgt Ion: 75 Resp: 133515

Ion	Ratio	Lower	Upper
75	100		
110	34.8	16.7	50.1
77	31.3	24.3	36.5



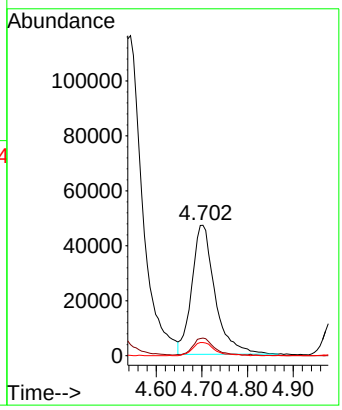


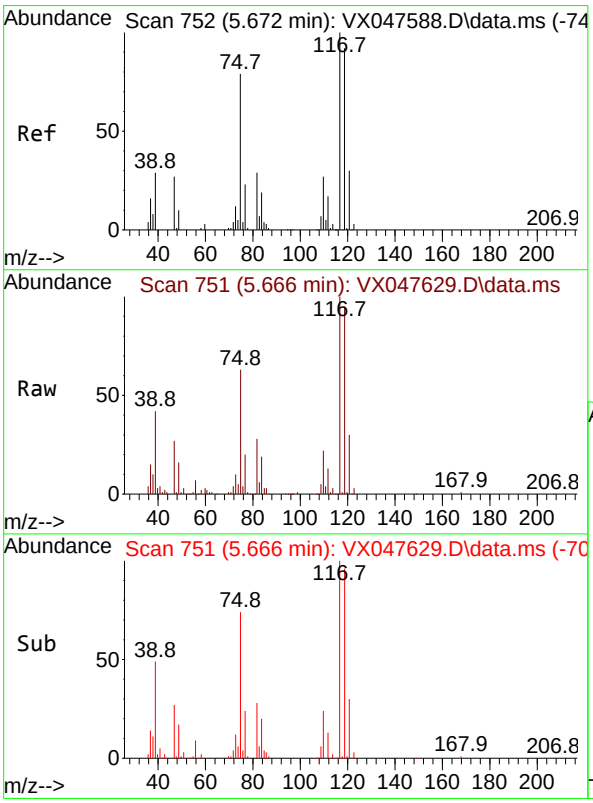
#37
Ethyl Acetate
Concen: 54.084 ug/l
RT: 4.702 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX047629.D
Acq: 17 Sep 2025 19:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 165882

Ion	Ratio	Lower	Upper
43	100		
61	11.5	9.8	14.8
70	9.7	7.9	11.9

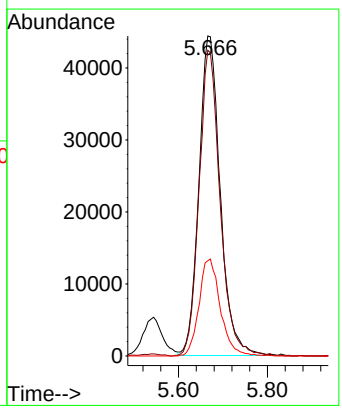


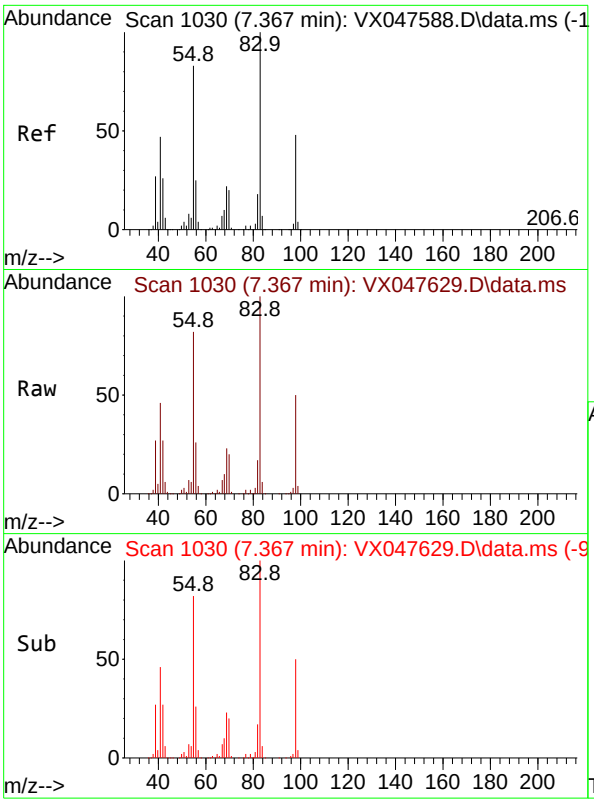


#38
Carbon Tetrachloride
Concen: 47.609 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX047629.D
Acq: 17 Sep 2025 19:01

Tgt Ion:117 Resp: 148177

Ion	Ratio	Lower	Upper
117	100		
119	95.4	73.4	110.2
121	29.8	23.8	35.6



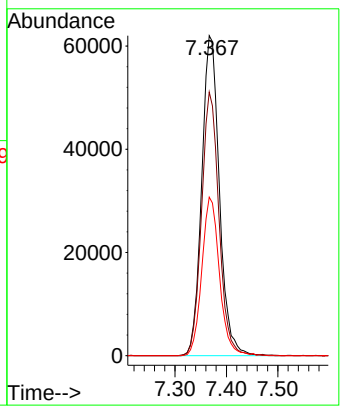


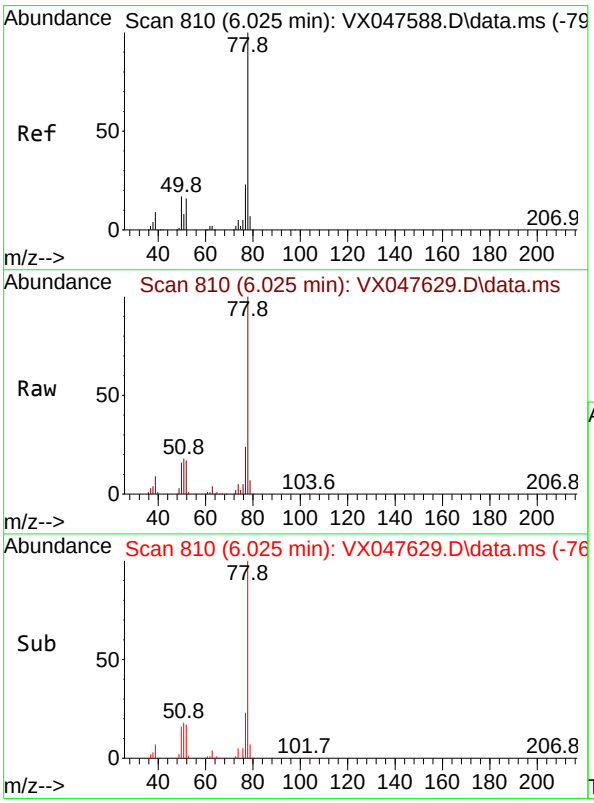
#39
Methylcyclohexane
Concen: 45.546 ug/l
RT: 7.367 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047629.D
Acq: 17 Sep 2025 19:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 148100

Ion	Ratio	Lower	Upper
83	100		
55	82.4	66.4	99.6
98	49.6	38.1	57.1

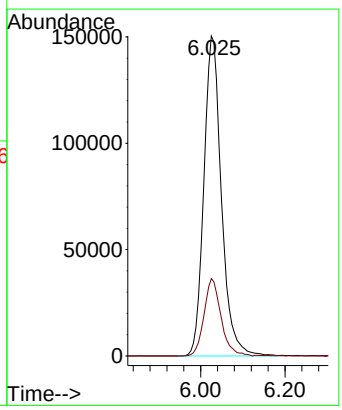


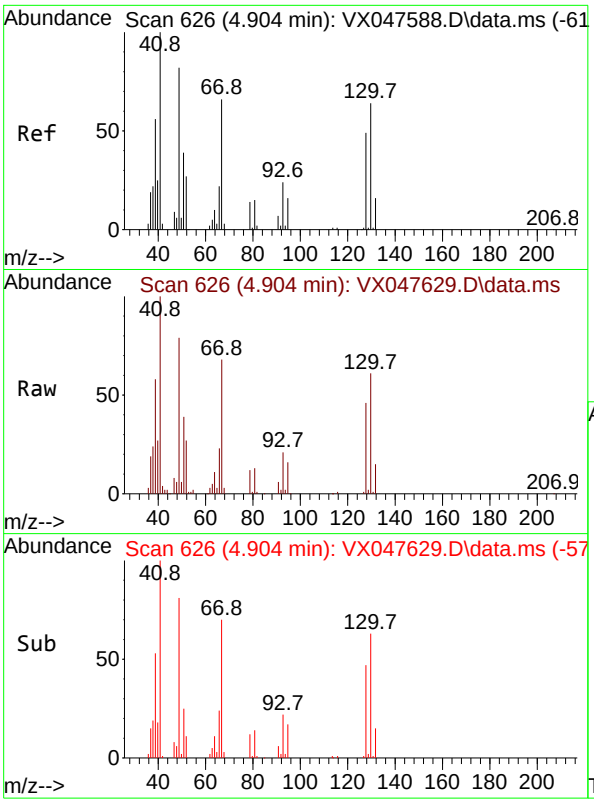


#40
Benzene
Concen: 50.154 ug/l
RT: 6.025 min Scan# 810
Delta R.T. -0.000 min
Lab File: VX047629.D
Acq: 17 Sep 2025 19:01

Tgt Ion: 78 Resp: 436357

Ion	Ratio	Lower	Upper
78	100		
77	24.2	18.8	28.2



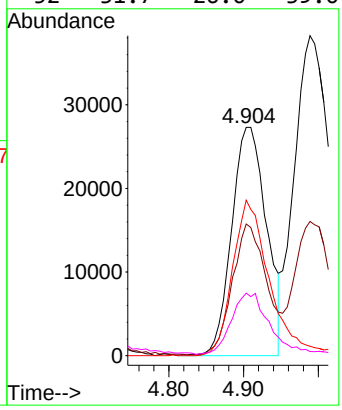


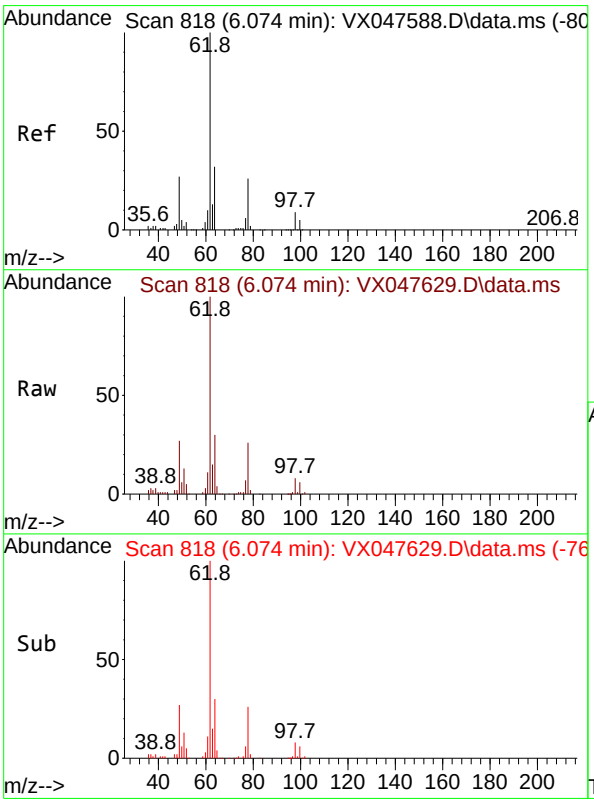
#41
Methacrylonitrile
Concen: 55.897 ug/l
RT: 4.904 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX047629.D
Acq: 17 Sep 2025 19:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 41 Resp: 88508

Ion	Ratio	Lower	Upper
41	100		
39	57.2	43.3	64.9
67	73.8	58.6	87.8
52	31.7	26.0	39.0

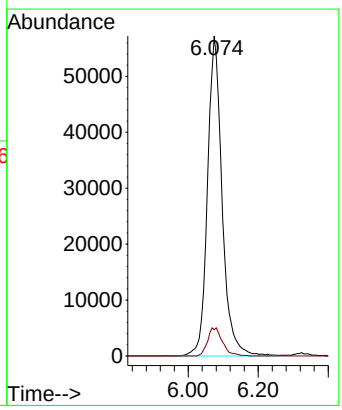


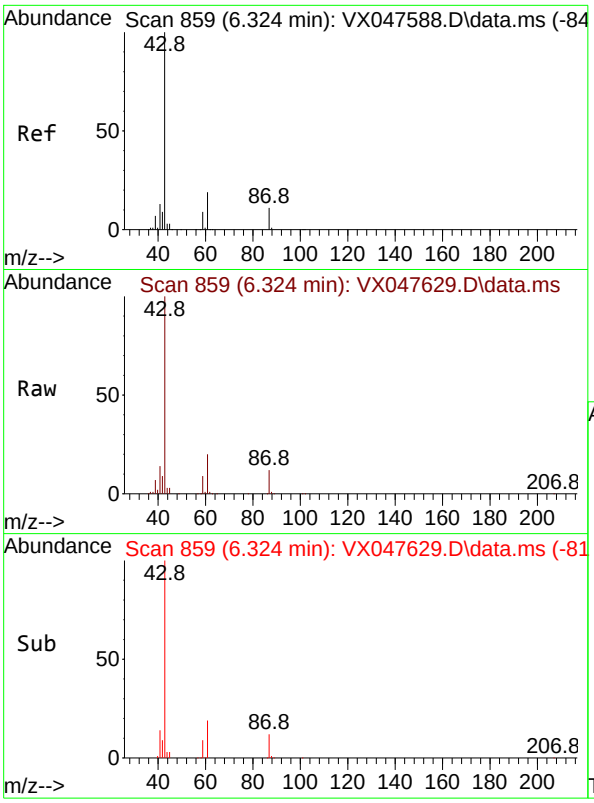


#42
1,2-Dichloroethane
Concen: 50.034 ug/l
RT: 6.074 min Scan# 818
Delta R.T. -0.000 min
Lab File: VX047629.D
Acq: 17 Sep 2025 19:01

Tgt Ion: 62 Resp: 165630

Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	17.0



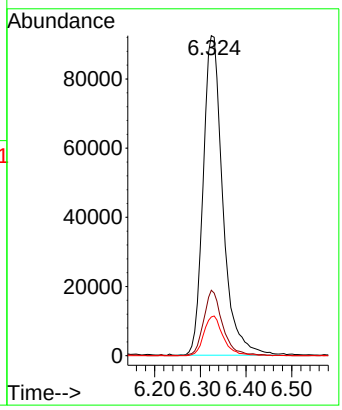


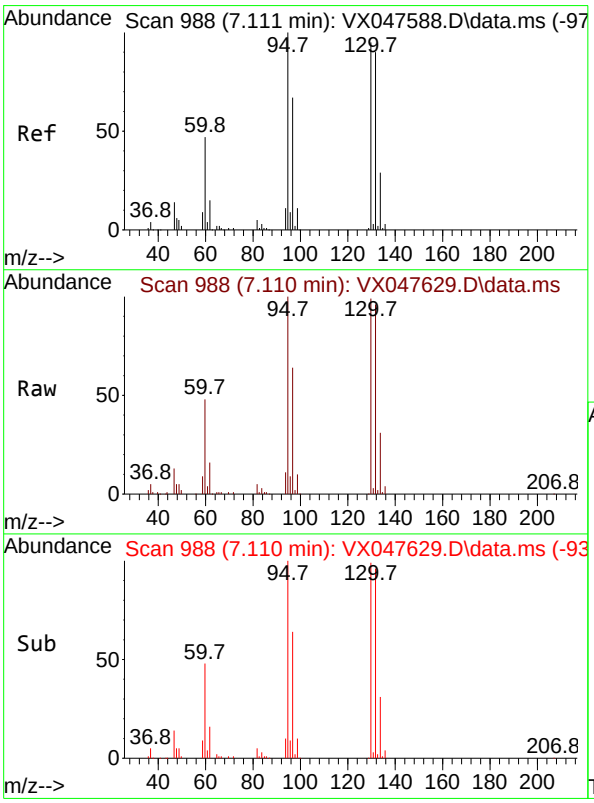
#43
Isopropyl Acetate
Concen: 54.664 ug/l
RT: 6.324 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX047629.D
Acq: 17 Sep 2025 19:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 274971

Ion	Ratio	Lower	Upper
43	100		
61	19.8	15.2	22.8
87	12.2	9.6	14.4

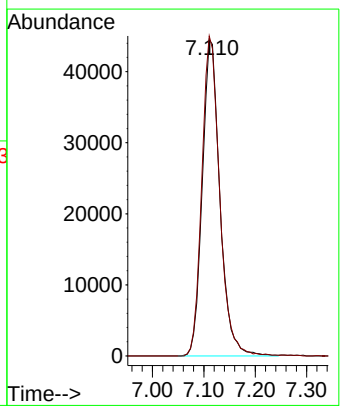


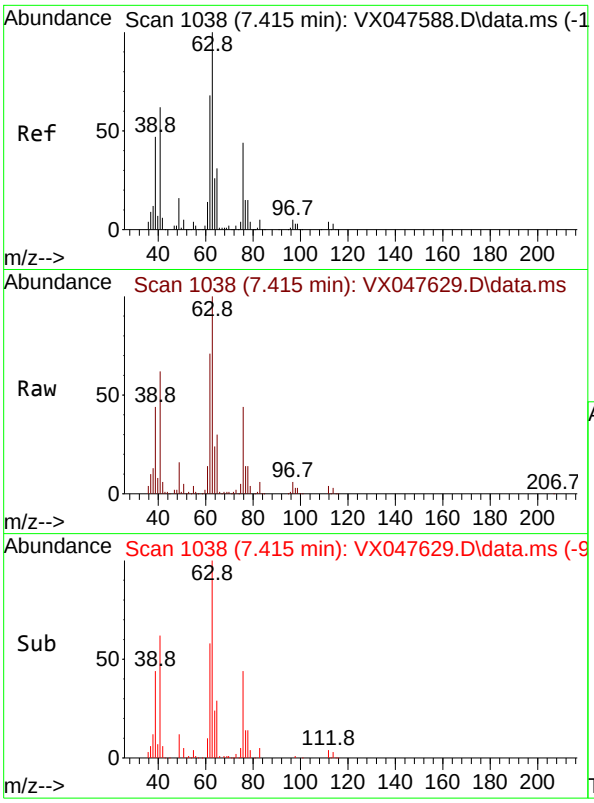


#44
Trichloroethene
Concen: 50.271 ug/l
RT: 7.110 min Scan# 988
Delta R.T. -0.000 min
Lab File: VX047629.D
Acq: 17 Sep 2025 19:01

Tgt Ion:130 Resp: 105741

Ion	Ratio	Lower	Upper
130	100		
95	101.2	0.0	210.8



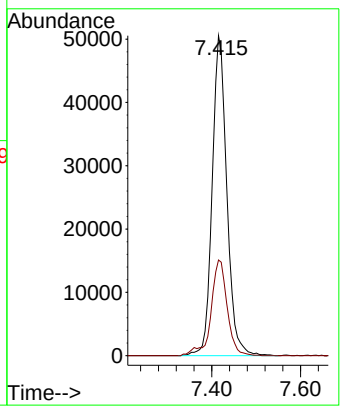


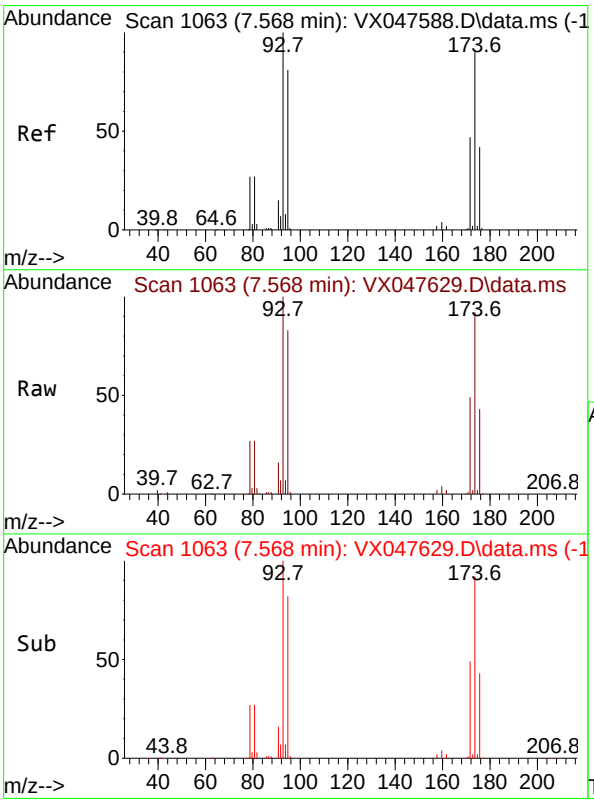
#45
1,2-Dichloropropane
Concen: 51.865 ug/l
RT: 7.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047629.D
Acq: 17 Sep 2025 19:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 63 Resp: 115545

Ion	Ratio	Lower	Upper
63	100		
65	29.9	24.7	37.1

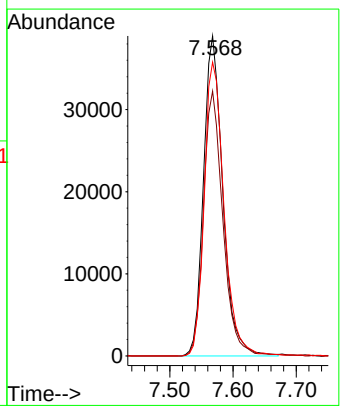


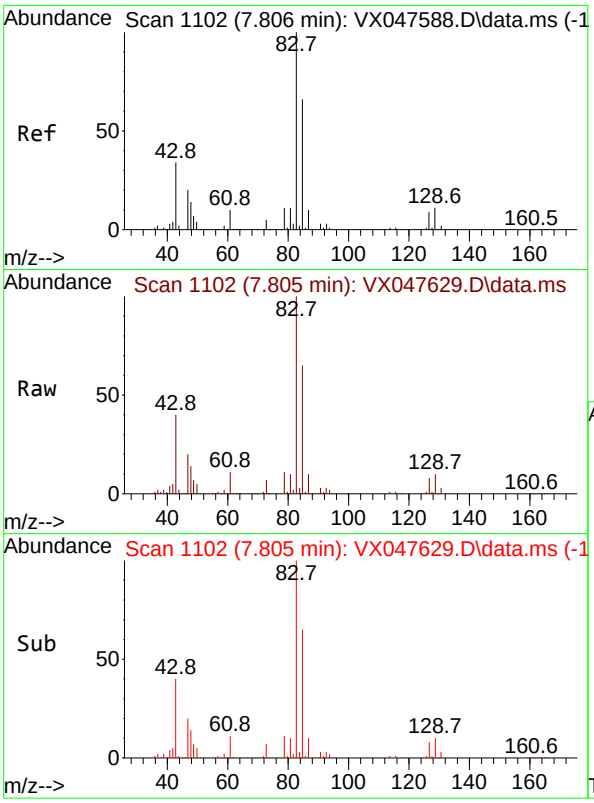


#46
Dibromomethane
Concen: 51.058 ug/l
RT: 7.568 min Scan# 1063
Delta R.T. -0.000 min
Lab File: VX047629.D
Acq: 17 Sep 2025 19:01

Tgt Ion: 93 Resp: 82775

Ion	Ratio	Lower	Upper
93	100		
95	83.6	65.0	97.6
174	94.1	71.6	107.4



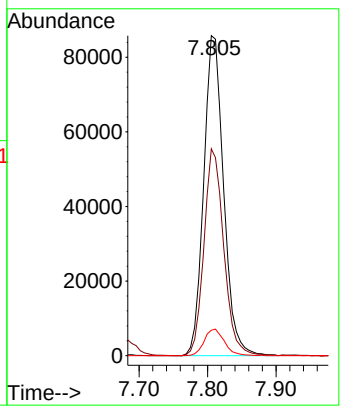


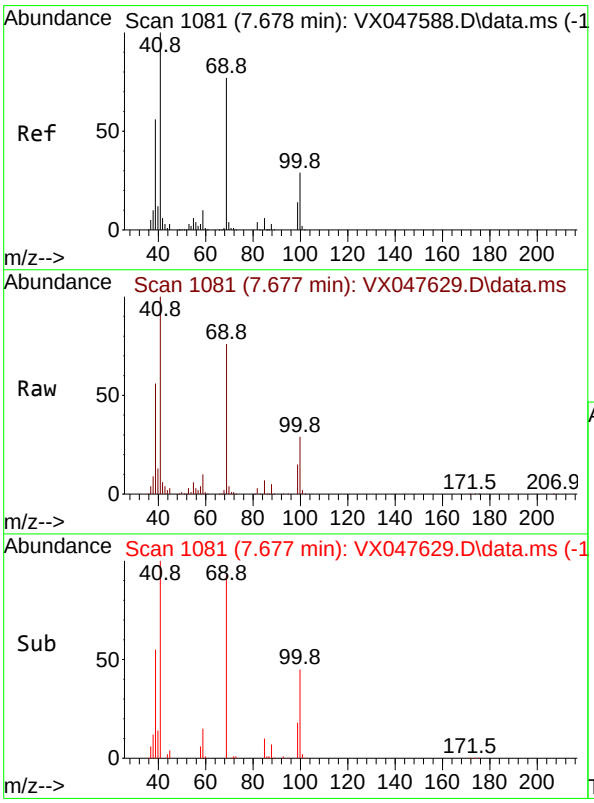
#47
Bromodichloromethane
Concen: 51.947 ug/l
RT: 7.805 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX047629.D
Acq: 17 Sep 2025 19:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 173783

Ion	Ratio	Lower	Upper
83	100		
85	64.6	52.5	78.7
127	8.0	6.9	10.3

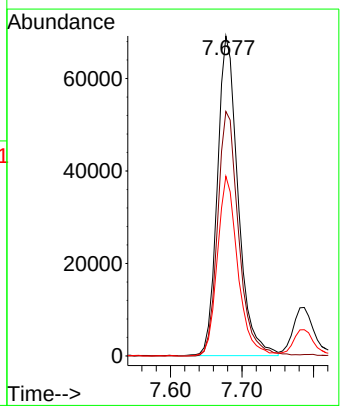


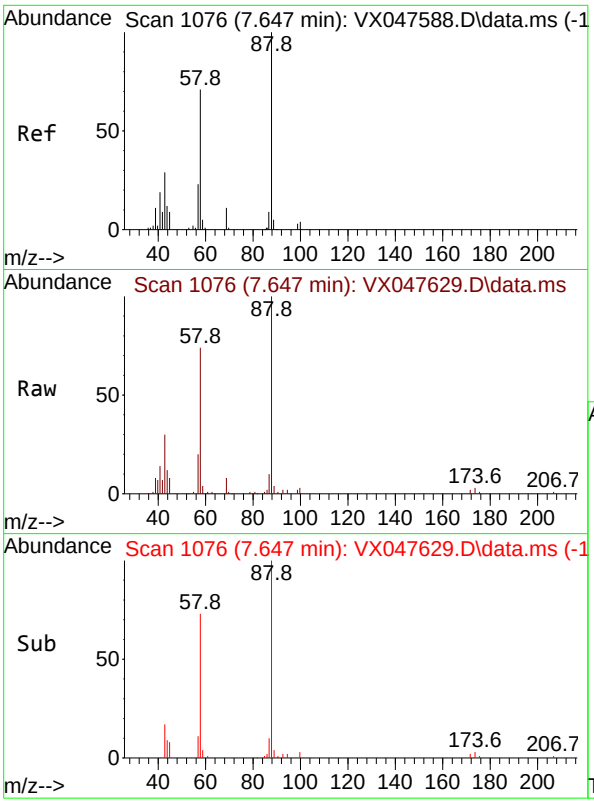


#48
Methyl methacrylate
Concen: 55.559 ug/l
RT: 7.677 min Scan# 1081
Delta R.T. -0.000 min
Lab File: VX047629.D
Acq: 17 Sep 2025 19:01

Tgt Ion: 41 Resp: 139209

Ion	Ratio	Lower	Upper
41	100		
69	77.7	61.4	92.2
39	55.7	45.8	68.6



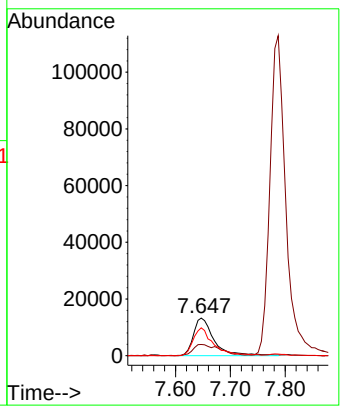


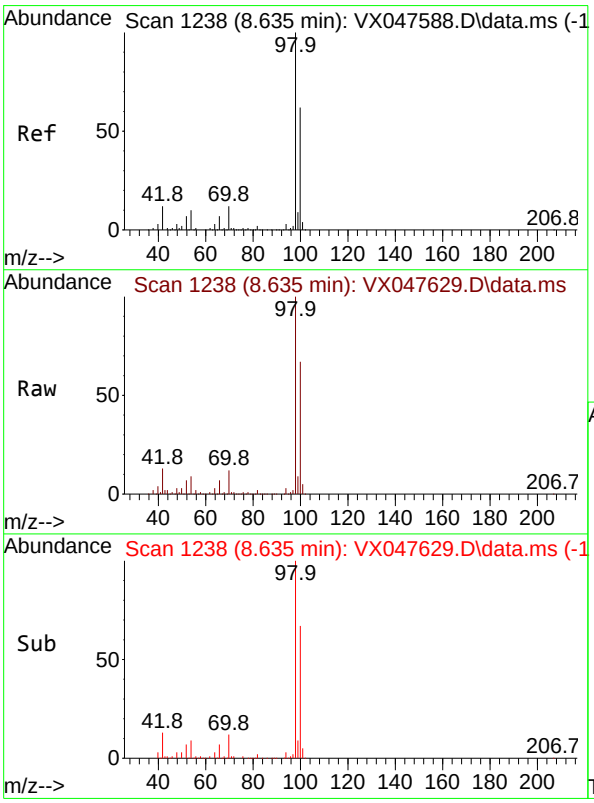
#49
1,4-Dioxane
Concen: 1368.143 ug/l
RT: 7.647 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047629.D
Acq: 17 Sep 2025 19:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 88 Resp: 34644

Ion	Ratio	Lower	Upper
88	100		
43	39.3	30.2	45.2
58	72.6	59.5	89.3

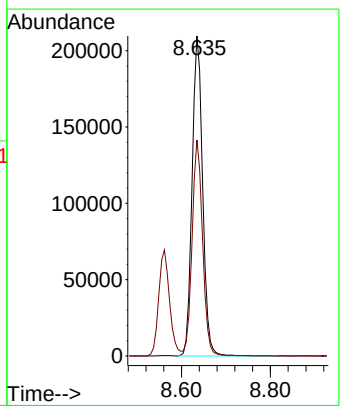


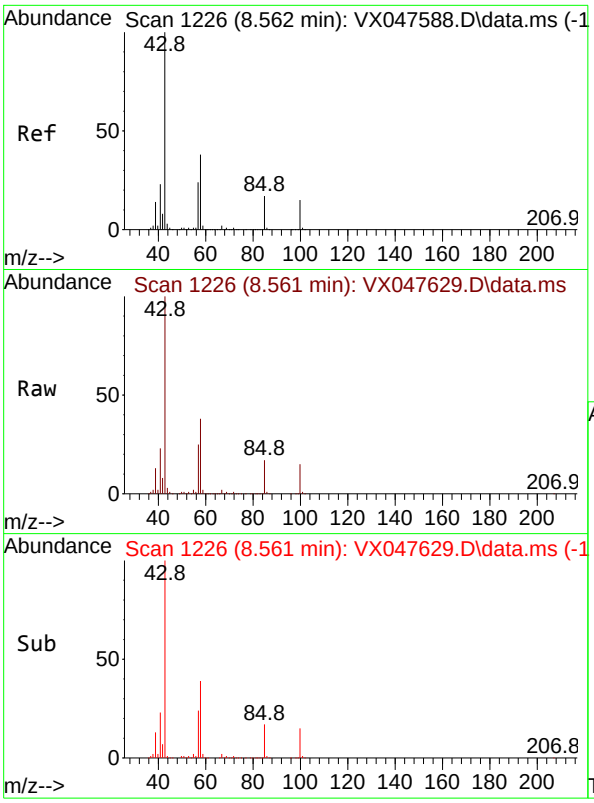


#50
Toluene-d8
Concen: 50.700 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX047629.D
Acq: 17 Sep 2025 19:01

Tgt Ion: 98 Resp: 343907

Ion	Ratio	Lower	Upper
98	100		
100	66.8	53.0	79.4



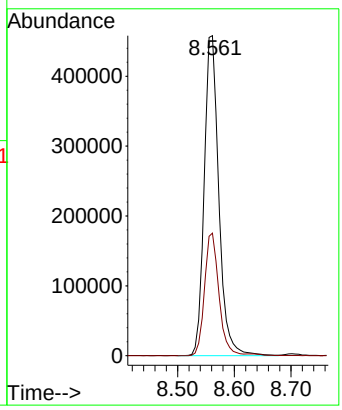


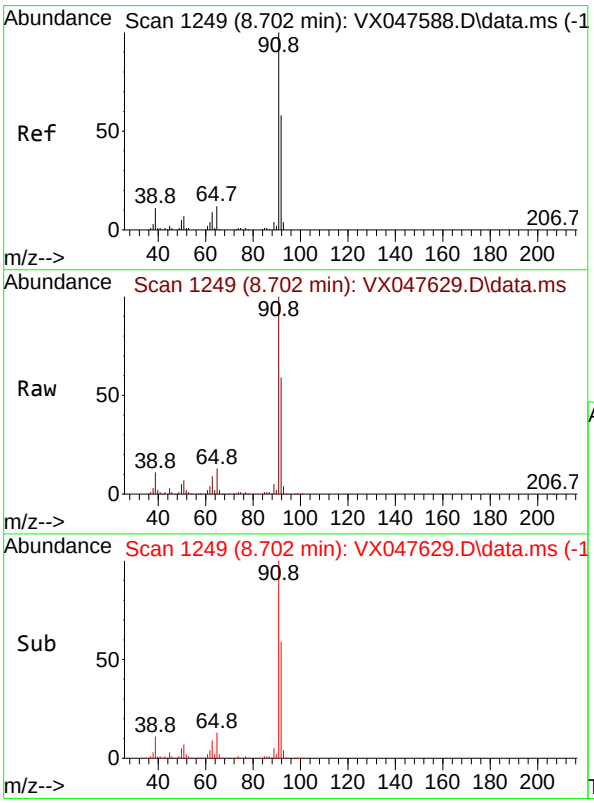
#51
4-Methyl-2-Pentanone
Concen: 293.767 ug/l
RT: 8.561 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047629.D
Acq: 17 Sep 2025 19:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 819310

Ion	Ratio	Lower	Upper
43	100		
58	37.6	30.3	45.5

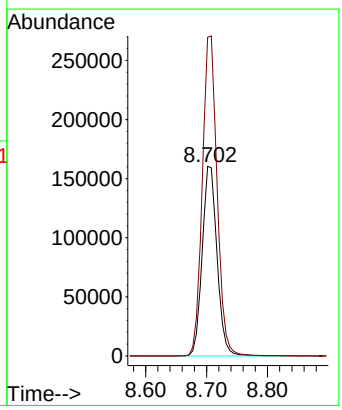


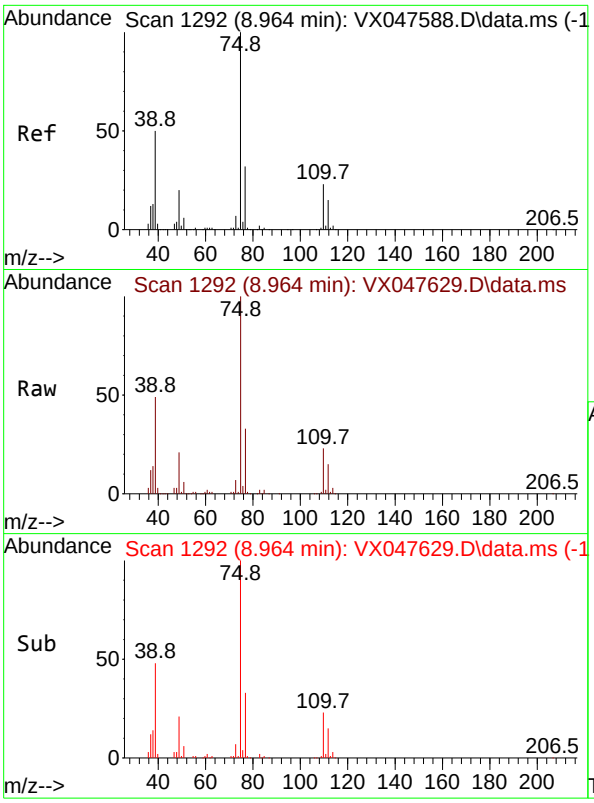


#52
Toluene
Concen: 50.647 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX047629.D
Acq: 17 Sep 2025 19:01

Tgt Ion: 92 Resp: 271480

Ion	Ratio	Lower	Upper
92	100		
91	168.6	137.1	205.7



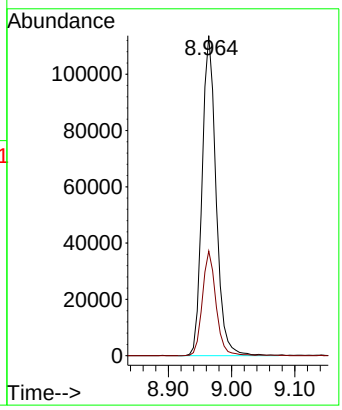


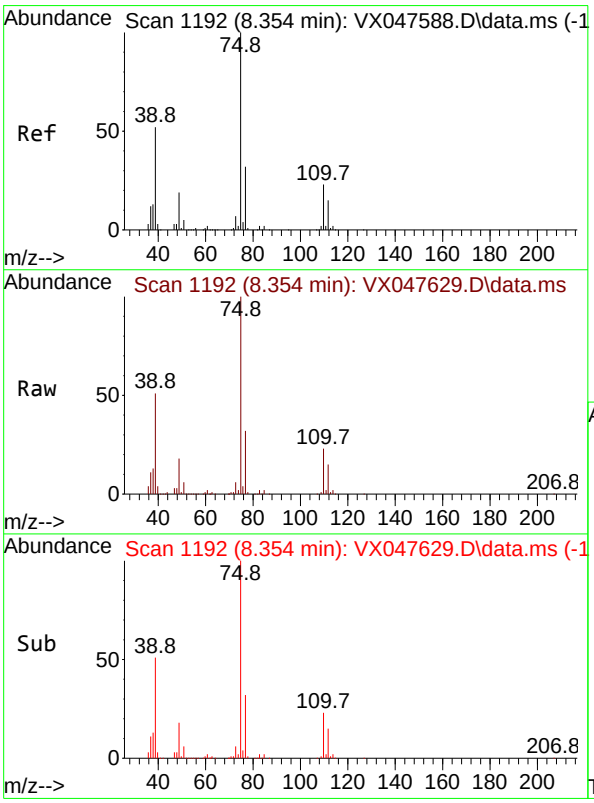
#53
t-1,3-Dichloropropene
Concen: 51.153 ug/l
RT: 8.964 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047629.D
Acq: 17 Sep 2025 19:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 174553

Ion	Ratio	Lower	Upper
75	100		
77	32.7	25.4	38.2

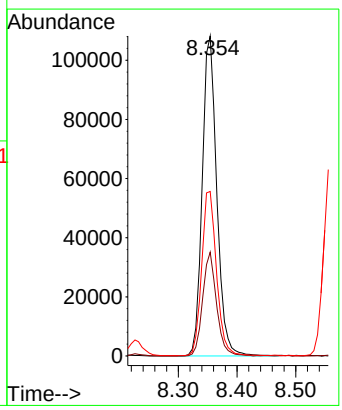


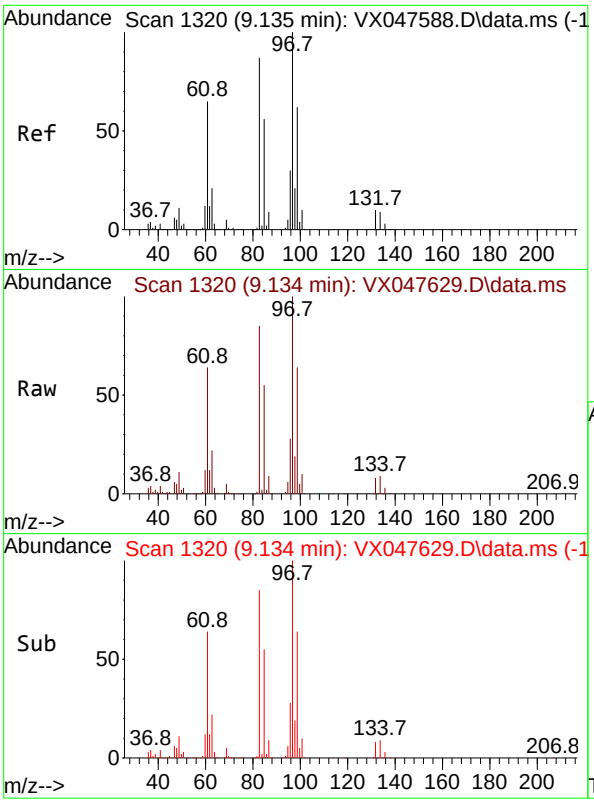


#54
cis-1,3-Dichloropropene
Concen: 51.132 ug/l
RT: 8.354 min Scan# 1192
Delta R.T. -0.000 min
Lab File: VX047629.D
Acq: 17 Sep 2025 19:01

Tgt Ion: 75 Resp: 186493

Ion	Ratio	Lower	Upper
75	100		
77	32.4	25.8	38.6
39	51.3	41.4	62.2



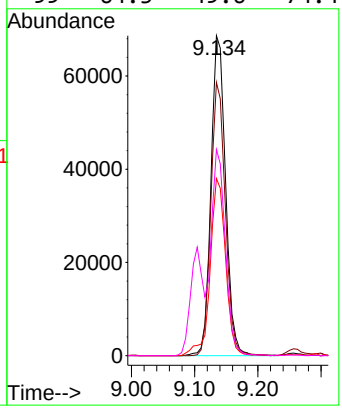


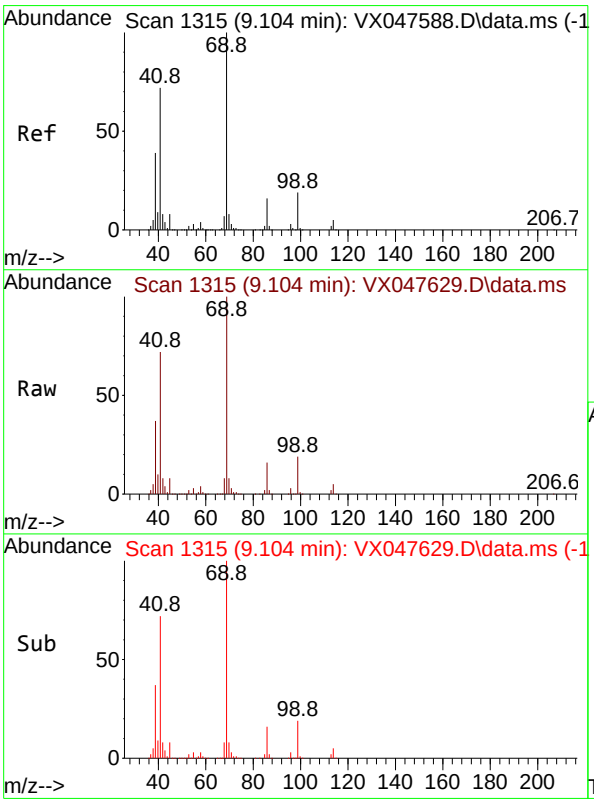
#55
1,1,2-Trichloroethane
Concen: 53.343 ug/l
RT: 9.134 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047629.D
Acq: 17 Sep 2025 19:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 97 Resp: 110254

Ion	Ratio	Lower	Upper
97	100		
83	85.4	69.6	104.4
85	55.4	45.0	67.6
99	64.3	49.6	74.4

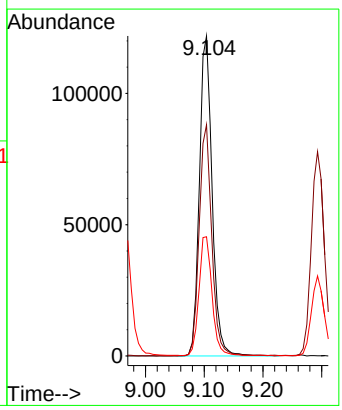


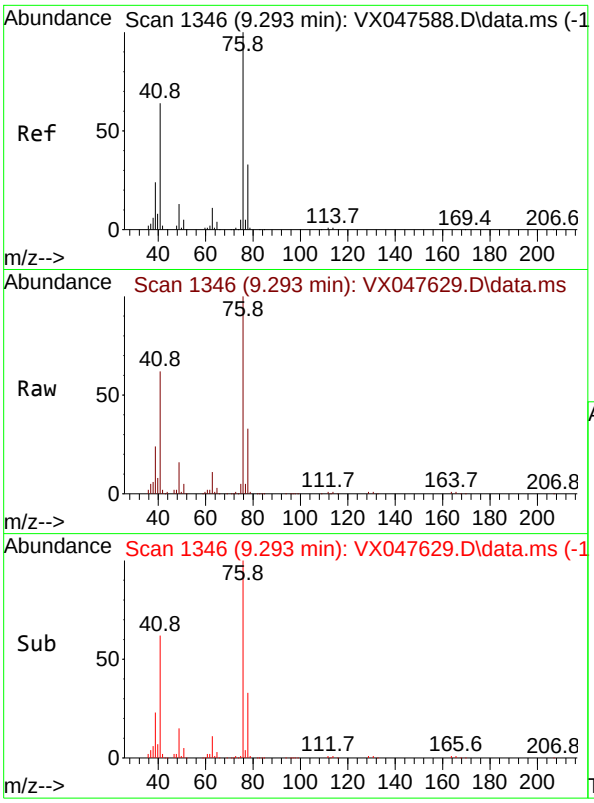


#56
Ethyl methacrylate
Concen: 56.580 ug/l
RT: 9.104 min Scan# 1315
Delta R.T. -0.000 min
Lab File: VX047629.D
Acq: 17 Sep 2025 19:01

Tgt Ion: 69 Resp: 183656

Ion	Ratio	Lower	Upper
69	100		
41	71.8	58.6	87.8
39	38.2	31.5	47.3



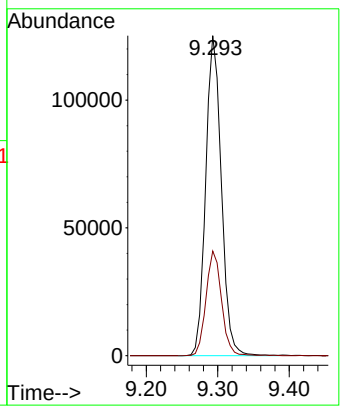


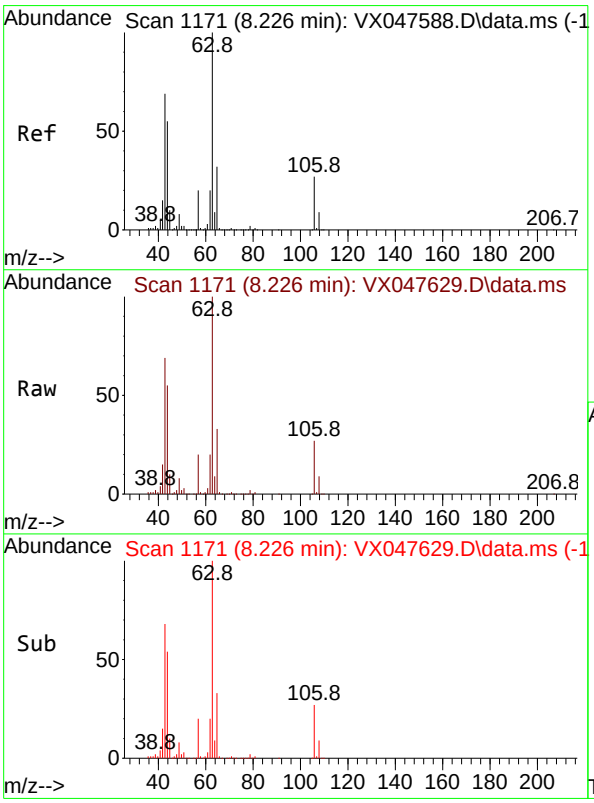
#57
1,3-Dichloropropane
Concen: 53.484 ug/l
RT: 9.293 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047629.D
Acq: 17 Sep 2025 19:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 76 Resp: 189897

Ion	Ratio	Lower	Upper
76	100		
78	32.5	26.2	39.4

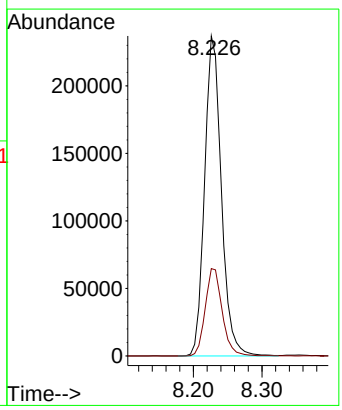


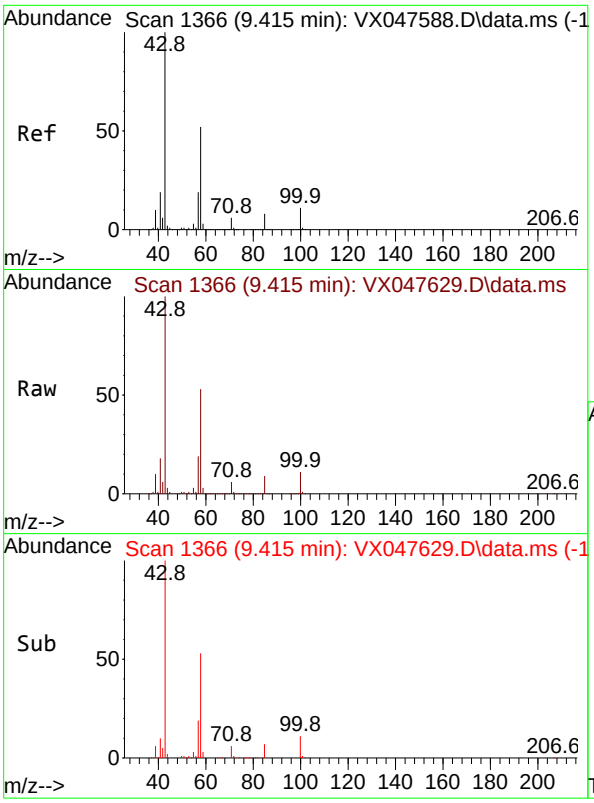


#58
2-Chloroethyl Vinyl ether
Concen: 259.768 ug/l
RT: 8.226 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VX047629.D
Acq: 17 Sep 2025 19:01

Tgt Ion: 63 Resp: 403925

Ion	Ratio	Lower	Upper
63	100		
106	27.7	21.9	32.9



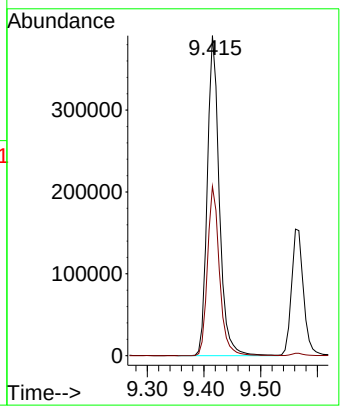


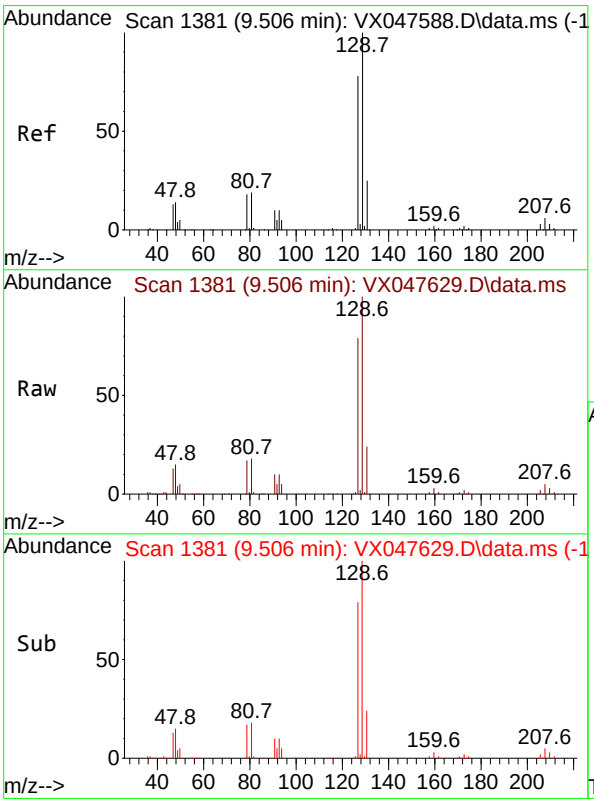
#59
2-Hexanone
Concen: 286.357 ug/l
RT: 9.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047629.D
Acq: 17 Sep 2025 19:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 573589

Ion	Ratio	Lower	Upper
43	100		
58	52.9	26.1	78.2

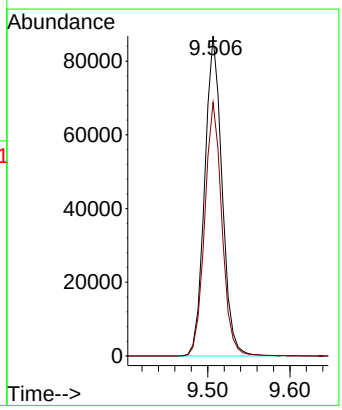


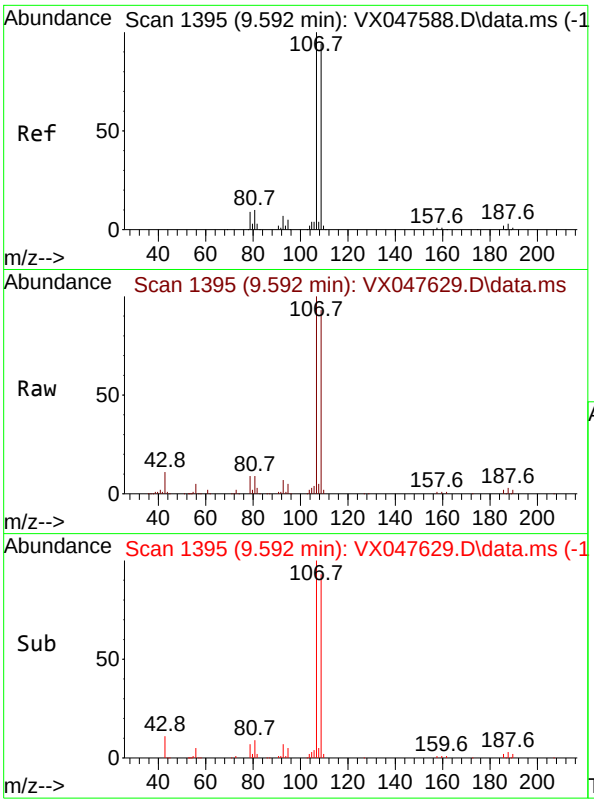


#60
Dibromochloromethane
Concen: 53.396 ug/l
RT: 9.506 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VX047629.D
Acq: 17 Sep 2025 19:01

Tgt Ion:129 Resp: 127163

Ion	Ratio	Lower	Upper
129	100		
127	78.5	38.4	115.2



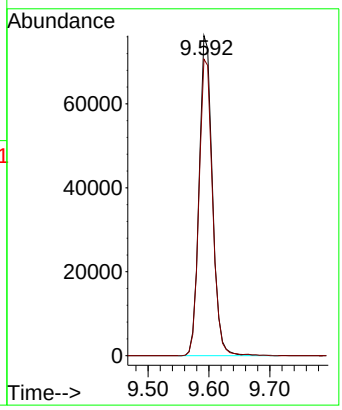


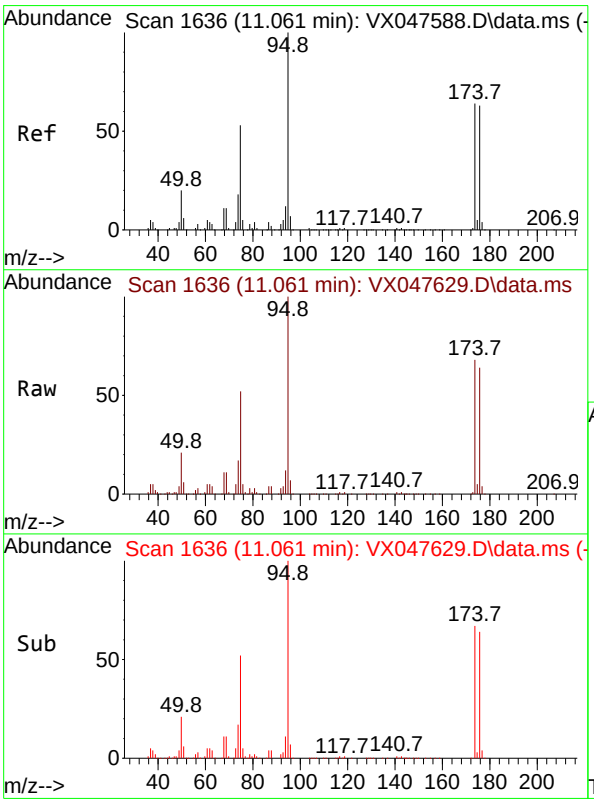
#61
1,2-Dibromoethane
Concen: 54.651 ug/l
RT: 9.592 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047629.D
Acq: 17 Sep 2025 19:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:107 Resp: 115052

Ion	Ratio	Lower	Upper
107	100		
109	95.0	75.3	112.9

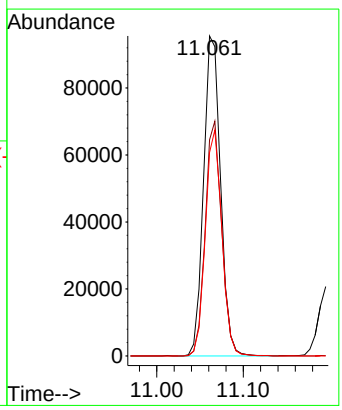


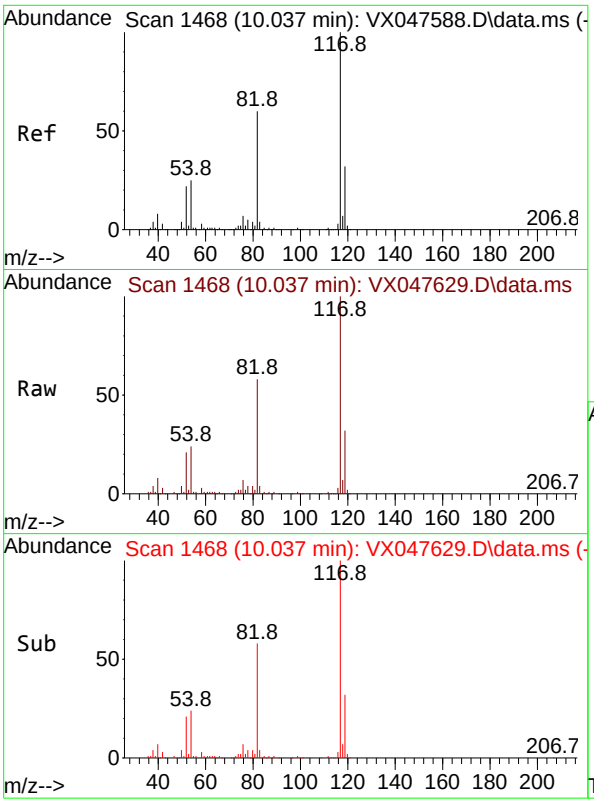


#62
4-Bromofluorobenzene
Concen: 50.473 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX047629.D
Acq: 17 Sep 2025 19:01

Tgt Ion: 95 Resp: 129935

Ion	Ratio	Lower	Upper
95	100		
174	71.4	0.0	141.6
176	69.0	0.0	138.4



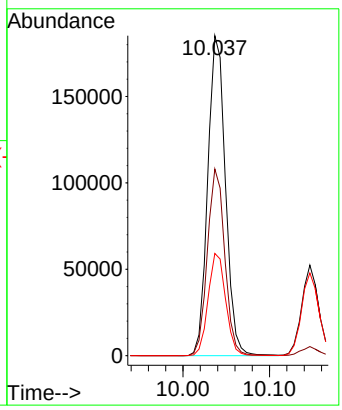


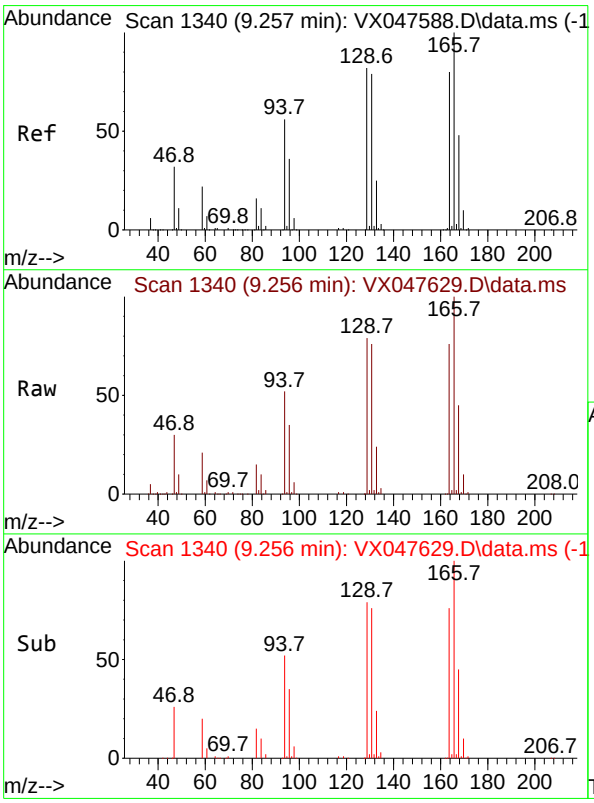
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047629.D
Acq: 17 Sep 2025 19:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:117 Resp: 262366

Ion	Ratio	Lower	Upper
117	100		
82	58.4	47.8	71.6
119	32.0	25.2	37.8

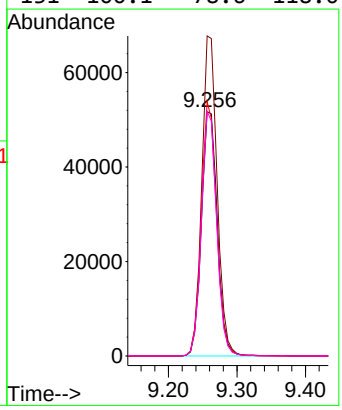


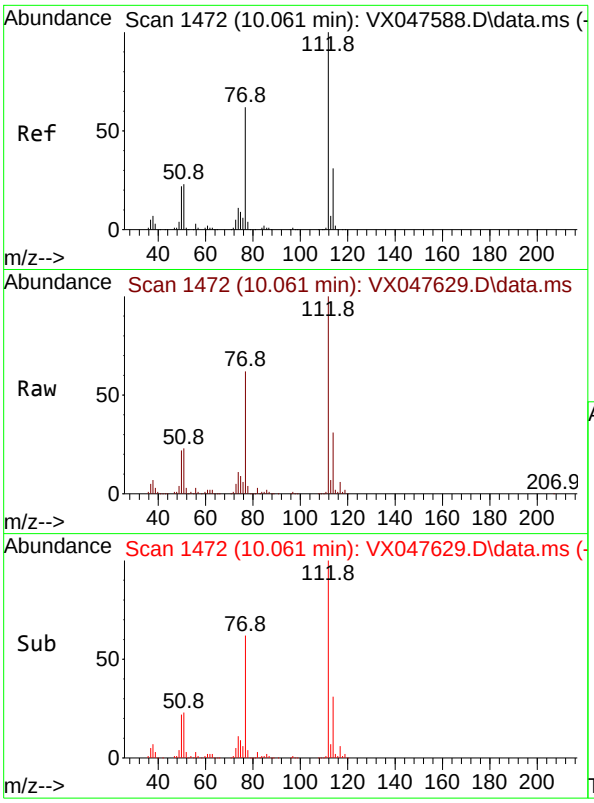


#64
Tetrachloroethene
Concen: 48.615 ug/l
RT: 9.256 min Scan# 1340
Delta R.T. -0.000 min
Lab File: VX047629.D
Acq: 17 Sep 2025 19:01

Tgt Ion:164 Resp: 83148

Ion	Ratio	Lower	Upper
164	100		
166	131.0	100.2	150.2
129	104.0	81.8	122.6
131	100.1	78.6	118.0



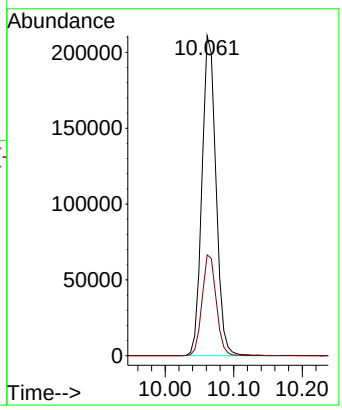


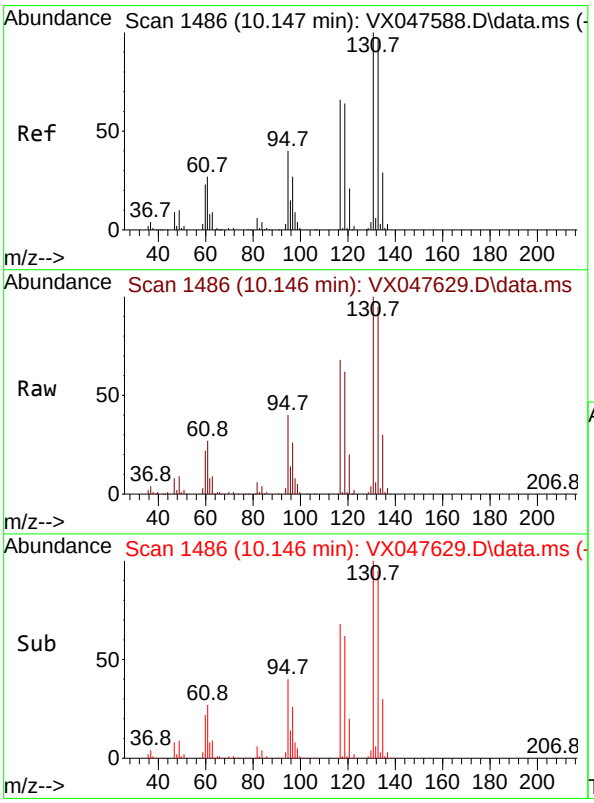
#65
Chlorobenzene
Concen: 50.542 ug/l
RT: 10.061 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047629.D
Acq: 17 Sep 2025 19:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:112 Resp: 301252

Ion	Ratio	Lower	Upper
112	100		
114	31.5	25.1	37.7

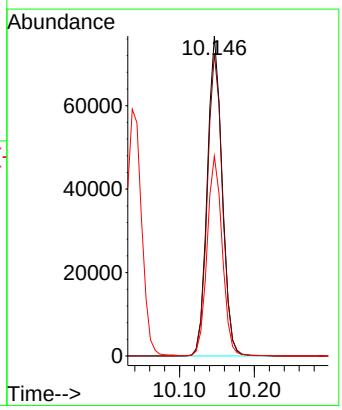


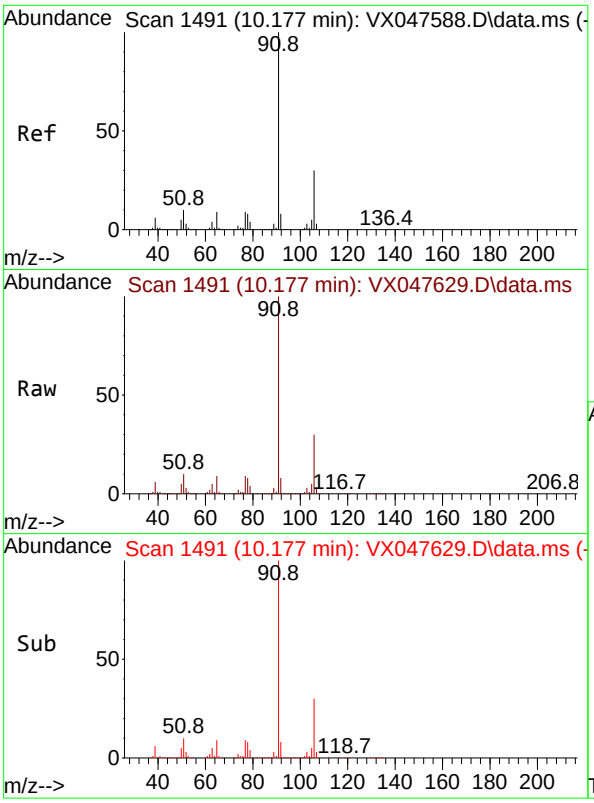


#66
1,1,1,2-Tetrachloroethane
Concen: 51.489 ug/l
RT: 10.146 min Scan# 1486
Delta R.T. -0.000 min
Lab File: VX047629.D
Acq: 17 Sep 2025 19:01

Tgt Ion:131 Resp: 105903

Ion	Ratio	Lower	Upper
131	100		
133	95.7	47.3	142.0
119	63.5	32.0	96.0



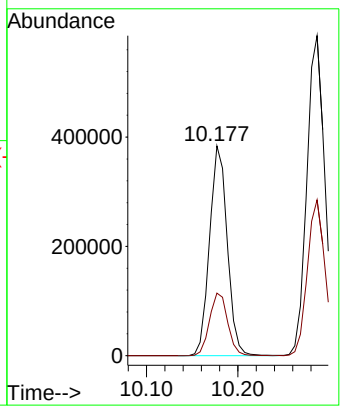


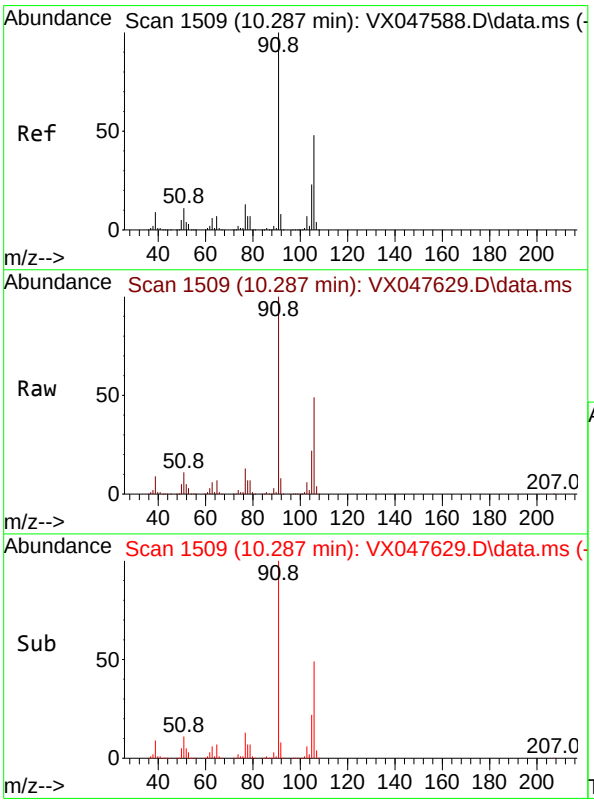
#67
Ethyl Benzene
Concen: 50.124 ug/l
RT: 10.177 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047629.D
Acq: 17 Sep 2025 19:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 515487

Ion	Ratio	Lower	Upper
91	100		
106	29.9	24.3	36.5

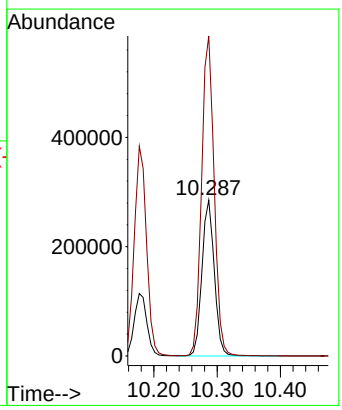


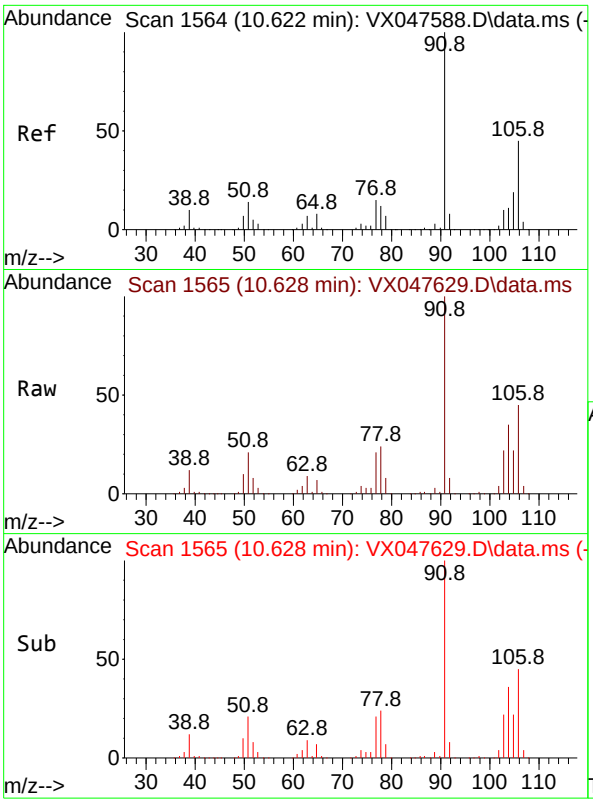


#68
m/p-Xylenes
Concen: 101.396 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VX047629.D
Acq: 17 Sep 2025 19:01

Tgt Ion:106 Resp: 388133

Ion	Ratio	Lower	Upper
106	100		
91	208.7	167.8	251.8



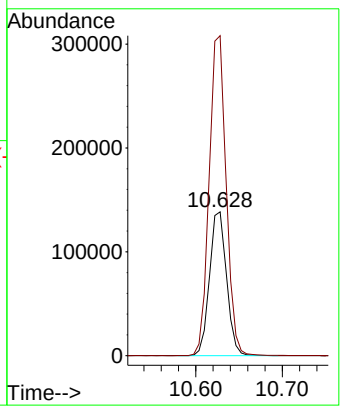


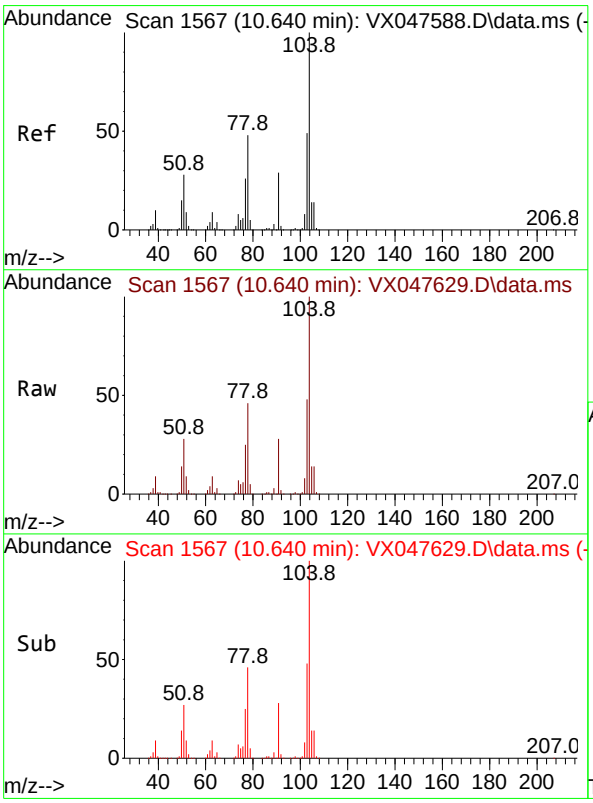
#69
o-Xylene
Concen: 51.181 ug/l
RT: 10.628 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047629.D
Acq: 17 Sep 2025 19:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:106 Resp: 189496

Ion	Ratio	Lower	Upper
106	100		
91	222.2	111.1	333.4

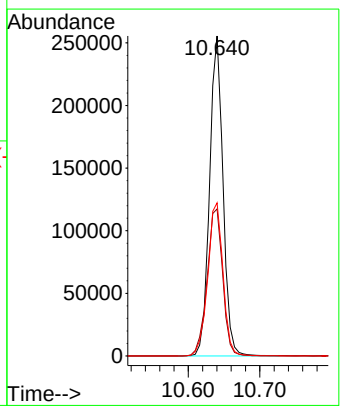


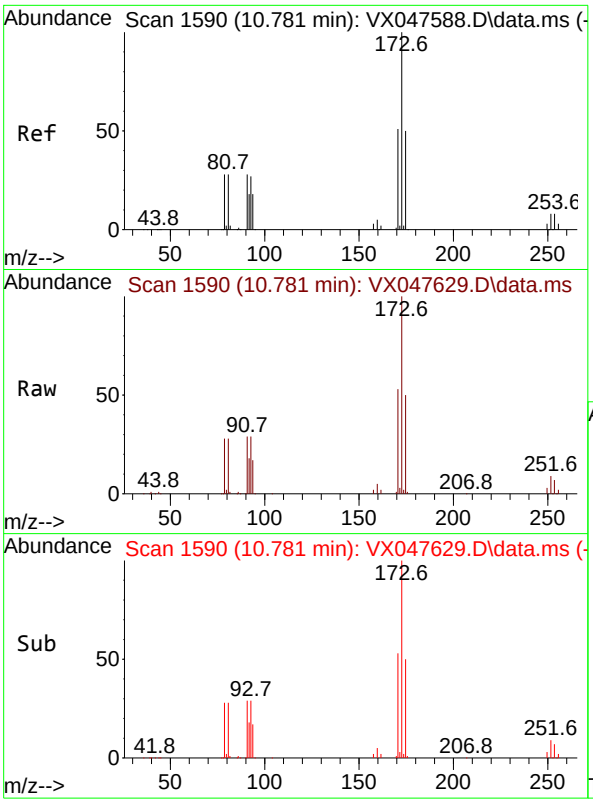


#70
Styrene
Concen: 51.401 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX047629.D
Acq: 17 Sep 2025 19:01

Tgt Ion:104 Resp: 333465

Ion	Ratio	Lower	Upper
104	100		
78	53.2	43.1	64.7
103	54.2	43.1	64.7



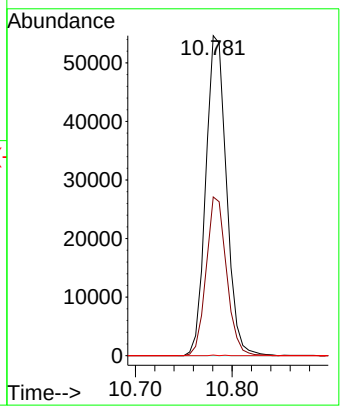


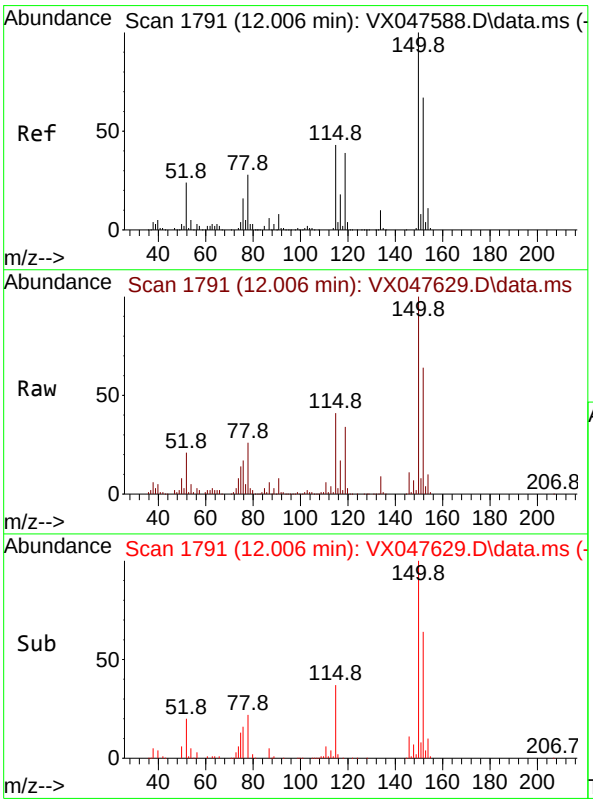
#71
Bromoform
Concen: 52.869 ug/l
RT: 10.781 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047629.D
Acq: 17 Sep 2025 19:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:173 Resp: 81195

Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.9	74.6
254	0.1	0.1	0.1

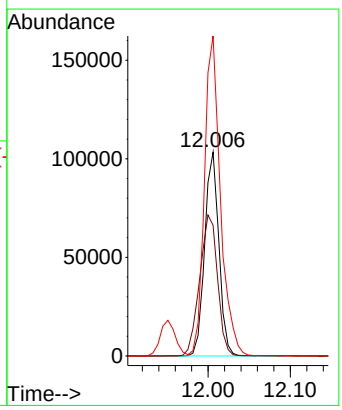


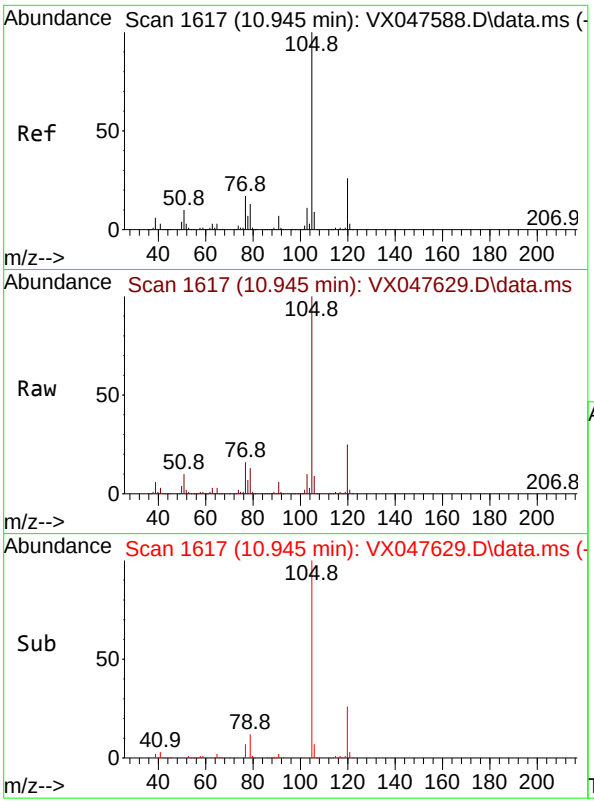


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047629.D
Acq: 17 Sep 2025 19:01

Tgt Ion:152 Resp: 123899

Ion	Ratio	Lower	Upper
152	100		
115	87.1	44.9	134.5
150	177.5	0.0	352.0



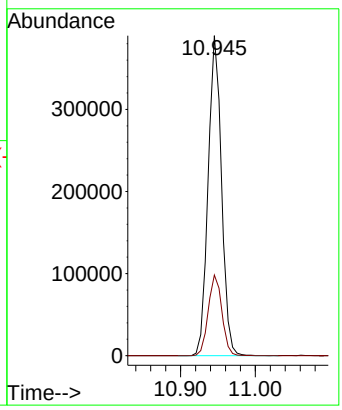


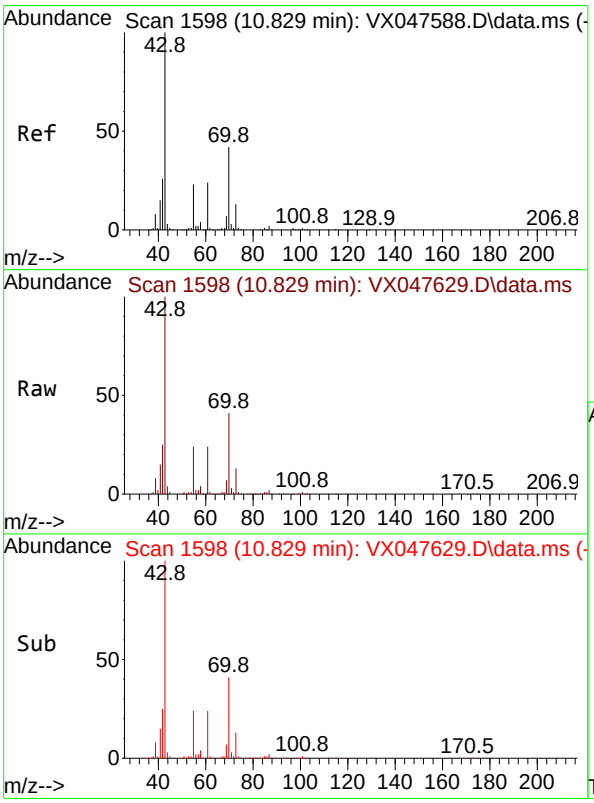
#73
Isopropylbenzene
Concen: 51.323 ug/l
RT: 10.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047629.D
Acq: 17 Sep 2025 19:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:105 Resp: 483439

Ion	Ratio	Lower	Upper
105	100		
120	25.8	12.8	38.4

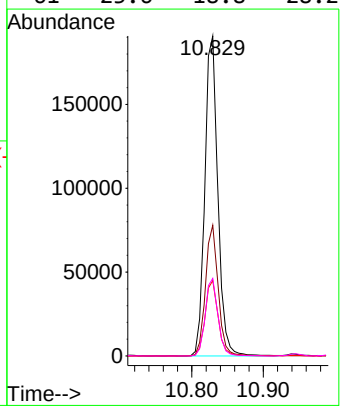


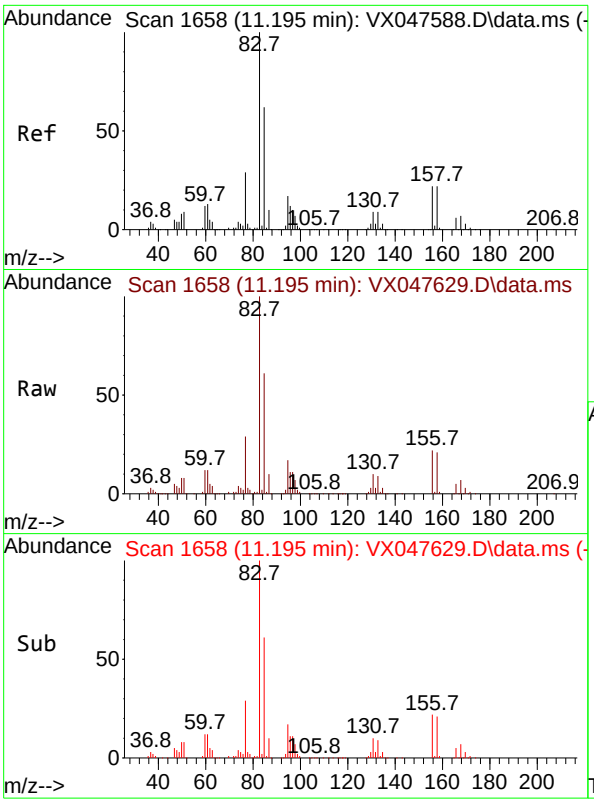


#74
N-amyl acetate
Concen: 56.259 ug/l
RT: 10.829 min Scan# 1598
Delta R.T. -0.000 min
Lab File: VX047629.D
Acq: 17 Sep 2025 19:01

Tgt Ion: 43 Resp: 241658

Ion	Ratio	Lower	Upper
43	100		
70	40.0	32.0	48.0
55	23.7	18.9	28.3
61	23.6	18.8	28.2



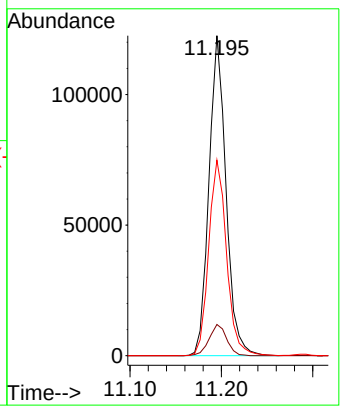


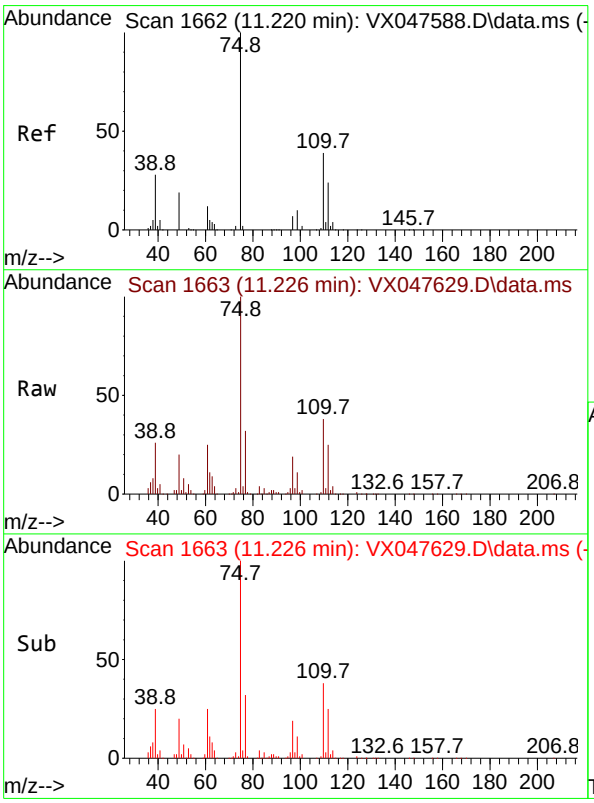
#75
1,1,2,2-Tetrachloroethane
Concen: 55.582 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047629.D
Acq: 17 Sep 2025 19:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 158402

Ion	Ratio	Lower	Upper
83	100		
131	10.0	5.0	14.9
85	64.1	31.6	95.0

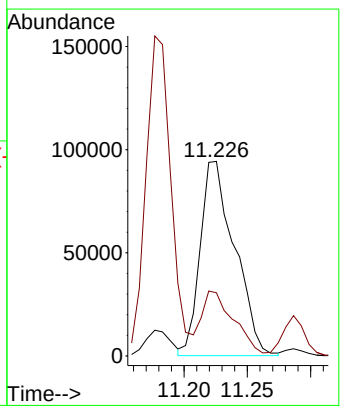


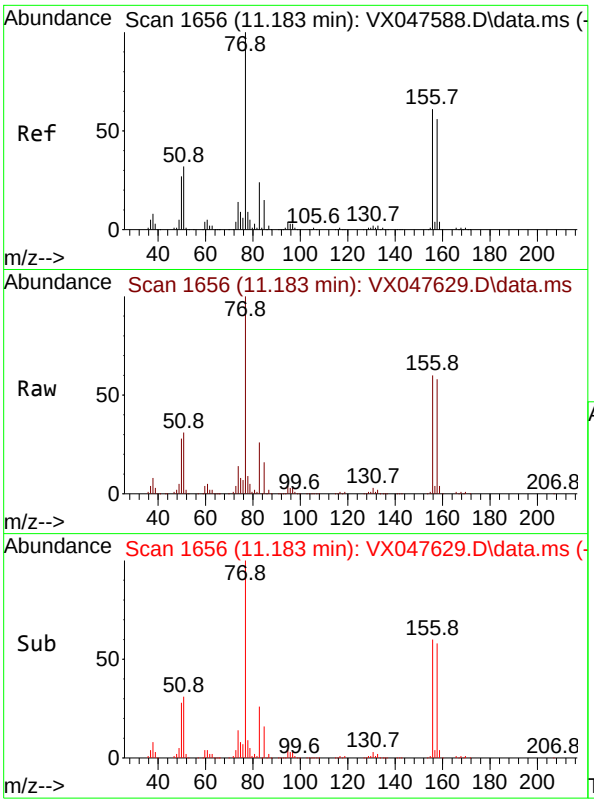


#76
1,2,3-Trichloropropane
Concen: 71.455 ug/l
RT: 11.226 min Scan# 1663
Delta R.T. 0.006 min
Lab File: VX047629.D
Acq: 17 Sep 2025 19:01

Tgt Ion: 75 Resp: 179250

Ion	Ratio	Lower	Upper
75	100		
77	30.7	18.8	56.4



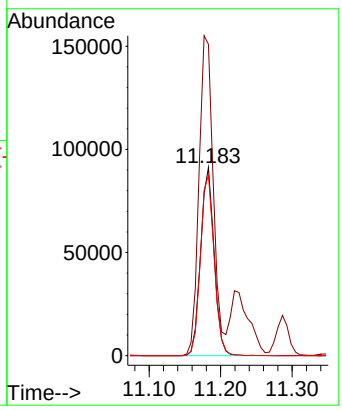


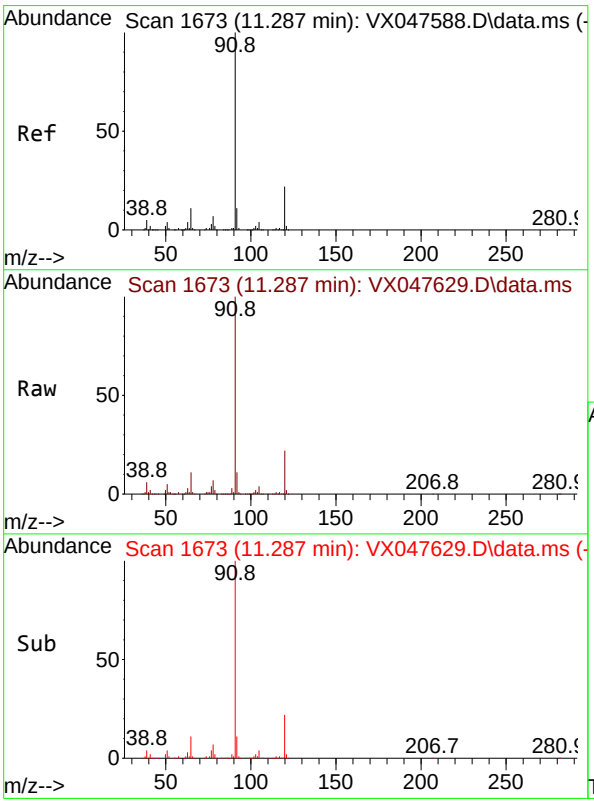
#77
Bromobenzene
Concen: 51.691 ug/l
RT: 11.183 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047629.D
Acq: 17 Sep 2025 19:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:156 Resp: 119923

Ion	Ratio	Lower	Upper
156	100		
77	180.0	89.7	269.1
158	97.5	47.9	143.6

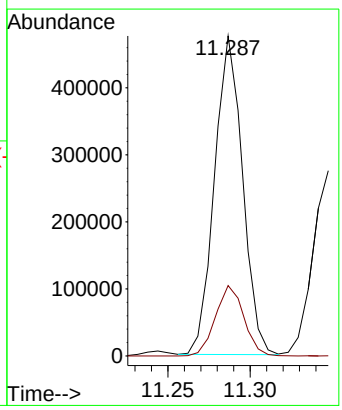


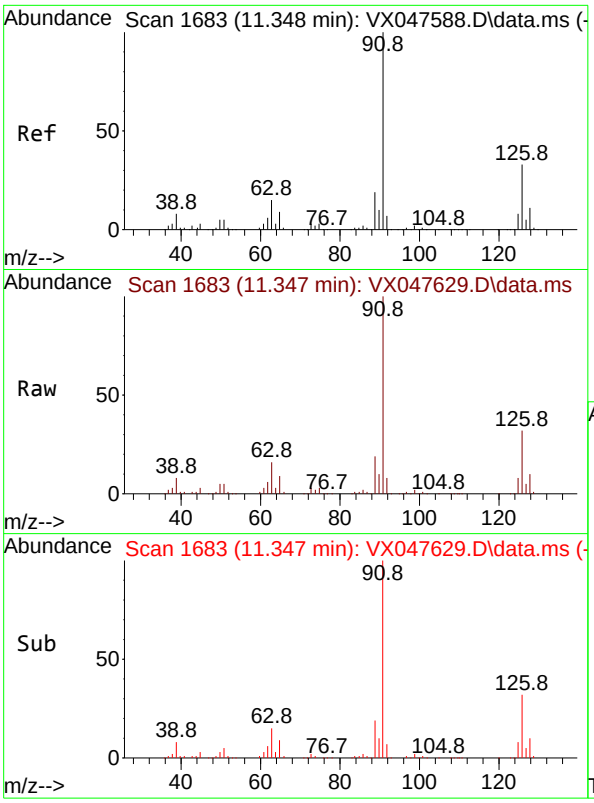


#78
n-propylbenzene
Concen: 50.641 ug/l
RT: 11.287 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX047629.D
Acq: 17 Sep 2025 19:01

Tgt Ion: 91 Resp: 563896

Ion	Ratio	Lower	Upper
91	100		
120	22.4	11.1	33.1



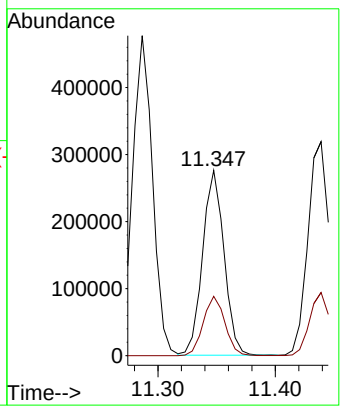


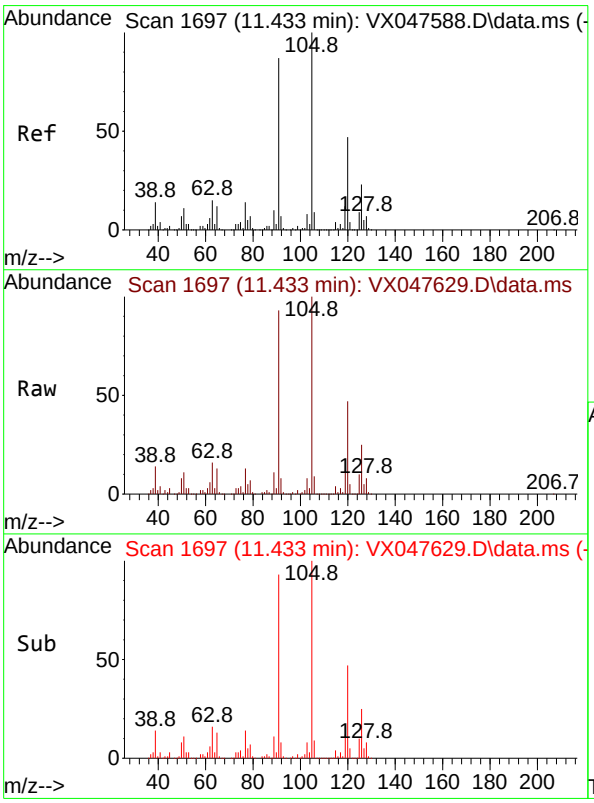
#79
2-Chlorotoluene
Concen: 51.169 ug/l
RT: 11.347 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047629.D
Acq: 17 Sep 2025 19:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 348974

Ion	Ratio	Lower	Upper
91	100		
126	32.5	16.1	48.3

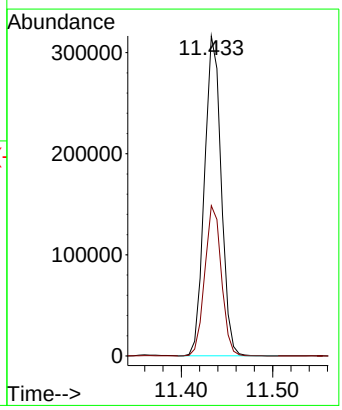


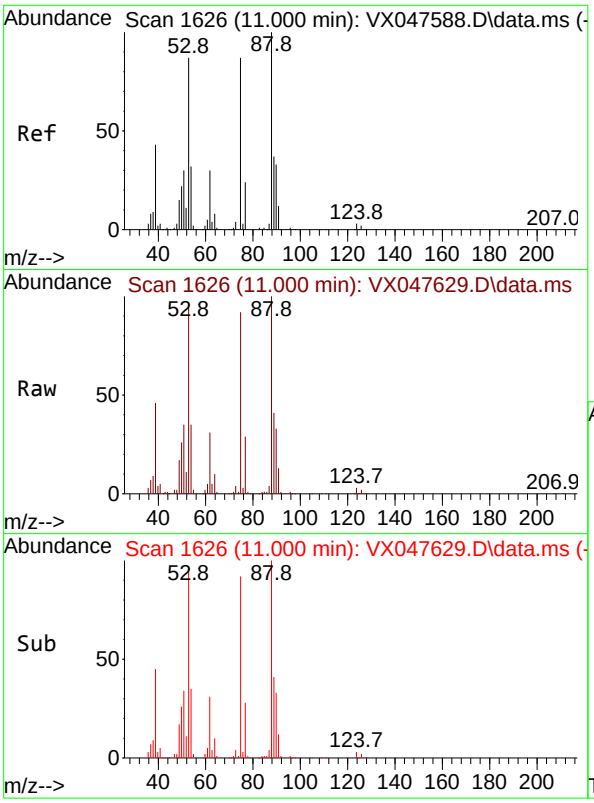


#80
1,3,5-Trimethylbenzene
Concen: 51.682 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX047629.D
Acq: 17 Sep 2025 19:01

Tgt Ion:105 Resp: 399966

Ion	Ratio	Lower	Upper
105	100		
120	46.8	23.6	70.8



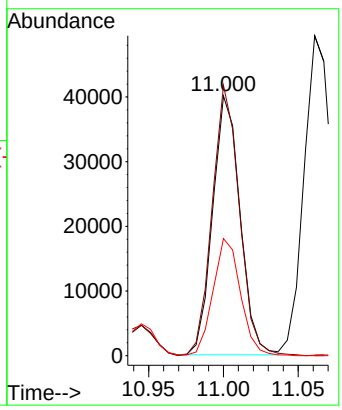


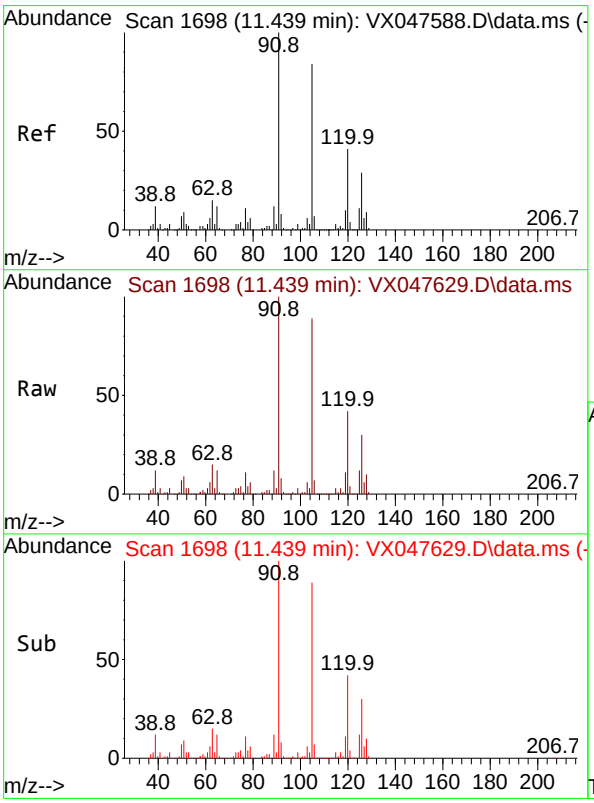
#81
trans-1,4-Dichloro-2-butene
Concen: 51.857 ug/l
RT: 11.000 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047629.D
Acq: 17 Sep 2025 19:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 51012

Ion	Ratio	Lower	Upper
75	100		
53	103.6	83.4	125.2
89	45.4	36.3	54.5

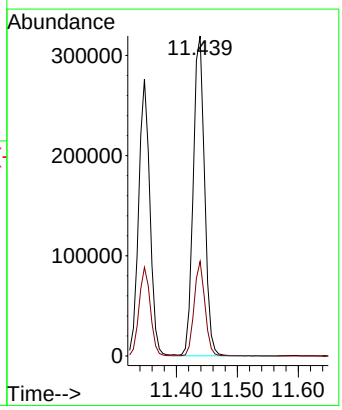


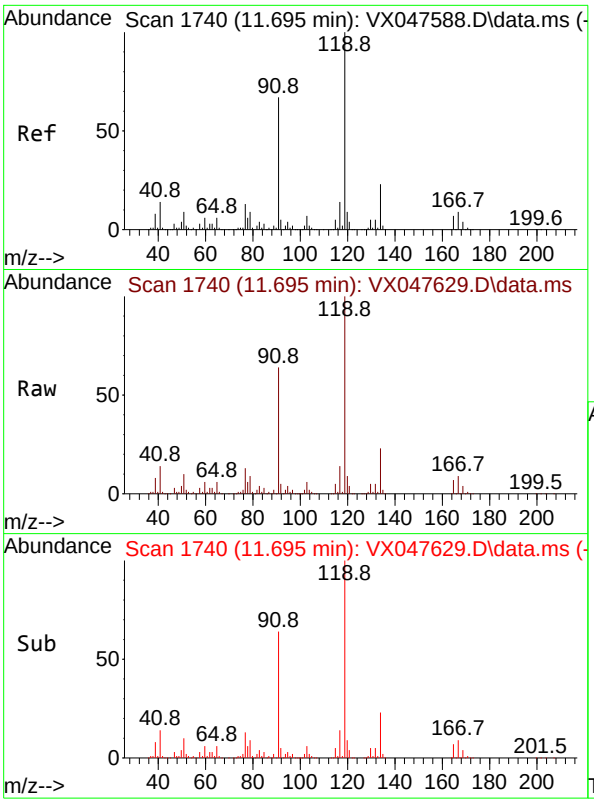


#82
4-Chlorotoluene
Concen: 51.230 ug/l
RT: 11.439 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VX047629.D
Acq: 17 Sep 2025 19:01

Tgt Ion: 91 Resp: 412649

Ion	Ratio	Lower	Upper
91	100		
126	28.2	14.2	42.6



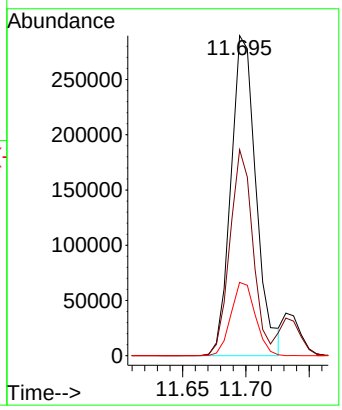


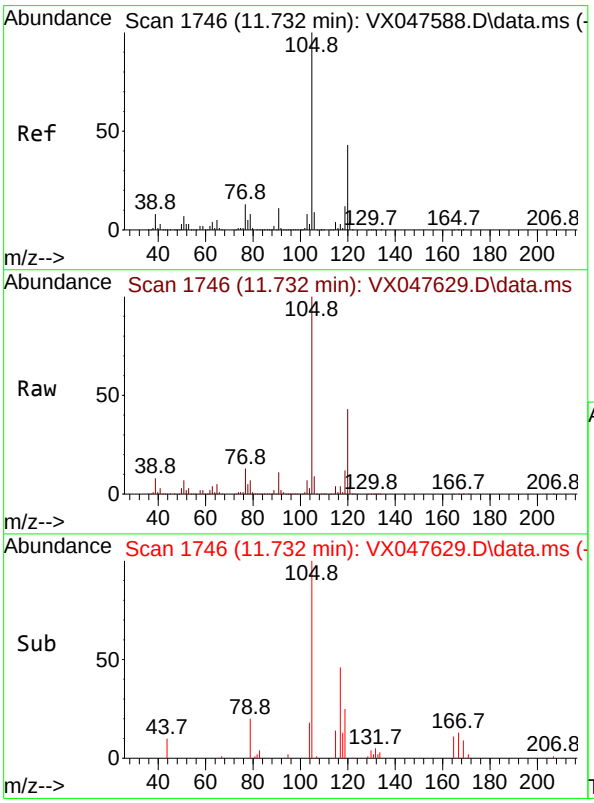
#83
tert-Butylbenzene
Concen: 50.716 ug/l
RT: 11.695 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047629.D
Acq: 17 Sep 2025 19:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:119 Resp: 401787

Ion	Ratio	Lower	Upper
119	100		
91	58.7	29.6	88.8
134	22.2	11.0	33.0

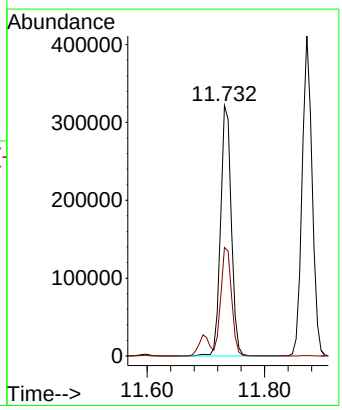


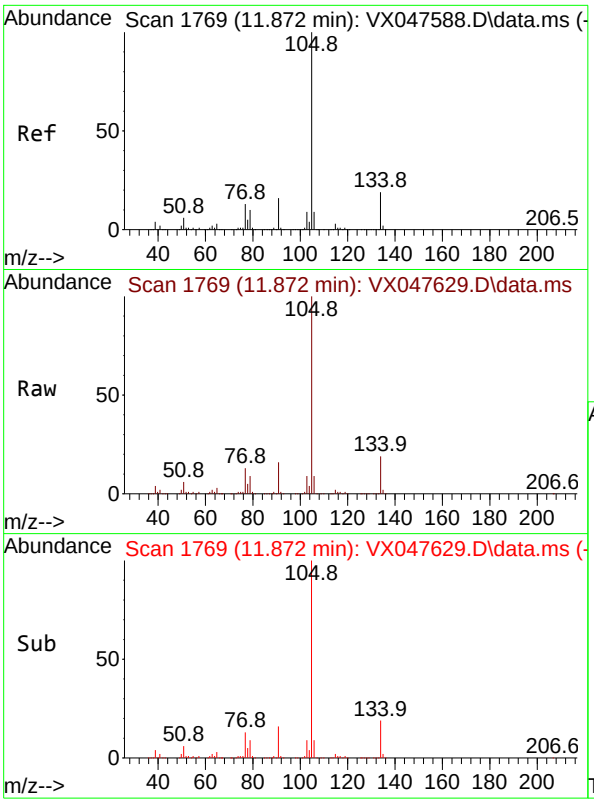


#84
1,2,4-Trimethylbenzene
Concen: 51.891 ug/l
RT: 11.732 min Scan# 1746
Delta R.T. -0.000 min
Lab File: VX047629.D
Acq: 17 Sep 2025 19:01

Tgt Ion:105 Resp: 407143

Ion	Ratio	Lower	Upper
105	100		
120	43.4	22.1	66.1



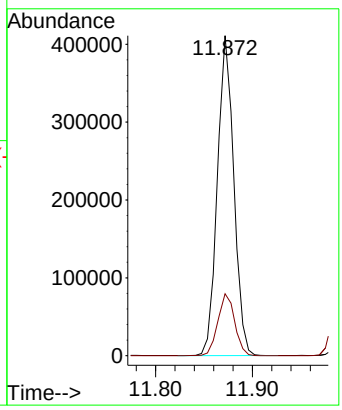


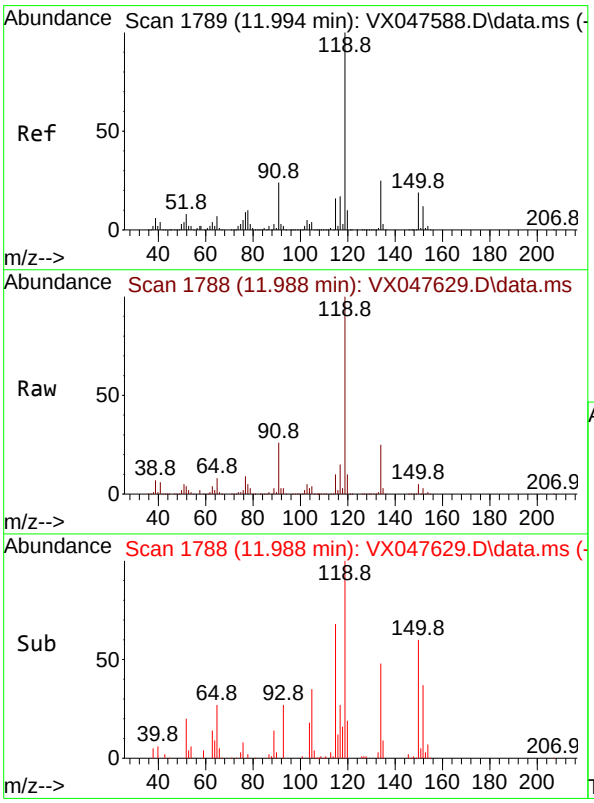
#85
sec-Butylbenzene
Concen: 51.394 ug/l
RT: 11.872 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047629.D
Acq: 17 Sep 2025 19:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:105 Resp: 483624

Ion	Ratio	Lower	Upper
105	100		
134	19.9	9.8	29.5

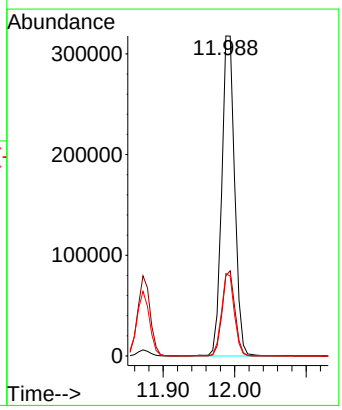


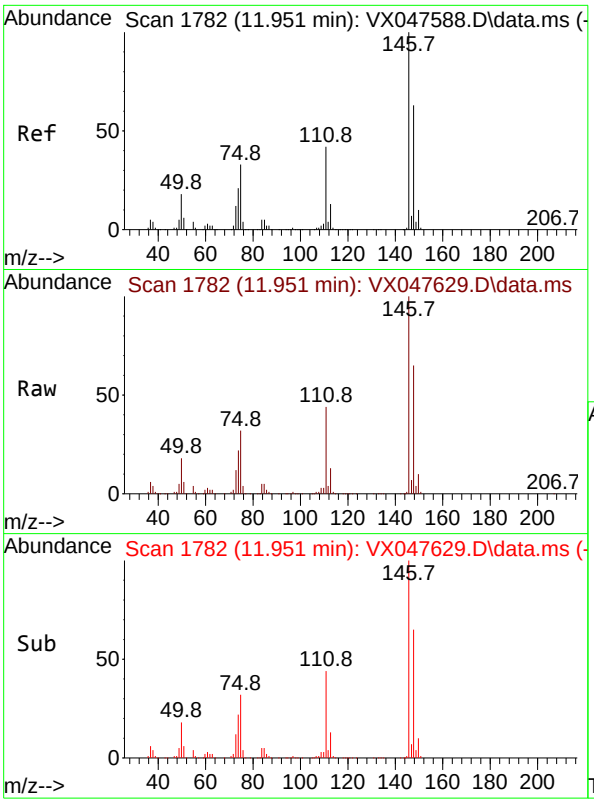


#86
p-Isopropyltoluene
Concen: 50.196 ug/l
RT: 11.988 min Scan# 1788
Delta R.T. -0.006 min
Lab File: VX047629.D
Acq: 17 Sep 2025 19:01

Tgt Ion:119 Resp: 399889

Ion	Ratio	Lower	Upper
119	100		
134	26.0	12.6	37.8
91	25.4	12.6	37.6



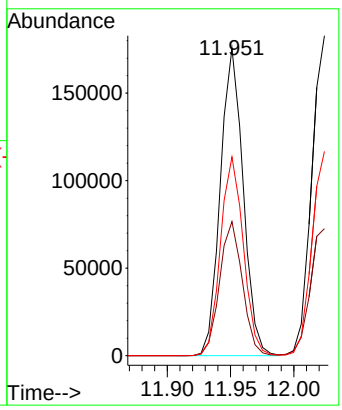


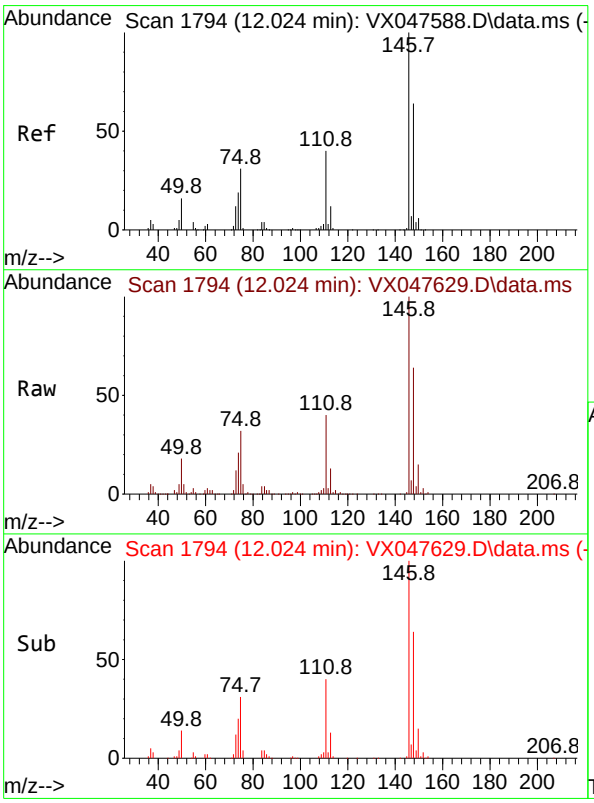
#87
1,3-Dichlorobenzene
Concen: 51.097 ug/l
RT: 11.951 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047629.D
Acq: 17 Sep 2025 19:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:146 Resp: 220186

Ion	Ratio	Lower	Upper
146	100		
111	43.6	21.5	64.5
148	64.8	32.0	96.0

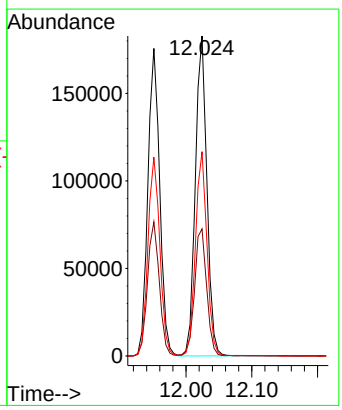


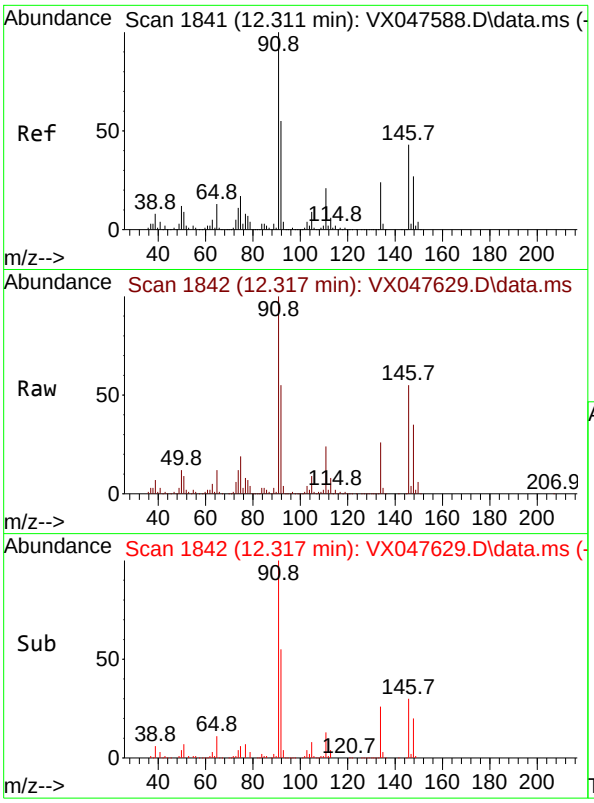


#88
1,4-Dichlorobenzene
Concen: 50.527 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX047629.D
Acq: 17 Sep 2025 19:01

Tgt Ion:146 Resp: 223463

Ion	Ratio	Lower	Upper
146	100		
111	41.6	20.8	62.4
148	63.6	31.7	95.1



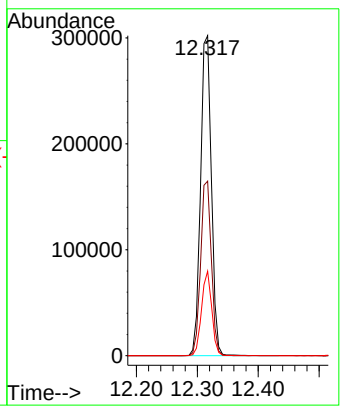


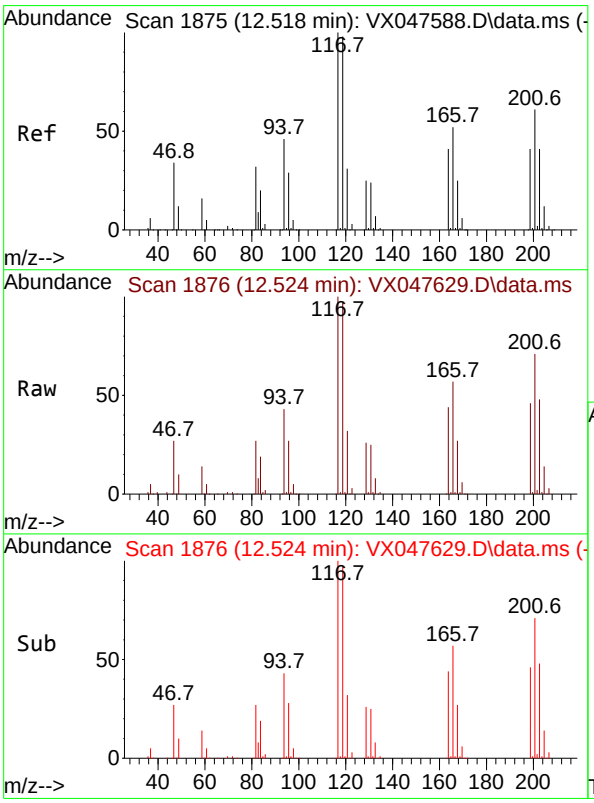
#89
n-Butylbenzene
Concen: 50.449 ug/l
RT: 12.317 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047629.D
Acq: 17 Sep 2025 19:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 371883

Ion	Ratio	Lower	Upper
91	100		
92	54.2	27.6	82.7
134	24.9	12.6	37.8

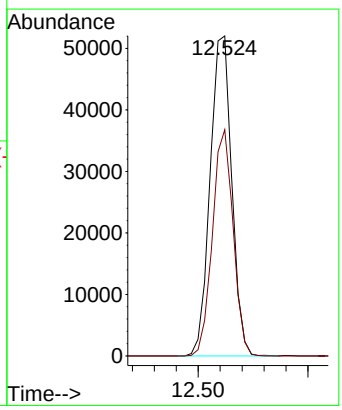


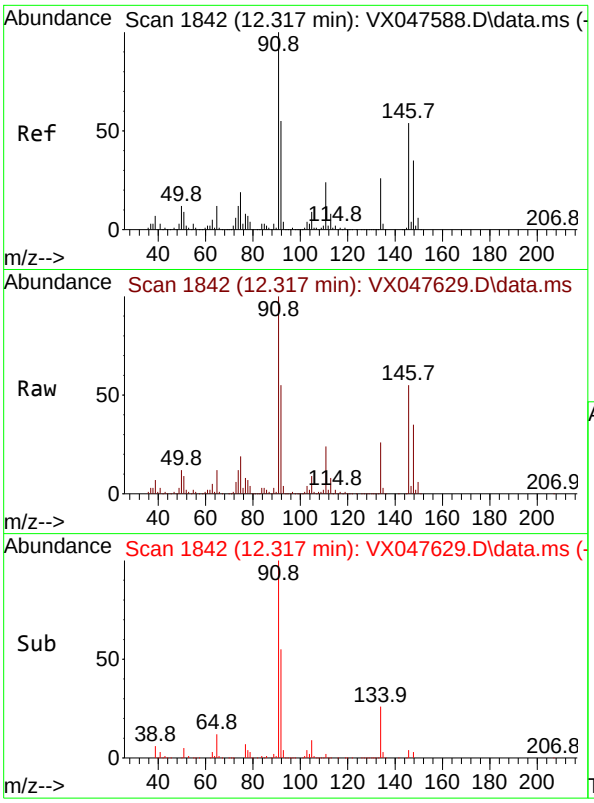


#90
Hexachloroethane
Concen: 50.939 ug/l
RT: 12.524 min Scan# 1876
Delta R.T. 0.006 min
Lab File: VX047629.D
Acq: 17 Sep 2025 19:01

Tgt Ion:117 Resp: 71248

Ion	Ratio	Lower	Upper
117	100		
201	67.6	34.2	102.5



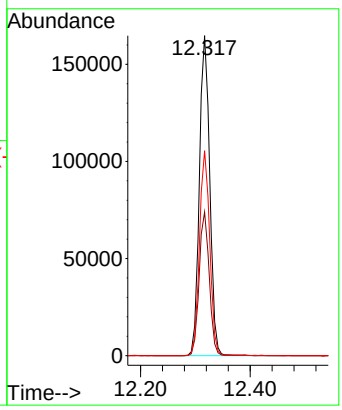


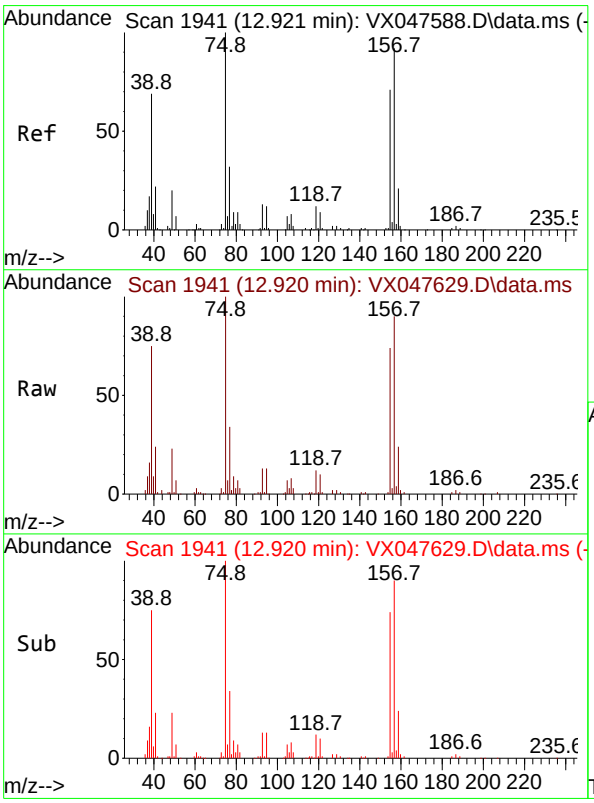
#91
1,2-Dichlorobenzene
Concen: 52.758 ug/l
RT: 12.317 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047629.D
Acq: 17 Sep 2025 19:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:146 Resp: 216591

Ion	Ratio	Lower	Upper
146	100		
111	43.8	22.2	66.6
148	63.3	31.8	95.4

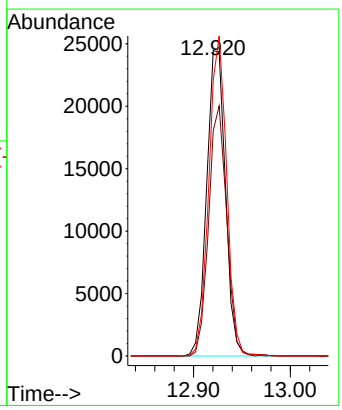


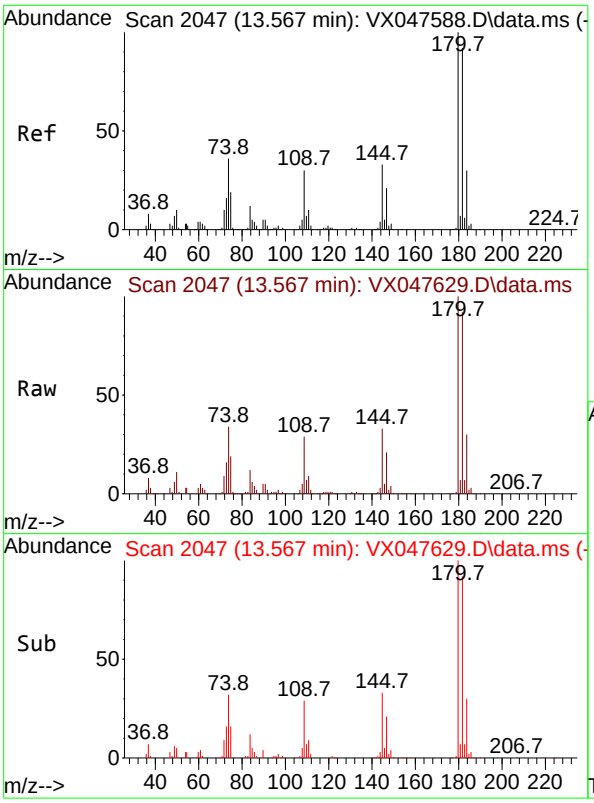


#92
1,2-Dibromo-3-Chloropropane
Concen: 57.378 ug/l
RT: 12.920 min Scan# 1941
Delta R.T. -0.000 min
Lab File: VX047629.D
Acq: 17 Sep 2025 19:01

Tgt Ion: 75 Resp: 33107

Ion	Ratio	Lower	Upper
75	100		
155	78.1	37.7	113.1
157	99.0	49.8	149.4



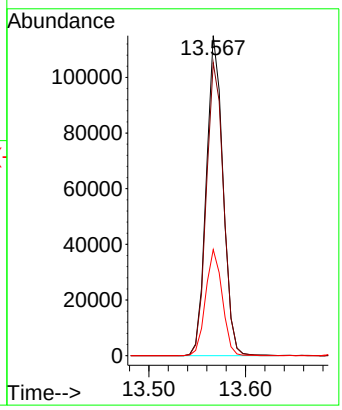


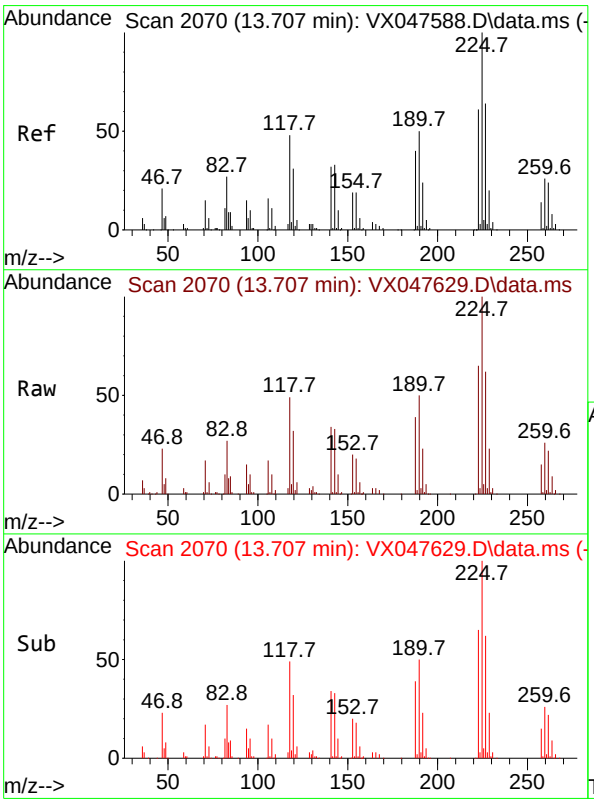
#93
1,2,4-Trichlorobenzene
Concen: 51.581 ug/l
RT: 13.567 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047629.D
Acq: 17 Sep 2025 19:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:180 Resp: 137625

Ion	Ratio	Lower	Upper
180	100		
182	94.5	46.6	139.8
145	33.1	16.4	49.1

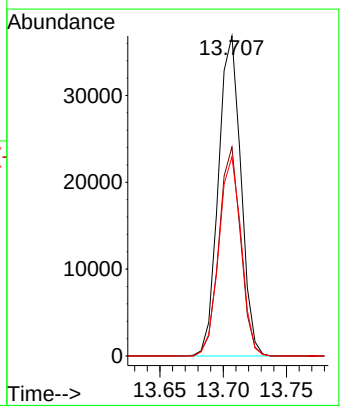


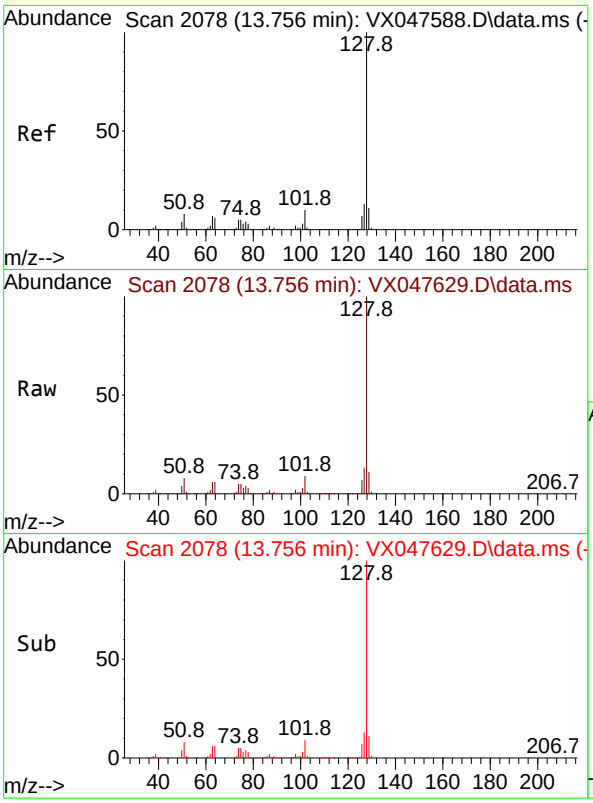


#94
Hexachlorobutadiene
Concen: 50.094 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. -0.000 min
Lab File: VX047629.D
Acq: 17 Sep 2025 19:01

Tgt Ion:225 Resp: 45399

Ion	Ratio	Lower	Upper
225	100		
223	62.9	31.7	95.1
227	62.0	32.0	96.0



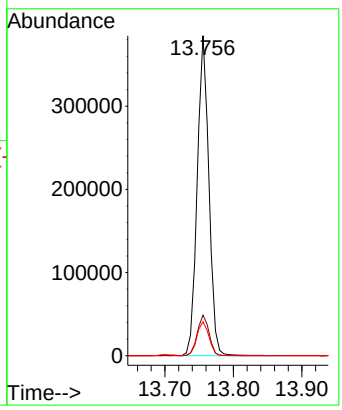


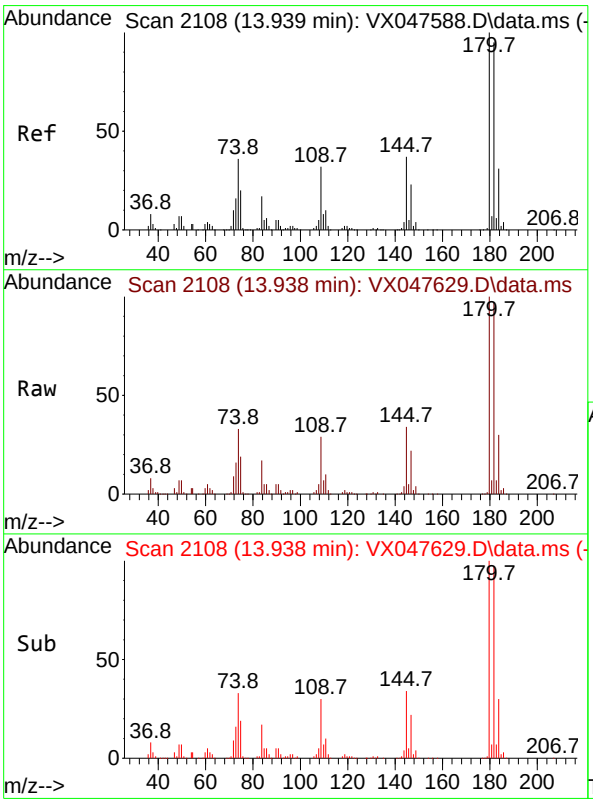
#95
Naphthalene
Concen: 56.148 ug/l
RT: 13.756 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047629.D
Acq: 17 Sep 2025 19:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:128 Resp: 456177

Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.2
129	11.0	8.8	13.2

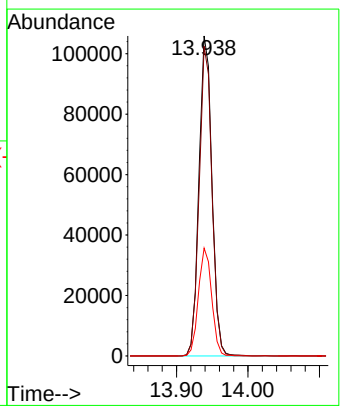




#96
1,2,3-Trichlorobenzene
Concen: 53.618 ug/l
RT: 13.938 min Scan# 2108
Delta R.T. -0.000 min
Lab File: VX047629.D
Acq: 17 Sep 2025 19:01

Tgt Ion:180 Resp: 133075

Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.6	142.8
145	34.5	17.9	53.7



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091825\
Data File : VX047631.D
Acq On : 18 Sep 2025 11:30
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Quant Time: Sep 22 03:30:29 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.537	168	179219	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	321960	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	285408	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	137093	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.934	65	133509	46.801	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 93.600%			
35) Dibromofluoromethane	5.373	113	104494	48.394	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 96.780%			
50) Toluene-d8	8.634	98	365497	48.919	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 97.840%			
62) 4-Bromofluorobenzene	11.061	95	135773	47.883	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 95.760%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.172	85	112469	60.603	ug/l	98
3) Chloromethane	1.300	50	133746	54.835	ug/l	100
4) Vinyl Chloride	1.380	62	131332	55.006	ug/l	98
5) Bromomethane	1.617	94	81557	53.868	ug/l	98
6) Chloroethane	1.697	64	82584	51.751	ug/l	100
7) Trichlorofluoromethane	1.892	101	181094	51.083	ug/l	99
8) Diethyl Ether	2.136	74	72148	49.751	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.331	101	105234	50.766	ug/l	99
10) Methyl Iodide	2.453	142	165913	51.320	ug/l	100
11) Tert butyl alcohol	2.940	59	77642	244.375	ug/l	99
12) 1,1-Dichloroethene	2.325	96	108445	50.930	ug/l	94
13) Acrolein	2.233	56	89861	306.922	ug/l	99
14) Allyl chloride	2.666	41	213542	48.600	ug/l	98
15) Acrylonitrile	3.056	53	305844	259.885	ug/l	100
16) Acetone	2.373	43	362257	292.056	ug/l	99
17) Carbon Disulfide	2.514	76	320639	55.006	ug/l	99
18) Methyl Acetate	2.697	43	136380	49.405	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	381657	49.101	ug/l	100
20) Methylene Chloride	2.788	84	125318	47.731	ug/l	97
21) trans-1,2-Dichloroethene	3.093	96	117420	51.220	ug/l	96
22) Diisopropyl ether	3.751	45	416753	48.941	ug/l	90
23) Vinyl Acetate	3.709	43	1774856	260.421	ug/l	100
24) 1,1-Dichloroethane	3.605	63	222896	49.247	ug/l	100
25) 2-Butanone	4.538	43	422101	272.815	ug/l	97
26) 2,2-Dichloropropane	4.465	77	184735	49.101	ug/l	99
27) cis-1,2-Dichloroethene	4.477	96	139251	49.600	ug/l	99
28) Bromochloromethane	4.885	49	100955	51.092	ug/l	99
29) Tetrahydrofuran	4.989	42	246583	264.926	ug/l	99
30) Chloroform	5.080	83	223876	48.949	ug/l	98
31) Cyclohexane	5.458	56	193321	51.284	ug/l	96
32) 1,1,1-Trichloroethane	5.367	97	191681	49.409	ug/l	99
36) 1,1-Dichloropropene	5.678	75	152850	48.444	ug/l	99
37) Ethyl Acetate	4.696	43	169417	50.149	ug/l	99
38) Carbon Tetrachloride	5.659	117	165399	48.248	ug/l	99
39) Methylcyclohexane	7.366	83	181893	50.786	ug/l	97
40) Benzene	6.019	78	469333	48.975	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091825\
Data File : VX047631.D
Acq On : 18 Sep 2025 11:30
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Quant Time: Sep 22 03:30:29 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	4.903	41	87695	50.282 ug/l		98
42) 1,2-Dichloroethane	6.068	62	171157	46.941 ug/l		98
43) Isopropyl Acetate	6.318	43	277550	50.094 ug/l		99
44) Trichloroethene	7.110	130	116097	50.110 ug/l		95
45) 1,2-Dichloropropane	7.415	63	119090	48.532 ug/l		100
46) Dibromomethane	7.562	93	85677	47.980 ug/l		96
47) Bromodichloromethane	7.805	83	176333	47.854 ug/l		99
48) Methyl methacrylate	7.677	41	139596	50.581 ug/l		99
49) 1,4-Dioxane	7.647	88	32682	1171.777 ug/l		98
51) 4-Methyl-2-Pentanone	8.555	43	793483	258.300 ug/l		100
52) Toluene	8.702	92	290542	49.210 ug/l		99
53) t-1,3-Dichloropropene	8.964	75	184740	49.152 ug/l		99
54) cis-1,3-Dichloropropene	8.348	75	199468	49.652 ug/l		98
55) 1,1,2-Trichloroethane	9.134	97	110094	48.359 ug/l		99
56) Ethyl methacrylate	9.098	69	183269	51.260 ug/l		98
57) 1,3-Dichloropropane	9.293	76	193940	49.591 ug/l		98
58) 2-Chloroethyl Vinyl ether	8.226	63	431737	252.582 ug/l		99
59) 2-Hexanone	9.415	43	586823	265.979 ug/l		99
60) Dibromochloromethane	9.506	129	129710	49.448 ug/l		99
61) 1,2-Dibromoethane	9.592	107	117208	50.547 ug/l		99
64) Tetrachloroethene	9.256	164	92448	49.688 ug/l		99
65) Chlorobenzene	10.061	112	315492	48.658 ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.146	131	108173	48.347 ug/l		99
67) Ethyl Benzene	10.177	91	553172	49.445 ug/l		99
68) m/p-Xylenes	10.287	106	414989	99.659 ug/l		99
69) o-Xylene	10.622	106	201624	50.060 ug/l		98
70) Styrene	10.640	104	347448	49.233 ug/l		99
71) Bromoform	10.780	173	82158	49.177 ug/l	#	99
73) Isopropylbenzene	10.945	105	512701	49.191 ug/l		100
74) N-amyl acetate	10.823	43	242616	51.046 ug/l		100
75) 1,1,2,2-Tetrachloroethane	11.195	83	157103	49.820 ug/l		99
76) 1,2,3-Trichloropropane	11.219	75	179446	64.649 ug/l		89
77) Bromobenzene	11.183	156	125074	48.723 ug/l		99
78) n-propylbenzene	11.286	91	606998	49.266 ug/l		100
79) 2-Chlorotoluene	11.347	91	366809	48.608 ug/l		100
80) 1,3,5-Trimethylbenzene	11.433	105	422419	49.330 ug/l		99
81) trans-1,4-Dichloro-2-b...	11.000	75	54108	49.711 ug/l		98
82) 4-Chlorotoluene	11.439	91	431570	48.423 ug/l		100
83) tert-Butylbenzene	11.695	119	422068	48.149 ug/l		99
84) 1,2,4-Trimethylbenzene	11.732	105	426742	49.155 ug/l		100
85) sec-Butylbenzene	11.872	105	512794	49.250 ug/l		100
86) p-Isopropyltoluene	11.994	119	427348	48.480 ug/l		99
87) 1,3-Dichlorobenzene	11.951	146	230147	48.269 ug/l		99
88) 1,4-Dichlorobenzene	12.024	146	231259	47.257 ug/l		100
89) n-Butylbenzene	12.311	91	406198	49.801 ug/l		99
90) Hexachloroethane	12.518	117	75994	49.103 ug/l		98
91) 1,2-Dichlorobenzene	12.317	146	222095	48.892 ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.920	75	32697	51.214 ug/l		99
93) 1,2,4-Trichlorobenzene	13.567	180	145730	49.362 ug/l		99
94) Hexachlorobutadiene	13.707	225	49085	48.949 ug/l		99
95) Naphthalene	13.756	128	453760	50.475 ug/l		100
96) 1,2,3-Trichlorobenzene	13.938	180	134546	48.993 ug/l		99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091825\
Data File : VX047631.D
Acq On : 18 Sep 2025 11:30
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Quant Time: Sep 22 03:30:29 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

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

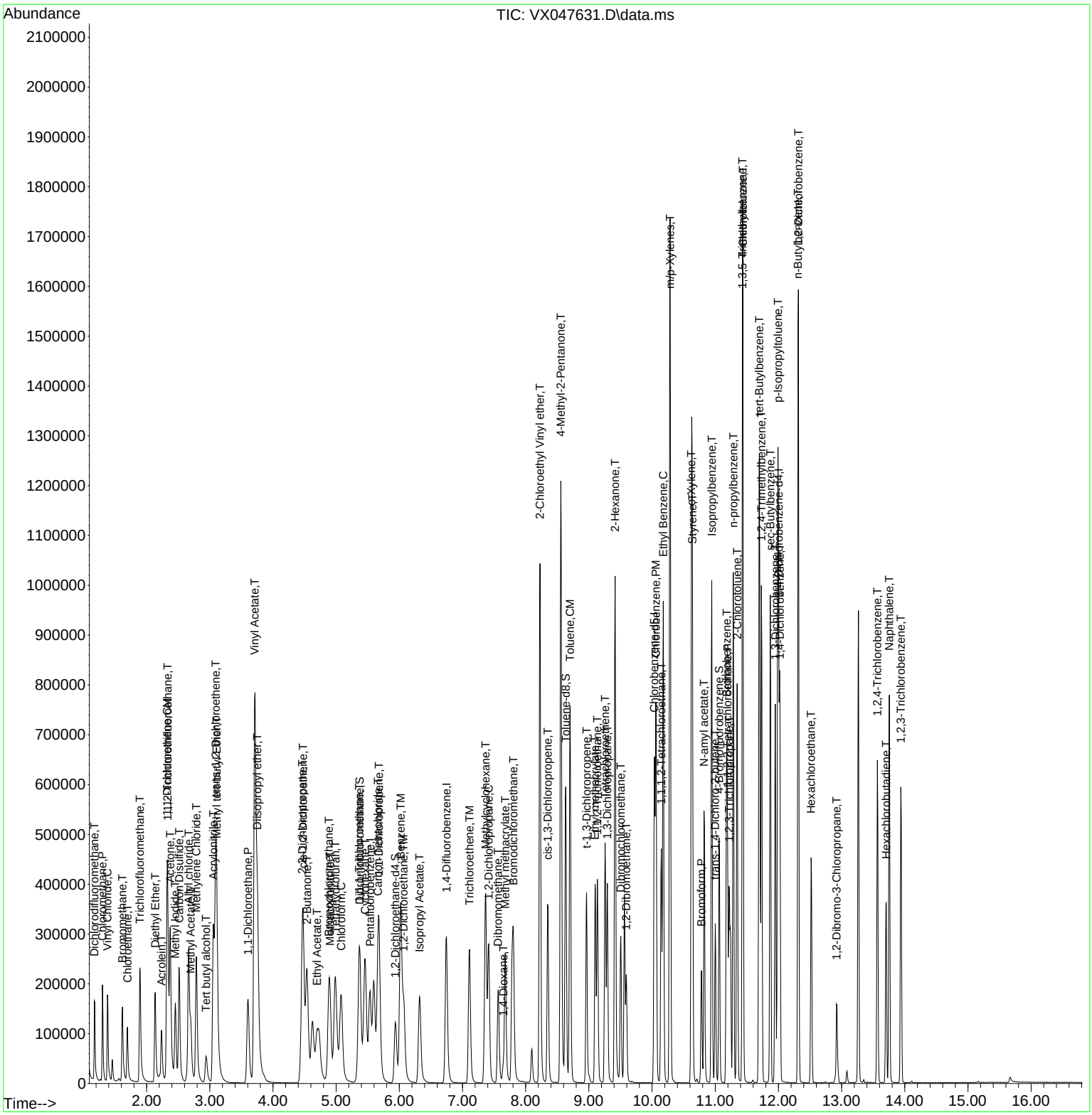
(#) = qualifier out of range (m) = manual integration (+) = signals summed

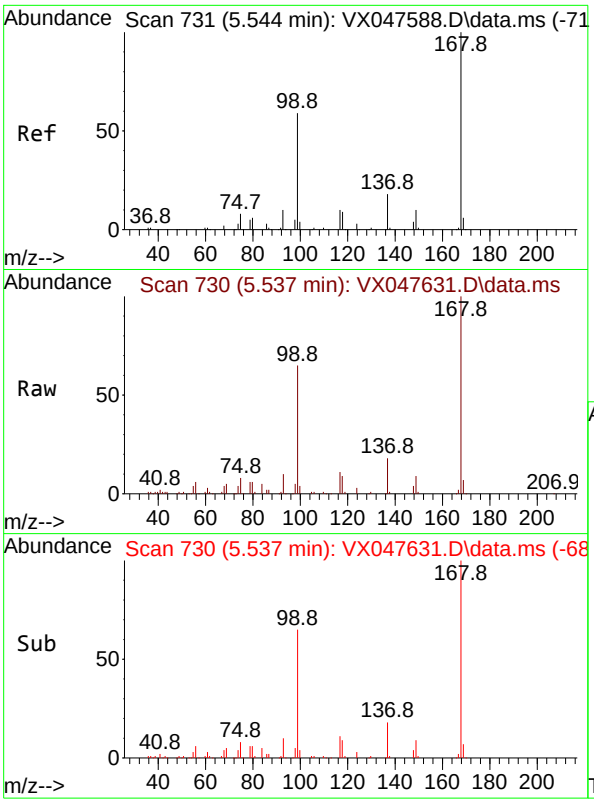
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091825\
Data File : VX047631.D
Acq On : 18 Sep 2025 11:30
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Quant Time: Sep 22 03:30:29 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



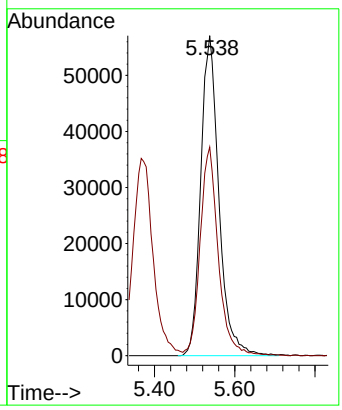


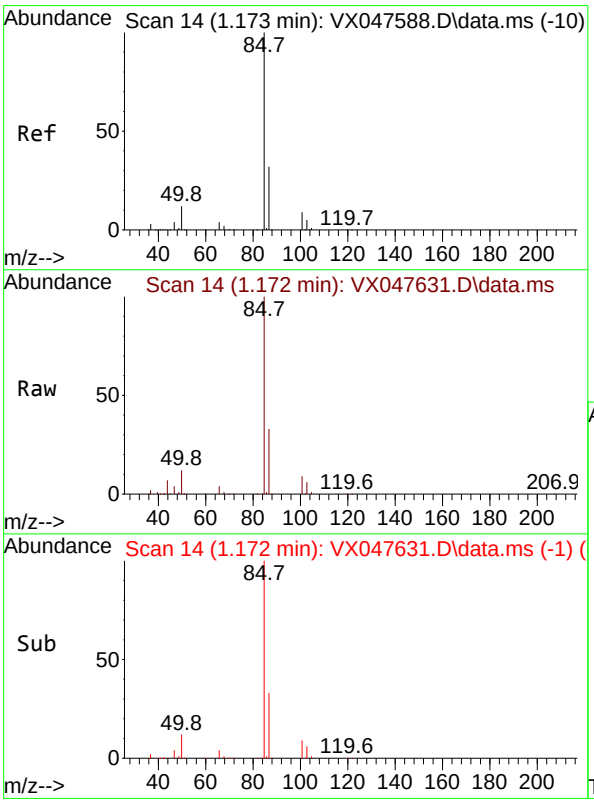
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.537 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047631.D
Acq: 18 Sep 2025 11:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:168 Resp: 179219

Ion	Ratio	Lower	Upper
168	100		
99	64.9	48.8	73.2

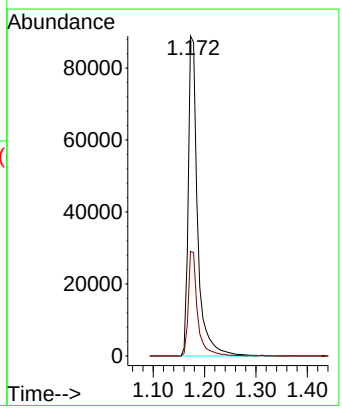


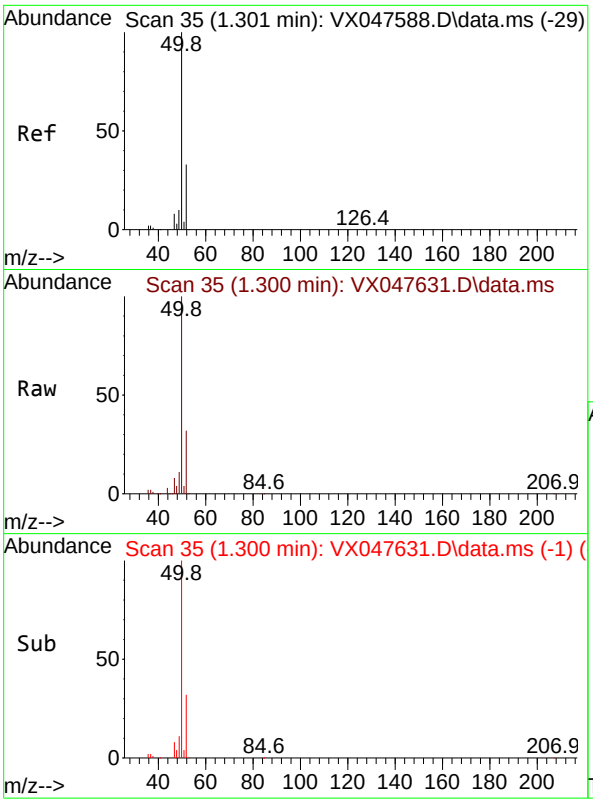


#2
Dichlorodifluoromethane
Concen: 60.603 ug/l
RT: 1.172 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047631.D
Acq: 18 Sep 2025 11:30

Tgt Ion: 85 Resp: 112469

Ion	Ratio	Lower	Upper
85	100		
87	32.7	15.8	47.3



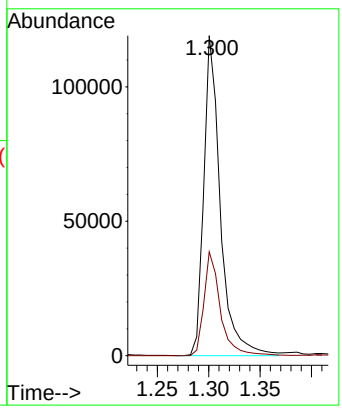


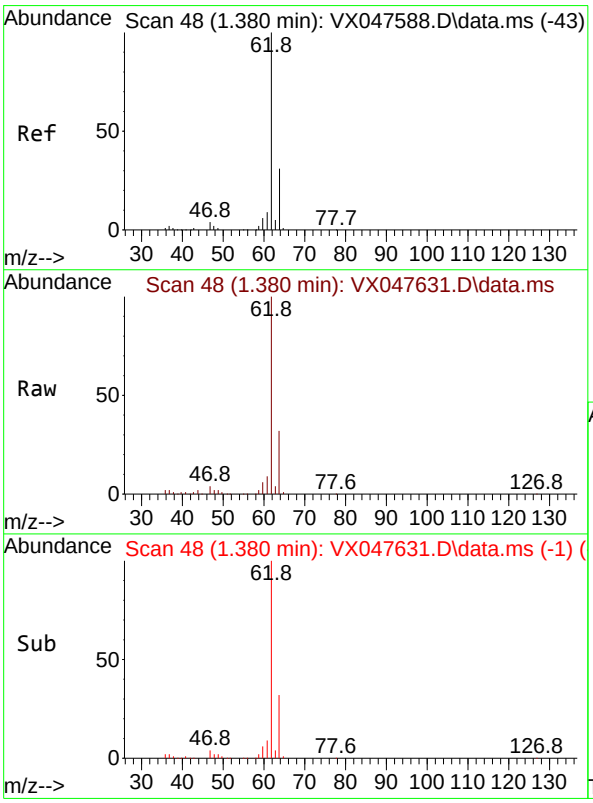
#3
Chloromethane
Concen: 54.835 ug/l
RT: 1.300 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047631.D
Acq: 18 Sep 2025 11:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 50 Resp: 133746

Ion	Ratio	Lower	Upper
50	100		
52	32.4	26.1	39.1

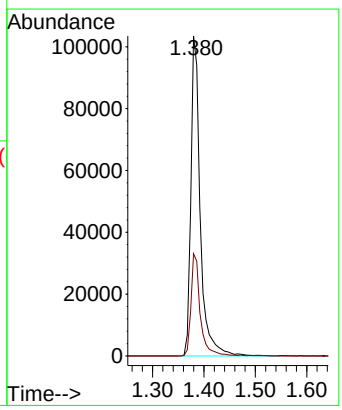


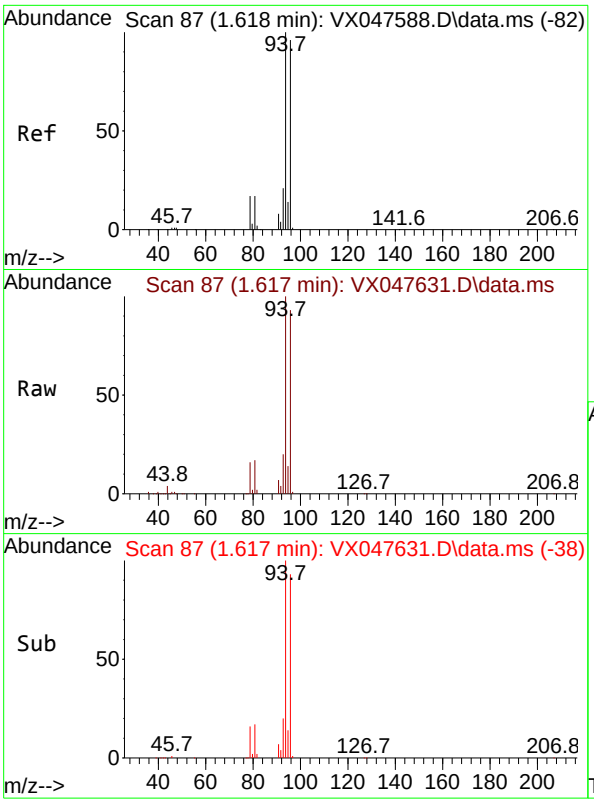


#4
Vinyl Chloride
Concen: 55.006 ug/l
RT: 1.380 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX047631.D
Acq: 18 Sep 2025 11:30

Tgt Ion: 62 Resp: 131332

Ion	Ratio	Lower	Upper
62	100		
64	31.9	24.9	37.3



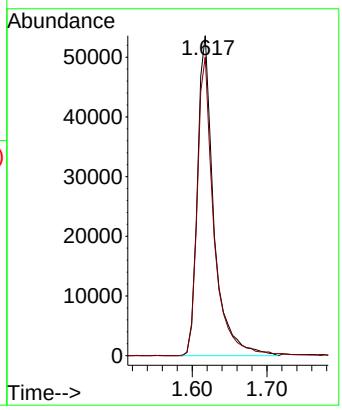


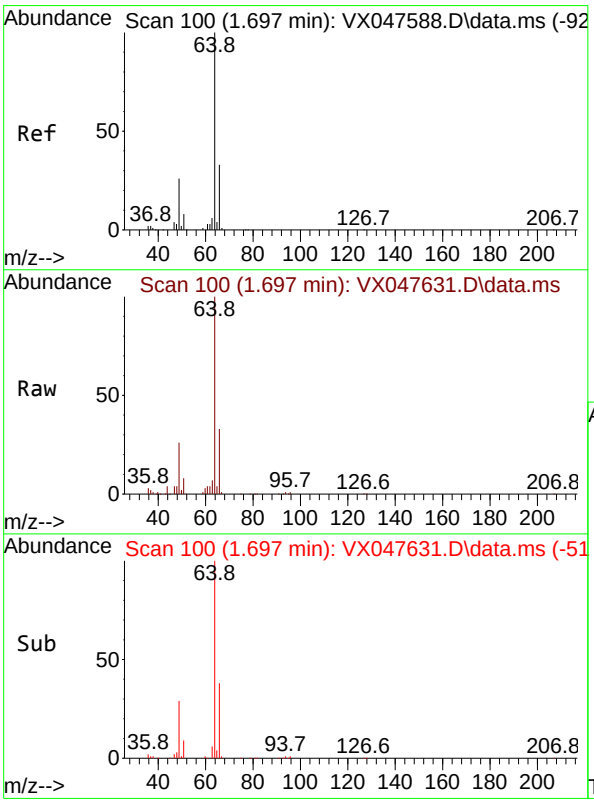
#5
Bromomethane
Concen: 53.868 ug/l
RT: 1.617 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX047631.D
Acq: 18 Sep 2025 11:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 94 Resp: 81557

Ion	Ratio	Lower	Upper
94	100		
96	93.4	76.6	115.0

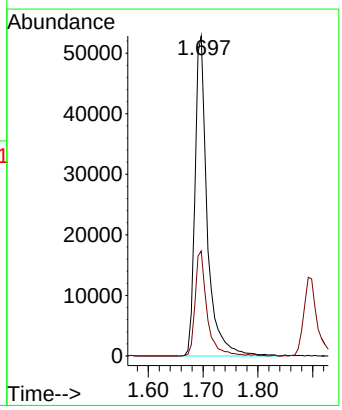


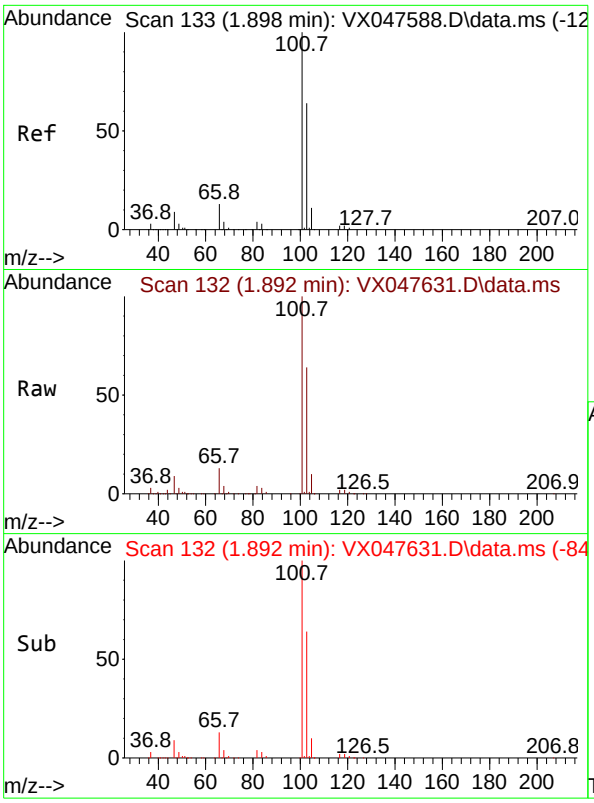


#6
Chloroethane
Concen: 51.751 ug/l
RT: 1.697 min Scan# 100
Delta R.T. -0.000 min
Lab File: VX047631.D
Acq: 18 Sep 2025 11:30

Tgt Ion: 64 Resp: 82584

Ion	Ratio	Lower	Upper
64	100		
66	32.8	26.1	39.1



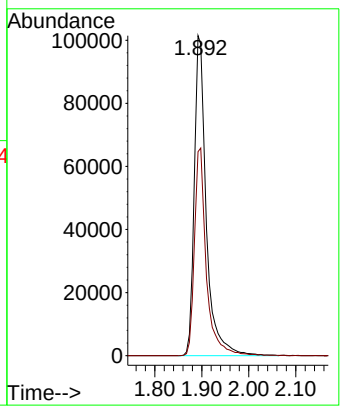


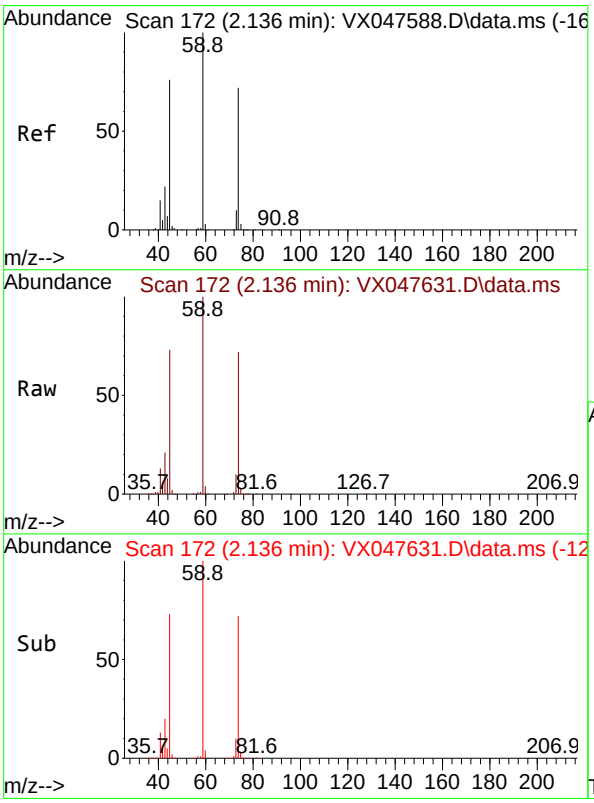
#7
Trichlorofluoromethane
Concen: 51.083 ug/l
RT: 1.892 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047631.D
Acq: 18 Sep 2025 11:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 181094

Ion	Ratio	Lower	Upper
101	100		
103	63.8	51.4	77.2

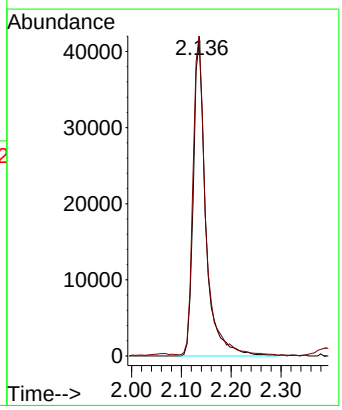


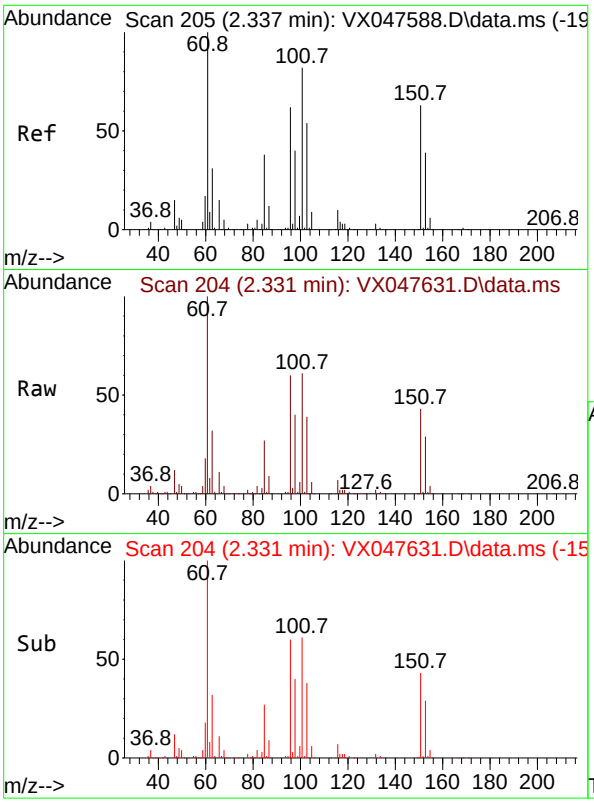


#8
Diethyl Ether
Concen: 49.751 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX047631.D
Acq: 18 Sep 2025 11:30

Tgt Ion: 74 Resp: 72148

Ion	Ratio	Lower	Upper
74	100		
45	105.3	52.3	156.8



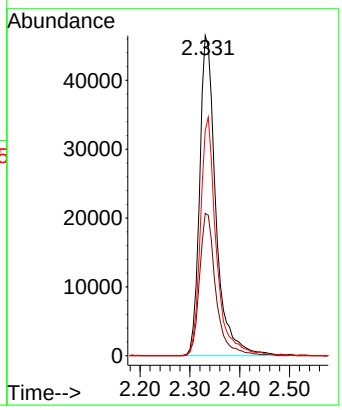


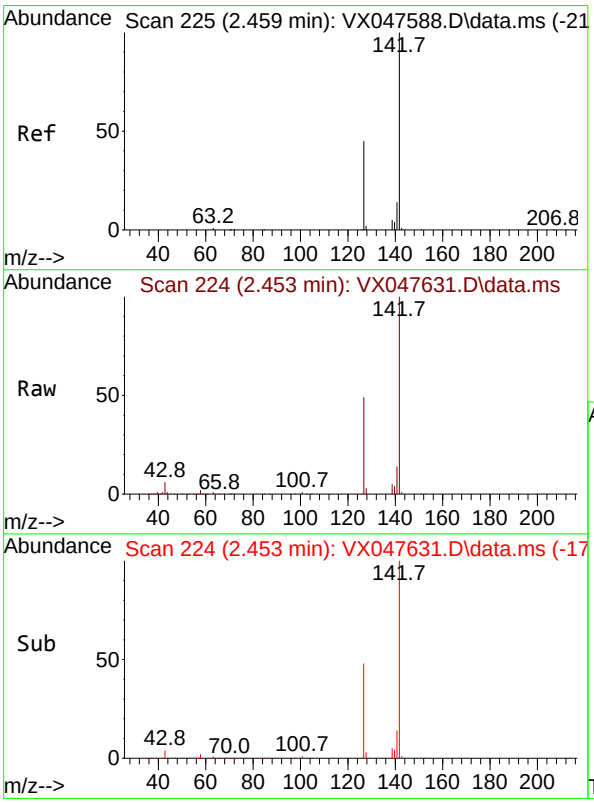
#9
1,1,2-Trichlorotrifluoroethane
Concen: 50.766 ug/l
RT: 2.331 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047631.D
Acq: 18 Sep 2025 11:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 105234

Ion	Ratio	Lower	Upper
101	100		
85	44.7	35.5	53.3
151	73.3	59.4	89.0

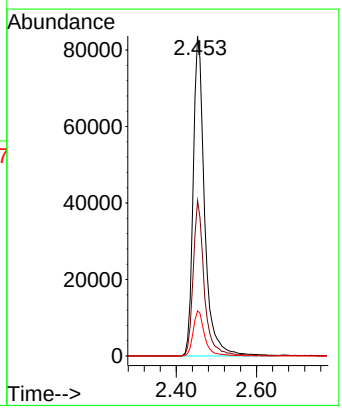


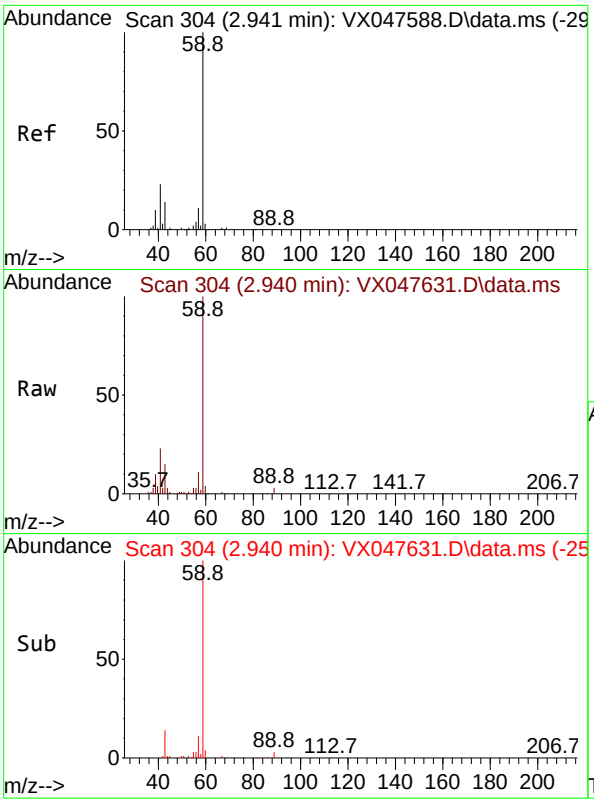


#10
Methyl Iodide
Concen: 51.320 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.006 min
Lab File: VX047631.D
Acq: 18 Sep 2025 11:30

Tgt Ion:142 Resp: 165913

Ion	Ratio	Lower	Upper
142	100		
127	46.7	37.2	55.8
141	14.1	11.4	17.0



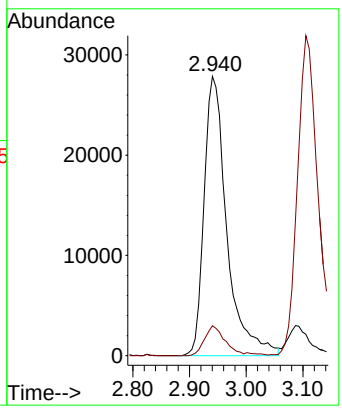


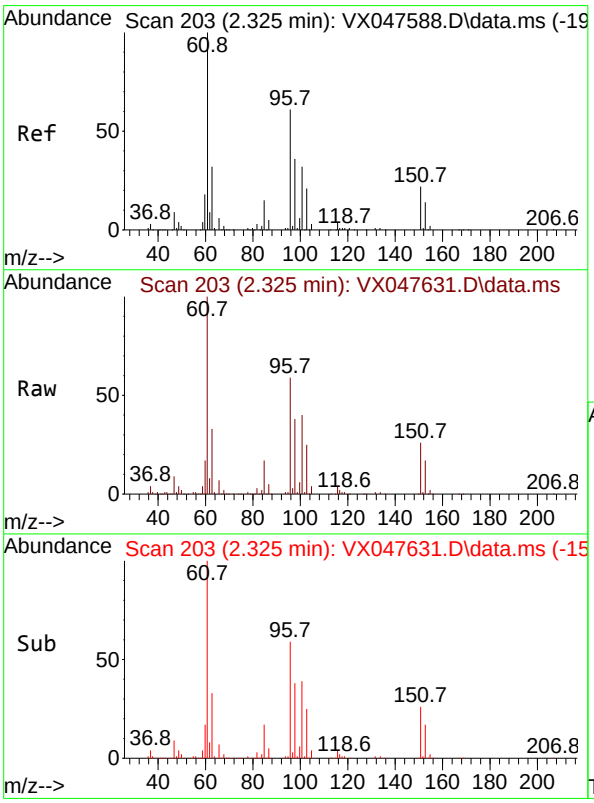
#11
Tert butyl alcohol
Concen: 244.375 ug/l
RT: 2.940 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047631.D
Acq: 18 Sep 2025 11:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 59 Resp: 77642

Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.3	12.5

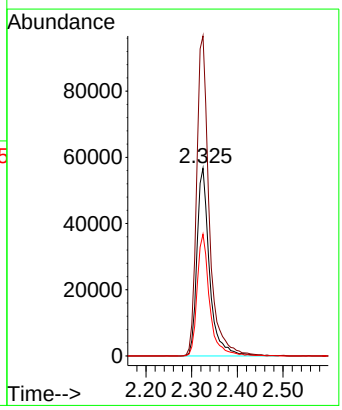


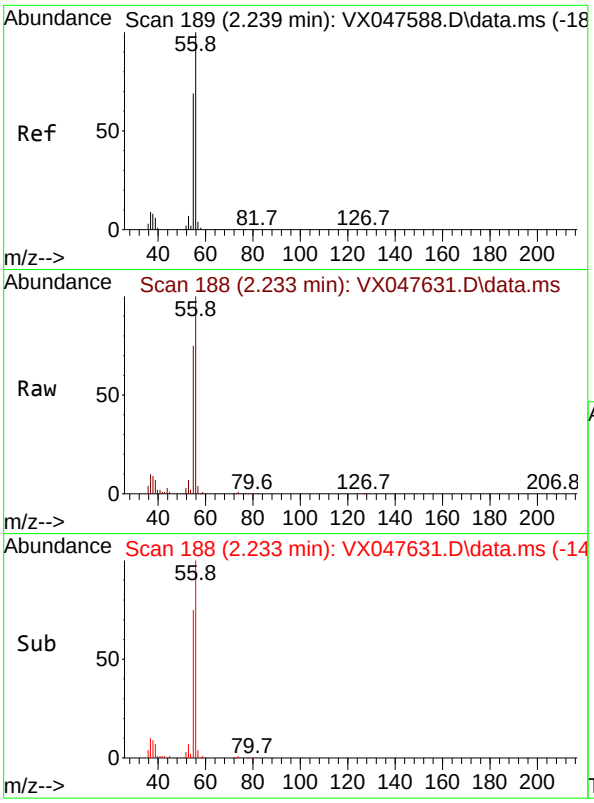


#12
1,1-Dichloroethene
Concen: 50.930 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX047631.D
Acq: 18 Sep 2025 11:30

Tgt Ion: 96 Resp: 108445

Ion	Ratio	Lower	Upper
96	100		
61	170.5	131.0	196.6
98	64.8	47.7	71.5



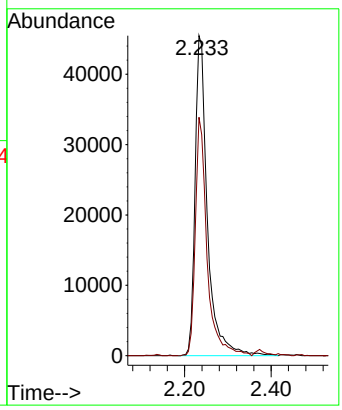


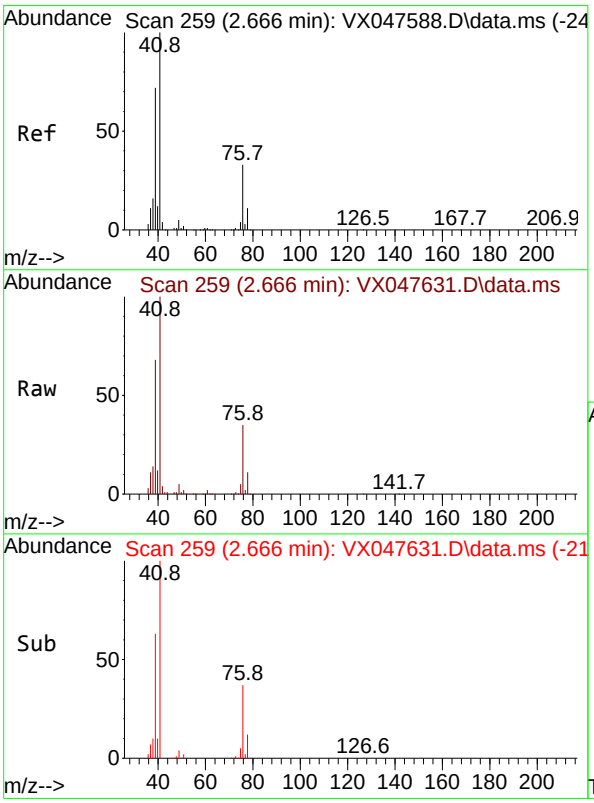
#13
Acrolein
Concen: 306.922 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047631.D
Acq: 18 Sep 2025 11:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 56 Resp: 89861

Ion	Ratio	Lower	Upper
56	100		
55	70.6	57.2	85.8

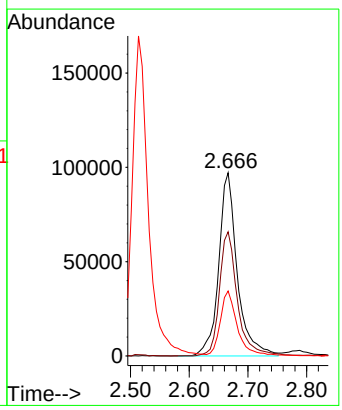


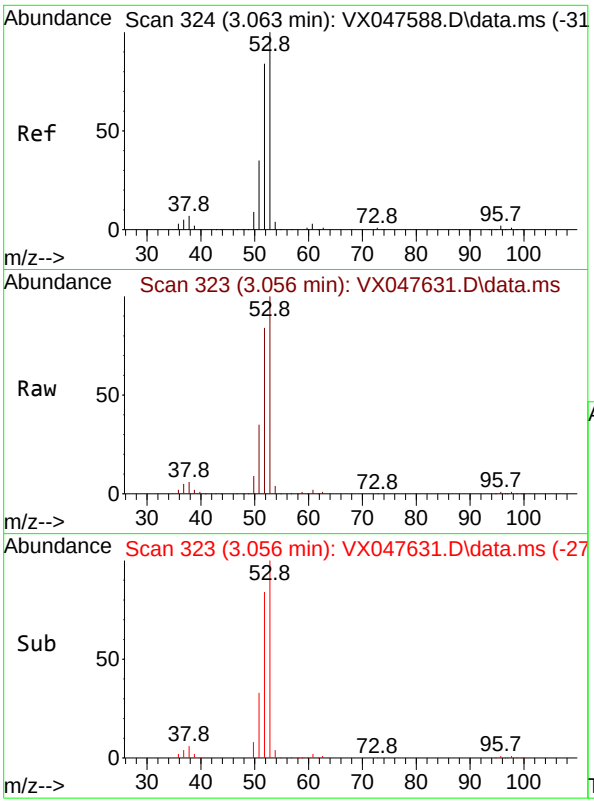


#14
Allyl chloride
Concen: 48.600 ug/l
RT: 2.666 min Scan# 259
Delta R.T. -0.000 min
Lab File: VX047631.D
Acq: 18 Sep 2025 11:30

Tgt Ion: 41 Resp: 213542

Ion	Ratio	Lower	Upper
41	100		
39	65.9	54.7	82.1
76	32.4	25.7	38.5



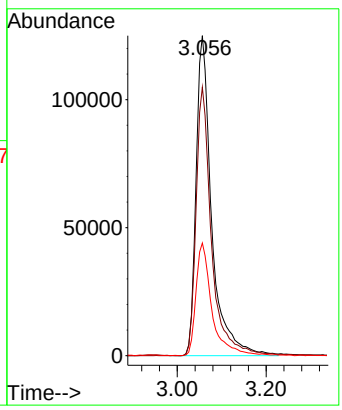


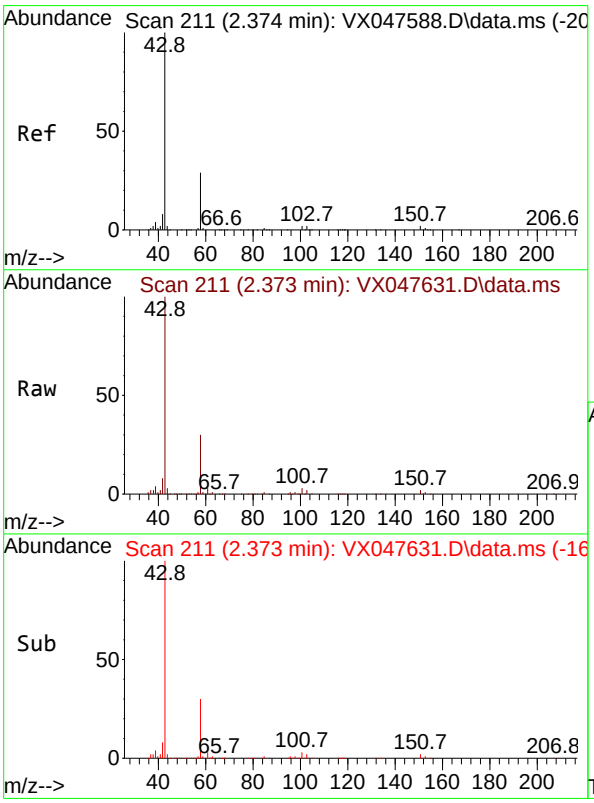
#15
Acrylonitrile
Concen: 259.885 ug/l
RT: 3.056 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047631.D
Acq: 18 Sep 2025 11:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 53 Resp: 305844

Ion	Ratio	Lower	Upper
53	100		
52	82.9	66.4	99.6
51	36.3	29.5	44.3

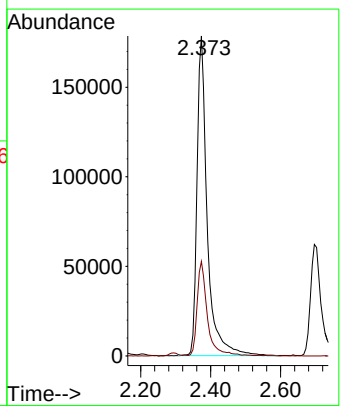


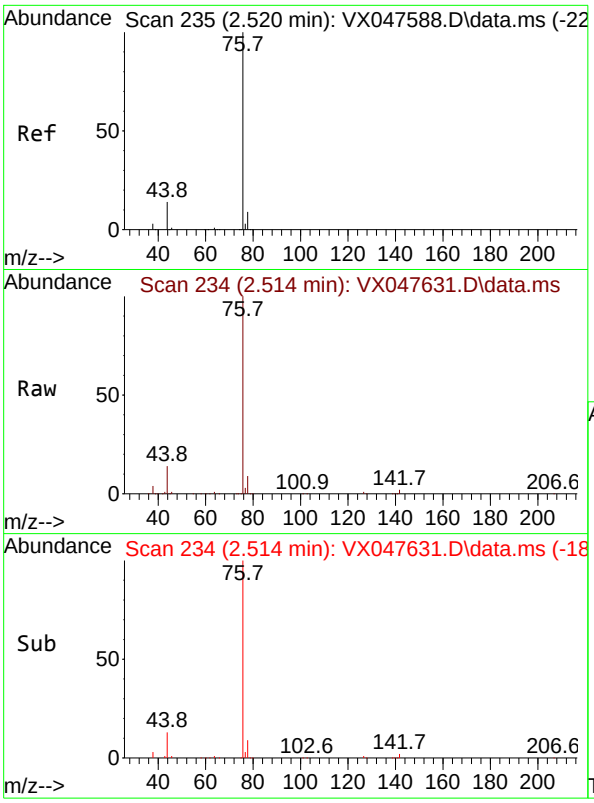


#16
Acetone
Concen: 292.056 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX047631.D
Acq: 18 Sep 2025 11:30

Tgt Ion: 43 Resp: 362257

Ion	Ratio	Lower	Upper
43	100		
58	29.6	23.4	35.0



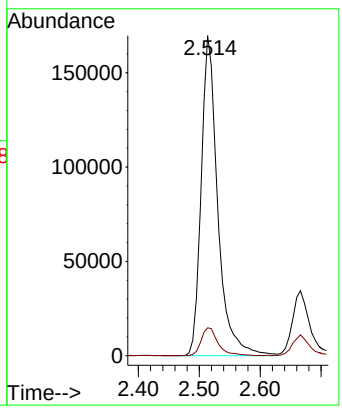


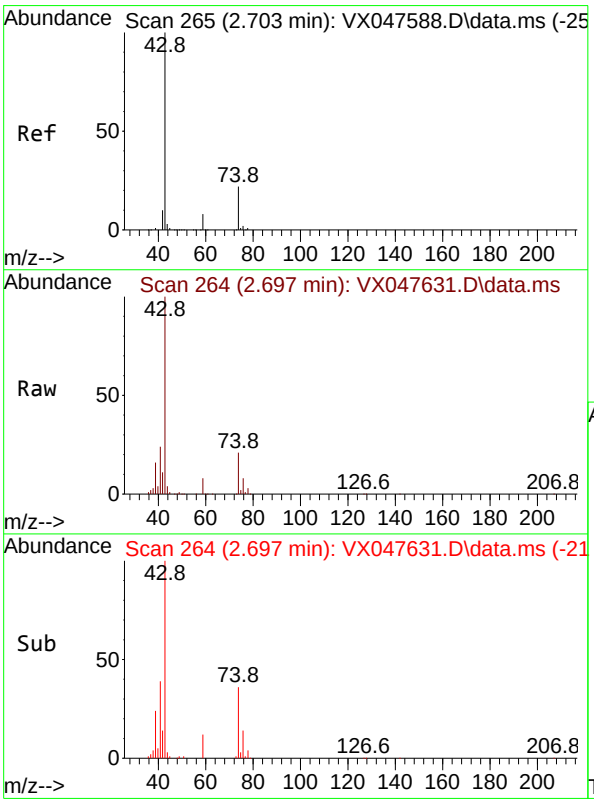
#17
Carbon Disulfide
Concen: 55.006 ug/l
RT: 2.514 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047631.D
Acq: 18 Sep 2025 11:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 320639

Ion	Ratio	Lower	Upper
76	100		
78	8.7	6.8	10.2

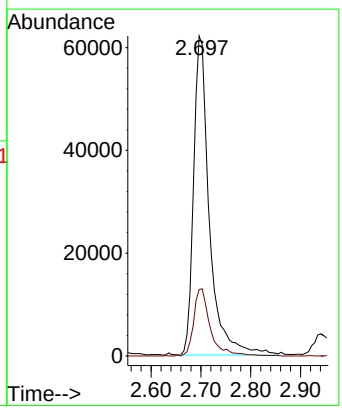


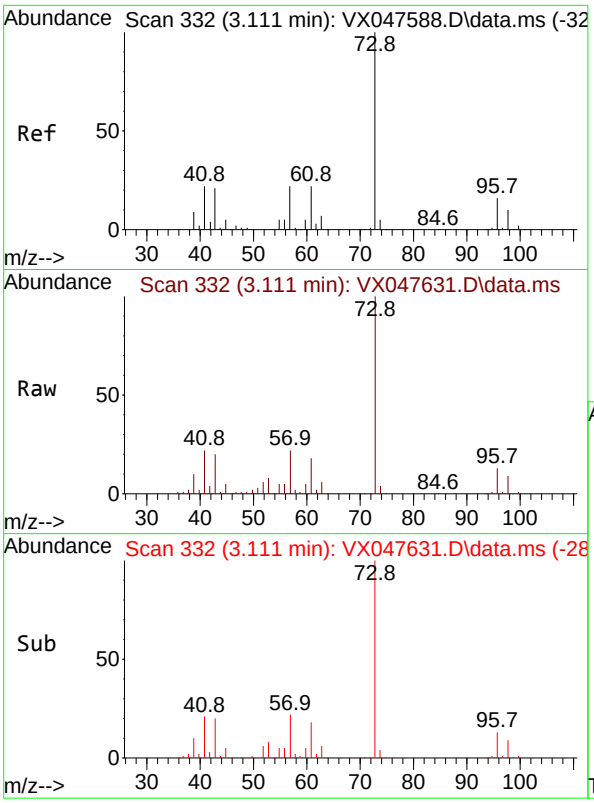


#18
Methyl Acetate
Concen: 49.405 ug/l
RT: 2.697 min Scan# 264
Delta R.T. -0.006 min
Lab File: VX047631.D
Acq: 18 Sep 2025 11:30

Tgt Ion: 43 Resp: 136380

Ion	Ratio	Lower	Upper
43	100		
74	22.1	17.4	26.2



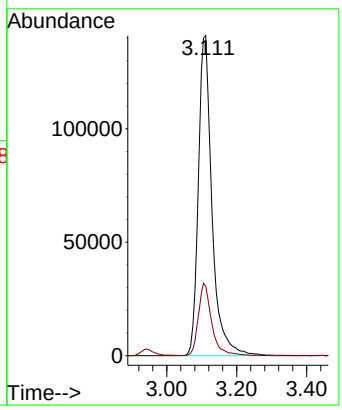


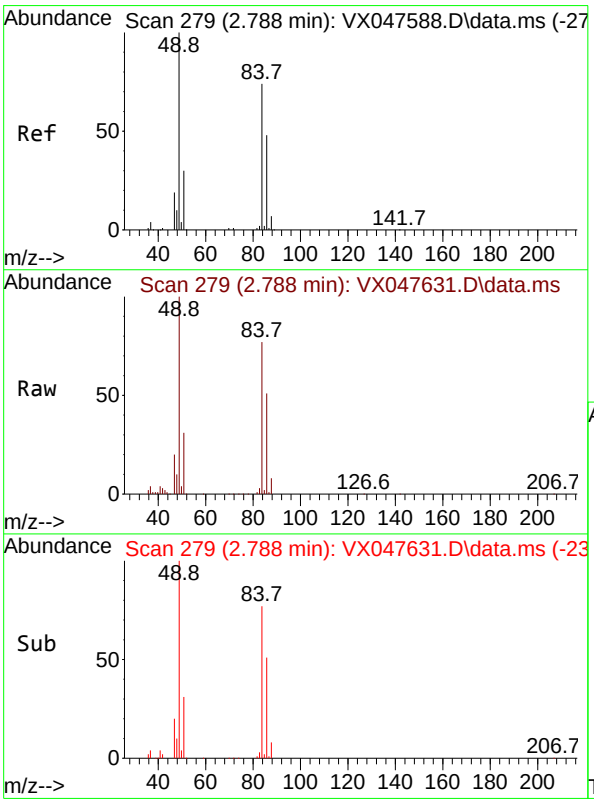
#19
Methyl tert-butyl Ether
Concen: 49.101 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047631.D
Acq: 18 Sep 2025 11:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 73 Resp: 381657

Ion	Ratio	Lower	Upper
73	100		
57	21.7	17.4	26.2

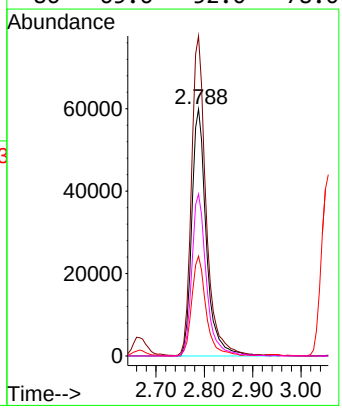


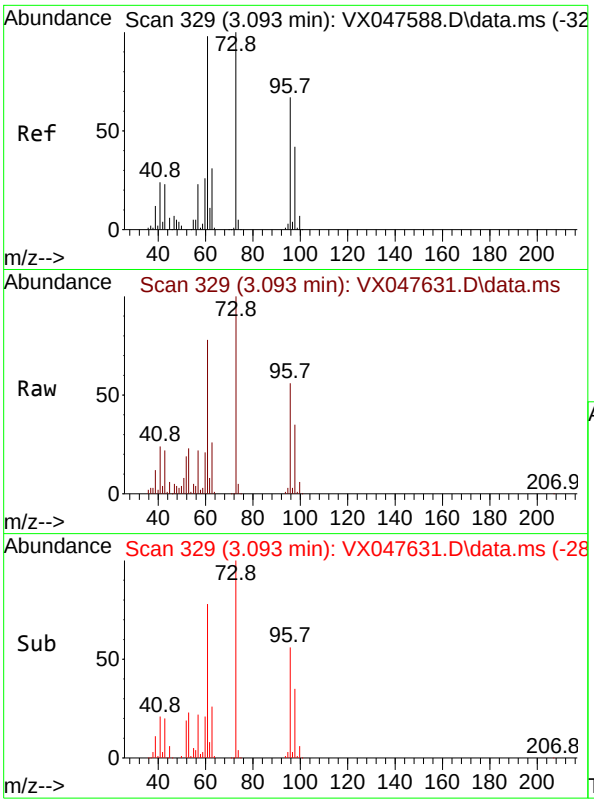


#20
Methylene Chloride
Concen: 47.731 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX047631.D
Acq: 18 Sep 2025 11:30

Tgt Ion: 84 Resp: 125318

Ion	Ratio	Lower	Upper
84	100		
49	129.3	108.6	162.8
51	40.3	32.6	48.8
86	65.6	52.0	78.0



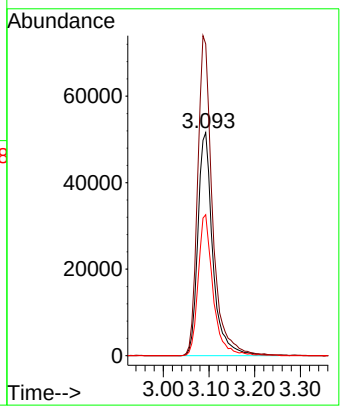


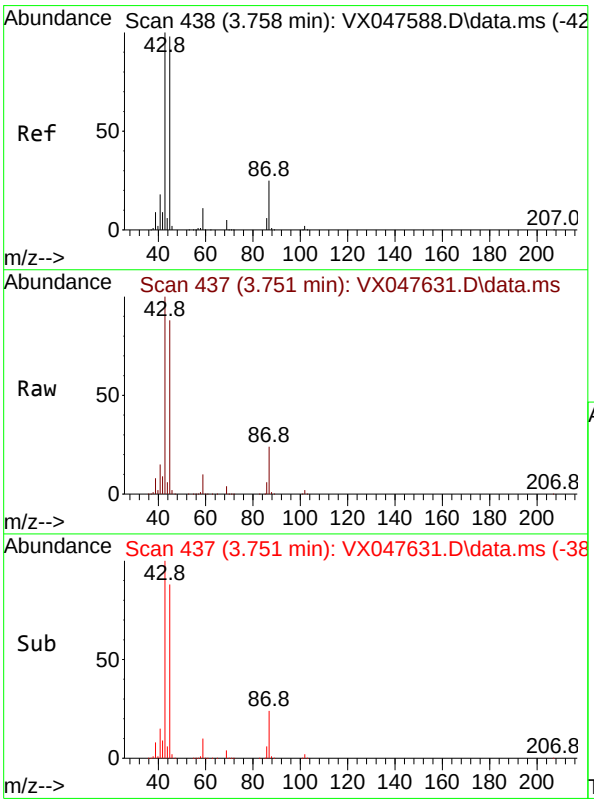
#21
trans-1,2-Dichloroethene
Concen: 51.220 ug/l
RT: 3.093 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047631.D
Acq: 18 Sep 2025 11:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 96 Resp: 117420

Ion	Ratio	Lower	Upper
96	100		
61	139.8	116.2	174.2
98	63.2	49.3	73.9

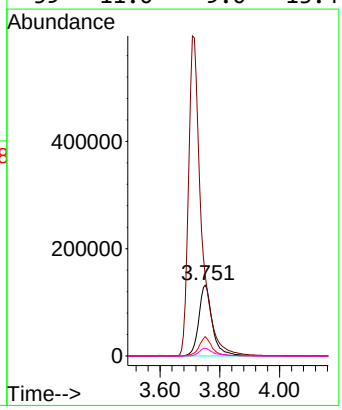


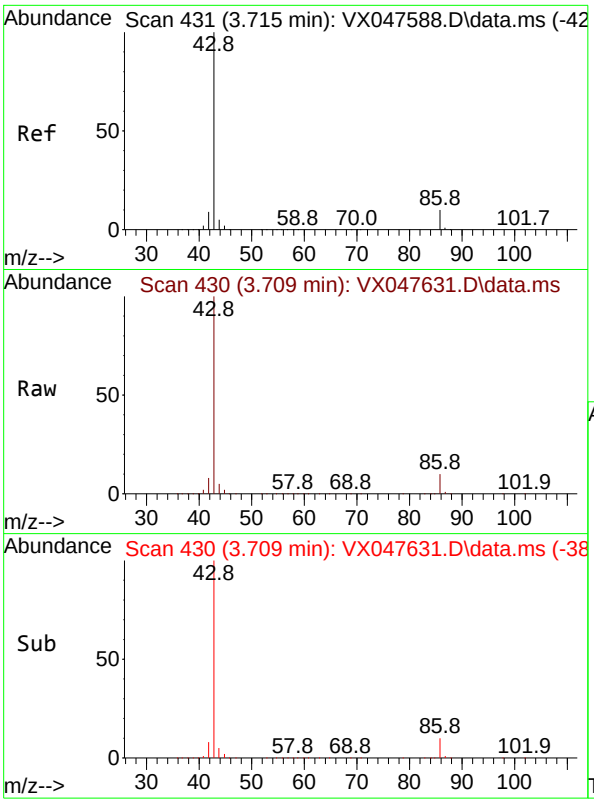


#22
Diisopropyl ether
Concen: 48.941 ug/l
RT: 3.751 min Scan# 437
Delta R.T. -0.006 min
Lab File: VX047631.D
Acq: 18 Sep 2025 11:30

Tgt Ion: 45 Resp: 416753

Ion	Ratio	Lower	Upper
45	100		
43	113.3	81.0	121.4
87	27.4	20.3	30.5
59	11.0	9.0	13.4



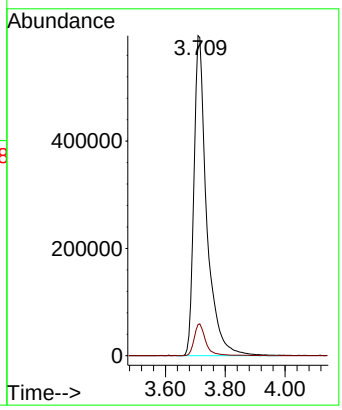


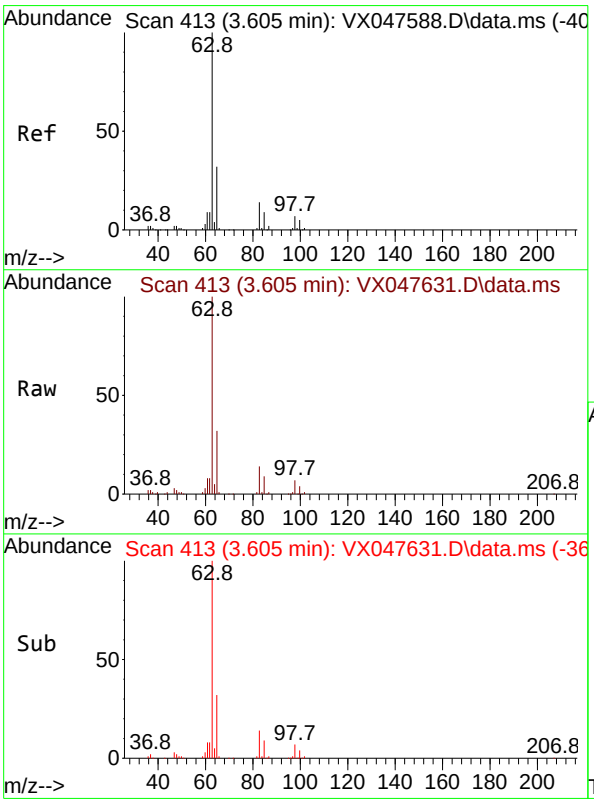
#23
Vinyl Acetate
Concen: 260.421 ug/l
RT: 3.709 min Scan# 4
Delta R.T. -0.006 min
Lab File: VX047631.D
Acq: 18 Sep 2025 11:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 1774856

Ion	Ratio	Lower	Upper
43	100		
86	9.7	7.8	11.8

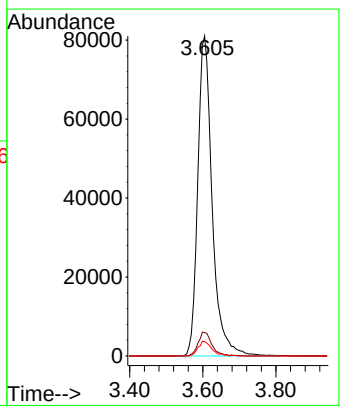


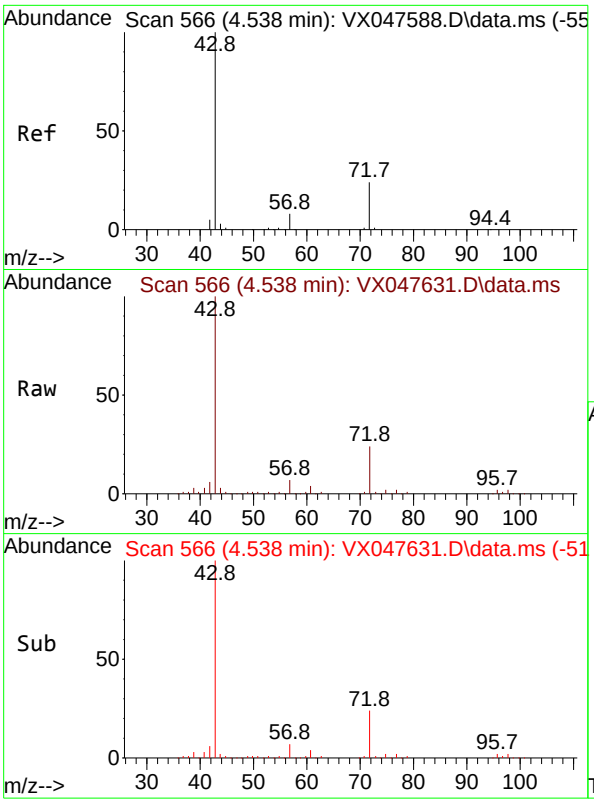


#24
1,1-Dichloroethane
Concen: 49.247 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX047631.D
Acq: 18 Sep 2025 11:30

Tgt Ion: 63 Resp: 222896

Ion	Ratio	Lower	Upper
63	100		
98	7.3	3.8	11.2
100	4.6	2.3	6.9



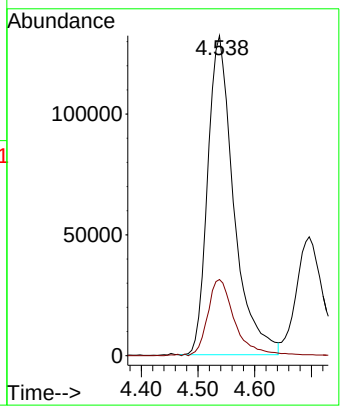


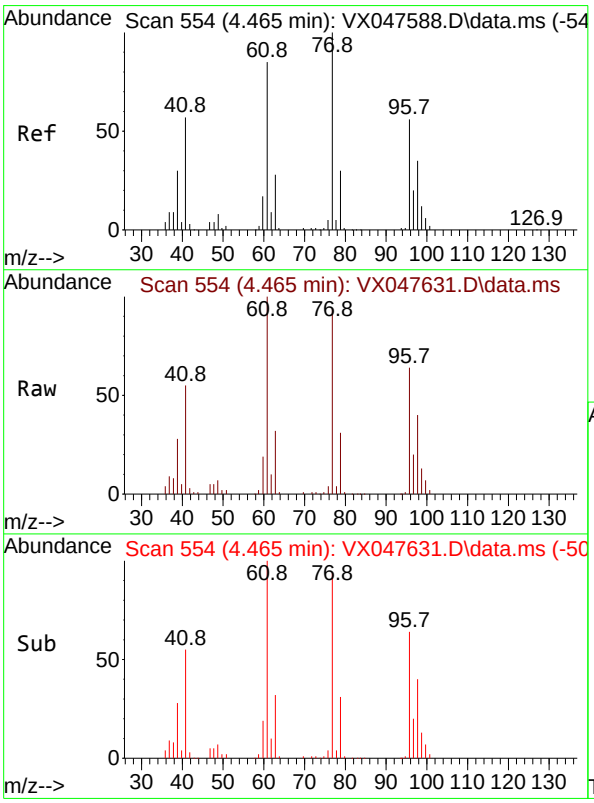
#25
2-Butanone
Concen: 272.815 ug/l
RT: 4.538 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX047631.D
Acq: 18 Sep 2025 11:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 422101

Ion	Ratio	Lower	Upper
43	100		
72	23.4	20.1	30.1

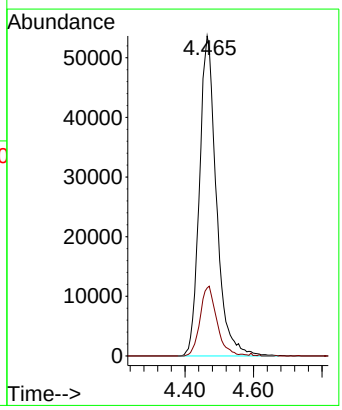


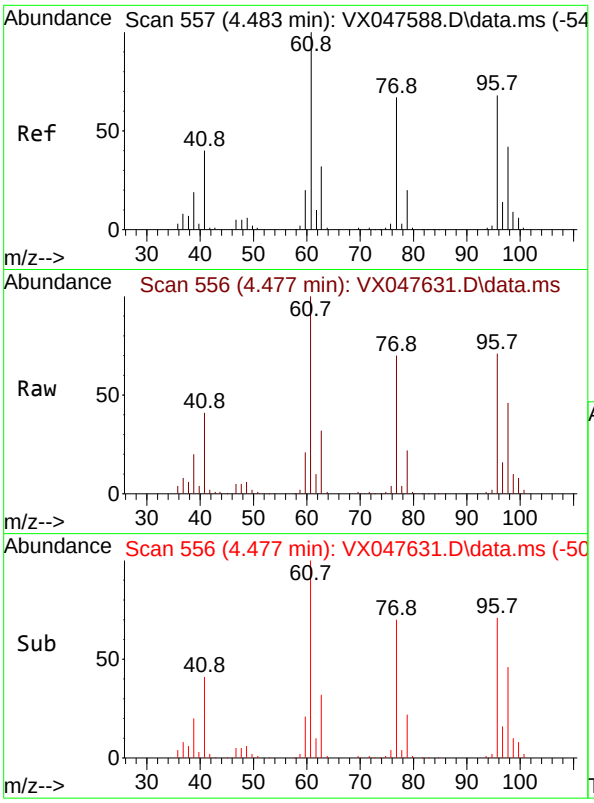


#26
2,2-Dichloropropane
Concen: 49.101 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.000 min
Lab File: VX047631.D
Acq: 18 Sep 2025 11:30

Tgt Ion: 77 Resp: 184735

Ion	Ratio	Lower	Upper
77	100		
97	21.5	10.9	32.7



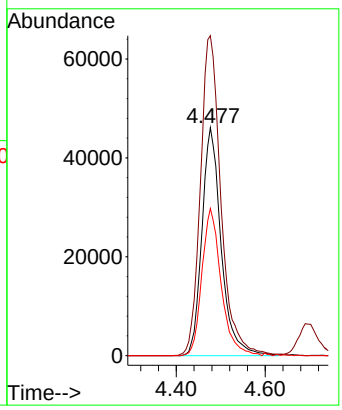


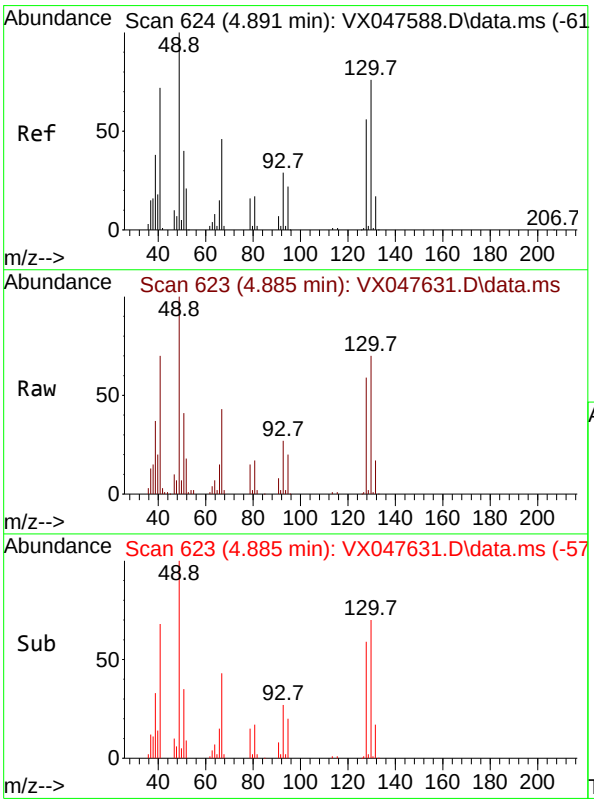
#27
cis-1,2-Dichloroethene
Concen: 49.600 ug/l
RT: 4.477 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX047631.D
Acq: 18 Sep 2025 11:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 96 Resp: 139251

Ion	Ratio	Lower	Upper
96	100		
61	149.9	0.0	303.2
98	64.3	0.0	127.8

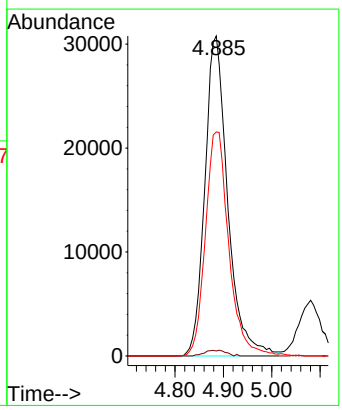


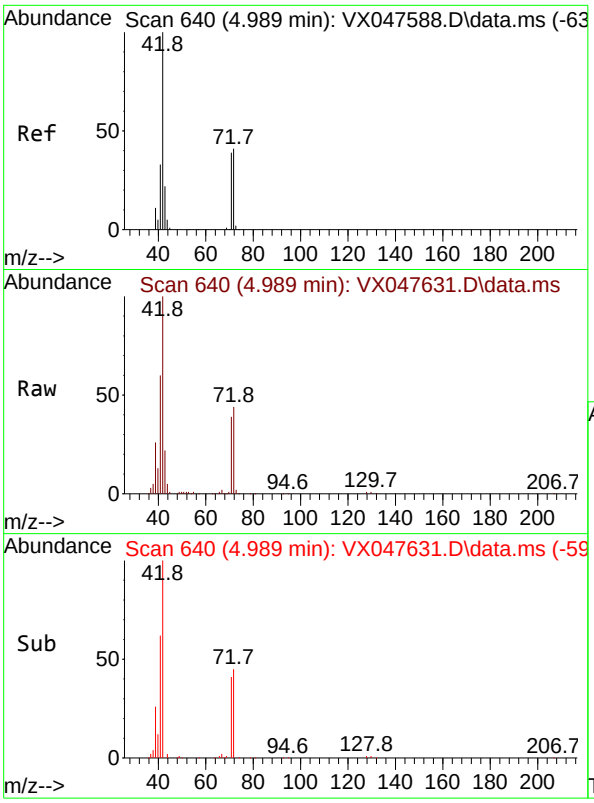


#28
Bromochloromethane
Concen: 51.092 ug/l
RT: 4.885 min Scan# 623
Delta R.T. -0.006 min
Lab File: VX047631.D
Acq: 18 Sep 2025 11:30

Tgt Ion: 49 Resp: 100955

Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	3.2
130	71.8	57.8	86.8



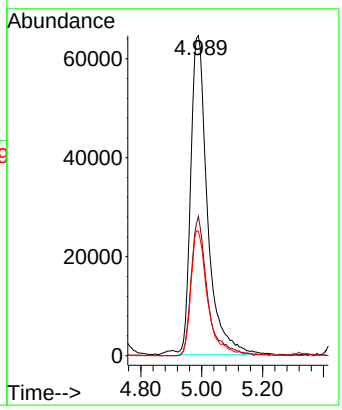


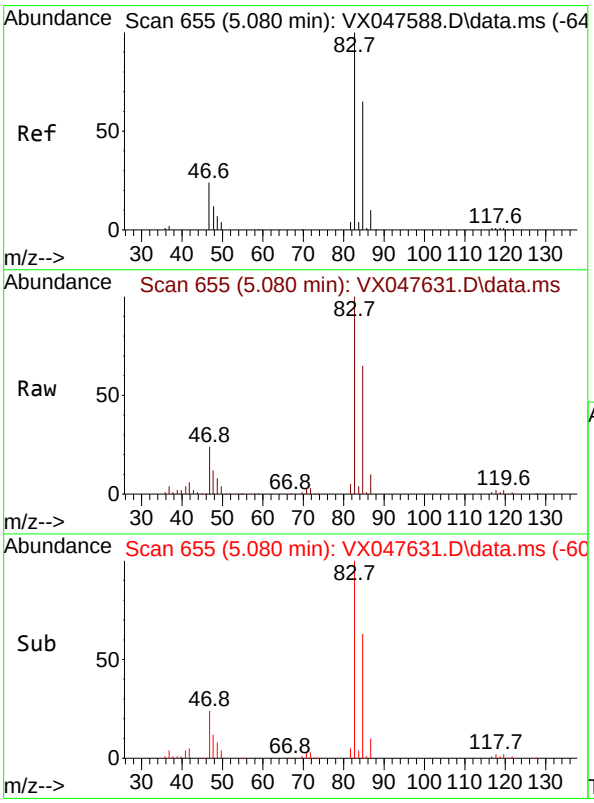
#29
Tetrahydrofuran
Concen: 264.926 ug/l
RT: 4.989 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX047631.D
Acq: 18 Sep 2025 11:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 42 Resp: 246583

Ion	Ratio	Lower	Upper
42	100		
72	42.6	34.2	51.2
71	38.7	31.9	47.9

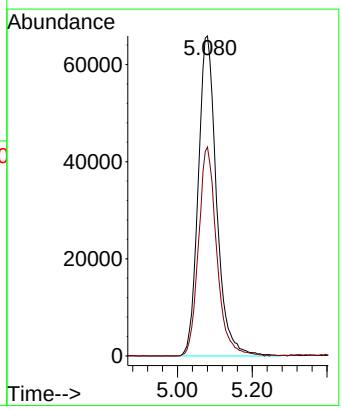


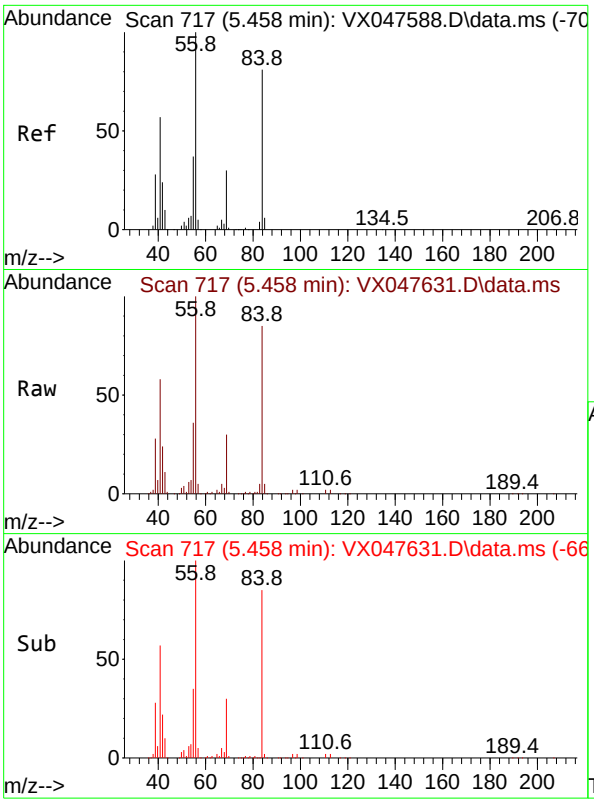


#30
Chloroform
Concen: 48.949 ug/l
RT: 5.080 min Scan# 655
Delta R.T. -0.000 min
Lab File: VX047631.D
Acq: 18 Sep 2025 11:30

Tgt Ion: 83 Resp: 223876

Ion	Ratio	Lower	Upper
83	100		
85	66.6	51.8	77.6



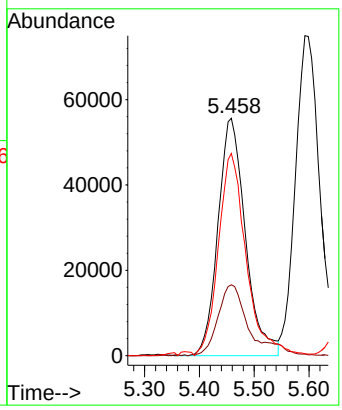


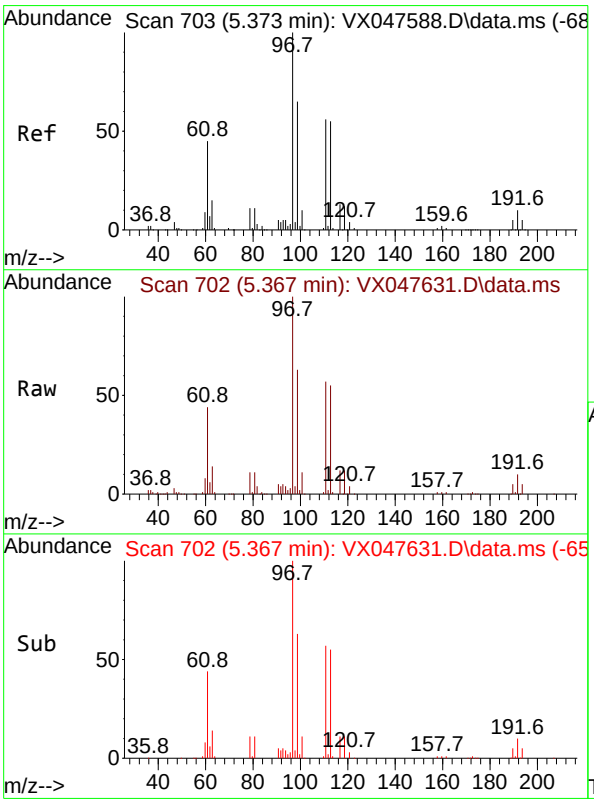
#31
Cyclohexane
Concen: 51.284 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047631.D
Acq: 18 Sep 2025 11:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 56 Resp: 193321

Ion	Ratio	Lower	Upper
56	100		
69	29.4	23.8	35.8
84	84.8	64.6	97.0

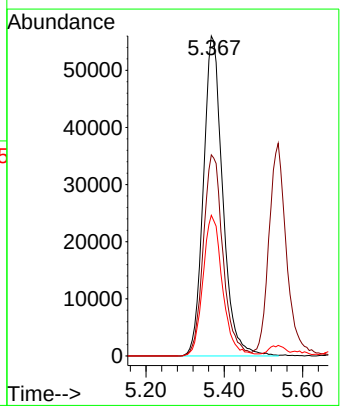


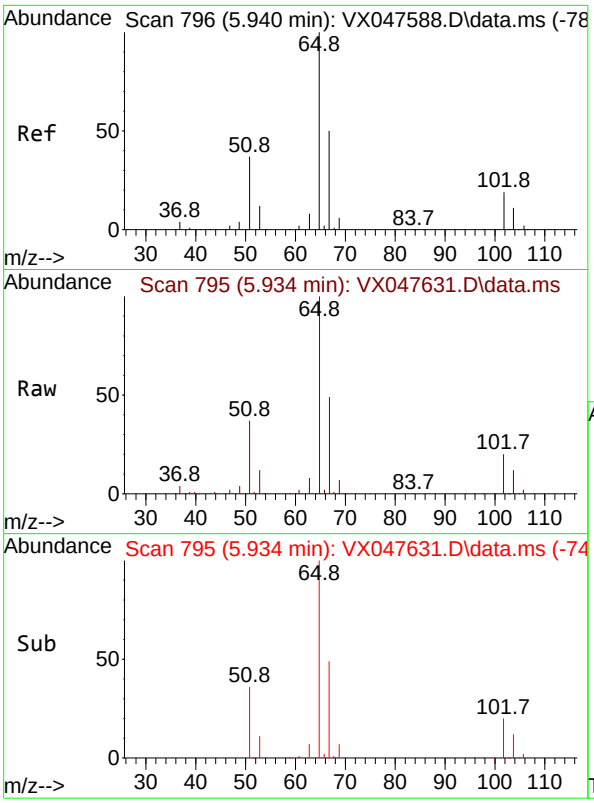


#32
1,1,1-Trichloroethane
Concen: 49.409 ug/l
RT: 5.367 min Scan# 702
Delta R.T. -0.006 min
Lab File: VX047631.D
Acq: 18 Sep 2025 11:30

Tgt Ion: 97 Resp: 191681

Ion	Ratio	Lower	Upper
97	100		
99	64.0	50.6	76.0
61	44.5	35.8	53.8



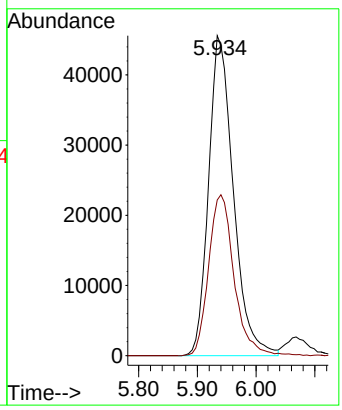


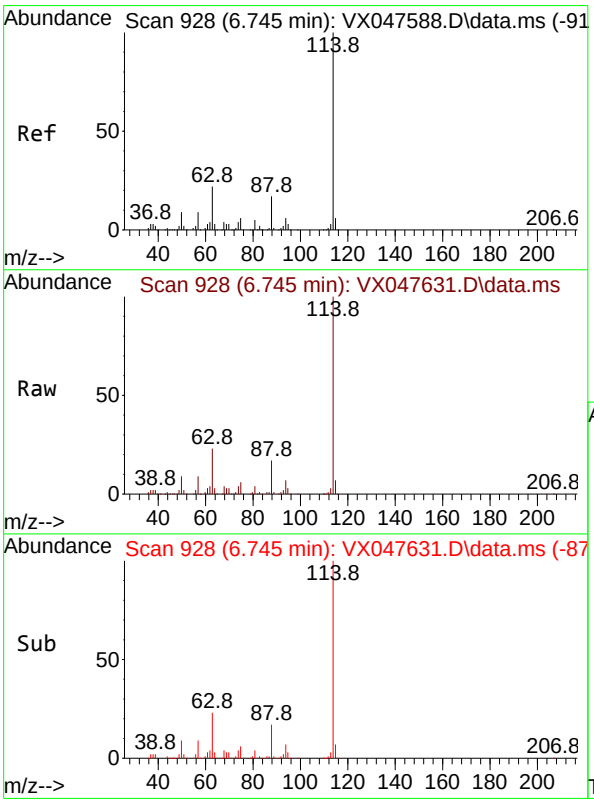
#33
1,2-Dichloroethane-d4
Concen: 46.801 ug/l
RT: 5.934 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047631.D
Acq: 18 Sep 2025 11:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 65 Resp: 133509

Ion	Ratio	Lower	Upper
65	100		
67	51.8	0.0	103.0

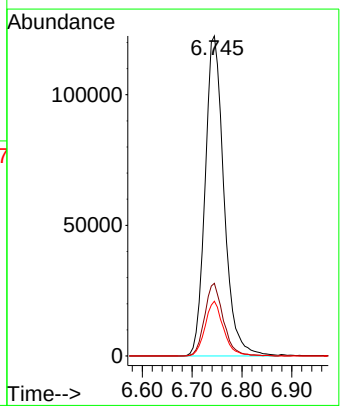


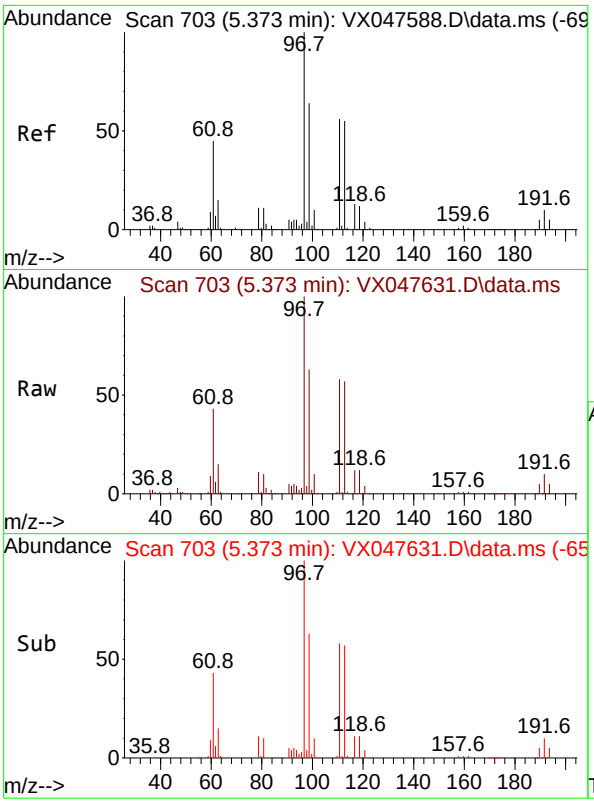


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 928
Delta R.T. -0.000 min
Lab File: VX047631.D
Acq: 18 Sep 2025 11:30

Tgt Ion:114 Resp: 321960

Ion	Ratio	Lower	Upper
114	100		
63	22.7	0.0	44.0
88	17.1	0.0	34.2



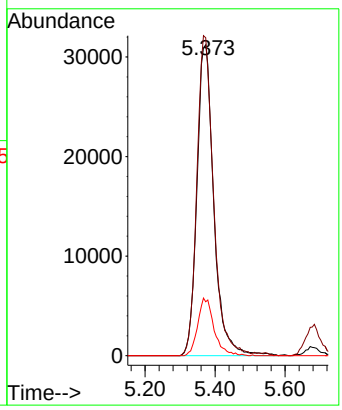


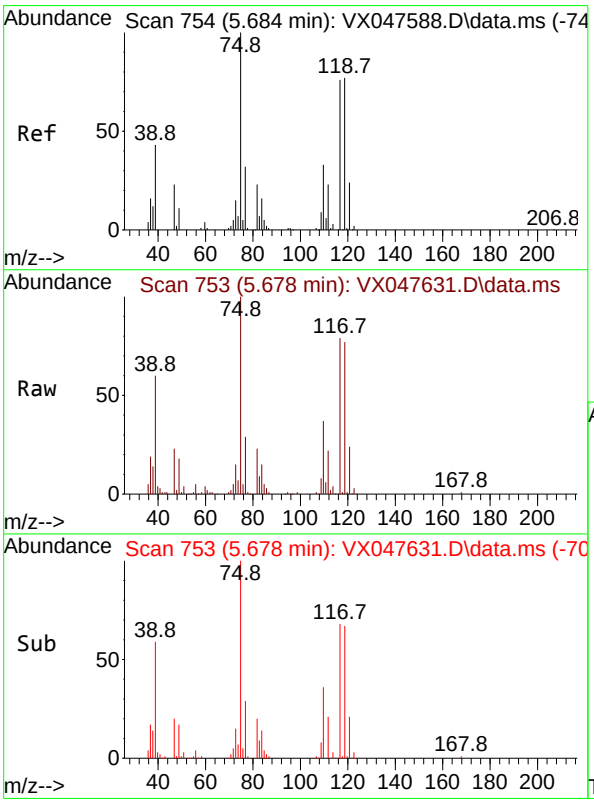
#35
Dibromofluoromethane
Concen: 48.394 ug/l
RT: 5.373 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047631.D
Acq: 18 Sep 2025 11:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:113 Resp: 104494

Ion	Ratio	Lower	Upper
113	100		
111	101.3	80.9	121.3
192	17.8	14.2	21.4

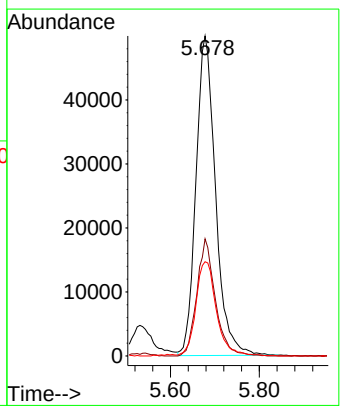


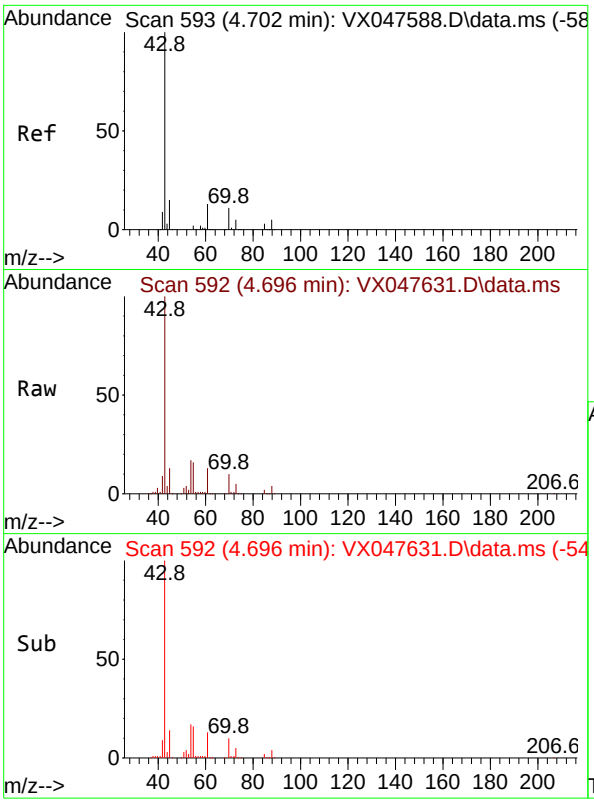


#36
1,1-Dichloropropene
Concen: 48.444 ug/l
RT: 5.678 min Scan# 753
Delta R.T. -0.006 min
Lab File: VX047631.D
Acq: 18 Sep 2025 11:30

Tgt Ion: 75 Resp: 152850

Ion	Ratio	Lower	Upper
75	100		
110	34.6	16.7	50.1
77	30.6	24.3	36.5



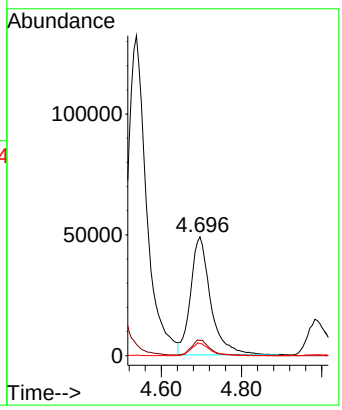


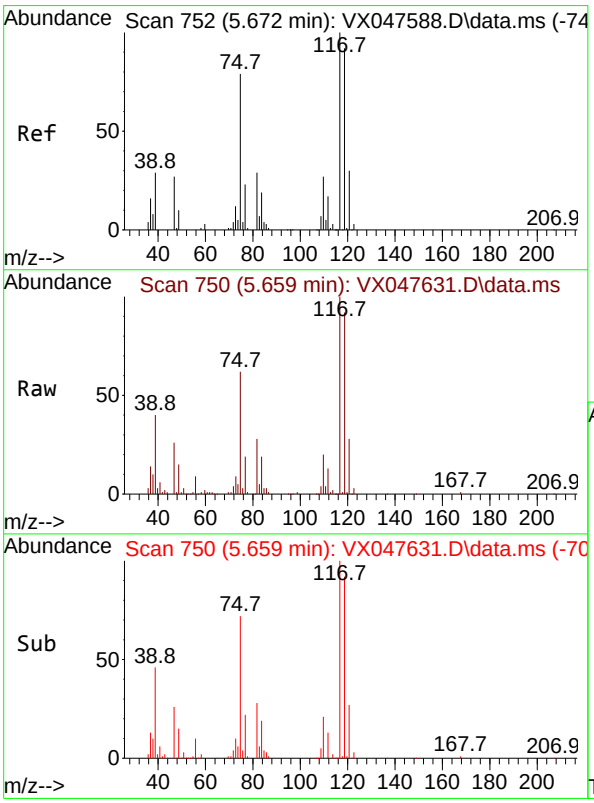
#37
Ethyl Acetate
Concen: 50.149 ug/l
RT: 4.696 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX047631.D
Acq: 18 Sep 2025 11:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 169417

Ion	Ratio	Lower	Upper
43	100		
61	13.0	9.8	14.8
70	10.0	7.9	11.9

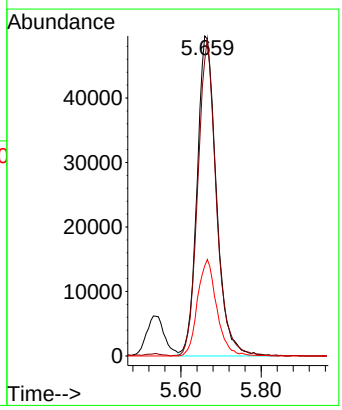


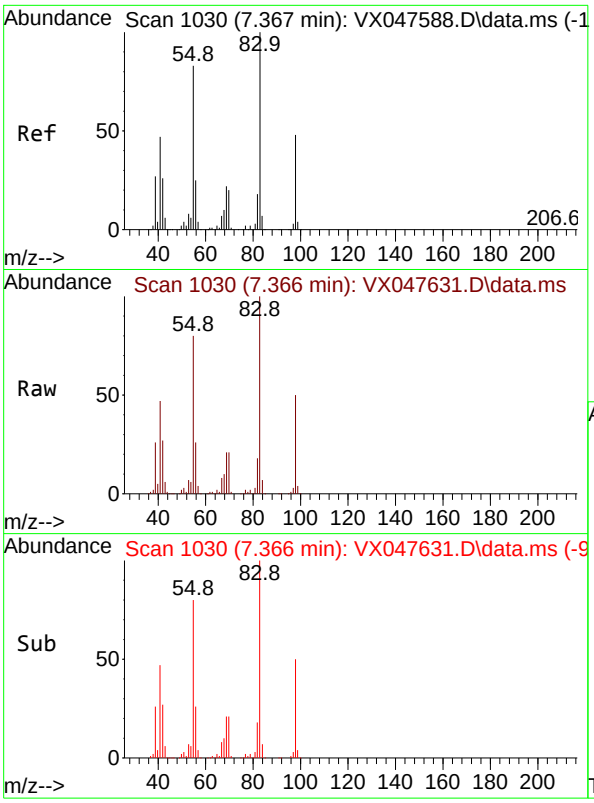


#38
Carbon Tetrachloride
Concen: 48.248 ug/l
RT: 5.659 min Scan# 750
Delta R.T. -0.012 min
Lab File: VX047631.D
Acq: 18 Sep 2025 11:30

Tgt Ion:117 Resp: 165399

Ion	Ratio	Lower	Upper
117	100		
119	92.3	73.4	110.2
121	28.2	23.8	35.6



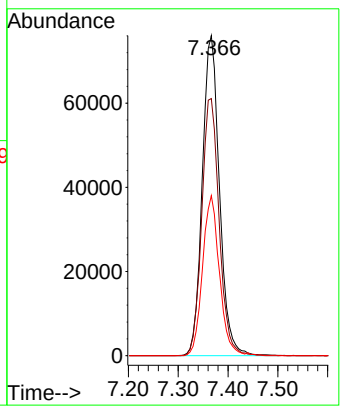


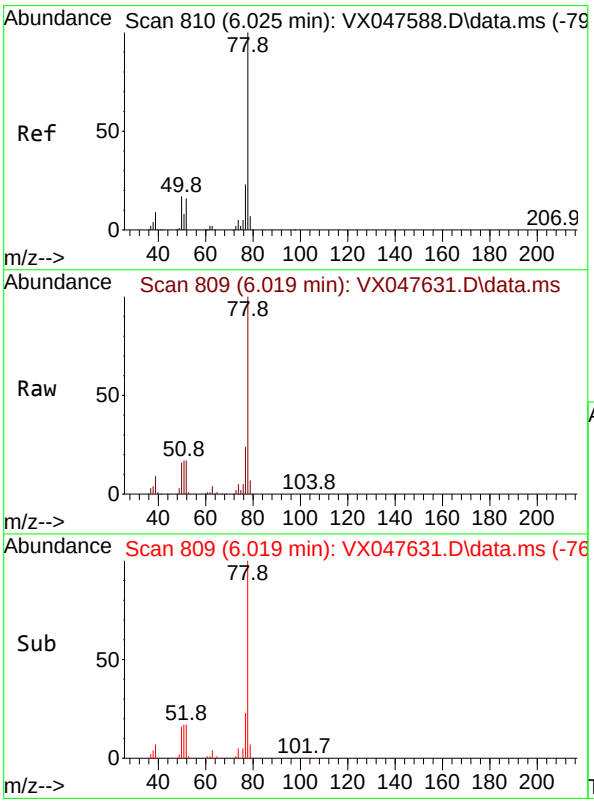
#39
Methylcyclohexane
Concen: 50.786 ug/l
RT: 7.366 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047631.D
Acq: 18 Sep 2025 11:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 181893

Ion	Ratio	Lower	Upper
83	100		
55	80.3	66.4	99.6
98	50.0	38.1	57.1

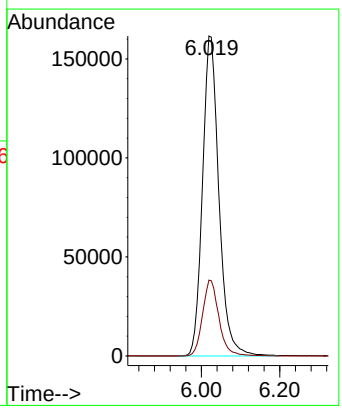


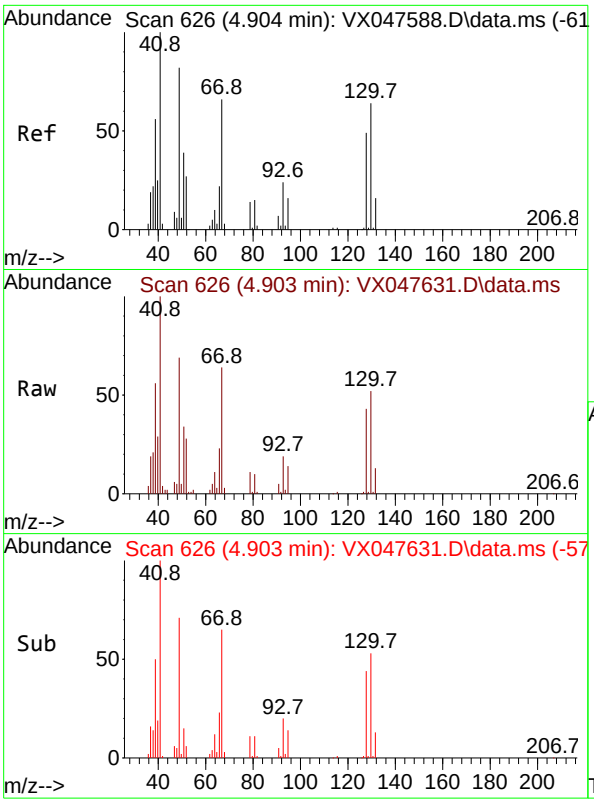


#40
Benzene
Concen: 48.975 ug/l
RT: 6.019 min Scan# 809
Delta R.T. -0.006 min
Lab File: VX047631.D
Acq: 18 Sep 2025 11:30

Tgt Ion: 78 Resp: 469333

Ion	Ratio	Lower	Upper
78	100		
77	23.7	18.8	28.2



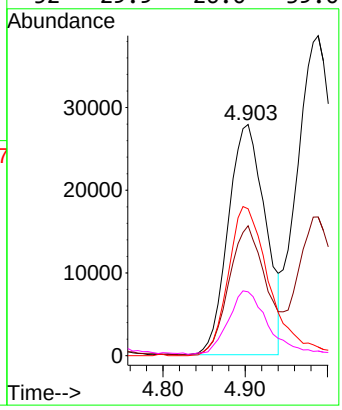


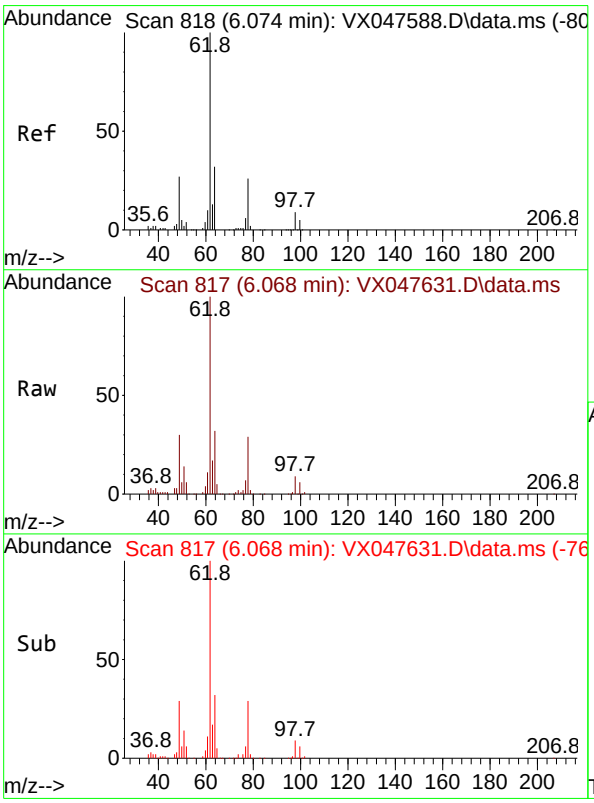
#41
Methacrylonitrile
Concen: 50.282 ug/l
RT: 4.903 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX047631.D
Acq: 18 Sep 2025 11:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 41 Resp: 87695

Ion	Ratio	Lower	Upper
41	100		
39	56.8	43.3	64.9
67	73.5	58.6	87.8
52	29.9	26.0	39.0

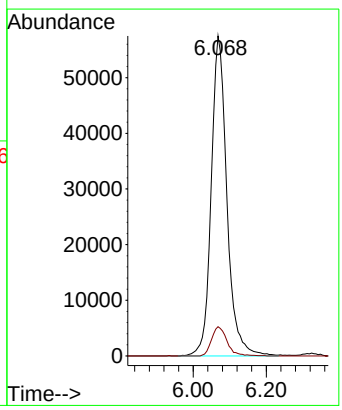


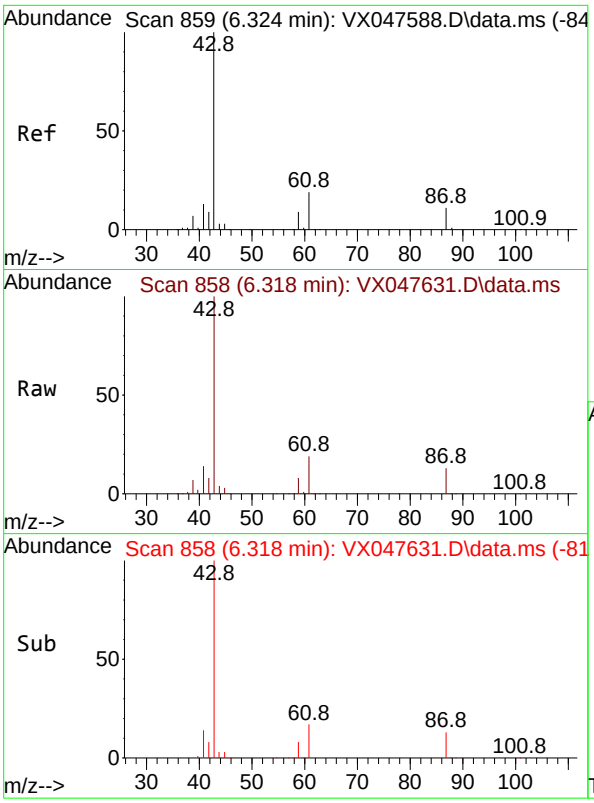


#42
1,2-Dichloroethane
Concen: 46.941 ug/l
RT: 6.068 min Scan# 817
Delta R.T. -0.006 min
Lab File: VX047631.D
Acq: 18 Sep 2025 11:30

Tgt Ion: 62 Resp: 171157

Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	17.0



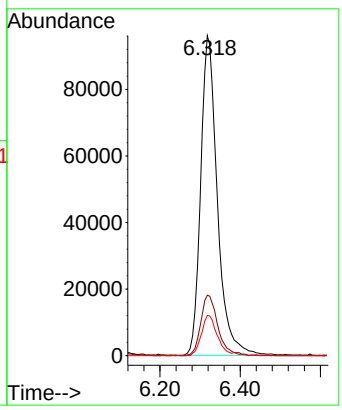


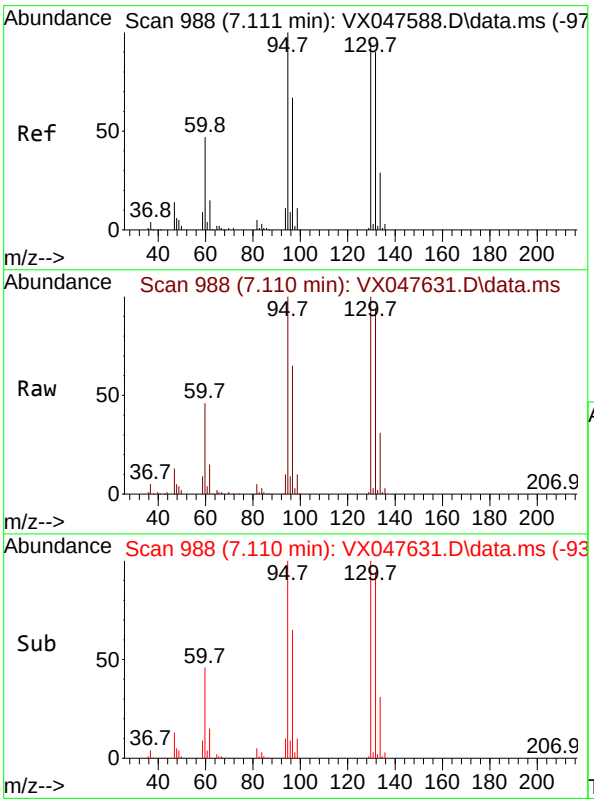
#43
Isopropyl Acetate
Concen: 50.094 ug/l
RT: 6.318 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX047631.D
Acq: 18 Sep 2025 11:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 277550

Ion	Ratio	Lower	Upper
43	100		
61	19.4	15.2	22.8
87	12.3	9.6	14.4

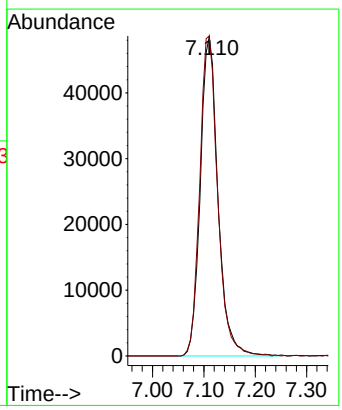


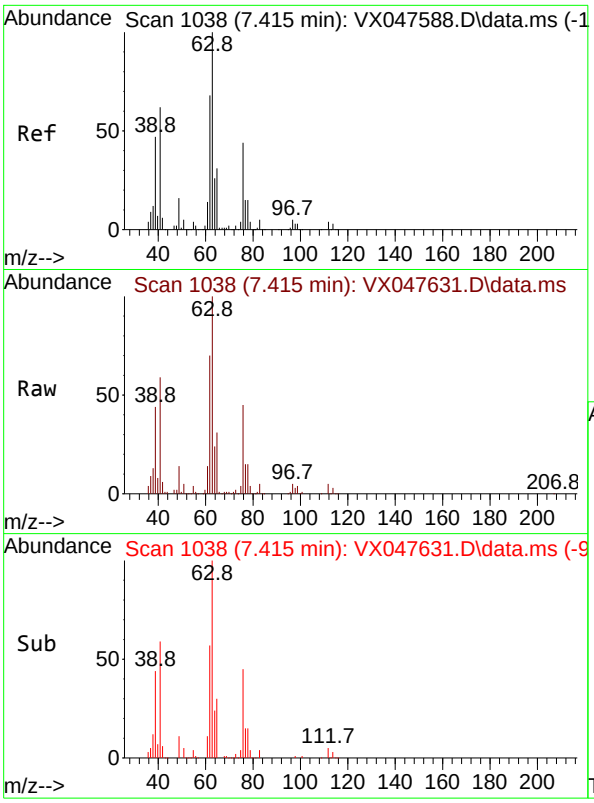


#44
Trichloroethene
Concen: 50.110 ug/l
RT: 7.110 min Scan# 988
Delta R.T. -0.000 min
Lab File: VX047631.D
Acq: 18 Sep 2025 11:30

Tgt Ion:130 Resp: 116097

Ion	Ratio	Lower	Upper
130	100		
95	100.2	0.0	210.8



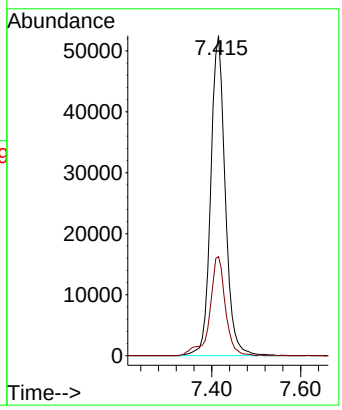


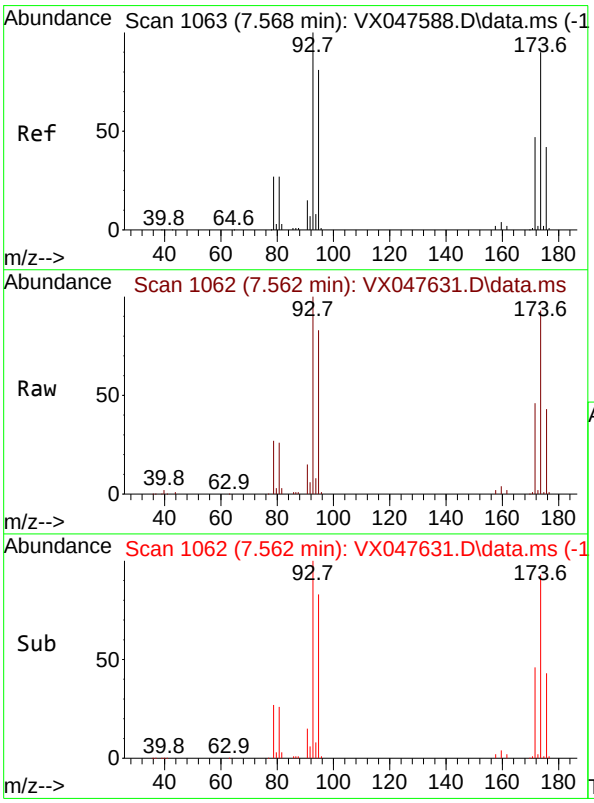
#45
1,2-Dichloropropane
Concen: 48.532 ug/l
RT: 7.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047631.D
Acq: 18 Sep 2025 11:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 63 Resp: 119090

Ion	Ratio	Lower	Upper
63	100		
65	31.0	24.7	37.1

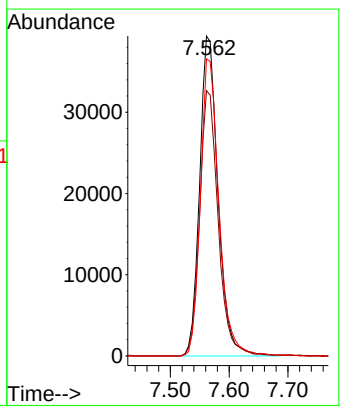


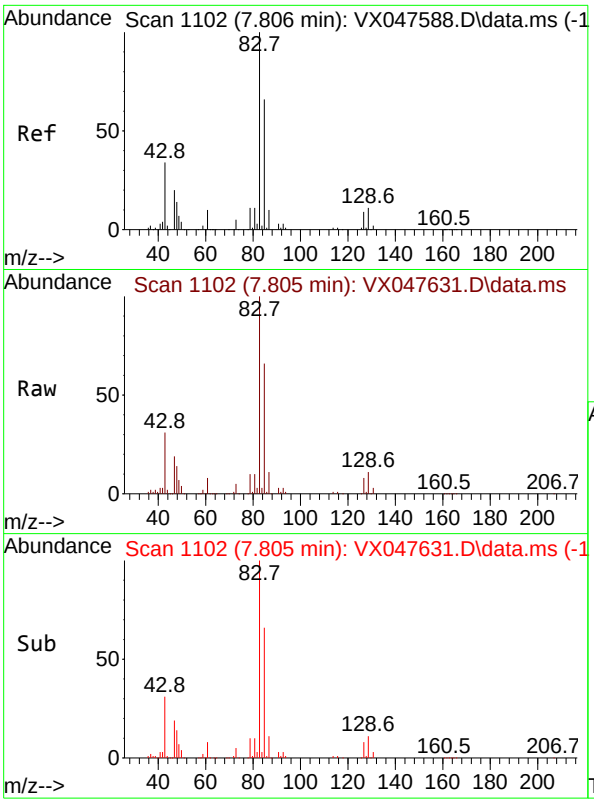


#46
Dibromomethane
Concen: 47.980 ug/l
RT: 7.562 min Scan# 1062
Delta R.T. -0.006 min
Lab File: VX047631.D
Acq: 18 Sep 2025 11:30

Tgt Ion: 93 Resp: 85677

Ion	Ratio	Lower	Upper
93	100		
95	83.9	65.0	97.6
174	93.7	71.6	107.4



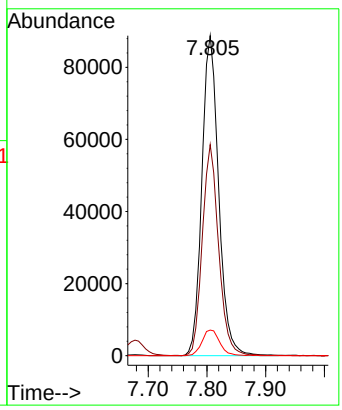


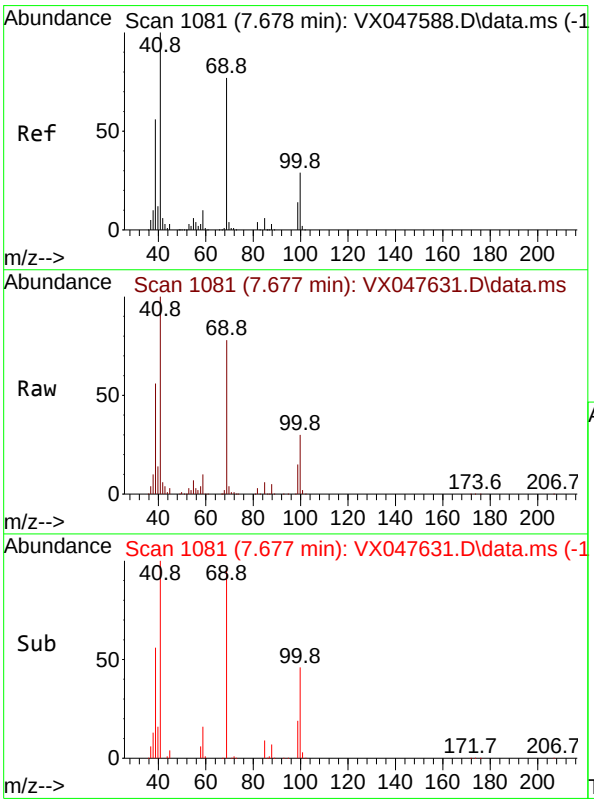
#47
Bromodichloromethane
Concen: 47.854 ug/l
RT: 7.805 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX047631.D
Acq: 18 Sep 2025 11:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 176333

Ion	Ratio	Lower	Upper
83	100		
85	65.9	52.5	78.7
127	8.0	6.9	10.3

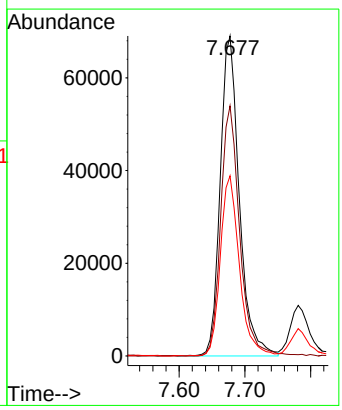


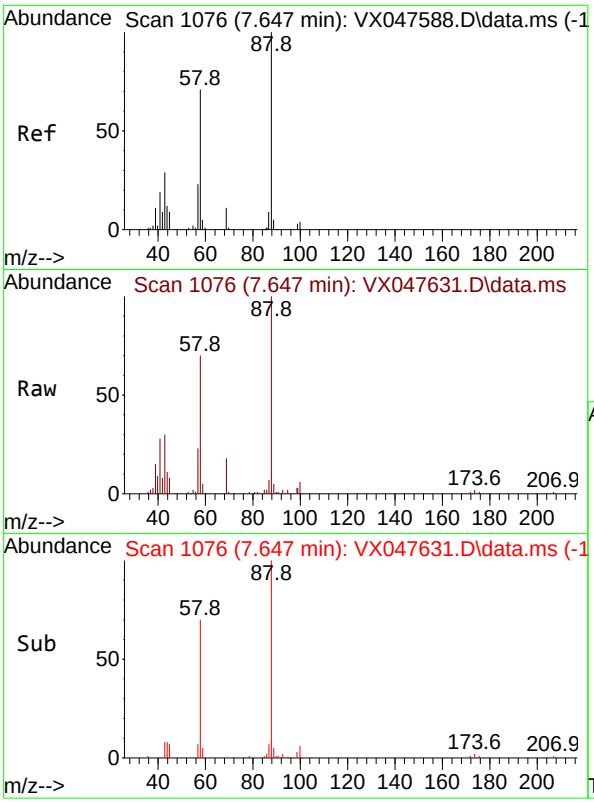


#48
Methyl methacrylate
Concen: 50.581 ug/l
RT: 7.677 min Scan# 1081
Delta R.T. -0.000 min
Lab File: VX047631.D
Acq: 18 Sep 2025 11:30

Tgt Ion: 41 Resp: 139596

Ion	Ratio	Lower	Upper
41	100		
69	78.1	61.4	92.2
39	56.1	45.8	68.6



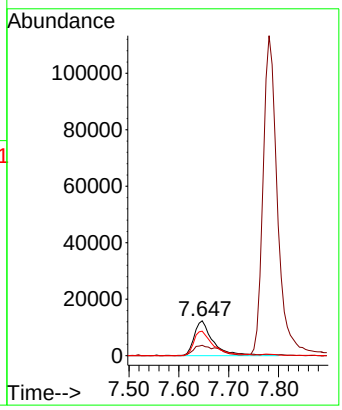


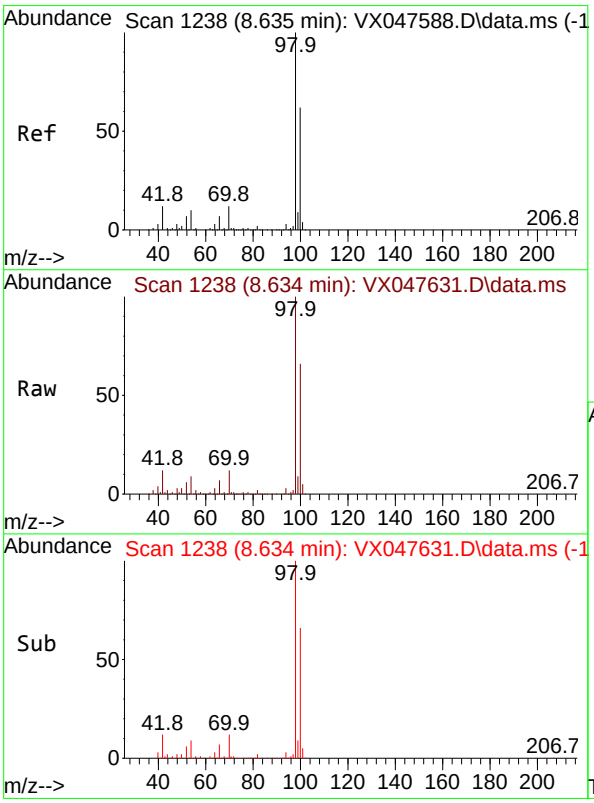
#49
1,4-Dioxane
Concen: 1171.777 ug/l
RT: 7.647 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047631.D
Acq: 18 Sep 2025 11:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 88 Resp: 32682

Ion	Ratio	Lower	Upper
88	100		
43	39.3	30.2	45.2
58	72.5	59.5	89.3

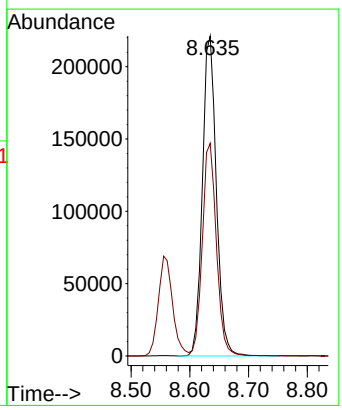


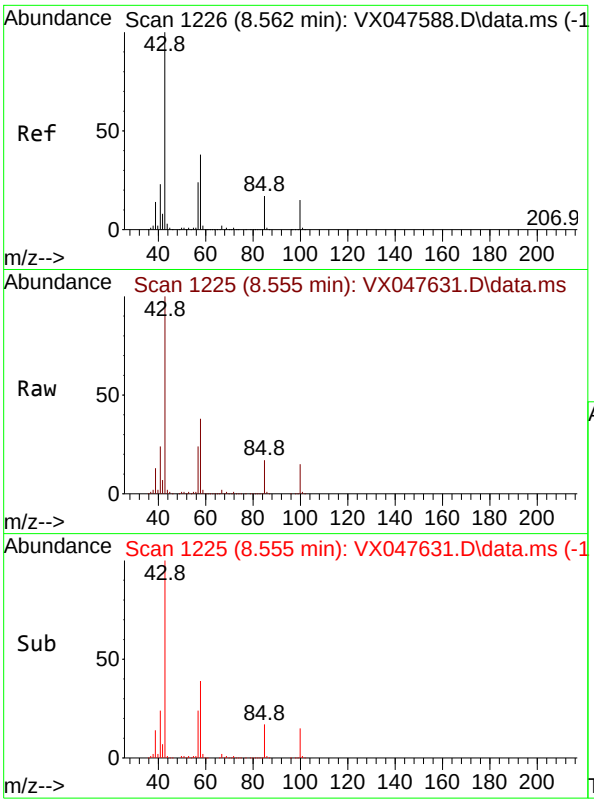


#50
Toluene-d8
Concen: 48.919 ug/l
RT: 8.634 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX047631.D
Acq: 18 Sep 2025 11:30

Tgt Ion: 98 Resp: 365497

Ion	Ratio	Lower	Upper
98	100		
100	67.1	53.0	79.4



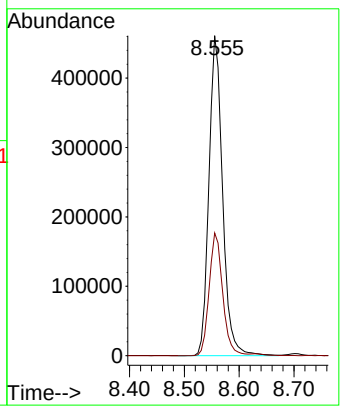


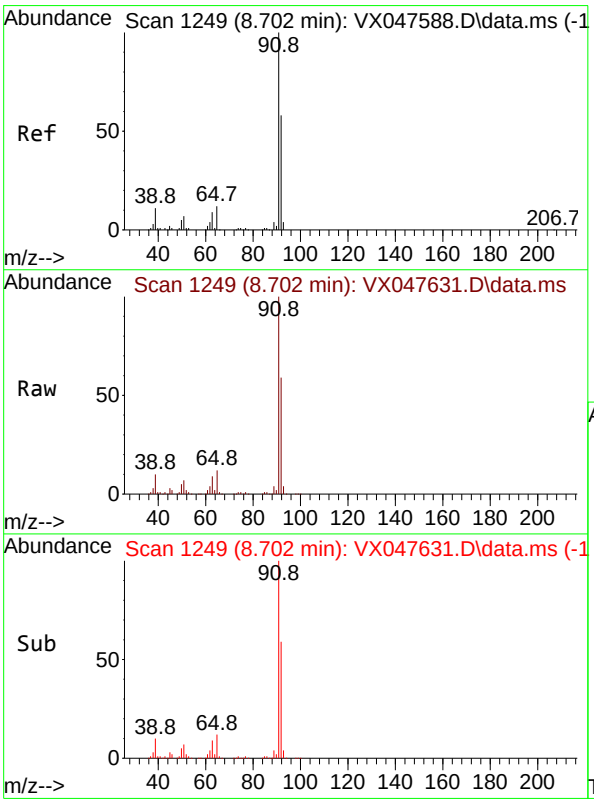
#51
4-Methyl-2-Pentanone
Concen: 258.300 ug/l
RT: 8.555 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047631.D
Acq: 18 Sep 2025 11:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 793483

Ion	Ratio	Lower	Upper
43	100		
58	38.1	30.3	45.5

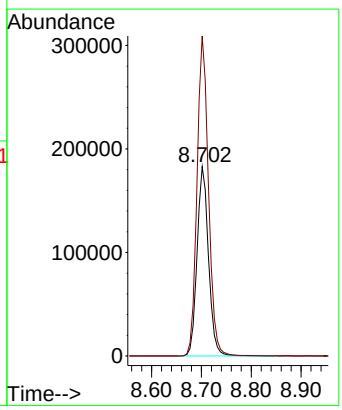


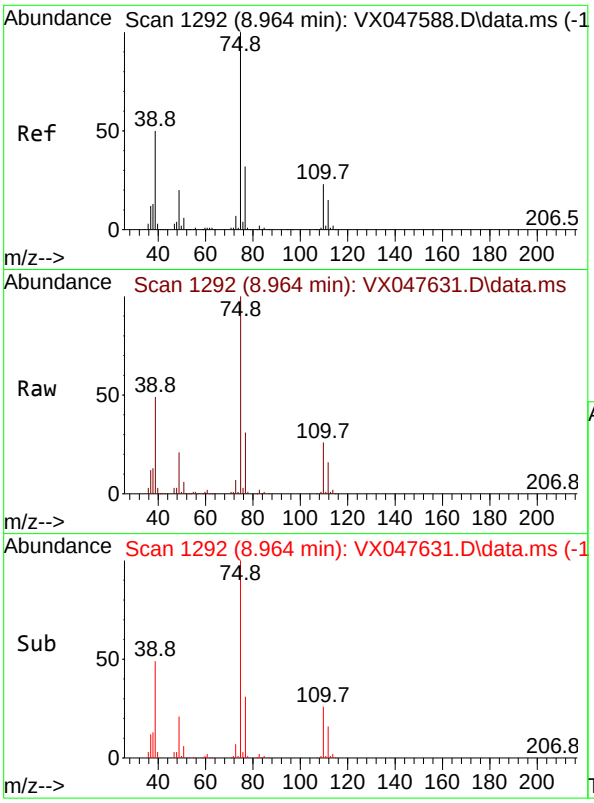


#52
Toluene
Concen: 49.210 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX047631.D
Acq: 18 Sep 2025 11:30

Tgt Ion: 92 Resp: 290542

Ion	Ratio	Lower	Upper
92	100		
91	169.5	137.1	205.7



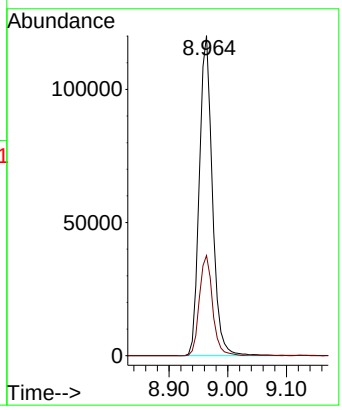


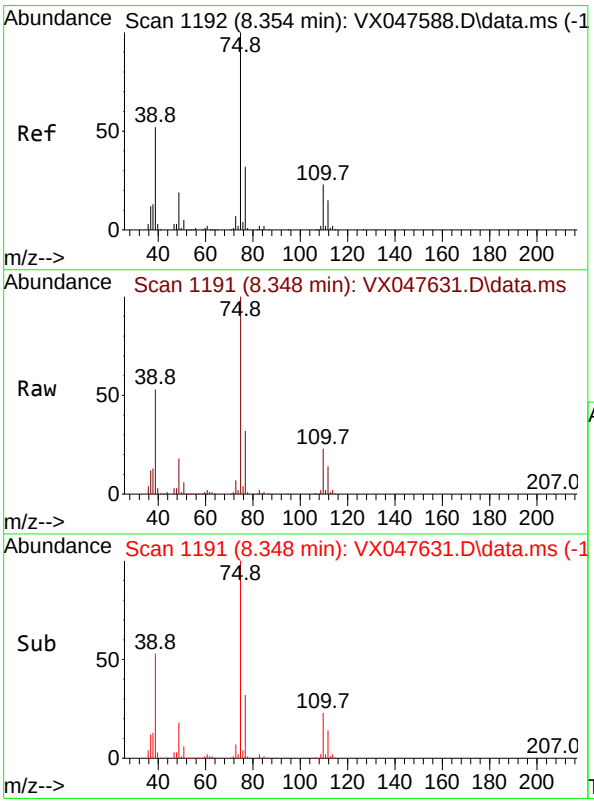
#53
t-1,3-Dichloropropene
Concen: 49.152 ug/l
RT: 8.964 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047631.D
Acq: 18 Sep 2025 11:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 184740

Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.4	38.2

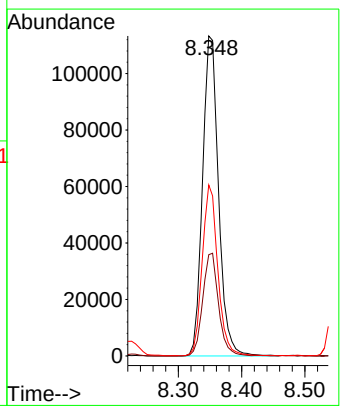


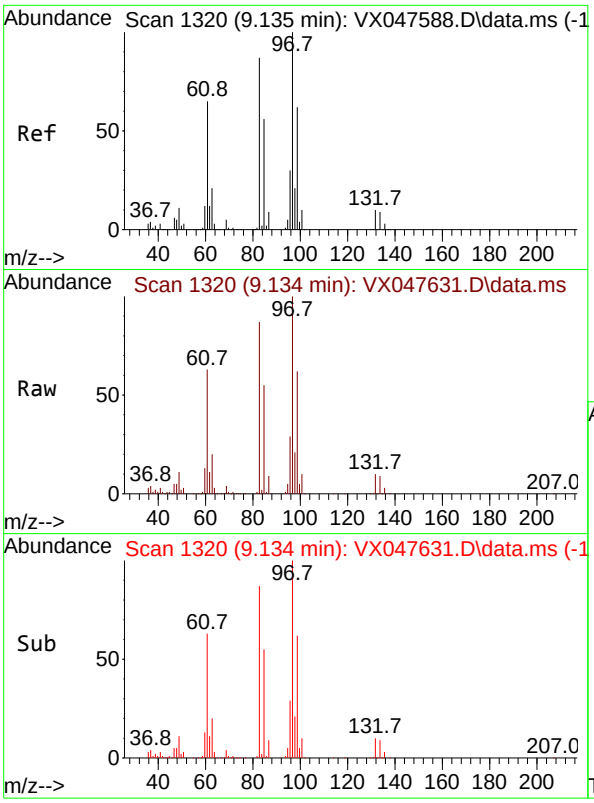


#54
cis-1,3-Dichloropropene
Concen: 49.652 ug/l
RT: 8.348 min Scan# 1191
Delta R.T. -0.006 min
Lab File: VX047631.D
Acq: 18 Sep 2025 11:30

Tgt Ion: 75 Resp: 199468

Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.8	38.6
39	53.3	41.4	62.2



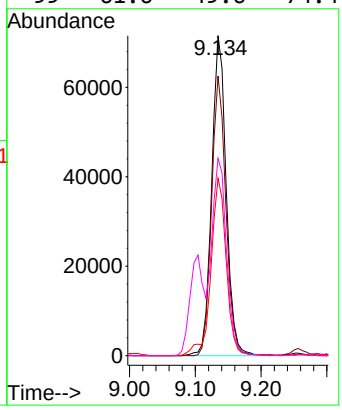


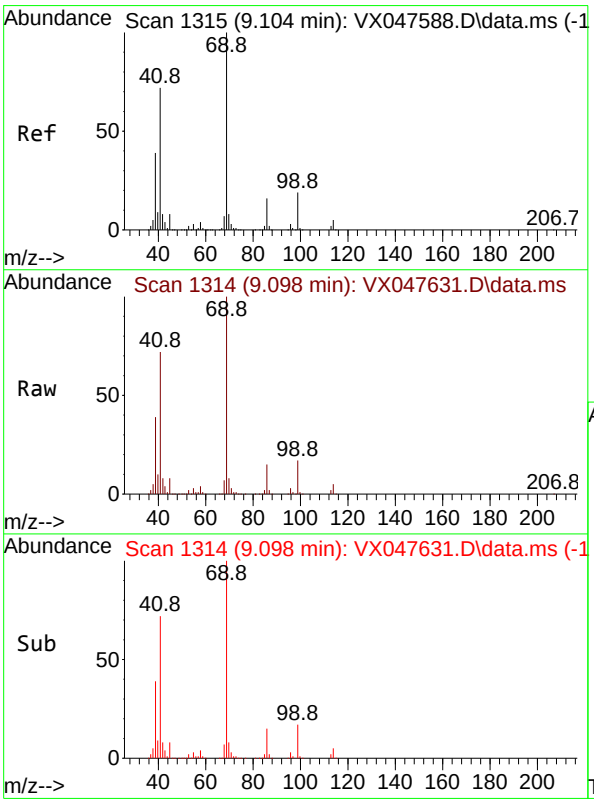
#55
1,1,2-Trichloroethane
Concen: 48.359 ug/l
RT: 9.134 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047631.D
Acq: 18 Sep 2025 11:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 97 Resp: 110094

Ion	Ratio	Lower	Upper
97	100		
83	87.3	69.6	104.4
85	55.3	45.0	67.6
99	61.6	49.6	74.4

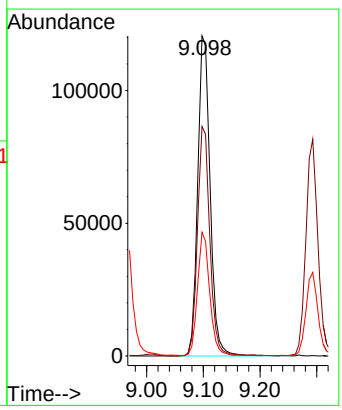


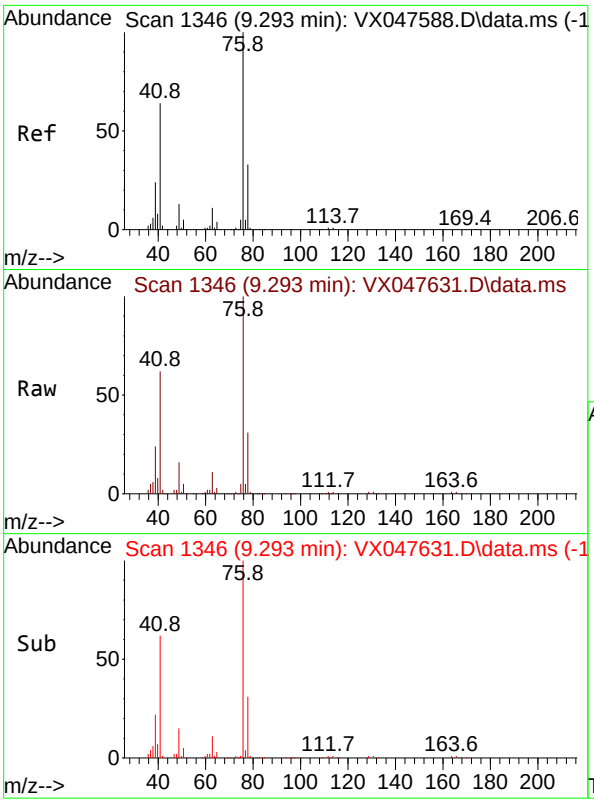


#56
Ethyl methacrylate
Concen: 51.260 ug/l
RT: 9.098 min Scan# 1314
Delta R.T. -0.006 min
Lab File: VX047631.D
Acq: 18 Sep 2025 11:30

Tgt Ion: 69 Resp: 183269

Ion	Ratio	Lower	Upper
69	100		
41	71.3	58.6	87.8
39	38.0	31.5	47.3



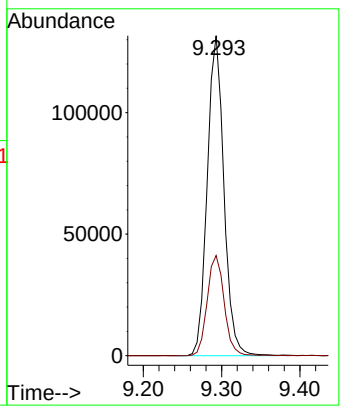


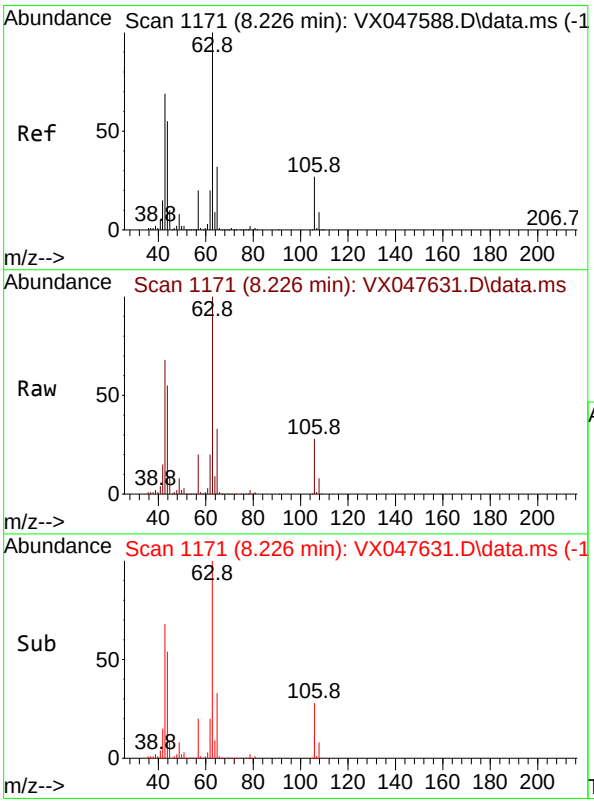
#57
1,3-Dichloropropane
Concen: 49.591 ug/l
RT: 9.293 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047631.D
Acq: 18 Sep 2025 11:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 193940

Ion	Ratio	Lower	Upper
76	100		
78	31.9	26.2	39.4

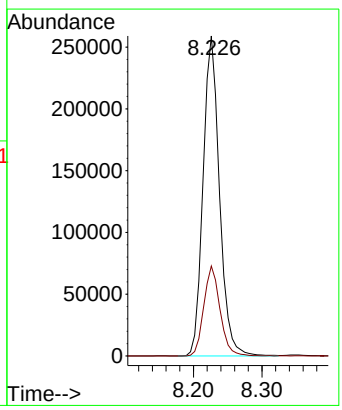


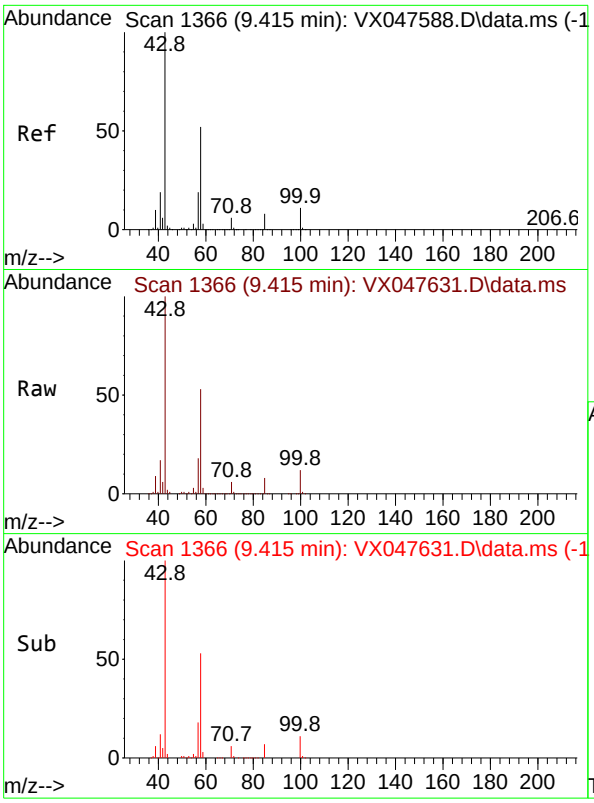


#58
2-Chloroethyl Vinyl ether
Concen: 252.582 ug/l
RT: 8.226 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VX047631.D
Acq: 18 Sep 2025 11:30

Tgt Ion: 63 Resp: 431737

Ion	Ratio	Lower	Upper
63	100		
106	27.8	21.9	32.9



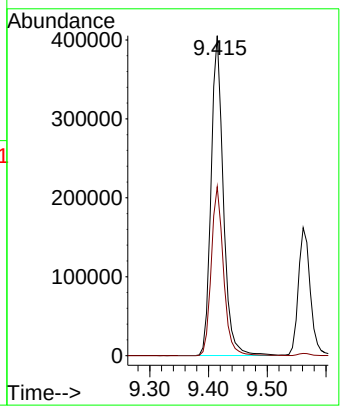


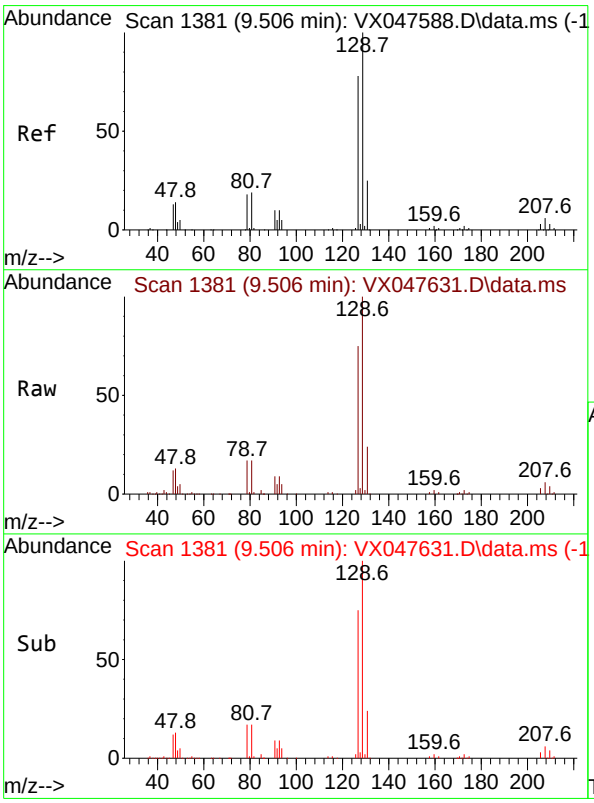
#59
2-Hexanone
Concen: 265.979 ug/l
RT: 9.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047631.D
Acq: 18 Sep 2025 11:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 586823

Ion	Ratio	Lower	Upper
43	100		
58	53.0	26.1	78.2

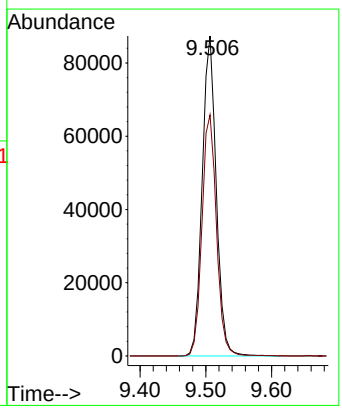


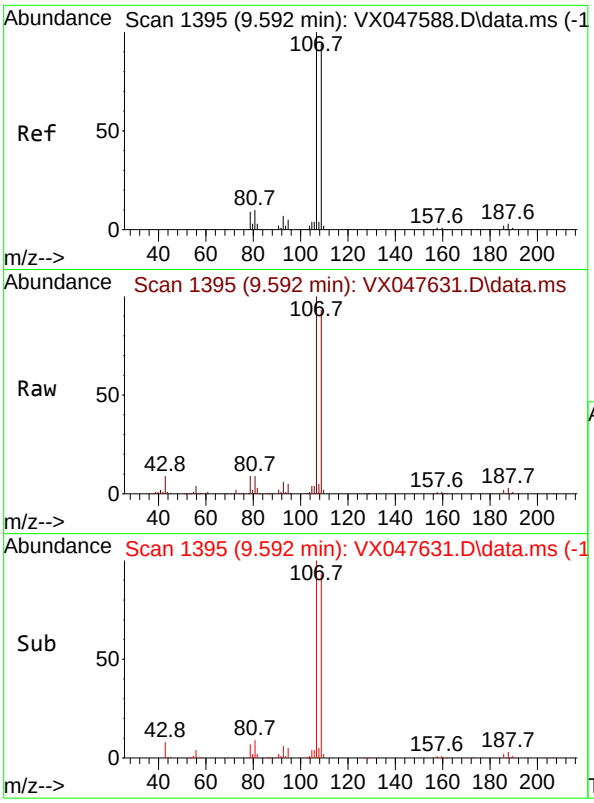


#60
Dibromochloromethane
Concen: 49.448 ug/l
RT: 9.506 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VX047631.D
Acq: 18 Sep 2025 11:30

Tgt Ion:129 Resp: 129710

Ion	Ratio	Lower	Upper
129	100		
127	77.9	38.4	115.2



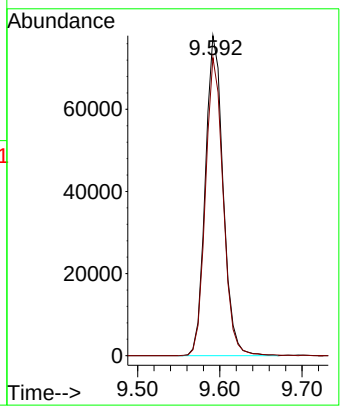


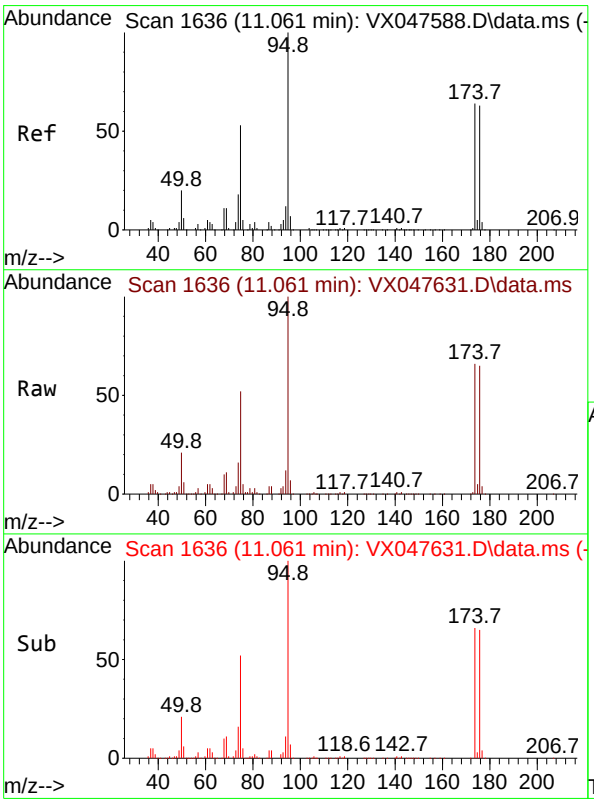
#61
1,2-Dibromoethane
Concen: 50.547 ug/l
RT: 9.592 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047631.D
Acq: 18 Sep 2025 11:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:107 Resp: 117208

Ion	Ratio	Lower	Upper
107	100		
109	92.9	75.3	112.9

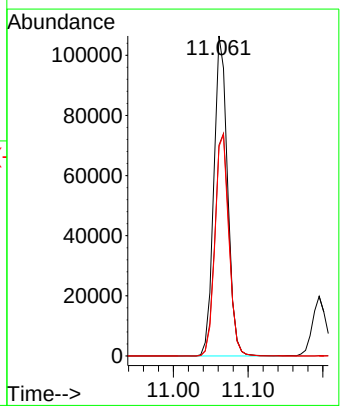


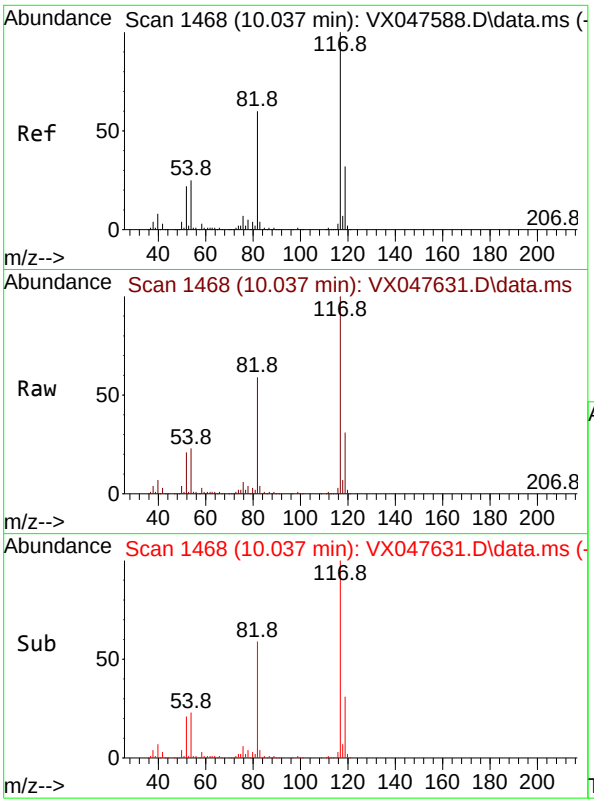


#62
4-Bromofluorobenzene
Concen: 47.883 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX047631.D
Acq: 18 Sep 2025 11:30

Tgt Ion: 95 Resp: 135773

Ion	Ratio	Lower	Upper
95	100		
174	71.8	0.0	141.6
176	69.9	0.0	138.4



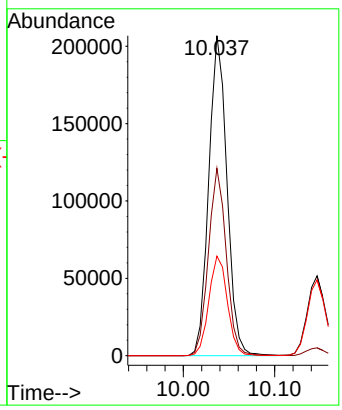


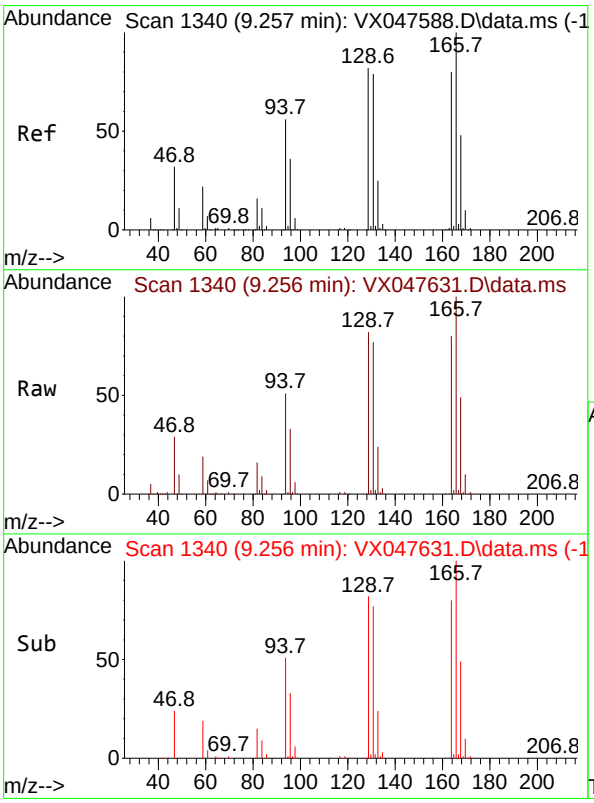
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047631.D
Acq: 18 Sep 2025 11:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:117 Resp: 285408

Ion	Ratio	Lower	Upper
117	100		
82	58.5	47.8	71.6
119	31.1	25.2	37.8

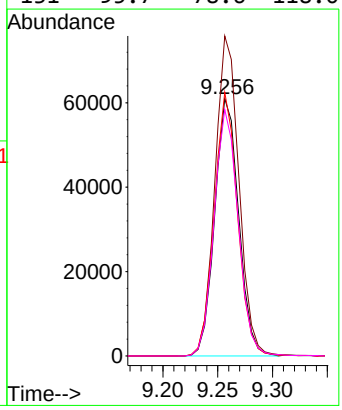


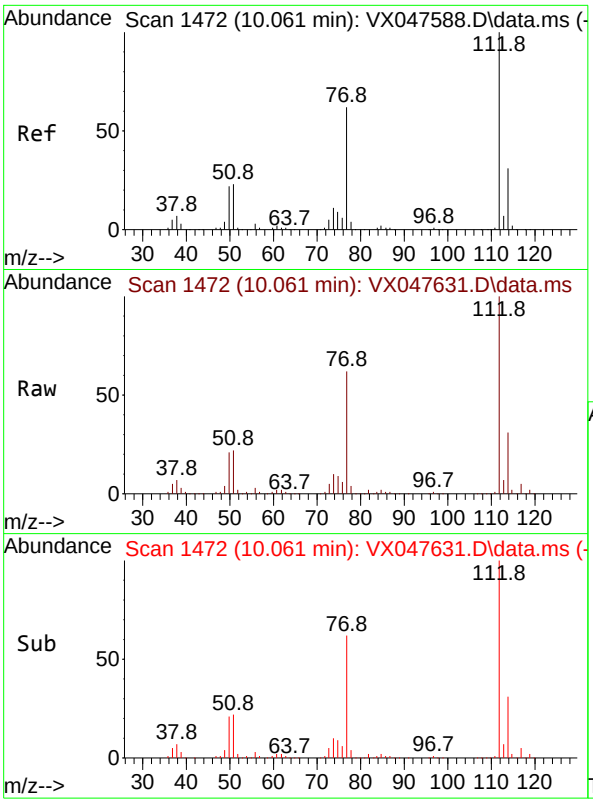


#64
Tetrachloroethene
Concen: 49.688 ug/l
RT: 9.256 min Scan# 1340
Delta R.T. -0.000 min
Lab File: VX047631.D
Acq: 18 Sep 2025 11:30

Tgt Ion:164 Resp: 92448

Ion	Ratio	Lower	Upper
164	100		
166	124.3	100.2	150.2
129	102.5	81.8	122.6
131	95.7	78.6	118.0



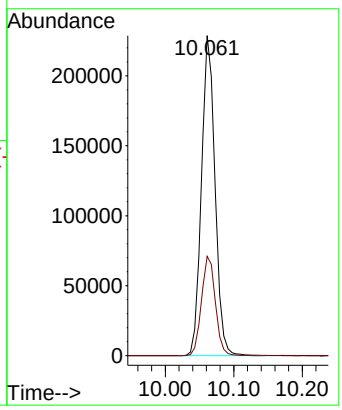


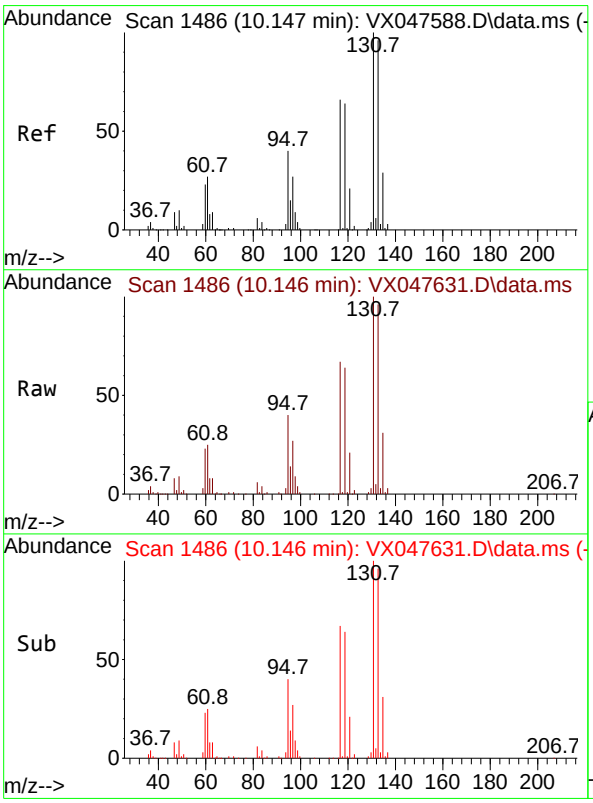
#65
Chlorobenzene
Concen: 48.658 ug/l
RT: 10.061 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047631.D
Acq: 18 Sep 2025 11:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:112 Resp: 315492

Ion	Ratio	Lower	Upper
112	100		
114	31.0	25.1	37.7

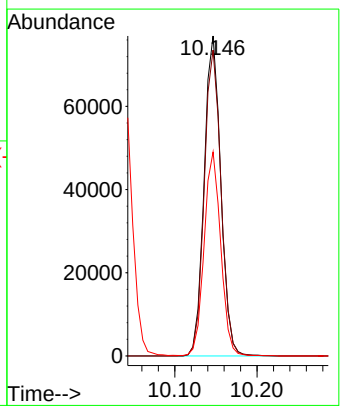


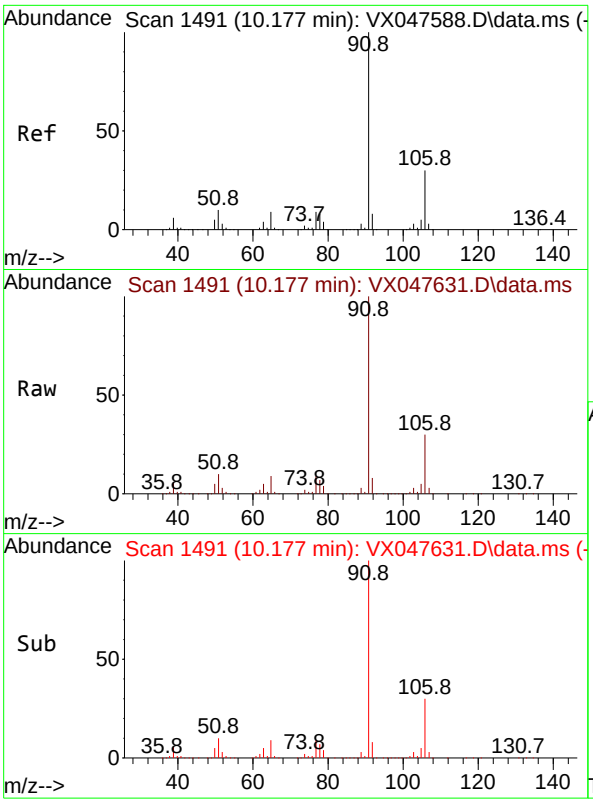


#66
1,1,1,2-Tetrachloroethane
Concen: 48.347 ug/l
RT: 10.146 min Scan# 1486
Delta R.T. -0.000 min
Lab File: VX047631.D
Acq: 18 Sep 2025 11:30

Tgt Ion:131 Resp: 108173

Ion	Ratio	Lower	Upper
131	100		
133	96.7	47.3	142.0
119	63.7	32.0	96.0



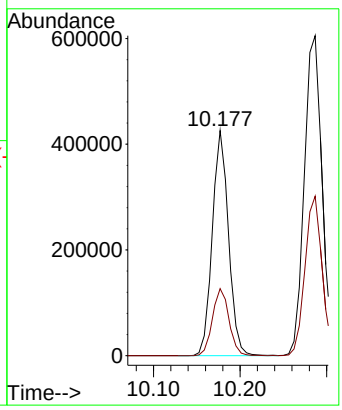


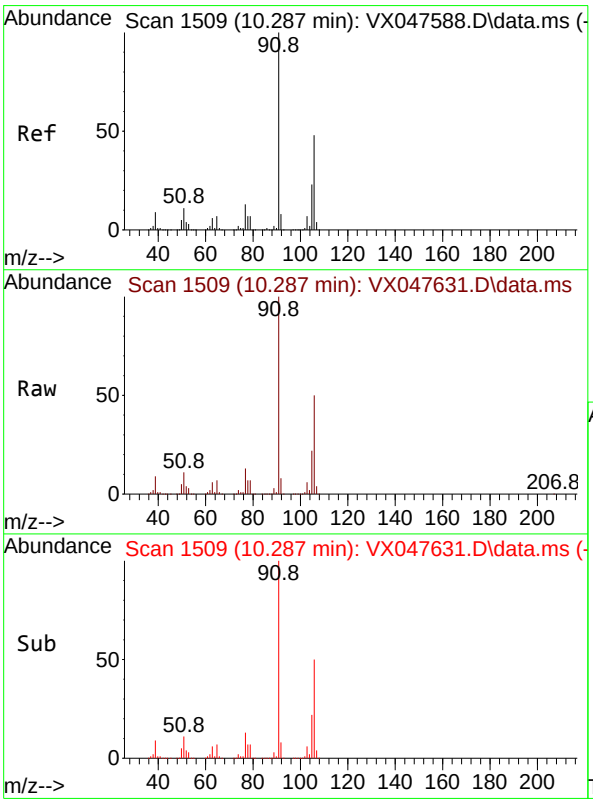
#67
Ethyl Benzene
Concen: 49.445 ug/l
RT: 10.177 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047631.D
Acq: 18 Sep 2025 11:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 553172

Ion	Ratio	Lower	Upper
91	100		
106	29.8	24.3	36.5

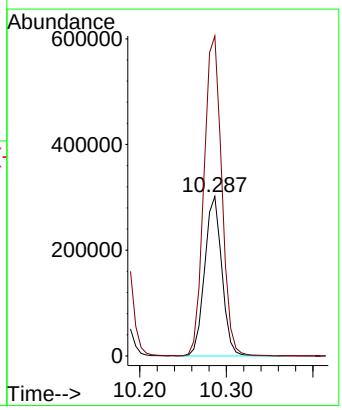


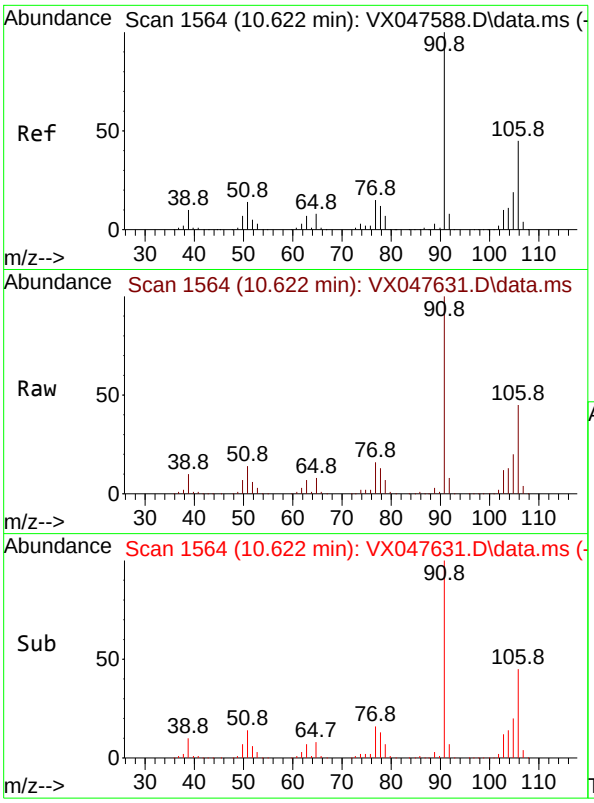


#68
m/p-Xylenes
Concen: 99.659 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VX047631.D
Acq: 18 Sep 2025 11:30

Tgt Ion:106 Resp: 414989

Ion	Ratio	Lower	Upper
106	100		
91	207.5	167.8	251.8



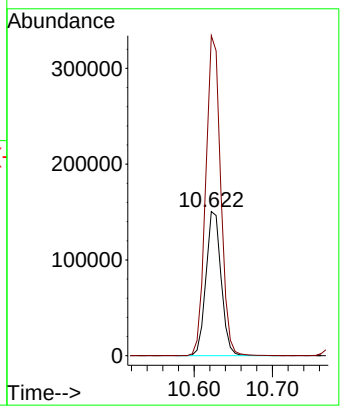


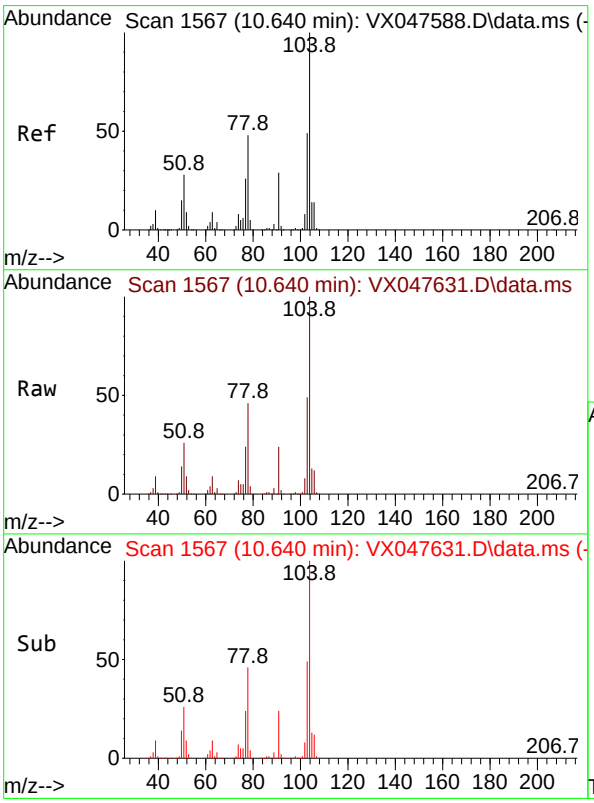
#69
o-Xylene
Concen: 50.060 ug/l
RT: 10.622 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047631.D
Acq: 18 Sep 2025 11:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:106 Resp: 201624

Ion	Ratio	Lower	Upper
106	100		
91	219.3	111.1	333.4

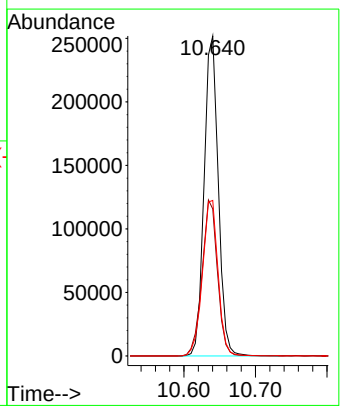


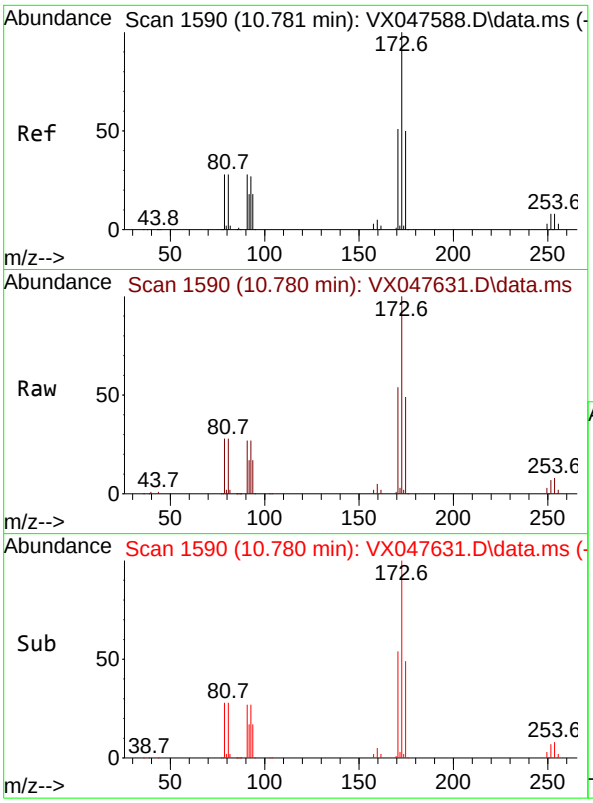


#70
Styrene
Concen: 49.233 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX047631.D
Acq: 18 Sep 2025 11:30

Tgt Ion:104 Resp: 347448

Ion	Ratio	Lower	Upper
104	100		
78	53.1	43.1	64.7
103	53.6	43.1	64.7



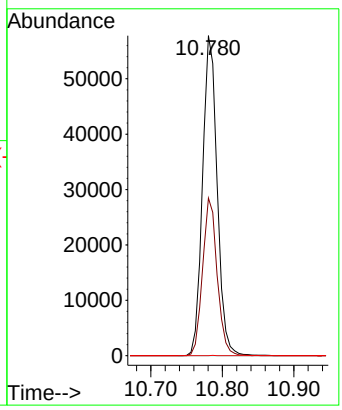


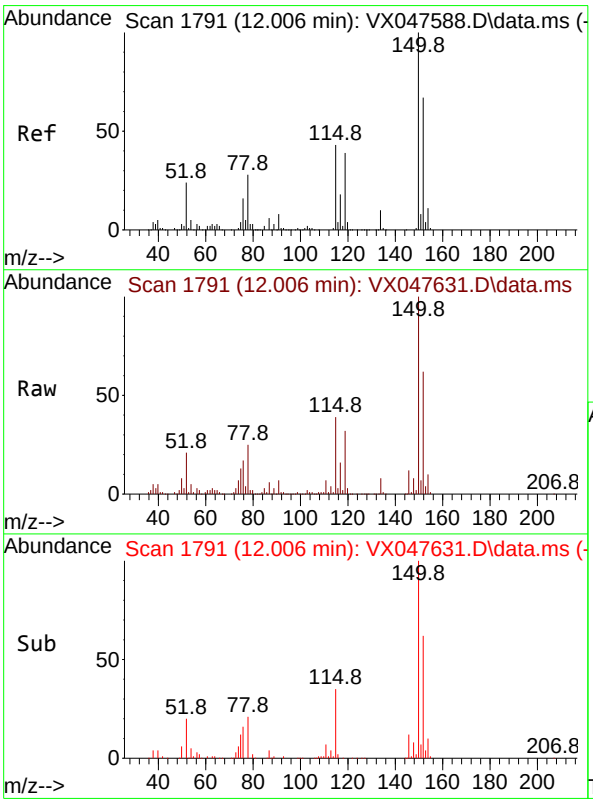
#71
Bromoform
Concen: 49.177 ug/l
RT: 10.780 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047631.D
Acq: 18 Sep 2025 11:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:173 Resp: 82158

Ion	Ratio	Lower	Upper
173	100		
175	49.0	24.9	74.6
254	0.0	0.1	0.1#

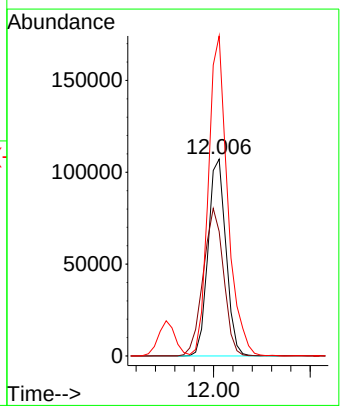


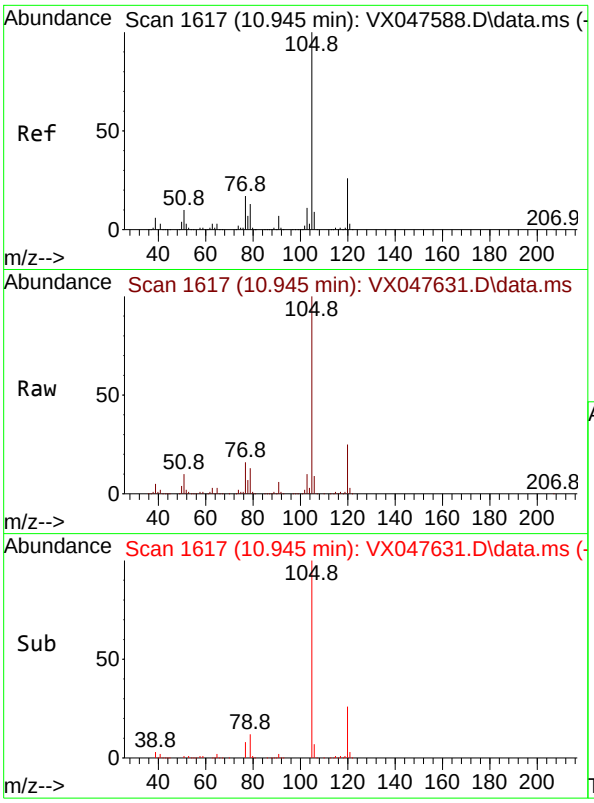


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047631.D
Acq: 18 Sep 2025 11:30

Tgt Ion:152 Resp: 137093

Ion	Ratio	Lower	Upper
152	100		
115	86.0	44.9	134.5
150	175.1	0.0	352.0



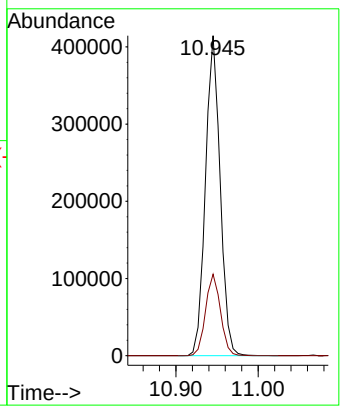


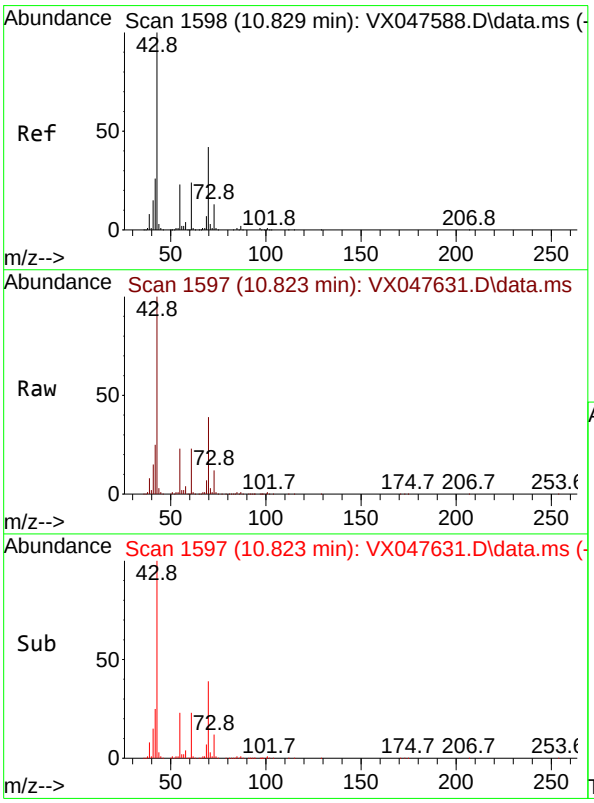
#73
Isopropylbenzene
Concen: 49.191 ug/l
RT: 10.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047631.D
Acq: 18 Sep 2025 11:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:105 Resp: 512701

Ion	Ratio	Lower	Upper
105	100		
120	25.8	12.8	38.4

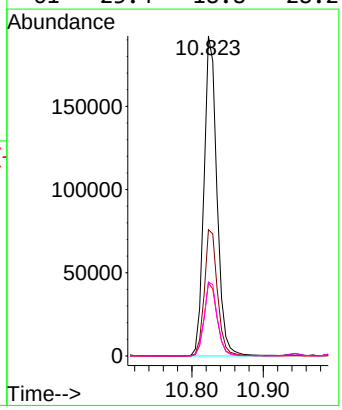


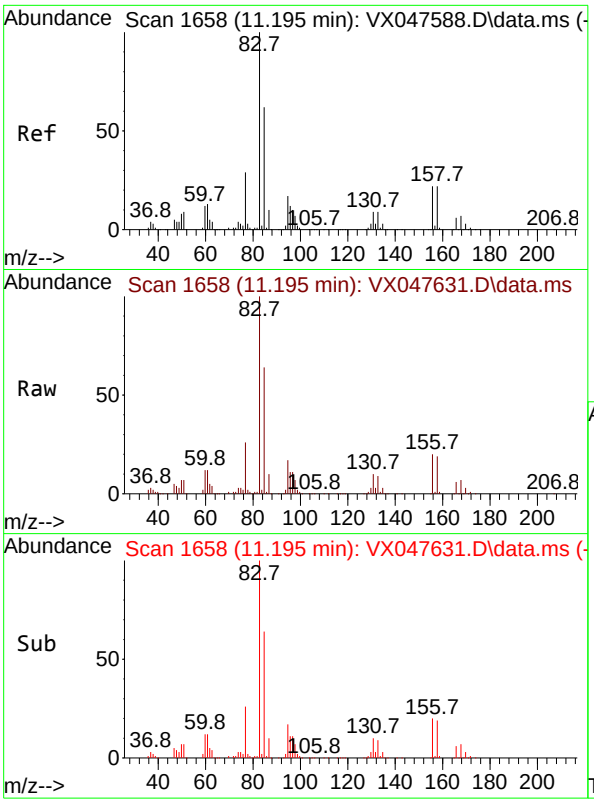


#74
N-amyl acetate
Concen: 51.046 ug/l
RT: 10.823 min Scan# 1597
Delta R.T. -0.006 min
Lab File: VX047631.D
Acq: 18 Sep 2025 11:30

Tgt Ion: 43 Resp: 242616

Ion	Ratio	Lower	Upper
43	100		
70	39.9	32.0	48.0
55	23.2	18.9	28.3
61	23.4	18.8	28.2



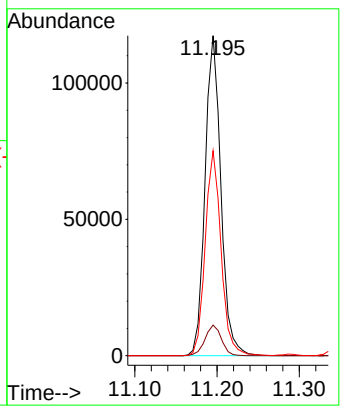


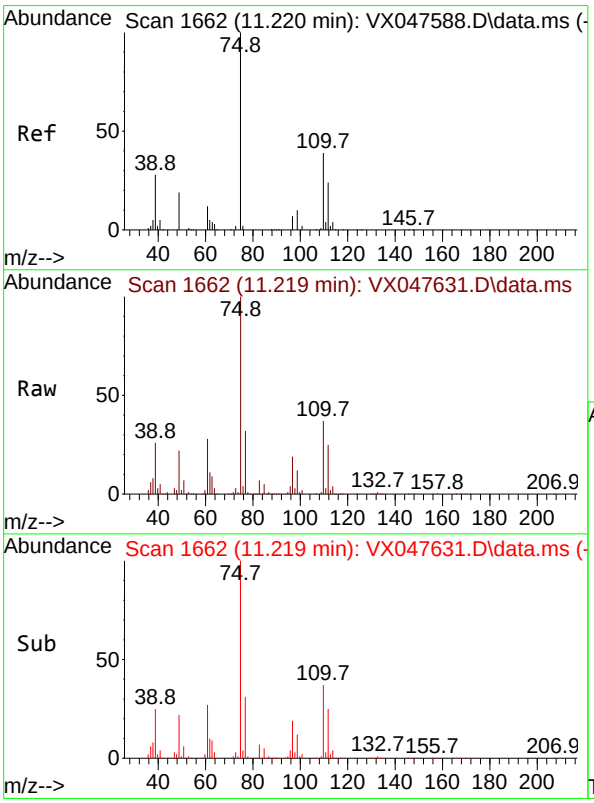
#75
1,1,2,2-Tetrachloroethane
Concen: 49.820 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047631.D
Acq: 18 Sep 2025 11:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 157103

Ion	Ratio	Lower	Upper
83	100		
131	9.9	5.0	14.9
85	64.2	31.6	95.0

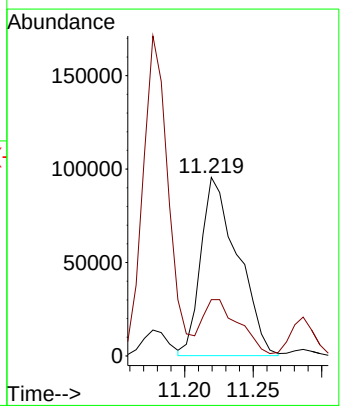


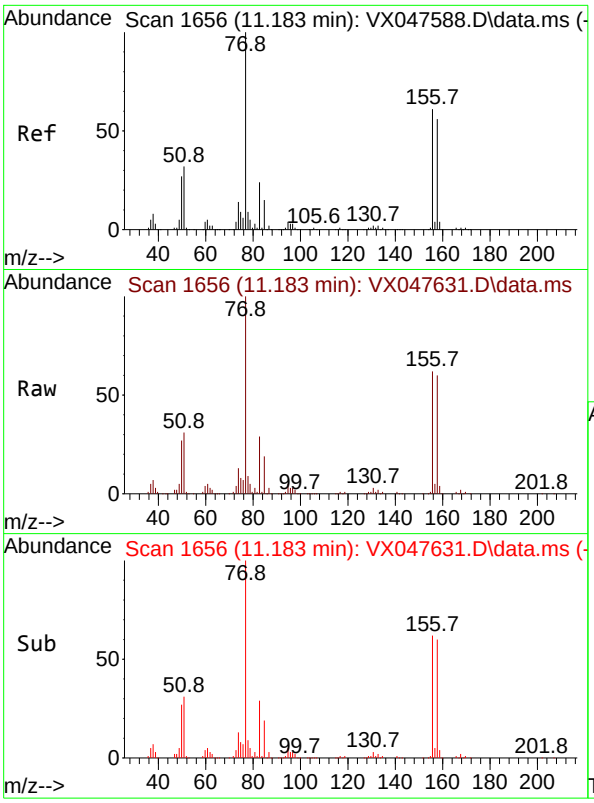


#76
1,2,3-Trichloropropane
Concen: 64.649 ug/l
RT: 11.219 min Scan# 1662
Delta R.T. -0.000 min
Lab File: VX047631.D
Acq: 18 Sep 2025 11:30

Tgt Ion: 75 Resp: 179446

Ion	Ratio	Lower	Upper
75	100		
77	30.8	18.8	56.4



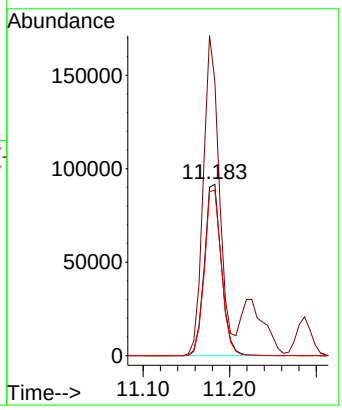


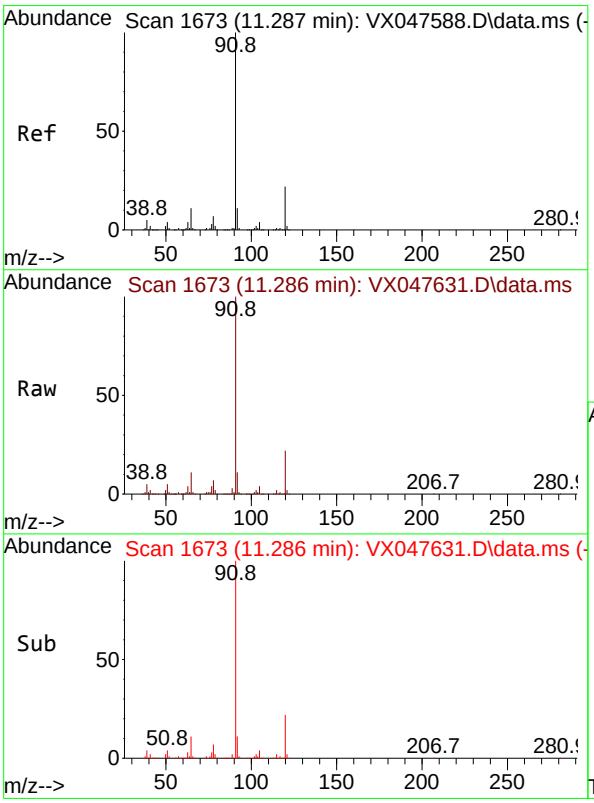
#77
Bromobenzene
Concen: 48.723 ug/l
RT: 11.183 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047631.D
Acq: 18 Sep 2025 11:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:156 Resp: 125074

Ion	Ratio	Lower	Upper
156	100		
77	177.3	89.7	269.1
158	96.4	47.9	143.6

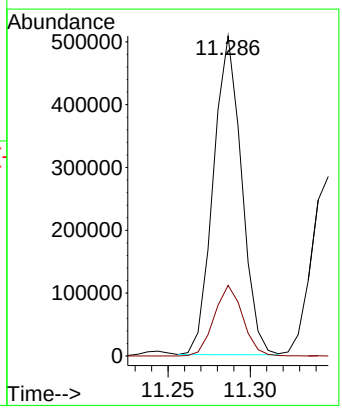


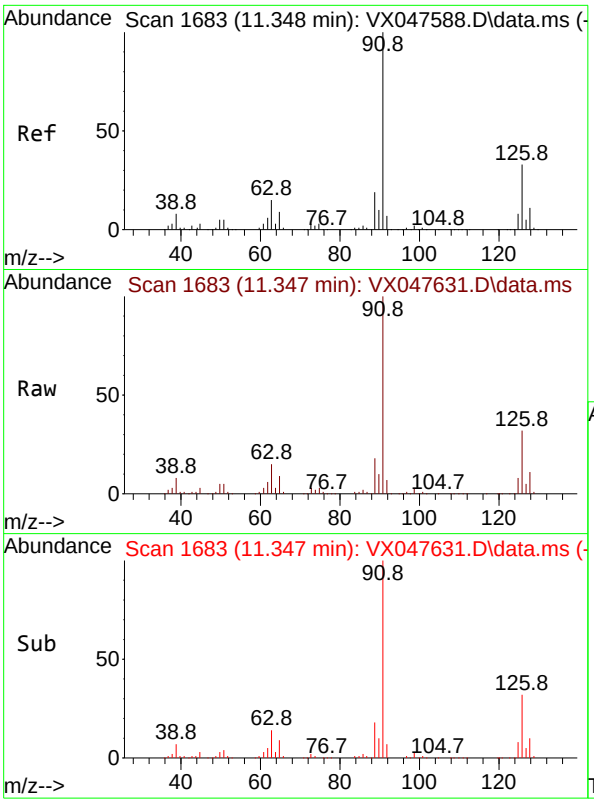


#78
n-propylbenzene
Concen: 49.266 ug/l
RT: 11.286 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX047631.D
Acq: 18 Sep 2025 11:30

Tgt Ion: 91 Resp: 606998

Ion	Ratio	Lower	Upper
91	100		
120	22.3	11.1	33.1



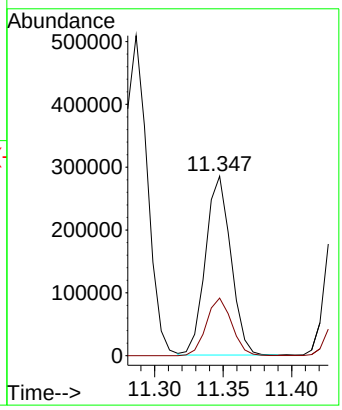


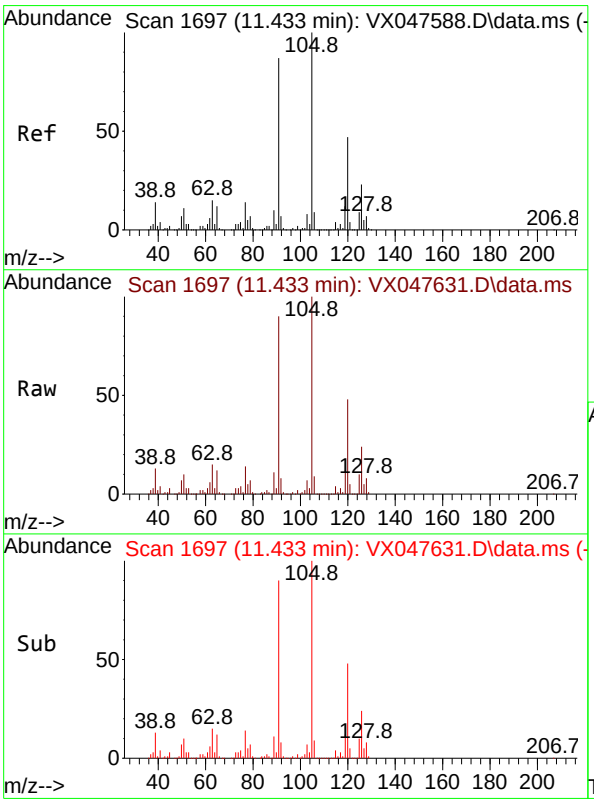
#79
2-Chlorotoluene
Concen: 48.608 ug/l
RT: 11.347 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047631.D
Acq: 18 Sep 2025 11:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 366809

Ion	Ratio	Lower	Upper
91	100		
126	32.2	16.1	48.3

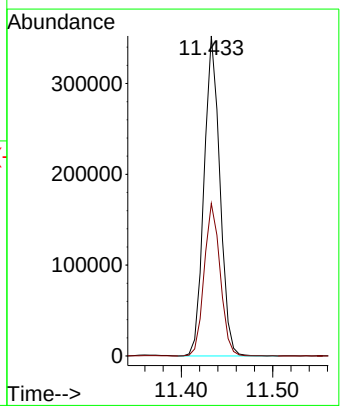


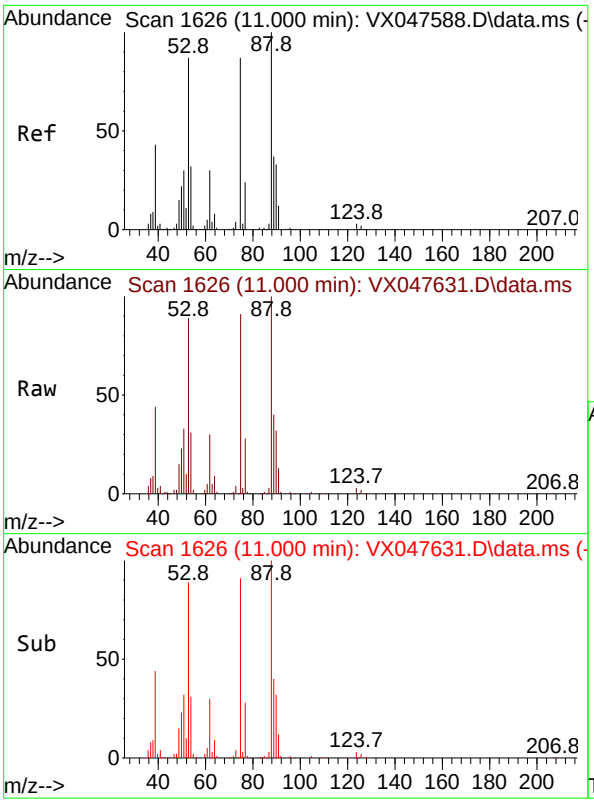


#80
1,3,5-Trimethylbenzene
Concen: 49.330 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX047631.D
Acq: 18 Sep 2025 11:30

Tgt Ion:105 Resp: 422419

Ion	Ratio	Lower	Upper
105	100		
120	48.1	23.6	70.8



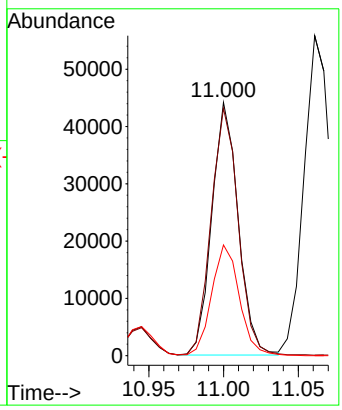


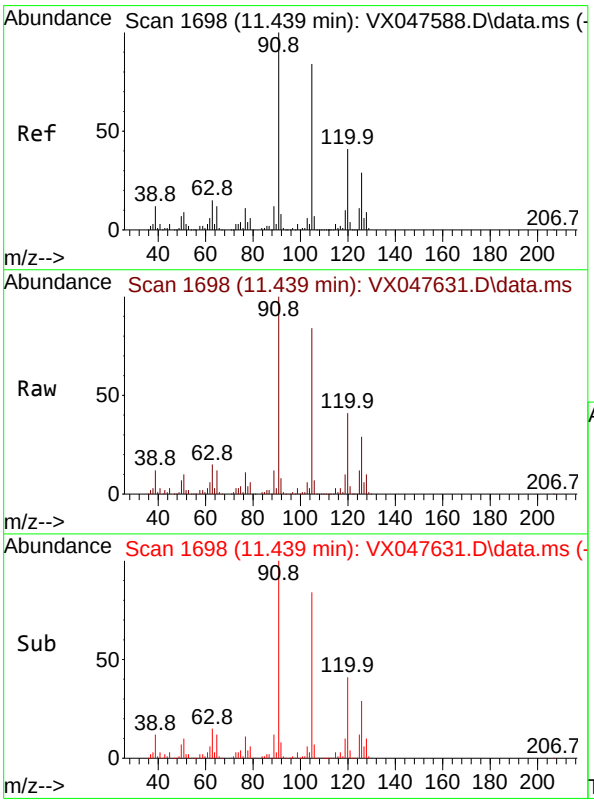
#81
trans-1,4-Dichloro-2-butene
Concen: 49.711 ug/l
RT: 11.000 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047631.D
Acq: 18 Sep 2025 11:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 54108

Ion	Ratio	Lower	Upper
75	100		
53	101.6	83.4	125.2
89	46.1	36.3	54.5

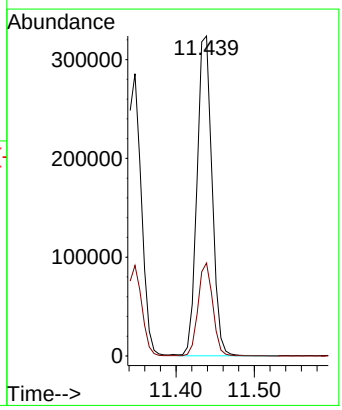


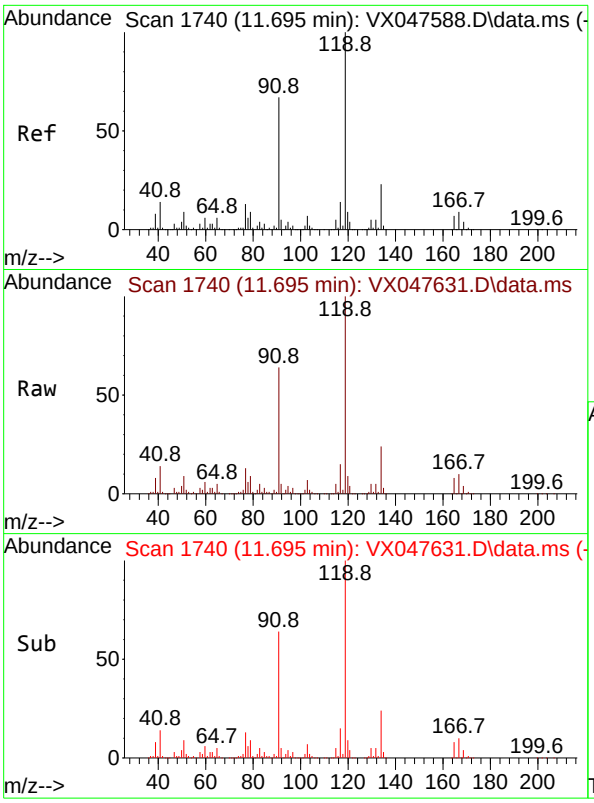


#82
4-Chlorotoluene
Concen: 48.423 ug/l
RT: 11.439 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VX047631.D
Acq: 18 Sep 2025 11:30

Tgt Ion: 91 Resp: 431570

Ion	Ratio	Lower	Upper
91	100		
126	28.4	14.2	42.6



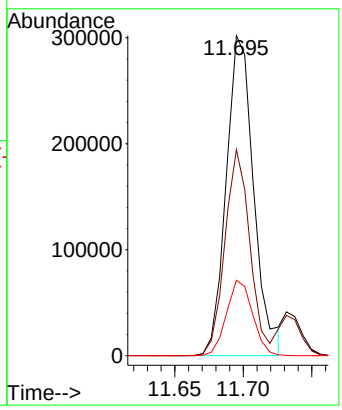


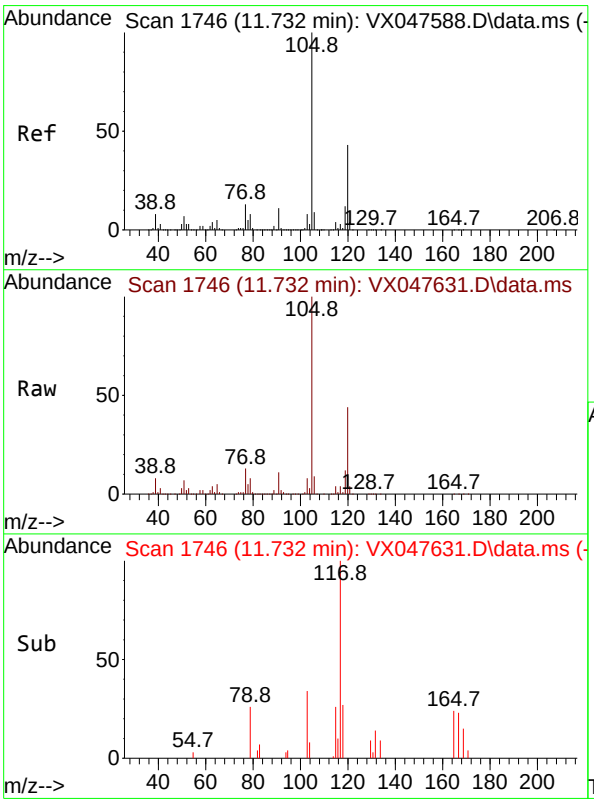
#83
tert-Butylbenzene
Concen: 48.149 ug/l
RT: 11.695 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047631.D
Acq: 18 Sep 2025 11:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:119 Resp: 422068

Ion	Ratio	Lower	Upper
119	100		
91	58.4	29.6	88.8
134	22.4	11.0	33.0

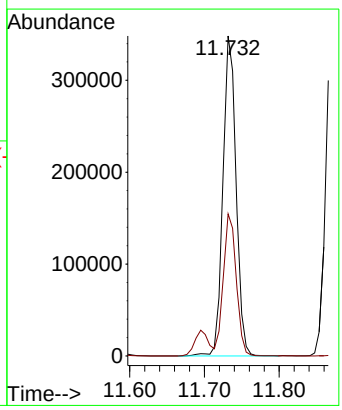


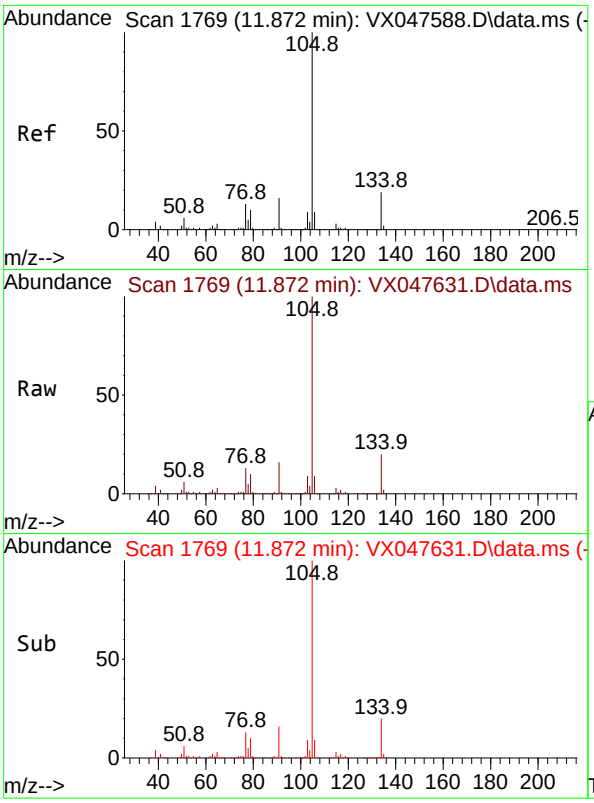


#84
1,2,4-Trimethylbenzene
Concen: 49.155 ug/l
RT: 11.732 min Scan# 1746
Delta R.T. -0.000 min
Lab File: VX047631.D
Acq: 18 Sep 2025 11:30

Tgt Ion:105 Resp: 426742

Ion	Ratio	Lower	Upper
105	100		
120	43.8	22.1	66.1



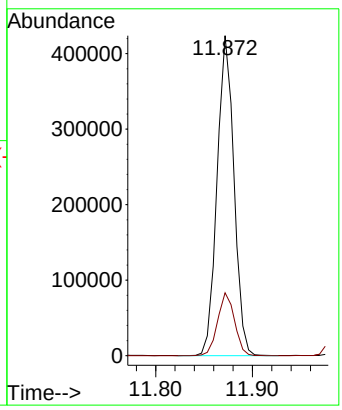


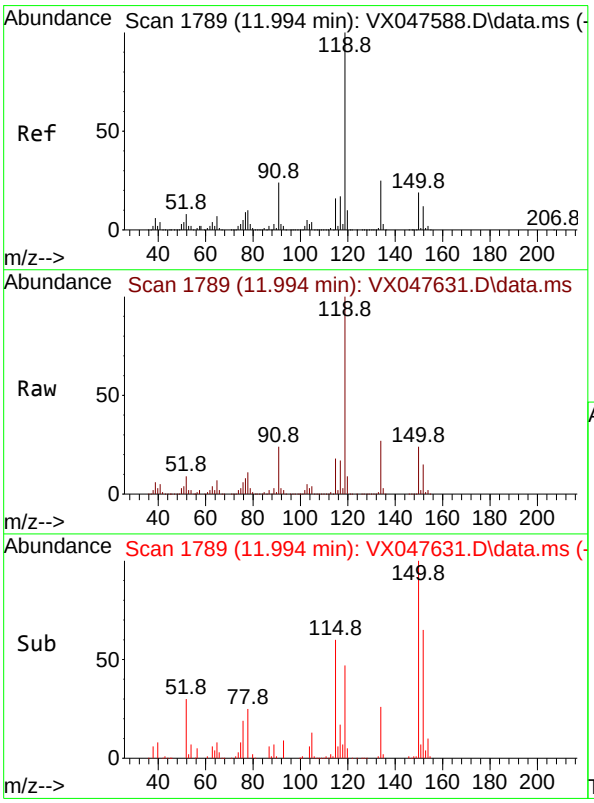
#85
sec-Butylbenzene
Concen: 49.250 ug/l
RT: 11.872 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047631.D
Acq: 18 Sep 2025 11:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:105 Resp: 512794

Ion	Ratio	Lower	Upper
105	100		
134	19.7	9.8	29.5

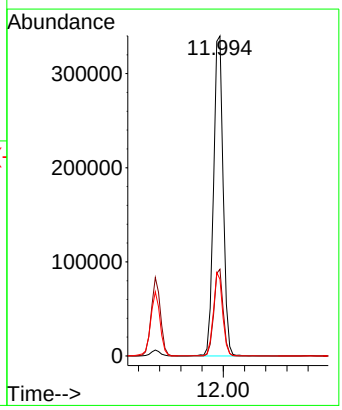


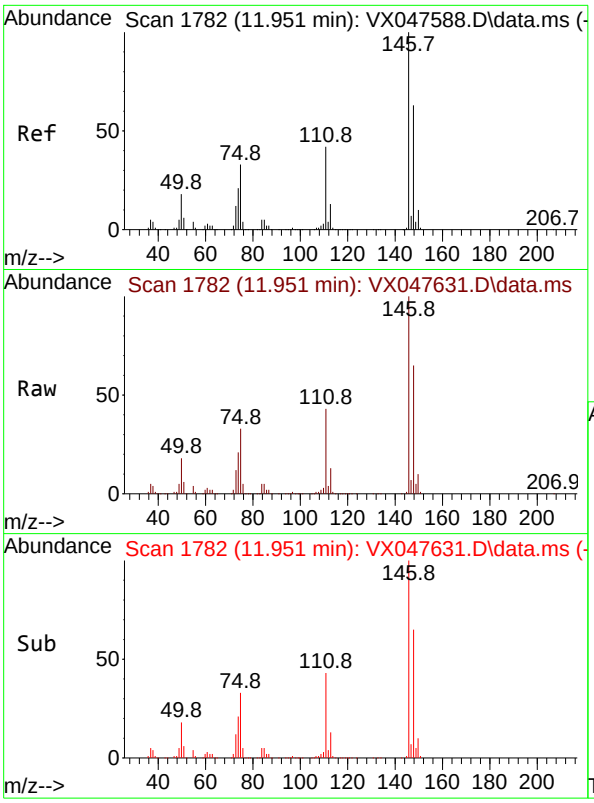


#86
p-Isopropyltoluene
Concen: 48.480 ug/l
RT: 11.994 min Scan# 1789
Delta R.T. -0.000 min
Lab File: VX047631.D
Acq: 18 Sep 2025 11:30

Tgt Ion:119 Resp: 427348

Ion	Ratio	Lower	Upper
119	100		
134	26.2	12.6	37.8
91	25.1	12.6	37.6



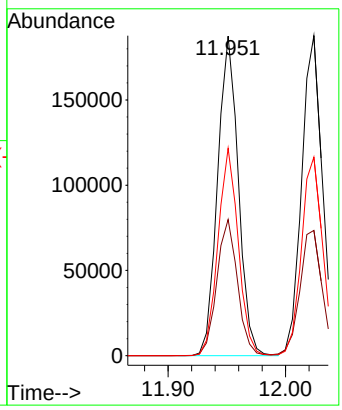


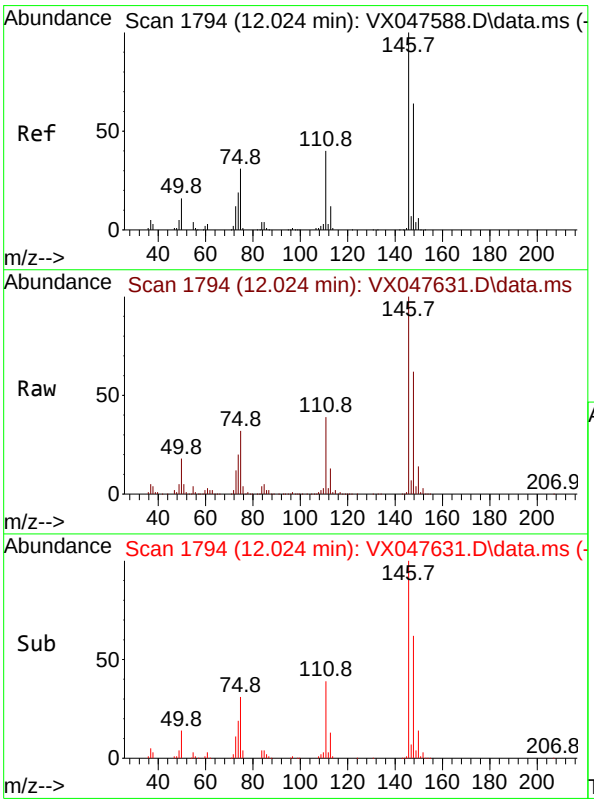
#87
1,3-Dichlorobenzene
Concen: 48.269 ug/l
RT: 11.951 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047631.D
Acq: 18 Sep 2025 11:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:146 Resp: 230147

Ion	Ratio	Lower	Upper
146	100		
111	42.6	21.5	64.5
148	63.6	32.0	96.0

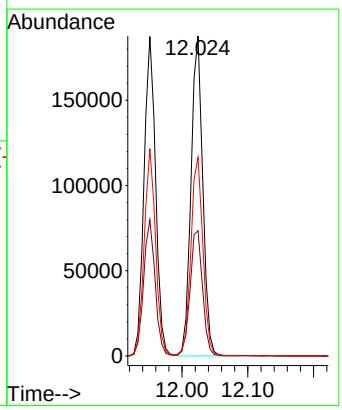


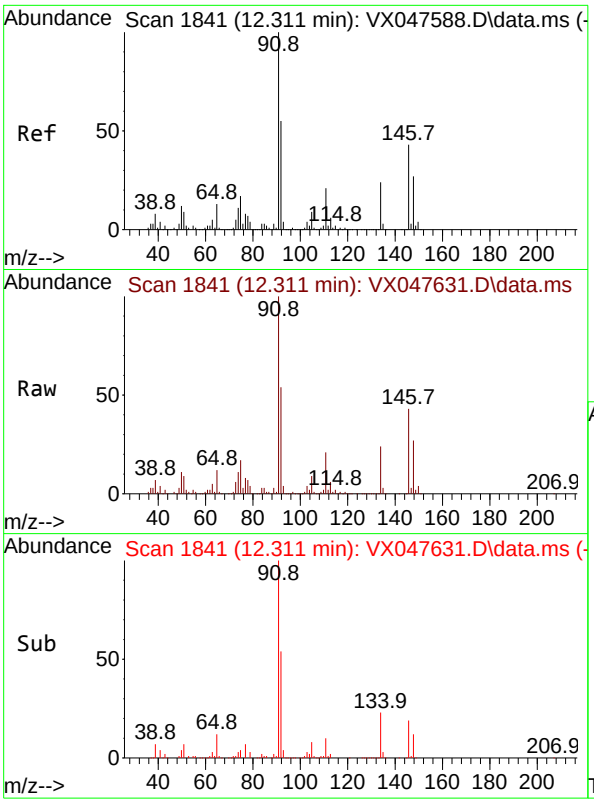


#88
1,4-Dichlorobenzene
Concen: 47.257 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX047631.D
Acq: 18 Sep 2025 11:30

Tgt Ion:146 Resp: 231259

Ion	Ratio	Lower	Upper
146	100		
111	41.6	20.8	62.4
148	63.6	31.7	95.1



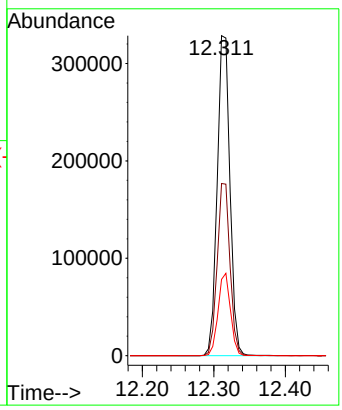


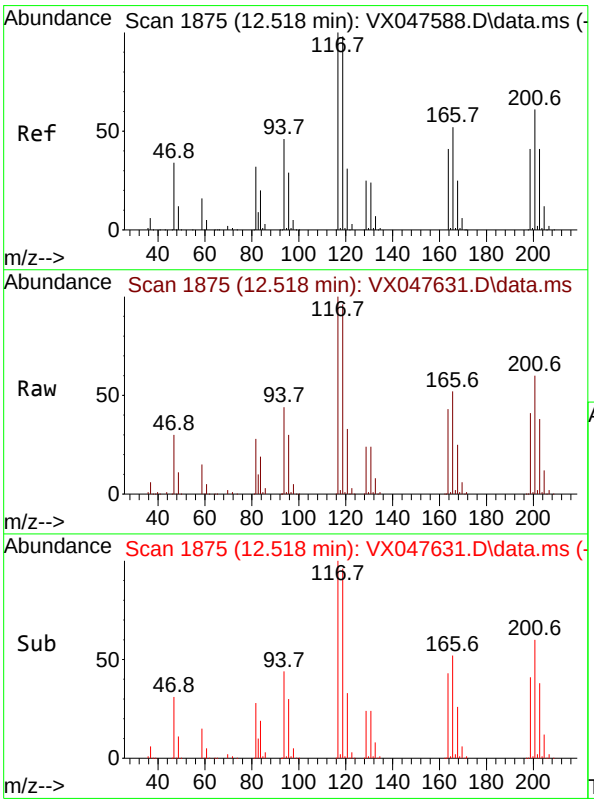
#89
n-Butylbenzene
Concen: 49.801 ug/l
RT: 12.311 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047631.D
Acq: 18 Sep 2025 11:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 406198

Ion	Ratio	Lower	Upper
91	100		
92	54.1	27.6	82.7
134	25.1	12.6	37.8

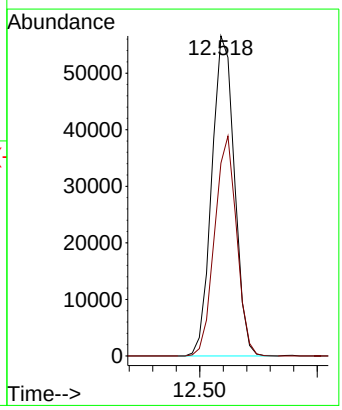


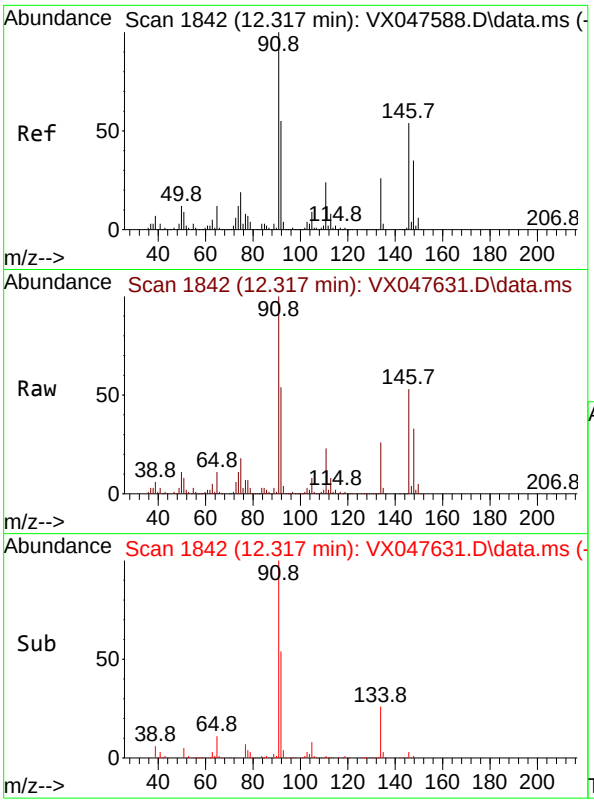


#90
Hexachloroethane
Concen: 49.103 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VX047631.D
Acq: 18 Sep 2025 11:30

Tgt Ion:117 Resp: 75994

Ion	Ratio	Lower	Upper
117	100		
201	66.7	34.2	102.5



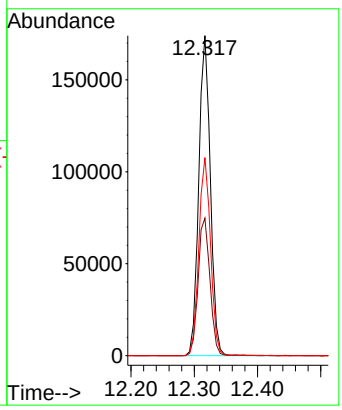


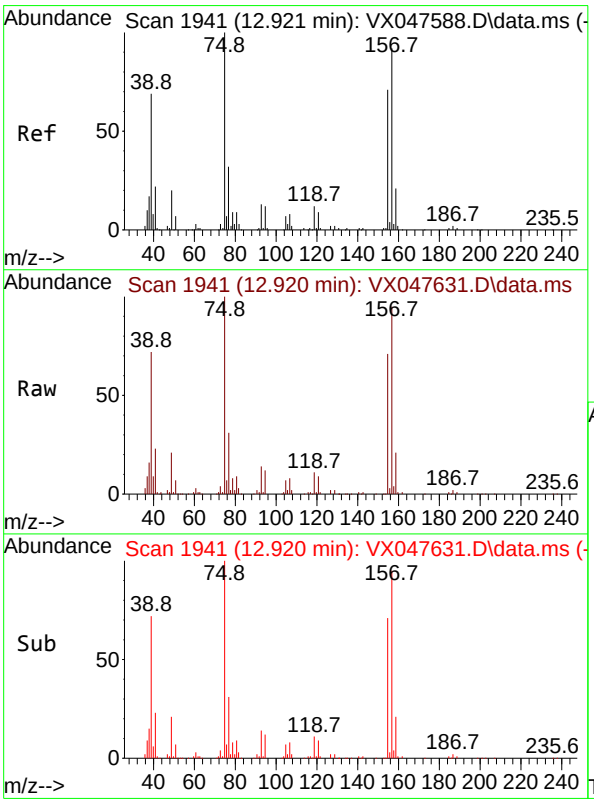
#91
1,2-Dichlorobenzene
Concen: 48.892 ug/l
RT: 12.317 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047631.D
Acq: 18 Sep 2025 11:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:146 Resp: 222095

Ion	Ratio	Lower	Upper
146	100		
111	43.9	22.2	66.6
148	62.8	31.8	95.4

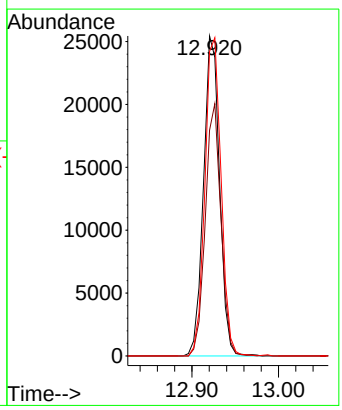


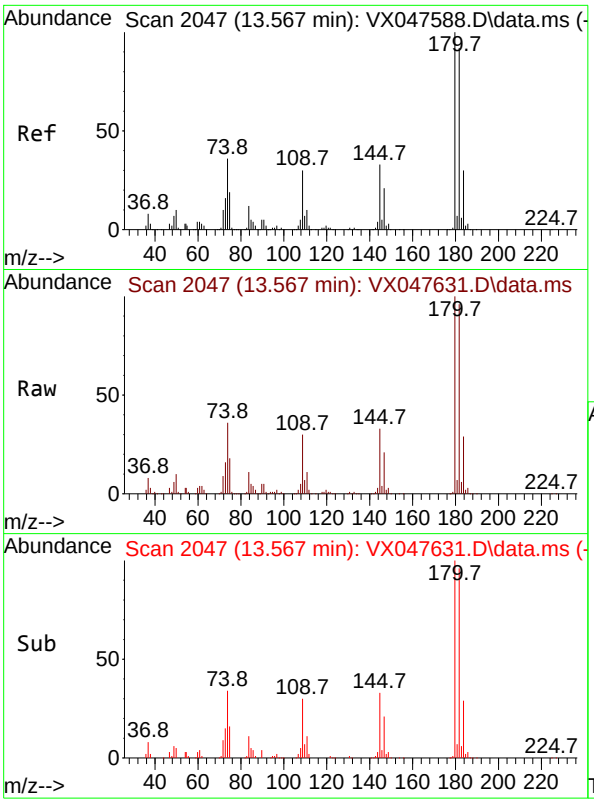


#92
1,2-Dibromo-3-Chloropropane
Concen: 51.214 ug/l
RT: 12.920 min Scan# 1941
Delta R.T. -0.000 min
Lab File: VX047631.D
Acq: 18 Sep 2025 11:30

Tgt Ion: 75 Resp: 32697

Ion	Ratio	Lower	Upper
75	100		
155	77.2	37.7	113.1
157	100.4	49.8	149.4



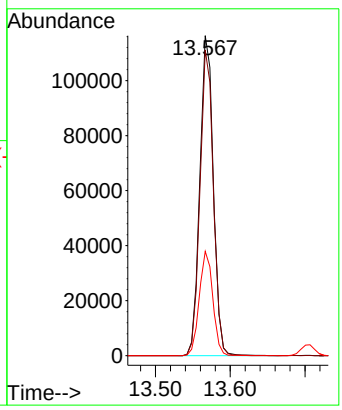


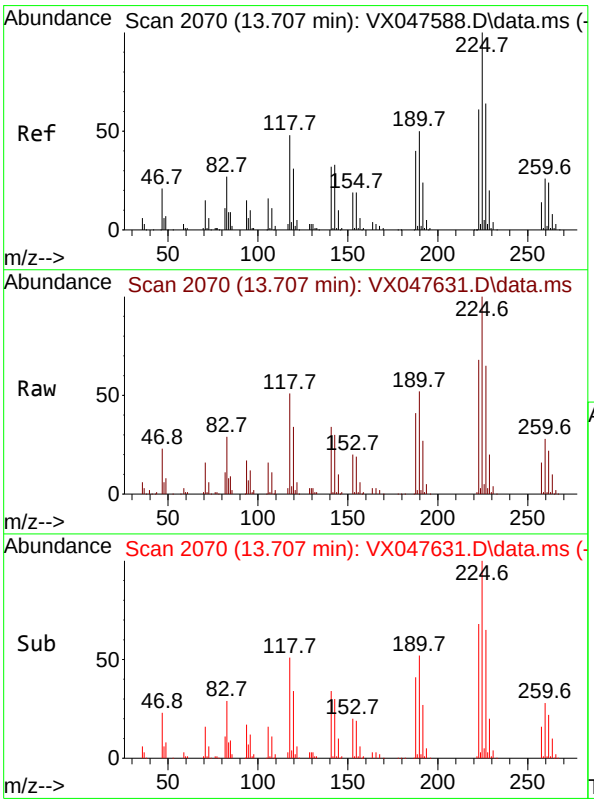
#93
1,2,4-Trichlorobenzene
Concen: 49.362 ug/l
RT: 13.567 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047631.D
Acq: 18 Sep 2025 11:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:180 Resp: 145730

Ion	Ratio	Lower	Upper
180	100		
182	94.8	46.6	139.8
145	32.7	16.4	49.1

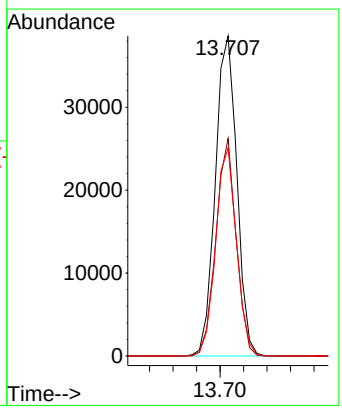


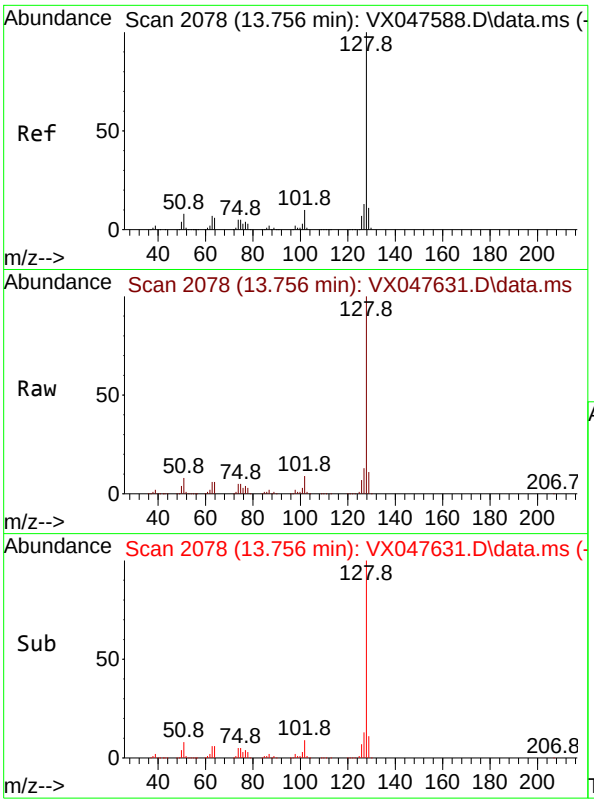


#94
Hexachlorobutadiene
Concen: 48.949 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. -0.000 min
Lab File: VX047631.D
Acq: 18 Sep 2025 11:30

Tgt Ion:225 Resp: 49085

Ion	Ratio	Lower	Upper
225	100		
223	63.7	31.7	95.1
227	62.9	32.0	96.0



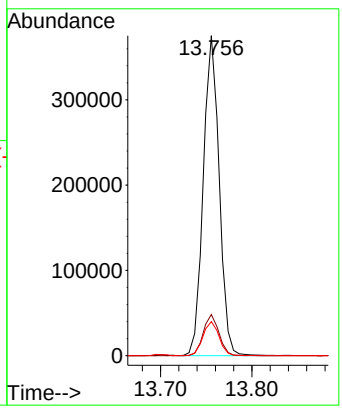


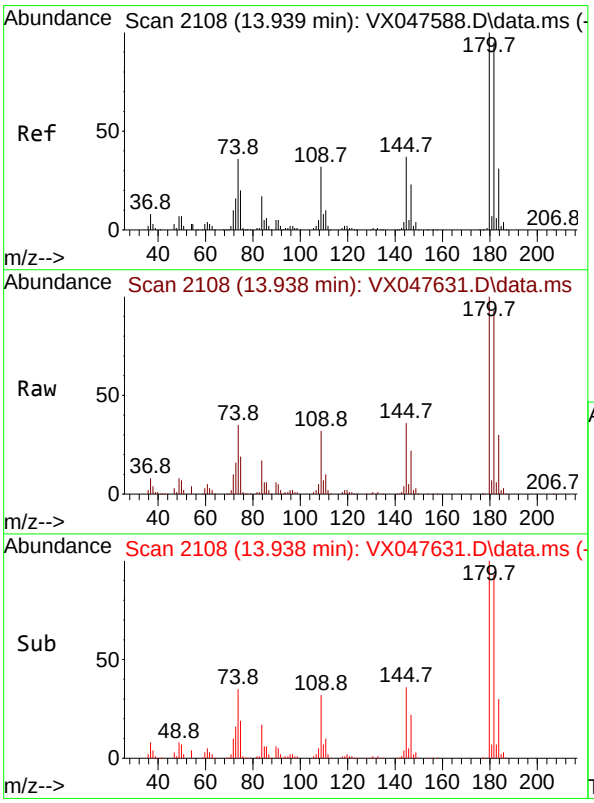
#95
Naphthalene
Concen: 50.475 ug/l
RT: 13.756 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047631.D
Acq: 18 Sep 2025 11:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:128 Resp: 453760

Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.2
129	10.8	8.8	13.2

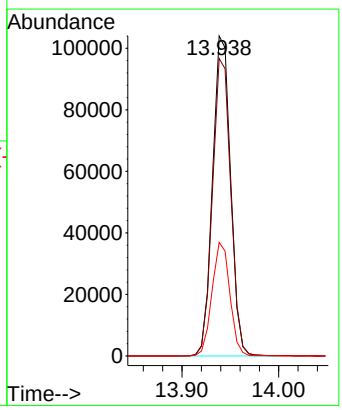




#96
1,2,3-Trichlorobenzene
Concen: 48.993 ug/l
RT: 13.938 min Scan# 2108
Delta R.T. -0.000 min
Lab File: VX047631.D
Acq: 18 Sep 2025 11:30

Tgt Ion:180 Resp: 134546

Ion	Ratio	Lower	Upper
180	100		
182	94.2	47.6	142.8
145	35.2	17.9	53.7



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091825\
Data File : VX047634.D
Acq On : 18 Sep 2025 12:45
Operator : JC/MD
Sample : VX0918WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBS01

Quant Time: Sep 22 03:32:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.538	168	184765	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	329366	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	292123	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	143266	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	143215	48.696	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 97.400%			
35) Dibromofluoromethane	5.367	113	110491	50.021	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.040%			
50) Toluene-d8	8.635	98	382885	50.094	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 100.180%			
62) 4-Bromofluorobenzene	11.061	95	145725	50.237	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 100.480%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.173	85	48551	25.376	ug/l	99
3) Chloromethane	1.301	50	57832	22.999	ug/l	99
4) Vinyl Chloride	1.380	62	57439	23.335	ug/l	100
5) Bromomethane	1.618	94	36425	23.337	ug/l	99
6) Chloroethane	1.697	64	36583	22.237	ug/l	99
7) Trichlorofluoromethane	1.898	101	78510	21.481	ug/l	99
8) Diethyl Ether	2.136	74	30731	20.555	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.331	101	45334	21.213	ug/l	99
10) Methyl Iodide	2.453	142	67783	20.337	ug/l	99
11) Tert butyl alcohol	2.940	59	36625	111.816	ug/l	97
12) 1,1-Dichloroethene	2.325	96	46762	21.302	ug/l	93
13) Acrolein	2.233	56	46054	152.577	ug/l	100
14) Allyl chloride	2.666	41	94754	20.918	ug/l	97
15) Acrylonitrile	3.056	53	141174	116.359	ug/l	98
16) Acetone	2.373	43	124415	97.294	ug/l	96
17) Carbon Disulfide	2.514	76	138396	23.029	ug/l	98
18) Methyl Acetate	2.697	43	61444	21.591	ug/l	100
19) Methyl tert-butyl Ether	3.105	73	169441	21.145	ug/l	97
20) Methylene Chloride	2.788	84	56600	20.910	ug/l	94
21) trans-1,2-Dichloroethene	3.087	96	49944	21.132	ug/l	96
22) Diisopropyl ether	3.751	45	188618	21.485	ug/l	96
23) Vinyl Acetate	3.709	43	775875	110.425	ug/l	100
24) 1,1-Dichloroethane	3.605	63	98312	21.069	ug/l	99
25) 2-Butanone	4.538	43	176186	110.456	ug/l	98
26) 2,2-Dichloropropane	4.465	77	78730	20.298	ug/l	99
27) cis-1,2-Dichloroethene	4.477	96	62278	21.517	ug/l	98
28) Bromochloromethane	4.879	49	54248	26.630	ug/l	99
29) Tetrahydrofuran	4.989	42	110389	115.041	ug/l	100
30) Chloroform	5.074	83	101087	21.438	ug/l	98
31) Cyclohexane	5.452	56	85610	22.029	ug/l	98
32) 1,1,1-Trichloroethane	5.373	97	83950	20.990	ug/l	99
36) 1,1-Dichloropropene	5.678	75	66230	20.519	ug/l	99
37) Ethyl Acetate	4.696	43	77350	22.381	ug/l	98
38) Carbon Tetrachloride	5.666	117	70717	20.165	ug/l	97
39) Methylcyclohexane	7.360	83	78612	21.456	ug/l	100
40) Benzene	6.019	78	210958	21.519	ug/l	99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091825\
Data File : VX047634.D
Acq On : 18 Sep 2025 12:45
Operator : JC/MD
Sample : VX0918WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBS01

Quant Time: Sep 22 03:32:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.904	41	39755	22.282	ug/l		97
42) 1,2-Dichloroethane	6.074	62	77680	20.825	ug/l		99
43) Isopropyl Acetate	6.318	43	124705	22.001	ug/l		99
44) Trichloroethene	7.110	130	49886	21.048	ug/l		98
45) 1,2-Dichloropropane	7.415	63	53095	21.151	ug/l		99
46) Dibromomethane	7.562	93	38524	21.089	ug/l		98
47) Bromodichloromethane	7.805	83	78870	20.923	ug/l		96
48) Methyl methacrylate	7.677	41	62106	21.998	ug/l		98
49) 1,4-Dioxane	7.641	88	14618	512.327	ug/l		93
51) 4-Methyl-2-Pentanone	8.555	43	363981	115.821	ug/l		99
52) Toluene	8.702	92	128593	21.291	ug/l		100
53) t-1,3-Dichloropropene	8.964	75	80393	20.908	ug/l		100
54) cis-1,3-Dichloropropene	8.348	75	85751	20.865	ug/l		98
55) 1,1,2-Trichloroethane	9.134	97	50299	21.597	ug/l		98
56) Ethyl methacrylate	9.098	69	81830	22.373	ug/l		98
57) 1,3-Dichloropropane	9.293	76	88322	22.076	ug/l		98
58) 2-Chloroethyl Vinyl ether	8.226	63	161450	99.487	ug/l		99
59) 2-Hexanone	9.415	43	257260	113.982	ug/l		99
60) Dibromochloromethane	9.506	129	57746	21.519	ug/l		100
61) 1,2-Dibromoethane	9.592	107	52479	22.123	ug/l		99
64) Tetrachloroethene	9.256	164	40380	21.204	ug/l		96
65) Chlorobenzene	10.061	112	141250	21.284	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.147	131	47770	20.860	ug/l		99
67) Ethyl Benzene	10.177	91	241869	21.123	ug/l		99
68) m/p-Xylenes	10.287	106	183376	43.025	ug/l		99
69) o-Xylene	10.622	106	88580	21.487	ug/l		100
70) Styrene	10.640	104	153153	21.203	ug/l		99
71) Bromoform	10.781	173	36468	21.327	ug/l	#	98
73) Isopropylbenzene	10.945	105	226622	20.806	ug/l		99
74) N-amyl acetate	10.823	43	107819	21.707	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.195	83	71287	21.632	ug/l		98
76) 1,2,3-Trichloropropane	11.219	75	77257	26.634	ug/l		91
77) Bromobenzene	11.183	156	55527	20.699	ug/l		99
78) n-propylbenzene	11.287	91	269007	20.893	ug/l		100
79) 2-Chlorotoluene	11.348	91	163838	20.776	ug/l		99
80) 1,3,5-Trimethylbenzene	11.433	105	186536	20.845	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.000	75	23228	20.421	ug/l		98
82) 4-Chlorotoluene	11.439	91	192939	20.715	ug/l		100
83) tert-Butylbenzene	11.695	119	189211	20.655	ug/l		99
84) 1,2,4-Trimethylbenzene	11.732	105	190968	21.049	ug/l		99
85) sec-Butylbenzene	11.872	105	224047	20.591	ug/l		100
86) p-Isopropyltoluene	11.994	119	188131	20.423	ug/l		99
87) 1,3-Dichlorobenzene	11.951	146	101958	20.462	ug/l		100
88) 1,4-Dichlorobenzene	12.024	146	105034	20.539	ug/l		98
89) n-Butylbenzene	12.317	91	174488	20.471	ug/l		99
90) Hexachloroethane	12.518	117	31502	19.478	ug/l		99
91) 1,2-Dichlorobenzene	12.317	146	99044	20.864	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.920	75	14268	21.385	ug/l		97
93) 1,2,4-Trichlorobenzene	13.567	180	61572	19.957	ug/l		98
94) Hexachlorobutadiene	13.707	225	21053	20.090	ug/l		98
95) Naphthalene	13.756	128	192734	20.515	ug/l		99
96) 1,2,3-Trichlorobenzene	13.938	180	58854	20.507	ug/l		97

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091825\
Data File : VX047634.D
Acq On : 18 Sep 2025 12:45
Operator : JC/MD
Sample : VX0918WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBS01

Quant Time: Sep 22 03:32:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

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

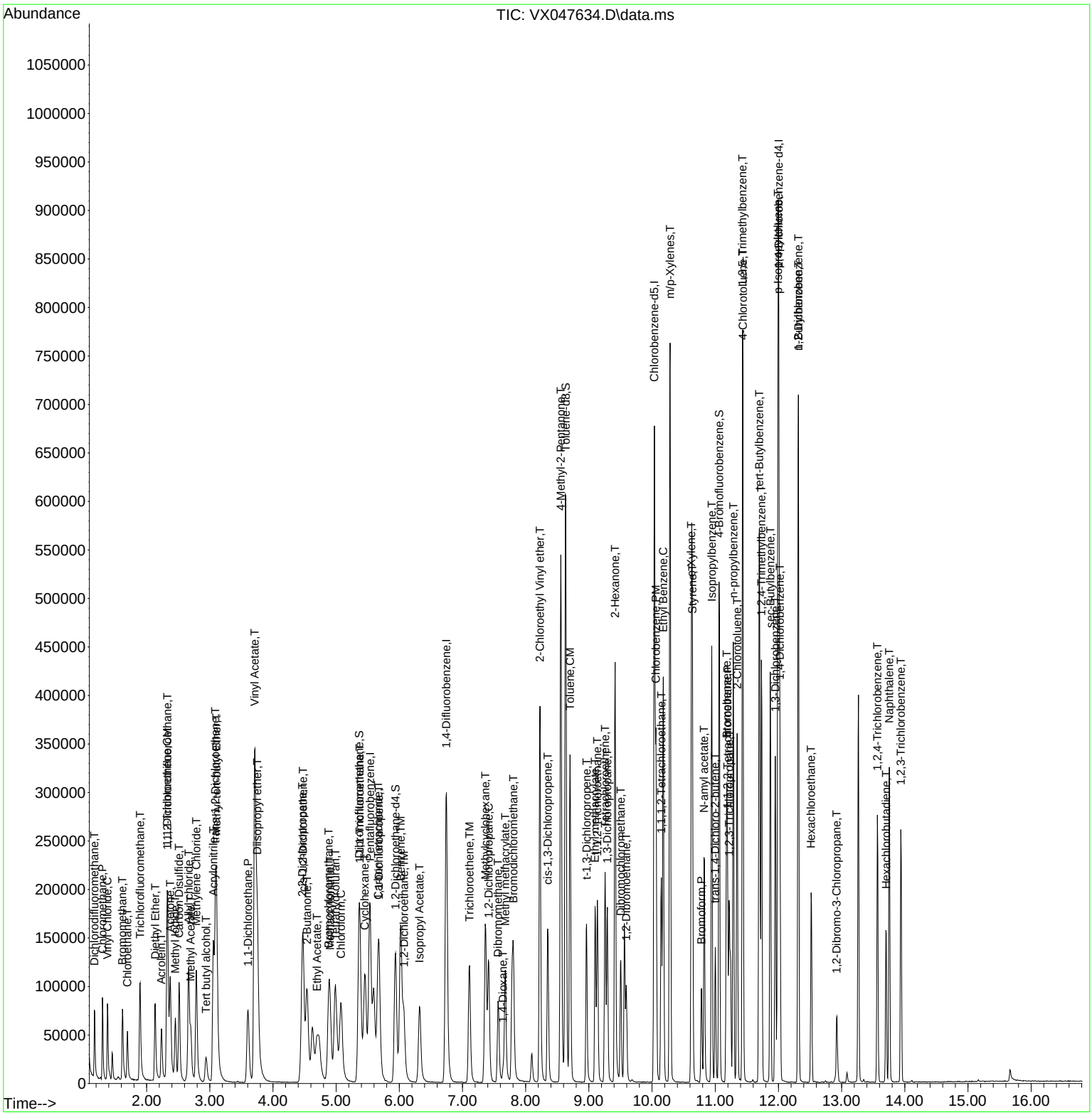
(#) = qualifier out of range (m) = manual integration (+) = signals summed

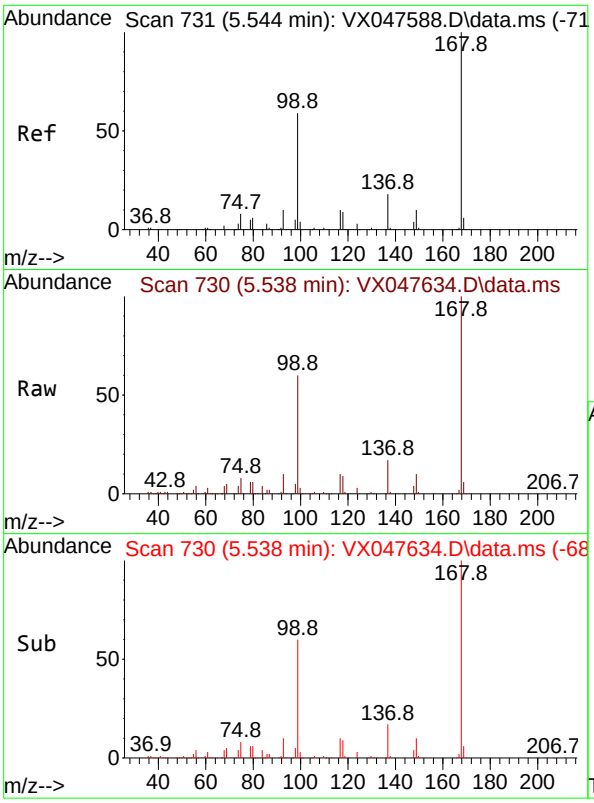
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091825\
Data File : VX047634.D
Acq On : 18 Sep 2025 12:45
Operator : JC/MD
Sample : VX0918WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBS01

Quant Time: Sep 22 03:32:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



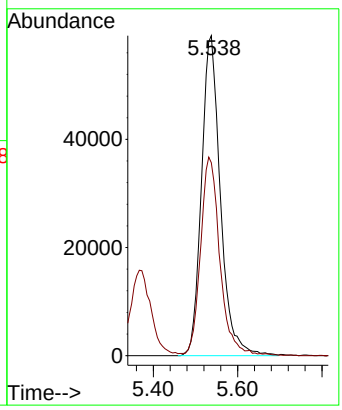


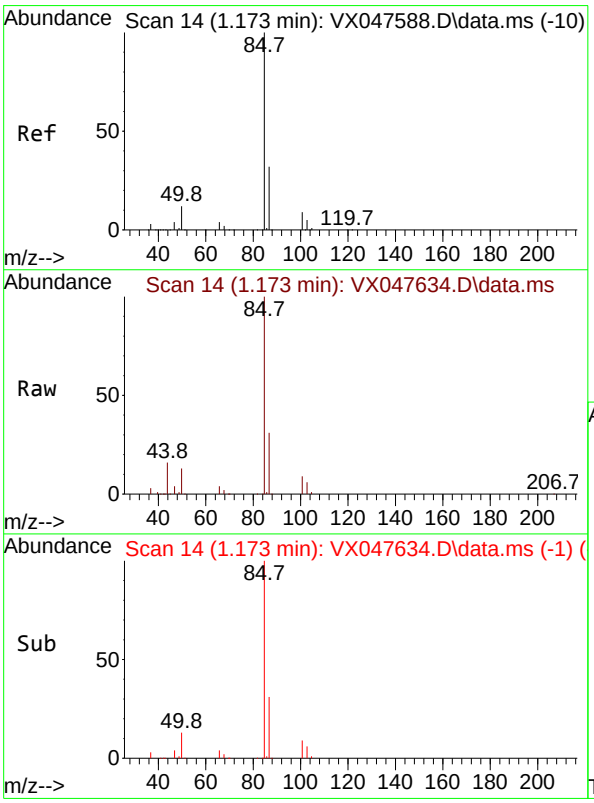
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047634.D
Acq: 18 Sep 2025 12:45

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBS01

Tgt Ion:168 Resp: 184765

Ion	Ratio	Lower	Upper
168	100		
99	60.1	48.8	73.2

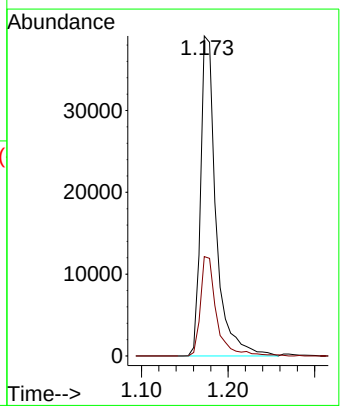


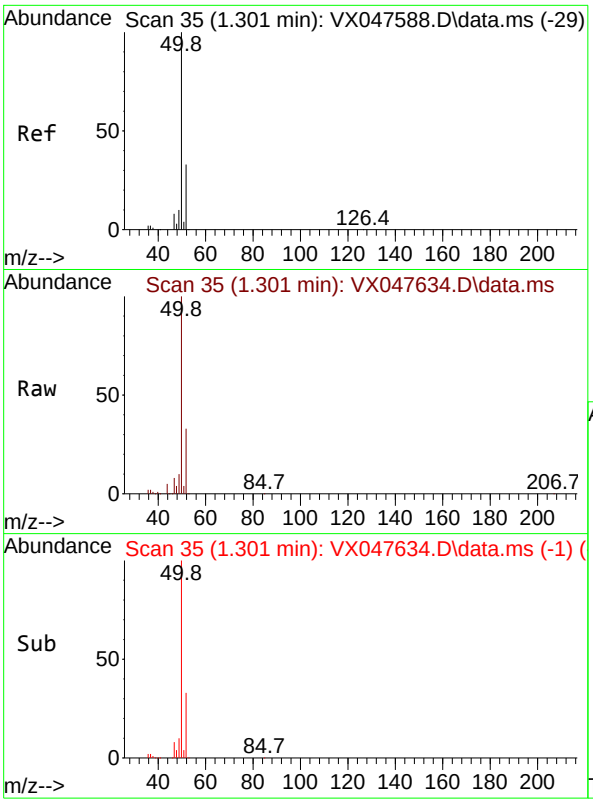


#2
Dichlorodifluoromethane
Concen: 25.376 ug/l
RT: 1.173 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047634.D
Acq: 18 Sep 2025 12:45

Tgt Ion: 85 Resp: 48551

Ion	Ratio	Lower	Upper
85	100		
87	31.1	15.8	47.3



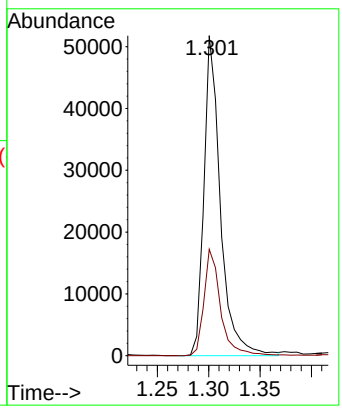


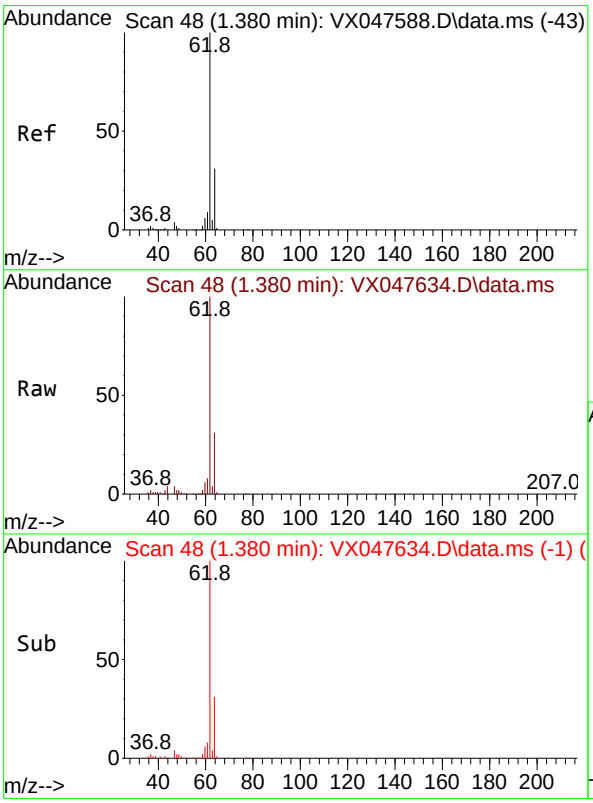
#3
Chloromethane
Concen: 22.999 ug/l
RT: 1.301 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047634.D
Acq: 18 Sep 2025 12:45

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBS01

Tgt Ion: 50 Resp: 57832

Ion	Ratio	Lower	Upper
50	100		
52	33.2	26.1	39.1

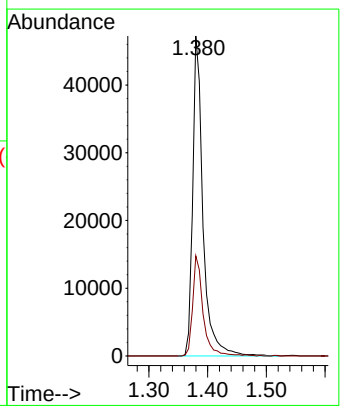


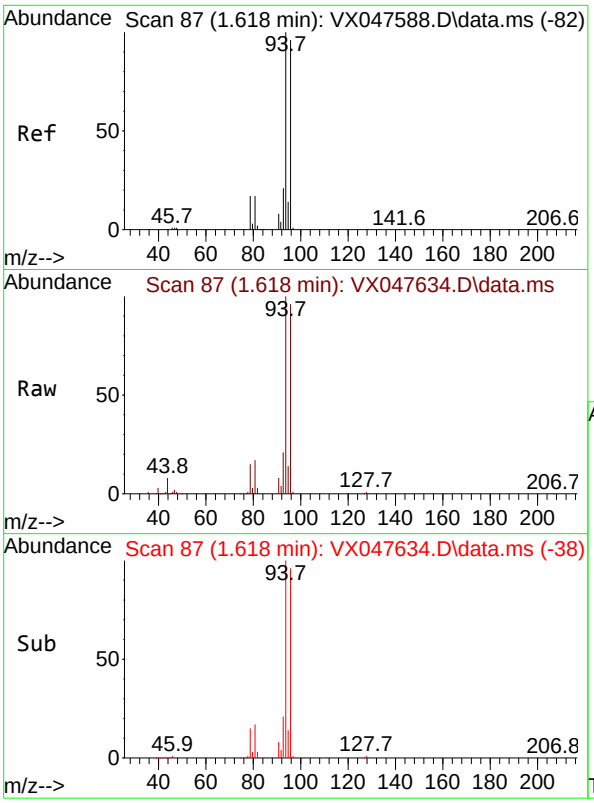


#4
Vinyl Chloride
Concen: 23.335 ug/l
RT: 1.380 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX047634.D
Acq: 18 Sep 2025 12:45

Tgt Ion: 62 Resp: 57439

Ion	Ratio	Lower	Upper
62	100		
64	31.3	24.9	37.3



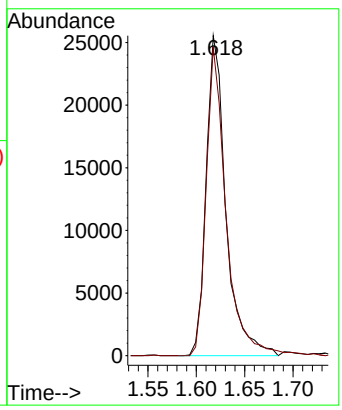


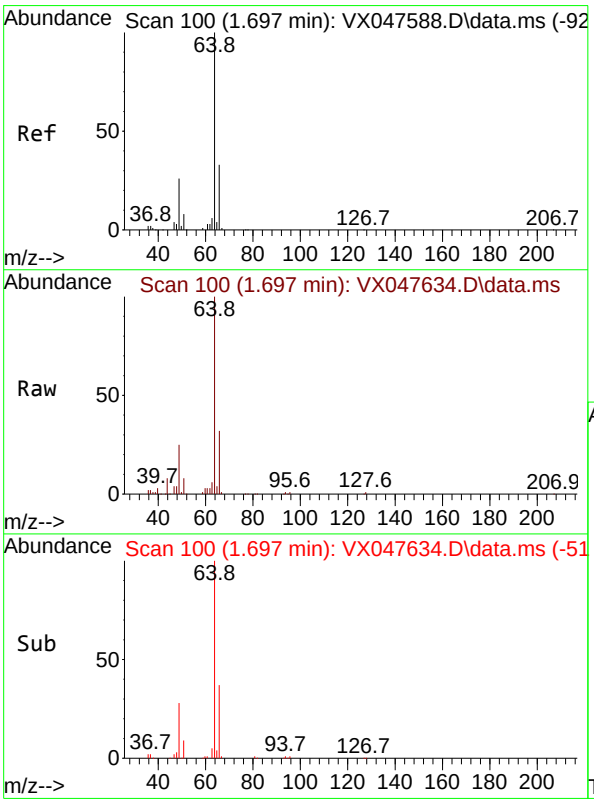
#5
Bromomethane
Concen: 23.337 ug/l
RT: 1.618 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX047634.D
Acq: 18 Sep 2025 12:45

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBS01

Tgt Ion: 94 Resp: 36425

Ion	Ratio	Lower	Upper
94	100		
96	96.4	76.6	115.0

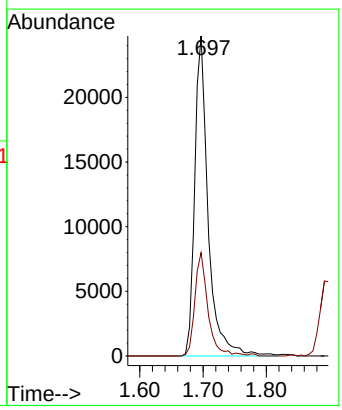


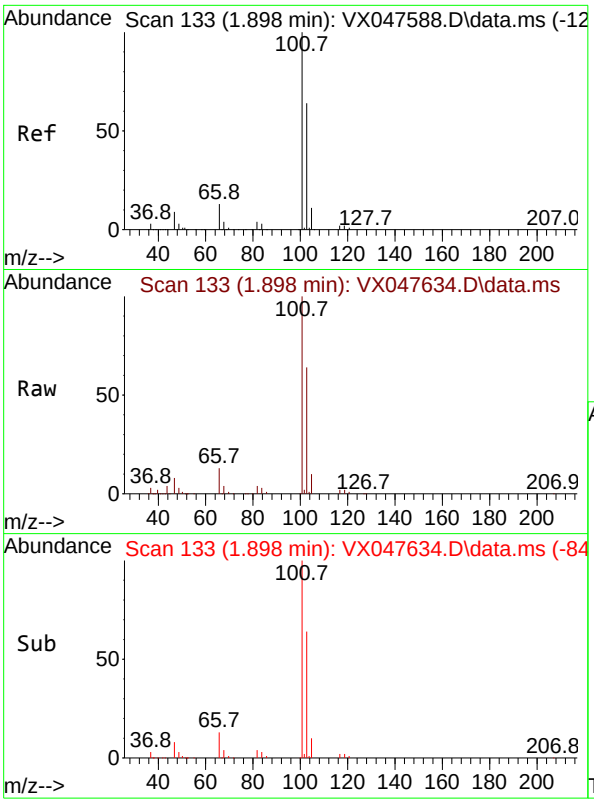


#6
Chloroethane
Concen: 22.237 ug/l
RT: 1.697 min Scan# 100
Delta R.T. -0.000 min
Lab File: VX047634.D
Acq: 18 Sep 2025 12:45

Tgt Ion: 64 Resp: 36583

Ion	Ratio	Lower	Upper
64	100		
66	32.3	26.1	39.1



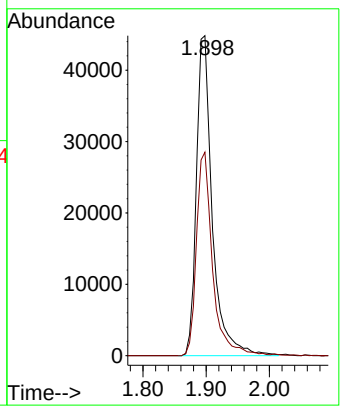


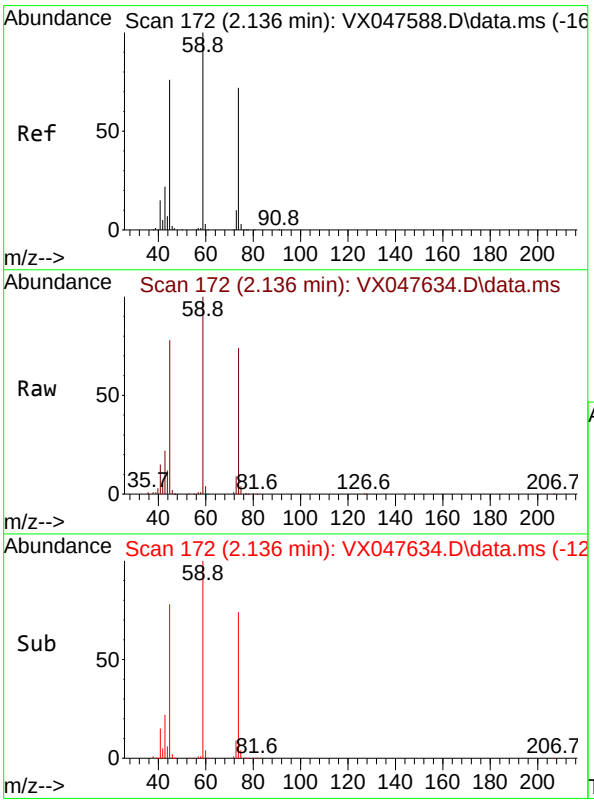
#7
Trichlorofluoromethane
Concen: 21.481 ug/l
RT: 1.898 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047634.D
Acq: 18 Sep 2025 12:45

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBS01

Tgt Ion:101 Resp: 78510

Ion	Ratio	Lower	Upper
101	100		
103	63.6	51.4	77.2

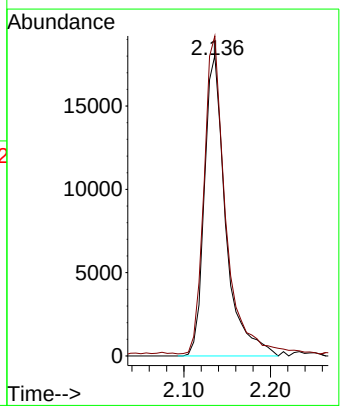


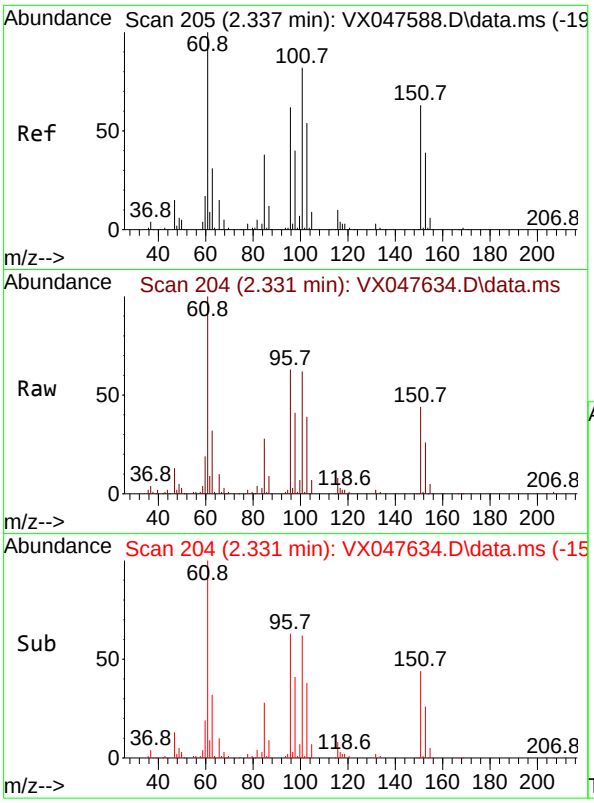


#8
Diethyl Ether
Concen: 20.555 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX047634.D
Acq: 18 Sep 2025 12:45

Tgt Ion: 74 Resp: 30731

Ion	Ratio	Lower	Upper
74	100		
45	108.0	52.3	156.8



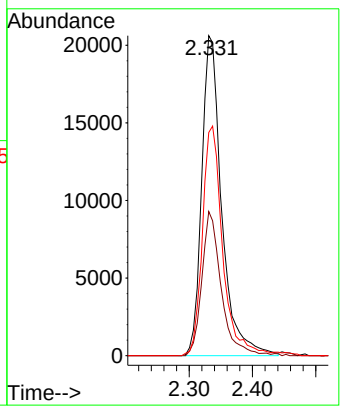


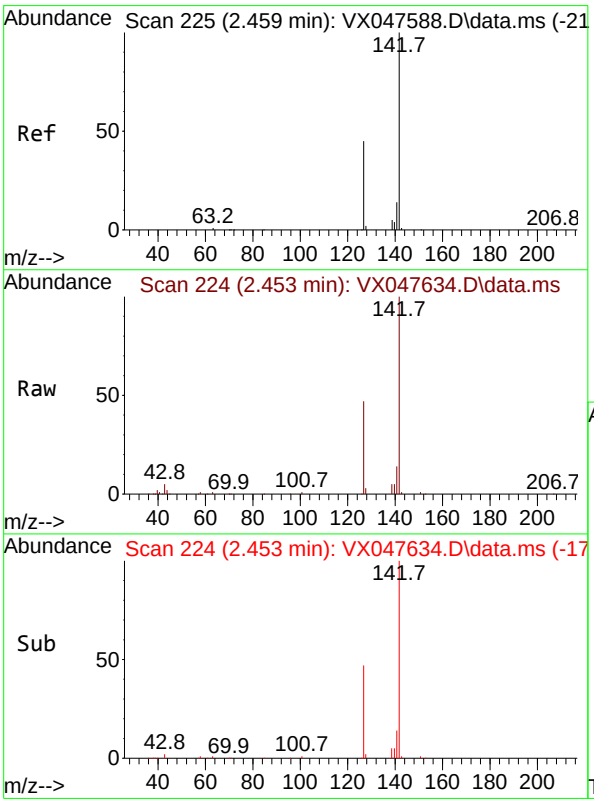
#9
1,1,2-Trichlorotrifluoroethane
Concen: 21.213 ug/l
RT: 2.331 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047634.D
Acq: 18 Sep 2025 12:45

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBS01

Tgt Ion:101 Resp: 45334

Ion	Ratio	Lower	Upper
101	100		
85	43.8	35.5	53.3
151	73.6	59.4	89.0

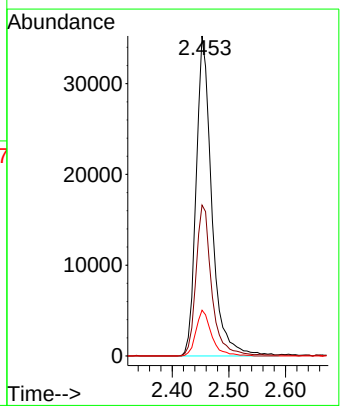


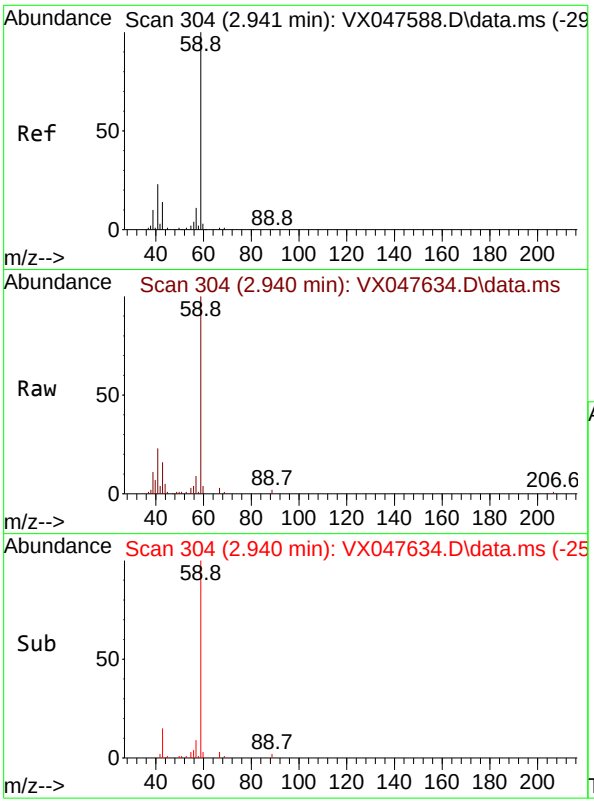


#10
Methyl Iodide
Concen: 20.337 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.006 min
Lab File: VX047634.D
Acq: 18 Sep 2025 12:45

Tgt Ion:142 Resp: 67783

Ion	Ratio	Lower	Upper
142	100		
127	46.9	37.2	55.8
141	14.2	11.4	17.0



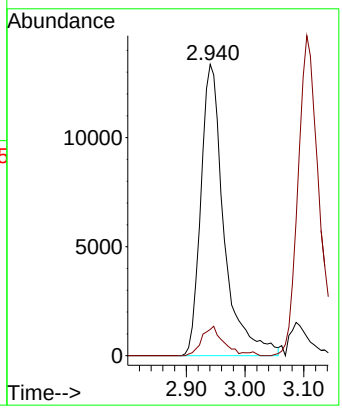


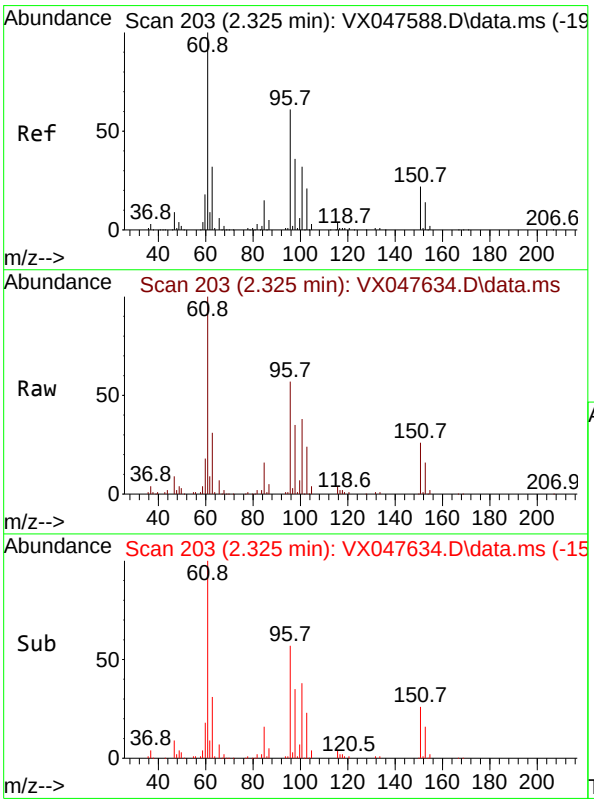
#11
Tert butyl alcohol
Concen: 111.816 ug/l
RT: 2.940 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047634.D
Acq: 18 Sep 2025 12:45

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBS01

Tgt Ion: 59 Resp: 36625

Ion	Ratio	Lower	Upper
59	100		
57	9.3	8.3	12.5

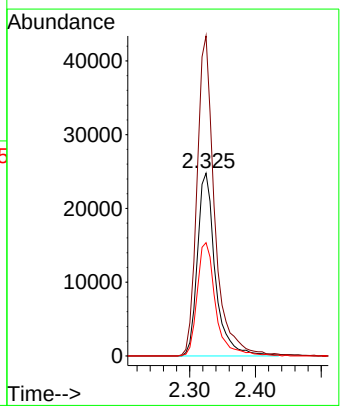


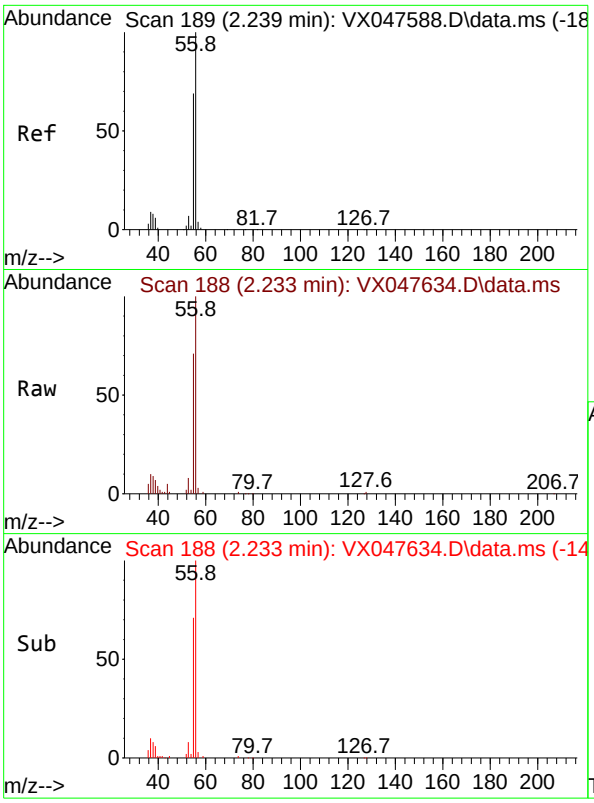


#12
1,1-Dichloroethene
Concen: 21.302 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX047634.D
Acq: 18 Sep 2025 12:45

Tgt Ion: 96 Resp: 46762

Ion	Ratio	Lower	Upper
96	100		
61	175.2	131.0	196.6
98	62.0	47.7	71.5



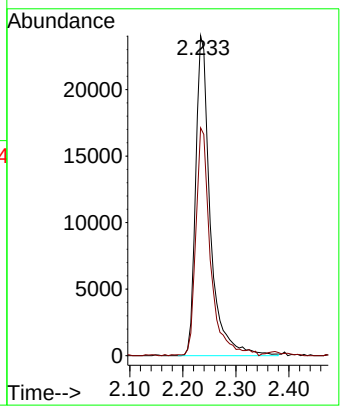


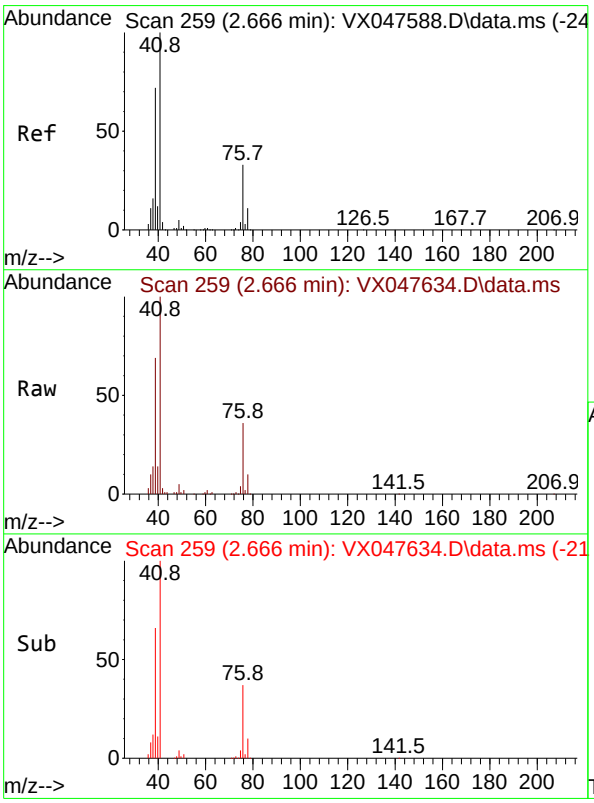
#13
Acrolein
Concen: 152.577 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047634.D
Acq: 18 Sep 2025 12:45

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBS01

Tgt Ion: 56 Resp: 46054

Ion	Ratio	Lower	Upper
56	100		
55	71.5	57.2	85.8

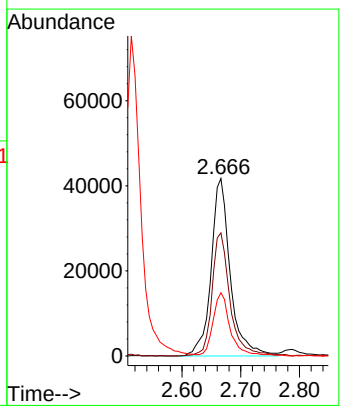


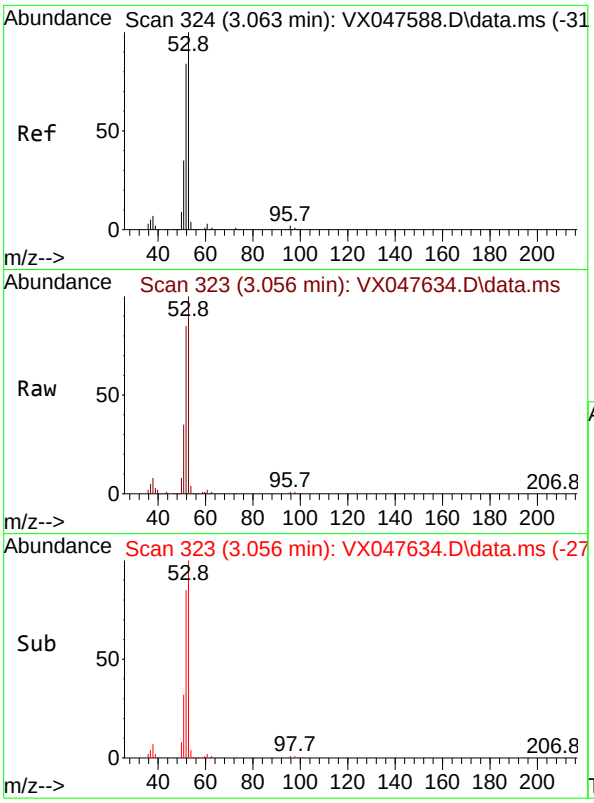


#14
Allyl chloride
Concen: 20.918 ug/l
RT: 2.666 min Scan# 259
Delta R.T. -0.000 min
Lab File: VX047634.D
Acq: 18 Sep 2025 12:45

Tgt Ion: 41 Resp: 94754

Ion	Ratio	Lower	Upper
41	100		
39	65.1	54.7	82.1
76	32.0	25.7	38.5



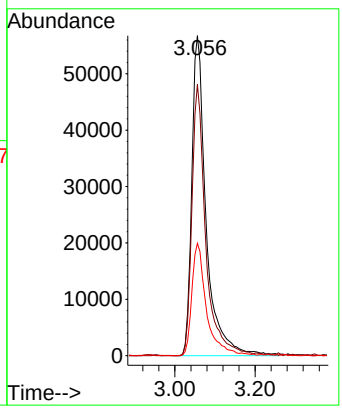


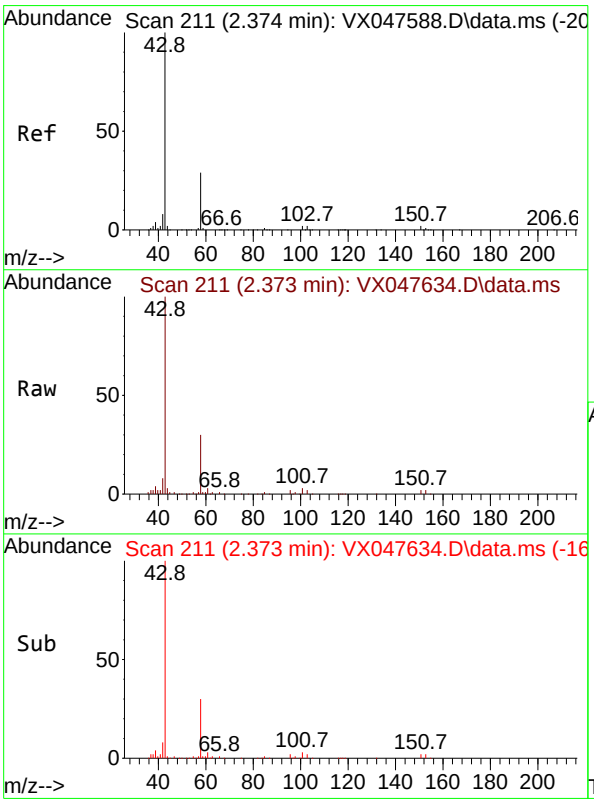
#15
Acrylonitrile
Concen: 116.359 ug/l
RT: 3.056 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047634.D
Acq: 18 Sep 2025 12:45

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBS01

Tgt Ion: 53 Resp: 141174

Ion	Ratio	Lower	Upper
53	100		
52	81.4	66.4	99.6
51	36.0	29.5	44.3

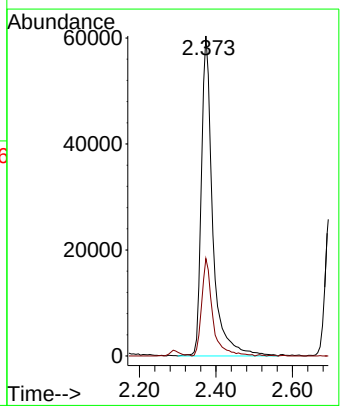


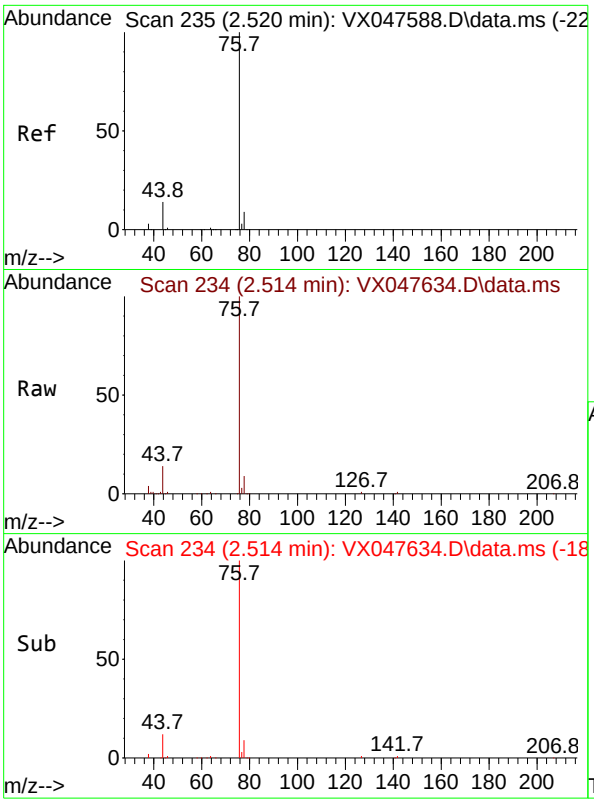


#16
Acetone
Concen: 97.294 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX047634.D
Acq: 18 Sep 2025 12:45

Tgt Ion: 43 Resp: 124415

Ion	Ratio	Lower	Upper
43	100		
58	31.5	23.4	35.0



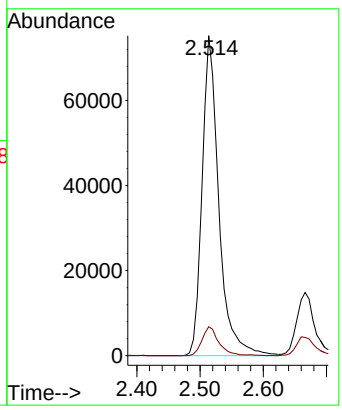


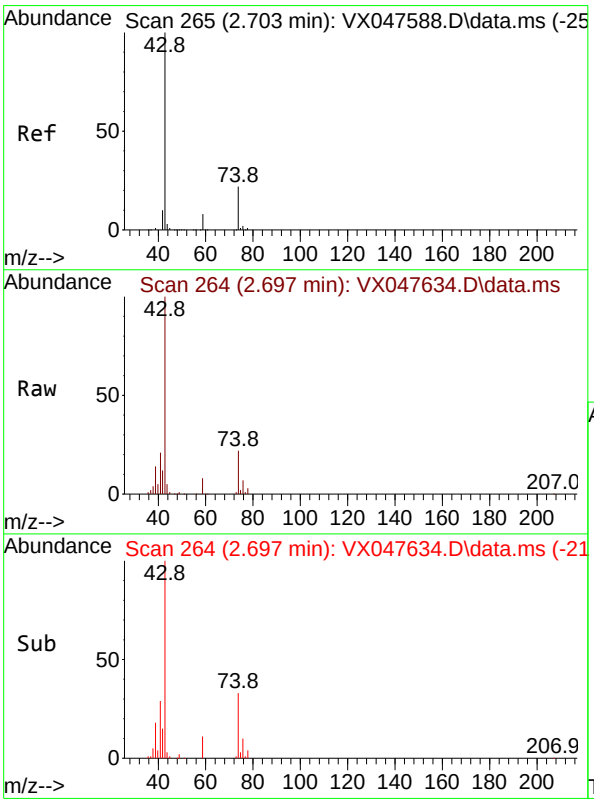
#17
Carbon Disulfide
Concen: 23.029 ug/l
RT: 2.514 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047634.D
Acq: 18 Sep 2025 12:45

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBS01

Tgt Ion: 76 Resp: 138396

Ion	Ratio	Lower	Upper
76	100		
78	9.1	6.8	10.2

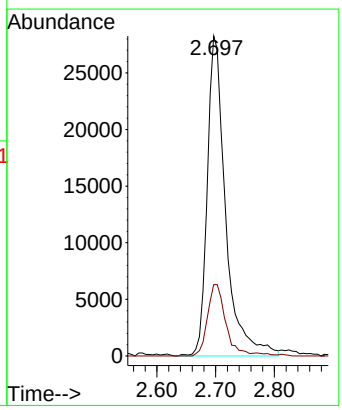


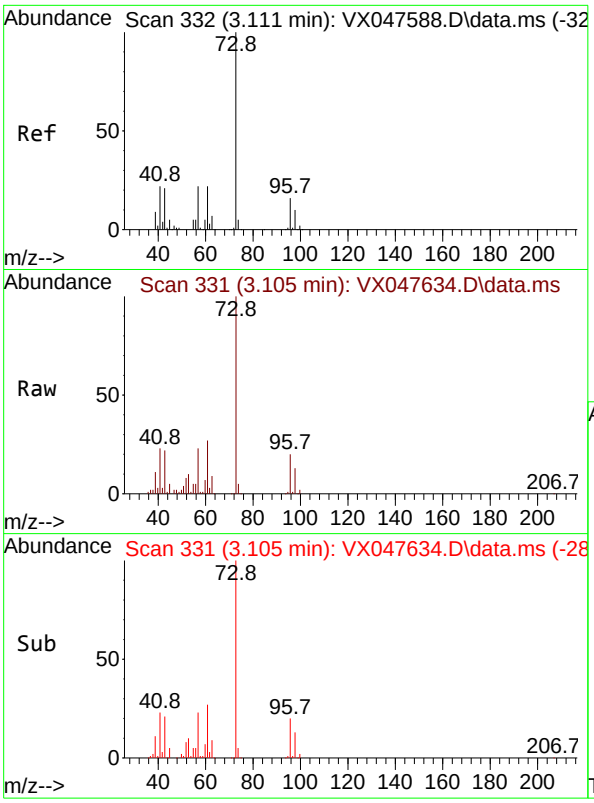


#18
Methyl Acetate
Concen: 21.591 ug/l
RT: 2.697 min Scan# 264
Delta R.T. -0.006 min
Lab File: VX047634.D
Acq: 18 Sep 2025 12:45

Tgt Ion: 43 Resp: 61444

Ion	Ratio	Lower	Upper
43	100		
74	21.9	17.4	26.2



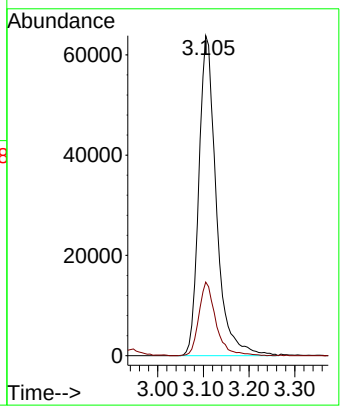


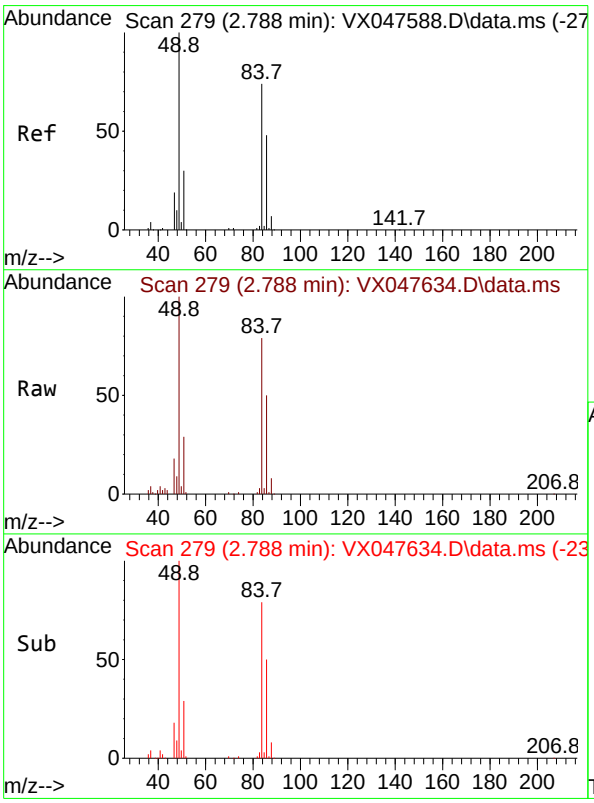
#19
Methyl tert-butyl Ether
Concen: 21.145 ug/l
RT: 3.105 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047634.D
Acq: 18 Sep 2025 12:45

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBS01

Tgt Ion: 73 Resp: 169441

Ion	Ratio	Lower	Upper
73	100		
57	23.0	17.4	26.2

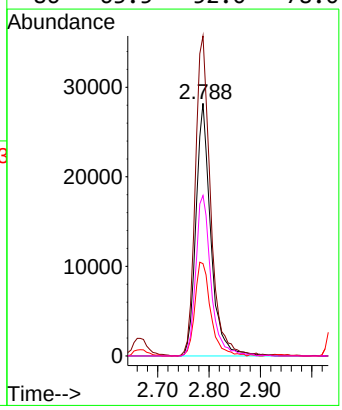


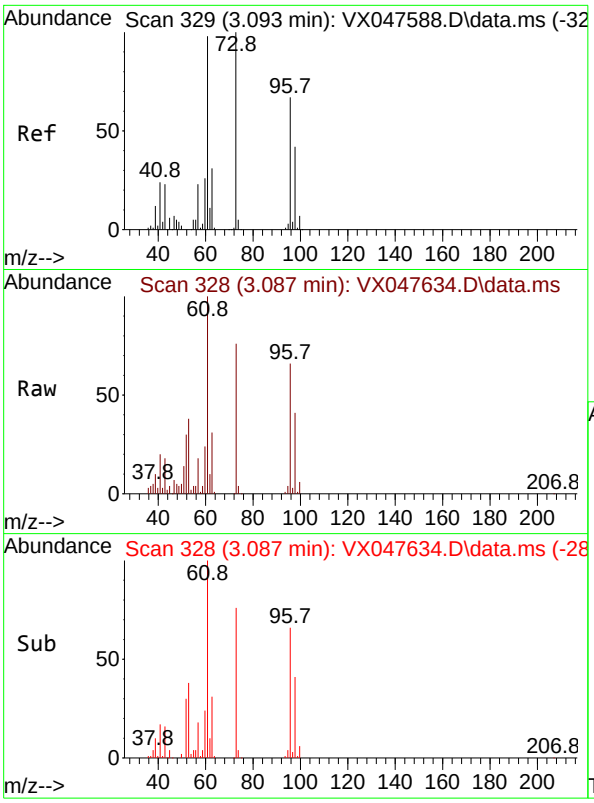


#20
Methylene Chloride
Concen: 20.910 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX047634.D
Acq: 18 Sep 2025 12:45

Tgt Ion: 84 Resp: 56600

Ion	Ratio	Lower	Upper
84	100		
49	126.7	108.6	162.8
51	36.6	32.6	48.8
86	63.5	52.0	78.0



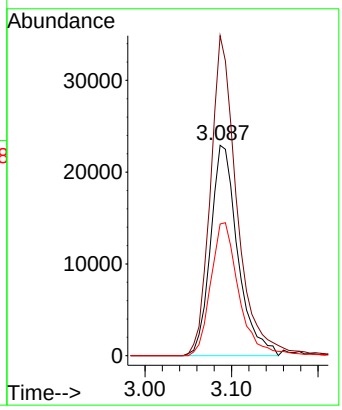


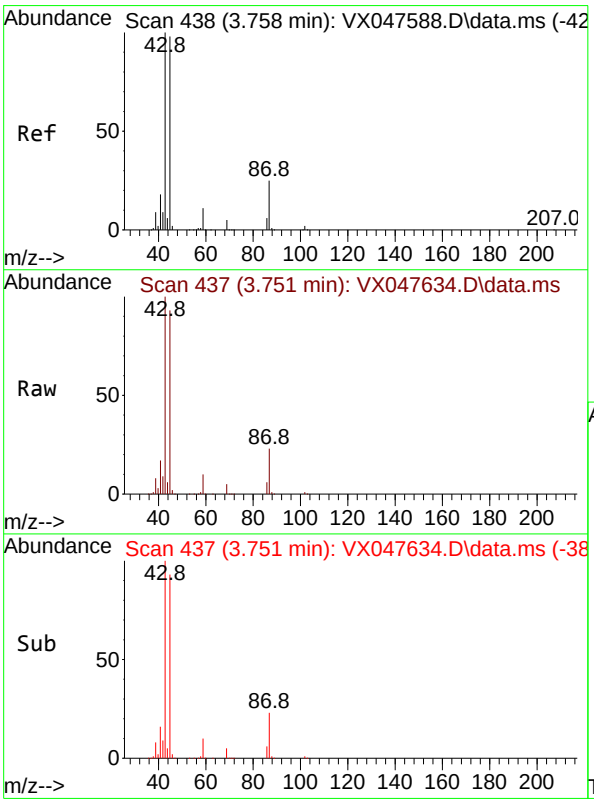
#21
trans-1,2-Dichloroethene
Concen: 21.132 ug/l
RT: 3.087 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047634.D
Acq: 18 Sep 2025 12:45

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBS01

Tgt Ion: 96 Resp: 49944

Ion	Ratio	Lower	Upper
96	100		
61	152.0	116.2	174.2
98	62.6	49.3	73.9

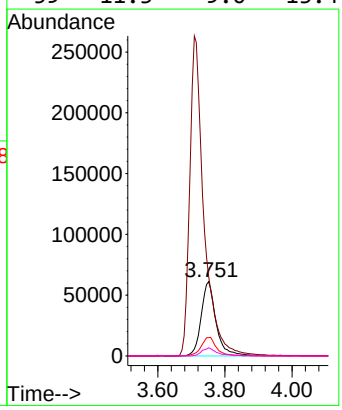


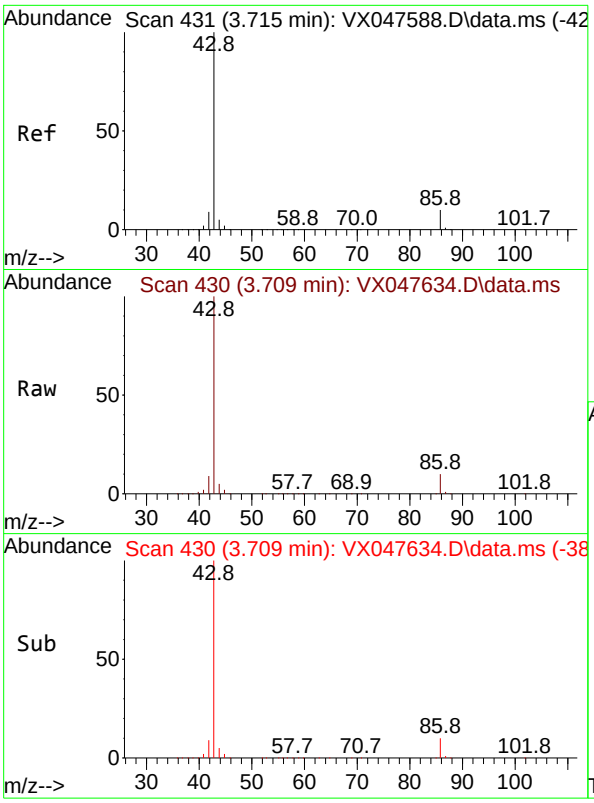


#22
Diisopropyl ether
Concen: 21.485 ug/l
RT: 3.751 min Scan# 437
Delta R.T. -0.006 min
Lab File: VX047634.D
Acq: 18 Sep 2025 12:45

Tgt Ion: 45 Resp: 188618

Ion	Ratio	Lower	Upper
45	100		
43	106.9	81.0	121.4
87	24.6	20.3	30.5
59	11.3	9.0	13.4



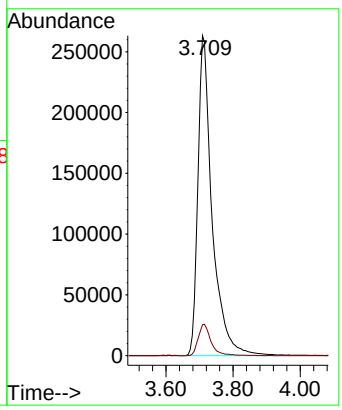


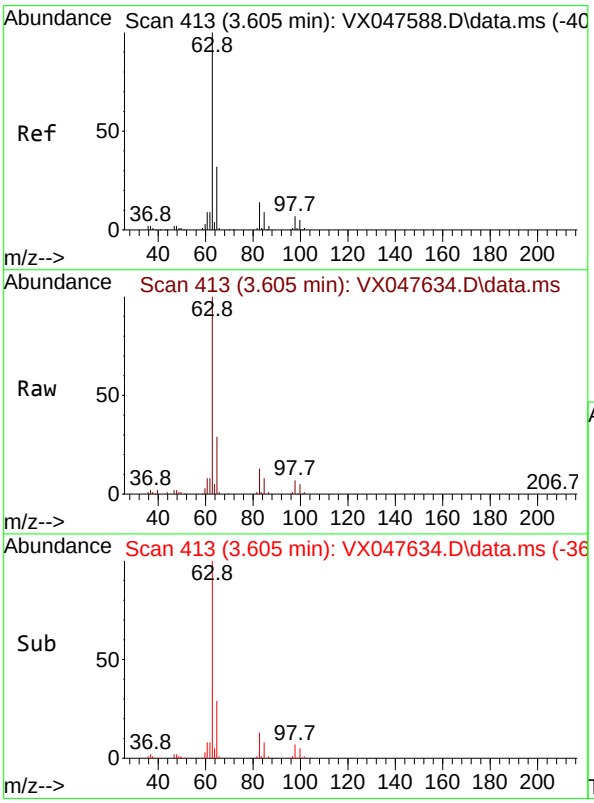
#23
Vinyl Acetate
Concen: 110.425 ug/l
RT: 3.709 min Scan# 4
Delta R.T. -0.006 min
Lab File: VX047634.D
Acq: 18 Sep 2025 12:45

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBS01

Tgt Ion: 43 Resp: 775875

Ion	Ratio	Lower	Upper
43	100		
86	9.7	7.8	11.8

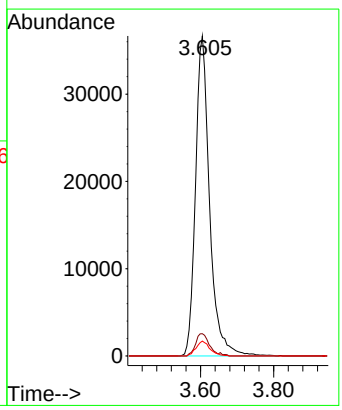


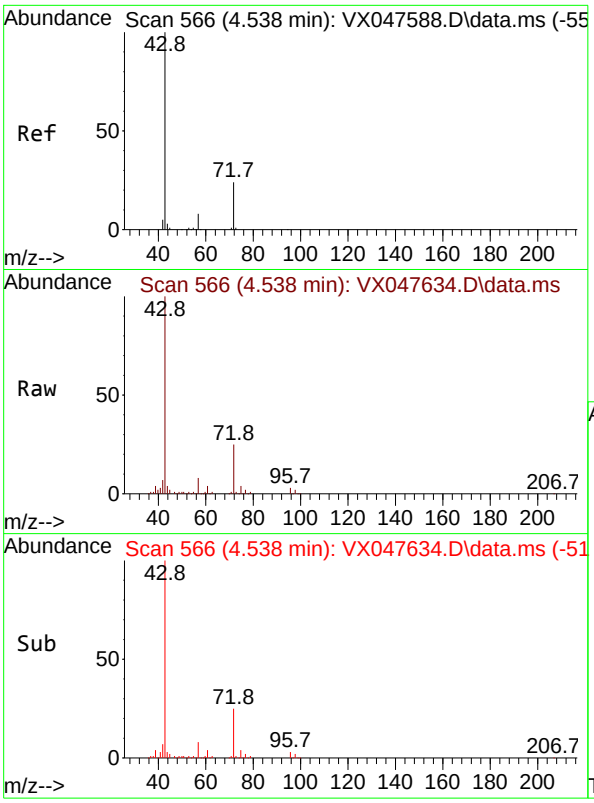


#24
1,1-Dichloroethane
Concen: 21.069 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX047634.D
Acq: 18 Sep 2025 12:45

Tgt Ion: 63 Resp: 98312

Ion	Ratio	Lower	Upper
63	100		
98	6.9	3.8	11.2
100	4.7	2.3	6.9



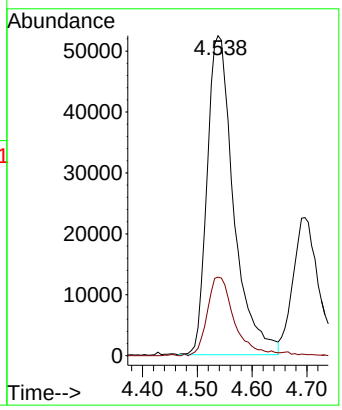


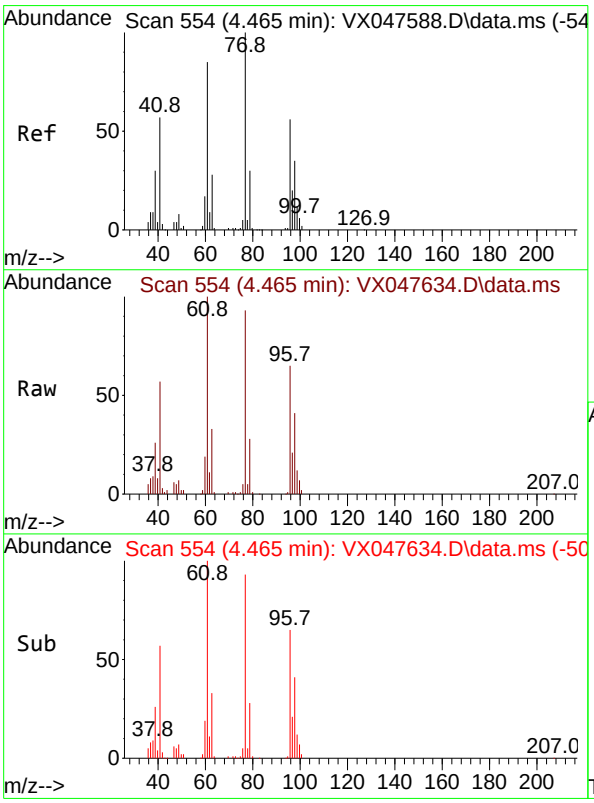
#25
2-Butanone
Concen: 110.456 ug/l
RT: 4.538 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX047634.D
Acq: 18 Sep 2025 12:45

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBS01

Tgt Ion: 43 Resp: 176186

Ion	Ratio	Lower	Upper
43	100		
72	24.2	20.1	30.1

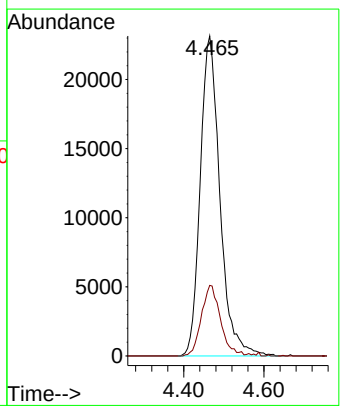


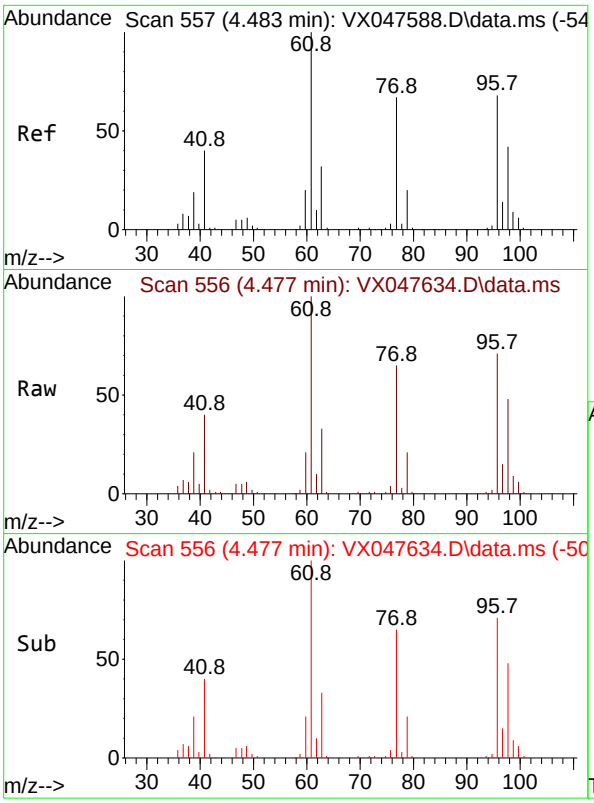


#26
2,2-Dichloropropane
Concen: 20.298 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.000 min
Lab File: VX047634.D
Acq: 18 Sep 2025 12:45

Tgt Ion: 77 Resp: 78730

Ion	Ratio	Lower	Upper
77	100		
97	21.4	10.9	32.7



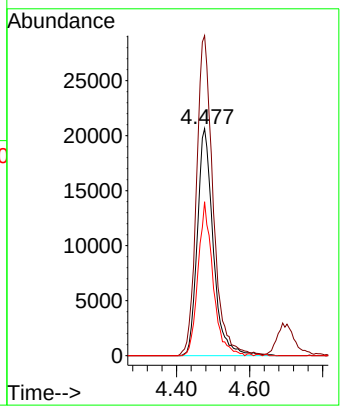


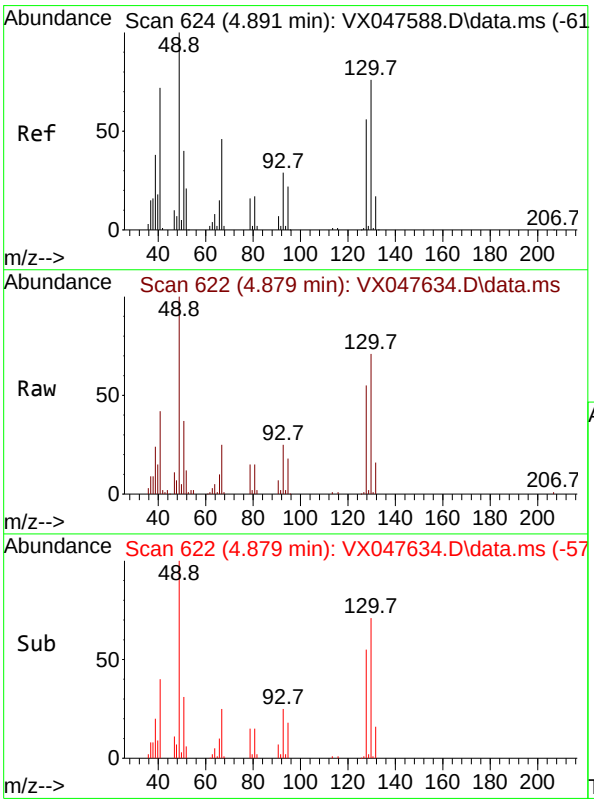
#27
cis-1,2-Dichloroethene
Concen: 21.517 ug/l
RT: 4.477 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX047634.D
Acq: 18 Sep 2025 12:45

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBS01

Tgt Ion: 96 Resp: 62278

Ion	Ratio	Lower	Upper
96	100		
61	147.7	0.0	303.2
98	63.9	0.0	127.8

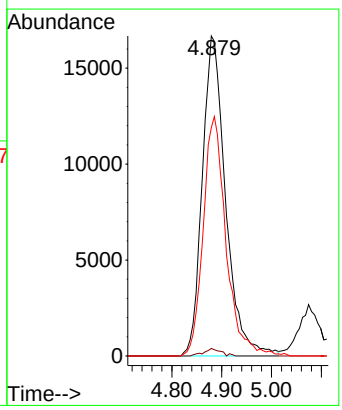


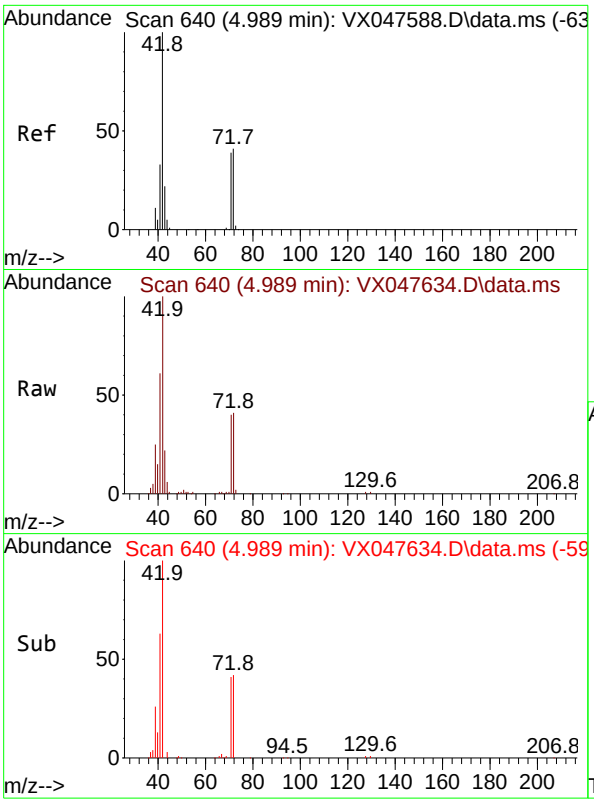


#28
Bromochloromethane
Concen: 26.630 ug/l
RT: 4.879 min Scan# 622
Delta R.T. -0.012 min
Lab File: VX047634.D
Acq: 18 Sep 2025 12:45

Tgt Ion: 49 Resp: 54248

Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.2
130	73.2	57.8	86.8



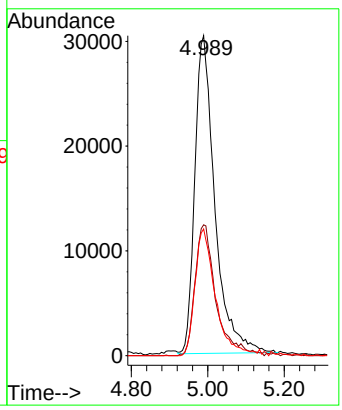


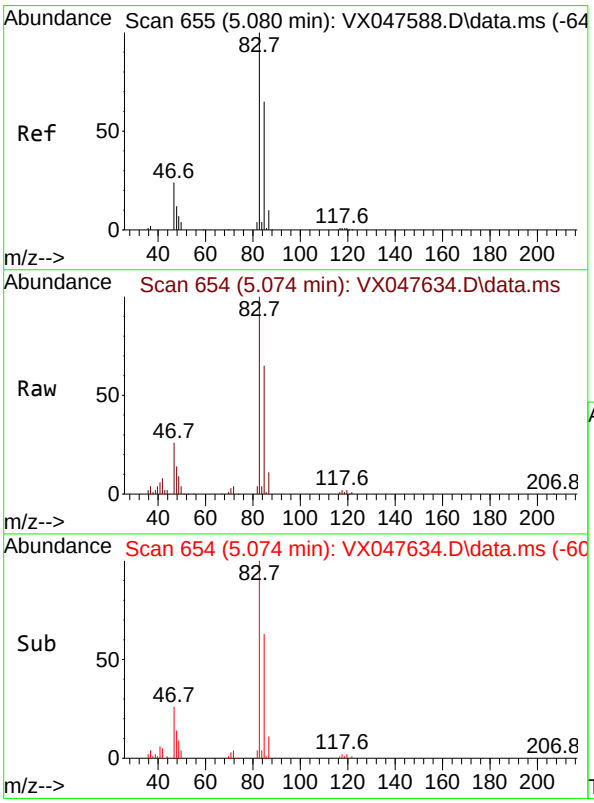
#29
Tetrahydrofuran
Concen: 115.041 ug/l
RT: 4.989 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX047634.D
Acq: 18 Sep 2025 12:45

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBS01

Tgt Ion: 42 Resp: 110389

Ion	Ratio	Lower	Upper
42	100		
72	42.9	34.2	51.2
71	40.2	31.9	47.9

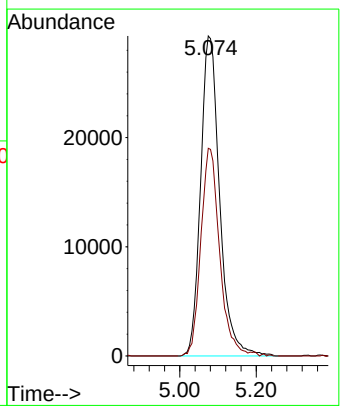


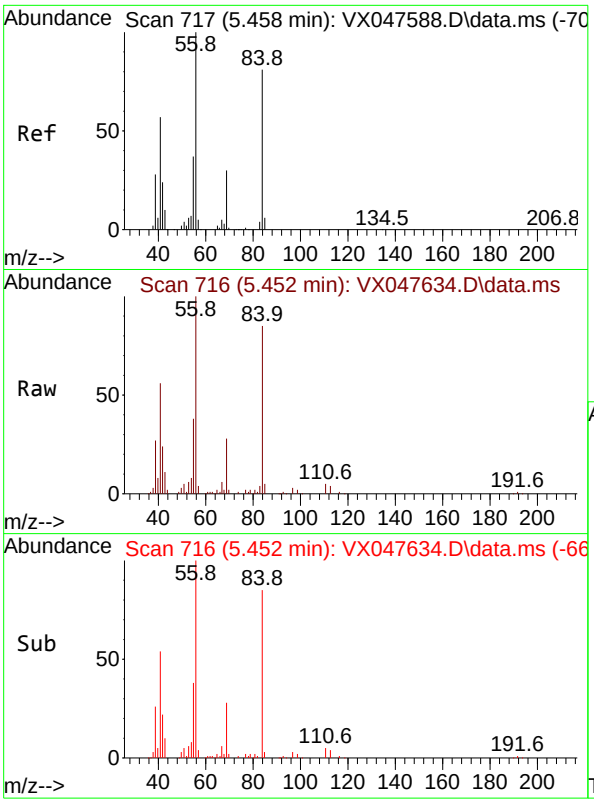


#30
Chloroform
Concen: 21.438 ug/l
RT: 5.074 min Scan# 654
Delta R.T. -0.006 min
Lab File: VX047634.D
Acq: 18 Sep 2025 12:45

Tgt Ion: 83 Resp: 101087

Ion	Ratio	Lower	Upper
83	100		
85	66.1	51.8	77.6



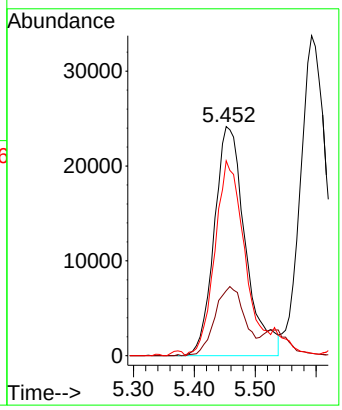


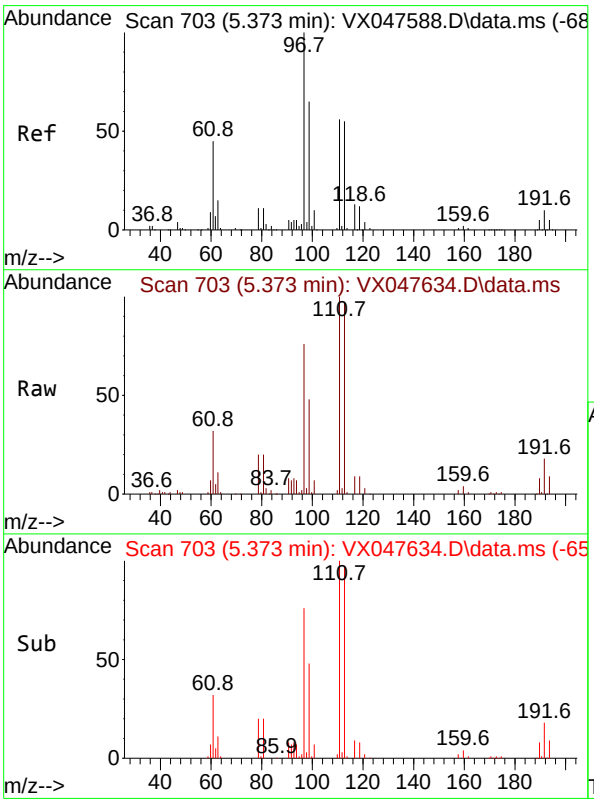
#31
Cyclohexane
Concen: 22.029 ug/l
RT: 5.452 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047634.D
Acq: 18 Sep 2025 12:45

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBS01

Tgt Ion: 56 Resp: 85610

Ion	Ratio	Lower	Upper
56	100		
69	29.5	23.8	35.8
84	82.9	64.6	97.0

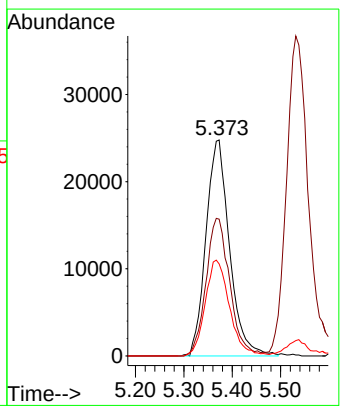


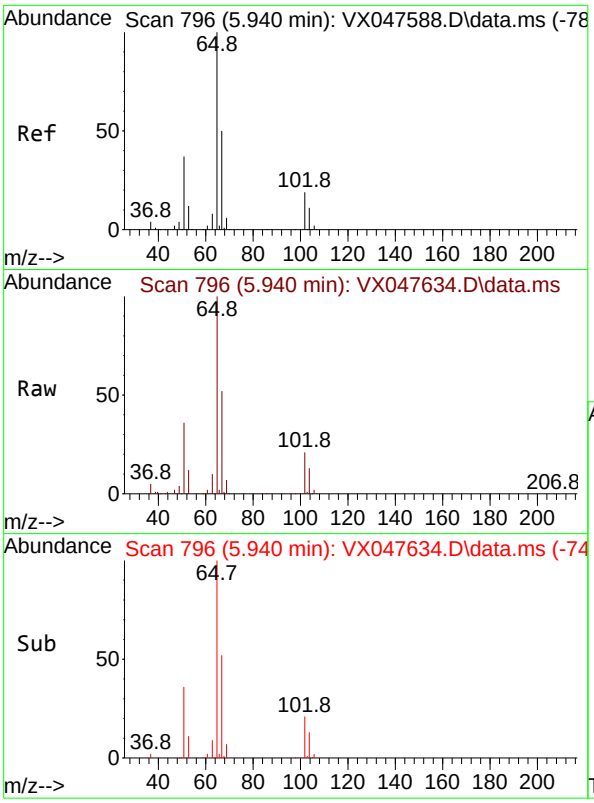


#32
1,1,1-Trichloroethane
Concen: 20.990 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX047634.D
Acq: 18 Sep 2025 12:45

Tgt Ion: 97 Resp: 83950

Ion	Ratio	Lower	Upper
97	100		
99	64.3	50.6	76.0
61	45.7	35.8	53.8



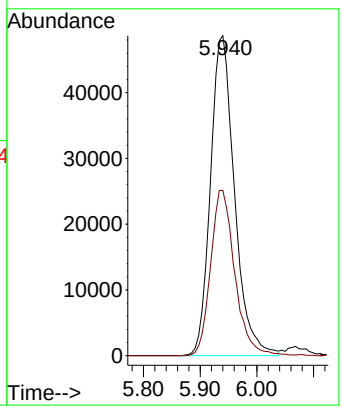


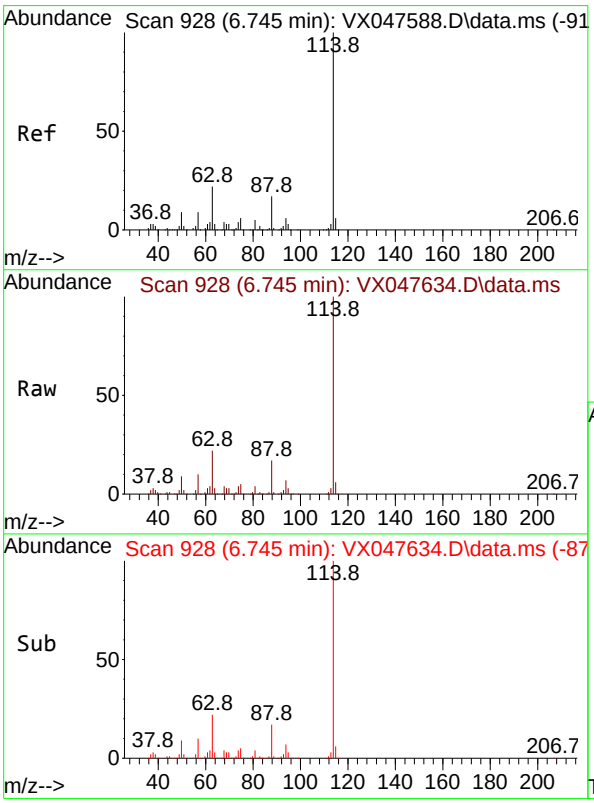
#33
1,2-Dichloroethane-d4
Concen: 48.696 ug/l
RT: 5.940 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047634.D
Acq: 18 Sep 2025 12:45

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBS01

Tgt Ion: 65 Resp: 143215

Ion	Ratio	Lower	Upper
65	100		
67	52.0	0.0	103.0

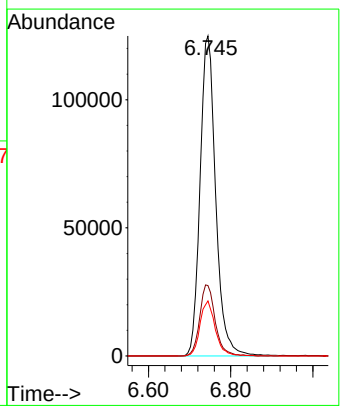


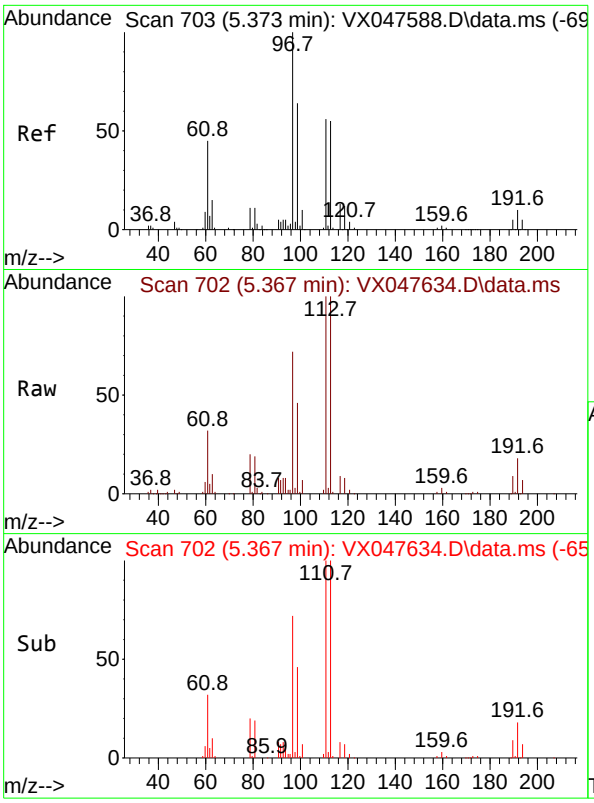


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 928
Delta R.T. -0.000 min
Lab File: VX047634.D
Acq: 18 Sep 2025 12:45

Tgt Ion:114 Resp: 329366

Ion	Ratio	Lower	Upper
114	100		
63	22.0	0.0	44.0
88	17.2	0.0	34.2



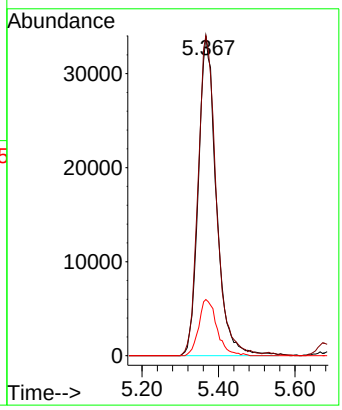


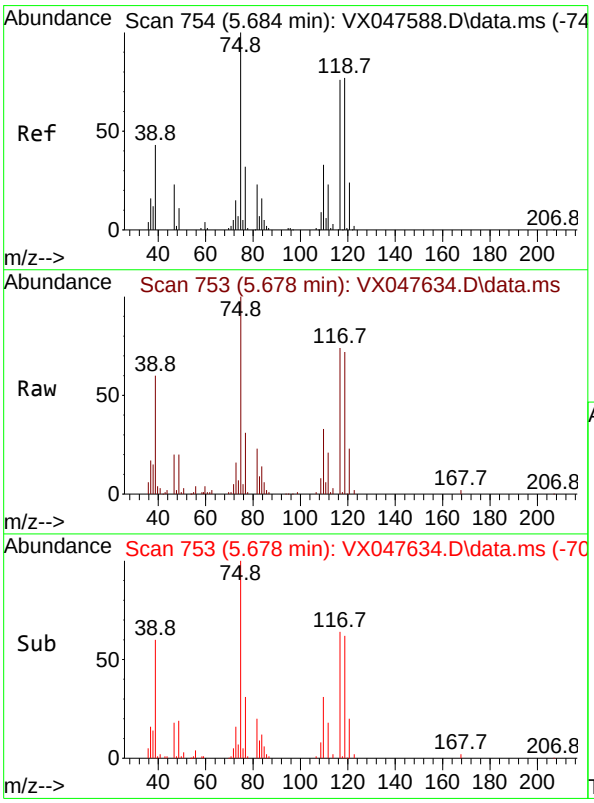
#35
Dibromofluoromethane
Concen: 50.021 ug/l
RT: 5.367 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047634.D
Acq: 18 Sep 2025 12:45

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBS01

Tgt Ion:113 Resp: 110491

Ion	Ratio	Lower	Upper
113	100		
111	102.0	80.9	121.3
192	17.9	14.2	21.4

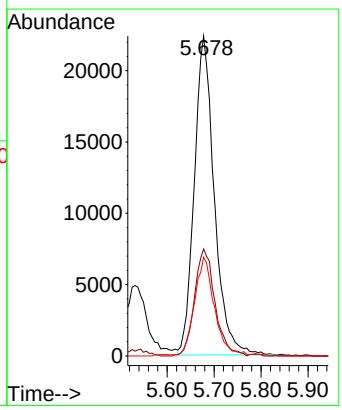


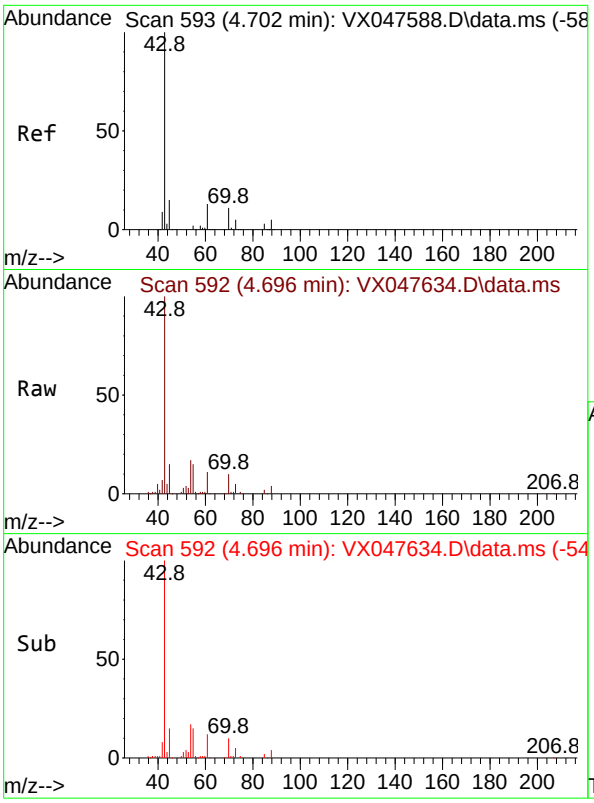


#36
1,1-Dichloropropene
Concen: 20.519 ug/l
RT: 5.678 min Scan# 753
Delta R.T. -0.006 min
Lab File: VX047634.D
Acq: 18 Sep 2025 12:45

Tgt Ion: 75 Resp: 66230

Ion	Ratio	Lower	Upper
75	100		
110	34.2	16.7	50.1
77	30.1	24.3	36.5



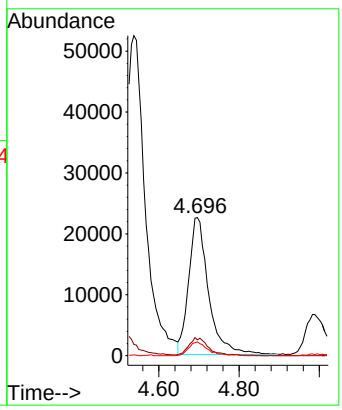


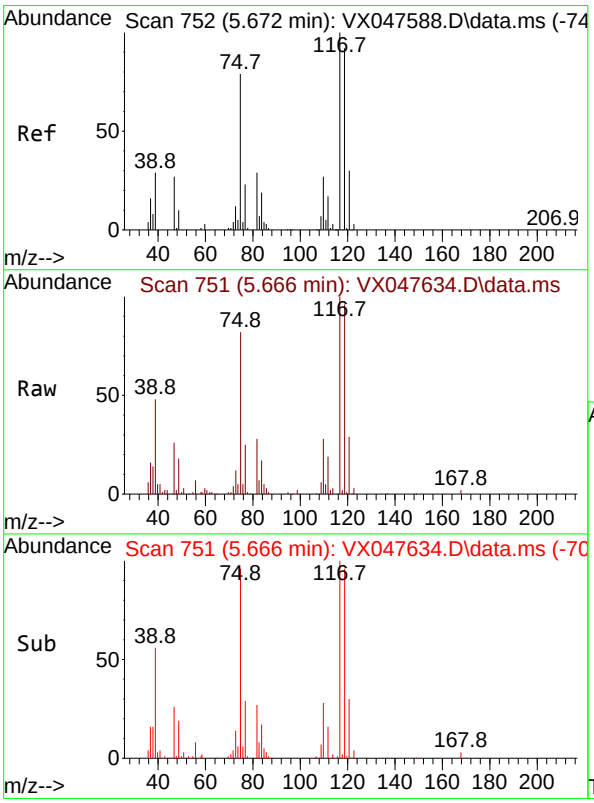
#37
Ethyl Acetate
Concen: 22.381 ug/l
RT: 4.696 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX047634.D
Acq: 18 Sep 2025 12:45

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBS01

Tgt Ion: 43 Resp: 77350

Ion	Ratio	Lower	Upper
43	100		
61	11.3	9.8	14.8
70	9.5	7.9	11.9

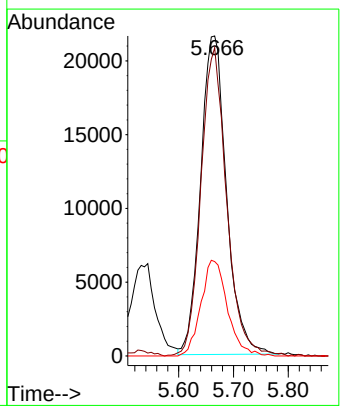


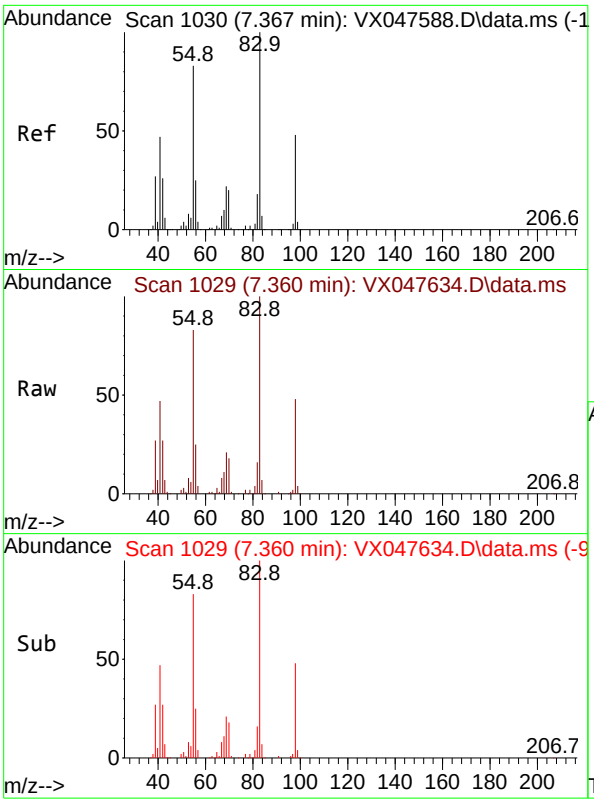


#38
Carbon Tetrachloride
Concen: 20.165 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX047634.D
Acq: 18 Sep 2025 12:45

Tgt Ion:117 Resp: 70717

Ion	Ratio	Lower	Upper
117	100		
119	96.1	73.4	110.2
121	29.7	23.8	35.6



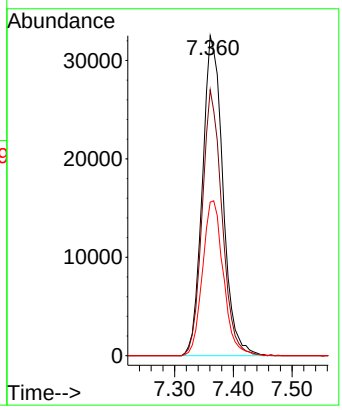


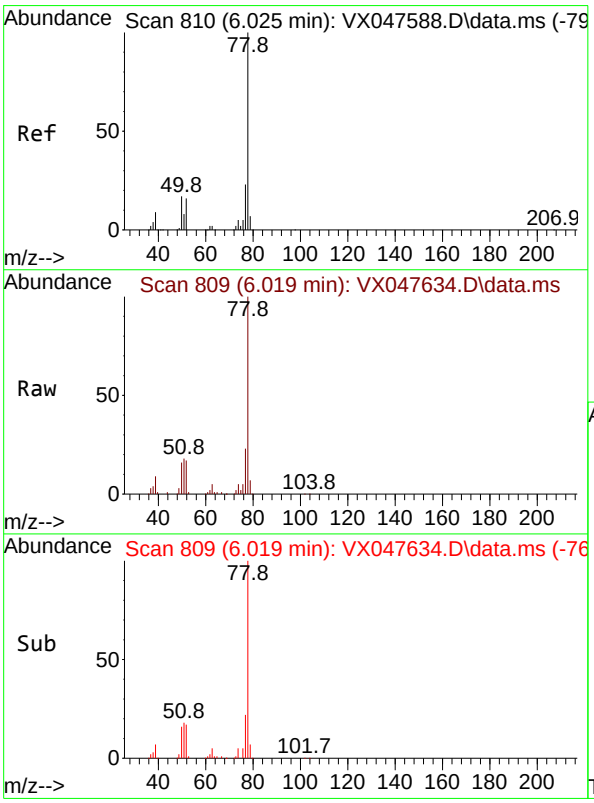
#39
Methylcyclohexane
Concen: 21.456 ug/l
RT: 7.360 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047634.D
Acq: 18 Sep 2025 12:45

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBS01

Tgt Ion: 83 Resp: 78612

Ion	Ratio	Lower	Upper
83	100		
55	83.1	66.4	99.6
98	48.0	38.1	57.1

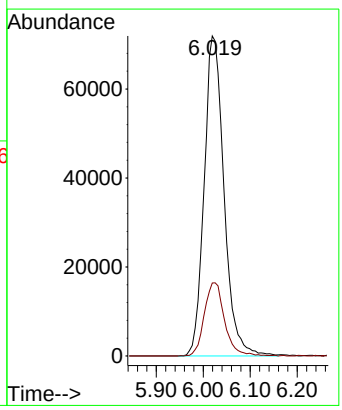


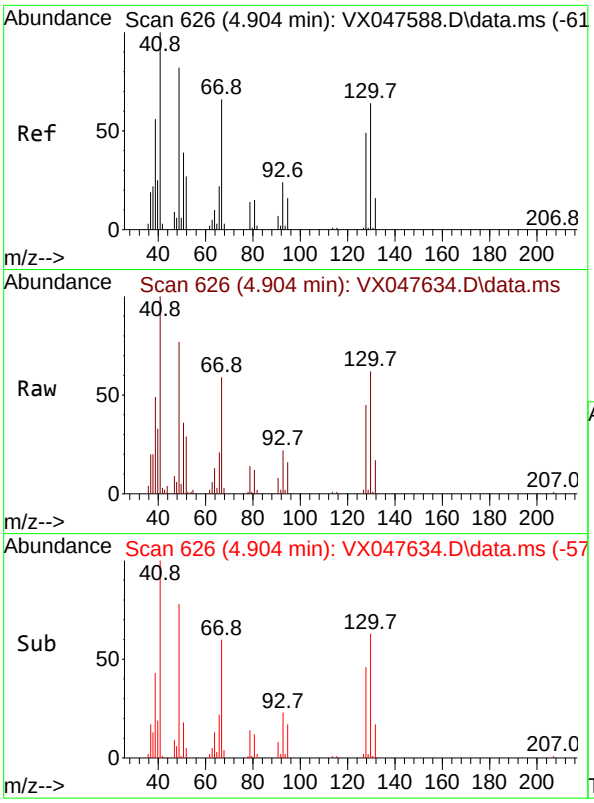


#40
Benzene
Concen: 21.519 ug/l
RT: 6.019 min Scan# 809
Delta R.T. -0.006 min
Lab File: VX047634.D
Acq: 18 Sep 2025 12:45

Tgt Ion: 78 Resp: 210958

Ion	Ratio	Lower	Upper
78	100		
77	22.8	18.8	28.2



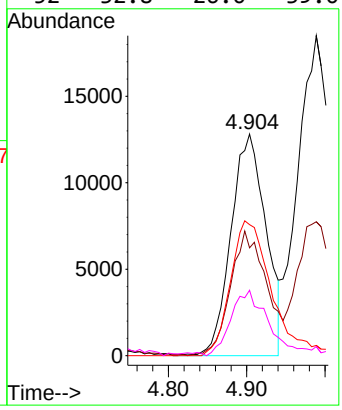


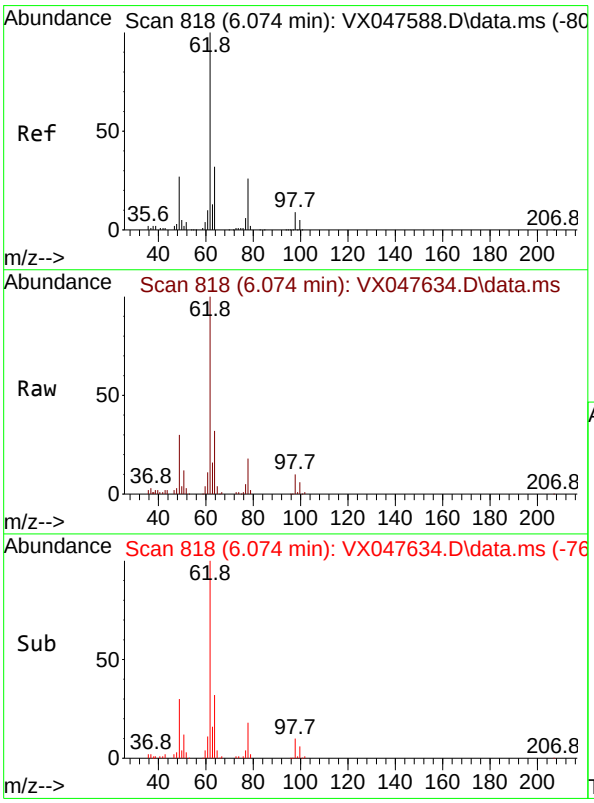
#41
Methacrylonitrile
Concen: 22.282 ug/l
RT: 4.904 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX047634.D
Acq: 18 Sep 2025 12:45

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBS01

Tgt Ion: 41 Resp: 39755

Ion	Ratio	Lower	Upper
41	100		
39	58.2	43.3	64.9
67	72.1	58.6	87.8
52	32.8	26.0	39.0

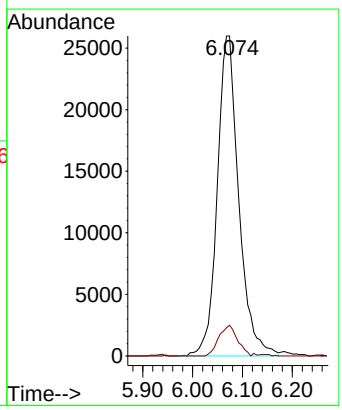


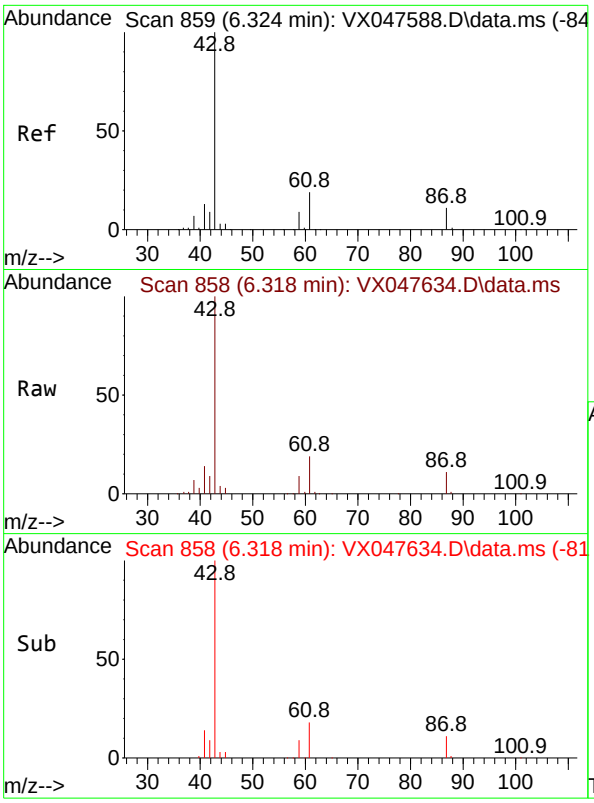


#42
1,2-Dichloroethane
Concen: 20.825 ug/l
RT: 6.074 min Scan# 818
Delta R.T. -0.000 min
Lab File: VX047634.D
Acq: 18 Sep 2025 12:45

Tgt Ion: 62 Resp: 77680

Ion	Ratio	Lower	Upper
62	100		
98	8.3	0.0	17.0



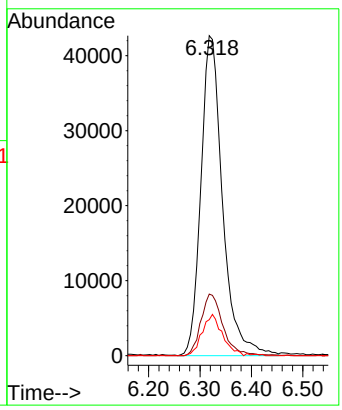


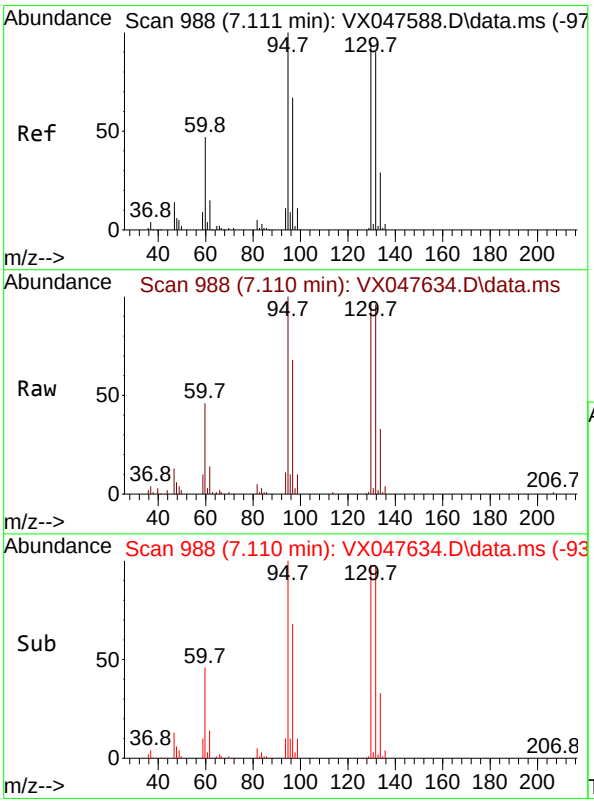
#43
Isopropyl Acetate
Concen: 22.001 ug/l
RT: 6.318 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX047634.D
Acq: 18 Sep 2025 12:45

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBS01

Tgt Ion: 43 Resp: 124705

Ion	Ratio	Lower	Upper
43	100		
61	19.7	15.2	22.8
87	12.0	9.6	14.4

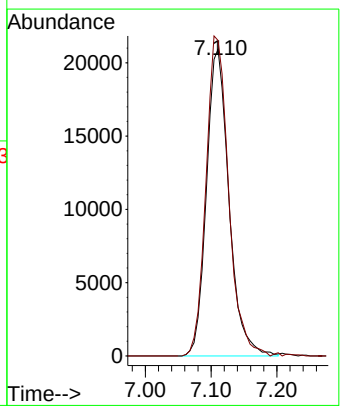


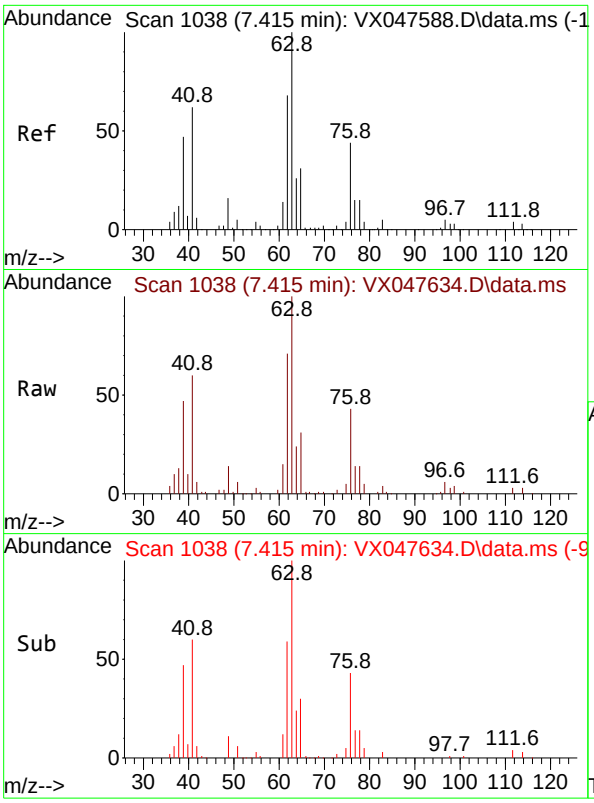


#44
Trichloroethene
Concen: 21.048 ug/l
RT: 7.110 min Scan# 988
Delta R.T. -0.000 min
Lab File: VX047634.D
Acq: 18 Sep 2025 12:45

Tgt Ion:130 Resp: 49886

Ion	Ratio	Lower	Upper
130	100		
95	102.9	0.0	210.8



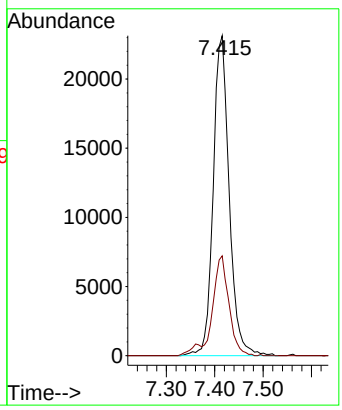


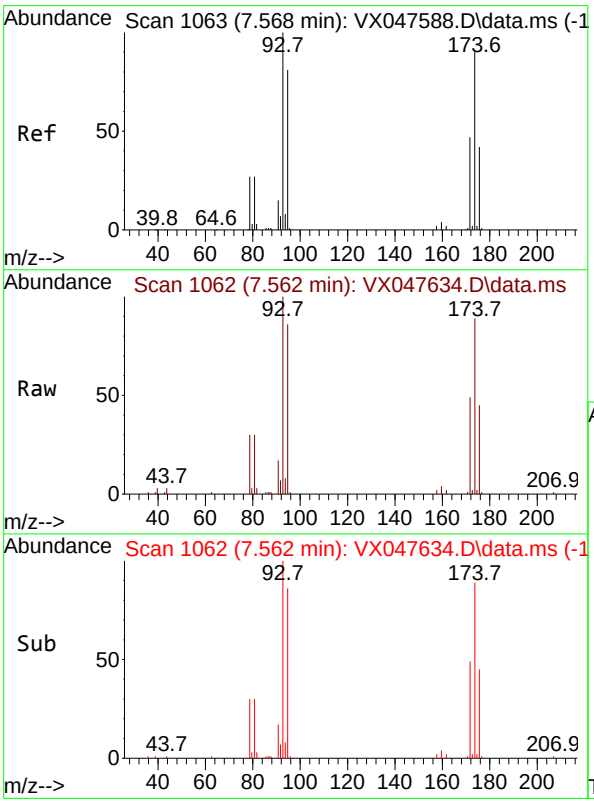
#45
1,2-Dichloropropane
Concen: 21.151 ug/l
RT: 7.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047634.D
Acq: 18 Sep 2025 12:45

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBS01

Tgt Ion: 63 Resp: 53095

Ion	Ratio	Lower	Upper
63	100		
65	31.2	24.7	37.1

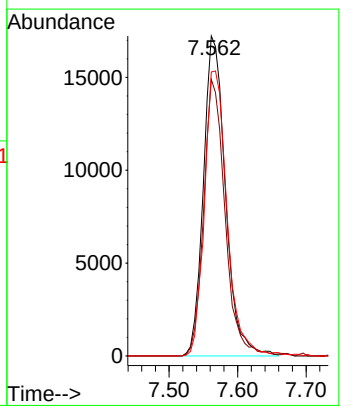


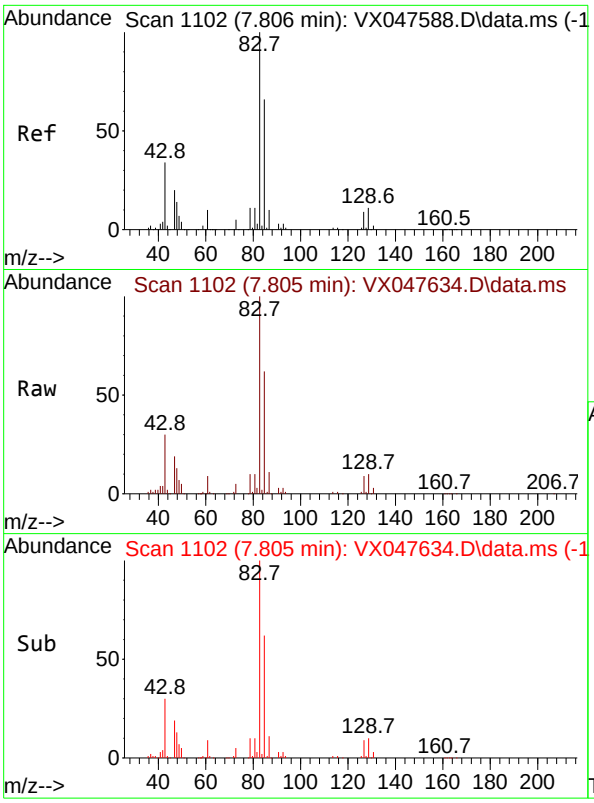


#46
Dibromomethane
Concen: 21.089 ug/l
RT: 7.562 min Scan# 1062
Delta R.T. -0.006 min
Lab File: VX047634.D
Acq: 18 Sep 2025 12:45

Tgt Ion: 93 Resp: 38524

Ion	Ratio	Lower	Upper
93	100		
95	83.6	65.0	97.6
174	90.9	71.6	107.4



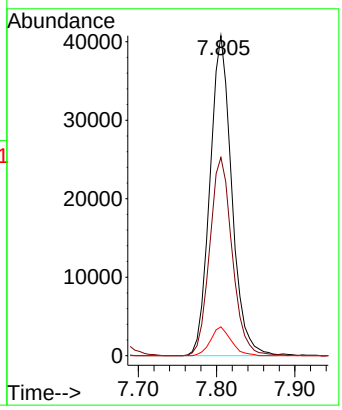


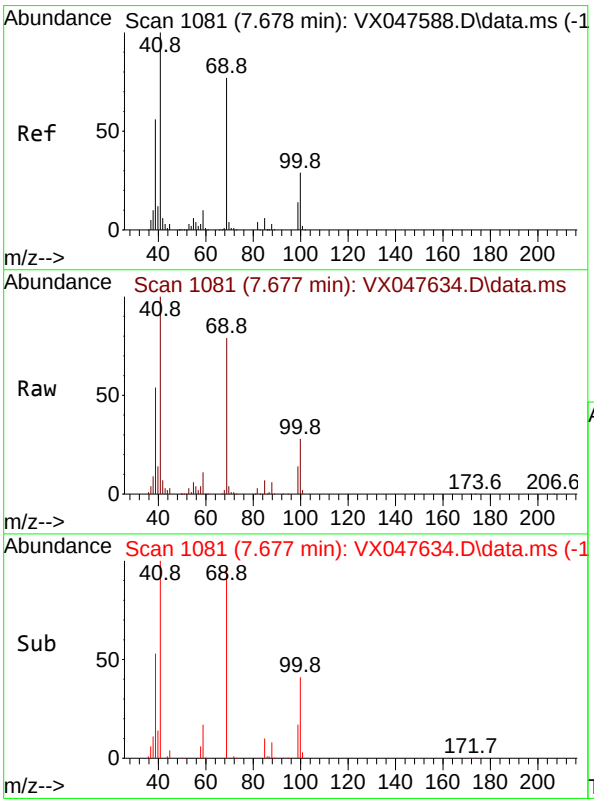
#47
Bromodichloromethane
Concen: 20.923 ug/l
RT: 7.805 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX047634.D
Acq: 18 Sep 2025 12:45

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBS01

Tgt Ion: 83 Resp: 78870

Ion	Ratio	Lower	Upper
83	100		
85	61.9	52.5	78.7
127	9.0	6.9	10.3

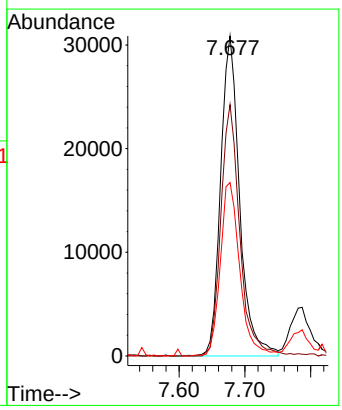


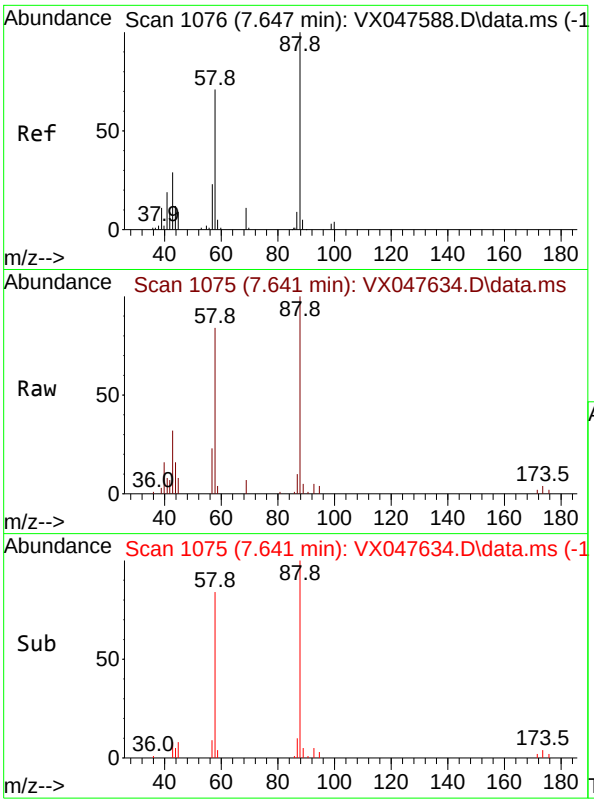


#48
Methyl methacrylate
Concen: 21.998 ug/l
RT: 7.677 min Scan# 1081
Delta R.T. -0.000 min
Lab File: VX047634.D
Acq: 18 Sep 2025 12:45

Tgt Ion: 41 Resp: 62106

Ion	Ratio	Lower	Upper
41	100		
69	78.7	61.4	92.2
39	55.8	45.8	68.6



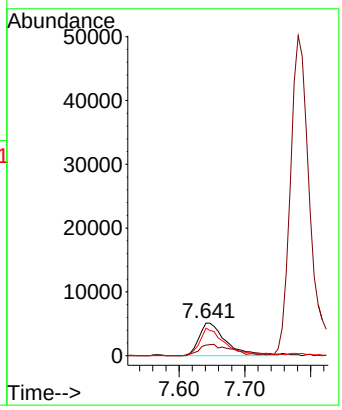


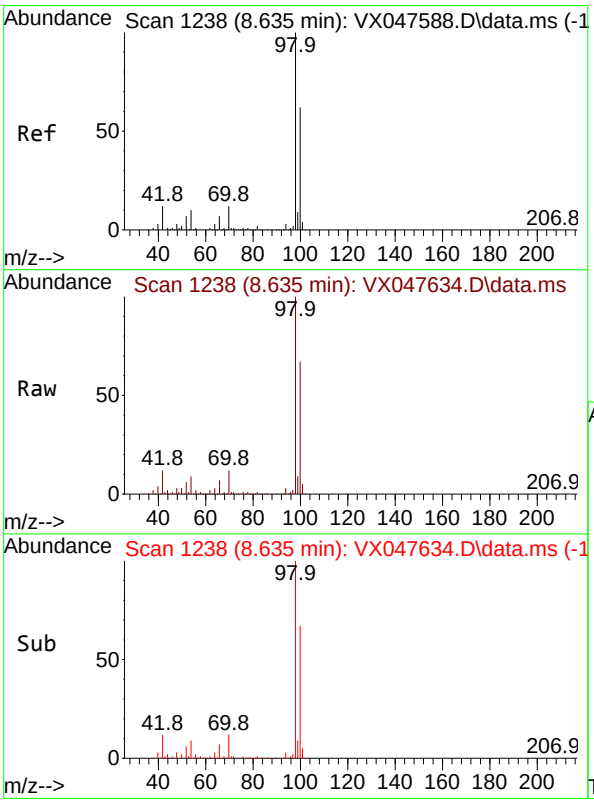
#49
1,4-Dioxane
Concen: 512.327 ug/l
RT: 7.641 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047634.D
Acq: 18 Sep 2025 12:45

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBS01

Tgt Ion: 88 Resp: 14618

Ion	Ratio	Lower	Upper
88	100		
43	41.4	30.2	45.2
58	80.3	59.5	89.3

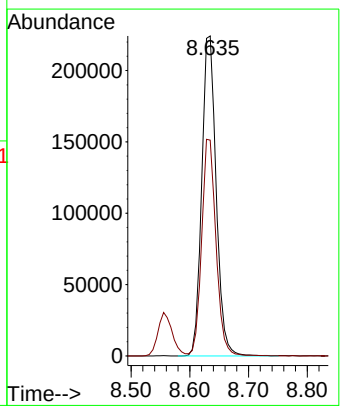


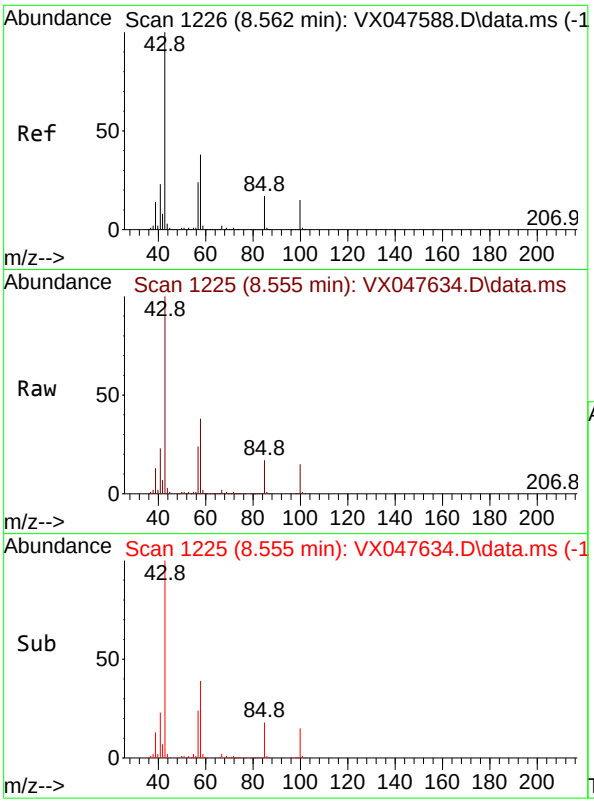


#50
Toluene-d8
Concen: 50.094 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX047634.D
Acq: 18 Sep 2025 12:45

Tgt Ion: 98 Resp: 382885

Ion	Ratio	Lower	Upper
98	100		
100	67.4	53.0	79.4



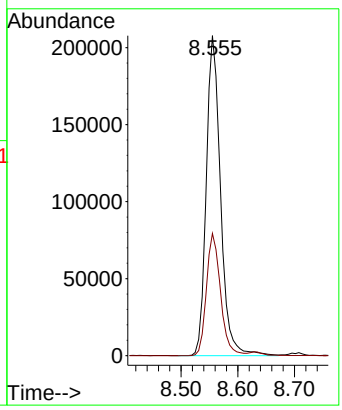


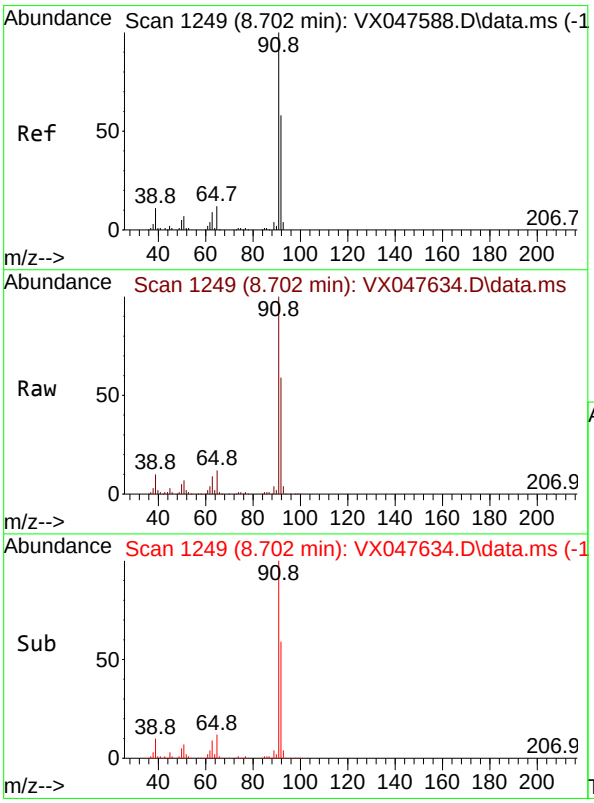
#51
4-Methyl-2-Pentanone
Concen: 115.821 ug/l
RT: 8.555 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047634.D
Acq: 18 Sep 2025 12:45

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBS01

Tgt Ion: 43 Resp: 363981

Ion	Ratio	Lower	Upper
43	100		
58	37.6	30.3	45.5

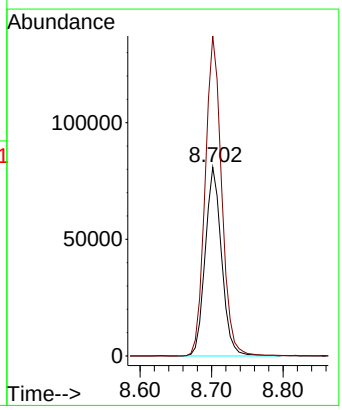


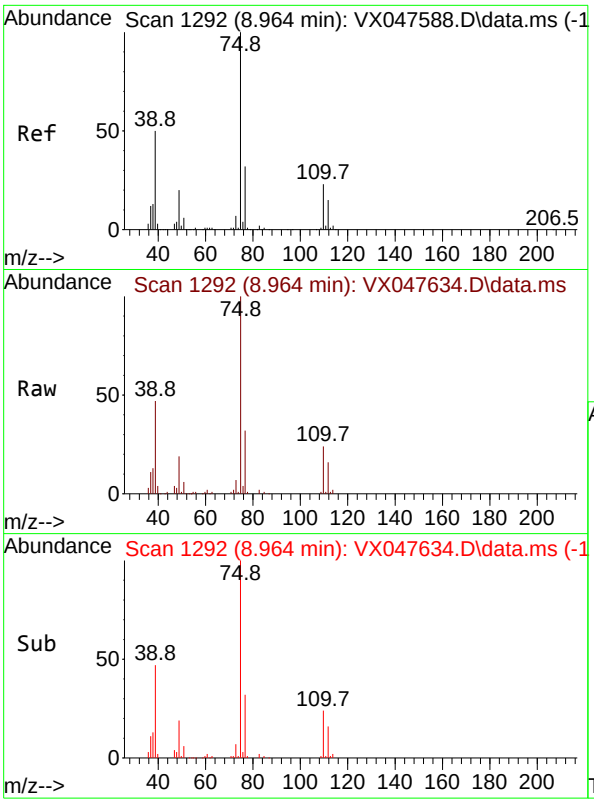


#52
Toluene
Concen: 21.291 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX047634.D
Acq: 18 Sep 2025 12:45

Tgt Ion: 92 Resp: 128593

Ion	Ratio	Lower	Upper
92	100		
91	171.0	137.1	205.7



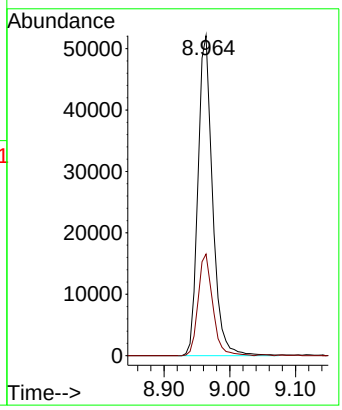


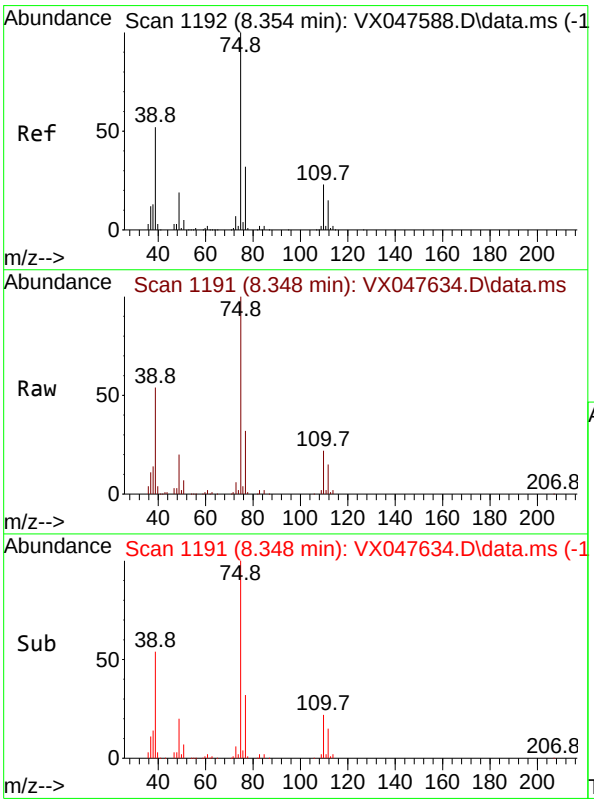
#53
t-1,3-Dichloropropene
Concen: 20.908 ug/l
RT: 8.964 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047634.D
Acq: 18 Sep 2025 12:45

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBS01

Tgt Ion: 75 Resp: 80393

Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.4	38.2

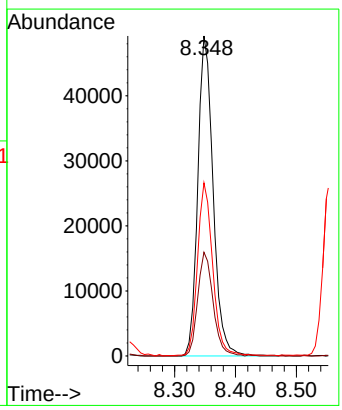


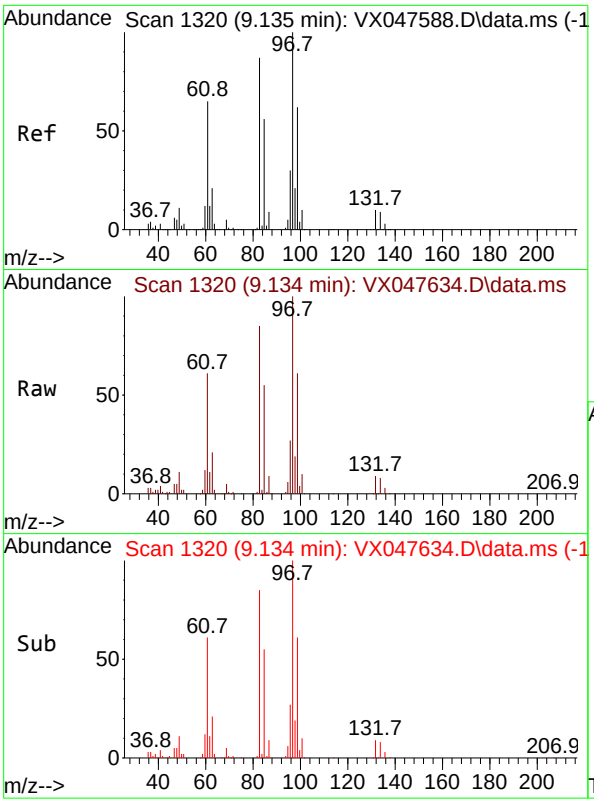


#54
cis-1,3-Dichloropropene
Concen: 20.865 ug/l
RT: 8.348 min Scan# 1191
Delta R.T. -0.006 min
Lab File: VX047634.D
Acq: 18 Sep 2025 12:45

Tgt Ion: 75 Resp: 85751

Ion	Ratio	Lower	Upper
75	100		
77	32.4	25.8	38.6
39	53.8	41.4	62.2



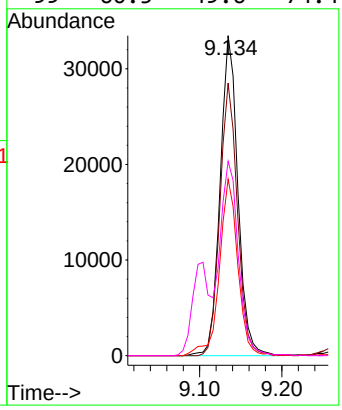


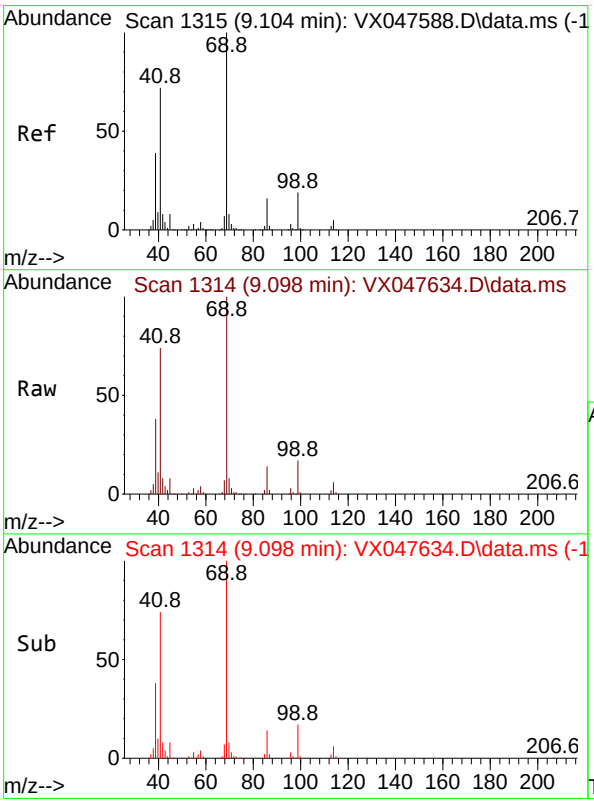
#55
1,1,2-Trichloroethane
Concen: 21.597 ug/l
RT: 9.134 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047634.D
Acq: 18 Sep 2025 12:45

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBS01

Tgt Ion: 97 Resp: 50299

Ion	Ratio	Lower	Upper
97	100		
83	85.2	69.6	104.4
85	55.2	45.0	67.6
99	60.5	49.6	74.4

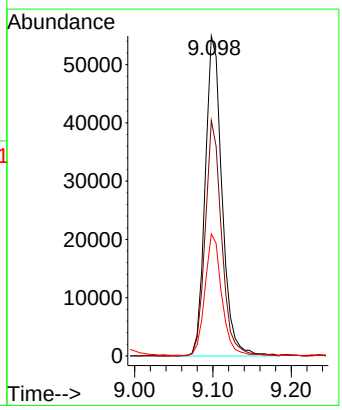


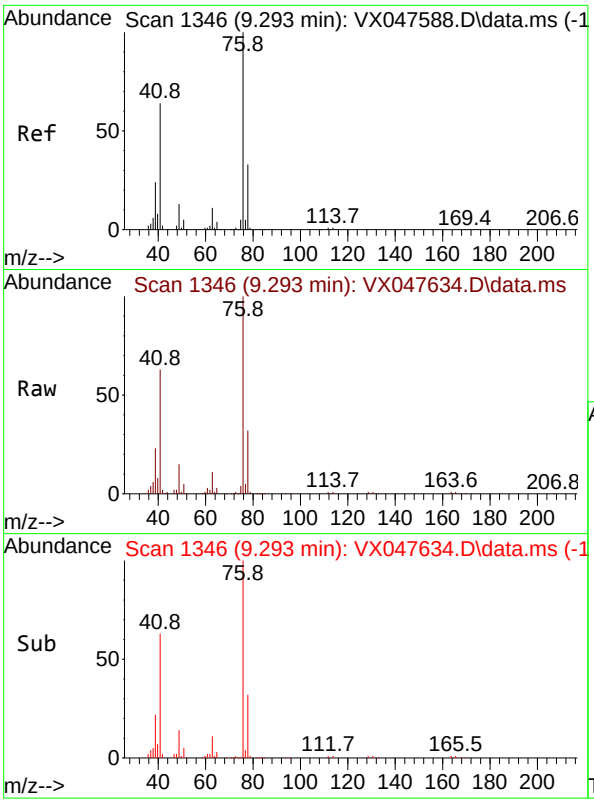


#56
Ethyl methacrylate
Concen: 22.373 ug/l
RT: 9.098 min Scan# 1314
Delta R.T. -0.006 min
Lab File: VX047634.D
Acq: 18 Sep 2025 12:45

Tgt Ion: 69 Resp: 81830

Ion	Ratio	Lower	Upper
69	100		
41	71.8	58.6	87.8
39	37.8	31.5	47.3



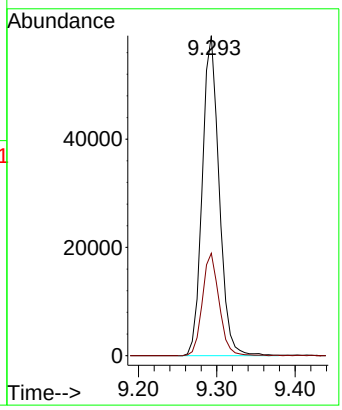


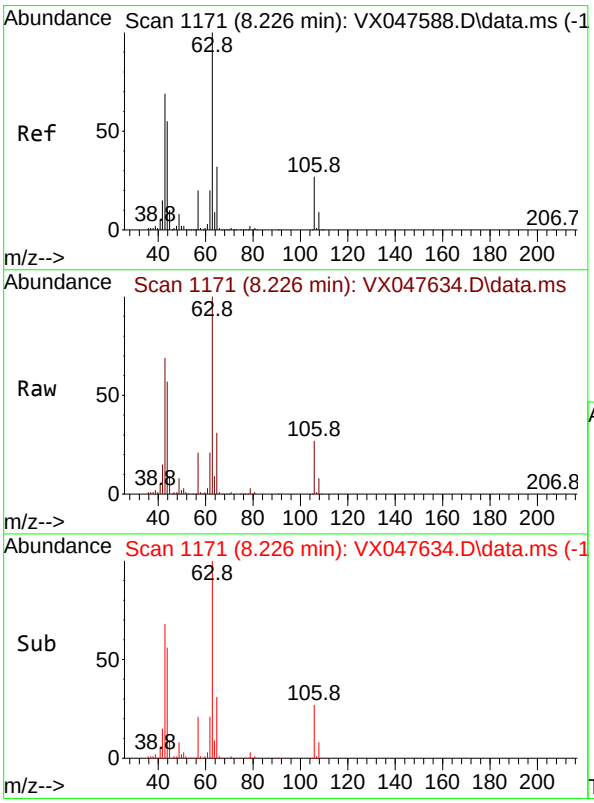
#57
1,3-Dichloropropane
Concen: 22.076 ug/l
RT: 9.293 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047634.D
Acq: 18 Sep 2025 12:45

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBS01

Tgt Ion: 76 Resp: 88322

Ion	Ratio	Lower	Upper
76	100		
78	31.7	26.2	39.4

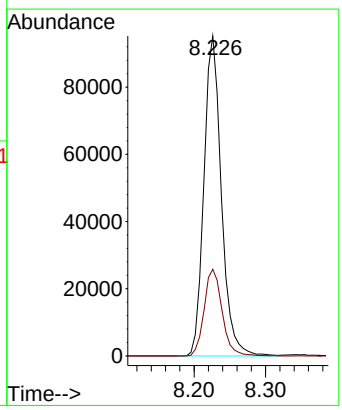


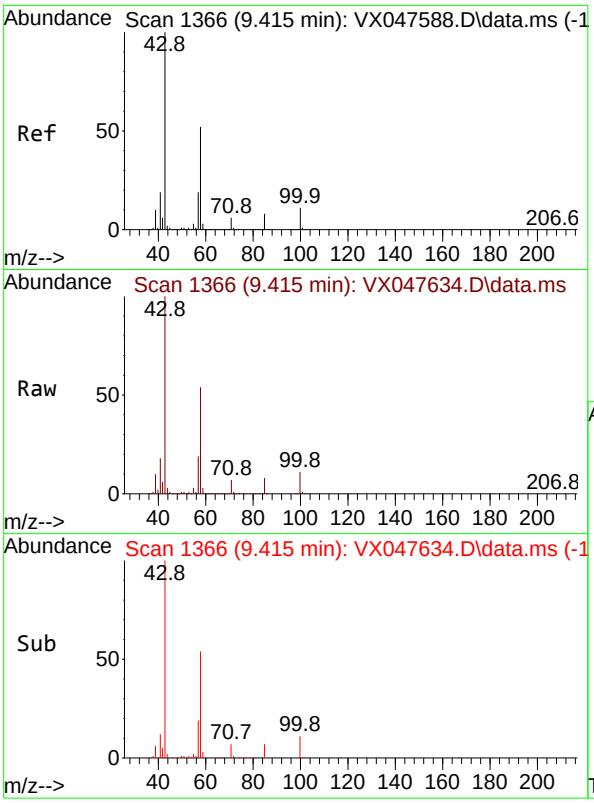


#58
2-Chloroethyl Vinyl ether
Concen: 99.487 ug/l
RT: 8.226 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VX047634.D
Acq: 18 Sep 2025 12:45

Tgt Ion: 63 Resp: 161450

Ion	Ratio	Lower	Upper
63	100		
106	27.9	21.9	32.9



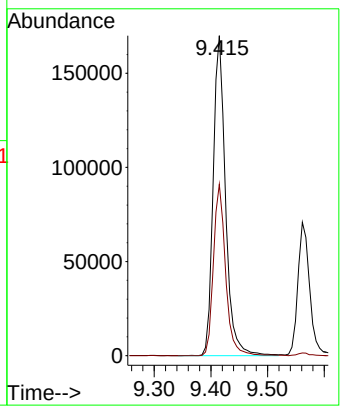


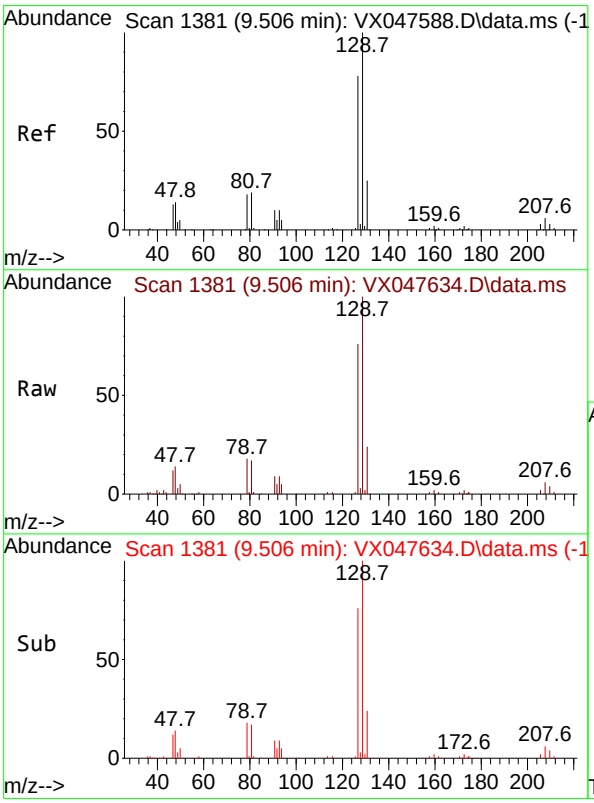
#59
2-Hexanone
Concen: 113.982 ug/l
RT: 9.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047634.D
Acq: 18 Sep 2025 12:45

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBS01

Tgt Ion: 43 Resp: 257260

Ion	Ratio	Lower	Upper
43	100		
58	52.7	26.1	78.2

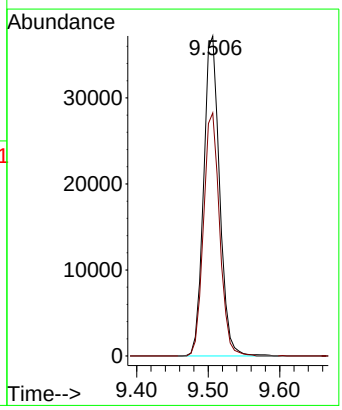


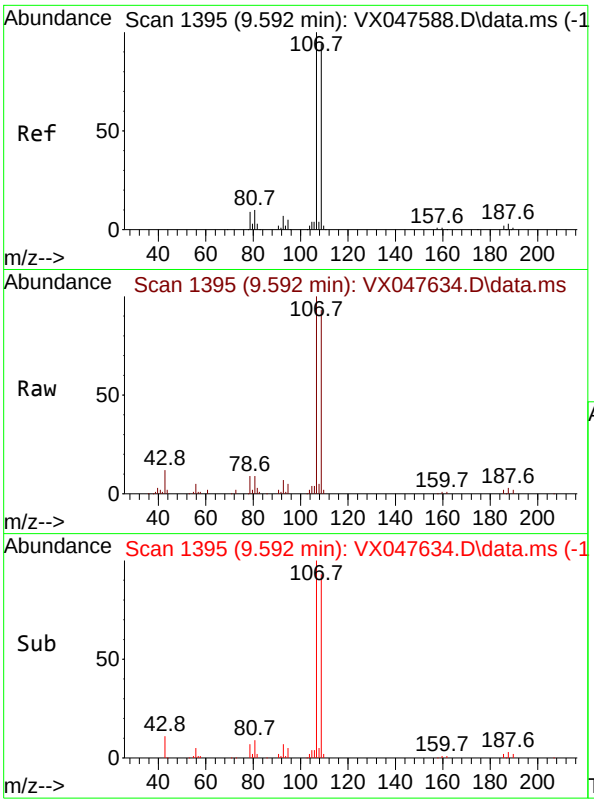


#60
Dibromochloromethane
Concen: 21.519 ug/l
RT: 9.506 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VX047634.D
Acq: 18 Sep 2025 12:45

Tgt Ion:129 Resp: 57746

Ion	Ratio	Lower	Upper
129	100		
127	76.5	38.4	115.2



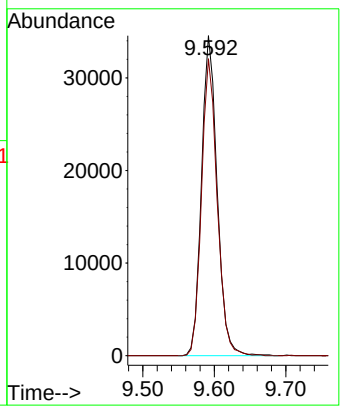


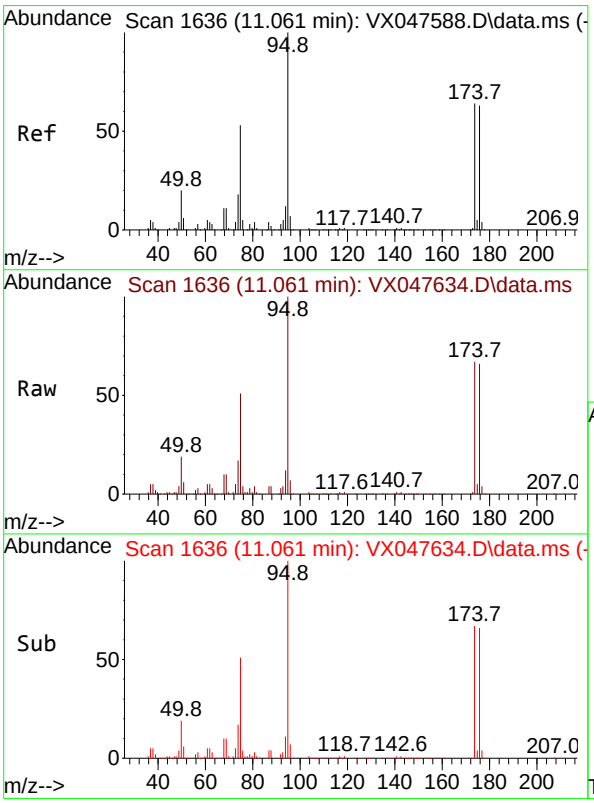
#61
1,2-Dibromoethane
Concen: 22.123 ug/l
RT: 9.592 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047634.D
Acq: 18 Sep 2025 12:45

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBS01

Tgt Ion:107 Resp: 52479

Ion	Ratio	Lower	Upper
107	100		
109	93.2	75.3	112.9

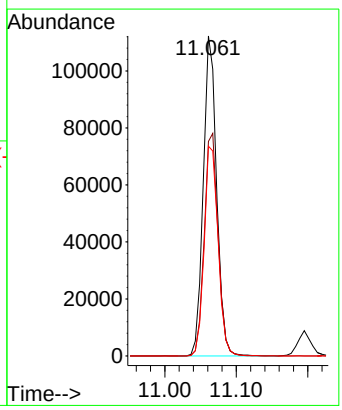


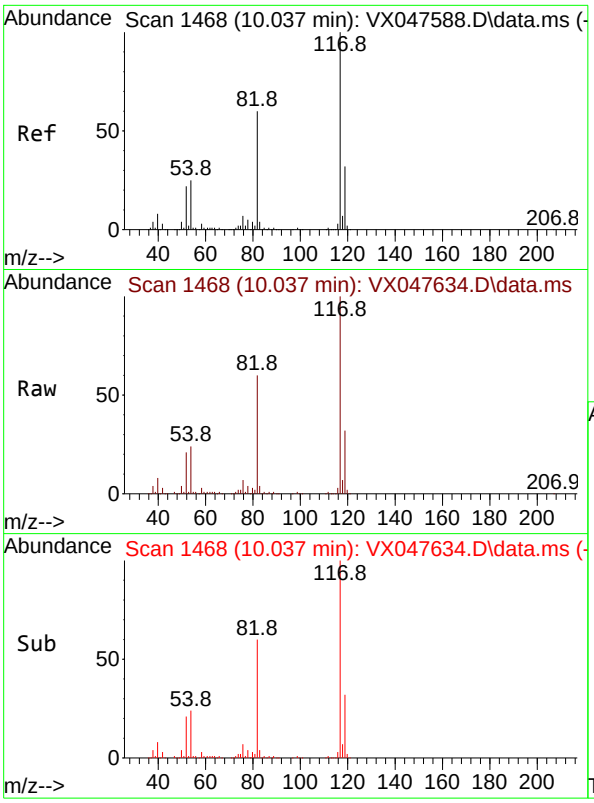


#62
4-Bromofluorobenzene
Concen: 50.237 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX047634.D
Acq: 18 Sep 2025 12:45

Tgt Ion: 95 Resp: 145725

Ion	Ratio	Lower	Upper
95	100		
174	72.2	0.0	141.6
176	68.3	0.0	138.4



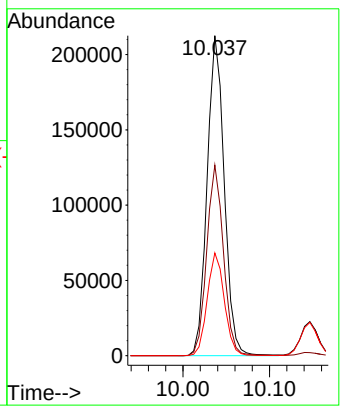


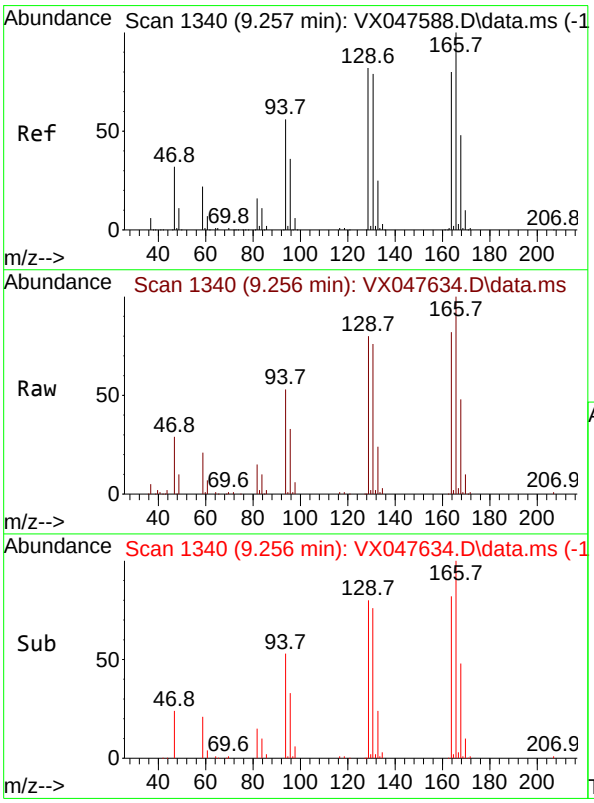
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047634.D
Acq: 18 Sep 2025 12:45

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBS01

Tgt Ion:117 Resp: 292123

Ion	Ratio	Lower	Upper
117	100		
82	59.6	47.8	71.6
119	32.1	25.2	37.8

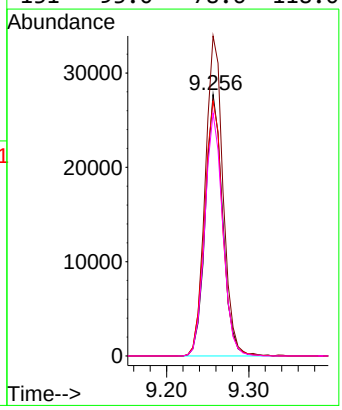


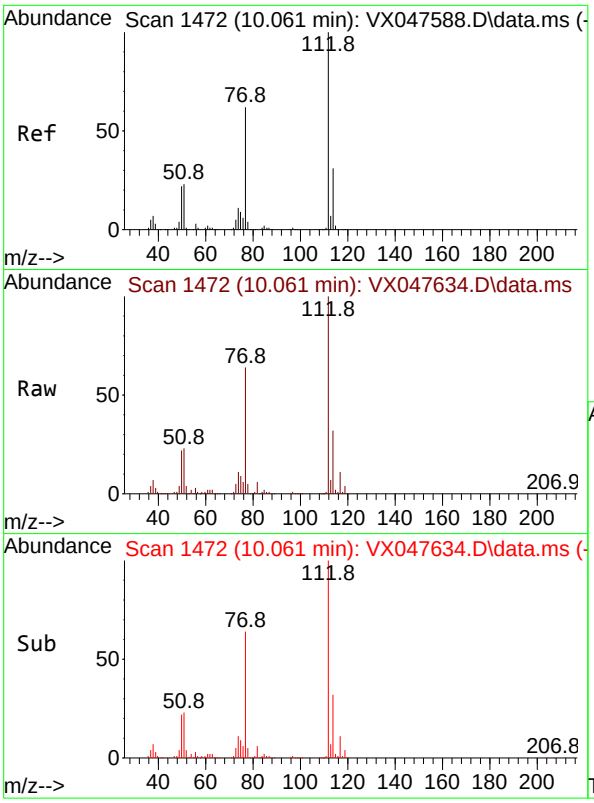


#64
Tetrachloroethene
Concen: 21.204 ug/l
RT: 9.256 min Scan# 1340
Delta R.T. -0.000 min
Lab File: VX047634.D
Acq: 18 Sep 2025 12:45

Tgt Ion:164 Resp: 40380

Ion	Ratio	Lower	Upper
164	100		
166	122.4	100.2	150.2
129	97.5	81.8	122.6
131	93.0	78.6	118.0



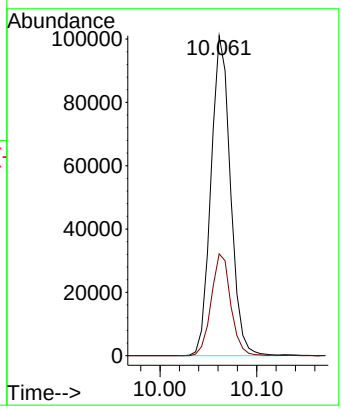


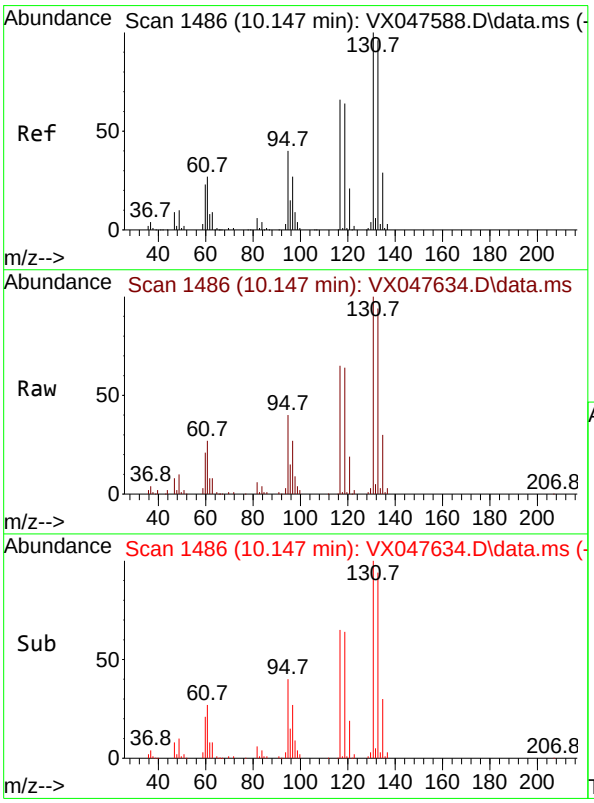
#65
Chlorobenzene
Concen: 21.284 ug/l
RT: 10.061 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047634.D
Acq: 18 Sep 2025 12:45

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBS01

Tgt Ion:112 Resp: 141250

Ion	Ratio	Lower	Upper
112	100		
114	31.8	25.1	37.7

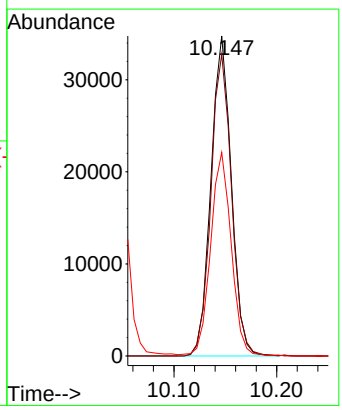


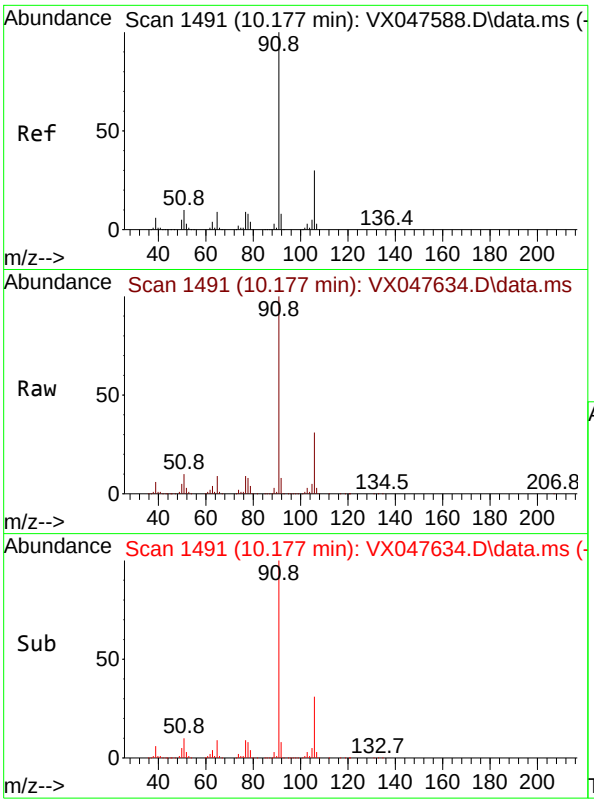


#66
1,1,1,2-Tetrachloroethane
Concen: 20.860 ug/l
RT: 10.147 min Scan# 1486
Delta R.T. -0.000 min
Lab File: VX047634.D
Acq: 18 Sep 2025 12:45

Tgt Ion:131 Resp: 47770

Ion	Ratio	Lower	Upper
131	100		
133	95.7	47.3	142.0
119	64.5	32.0	96.0



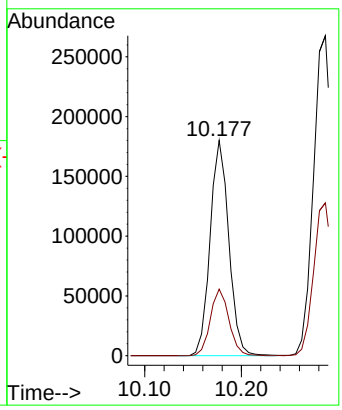


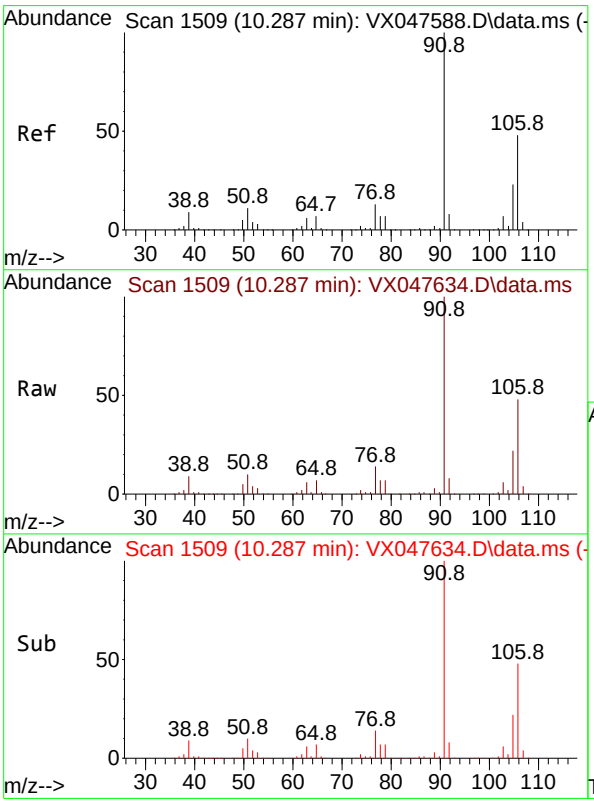
#67
Ethyl Benzene
Concen: 21.123 ug/l
RT: 10.177 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047634.D
Acq: 18 Sep 2025 12:45

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBS01

Tgt Ion: 91 Resp: 241869

Ion	Ratio	Lower	Upper
91	100		
106	30.9	24.3	36.5

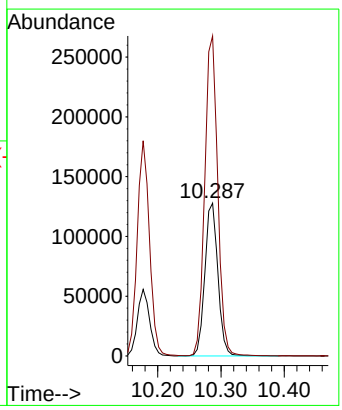


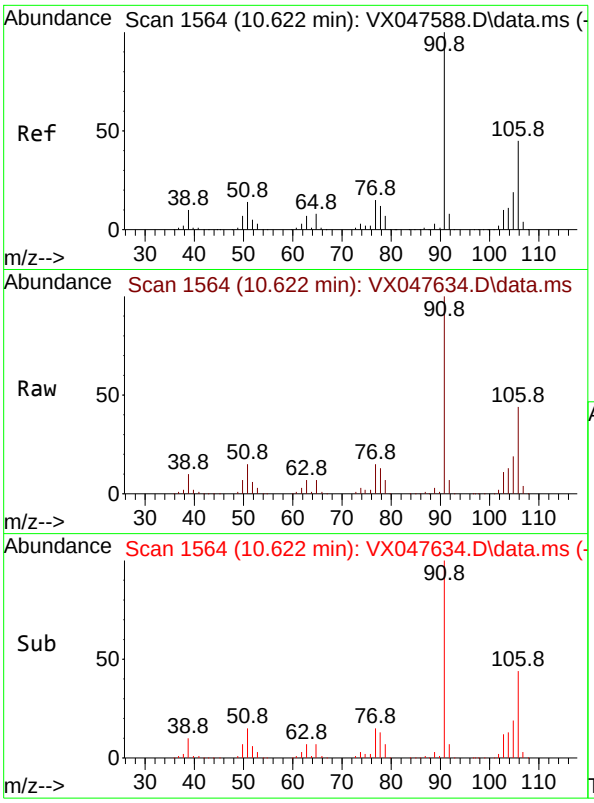


#68
m/p-Xylenes
Concen: 43.025 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VX047634.D
Acq: 18 Sep 2025 12:45

Tgt Ion:106 Resp: 183376

Ion	Ratio	Lower	Upper
106	100		
91	208.1	167.8	251.8



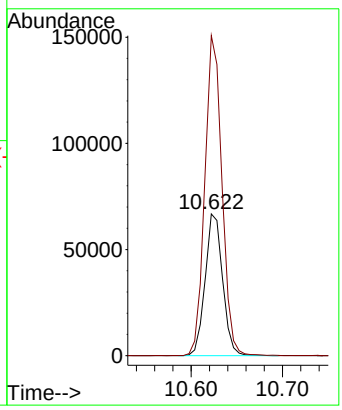


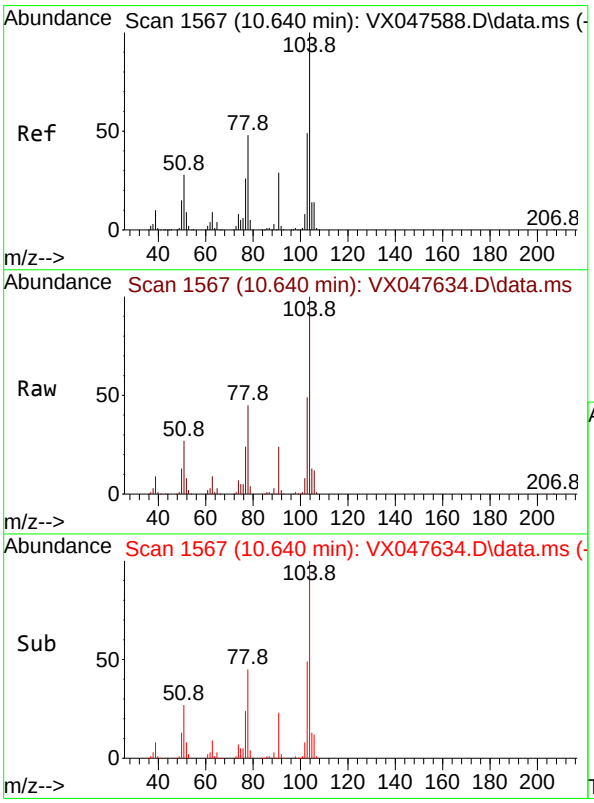
#69
o-Xylene
Concen: 21.487 ug/l
RT: 10.622 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047634.D
Acq: 18 Sep 2025 12:45

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBS01

Tgt Ion:106 Resp: 88580

Ion	Ratio	Lower	Upper
106	100		
91	221.7	111.1	333.4

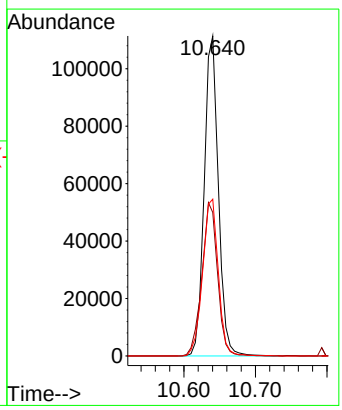


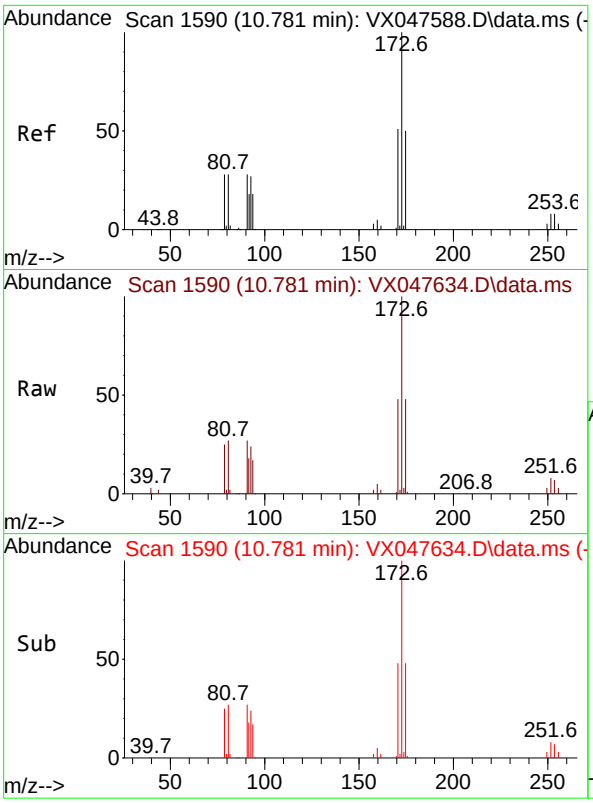


#70
Styrene
Concen: 21.203 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX047634.D
Acq: 18 Sep 2025 12:45

Tgt Ion:104 Resp: 153153

Ion	Ratio	Lower	Upper
104	100		
78	53.2	43.1	64.7
103	54.3	43.1	64.7



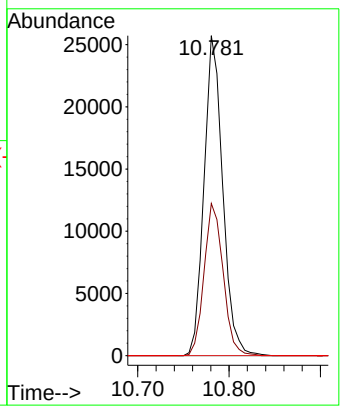


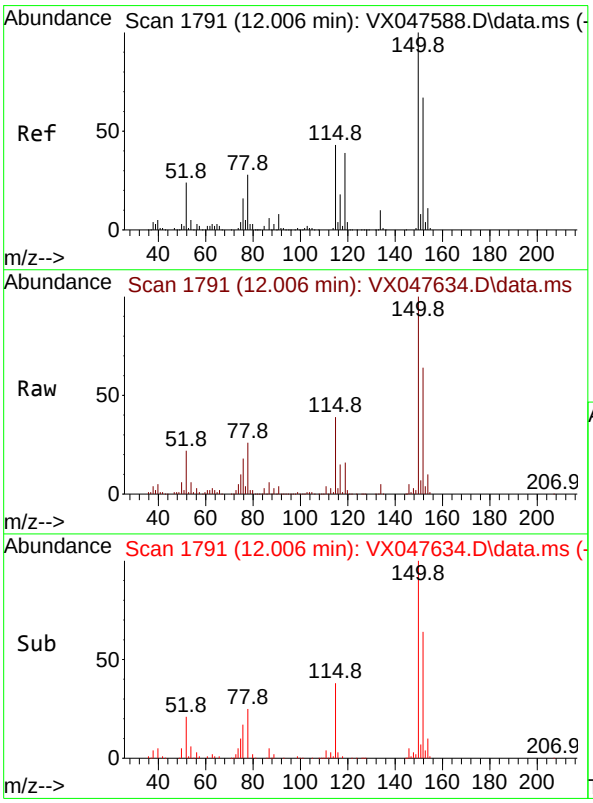
#71
Bromoform
Concen: 21.327 ug/l
RT: 10.781 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047634.D
Acq: 18 Sep 2025 12:45

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBS01

Tgt Ion:173 Resp: 36468

Ion	Ratio	Lower	Upper
173	100		
175	48.4	24.9	74.6
254	0.0	0.1	0.1#

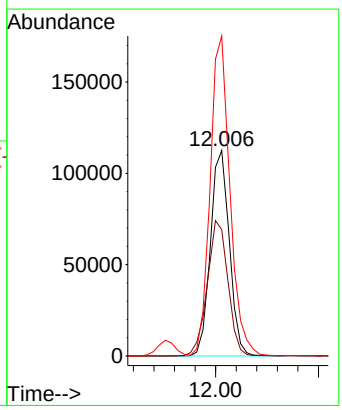


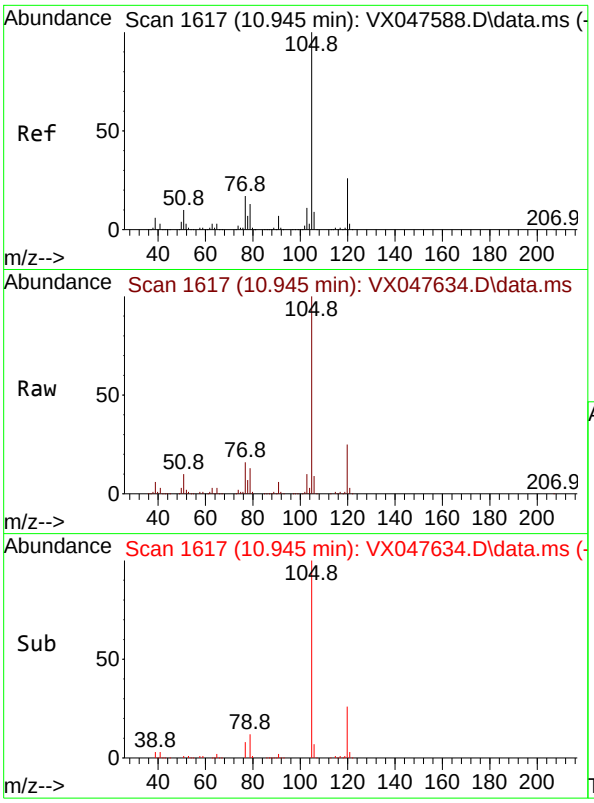


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047634.D
Acq: 18 Sep 2025 12:45

Tgt Ion:152 Resp: 143266

Ion	Ratio	Lower	Upper
152	100		
115	72.1	44.9	134.5
150	163.0	0.0	352.0



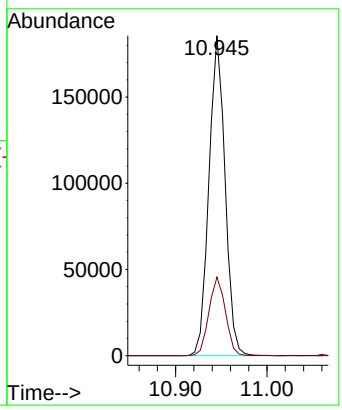


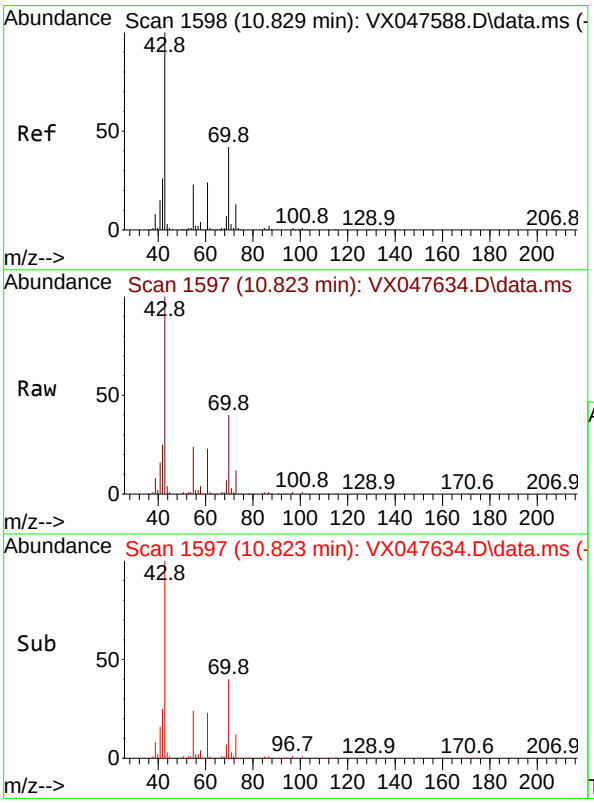
#73
Isopropylbenzene
Concen: 20.806 ug/l
RT: 10.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047634.D
Acq: 18 Sep 2025 12:45

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBS01

Tgt Ion:105 Resp: 226622

Ion	Ratio	Lower	Upper
105	100		
120	25.2	12.8	38.4

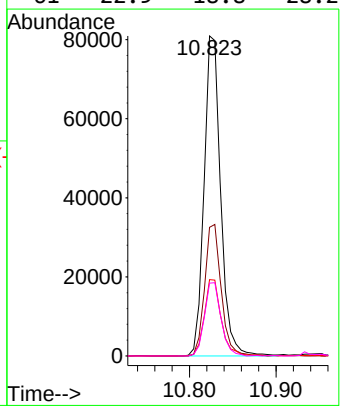


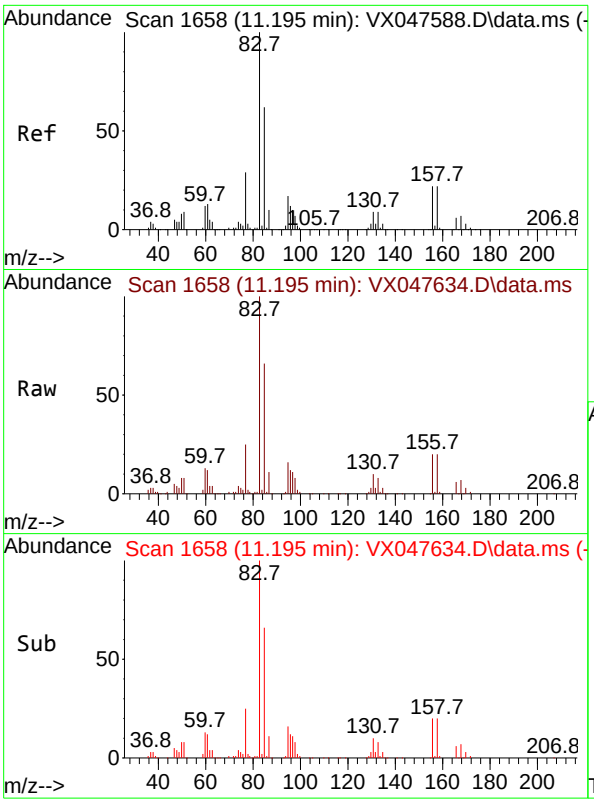


#74
N-amyl acetate
Concen: 21.707 ug/l
RT: 10.823 min Scan# 1597
Delta R.T. -0.006 min
Lab File: VX047634.D
Acq: 18 Sep 2025 12:45

Tgt Ion: 43 Resp: 107819

Ion	Ratio	Lower	Upper
43	100		
70	40.9	32.0	48.0
55	24.4	18.9	28.3
61	22.9	18.8	28.2



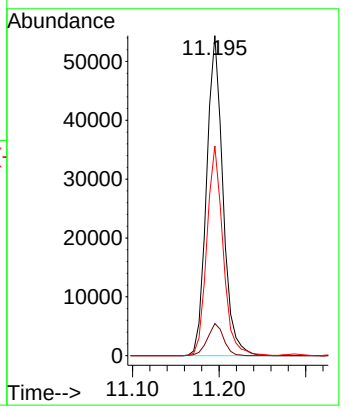


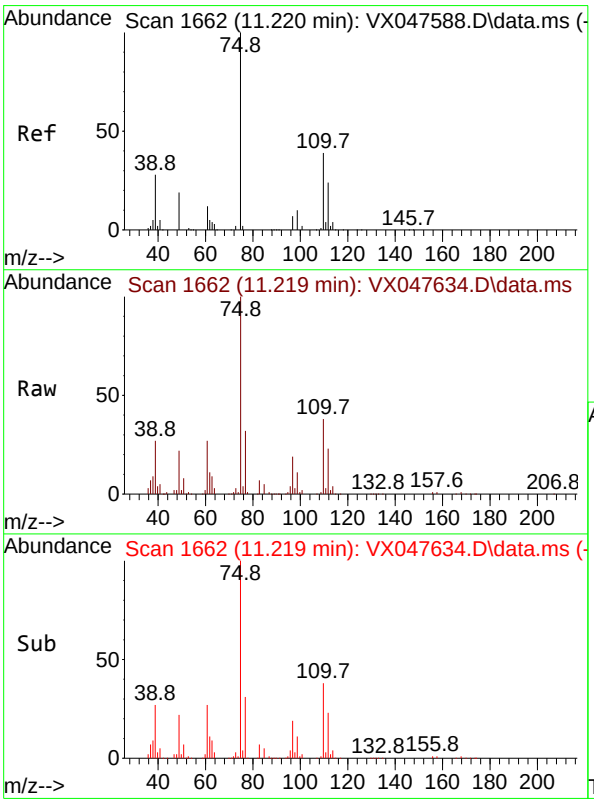
#75
1,1,2,2-Tetrachloroethane
Concen: 21.632 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047634.D
Acq: 18 Sep 2025 12:45

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBS01

Tgt Ion: 83 Resp: 71287

Ion	Ratio	Lower	Upper
83	100		
131	10.0	5.0	14.9
85	65.0	31.6	95.0

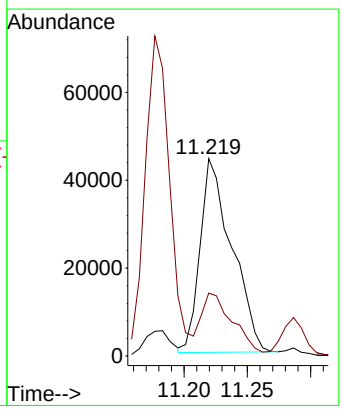


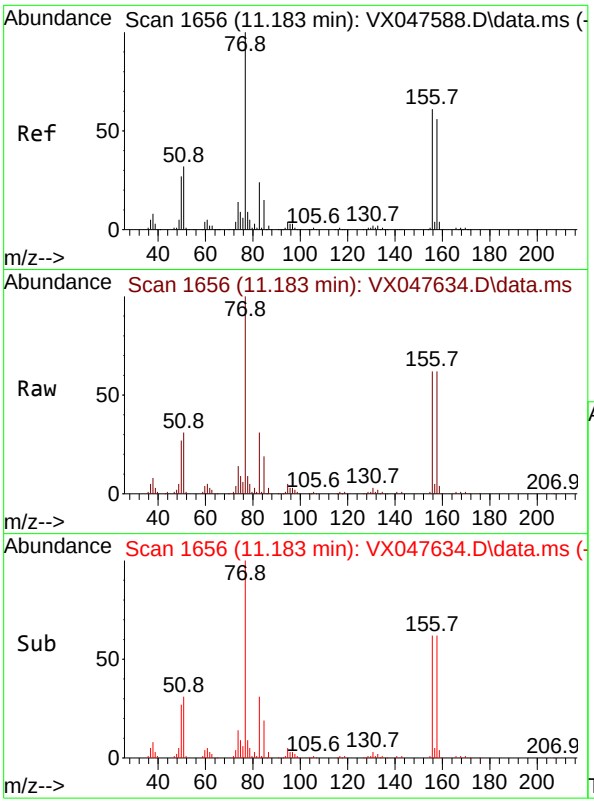


#76
1,2,3-Trichloropropane
Concen: 26.634 ug/l
RT: 11.219 min Scan# 1662
Delta R.T. -0.000 min
Lab File: VX047634.D
Acq: 18 Sep 2025 12:45

Tgt Ion: 75 Resp: 77257

Ion	Ratio	Lower	Upper
75	100		
77	32.2	18.8	56.4



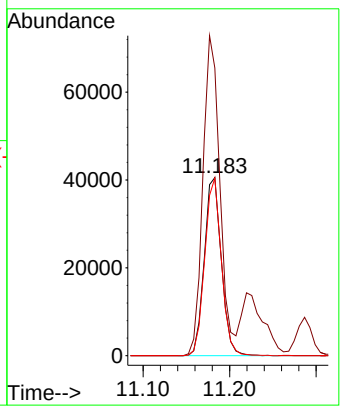


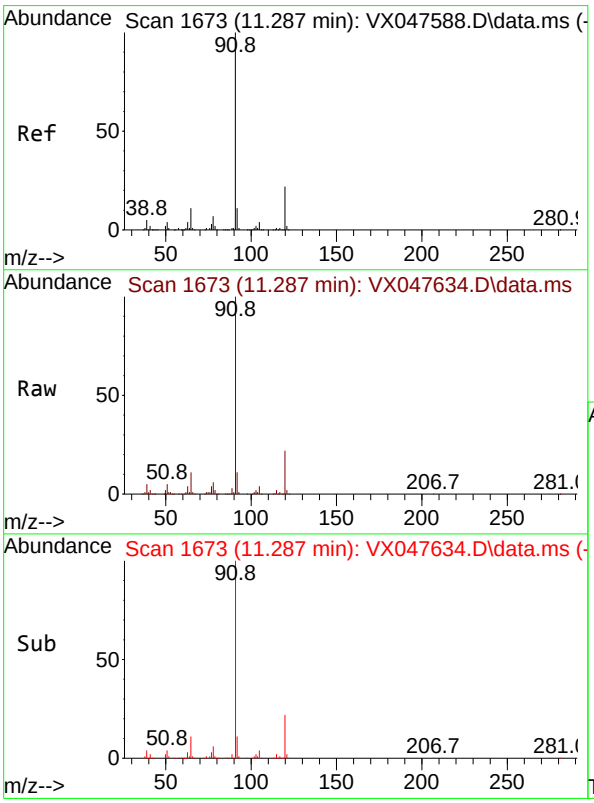
#77
Bromobenzene
Concen: 20.699 ug/l
RT: 11.183 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047634.D
Acq: 18 Sep 2025 12:45

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBS01

Tgt Ion:156 Resp: 55527

Ion	Ratio	Lower	Upper
156	100		
77	178.9	89.7	269.1
158	97.2	47.9	143.6

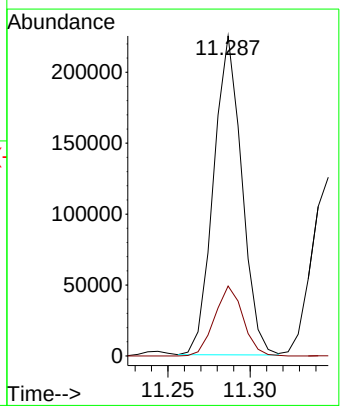


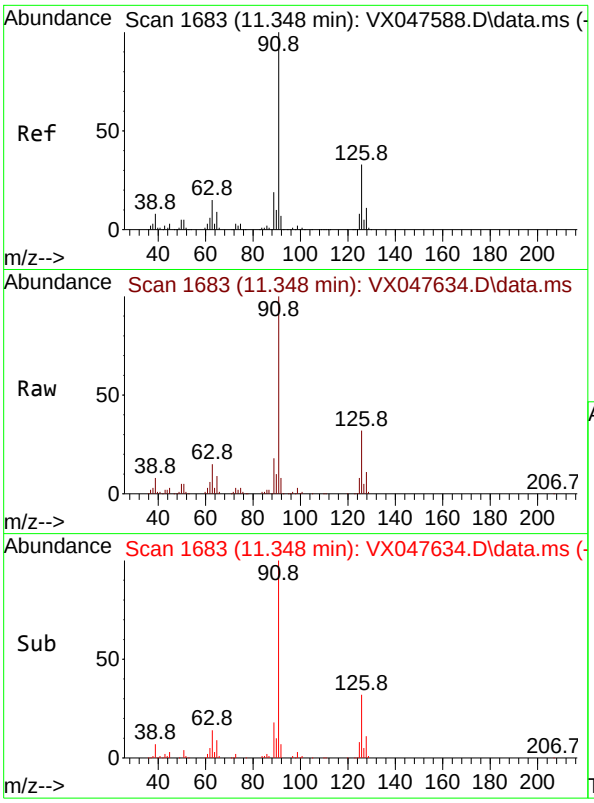


#78
n-propylbenzene
Concen: 20.893 ug/l
RT: 11.287 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX047634.D
Acq: 18 Sep 2025 12:45

Tgt Ion: 91 Resp: 269007

Ion	Ratio	Lower	Upper
91	100		
120	22.0	11.1	33.1



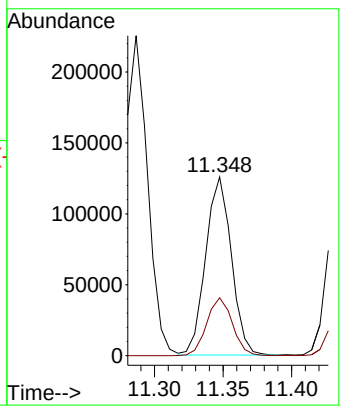


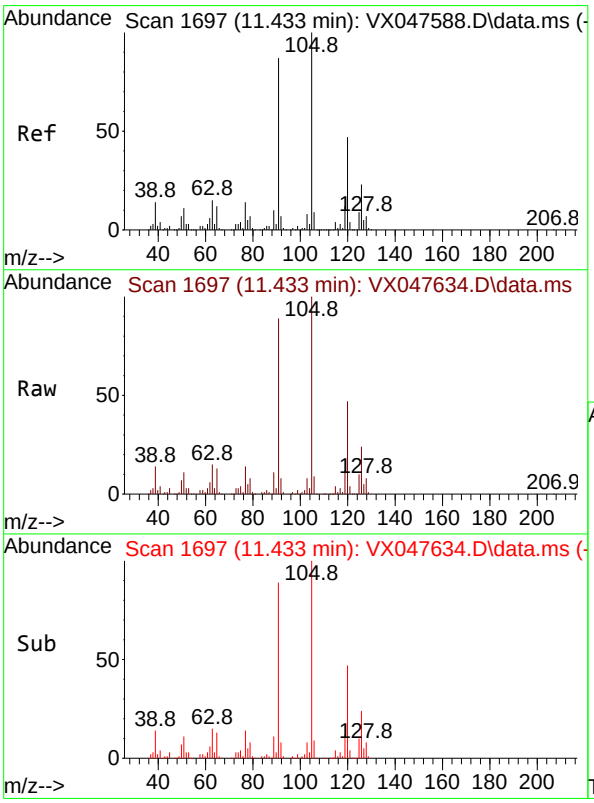
#79
2-Chlorotoluene
Concen: 20.776 ug/l
RT: 11.348 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047634.D
Acq: 18 Sep 2025 12:45

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBS01

Tgt Ion: 91 Resp: 163838

Ion	Ratio	Lower	Upper
91	100		
126	32.5	16.1	48.3

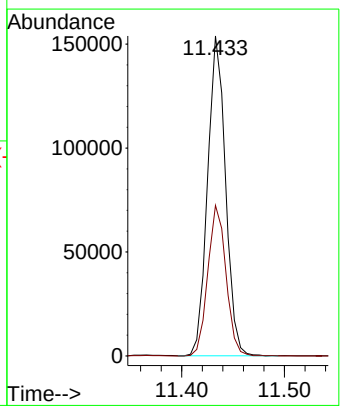


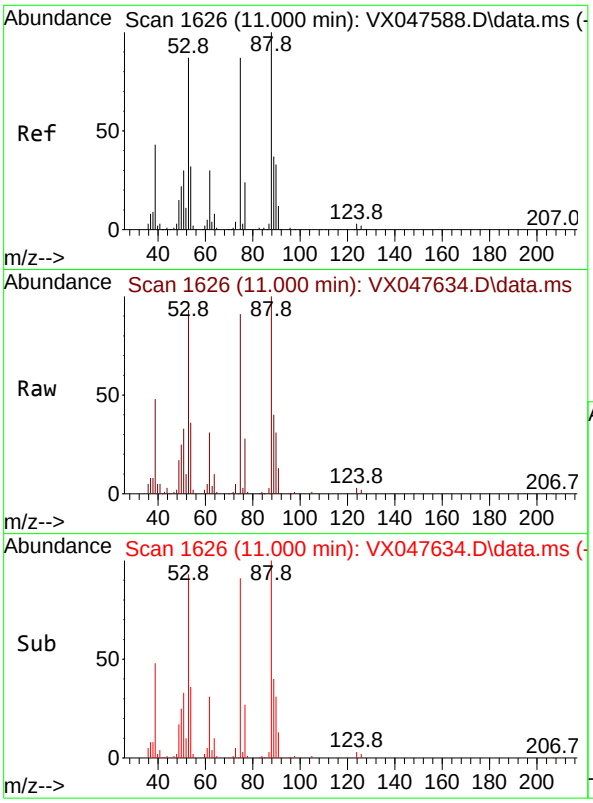


#80
1,3,5-Trimethylbenzene
Concen: 20.845 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX047634.D
Acq: 18 Sep 2025 12:45

Tgt Ion:105 Resp: 186536

Ion	Ratio	Lower	Upper
105	100		
120	47.8	23.6	70.8



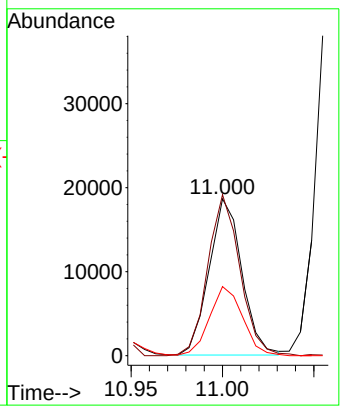


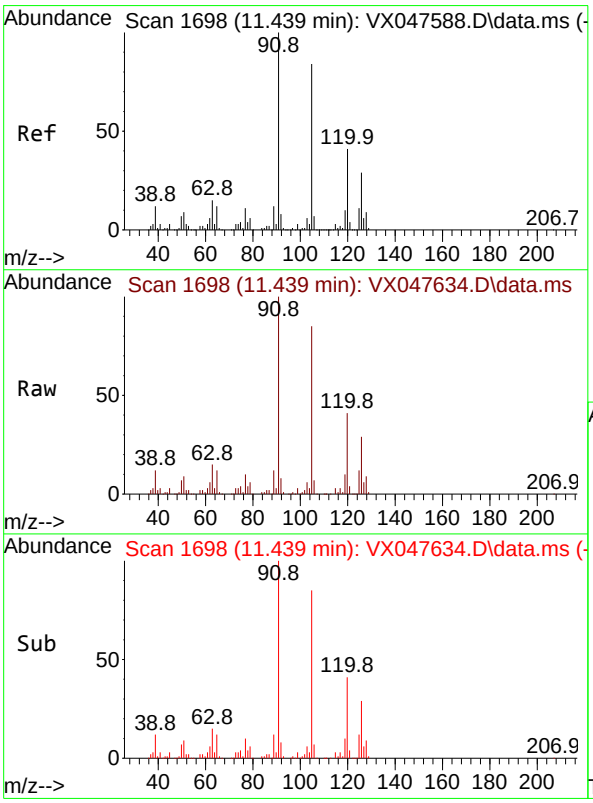
#81
trans-1,4-Dichloro-2-butene
Concen: 20.421 ug/l
RT: 11.000 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047634.D
Acq: 18 Sep 2025 12:45

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBS01

Tgt Ion: 75 Resp: 23228

Ion	Ratio	Lower	Upper
75	100		
53	101.4	83.4	125.2
89	44.7	36.3	54.5

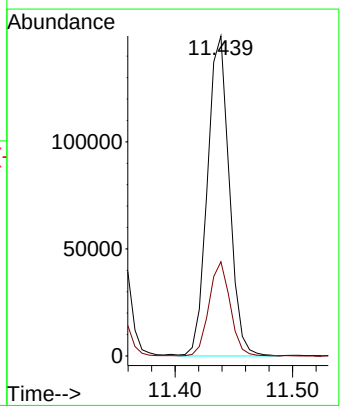


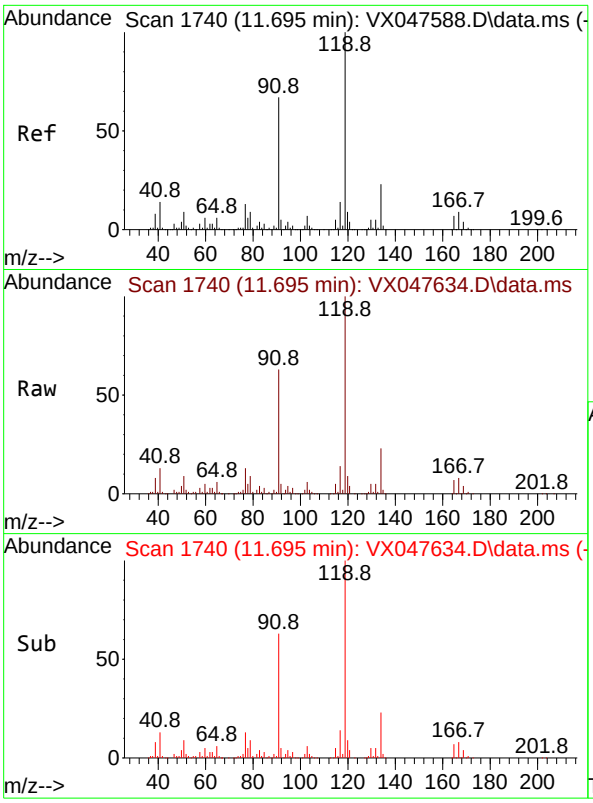


#82
4-Chlorotoluene
Concen: 20.715 ug/l
RT: 11.439 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VX047634.D
Acq: 18 Sep 2025 12:45

Tgt Ion: 91 Resp: 192939

Ion	Ratio	Lower	Upper
91	100		
126	28.3	14.2	42.6



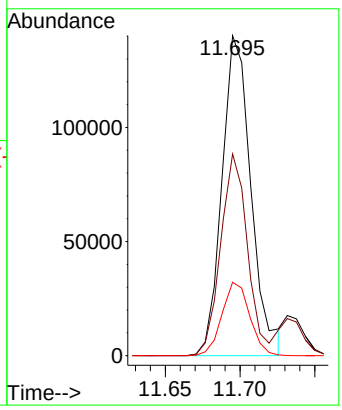


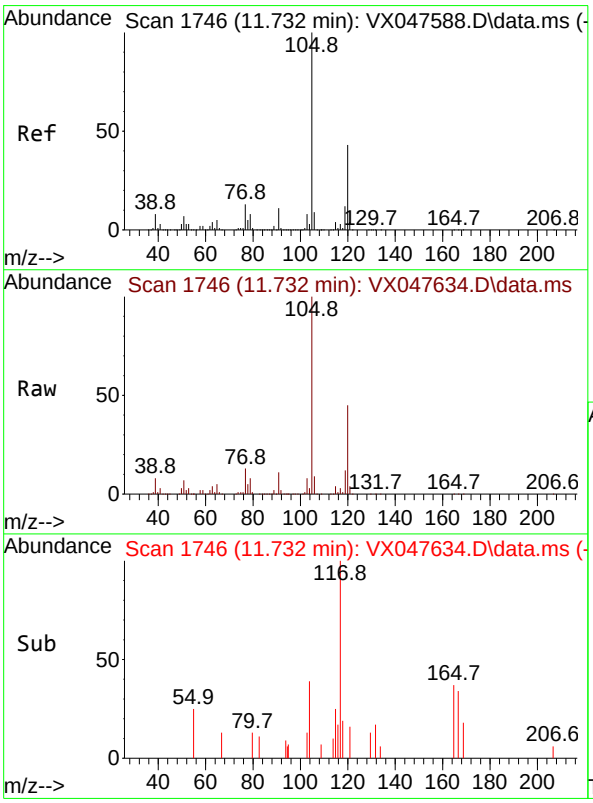
#83
tert-Butylbenzene
Concen: 20.655 ug/l
RT: 11.695 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047634.D
Acq: 18 Sep 2025 12:45

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBS01

Tgt Ion:119 Resp: 189211

Ion	Ratio	Lower	Upper
119	100		
91	58.2	29.6	88.8
134	22.1	11.0	33.0

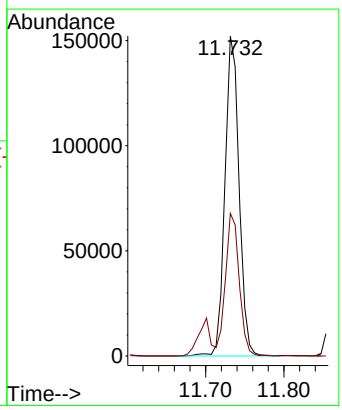


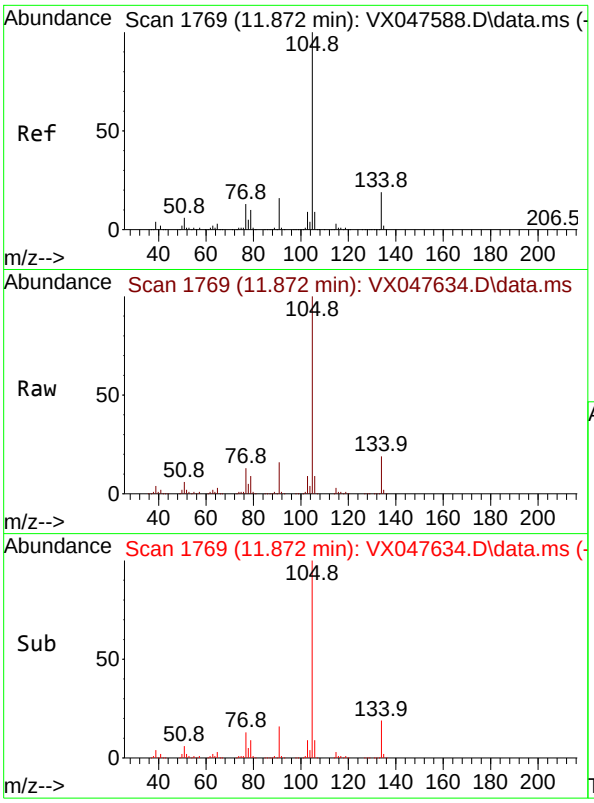


#84
1,2,4-Trimethylbenzene
Concen: 21.049 ug/l
RT: 11.732 min Scan# 1746
Delta R.T. -0.000 min
Lab File: VX047634.D
Acq: 18 Sep 2025 12:45

Tgt Ion:105 Resp: 190968

Ion	Ratio	Lower	Upper
105	100		
120	43.4	22.1	66.1



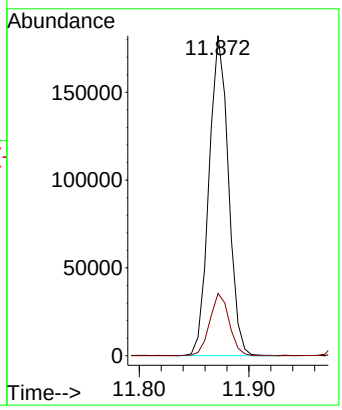


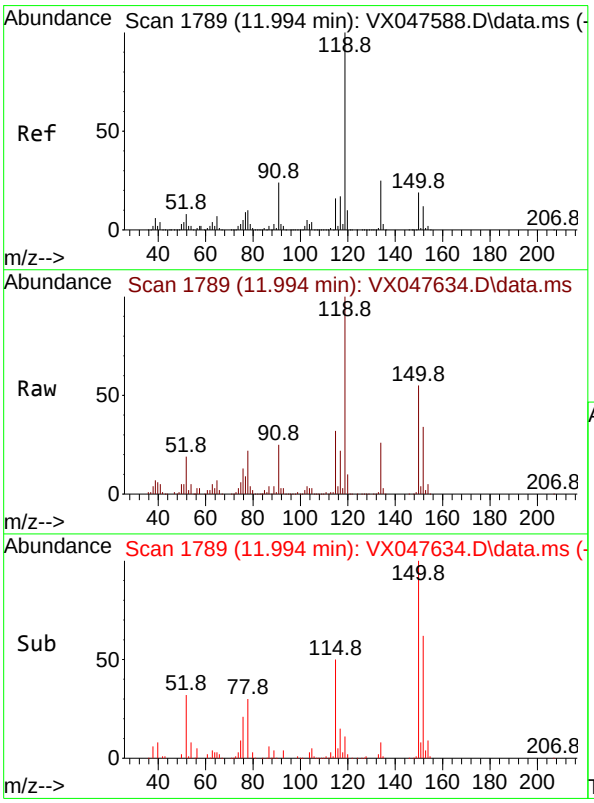
#85
sec-Butylbenzene
Concen: 20.591 ug/l
RT: 11.872 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047634.D
Acq: 18 Sep 2025 12:45

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBS01

Tgt Ion:105 Resp: 224047

Ion	Ratio	Lower	Upper
105	100		
134	19.5	9.8	29.5

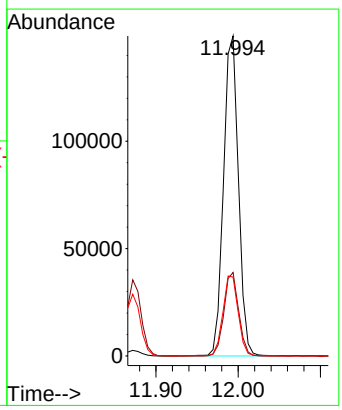


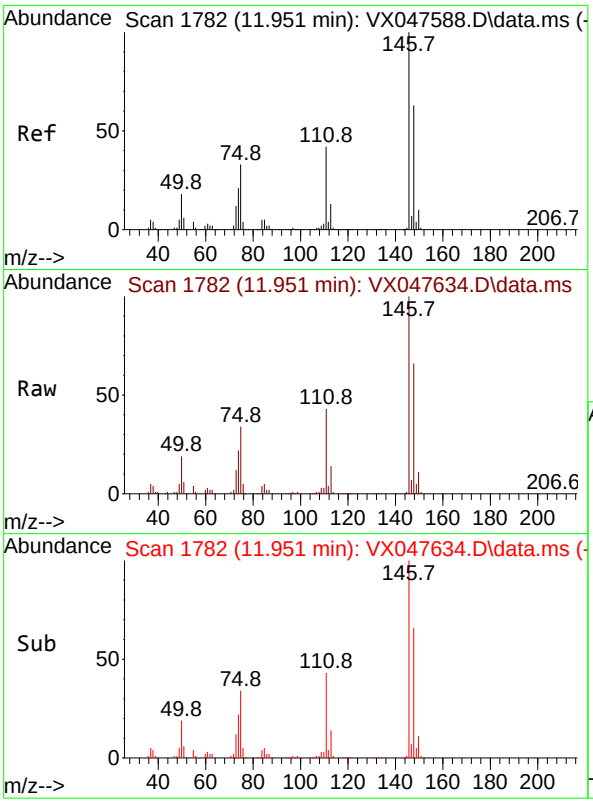


#86
p-Isopropyltoluene
Concen: 20.423 ug/l
RT: 11.994 min Scan# 1789
Delta R.T. -0.000 min
Lab File: VX047634.D
Acq: 18 Sep 2025 12:45

Tgt Ion:119 Resp: 188131

Ion	Ratio	Lower	Upper
119	100		
134	25.7	12.6	37.8
91	25.5	12.6	37.6



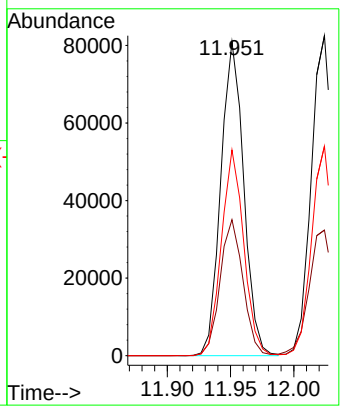


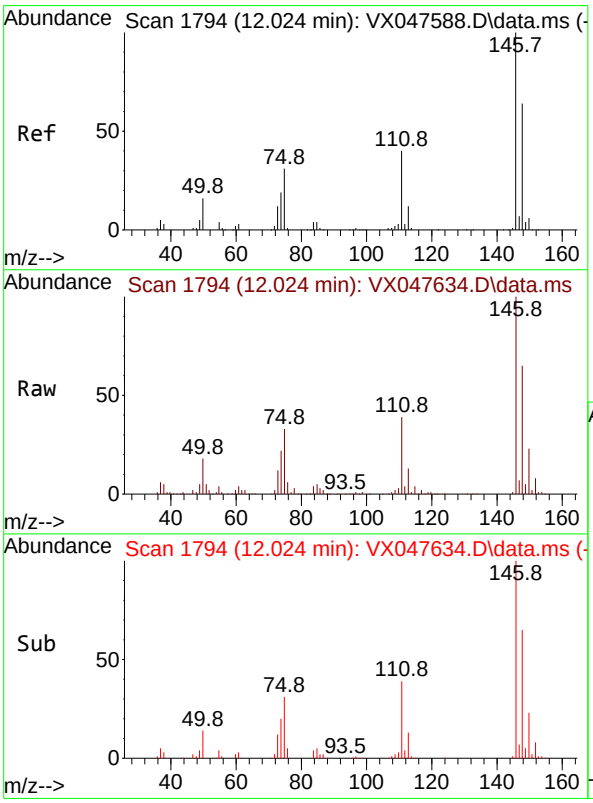
#87
1,3-Dichlorobenzene
Concen: 20.462 ug/l
RT: 11.951 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047634.D
Acq: 18 Sep 2025 12:45

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBS01

Tgt Ion:146 Resp: 101958

Ion	Ratio	Lower	Upper
146	100		
111	43.4	21.5	64.5
148	63.9	32.0	96.0

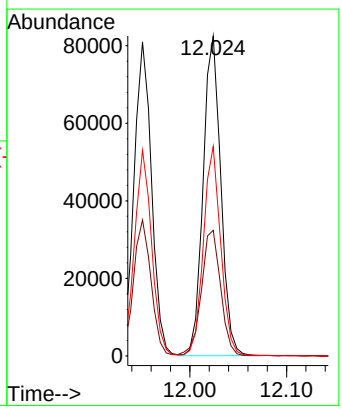


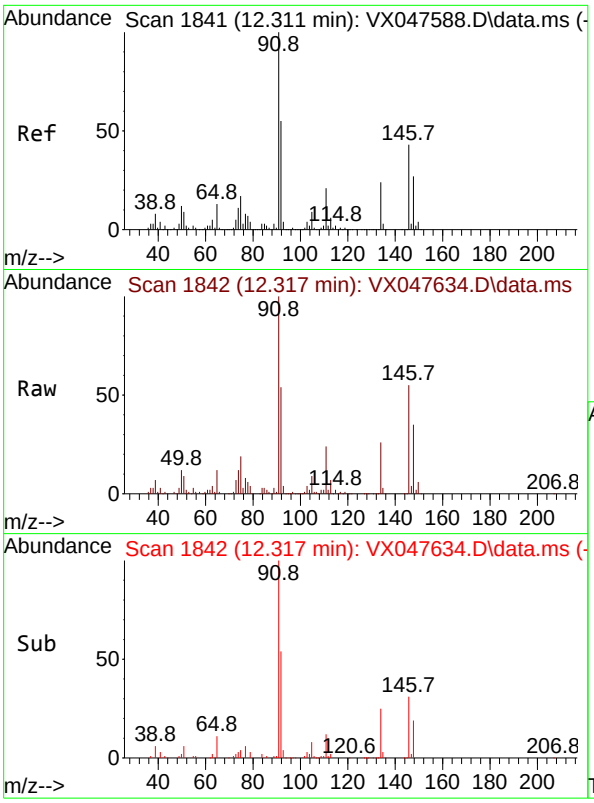


#88
1,4-Dichlorobenzene
Concen: 20.539 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX047634.D
Acq: 18 Sep 2025 12:45

Tgt Ion:146 Resp: 105034

Ion	Ratio	Lower	Upper
146	100		
111	42.7	20.8	62.4
148	64.5	31.7	95.1



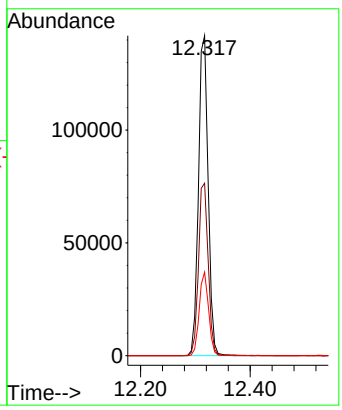


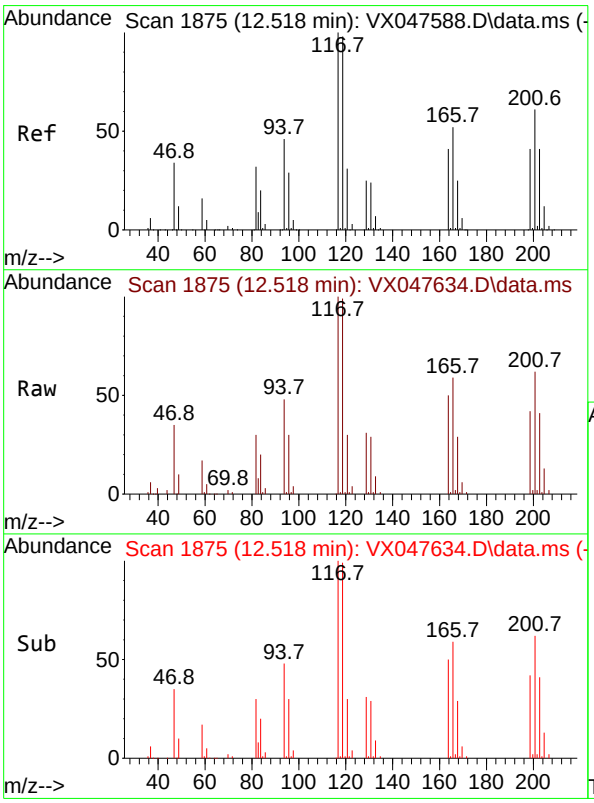
#89
n-Butylbenzene
Concen: 20.471 ug/l
RT: 12.317 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047634.D
Acq: 18 Sep 2025 12:45

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBS01

Tgt Ion: 91 Resp: 174488

Ion	Ratio	Lower	Upper
91	100		
92	54.0	27.6	82.7
134	25.2	12.6	37.8

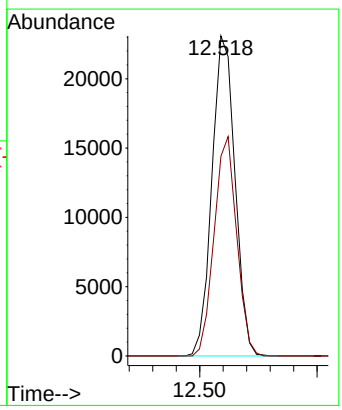


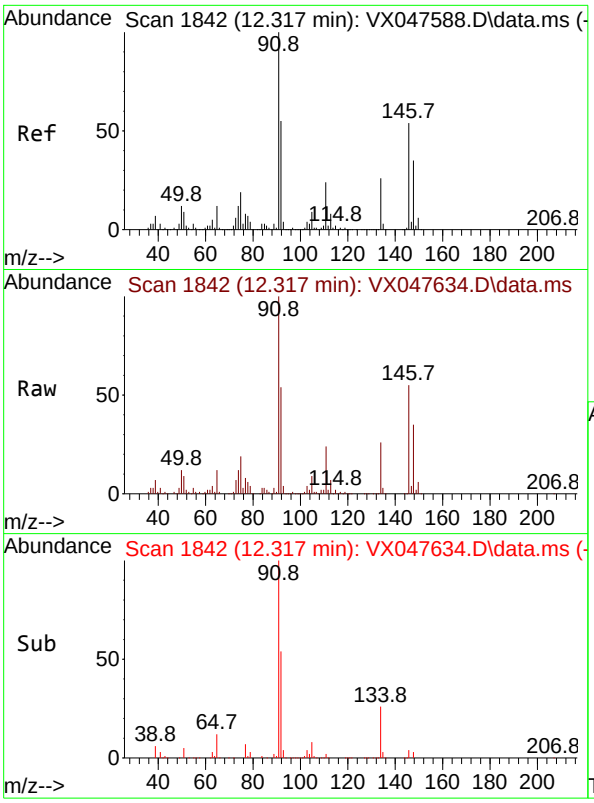


#90
Hexachloroethane
Concen: 19.478 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VX047634.D
Acq: 18 Sep 2025 12:45

Tgt Ion:117 Resp: 31502

Ion	Ratio	Lower	Upper
117	100		
201	67.1	34.2	102.5



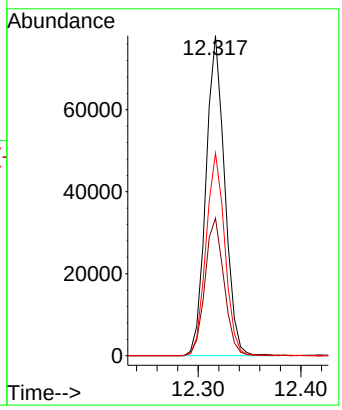


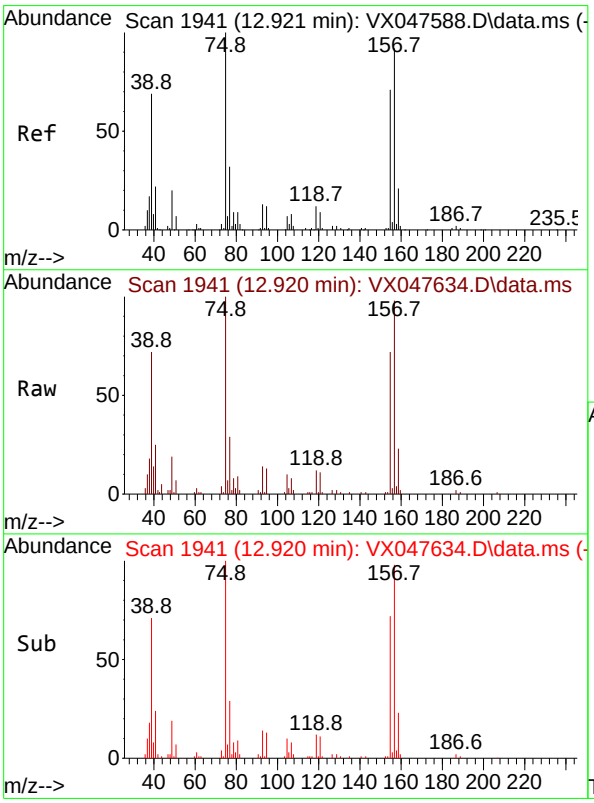
#91
1,2-Dichlorobenzene
Concen: 20.864 ug/l
RT: 12.317 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047634.D
Acq: 18 Sep 2025 12:45

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBS01

Tgt Ion:146 Resp: 99044

Ion	Ratio	Lower	Upper
146	100		
111	43.5	22.2	66.6
148	63.6	31.8	95.4

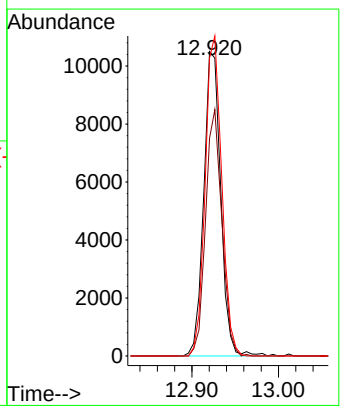


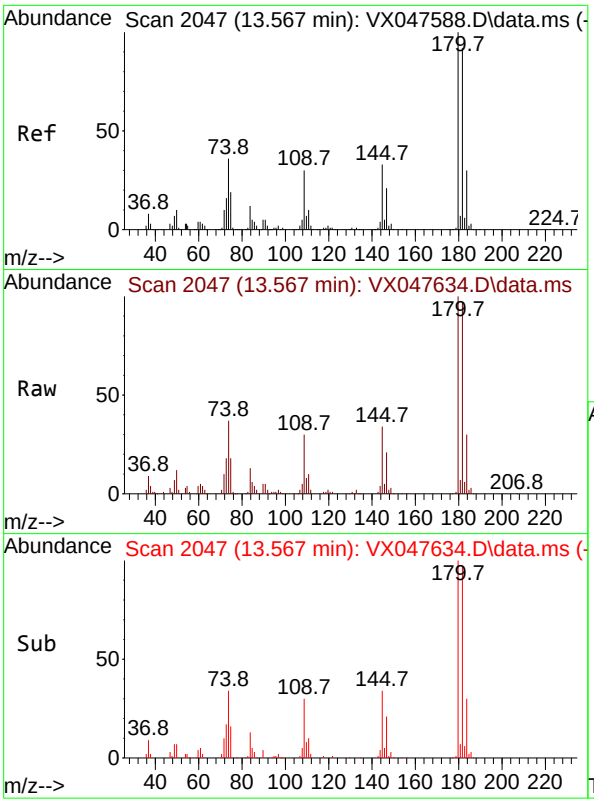


#92
1,2-Dibromo-3-Chloropropane
Concen: 21.385 ug/l
RT: 12.920 min Scan# 1941
Delta R.T. -0.000 min
Lab File: VX047634.D
Acq: 18 Sep 2025 12:45

Tgt Ion: 75 Resp: 14268

Ion	Ratio	Lower	Upper
75	100		
155	78.1	37.7	113.1
157	102.9	49.8	149.4



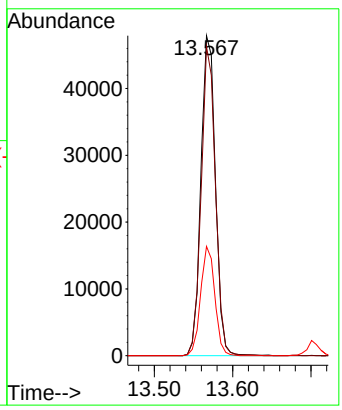


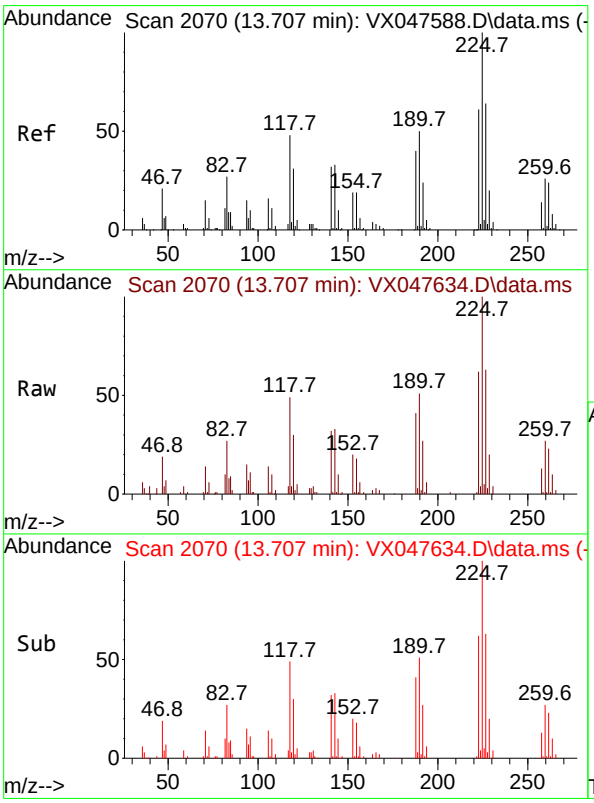
#93
1,2,4-Trichlorobenzene
Concen: 19.957 ug/l
RT: 13.567 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047634.D
Acq: 18 Sep 2025 12:45

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBS01

Tgt Ion:180 Resp: 61572

Ion	Ratio	Lower	Upper
180	100		
182	95.1	46.6	139.8
145	33.5	16.4	49.1

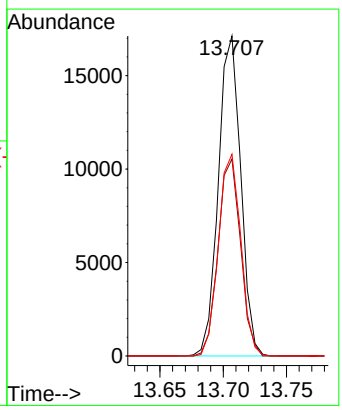


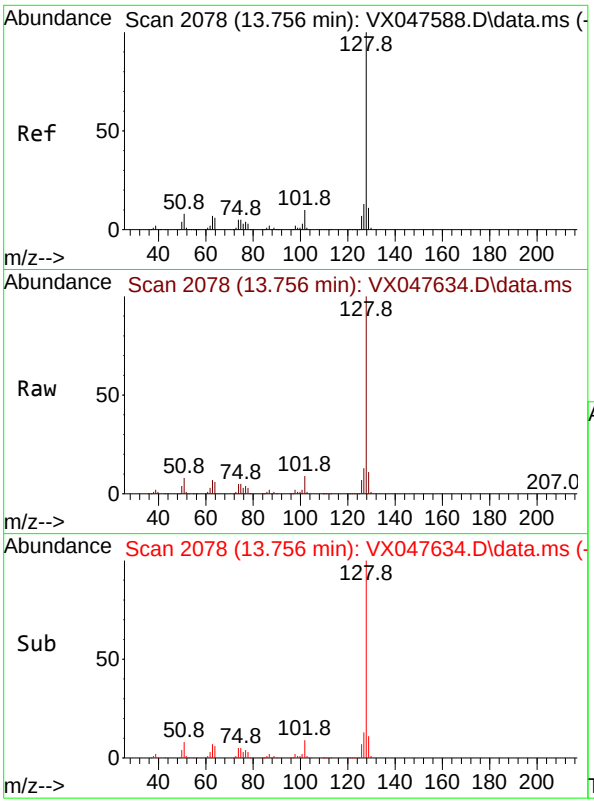


#94
Hexachlorobutadiene
Concen: 20.090 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. -0.000 min
Lab File: VX047634.D
Acq: 18 Sep 2025 12:45

Tgt Ion:225 Resp: 21053

Ion	Ratio	Lower	Upper
225	100		
223	61.7	31.7	95.1
227	63.0	32.0	96.0



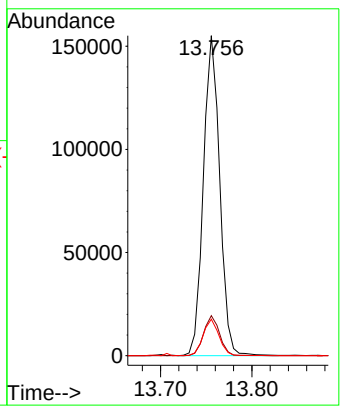


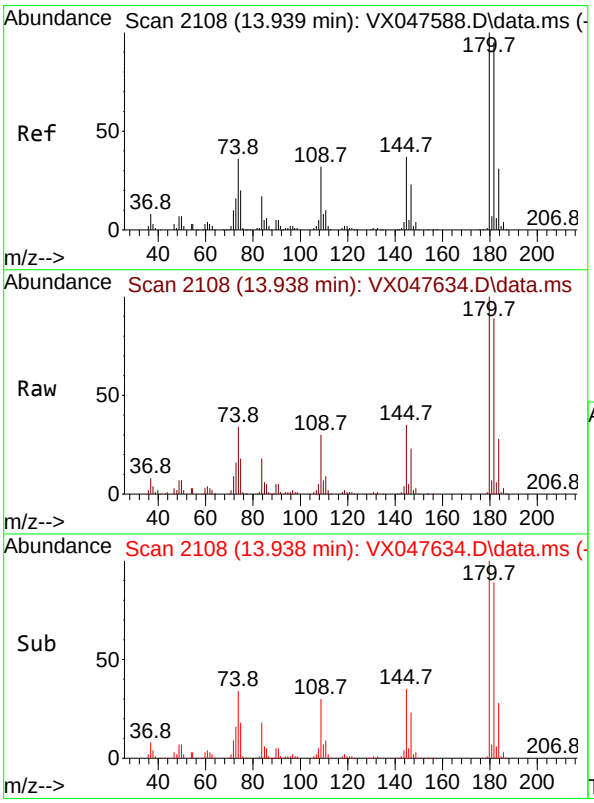
#95
Naphthalene
Concen: 20.515 ug/l
RT: 13.756 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047634.D
Acq: 18 Sep 2025 12:45

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBS01

Tgt Ion:128 Resp: 192734

Ion	Ratio	Lower	Upper
128	100		
127	12.2	10.2	15.2
129	11.2	8.8	13.2

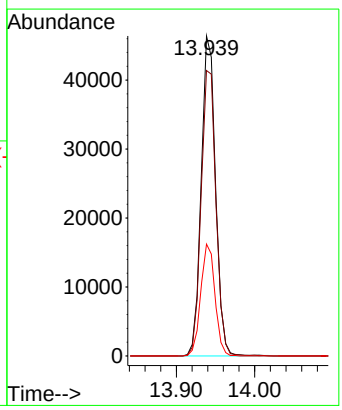




#96
1,2,3-Trichlorobenzene
Concen: 20.507 ug/l
RT: 13.938 min Scan# 2108
Delta R.T. -0.000 min
Lab File: VX047634.D
Acq: 18 Sep 2025 12:45

Tgt Ion:180 Resp: 58854

Ion	Ratio	Lower	Upper
180	100		
182	92.5	47.6	142.8
145	34.8	17.9	53.7



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091825\
Data File : VX047658.D
Acq On : 18 Sep 2025 21:16
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Quant Time: Sep 22 03:46:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.538	168	167954	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	301649	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	264153	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	126517	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	136178	50.938	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 101.880%			
35) Dibromofluoromethane	5.373	113	103407	51.115	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.240%			
50) Toluene-d8	8.635	98	358607	51.229	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 102.460%			
62) 4-Bromofluorobenzene	11.061	95	134436	50.604	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 101.200%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.173	85	116713	67.108	ug/l	96
3) Chloromethane	1.301	50	140249	61.357	ug/l	98
4) Vinyl Chloride	1.380	62	138638	61.961	ug/l	99
5) Bromomethane	1.618	94	84750	59.732	ug/l	100
6) Chloroethane	1.697	64	85472	57.154	ug/l	99
7) Trichlorofluoromethane	1.898	101	192770	58.024	ug/l	98
8) Diethyl Ether	2.136	74	74948	55.148	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.337	101	109138	56.181	ug/l	100
10) Methyl Iodide	2.453	142	164941	54.441	ug/l	100
11) Tert butyl alcohol	2.947	59	73594	247.170	ug/l	98
12) 1,1-Dichloroethene	2.325	96	114754	57.507	ug/l	96
13) Acrolein	2.240	56	91511	333.522	ug/l	99
14) Allyl chloride	2.666	41	217028	52.706	ug/l	98
15) Acrylonitrile	3.056	53	324132	293.899	ug/l	99
16) Acetone	2.374	43	255414	219.729	ug/l	100
17) Carbon Disulfide	2.520	76	327359	59.925	ug/l	98
18) Methyl Acetate	2.703	43	141872	54.842	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	391741	53.778	ug/l	98
20) Methylene Chloride	2.788	84	134847	54.805	ug/l	96
21) trans-1,2-Dichloroethene	3.093	96	121210	56.420	ug/l	95
22) Diisopropyl ether	3.751	45	434997	54.509	ug/l #	84
23) Vinyl Acetate	3.715	43	1809225	283.269	ug/l	100
24) 1,1-Dichloroethane	3.605	63	233642	55.084	ug/l	99
25) 2-Butanone	4.538	43	384161	264.947	ug/l	98
26) 2,2-Dichloropropane	4.471	77	151016	42.831	ug/l	97
27) cis-1,2-Dichloroethene	4.483	96	145870	55.442	ug/l	97
28) Bromochloromethane	4.885	49	98953	53.438	ug/l	99
29) Tetrahydrofuran	4.989	42	244351	280.136	ug/l	98
30) Chloroform	5.080	83	232676	54.285	ug/l	99
31) Cyclohexane	5.465	56	195059	55.215	ug/l	99
32) 1,1,1-Trichloroethane	5.379	97	196125	53.945	ug/l	99
36) 1,1-Dichloropropene	5.684	75	155147	52.483	ug/l	98
37) Ethyl Acetate	4.702	43	173987	54.969	ug/l	99
38) Carbon Tetrachloride	5.666	117	167396	52.118	ug/l	98
39) Methylcyclohexane	7.367	83	183314	54.630	ug/l	98
40) Benzene	6.025	78	490348	54.614	ug/l	100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091825\
Data File : VX047658.D
Acq On : 18 Sep 2025 21:16
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Quant Time: Sep 22 03:46:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.910	41	91044	55.718	ug/l		100
42) 1,2-Dichloroethane	6.074	62	179416	52.519	ug/l		99
43) Isopropyl Acetate	6.324	43	281444	54.217	ug/l		99
44) Trichloroethene	7.111	130	119740	55.163	ug/l		96
45) 1,2-Dichloropropane	7.415	63	122712	53.375	ug/l		99
46) Dibromomethane	7.568	93	89980	53.783	ug/l		98
47) Bromodichloromethane	7.806	83	181713	52.634	ug/l		97
48) Methyl methacrylate	7.678	41	142545	55.128	ug/l		99
49) 1,4-Dioxane	7.647	88	30847	1180.454	ug/l		99
51) 4-Methyl-2-Pentanone	8.555	43	818431	284.360	ug/l		100
52) Toluene	8.702	92	300572	54.337	ug/l		97
53) t-1,3-Dichloropropene	8.964	75	179877	51.080	ug/l		99
54) cis-1,3-Dichloropropene	8.354	75	193198	51.329	ug/l		99
55) 1,1,2-Trichloroethane	9.135	97	112754	52.863	ug/l		99
56) Ethyl methacrylate	9.104	69	185618	55.412	ug/l		98
57) 1,3-Dichloropropane	9.293	76	198871	54.276	ug/l		98
58) 2-Chloroethyl Vinyl ether	8.226	63	408214	254.746	ug/l		99
59) 2-Hexanone	9.415	43	569485	275.500	ug/l		99
60) Dibromochloromethane	9.507	129	132153	53.772	ug/l		98
61) 1,2-Dibromoethane	9.592	107	118209	54.411	ug/l		99
64) Tetrachloroethene	9.257	164	94690	54.988	ug/l		97
65) Chlorobenzene	10.061	112	319704	53.275	ug/l		98
66) 1,1,1,2-Tetrachloroethane	10.147	131	109740	52.994	ug/l		100
67) Ethyl Benzene	10.177	91	560432	54.125	ug/l		99
68) m/p-Xylenes	10.287	106	420673	109.153	ug/l		100
69) o-Xylene	10.628	106	202765	54.394	ug/l		99
70) Styrene	10.640	104	354867	54.330	ug/l		98
71) Bromoform	10.781	173	83625	54.082	ug/l	#	99
73) Isopropylbenzene	10.945	105	519628	54.023	ug/l		99
74) N-amyl acetate	10.829	43	244665	55.780	ug/l		100
75) 1,1,2,2-Tetrachloroethane	11.195	83	160544	55.167	ug/l		100
76) 1,2,3-Trichloropropane	11.220	75	176940	69.075	ug/l		89
77) Bromobenzene	11.183	156	126798	53.524	ug/l		99
78) n-propylbenzene	11.287	91	614237	54.021	ug/l		99
79) 2-Chlorotoluene	11.348	91	374535	53.781	ug/l		100
80) 1,3,5-Trimethylbenzene	11.433	105	425139	53.798	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.000	75	48632	48.415	ug/l		98
82) 4-Chlorotoluene	11.439	91	436383	53.056	ug/l		100
83) tert-Butylbenzene	11.695	119	422806	52.265	ug/l		100
84) 1,2,4-Trimethylbenzene	11.732	105	431900	53.907	ug/l		99
85) sec-Butylbenzene	11.872	105	513773	53.468	ug/l		100
86) p-Isopropyltoluene	11.988	119	428563	52.682	ug/l		99
87) 1,3-Dichlorobenzene	11.951	146	230750	52.441	ug/l		100
88) 1,4-Dichlorobenzene	12.024	146	233716	51.751	ug/l		99
89) n-Butylbenzene	12.317	91	397647	52.828	ug/l		99
90) Hexachloroethane	12.518	117	74358	52.063	ug/l		98
91) 1,2-Dichlorobenzene	12.317	146	225205	53.721	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.921	75	32019	54.344	ug/l		99
93) 1,2,4-Trichlorobenzene	13.567	180	141778	52.038	ug/l		98
94) Hexachlorobutadiene	13.707	225	45796	49.486	ug/l		98
95) Naphthalene	13.756	128	446144	53.776	ug/l		100
96) 1,2,3-Trichlorobenzene	13.939	180	133651	52.735	ug/l		99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091825\
Data File : VX047658.D
Acq On : 18 Sep 2025 21:16
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Quant Time: Sep 22 03:46:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

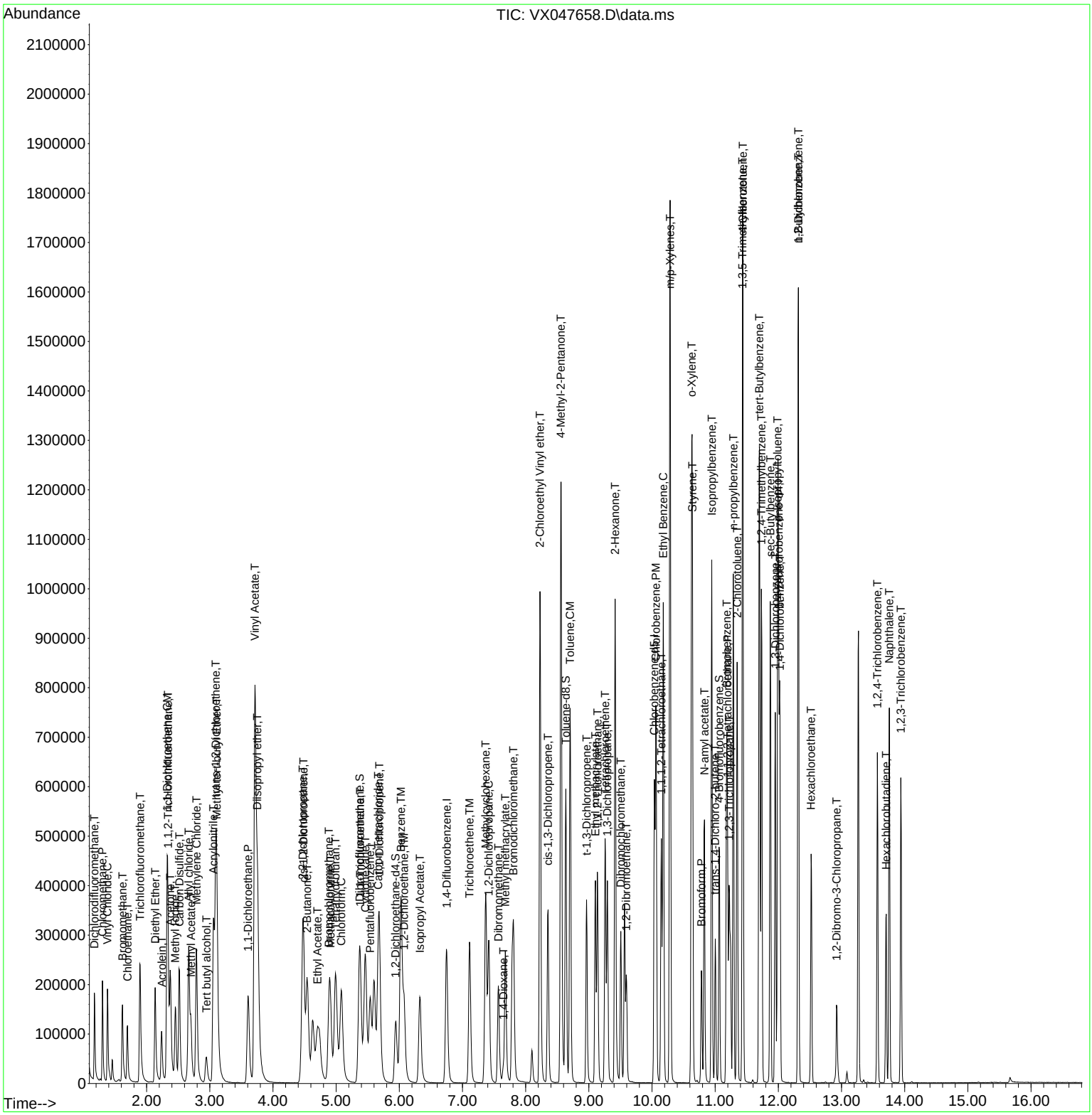
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

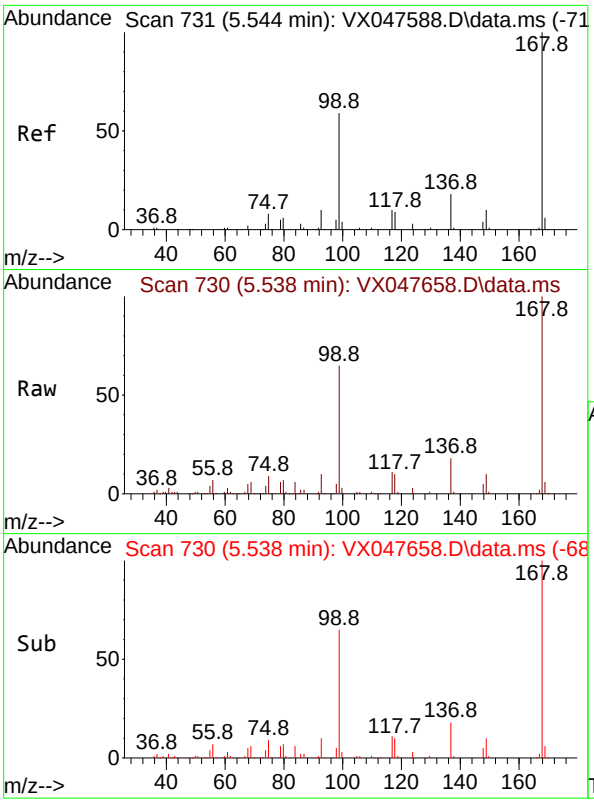
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091825\
Data File : VX047658.D
Acq On : 18 Sep 2025 21:16
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Quant Time: Sep 22 03:46:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



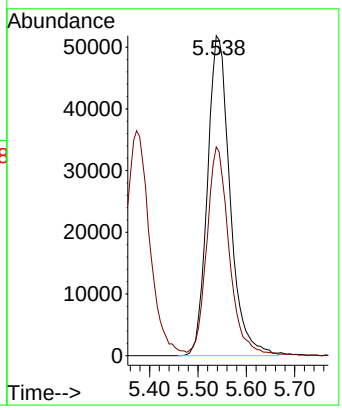


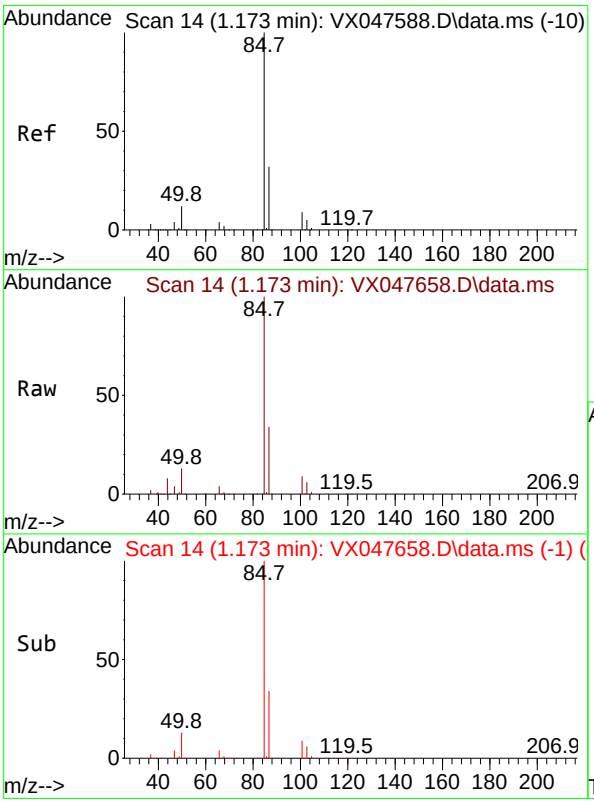
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047658.D
Acq: 18 Sep 2025 21:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:168 Resp: 167954

Ion	Ratio	Lower	Upper
168	100		
99	64.7	48.8	73.2

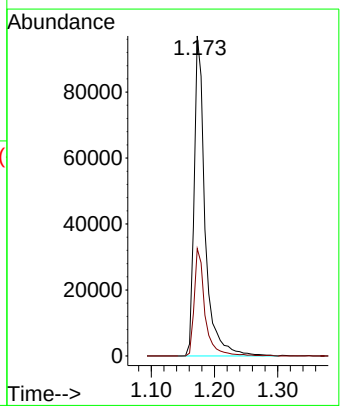


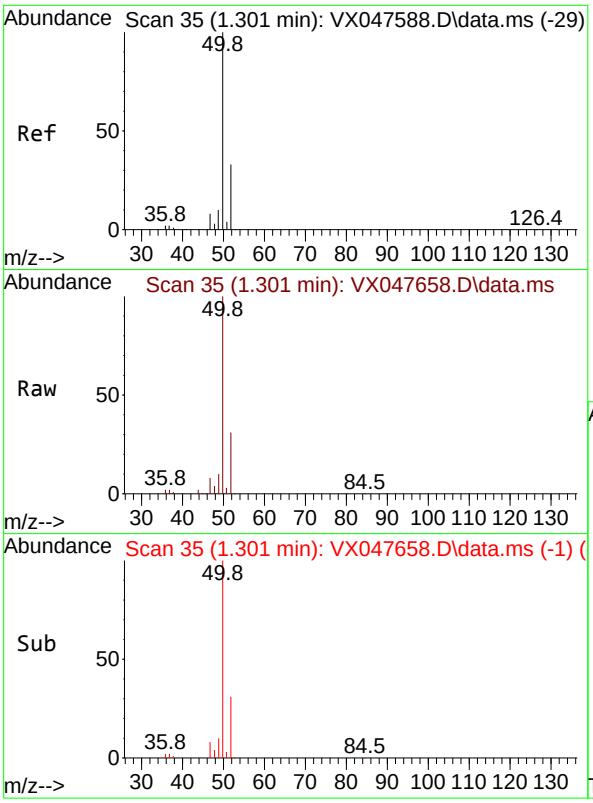


#2
Dichlorodifluoromethane
Concen: 67.108 ug/l
RT: 1.173 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047658.D
Acq: 18 Sep 2025 21:16

Tgt Ion: 85 Resp: 116713

Ion	Ratio	Lower	Upper
85	100		
87	33.5	15.8	47.3



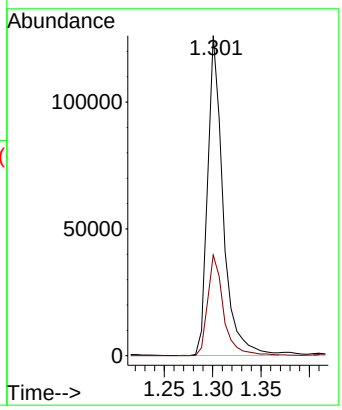


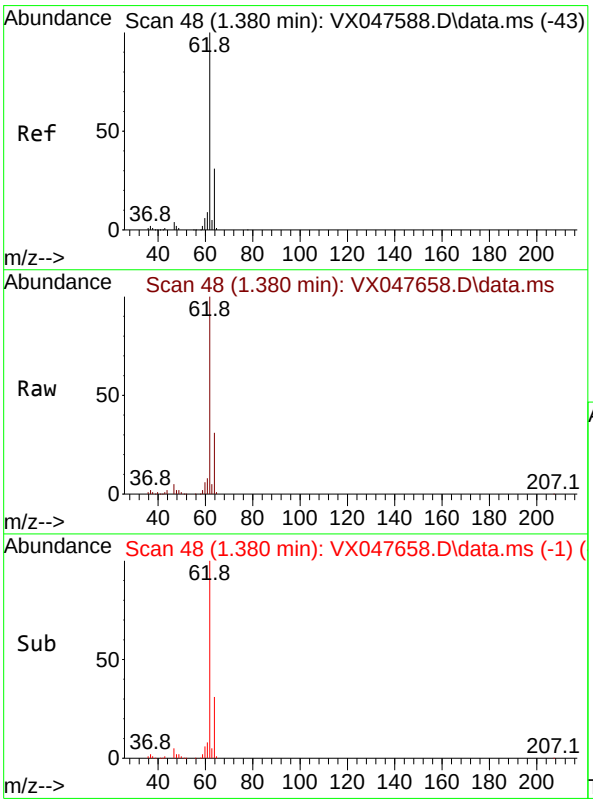
#3
Chloromethane
Concen: 61.357 ug/l
RT: 1.301 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX047658.D
Acq: 18 Sep 2025 21:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 50 Resp: 140249

Ion	Ratio	Lower	Upper
50	100		
52	31.5	26.1	39.1

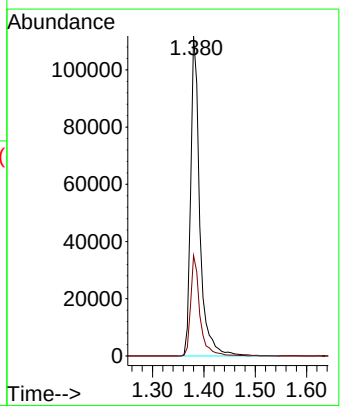


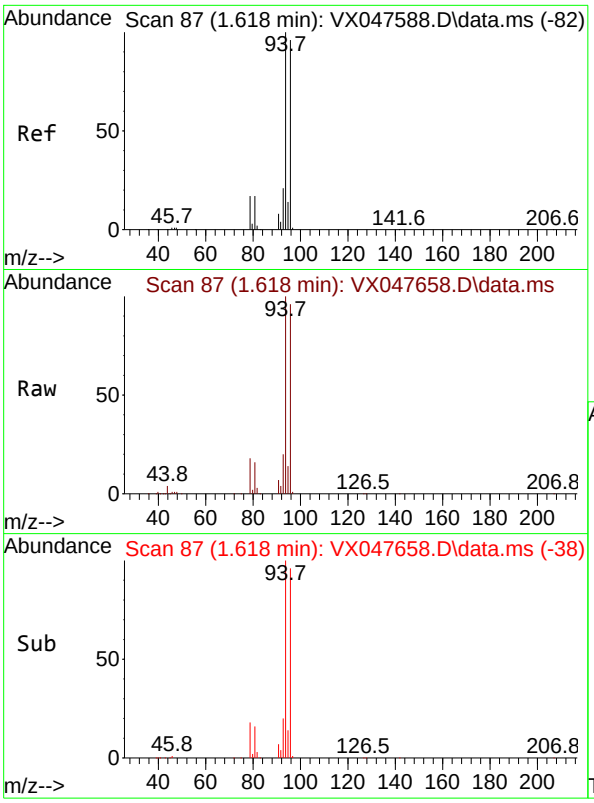


#4
Vinyl Chloride
Concen: 61.961 ug/l
RT: 1.380 min Scan# 48
Delta R.T. 0.000 min
Lab File: VX047658.D
Acq: 18 Sep 2025 21:16

Tgt Ion: 62 Resp: 138638

Ion	Ratio	Lower	Upper
62	100		
64	31.4	24.9	37.3



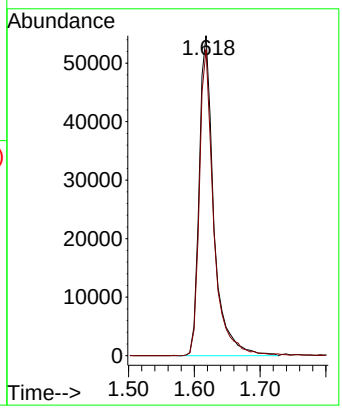


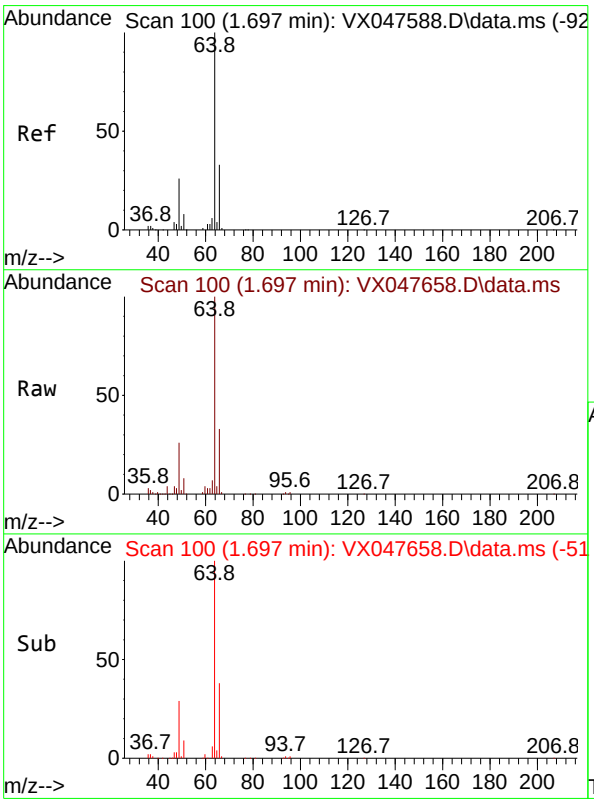
#5
Bromomethane
Concen: 59.732 ug/l
RT: 1.618 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX047658.D
Acq: 18 Sep 2025 21:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 94 Resp: 84750

Ion	Ratio	Lower	Upper
94	100		
96	95.7	76.6	115.0

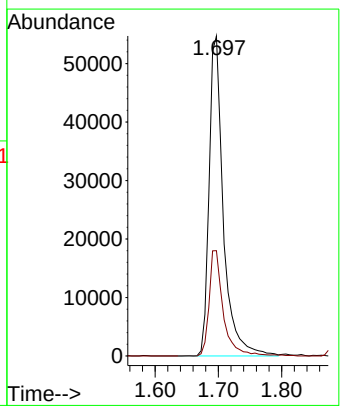


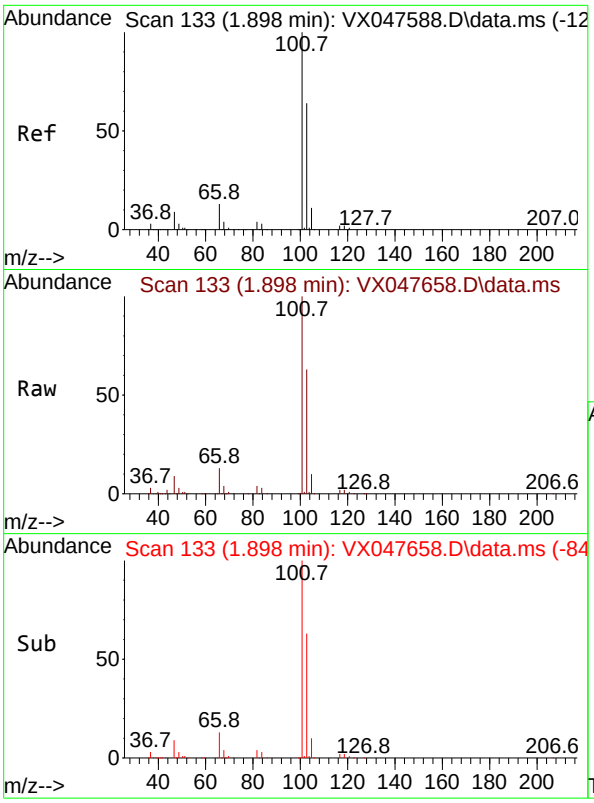


#6
Chloroethane
Concen: 57.154 ug/l
RT: 1.697 min Scan# 100
Delta R.T. 0.000 min
Lab File: VX047658.D
Acq: 18 Sep 2025 21:16

Tgt Ion: 64 Resp: 85472

Ion	Ratio	Lower	Upper
64	100		
66	32.9	26.1	39.1



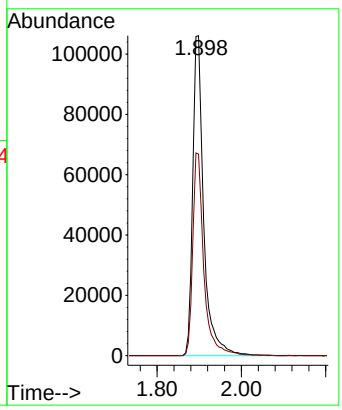


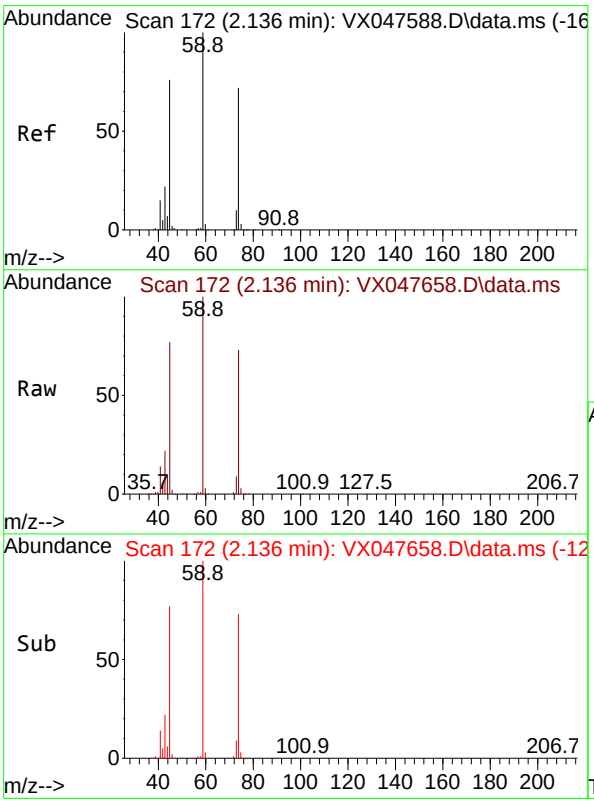
#7
Trichlorofluoromethane
Concen: 58.024 ug/l
RT: 1.898 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047658.D
Acq: 18 Sep 2025 21:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:101 Resp: 192770

Ion	Ratio	Lower	Upper
101	100		
103	63.0	51.4	77.2

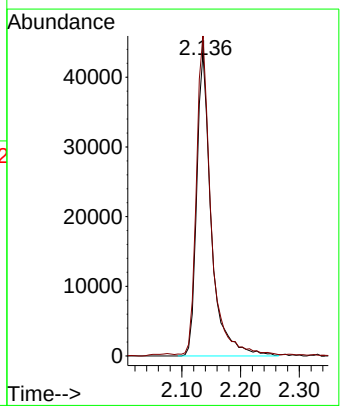


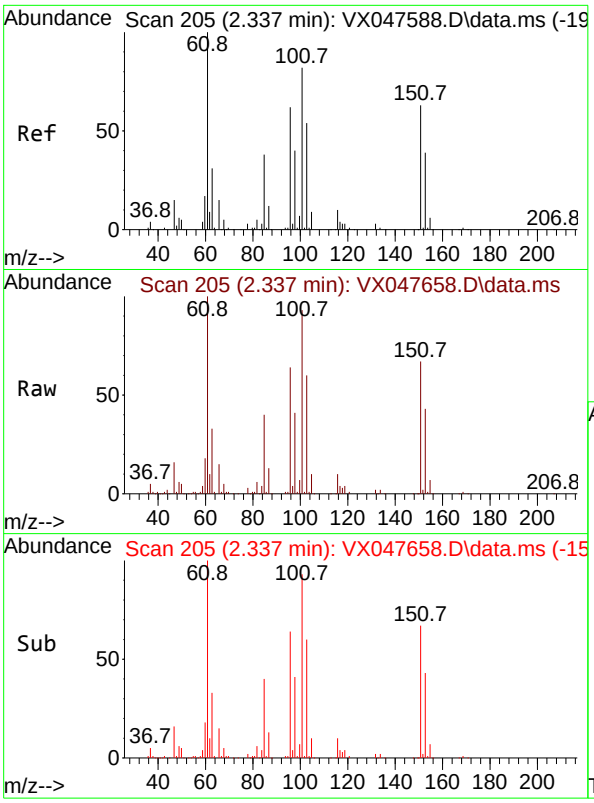


#8
Diethyl Ether
Concen: 55.148 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.000 min
Lab File: VX047658.D
Acq: 18 Sep 2025 21:16

Tgt Ion: 74 Resp: 74948

Ion	Ratio	Lower	Upper
74	100		
45	104.7	52.3	156.8



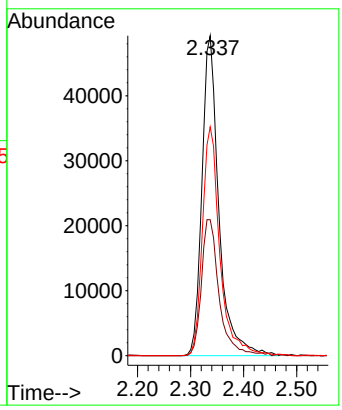


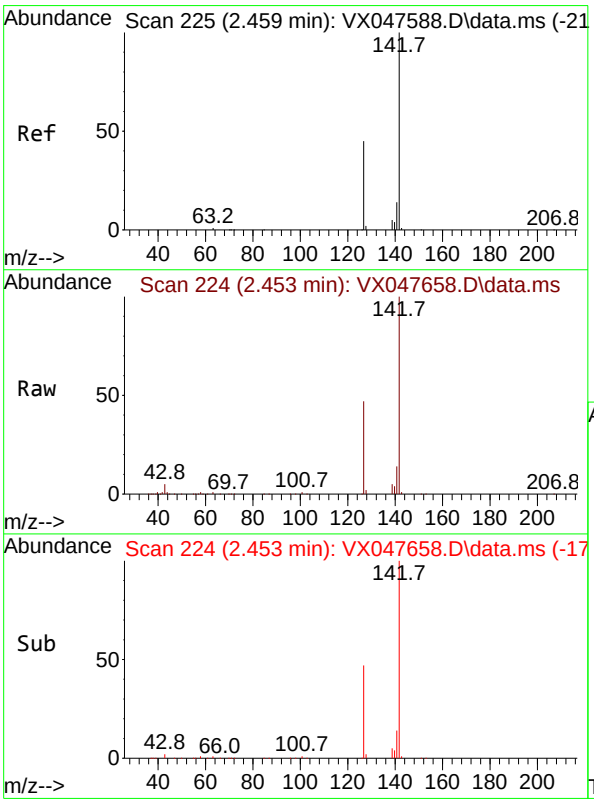
#9
1,1,2-Trichlorotrifluoroethane
Concen: 56.181 ug/l
RT: 2.337 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX047658.D
Acq: 18 Sep 2025 21:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:101 Resp: 109138

Ion	Ratio	Lower	Upper
101	100		
85	44.6	35.5	53.3
151	73.7	59.4	89.0

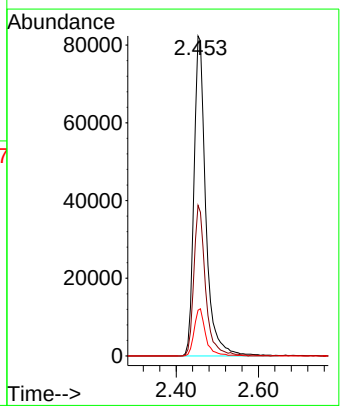


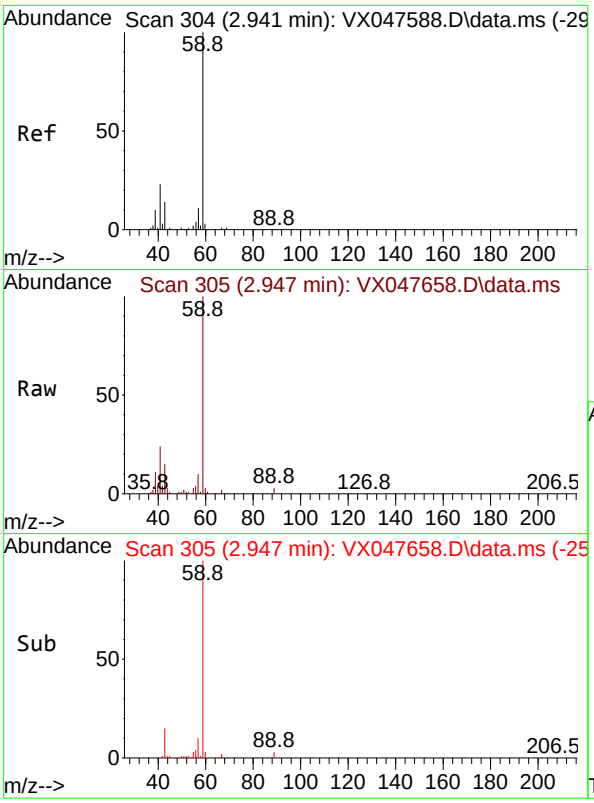


#10
Methyl Iodide
Concen: 54.441 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.006 min
Lab File: VX047658.D
Acq: 18 Sep 2025 21:16

Tgt Ion:142 Resp: 164941

Ion	Ratio	Lower	Upper
142	100		
127	46.3	37.2	55.8
141	14.4	11.4	17.0



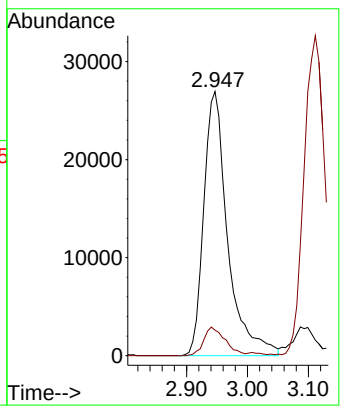


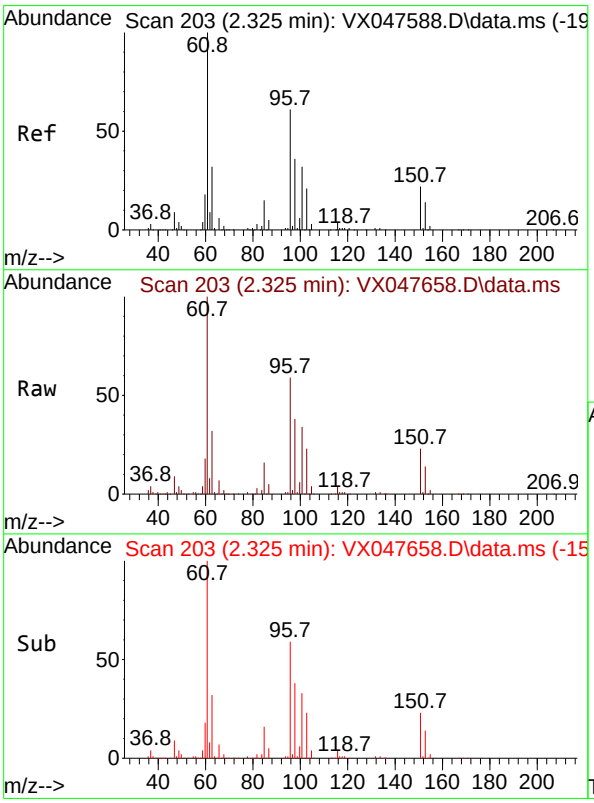
#11
Tert butyl alcohol
Concen: 247.170 ug/l
RT: 2.947 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX047658.D
Acq: 18 Sep 2025 21:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 59 Resp: 73594

Ion	Ratio	Lower	Upper
59	100		
57	9.7	8.3	12.5

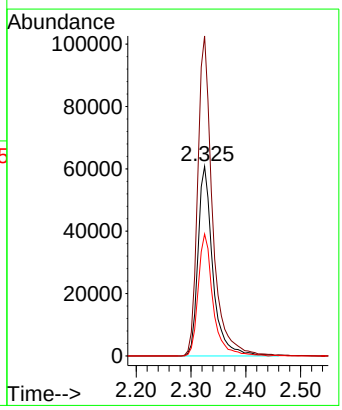


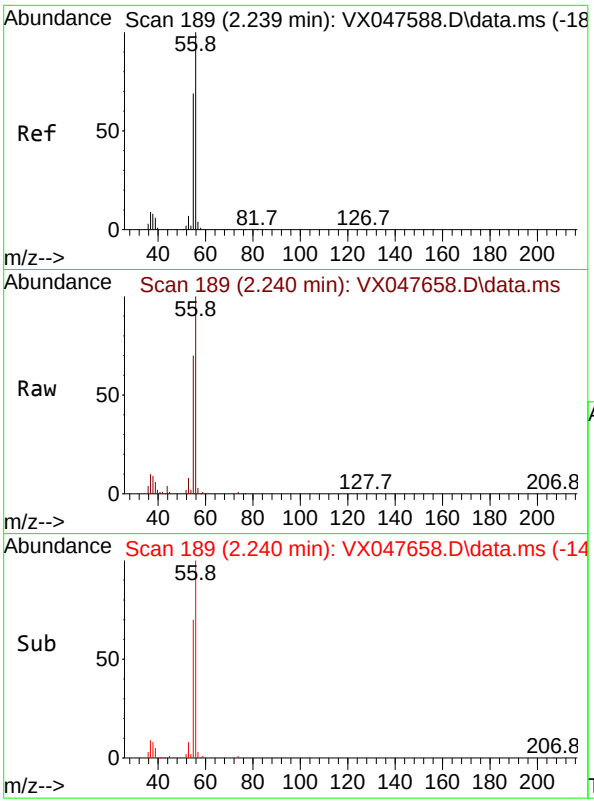


#12
1,1-Dichloroethene
Concen: 57.507 ug/l
RT: 2.325 min Scan# 203
Delta R.T. 0.000 min
Lab File: VX047658.D
Acq: 18 Sep 2025 21:16

Tgt Ion: 96 Resp: 114754

Ion	Ratio	Lower	Upper
96	100		
61	168.7	131.0	196.6
98	64.3	47.7	71.5



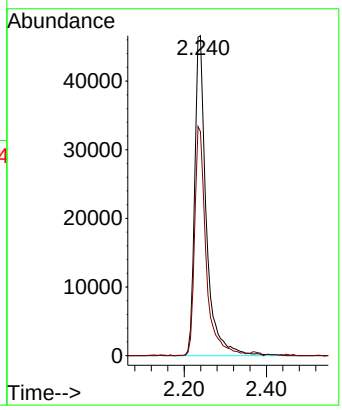


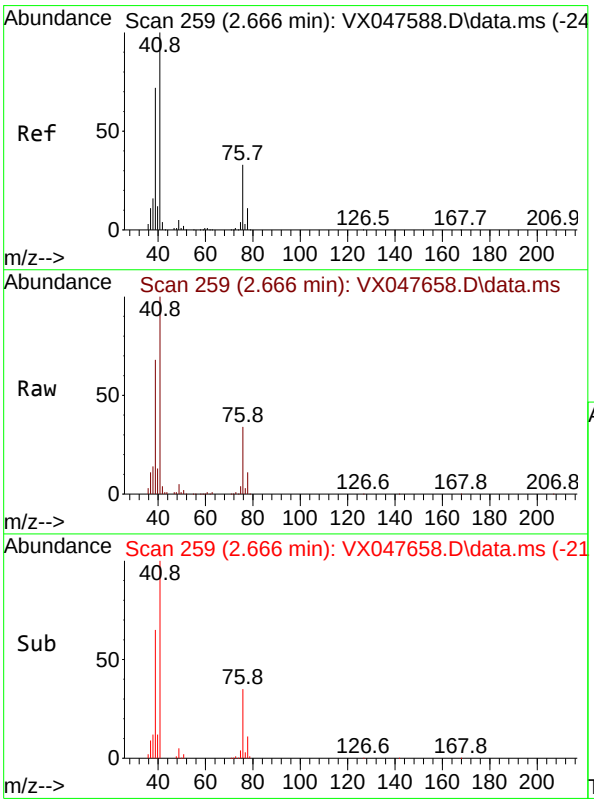
#13
Acrolein
Concen: 333.522 ug/l
RT: 2.240 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047658.D
Acq: 18 Sep 2025 21:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 56 Resp: 91511

Ion	Ratio	Lower	Upper
56	100		
55	70.3	57.2	85.8

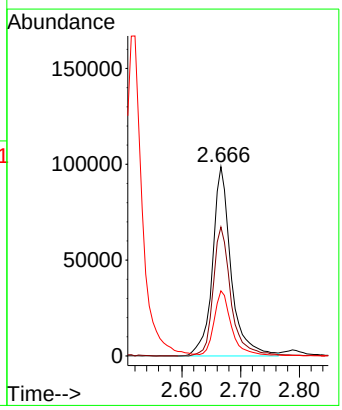


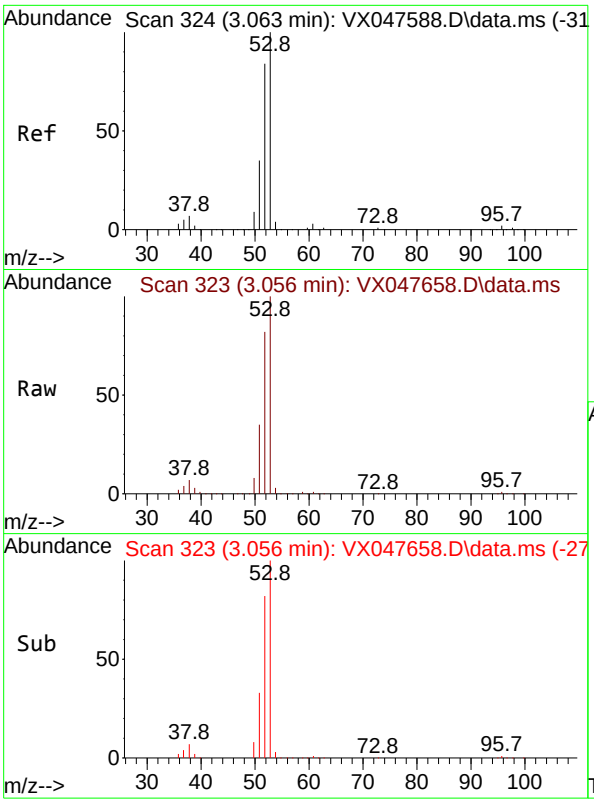


#14
Allyl chloride
Concen: 52.706 ug/l
RT: 2.666 min Scan# 259
Delta R.T. 0.000 min
Lab File: VX047658.D
Acq: 18 Sep 2025 21:16

Tgt Ion: 41 Resp: 217028

Ion	Ratio	Lower	Upper
41	100		
39	66.0	54.7	82.1
76	31.8	25.7	38.5



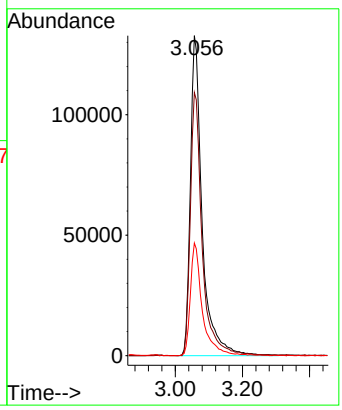


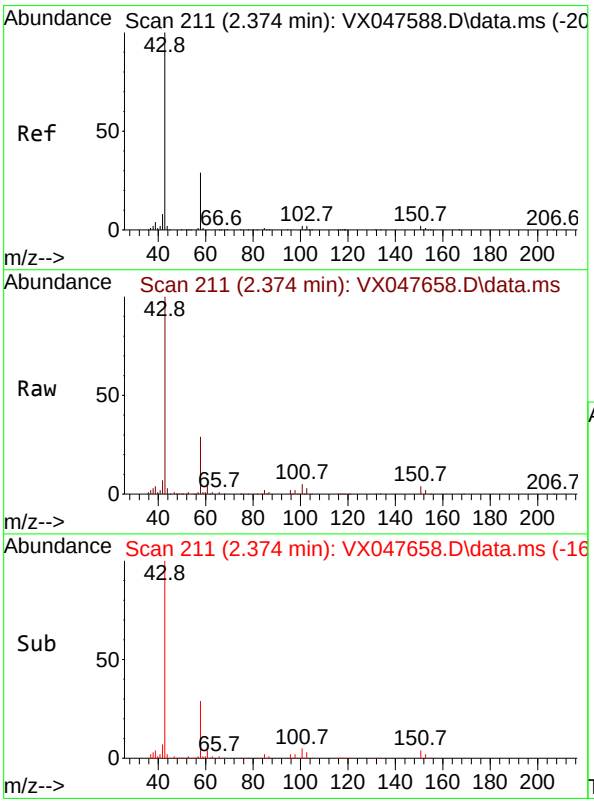
#15
Acrylonitrile
Concen: 293.899 ug/l
RT: 3.056 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047658.D
Acq: 18 Sep 2025 21:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 53 Resp: 324132

Ion	Ratio	Lower	Upper
53	100		
52	82.6	66.4	99.6
51	36.0	29.5	44.3

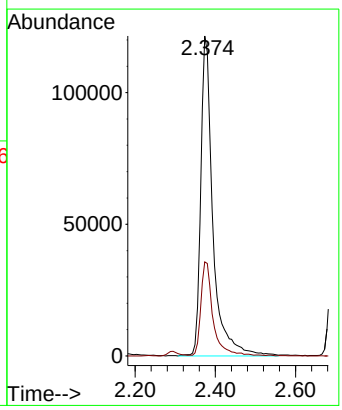


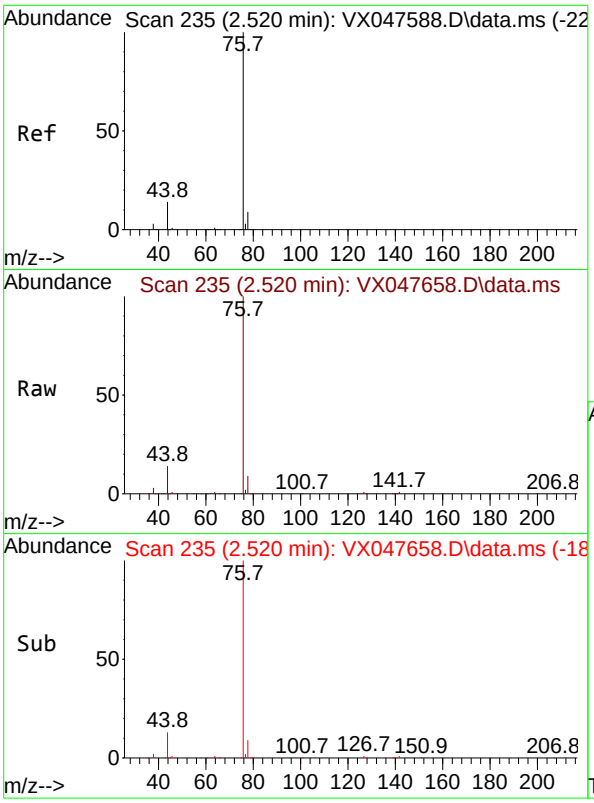


#16
Acetone
Concen: 219.729 ug/l
RT: 2.374 min Scan# 211
Delta R.T. 0.000 min
Lab File: VX047658.D
Acq: 18 Sep 2025 21:16

Tgt Ion: 43 Resp: 255414

Ion	Ratio	Lower	Upper
43	100		
58	29.3	23.4	35.0



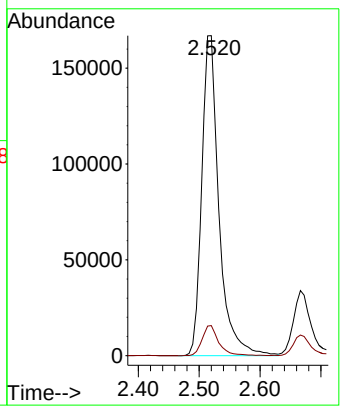


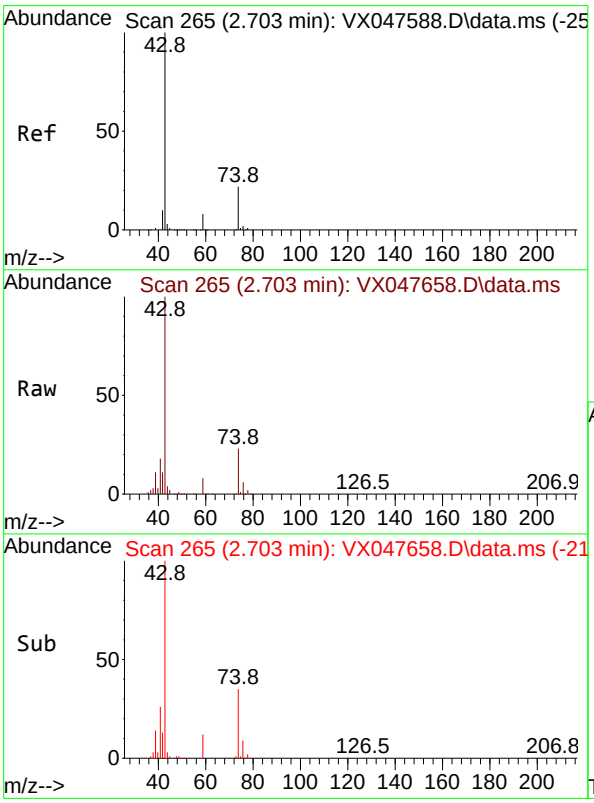
#17
Carbon Disulfide
Concen: 59.925 ug/l
RT: 2.520 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX047658.D
Acq: 18 Sep 2025 21:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 76 Resp: 327359

Ion	Ratio	Lower	Upper
76	100		
78	9.4	6.8	10.2

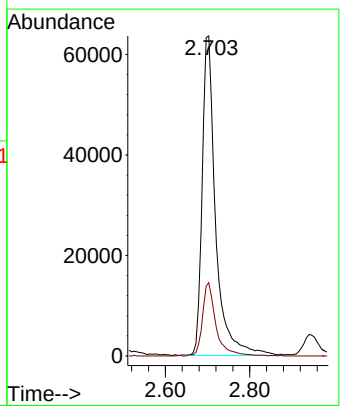


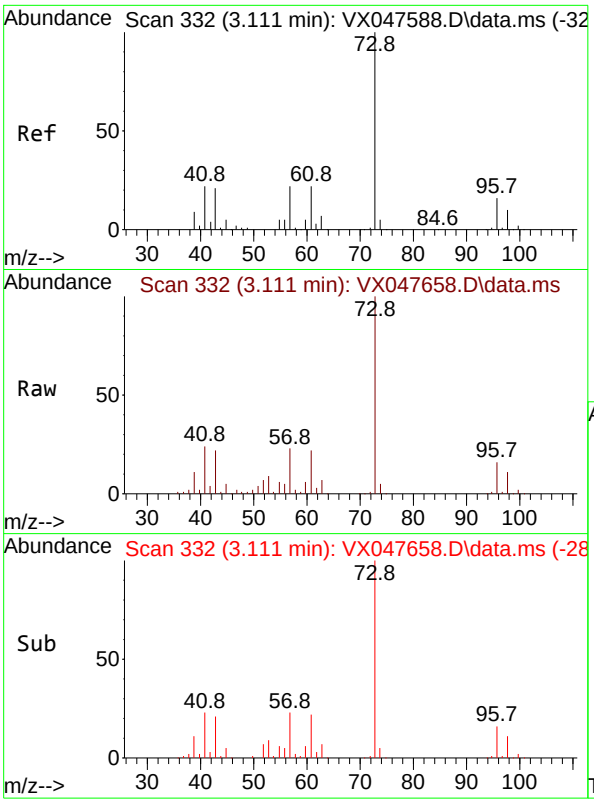


#18
Methyl Acetate
Concen: 54.842 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX047658.D
Acq: 18 Sep 2025 21:16

Tgt Ion: 43 Resp: 141872

Ion	Ratio	Lower	Upper
43	100		
74	22.9	17.4	26.2



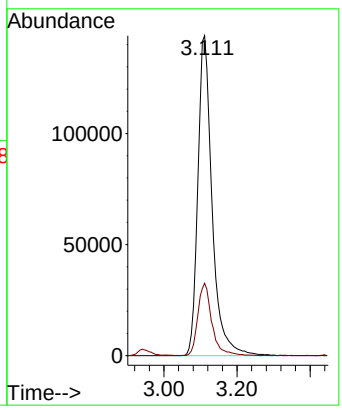


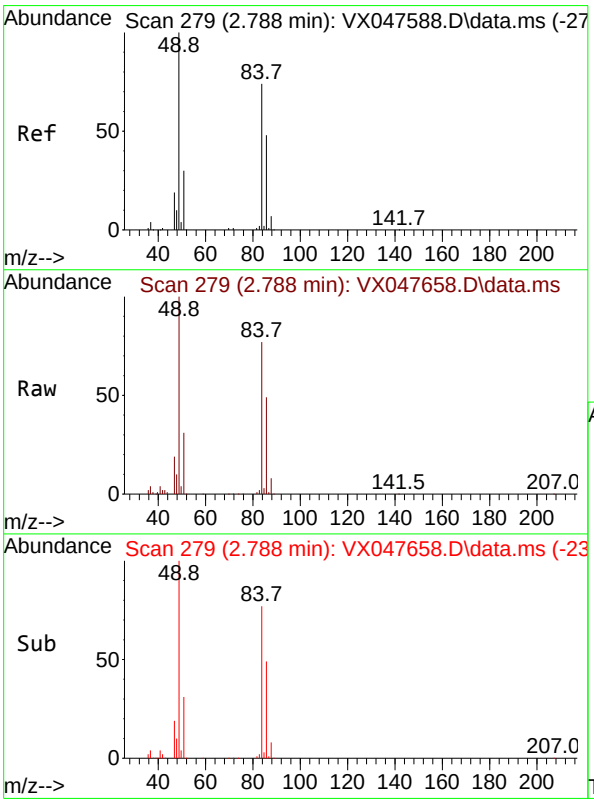
#19
Methyl tert-butyl Ether
Concen: 53.778 ug/l
RT: 3.111 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX047658.D
Acq: 18 Sep 2025 21:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 73 Resp: 391741

Ion	Ratio	Lower	Upper
73	100		
57	22.7	17.4	26.2

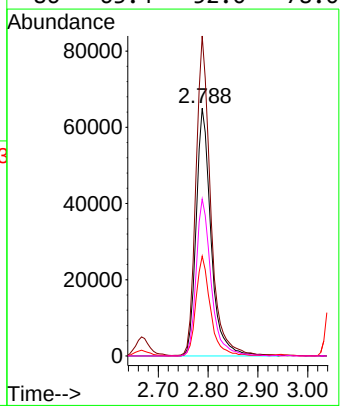


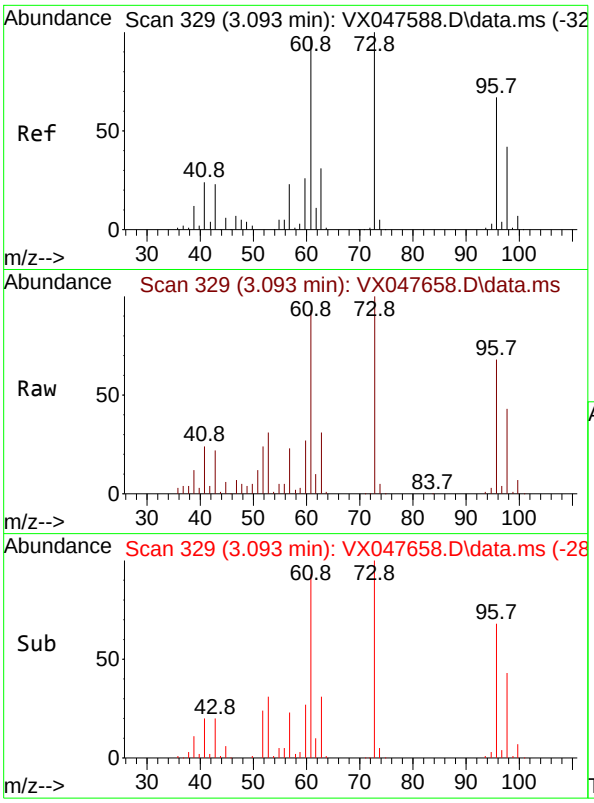


#20
Methylene Chloride
Concen: 54.805 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX047658.D
Acq: 18 Sep 2025 21:16

Tgt Ion: 84 Resp: 134847

Ion	Ratio	Lower	Upper
84	100		
49	129.0	108.6	162.8
51	40.3	32.6	48.8
86	63.4	52.0	78.0



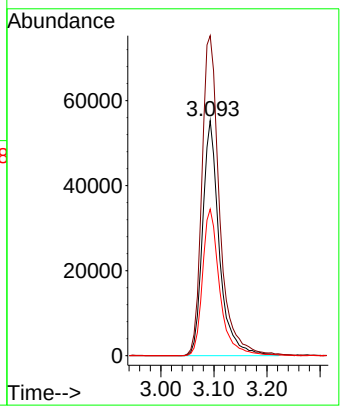


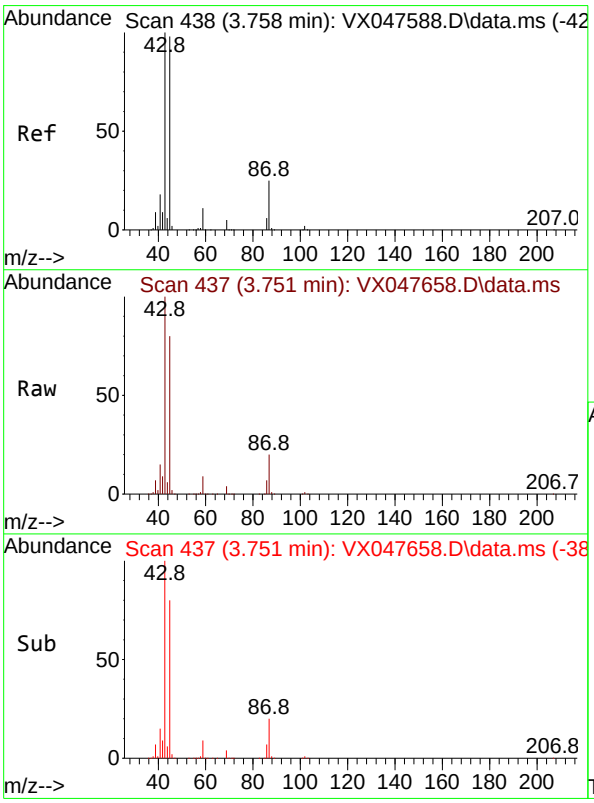
#21
trans-1,2-Dichloroethene
Concen: 56.420 ug/l
RT: 3.093 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX047658.D
Acq: 18 Sep 2025 21:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 96 Resp: 121210

Ion	Ratio	Lower	Upper
96	100		
61	136.1	116.2	174.2
98	62.4	49.3	73.9

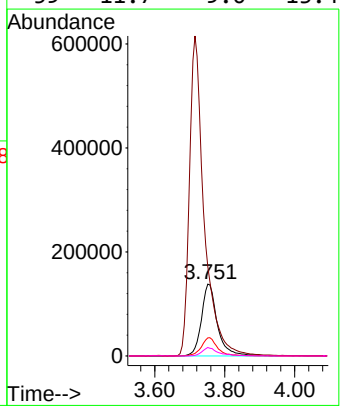


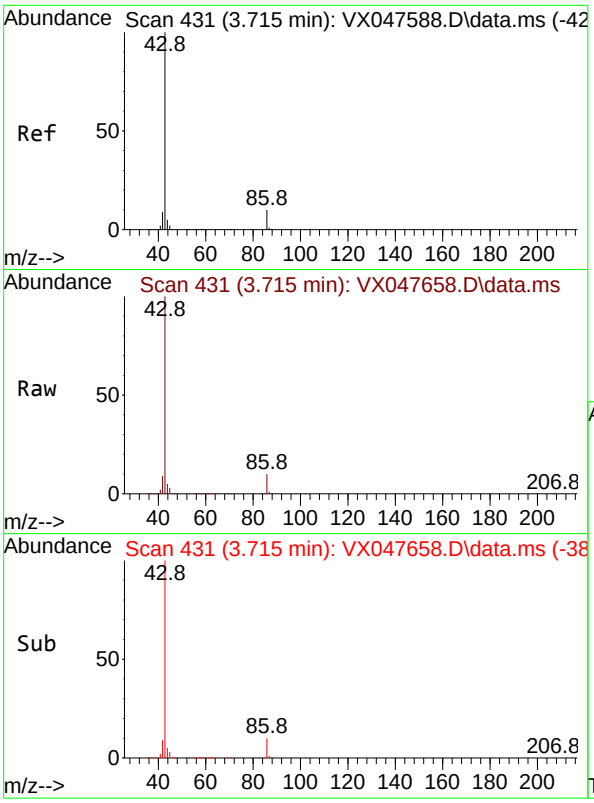


#22
Diisopropyl ether
Concen: 54.509 ug/l
RT: 3.751 min Scan# 437
Delta R.T. -0.006 min
Lab File: VX047658.D
Acq: 18 Sep 2025 21:16

Tgt Ion: 45 Resp: 434997

Ion	Ratio	Lower	Upper
45	100		
43	123.3	81.0	121.4#
87	25.2	20.3	30.5
59	11.7	9.0	13.4



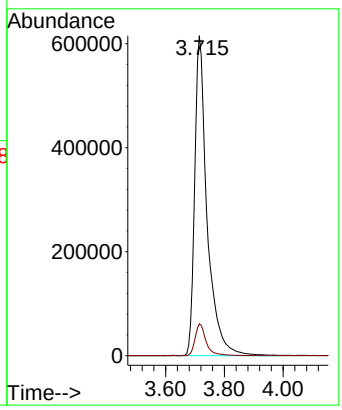


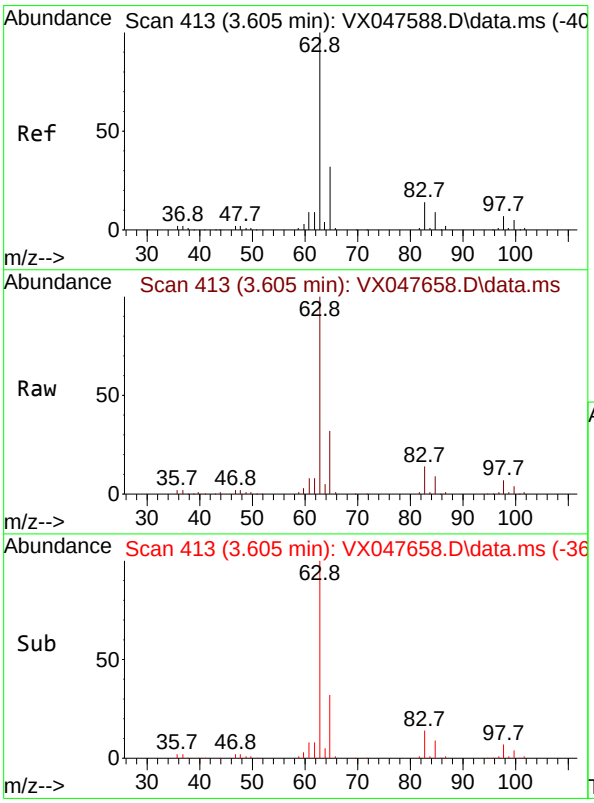
#23
Vinyl Acetate
Concen: 283.269 ug/l
RT: 3.715 min Scan# 4
Delta R.T. 0.000 min
Lab File: VX047658.D
Acq: 18 Sep 2025 21:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 1809225

Ion	Ratio	Lower	Upper
43	100		
86	10.0	7.8	11.8

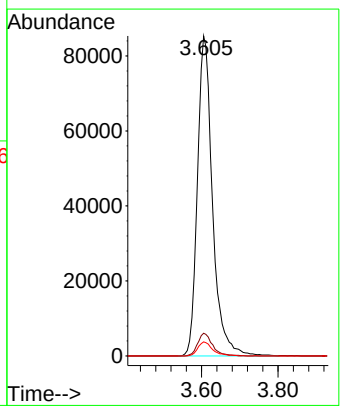


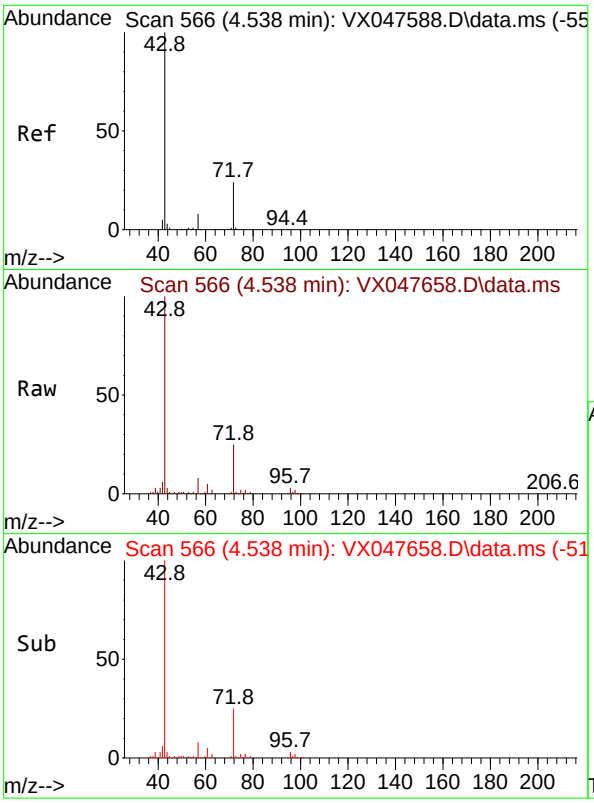


#24
1,1-Dichloroethane
Concen: 55.084 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX047658.D
Acq: 18 Sep 2025 21:16

Tgt Ion: 63 Resp: 233642

Ion	Ratio	Lower	Upper
63	100		
98	7.1	3.8	11.2
100	4.4	2.3	6.9



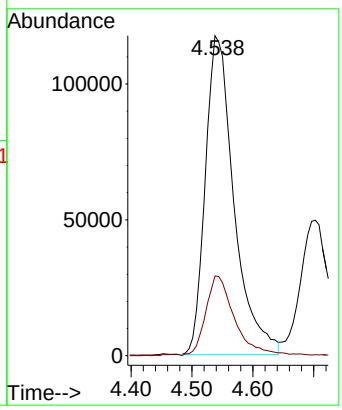


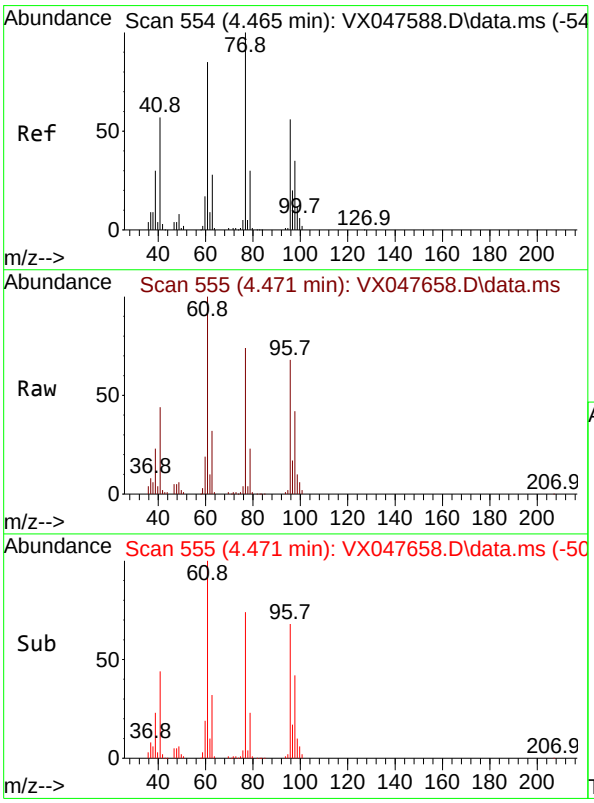
#25
2-Butanone
Concen: 264.947 ug/l
RT: 4.538 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX047658.D
Acq: 18 Sep 2025 21:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 384161

Ion	Ratio	Lower	Upper
43	100		
72	24.3	20.1	30.1

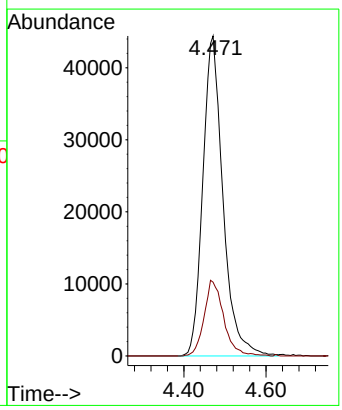


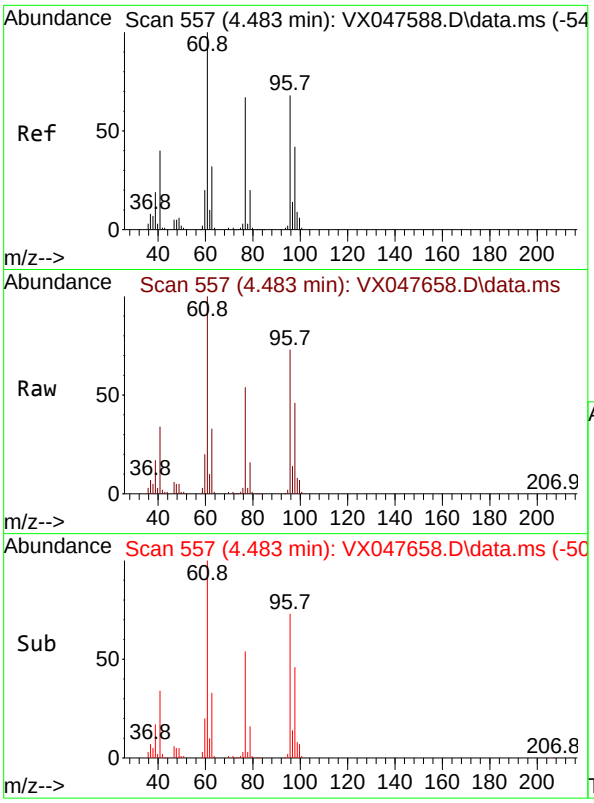


#26
2,2-Dichloropropane
Concen: 42.831 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX047658.D
Acq: 18 Sep 2025 21:16

Tgt Ion: 77 Resp: 151016

Ion	Ratio	Lower	Upper
77	100		
97	23.0	10.9	32.7



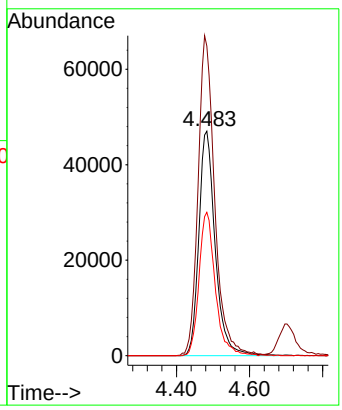


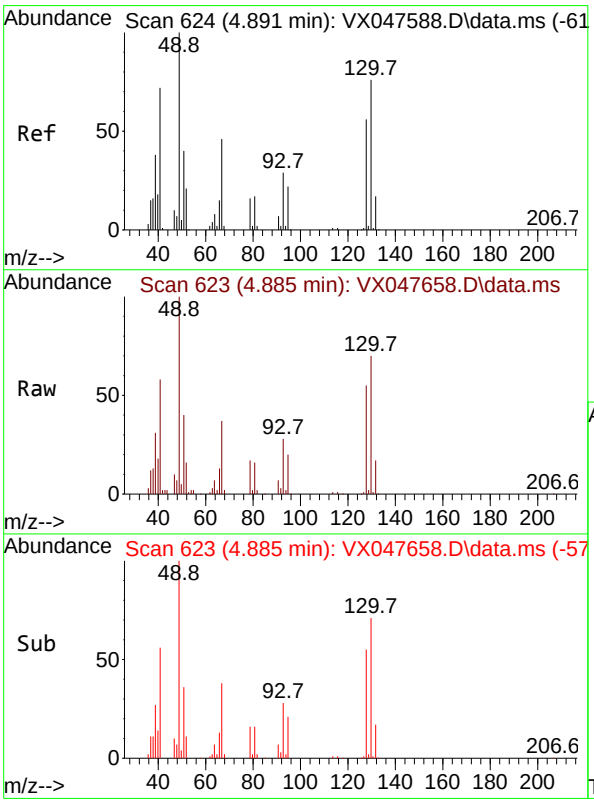
#27
cis-1,2-Dichloroethene
Concen: 55.442 ug/l
RT: 4.483 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX047658.D
Acq: 18 Sep 2025 21:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 96 Resp: 145870

Ion	Ratio	Lower	Upper
96	100		
61	145.4	0.0	303.2
98	63.7	0.0	127.8

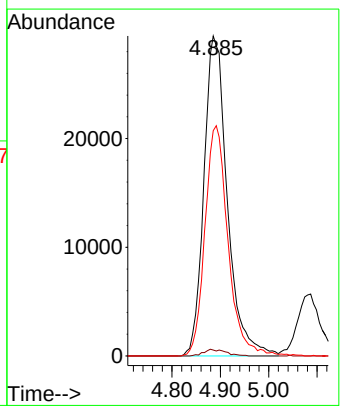


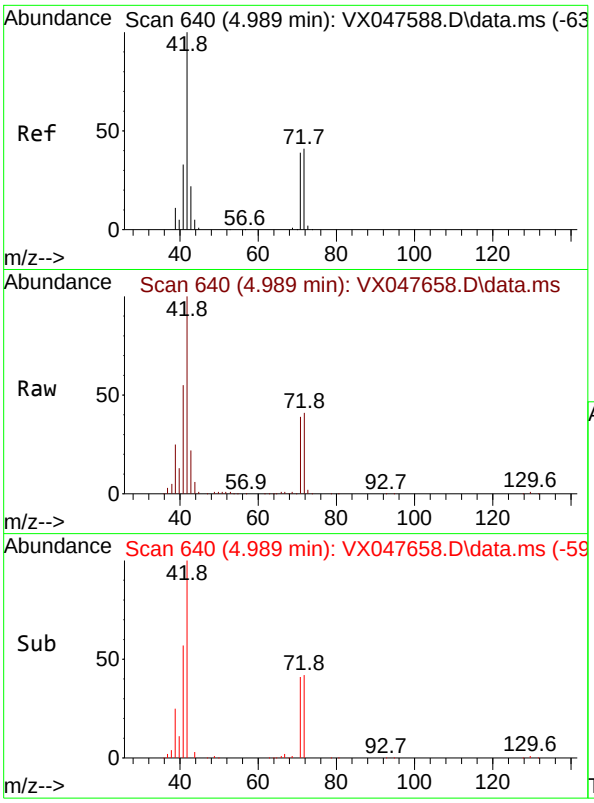


#28
Bromochloromethane
Concen: 53.438 ug/l
RT: 4.885 min Scan# 623
Delta R.T. -0.006 min
Lab File: VX047658.D
Acq: 18 Sep 2025 21:16

Tgt Ion: 49 Resp: 98953

Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	3.2
130	71.2	57.8	86.8



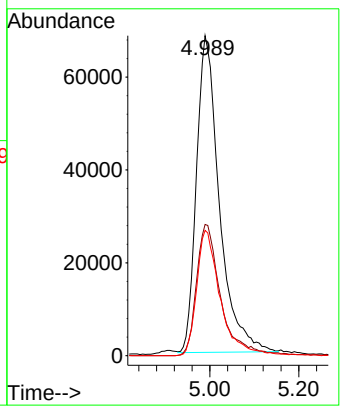


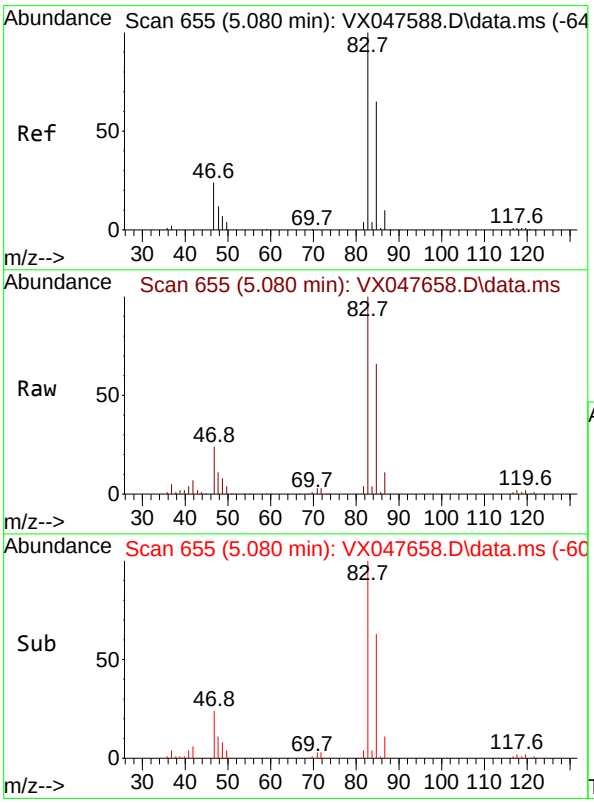
#29
Tetrahydrofuran
Concen: 280.136 ug/l
RT: 4.989 min Scan# 64
Delta R.T. 0.000 min
Lab File: VX047658.D
Acq: 18 Sep 2025 21:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 42 Resp: 244351

Ion	Ratio	Lower	Upper
42	100		
72	44.0	34.2	51.2
71	40.9	31.9	47.9

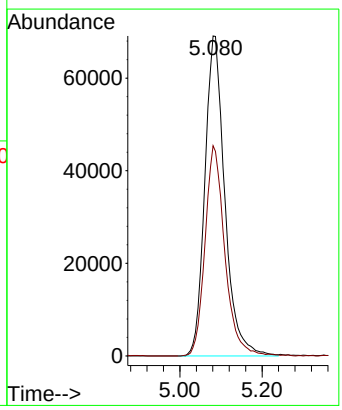


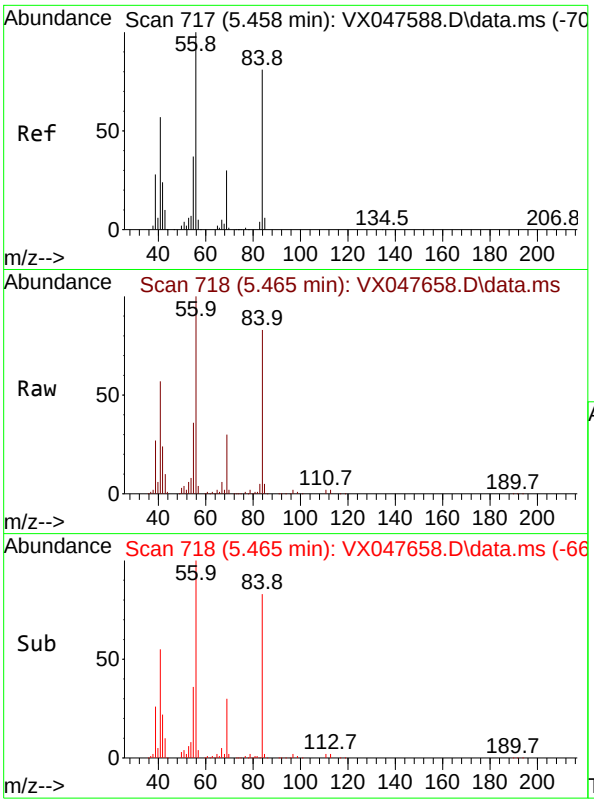


#30
Chloroform
Concen: 54.285 ug/l
RT: 5.080 min Scan# 655
Delta R.T. 0.000 min
Lab File: VX047658.D
Acq: 18 Sep 2025 21:16

Tgt Ion: 83 Resp: 232676

Ion	Ratio	Lower	Upper
83	100		
85	65.7	51.8	77.6



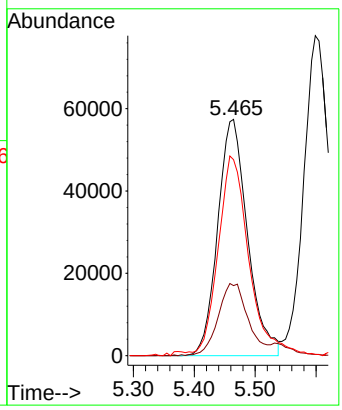


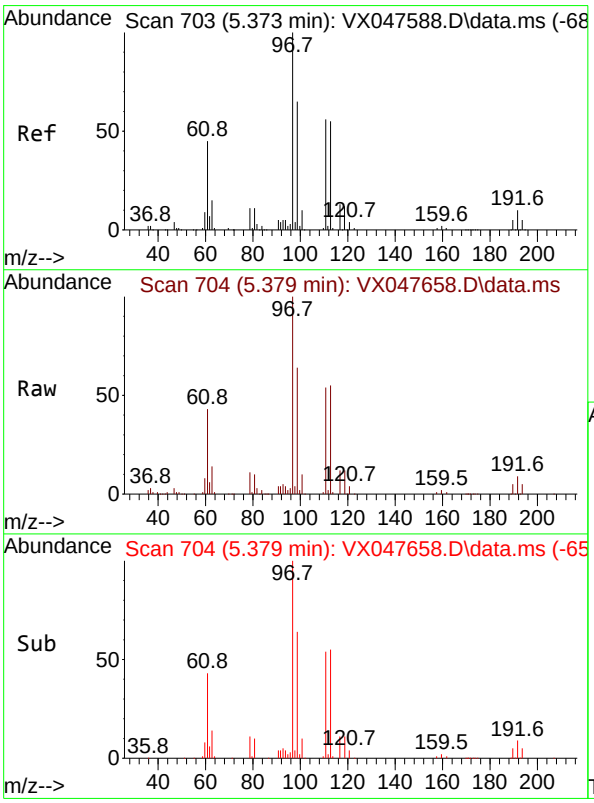
#31
Cyclohexane
Concen: 55.215 ug/l
RT: 5.465 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047658.D
Acq: 18 Sep 2025 21:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 56 Resp: 195059

Ion	Ratio	Lower	Upper
56	100		
69	29.2	23.8	35.8
84	81.2	64.6	97.0

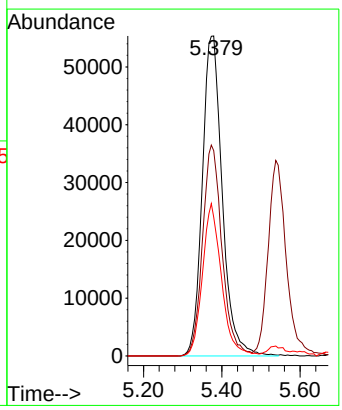


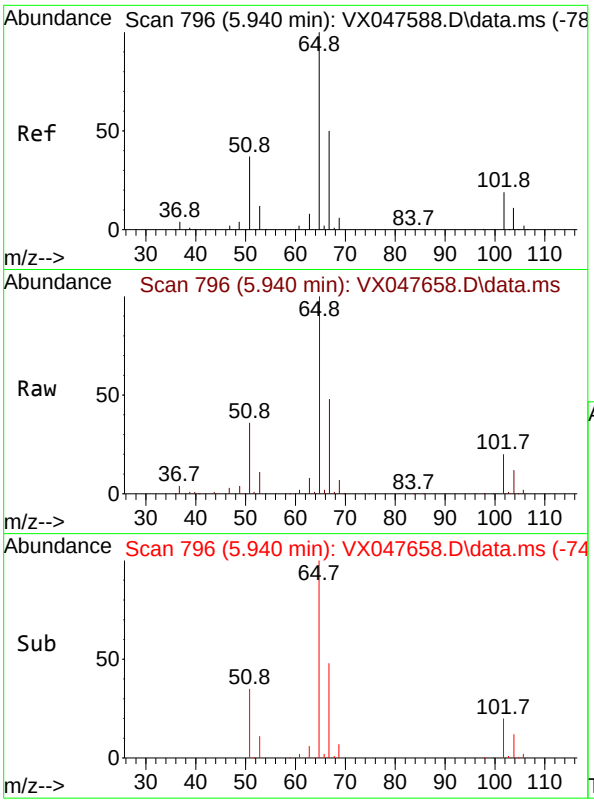


#32
1,1,1-Trichloroethane
Concen: 53.945 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX047658.D
Acq: 18 Sep 2025 21:16

Tgt Ion: 97 Resp: 196125

Ion	Ratio	Lower	Upper
97	100		
99	64.1	50.6	76.0
61	45.3	35.8	53.8



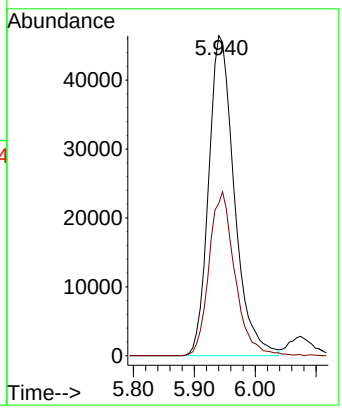


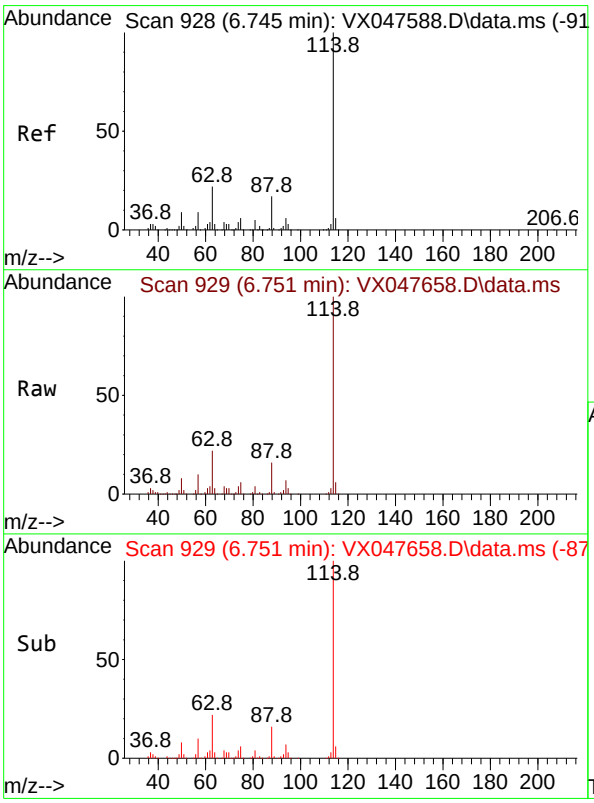
#33
1,2-Dichloroethane-d4
Concen: 50.938 ug/l
RT: 5.940 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX047658.D
Acq: 18 Sep 2025 21:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 65 Resp: 136178

Ion	Ratio	Lower	Upper
65	100		
67	51.5	0.0	103.0

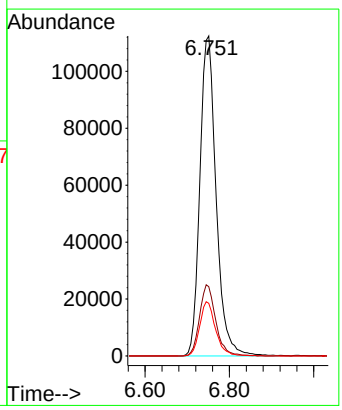


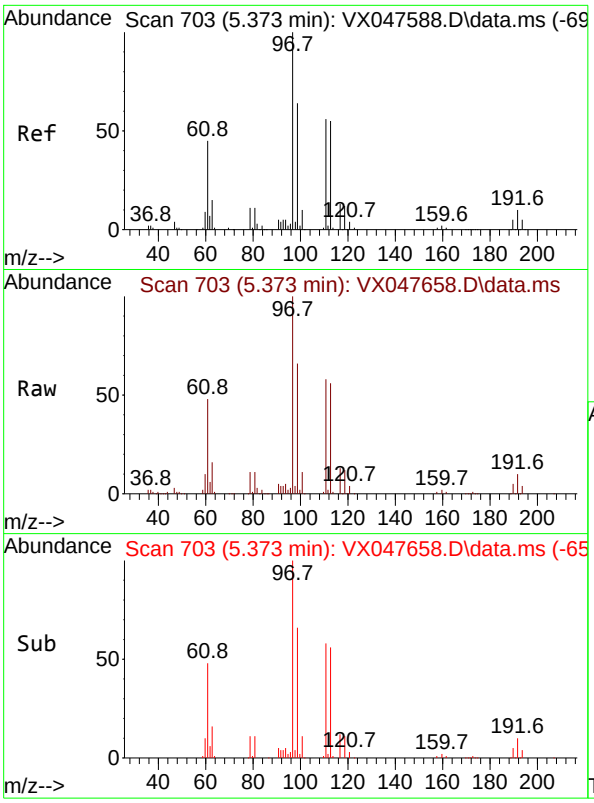


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 929
Delta R.T. 0.006 min
Lab File: VX047658.D
Acq: 18 Sep 2025 21:16

Tgt Ion:114 Resp: 301649

Ion	Ratio	Lower	Upper
114	100		
63	21.6	0.0	44.0
88	16.5	0.0	34.2



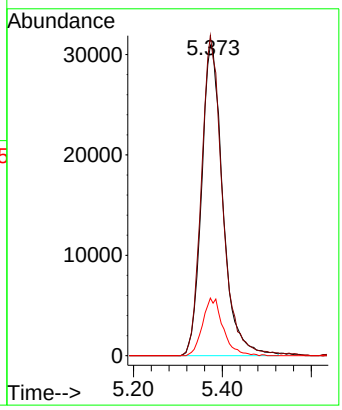


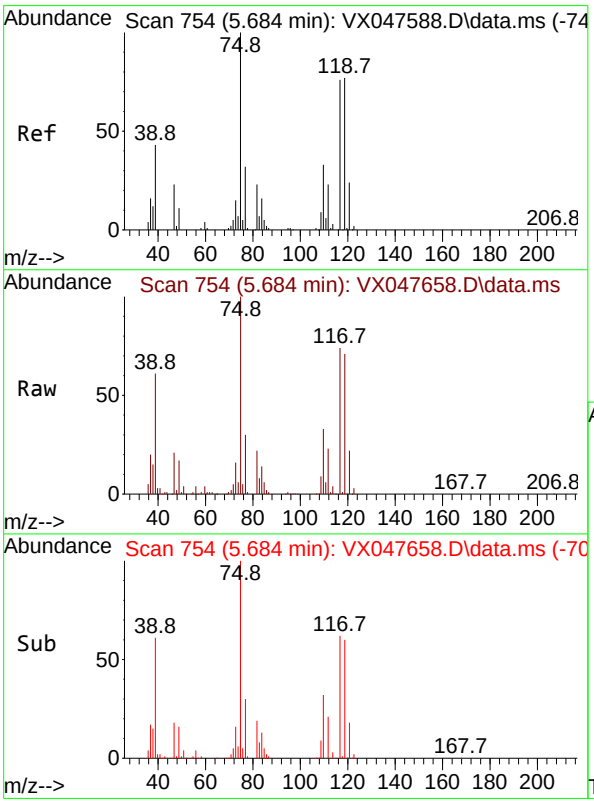
#35
Dibromofluoromethane
Concen: 51.115 ug/l
RT: 5.373 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX047658.D
Acq: 18 Sep 2025 21:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:113 Resp: 103407

Ion	Ratio	Lower	Upper
113	100		
111	101.8	80.9	121.3
192	17.8	14.2	21.4

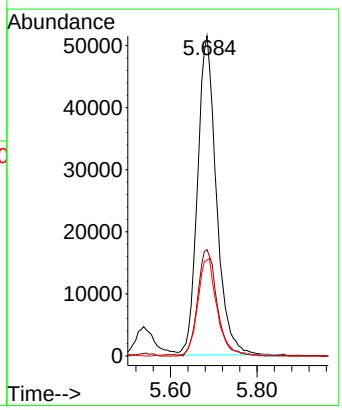


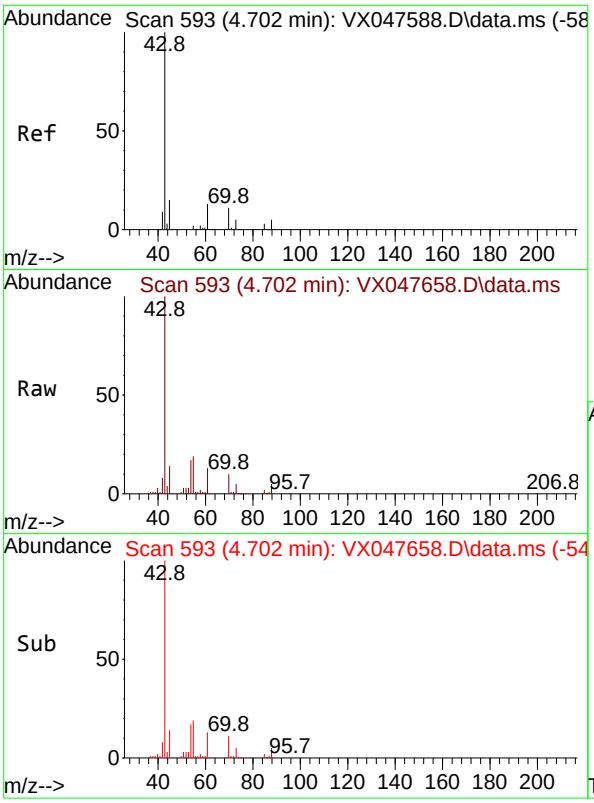


#36
1,1-Dichloropropene
Concen: 52.483 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.000 min
Lab File: VX047658.D
Acq: 18 Sep 2025 21:16

Tgt Ion: 75 Resp: 155147

Ion	Ratio	Lower	Upper
75	100		
110	34.5	16.7	50.1
77	31.3	24.3	36.5



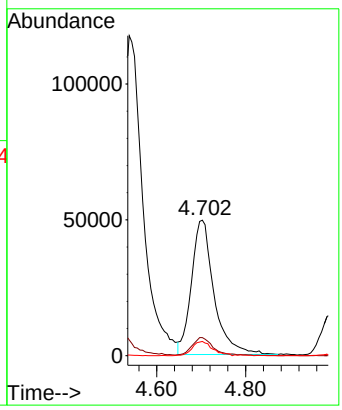


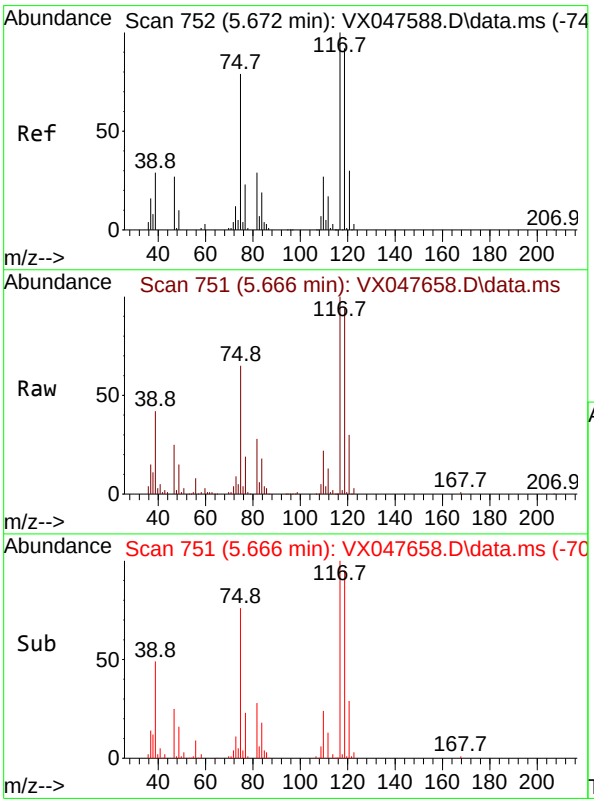
#37
Ethyl Acetate
Concen: 54.969 ug/l
RT: 4.702 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX047658.D
Acq: 18 Sep 2025 21:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 173987

Ion	Ratio	Lower	Upper
43	100		
61	12.5	9.8	14.8
70	9.5	7.9	11.9

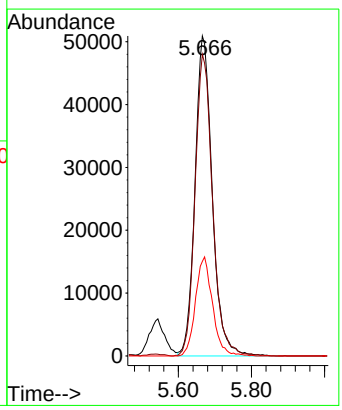


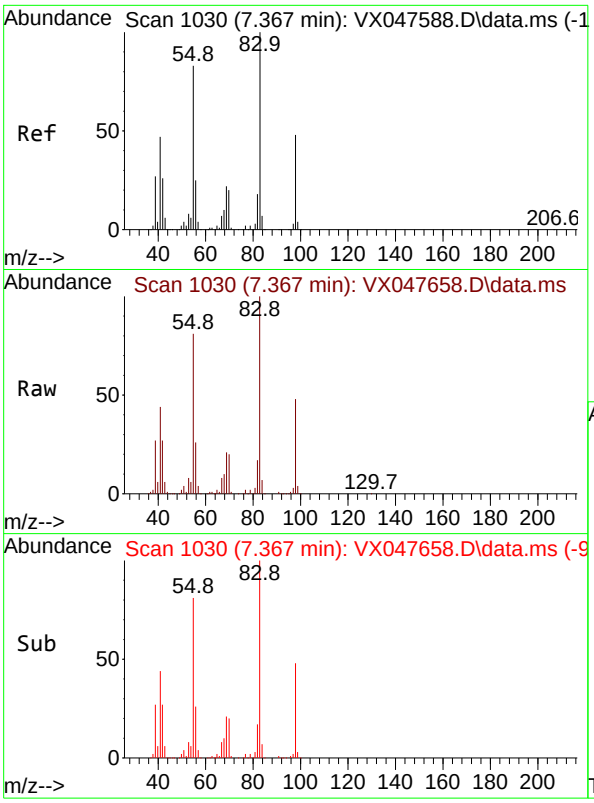


#38
Carbon Tetrachloride
Concen: 52.118 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX047658.D
Acq: 18 Sep 2025 21:16

Tgt Ion:117 Resp: 167396

Ion	Ratio	Lower	Upper
117	100		
119	94.3	73.4	110.2
121	29.5	23.8	35.6



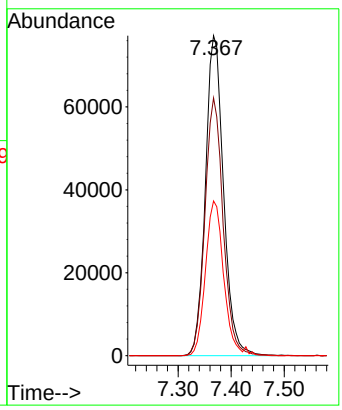


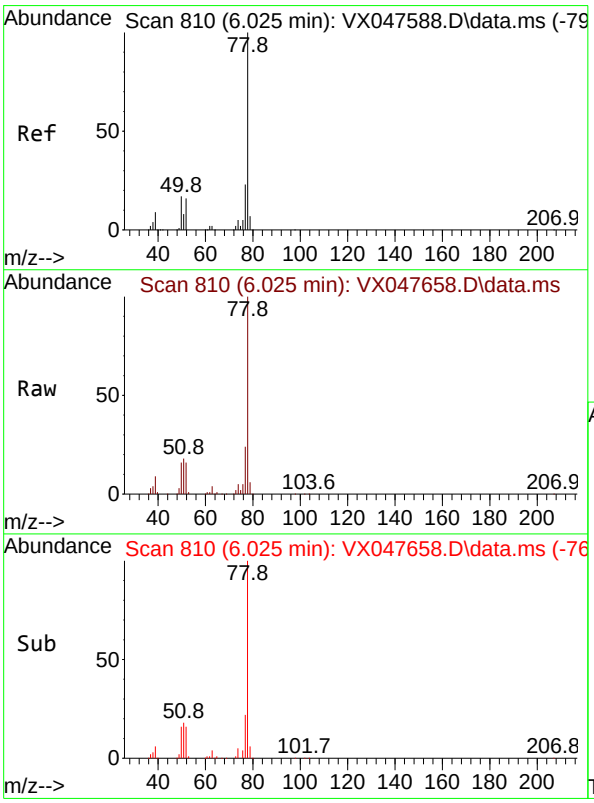
#39
Methylcyclohexane
Concen: 54.630 ug/l
RT: 7.367 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047658.D
Acq: 18 Sep 2025 21:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 183314

Ion	Ratio	Lower	Upper
83	100		
55	80.5	66.4	99.6
98	48.4	38.1	57.1

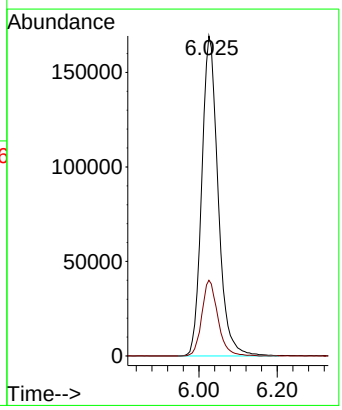


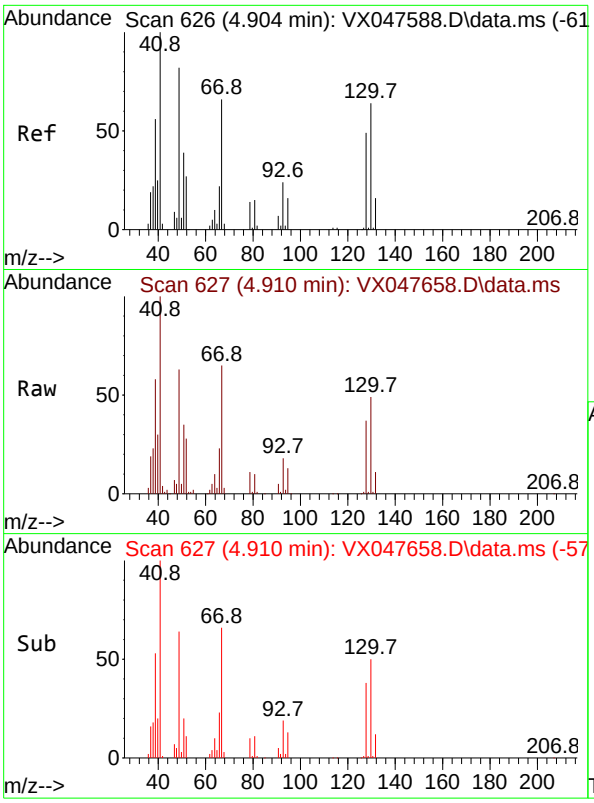


#40
Benzene
Concen: 54.614 ug/l
RT: 6.025 min Scan# 810
Delta R.T. 0.000 min
Lab File: VX047658.D
Acq: 18 Sep 2025 21:16

Tgt Ion: 78 Resp: 490348

Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.8	28.2



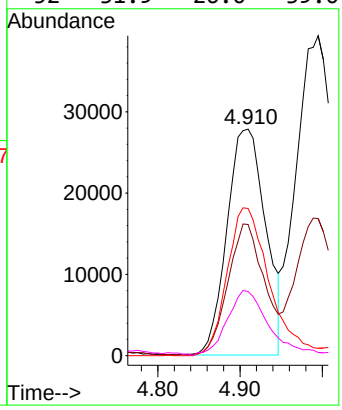


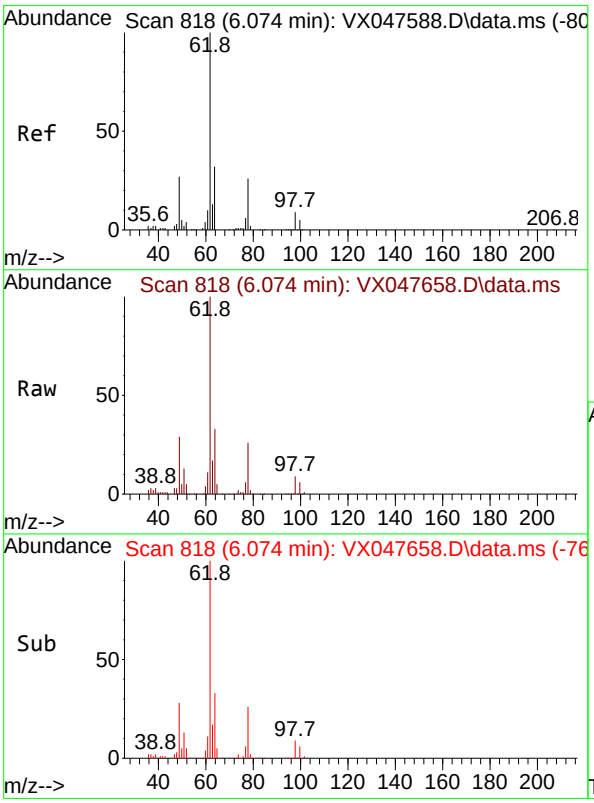
#41
Methacrylonitrile
Concen: 55.718 ug/l
RT: 4.910 min Scan# 6
Delta R.T. 0.006 min
Lab File: VX047658.D
Acq: 18 Sep 2025 21:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 41 Resp: 91044

Ion	Ratio	Lower	Upper
41	100		
39	54.1	43.3	64.9
67	73.1	58.6	87.8
52	31.9	26.0	39.0

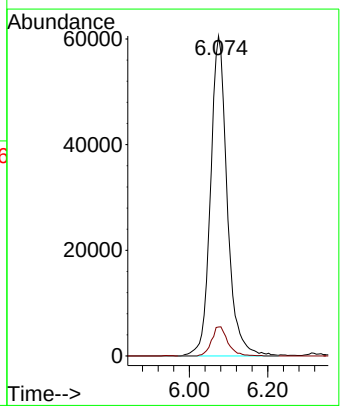


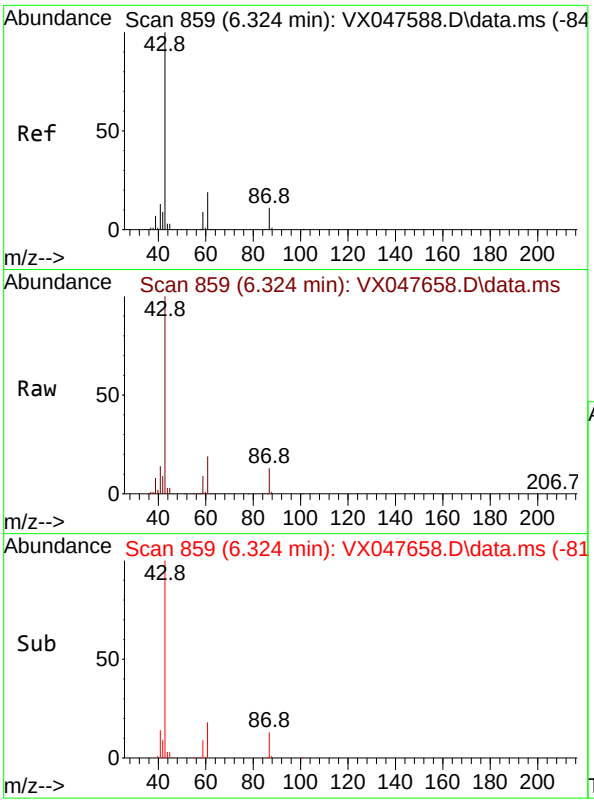


#42
1,2-Dichloroethane
Concen: 52.519 ug/l
RT: 6.074 min Scan# 818
Delta R.T. 0.000 min
Lab File: VX047658.D
Acq: 18 Sep 2025 21:16

Tgt Ion: 62 Resp: 179416

Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	17.0



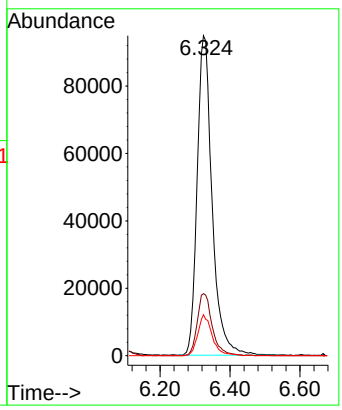


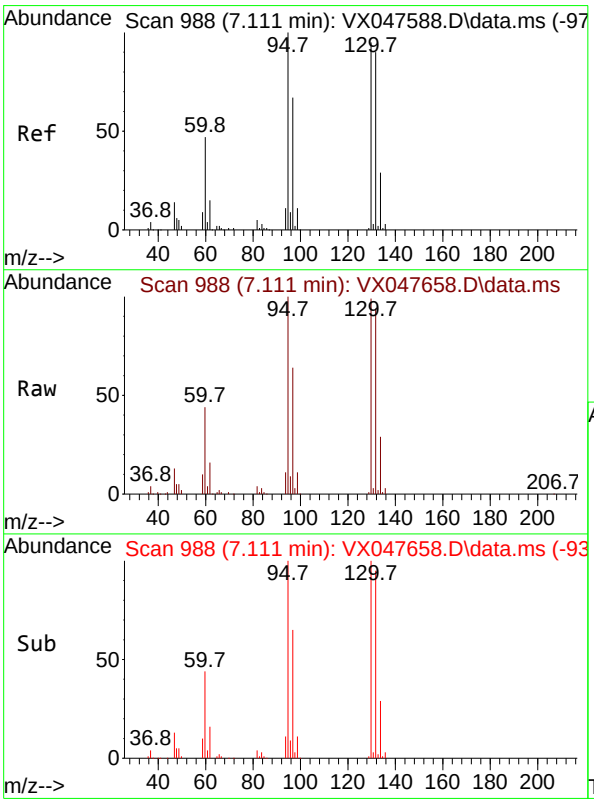
#43
Isopropyl Acetate
Concen: 54.217 ug/l
RT: 6.324 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX047658.D
Acq: 18 Sep 2025 21:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 281444

Ion	Ratio	Lower	Upper
43	100		
61	19.4	15.2	22.8
87	12.2	9.6	14.4

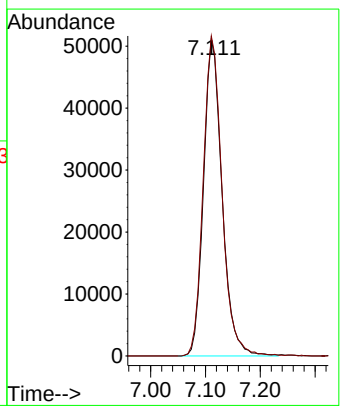


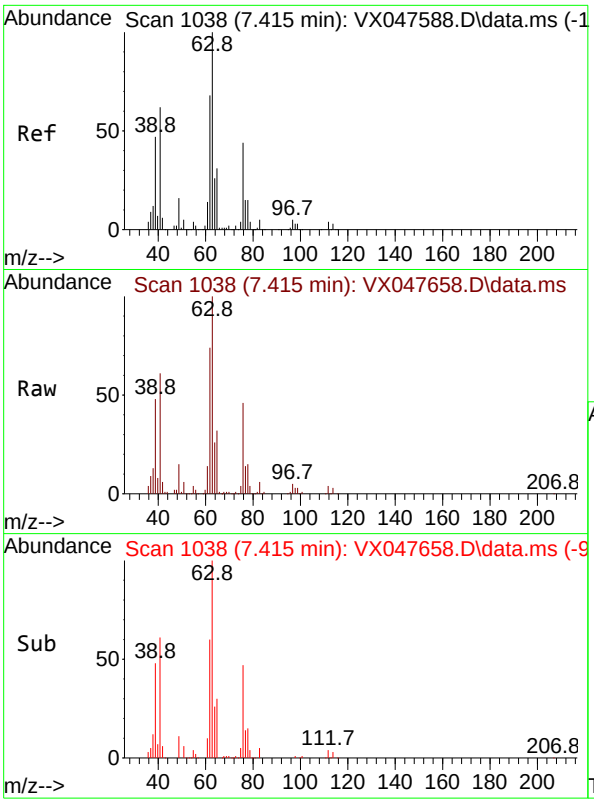


#44
Trichloroethene
Concen: 55.163 ug/l
RT: 7.111 min Scan# 988
Delta R.T. 0.000 min
Lab File: VX047658.D
Acq: 18 Sep 2025 21:16

Tgt Ion:130 Resp: 119740

Ion	Ratio	Lower	Upper
130	100		
95	100.8	0.0	210.8



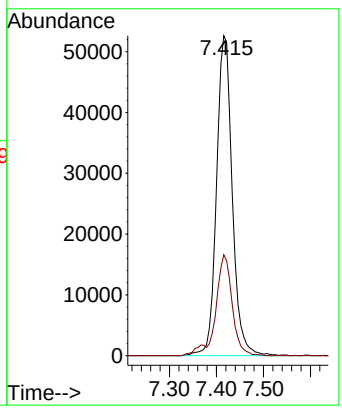


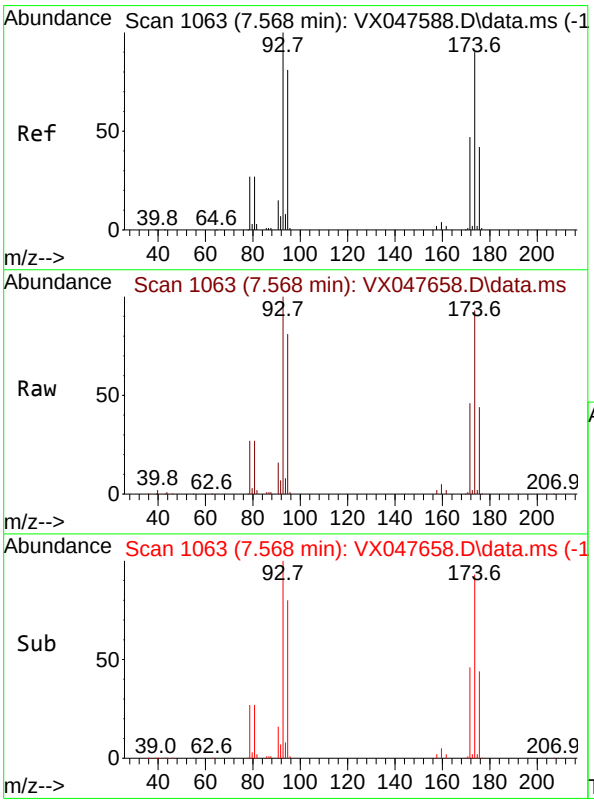
#45
1,2-Dichloropropane
Concen: 53.375 ug/l
RT: 7.415 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047658.D
Acq: 18 Sep 2025 21:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 63 Resp: 122712

Ion	Ratio	Lower	Upper
63	100		
65	31.5	24.7	37.1

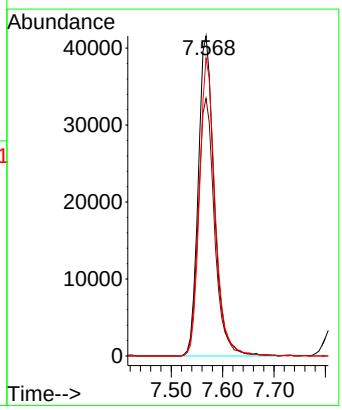


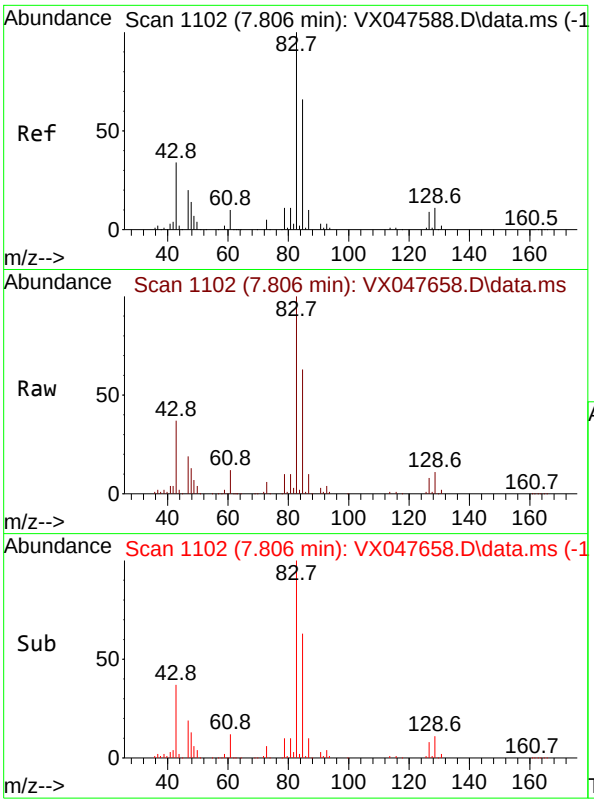


#46
Dibromomethane
Concen: 53.783 ug/l
RT: 7.568 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VX047658.D
Acq: 18 Sep 2025 21:16

Tgt Ion: 93 Resp: 89980

Ion	Ratio	Lower	Upper
93	100		
95	82.0	65.0	97.6
174	91.6	71.6	107.4



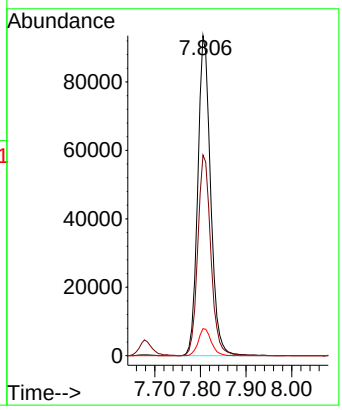


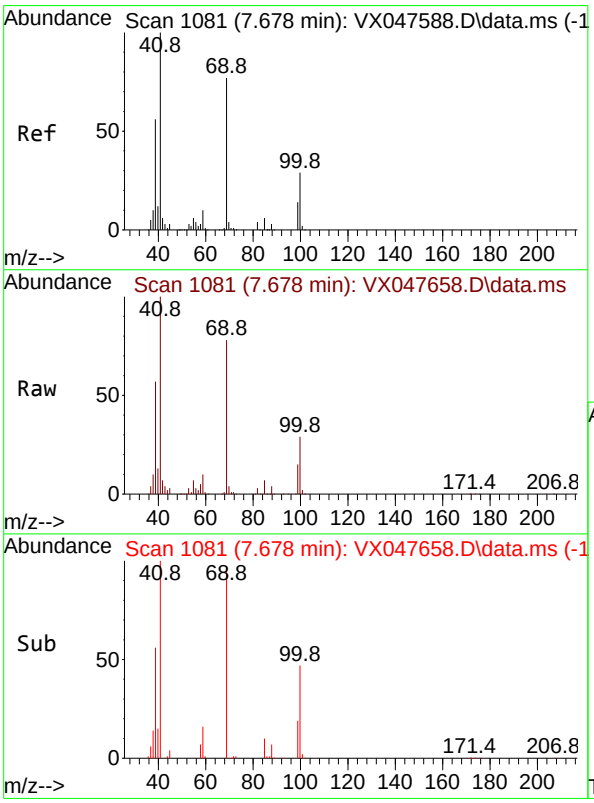
#47
Bromodichloromethane
Concen: 52.634 ug/l
RT: 7.806 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX047658.D
Acq: 18 Sep 2025 21:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 181713

Ion	Ratio	Lower	Upper
83	100		
85	62.7	52.5	78.7
127	8.5	6.9	10.3

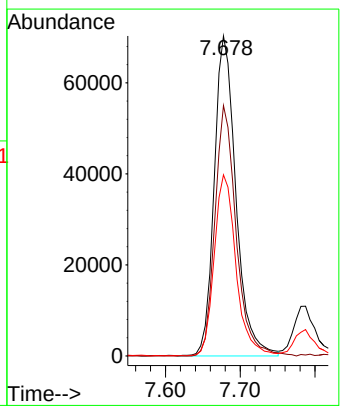


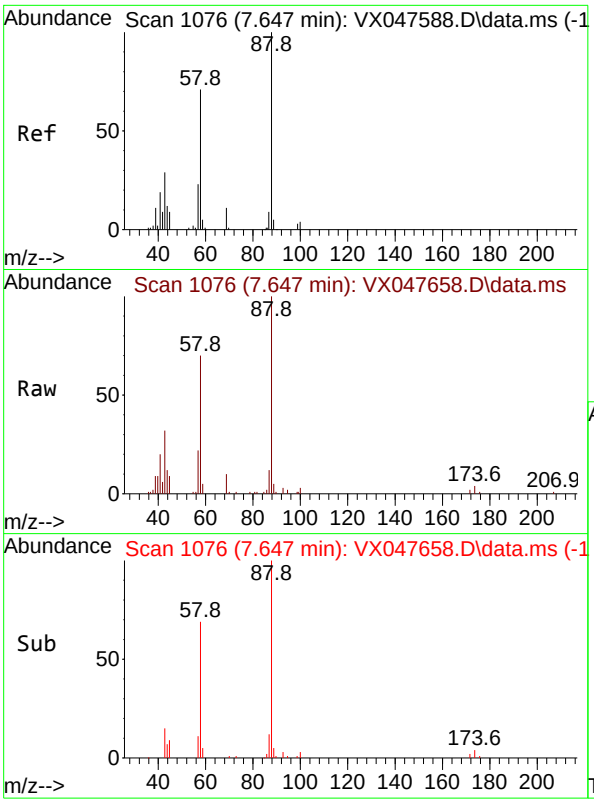


#48
Methyl methacrylate
Concen: 55.128 ug/l
RT: 7.678 min Scan# 1081
Delta R.T. 0.000 min
Lab File: VX047658.D
Acq: 18 Sep 2025 21:16

Tgt Ion: 41 Resp: 142545

Ion	Ratio	Lower	Upper
41	100		
69	76.3	61.4	92.2
39	56.5	45.8	68.6



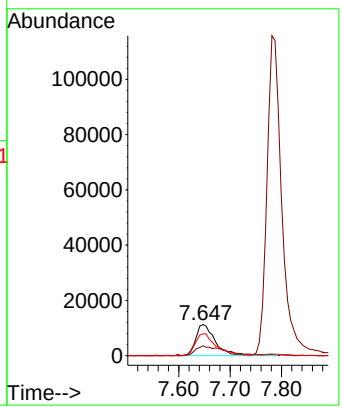


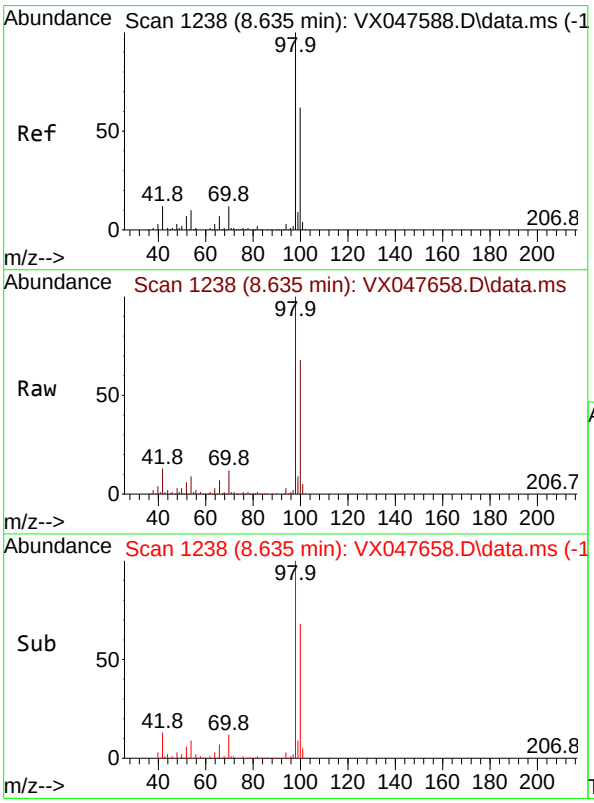
#49
1,4-Dioxane
Concen: 1180.454 ug/l
RT: 7.647 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047658.D
Acq: 18 Sep 2025 21:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 88 Resp: 30847

Ion	Ratio	Lower	Upper
88	100		
43	36.5	30.2	45.2
58	73.8	59.5	89.3

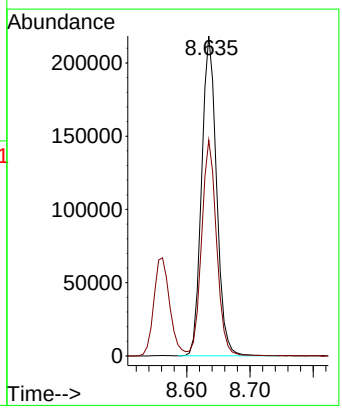


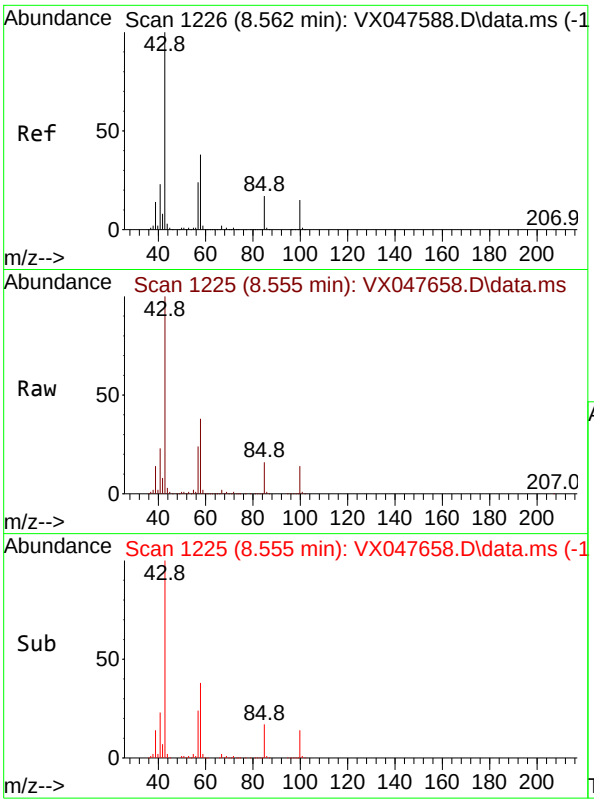


#50
Toluene-d8
Concen: 51.229 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. 0.000 min
Lab File: VX047658.D
Acq: 18 Sep 2025 21:16

Tgt Ion: 98 Resp: 358607

Ion	Ratio	Lower	Upper
98	100		
100	67.9	53.0	79.4



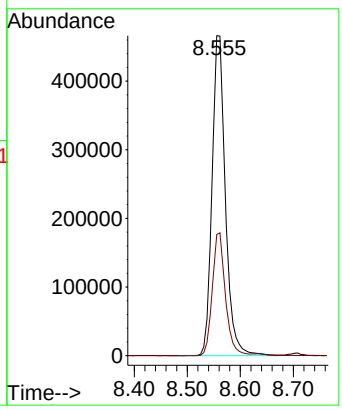


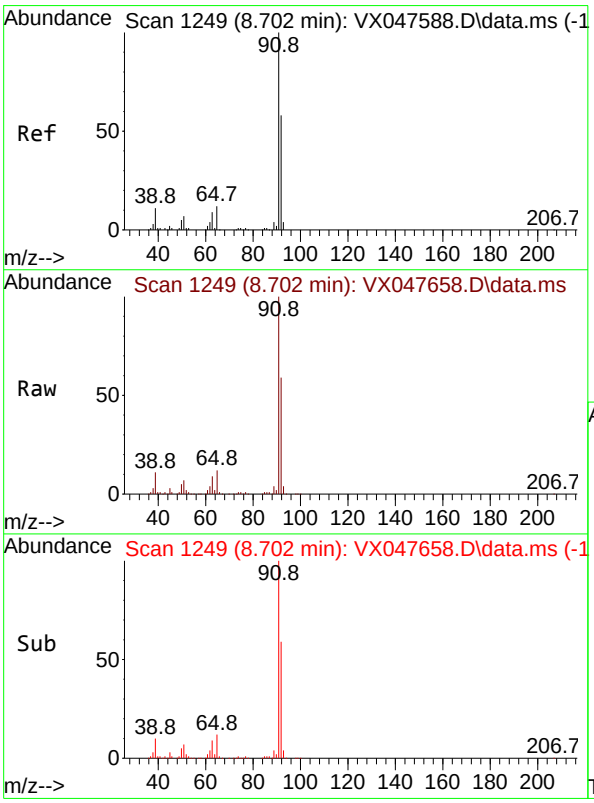
#51
4-Methyl-2-Pentanone
Concen: 284.360 ug/l
RT: 8.555 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047658.D
Acq: 18 Sep 2025 21:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 818431

Ion	Ratio	Lower	Upper
43	100		
58	37.7	30.3	45.5

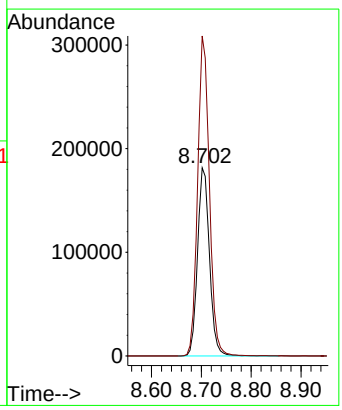


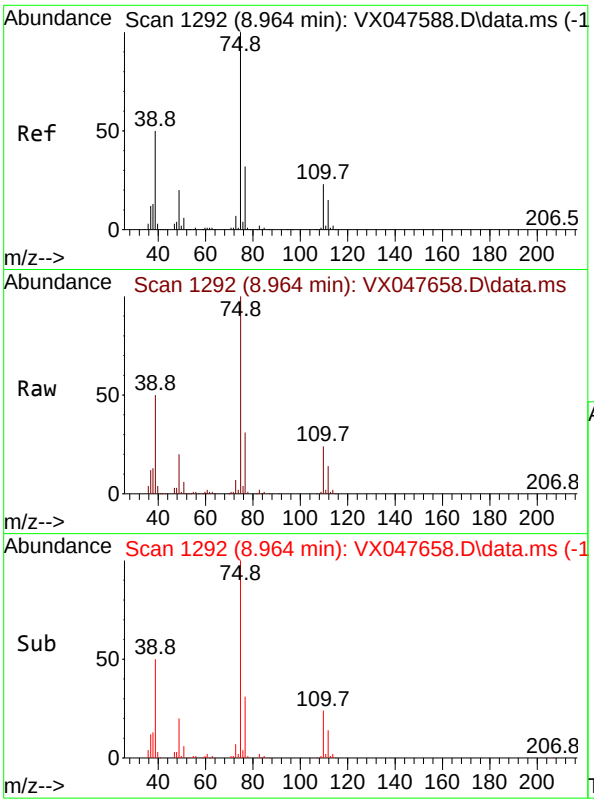


#52
Toluene
Concen: 54.337 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. 0.000 min
Lab File: VX047658.D
Acq: 18 Sep 2025 21:16

Tgt Ion: 92 Resp: 300572

Ion	Ratio	Lower	Upper
92	100		
91	167.6	137.1	205.7



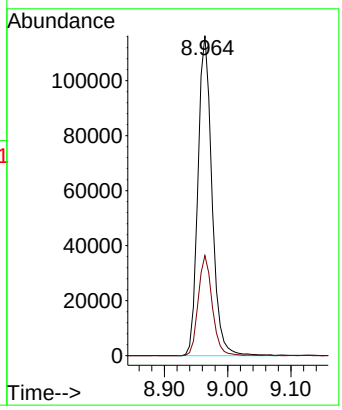


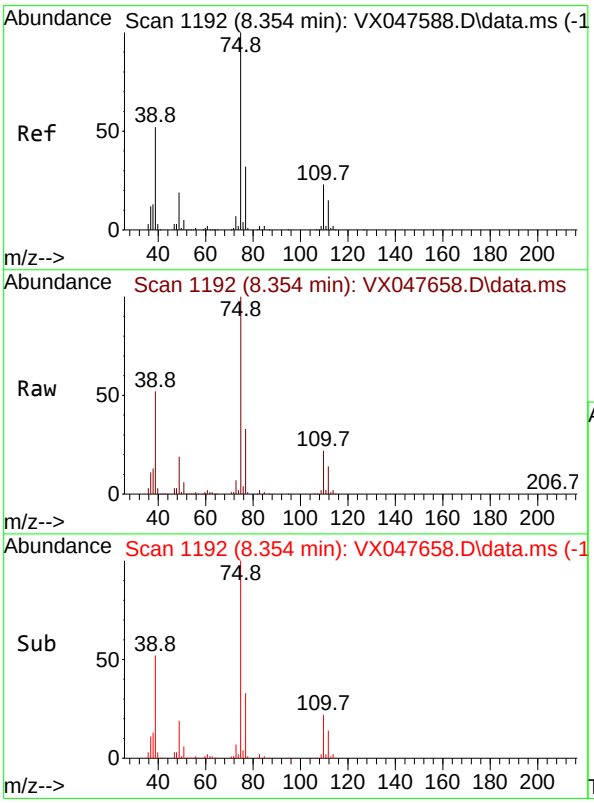
#53
t-1,3-Dichloropropene
Concen: 51.080 ug/l
RT: 8.964 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047658.D
Acq: 18 Sep 2025 21:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 179877

Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.4	38.2

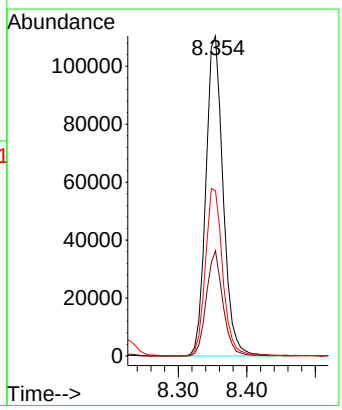


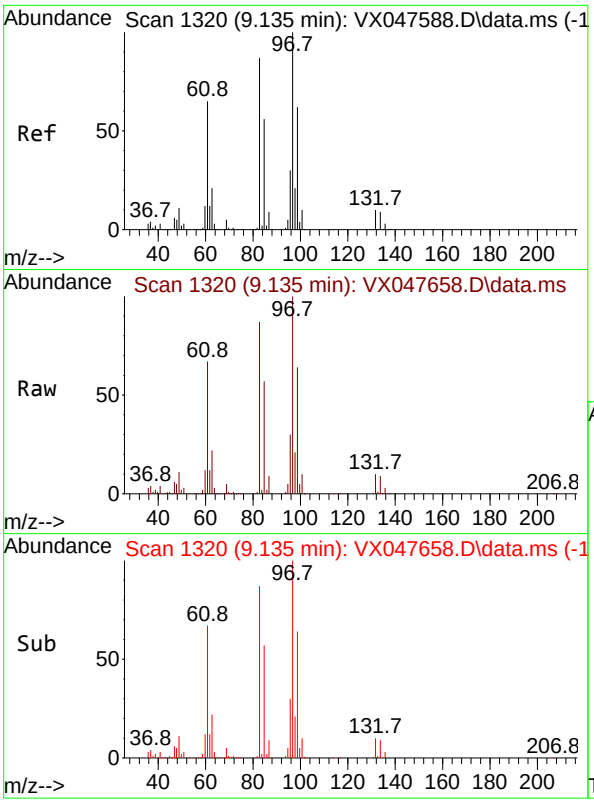


#54
cis-1,3-Dichloropropene
Concen: 51.329 ug/l
RT: 8.354 min Scan# 1192
Delta R.T. 0.000 min
Lab File: VX047658.D
Acq: 18 Sep 2025 21:16

Tgt Ion: 75 Resp: 193198

Ion	Ratio	Lower	Upper
75	100		
77	32.8	25.8	38.6
39	51.5	41.4	62.2



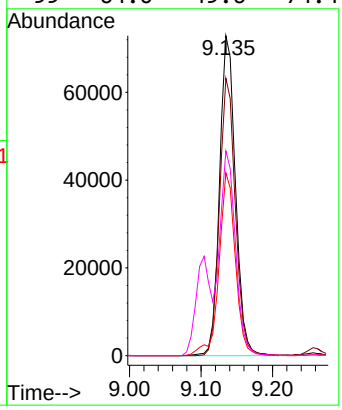


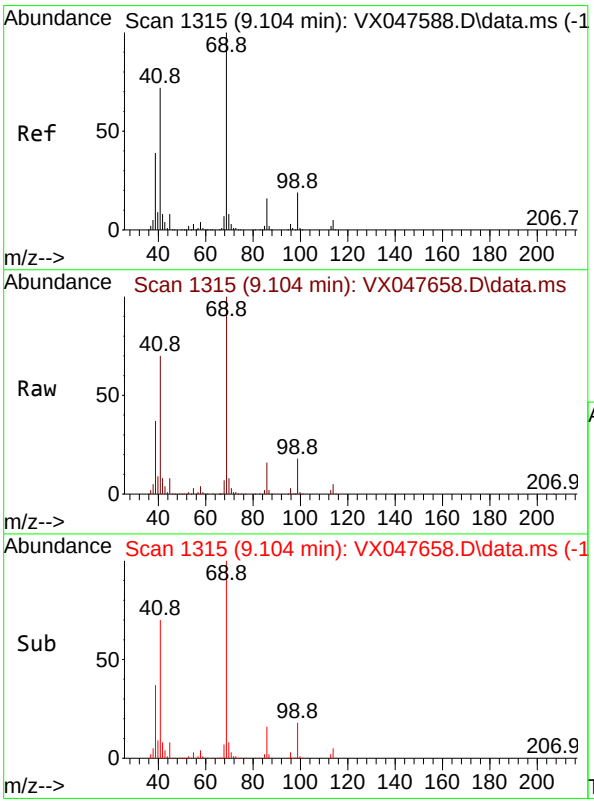
#55
1,1,2-Trichloroethane
Concen: 52.863 ug/l
RT: 9.135 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047658.D
Acq: 18 Sep 2025 21:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 97 Resp: 112754

Ion	Ratio	Lower	Upper
97	100		
83	86.7	69.6	104.4
85	57.2	45.0	67.6
99	64.0	49.6	74.4

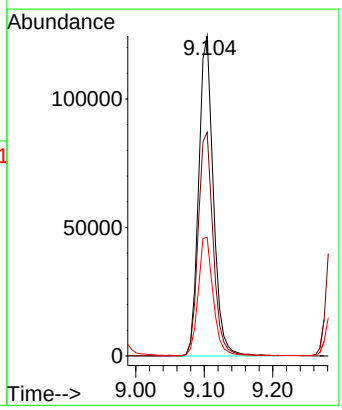


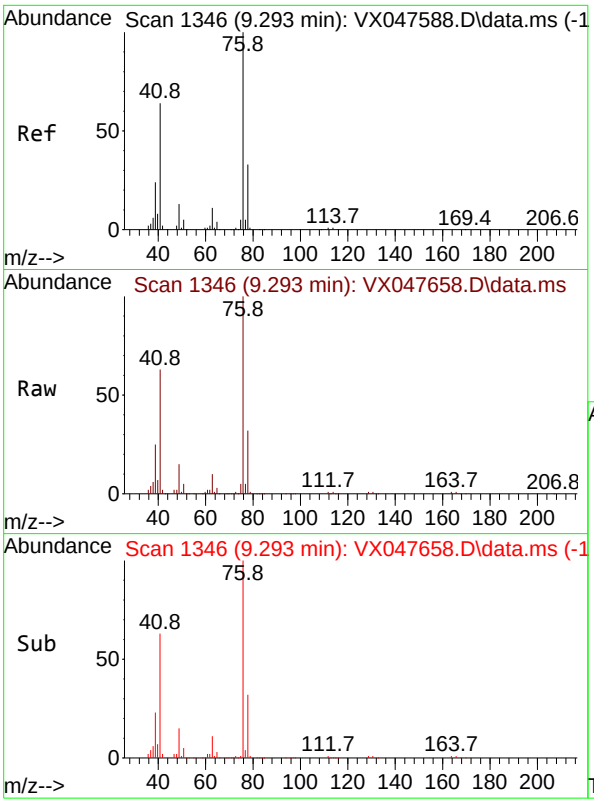


#56
Ethyl methacrylate
Concen: 55.412 ug/l
RT: 9.104 min Scan# 1315
Delta R.T. 0.000 min
Lab File: VX047658.D
Acq: 18 Sep 2025 21:16

Tgt Ion: 69 Resp: 185618

Ion	Ratio	Lower	Upper
69	100		
41	72.2	58.6	87.8
39	38.1	31.5	47.3



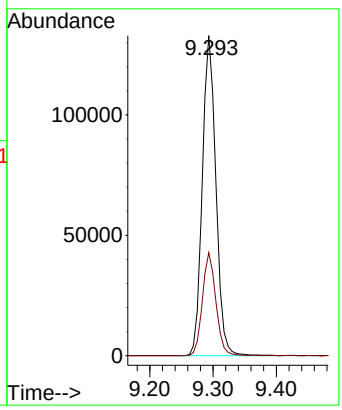


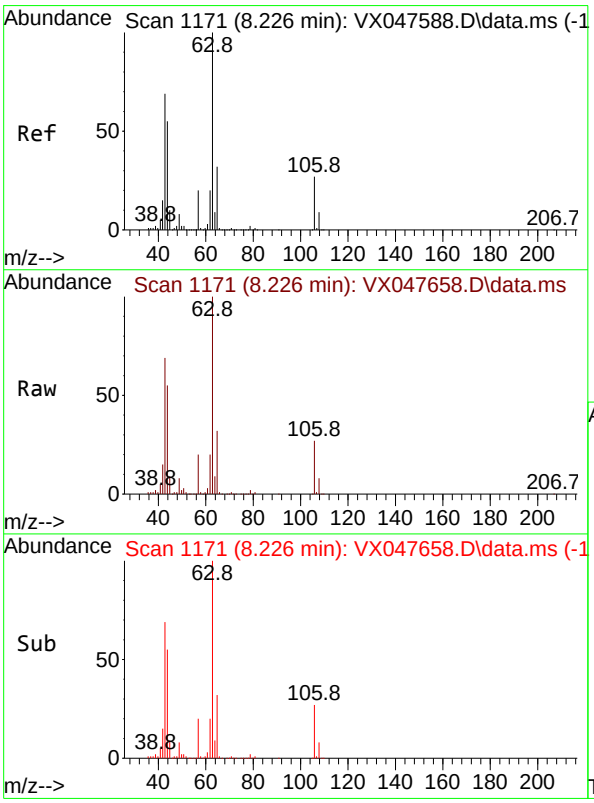
#57
1,3-Dichloropropane
Concen: 54.276 ug/l
RT: 9.293 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047658.D
Acq: 18 Sep 2025 21:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 76 Resp: 198871

Ion	Ratio	Lower	Upper
76	100		
78	31.9	26.2	39.4

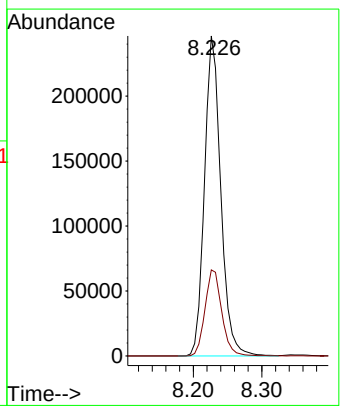


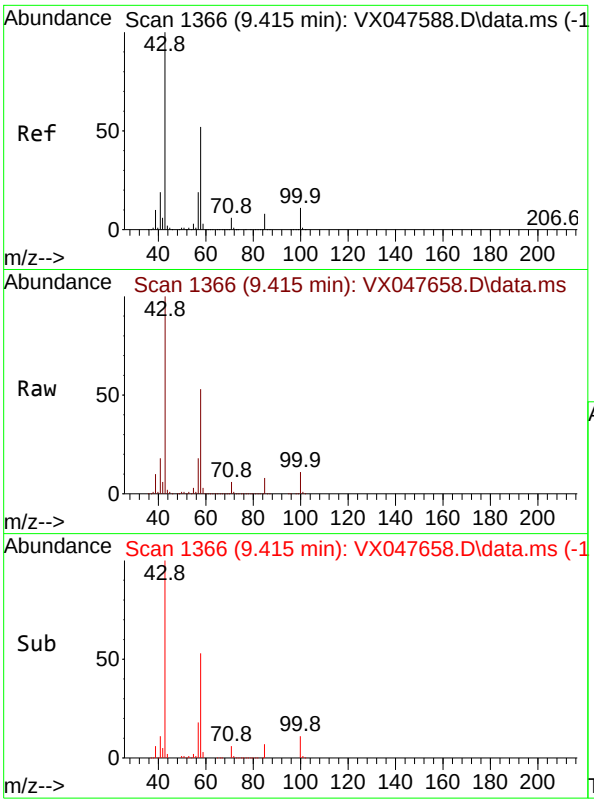


#58
2-Chloroethyl Vinyl ether
Concen: 254.746 ug/l
RT: 8.226 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VX047658.D
Acq: 18 Sep 2025 21:16

Tgt Ion: 63 Resp: 408214

Ion	Ratio	Lower	Upper
63	100		
106	27.7	21.9	32.9



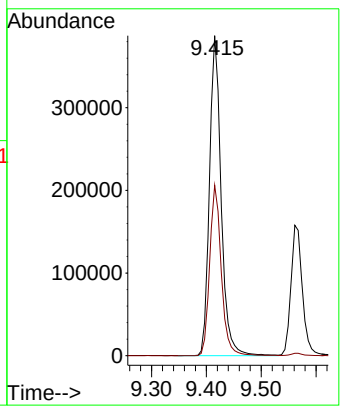


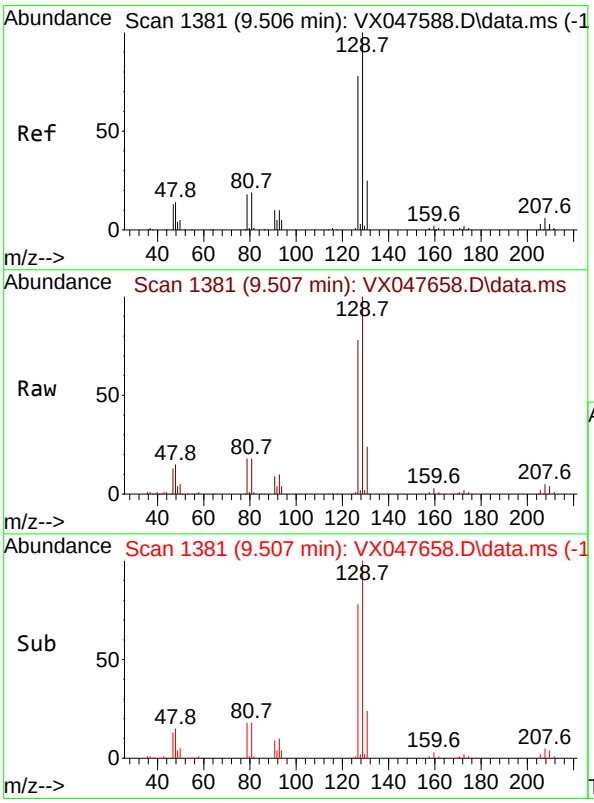
#59
2-Hexanone
Concen: 275.500 ug/l
RT: 9.415 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047658.D
Acq: 18 Sep 2025 21:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 569485

Ion	Ratio	Lower	Upper
43	100		
58	53.0	26.1	78.2

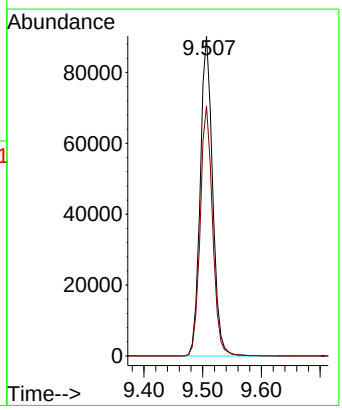


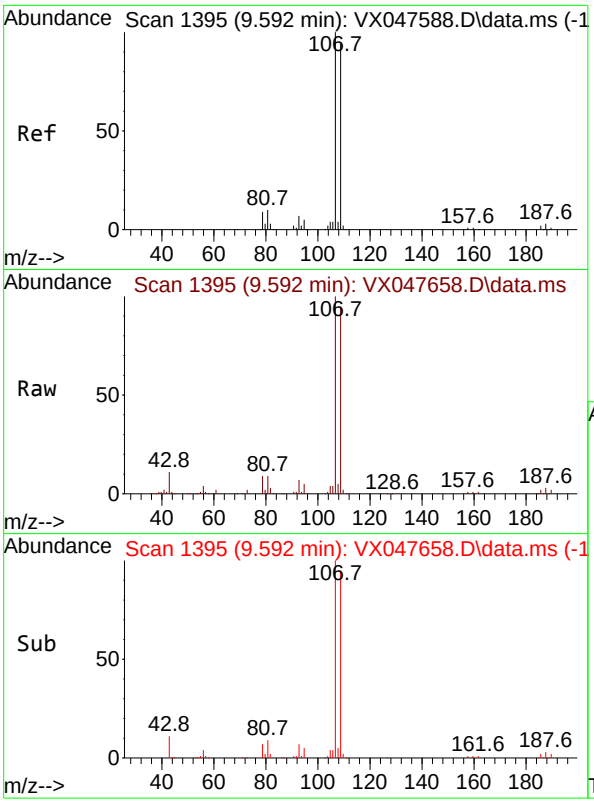


#60
Dibromochloromethane
Concen: 53.772 ug/l
RT: 9.507 min Scan# 1381
Delta R.T. 0.000 min
Lab File: VX047658.D
Acq: 18 Sep 2025 21:16

Tgt Ion:129 Resp: 132153

Ion	Ratio	Lower	Upper
129	100		
127	78.1	38.4	115.2



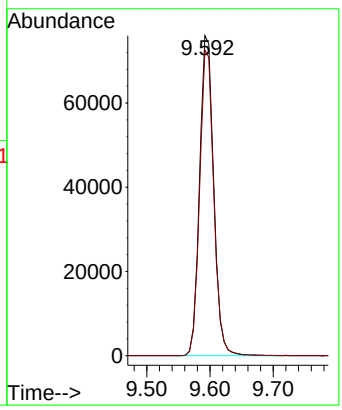


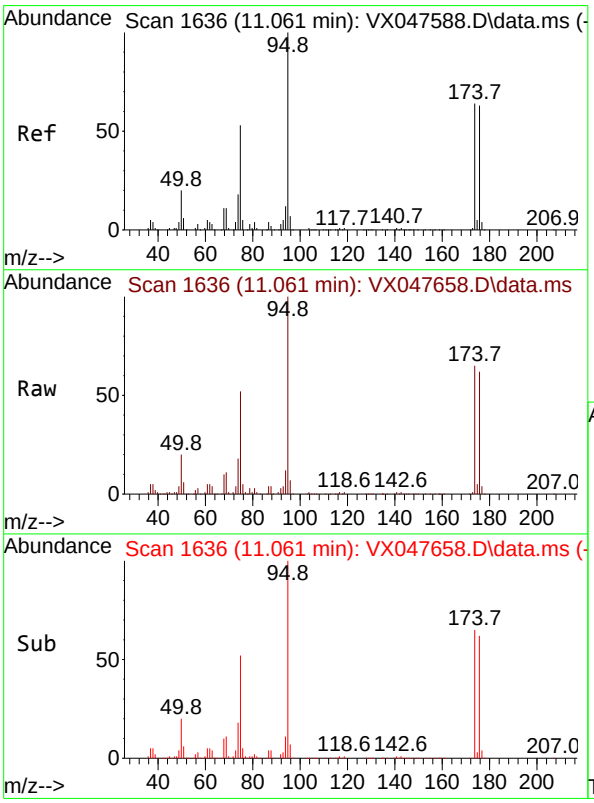
#61
1,2-Dibromoethane
Concen: 54.411 ug/l
RT: 9.592 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047658.D
Acq: 18 Sep 2025 21:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:107 Resp: 118209

Ion	Ratio	Lower	Upper
107	100		
109	95.3	75.3	112.9

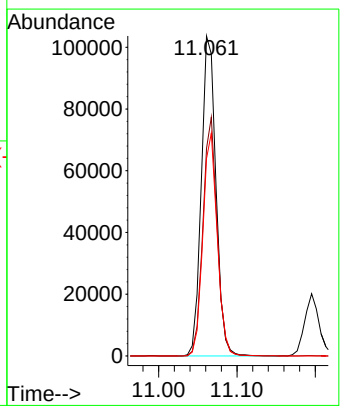


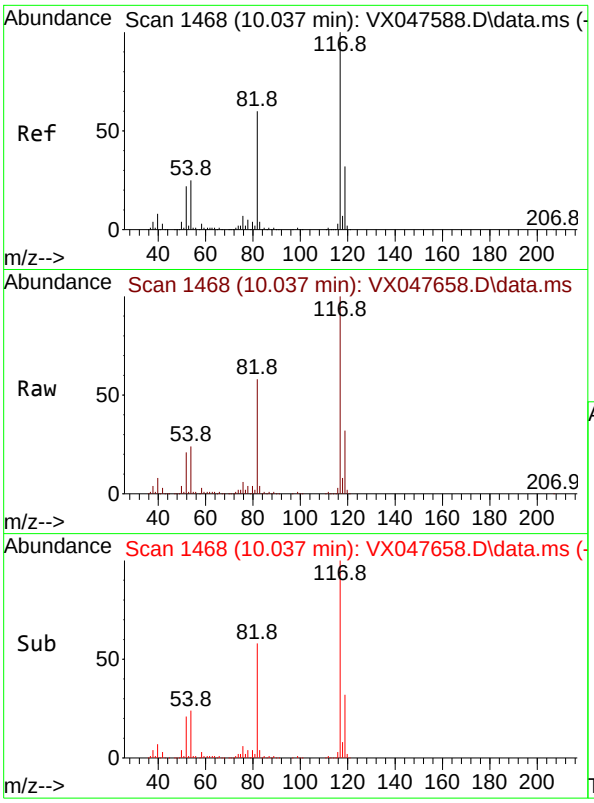


#62
4-Bromofluorobenzene
Concen: 50.604 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. 0.000 min
Lab File: VX047658.D
Acq: 18 Sep 2025 21:16

Tgt Ion: 95 Resp: 134436

Ion	Ratio	Lower	Upper
95	100		
174	72.1	0.0	141.6
176	68.3	0.0	138.4



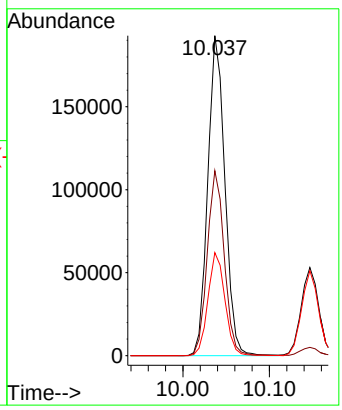


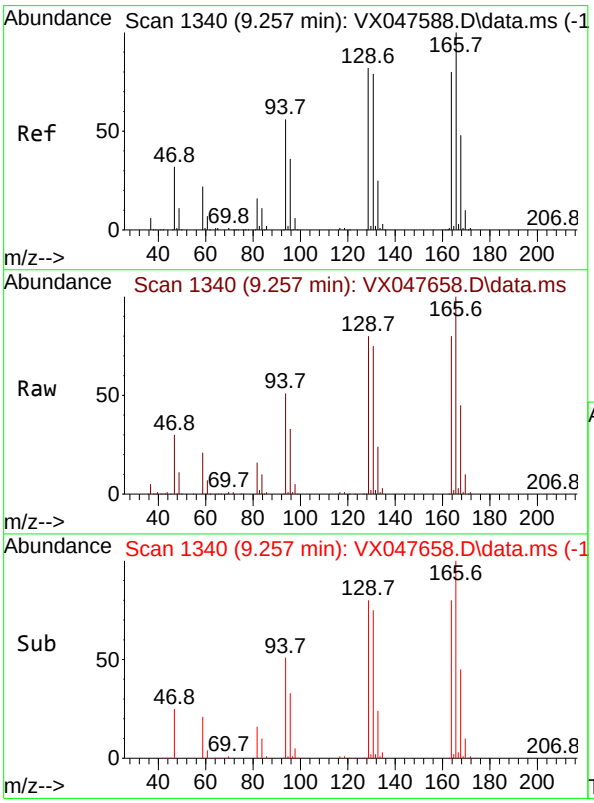
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047658.D
Acq: 18 Sep 2025 21:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:117 Resp: 264153

Ion	Ratio	Lower	Upper
117	100		
82	57.8	47.8	71.6
119	32.2	25.2	37.8

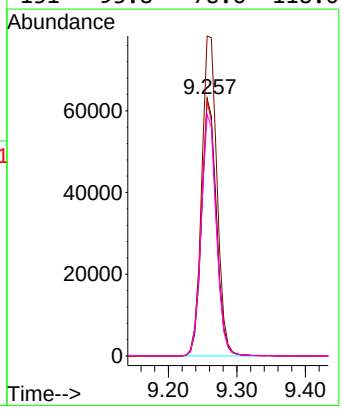


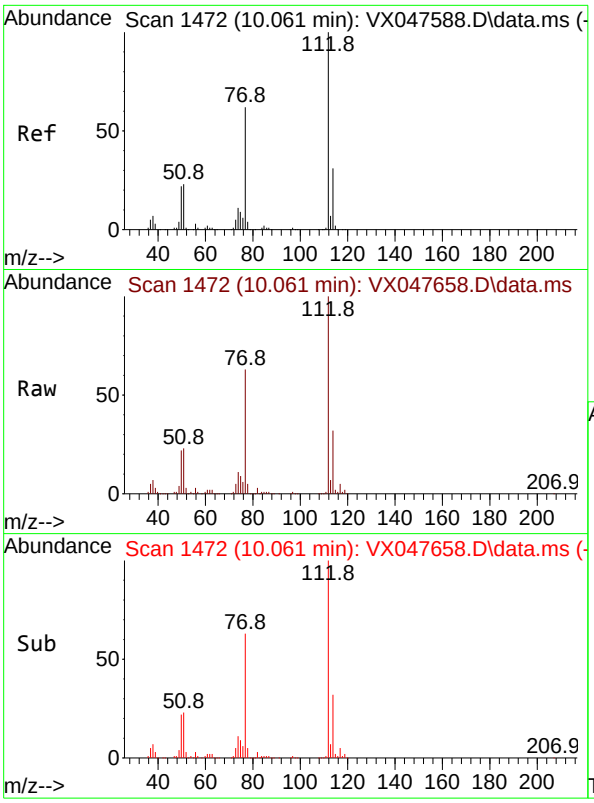


#64
Tetrachloroethene
Concen: 54.988 ug/l
RT: 9.257 min Scan# 1340
Delta R.T. 0.000 min
Lab File: VX047658.D
Acq: 18 Sep 2025 21:16

Tgt Ion:164 Resp: 94690

Ion	Ratio	Lower	Upper
164	100		
166	124.3	100.2	150.2
129	99.2	81.8	122.6
131	93.8	78.6	118.0



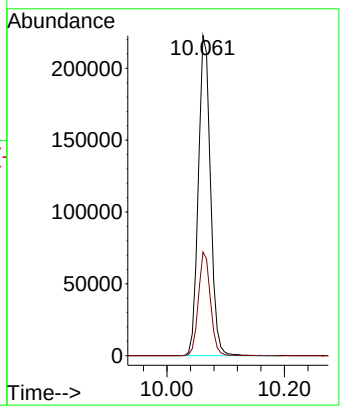


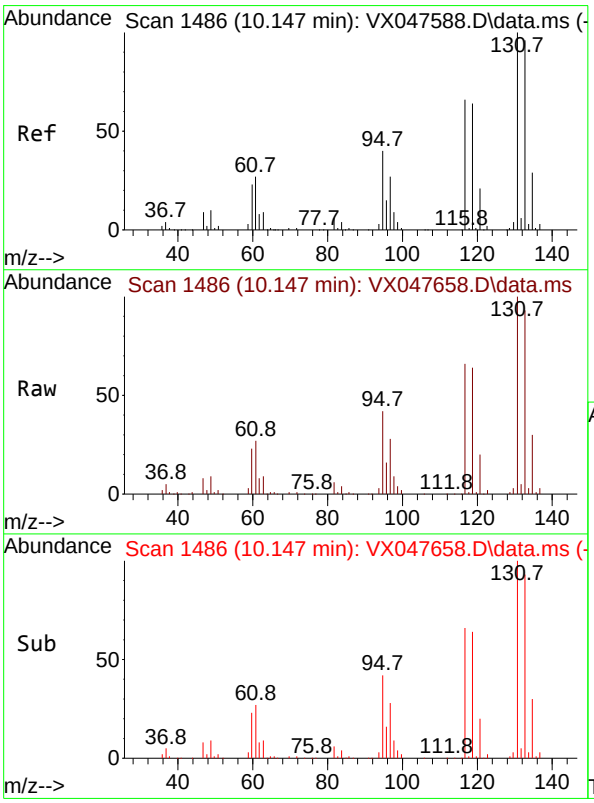
#65
Chlorobenzene
Concen: 53.275 ug/l
RT: 10.061 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047658.D
Acq: 18 Sep 2025 21:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:112 Resp: 319704

Ion	Ratio	Lower	Upper
112	100		
114	32.4	25.1	37.7

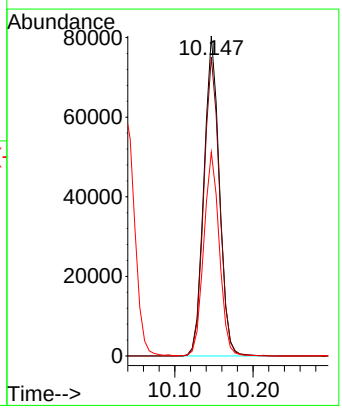


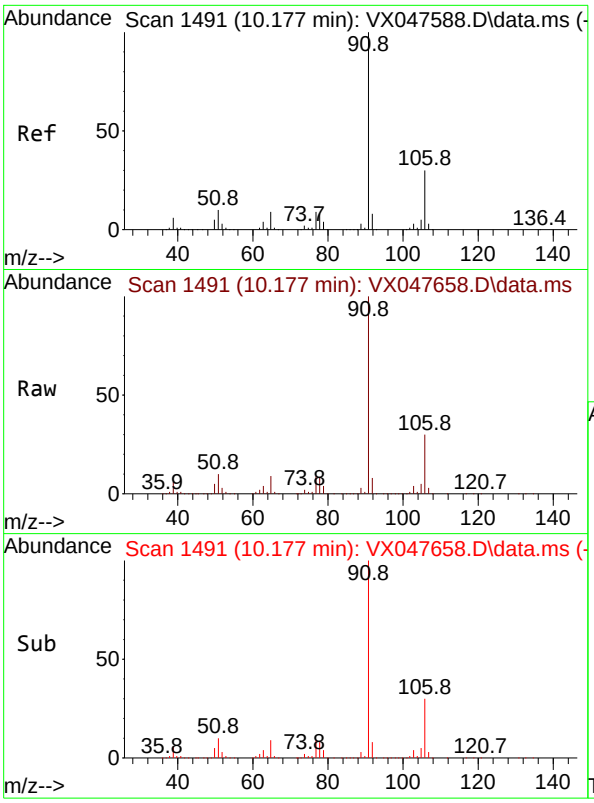


#66
1,1,1,2-Tetrachloroethane
Concen: 52.994 ug/l
RT: 10.147 min Scan# 1486
Delta R.T. 0.000 min
Lab File: VX047658.D
Acq: 18 Sep 2025 21:16

Tgt Ion:131 Resp: 109740

Ion	Ratio	Lower	Upper
131	100		
133	95.2	47.3	142.0
119	64.0	32.0	96.0



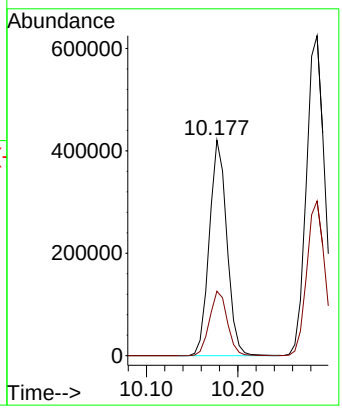


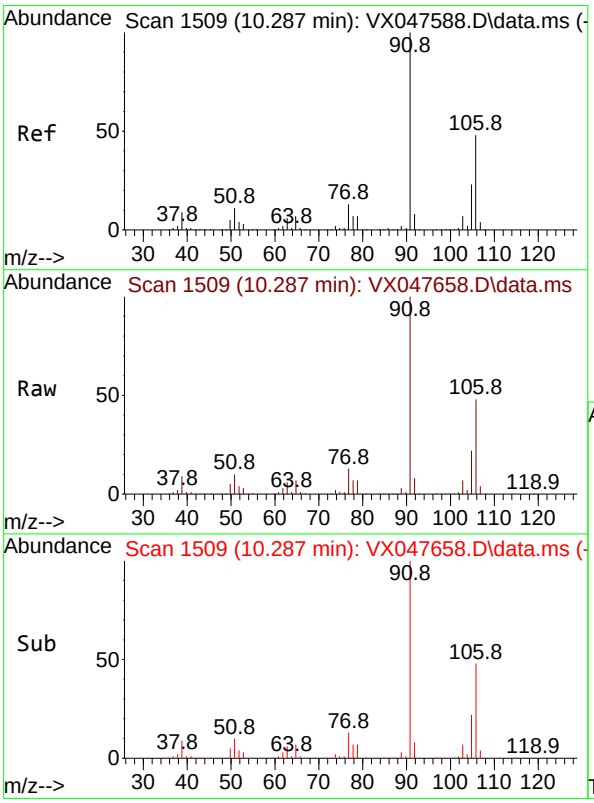
#67
Ethyl Benzene
Concen: 54.125 ug/l
RT: 10.177 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047658.D
Acq: 18 Sep 2025 21:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 560432

Ion	Ratio	Lower	Upper
91	100		
106	29.9	24.3	36.5

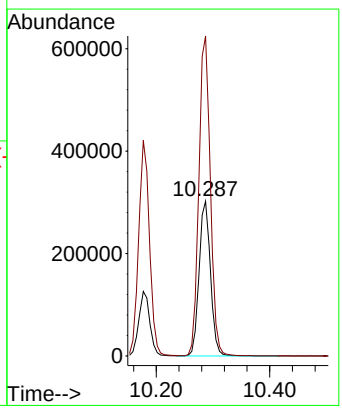


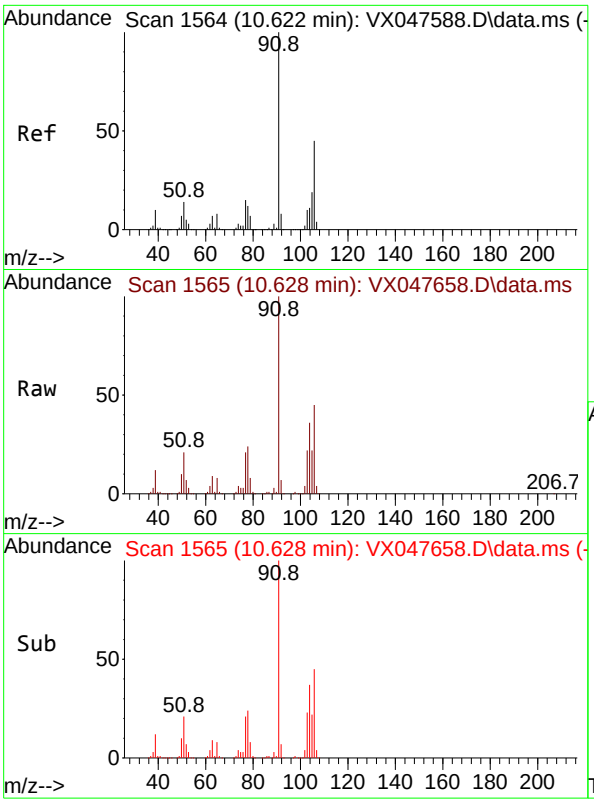


#68
m/p-Xylenes
Concen: 109.153 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. 0.000 min
Lab File: VX047658.D
Acq: 18 Sep 2025 21:16

Tgt Ion:106 Resp: 420673

Ion	Ratio	Lower	Upper
106	100		
91	209.2	167.8	251.8



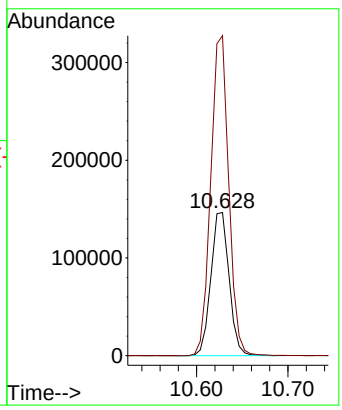


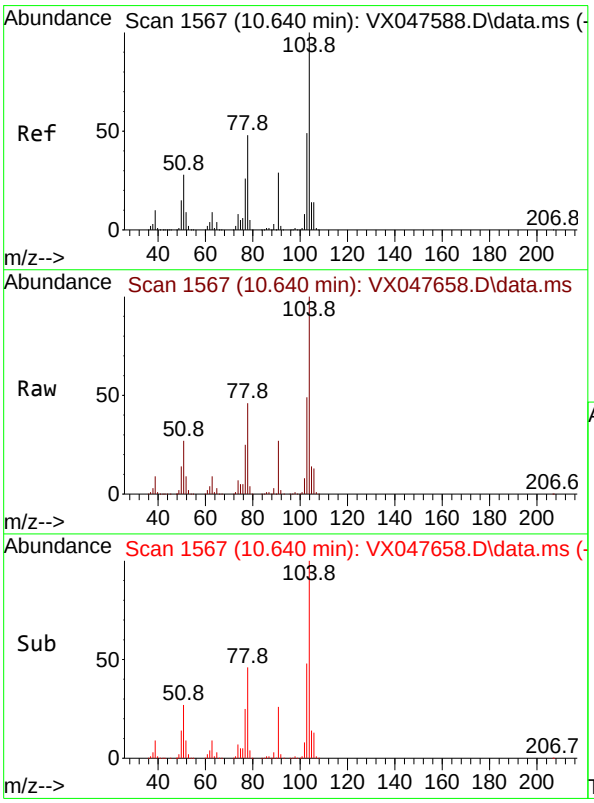
#69
o-Xylene
Concen: 54.394 ug/l
RT: 10.628 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047658.D
Acq: 18 Sep 2025 21:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:106 Resp: 202765

Ion	Ratio	Lower	Upper
106	100		
91	220.4	111.1	333.4

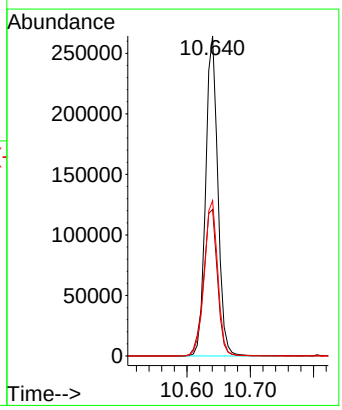


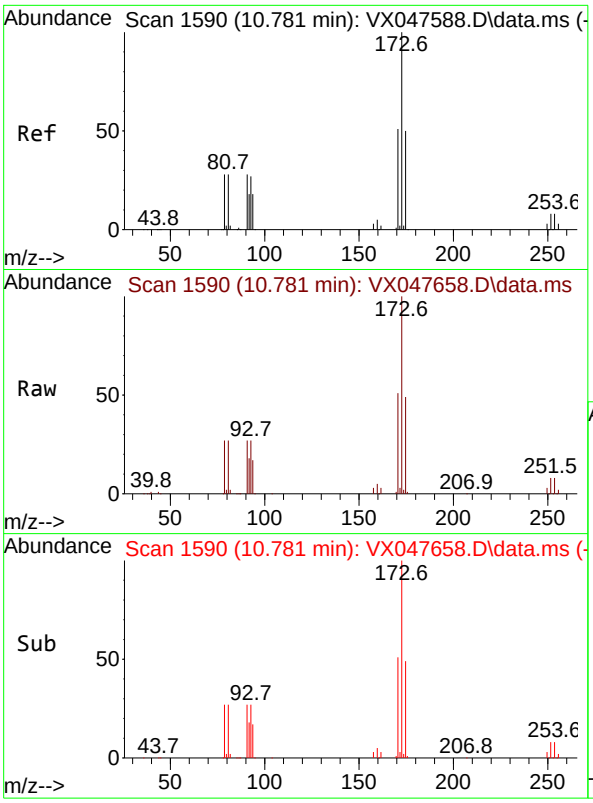


#70
Styrene
Concen: 54.330 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX047658.D
Acq: 18 Sep 2025 21:16

Tgt Ion:104 Resp: 354867

Ion	Ratio	Lower	Upper
104	100		
78	52.0	43.1	64.7
103	53.6	43.1	64.7



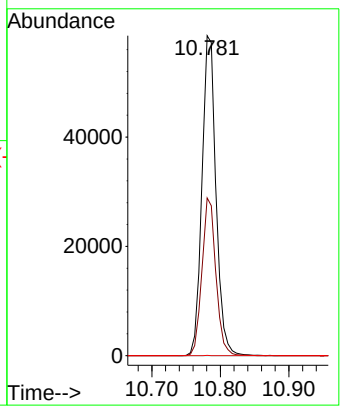


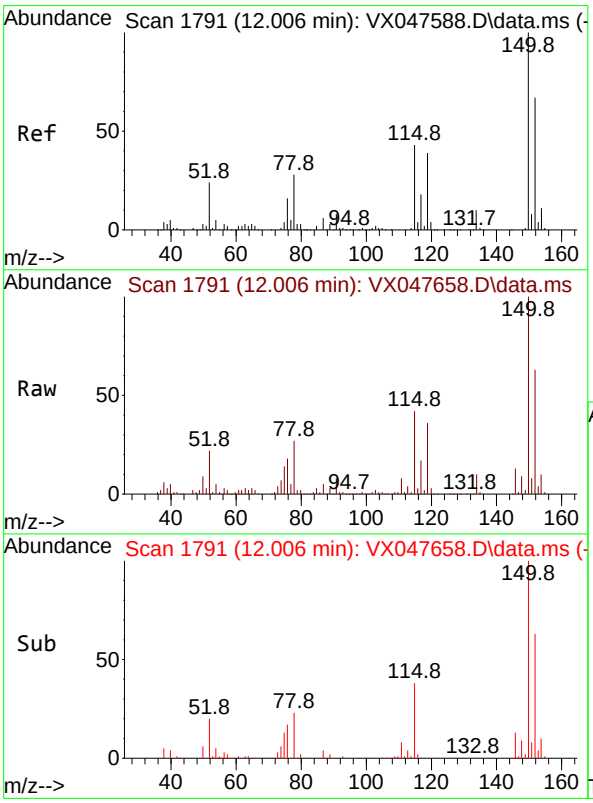
#71
Bromoform
Concen: 54.082 ug/l
RT: 10.781 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047658.D
Acq: 18 Sep 2025 21:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:173 Resp: 83625

Ion	Ratio	Lower	Upper
173	100		
175	49.0	24.9	74.6
254	0.0	0.1	0.1#

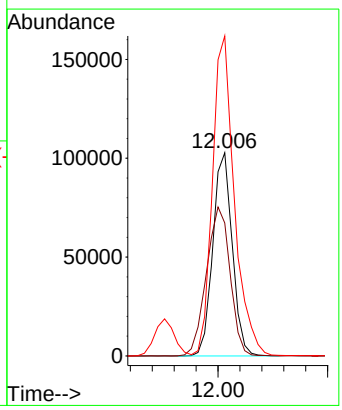


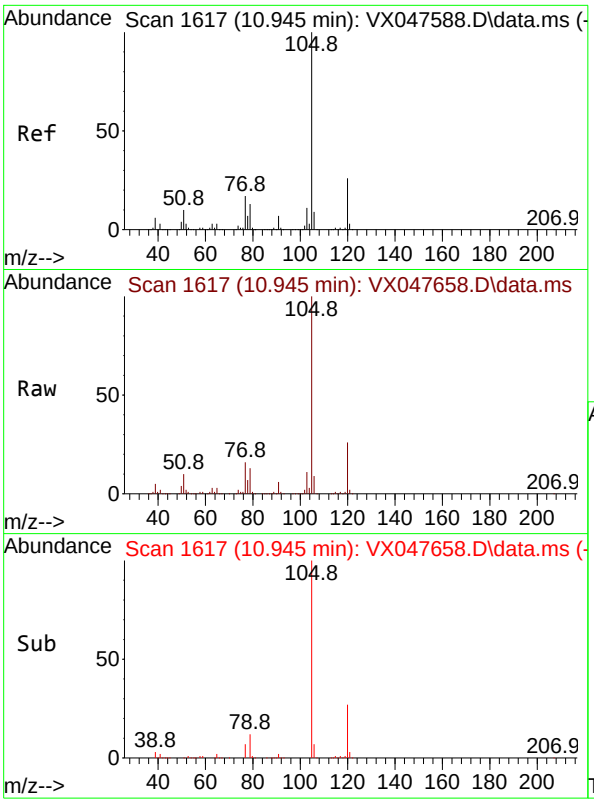


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX047658.D
Acq: 18 Sep 2025 21:16

Tgt Ion:152 Resp: 126517

Ion	Ratio	Lower	Upper
152	100		
115	89.4	44.9	134.5
150	177.9	0.0	352.0



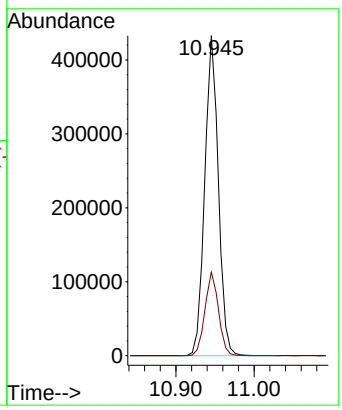


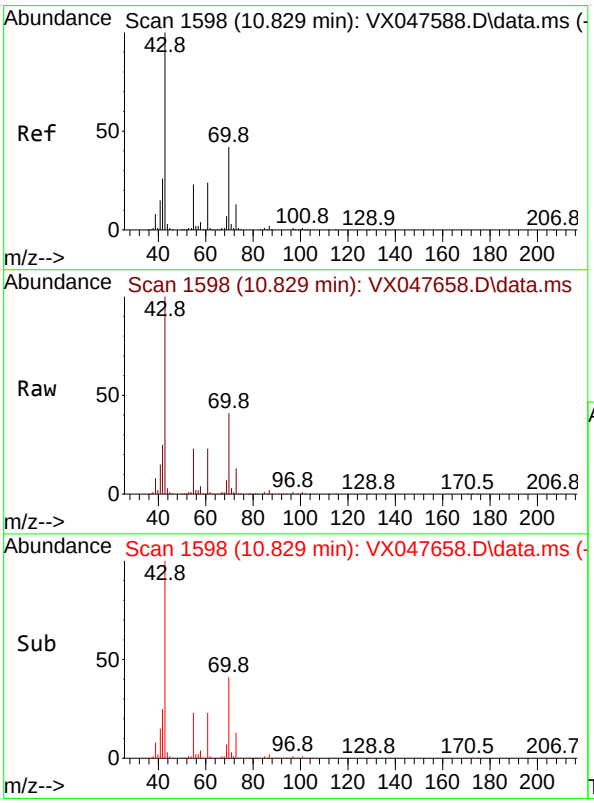
#73
Isopropylbenzene
Concen: 54.023 ug/l
RT: 10.945 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047658.D
Acq: 18 Sep 2025 21:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:105 Resp: 519628

Ion	Ratio	Lower	Upper
105	100		
120	26.0	12.8	38.4

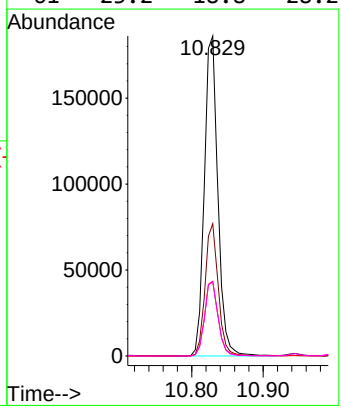


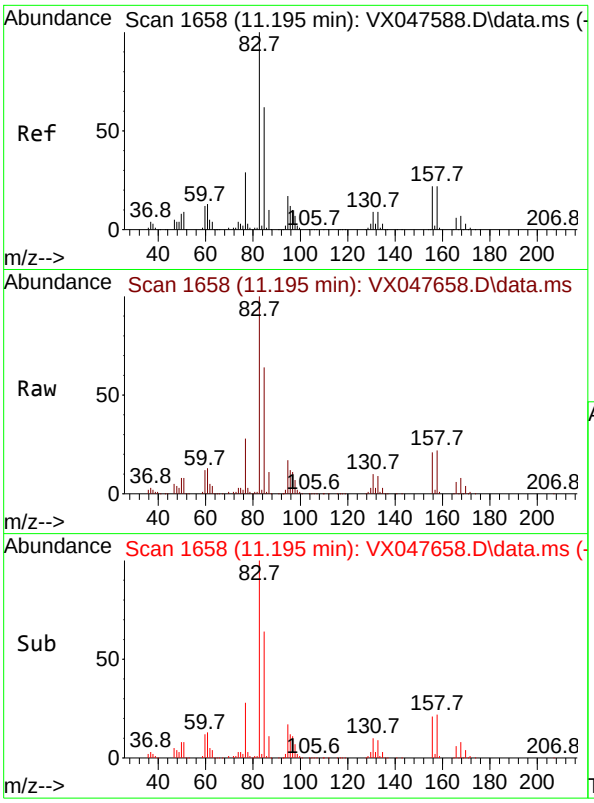


#74
N-amyl acetate
Concen: 55.780 ug/l
RT: 10.829 min Scan# 1598
Delta R.T. 0.000 min
Lab File: VX047658.D
Acq: 18 Sep 2025 21:16

Tgt Ion: 43 Resp: 244665

Ion	Ratio	Lower	Upper
43	100		
70	40.3	32.0	48.0
55	23.7	18.9	28.3
61	23.2	18.8	28.2



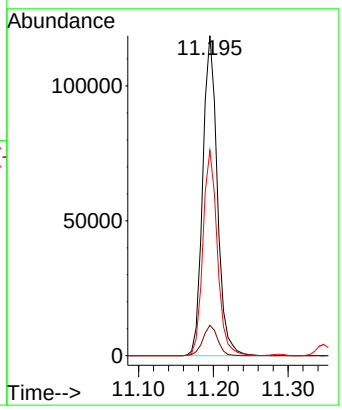


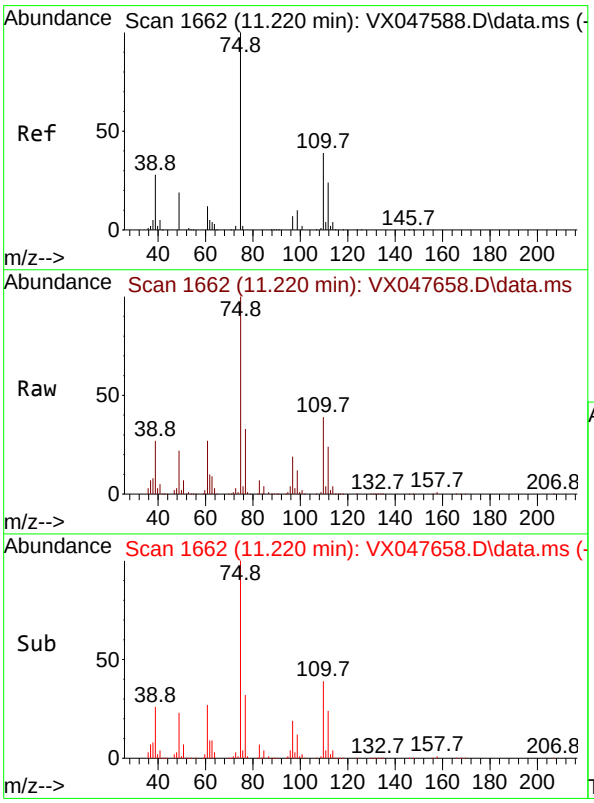
#75
1,1,2,2-Tetrachloroethane
Concen: 55.167 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047658.D
Acq: 18 Sep 2025 21:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 160544

Ion	Ratio	Lower	Upper
83	100		
131	9.7	5.0	14.9
85	63.5	31.6	95.0

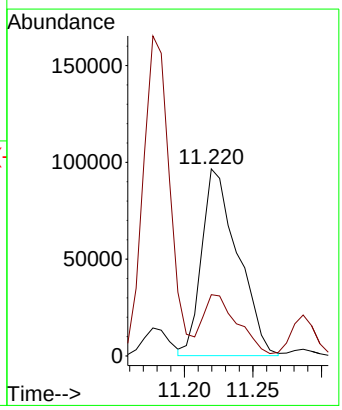


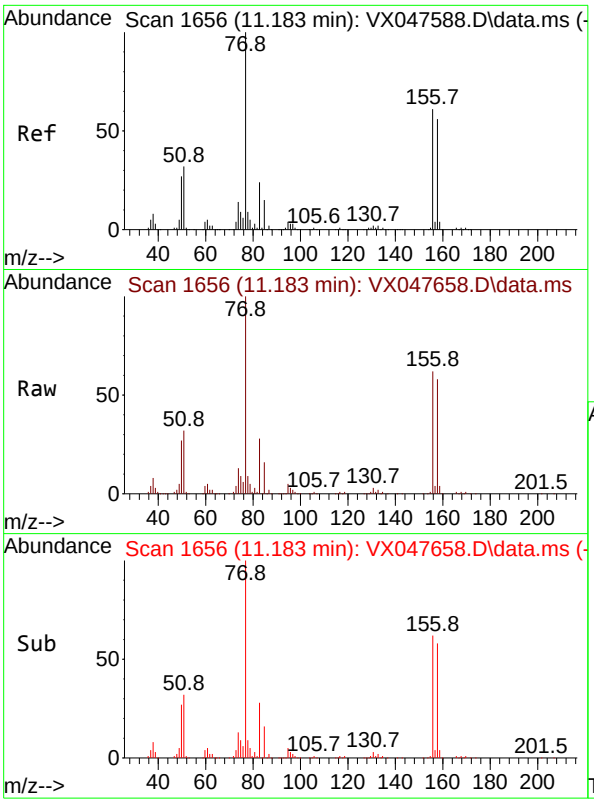


#76
1,2,3-Trichloropropane
Concen: 69.075 ug/l
RT: 11.220 min Scan# 1662
Delta R.T. 0.000 min
Lab File: VX047658.D
Acq: 18 Sep 2025 21:16

Tgt Ion: 75 Resp: 176940

Ion	Ratio	Lower	Upper
75	100		
77	31.1	18.8	56.4



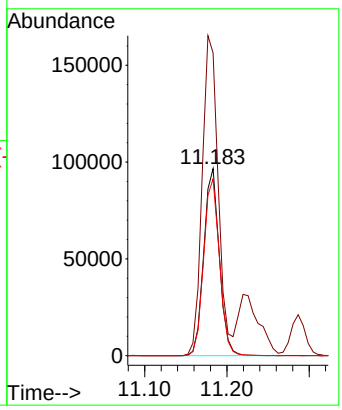


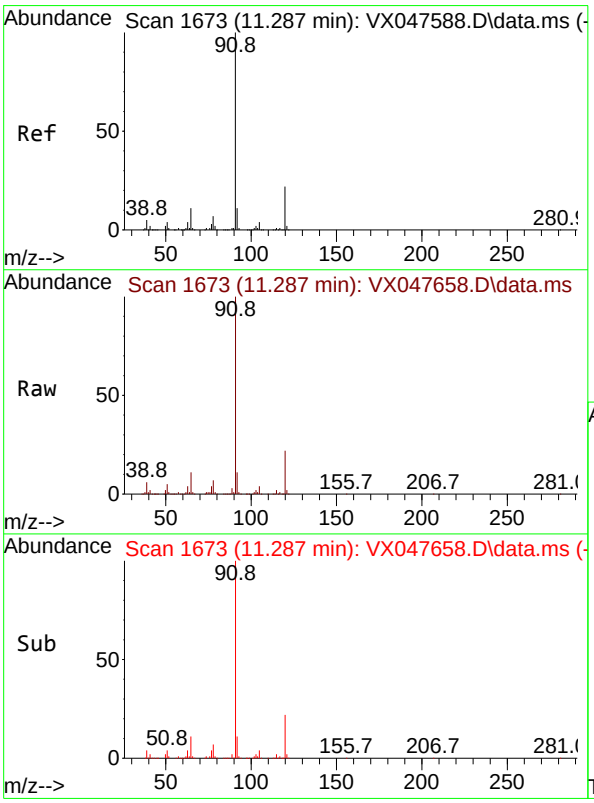
#77
Bromobenzene
Concen: 53.524 ug/l
RT: 11.183 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047658.D
Acq: 18 Sep 2025 21:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:156 Resp: 126798

Ion	Ratio	Lower	Upper
156	100		
77	176.9	89.7	269.1
158	96.2	47.9	143.6

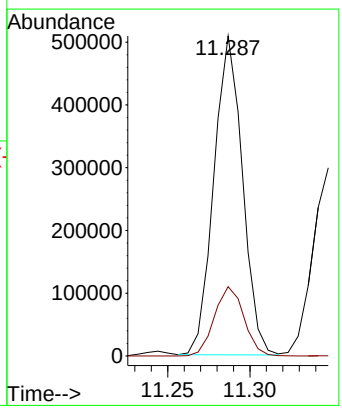


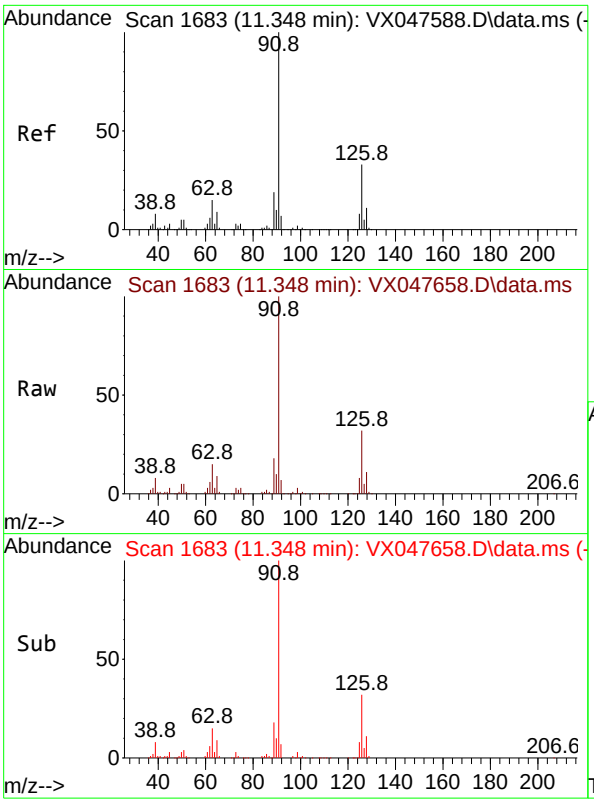


#78
n-propylbenzene
Concen: 54.021 ug/l
RT: 11.287 min Scan# 1673
Delta R.T. 0.000 min
Lab File: VX047658.D
Acq: 18 Sep 2025 21:16

Tgt Ion: 91 Resp: 614237

Ion	Ratio	Lower	Upper
91	100		
120	22.4	11.1	33.1



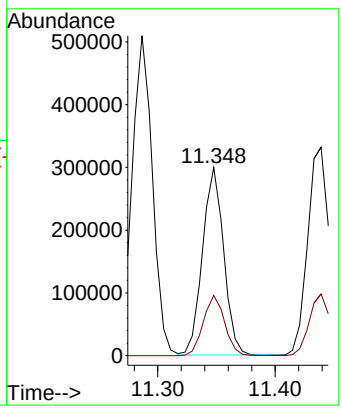


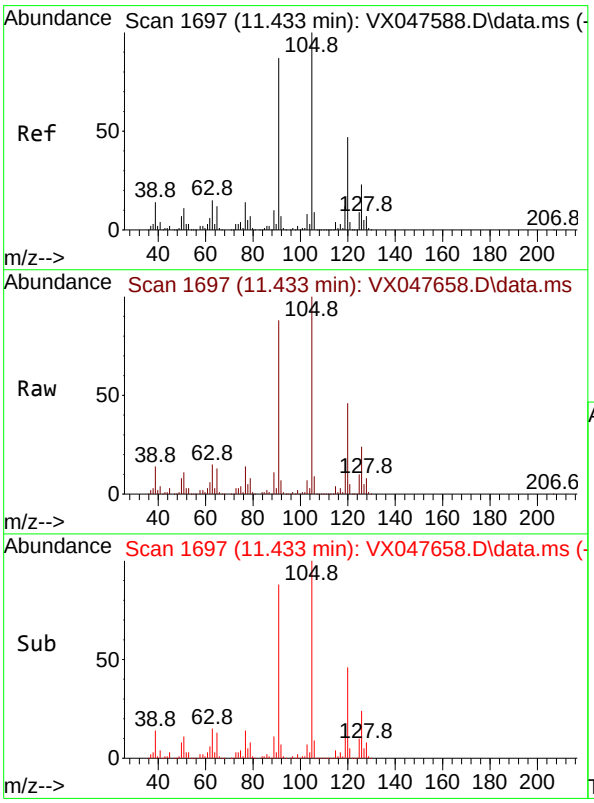
#79
2-Chlorotoluene
Concen: 53.781 ug/l
RT: 11.348 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047658.D
Acq: 18 Sep 2025 21:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 374535

Ion	Ratio	Lower	Upper
91	100		
126	32.5	16.1	48.3

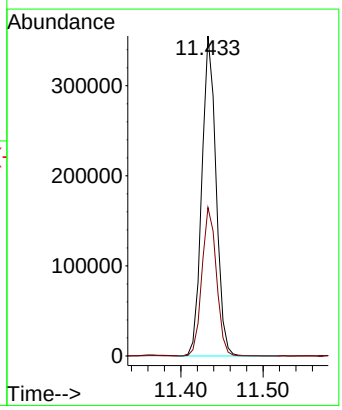


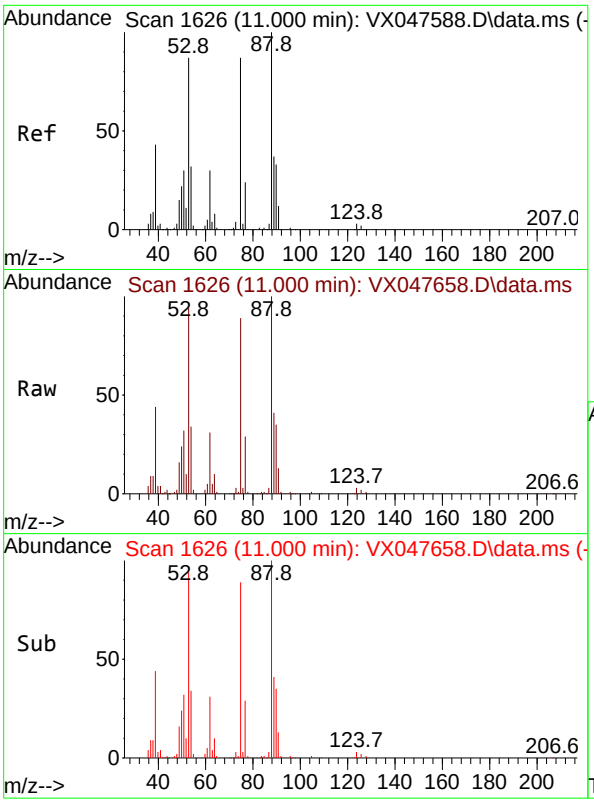


#80
1,3,5-Trimethylbenzene
Concen: 53.798 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. 0.000 min
Lab File: VX047658.D
Acq: 18 Sep 2025 21:16

Tgt Ion:105 Resp: 425139

Ion	Ratio	Lower	Upper
105	100		
120	47.4	23.6	70.8



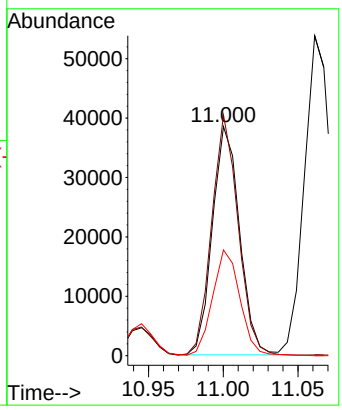


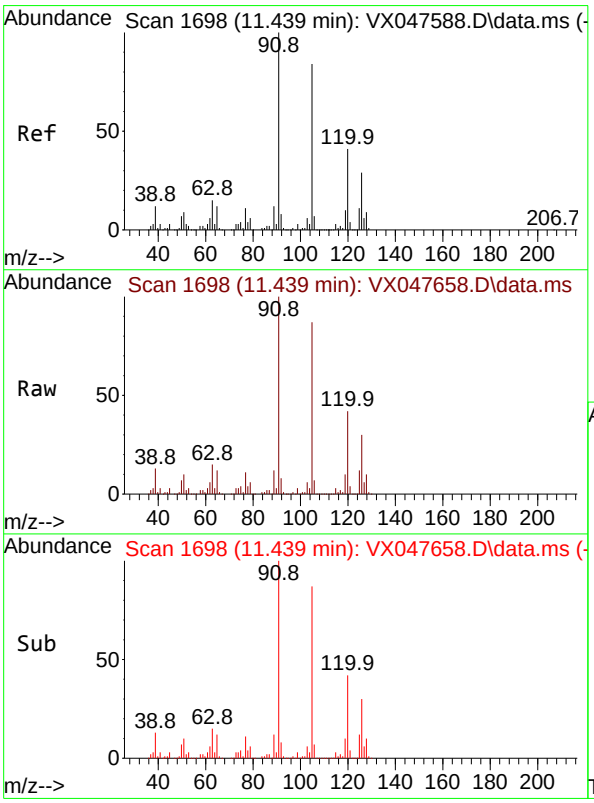
#81
trans-1,4-Dichloro-2-butene
Concen: 48.415 ug/l
RT: 11.000 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047658.D
Acq: 18 Sep 2025 21:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 48632

Ion	Ratio	Lower	Upper
75	100		
53	102.1	83.4	125.2
89	46.7	36.3	54.5

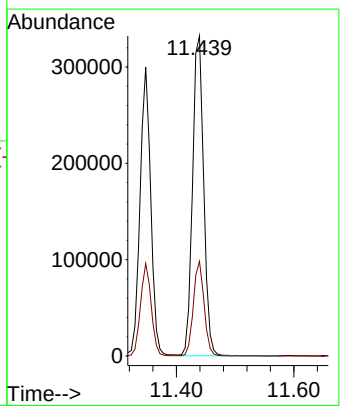


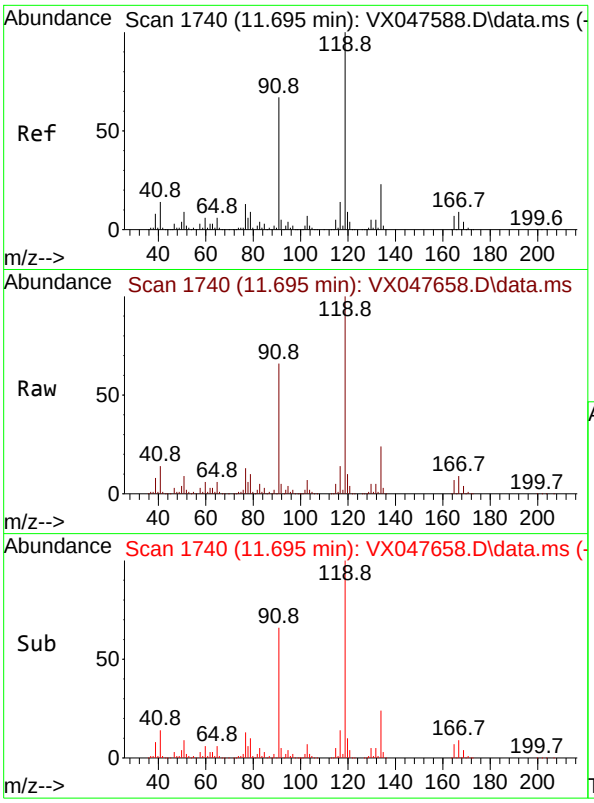


#82
4-Chlorotoluene
Concen: 53.056 ug/l
RT: 11.439 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VX047658.D
Acq: 18 Sep 2025 21:16

Tgt Ion: 91 Resp: 436383

Ion	Ratio	Lower	Upper
91	100		
126	28.5	14.2	42.6



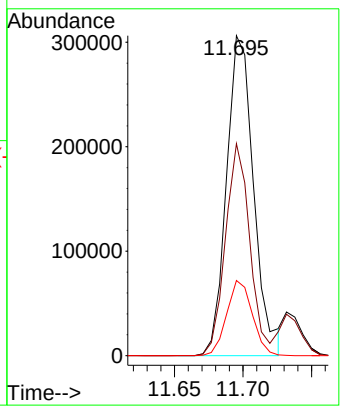


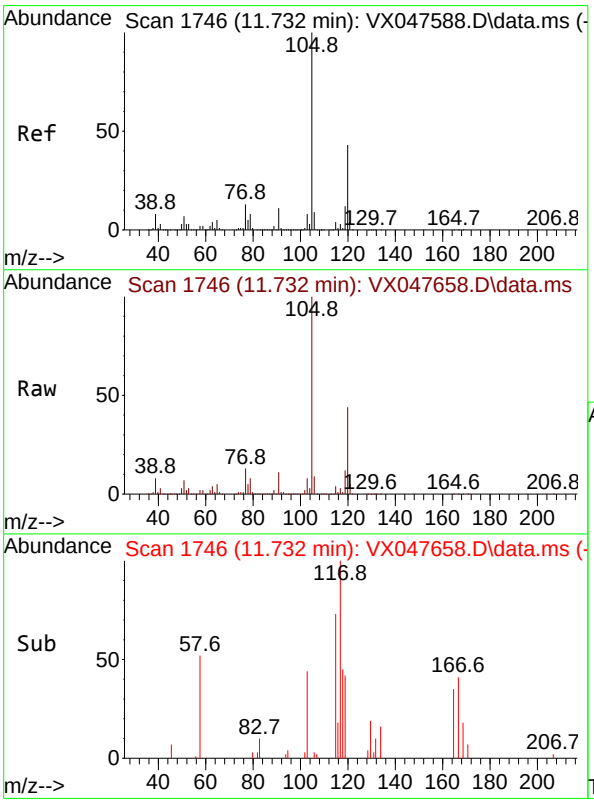
#83
tert-Butylbenzene
Concen: 52.265 ug/l
RT: 11.695 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047658.D
Acq: 18 Sep 2025 21:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:119 Resp: 422806

Ion	Ratio	Lower	Upper
119	100		
91	59.5	29.6	88.8
134	22.2	11.0	33.0

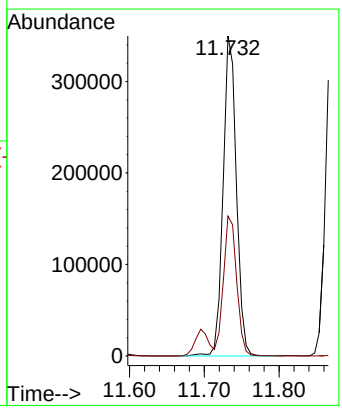


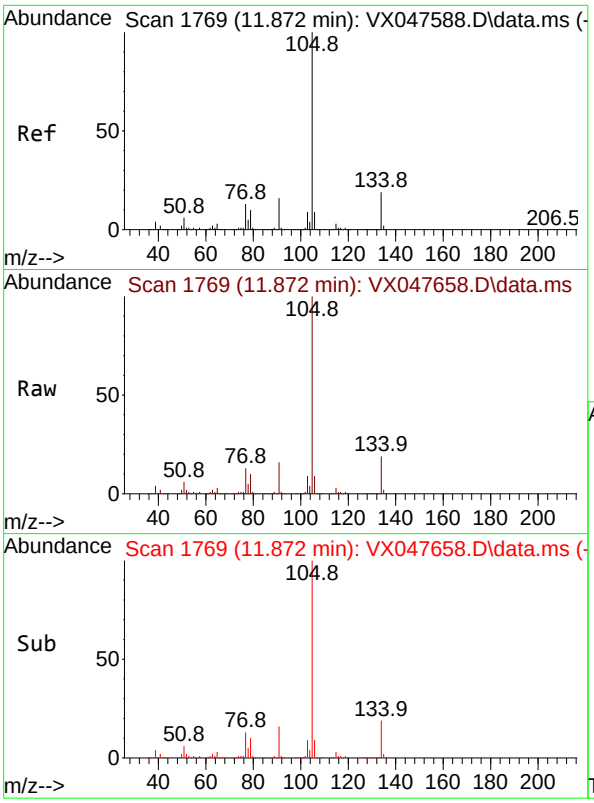


#84
1,2,4-Trimethylbenzene
Concen: 53.907 ug/l
RT: 11.732 min Scan# 1746
Delta R.T. 0.000 min
Lab File: VX047658.D
Acq: 18 Sep 2025 21:16

Tgt Ion:105 Resp: 431900

Ion	Ratio	Lower	Upper
105	100		
120	43.5	22.1	66.1



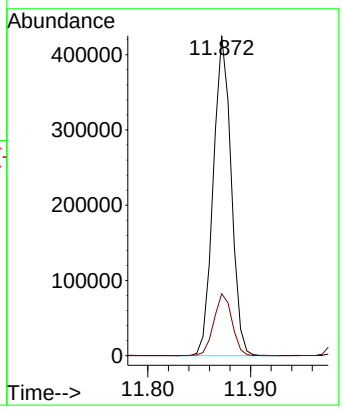


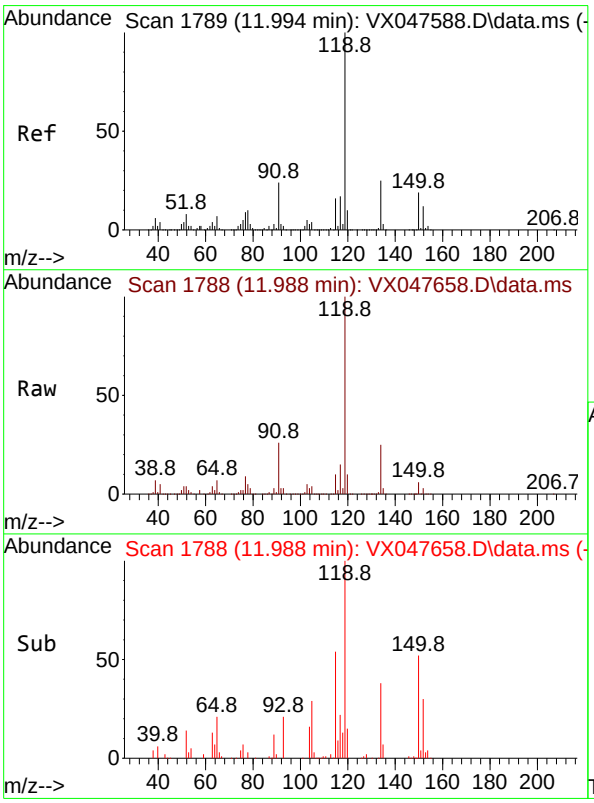
#85
sec-Butylbenzene
Concen: 53.468 ug/l
RT: 11.872 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047658.D
Acq: 18 Sep 2025 21:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:105 Resp: 513773

Ion	Ratio	Lower	Upper
105	100		
134	19.7	9.8	29.5

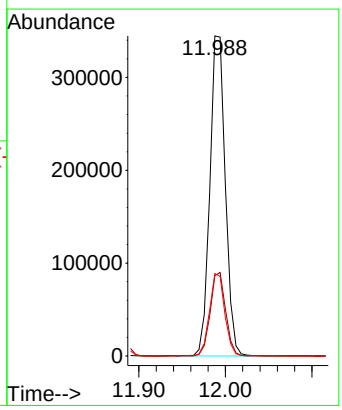


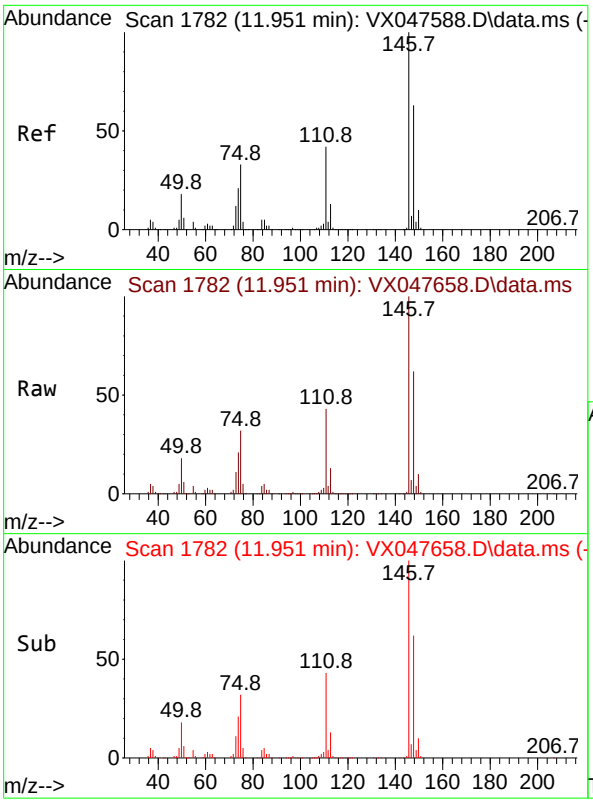


#86
p-Isopropyltoluene
Concen: 52.682 ug/l
RT: 11.988 min Scan# 1788
Delta R.T. -0.006 min
Lab File: VX047658.D
Acq: 18 Sep 2025 21:16

Tgt Ion:119 Resp: 428563

Ion	Ratio	Lower	Upper
119	100		
134	25.9	12.6	37.8
91	25.4	12.6	37.6



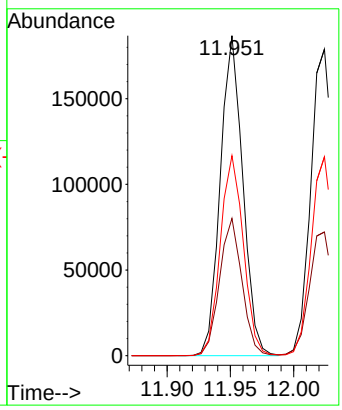


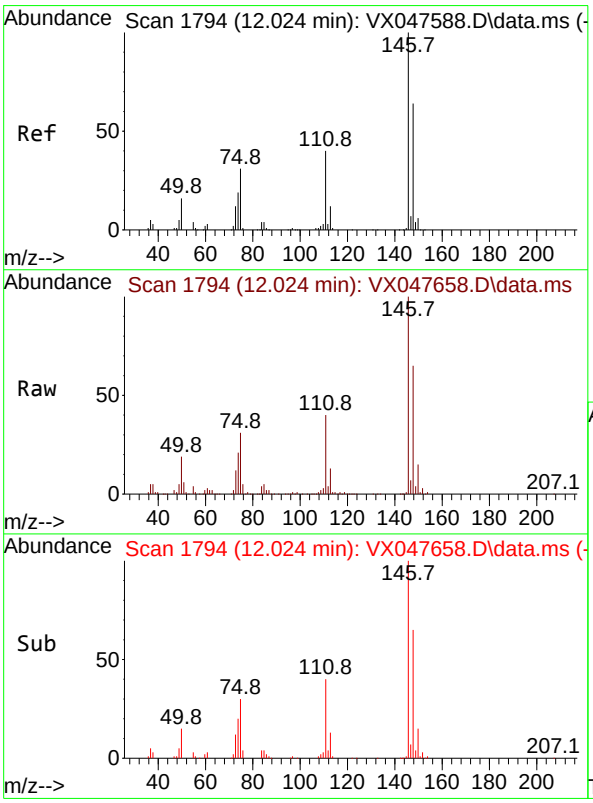
#87
1,3-Dichlorobenzene
Concen: 52.441 ug/l
RT: 11.951 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047658.D
Acq: 18 Sep 2025 21:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:146 Resp: 230750

Ion	Ratio	Lower	Upper
146	100		
111	42.9	21.5	64.5
148	64.1	32.0	96.0

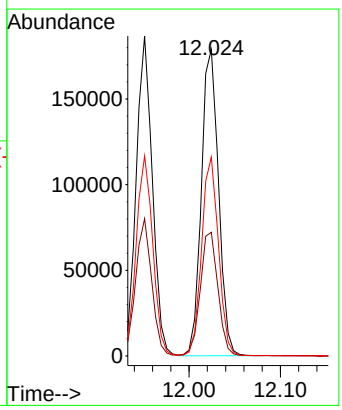


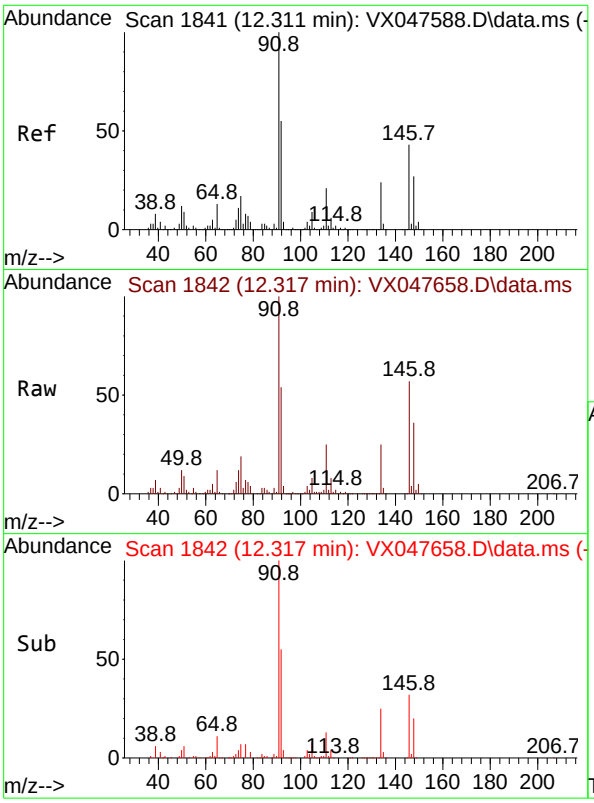


#88
1,4-Dichlorobenzene
Concen: 51.751 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX047658.D
Acq: 18 Sep 2025 21:16

Tgt Ion:146 Resp: 233716

Ion	Ratio	Lower	Upper
146	100		
111	41.5	20.8	62.4
148	64.0	31.7	95.1



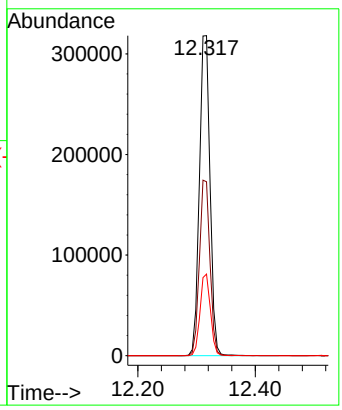


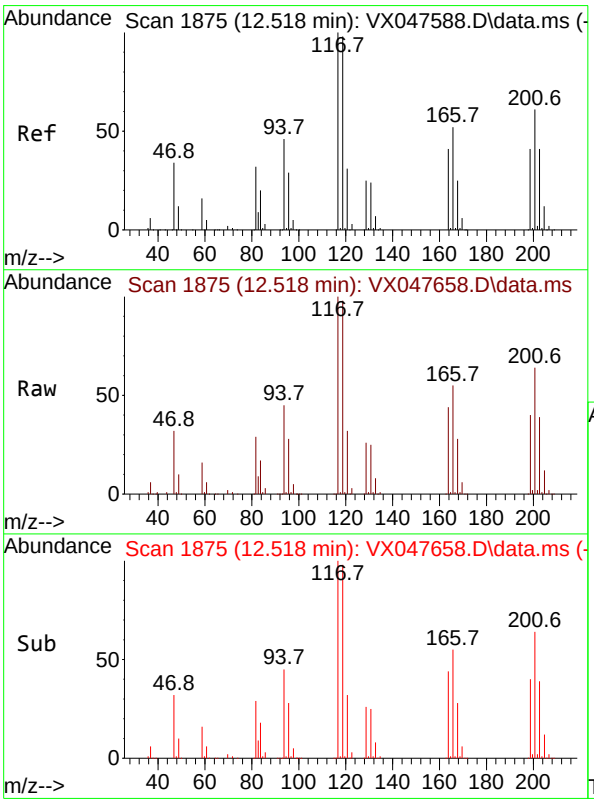
#89
n-Butylbenzene
Concen: 52.828 ug/l
RT: 12.317 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047658.D
Acq: 18 Sep 2025 21:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 397647

Ion	Ratio	Lower	Upper
91	100		
92	54.5	27.6	82.7
134	24.9	12.6	37.8

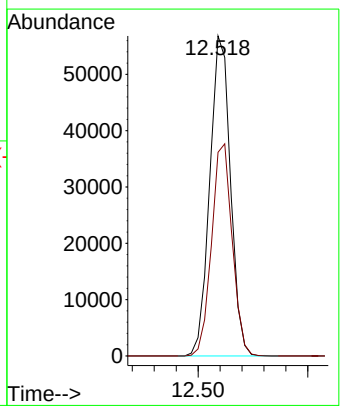


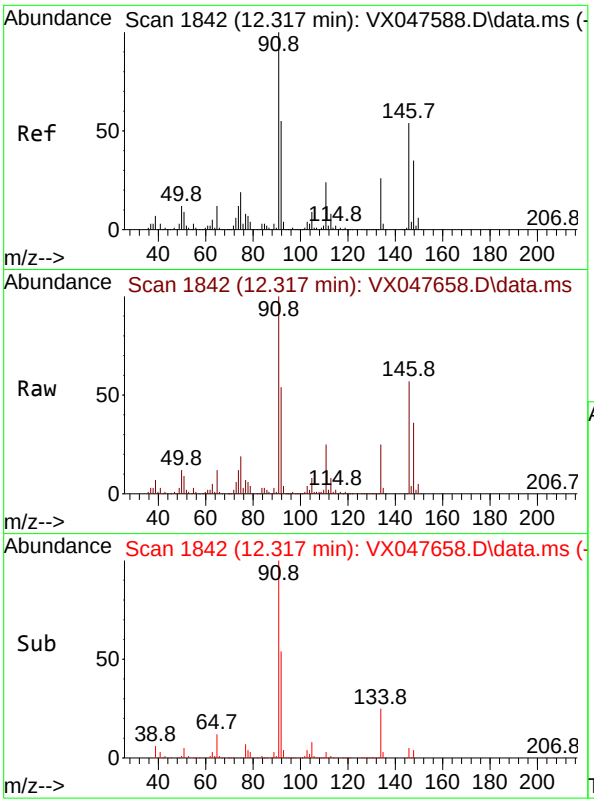


#90
Hexachloroethane
Concen: 52.063 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. 0.000 min
Lab File: VX047658.D
Acq: 18 Sep 2025 21:16

Tgt Ion:117 Resp: 74358

Ion	Ratio	Lower	Upper
117	100		
201	66.3	34.2	102.5



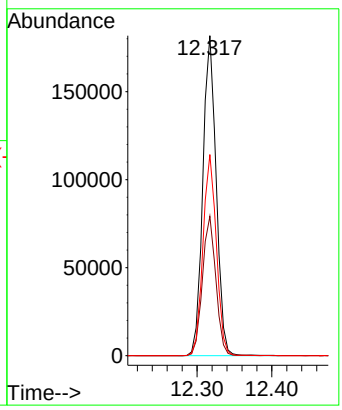


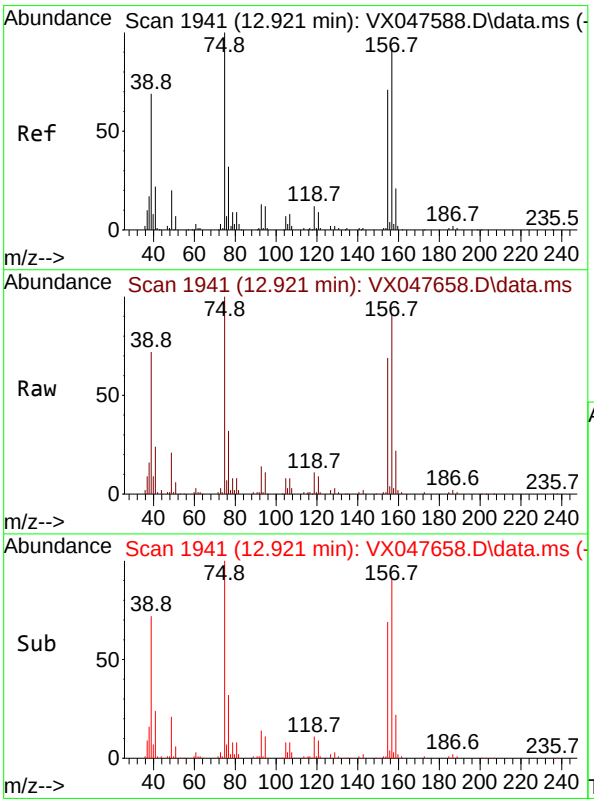
#91
1,2-Dichlorobenzene
Concen: 53.721 ug/l
RT: 12.317 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047658.D
Acq: 18 Sep 2025 21:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:146 Resp: 225205

Ion	Ratio	Lower	Upper
146	100		
111	43.8	22.2	66.6
148	63.2	31.8	95.4

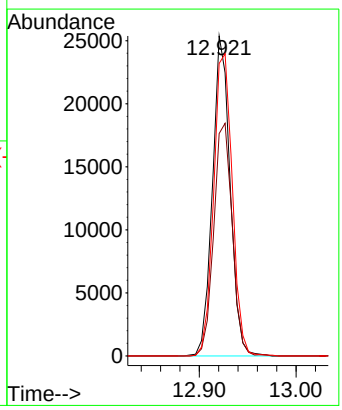


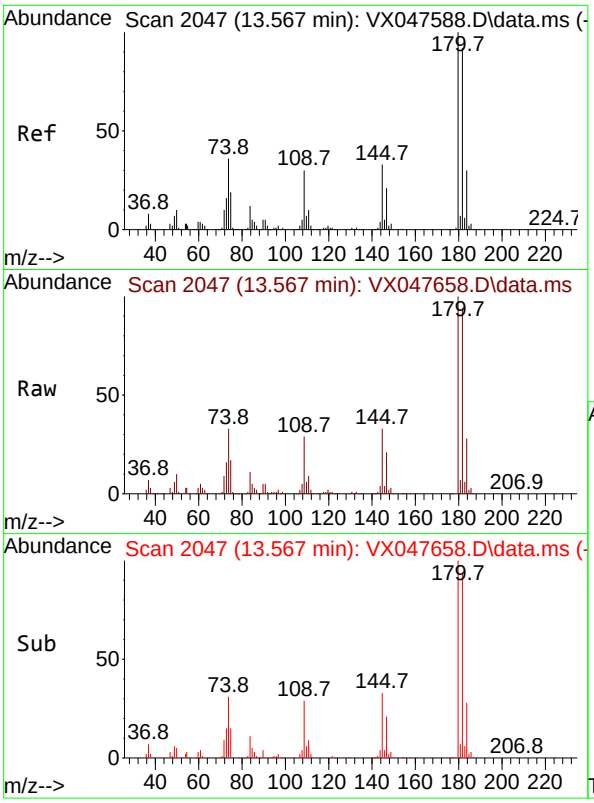


#92
1,2-Dibromo-3-Chloropropane
Concen: 54.344 ug/l
RT: 12.921 min Scan# 1941
Delta R.T. 0.000 min
Lab File: VX047658.D
Acq: 18 Sep 2025 21:16

Tgt Ion: 75 Resp: 32019

Ion	Ratio	Lower	Upper
75	100		
155	76.3	37.7	113.1
157	100.3	49.8	149.4



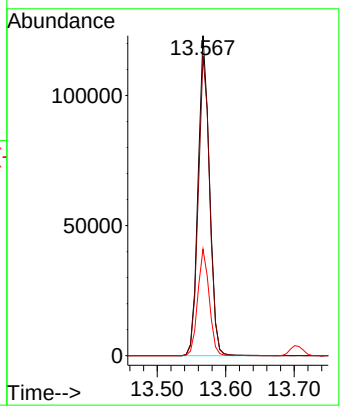


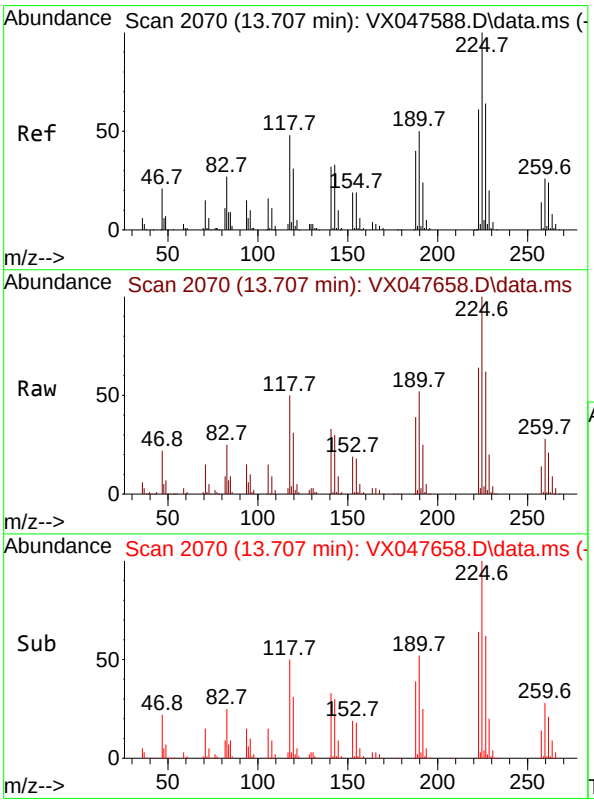
#93
1,2,4-Trichlorobenzene
Concen: 52.038 ug/l
RT: 13.567 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX047658.D
Acq: 18 Sep 2025 21:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:180 Resp: 141778

Ion	Ratio	Lower	Upper
180	100		
182	94.7	46.6	139.8
145	33.5	16.4	49.1

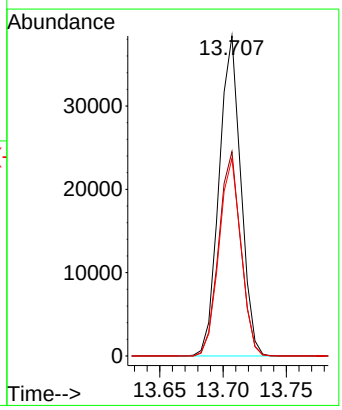


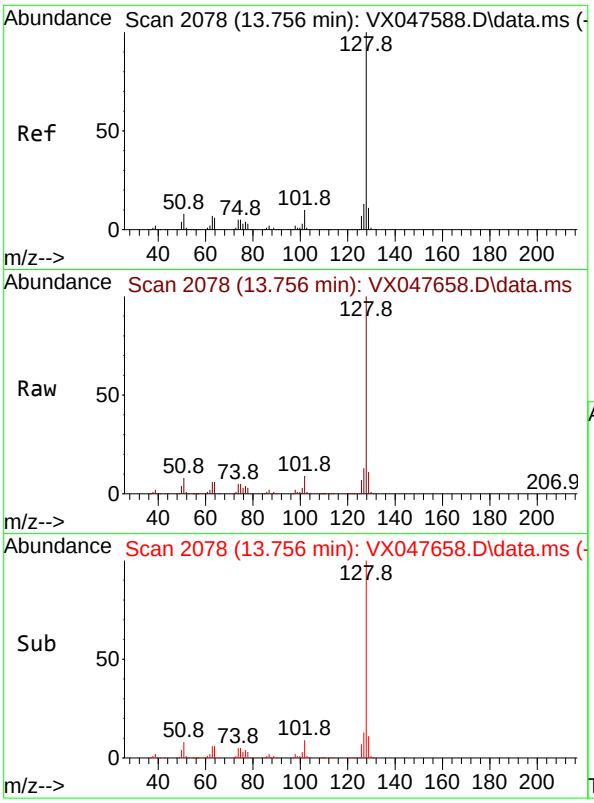


#94
Hexachlorobutadiene
Concen: 49.486 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. 0.000 min
Lab File: VX047658.D
Acq: 18 Sep 2025 21:16

Tgt Ion:225 Resp: 45796

Ion	Ratio	Lower	Upper
225	100		
223	64.5	31.7	95.1
227	62.6	32.0	96.0



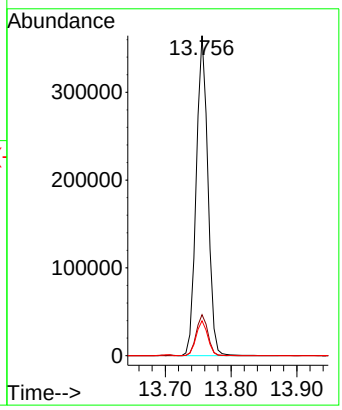


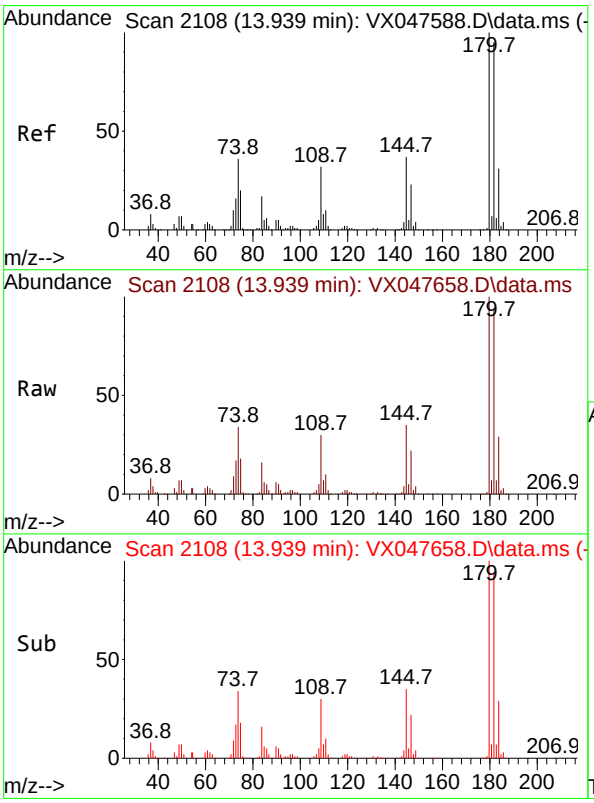
#95
Naphthalene
Concen: 53.776 ug/l
RT: 13.756 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX047658.D
Acq: 18 Sep 2025 21:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:128 Resp: 446144

Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.2
129	10.9	8.8	13.2

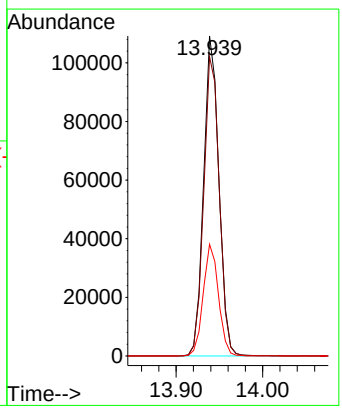




#96
1,2,3-Trichlorobenzene
Concen: 52.735 ug/l
RT: 13.939 min Scan# 2108
Delta R.T. 0.000 min
Lab File: VX047658.D
Acq: 18 Sep 2025 21:16

Tgt Ion:180 Resp: 133651

Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.6	142.8
145	34.9	17.9	53.7



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091925\
Data File : VX047660.D
Acq On : 19 Sep 2025 09:22
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Quant Time: Sep 20 00:25:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.532	168	168285	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.739	114	306730	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	272268	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	129778	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.934	65	131043	48.921	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	97.840%		
35) Dibromofluoromethane	5.367	113	100766	48.985	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.960%		
50) Toluene-d8	8.629	98	344123	48.346	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	96.700%		
62) 4-Bromofluorobenzene	11.061	95	130212	48.202	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	96.400%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.173	85	109308	62.726	ug/l	98
3) Chloromethane	1.301	50	133876	58.454	ug/l	99
4) Vinyl Chloride	1.380	62	128689	57.401	ug/l	100
5) Bromomethane	1.618	94	85593	60.207	ug/l	96
6) Chloroethane	1.691	64	81959	54.697	ug/l	99
7) Trichlorofluoromethane	1.892	101	177530	53.331	ug/l	98
8) Diethyl Ether	2.136	74	72507	53.247	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.331	101	101931	52.368	ug/l	100
10) Methyl Iodide	2.453	142	161075	53.061	ug/l	100
11) Tert butyl alcohol	2.941	59	76492	256.398	ug/l	96
12) 1,1-Dichloroethene	2.325	96	106990	53.511	ug/l	96
13) Acrolein	2.233	56	76226	277.267	ug/l	100
14) Allyl chloride	2.660	41	214937	52.096	ug/l	98
15) Acrylonitrile	3.056	53	309800	280.351	ug/l	99
16) Acetone	2.374	43	311710	267.632	ug/l	100
17) Carbon Disulfide	2.514	76	312779	57.144	ug/l	97
18) Methyl Acetate	2.697	43	138468	53.421	ug/l	100
19) Methyl tert-butyl Ether	3.105	73	382912	52.463	ug/l	100
20) Methylene Chloride	2.782	84	128420	52.090	ug/l	97
21) trans-1,2-Dichloroethene	3.087	96	116131	53.949	ug/l	98
22) Diisopropyl ether	3.745	45	424760	53.122	ug/l	87
23) Vinyl Acetate	3.709	43	1775588	277.456	ug/l	100
24) 1,1-Dichloroethane	3.599	63	223923	52.689	ug/l	97
25) 2-Butanone	4.532	43	392796	270.370	ug/l	97
26) 2,2-Dichloropropane	4.465	77	182677	51.709	ug/l	99
27) cis-1,2-Dichloroethene	4.477	96	139356	52.862	ug/l	99
28) Bromochloromethane	4.879	49	102961	55.493	ug/l	99
29) Tetrahydrofuran	4.983	42	240704	275.412	ug/l	99
30) Chloroform	5.074	83	224397	52.250	ug/l	99
31) Cyclohexane	5.452	56	180483	50.989	ug/l	97
32) 1,1,1-Trichloroethane	5.367	97	187258	51.405	ug/l	100
36) 1,1-Dichloropropene	5.672	75	148709	49.472	ug/l	99
37) Ethyl Acetate	4.690	43	167930	52.177	ug/l	98
38) Carbon Tetrachloride	5.660	117	158068	48.399	ug/l	96
39) Methylcyclohexane	7.361	83	173329	50.798	ug/l	98
40) Benzene	6.019	78	469978	51.478	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091925\
Data File : VX047660.D
Acq On : 19 Sep 2025 09:22
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Quant Time: Sep 20 00:25:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.898	41	89756	54.019	ug/l	98
42) 1,2-Dichloroethane	6.068	62	173829	50.041	ug/l	99
43) Isopropyl Acetate	6.318	43	269858	51.124	ug/l	99
44) Trichloroethene	7.104	130	113653	51.491	ug/l	100
45) 1,2-Dichloropropane	7.409	63	118540	50.706	ug/l	99
46) Dibromomethane	7.562	93	87295	51.314	ug/l	99
47) Bromodichloromethane	7.799	83	177916	50.681	ug/l	98
48) Methyl methacrylate	7.671	41	135518	51.542	ug/l	99
49) 1,4-Dioxane	7.641	88	33615	1265.071	ug/l	98
51) 4-Methyl-2-Pentanone	8.555	43	772605	263.992	ug/l	100
52) Toluene	8.702	92	285358	50.732	ug/l	99
53) t-1,3-Dichloropropene	8.958	75	184125	51.420	ug/l	99
54) cis-1,3-Dichloropropene	8.348	75	198129	51.767	ug/l	99
55) 1,1,2-Trichloroethane	9.135	97	110081	50.755	ug/l	98
56) Ethyl methacrylate	9.098	69	181056	53.155	ug/l	96
57) 1,3-Dichloropropane	9.293	76	193901	52.043	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.220	63	426594	261.332	ug/l	100
59) 2-Hexanone	9.415	43	551745	262.497	ug/l	98
60) Dibromochloromethane	9.500	129	129786	51.934	ug/l	100
61) 1,2-Dibromoethane	9.592	107	117326	53.110	ug/l	99
64) Tetrachloroethene	9.257	164	86883	48.951	ug/l	98
65) Chlorobenzene	10.061	112	308645	49.899	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.147	131	107031	50.145	ug/l	100
67) Ethyl Benzene	10.177	91	536224	50.244	ug/l	100
68) m/p-Xylenes	10.281	106	400119	100.725	ug/l	99
69) o-Xylene	10.622	106	194487	50.618	ug/l	99
70) Styrene	10.634	104	346312	51.440	ug/l	98
71) Bromoform	10.781	173	81077	50.872	ug/l	99
73) Isopropylbenzene	10.945	105	493376	50.005	ug/l	99
74) N-amyl acetate	10.823	43	234901	52.208	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.195	83	154912	51.895	ug/l	99
76) 1,2,3-Trichloropropane	11.220	75	174114	66.263	ug/l	92
77) Bromobenzene	11.177	156	121922	50.172	ug/l	99
78) n-propylbenzene	11.287	91	583388	50.018	ug/l	99
79) 2-Chlorotoluene	11.348	91	356287	49.875	ug/l	99
80) 1,3,5-Trimethylbenzene	11.433	105	409554	50.523	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.000	75	51972	50.440	ug/l	99
82) 4-Chlorotoluene	11.433	91	421274	49.932	ug/l	99
83) tert-Butylbenzene	11.695	119	399938	48.196	ug/l	99
84) 1,2,4-Trimethylbenzene	11.732	105	415095	50.508	ug/l	100
85) sec-Butylbenzene	11.872	105	489102	49.622	ug/l	100
86) p-Isopropyltoluene	11.988	119	415198	49.757	ug/l	99
87) 1,3-Dichlorobenzene	11.951	146	226308	50.139	ug/l	99
88) 1,4-Dichlorobenzene	12.024	146	227633	49.138	ug/l	99
89) n-Butylbenzene	12.311	91	386234	50.022	ug/l	99
90) Hexachloroethane	12.518	117	73125	49.913	ug/l	99
91) 1,2-Dichlorobenzene	12.317	146	215367	50.084	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.920	75	31345	51.864	ug/l	98
93) 1,2,4-Trichlorobenzene	13.567	180	141532	50.643	ug/l	100
94) Hexachlorobutadiene	13.707	225	47423	49.957	ug/l	99
95) Naphthalene	13.756	128	428676	50.373	ug/l	100
96) 1,2,3-Trichlorobenzene	13.939	180	133374	51.304	ug/l	99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091925\
Data File : VX047660.D
Acq On : 19 Sep 2025 09:22
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Quant Time: Sep 20 00:25:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

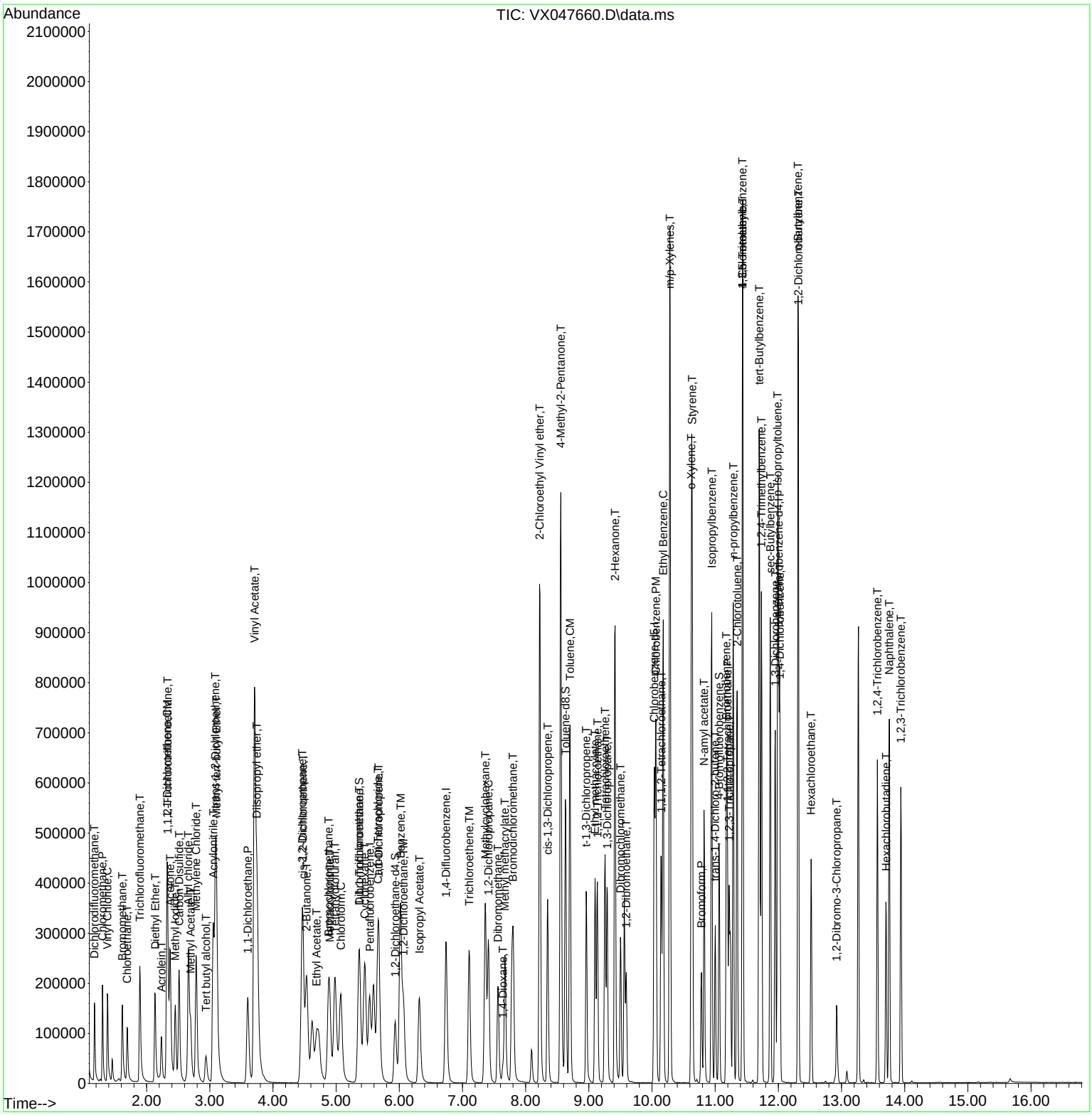
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

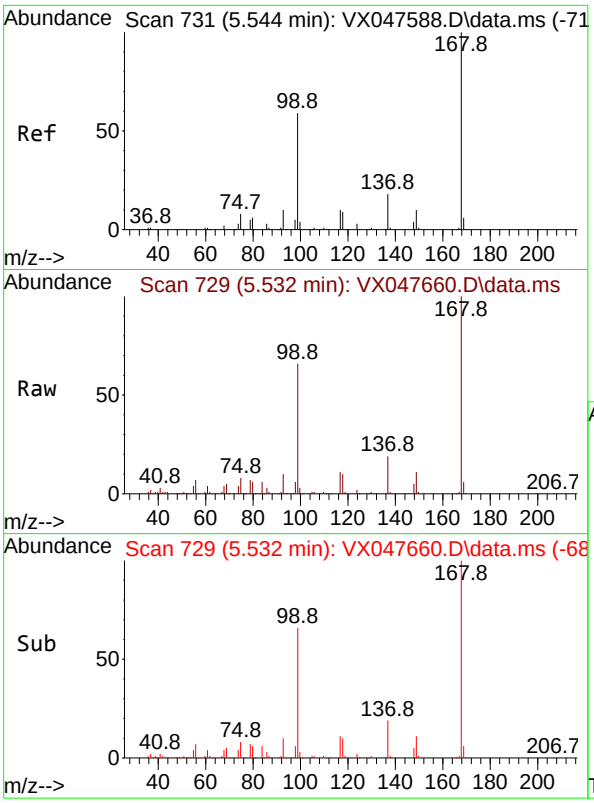
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091925\
Data File : VX047660.D
Acq On : 19 Sep 2025 09:22
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Quant Time: Sep 20 00:25:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



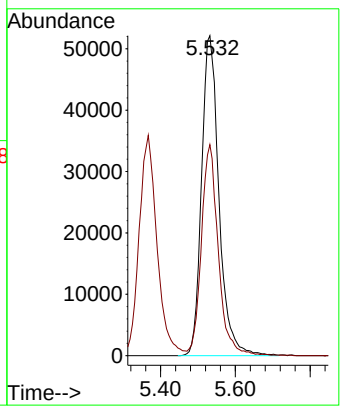


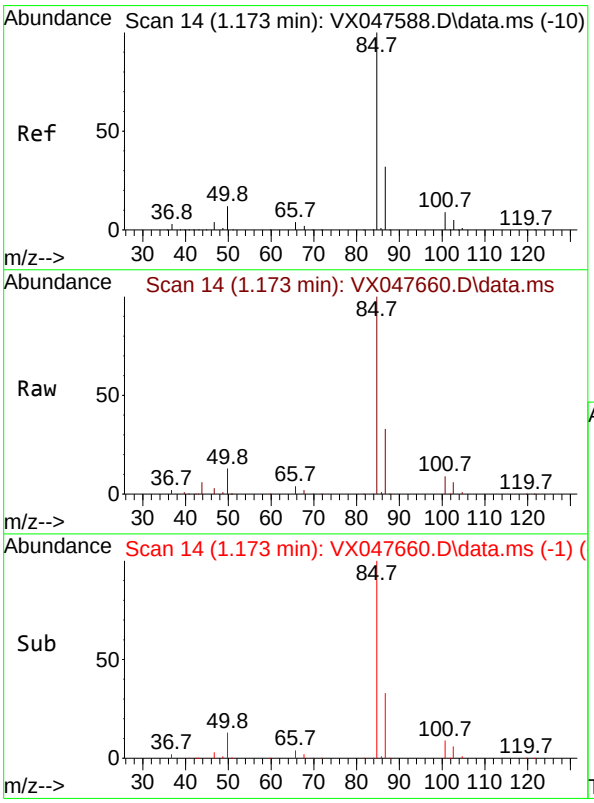
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.532 min Scan# 7
Delta R.T. -0.012 min
Lab File: VX047660.D
Acq: 19 Sep 2025 09:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:168 Resp: 168285

Ion	Ratio	Lower	Upper
168	100		
99	65.8	48.8	73.2

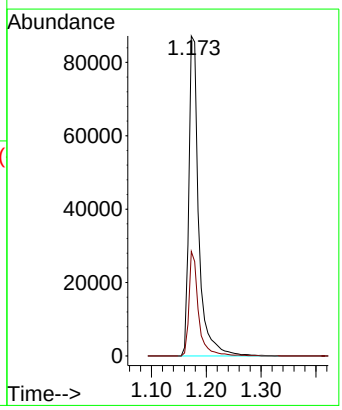


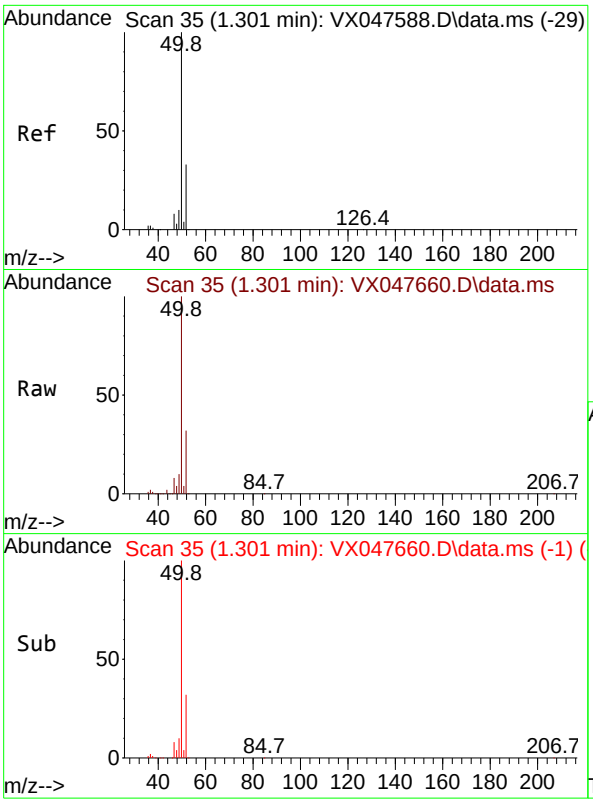


#2
Dichlorodifluoromethane
Concen: 62.726 ug/l
RT: 1.173 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047660.D
Acq: 19 Sep 2025 09:22

Tgt Ion: 85 Resp: 109308

Ion	Ratio	Lower	Upper
85	100		
87	32.6	15.8	47.3



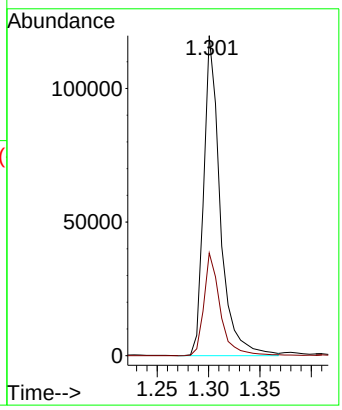


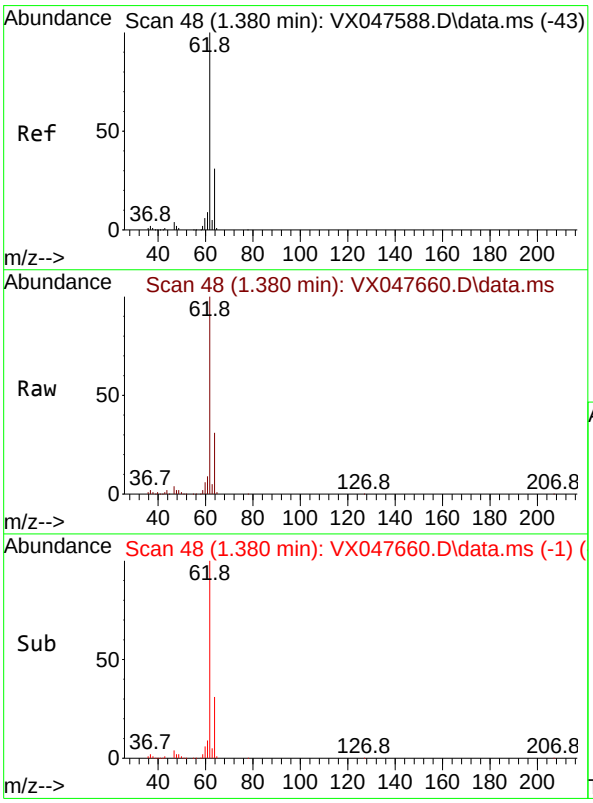
#3
Chloromethane
Concen: 58.454 ug/l
RT: 1.301 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047660.D
Acq: 19 Sep 2025 09:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 50 Resp: 133876

Ion	Ratio	Lower	Upper
50	100		
52	32.1	26.1	39.1

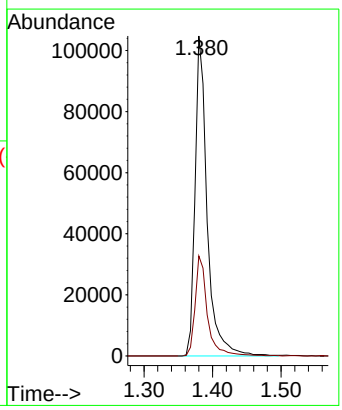


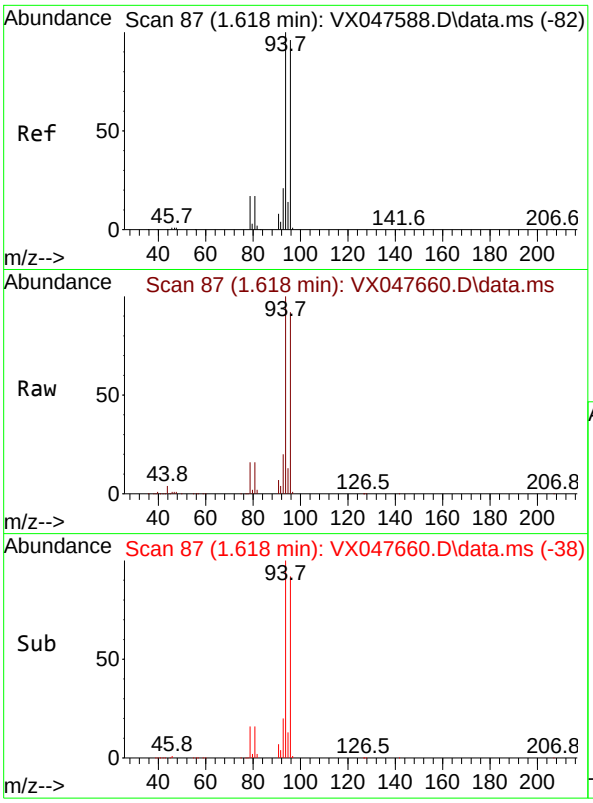


#4
Vinyl Chloride
Concen: 57.401 ug/l
RT: 1.380 min Scan# 48
Delta R.T. 0.000 min
Lab File: VX047660.D
Acq: 19 Sep 2025 09:22

Tgt Ion: 62 Resp: 128689

Ion	Ratio	Lower	Upper
62	100		
64	31.2	24.9	37.3



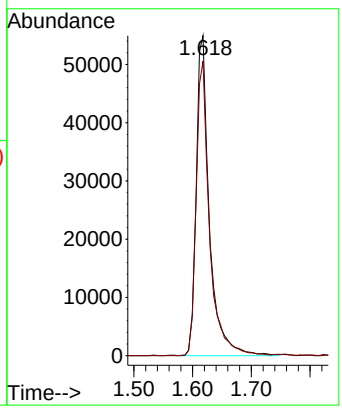


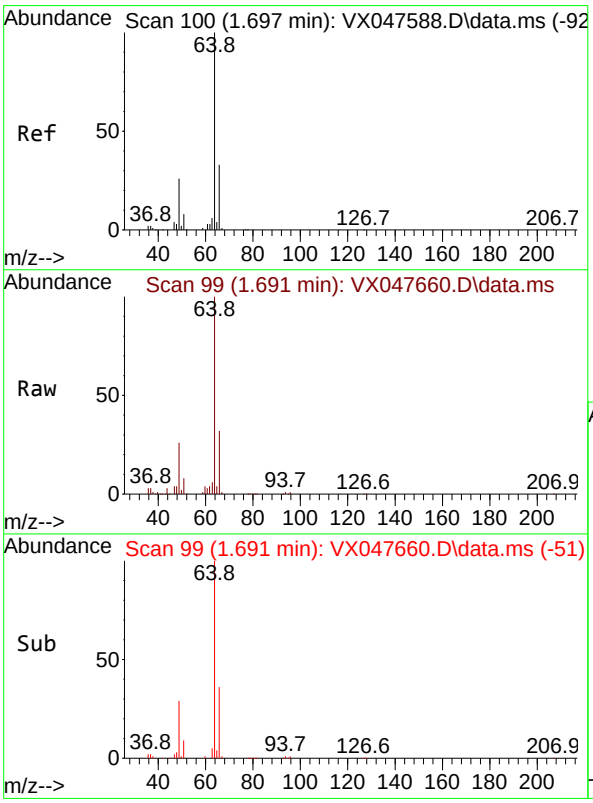
#5
Bromomethane
Concen: 60.207 ug/l
RT: 1.618 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX047660.D
Acq: 19 Sep 2025 09:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 94 Resp: 85593

Ion	Ratio	Lower	Upper
94	100		
96	92.0	76.6	115.0

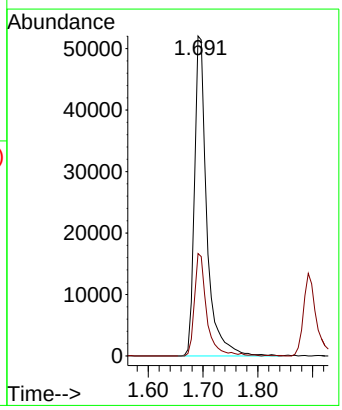


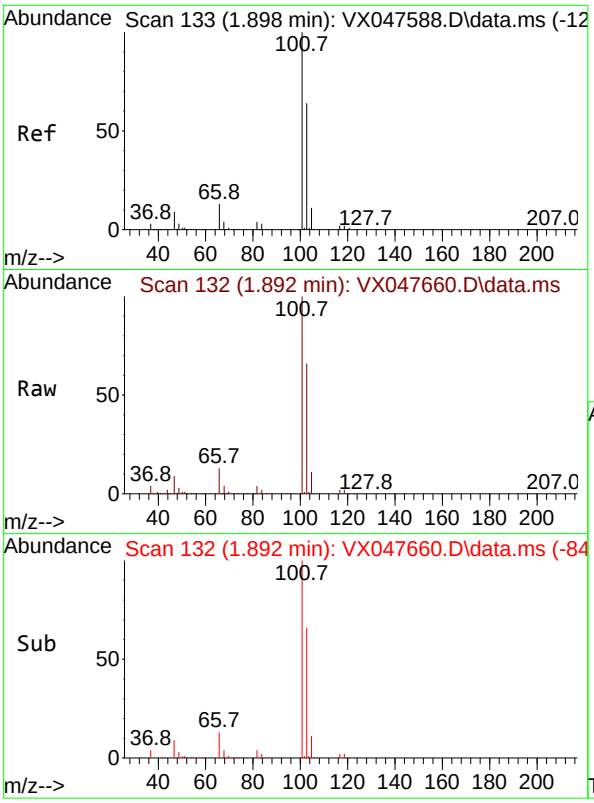


#6
Chloroethane
Concen: 54.697 ug/l
RT: 1.691 min Scan# 99
Delta R.T. -0.006 min
Lab File: VX047660.D
Acq: 19 Sep 2025 09:22

Tgt Ion: 64 Resp: 81959

Ion	Ratio	Lower	Upper
64	100		
66	32.0	26.1	39.1



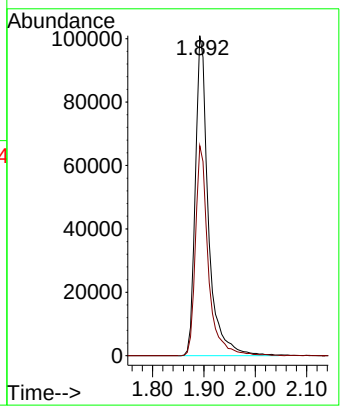


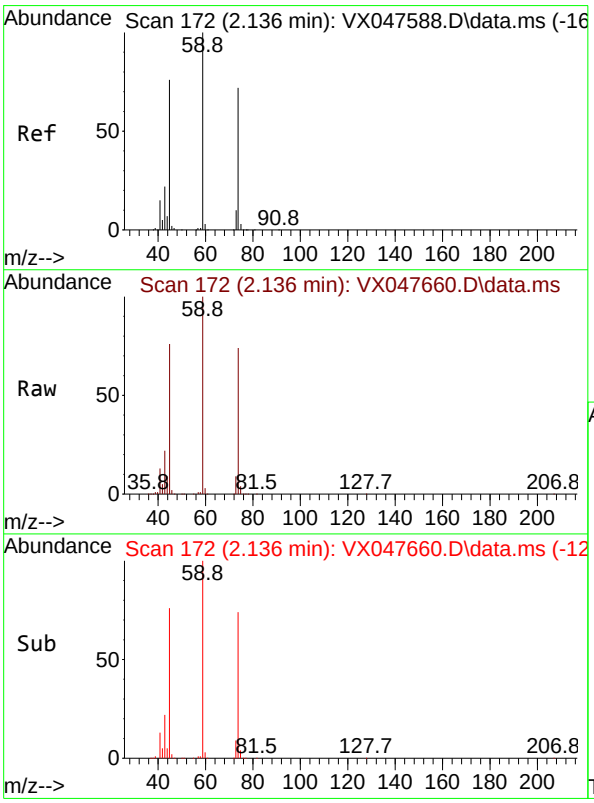
#7
Trichlorofluoromethane
Concen: 53.331 ug/l
RT: 1.892 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047660.D
Acq: 19 Sep 2025 09:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 177530

Ion	Ratio	Lower	Upper
101	100		
103	65.6	51.4	77.2

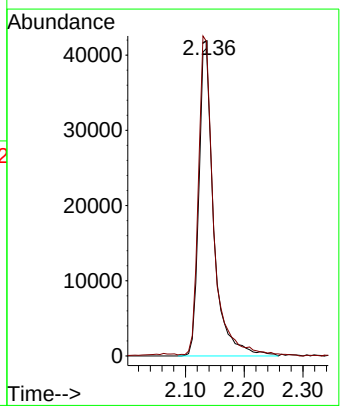


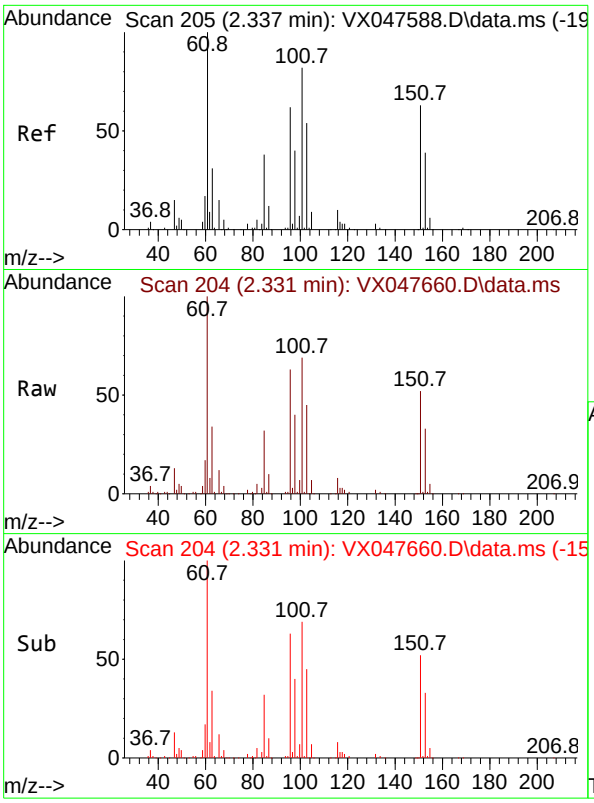


#8
Diethyl Ether
Concen: 53.247 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX047660.D
Acq: 19 Sep 2025 09:22

Tgt Ion: 74 Resp: 72507

Ion	Ratio	Lower	Upper
74	100		
45	106.8	52.3	156.8



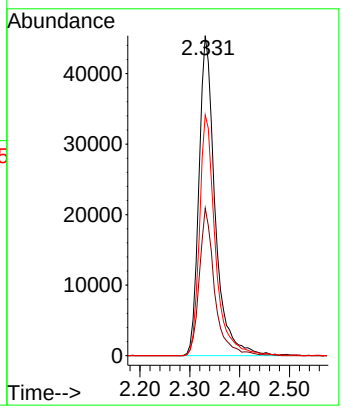


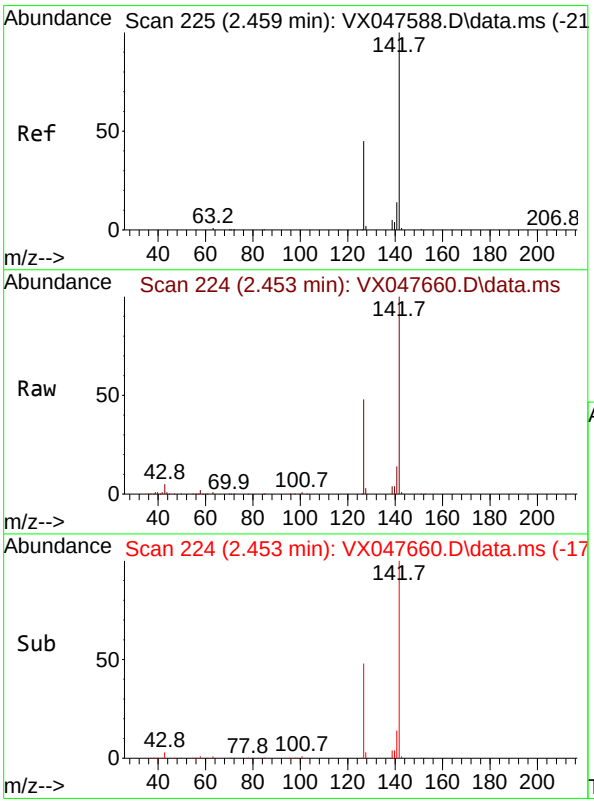
#9
1,1,2-Trichlorotrifluoroethane
Concen: 52.368 ug/l
RT: 2.331 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047660.D
Acq: 19 Sep 2025 09:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 101931

Ion	Ratio	Lower	Upper
101	100		
85	44.0	35.5	53.3
151	74.2	59.4	89.0

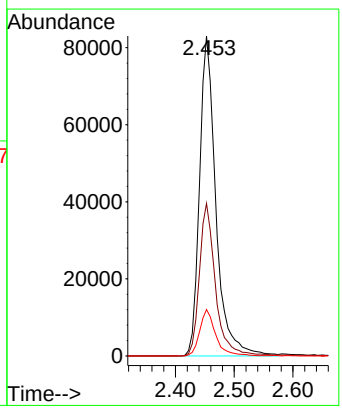


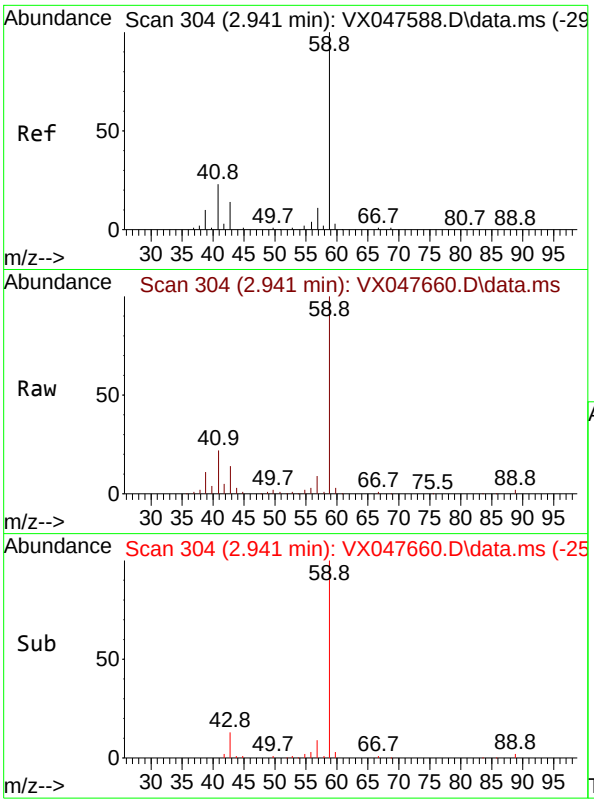


#10
Methyl Iodide
Concen: 53.061 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.006 min
Lab File: VX047660.D
Acq: 19 Sep 2025 09:22

Tgt Ion:142 Resp: 161075

Ion	Ratio	Lower	Upper
142	100		
127	46.6	37.2	55.8
141	14.2	11.4	17.0



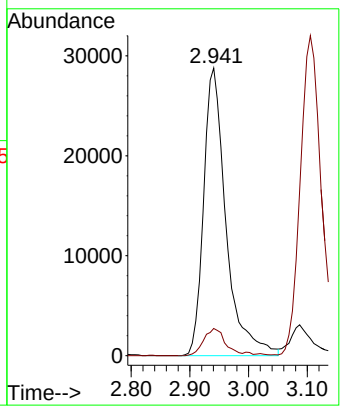


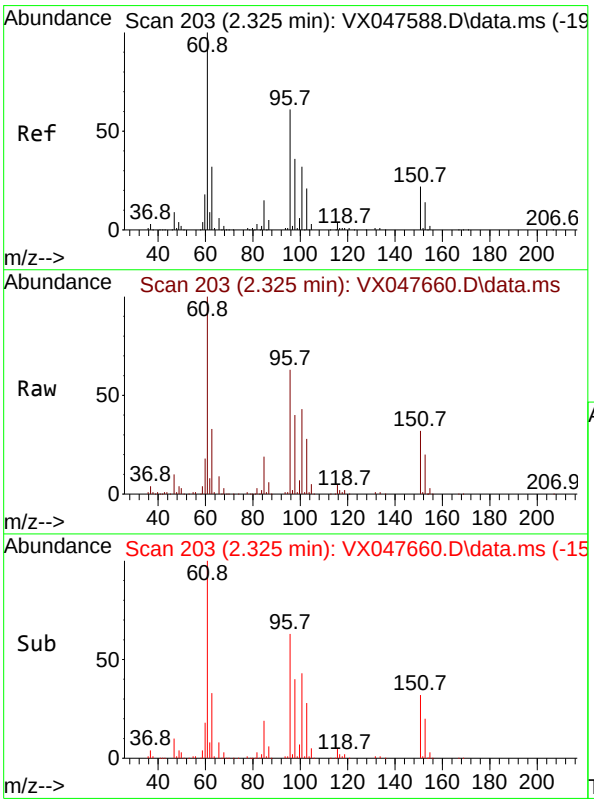
#11
Tert butyl alcohol
Concen: 256.398 ug/l
RT: 2.941 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047660.D
Acq: 19 Sep 2025 09:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 59 Resp: 76492

Ion	Ratio	Lower	Upper
59	100		
57	9.0	8.3	12.5

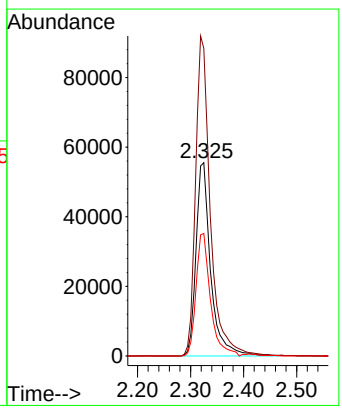


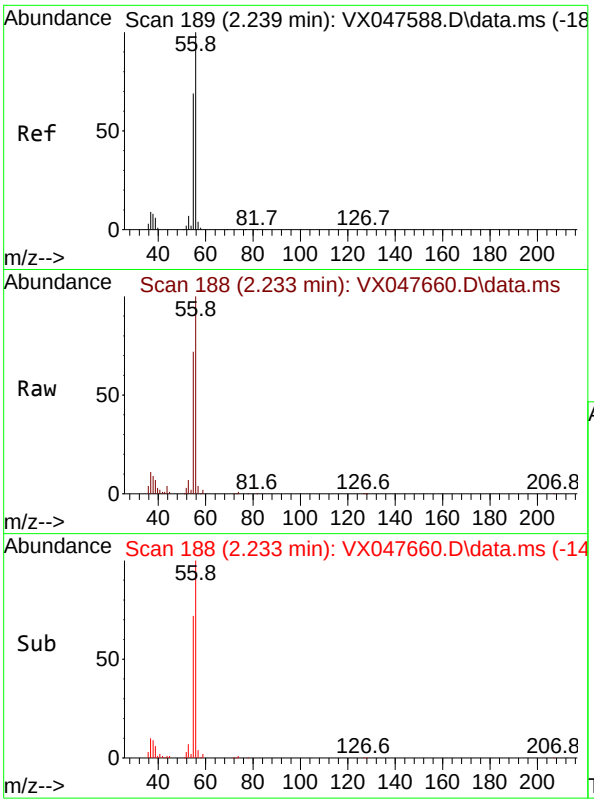


#12
1,1-Dichloroethene
Concen: 53.511 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX047660.D
Acq: 19 Sep 2025 09:22

Tgt Ion: 96 Resp: 106990

Ion	Ratio	Lower	Upper
96	100		
61	159.2	131.0	196.6
98	63.4	47.7	71.5



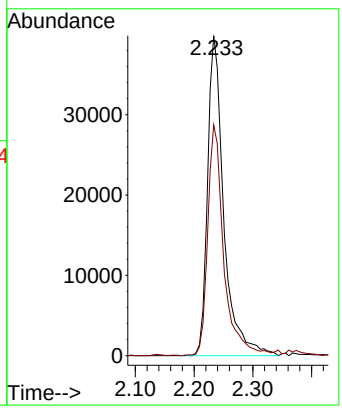


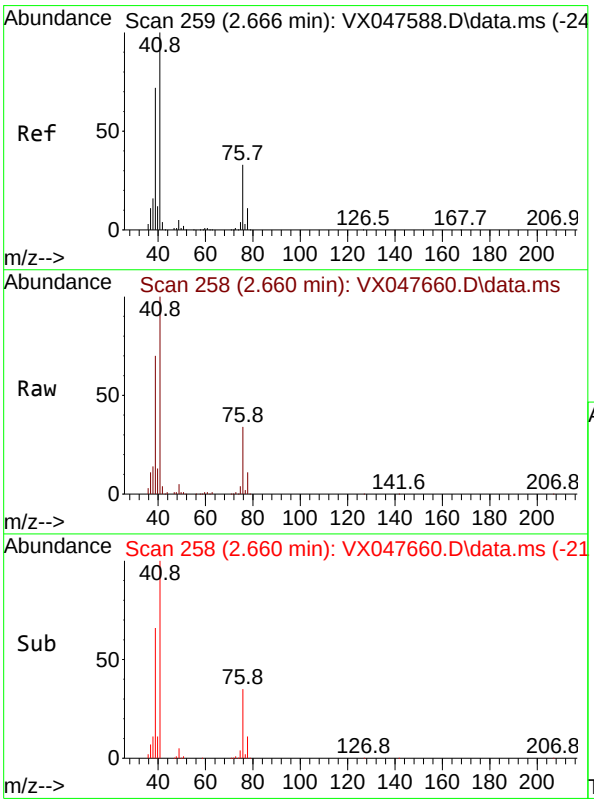
#13
Acrolein
Concen: 277.267 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047660.D
Acq: 19 Sep 2025 09:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 56 Resp: 76226

Ion	Ratio	Lower	Upper
56	100		
55	71.3	57.2	85.8

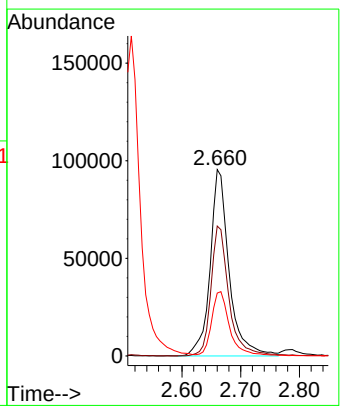


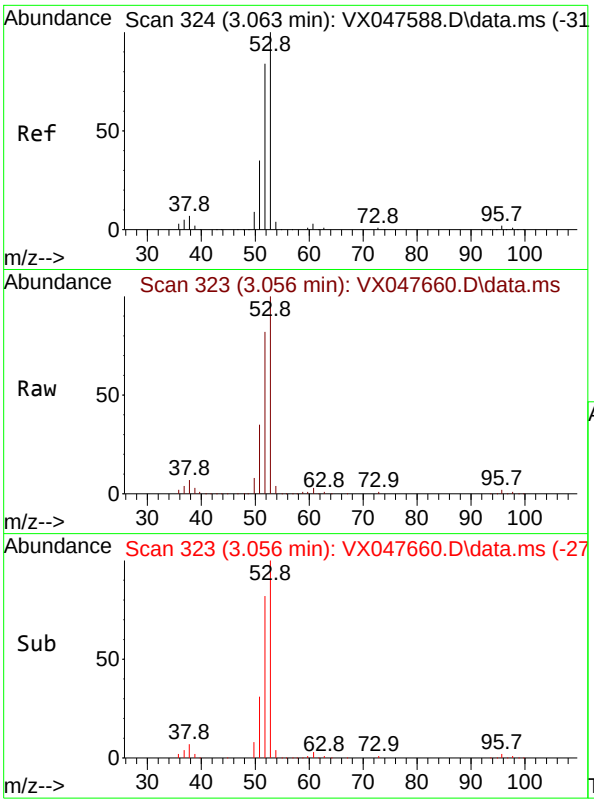


#14
Allyl chloride
Concen: 52.096 ug/l
RT: 2.660 min Scan# 258
Delta R.T. -0.006 min
Lab File: VX047660.D
Acq: 19 Sep 2025 09:22

Tgt Ion: 41 Resp: 214937

Ion	Ratio	Lower	Upper
41	100		
39	66.2	54.7	82.1
76	32.9	25.7	38.5



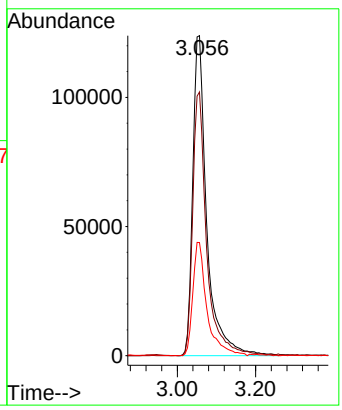


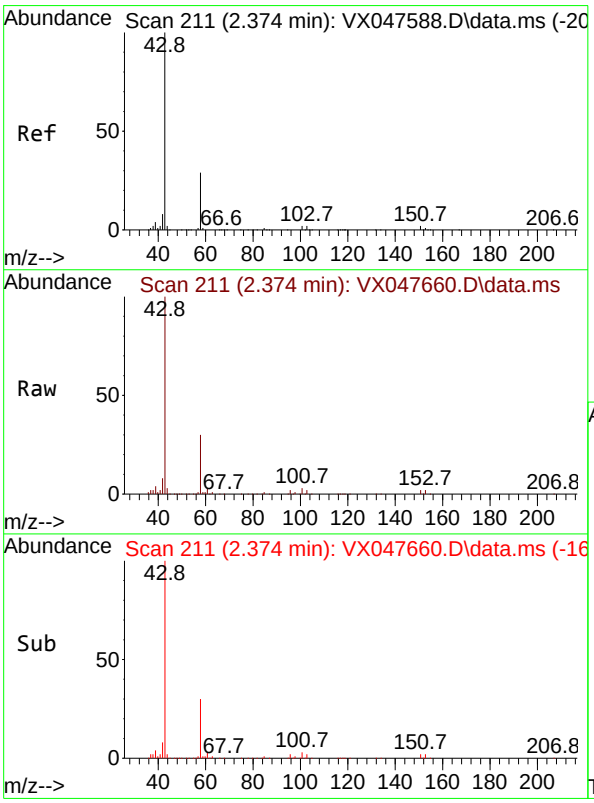
#15
Acrylonitrile
Concen: 280.351 ug/l
RT: 3.056 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047660.D
Acq: 19 Sep 2025 09:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 53 Resp: 309800

Ion	Ratio	Lower	Upper
53	100		
52	82.3	66.4	99.6
51	35.8	29.5	44.3

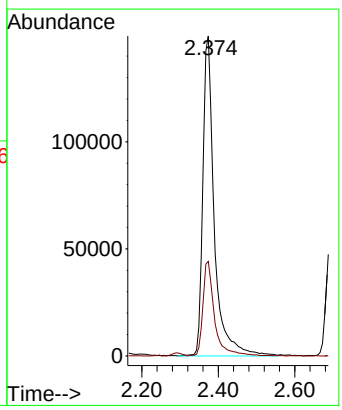


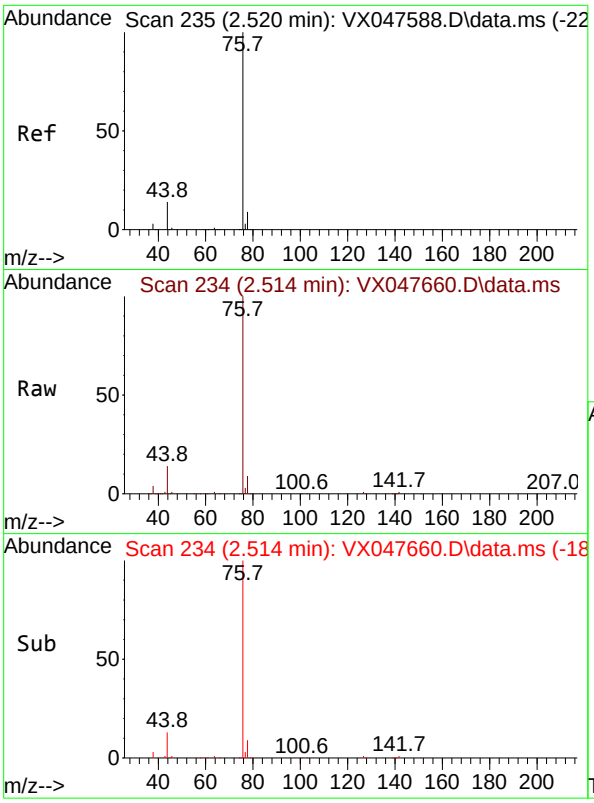


#16
Acetone
Concen: 267.632 ug/l
RT: 2.374 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX047660.D
Acq: 19 Sep 2025 09:22

Tgt Ion: 43 Resp: 311710

Ion	Ratio	Lower	Upper
43	100		
58	29.5	23.4	35.0



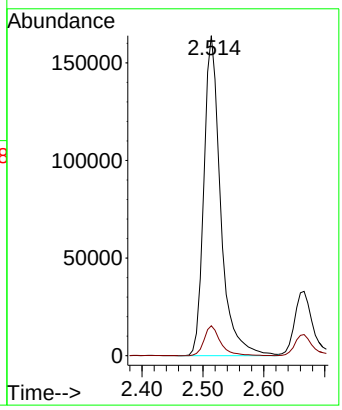


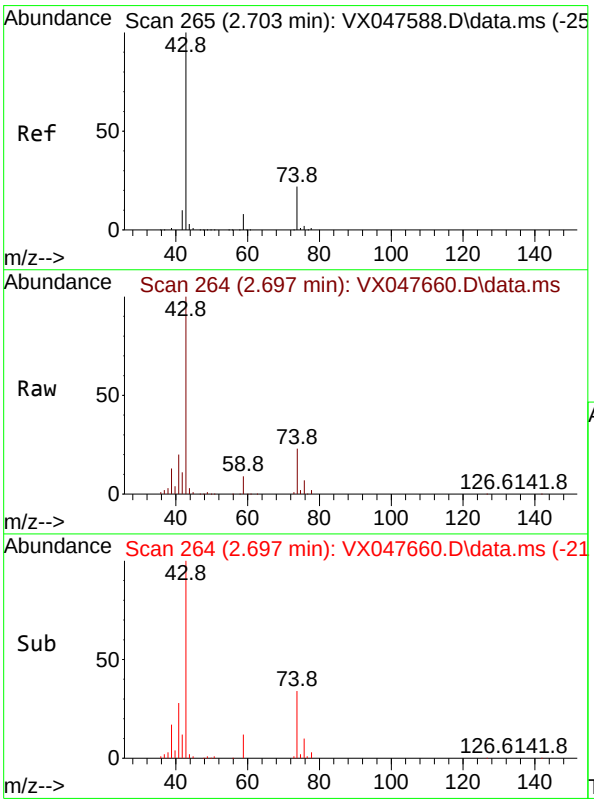
#17
Carbon Disulfide
Concen: 57.144 ug/l
RT: 2.514 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047660.D
Acq: 19 Sep 2025 09:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 312779

Ion	Ratio	Lower	Upper
76	100		
78	9.5	6.8	10.2

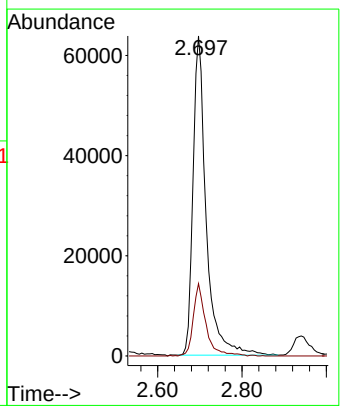


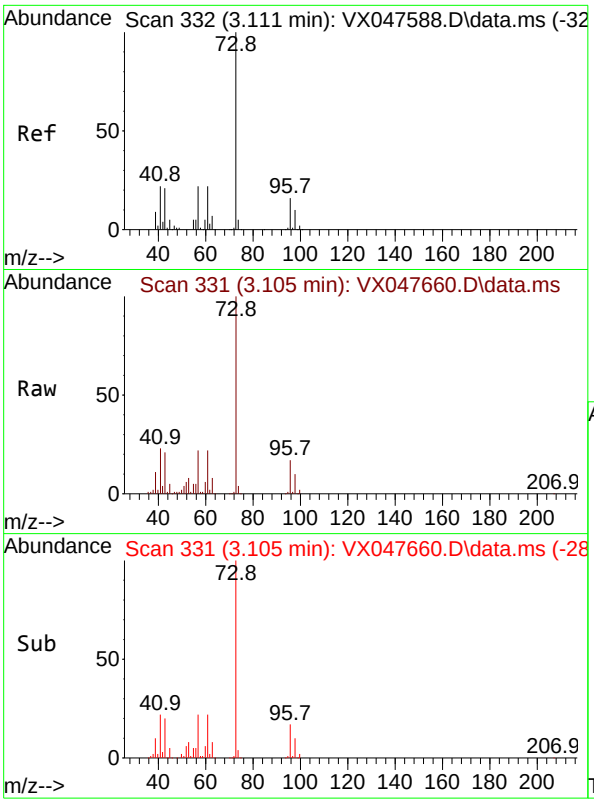


#18
Methyl Acetate
Concen: 53.421 ug/l
RT: 2.697 min Scan# 264
Delta R.T. -0.006 min
Lab File: VX047660.D
Acq: 19 Sep 2025 09:22

Tgt Ion: 43 Resp: 138468

Ion	Ratio	Lower	Upper
43	100		
74	21.7	17.4	26.2



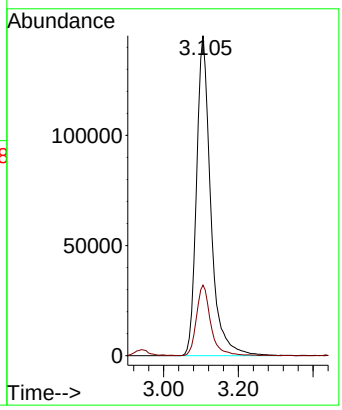


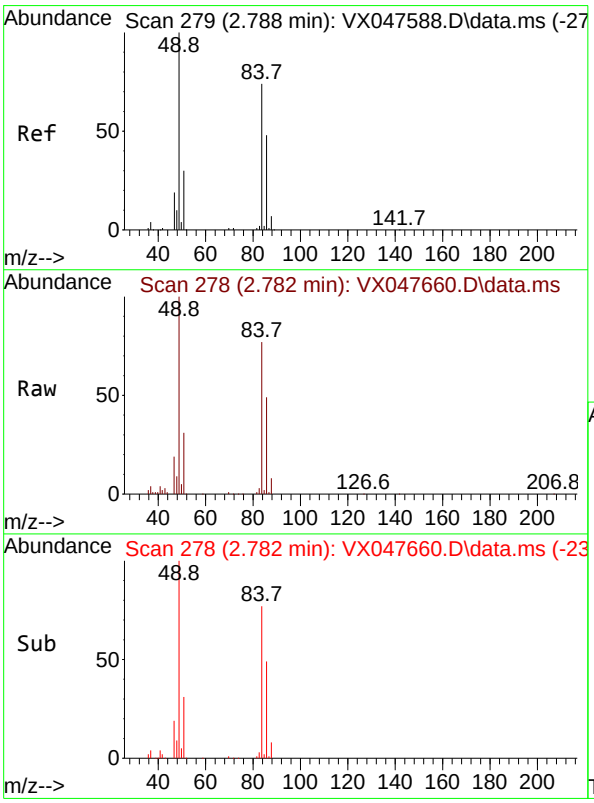
#19
Methyl tert-butyl Ether
Concen: 52.463 ug/l
RT: 3.105 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047660.D
Acq: 19 Sep 2025 09:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 73 Resp: 382912

Ion	Ratio	Lower	Upper
73	100		
57	22.0	17.4	26.2

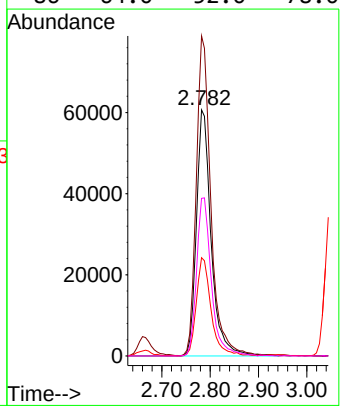


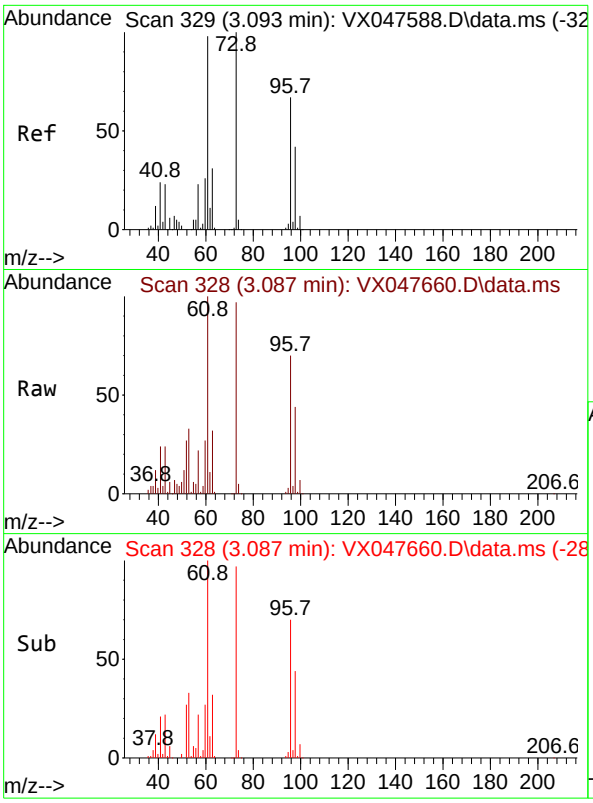


#20
Methylene Chloride
Concen: 52.090 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.006 min
Lab File: VX047660.D
Acq: 19 Sep 2025 09:22

Tgt Ion: 84 Resp: 128420

Ion	Ratio	Lower	Upper
84	100		
49	129.8	108.6	162.8
51	39.9	32.6	48.8
86	64.0	52.0	78.0



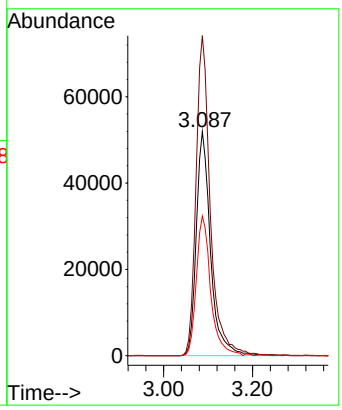


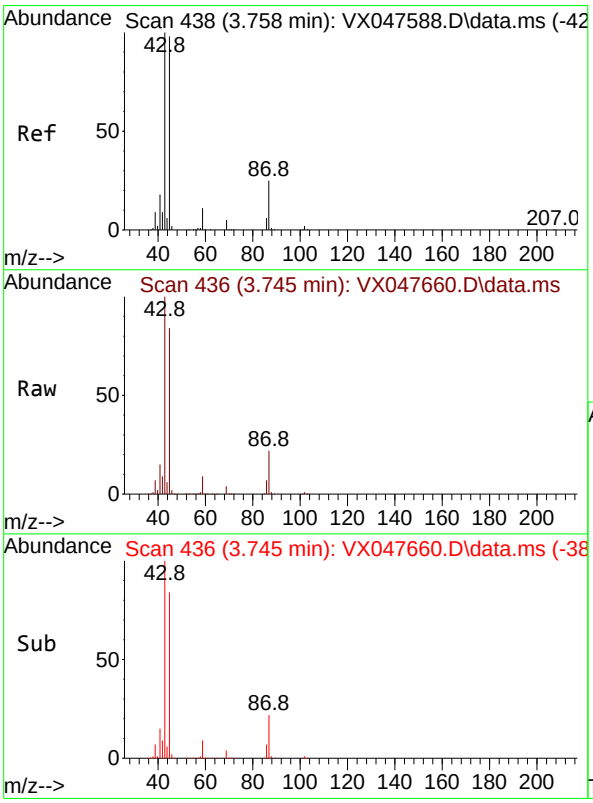
#21
trans-1,2-Dichloroethene
Concen: 53.949 ug/l
RT: 3.087 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047660.D
Acq: 19 Sep 2025 09:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 96 Resp: 116131

Ion	Ratio	Lower	Upper
96	100		
61	142.7	116.2	174.2
98	62.3	49.3	73.9

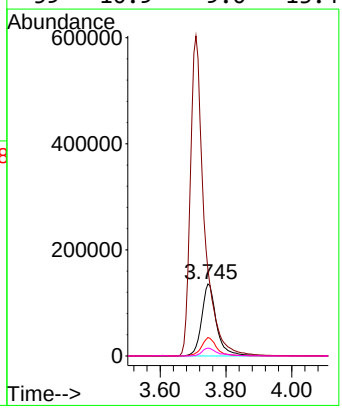


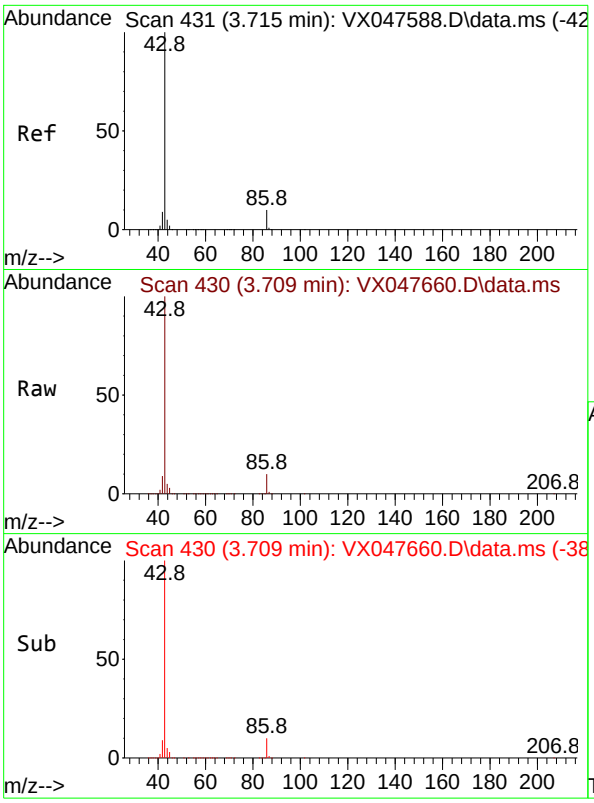


#22
Diisopropyl ether
Concen: 53.122 ug/l
RT: 3.745 min Scan# 436
Delta R.T. -0.012 min
Lab File: VX047660.D
Acq: 19 Sep 2025 09:22

Tgt Ion: 45 Resp: 424760

Ion	Ratio	Lower	Upper
45	100		
43	118.6	81.0	121.4
87	25.6	20.3	30.5
59	10.9	9.0	13.4



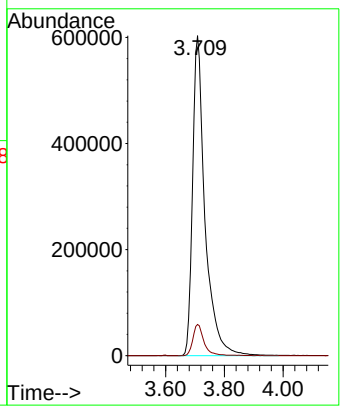


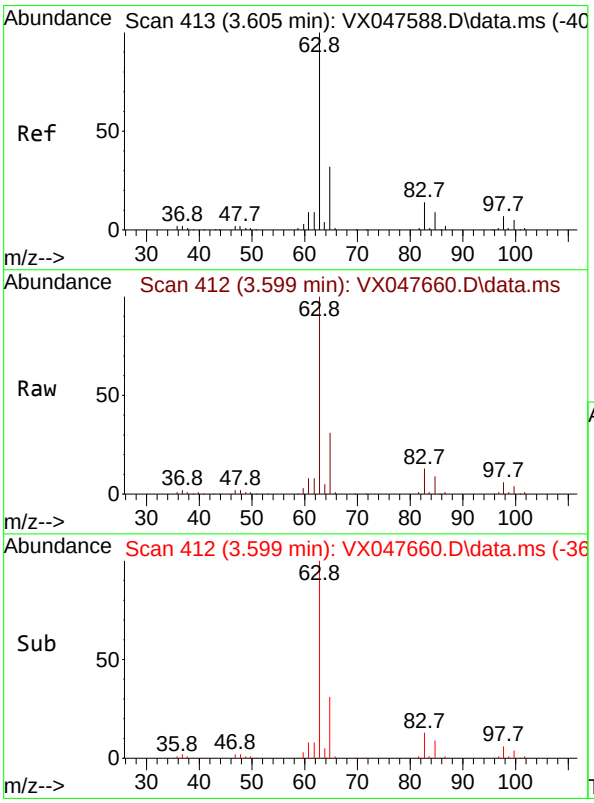
#23
Vinyl Acetate
Concen: 277.456 ug/l
RT: 3.709 min Scan# 4
Delta R.T. -0.006 min
Lab File: VX047660.D
Acq: 19 Sep 2025 09:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 1775588

Ion	Ratio	Lower	Upper
43	100		
86	9.7	7.8	11.8

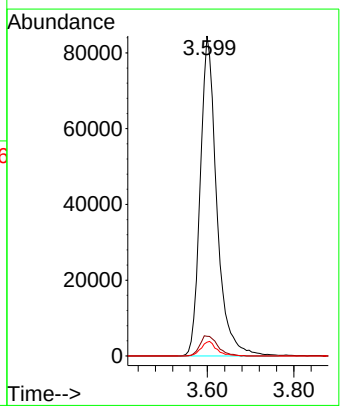


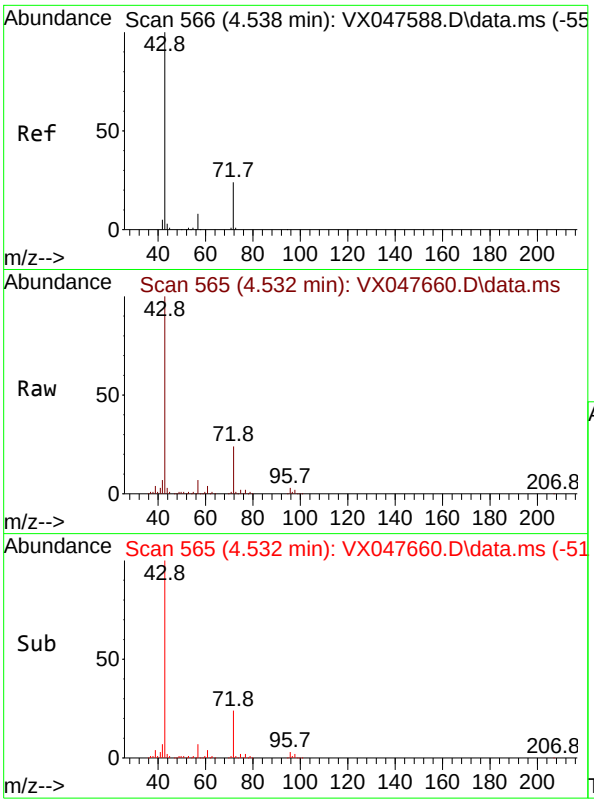


#24
1,1-Dichloroethane
Concen: 52.689 ug/l
RT: 3.599 min Scan# 412
Delta R.T. -0.006 min
Lab File: VX047660.D
Acq: 19 Sep 2025 09:22

Tgt Ion: 63 Resp: 223923

Ion	Ratio	Lower	Upper
63	100		
98	6.2	3.8	11.2
100	4.3	2.3	6.9



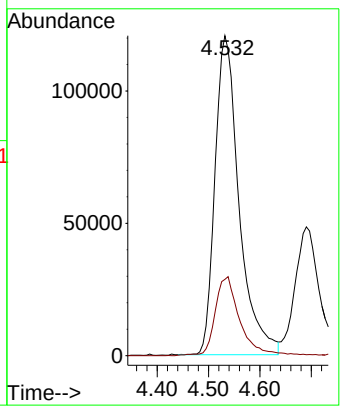


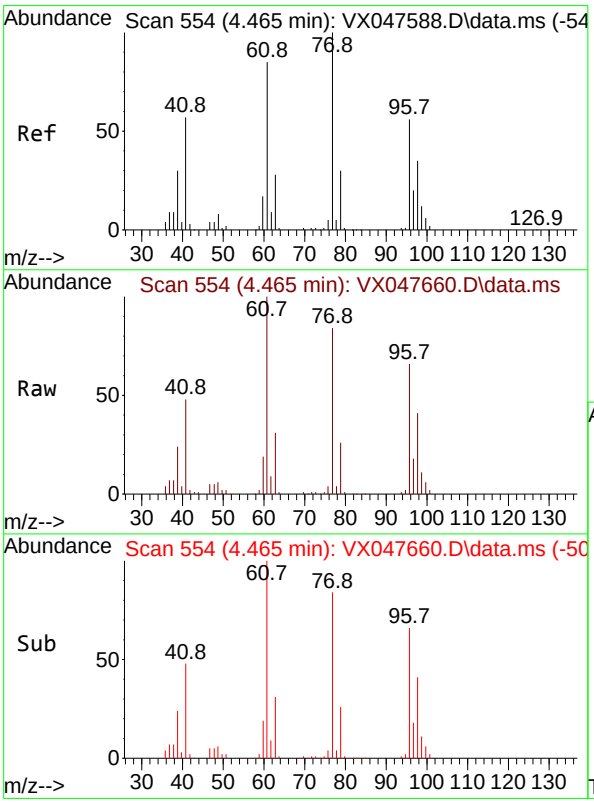
#25
2-Butanone
Concen: 270.370 ug/l
RT: 4.532 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX047660.D
Acq: 19 Sep 2025 09:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 392796

Ion	Ratio	Lower	Upper
43	100		
72	23.8	20.1	30.1

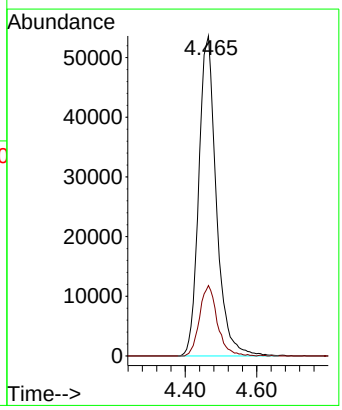


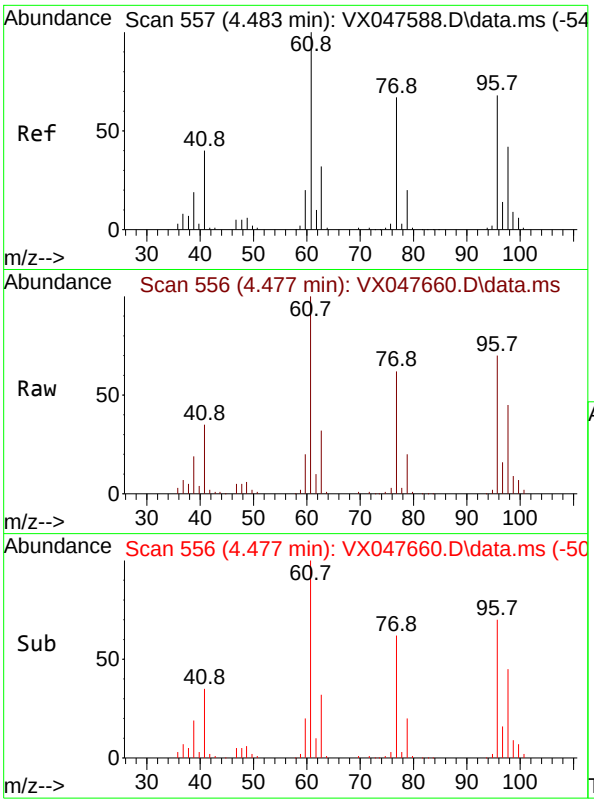


#26
2,2-Dichloropropane
Concen: 51.709 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.000 min
Lab File: VX047660.D
Acq: 19 Sep 2025 09:22

Tgt Ion: 77 Resp: 182677

Ion	Ratio	Lower	Upper
77	100		
97	22.2	10.9	32.7



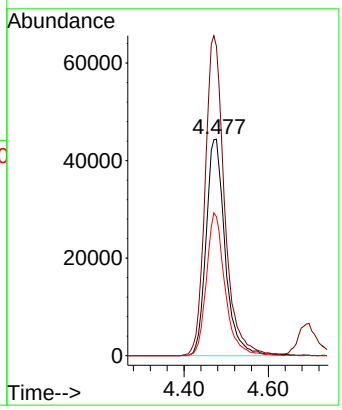


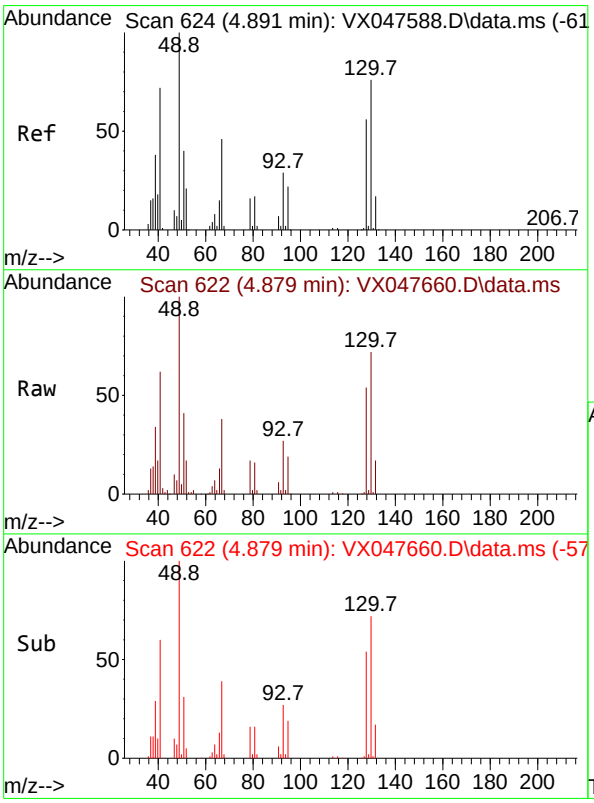
#27
cis-1,2-Dichloroethene
Concen: 52.862 ug/l
RT: 4.477 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX047660.D
Acq: 19 Sep 2025 09:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 96 Resp: 139356

Ion	Ratio	Lower	Upper
96	100		
61	150.1	0.0	303.2
98	64.1	0.0	127.8

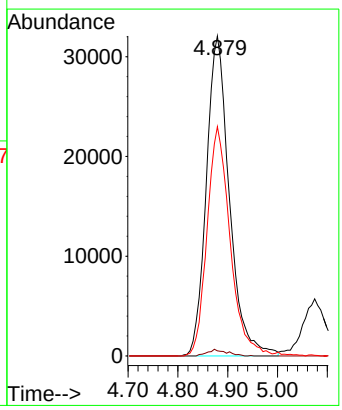


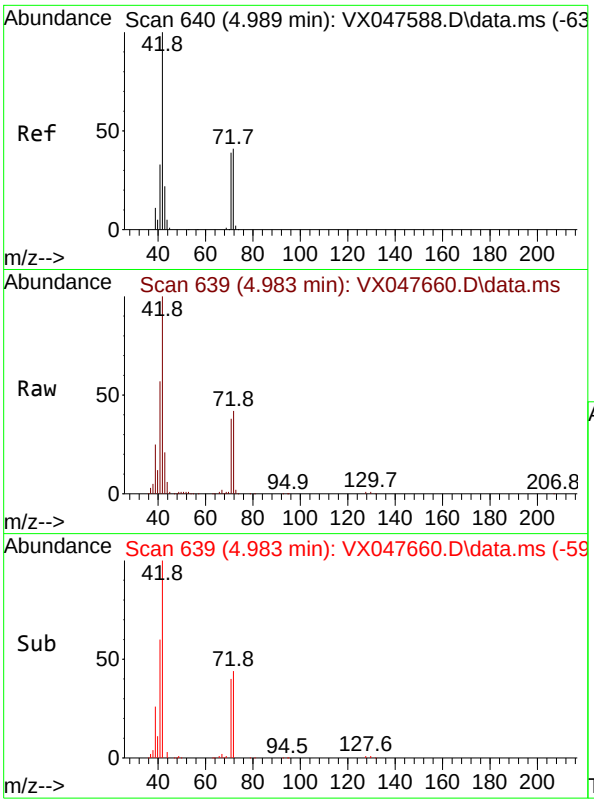


#28
Bromochloromethane
Concen: 55.493 ug/l
RT: 4.879 min Scan# 622
Delta R.T. -0.012 min
Lab File: VX047660.D
Acq: 19 Sep 2025 09:22

Tgt Ion: 49 Resp: 102961

Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.2
130	71.6	57.8	86.8



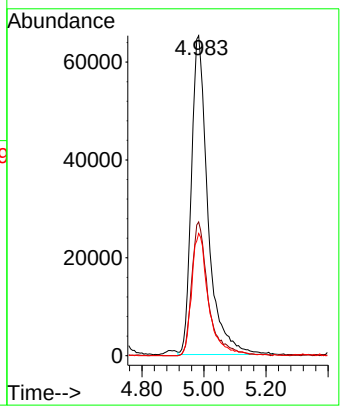


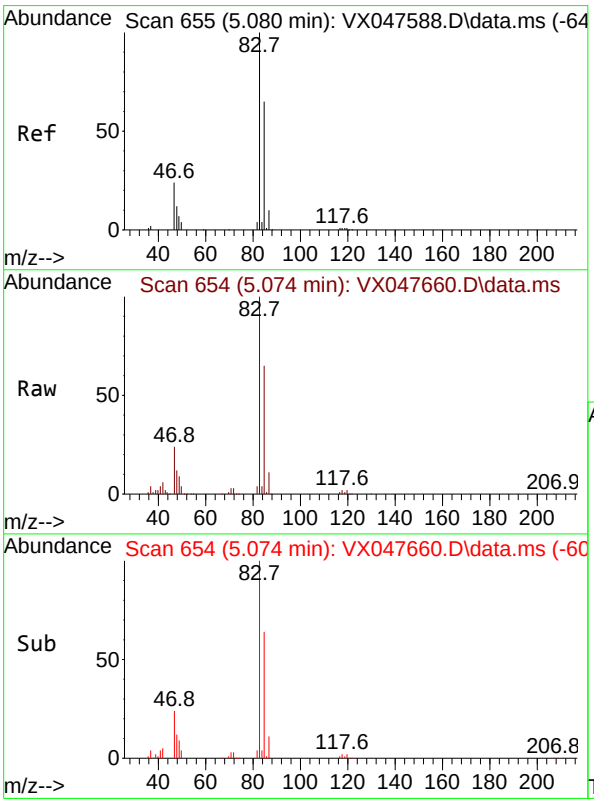
#29
Tetrahydrofuran
Concen: 275.412 ug/l
RT: 4.983 min Scan# 6
Delta R.T. -0.006 min
Lab File: VX047660.D
Acq: 19 Sep 2025 09:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 42 Resp: 240704

Ion	Ratio	Lower	Upper
42	100		
72	42.3	34.2	51.2
71	39.3	31.9	47.9

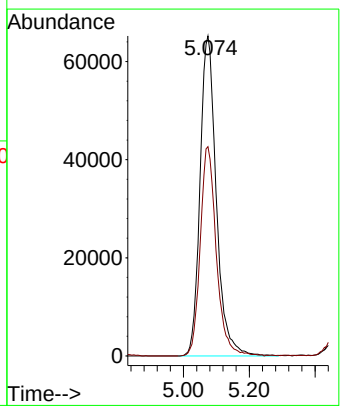


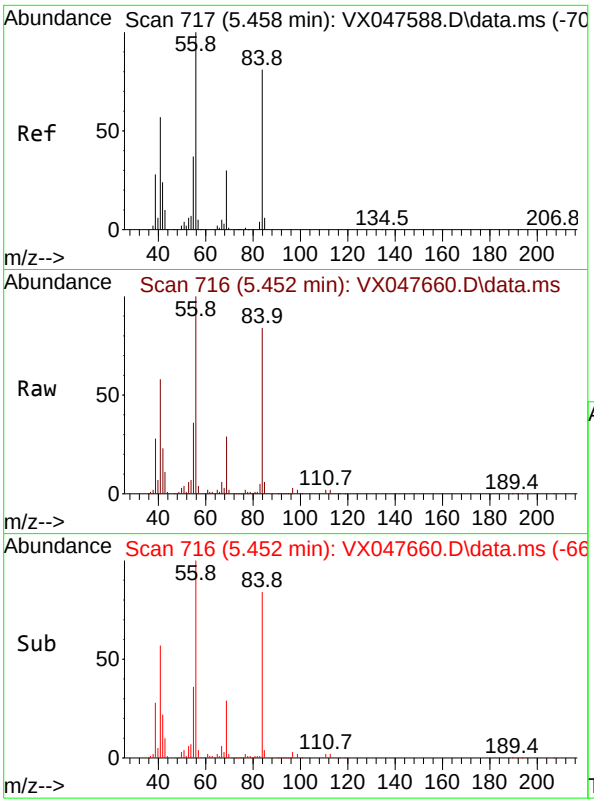


#30
Chloroform
Concen: 52.250 ug/l
RT: 5.074 min Scan# 654
Delta R.T. -0.006 min
Lab File: VX047660.D
Acq: 19 Sep 2025 09:22

Tgt Ion: 83 Resp: 224397

Ion	Ratio	Lower	Upper
83	100		
85	65.4	51.8	77.6



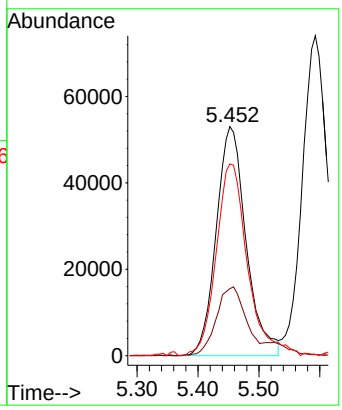


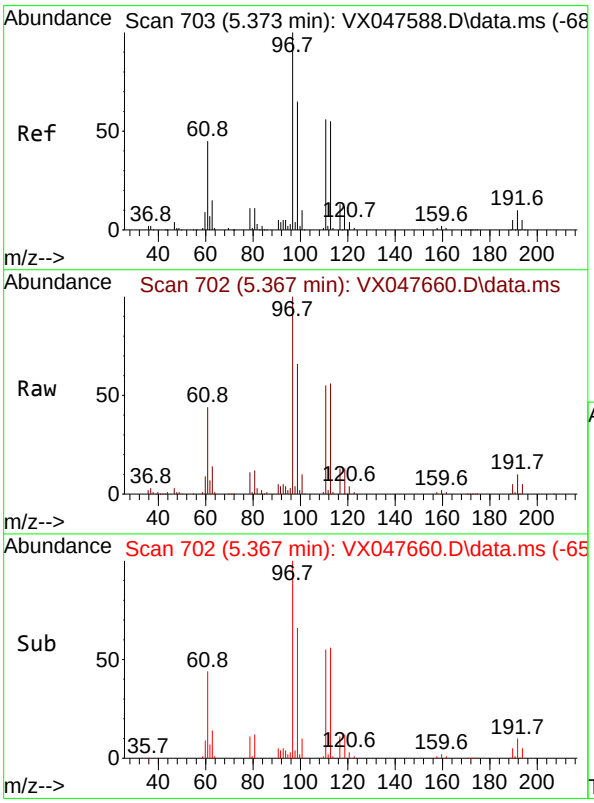
#31
Cyclohexane
Concen: 50.989 ug/l
RT: 5.452 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047660.D
Acq: 19 Sep 2025 09:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 56 Resp: 180483

Ion	Ratio	Lower	Upper
56	100		
69	28.8	23.8	35.8
84	83.5	64.6	97.0

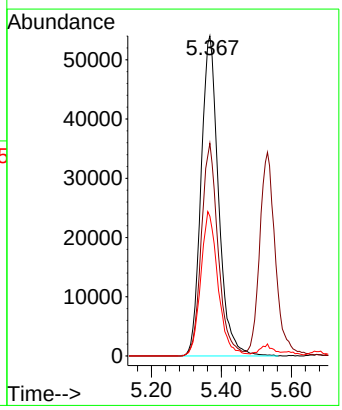


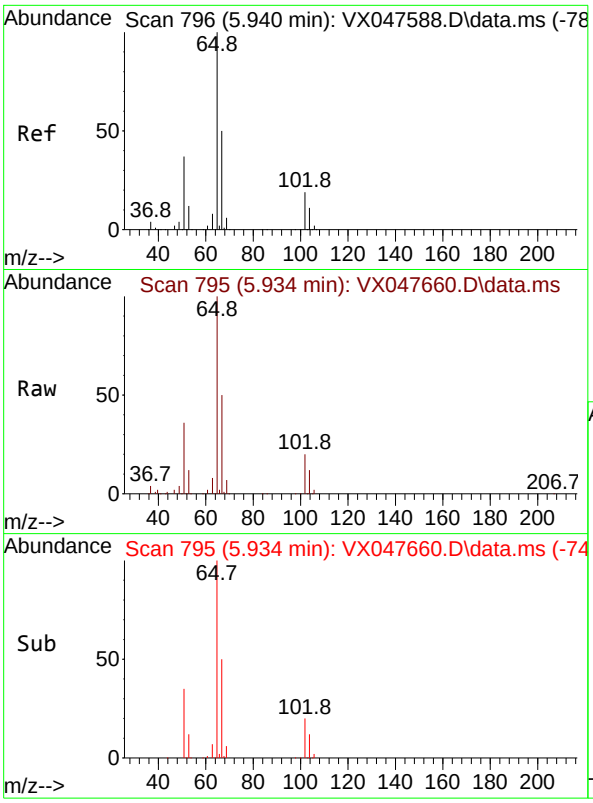


#32
1,1,1-Trichloroethane
Concen: 51.405 ug/l
RT: 5.367 min Scan# 702
Delta R.T. -0.006 min
Lab File: VX047660.D
Acq: 19 Sep 2025 09:22

Tgt Ion: 97 Resp: 187258

Ion	Ratio	Lower	Upper
97	100		
99	63.9	50.6	76.0
61	44.8	35.8	53.8



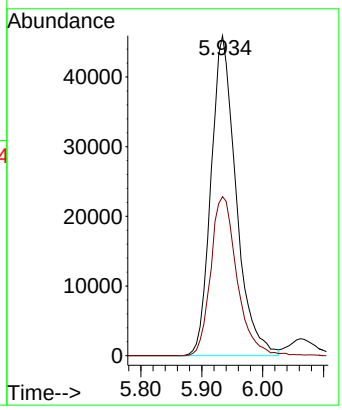


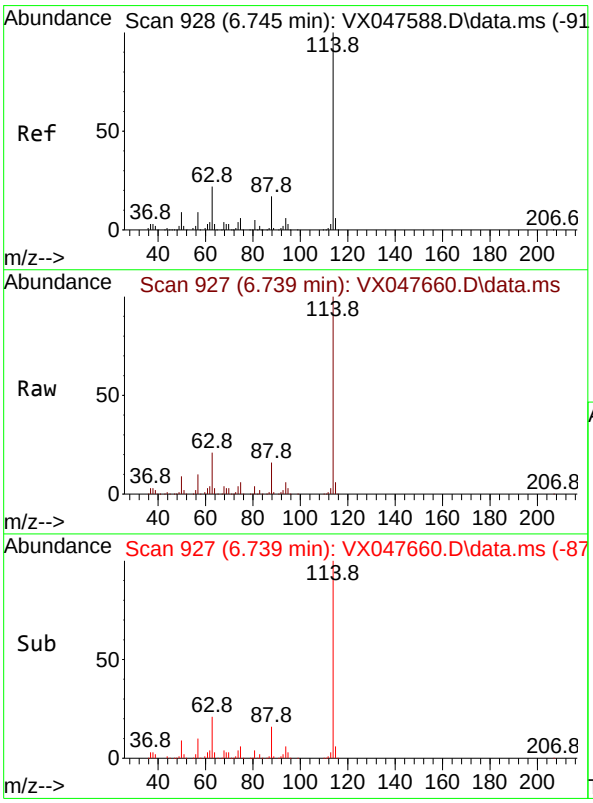
#33
1,2-Dichloroethane-d4
Concen: 48.921 ug/l
RT: 5.934 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047660.D
Acq: 19 Sep 2025 09:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 65 Resp: 131043

Ion	Ratio	Lower	Upper
65	100		
67	52.3	0.0	103.0

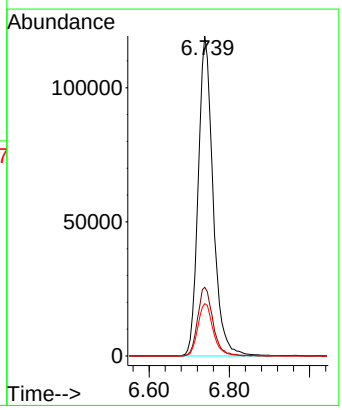


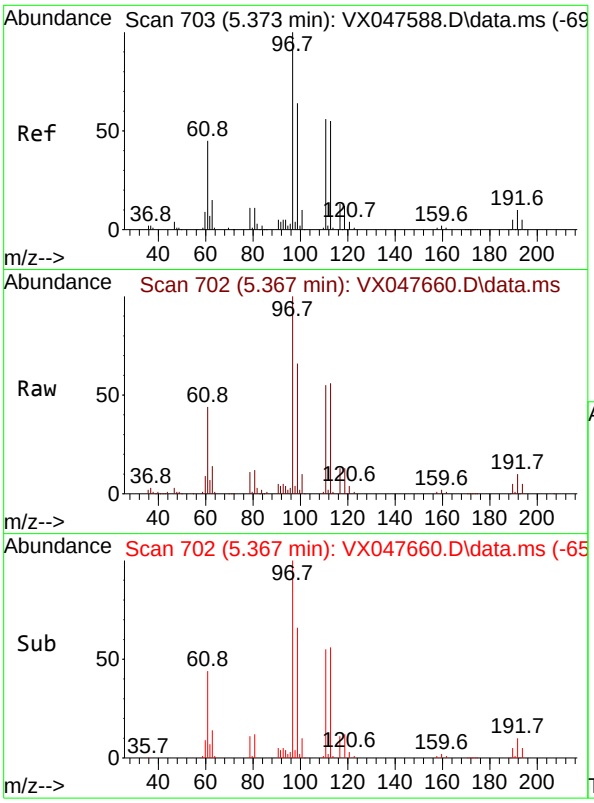


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.739 min Scan# 927
Delta R.T. -0.006 min
Lab File: VX047660.D
Acq: 19 Sep 2025 09:22

Tgt Ion:114 Resp: 306730

Ion	Ratio	Lower	Upper
114	100		
63	21.4	0.0	44.0
88	16.4	0.0	34.2



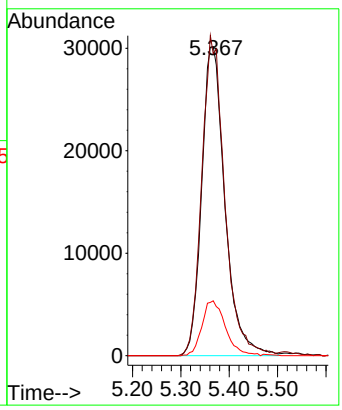


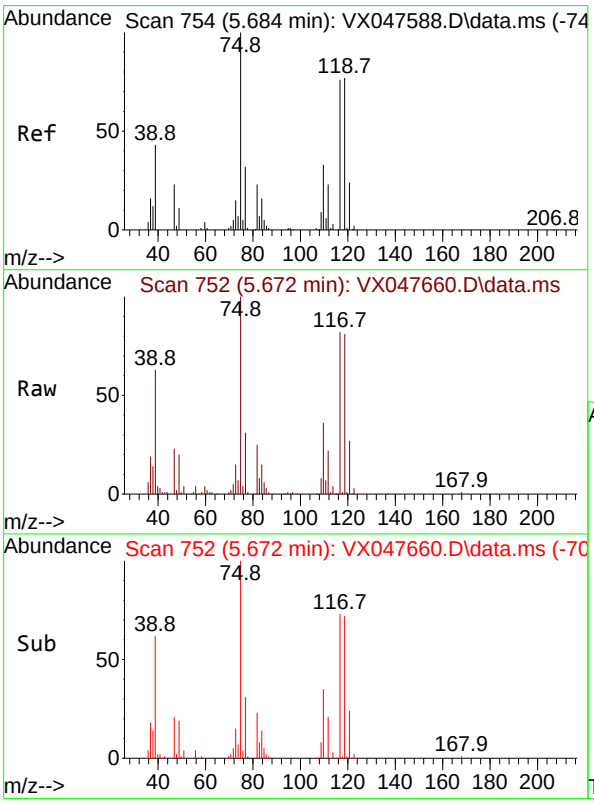
#35
Dibromofluoromethane
Concen: 48.985 ug/l
RT: 5.367 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047660.D
Acq: 19 Sep 2025 09:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:113 Resp: 100766

Ion	Ratio	Lower	Upper
113	100		
111	101.9	80.9	121.3
192	17.9	14.2	21.4

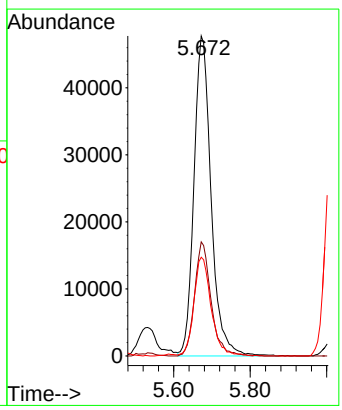


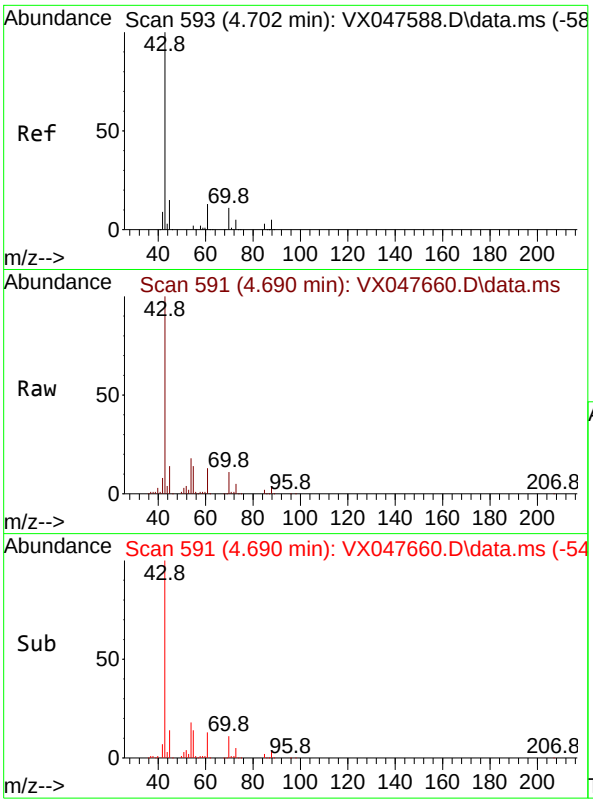


#36
1,1-Dichloropropene
Concen: 49.472 ug/l
RT: 5.672 min Scan# 752
Delta R.T. -0.012 min
Lab File: VX047660.D
Acq: 19 Sep 2025 09:22

Tgt Ion: 75 Resp: 148709

Ion	Ratio	Lower	Upper
75	100		
110	34.2	16.7	50.1
77	31.1	24.3	36.5



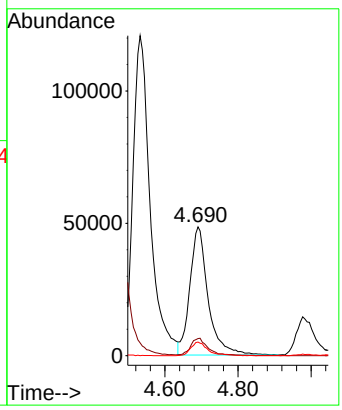


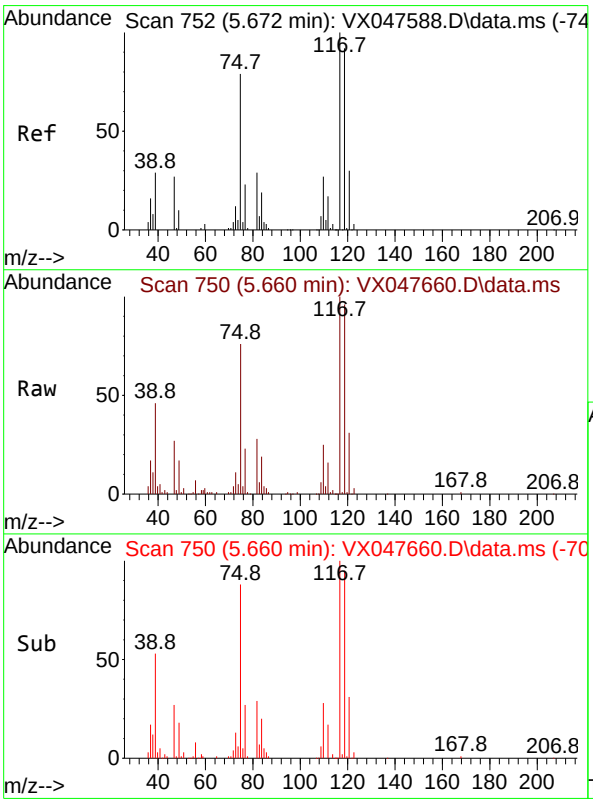
#37
Ethyl Acetate
Concen: 52.177 ug/l
RT: 4.690 min Scan# 5
Delta R.T. -0.012 min
Lab File: VX047660.D
Acq: 19 Sep 2025 09:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 167930

Ion	Ratio	Lower	Upper
43	100		
61	13.5	9.8	14.8
70	9.9	7.9	11.9

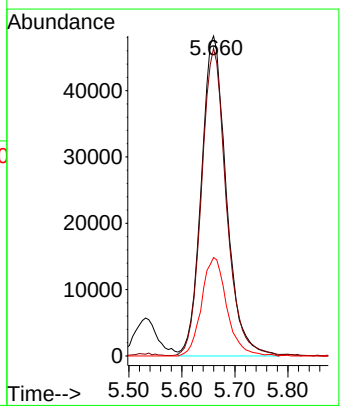


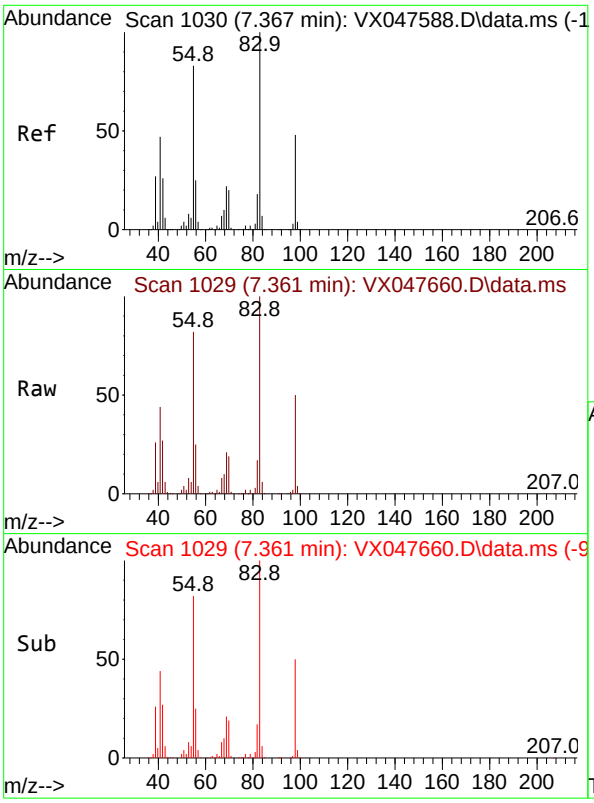


#38
Carbon Tetrachloride
Concen: 48.399 ug/l
RT: 5.660 min Scan# 750
Delta R.T. -0.012 min
Lab File: VX047660.D
Acq: 19 Sep 2025 09:22

Tgt Ion:117 Resp: 158068

Ion	Ratio	Lower	Upper
117	100		
119	95.7	73.4	110.2
121	30.7	23.8	35.6



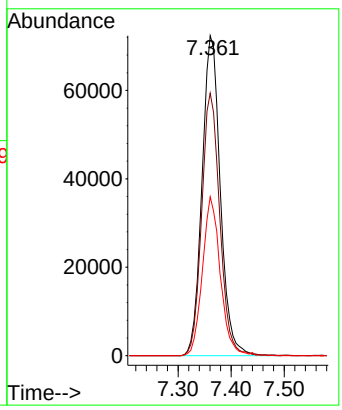


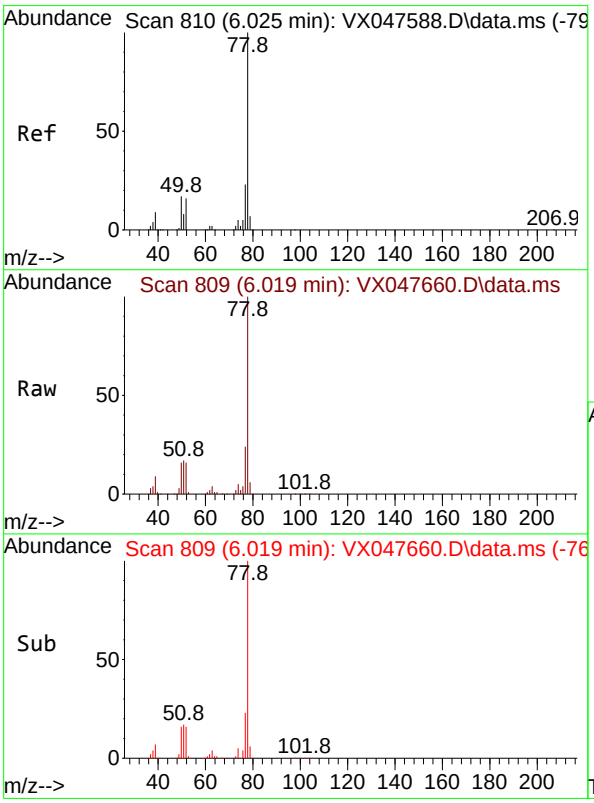
#39
Methylcyclohexane
Concen: 50.798 ug/l
RT: 7.361 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047660.D
Acq: 19 Sep 2025 09:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 173329

Ion	Ratio	Lower	Upper
83	100		
55	82.0	66.4	99.6
98	49.6	38.1	57.1

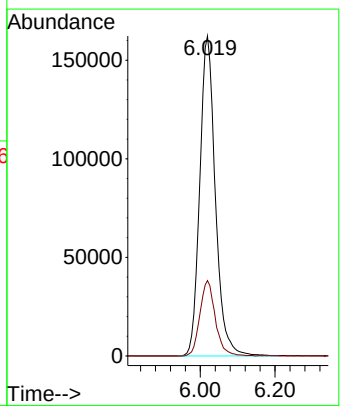


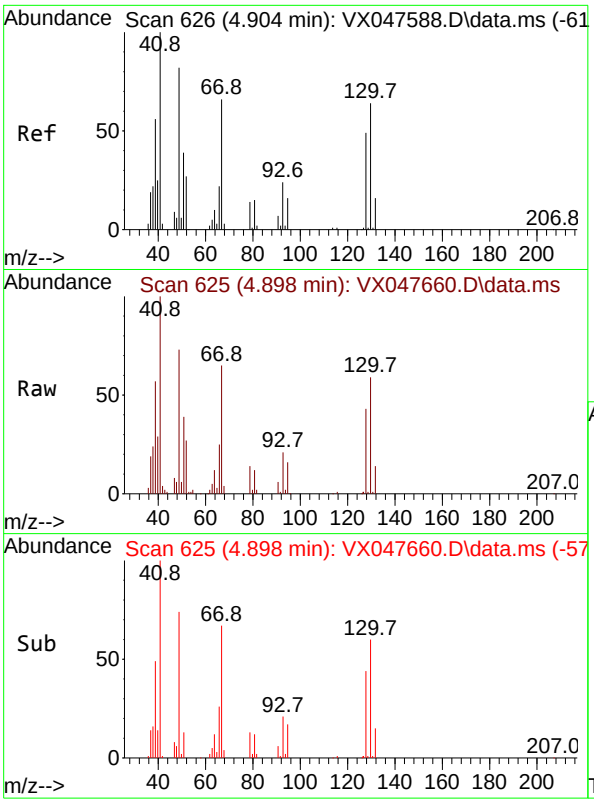


#40
Benzene
Concen: 51.478 ug/l
RT: 6.019 min Scan# 809
Delta R.T. -0.006 min
Lab File: VX047660.D
Acq: 19 Sep 2025 09:22

Tgt Ion: 78 Resp: 469978

Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.8	28.2



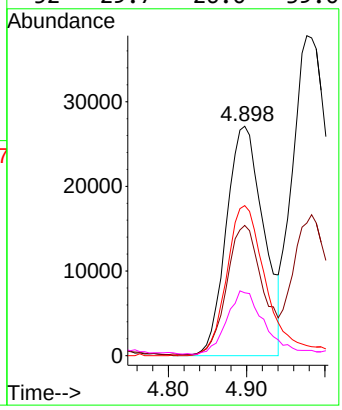


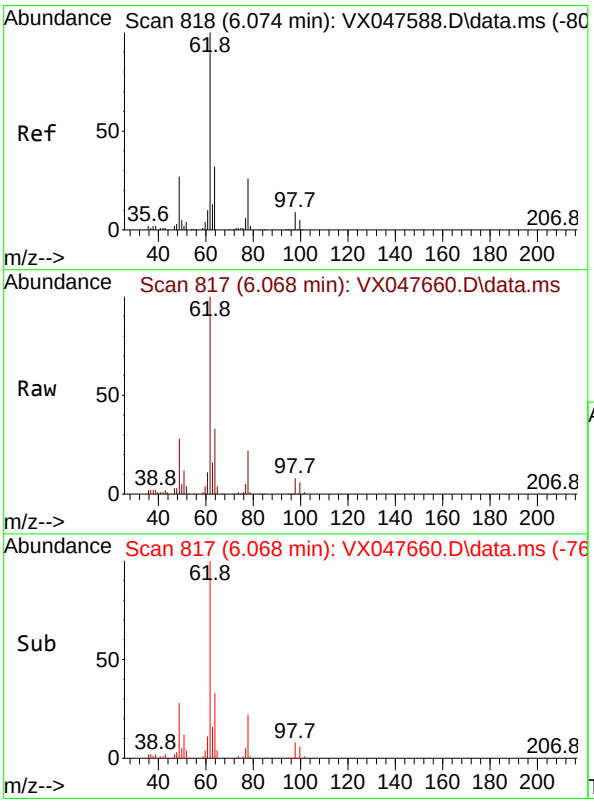
#41
Methacrylonitrile
Concen: 54.019 ug/l
RT: 4.898 min Scan# 6
Delta R.T. -0.006 min
Lab File: VX047660.D
Acq: 19 Sep 2025 09:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 41 Resp: 89756

Ion	Ratio	Lower	Upper
41	100		
39	54.0	43.3	64.9
67	70.9	58.6	87.8
52	29.7	26.0	39.0

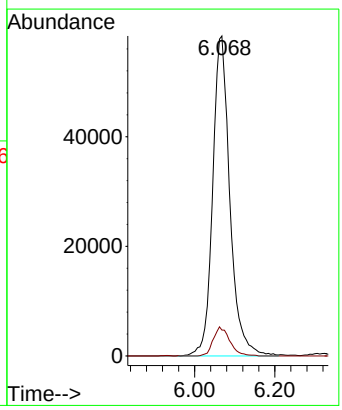


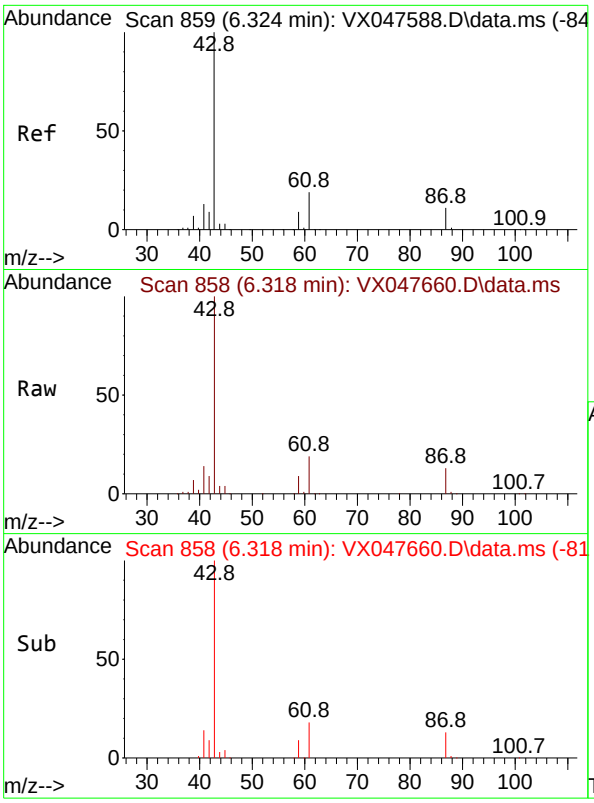


#42
1,2-Dichloroethane
Concen: 50.041 ug/l
RT: 6.068 min Scan# 817
Delta R.T. -0.006 min
Lab File: VX047660.D
Acq: 19 Sep 2025 09:22

Tgt Ion: 62 Resp: 173829

Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	17.0



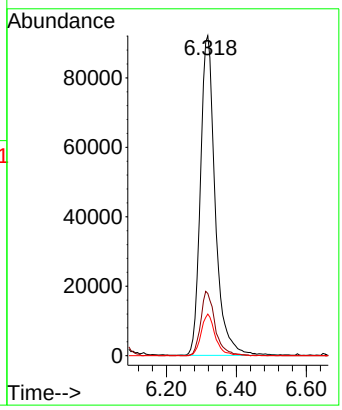


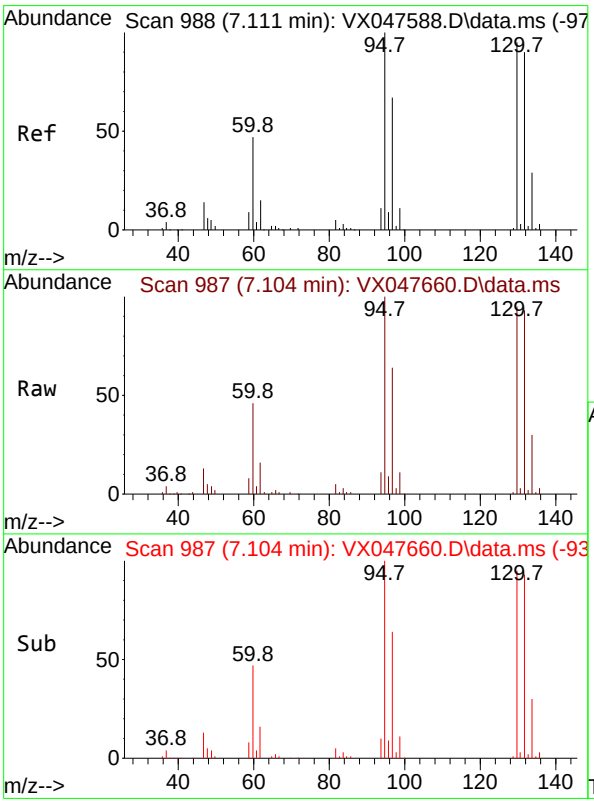
#43
Isopropyl Acetate
Concen: 51.124 ug/l
RT: 6.318 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX047660.D
Acq: 19 Sep 2025 09:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 269858

Ion	Ratio	Lower	Upper
43	100		
61	19.6	15.2	22.8
87	12.5	9.6	14.4

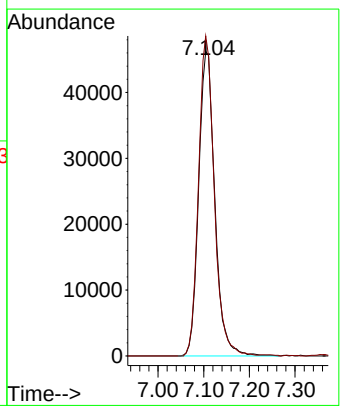


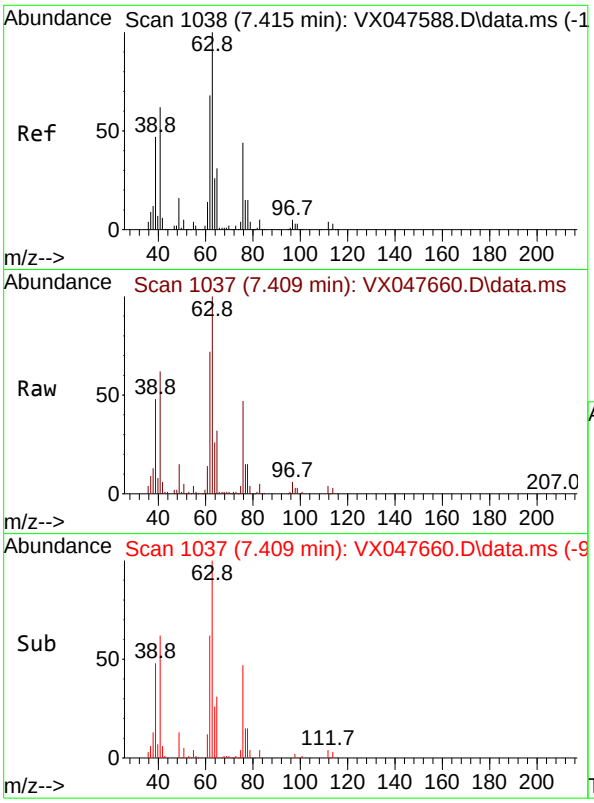


#44
Trichloroethene
Concen: 51.491 ug/l
RT: 7.104 min Scan# 987
Delta R.T. -0.006 min
Lab File: VX047660.D
Acq: 19 Sep 2025 09:22

Tgt Ion:130 Resp: 113653

Ion	Ratio	Lower	Upper
130	100		
95	105.1	0.0	210.8



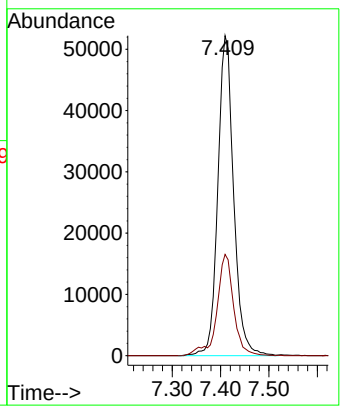


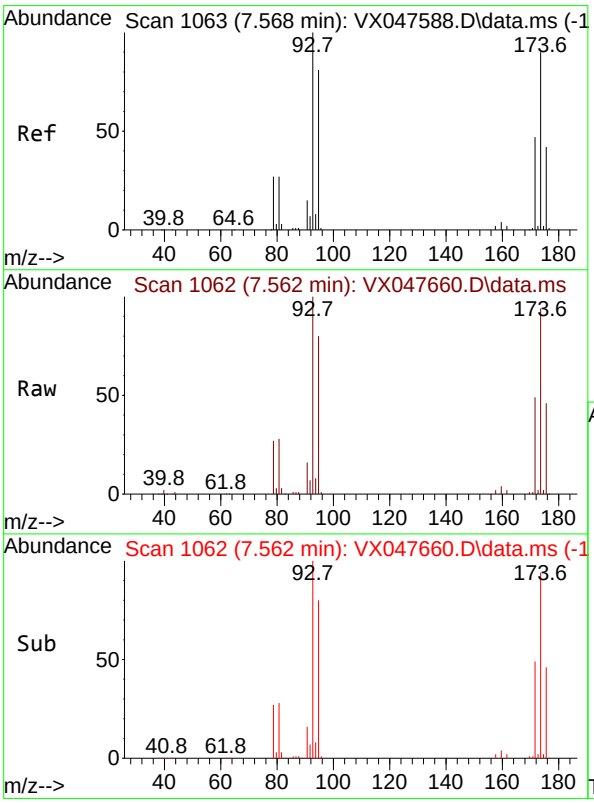
#45
1,2-Dichloropropane
Concen: 50.706 ug/l
RT: 7.409 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047660.D
Acq: 19 Sep 2025 09:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 63 Resp: 118540

Ion	Ratio	Lower	Upper
63	100		
65	31.6	24.7	37.1

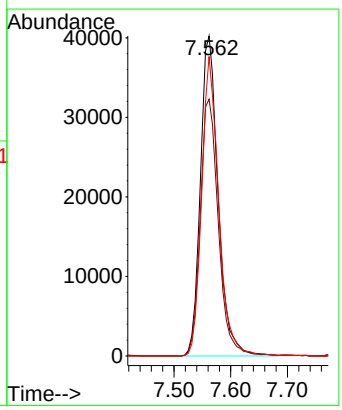


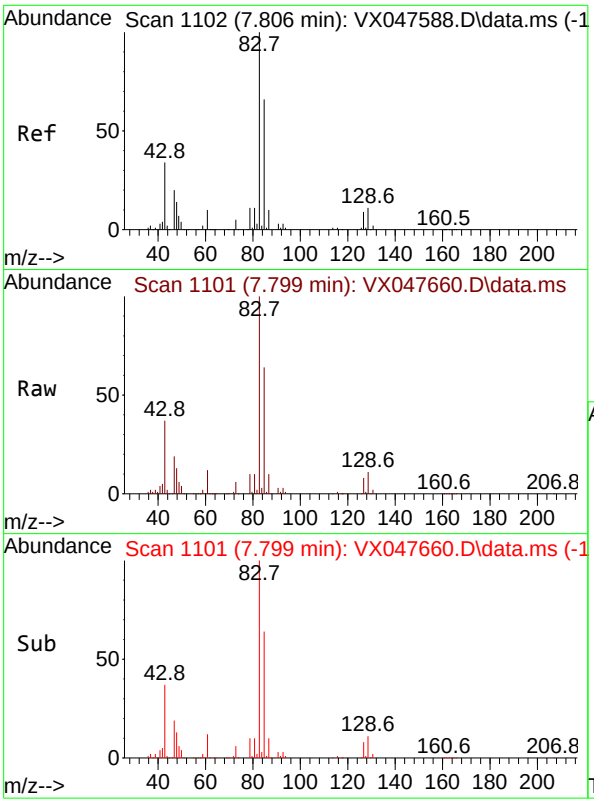


#46
Dibromomethane
Concen: 51.314 ug/l
RT: 7.562 min Scan# 1062
Delta R.T. -0.006 min
Lab File: VX047660.D
Acq: 19 Sep 2025 09:22

Tgt Ion: 93 Resp: 87295

Ion	Ratio	Lower	Upper
93	100		
95	82.0	65.0	97.6
174	90.0	71.6	107.4



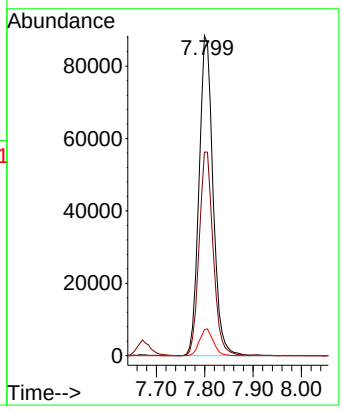


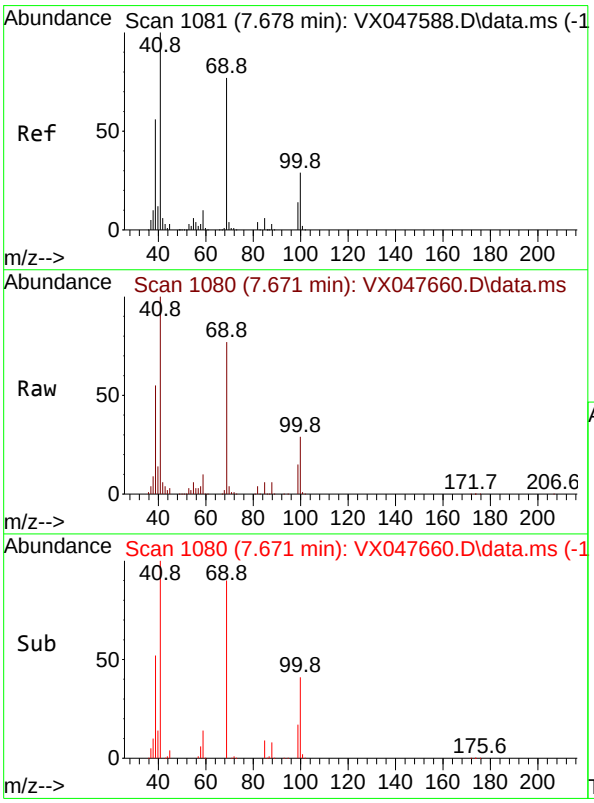
#47
Bromodichloromethane
Concen: 50.681 ug/l
RT: 7.799 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX047660.D
Acq: 19 Sep 2025 09:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 177916

Ion	Ratio	Lower	Upper
83	100		
85	63.6	52.5	78.7
127	8.2	6.9	10.3

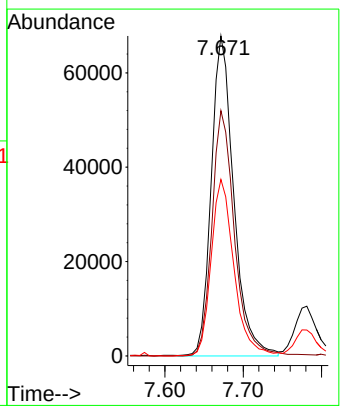


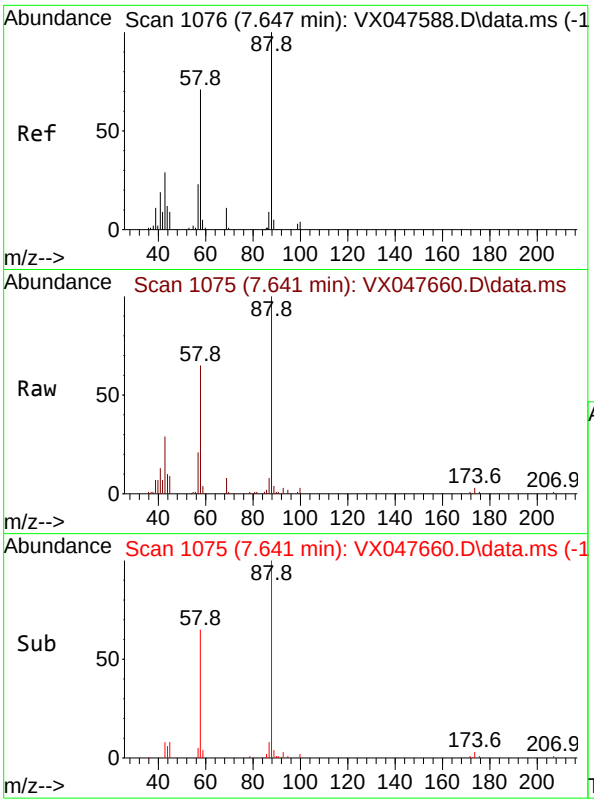


#48
Methyl methacrylate
Concen: 51.542 ug/l
RT: 7.671 min Scan# 1080
Delta R.T. -0.006 min
Lab File: VX047660.D
Acq: 19 Sep 2025 09:22

Tgt Ion: 41 Resp: 135518

Ion	Ratio	Lower	Upper
41	100		
69	77.2	61.4	92.2
39	55.7	45.8	68.6



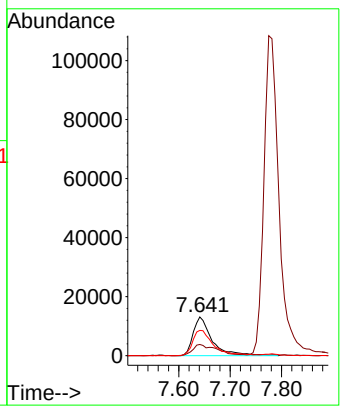


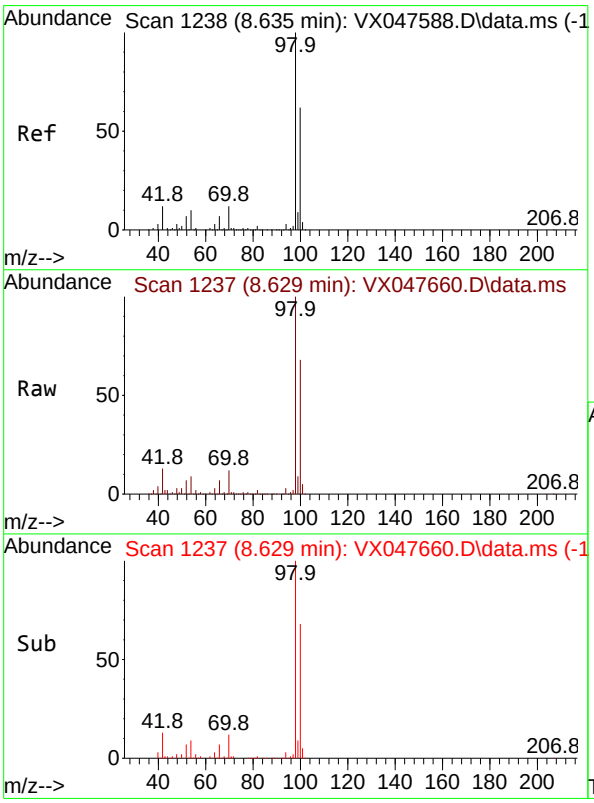
#49
1,4-Dioxane
Concen: 1265.071 ug/l
RT: 7.641 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047660.D
Acq: 19 Sep 2025 09:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 88 Resp: 33615

Ion	Ratio	Lower	Upper
88	100		
43	37.3	30.2	45.2
58	72.3	59.5	89.3

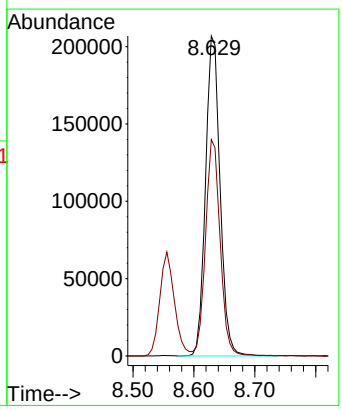


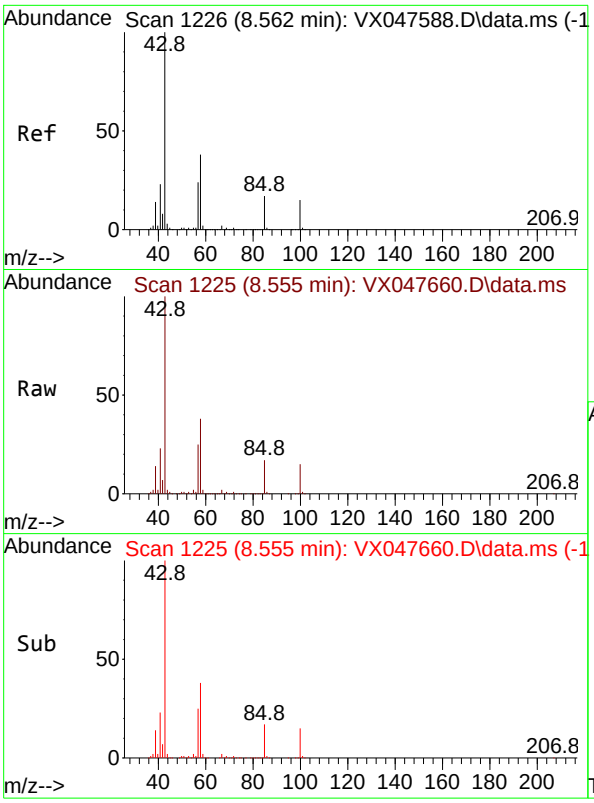


#50
Toluene-d8
Concen: 48.346 ug/l
RT: 8.629 min Scan# 1237
Delta R.T. -0.006 min
Lab File: VX047660.D
Acq: 19 Sep 2025 09:22

Tgt Ion: 98 Resp: 344123

Ion	Ratio	Lower	Upper
98	100		
100	67.6	53.0	79.4



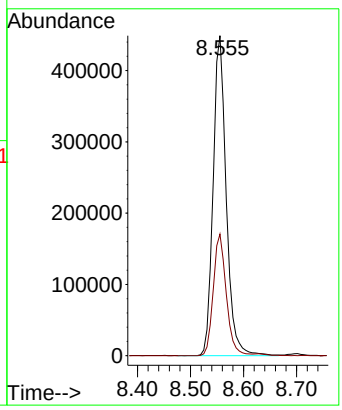


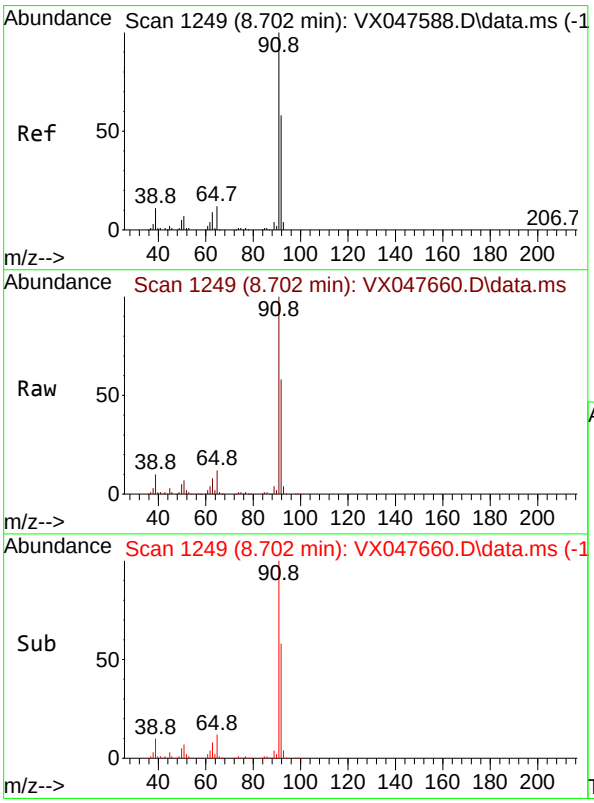
#51
4-Methyl-2-Pentanone
Concen: 263.992 ug/l
RT: 8.555 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047660.D
Acq: 19 Sep 2025 09:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 772605

Ion	Ratio	Lower	Upper
43	100		
58	37.6	30.3	45.5

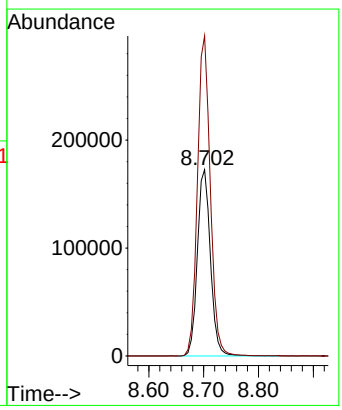


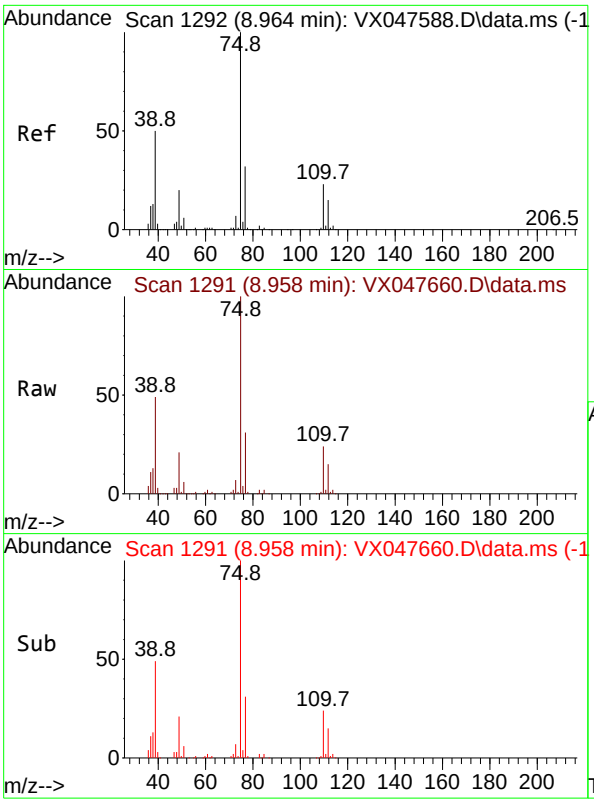


#52
Toluene
Concen: 50.732 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX047660.D
Acq: 19 Sep 2025 09:22

Tgt Ion: 92 Resp: 285358

Ion	Ratio	Lower	Upper
92	100		
91	169.5	137.1	205.7



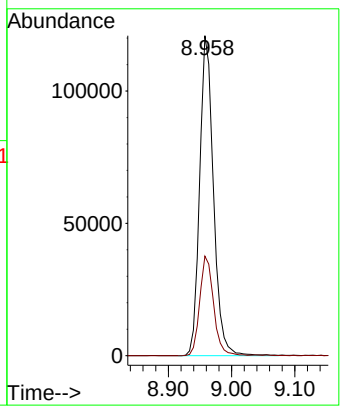


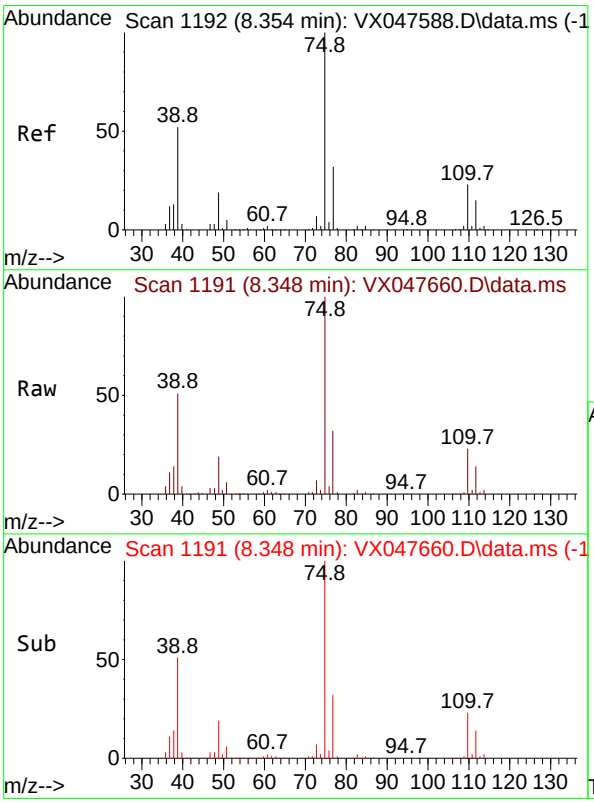
#53
t-1,3-Dichloropropene
Concen: 51.420 ug/l
RT: 8.958 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047660.D
Acq: 19 Sep 2025 09:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 184125

Ion	Ratio	Lower	Upper
75	100		
77	31.1	25.4	38.2

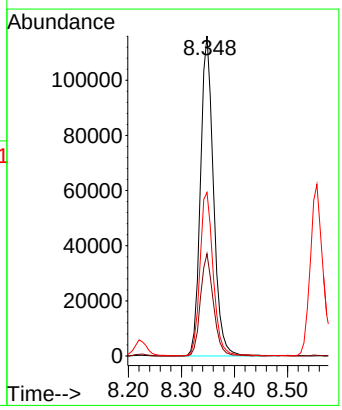


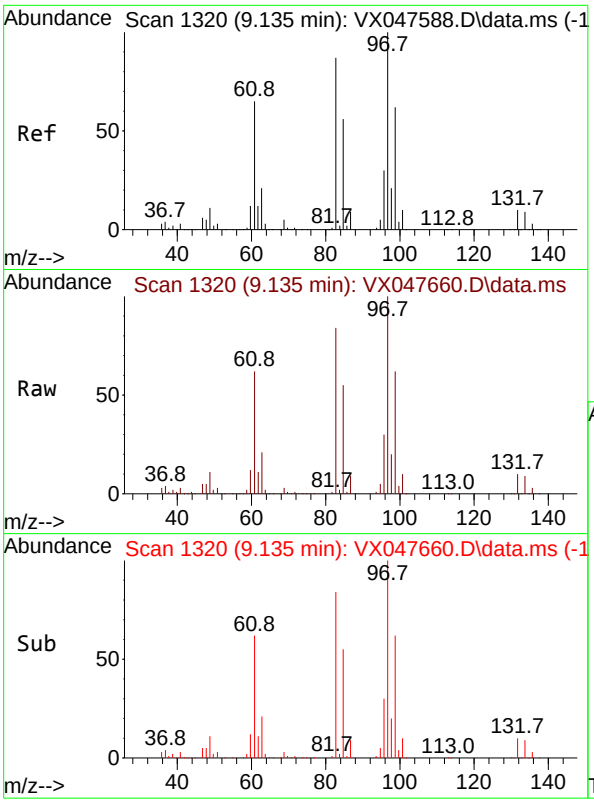


#54
cis-1,3-Dichloropropene
Concen: 51.767 ug/l
RT: 8.348 min Scan# 1191
Delta R.T. -0.006 min
Lab File: VX047660.D
Acq: 19 Sep 2025 09:22

Tgt Ion: 75 Resp: 198129

Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.8	38.6
39	51.0	41.4	62.2



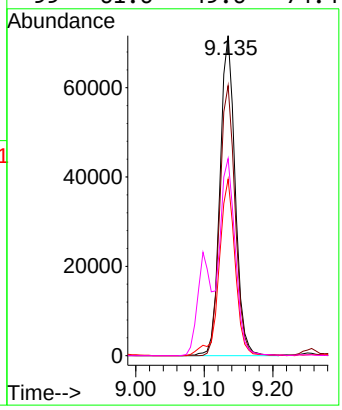


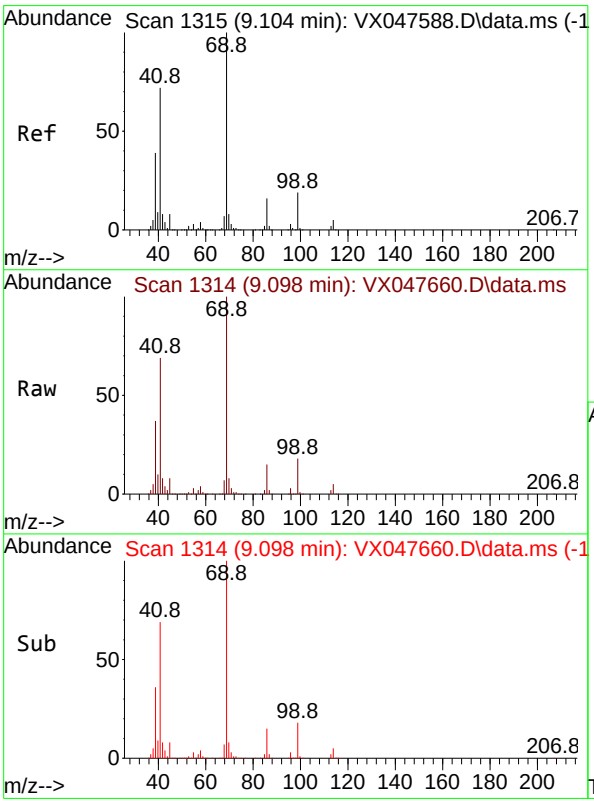
#55
1,1,2-Trichloroethane
Concen: 50.755 ug/l
RT: 9.135 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047660.D
Acq: 19 Sep 2025 09:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 97 Resp: 110081

Ion	Ratio	Lower	Upper
97	100		
83	84.4	69.6	104.4
85	55.2	45.0	67.6
99	61.6	49.6	74.4

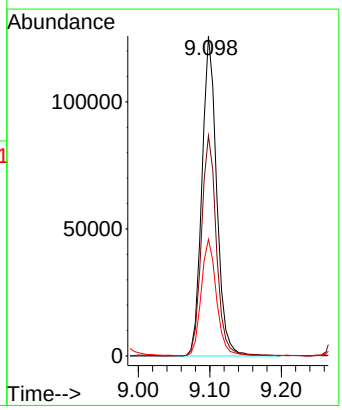


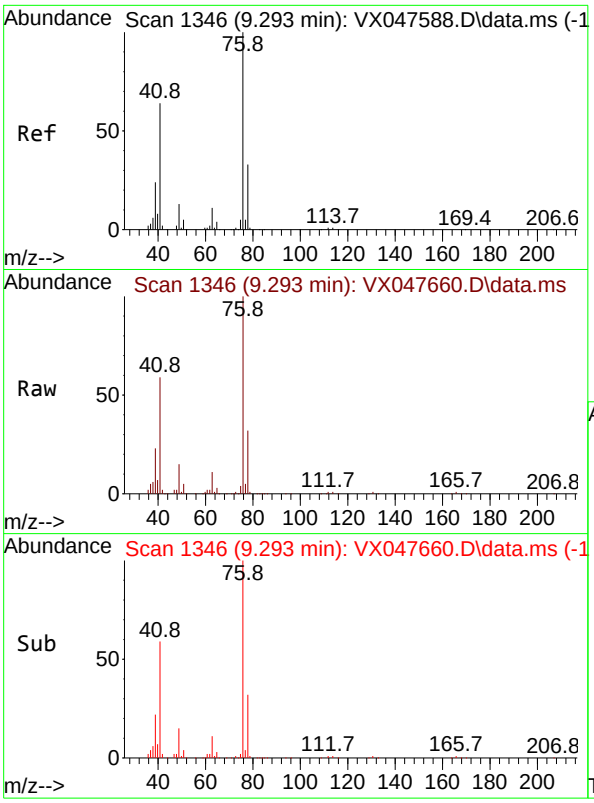


#56
Ethyl methacrylate
Concen: 53.155 ug/l
RT: 9.098 min Scan# 1314
Delta R.T. -0.006 min
Lab File: VX047660.D
Acq: 19 Sep 2025 09:22

Tgt Ion: 69 Resp: 181056

Ion	Ratio	Lower	Upper
69	100		
41	69.5	58.6	87.8
39	37.3	31.5	47.3



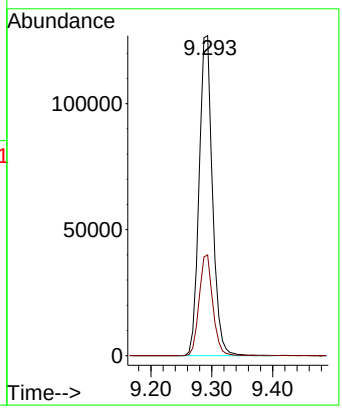


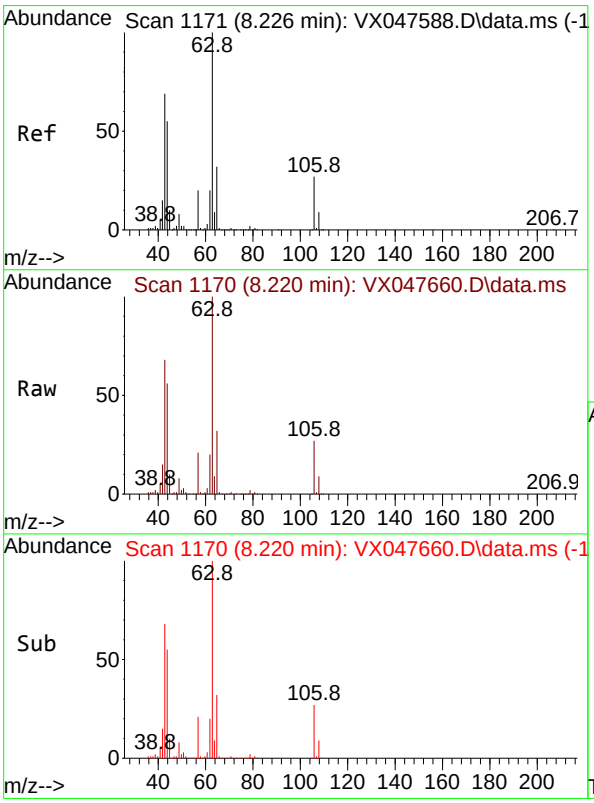
#57
1,3-Dichloropropane
Concen: 52.043 ug/l
RT: 9.293 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047660.D
Acq: 19 Sep 2025 09:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 193901

Ion	Ratio	Lower	Upper
76	100		
78	32.1	26.2	39.4

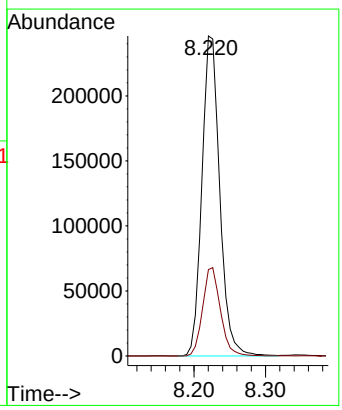


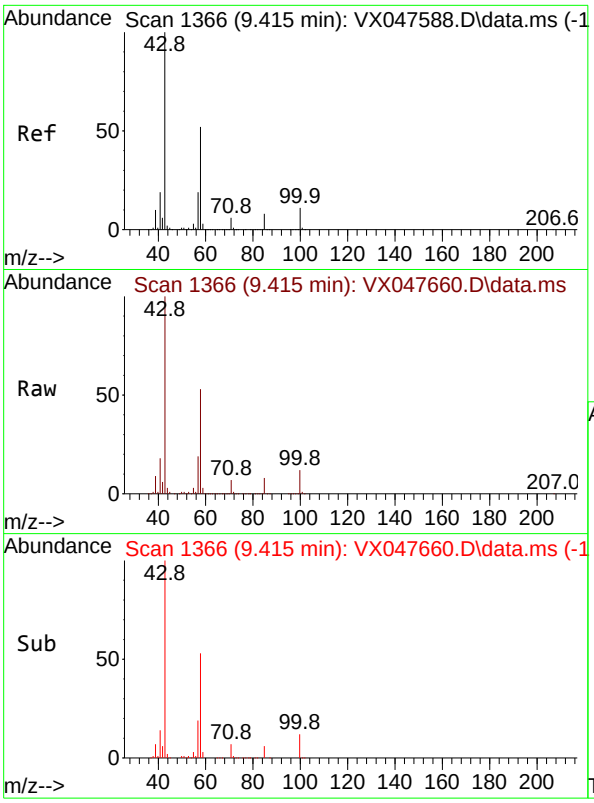


#58
2-Chloroethyl Vinyl ether
Concen: 261.332 ug/l
RT: 8.220 min Scan# 1170
Delta R.T. -0.006 min
Lab File: VX047660.D
Acq: 19 Sep 2025 09:22

Tgt Ion: 63 Resp: 426594

Ion	Ratio	Lower	Upper
63	100		
106	27.6	21.9	32.9



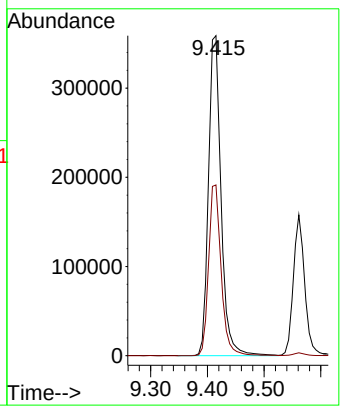


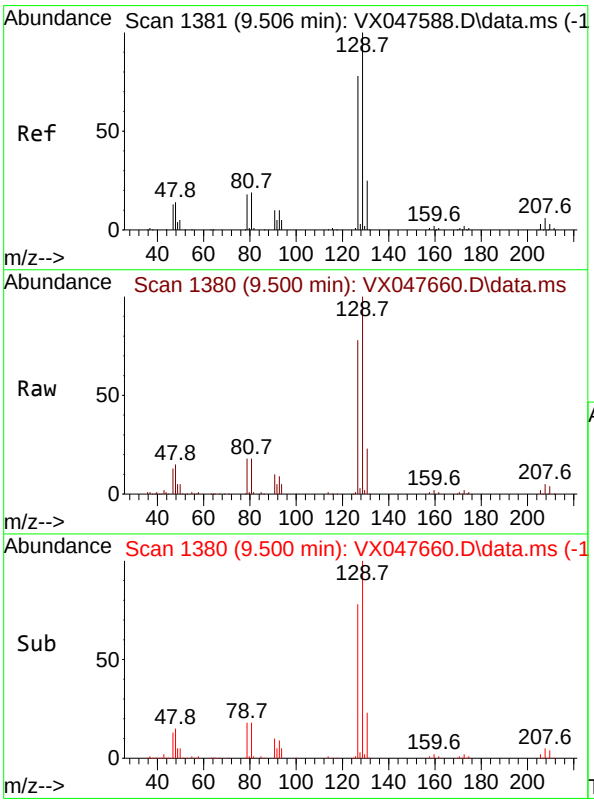
#59
2-Hexanone
Concen: 262.497 ug/l
RT: 9.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047660.D
Acq: 19 Sep 2025 09:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 551745

Ion	Ratio	Lower	Upper
43	100		
58	53.3	26.1	78.2

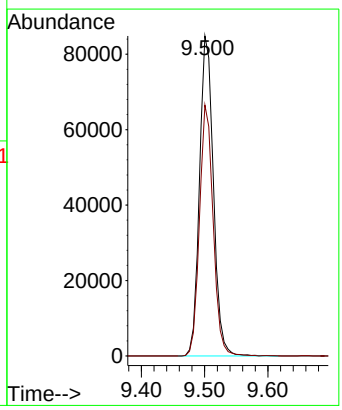


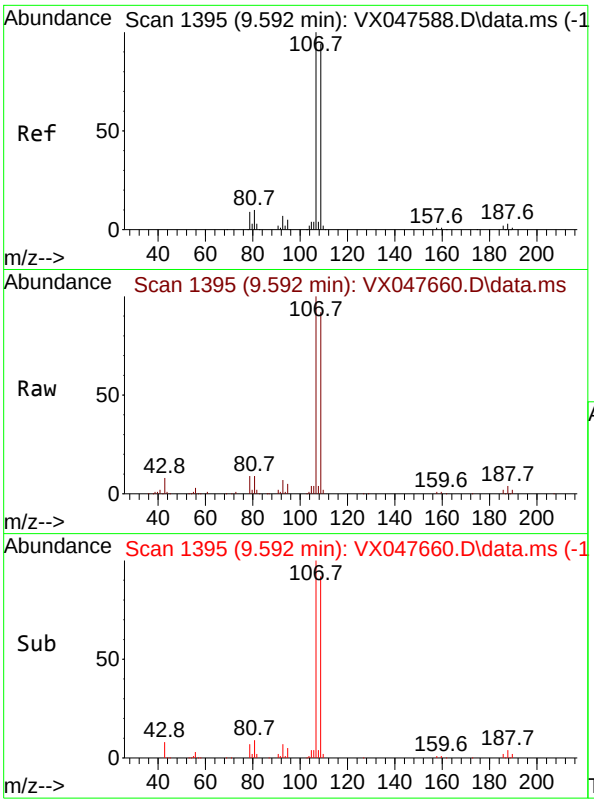


#60
Dibromochloromethane
Concen: 51.934 ug/l
RT: 9.500 min Scan# 1380
Delta R.T. -0.006 min
Lab File: VX047660.D
Acq: 19 Sep 2025 09:22

Tgt Ion:129 Resp: 129786

Ion	Ratio	Lower	Upper
129	100		
127	77.2	38.4	115.2



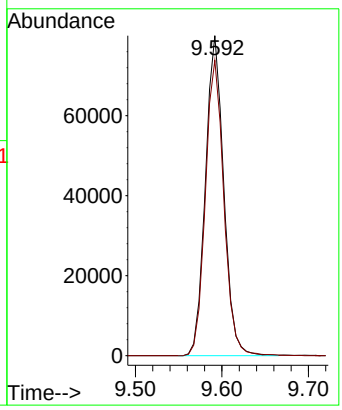


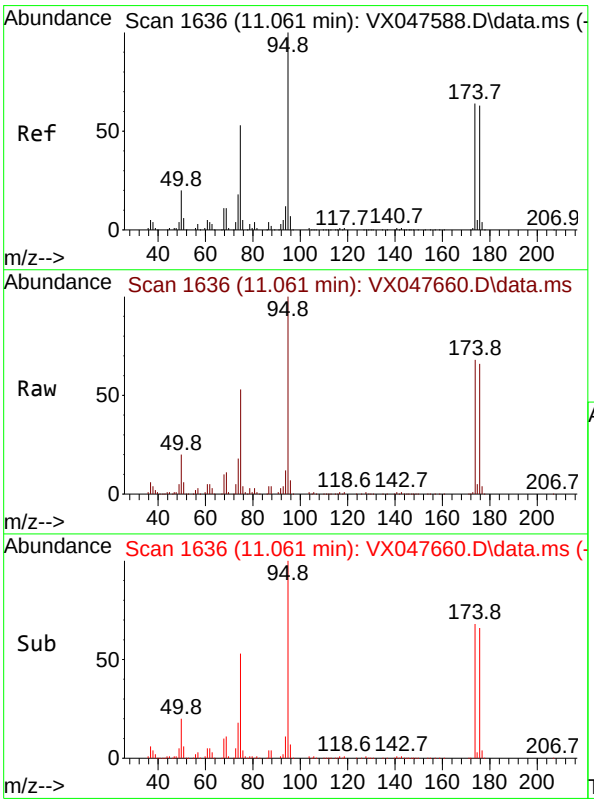
#61
1,2-Dibromoethane
Concen: 53.110 ug/l
RT: 9.592 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047660.D
Acq: 19 Sep 2025 09:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:107 Resp: 117326

Ion	Ratio	Lower	Upper
107	100		
109	93.3	75.3	112.9

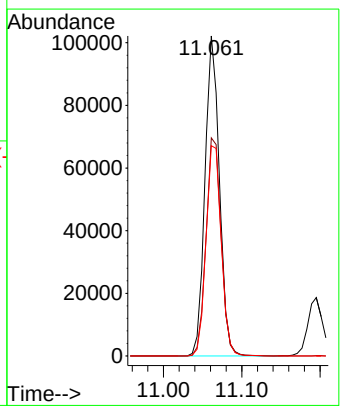


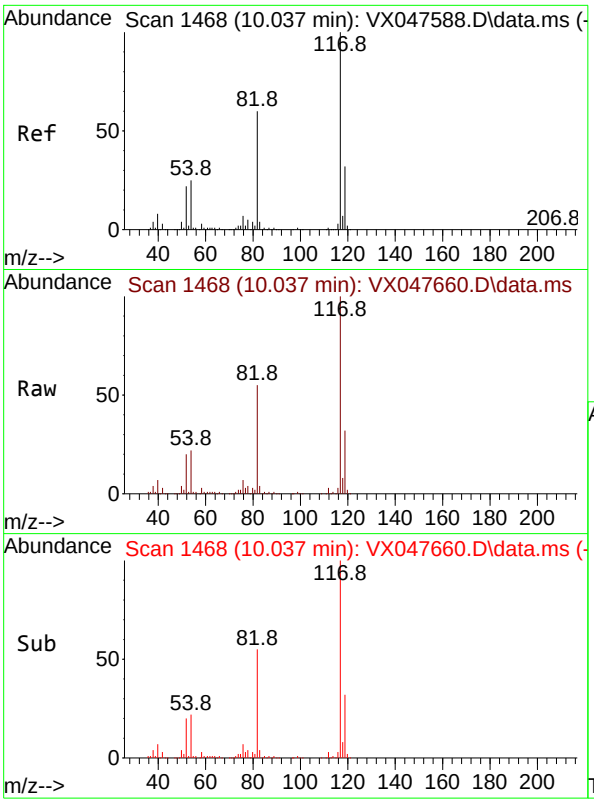


#62
4-Bromofluorobenzene
Concen: 48.202 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX047660.D
Acq: 19 Sep 2025 09:22

Tgt Ion: 95 Resp: 130212

Ion	Ratio	Lower	Upper
95	100		
174	71.4	0.0	141.6
176	69.3	0.0	138.4



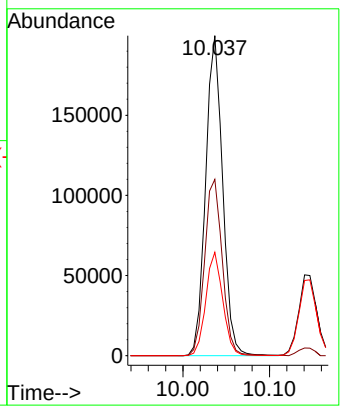


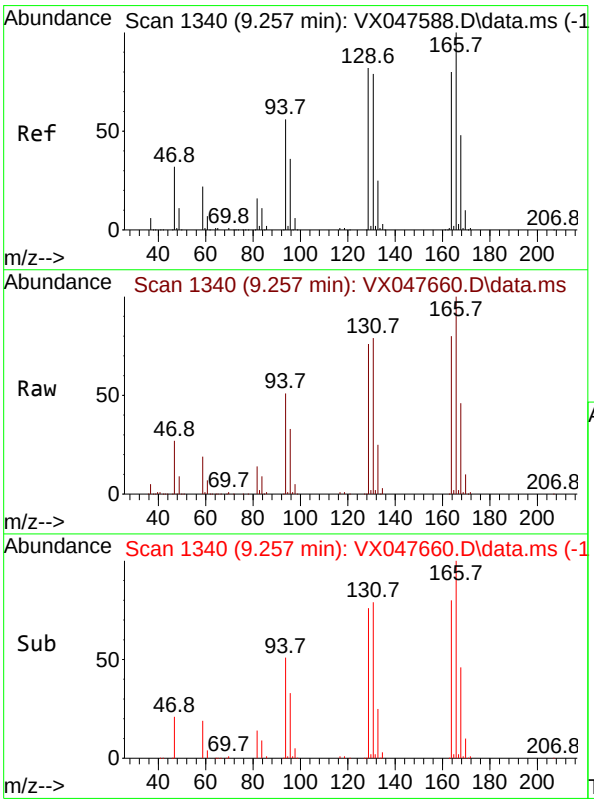
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047660.D
Acq: 19 Sep 2025 09:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:117 Resp: 272268

Ion	Ratio	Lower	Upper
117	100		
82	55.1	47.8	71.6
119	32.3	25.2	37.8

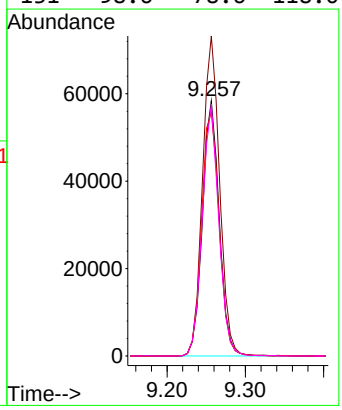


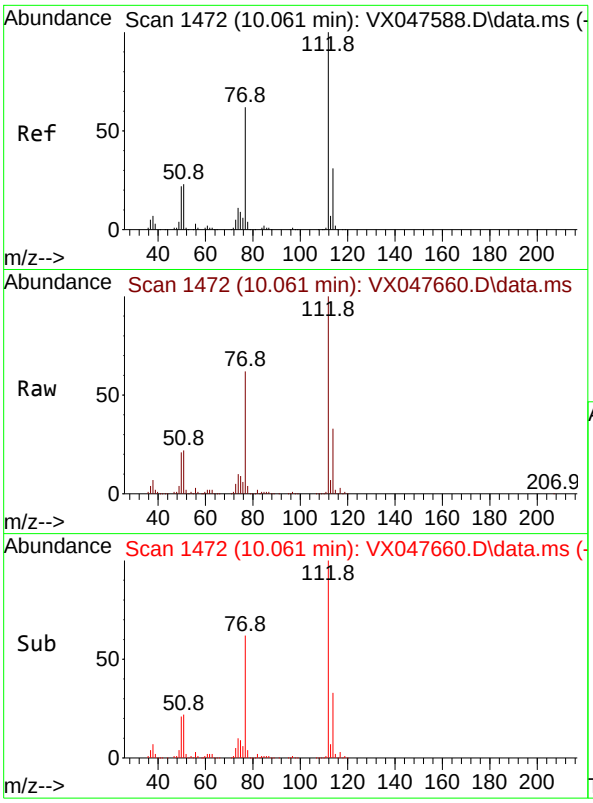


#64
Tetrachloroethene
Concen: 48.951 ug/l
RT: 9.257 min Scan# 1340
Delta R.T. 0.000 min
Lab File: VX047660.D
Acq: 19 Sep 2025 09:22

Tgt Ion:164 Resp: 86883

Ion	Ratio	Lower	Upper
164	100		
166	125.5	100.2	150.2
129	95.4	81.8	122.6
131	98.6	78.6	118.0



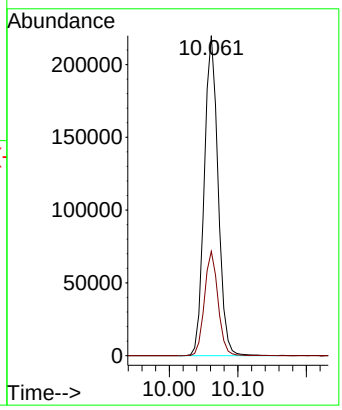


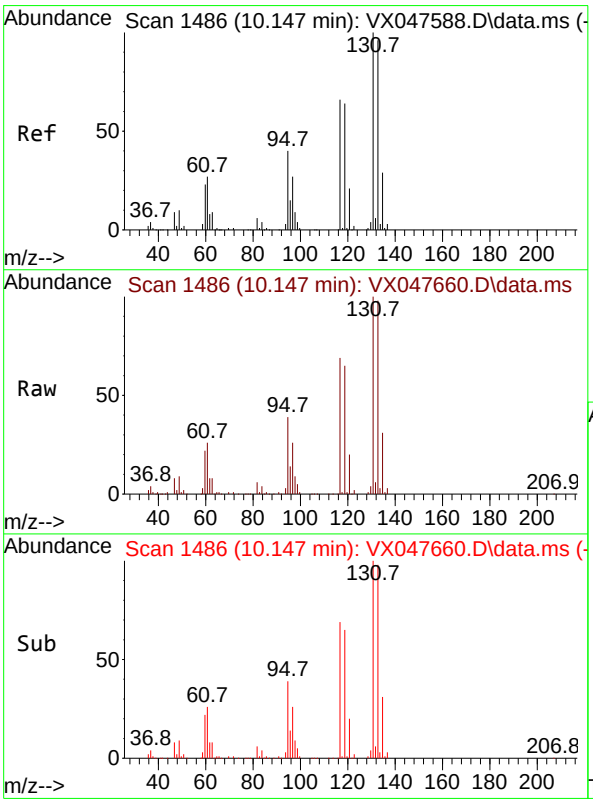
#65
Chlorobenzene
Concen: 49.899 ug/l
RT: 10.061 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047660.D
Acq: 19 Sep 2025 09:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:112 Resp: 308645

Ion	Ratio	Lower	Upper
112	100		
114	32.6	25.1	37.7

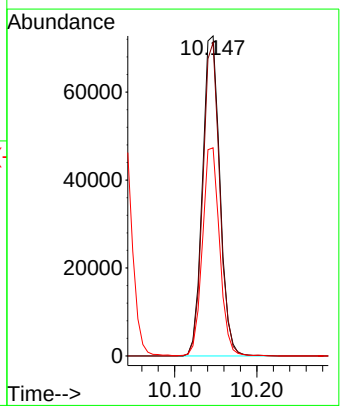


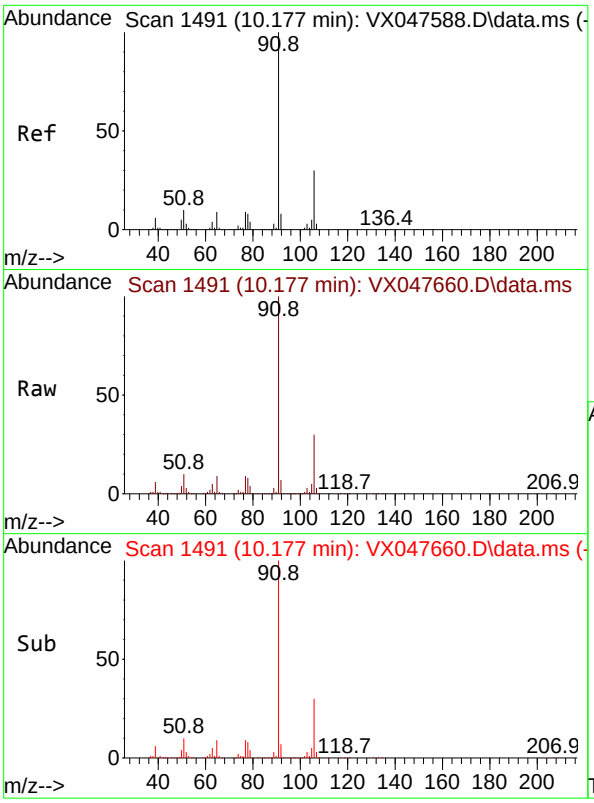


#66
1,1,1,2-Tetrachloroethane
Concen: 50.145 ug/l
RT: 10.147 min Scan# 1486
Delta R.T. 0.000 min
Lab File: VX047660.D
Acq: 19 Sep 2025 09:22

Tgt Ion:131 Resp: 107031

Ion	Ratio	Lower	Upper
131	100		
133	95.1	47.3	142.0
119	64.2	32.0	96.0



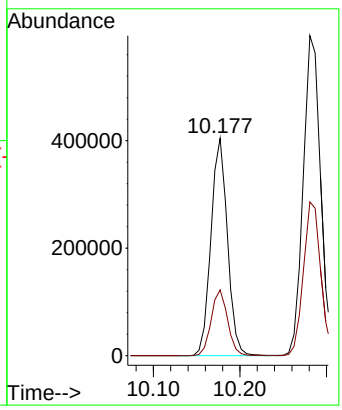


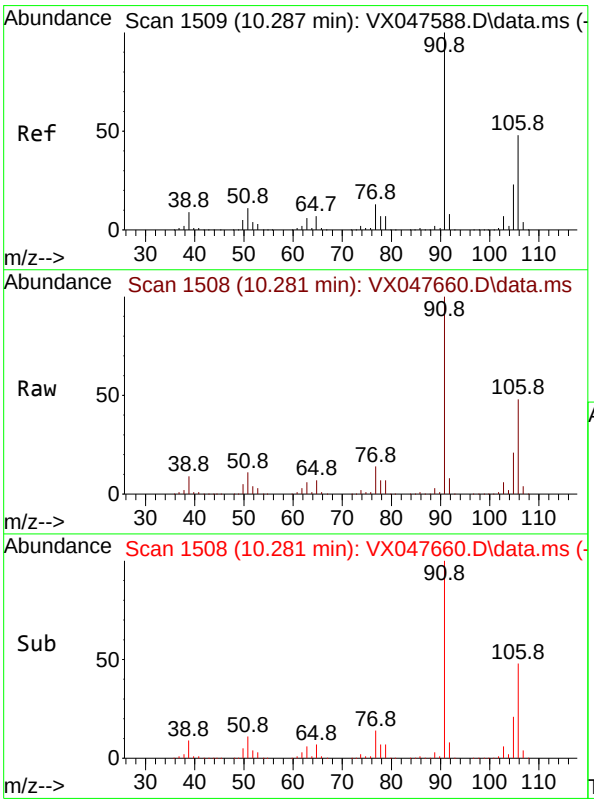
#67
Ethyl Benzene
Concen: 50.244 ug/l
RT: 10.177 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047660.D
Acq: 19 Sep 2025 09:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 536224

Ion	Ratio	Lower	Upper
91	100		
106	30.2	24.3	36.5

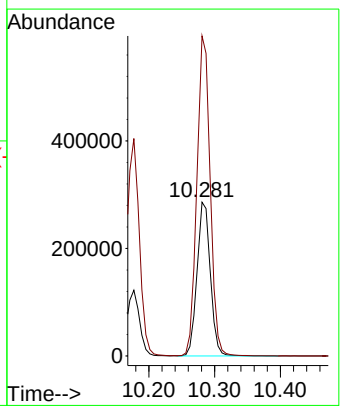


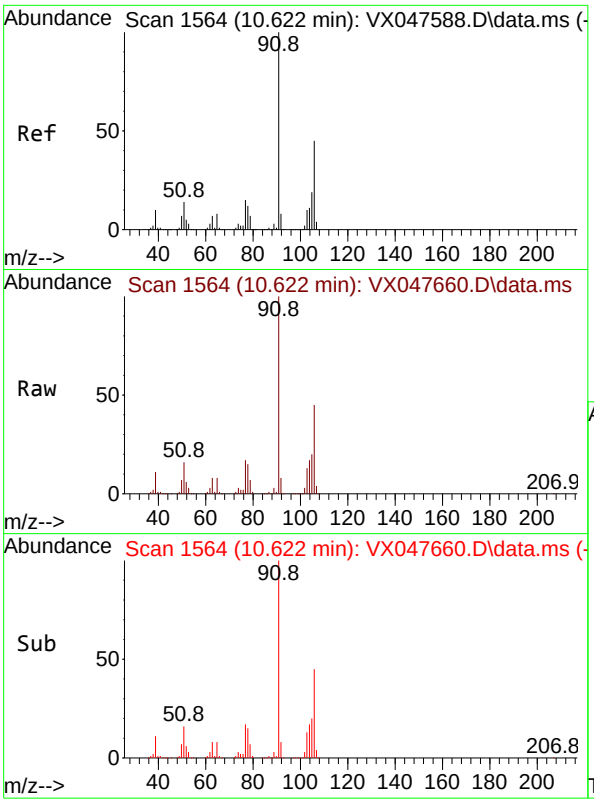


#68
m/p-Xylenes
Concen: 100.725 ug/l
RT: 10.281 min Scan# 1508
Delta R.T. -0.006 min
Lab File: VX047660.D
Acq: 19 Sep 2025 09:22

Tgt Ion:106 Resp: 400119

Ion	Ratio	Lower	Upper
106	100		
91	208.3	167.8	251.8



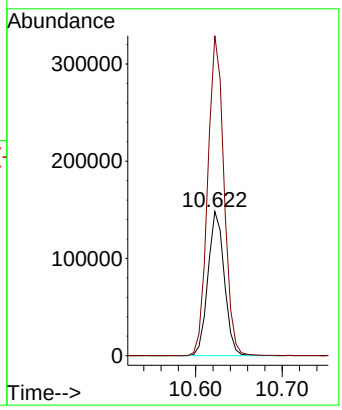


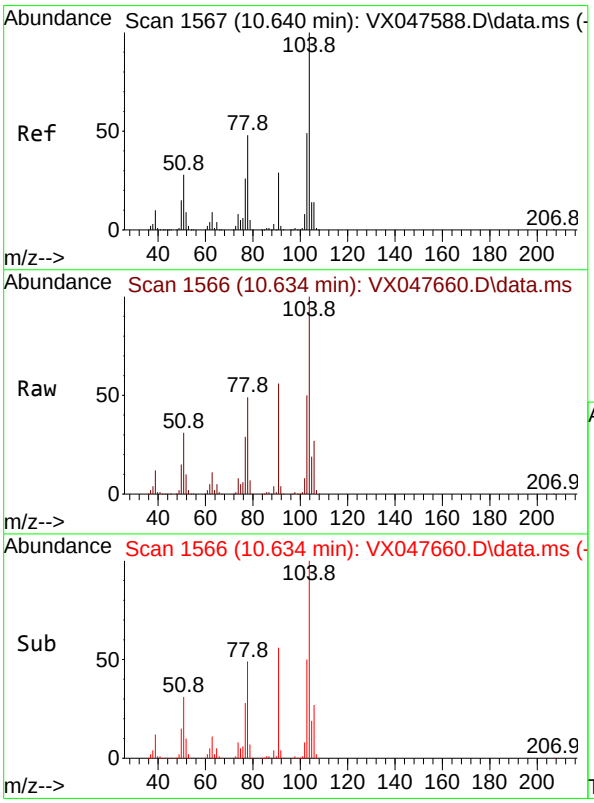
#69
o-Xylene
Concen: 50.618 ug/l
RT: 10.622 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047660.D
Acq: 19 Sep 2025 09:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:106 Resp: 194487

Ion	Ratio	Lower	Upper
106	100		
91	220.8	111.1	333.4

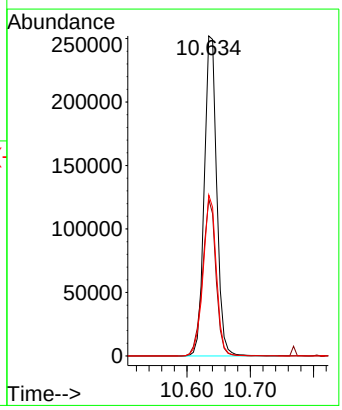


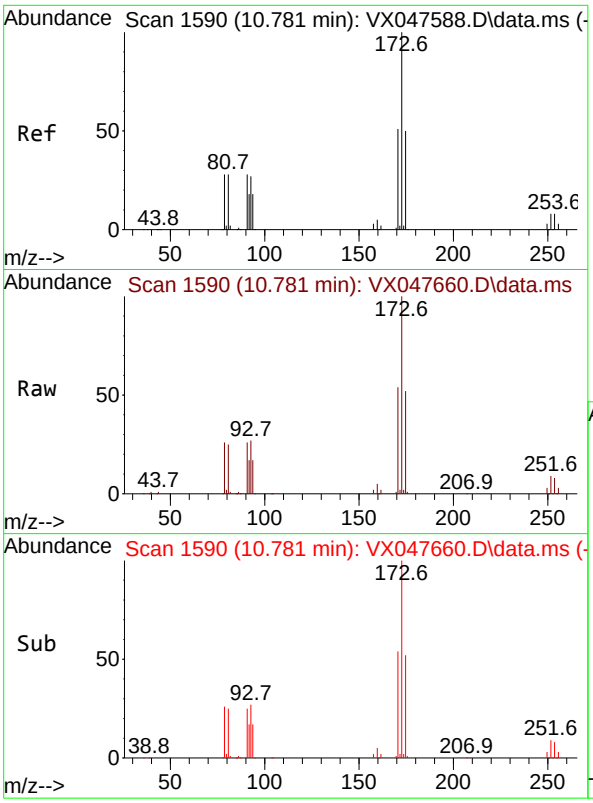


#70
Styrene
Concen: 51.440 ug/l
RT: 10.634 min Scan# 1566
Delta R.T. -0.006 min
Lab File: VX047660.D
Acq: 19 Sep 2025 09:22

Tgt Ion:104 Resp: 346312

Ion	Ratio	Lower	Upper
104	100		
78	52.4	43.1	64.7
103	53.1	43.1	64.7



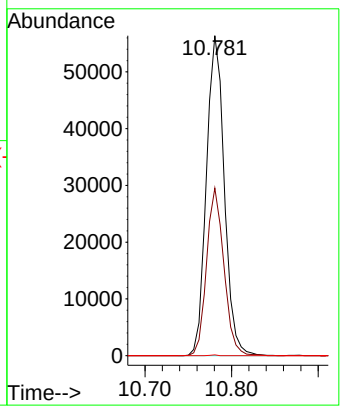


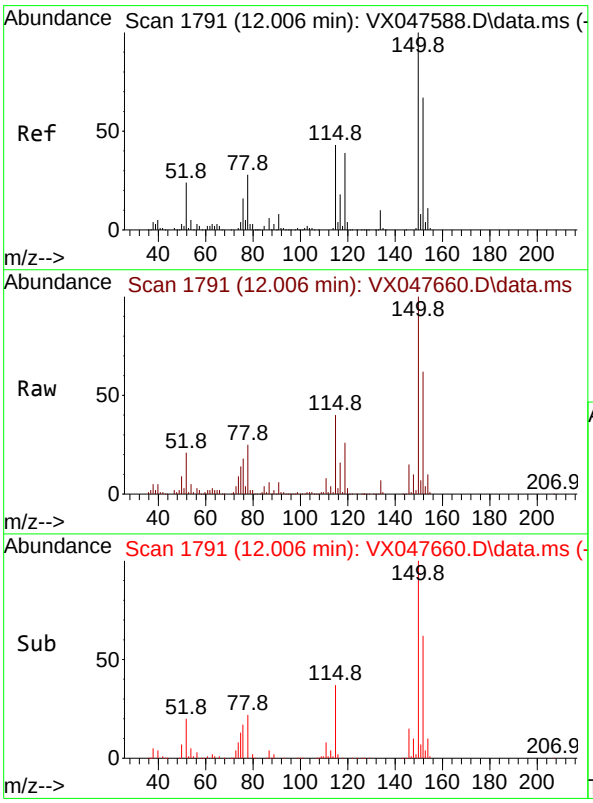
#71
Bromoform
Concen: 50.872 ug/l
RT: 10.781 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047660.D
Acq: 19 Sep 2025 09:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:173 Resp: 81077

Ion	Ratio	Lower	Upper
173	100		
175	50.6	24.9	74.6
254	0.1	0.1	0.1

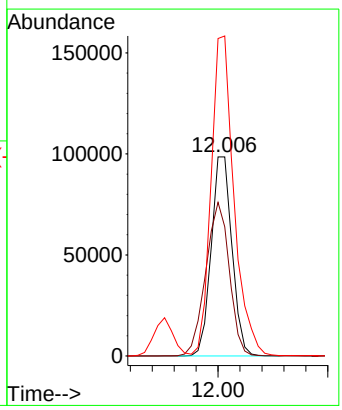


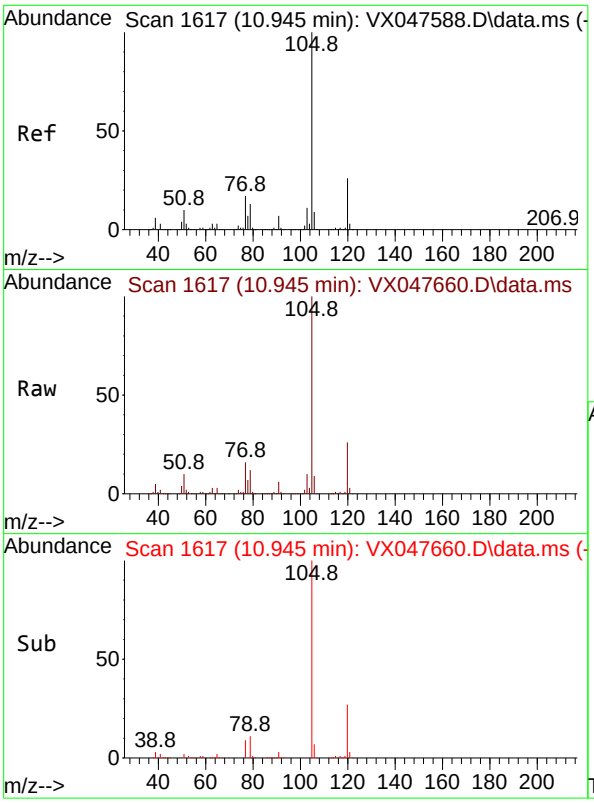


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047660.D
Acq: 19 Sep 2025 09:22

Tgt Ion:152 Resp: 129778

Ion	Ratio	Lower	Upper
152	100		
115	87.7	44.9	134.5
150	176.7	0.0	352.0



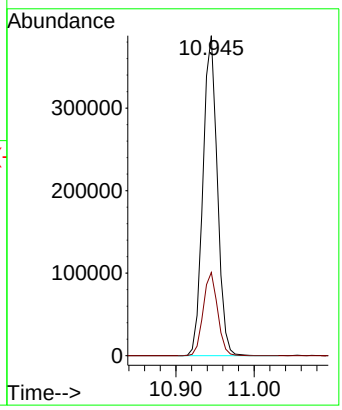


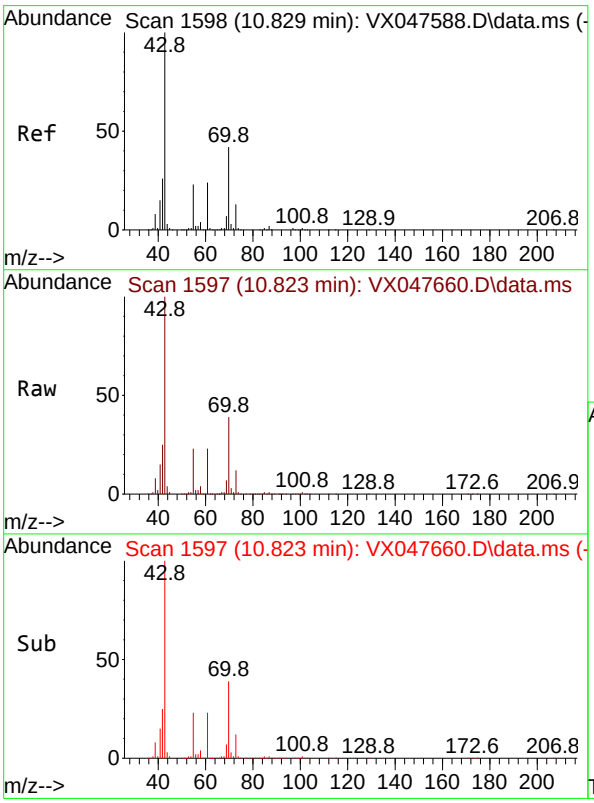
#73
Isopropylbenzene
Concen: 50.005 ug/l
RT: 10.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047660.D
Acq: 19 Sep 2025 09:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:105 Resp: 493376

Ion	Ratio	Lower	Upper
105	100		
120	26.0	12.8	38.4

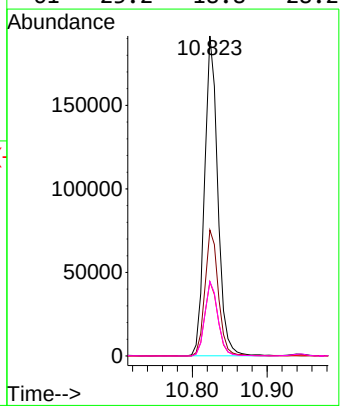


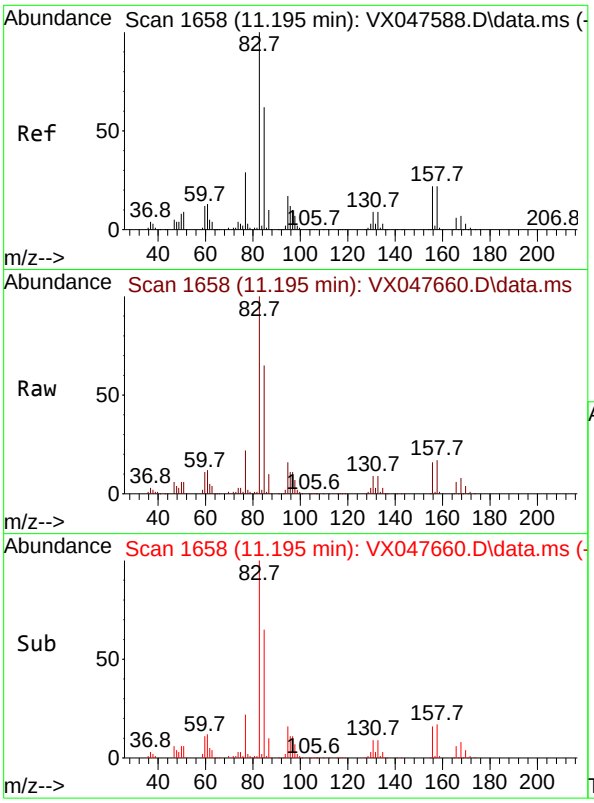


#74
N-amyl acetate
Concen: 52.208 ug/l
RT: 10.823 min Scan# 1597
Delta R.T. -0.006 min
Lab File: VX047660.D
Acq: 19 Sep 2025 09:22

Tgt Ion: 43 Resp: 234901

Ion	Ratio	Lower	Upper
43	100		
70	40.1	32.0	48.0
55	23.3	18.9	28.3
61	23.2	18.8	28.2



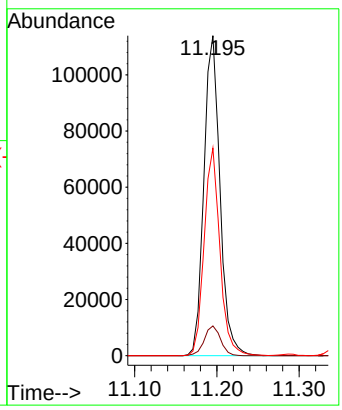


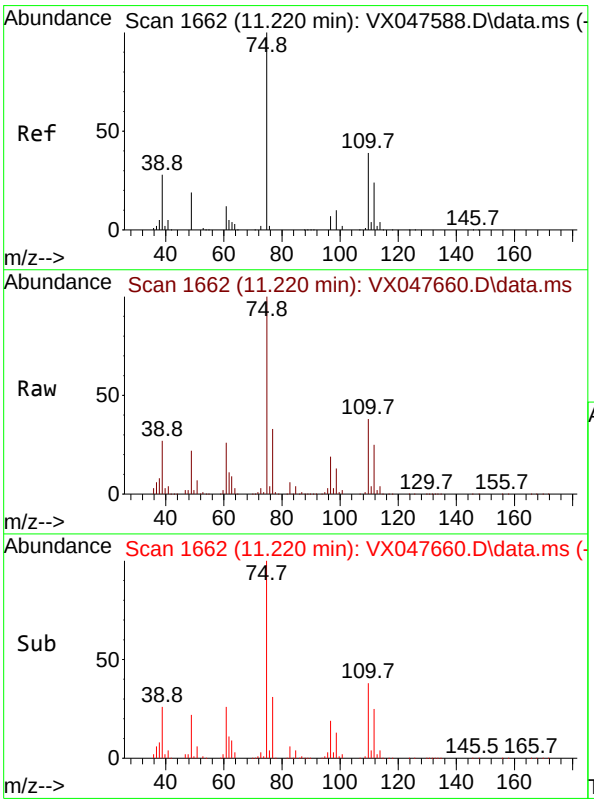
#75
1,1,2,2-Tetrachloroethane
Concen: 51.895 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047660.D
Acq: 19 Sep 2025 09:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 154912

Ion	Ratio	Lower	Upper
83	100		
131	9.4	5.0	14.9
85	63.6	31.6	95.0

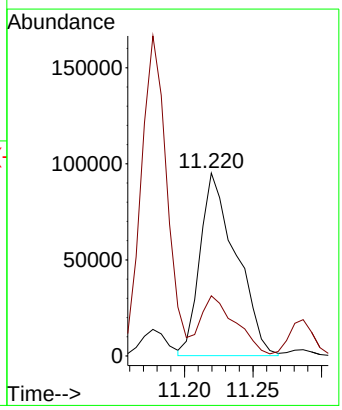


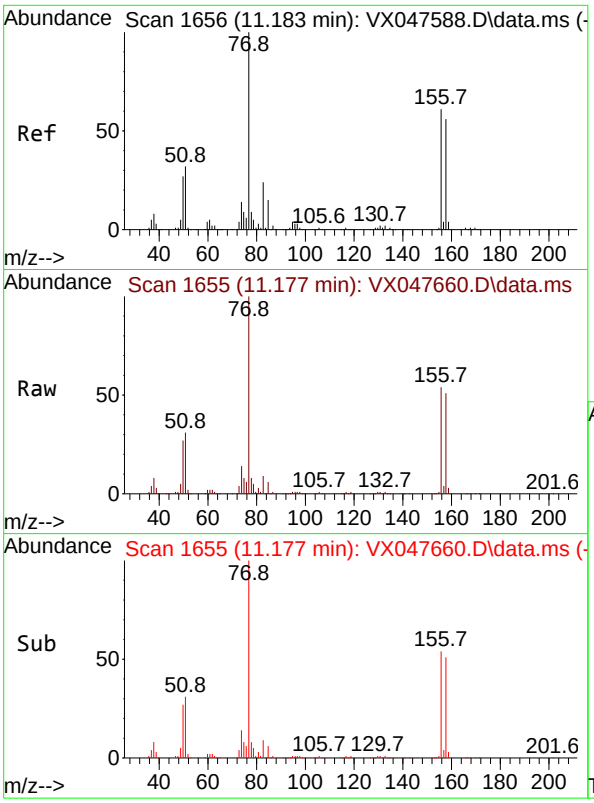


#76
1,2,3-Trichloropropane
Concen: 66.263 ug/l
RT: 11.220 min Scan# 1662
Delta R.T. -0.000 min
Lab File: VX047660.D
Acq: 19 Sep 2025 09:22

Tgt Ion: 75 Resp: 174114

Ion	Ratio	Lower	Upper
75	100		
77	32.5	18.8	56.4



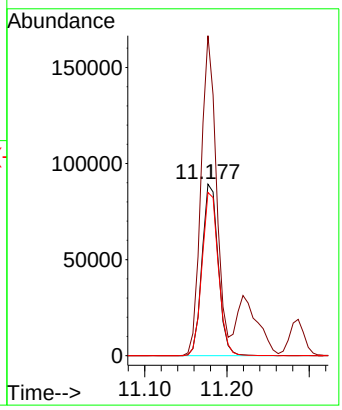


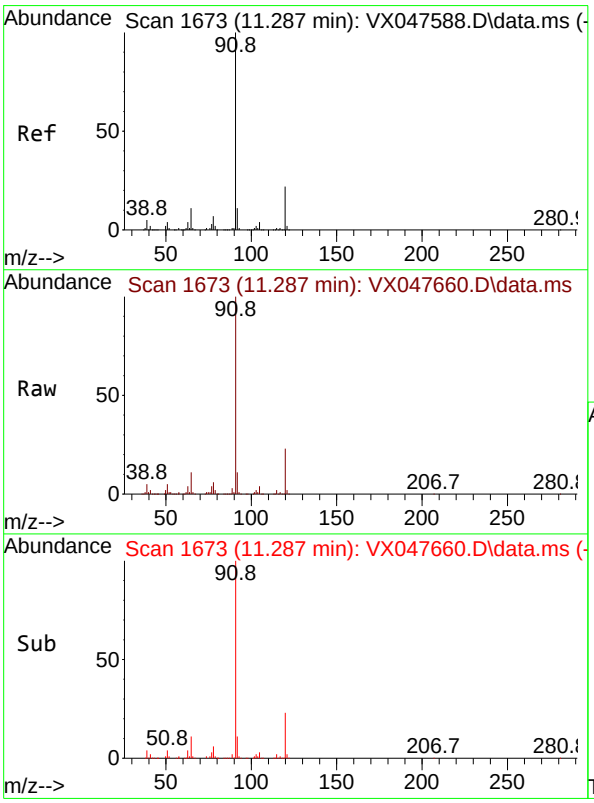
#77
Bromobenzene
Concen: 50.172 ug/l
RT: 11.177 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047660.D
Acq: 19 Sep 2025 09:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:156 Resp: 121922

Ion	Ratio	Lower	Upper
156	100		
77	177.6	89.7	269.1
158	96.4	47.9	143.6

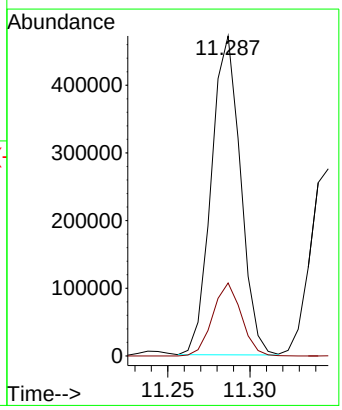


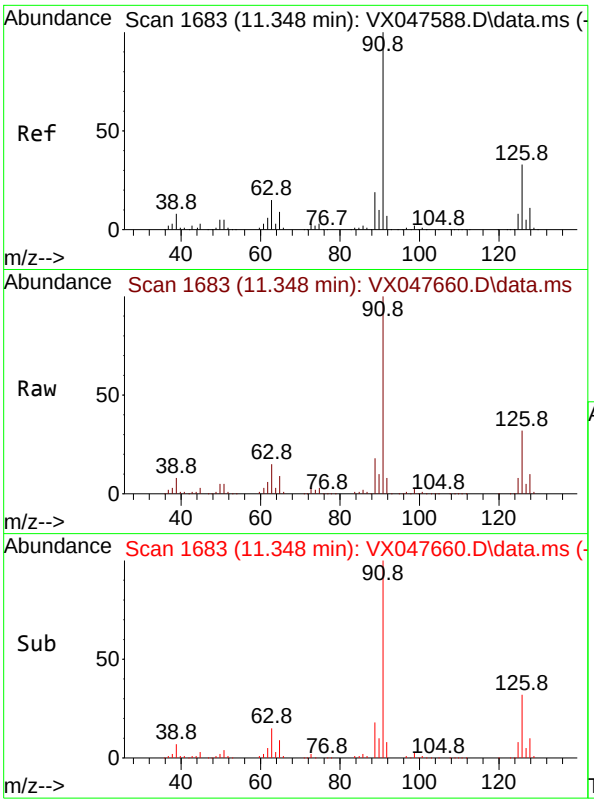


#78
n-propylbenzene
Concen: 50.018 ug/l
RT: 11.287 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX047660.D
Acq: 19 Sep 2025 09:22

Tgt Ion: 91 Resp: 583388

Ion	Ratio	Lower	Upper
91	100		
120	22.4	11.1	33.1



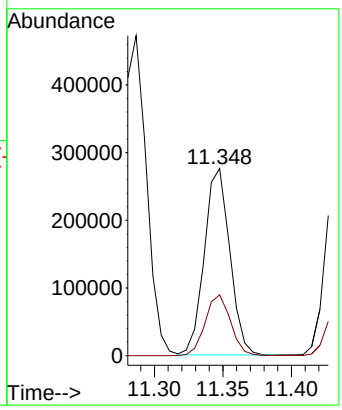


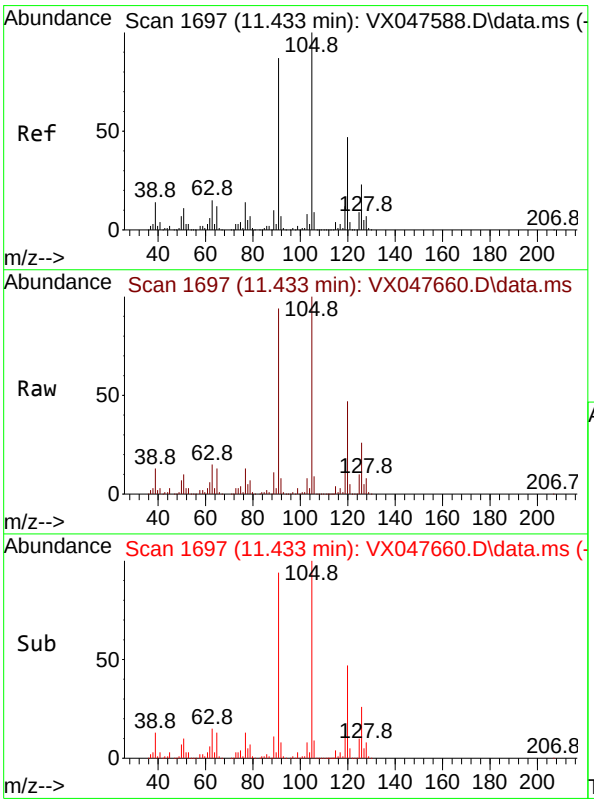
#79
2-Chlorotoluene
Concen: 49.875 ug/l
RT: 11.348 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047660.D
Acq: 19 Sep 2025 09:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 356287

Ion	Ratio	Lower	Upper
91	100		
126	32.5	16.1	48.3

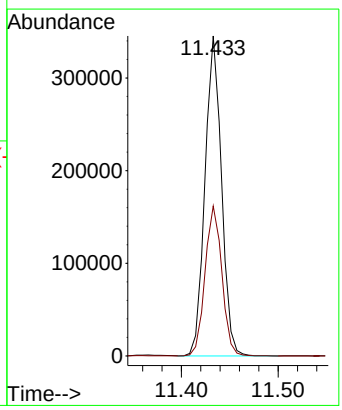


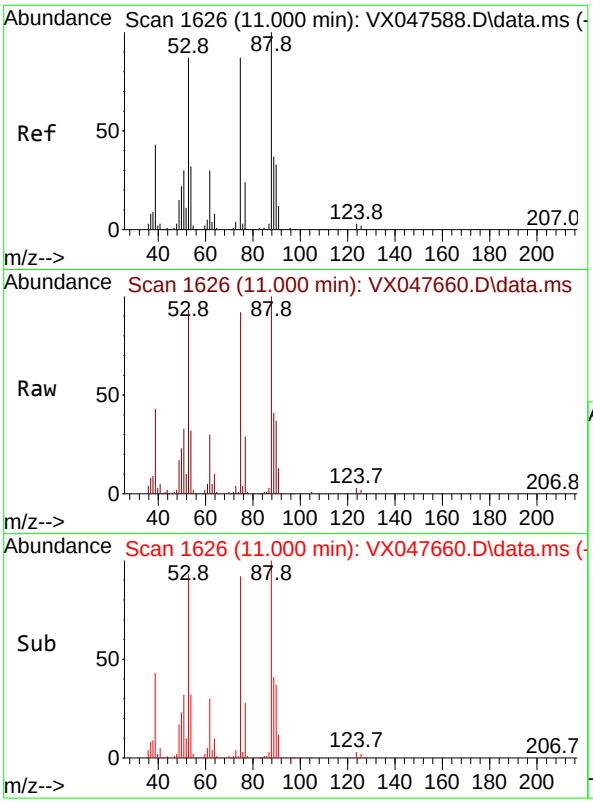


#80
1,3,5-Trimethylbenzene
Concen: 50.523 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX047660.D
Acq: 19 Sep 2025 09:22

Tgt Ion:105 Resp: 409554

Ion	Ratio	Lower	Upper
105	100		
120	47.7	23.6	70.8



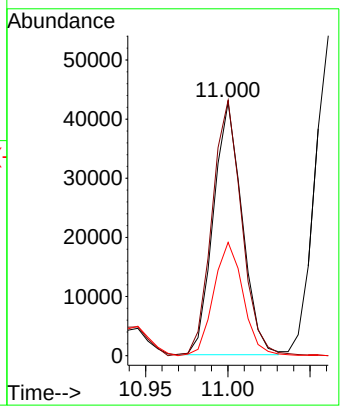


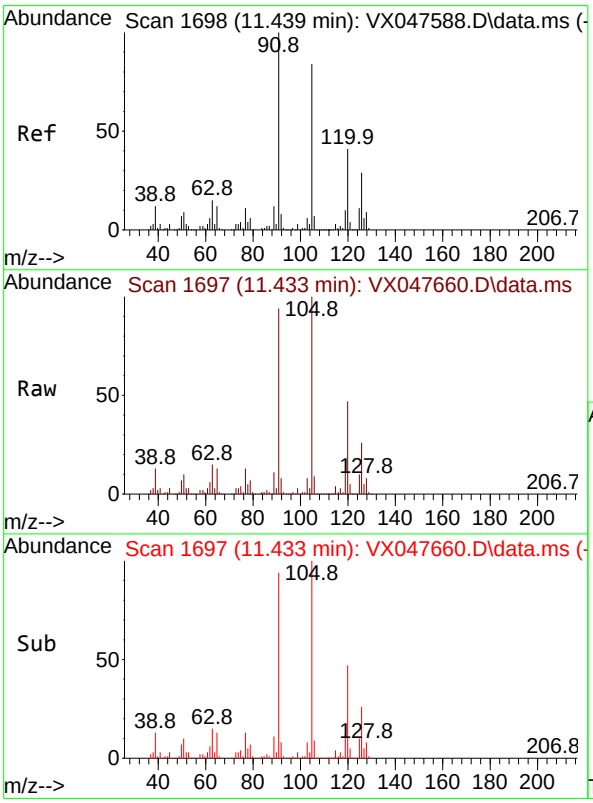
#81
trans-1,4-Dichloro-2-butene
Concen: 50.440 ug/l
RT: 11.000 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047660.D
Acq: 19 Sep 2025 09:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 51972

Ion	Ratio	Lower	Upper
75	100		
53	104.6	83.4	125.2
89	46.1	36.3	54.5

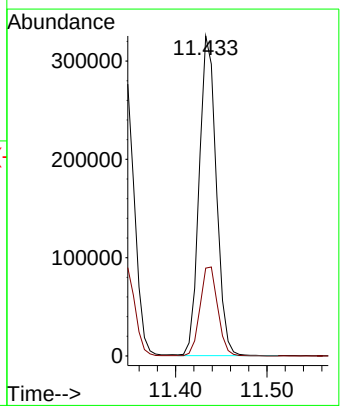


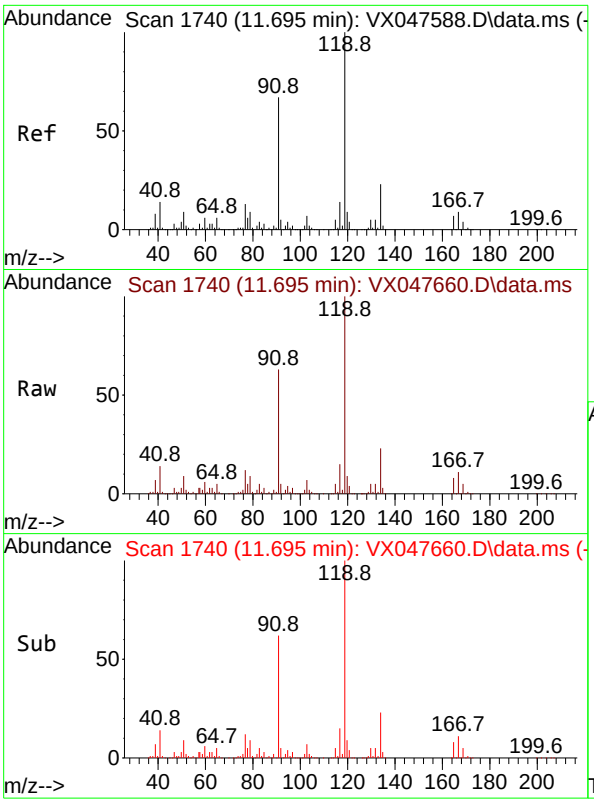


#82
4-Chlorotoluene
Concen: 49.932 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.006 min
Lab File: VX047660.D
Acq: 19 Sep 2025 09:22

Tgt Ion: 91 Resp: 421274

Ion	Ratio	Lower	Upper
91	100		
126	28.8	14.2	42.6



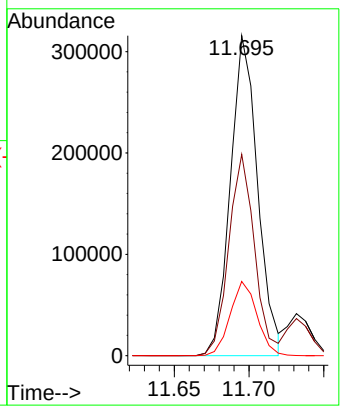


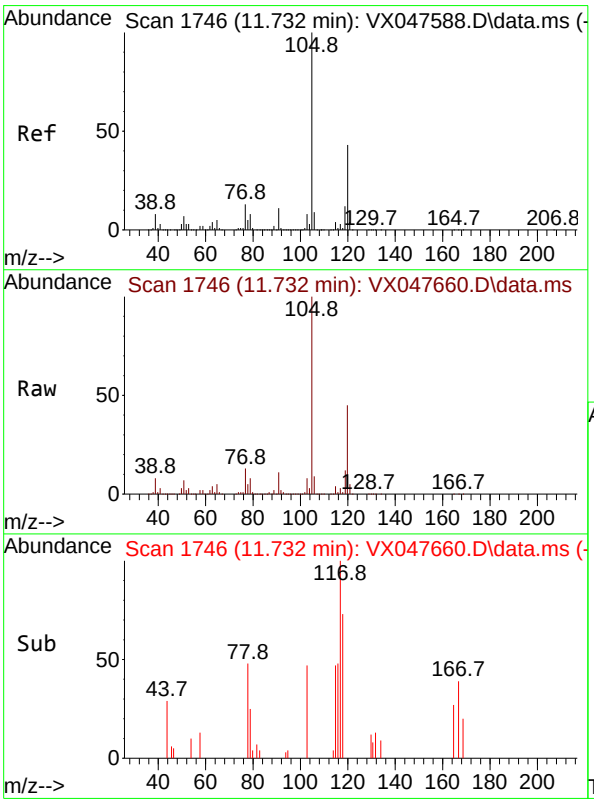
#83
tert-Butylbenzene
Concen: 48.196 ug/l
RT: 11.695 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047660.D
Acq: 19 Sep 2025 09:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:119 Resp: 399938

Ion	Ratio	Lower	Upper
119	100		
91	59.6	29.6	88.8
134	22.8	11.0	33.0

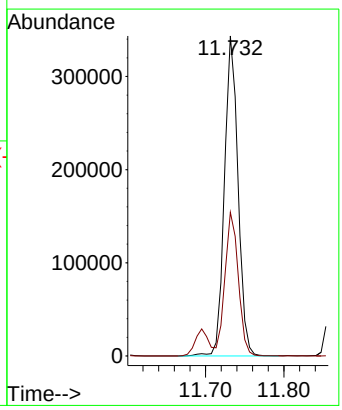


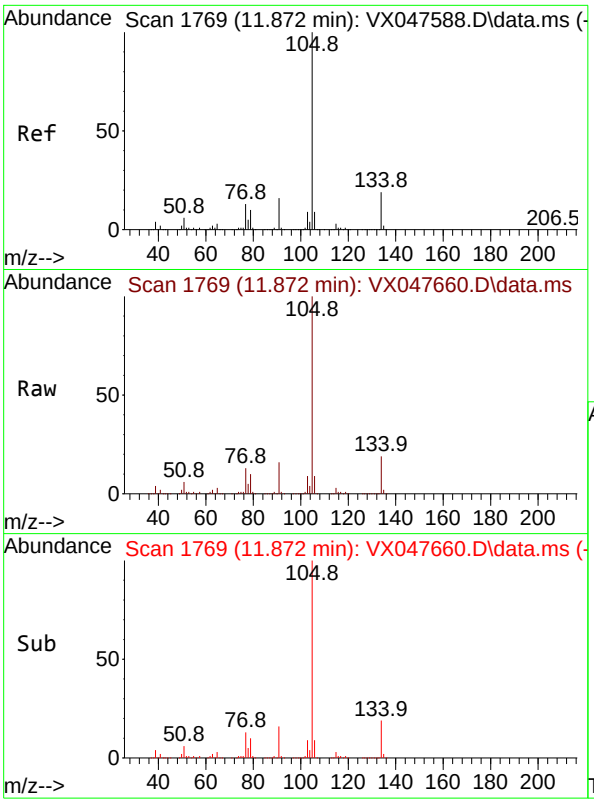


#84
1,2,4-Trimethylbenzene
Concen: 50.508 ug/l
RT: 11.732 min Scan# 1746
Delta R.T. 0.000 min
Lab File: VX047660.D
Acq: 19 Sep 2025 09:22

Tgt Ion:105 Resp: 415095

Ion	Ratio	Lower	Upper
105	100		
120	43.8	22.1	66.1



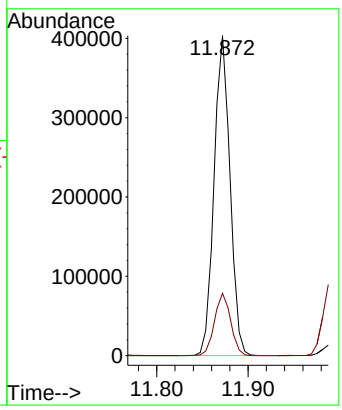


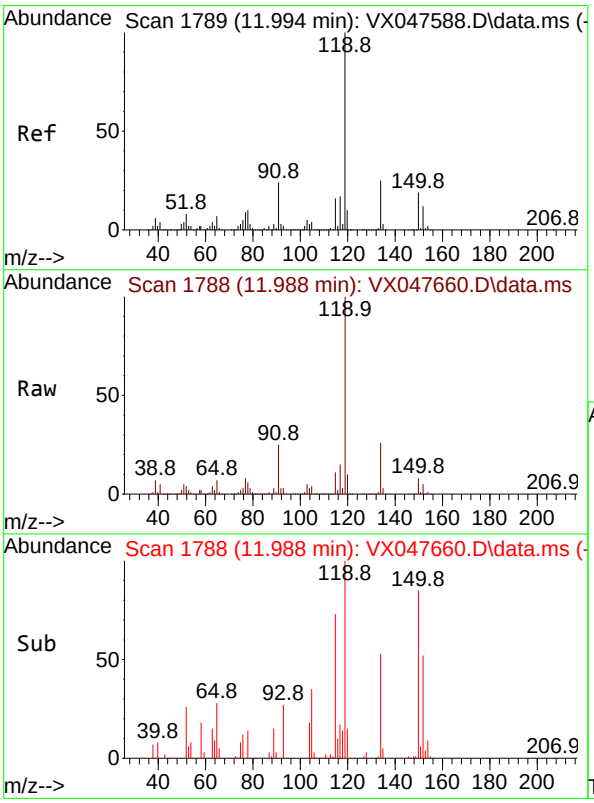
#85
sec-Butylbenzene
Concen: 49.622 ug/l
RT: 11.872 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047660.D
Acq: 19 Sep 2025 09:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:105 Resp: 489102

Ion	Ratio	Lower	Upper
105	100		
134	19.8	9.8	29.5

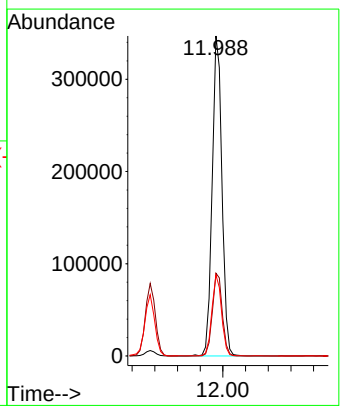


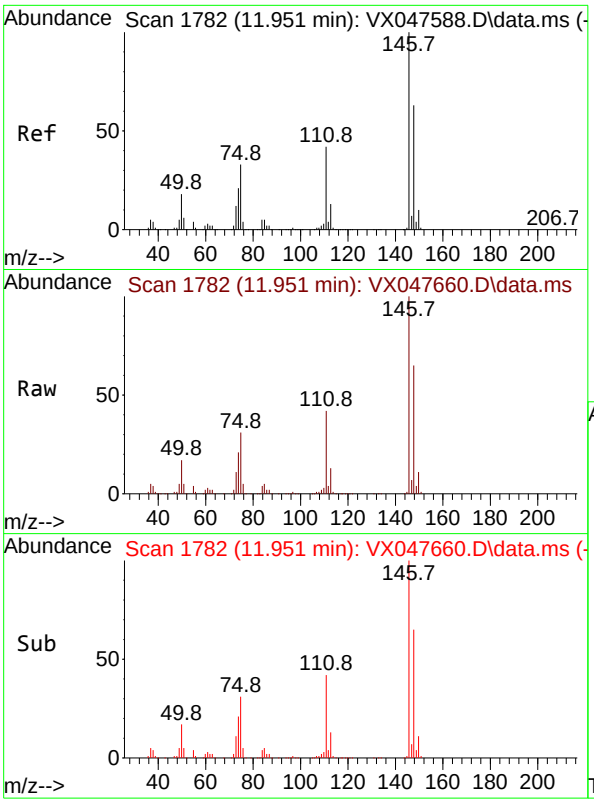


#86
p-Isopropyltoluene
Concen: 49.757 ug/l
RT: 11.988 min Scan# 1788
Delta R.T. -0.006 min
Lab File: VX047660.D
Acq: 19 Sep 2025 09:22

Tgt Ion:119 Resp: 415198

Ion	Ratio	Lower	Upper
119	100		
134	26.1	12.6	37.8
91	25.0	12.6	37.6



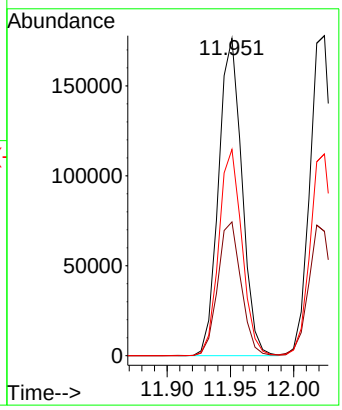


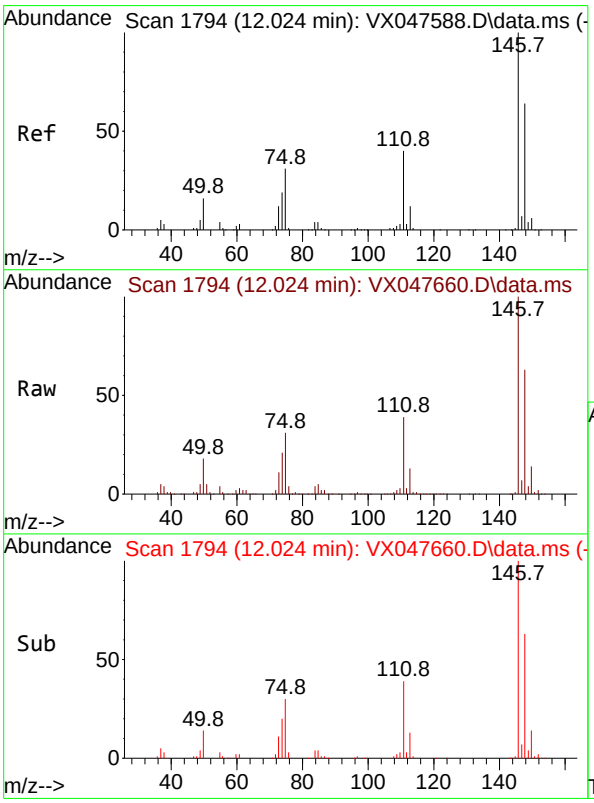
#87
1,3-Dichlorobenzene
Concen: 50.139 ug/l
RT: 11.951 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047660.D
Acq: 19 Sep 2025 09:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:146 Resp: 226308

Ion	Ratio	Lower	Upper
146	100		
111	42.2	21.5	64.5
148	64.3	32.0	96.0

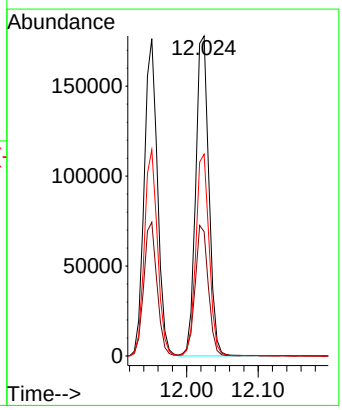


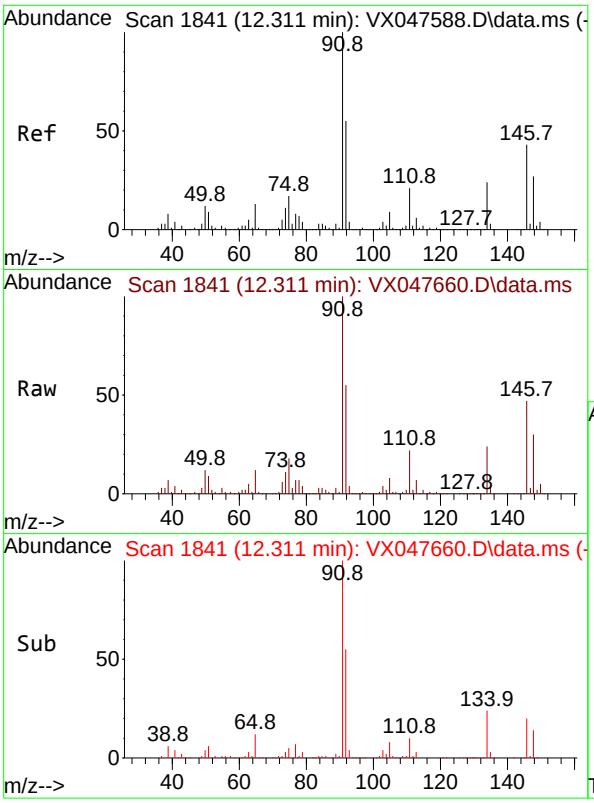


#88
1,4-Dichlorobenzene
Concen: 49.138 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX047660.D
Acq: 19 Sep 2025 09:22

Tgt Ion:146 Resp: 227633

Ion	Ratio	Lower	Upper
146	100		
111	40.9	20.8	62.4
148	63.1	31.7	95.1



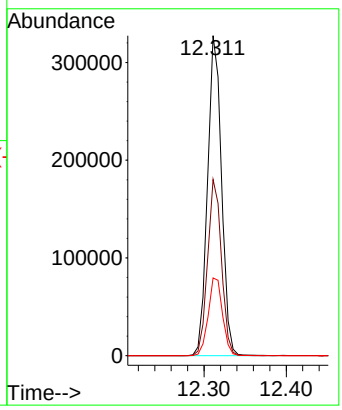


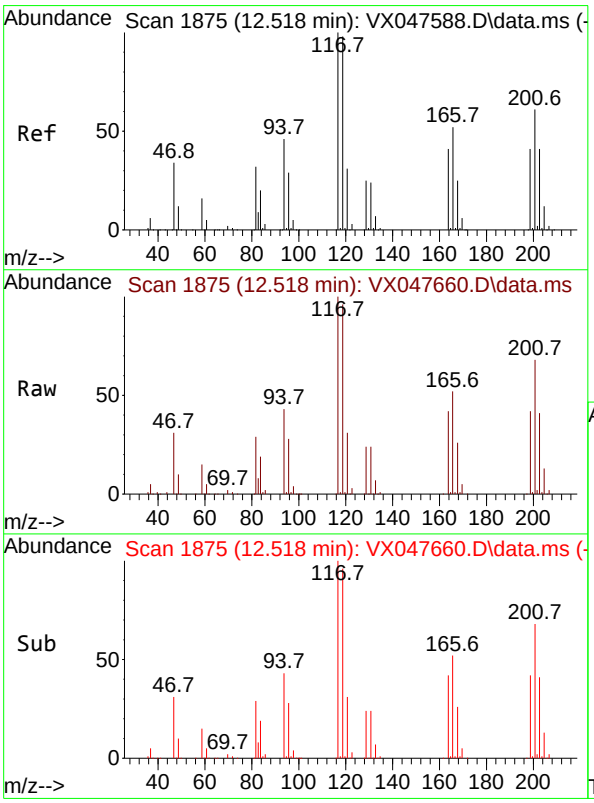
#89
n-Butylbenzene
Concen: 50.022 ug/l
RT: 12.311 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047660.D
Acq: 19 Sep 2025 09:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 386234

Ion	Ratio	Lower	Upper
91	100		
92	54.5	27.6	82.7
134	24.9	12.6	37.8

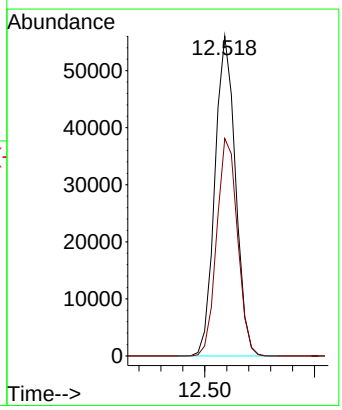


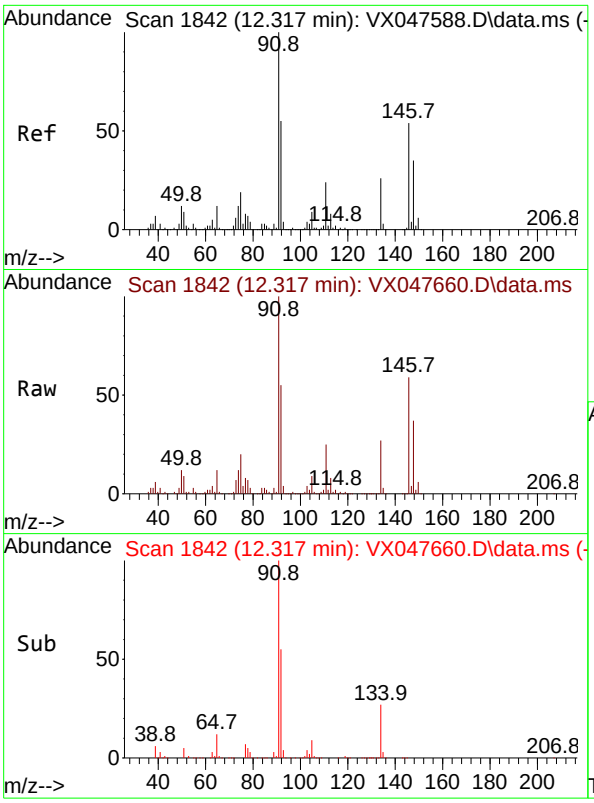


#90
Hexachloroethane
Concen: 49.913 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VX047660.D
Acq: 19 Sep 2025 09:22

Tgt Ion:117 Resp: 73125

Ion	Ratio	Lower	Upper
117	100		
201	68.7	34.2	102.5



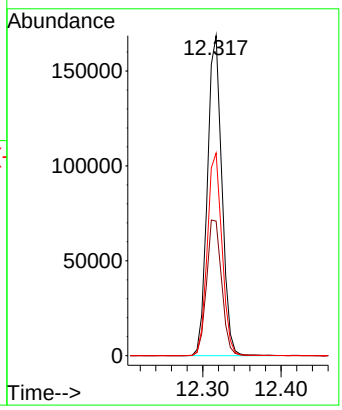


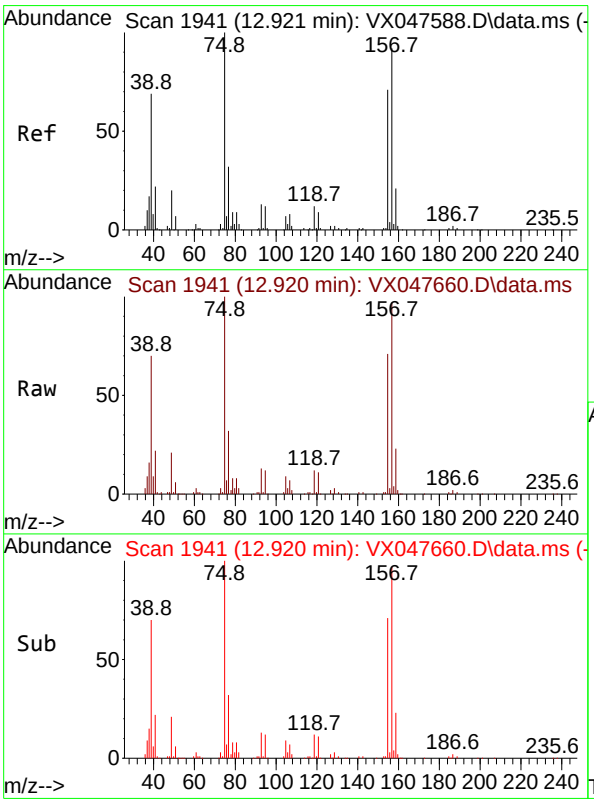
#91
1,2-Dichlorobenzene
Concen: 50.084 ug/l
RT: 12.317 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047660.D
Acq: 19 Sep 2025 09:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:146 Resp: 215367

Ion	Ratio	Lower	Upper
146	100		
111	44.3	22.2	66.6
148	64.2	31.8	95.4

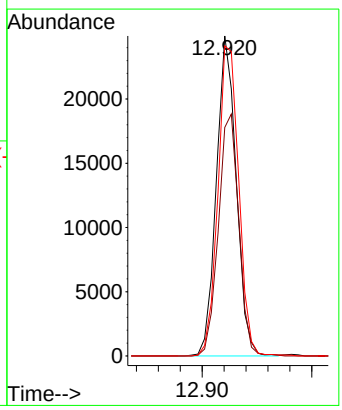


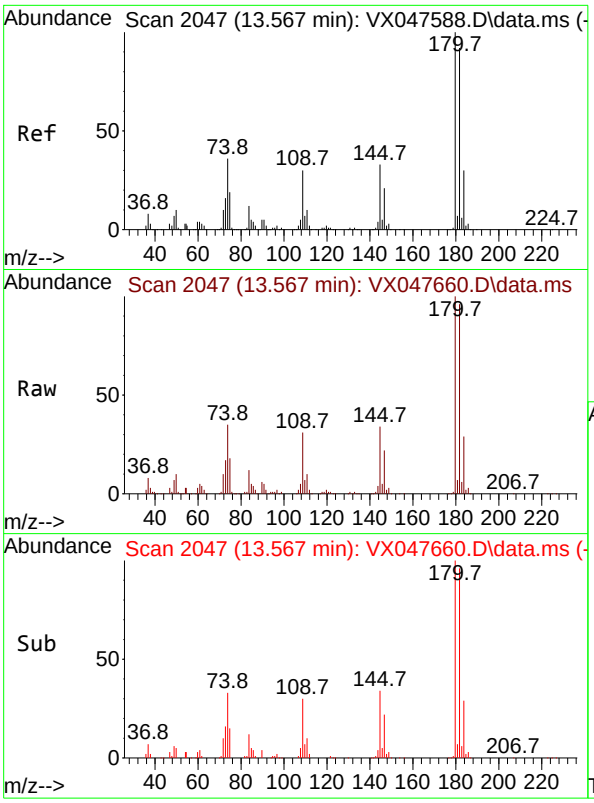


#92
1,2-Dibromo-3-Chloropropane
Concen: 51.864 ug/l
RT: 12.920 min Scan# 1941
Delta R.T. -0.000 min
Lab File: VX047660.D
Acq: 19 Sep 2025 09:22

Tgt Ion: 75 Resp: 31345

Ion	Ratio	Lower	Upper
75	100		
155	77.8	37.7	113.1
157	101.7	49.8	149.4



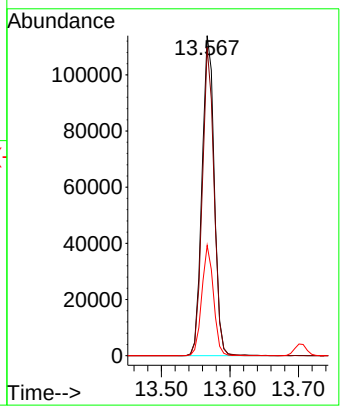


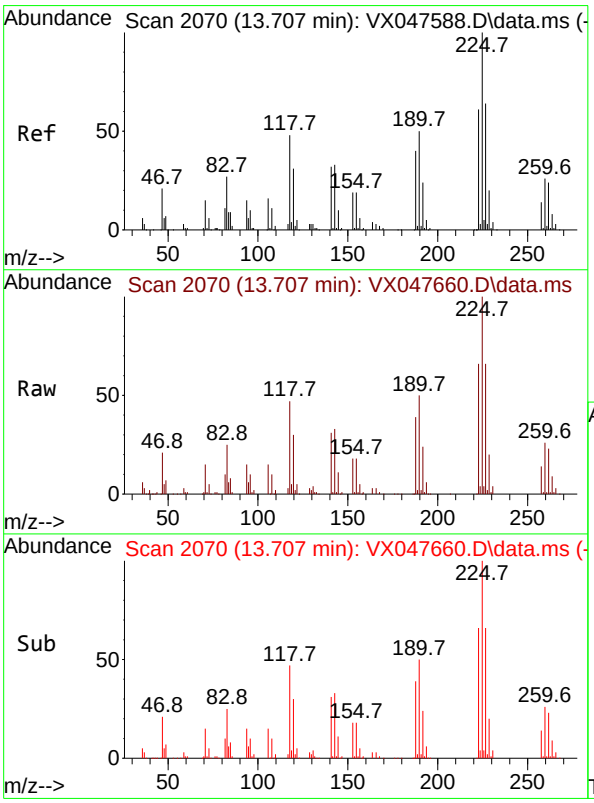
#93
1,2,4-Trichlorobenzene
Concen: 50.643 ug/l
RT: 13.567 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX047660.D
Acq: 19 Sep 2025 09:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:180 Resp: 141532

Ion	Ratio	Lower	Upper
180	100		
182	92.9	46.6	139.8
145	32.9	16.4	49.1

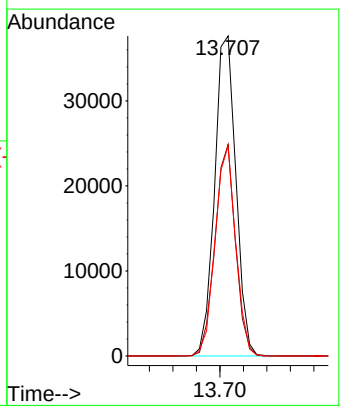


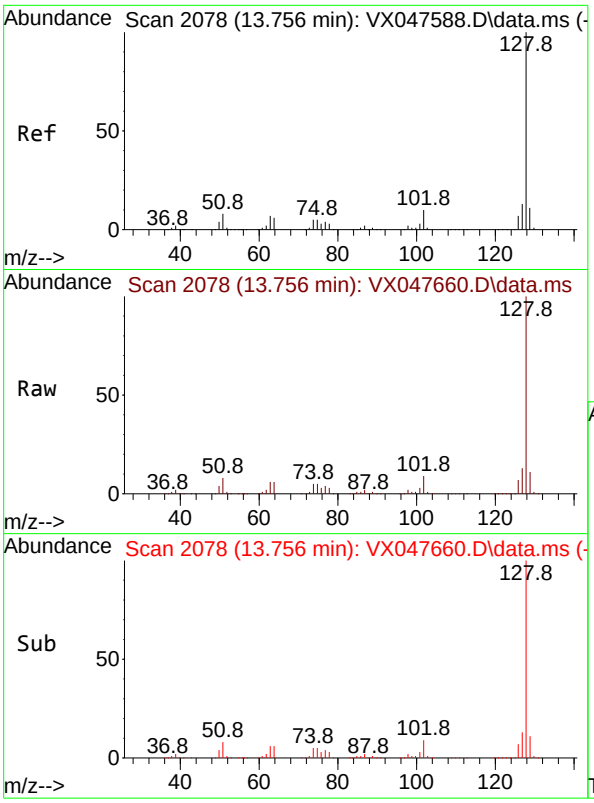


#94
Hexachlorobutadiene
Concen: 49.957 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. -0.000 min
Lab File: VX047660.D
Acq: 19 Sep 2025 09:22

Tgt Ion:225 Resp: 47423

Ion	Ratio	Lower	Upper
225	100		
223	63.3	31.7	95.1
227	63.3	32.0	96.0



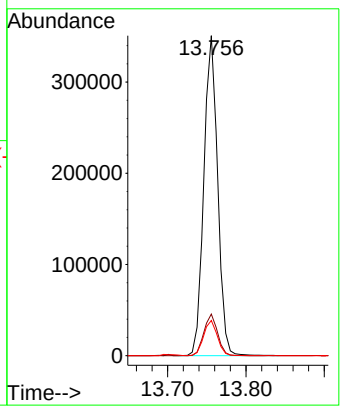


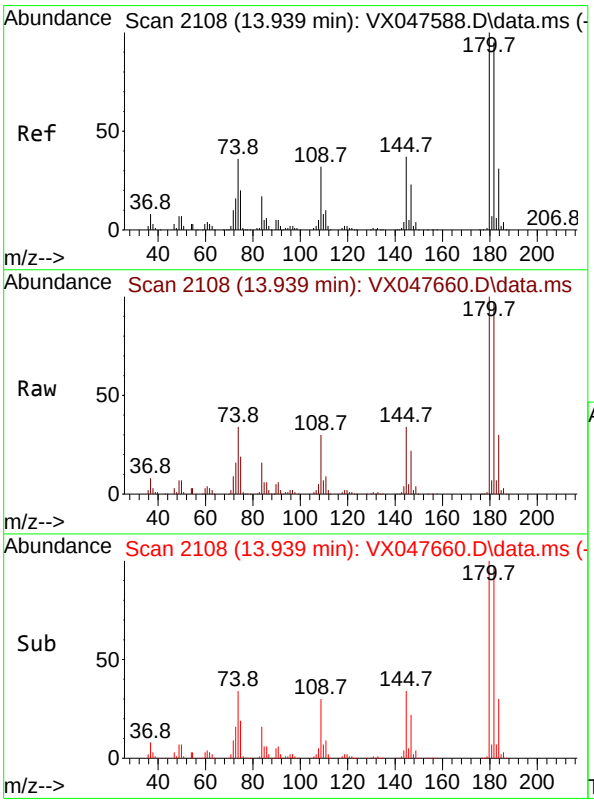
#95
Naphthalene
Concen: 50.373 ug/l
RT: 13.756 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047660.D
Acq: 19 Sep 2025 09:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:128 Resp: 428676

Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.2
129	11.0	8.8	13.2

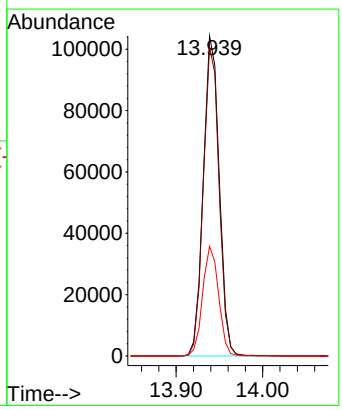




#96
1,2,3-Trichlorobenzene
Concen: 51.304 ug/l
RT: 13.939 min Scan# 2108
Delta R.T. -0.000 min
Lab File: VX047660.D
Acq: 19 Sep 2025 09:22

Tgt Ion:180 Resp: 133374

Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.6	142.8
145	34.3	17.9	53.7



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091925\
Data File : VX047663.D
Acq On : 19 Sep 2025 10:38
Operator : JC/MD
Sample : VX0919WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0919WBS01

Quant Time: Sep 20 00:27:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.532	168	190485	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.745	114	337411	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	298577	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	146041	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	161347	53.214	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 106.420%			
35) Dibromofluoromethane	5.367	113	122748	54.245	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 108.480%			
50) Toluene-d8	8.635	98	434063	55.436	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 110.880%			
62) 4-Bromofluorobenzene	11.061	95	163439	55.000	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 110.000%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.179	85	48189	24.430	ug/l	96
3) Chloromethane	1.301	50	56662	21.857	ug/l	99
4) Vinyl Chloride	1.380	62	55247	21.771	ug/l	97
5) Bromomethane	1.618	94	36964	22.971	ug/l	93
6) Chloroethane	1.697	64	34850	20.547	ug/l	100
7) Trichlorofluoromethane	1.898	101	77725	20.628	ug/l	96
8) Diethyl Ether	2.136	74	30811	19.990	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.331	101	46477	21.095	ug/l	98
10) Methyl Iodide	2.453	142	63244	18.406	ug/l	99
11) Tert butyl alcohol	2.941	59	31950	94.614	ug/l	100
12) 1,1-Dichloroethene	2.325	96	46724	20.645	ug/l	98
13) Acrolein	2.233	56	36367	116.866	ug/l	98
14) Allyl chloride	2.666	41	90599	19.400	ug/l	98
15) Acrylonitrile	3.056	53	131021	104.748	ug/l	99
16) Acetone	2.374	43	115033	87.256	ug/l	98
17) Carbon Disulfide	2.514	76	133885	21.610	ug/l	99
18) Methyl Acetate	2.697	43	56823	19.367	ug/l	99
19) Methyl tert-butyl Ether	3.105	73	161762	19.580	ug/l	98
20) Methylene Chloride	2.788	84	54454	19.514	ug/l	96
21) trans-1,2-Dichloroethene	3.093	96	50713	20.813	ug/l	91
22) Diisopropyl ether	3.751	45	178004	19.667	ug/l	94
23) Vinyl Acetate	3.709	43	729482	100.705	ug/l	98
24) 1,1-Dichloroethane	3.605	63	96151	19.987	ug/l	97
25) 2-Butanone	4.538	43	162542	98.842	ug/l	97
26) 2,2-Dichloropropane	4.459	77	75768	18.948	ug/l	100
27) cis-1,2-Dichloroethene	4.477	96	59674	19.998	ug/l	98
28) Bromochloromethane	4.879	49	43974	20.939	ug/l	99
29) Tetrahydrofuran	4.983	42	103814	104.940	ug/l	98
30) Chloroform	5.074	83	97368	20.030	ug/l	97
31) Cyclohexane	5.452	56	81875	20.435	ug/l	96
32) 1,1,1-Trichloroethane	5.367	97	81898	19.862	ug/l	99
36) 1,1-Dichloropropene	5.684	75	66091	19.988	ug/l	99
37) Ethyl Acetate	4.696	43	68156	19.251	ug/l	100
38) Carbon Tetrachloride	5.660	117	71209	19.821	ug/l	99
39) Methylcyclohexane	7.360	83	76946	20.500	ug/l	97
40) Benzene	6.025	78	201814	20.095	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091925\
Data File : VX047663.D
Acq On : 19 Sep 2025 10:38
Operator : JC/MD
Sample : VX0919WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0919WBS01

Quant Time: Sep 20 00:27:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.904	41	39044	21.362	ug/l		96
42) 1,2-Dichloroethane	6.068	62	73915	19.343	ug/l		99
43) Isopropyl Acetate	6.318	43	117690	20.269	ug/l		100
44) Trichloroethene	7.111	130	48532	19.988	ug/l		97
45) 1,2-Dichloropropane	7.409	63	51280	19.941	ug/l		99
46) Dibromomethane	7.568	93	37312	19.938	ug/l		98
47) Bromodichloromethane	7.806	83	75948	19.667	ug/l		96
48) Methyl methacrylate	7.677	41	57109	19.745	ug/l		99
49) 1,4-Dioxane	7.641	88	12922	442.088	ug/l		97
51) 4-Methyl-2-Pentanone	8.555	43	340376	105.728	ug/l		99
52) Toluene	8.702	92	125521	20.286	ug/l		100
53) t-1,3-Dichloropropene	8.964	75	75998	19.294	ug/l		99
54) cis-1,3-Dichloropropene	8.348	75	82725	19.649	ug/l		100
55) 1,1,2-Trichloroethane	9.135	97	47766	20.021	ug/l		97
56) Ethyl methacrylate	9.098	69	74891	19.988	ug/l		99
57) 1,3-Dichloropropane	9.293	76	83720	20.427	ug/l		98
58) 2-Chloroethyl Vinyl ether	8.226	63	143078	87.280	ug/l		100
59) 2-Hexanone	9.415	43	236656	102.353	ug/l		99
60) Dibromochloromethane	9.506	129	55109	20.047	ug/l		99
61) 1,2-Dibromoethane	9.592	107	49855	20.516	ug/l		100
64) Tetrachloroethene	9.256	164	39697	20.395	ug/l		96
65) Chlorobenzene	10.061	112	134843	19.879	ug/l		98
66) 1,1,1,2-Tetrachloroethane	10.147	131	46247	19.758	ug/l		100
67) Ethyl Benzene	10.177	91	238457	20.374	ug/l		100
68) m/p-Xylenes	10.287	106	179504	41.206	ug/l		98
69) o-Xylene	10.622	106	84887	20.146	ug/l		100
70) Styrene	10.640	104	148789	20.153	ug/l		99
71) Bromoform	10.781	173	34739	19.876	ug/l	#	99
73) Isopropylbenzene	10.945	105	218637	19.692	ug/l		99
74) N-amyl acetate	10.823	43	99633	19.678	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.195	83	66686	19.852	ug/l		99
76) 1,2,3-Trichloropropane	11.220	75	75234	25.444	ug/l		89
77) Bromobenzene	11.183	156	53519	19.571	ug/l		99
78) n-propylbenzene	11.287	91	260496	19.847	ug/l		99
79) 2-Chlorotoluene	11.348	91	156568	19.476	ug/l		99
80) 1,3,5-Trimethylbenzene	11.433	105	181815	19.931	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.000	75	21163	18.252	ug/l		97
82) 4-Chlorotoluene	11.439	91	189446	19.954	ug/l		100
83) tert-Butylbenzene	11.695	119	180209	19.298	ug/l		99
84) 1,2,4-Trimethylbenzene	11.732	105	184775	19.979	ug/l		99
85) sec-Butylbenzene	11.872	105	221990	20.014	ug/l		99
86) p-Isopropyltoluene	11.994	119	185890	19.796	ug/l		99
87) 1,3-Dichlorobenzene	11.951	146	99921	19.672	ug/l		99
88) 1,4-Dichlorobenzene	12.024	146	101411	19.453	ug/l		98
89) n-Butylbenzene	12.311	91	174651	20.101	ug/l		98
90) Hexachloroethane	12.518	117	31341	19.010	ug/l		100
91) 1,2-Dichlorobenzene	12.317	146	94793	19.589	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	12.920	75	13079	19.231	ug/l		98
93) 1,2,4-Trichlorobenzene	13.567	180	59106	18.794	ug/l		100
94) Hexachlorobutadiene	13.707	225	20772	19.445	ug/l		99
95) Naphthalene	13.756	128	181956	19.000	ug/l		100
96) 1,2,3-Trichlorobenzene	13.945	180	56854	19.434	ug/l		99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091925\
Data File : VX047663.D
Acq On : 19 Sep 2025 10:38
Operator : JC/MD
Sample : VX0919WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0919WBS01

Quant Time: Sep 20 00:27:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

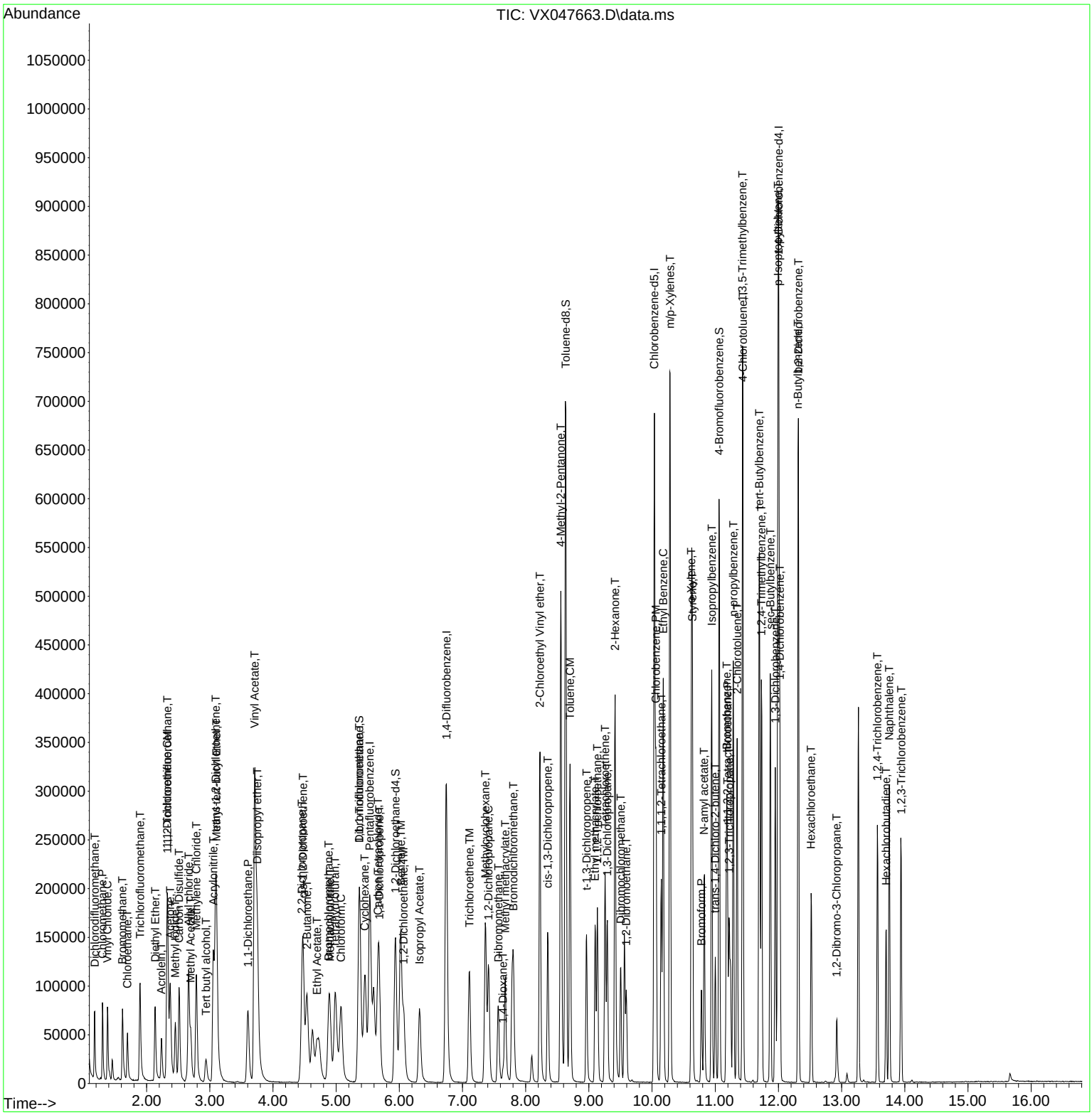
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

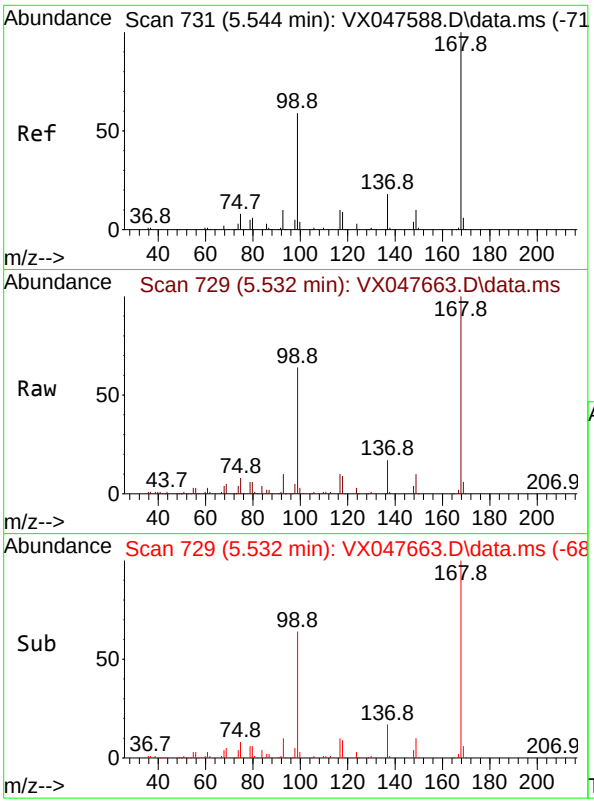
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091925\
Data File : VX047663.D
Acq On : 19 Sep 2025 10:38
Operator : JC/MD
Sample : VX0919WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0919WBS01

Quant Time: Sep 20 00:27:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



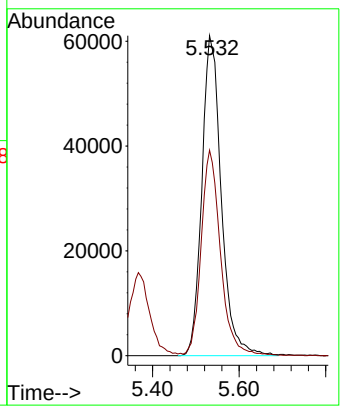


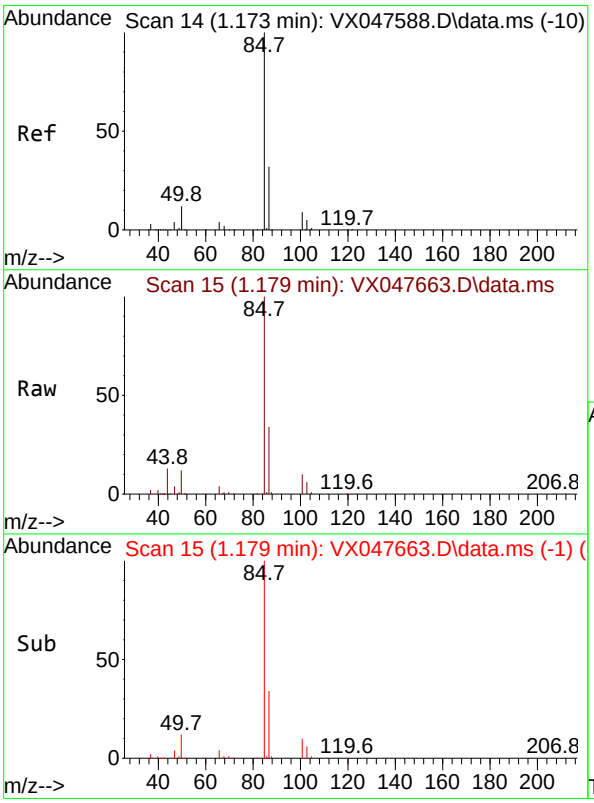
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.532 min Scan# 7
Delta R.T. -0.012 min
Lab File: VX047663.D
Acq: 19 Sep 2025 10:38

Instrument :
MSVOA_X
ClientSampleId :
VX0919WBS01

Tgt Ion:168 Resp: 190485

Ion	Ratio	Lower	Upper
168	100		
99	64.0	48.8	73.2

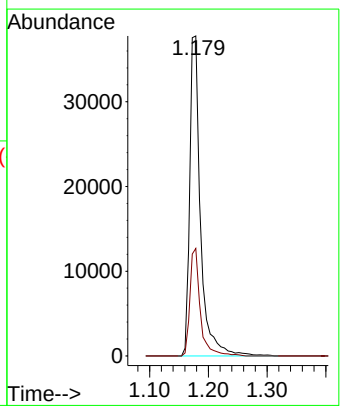


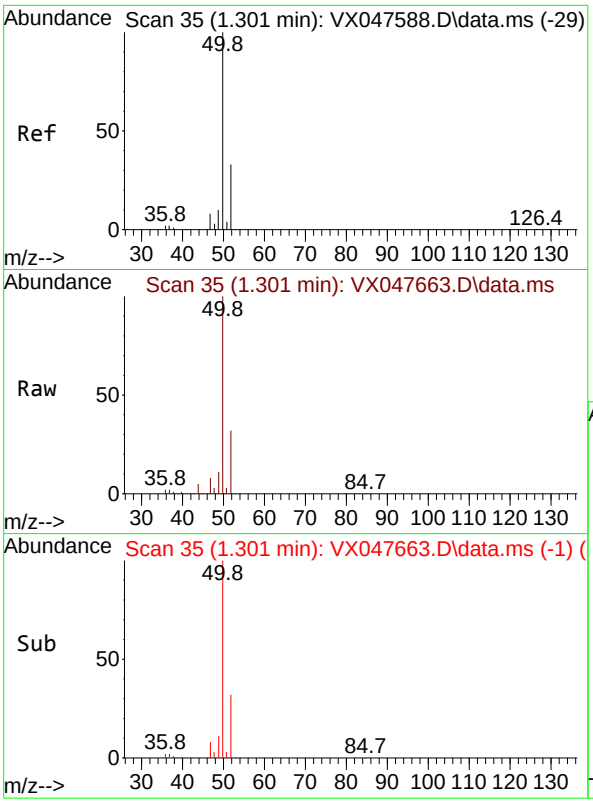


#2
Dichlorodifluoromethane
Concen: 24.430 ug/l
RT: 1.179 min Scan# 15
Delta R.T. 0.006 min
Lab File: VX047663.D
Acq: 19 Sep 2025 10:38

Tgt Ion: 85 Resp: 48189

Ion	Ratio	Lower	Upper
85	100		
87	33.6	15.8	47.3



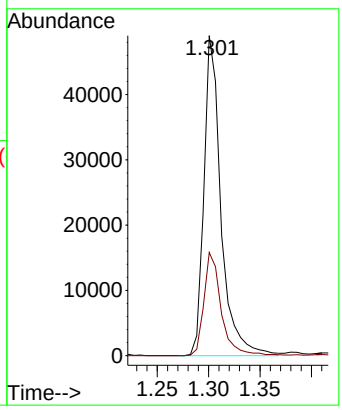


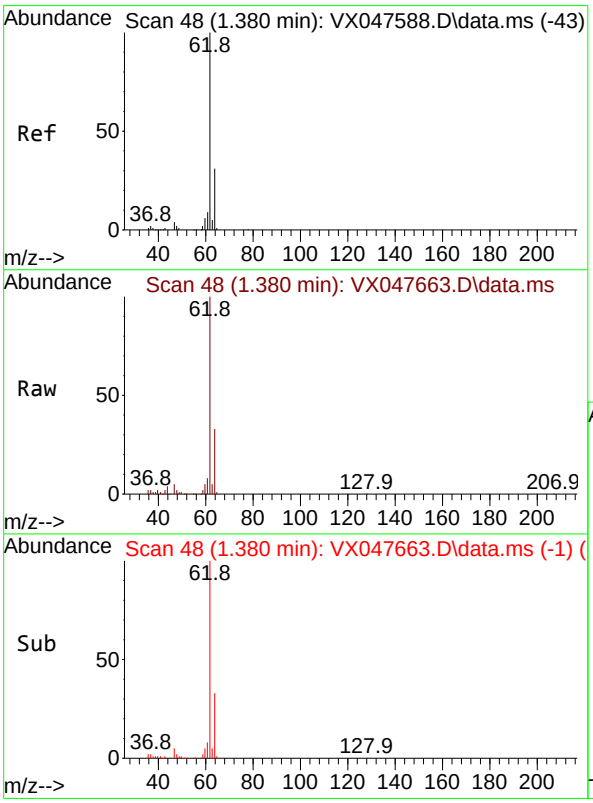
#3
Chloromethane
Concen: 21.857 ug/l
RT: 1.301 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047663.D
Acq: 19 Sep 2025 10:38

Instrument :
MSVOA_X
ClientSampleId :
VX0919WBS01

Tgt Ion: 50 Resp: 56662

Ion	Ratio	Lower	Upper
50	100		
52	32.2	26.1	39.1

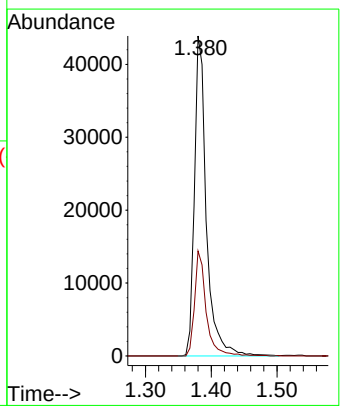


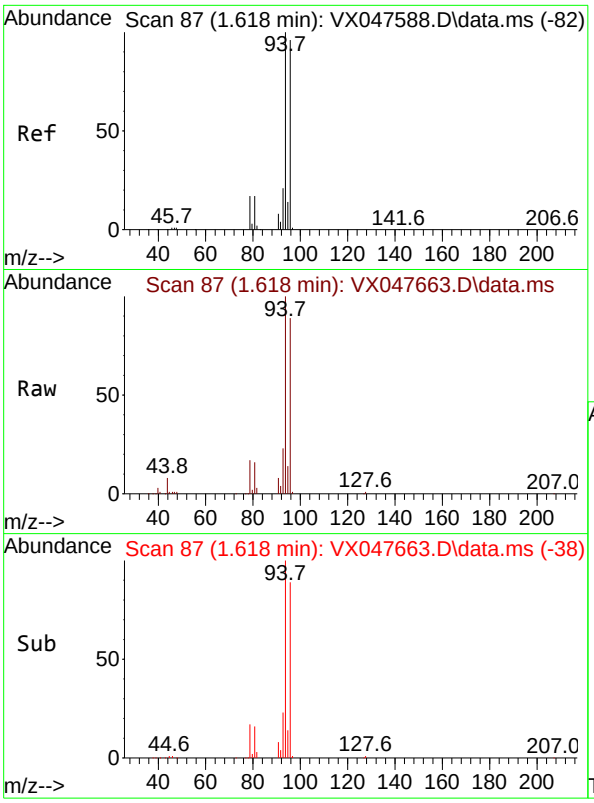


#4
Vinyl Chloride
Concen: 21.771 ug/l
RT: 1.380 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX047663.D
Acq: 19 Sep 2025 10:38

Tgt Ion: 62 Resp: 55247

Ion	Ratio	Lower	Upper
62	100		
64	32.8	24.9	37.3



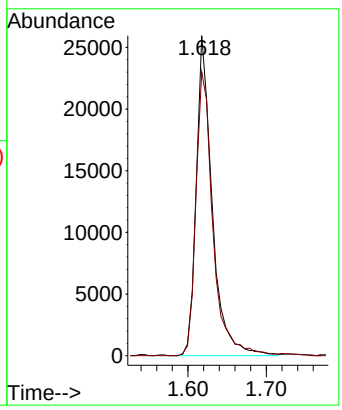


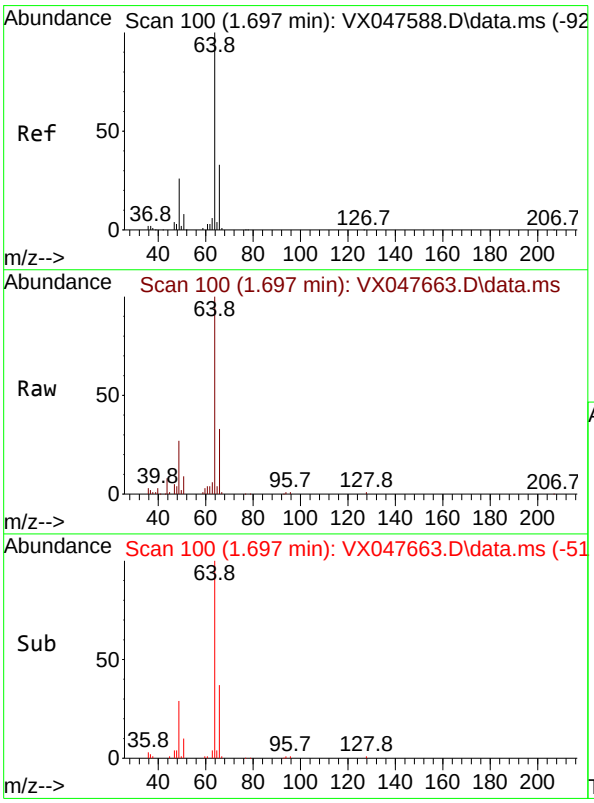
#5
Bromomethane
Concen: 22.971 ug/l
RT: 1.618 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX047663.D
Acq: 19 Sep 2025 10:38

Instrument :
MSVOA_X
ClientSampleId :
VX0919WBS01

Tgt Ion: 94 Resp: 36964

Ion	Ratio	Lower	Upper
94	100		
96	88.7	76.6	115.0

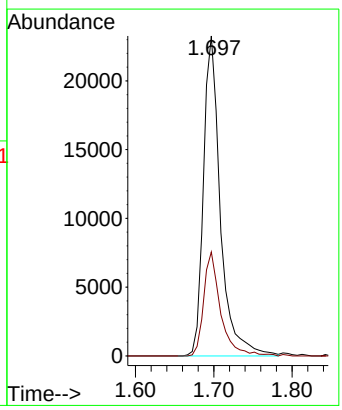


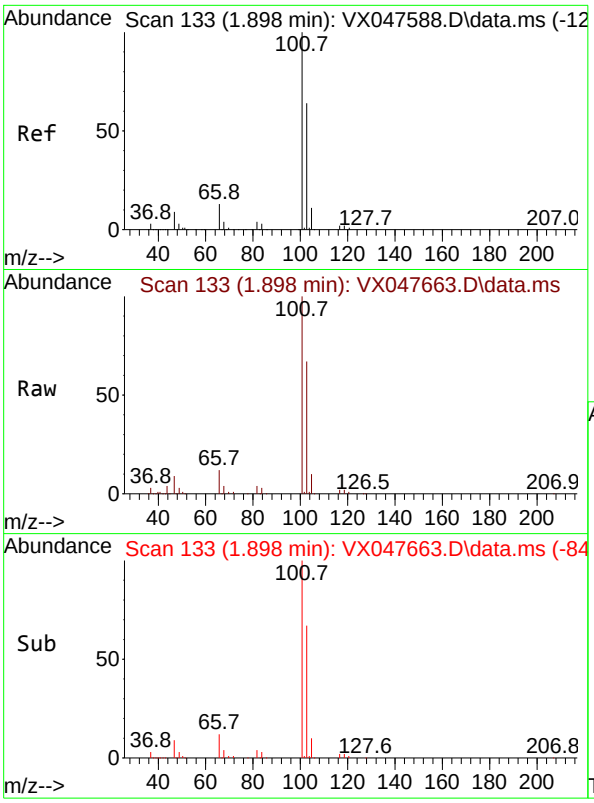


#6
Chloroethane
Concen: 20.547 ug/l
RT: 1.697 min Scan# 100
Delta R.T. -0.000 min
Lab File: VX047663.D
Acq: 19 Sep 2025 10:38

Tgt Ion: 64 Resp: 34850

Ion	Ratio	Lower	Upper
64	100		
66	32.5	26.1	39.1



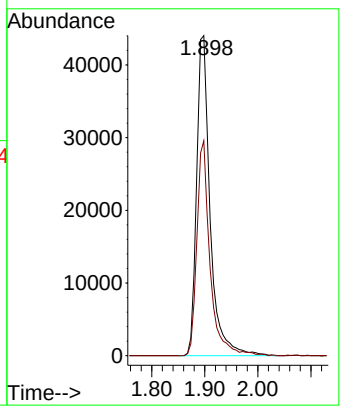


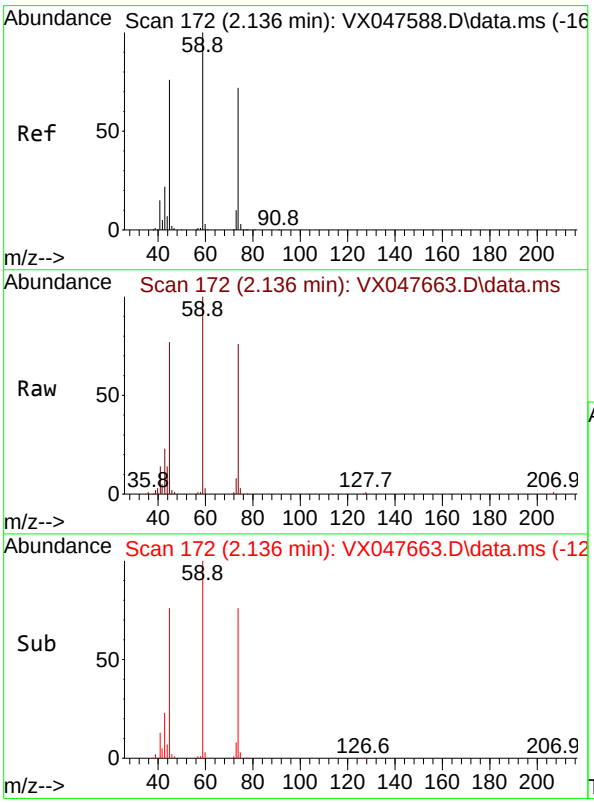
#7
Trichlorofluoromethane
Concen: 20.628 ug/l
RT: 1.898 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047663.D
Acq: 19 Sep 2025 10:38

Instrument :
MSVOA_X
ClientSampleId :
VX0919WBS01

Tgt Ion:101 Resp: 77725

Ion	Ratio	Lower	Upper
101	100		
103	67.2	51.4	77.2

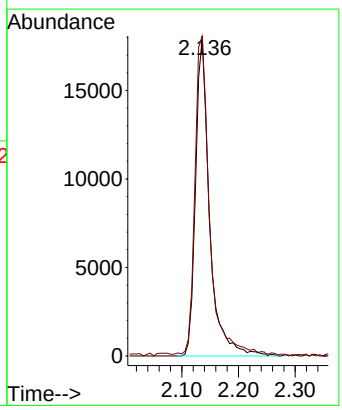


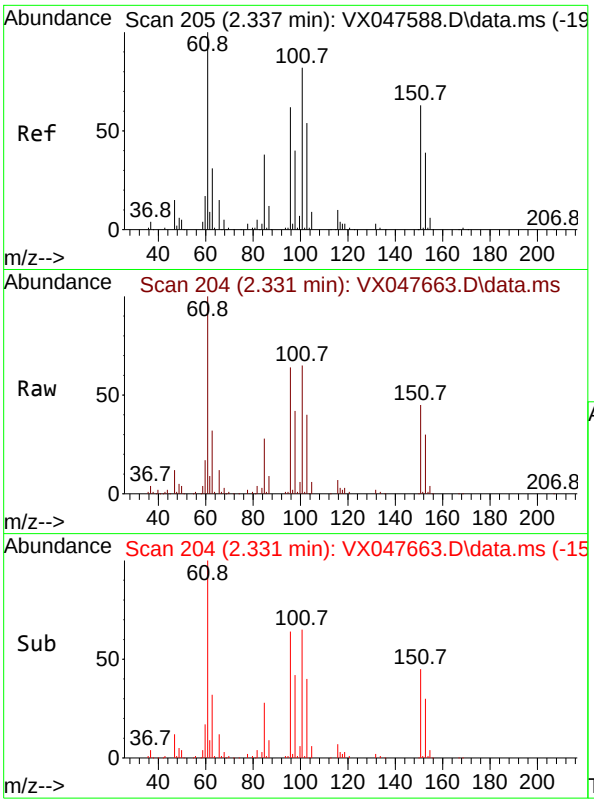


#8
Diethyl Ether
Concen: 19.990 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX047663.D
Acq: 19 Sep 2025 10:38

Tgt Ion: 74 Resp: 30811

Ion	Ratio	Lower	Upper
74	100		
45	106.7	52.3	156.8



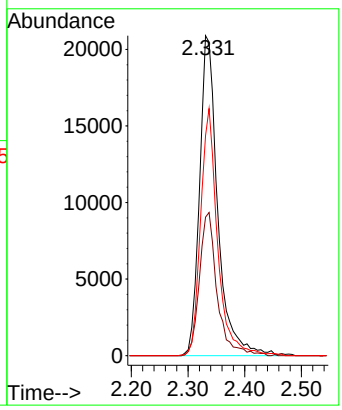


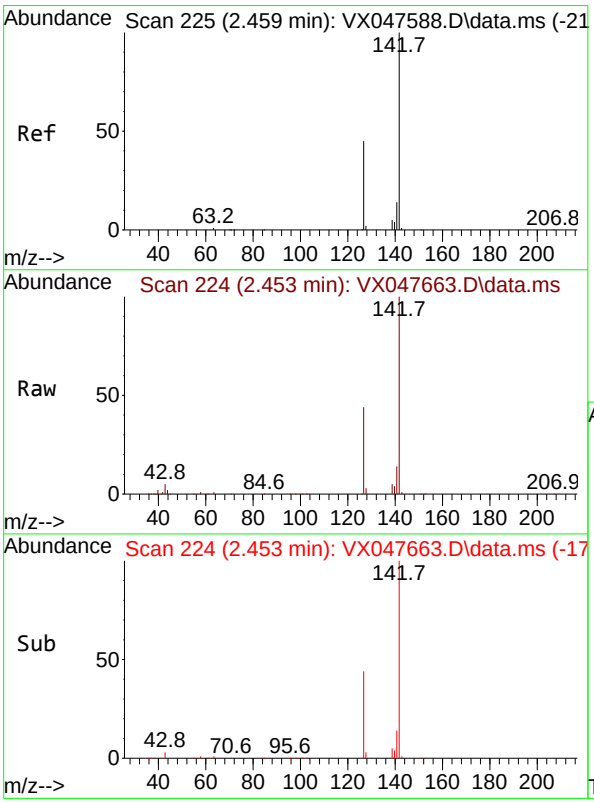
#9
1,1,2-Trichlorotrifluoroethane
Concen: 21.095 ug/l
RT: 2.331 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047663.D
Acq: 19 Sep 2025 10:38

Instrument :
MSVOA_X
ClientSampleId :
VX0919WBS01

Tgt Ion:101 Resp: 46477

Ion	Ratio	Lower	Upper
101	100		
85	43.7	35.5	53.3
151	72.6	59.4	89.0

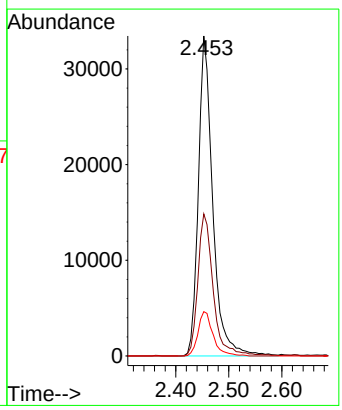


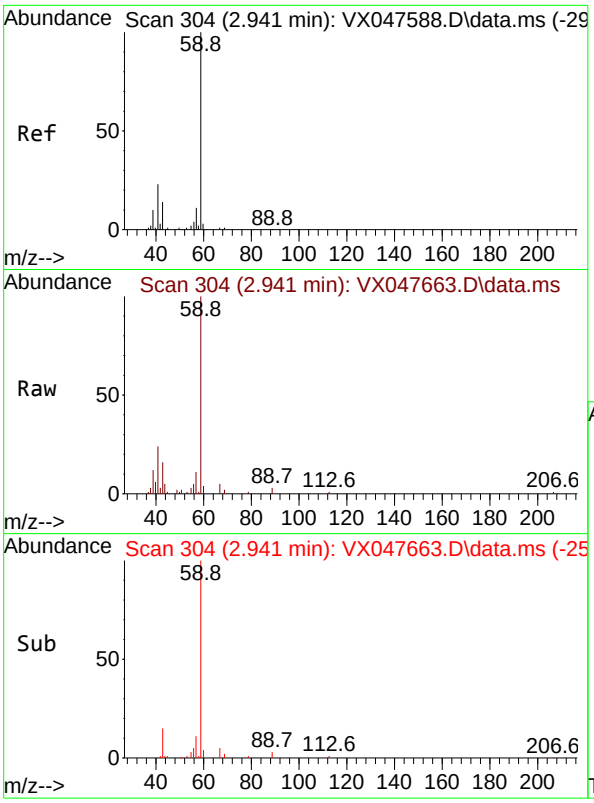


#10
Methyl Iodide
Concen: 18.406 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.006 min
Lab File: VX047663.D
Acq: 19 Sep 2025 10:38

Tgt Ion:142 Resp: 63244

Ion	Ratio	Lower	Upper
142	100		
127	47.2	37.2	55.8
141	14.4	11.4	17.0



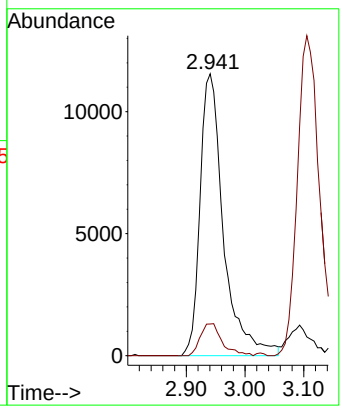


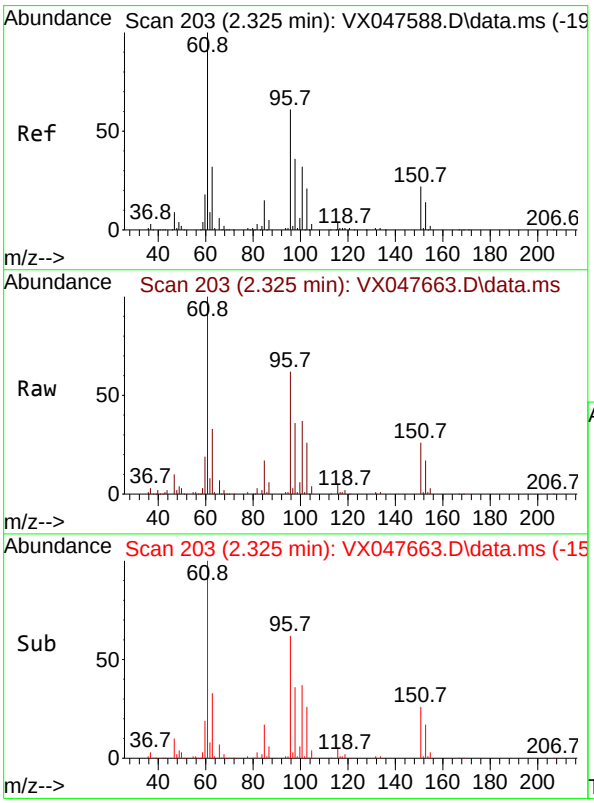
#11
Tert butyl alcohol
Concen: 94.614 ug/l
RT: 2.941 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047663.D
Acq: 19 Sep 2025 10:38

Instrument :
MSVOA_X
ClientSampleId :
VX0919WBS01

Tgt Ion: 59 Resp: 31950

Ion	Ratio	Lower	Upper
59	100		
57	10.6	8.3	12.5

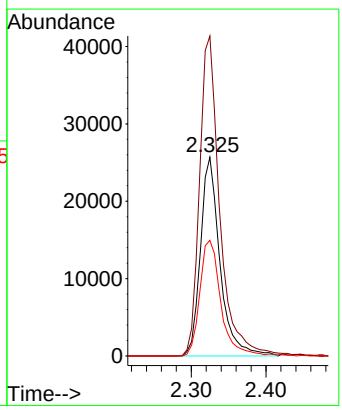


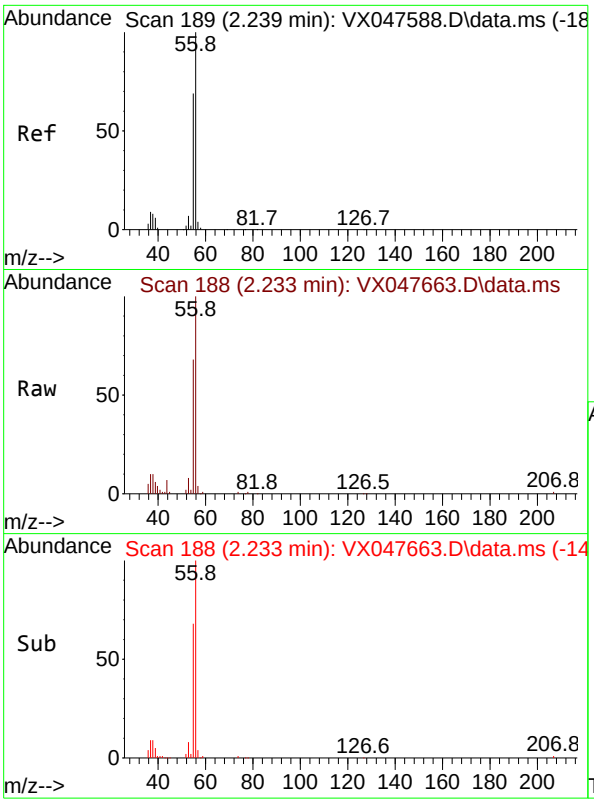


#12
1,1-Dichloroethene
Concen: 20.645 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX047663.D
Acq: 19 Sep 2025 10:38

Tgt Ion: 96 Resp: 46724

Ion	Ratio	Lower	Upper
96	100		
61	161.0	131.0	196.6
98	60.2	47.7	71.5



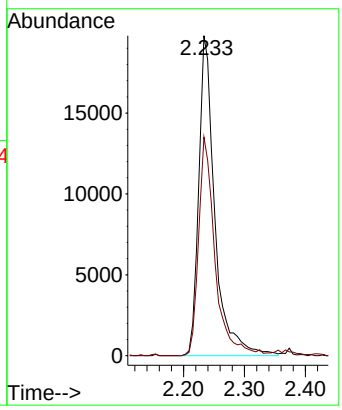


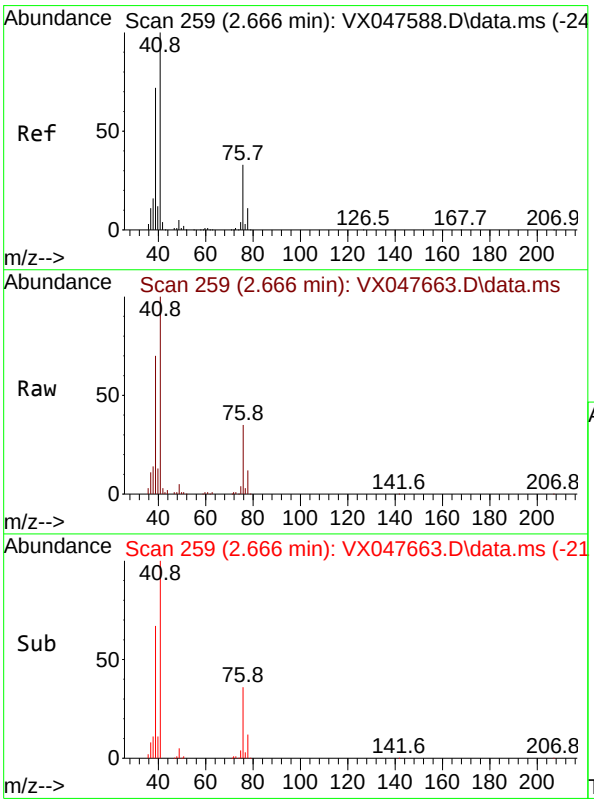
#13
Acrolein
Concen: 116.866 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047663.D
Acq: 19 Sep 2025 10:38

Instrument :
MSVOA_X
ClientSampleId :
VX0919WBS01

Tgt Ion: 56 Resp: 36367

Ion	Ratio	Lower	Upper
56	100		
55	69.8	57.2	85.8

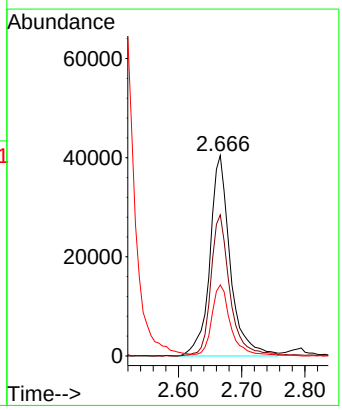


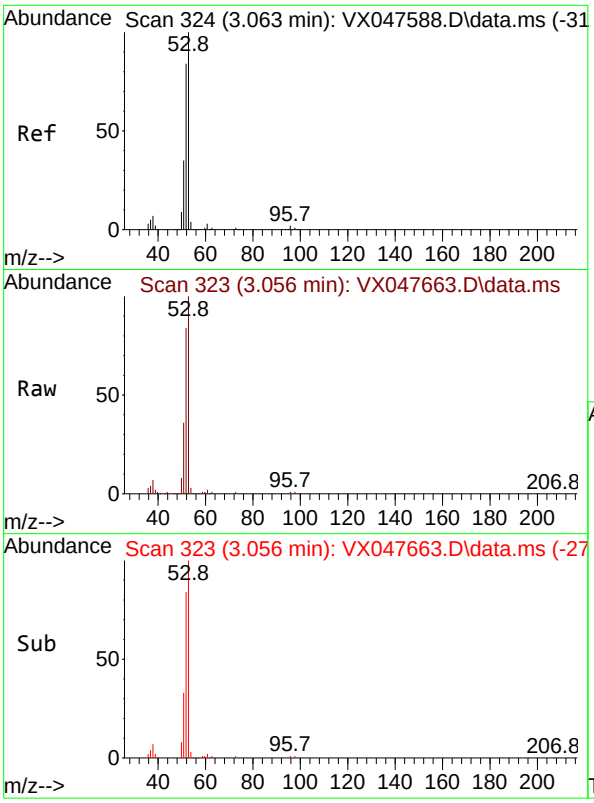


#14
Allyl chloride
Concen: 19.400 ug/l
RT: 2.666 min Scan# 259
Delta R.T. -0.000 min
Lab File: VX047663.D
Acq: 19 Sep 2025 10:38

Tgt Ion: 41 Resp: 90599

Ion	Ratio	Lower	Upper
41	100		
39	66.3	54.7	82.1
76	33.0	25.7	38.5



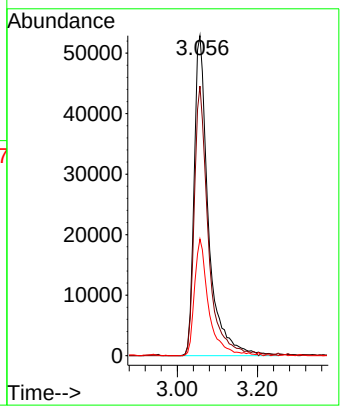


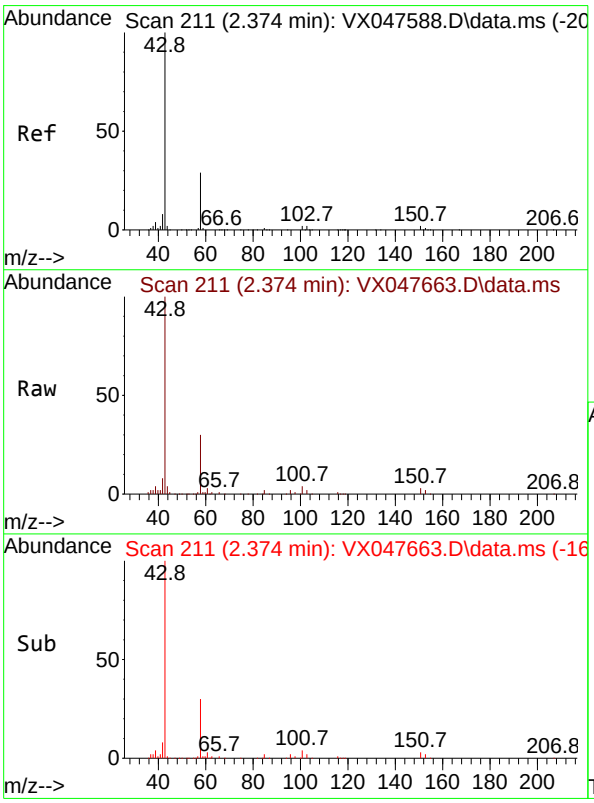
#15
Acrylonitrile
Concen: 104.748 ug/l
RT: 3.056 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047663.D
Acq: 19 Sep 2025 10:38

Instrument :
MSVOA_X
ClientSampleId :
VX0919WBS01

Tgt Ion: 53 Resp: 131021

Ion	Ratio	Lower	Upper
53	100		
52	82.3	66.4	99.6
51	36.3	29.5	44.3

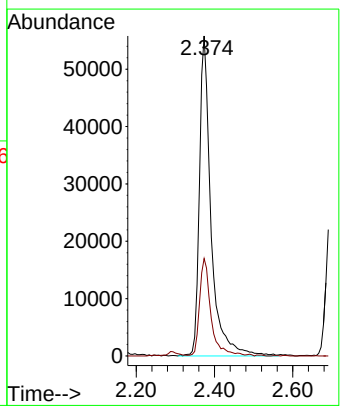


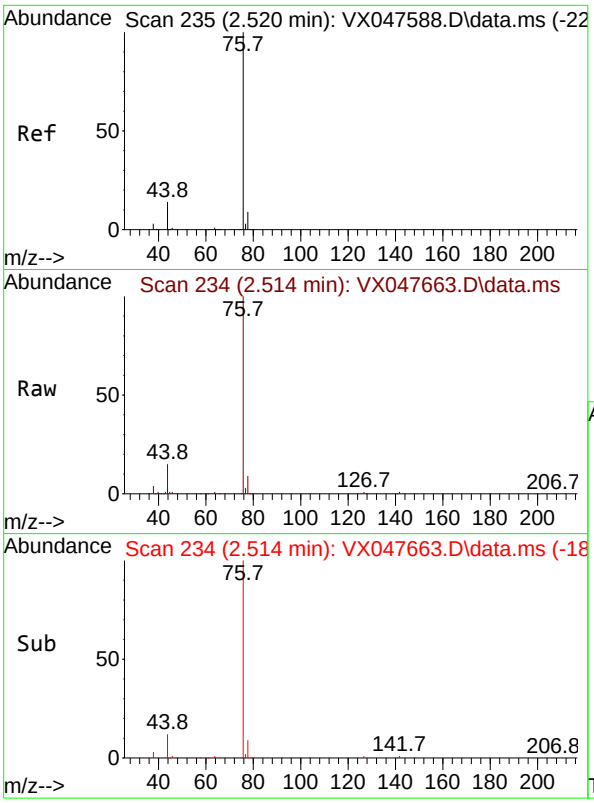


#16
Acetone
Concen: 87.256 ug/l
RT: 2.374 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX047663.D
Acq: 19 Sep 2025 10:38

Tgt Ion: 43 Resp: 115033

Ion	Ratio	Lower	Upper
43	100		
58	30.4	23.4	35.0



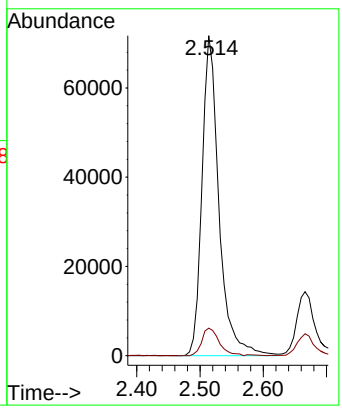


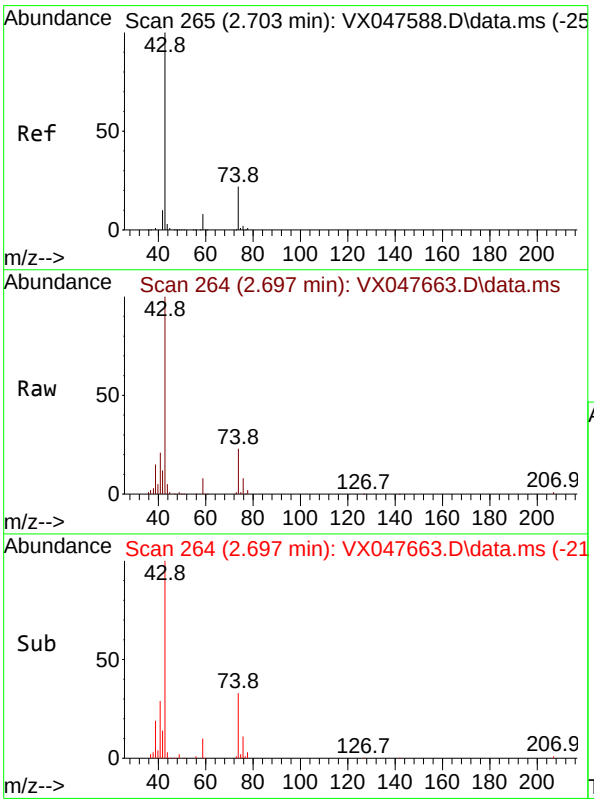
#17
Carbon Disulfide
Concen: 21.610 ug/l
RT: 2.514 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047663.D
Acq: 19 Sep 2025 10:38

Instrument :
MSVOA_X
ClientSampleId :
VX0919WBS01

Tgt Ion: 76 Resp: 133885

Ion	Ratio	Lower	Upper
76	100		
78	8.8	6.8	10.2

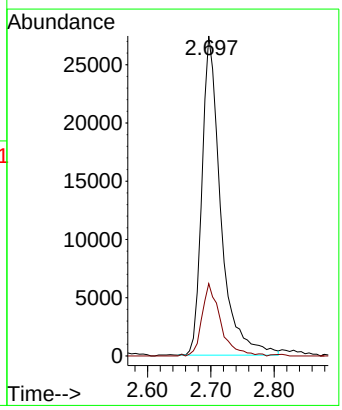


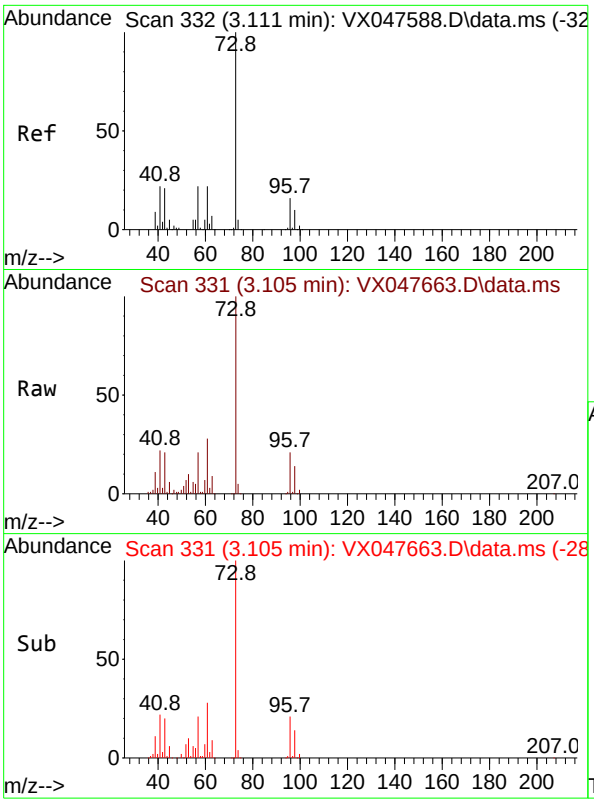


#18
Methyl Acetate
Concen: 19.367 ug/l
RT: 2.697 min Scan# 264
Delta R.T. -0.006 min
Lab File: VX047663.D
Acq: 19 Sep 2025 10:38

Tgt Ion: 43 Resp: 56823

Ion	Ratio	Lower	Upper
43	100		
74	22.4	17.4	26.2



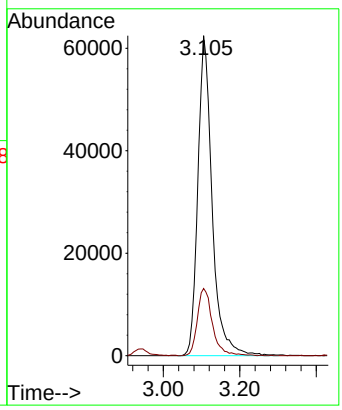


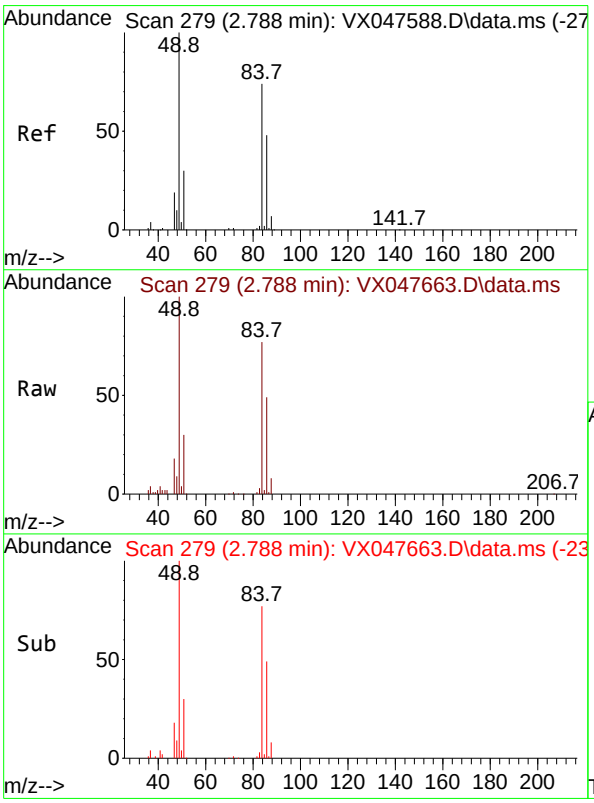
#19
Methyl tert-butyl Ether
Concen: 19.580 ug/l
RT: 3.105 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047663.D
Acq: 19 Sep 2025 10:38

Instrument :
MSVOA_X
ClientSampleId :
VX0919WBS01

Tgt Ion: 73 Resp: 161762

Ion	Ratio	Lower	Upper
73	100		
57	21.0	17.4	26.2

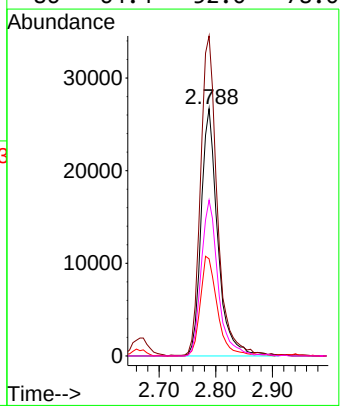


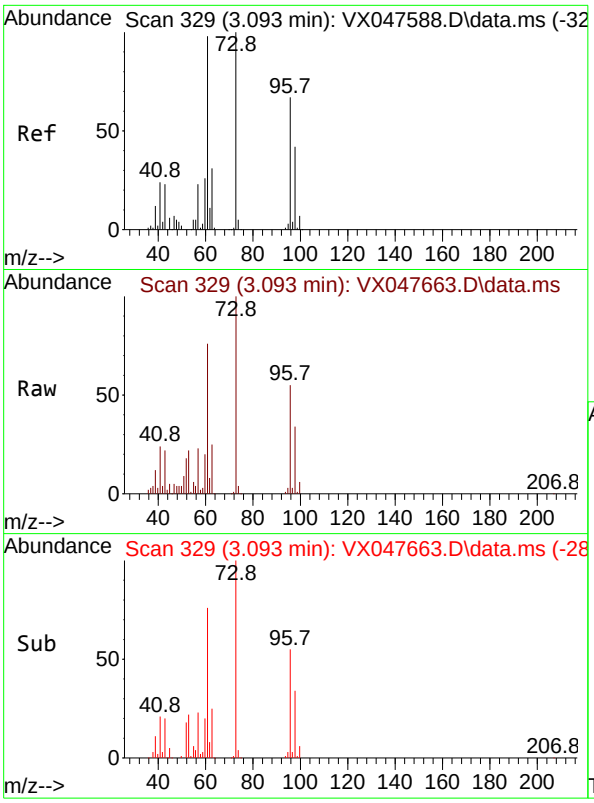


#20
Methylene Chloride
Concen: 19.514 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX047663.D
Acq: 19 Sep 2025 10:38

Tgt Ion: 84 Resp: 54454

Ion	Ratio	Lower	Upper
84	100		
49	129.1	108.6	162.8
51	39.3	32.6	48.8
86	64.4	52.0	78.0



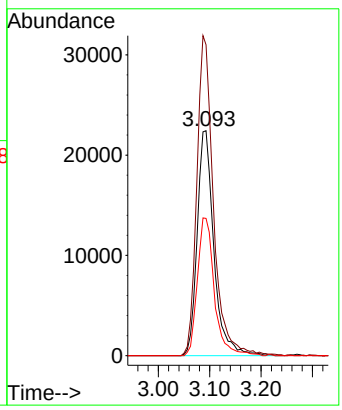


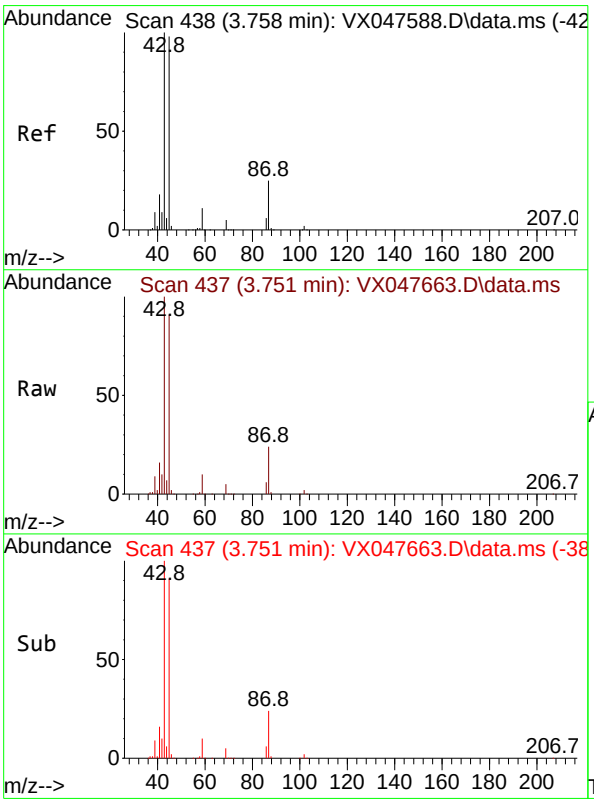
#21
trans-1,2-Dichloroethene
Concen: 20.813 ug/l
RT: 3.093 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047663.D
Acq: 19 Sep 2025 10:38

Instrument :
MSVOA_X
ClientSampleId :
VX0919WBS01

Tgt Ion: 96 Resp: 50713

Ion	Ratio	Lower	Upper
96	100		
61	131.1	116.2	174.2
98	57.9	49.3	73.9

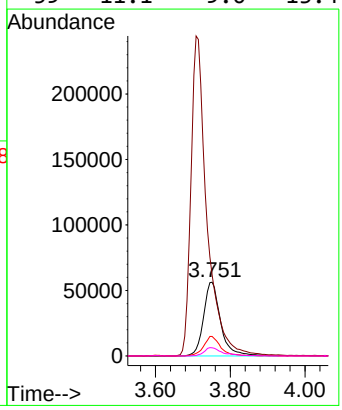


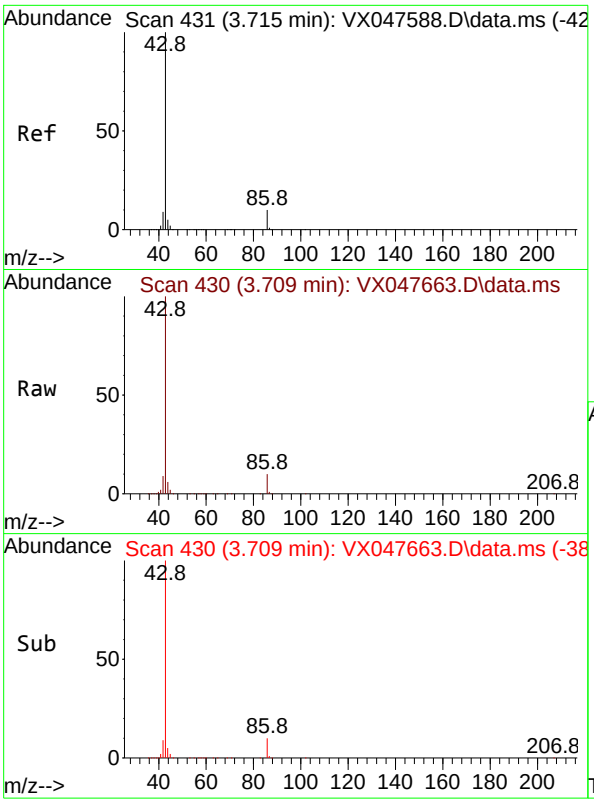


#22
Diisopropyl ether
Concen: 19.667 ug/l
RT: 3.751 min Scan# 437
Delta R.T. -0.006 min
Lab File: VX047663.D
Acq: 19 Sep 2025 10:38

Tgt Ion: 45 Resp: 178004

Ion	Ratio	Lower	Upper
45	100		
43	108.9	81.0	121.4
87	26.5	20.3	30.5
59	11.1	9.0	13.4



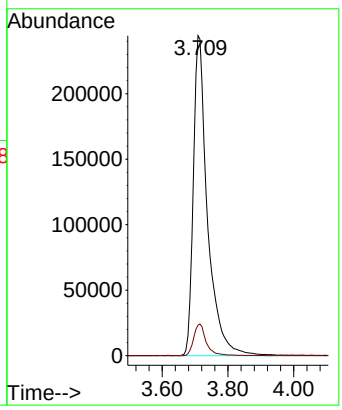


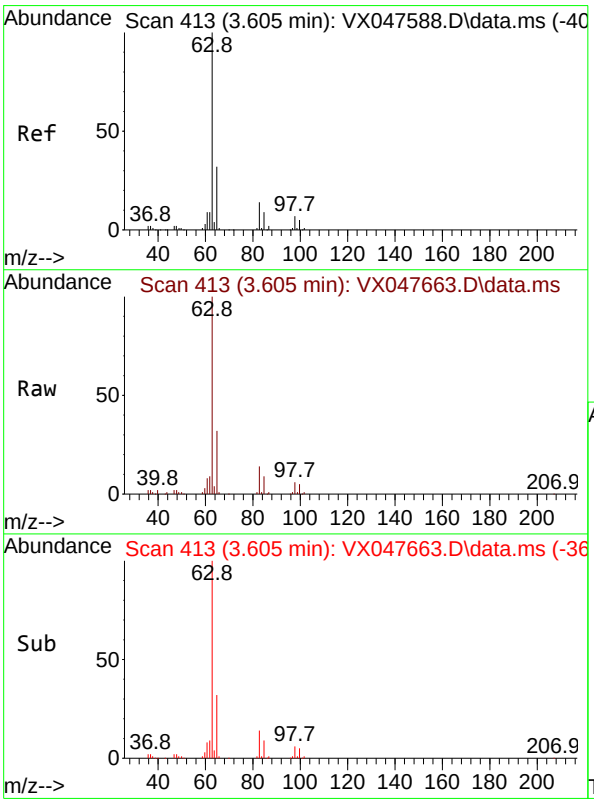
#23
Vinyl Acetate
Concen: 100.705 ug/l
RT: 3.709 min Scan# 4
Delta R.T. -0.006 min
Lab File: VX047663.D
Acq: 19 Sep 2025 10:38

Instrument :
MSVOA_X
ClientSampleId :
VX0919WBS01

Tgt Ion: 43 Resp: 729482

Ion	Ratio	Lower	Upper
43	100		
86	10.4	7.8	11.8

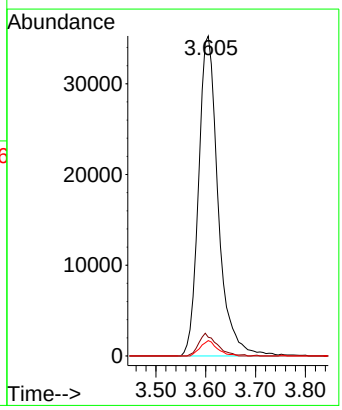


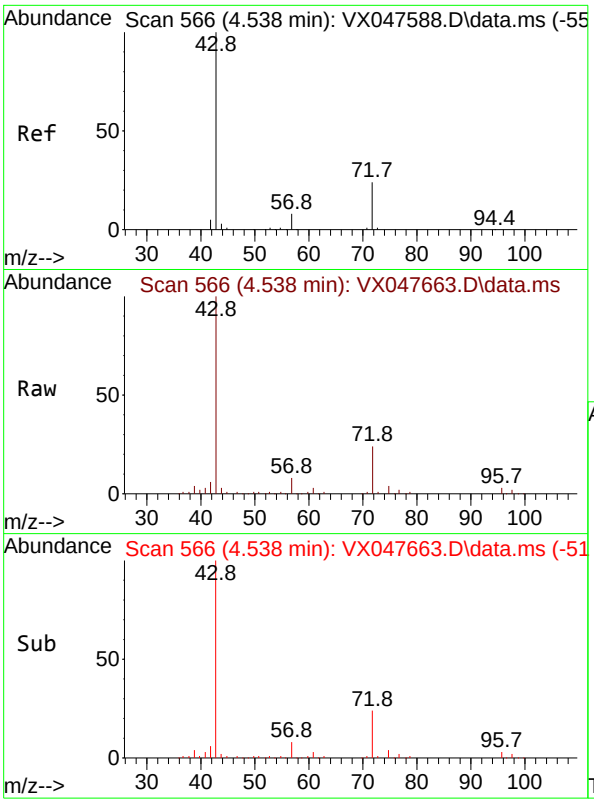


#24
1,1-Dichloroethane
Concen: 19.987 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX047663.D
Acq: 19 Sep 2025 10:38

Tgt Ion: 63 Resp: 96151

Ion	Ratio	Lower	Upper
63	100		
98	5.9	3.8	11.2
100	4.8	2.3	6.9



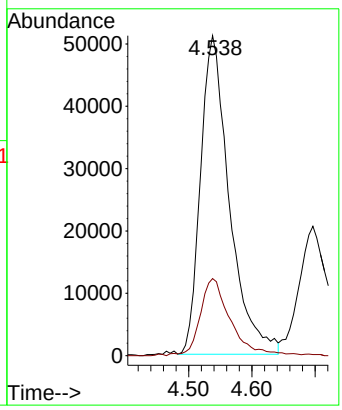


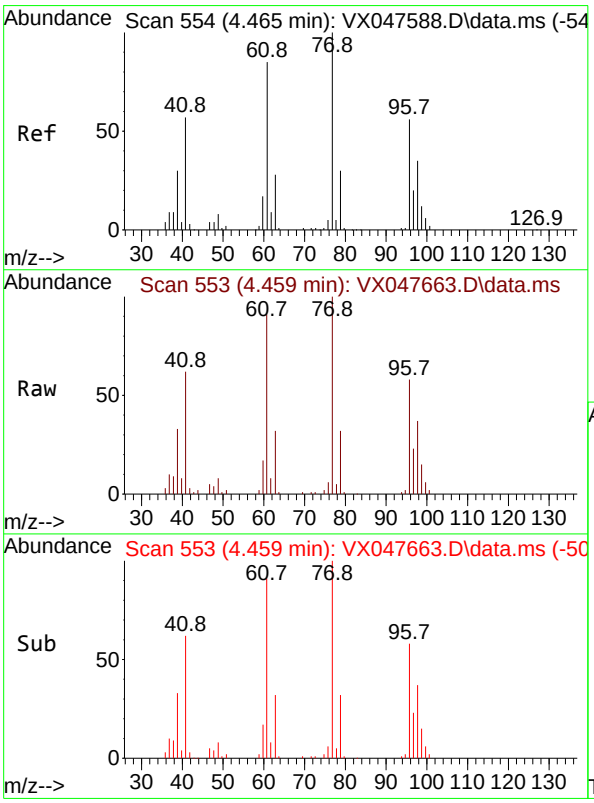
#25
2-Butanone
Concen: 98.842 ug/l
RT: 4.538 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX047663.D
Acq: 19 Sep 2025 10:38

Instrument :
MSVOA_X
ClientSampleId :
VX0919WBS01

Tgt Ion: 43 Resp: 162542

Ion	Ratio	Lower	Upper
43	100		
72	23.6	20.1	30.1

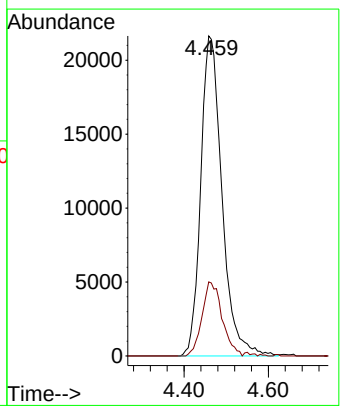


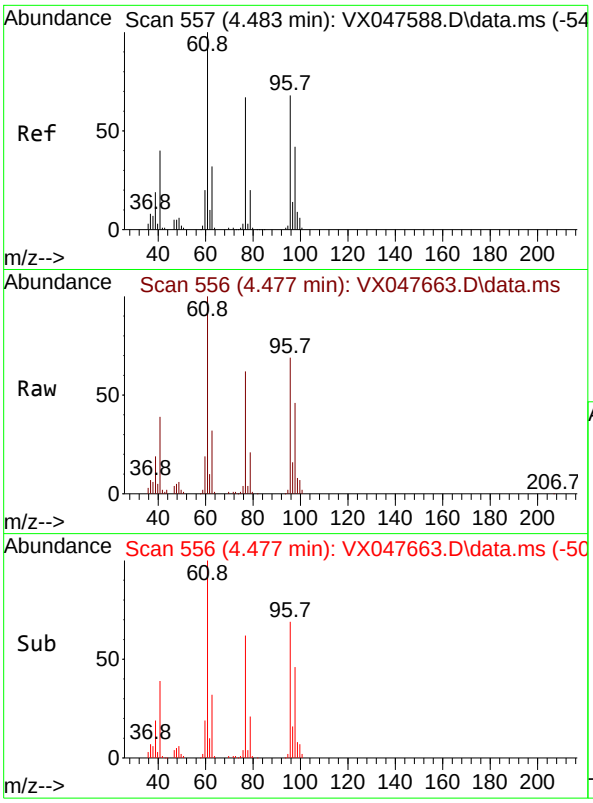


#26
2,2-Dichloropropane
Concen: 18.948 ug/l
RT: 4.459 min Scan# 553
Delta R.T. -0.006 min
Lab File: VX047663.D
Acq: 19 Sep 2025 10:38

Tgt Ion: 77 Resp: 75768

Ion	Ratio	Lower	Upper
77	100		
97	21.9	10.9	32.7



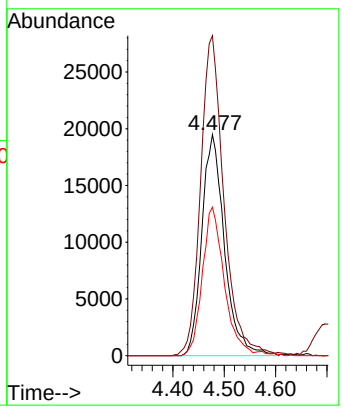


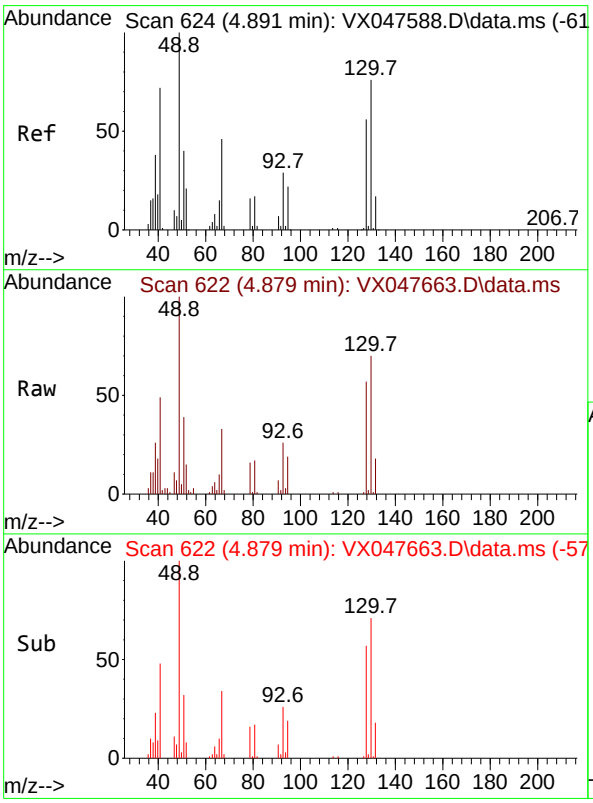
#27
cis-1,2-Dichloroethene
Concen: 19.998 ug/l
RT: 4.477 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX047663.D
Acq: 19 Sep 2025 10:38

Instrument :
MSVOA_X
ClientSampleId :
VX0919WBS01

Tgt Ion: 96 Resp: 59674

Ion	Ratio	Lower	Upper
96	100		
61	149.4	0.0	303.2
98	64.8	0.0	127.8

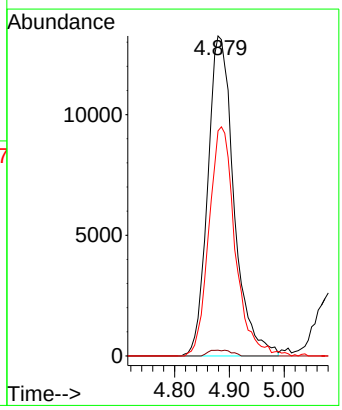


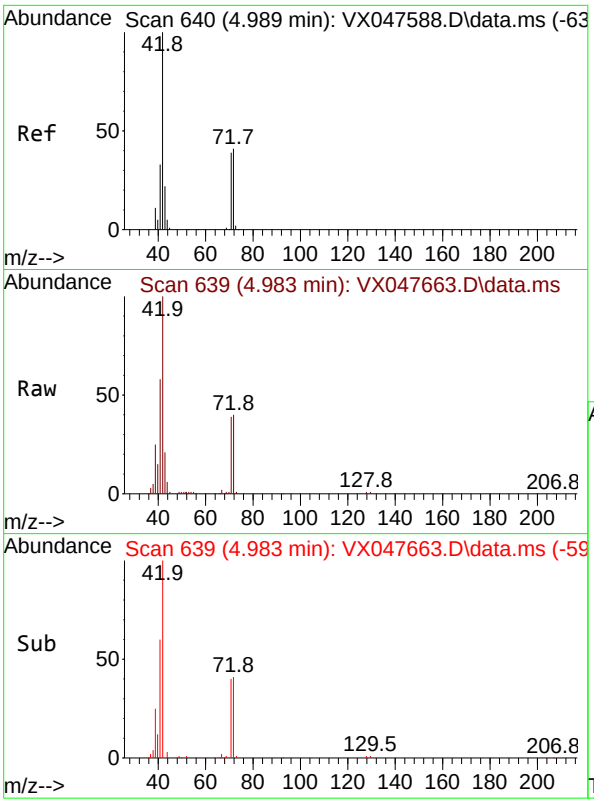


#28
Bromochloromethane
Concen: 20.939 ug/l
RT: 4.879 min Scan# 622
Delta R.T. -0.012 min
Lab File: VX047663.D
Acq: 19 Sep 2025 10:38

Tgt Ion: 49 Resp: 43974

Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	3.2
130	71.7	57.8	86.8



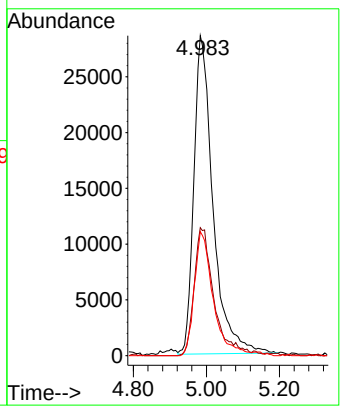


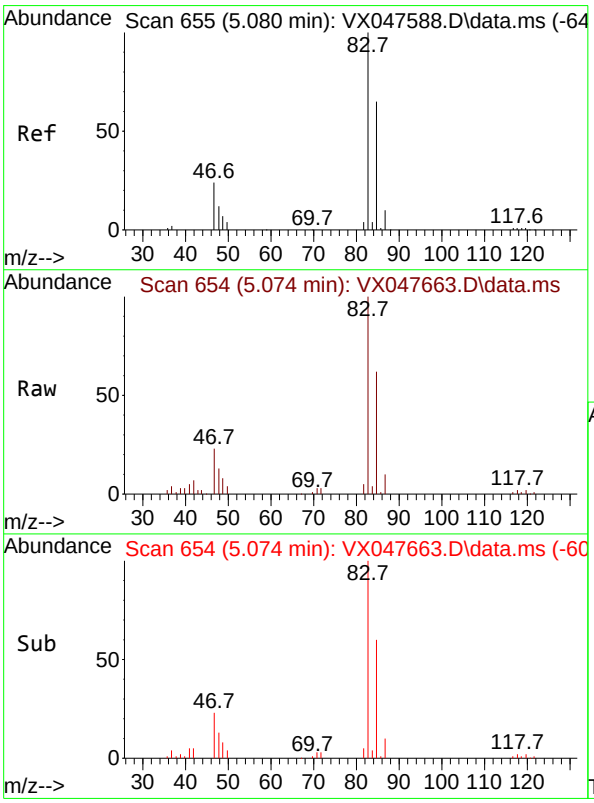
#29
Tetrahydrofuran
Concen: 104.940 ug/l
RT: 4.983 min Scan# 6
Delta R.T. -0.006 min
Lab File: VX047663.D
Acq: 19 Sep 2025 10:38

Instrument :
MSVOA_X
ClientSampleId :
VX0919WBS01

Tgt Ion: 42 Resp: 103814

Ion	Ratio	Lower	Upper
42	100		
72	41.5	34.2	51.2
71	38.4	31.9	47.9

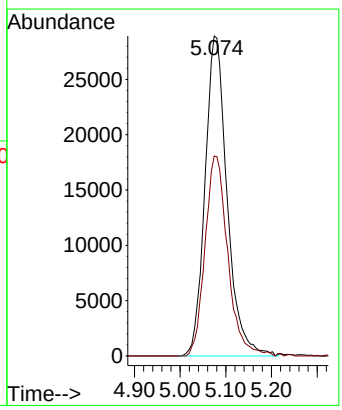


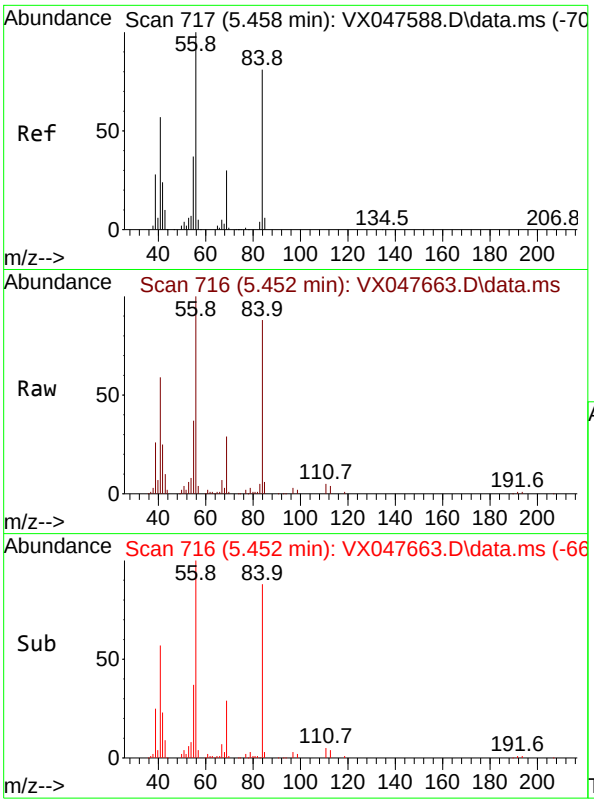


#30
Chloroform
Concen: 20.030 ug/l
RT: 5.074 min Scan# 654
Delta R.T. -0.006 min
Lab File: VX047663.D
Acq: 19 Sep 2025 10:38

Tgt Ion: 83 Resp: 97368

Ion	Ratio	Lower	Upper
83	100		
85	62.5	51.8	77.6



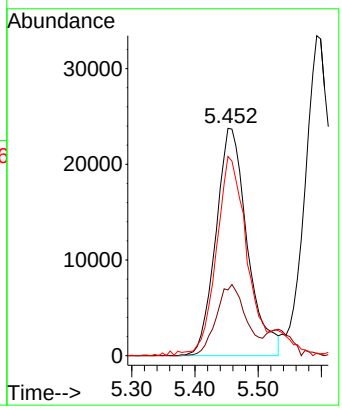


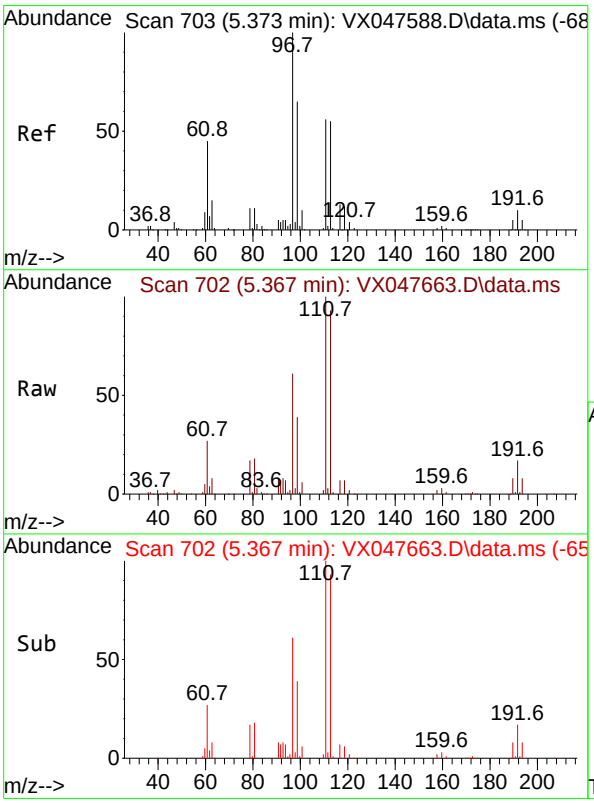
#31
Cyclohexane
Concen: 20.435 ug/l
RT: 5.452 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047663.D
Acq: 19 Sep 2025 10:38

Instrument :
MSVOA_X
ClientSampleId :
VX0919WBS01

Tgt Ion: 56 Resp: 81875

Ion	Ratio	Lower	Upper
56	100		
69	29.6	23.8	35.8
84	85.6	64.6	97.0

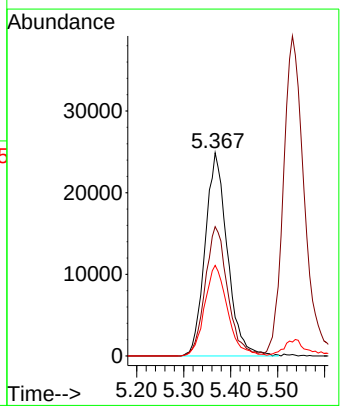


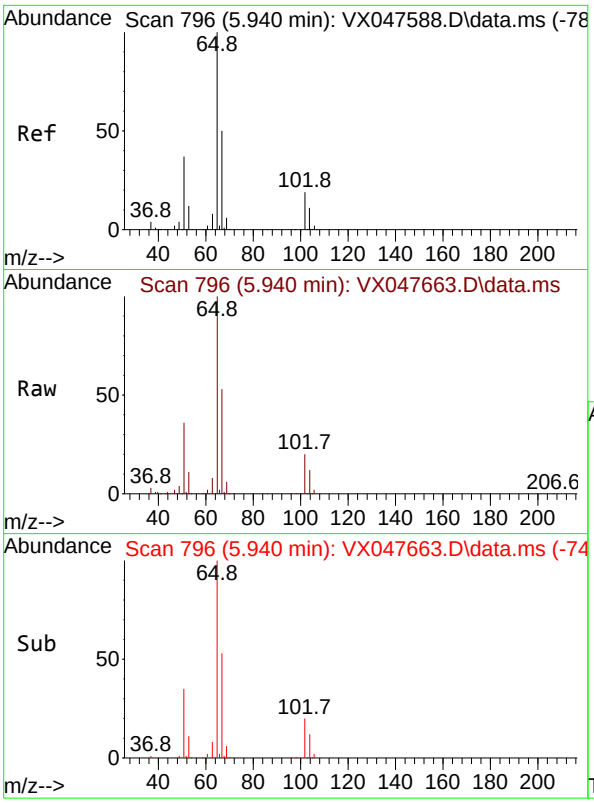


#32
1,1,1-Trichloroethane
Concen: 19.862 ug/l
RT: 5.367 min Scan# 702
Delta R.T. -0.006 min
Lab File: VX047663.D
Acq: 19 Sep 2025 10:38

Tgt Ion: 97 Resp: 81898

Ion	Ratio	Lower	Upper
97	100		
99	64.0	50.6	76.0
61	45.7	35.8	53.8



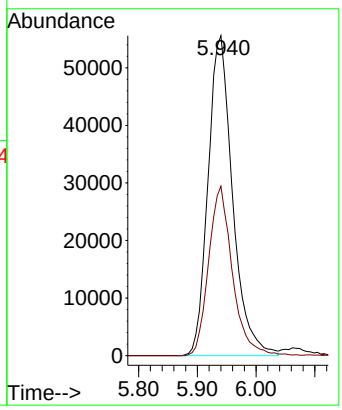


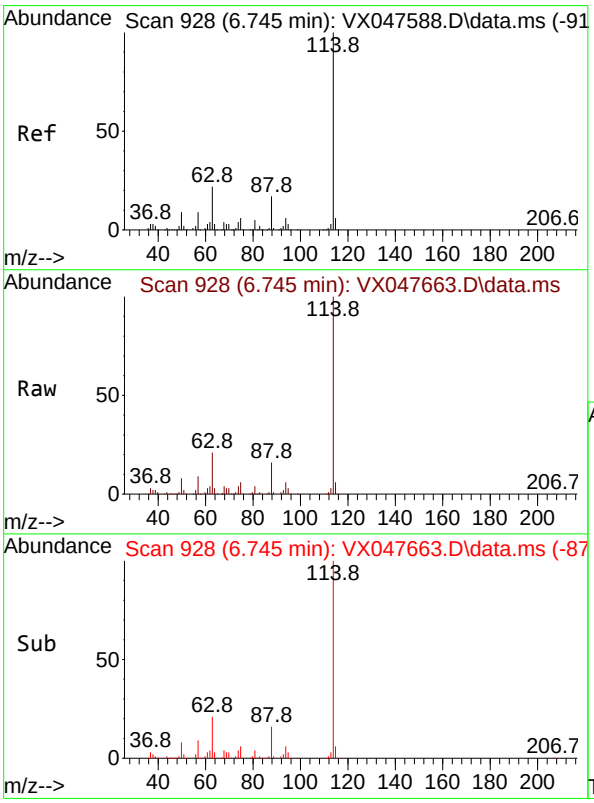
#33
1,2-Dichloroethane-d4
Concen: 53.214 ug/l
RT: 5.940 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047663.D
Acq: 19 Sep 2025 10:38

Instrument :
MSVOA_X
ClientSampleId :
VX0919WBS01

Tgt Ion: 65 Resp: 161347

Ion	Ratio	Lower	Upper
65	100		
67	51.4	0.0	103.0

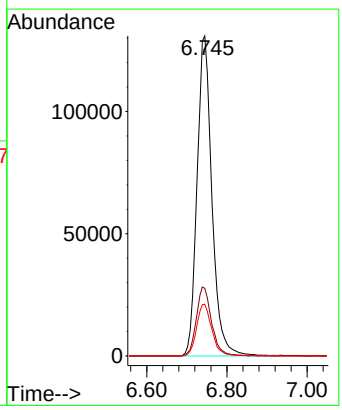


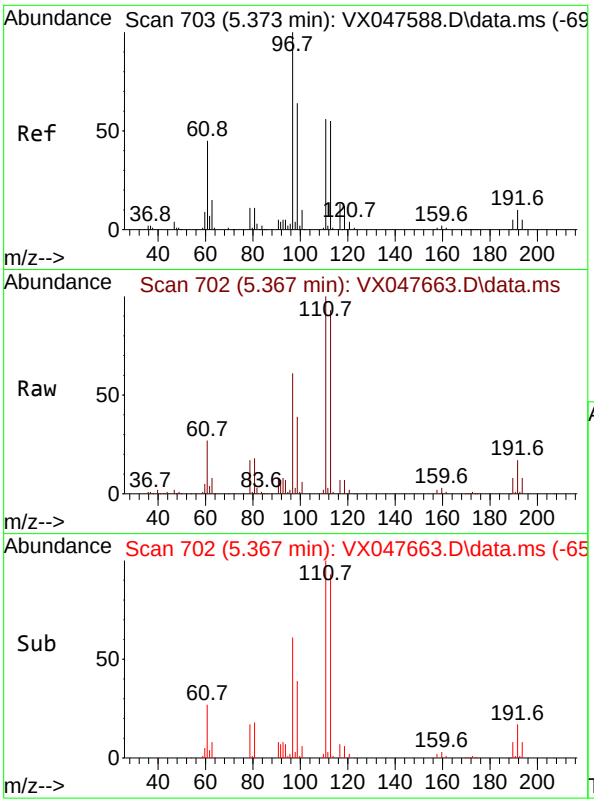


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 928
Delta R.T. -0.000 min
Lab File: VX047663.D
Acq: 19 Sep 2025 10:38

Tgt Ion:114 Resp: 337411

Ion	Ratio	Lower	Upper
114	100		
63	21.2	0.0	44.0
88	16.1	0.0	34.2



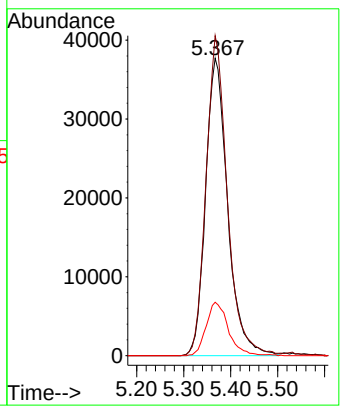


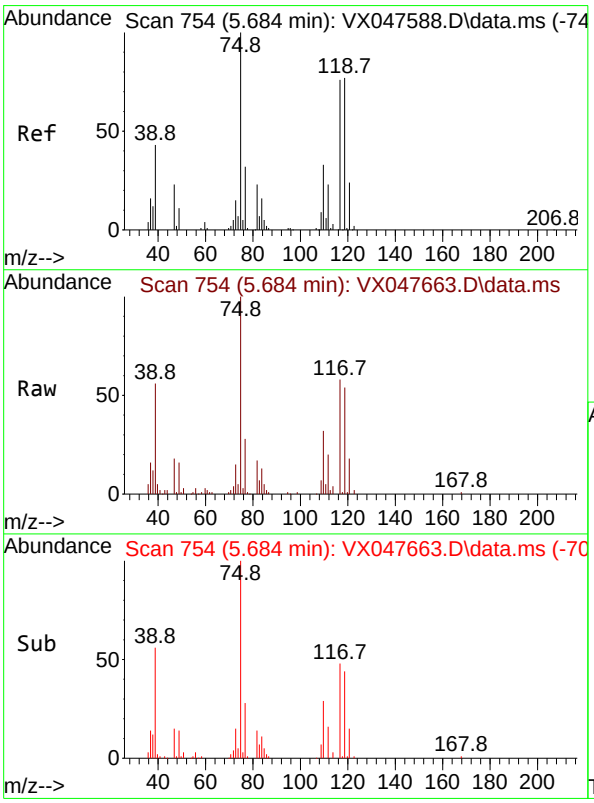
#35
Dibromofluoromethane
Concen: 54.245 ug/l
RT: 5.367 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047663.D
Acq: 19 Sep 2025 10:38

Instrument :
MSVOA_X
ClientSampleId :
VX0919WBS01

Tgt Ion:113 Resp: 122748

Ion	Ratio	Lower	Upper
113	100		
111	104.1	80.9	121.3
192	18.1	14.2	21.4

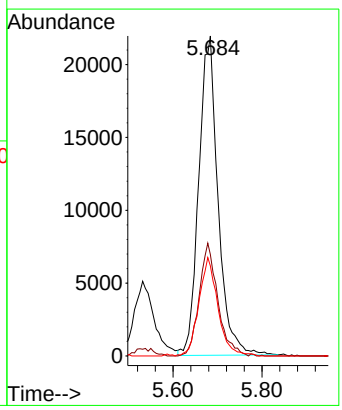


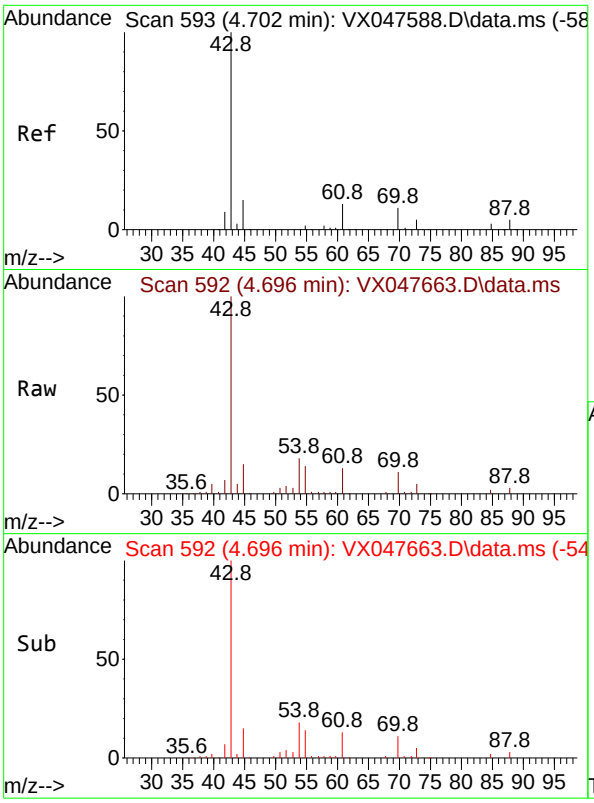


#36
1,1-Dichloropropene
Concen: 19.988 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.000 min
Lab File: VX047663.D
Acq: 19 Sep 2025 10:38

Tgt Ion: 75 Resp: 66091

Ion	Ratio	Lower	Upper
75	100		
110	34.2	16.7	50.1
77	30.5	24.3	36.5



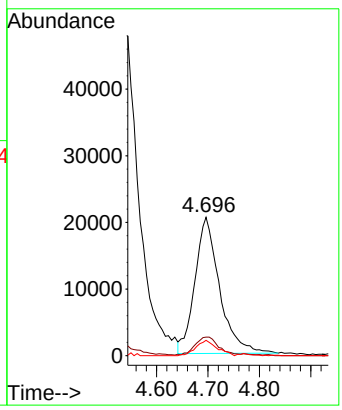


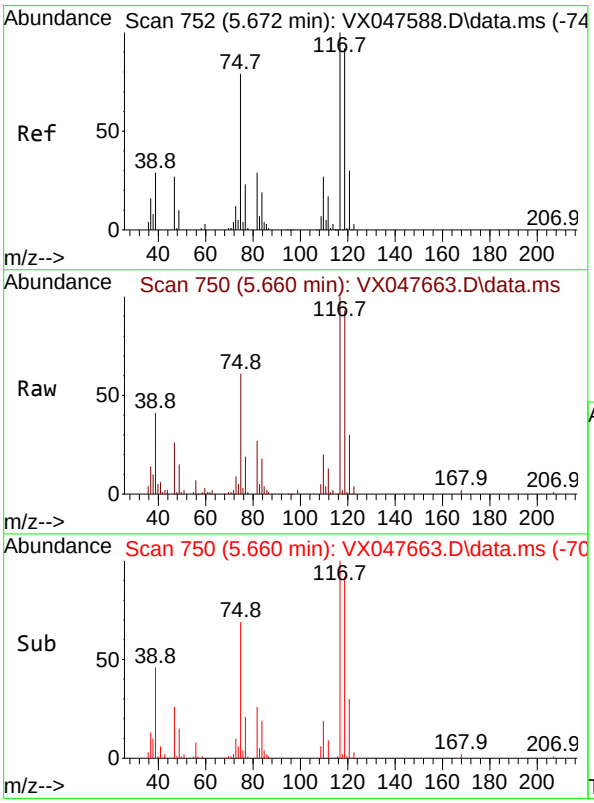
#37
Ethyl Acetate
Concen: 19.251 ug/l
RT: 4.696 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX047663.D
Acq: 19 Sep 2025 10:38

Instrument :
MSVOA_X
ClientSampleId :
VX0919WBS01

Tgt Ion: 43 Resp: 68156

Ion	Ratio	Lower	Upper
43	100		
61	12.3	9.8	14.8
70	9.6	7.9	11.9

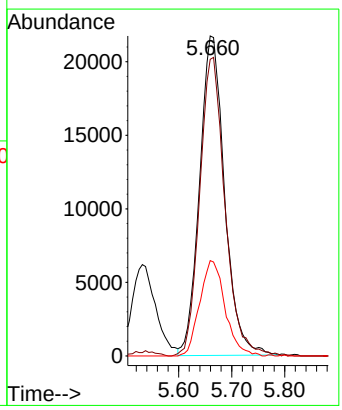


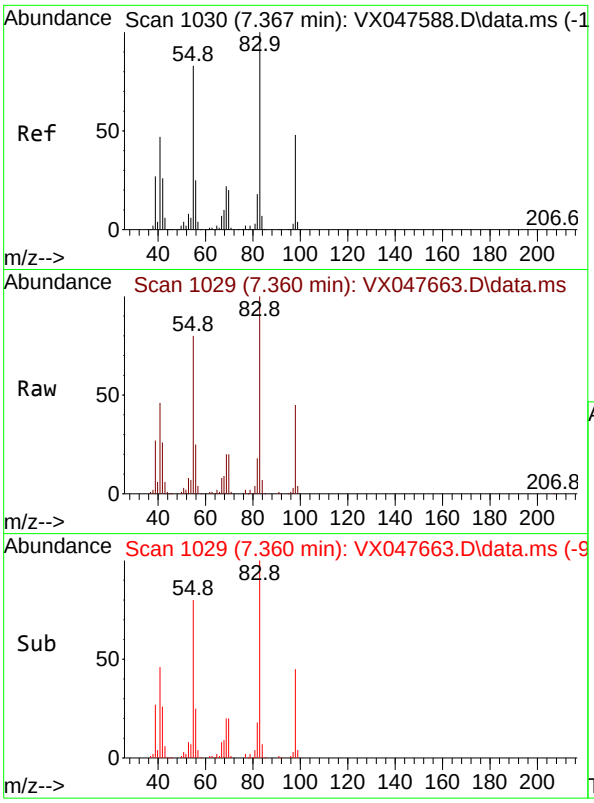


#38
Carbon Tetrachloride
Concen: 19.821 ug/l
RT: 5.660 min Scan# 750
Delta R.T. -0.012 min
Lab File: VX047663.D
Acq: 19 Sep 2025 10:38

Tgt Ion:117 Resp: 71209

Ion	Ratio	Lower	Upper
117	100		
119	92.4	73.4	110.2
121	29.9	23.8	35.6



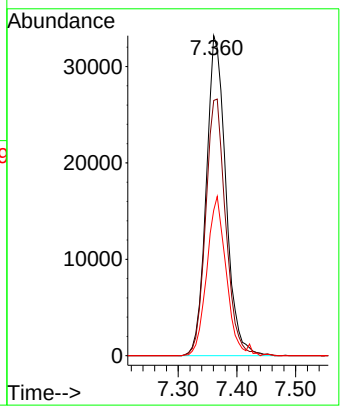


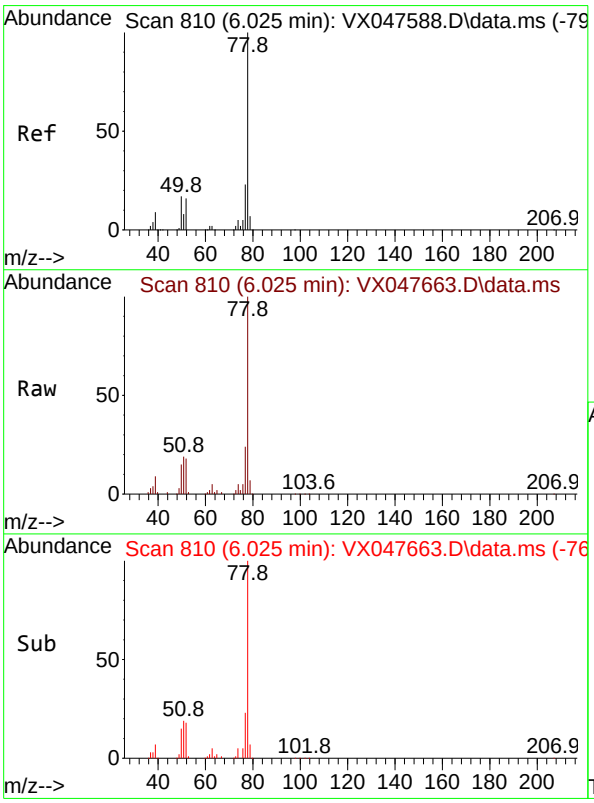
#39
Methylcyclohexane
Concen: 20.500 ug/l
RT: 7.360 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047663.D
Acq: 19 Sep 2025 10:38

Instrument :
MSVOA_X
ClientSampleId :
VX0919WBS01

Tgt Ion: 83 Resp: 76946

Ion	Ratio	Lower	Upper
83	100		
55	79.8	66.4	99.6
98	45.5	38.1	57.1

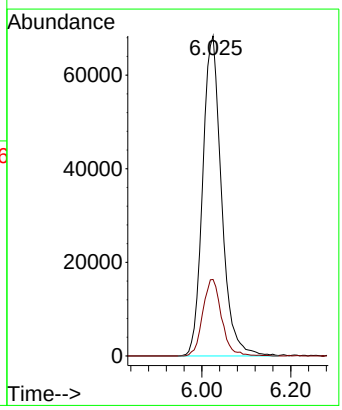


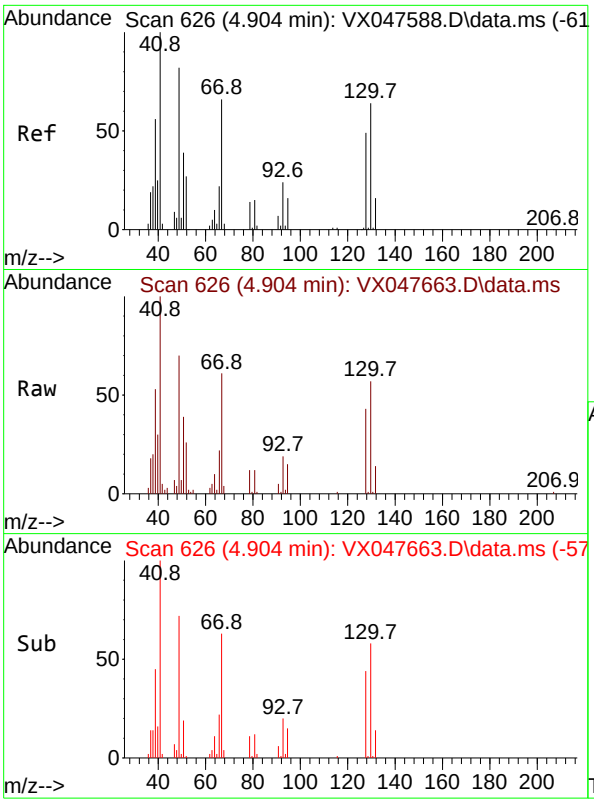


#40
Benzene
Concen: 20.095 ug/l
RT: 6.025 min Scan# 810
Delta R.T. -0.000 min
Lab File: VX047663.D
Acq: 19 Sep 2025 10:38

Tgt Ion: 78 Resp: 201814

Ion	Ratio	Lower	Upper
78	100		
77	23.9	18.8	28.2



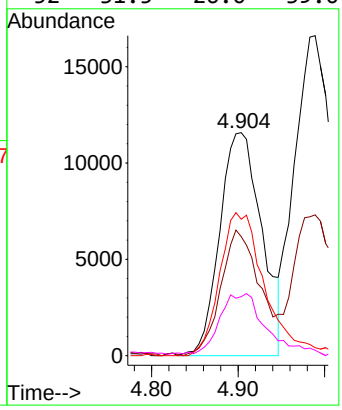


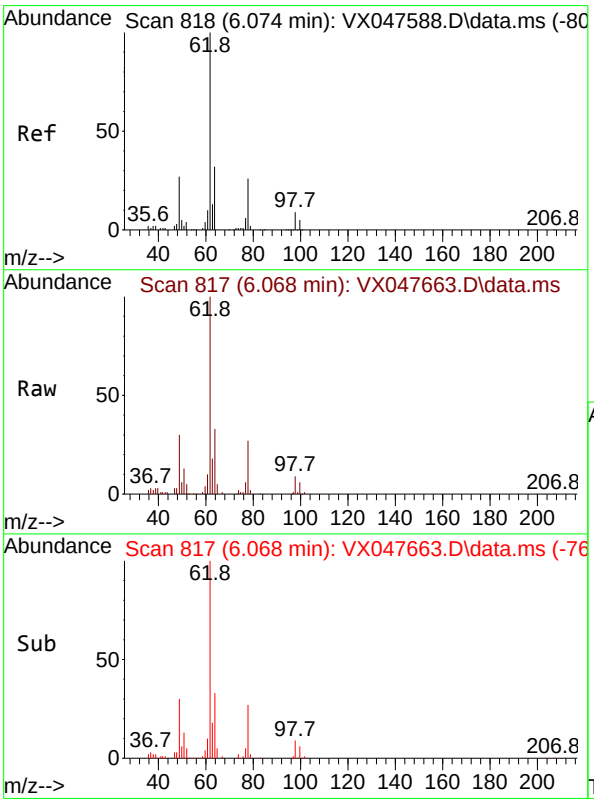
#41
Methacrylonitrile
Concen: 21.362 ug/l
RT: 4.904 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX047663.D
Acq: 19 Sep 2025 10:38

Instrument :
MSVOA_X
ClientSampleId :
VX0919WBS01

Tgt Ion: 41 Resp: 39044

Ion	Ratio	Lower	Upper
41	100		
39	50.9	43.3	64.9
67	69.4	58.6	87.8
52	31.5	26.0	39.0

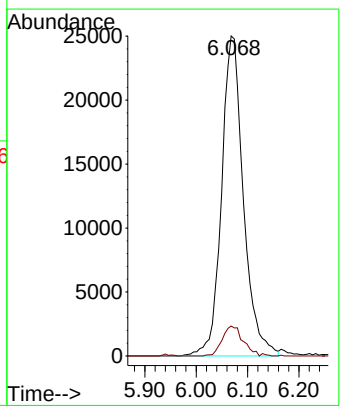


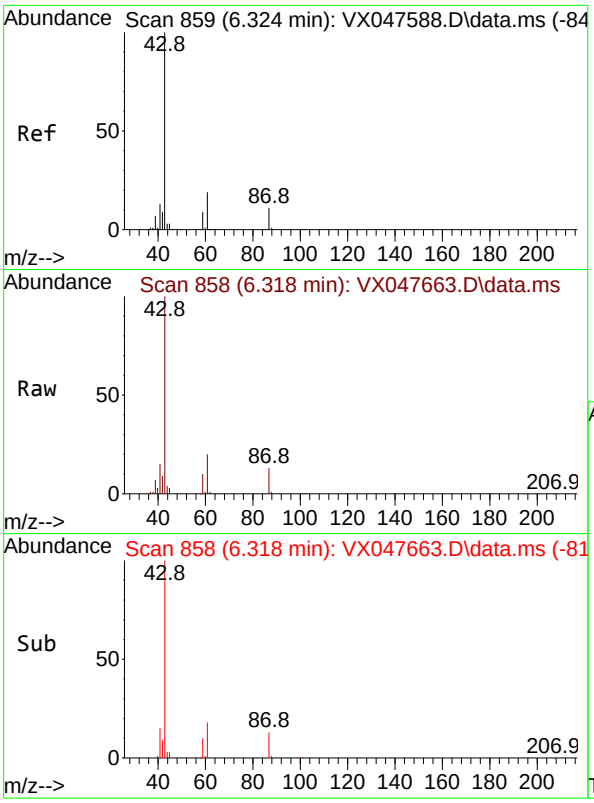


#42
1,2-Dichloroethane
Concen: 19.343 ug/l
RT: 6.068 min Scan# 817
Delta R.T. -0.006 min
Lab File: VX047663.D
Acq: 19 Sep 2025 10:38

Tgt Ion: 62 Resp: 73915

Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	17.0



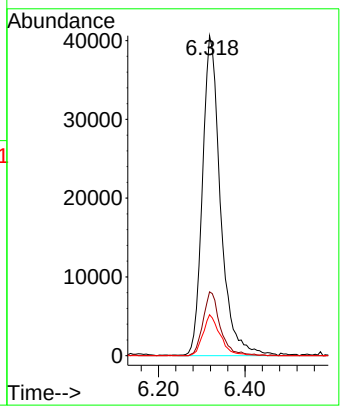


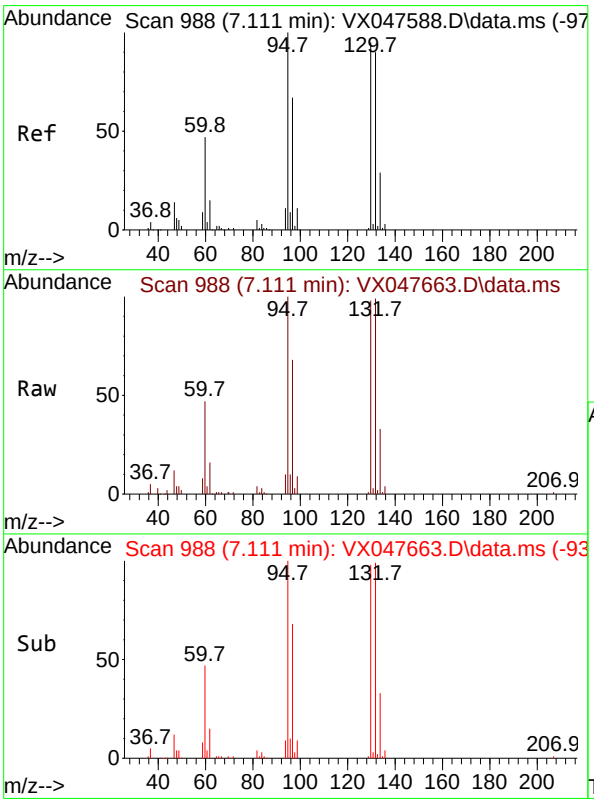
#43
Isopropyl Acetate
Concen: 20.269 ug/l
RT: 6.318 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX047663.D
Acq: 19 Sep 2025 10:38

Instrument :
MSVOA_X
ClientSampleId :
VX0919WBS01

Tgt Ion: 43 Resp: 117690

Ion	Ratio	Lower	Upper
43	100		
61	19.0	15.2	22.8
87	12.3	9.6	14.4

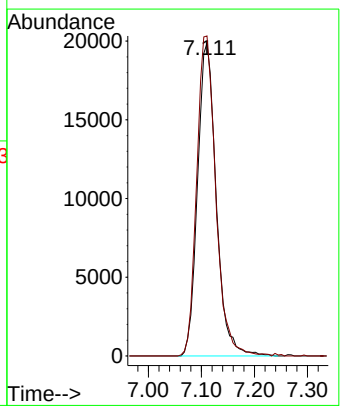


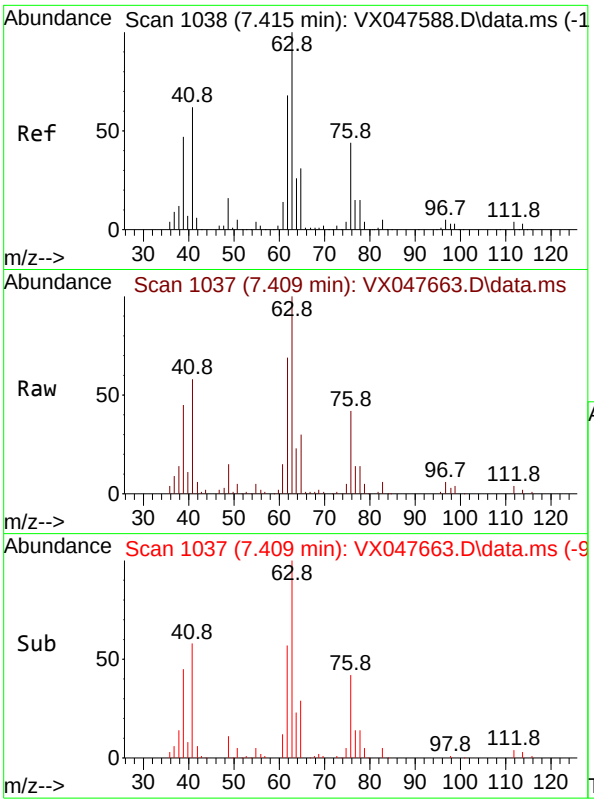


#44
Trichloroethene
Concen: 19.988 ug/l
RT: 7.111 min Scan# 988
Delta R.T. -0.000 min
Lab File: VX047663.D
Acq: 19 Sep 2025 10:38

Tgt Ion:130 Resp: 48532

Ion	Ratio	Lower	Upper
130	100		
95	102.4	0.0	210.8



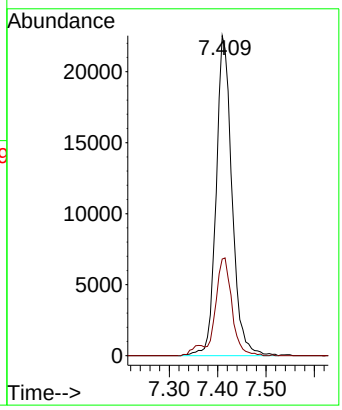


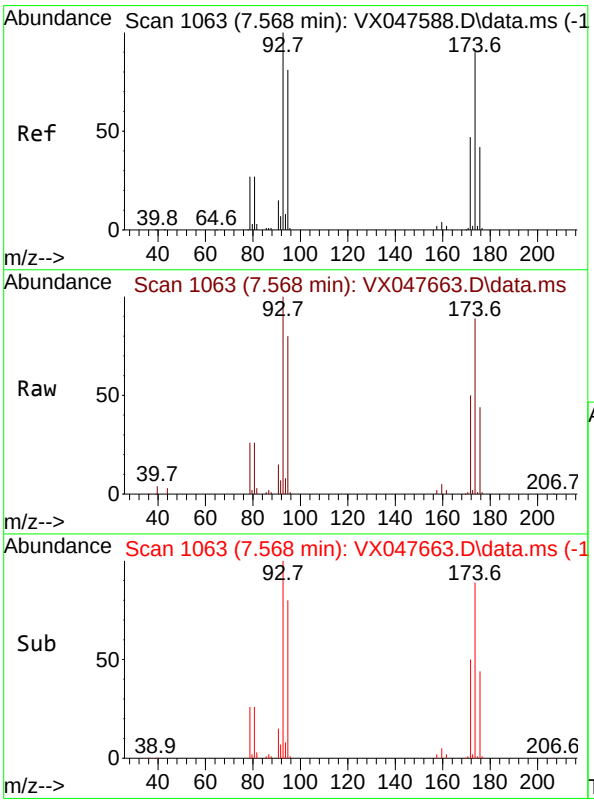
#45
1,2-Dichloropropane
Concen: 19.941 ug/l
RT: 7.409 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047663.D
Acq: 19 Sep 2025 10:38

Instrument :
MSVOA_X
ClientSampleId :
VX0919WBS01

Tgt Ion: 63 Resp: 51280

Ion	Ratio	Lower	Upper
63	100		
65	30.2	24.7	37.1

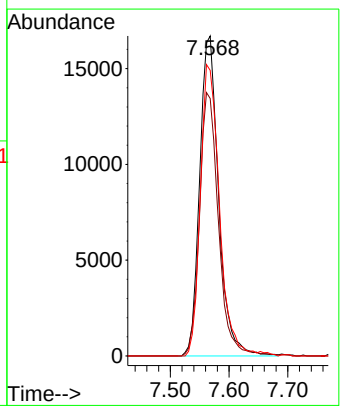


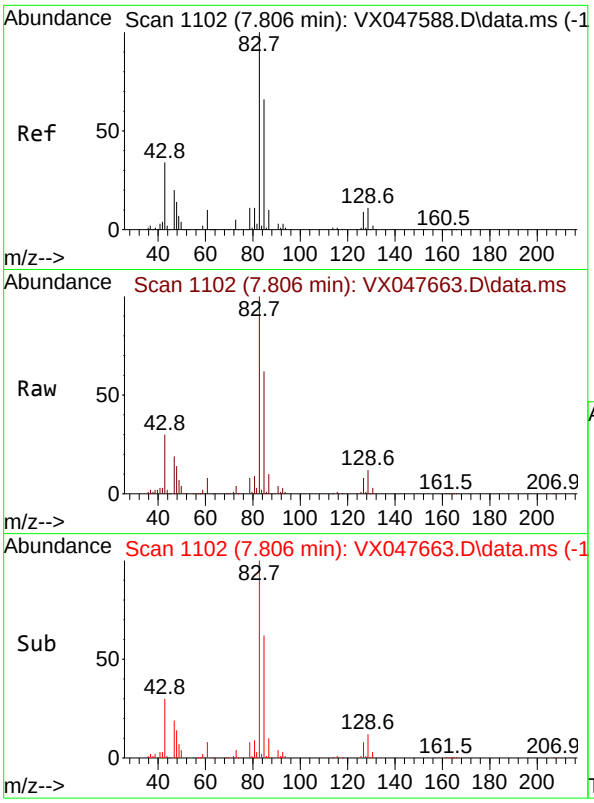


#46
Dibromomethane
Concen: 19.938 ug/l
RT: 7.568 min Scan# 1063
Delta R.T. -0.000 min
Lab File: VX047663.D
Acq: 19 Sep 2025 10:38

Tgt Ion: 93 Resp: 37312

Ion	Ratio	Lower	Upper
93	100		
95	82.4	65.0	97.6
174	92.5	71.6	107.4



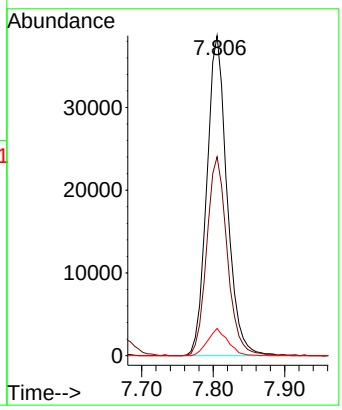


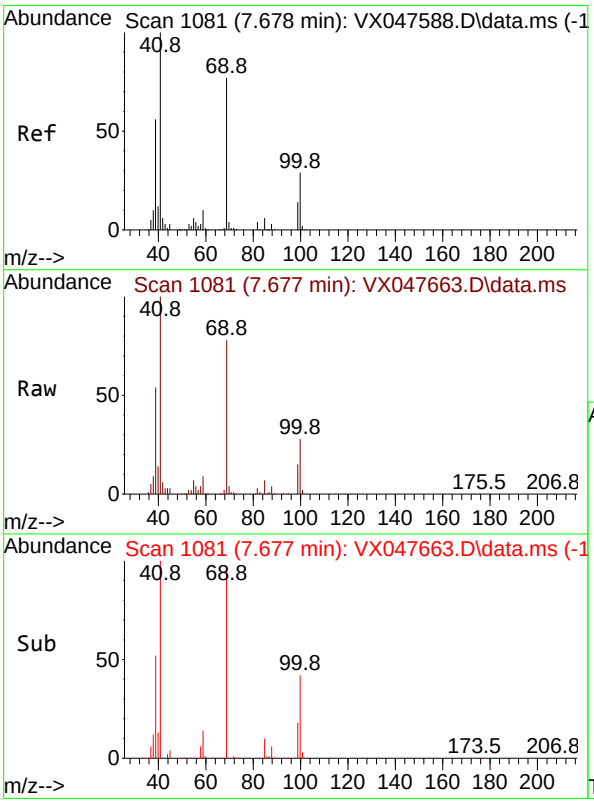
#47
Bromodichloromethane
Concen: 19.667 ug/l
RT: 7.806 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX047663.D
Acq: 19 Sep 2025 10:38

Instrument :
MSVOA_X
ClientSampleId :
VX0919WBS01

Tgt Ion: 83 Resp: 75948

Ion	Ratio	Lower	Upper
83	100		
85	62.2	52.5	78.7
127	8.5	6.9	10.3

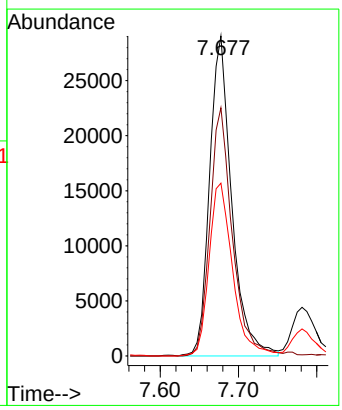


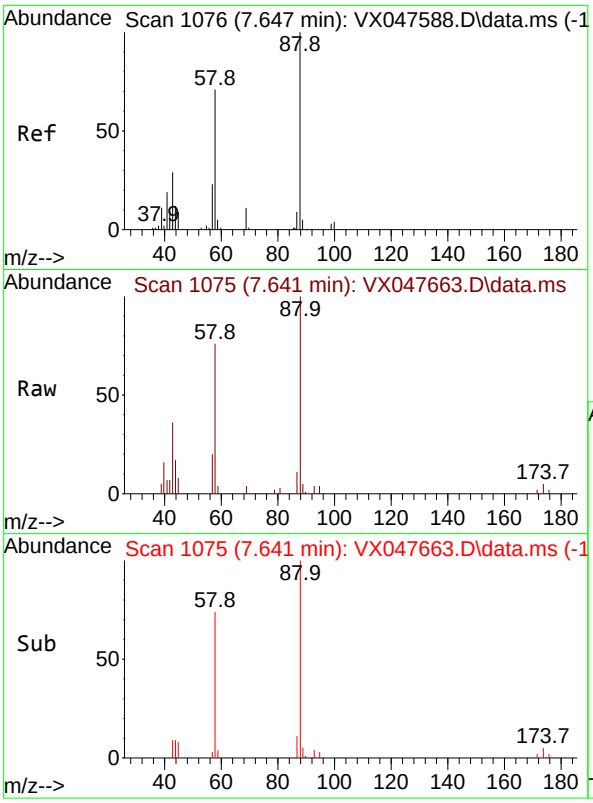


#48
Methyl methacrylate
Concen: 19.745 ug/l
RT: 7.677 min Scan# 1081
Delta R.T. -0.000 min
Lab File: VX047663.D
Acq: 19 Sep 2025 10:38

Tgt Ion: 41 Resp: 57109

Ion	Ratio	Lower	Upper
41	100		
69	78.5	61.4	92.2
39	57.6	45.8	68.6



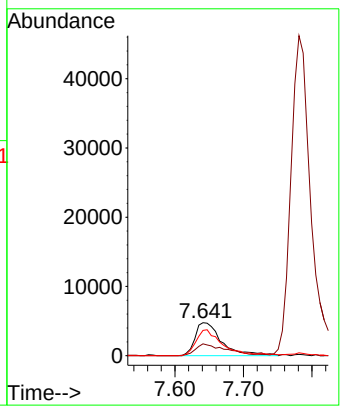


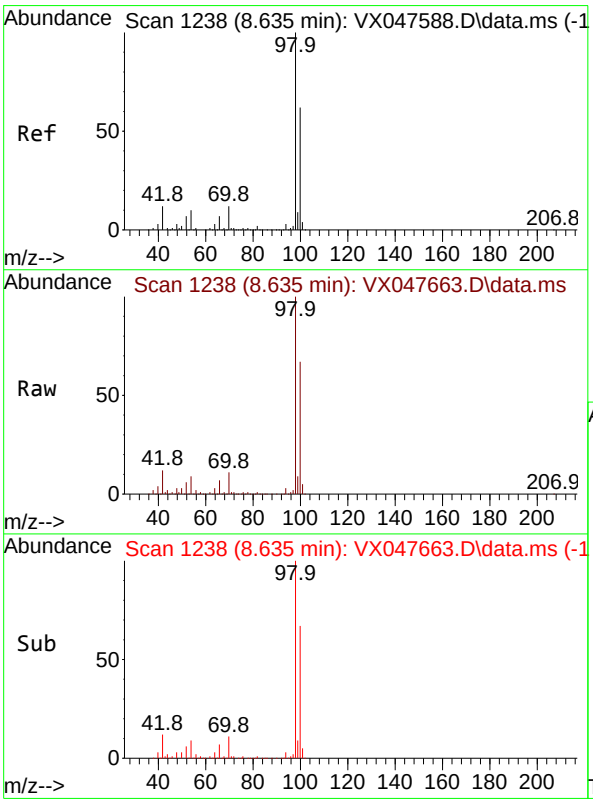
#49
1,4-Dioxane
Concen: 442.088 ug/l
RT: 7.641 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047663.D
Acq: 19 Sep 2025 10:38

Instrument :
MSVOA_X
ClientSampleId :
VX0919WBS01

Tgt Ion: 88 Resp: 12922

Ion	Ratio	Lower	Upper
88	100		
43	42.3	30.2	45.2
58	75.2	59.5	89.3

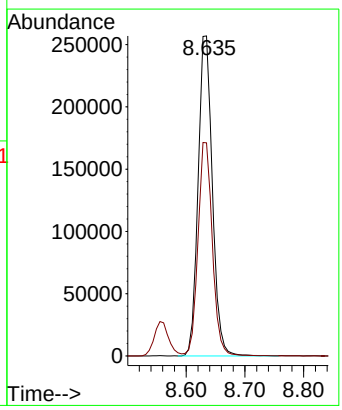


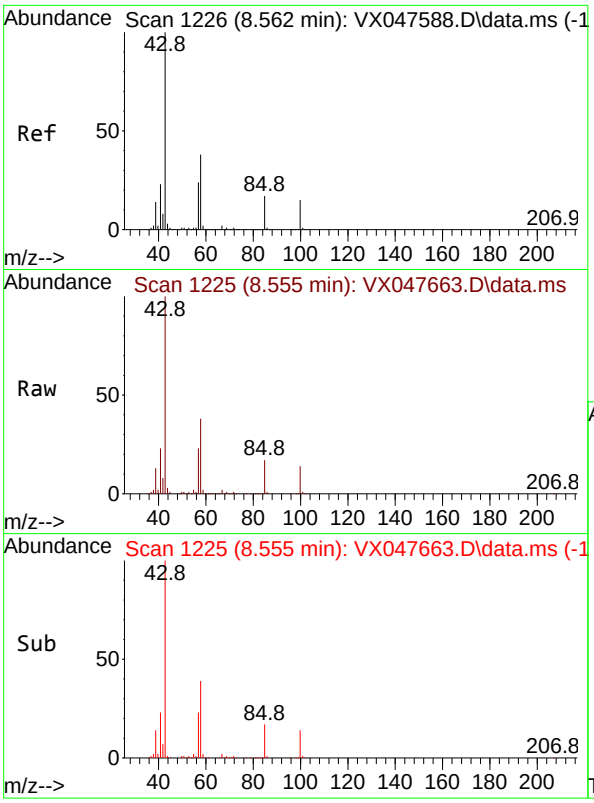


#50
Toluene-d8
Concen: 55.436 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX047663.D
Acq: 19 Sep 2025 10:38

Tgt Ion: 98 Resp: 434063

Ion	Ratio	Lower	Upper
98	100		
100	67.1	53.0	79.4



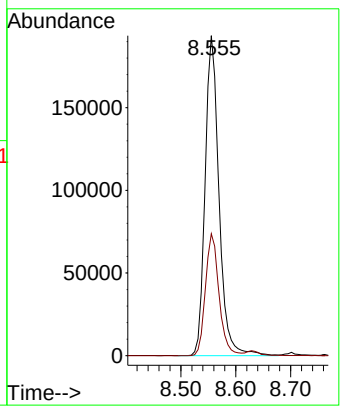


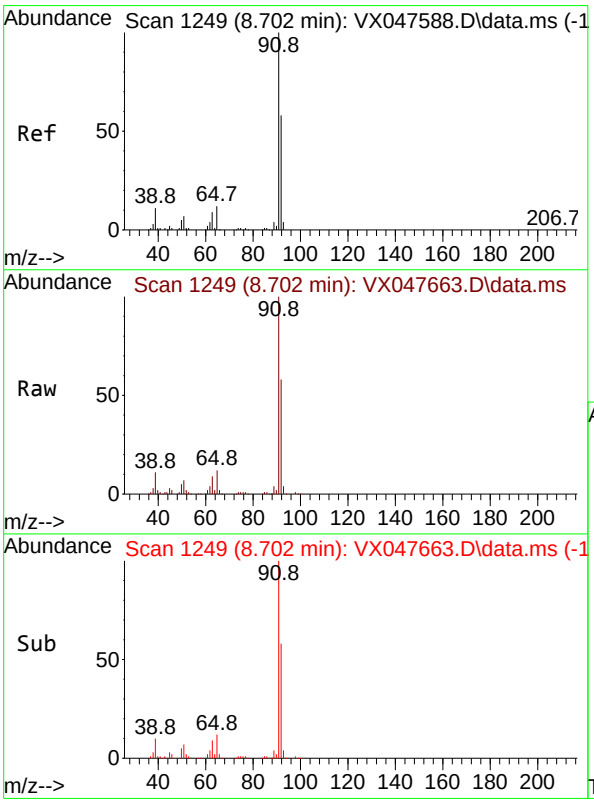
#51
4-Methyl-2-Pentanone
Concen: 105.728 ug/l
RT: 8.555 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047663.D
Acq: 19 Sep 2025 10:38

Instrument :
MSVOA_X
ClientSampleId :
VX0919WBS01

Tgt Ion: 43 Resp: 340376

Ion	Ratio	Lower	Upper
43	100		
58	37.3	30.3	45.5

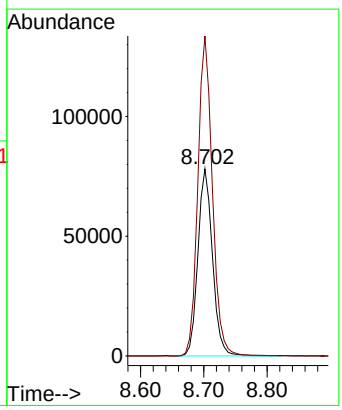


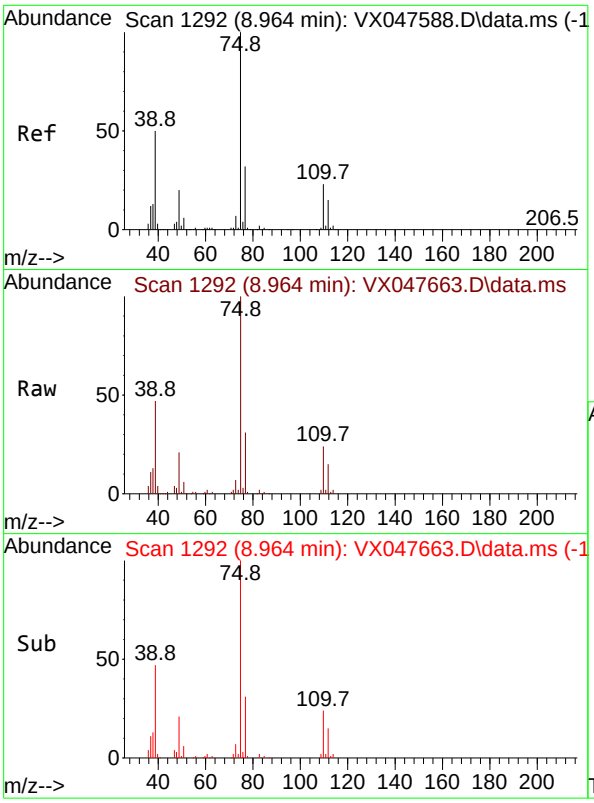


#52
Toluene
Concen: 20.286 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX047663.D
Acq: 19 Sep 2025 10:38

Tgt Ion: 92 Resp: 125521

Ion	Ratio	Lower	Upper
92	100		
91	170.8	137.1	205.7



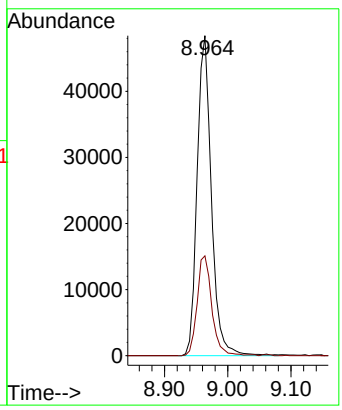


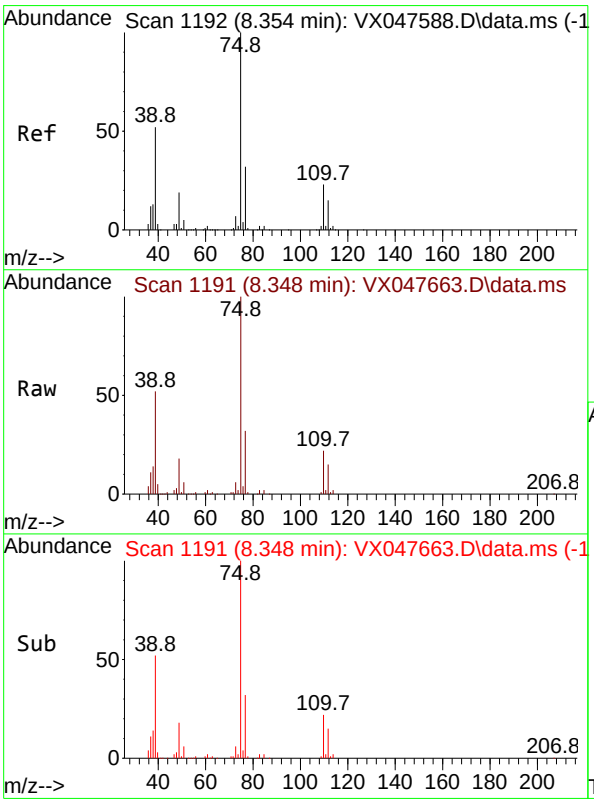
#53
t-1,3-Dichloropropene
Concen: 19.294 ug/l
RT: 8.964 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047663.D
Acq: 19 Sep 2025 10:38

Instrument :
MSVOA_X
ClientSampleId :
VX0919WBS01

Tgt Ion: 75 Resp: 75998

Ion	Ratio	Lower	Upper
75	100		
77	31.2	25.4	38.2

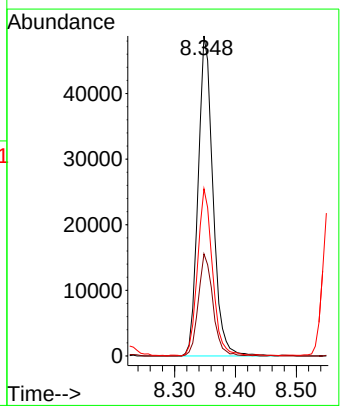


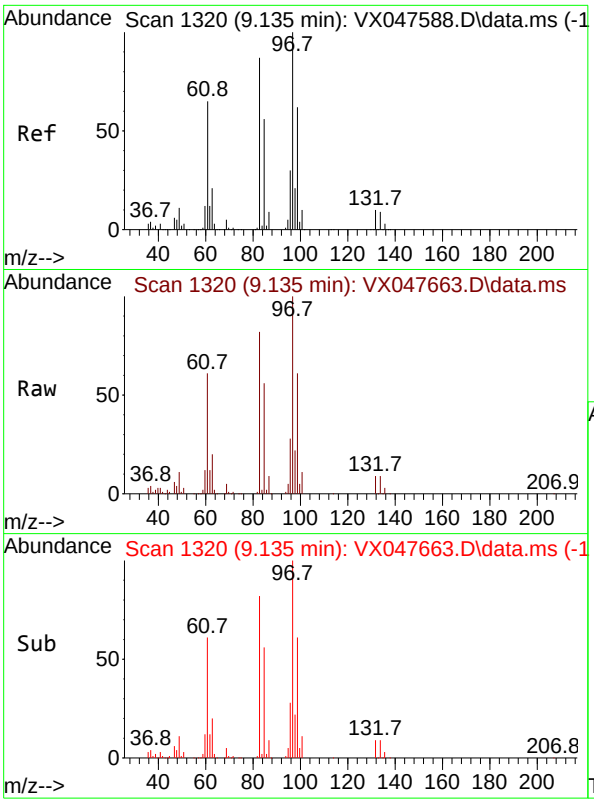


#54
cis-1,3-Dichloropropene
Concen: 19.649 ug/l
RT: 8.348 min Scan# 1191
Delta R.T. -0.006 min
Lab File: VX047663.D
Acq: 19 Sep 2025 10:38

Tgt Ion: 75 Resp: 82725

Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.8	38.6
39	52.1	41.4	62.2



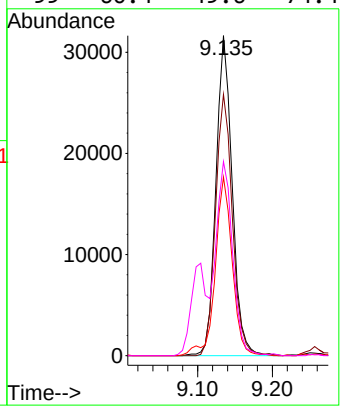


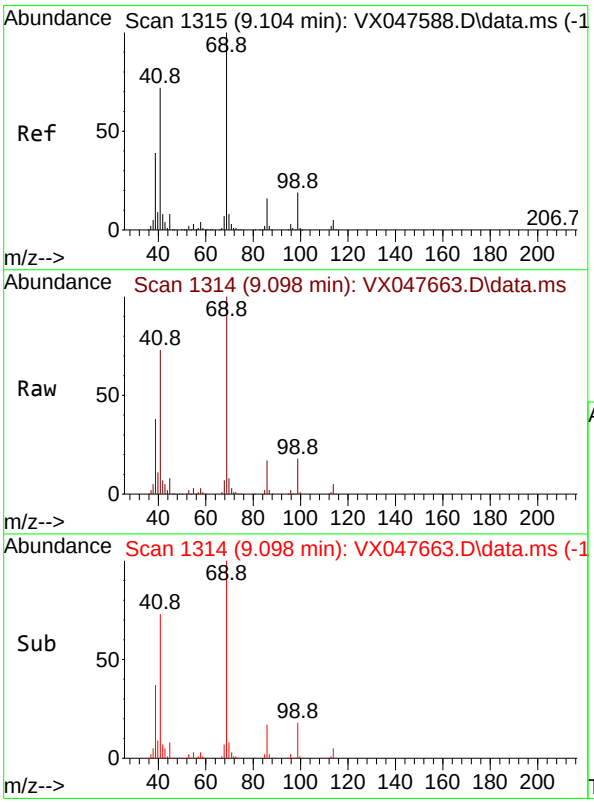
#55
1,1,2-Trichloroethane
Concen: 20.021 ug/l
RT: 9.135 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047663.D
Acq: 19 Sep 2025 10:38

Instrument :
MSVOA_X
ClientSampleId :
VX0919WBS01

Tgt Ion: 97 Resp: 47766

Ion	Ratio	Lower	Upper
97	100		
83	81.6	69.6	104.4
85	55.8	45.0	67.6
99	60.4	49.6	74.4

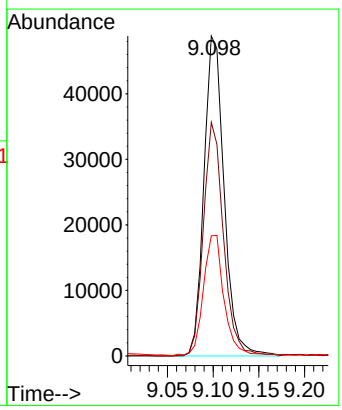


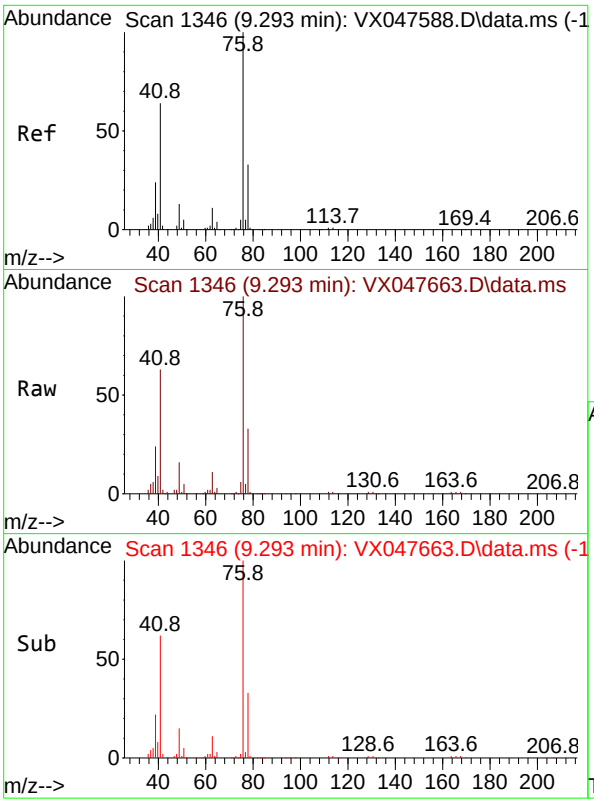


#56
Ethyl methacrylate
Concen: 19.988 ug/l
RT: 9.098 min Scan# 1314
Delta R.T. -0.006 min
Lab File: VX047663.D
Acq: 19 Sep 2025 10:38

Tgt Ion: 69 Resp: 74891

Ion	Ratio	Lower	Upper
69	100		
41	73.1	58.6	87.8
39	38.6	31.5	47.3



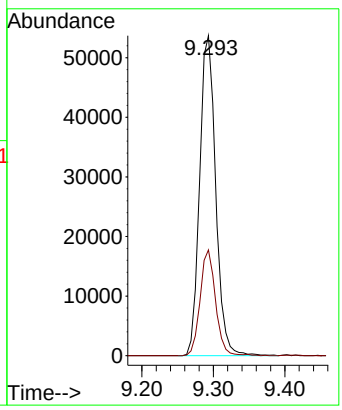


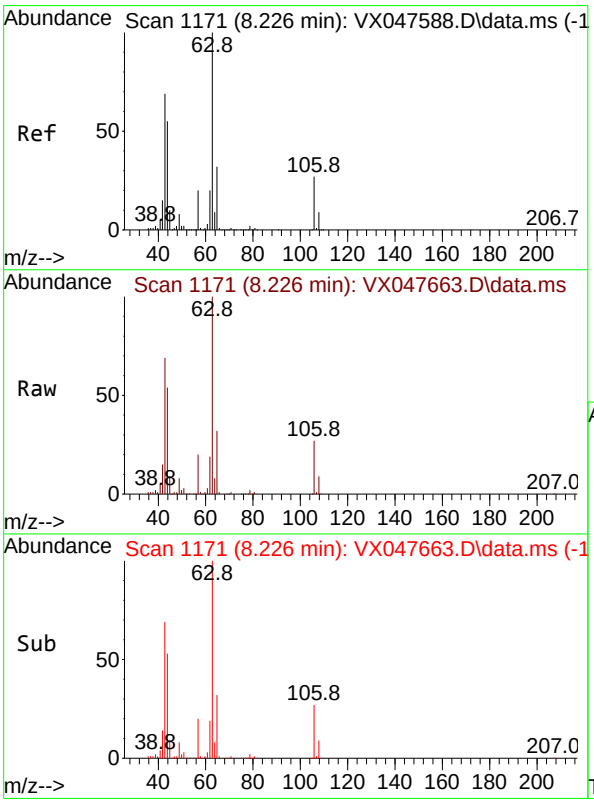
#57
1,3-Dichloropropane
Concen: 20.427 ug/l
RT: 9.293 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047663.D
Acq: 19 Sep 2025 10:38

Instrument :
MSVOA_X
ClientSampleId :
VX0919WBS01

Tgt Ion: 76 Resp: 83720

Ion	Ratio	Lower	Upper
76	100		
78	31.7	26.2	39.4

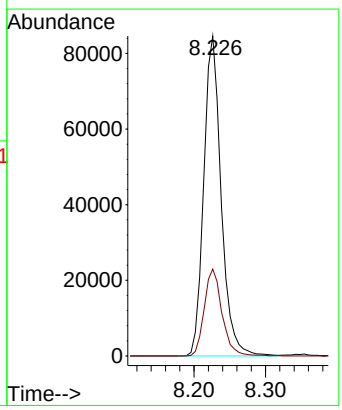


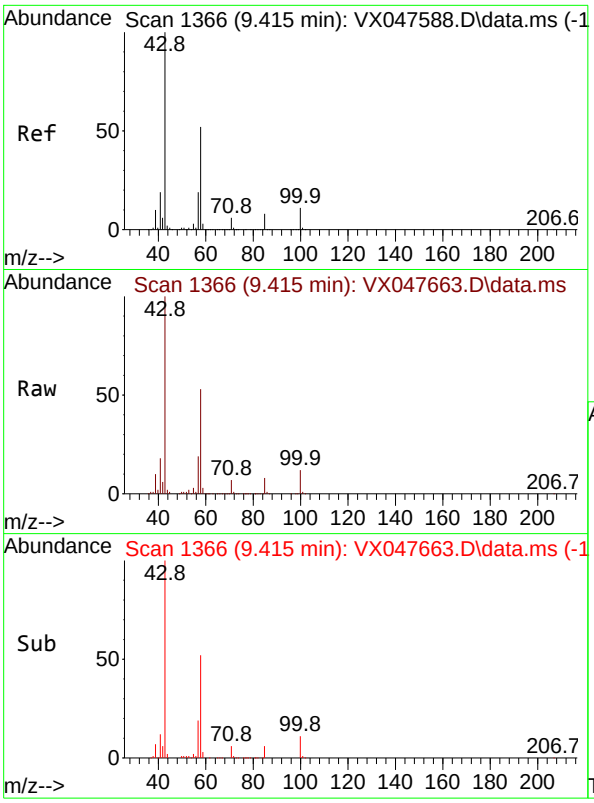


#58
2-Chloroethyl Vinyl ether
Concen: 87.280 ug/l
RT: 8.226 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VX047663.D
Acq: 19 Sep 2025 10:38

Tgt Ion: 63 Resp: 143078

Ion	Ratio	Lower	Upper
63	100		
106	27.6	21.9	32.9



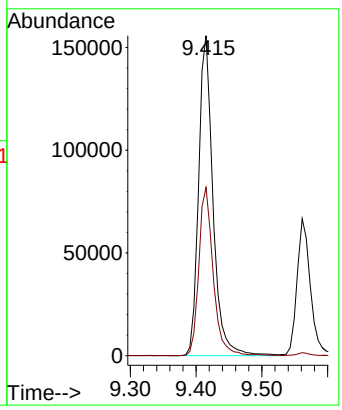


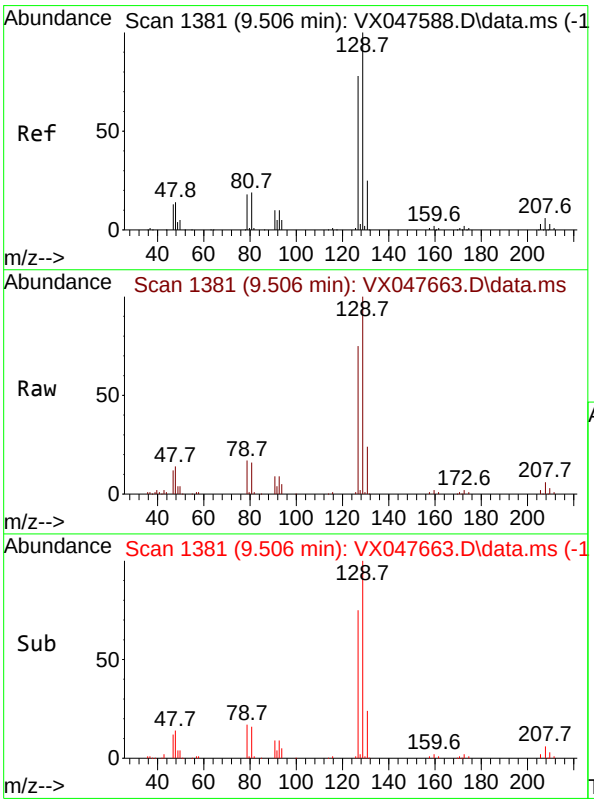
#59
2-Hexanone
Concen: 102.353 ug/l
RT: 9.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047663.D
Acq: 19 Sep 2025 10:38

Instrument :
MSVOA_X
ClientSampleId :
VX0919WBS01

Tgt Ion: 43 Resp: 236656

Ion	Ratio	Lower	Upper
43	100		
58	52.5	26.1	78.2

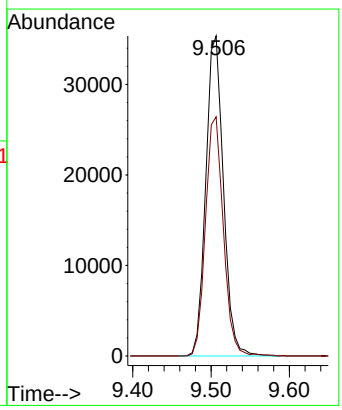


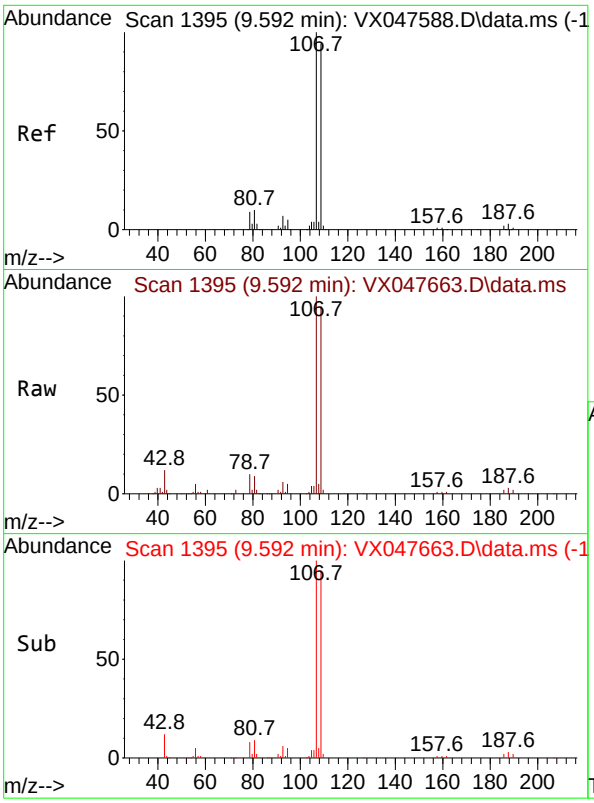


#60
Dibromochloromethane
Concen: 20.047 ug/l
RT: 9.506 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VX047663.D
Acq: 19 Sep 2025 10:38

Tgt Ion:129 Resp: 55109

Ion	Ratio	Lower	Upper
129	100		
127	76.0	38.4	115.2



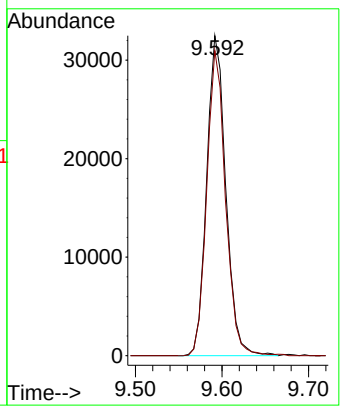


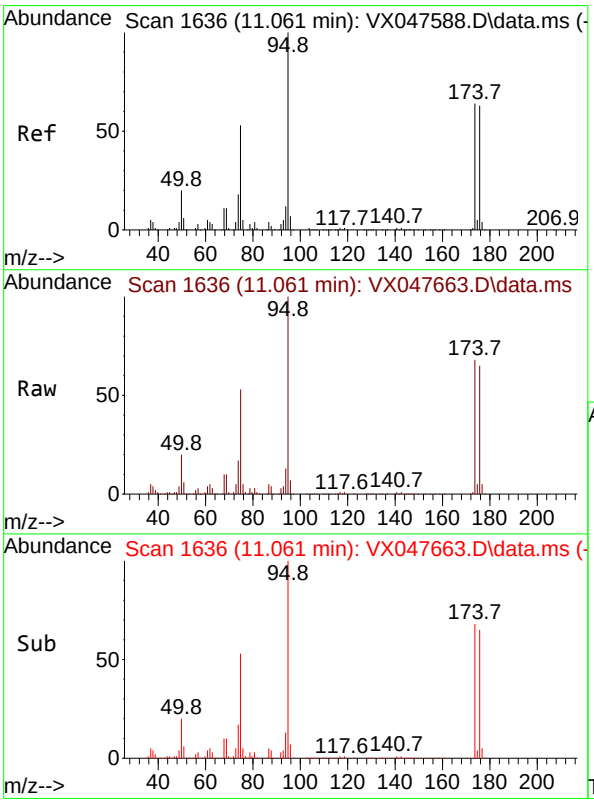
#61
1,2-Dibromoethane
Concen: 20.516 ug/l
RT: 9.592 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047663.D
Acq: 19 Sep 2025 10:38

Instrument :
MSVOA_X
ClientSampleId :
VX0919WBS01

Tgt Ion:107 Resp: 49855

Ion	Ratio	Lower	Upper
107	100		
109	93.9	75.3	112.9

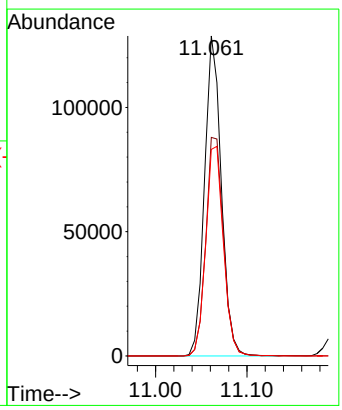


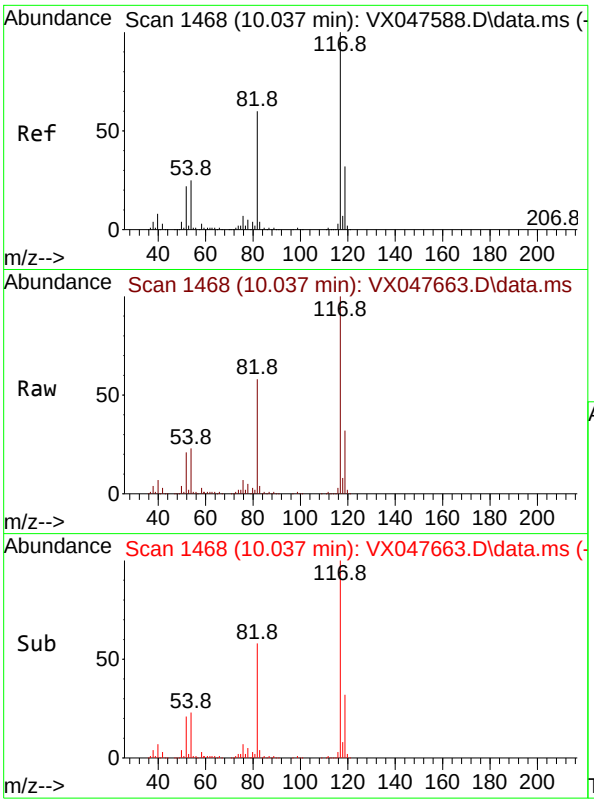


#62
4-Bromofluorobenzene
Concen: 55.000 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX047663.D
Acq: 19 Sep 2025 10:38

Tgt Ion: 95 Resp: 163439

Ion	Ratio	Lower	Upper
95	100		
174	72.1	0.0	141.6
176	69.2	0.0	138.4



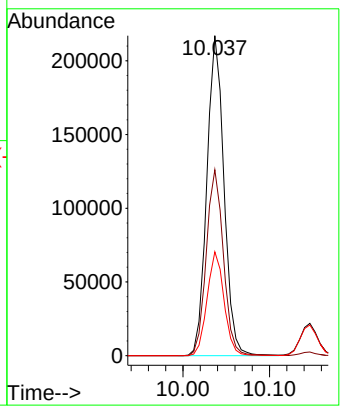


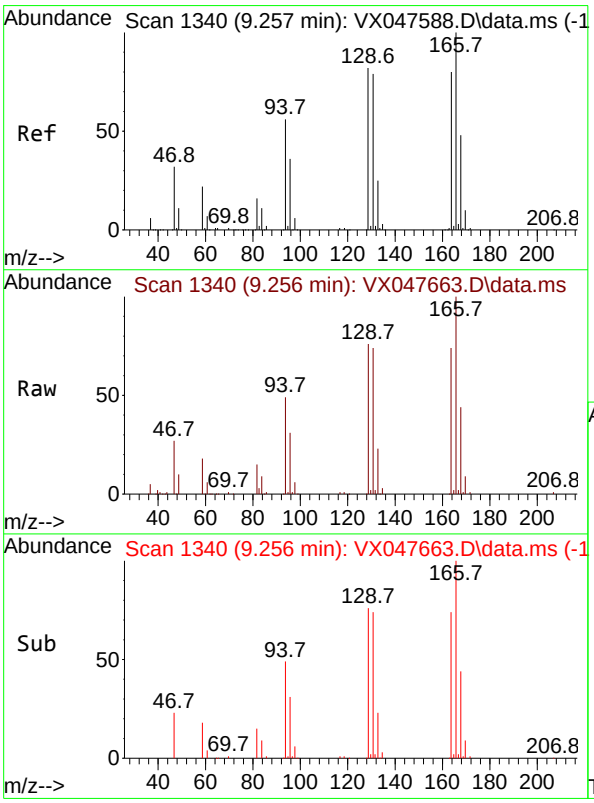
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047663.D
Acq: 19 Sep 2025 10:38

Instrument :
MSVOA_X
ClientSampleId :
VX0919WBS01

Tgt Ion:117 Resp: 298577

Ion	Ratio	Lower	Upper
117	100		
82	58.1	47.8	71.6
119	32.5	25.2	37.8

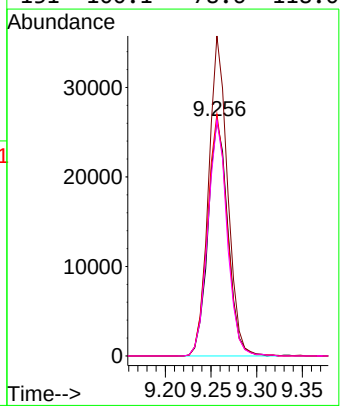


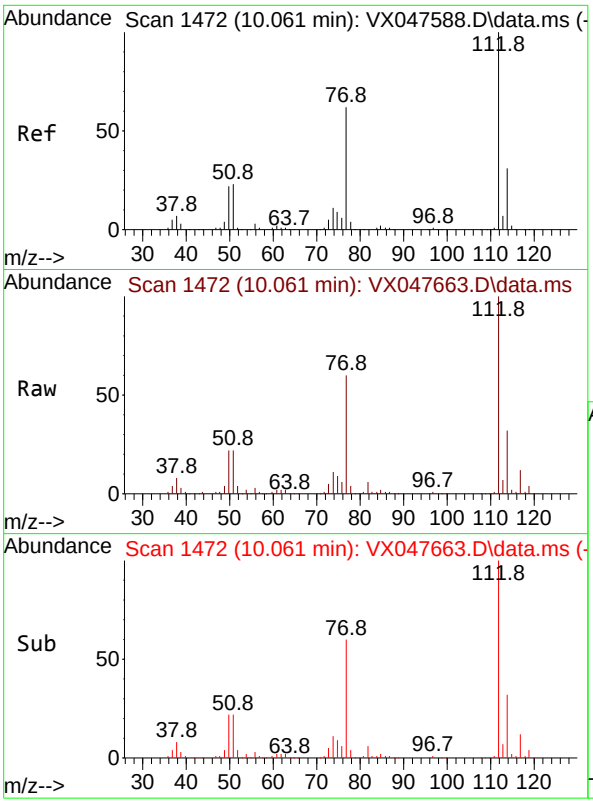


#64
Tetrachloroethene
Concen: 20.395 ug/l
RT: 9.256 min Scan# 1340
Delta R.T. -0.000 min
Lab File: VX047663.D
Acq: 19 Sep 2025 10:38

Tgt Ion:164 Resp: 39697

Ion	Ratio	Lower	Upper
164	100		
166	135.9	100.2	150.2
129	102.8	81.8	122.6
131	100.1	78.6	118.0



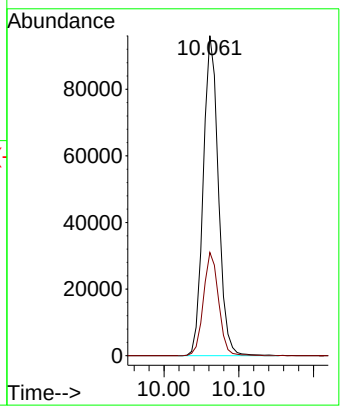


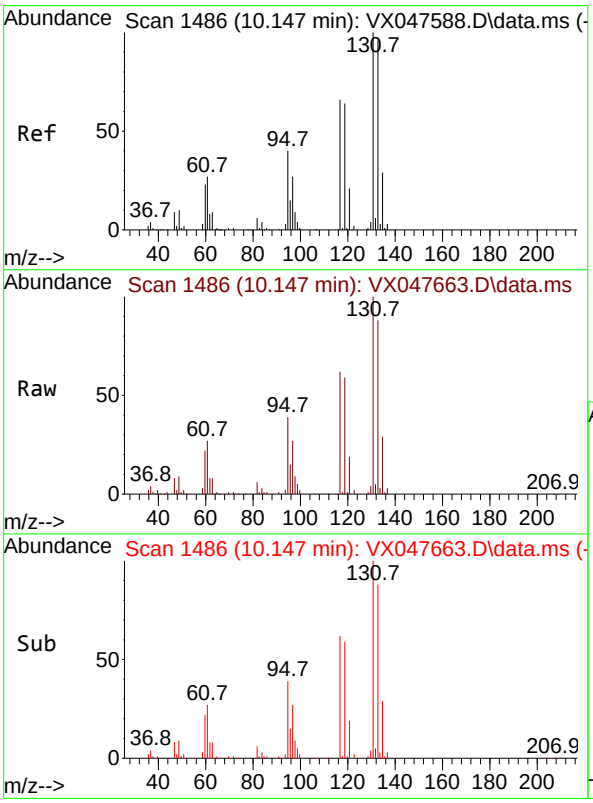
#65
Chlorobenzene
Concen: 19.879 ug/l
RT: 10.061 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047663.D
Acq: 19 Sep 2025 10:38

Instrument :
MSVOA_X
ClientSampleId :
VX0919WBS01

Tgt Ion:112 Resp: 134843

Ion	Ratio	Lower	Upper
112	100		
114	32.2	25.1	37.7

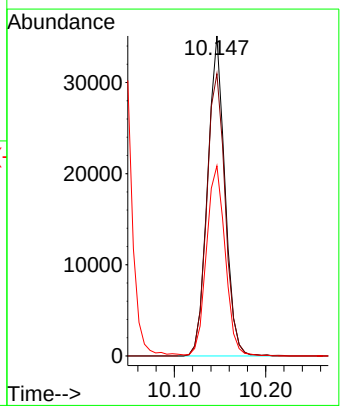


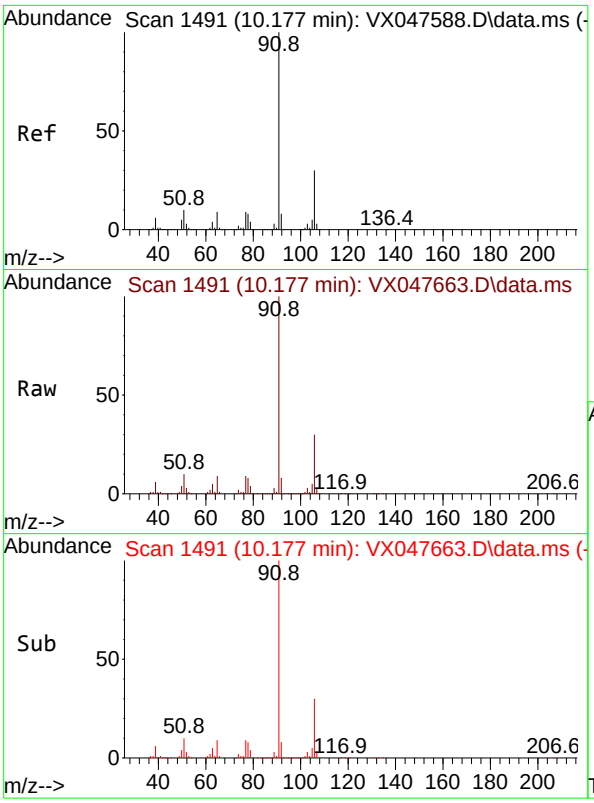


#66
1,1,1,2-Tetrachloroethane
Concen: 19.758 ug/l
RT: 10.147 min Scan# 1486
Delta R.T. -0.000 min
Lab File: VX047663.D
Acq: 19 Sep 2025 10:38

Tgt Ion:131 Resp: 46247

Ion	Ratio	Lower	Upper
131	100		
133	94.1	47.3	142.0
119	64.0	32.0	96.0



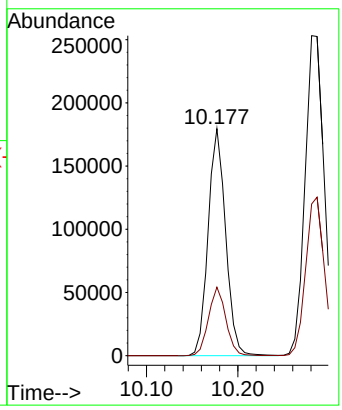


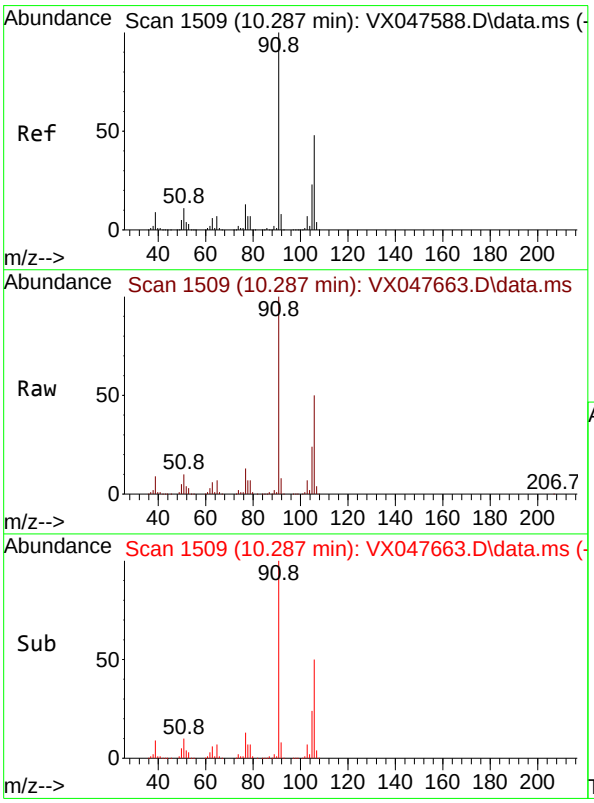
#67
Ethyl Benzene
Concen: 20.374 ug/l
RT: 10.177 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047663.D
Acq: 19 Sep 2025 10:38

Instrument :
MSVOA_X
ClientSampleId :
VX0919WBS01

Tgt Ion: 91 Resp: 238457

Ion	Ratio	Lower	Upper
91	100		
106	30.2	24.3	36.5

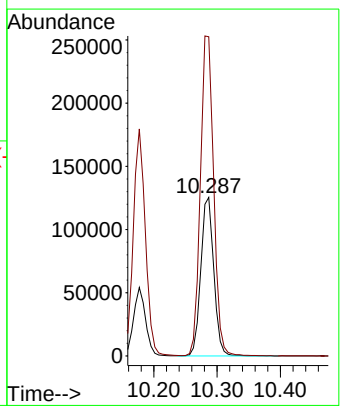


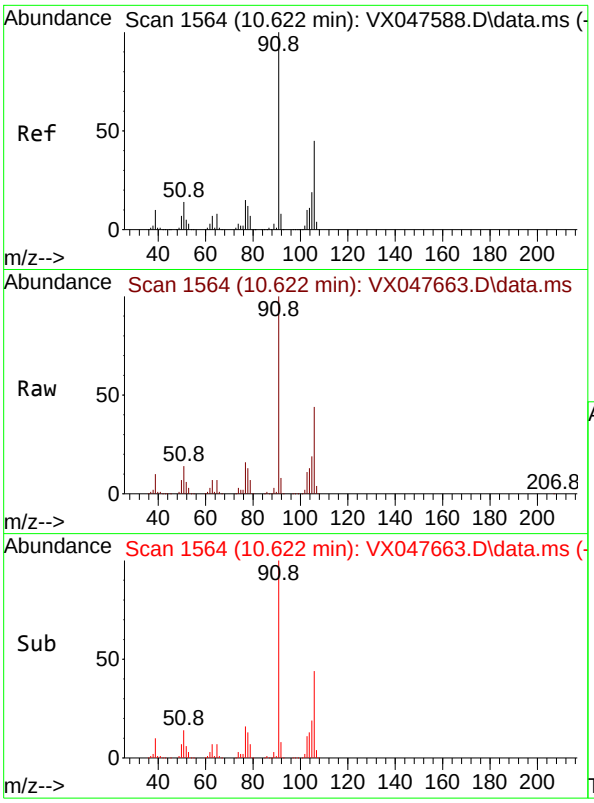


#68
m/p-Xylenes
Concen: 41.206 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VX047663.D
Acq: 19 Sep 2025 10:38

Tgt Ion:106 Resp: 179504

Ion	Ratio	Lower	Upper
106	100		
91	206.9	167.8	251.8



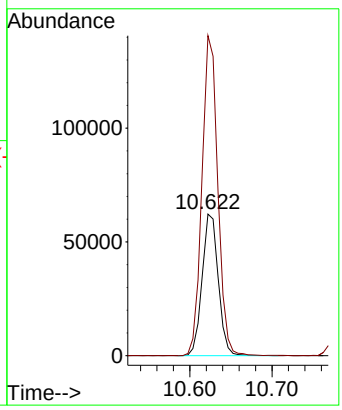


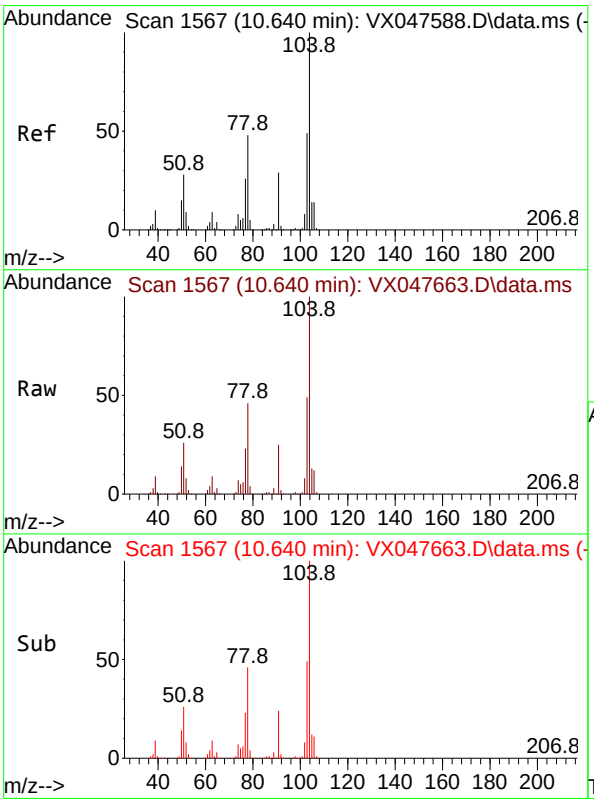
#69
o-Xylene
Concen: 20.146 ug/l
RT: 10.622 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047663.D
Acq: 19 Sep 2025 10:38

Instrument :
MSVOA_X
ClientSampleId :
VX0919WBS01

Tgt Ion:106 Resp: 84887

Ion	Ratio	Lower	Upper
106	100		
91	222.0	111.1	333.4

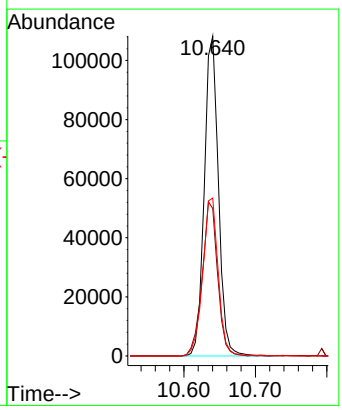


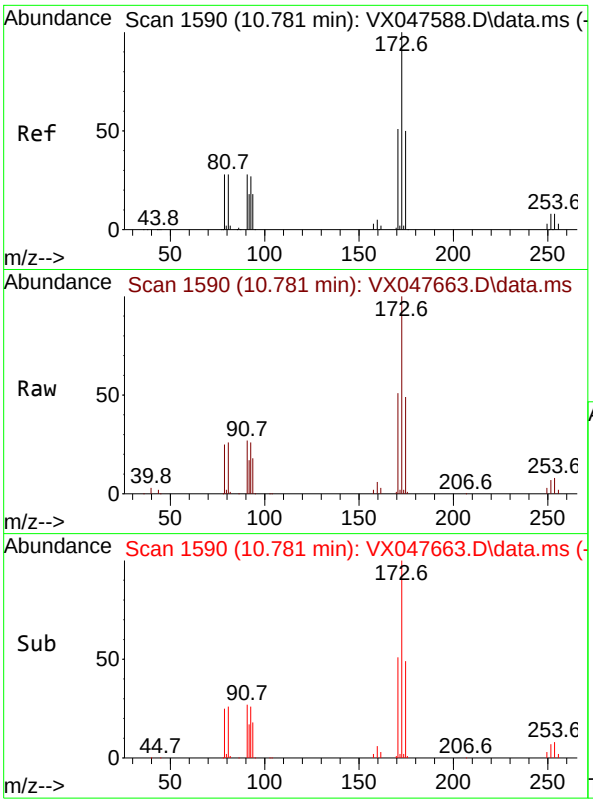


#70
Styrene
Concen: 20.153 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX047663.D
Acq: 19 Sep 2025 10:38

Tgt Ion:104 Resp: 148789

Ion	Ratio	Lower	Upper
104	100		
78	52.5	43.1	64.7
103	54.3	43.1	64.7



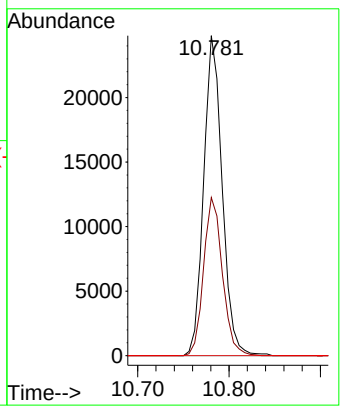


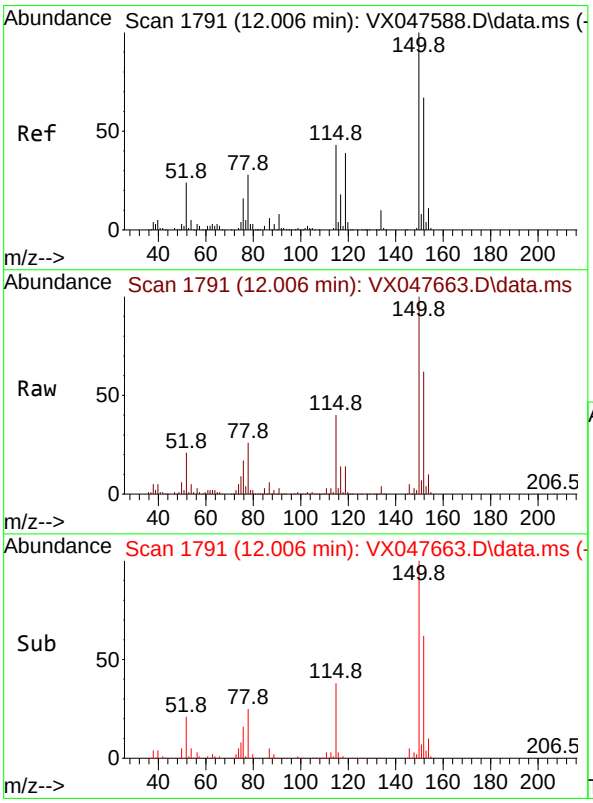
#71
Bromoform
Concen: 19.876 ug/l
RT: 10.781 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047663.D
Acq: 19 Sep 2025 10:38

Instrument :
MSVOA_X
ClientSampleId :
VX0919WBS01

Tgt Ion:173 Resp: 34739

Ion	Ratio	Lower	Upper
173	100		
175	50.3	24.9	74.6
254	0.0	0.1	0.1#

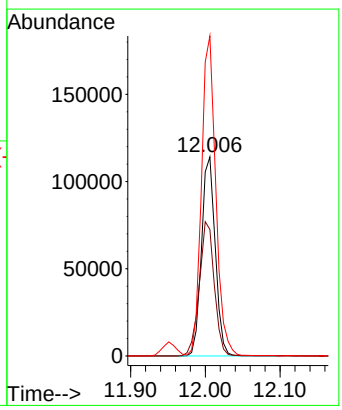


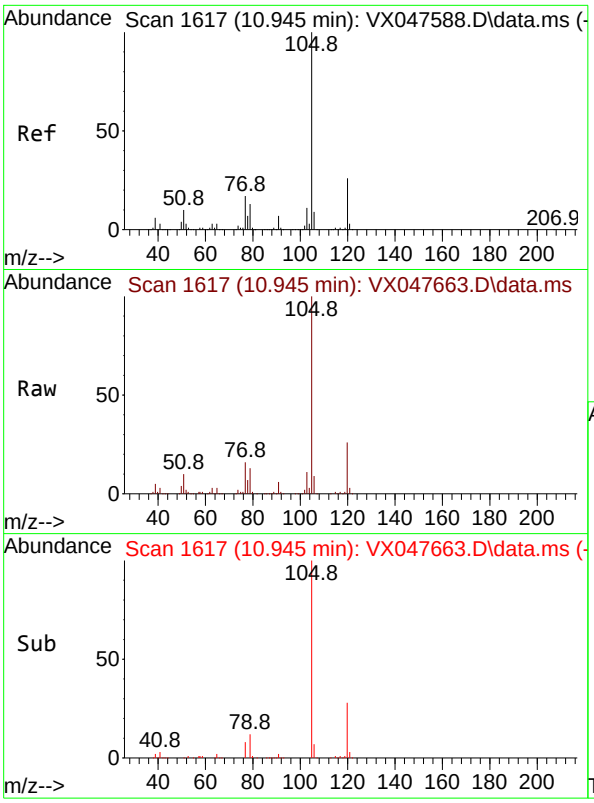


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047663.D
Acq: 19 Sep 2025 10:38

Tgt Ion:152 Resp: 146041

Ion	Ratio	Lower	Upper
152	100		
115	73.4	44.9	134.5
150	166.7	0.0	352.0



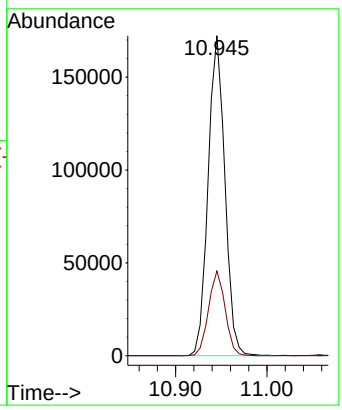


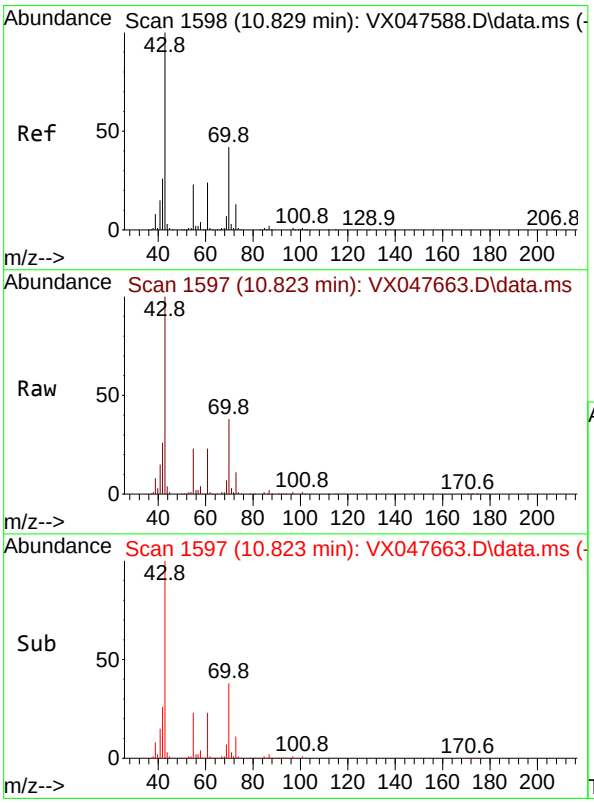
#73
Isopropylbenzene
Concen: 19.692 ug/l
RT: 10.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047663.D
Acq: 19 Sep 2025 10:38

Instrument :
MSVOA_X
ClientSampleId :
VX0919WBS01

Tgt Ion:105 Resp: 218637

Ion	Ratio	Lower	Upper
105	100		
120	26.2	12.8	38.4

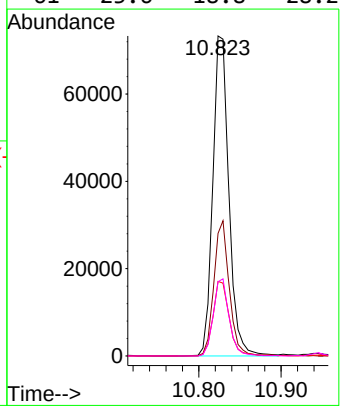


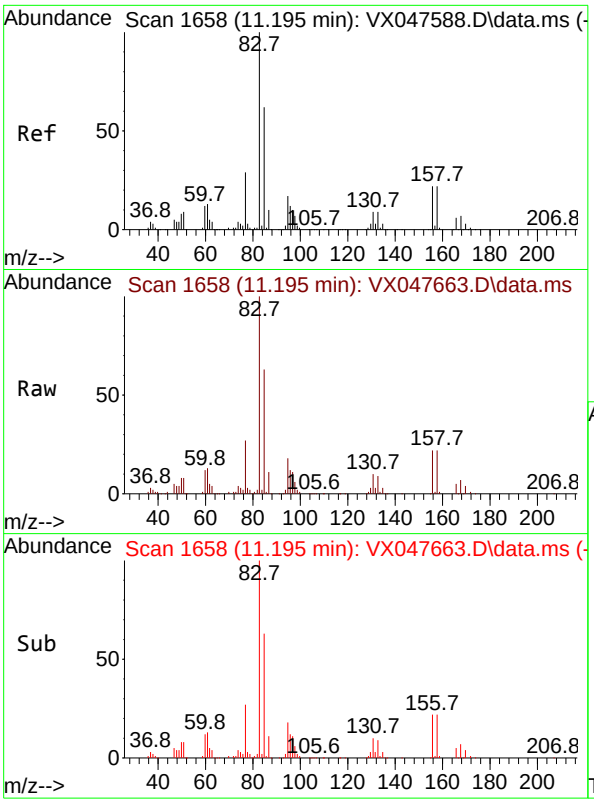


#74
N-amyl acetate
Concen: 19.678 ug/l
RT: 10.823 min Scan# 1597
Delta R.T. -0.006 min
Lab File: VX047663.D
Acq: 19 Sep 2025 10:38

Tgt Ion: 43 Resp: 99633

Ion	Ratio	Lower	Upper
43	100		
70	40.5	32.0	48.0
55	23.8	18.9	28.3
61	23.6	18.8	28.2



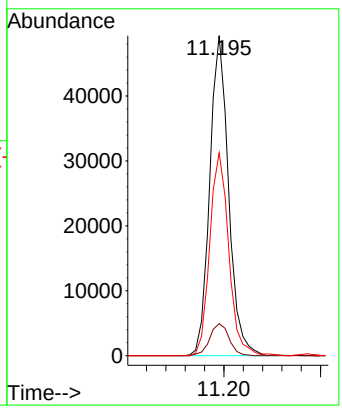


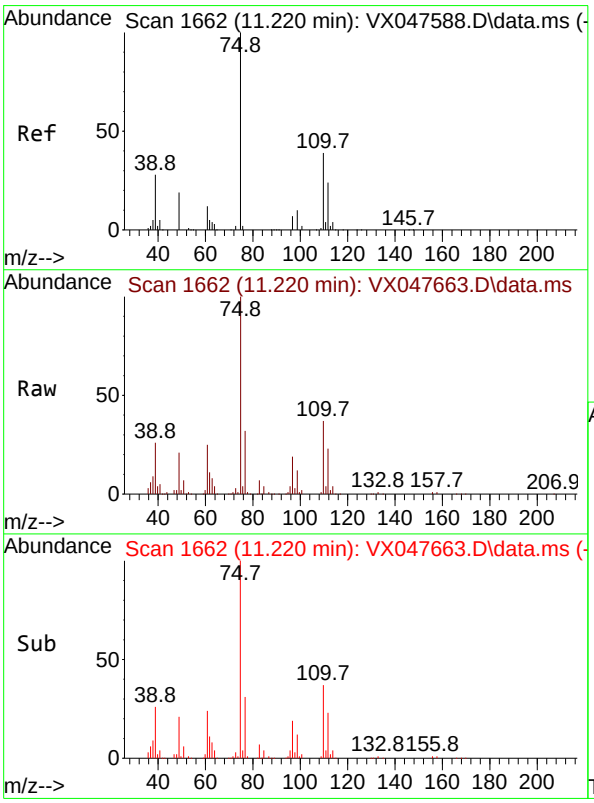
#75
1,1,2,2-Tetrachloroethane
Concen: 19.852 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047663.D
Acq: 19 Sep 2025 10:38

Instrument :
MSVOA_X
ClientSampleId :
VX0919WBS01

Tgt Ion: 83 Resp: 66686

Ion	Ratio	Lower	Upper
83	100		
131	10.3	5.0	14.9
85	63.9	31.6	95.0

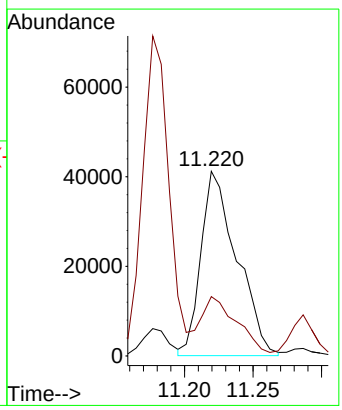


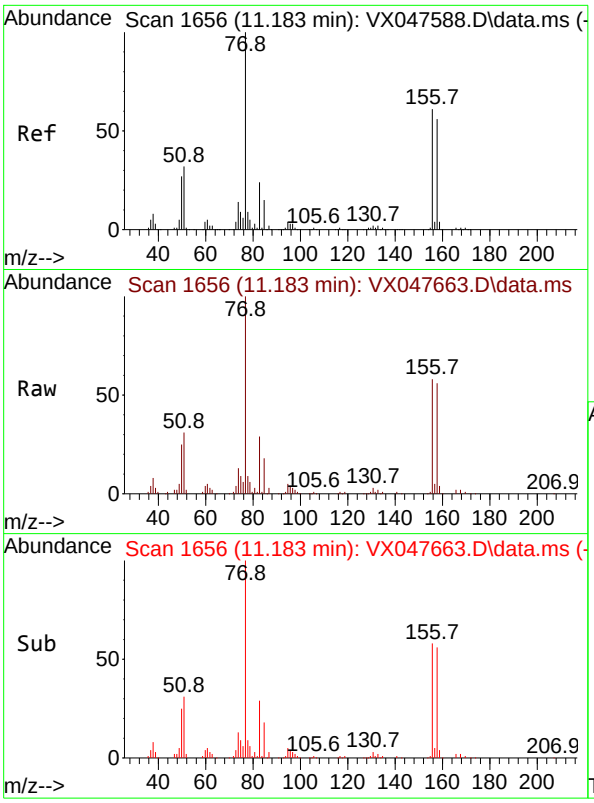


#76
1,2,3-Trichloropropane
Concen: 25.444 ug/l
RT: 11.220 min Scan# 1662
Delta R.T. -0.000 min
Lab File: VX047663.D
Acq: 19 Sep 2025 10:38

Tgt Ion: 75 Resp: 75234

Ion	Ratio	Lower	Upper
75	100		
77	30.7	18.8	56.4



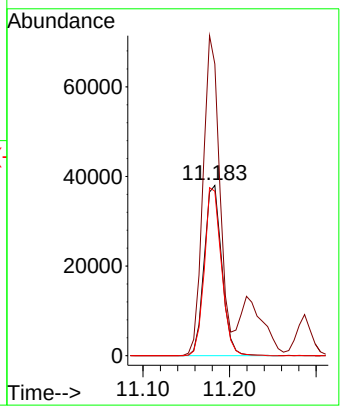


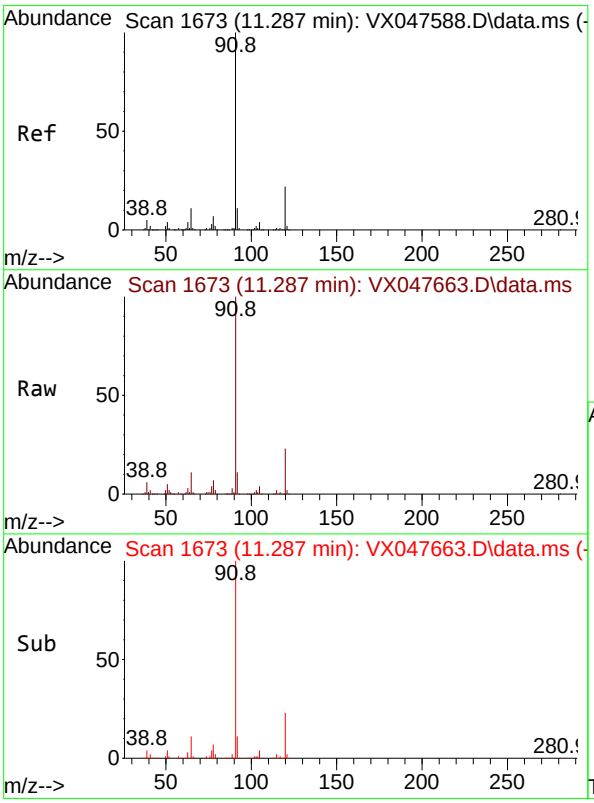
#77
Bromobenzene
Concen: 19.571 ug/l
RT: 11.183 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047663.D
Acq: 19 Sep 2025 10:38

Instrument :
MSVOA_X
ClientSampleId :
VX0919WBS01

Tgt Ion:156 Resp: 53519

Ion	Ratio	Lower	Upper
156	100		
77	177.7	89.7	269.1
158	96.3	47.9	143.6

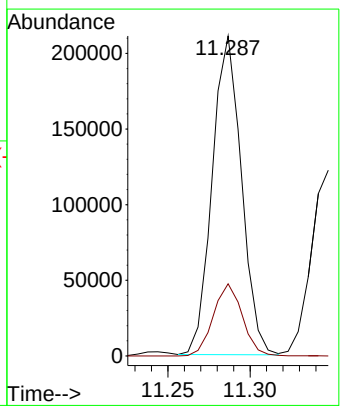


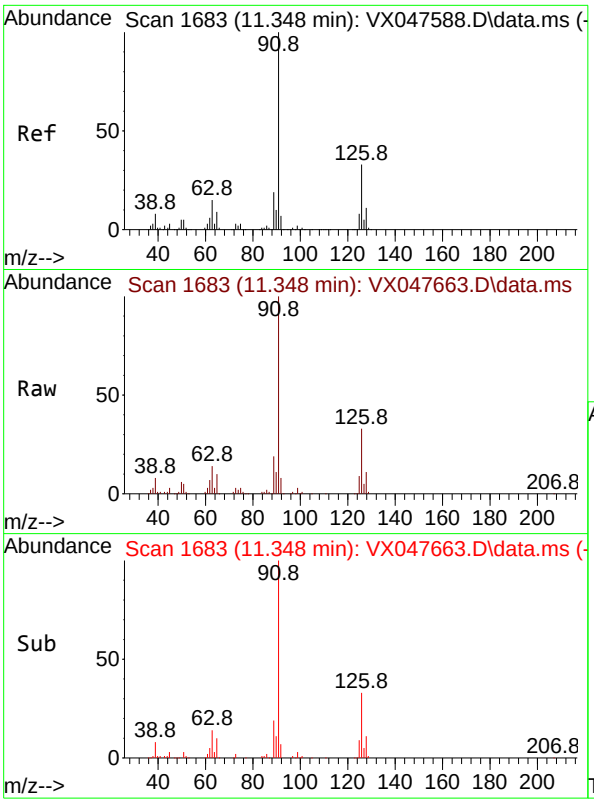


#78
n-propylbenzene
Concen: 19.847 ug/l
RT: 11.287 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX047663.D
Acq: 19 Sep 2025 10:38

Tgt Ion: 91 Resp: 260496

Ion	Ratio	Lower	Upper
91	100		
120	22.5	11.1	33.1



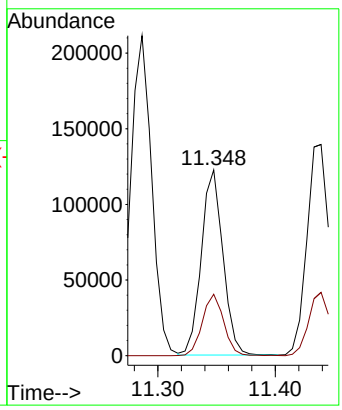


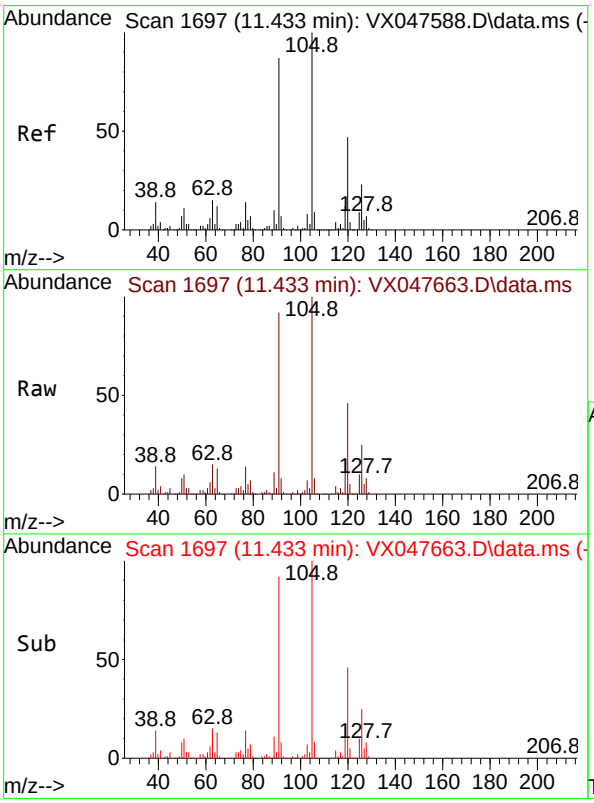
#79
2-Chlorotoluene
Concen: 19.476 ug/l
RT: 11.348 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047663.D
Acq: 19 Sep 2025 10:38

Instrument :
MSVOA_X
ClientSampleId :
VX0919WBS01

Tgt Ion: 91 Resp: 156568

Ion	Ratio	Lower	Upper
91	100		
126	32.9	16.1	48.3

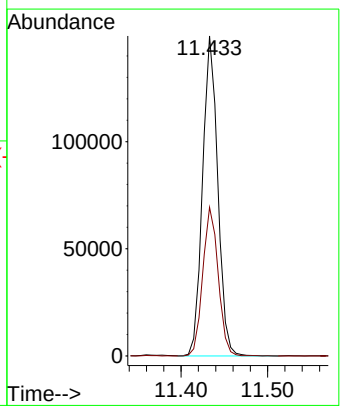


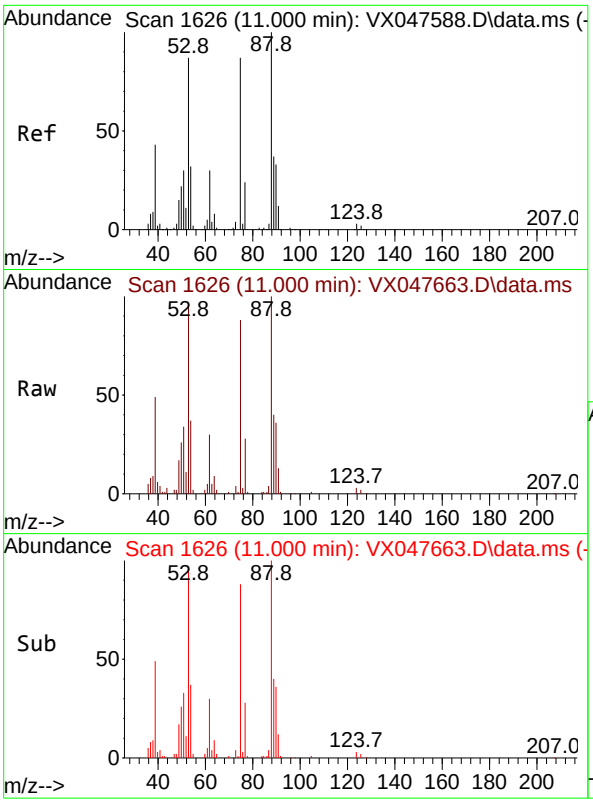


#80
1,3,5-Trimethylbenzene
Concen: 19.931 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX047663.D
Acq: 19 Sep 2025 10:38

Tgt Ion:105 Resp: 181815

Ion	Ratio	Lower	Upper
105	100		
120	47.2	23.6	70.8



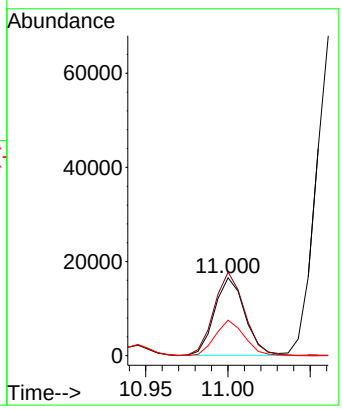


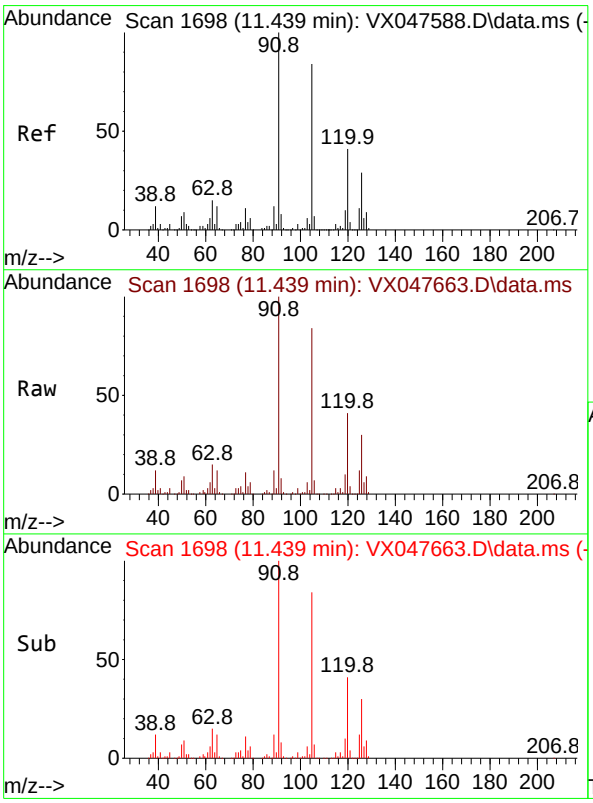
#81
trans-1,4-Dichloro-2-butene
Concen: 18.252 ug/l
RT: 11.000 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047663.D
Acq: 19 Sep 2025 10:38

Instrument :
MSVOA_X
ClientSampleId :
VX0919WBS01

Tgt Ion: 75 Resp: 21163

Ion	Ratio	Lower	Upper
75	100		
53	108.0	83.4	125.2
89	44.1	36.3	54.5

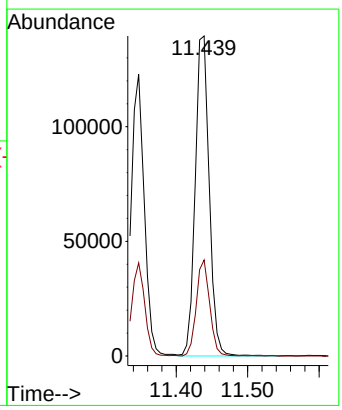


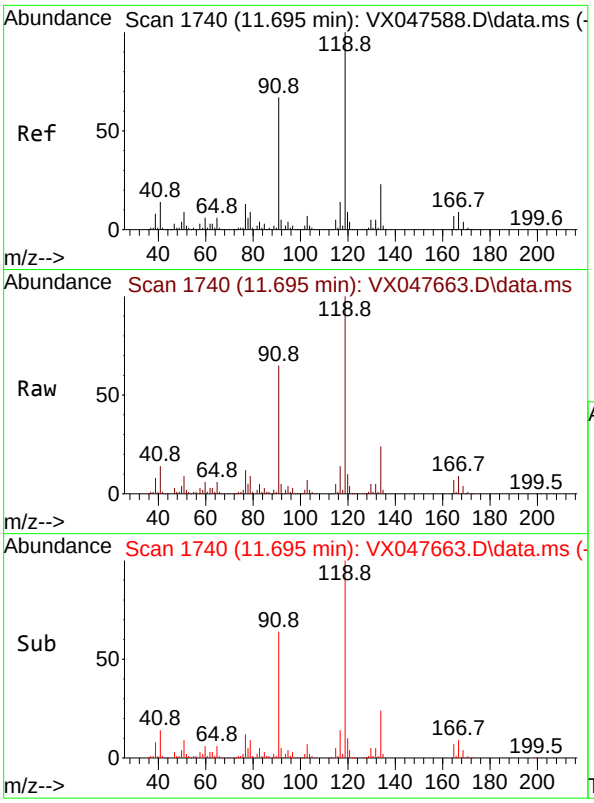


#82
4-Chlorotoluene
Concen: 19.954 ug/l
RT: 11.439 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VX047663.D
Acq: 19 Sep 2025 10:38

Tgt Ion: 91 Resp: 189446

Ion	Ratio	Lower	Upper
91	100		
126	28.4	14.2	42.6



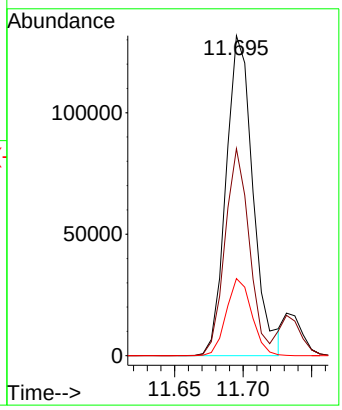


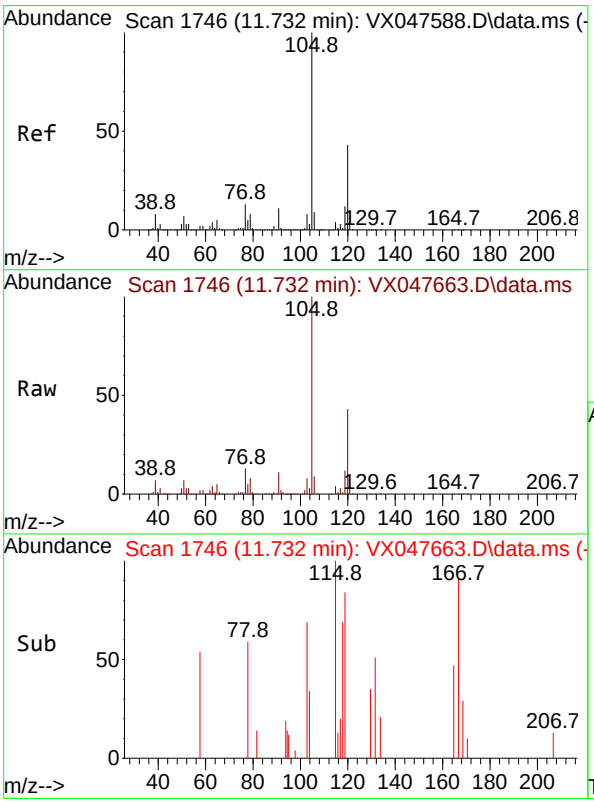
#83
tert-Butylbenzene
Concen: 19.298 ug/l
RT: 11.695 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047663.D
Acq: 19 Sep 2025 10:38

Instrument :
MSVOA_X
ClientSampleId :
VX0919WBS01

Tgt Ion:119 Resp: 180209

Ion	Ratio	Lower	Upper
119	100		
91	58.7	29.6	88.8
134	22.7	11.0	33.0

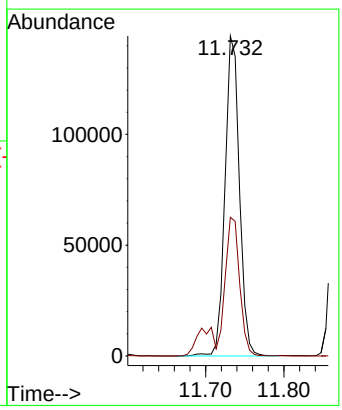


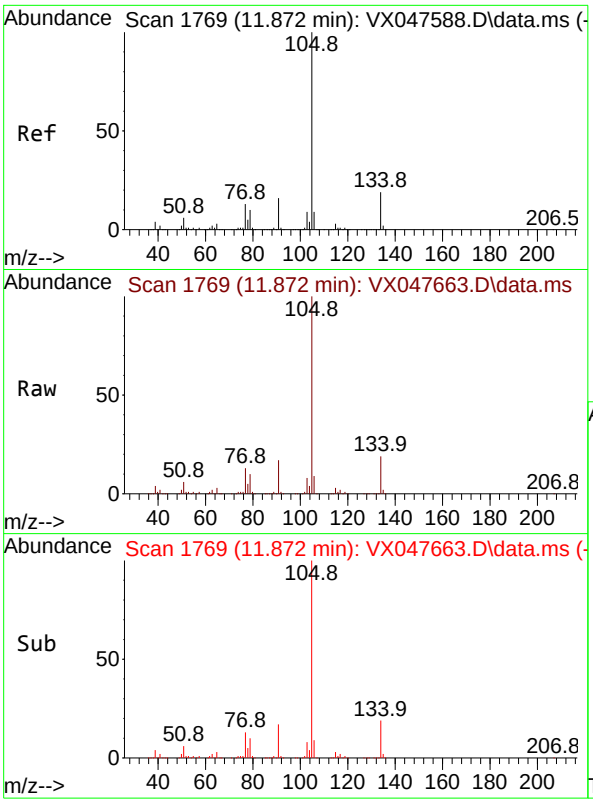


#84
1,2,4-Trimethylbenzene
Concen: 19.979 ug/l
RT: 11.732 min Scan# 1746
Delta R.T. -0.000 min
Lab File: VX047663.D
Acq: 19 Sep 2025 10:38

Tgt Ion:105 Resp: 184775

Ion	Ratio	Lower	Upper
105	100		
120	43.4	22.1	66.1



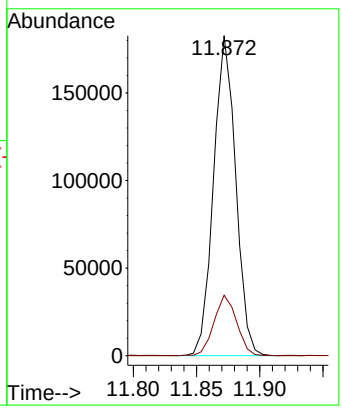


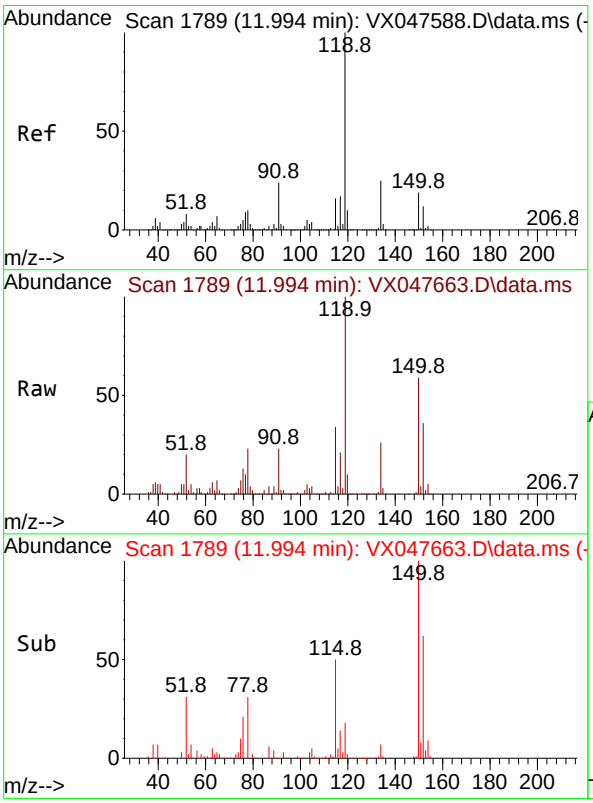
#85
sec-Butylbenzene
Concen: 20.014 ug/l
RT: 11.872 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047663.D
Acq: 19 Sep 2025 10:38

Instrument :
MSVOA_X
ClientSampleId :
VX0919WBS01

Tgt Ion:105 Resp: 221990

Ion	Ratio	Lower	Upper
105	100		
134	19.3	9.8	29.5

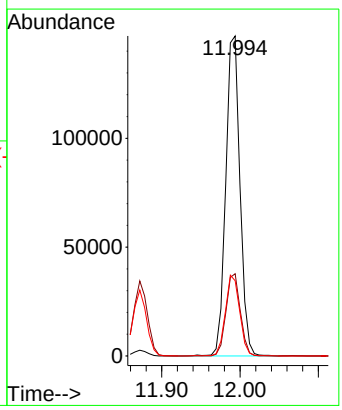


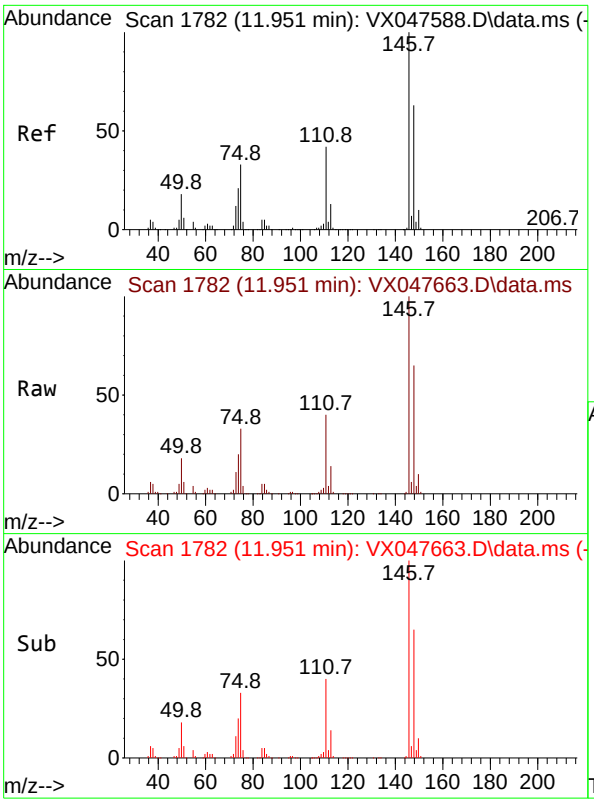


#86
p-Isopropyltoluene
Concen: 19.796 ug/l
RT: 11.994 min Scan# 1789
Delta R.T. -0.000 min
Lab File: VX047663.D
Acq: 19 Sep 2025 10:38

Tgt Ion:119 Resp: 185890

Ion	Ratio	Lower	Upper
119	100		
134	25.9	12.6	37.8
91	25.3	12.6	37.6



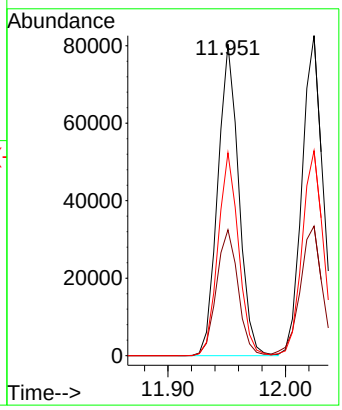


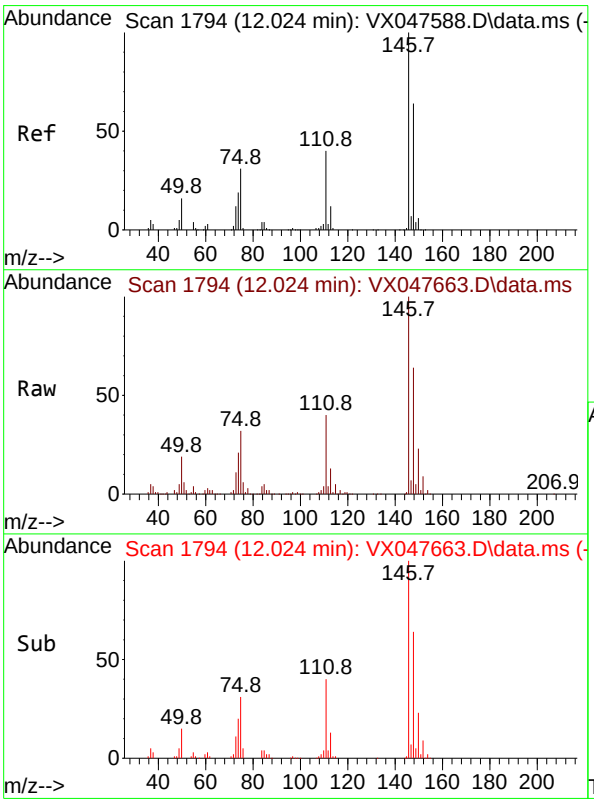
#87
1,3-Dichlorobenzene
Concen: 19.672 ug/l
RT: 11.951 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047663.D
Acq: 19 Sep 2025 10:38

Instrument :
MSVOA_X
ClientSampleId :
VX0919WBS01

Tgt Ion:146 Resp: 99921

Ion	Ratio	Lower	Upper
146	100		
111	41.6	21.5	64.5
148	63.7	32.0	96.0

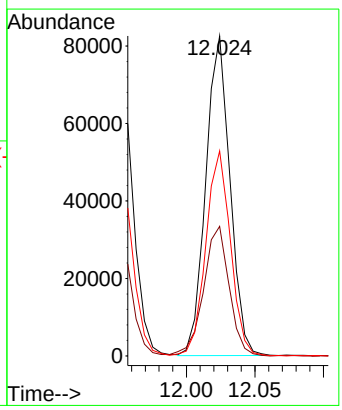


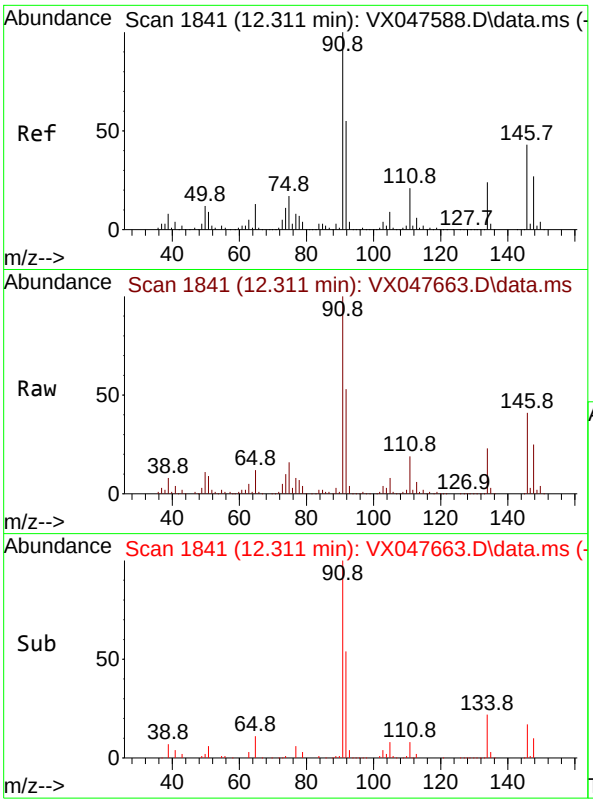


#88
1,4-Dichlorobenzene
Concen: 19.453 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX047663.D
Acq: 19 Sep 2025 10:38

Tgt Ion:146 Resp: 101411

Ion	Ratio	Lower	Upper
146	100		
111	42.8	20.8	62.4
148	65.3	31.7	95.1



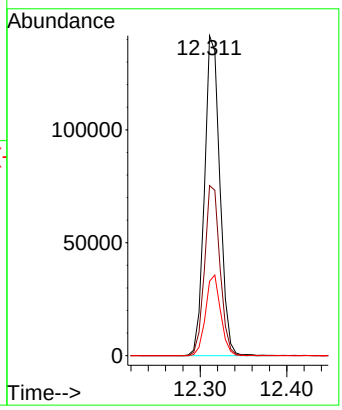


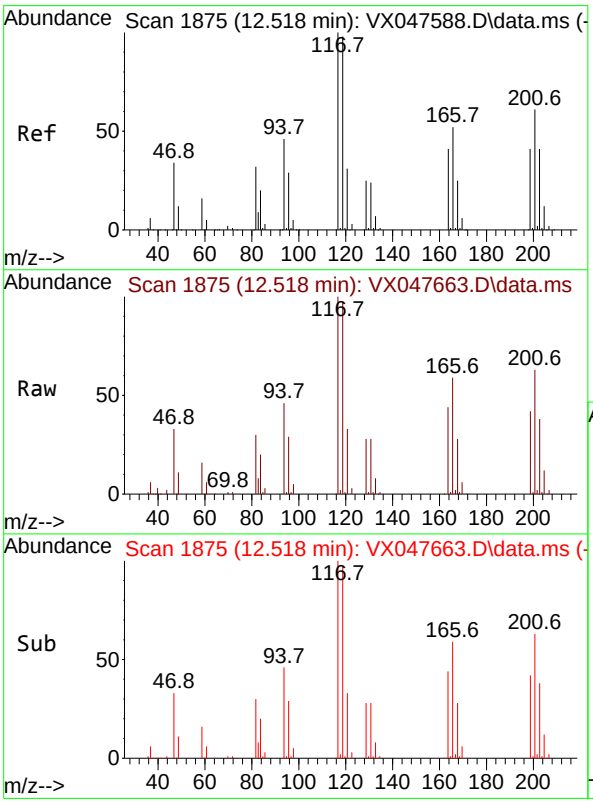
#89
n-Butylbenzene
Concen: 20.101 ug/l
RT: 12.311 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047663.D
Acq: 19 Sep 2025 10:38

Instrument :
MSVOA_X
ClientSampleId :
VX0919WBS01

Tgt Ion: 91 Resp: 174651

Ion	Ratio	Lower	Upper
91	100		
92	53.2	27.6	82.7
134	24.7	12.6	37.8

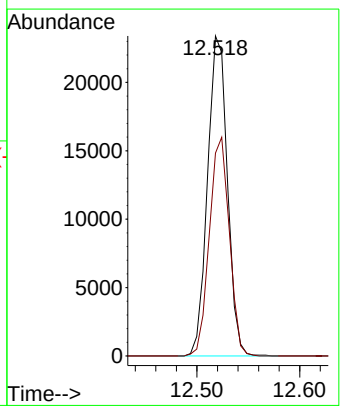


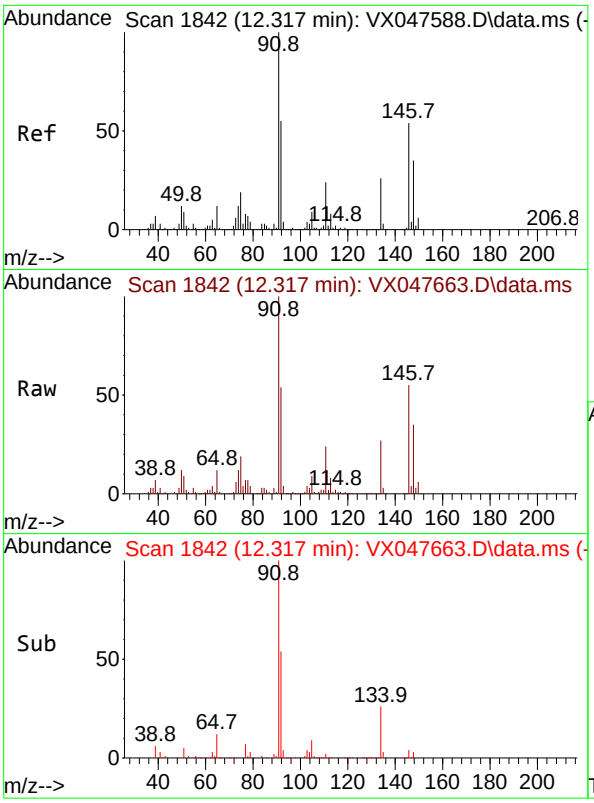


#90
Hexachloroethane
Concen: 19.010 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VX047663.D
Acq: 19 Sep 2025 10:38

Tgt Ion:117 Resp: 31341

Ion	Ratio	Lower	Upper
117	100		
201	68.6	34.2	102.5



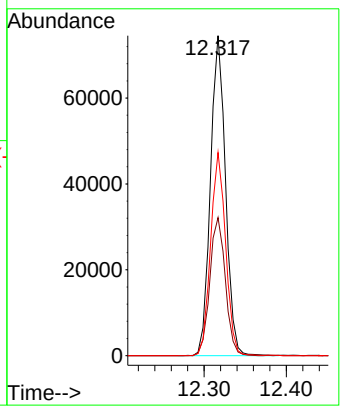


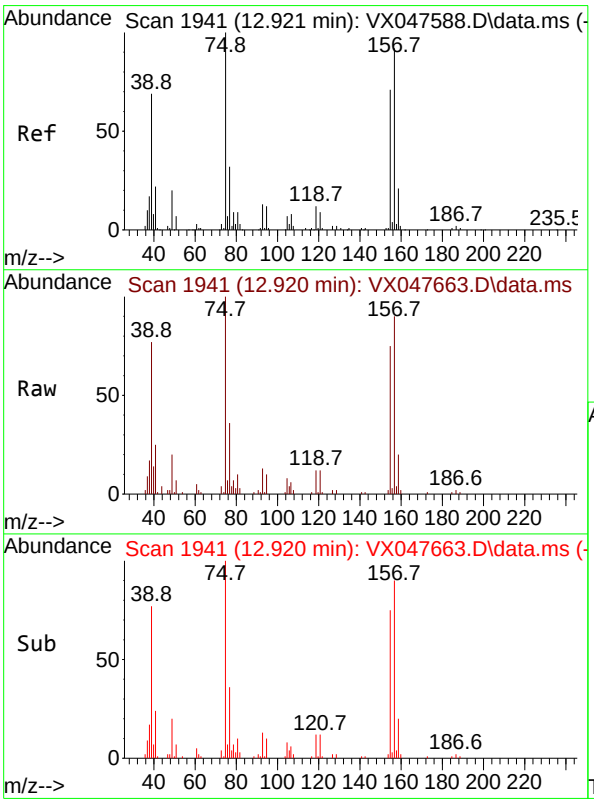
#91
1,2-Dichlorobenzene
Concen: 19.589 ug/l
RT: 12.317 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047663.D
Acq: 19 Sep 2025 10:38

Instrument :
MSVOA_X
ClientSampleId :
VX0919WBS01

Tgt Ion:146 Resp: 94793

Ion	Ratio	Lower	Upper
146	100		
111	44.5	22.2	66.6
148	63.3	31.8	95.4

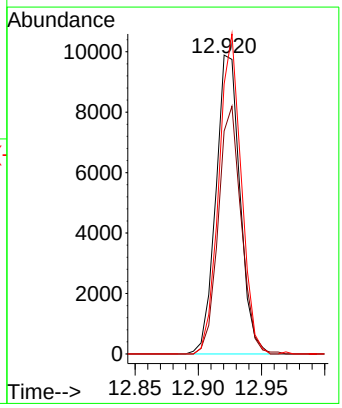


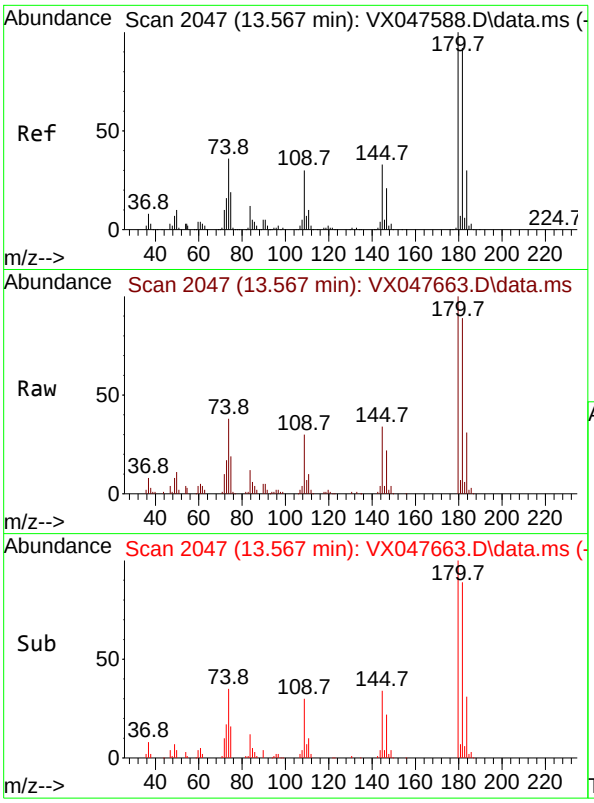


#92
1,2-Dibromo-3-Chloropropane
Concen: 19.231 ug/l
RT: 12.920 min Scan# 1941
Delta R.T. -0.000 min
Lab File: VX047663.D
Acq: 19 Sep 2025 10:38

Tgt Ion: 75 Resp: 13079

Ion	Ratio	Lower	Upper
75	100		
155	78.9	37.7	113.1
157	99.3	49.8	149.4



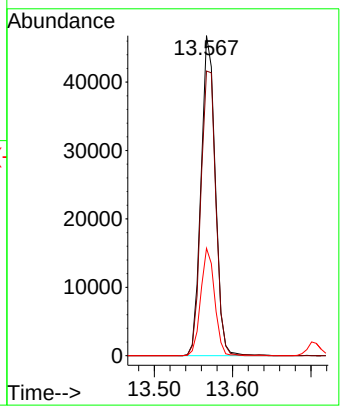


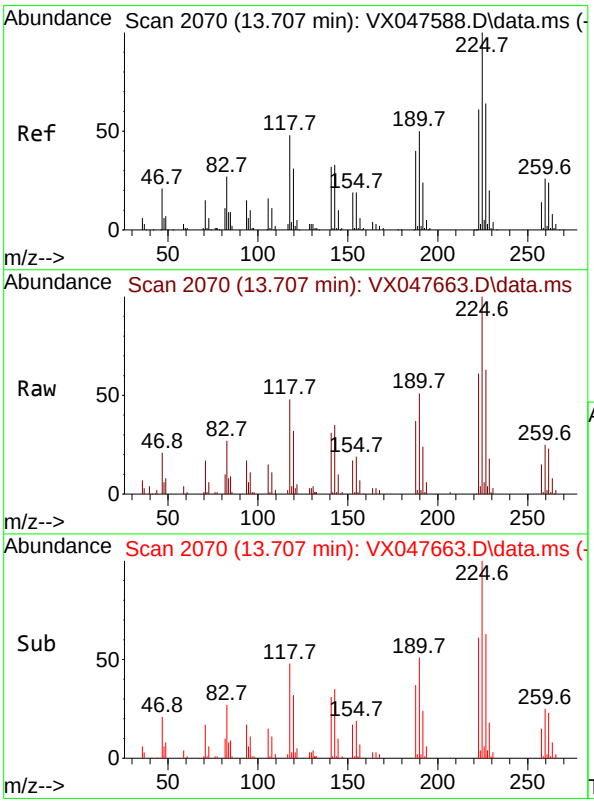
#93
1,2,4-Trichlorobenzene
Concen: 18.794 ug/l
RT: 13.567 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047663.D
Acq: 19 Sep 2025 10:38

Instrument :
MSVOA_X
ClientSampleId :
VX0919WBS01

Tgt Ion:180 Resp: 59106

Ion	Ratio	Lower	Upper
180	100		
182	93.5	46.6	139.8
145	32.6	16.4	49.1

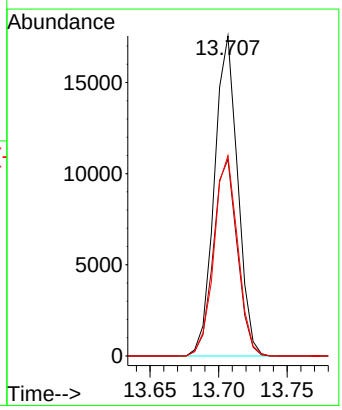


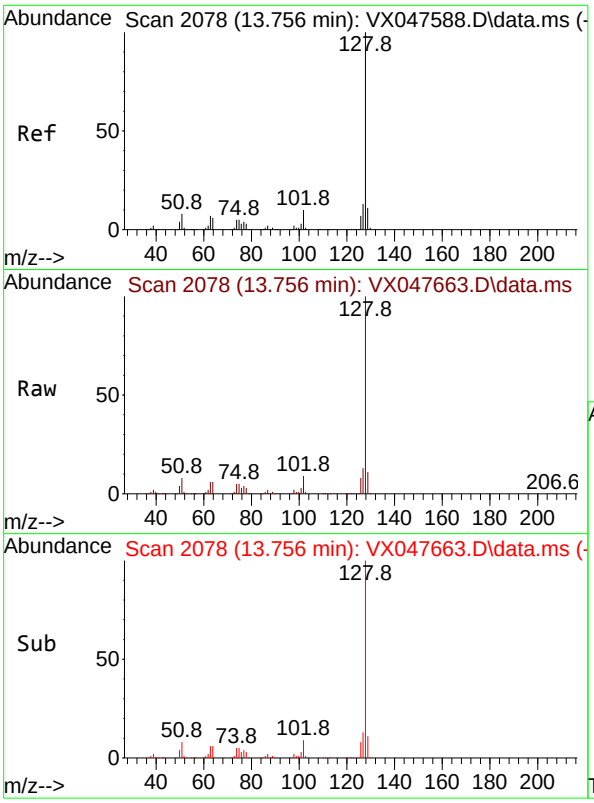


#94
Hexachlorobutadiene
Concen: 19.445 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. -0.000 min
Lab File: VX047663.D
Acq: 19 Sep 2025 10:38

Tgt Ion:225 Resp: 20772

Ion	Ratio	Lower	Upper
225	100		
223	62.8	31.7	95.1
227	63.5	32.0	96.0



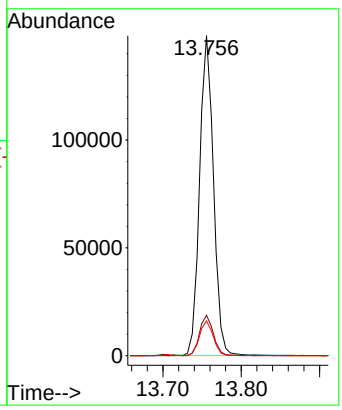


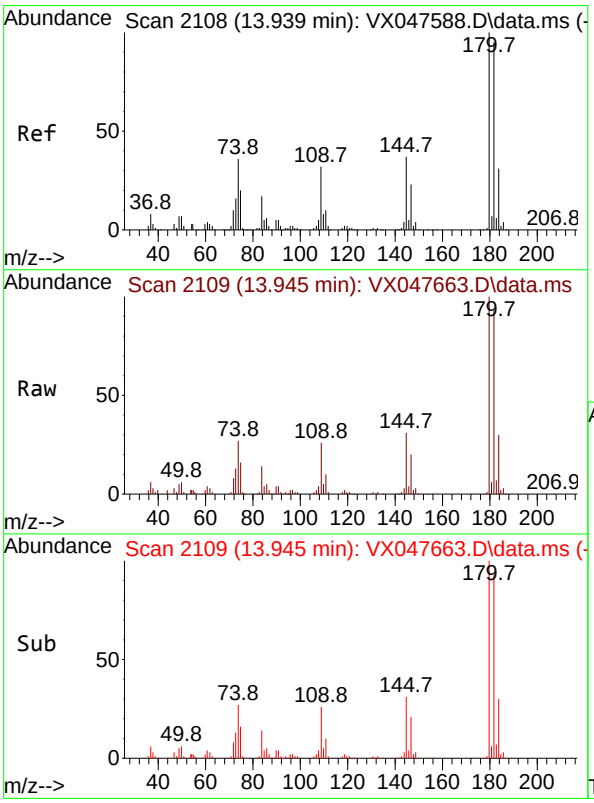
#95
Naphthalene
Concen: 19.000 ug/l
RT: 13.756 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047663.D
Acq: 19 Sep 2025 10:38

Instrument :
MSVOA_X
ClientSampleId :
VX0919WBS01

Tgt Ion:128 Resp: 181956

Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.2	15.2
129	10.9	8.8	13.2

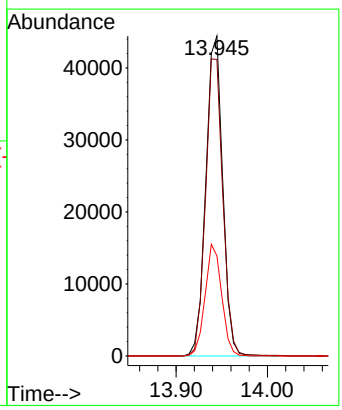




#96
1,2,3-Trichlorobenzene
Concen: 19.434 ug/l
RT: 13.945 min Scan# 2109
Delta R.T. 0.006 min
Lab File: VX047663.D
Acq: 19 Sep 2025 10:38

Tgt Ion:180 Resp: 56854

Ion	Ratio	Lower	Upper
180	100		
182	95.4	47.6	142.8
145	34.3	17.9	53.7



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091925\
Data File : VX047687.D
Acq On : 19 Sep 2025 19:03
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Quant Time: Sep 20 00:37:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.538	168	154405	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	278359	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	248998	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	120684	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	130953	53.282	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 106.560%			
35) Dibromofluoromethane	5.373	113	100288	53.721	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.440%			
50) Toluene-d8	8.635	98	344346	53.308	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 106.620%			
62) 4-Bromofluorobenzene	11.061	95	129494	52.822	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 105.640%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.179	85	101670	63.588	ug/l	98
3) Chloromethane	1.300	50	123827	58.927	ug/l	99
4) Vinyl Chloride	1.380	62	122810	59.703	ug/l	97
5) Bromomethane	1.617	94	77609	59.499	ug/l	100
6) Chloroethane	1.697	64	77528	56.391	ug/l	97
7) Trichlorofluoromethane	1.898	101	168856	55.285	ug/l	99
8) Diethyl Ether	2.136	74	68004	54.429	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.337	101	99678	55.814	ug/l	97
10) Methyl Iodide	2.459	142	146871	52.731	ug/l	100
11) Tert butyl alcohol	2.940	59	58211	212.661	ug/l	100
12) 1,1-Dichloroethene	2.325	96	100925	55.015	ug/l	95
13) Acrolein	2.239	56	68460	271.404	ug/l	98
14) Allyl chloride	2.666	41	195491	51.642	ug/l	98
15) Acrylonitrile	3.056	53	276208	272.421	ug/l	100
16) Acetone	2.373	43	211924	198.313	ug/l	96
17) Carbon Disulfide	2.520	76	289670	57.679	ug/l	100
18) Methyl Acetate	2.697	43	127073	53.432	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	351150	52.436	ug/l	99
20) Methylene Chloride	2.788	84	122715	54.250	ug/l	97
21) trans-1,2-Dichloroethene	3.093	96	109388	55.385	ug/l	97
22) Diisopropyl ether	3.751	45	400135	54.541	ug/l #	83
23) Vinyl Acetate	3.715	43	1611770	274.498	ug/l	100
24) 1,1-Dichloroethane	3.605	63	212751	54.560	ug/l	99
25) 2-Butanone	4.538	43	329510	247.197	ug/l	99
26) 2,2-Dichloropropane	4.471	77	145629	44.928	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	129834	53.677	ug/l	98
28) Bromochloromethane	4.885	49	91361	53.668	ug/l	99
29) Tetrahydrofuran	4.989	42	208846	260.441	ug/l	100
30) Chloroform	5.080	83	214531	54.443	ug/l	96
31) Cyclohexane	5.464	56	173386	53.387	ug/l	98
32) 1,1,1-Trichloroethane	5.379	97	178728	53.474	ug/l	100
36) 1,1-Dichloropropene	5.684	75	140108	51.362	ug/l	99
37) Ethyl Acetate	4.696	43	147497	50.499	ug/l	100
38) Carbon Tetrachloride	5.666	117	150656	50.831	ug/l	95
39) Methylcyclohexane	7.366	83	162143	52.363	ug/l	99
40) Benzene	6.025	78	445760	53.802	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091925\
Data File : VX047687.D
Acq On : 19 Sep 2025 19:03
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Quant Time: Sep 20 00:37:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.903	41	79917	53.000	ug/l		99
42) 1,2-Dichloroethane	6.074	62	163773	51.951	ug/l		98
43) Isopropyl Acetate	6.324	43	246265	51.410	ug/l		99
44) Trichloroethene	7.117	130	112580	56.204	ug/l		93
45) 1,2-Dichloropropane	7.415	63	114044	53.755	ug/l		99
46) Dibromomethane	7.568	93	81845	53.014	ug/l		97
47) Bromodichloromethane	7.805	83	169676	53.260	ug/l		97
48) Methyl methacrylate	7.677	41	124085	52.004	ug/l		98
49) 1,4-Dioxane	7.647	88	26594	1102.850	ug/l		97
51) 4-Methyl-2-Pentanone	8.555	43	702538	264.517	ug/l		99
52) Toluene	8.702	92	272421	53.368	ug/l		99
53) t-1,3-Dichloropropene	8.964	75	167442	51.527	ug/l		99
54) cis-1,3-Dichloropropene	8.354	75	179970	51.815	ug/l		99
55) 1,1,2-Trichloroethane	9.134	97	104952	53.322	ug/l		99
56) Ethyl methacrylate	9.104	69	165642	53.586	ug/l		98
57) 1,3-Dichloropropane	9.293	76	183018	54.129	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.226	63	384468	259.650	ug/l		100
59) 2-Hexanone	9.415	43	481662	252.510	ug/l		99
60) Dibromochloromethane	9.506	129	121253	53.465	ug/l		99
61) 1,2-Dibromoethane	9.592	107	110255	54.996	ug/l		99
64) Tetrachloroethene	9.262	164	84740	52.205	ug/l		95
65) Chlorobenzene	10.061	112	298639	52.793	ug/l		98
66) 1,1,1,2-Tetrachloroethane	10.146	131	101896	52.201	ug/l		97
67) Ethyl Benzene	10.177	91	517118	52.982	ug/l		99
68) m/p-Xylenes	10.287	106	381354	104.973	ug/l		99
69) o-Xylene	10.628	106	187399	53.332	ug/l		99
70) Styrene	10.640	104	327913	53.259	ug/l		99
71) Bromoform	10.780	173	75620	51.882	ug/l	#	98
73) Isopropylbenzene	10.945	105	475596	51.835	ug/l		100
74) N-amyl acetate	10.829	43	216669	51.785	ug/l		100
75) 1,1,2,2-Tetrachloroethane	11.195	83	145518	52.421	ug/l		98
76) 1,2,3-Trichloropropane	11.219	75	158337	64.800	ug/l		89
77) Bromobenzene	11.183	156	117390	51.947	ug/l		99
78) n-propylbenzene	11.286	91	565595	52.147	ug/l		100
79) 2-Chlorotoluene	11.347	91	341195	51.361	ug/l		100
80) 1,3,5-Trimethylbenzene	11.433	105	388702	51.564	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.000	75	43877	45.792	ug/l		97
82) 4-Chlorotoluene	11.439	91	401172	51.132	ug/l		98
83) tert-Butylbenzene	11.695	119	391982	50.797	ug/l		99
84) 1,2,4-Trimethylbenzene	11.732	105	397498	52.011	ug/l		100
85) sec-Butylbenzene	11.872	105	467967	51.055	ug/l		100
86) p-Isopropyltoluene	11.988	119	392640	50.599	ug/l		99
87) 1,3-Dichlorobenzene	11.951	146	215979	51.456	ug/l		99
88) 1,4-Dichlorobenzene	12.024	146	218234	50.659	ug/l		100
89) n-Butylbenzene	12.311	91	365418	50.892	ug/l		98
90) Hexachloroethane	12.518	117	68460	50.250	ug/l		98
91) 1,2-Dichlorobenzene	12.317	146	206378	51.610	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.920	75	26906	47.873	ug/l		95
93) 1,2,4-Trichlorobenzene	13.567	180	132061	50.815	ug/l		99
94) Hexachlorobutadiene	13.707	225	40751	46.163	ug/l		98
95) Naphthalene	13.756	128	395649	49.995	ug/l		100
96) 1,2,3-Trichlorobenzene	13.938	180	118876	49.173	ug/l		97

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091925\
Data File : VX047687.D
Acq On : 19 Sep 2025 19:03
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Quant Time: Sep 20 00:37:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

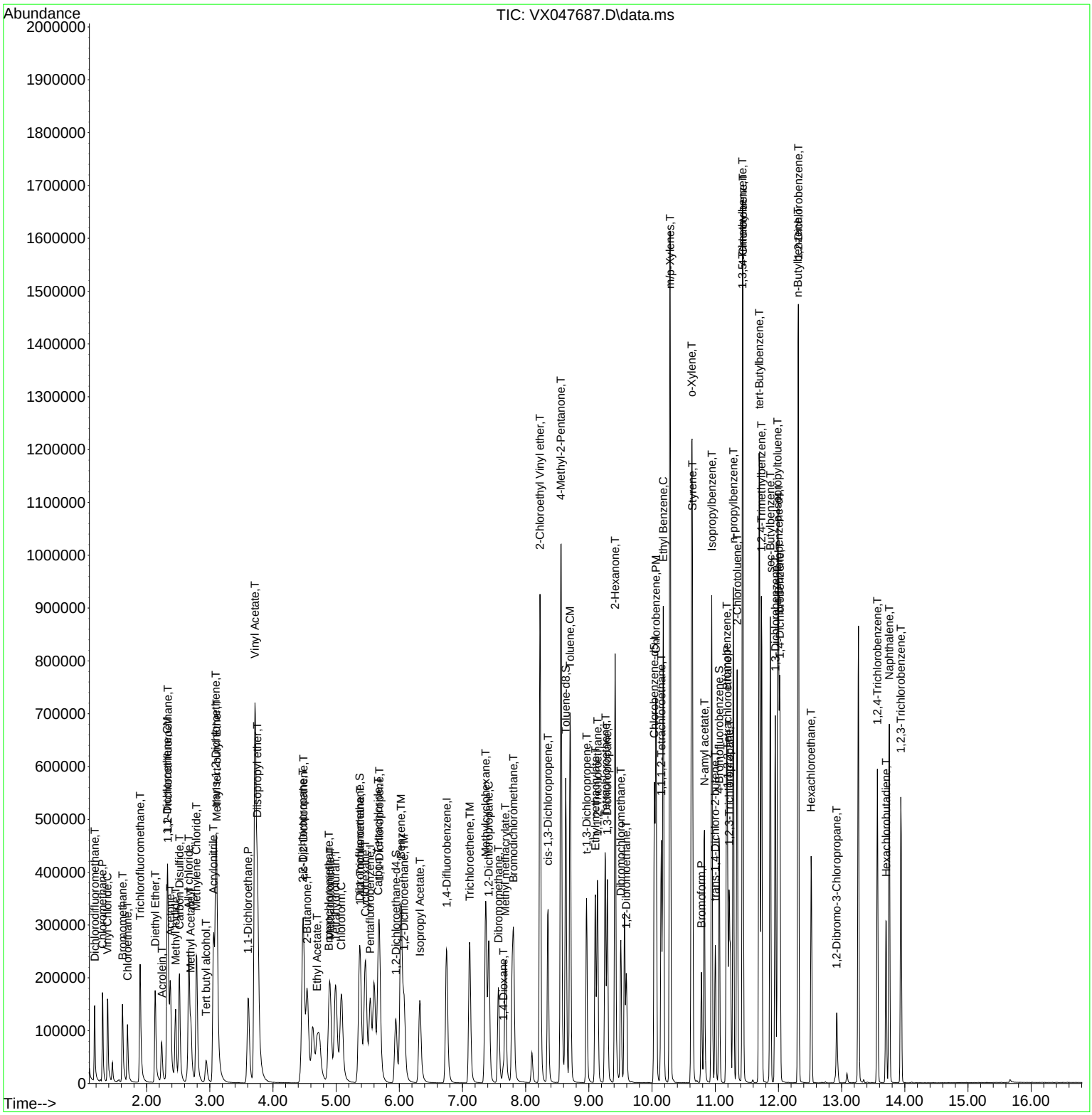
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

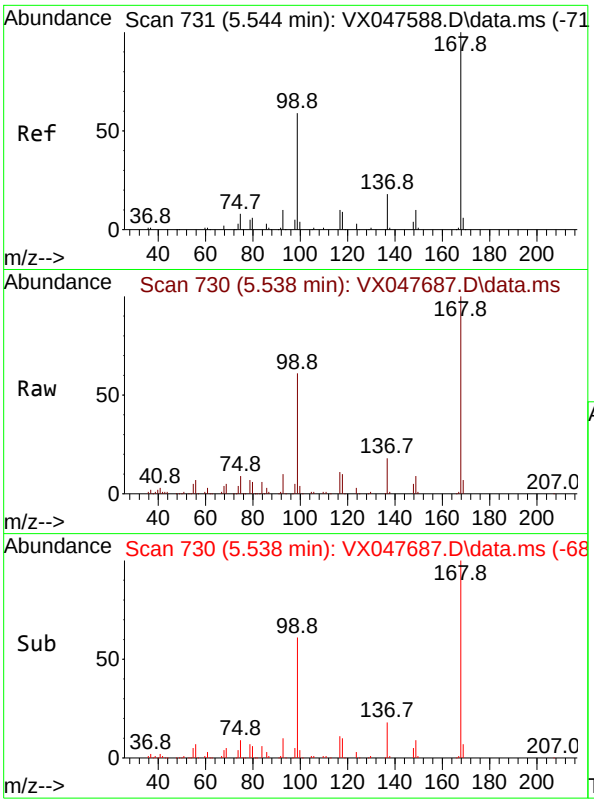
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091925\
Data File : VX047687.D
Acq On : 19 Sep 2025 19:03
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Quant Time: Sep 20 00:37:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



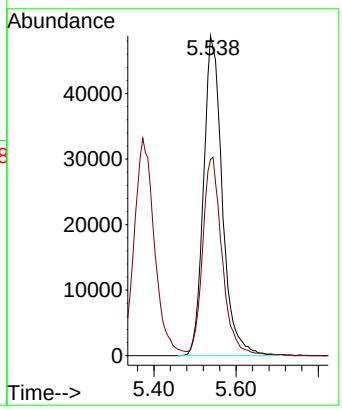


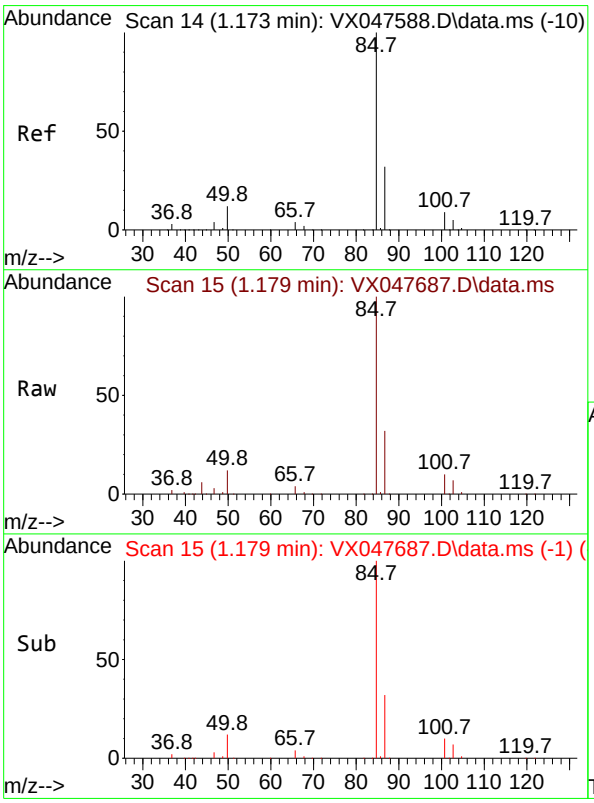
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047687.D
Acq: 19 Sep 2025 19:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:168 Resp: 154405

Ion	Ratio	Lower	Upper
168	100		
99	61.0	48.8	73.2

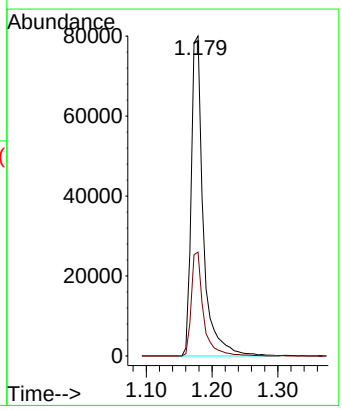


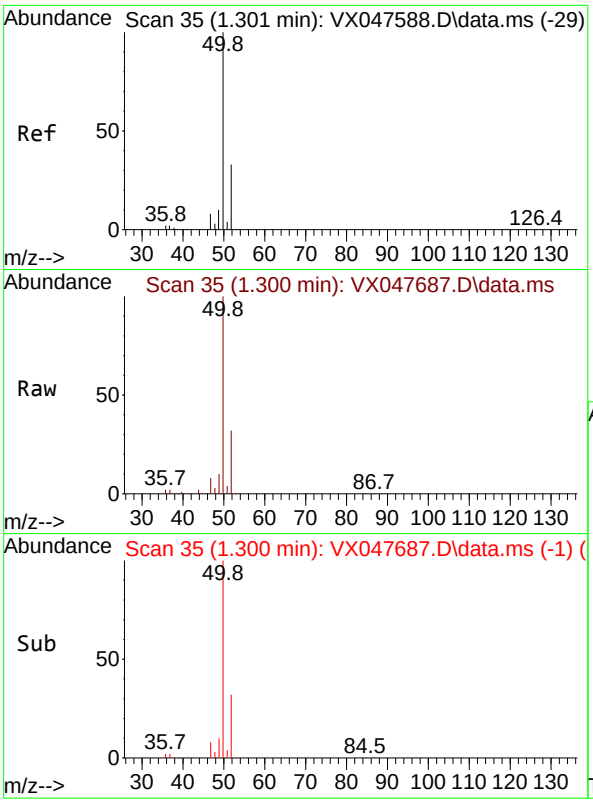


#2
Dichlorodifluoromethane
Concen: 63.588 ug/l
RT: 1.179 min Scan# 15
Delta R.T. 0.006 min
Lab File: VX047687.D
Acq: 19 Sep 2025 19:03

Tgt Ion: 85 Resp: 101670

Ion	Ratio	Lower	Upper
85	100		
87	32.5	15.8	47.3



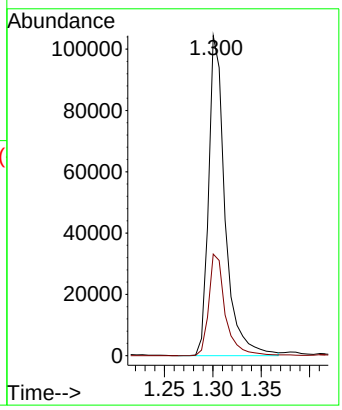


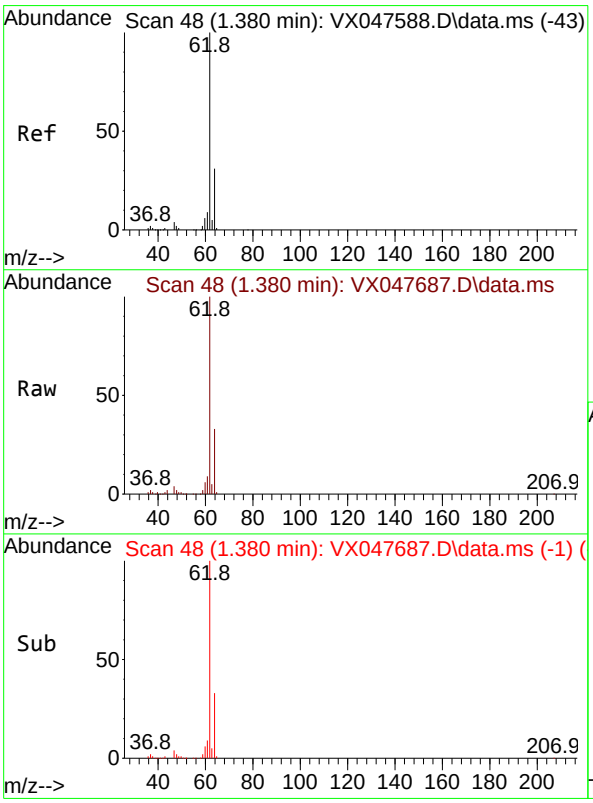
#3
Chloromethane
Concen: 58.927 ug/l
RT: 1.300 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047687.D
Acq: 19 Sep 2025 19:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 50 Resp: 123827

Ion	Ratio	Lower	Upper
50	100		
52	31.8	26.1	39.1

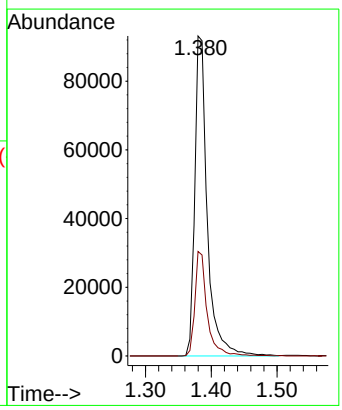


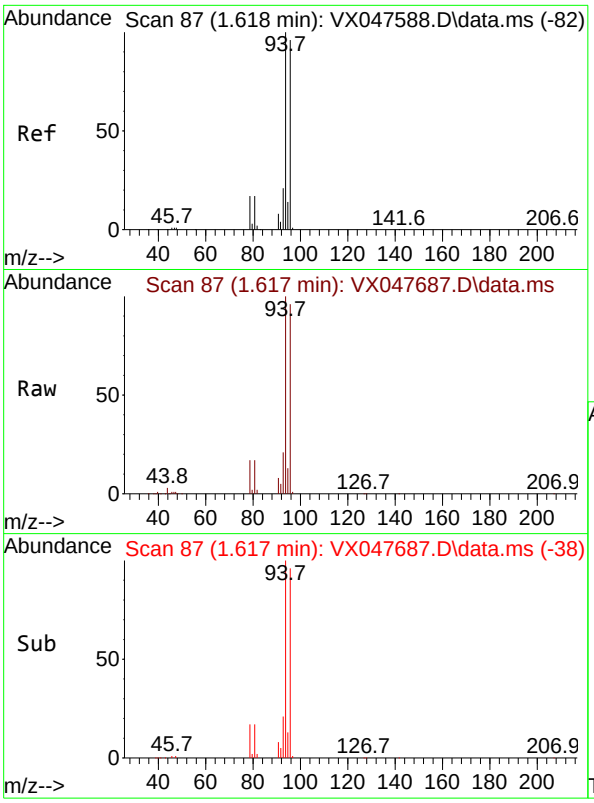


#4
Vinyl Chloride
Concen: 59.703 ug/l
RT: 1.380 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX047687.D
Acq: 19 Sep 2025 19:03

Tgt Ion: 62 Resp: 122810

Ion	Ratio	Lower	Upper
62	100		
64	32.7	24.9	37.3



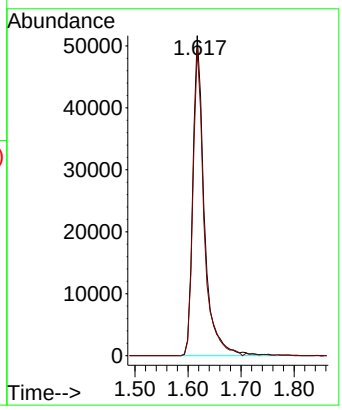


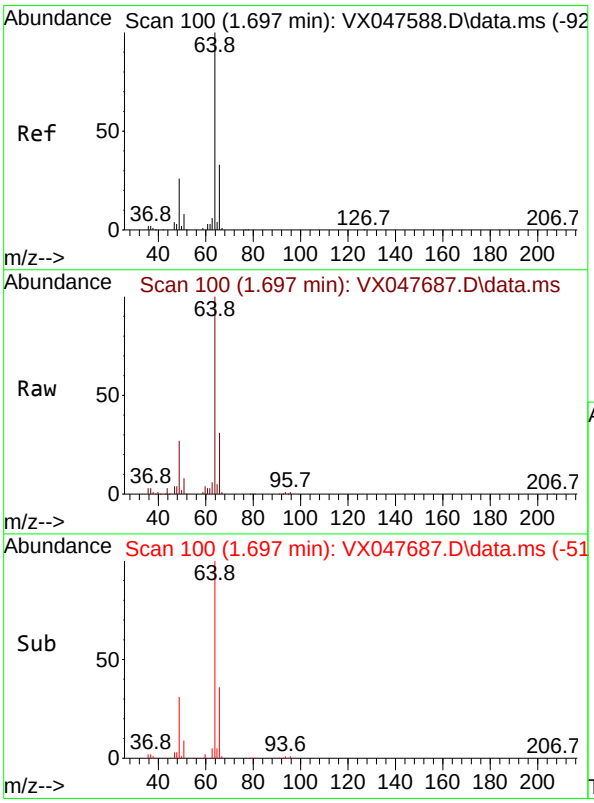
#5
Bromomethane
Concen: 59.499 ug/l
RT: 1.617 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX047687.D
Acq: 19 Sep 2025 19:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 94 Resp: 77609

Ion	Ratio	Lower	Upper
94	100		
96	95.8	76.6	115.0

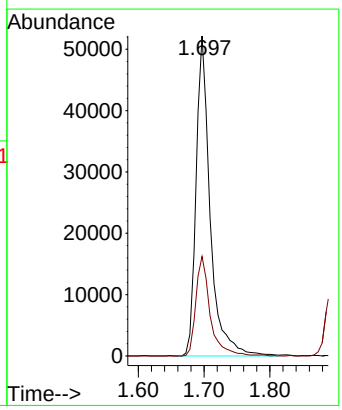


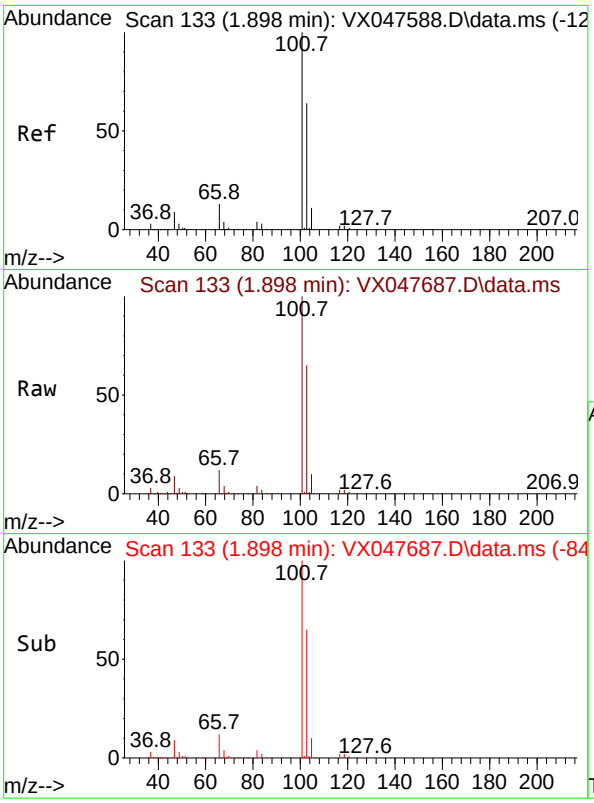


#6
Chloroethane
Concen: 56.391 ug/l
RT: 1.697 min Scan# 100
Delta R.T. -0.000 min
Lab File: VX047687.D
Acq: 19 Sep 2025 19:03

Tgt Ion: 64 Resp: 77528

Ion	Ratio	Lower	Upper
64	100		
66	31.1	26.1	39.1



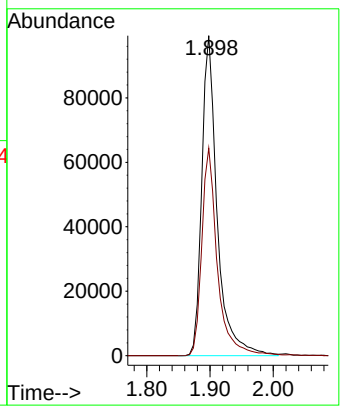


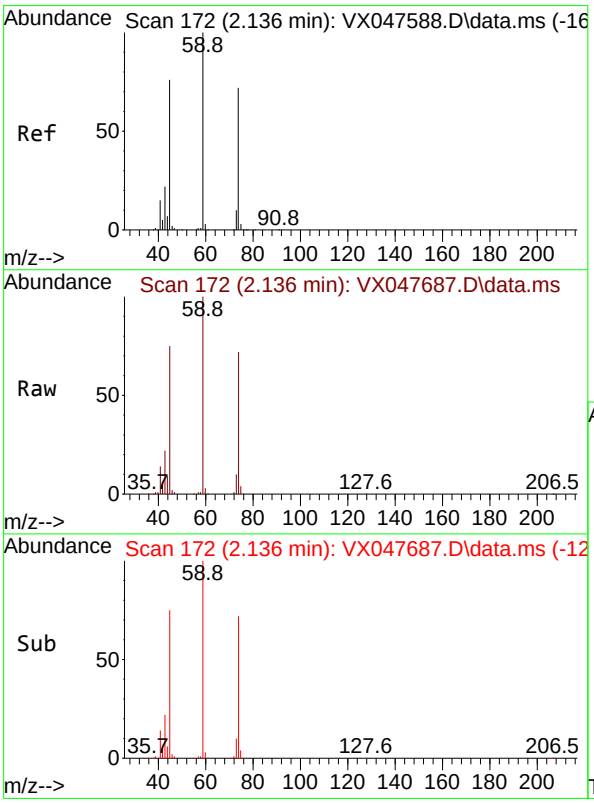
#7
Trichlorofluoromethane
Concen: 55.285 ug/l
RT: 1.898 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047687.D
Acq: 19 Sep 2025 19:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:101 Resp: 168856

Ion	Ratio	Lower	Upper
101	100		
103	64.8	51.4	77.2

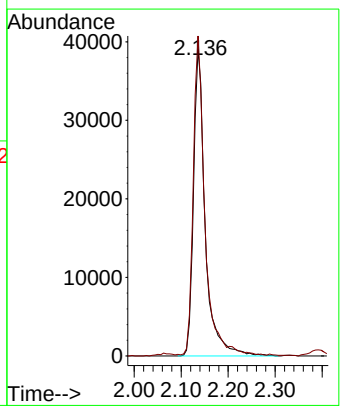


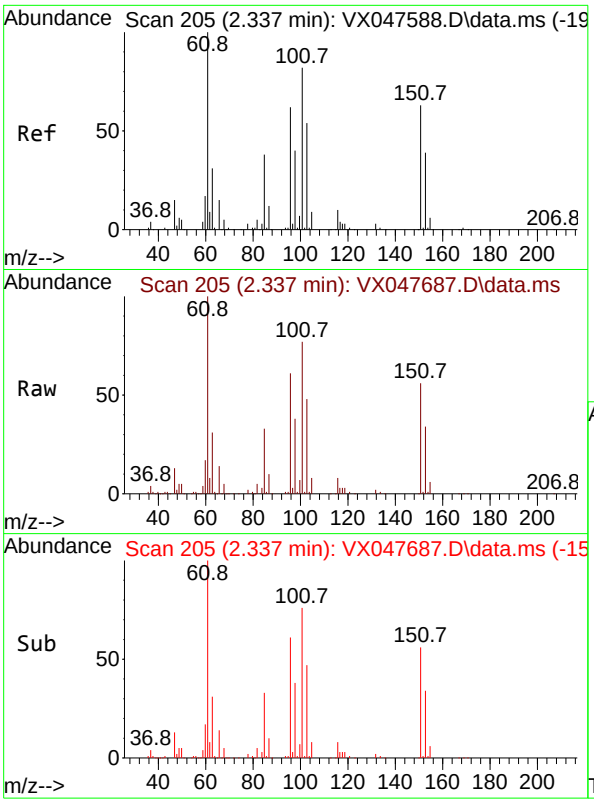


#8
Diethyl Ether
Concen: 54.429 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX047687.D
Acq: 19 Sep 2025 19:03

Tgt Ion: 74 Resp: 68004

Ion	Ratio	Lower	Upper
74	100		
45	103.2	52.3	156.8



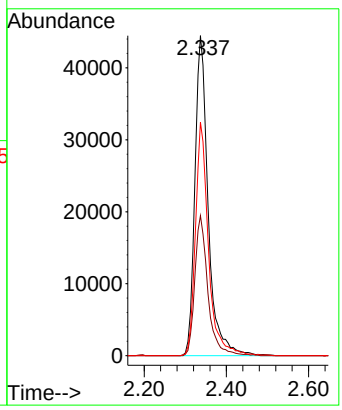


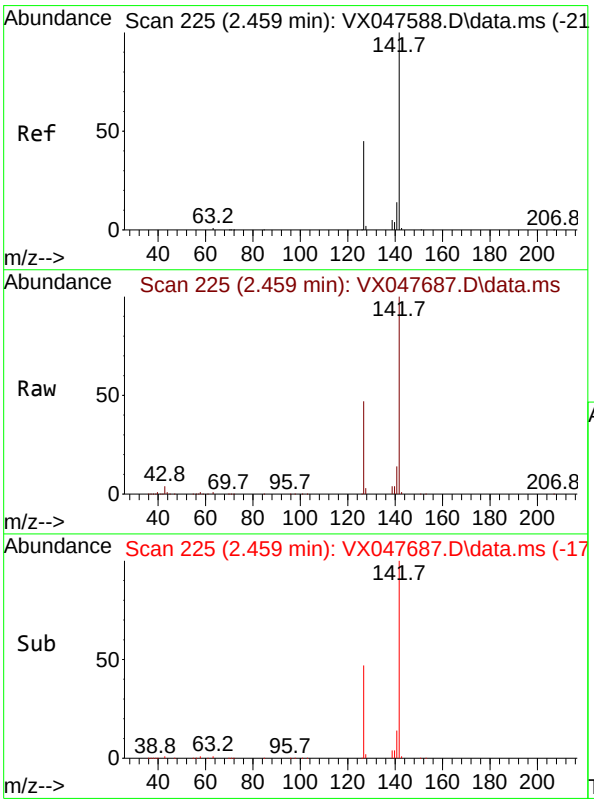
#9
1,1,2-Trichlorotrifluoroethane
Concen: 55.814 ug/l
RT: 2.337 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047687.D
Acq: 19 Sep 2025 19:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:101 Resp: 99678

Ion	Ratio	Lower	Upper
101	100		
85	43.2	35.5	53.3
151	71.7	59.4	89.0

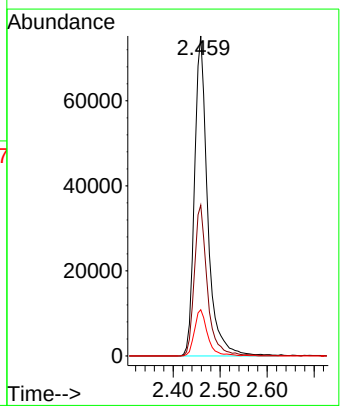


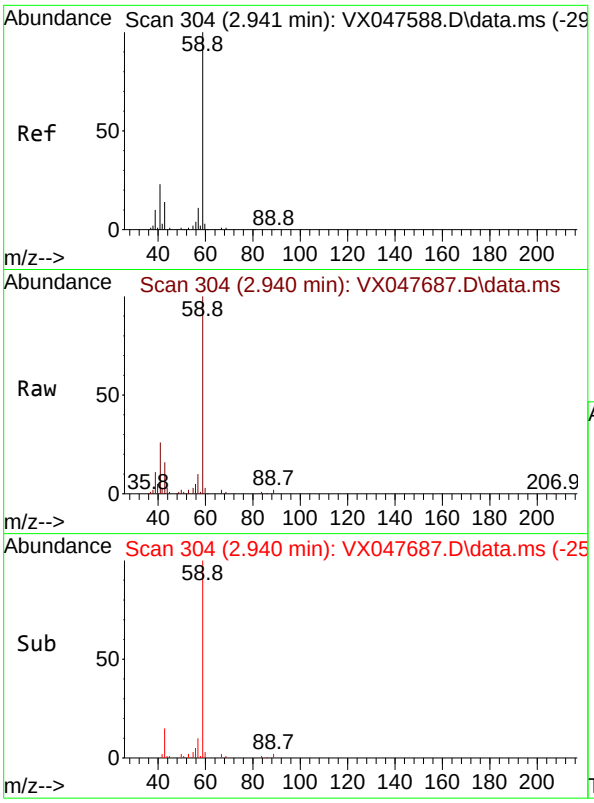


#10
Methyl Iodide
Concen: 52.731 ug/l
RT: 2.459 min Scan# 225
Delta R.T. -0.000 min
Lab File: VX047687.D
Acq: 19 Sep 2025 19:03

Tgt Ion:142 Resp: 146871

Ion	Ratio	Lower	Upper
142	100		
127	46.7	37.2	55.8
141	14.4	11.4	17.0



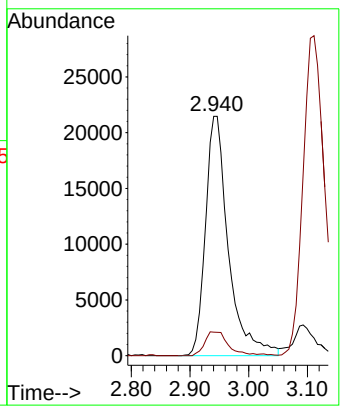


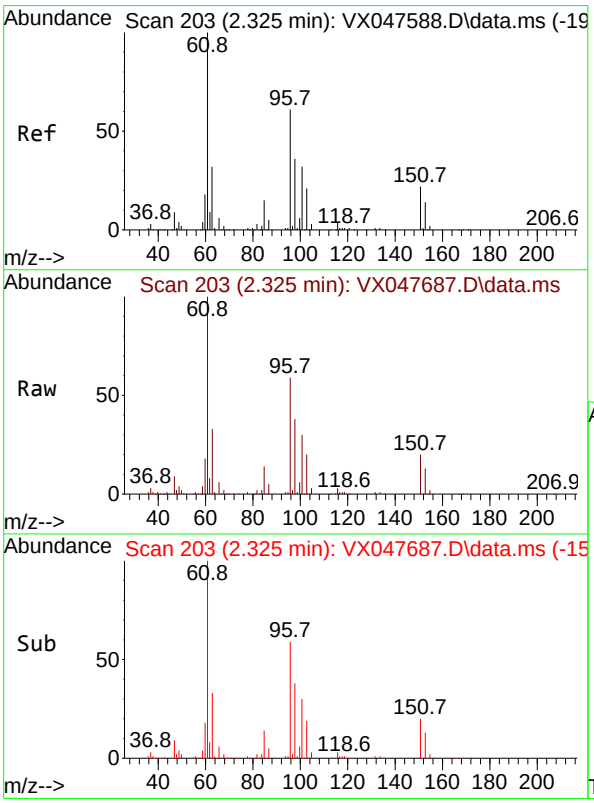
#11
Tert butyl alcohol
Concen: 212.661 ug/l
RT: 2.940 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047687.D
Acq: 19 Sep 2025 19:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 59 Resp: 58211

Ion	Ratio	Lower	Upper
59	100		
57	10.5	8.3	12.5

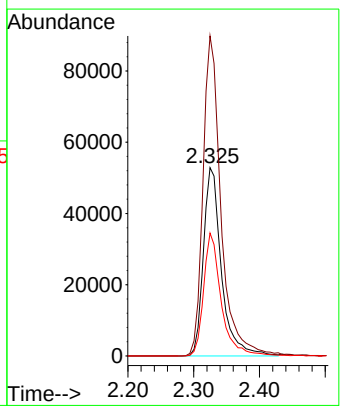


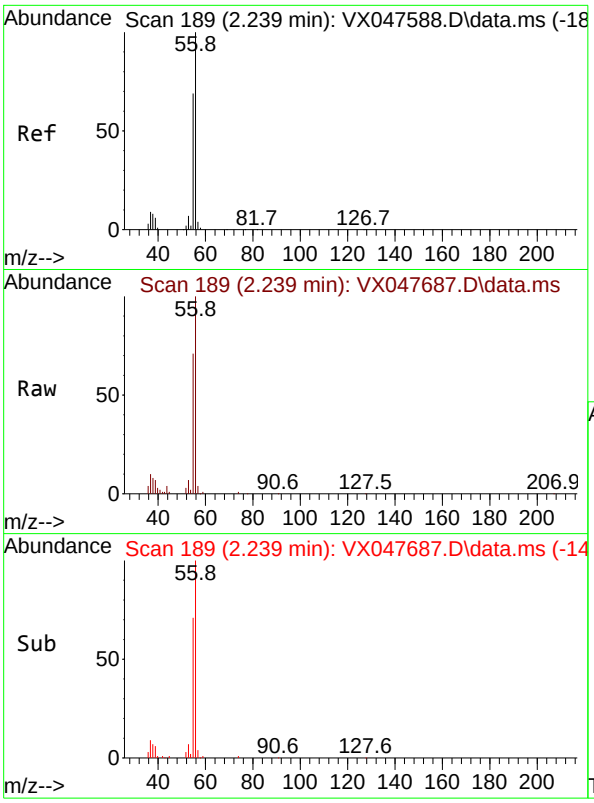


#12
1,1-Dichloroethene
Concen: 55.015 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX047687.D
Acq: 19 Sep 2025 19:03

Tgt Ion: 96 Resp: 100925

Ion	Ratio	Lower	Upper
96	100		
61	169.9	131.0	196.6
98	65.2	47.7	71.5



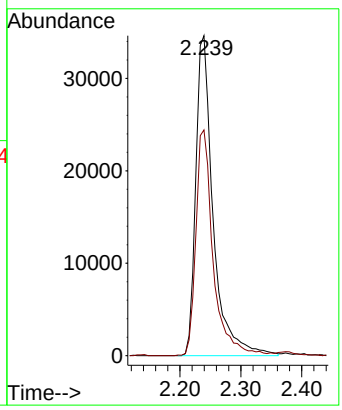


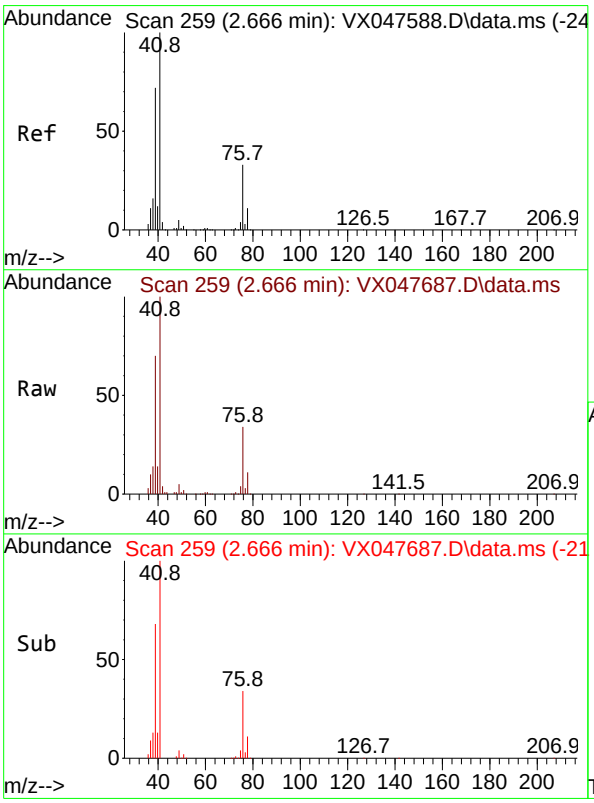
#13
Acrolein
Concen: 271.404 ug/l
RT: 2.239 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047687.D
Acq: 19 Sep 2025 19:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 56 Resp: 68460

Ion	Ratio	Lower	Upper
56	100		
55	70.2	57.2	85.8

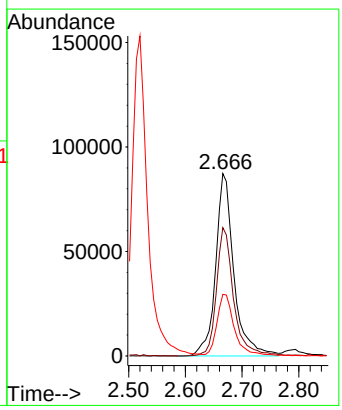


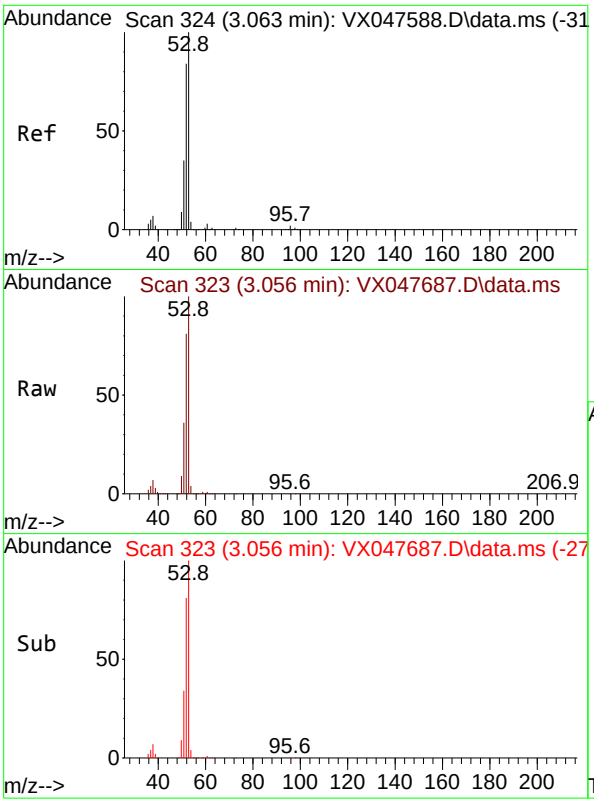


#14
Allyl chloride
Concen: 51.642 ug/l
RT: 2.666 min Scan# 259
Delta R.T. -0.000 min
Lab File: VX047687.D
Acq: 19 Sep 2025 19:03

Tgt Ion: 41 Resp: 195491

Ion	Ratio	Lower	Upper
41	100		
39	66.2	54.7	82.1
76	32.4	25.7	38.5



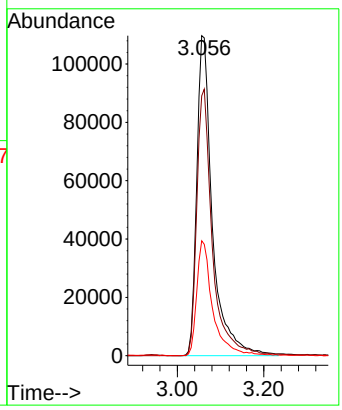


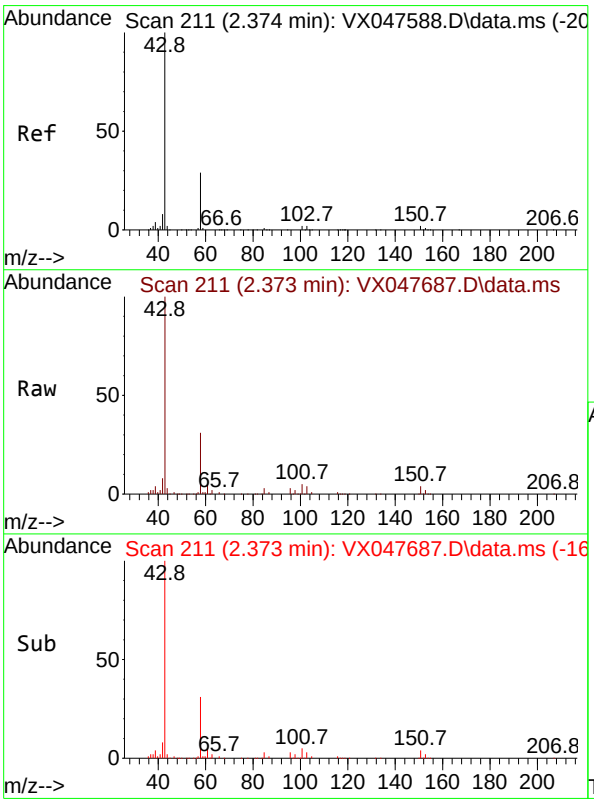
#15
Acrylonitrile
Concen: 272.421 ug/l
RT: 3.056 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047687.D
Acq: 19 Sep 2025 19:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 53 Resp: 276208

Ion	Ratio	Lower	Upper
53	100		
52	82.9	66.4	99.6
51	36.7	29.5	44.3

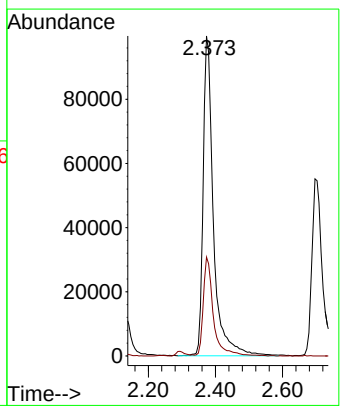


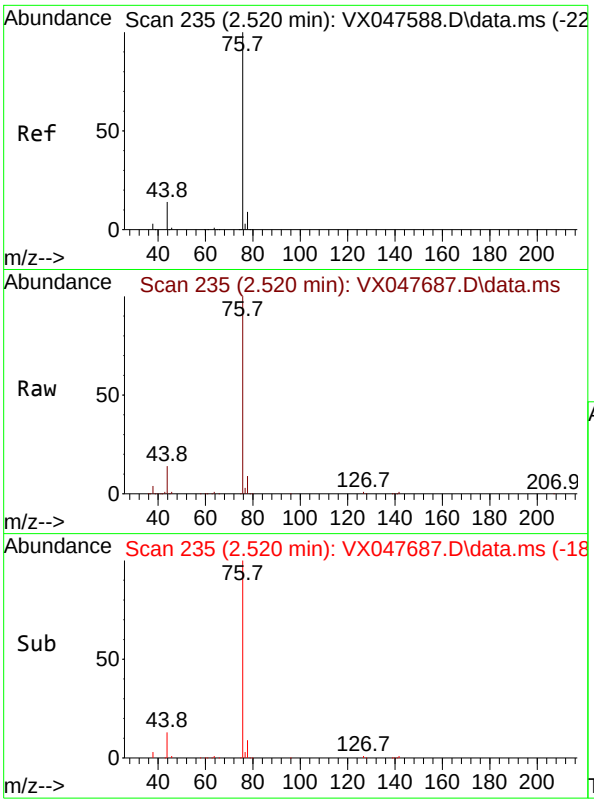


#16
Acetone
Concen: 198.313 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX047687.D
Acq: 19 Sep 2025 19:03

Tgt Ion: 43 Resp: 211924

Ion	Ratio	Lower	Upper
43	100		
58	31.2	23.4	35.0



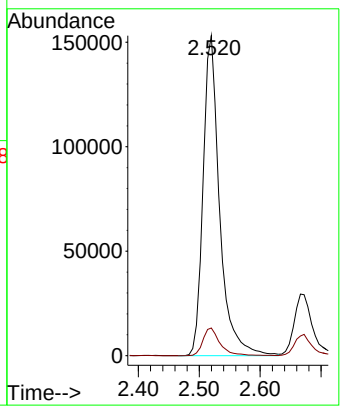


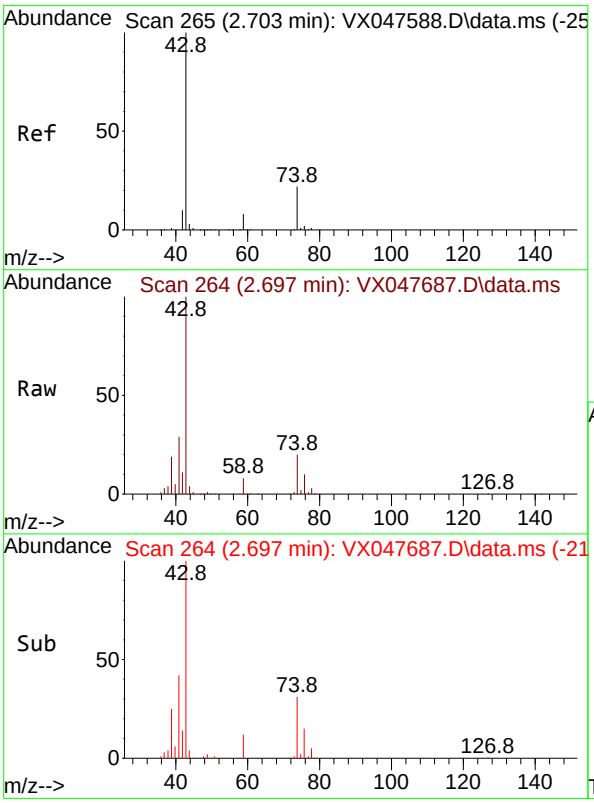
#17
Carbon Disulfide
Concen: 57.679 ug/l
RT: 2.520 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047687.D
Acq: 19 Sep 2025 19:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 76 Resp: 289670

Ion	Ratio	Lower	Upper
76	100		
78	8.6	6.8	10.2

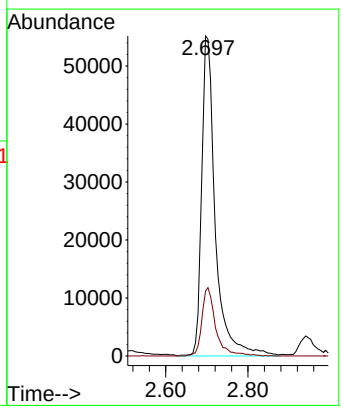


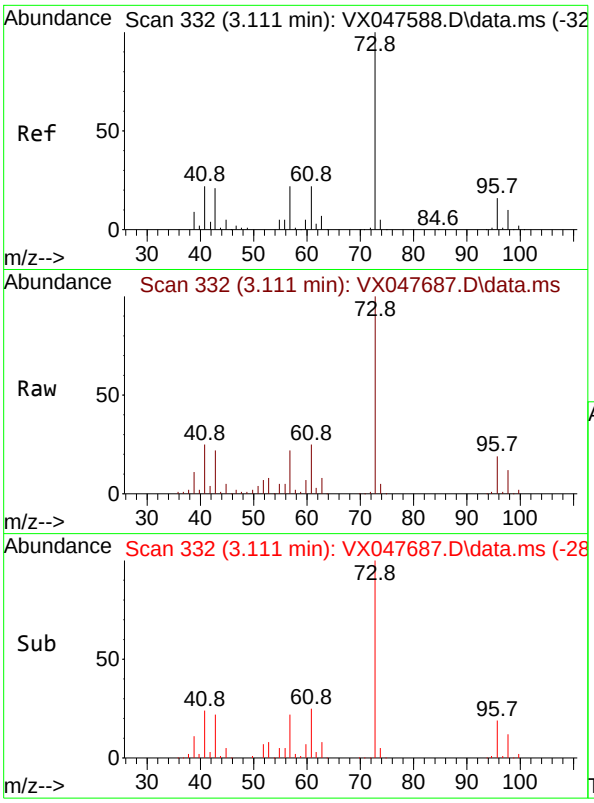


#18
Methyl Acetate
Concen: 53.432 ug/l
RT: 2.697 min Scan# 264
Delta R.T. -0.006 min
Lab File: VX047687.D
Acq: 19 Sep 2025 19:03

Tgt Ion: 43 Resp: 127073

Ion	Ratio	Lower	Upper
43	100		
74	21.7	17.4	26.2



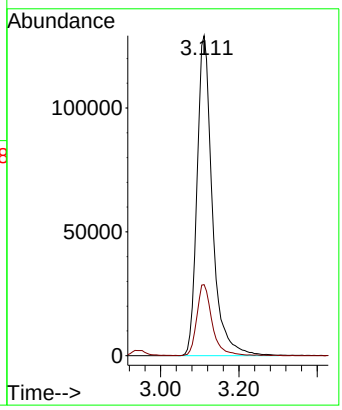


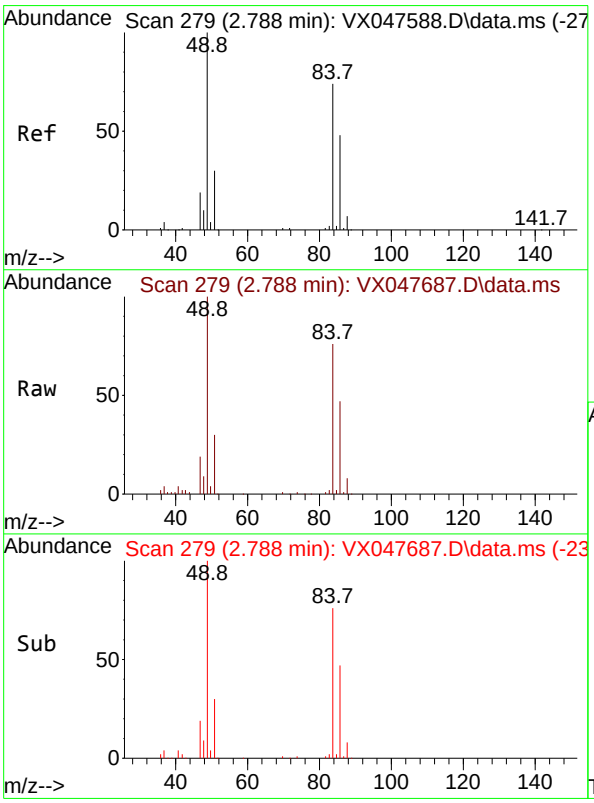
#19
Methyl tert-butyl Ether
Concen: 52.436 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047687.D
Acq: 19 Sep 2025 19:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 73 Resp: 351150

Ion	Ratio	Lower	Upper
73	100		
57	22.2	17.4	26.2

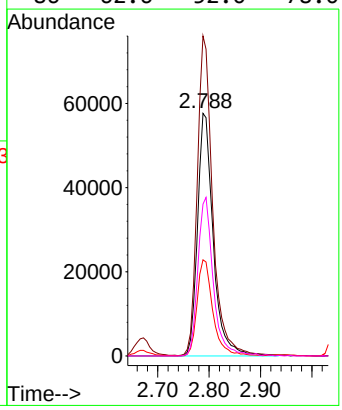


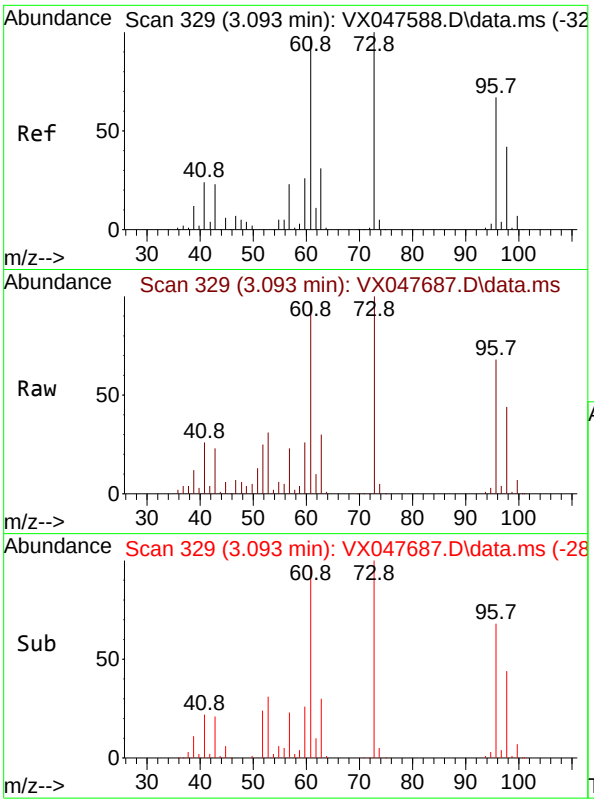


#20
Methylene Chloride
Concen: 54.250 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX047687.D
Acq: 19 Sep 2025 19:03

Tgt Ion: 84 Resp: 122715

Ion	Ratio	Lower	Upper
84	100		
49	131.7	108.6	162.8
51	40.1	32.6	48.8
86	62.6	52.0	78.0



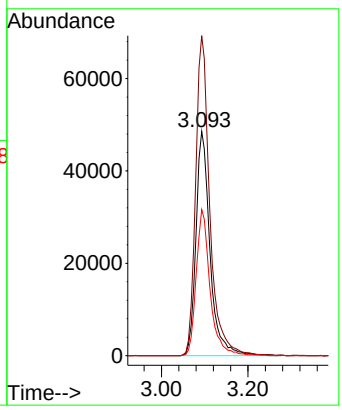


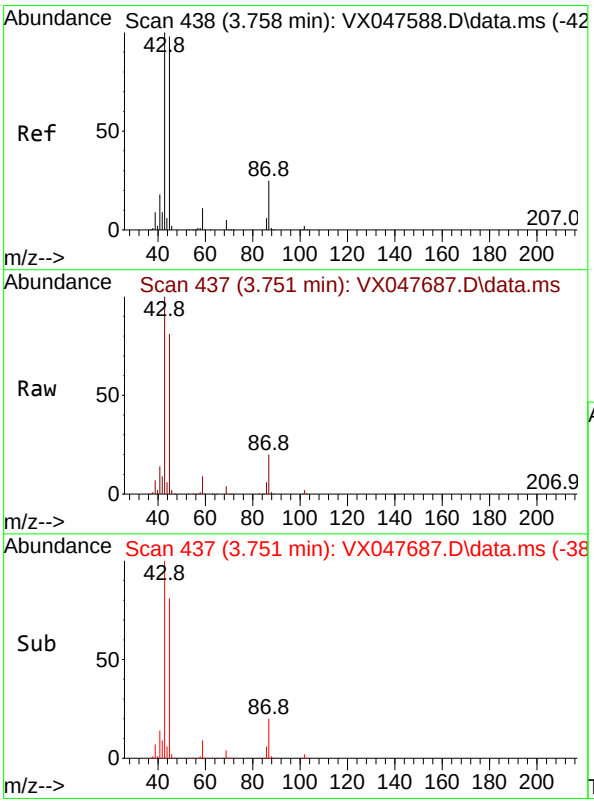
#21
trans-1,2-Dichloroethene
Concen: 55.385 ug/l
RT: 3.093 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047687.D
Acq: 19 Sep 2025 19:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 96 Resp: 109388

Ion	Ratio	Lower	Upper
96	100		
61	142.7	116.2	174.2
98	65.1	49.3	73.9

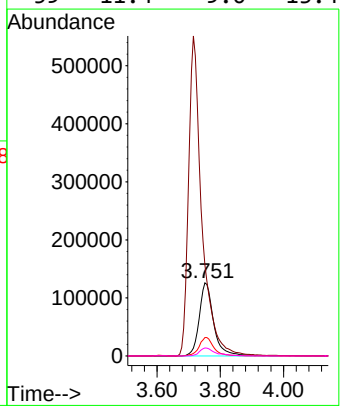


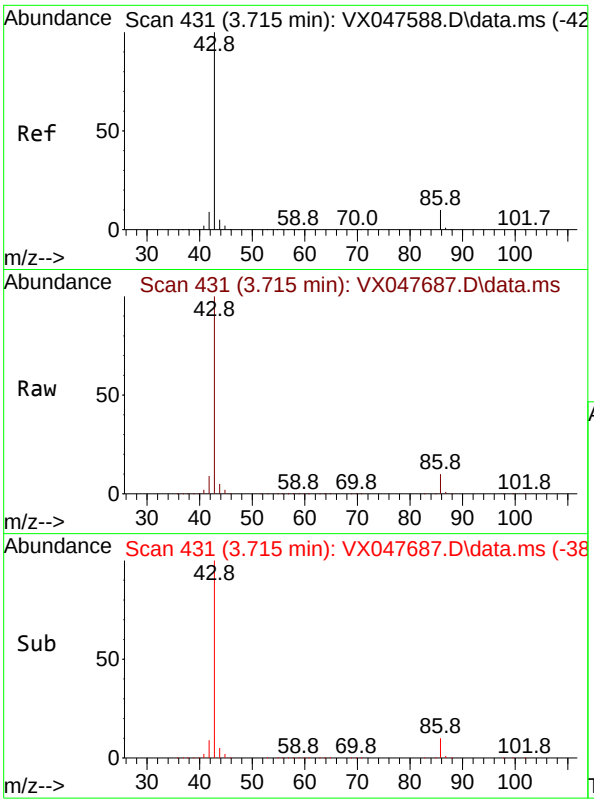


#22
Diisopropyl ether
Concen: 54.541 ug/l
RT: 3.751 min Scan# 437
Delta R.T. -0.006 min
Lab File: VX047687.D
Acq: 19 Sep 2025 19:03

Tgt Ion: 45 Resp: 400135

Ion	Ratio	Lower	Upper
45	100		
43	123.7	81.0	121.4#
87	25.1	20.3	30.5
59	11.4	9.0	13.4



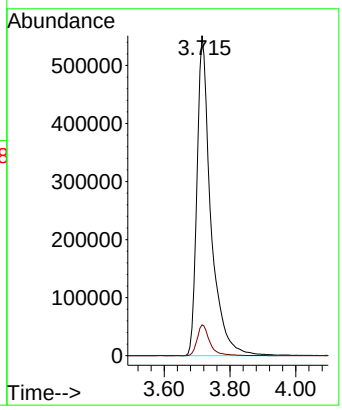


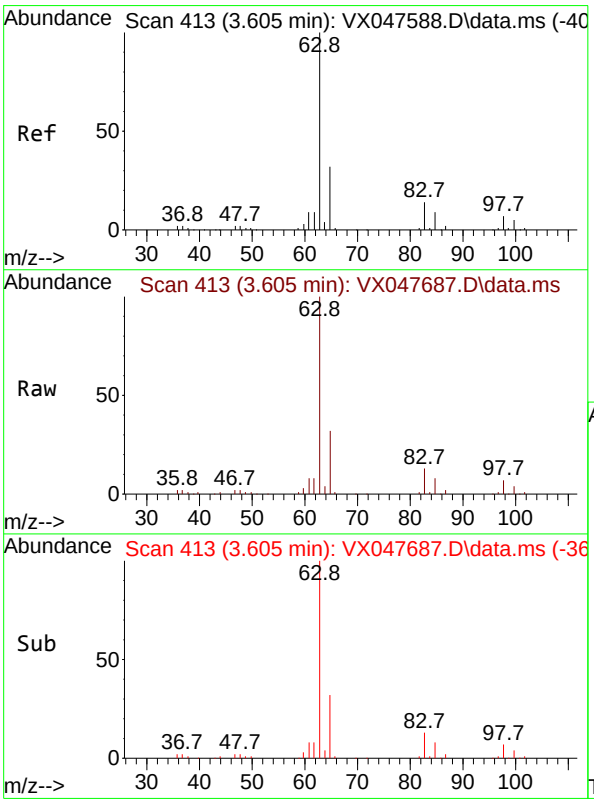
#23
Vinyl Acetate
Concen: 274.498 ug/l
RT: 3.715 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX047687.D
Acq: 19 Sep 2025 19:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 1611770

Ion	Ratio	Lower	Upper
43	100		
86	9.6	7.8	11.8

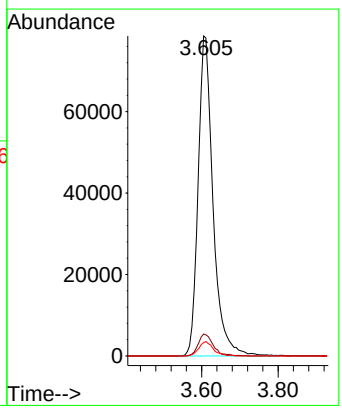


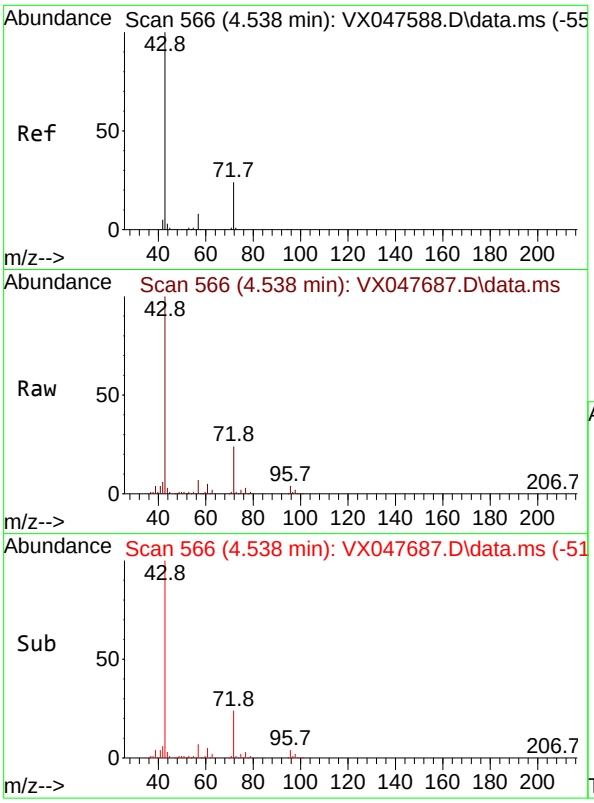


#24
1,1-Dichloroethane
Concen: 54.560 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX047687.D
Acq: 19 Sep 2025 19:03

Tgt Ion: 63 Resp: 212751

Ion	Ratio	Lower	Upper
63	100		
98	7.3	3.8	11.2
100	4.2	2.3	6.9



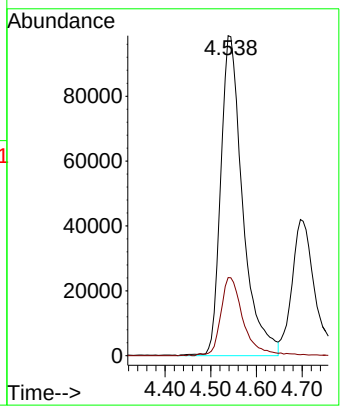


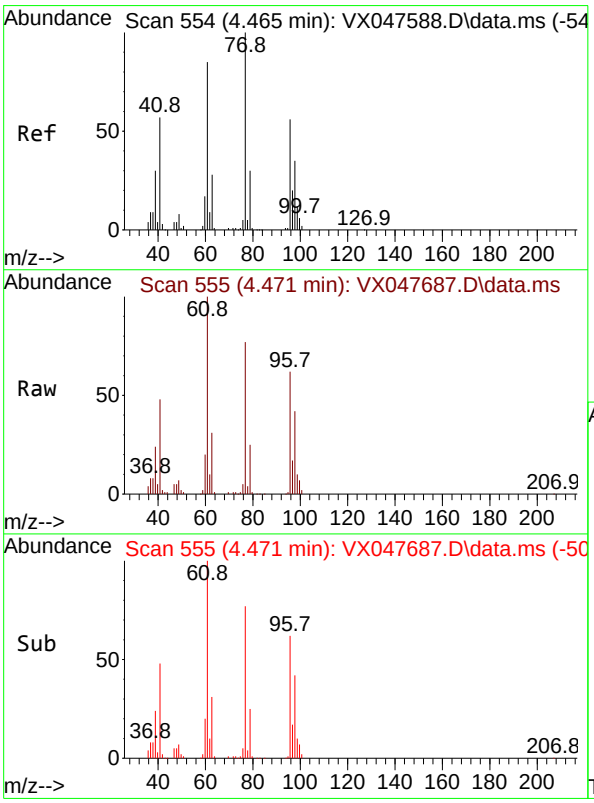
#25
2-Butanone
Concen: 247.197 ug/l
RT: 4.538 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX047687.D
Acq: 19 Sep 2025 19:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 329510

Ion	Ratio	Lower	Upper
43	100		
72	24.5	20.1	30.1

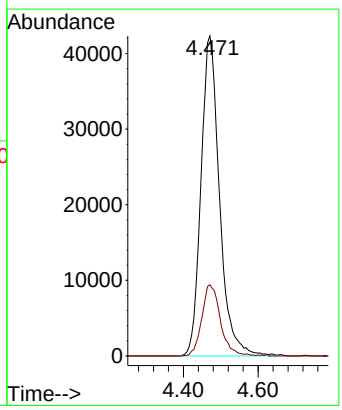


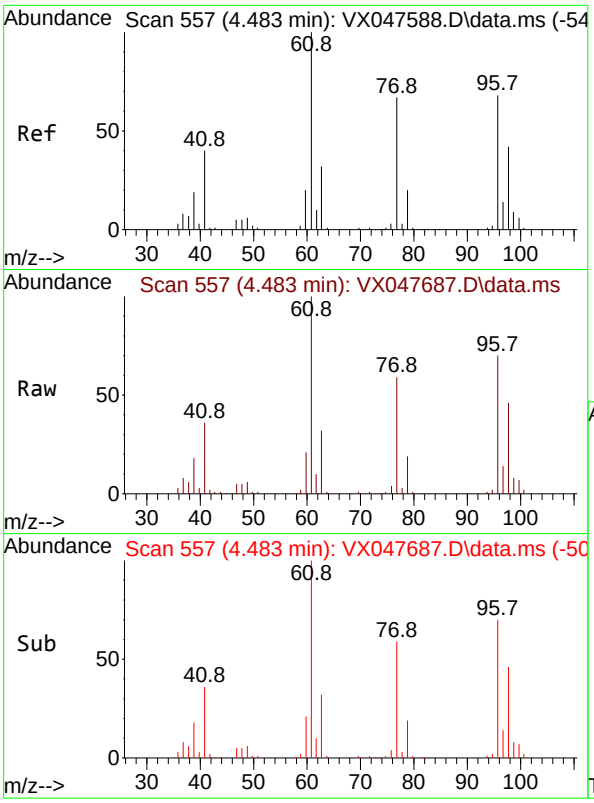


#26
2,2-Dichloropropane
Concen: 44.928 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX047687.D
Acq: 19 Sep 2025 19:03

Tgt Ion: 77 Resp: 145629

Ion	Ratio	Lower	Upper
77	100		
97	22.4	10.9	32.7



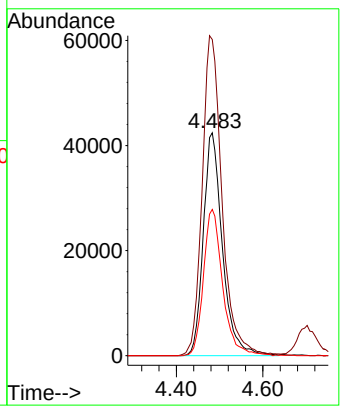


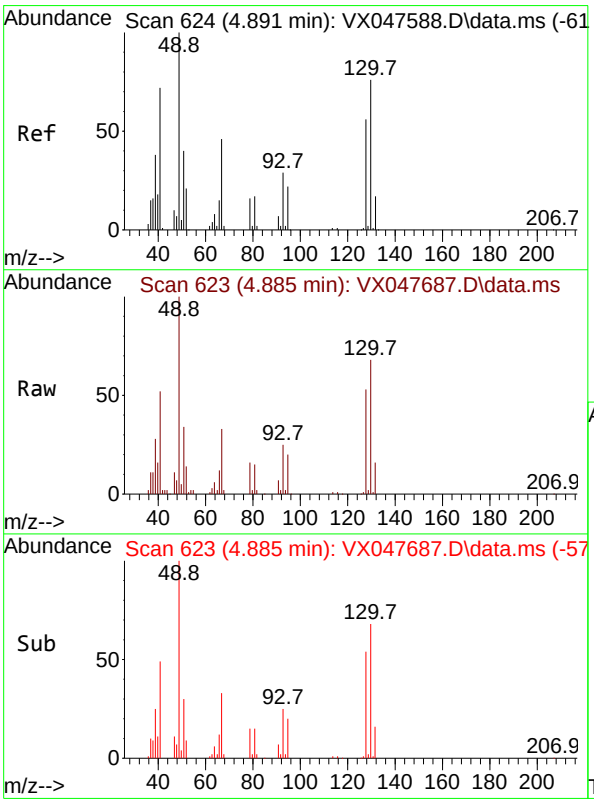
#27
cis-1,2-Dichloroethene
Concen: 53.677 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX047687.D
Acq: 19 Sep 2025 19:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 96 Resp: 129834

Ion	Ratio	Lower	Upper
96	100		
61	149.6	0.0	303.2
98	66.1	0.0	127.8

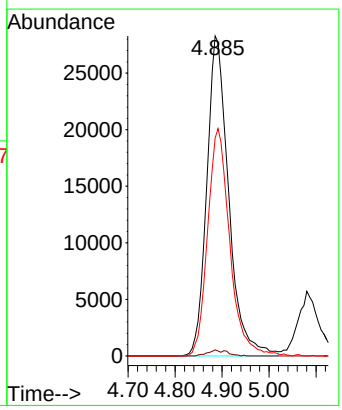


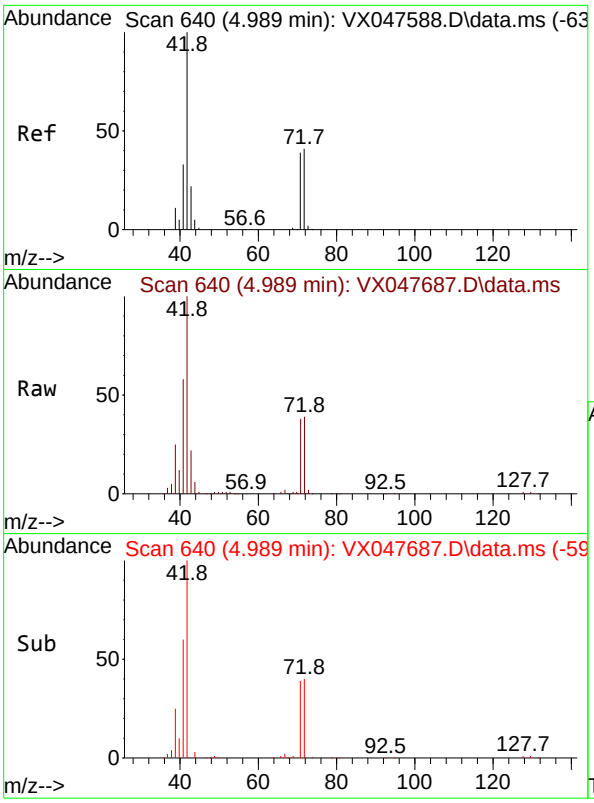


#28
Bromochloromethane
Concen: 53.668 ug/l
RT: 4.885 min Scan# 623
Delta R.T. -0.006 min
Lab File: VX047687.D
Acq: 19 Sep 2025 19:03

Tgt Ion: 49 Resp: 91361

Ion	Ratio	Lower	Upper
49	100		
129	1.1	0.0	3.2
130	71.8	57.8	86.8



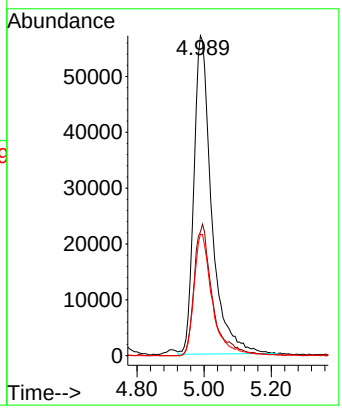


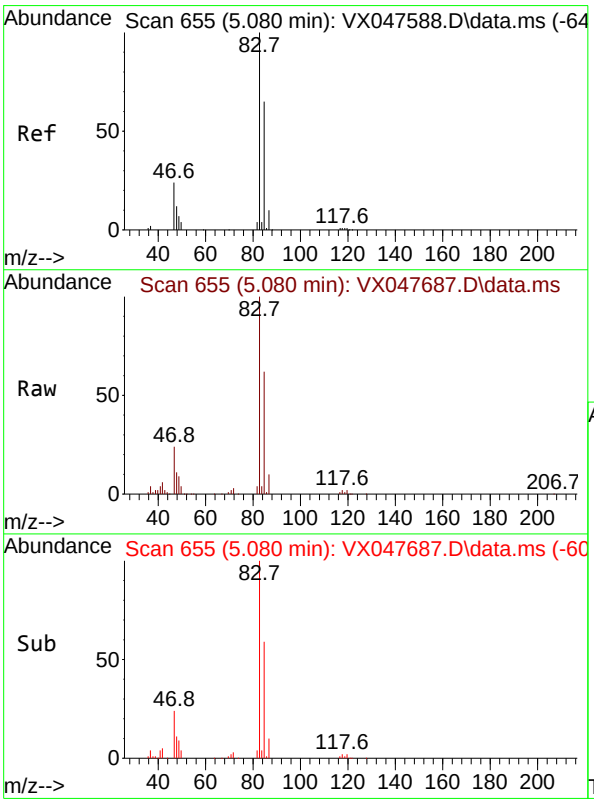
#29
Tetrahydrofuran
Concen: 260.441 ug/l
RT: 4.989 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX047687.D
Acq: 19 Sep 2025 19:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 42 Resp: 208846

Ion	Ratio	Lower	Upper
42	100		
72	42.8	34.2	51.2
71	39.4	31.9	47.9

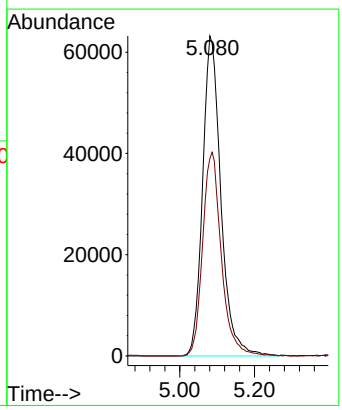


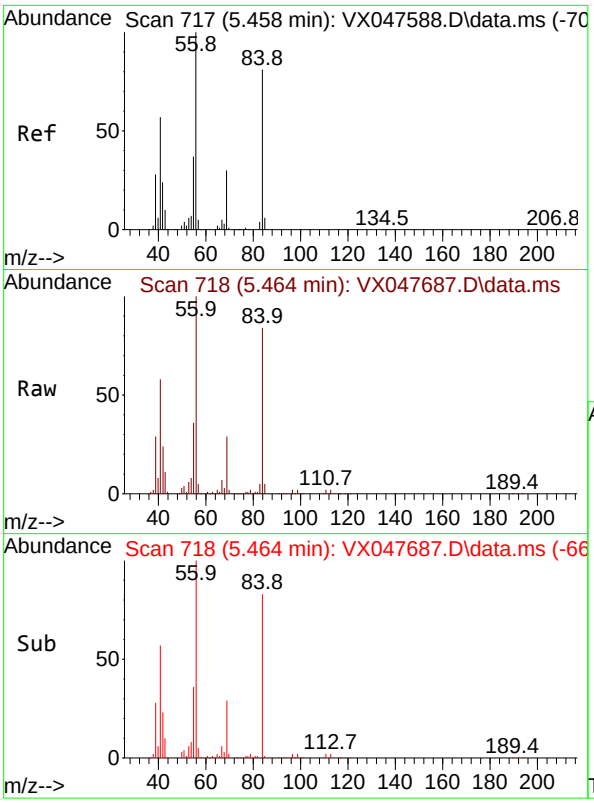


#30
Chloroform
Concen: 54.443 ug/l
RT: 5.080 min Scan# 655
Delta R.T. -0.000 min
Lab File: VX047687.D
Acq: 19 Sep 2025 19:03

Tgt Ion: 83 Resp: 214531

Ion	Ratio	Lower	Upper
83	100		
85	61.7	51.8	77.6



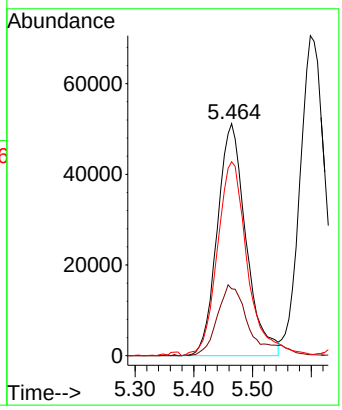


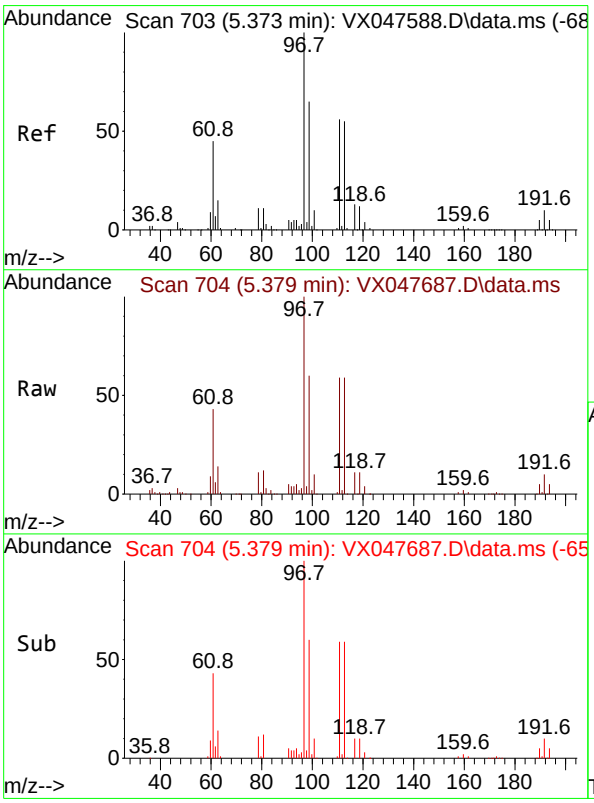
#31
Cyclohexane
Concen: 53.387 ug/l
RT: 5.464 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047687.D
Acq: 19 Sep 2025 19:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 56 Resp: 173386

Ion	Ratio	Lower	Upper
56	100		
69	28.3	23.8	35.8
84	82.0	64.6	97.0

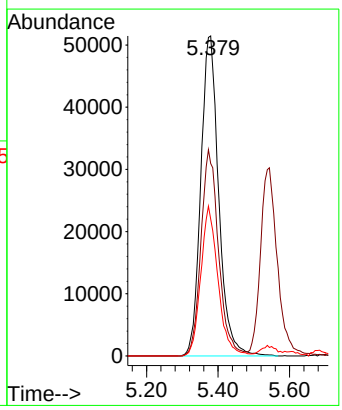


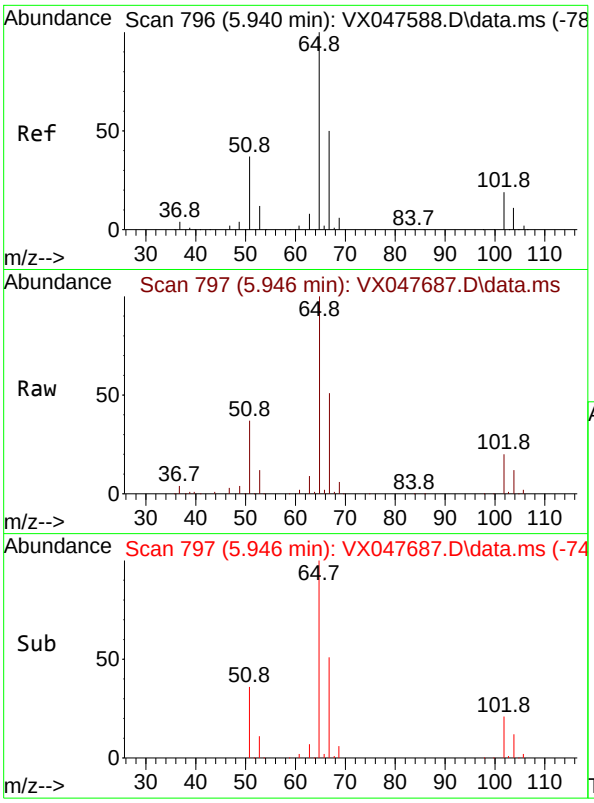


#32
1,1,1-Trichloroethane
Concen: 53.474 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX047687.D
Acq: 19 Sep 2025 19:03

Tgt Ion: 97 Resp: 178728

Ion	Ratio	Lower	Upper
97	100		
99	63.5	50.6	76.0
61	45.0	35.8	53.8



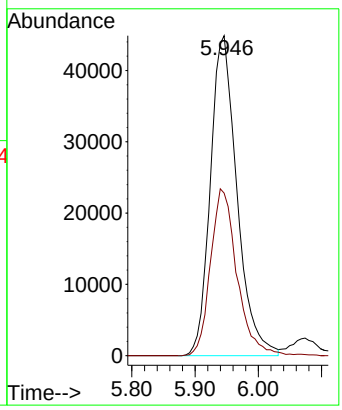


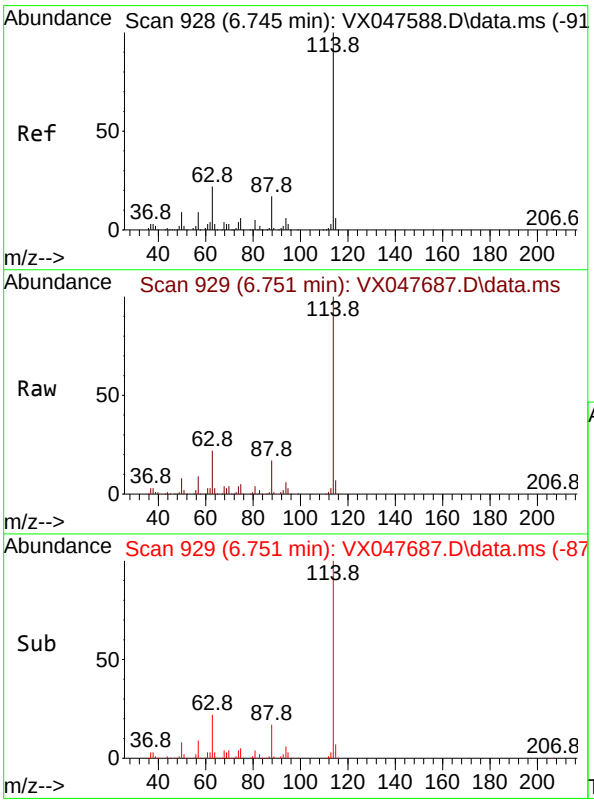
#33
1,2-Dichloroethane-d4
Concen: 53.282 ug/l
RT: 5.946 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047687.D
Acq: 19 Sep 2025 19:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 65 Resp: 130953

Ion	Ratio	Lower	Upper
65	100		
67	52.1	0.0	103.0

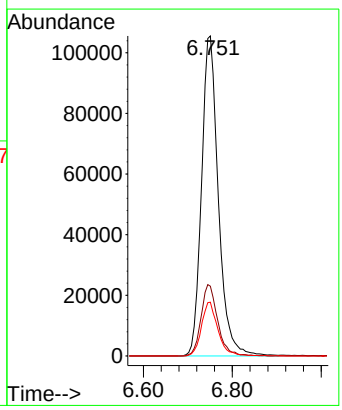


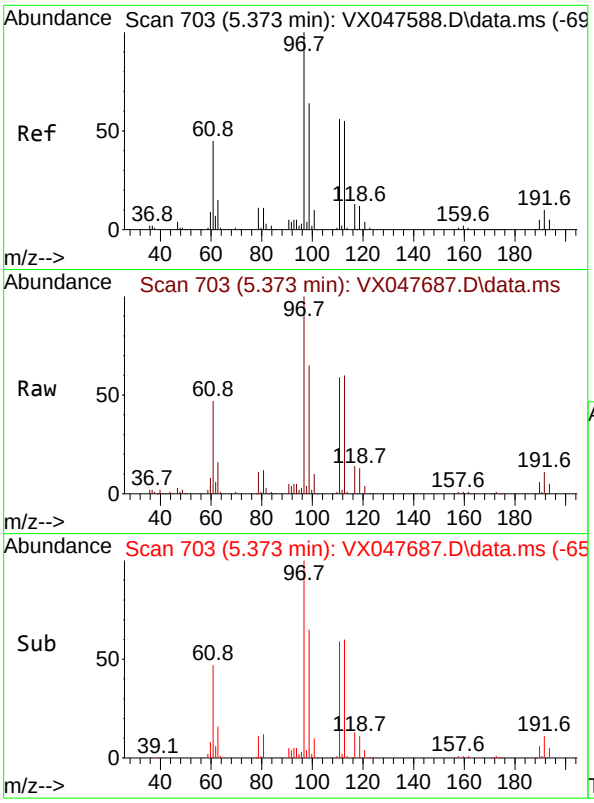


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 929
Delta R.T. 0.006 min
Lab File: VX047687.D
Acq: 19 Sep 2025 19:03

Tgt Ion:114 Resp: 278359

Ion	Ratio	Lower	Upper
114	100		
63	21.8	0.0	44.0
88	16.8	0.0	34.2



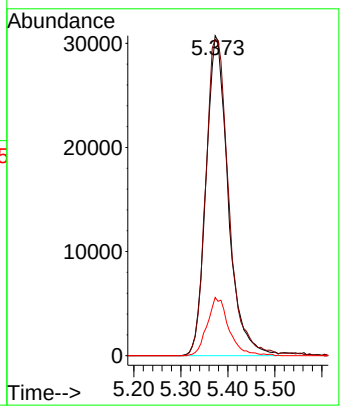


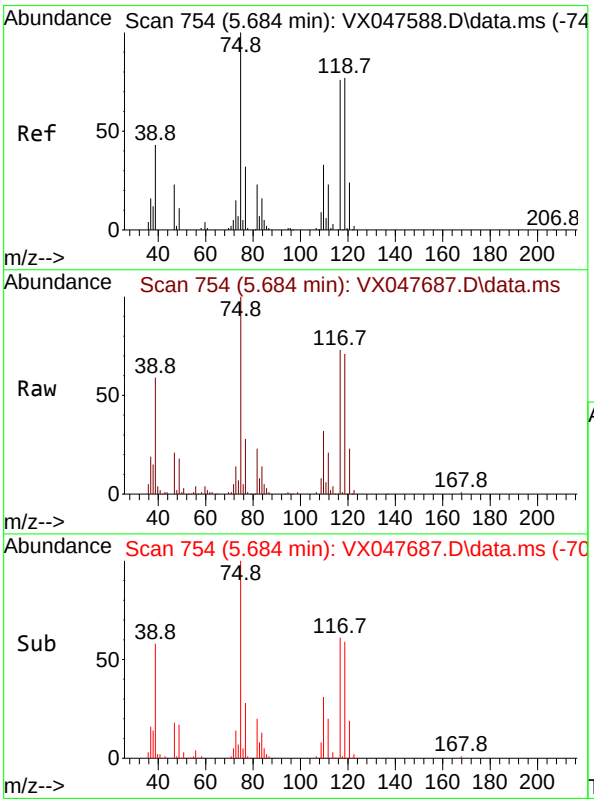
#35
Dibromofluoromethane
Concen: 53.721 ug/l
RT: 5.373 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047687.D
Acq: 19 Sep 2025 19:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:113 Resp: 100288

Ion	Ratio	Lower	Upper
113	100		
111	102.7	80.9	121.3
192	17.9	14.2	21.4

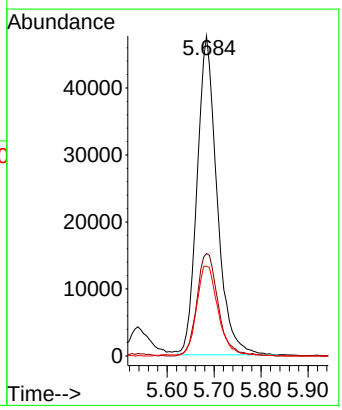


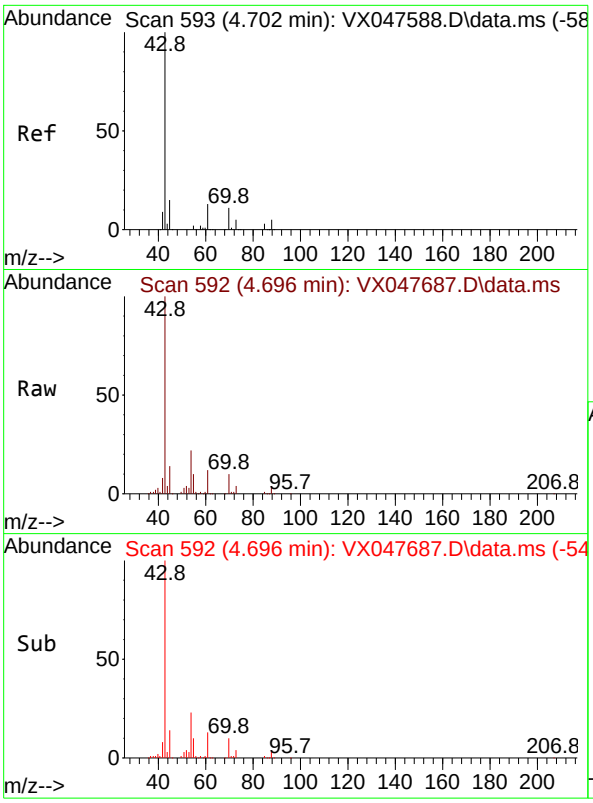


#36
1,1-Dichloropropene
Concen: 51.362 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.000 min
Lab File: VX047687.D
Acq: 19 Sep 2025 19:03

Tgt Ion: 75 Resp: 140108

Ion	Ratio	Lower	Upper
75	100		
110	34.5	16.7	50.1
77	30.8	24.3	36.5



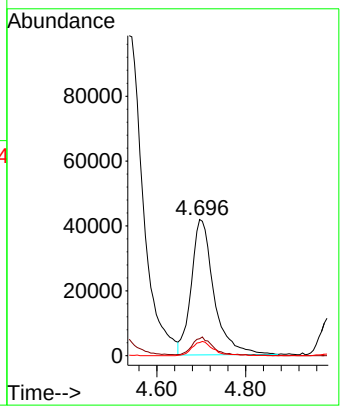


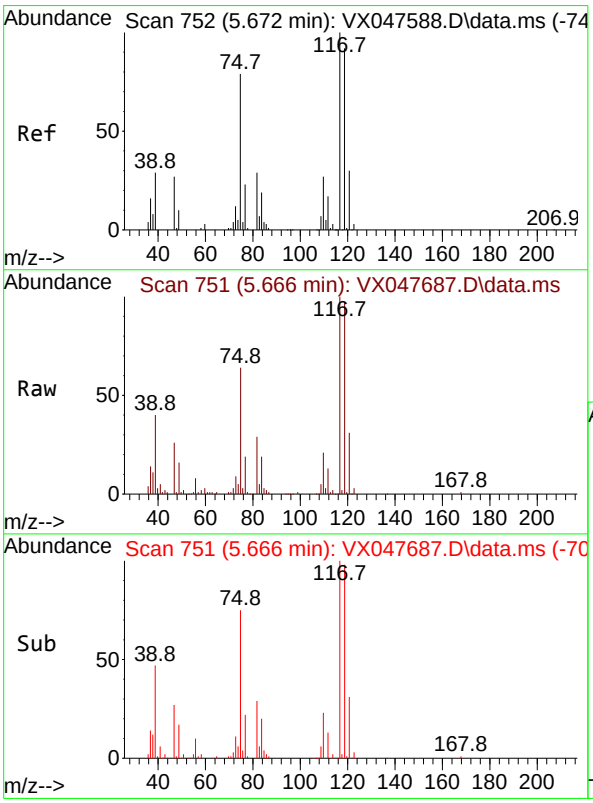
#37
Ethyl Acetate
Concen: 50.499 ug/l
RT: 4.696 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX047687.D
Acq: 19 Sep 2025 19:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 147497

Ion	Ratio	Lower	Upper
43	100		
61	12.0	9.8	14.8
70	9.9	7.9	11.9

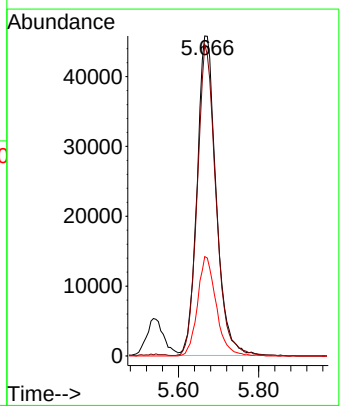


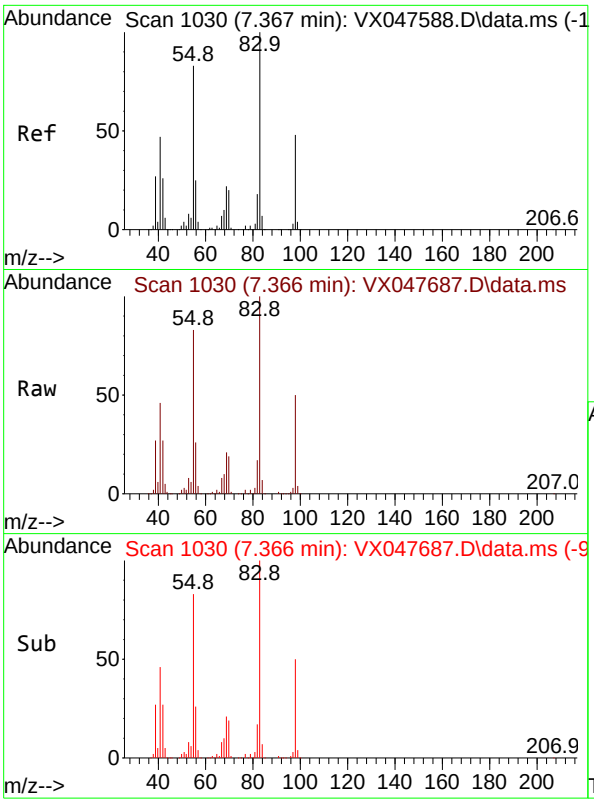


#38
Carbon Tetrachloride
Concen: 50.831 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX047687.D
Acq: 19 Sep 2025 19:03

Tgt Ion:117 Resp: 150656

Ion	Ratio	Lower	Upper
117	100		
119	97.5	73.4	110.2
121	31.1	23.8	35.6



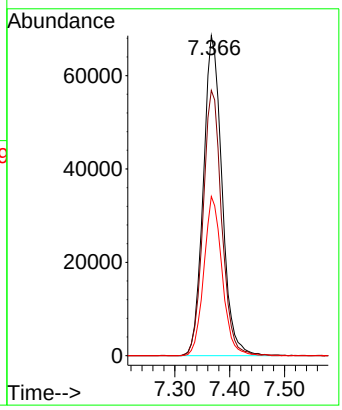


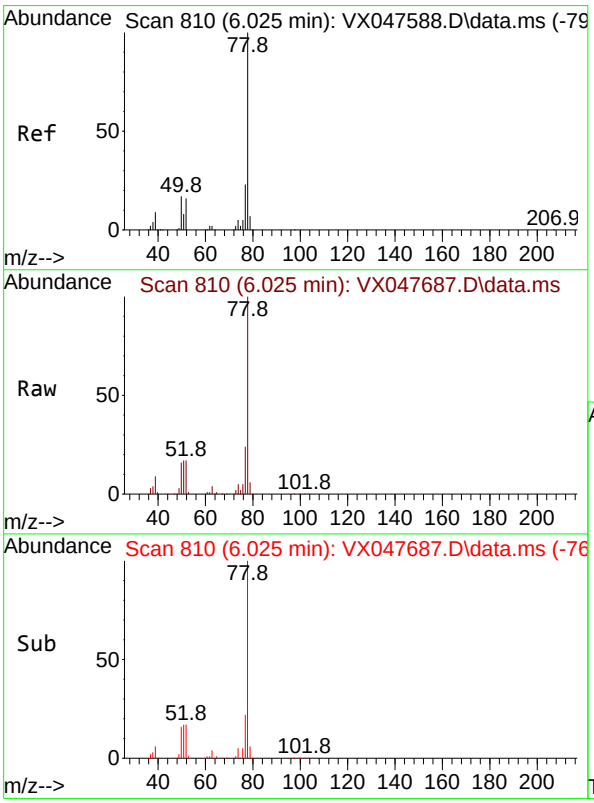
#39
Methylcyclohexane
Concen: 52.363 ug/l
RT: 7.366 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047687.D
Acq: 19 Sep 2025 19:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 162143

Ion	Ratio	Lower	Upper
83	100		
55	82.9	66.4	99.6
98	49.7	38.1	57.1

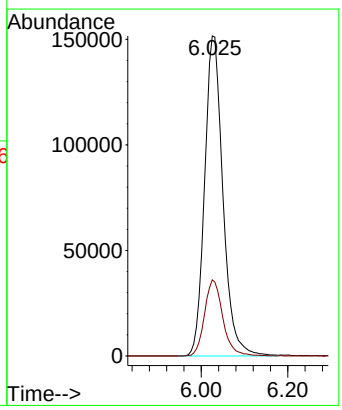


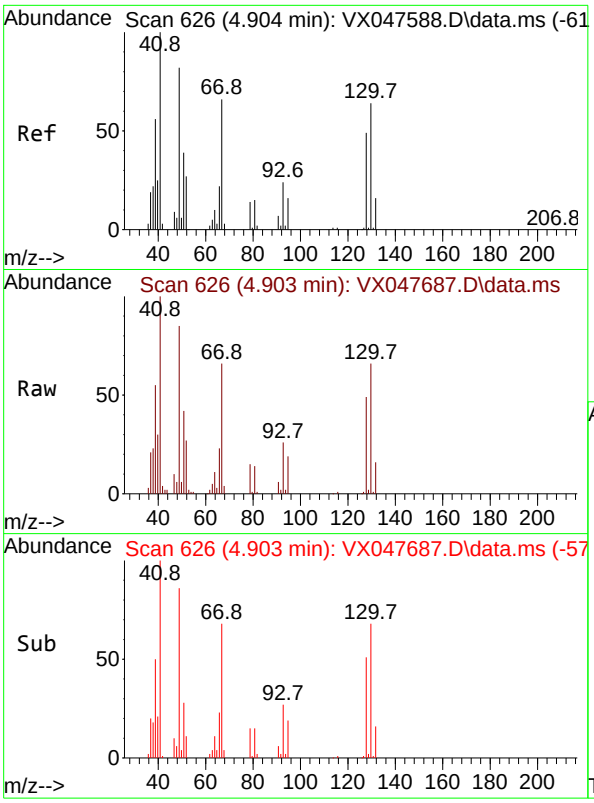


#40
Benzene
Concen: 53.802 ug/l
RT: 6.025 min Scan# 810
Delta R.T. -0.000 min
Lab File: VX047687.D
Acq: 19 Sep 2025 19:03

Tgt Ion: 78 Resp: 445760

Ion	Ratio	Lower	Upper
78	100		
77	23.8	18.8	28.2



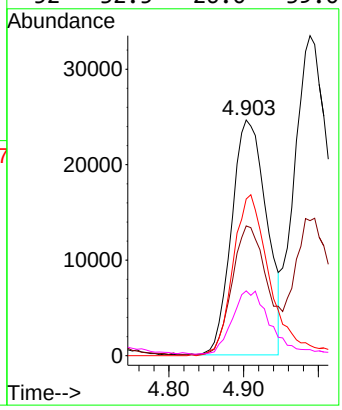


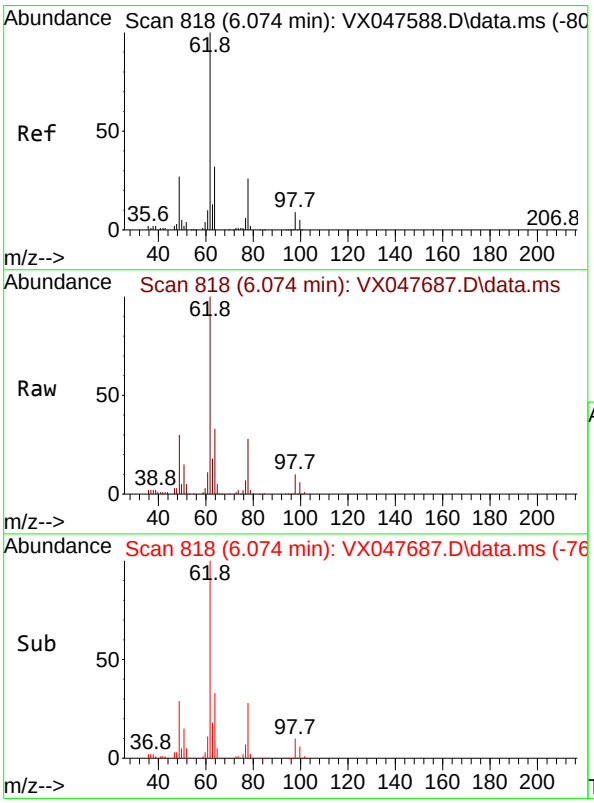
#41
Methacrylonitrile
Concen: 53.000 ug/l
RT: 4.903 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX047687.D
Acq: 19 Sep 2025 19:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 41 Resp: 79917

Ion	Ratio	Lower	Upper
41	100		
39	55.8	43.3	64.9
67	73.8	58.6	87.8
52	32.5	26.0	39.0

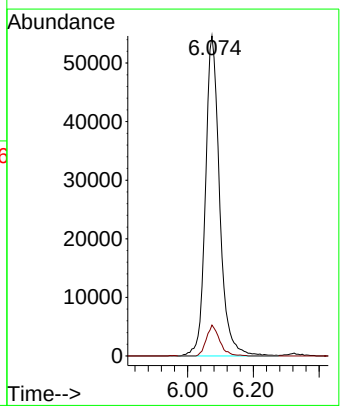


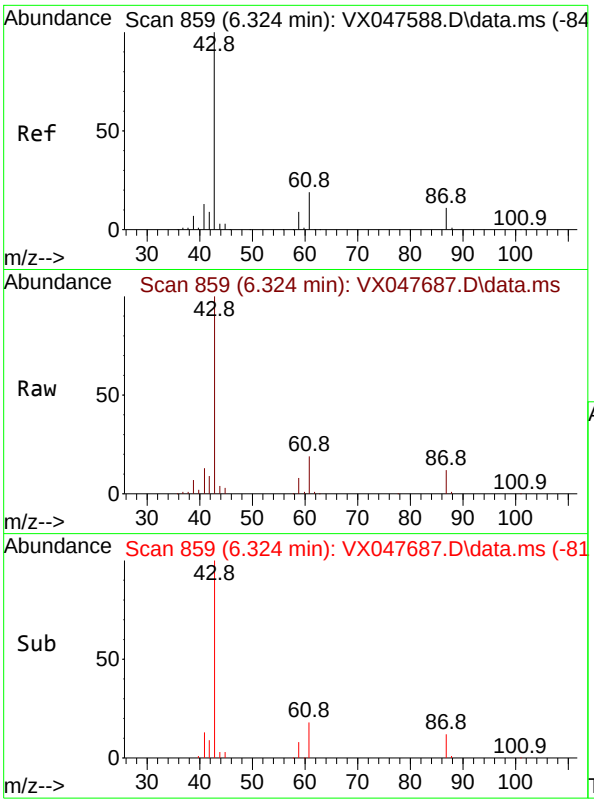


#42
1,2-Dichloroethane
Concen: 51.951 ug/l
RT: 6.074 min Scan# 818
Delta R.T. -0.000 min
Lab File: VX047687.D
Acq: 19 Sep 2025 19:03

Tgt Ion: 62 Resp: 163773

Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	17.0



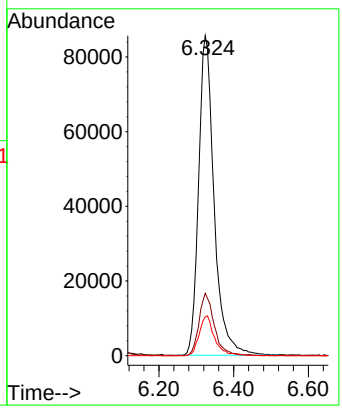


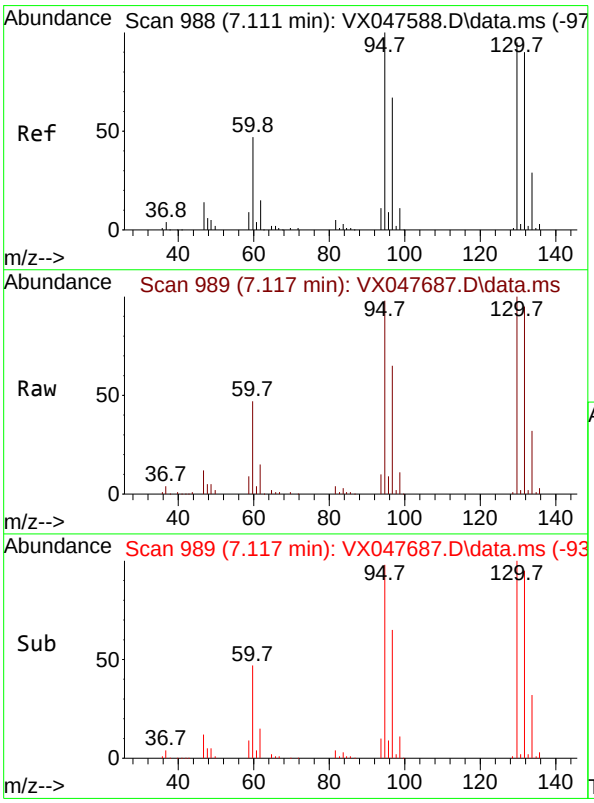
#43
Isopropyl Acetate
Concen: 51.410 ug/l
RT: 6.324 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX047687.D
Acq: 19 Sep 2025 19:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 246265

Ion	Ratio	Lower	Upper
43	100		
61	19.2	15.2	22.8
87	12.3	9.6	14.4

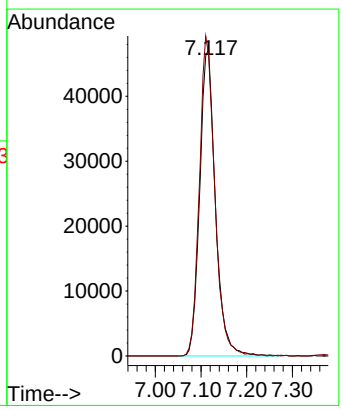


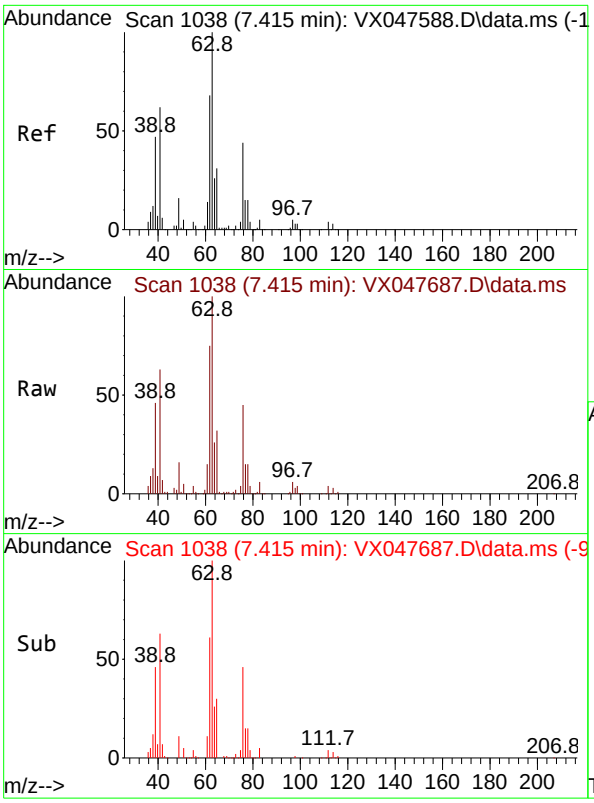


#44
Trichloroethene
Concen: 56.204 ug/l
RT: 7.117 min Scan# 989
Delta R.T. 0.006 min
Lab File: VX047687.D
Acq: 19 Sep 2025 19:03

Tgt Ion:130 Resp: 112580

Ion	Ratio	Lower	Upper
130	100		
95	98.1	0.0	210.8



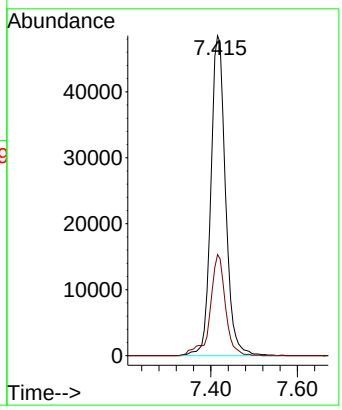


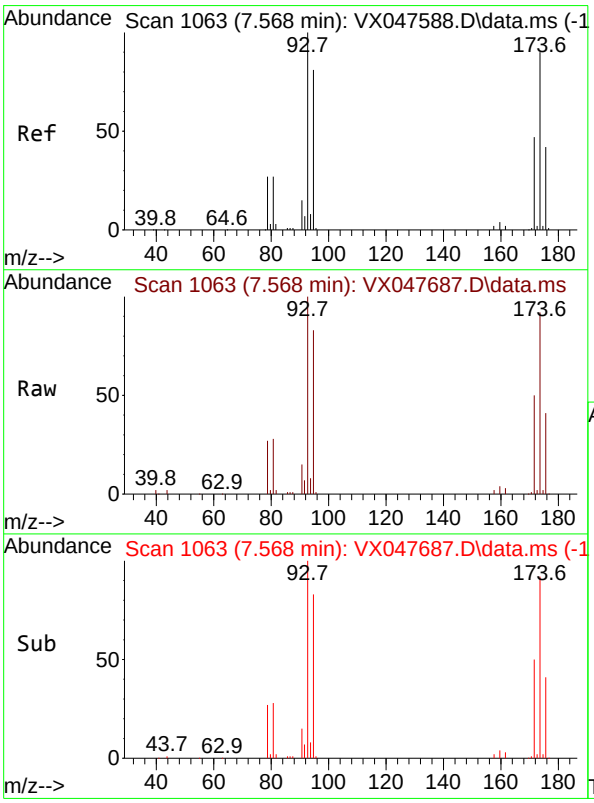
#45
1,2-Dichloropropane
Concen: 53.755 ug/l
RT: 7.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047687.D
Acq: 19 Sep 2025 19:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 63 Resp: 114044

Ion	Ratio	Lower	Upper
63	100		
65	31.6	24.7	37.1

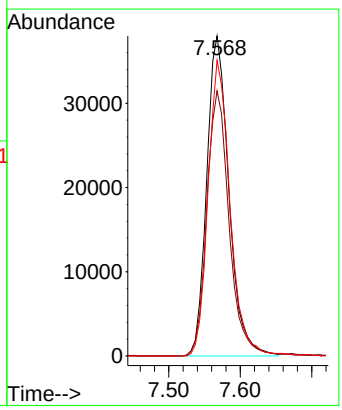


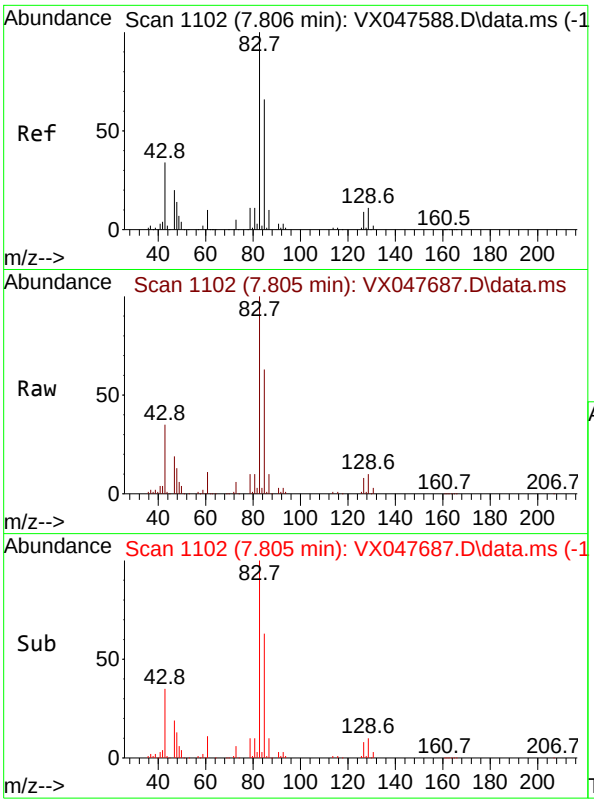


#46
Dibromomethane
Concen: 53.014 ug/l
RT: 7.568 min Scan# 1063
Delta R.T. -0.000 min
Lab File: VX047687.D
Acq: 19 Sep 2025 19:03

Tgt Ion: 93 Resp: 81845

Ion	Ratio	Lower	Upper
93	100		
95	83.7	65.0	97.6
174	91.9	71.6	107.4



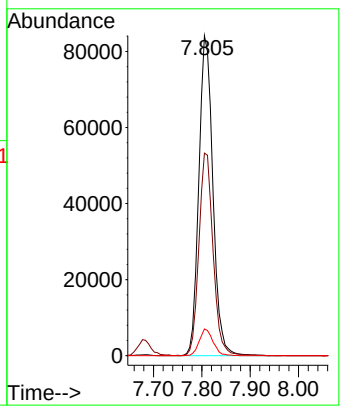


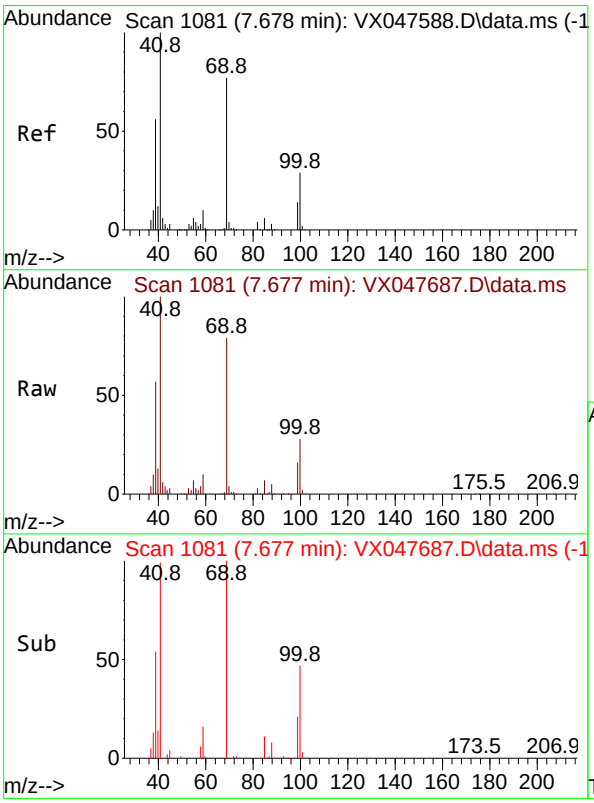
#47
Bromodichloromethane
Concen: 53.260 ug/l
RT: 7.805 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX047687.D
Acq: 19 Sep 2025 19:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 169676

Ion	Ratio	Lower	Upper
83	100		
85	63.3	52.5	78.7
127	8.4	6.9	10.3

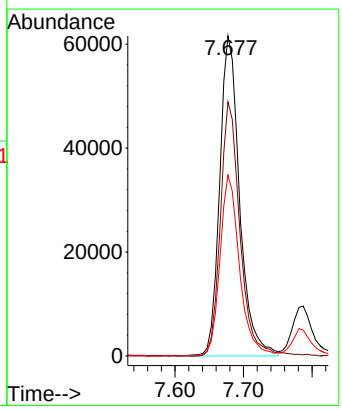


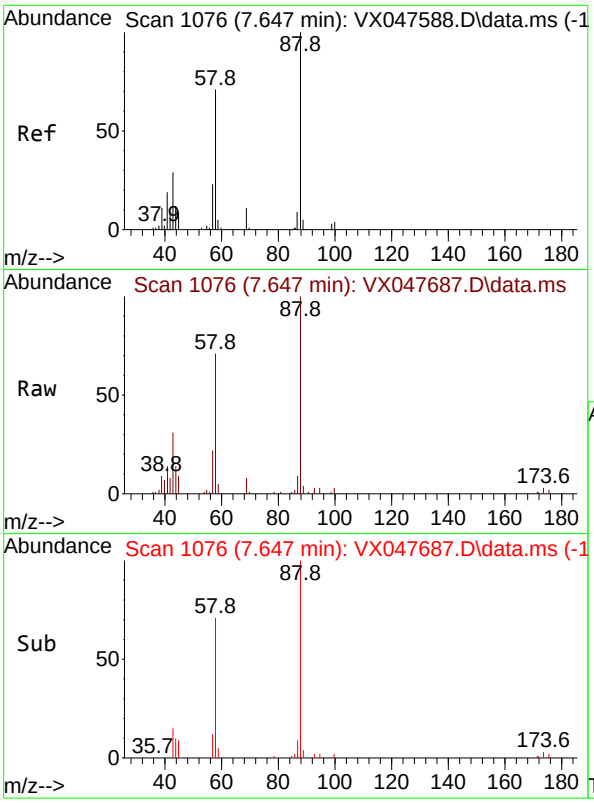


#48
Methyl methacrylate
Concen: 52.004 ug/l
RT: 7.677 min Scan# 1081
Delta R.T. -0.000 min
Lab File: VX047687.D
Acq: 19 Sep 2025 19:03

Tgt Ion: 41 Resp: 124085

Ion	Ratio	Lower	Upper
41	100		
69	78.2	61.4	92.2
39	55.3	45.8	68.6



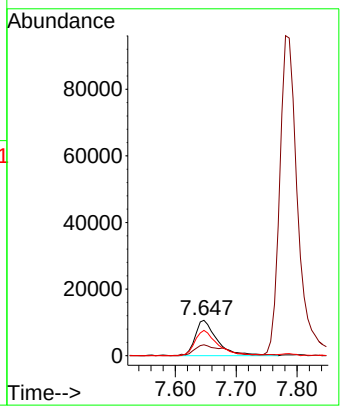


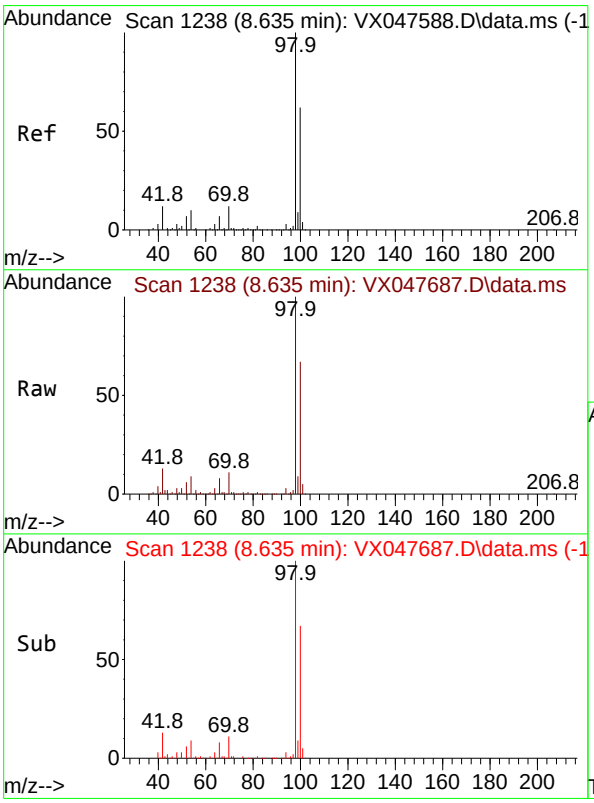
#49
1,4-Dioxane
Concen: 1102.850 ug/l
RT: 7.647 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047687.D
Acq: 19 Sep 2025 19:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 88 Resp: 26594

Ion	Ratio	Lower	Upper
88	100		
43	42.3	30.2	45.2
58	74.2	59.5	89.3

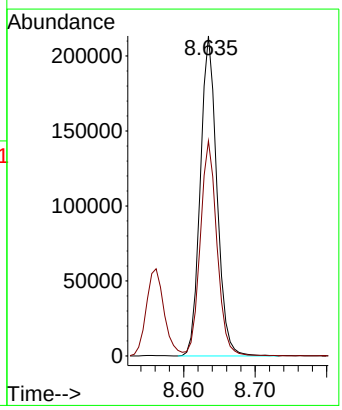


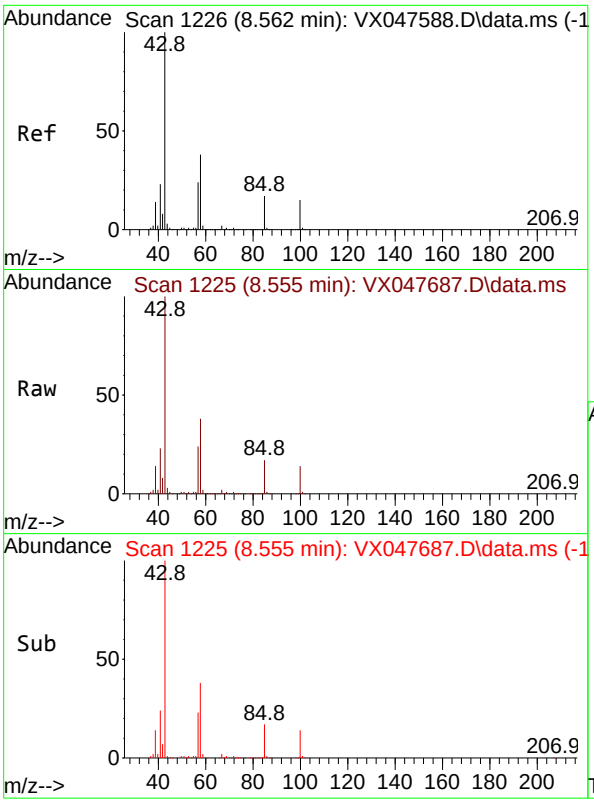


#50
Toluene-d8
Concen: 53.308 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX047687.D
Acq: 19 Sep 2025 19:03

Tgt Ion: 98 Resp: 344346

Ion	Ratio	Lower	Upper
98	100		
100	67.4	53.0	79.4



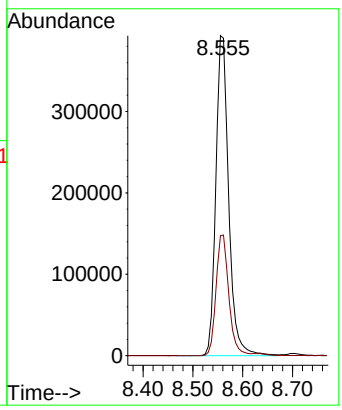


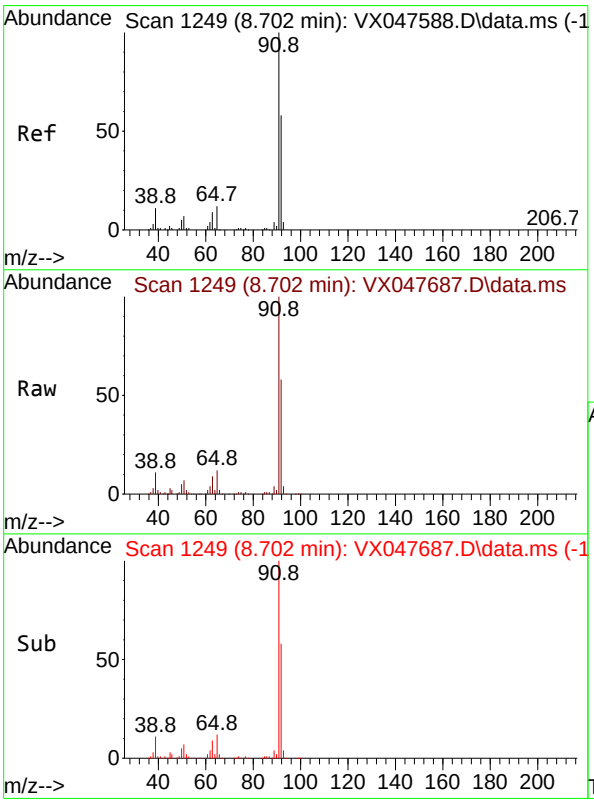
#51
4-Methyl-2-Pentanone
Concen: 264.517 ug/l
RT: 8.555 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047687.D
Acq: 19 Sep 2025 19:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 702538

Ion	Ratio	Lower	Upper
43	100		
58	37.6	30.3	45.5

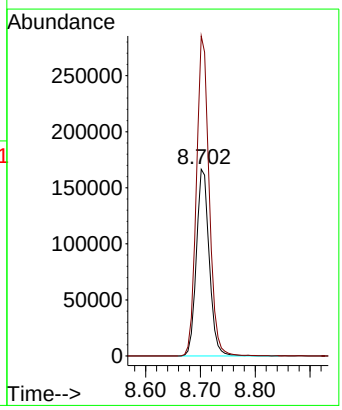


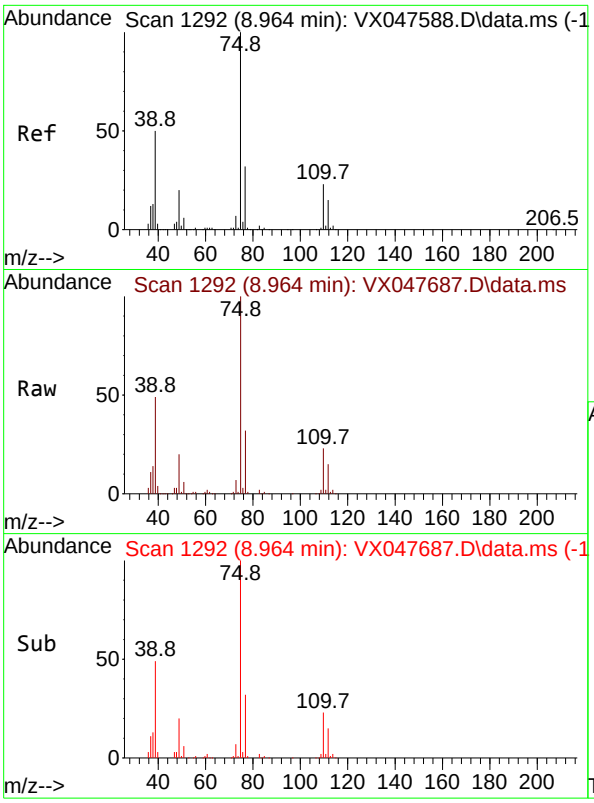


#52
Toluene
Concen: 53.368 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX047687.D
Acq: 19 Sep 2025 19:03

Tgt Ion: 92 Resp: 272421

Ion	Ratio	Lower	Upper
92	100		
91	169.4	137.1	205.7



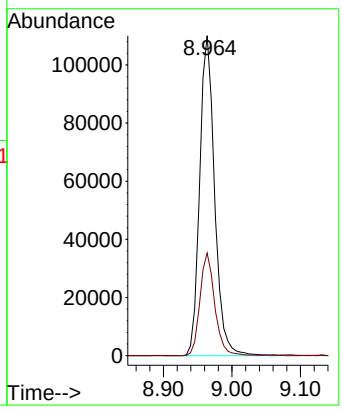


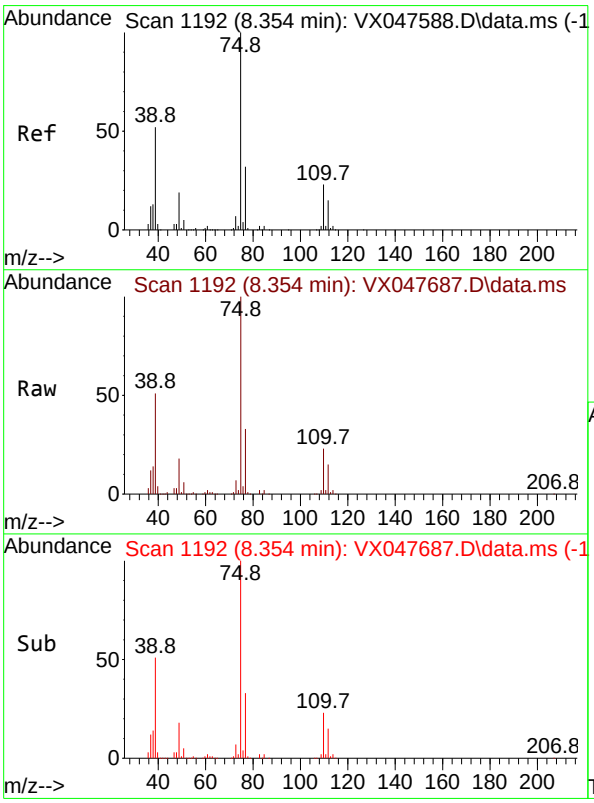
#53
t-1,3-Dichloropropene
Concen: 51.527 ug/l
RT: 8.964 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047687.D
Acq: 19 Sep 2025 19:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 167442

Ion	Ratio	Lower	Upper
75	100		
77	32.1	25.4	38.2

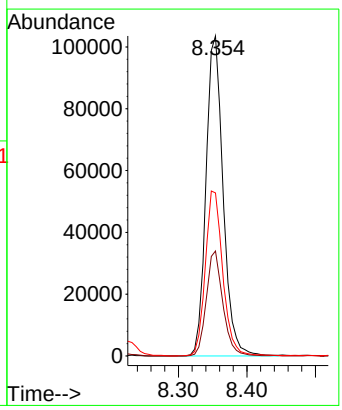


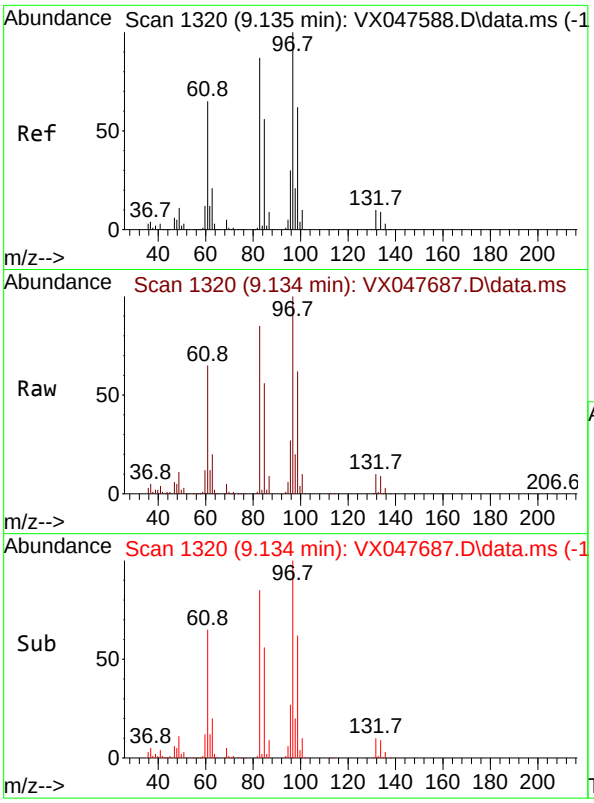


#54
cis-1,3-Dichloropropene
Concen: 51.815 ug/l
RT: 8.354 min Scan# 1192
Delta R.T. -0.000 min
Lab File: VX047687.D
Acq: 19 Sep 2025 19:03

Tgt Ion: 75 Resp: 179970

Ion	Ratio	Lower	Upper
75	100		
77	32.8	25.8	38.6
39	50.9	41.4	62.2



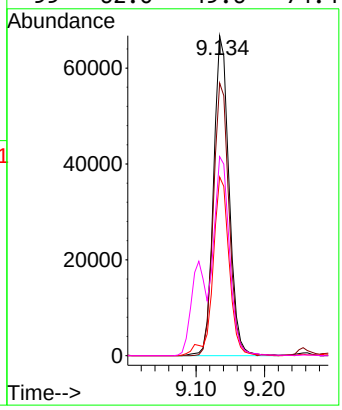


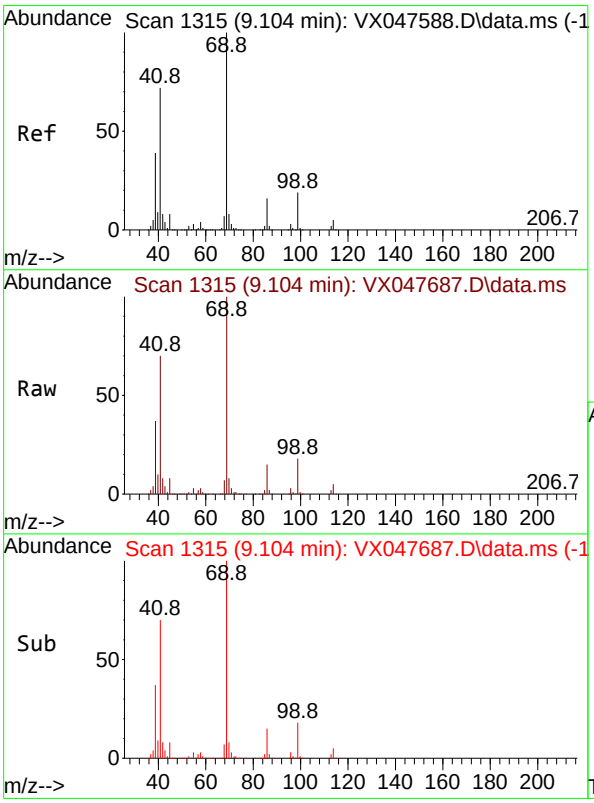
#55
1,1,2-Trichloroethane
Concen: 53.322 ug/l
RT: 9.134 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047687.D
Acq: 19 Sep 2025 19:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 97 Resp: 104952

Ion	Ratio	Lower	Upper
97	100		
83	85.2	69.6	104.4
85	55.9	45.0	67.6
99	62.0	49.6	74.4

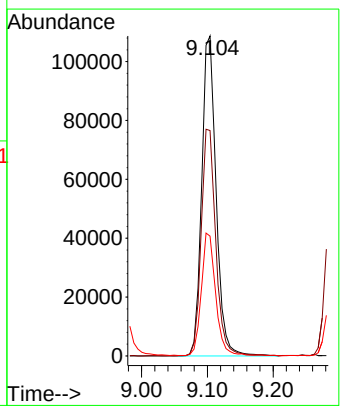


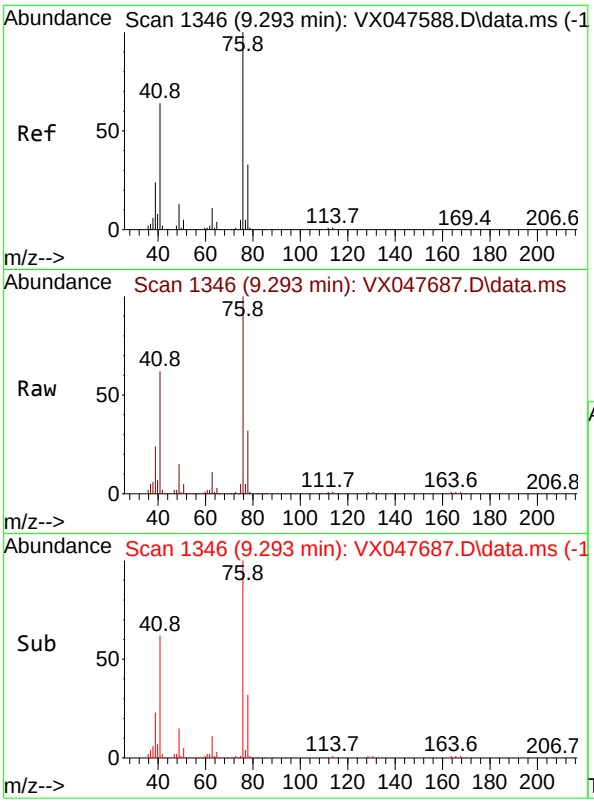


#56
Ethyl methacrylate
Concen: 53.586 ug/l
RT: 9.104 min Scan# 1315
Delta R.T. -0.000 min
Lab File: VX047687.D
Acq: 19 Sep 2025 19:03

Tgt Ion: 69 Resp: 165642

Ion	Ratio	Lower	Upper
69	100		
41	71.6	58.6	87.8
39	38.5	31.5	47.3



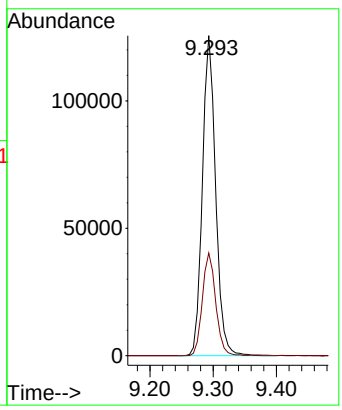


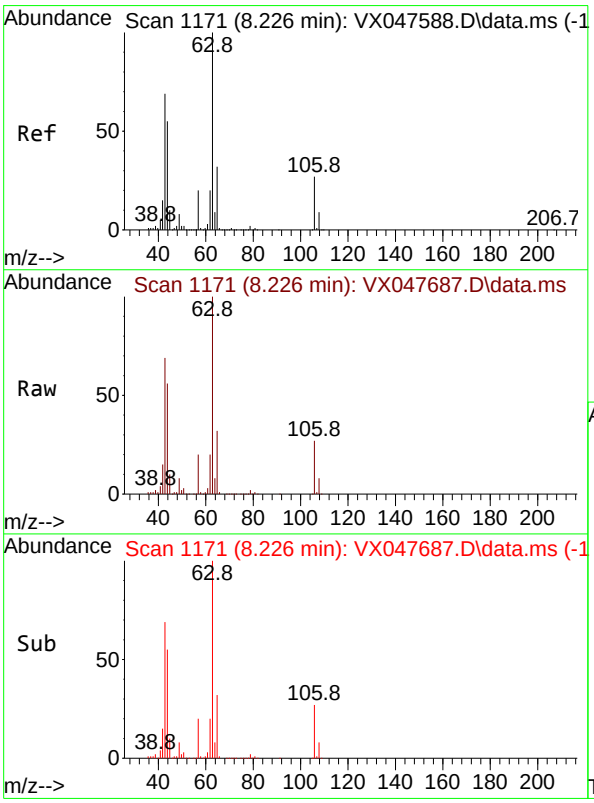
#57
1,3-Dichloropropane
Concen: 54.129 ug/l
RT: 9.293 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047687.D
Acq: 19 Sep 2025 19:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 76 Resp: 183018

Ion	Ratio	Lower	Upper
76	100		
78	32.4	26.2	39.4

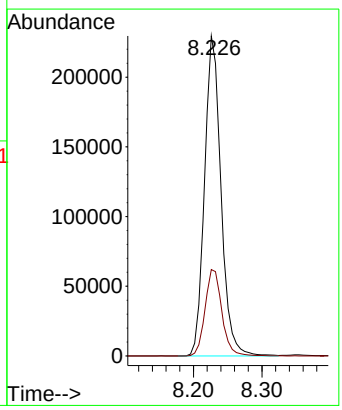


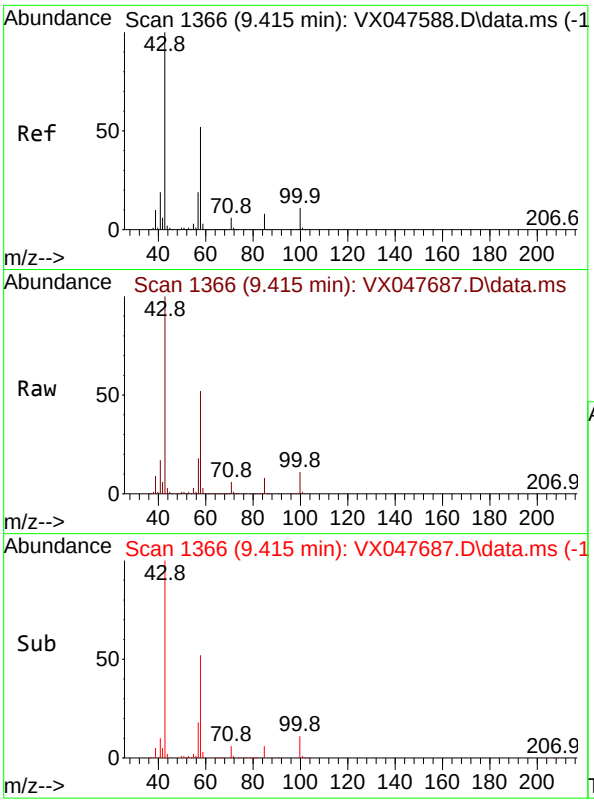


#58
2-Chloroethyl Vinyl ether
Concen: 259.650 ug/l
RT: 8.226 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VX047687.D
Acq: 19 Sep 2025 19:03

Tgt Ion: 63 Resp: 384468

Ion	Ratio	Lower	Upper
63	100		
106	27.6	21.9	32.9



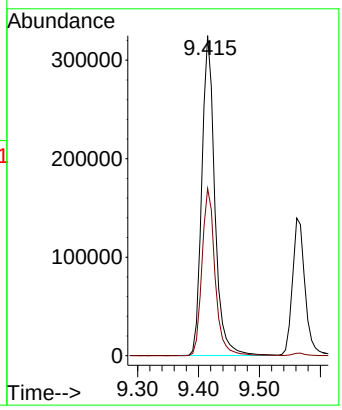


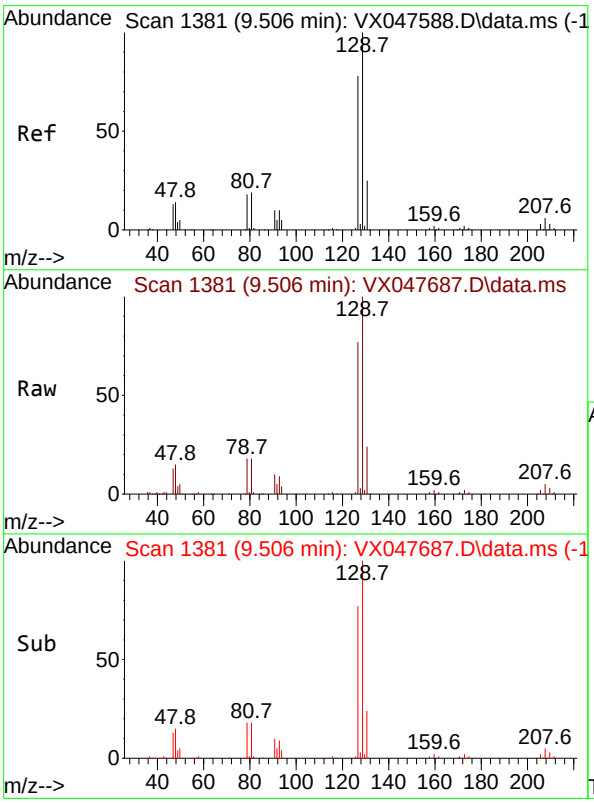
#59
2-Hexanone
Concen: 252.510 ug/l
RT: 9.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047687.D
Acq: 19 Sep 2025 19:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 481662

Ion	Ratio	Lower	Upper
43	100		
58	52.8	26.1	78.2

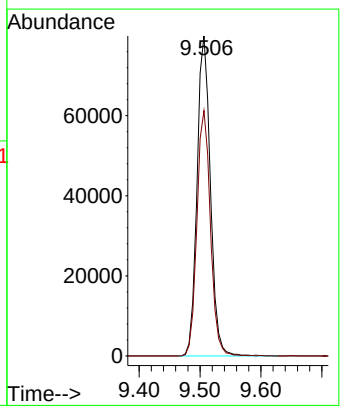


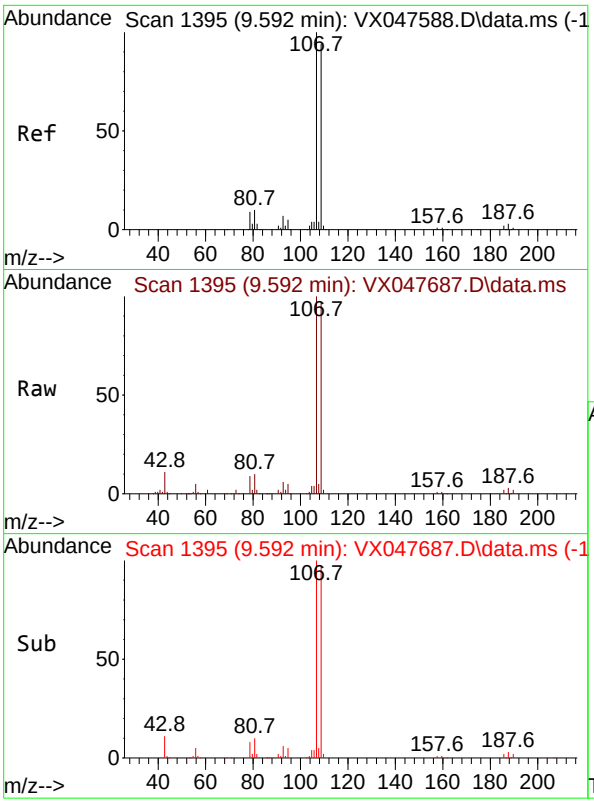


#60
Dibromochloromethane
Concen: 53.465 ug/l
RT: 9.506 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VX047687.D
Acq: 19 Sep 2025 19:03

Tgt Ion:129 Resp: 121253

Ion	Ratio	Lower	Upper
129	100		
127	77.6	38.4	115.2



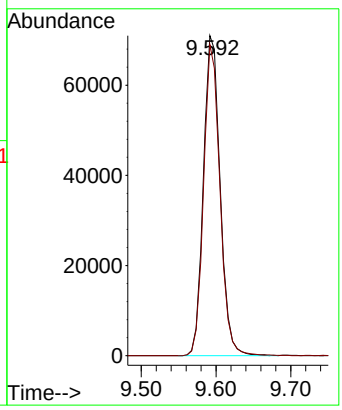


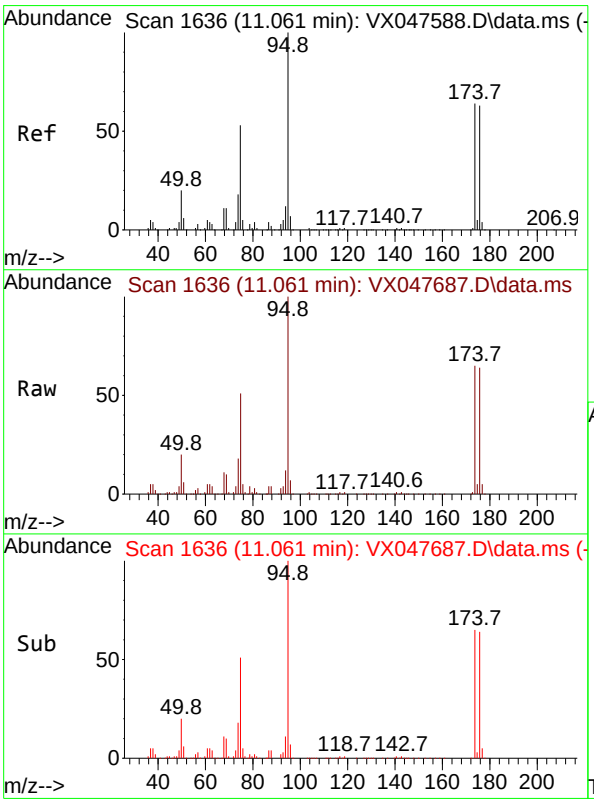
#61
1,2-Dibromoethane
Concen: 54.996 ug/l
RT: 9.592 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047687.D
Acq: 19 Sep 2025 19:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:107 Resp: 110255

Ion	Ratio	Lower	Upper
107	100		
109	95.0	75.3	112.9

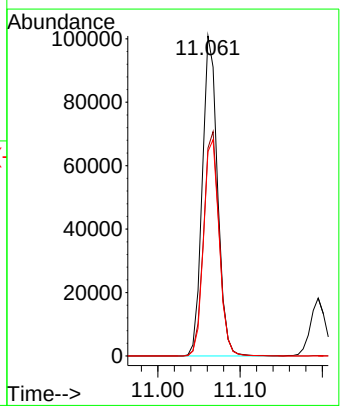


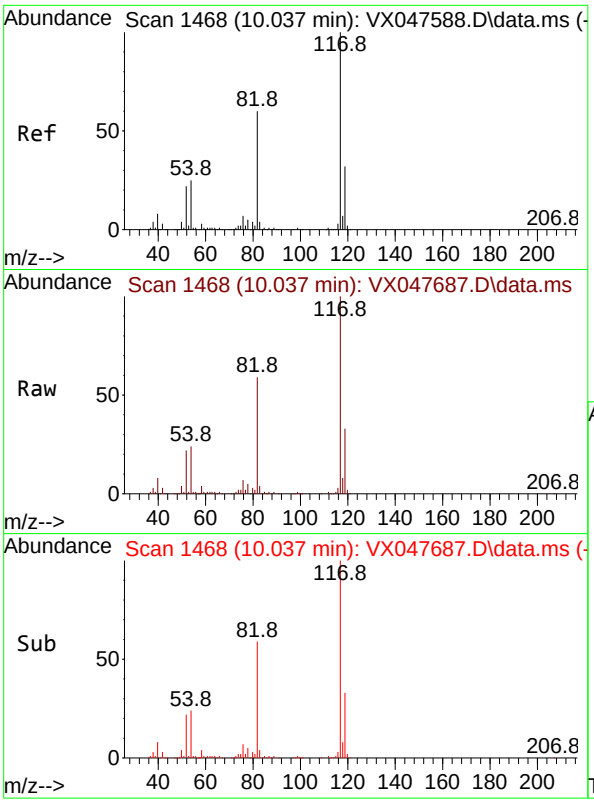


#62
4-Bromofluorobenzene
Concen: 52.822 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX047687.D
Acq: 19 Sep 2025 19:03

Tgt Ion: 95 Resp: 129494

Ion	Ratio	Lower	Upper
95	100		
174	71.9	0.0	141.6
176	69.5	0.0	138.4



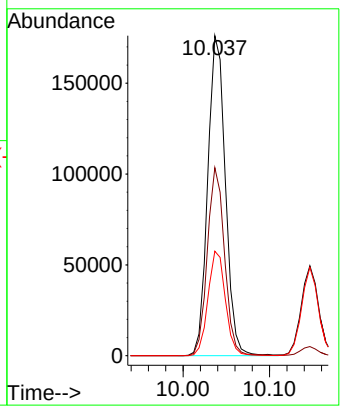


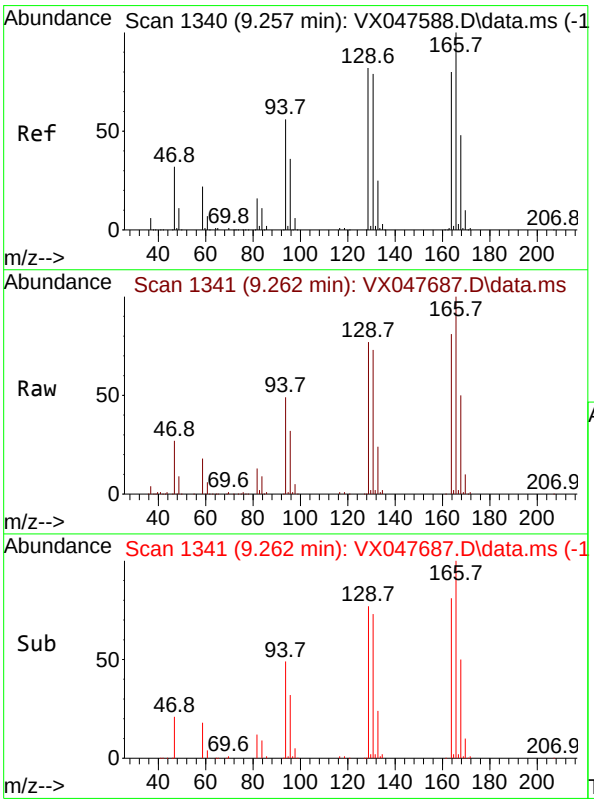
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047687.D
Acq: 19 Sep 2025 19:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:117 Resp: 248998

Ion	Ratio	Lower	Upper
117	100		
82	58.7	47.8	71.6
119	32.7	25.2	37.8

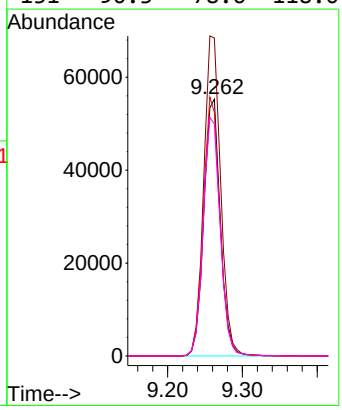


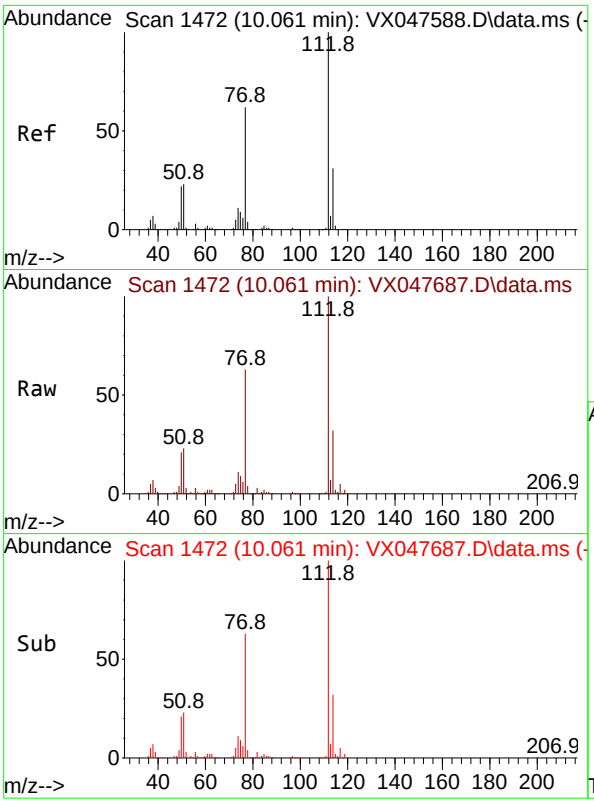


#64
Tetrachloroethene
Concen: 52.205 ug/l
RT: 9.262 min Scan# 1341
Delta R.T. 0.006 min
Lab File: VX047687.D
Acq: 19 Sep 2025 19:03

Tgt Ion:164 Resp: 84740

Ion	Ratio	Lower	Upper
164	100		
166	123.9	100.2	150.2
129	94.9	81.8	122.6
131	90.3	78.6	118.0



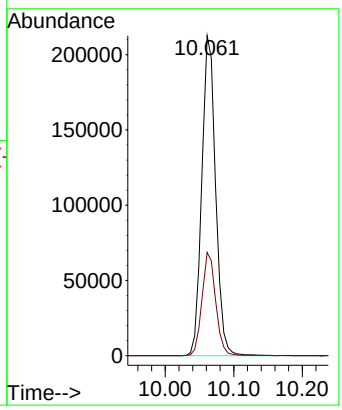


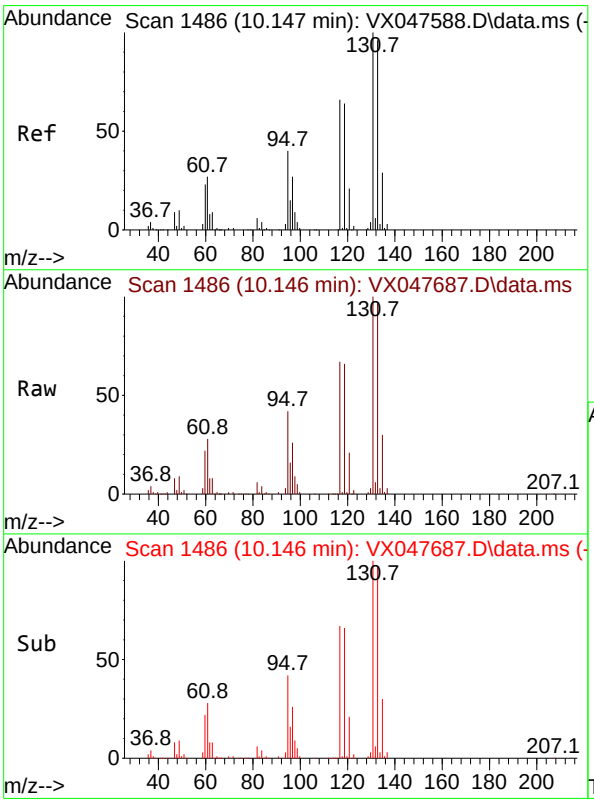
#65
Chlorobenzene
Concen: 52.793 ug/l
RT: 10.061 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047687.D
Acq: 19 Sep 2025 19:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:112 Resp: 298639

Ion	Ratio	Lower	Upper
112	100		
114	32.2	25.1	37.7

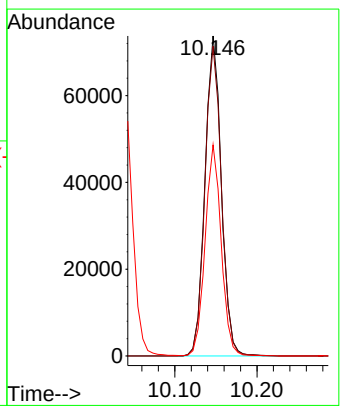


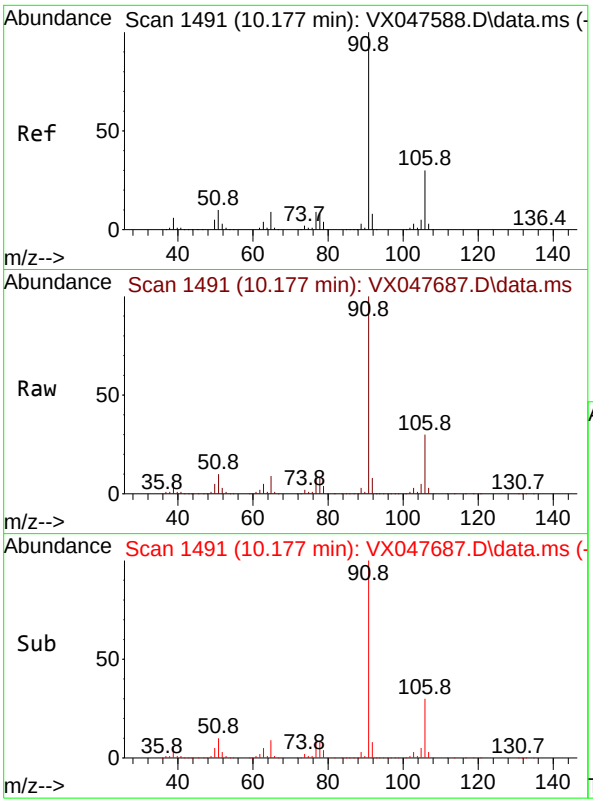


#66
1,1,1,2-Tetrachloroethane
Concen: 52.201 ug/l
RT: 10.146 min Scan# 1486
Delta R.T. -0.000 min
Lab File: VX047687.D
Acq: 19 Sep 2025 19:03

Tgt Ion:131 Resp: 101896

Ion	Ratio	Lower	Upper
131	100		
133	98.0	47.3	142.0
119	65.0	32.0	96.0



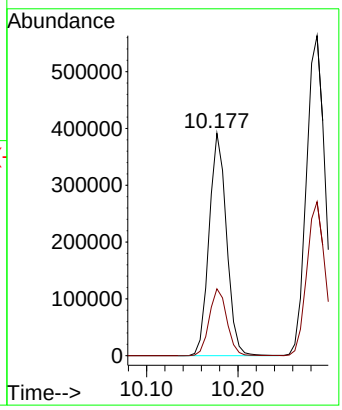


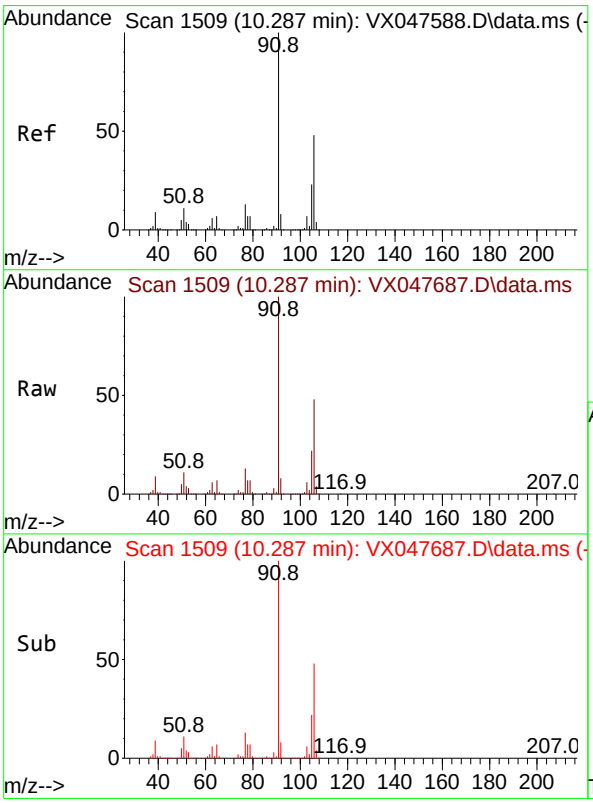
#67
Ethyl Benzene
Concen: 52.982 ug/l
RT: 10.177 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047687.D
Acq: 19 Sep 2025 19:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 517118

Ion	Ratio	Lower	Upper
91	100		
106	30.1	24.3	36.5

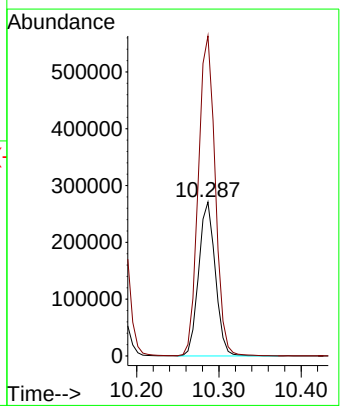


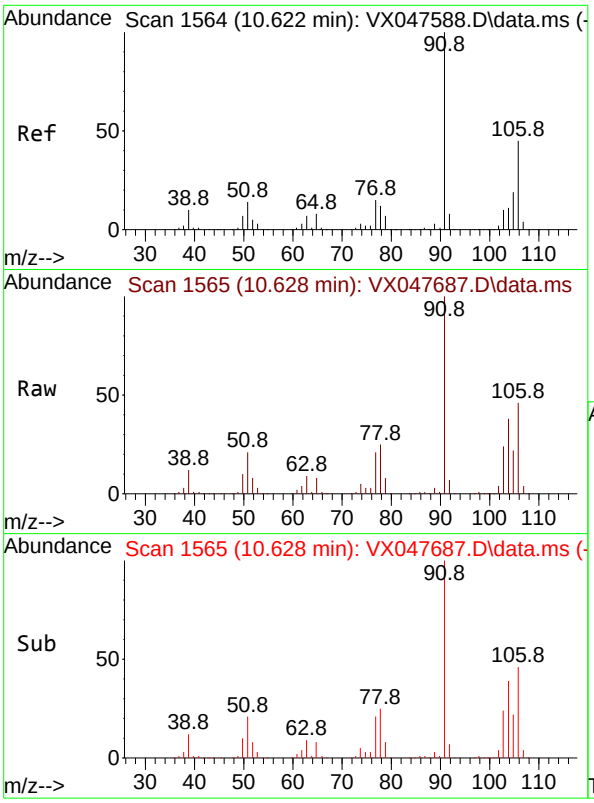


#68
m/p-Xylenes
Concen: 104.973 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VX047687.D
Acq: 19 Sep 2025 19:03

Tgt Ion:106 Resp: 381354

Ion	Ratio	Lower	Upper
106	100		
91	211.0	167.8	251.8



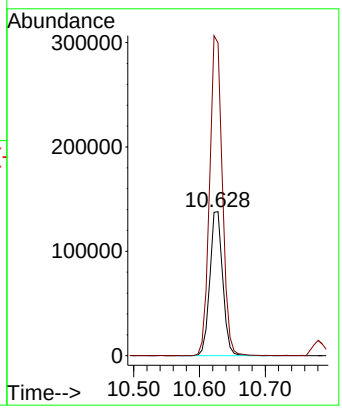


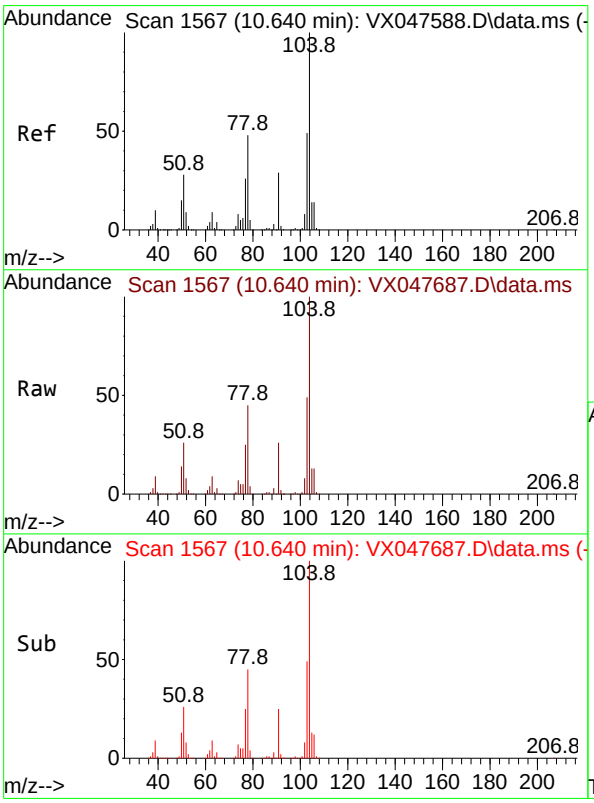
#69
o-Xylene
Concen: 53.332 ug/l
RT: 10.628 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047687.D
Acq: 19 Sep 2025 19:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:106 Resp: 187399

Ion	Ratio	Lower	Upper
106	100		
91	220.5	111.1	333.4

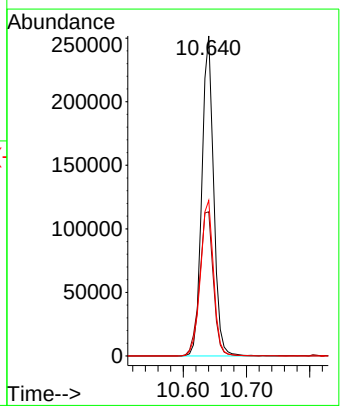


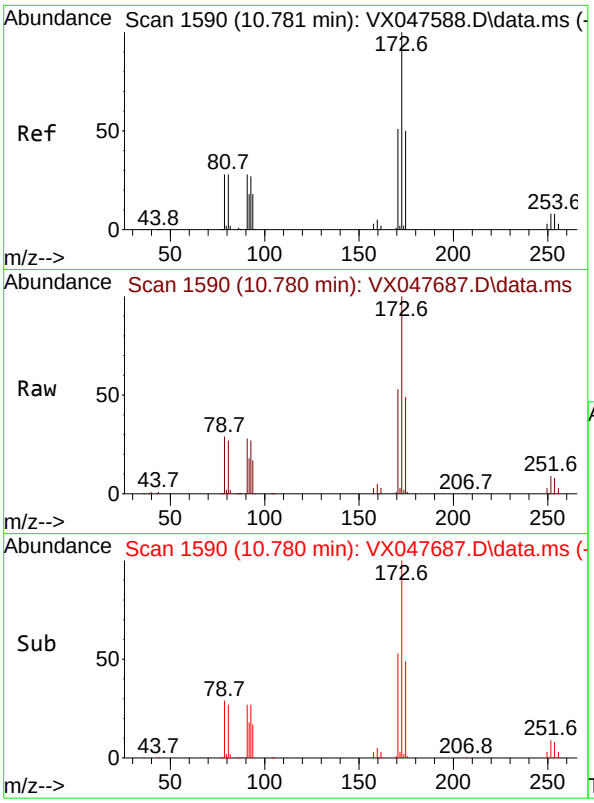


#70
Styrene
Concen: 53.259 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX047687.D
Acq: 19 Sep 2025 19:03

Tgt Ion:104 Resp: 327913

Ion	Ratio	Lower	Upper
104	100		
78	52.5	43.1	64.7
103	53.9	43.1	64.7



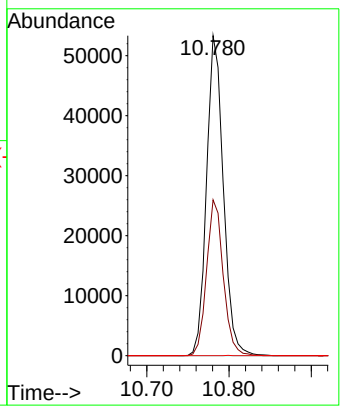


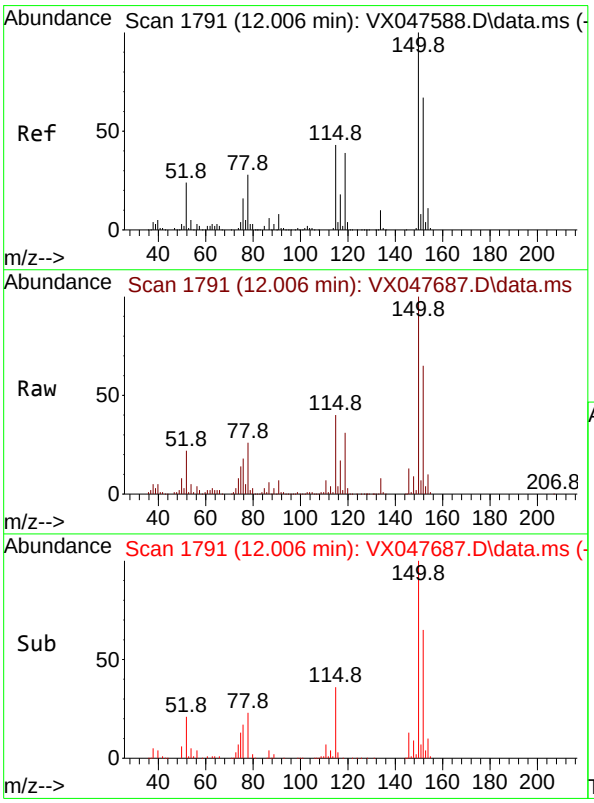
#71
Bromoform
Concen: 51.882 ug/l
RT: 10.780 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047687.D
Acq: 19 Sep 2025 19:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:173 Resp: 75620

Ion	Ratio	Lower	Upper
173	100		
175	48.3	24.9	74.6
254	0.0	0.1	0.1#

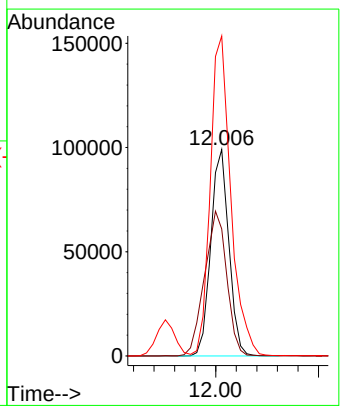


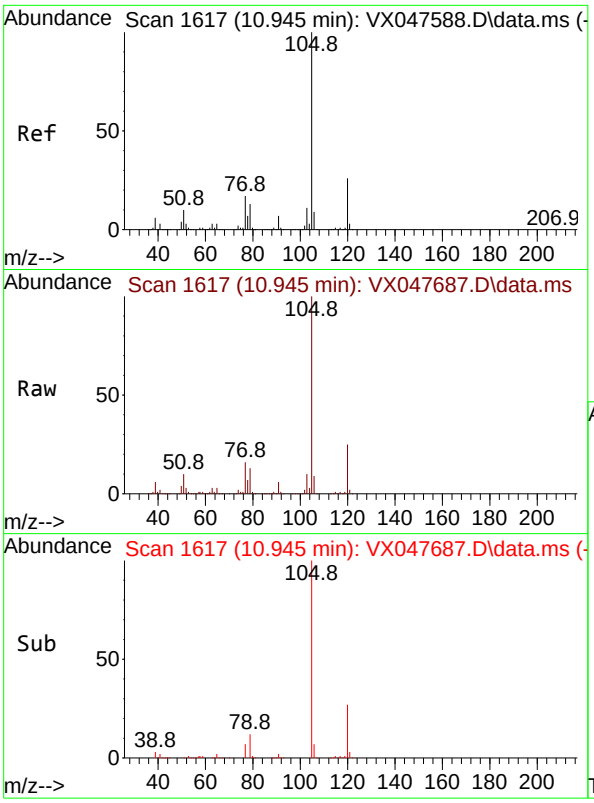


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047687.D
Acq: 19 Sep 2025 19:03

Tgt Ion:152 Resp: 120684

Ion	Ratio	Lower	Upper
152	100		
115	86.4	44.9	134.5
150	175.9	0.0	352.0



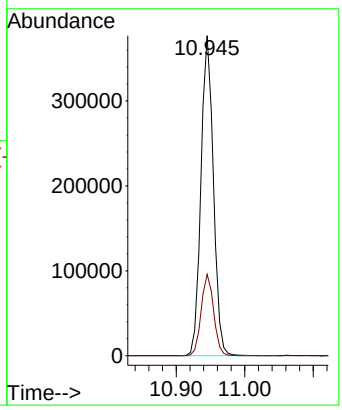


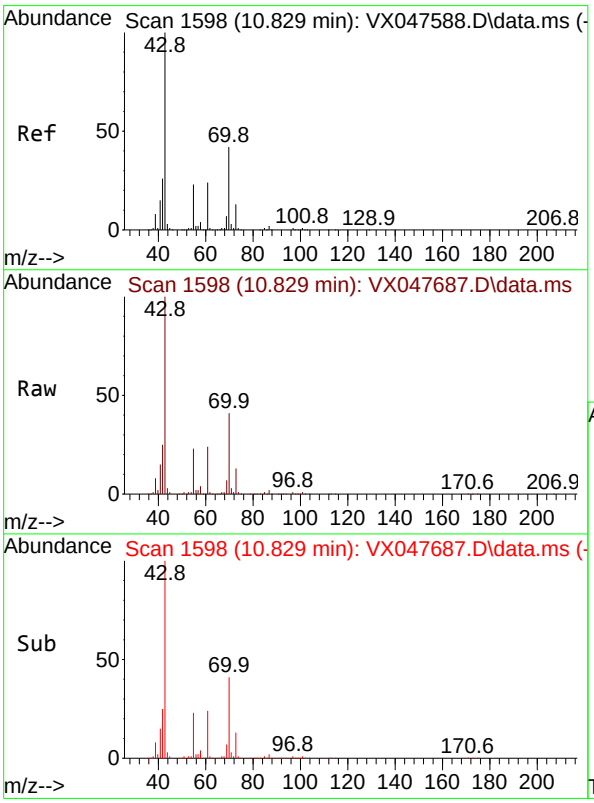
#73
Isopropylbenzene
Concen: 51.835 ug/l
RT: 10.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047687.D
Acq: 19 Sep 2025 19:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:105 Resp: 475596

Ion	Ratio	Lower	Upper
105	100		
120	25.5	12.8	38.4

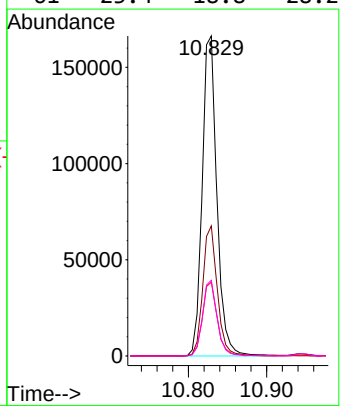


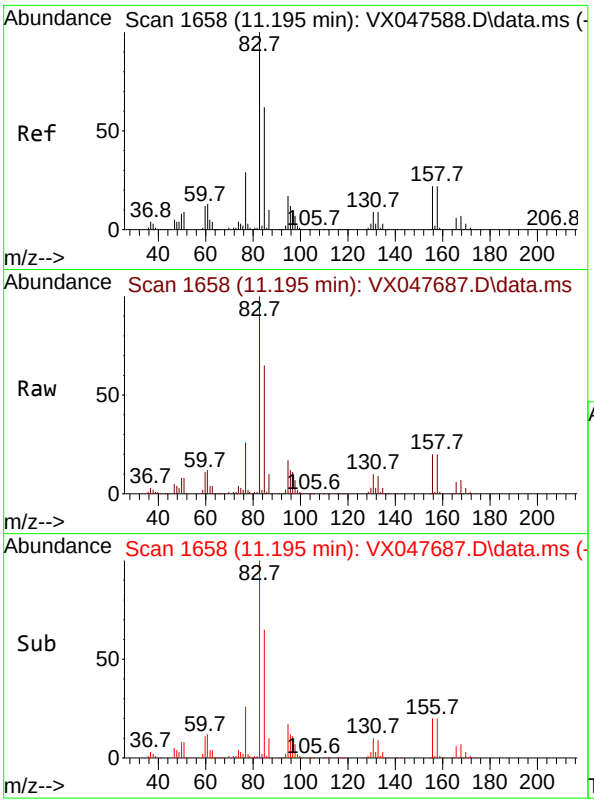


#74
N-amyl acetate
Concen: 51.785 ug/l
RT: 10.829 min Scan# 1598
Delta R.T. -0.000 min
Lab File: VX047687.D
Acq: 19 Sep 2025 19:03

Tgt Ion: 43 Resp: 216669

Ion	Ratio	Lower	Upper
43	100		
70	40.2	32.0	48.0
55	23.3	18.9	28.3
61	23.4	18.8	28.2



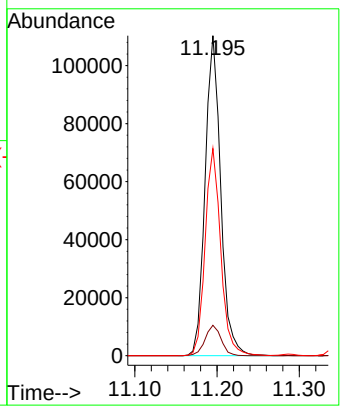


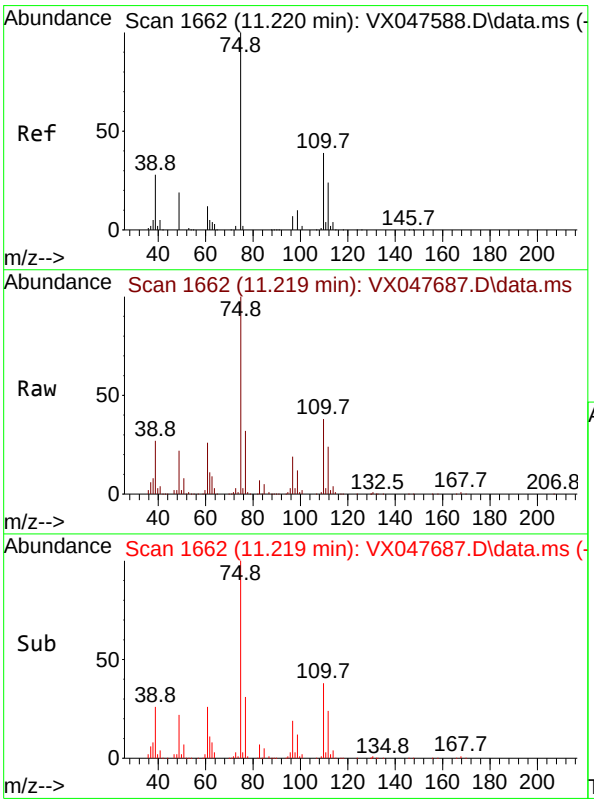
#75
1,1,2,2-Tetrachloroethane
Concen: 52.421 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047687.D
Acq: 19 Sep 2025 19:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 145518

Ion	Ratio	Lower	Upper
83	100		
131	9.8	5.0	14.9
85	64.8	31.6	95.0

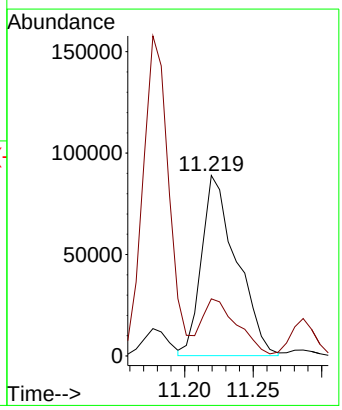


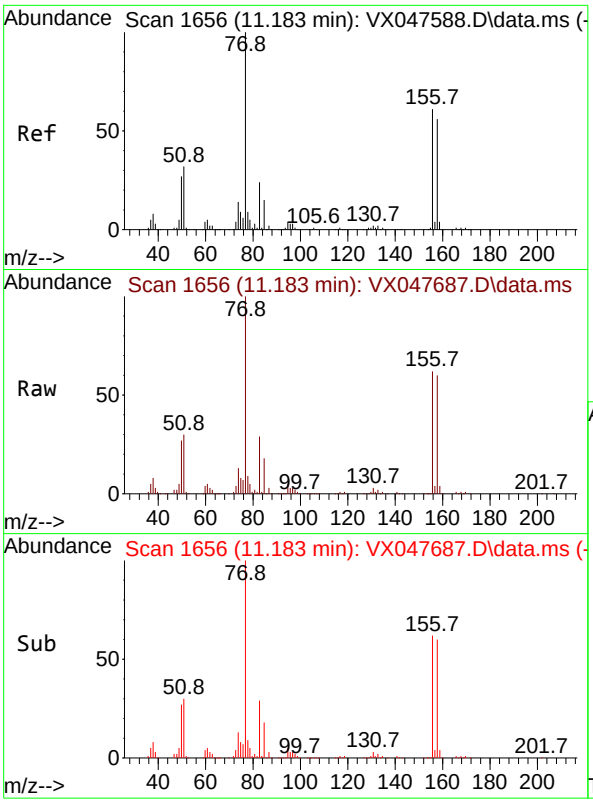


#76
1,2,3-Trichloropropane
Concen: 64.800 ug/l
RT: 11.219 min Scan# 1662
Delta R.T. -0.000 min
Lab File: VX047687.D
Acq: 19 Sep 2025 19:03

Tgt Ion: 75 Resp: 158337

Ion	Ratio	Lower	Upper
75	100		
77	30.9	18.8	56.4



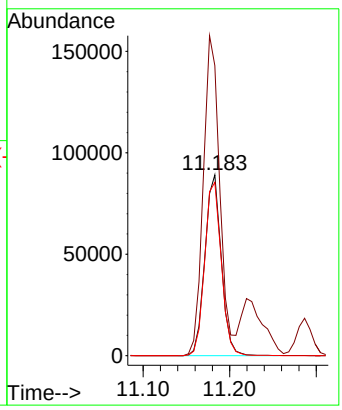


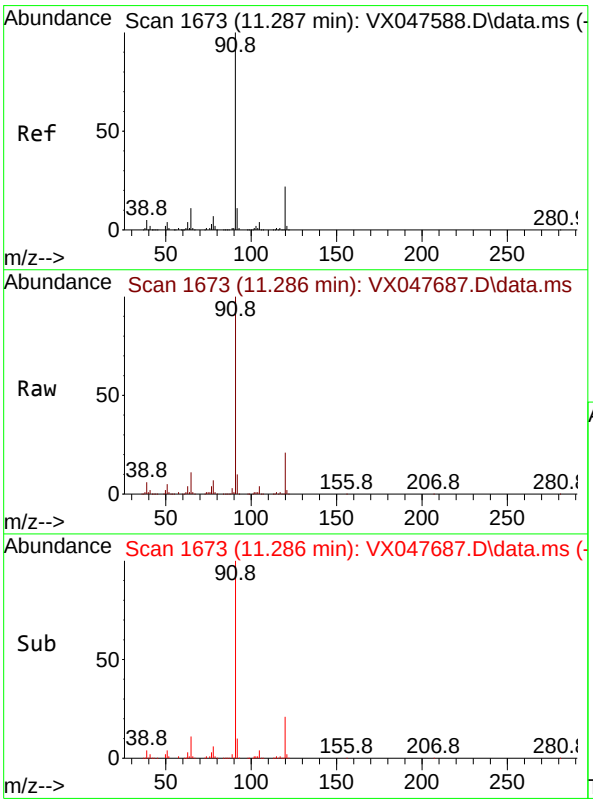
#77
Bromobenzene
Concen: 51.947 ug/l
RT: 11.183 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047687.D
Acq: 19 Sep 2025 19:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:156 Resp: 117390

Ion	Ratio	Lower	Upper
156	100		
77	178.3	89.7	269.1
158	97.4	47.9	143.6

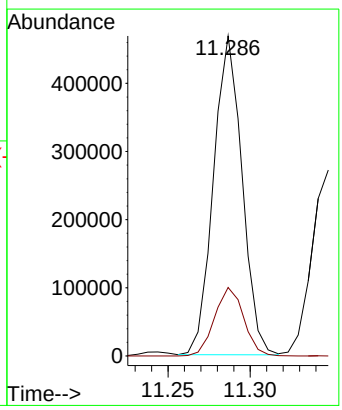


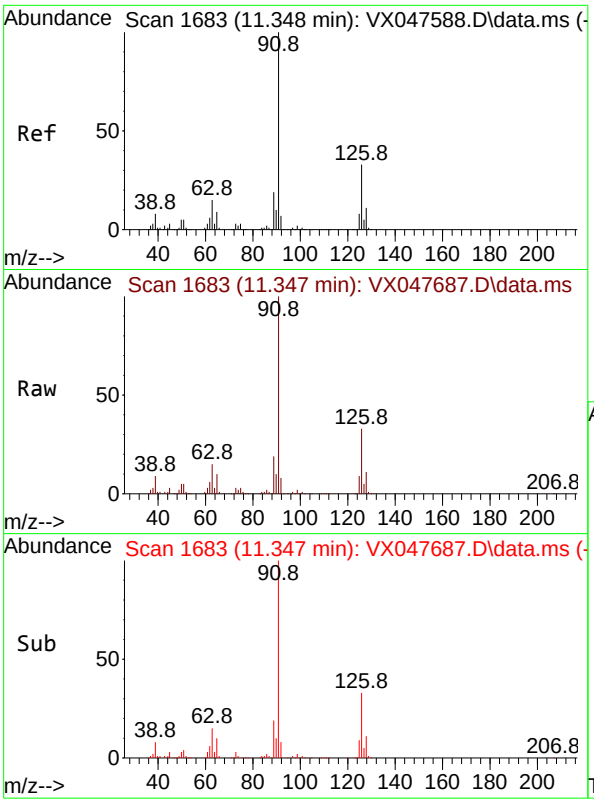


#78
n-propylbenzene
Concen: 52.147 ug/l
RT: 11.286 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX047687.D
Acq: 19 Sep 2025 19:03

Tgt Ion: 91 Resp: 565595

Ion	Ratio	Lower	Upper
91	100		
120	21.9	11.1	33.1



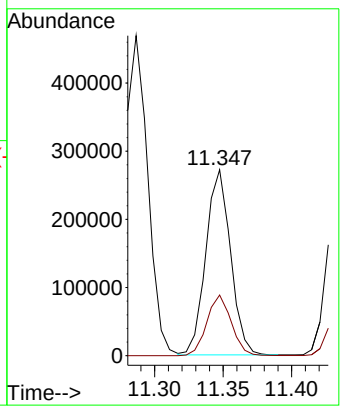


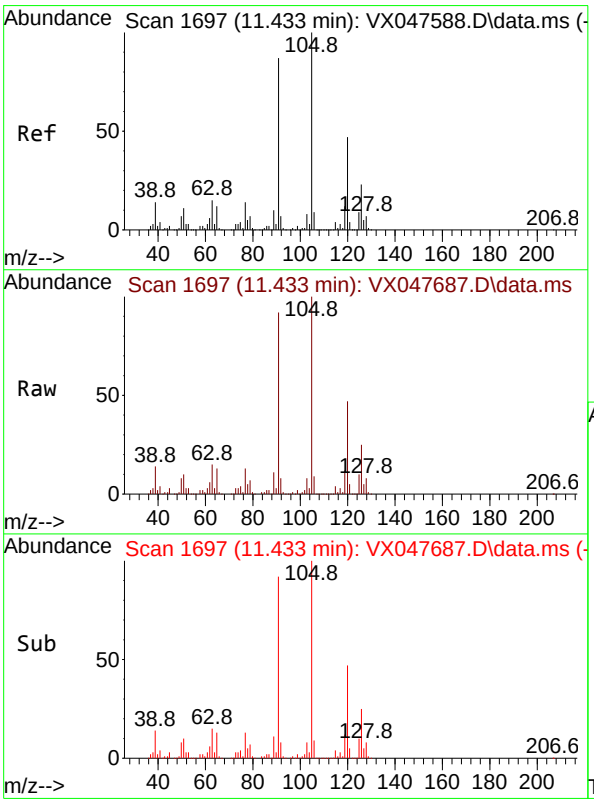
#79
2-Chlorotoluene
Concen: 51.361 ug/l
RT: 11.347 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047687.D
Acq: 19 Sep 2025 19:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 341195

Ion	Ratio	Lower	Upper
91	100		
126	32.4	16.1	48.3

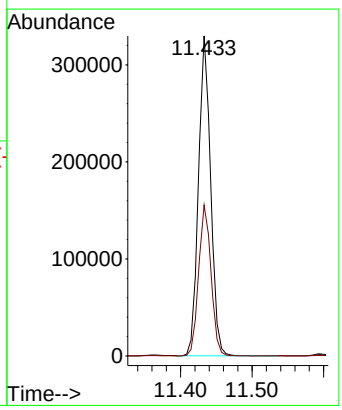


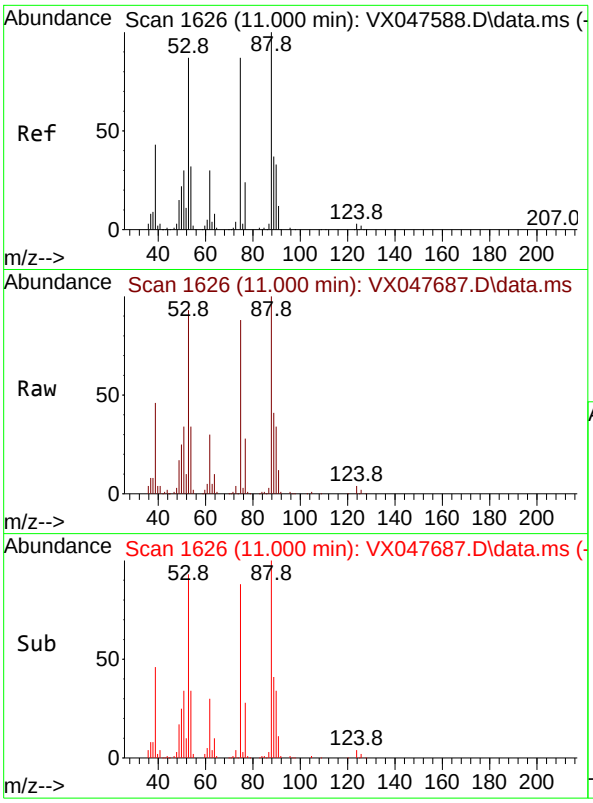


#80
1,3,5-Trimethylbenzene
Concen: 51.564 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX047687.D
Acq: 19 Sep 2025 19:03

Tgt Ion:105 Resp: 388702

Ion	Ratio	Lower	Upper
105	100		
120	48.1	23.6	70.8



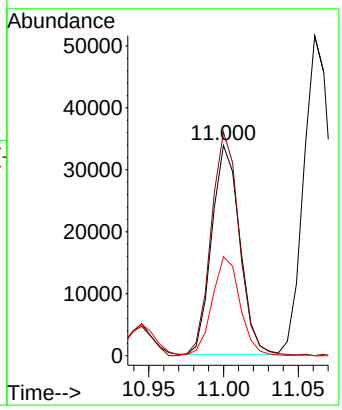


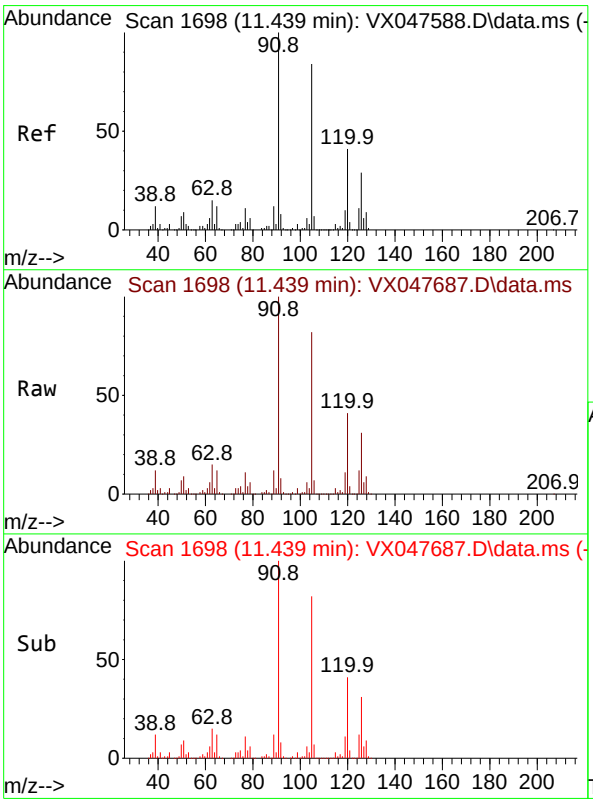
#81
trans-1,4-Dichloro-2-butene
Concen: 45.792 ug/l
RT: 11.000 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047687.D
Acq: 19 Sep 2025 19:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 43877

Ion	Ratio	Lower	Upper
75	100		
53	108.1	83.4	125.2
89	47.0	36.3	54.5

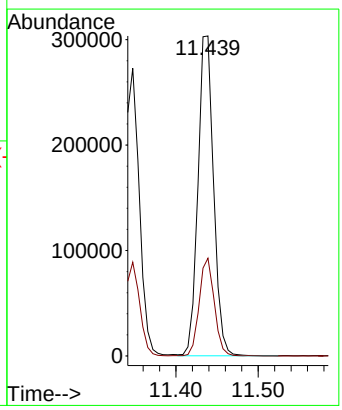


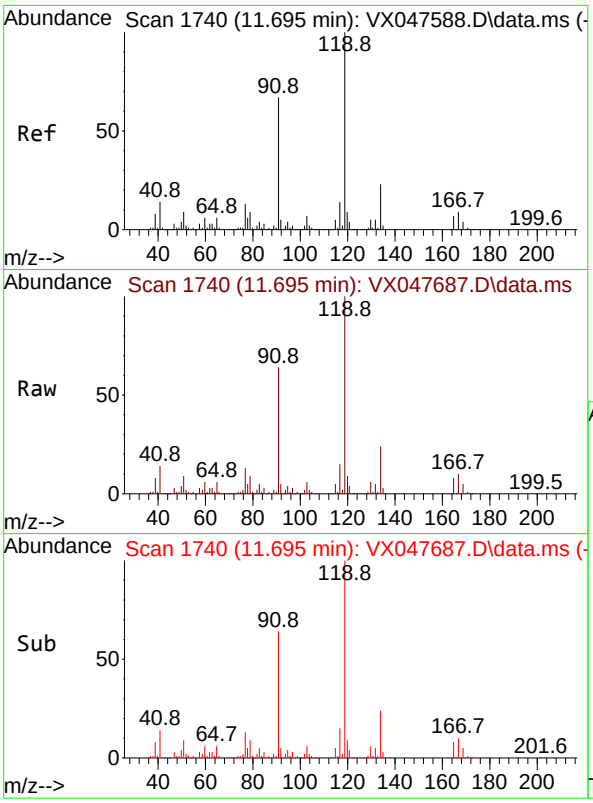


#82
4-Chlorotoluene
Concen: 51.132 ug/l
RT: 11.439 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VX047687.D
Acq: 19 Sep 2025 19:03

Tgt Ion: 91 Resp: 401172

Ion	Ratio	Lower	Upper
91	100		
126	29.5	14.2	42.6



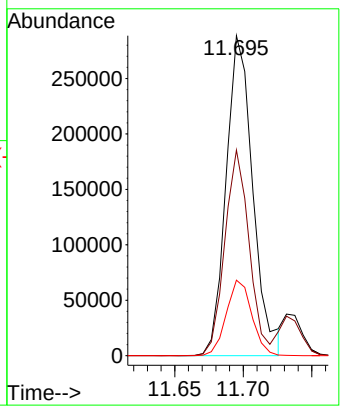


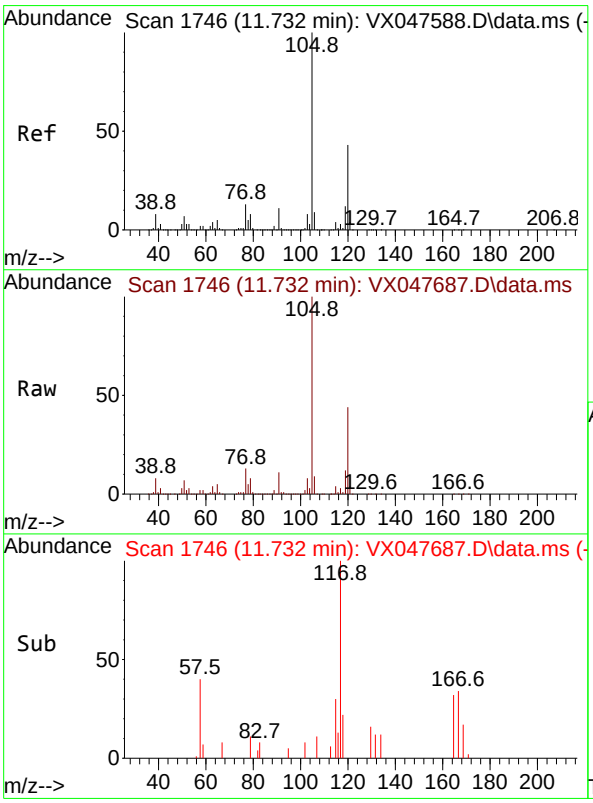
#83
tert-Butylbenzene
Concen: 50.797 ug/l
RT: 11.695 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047687.D
Acq: 19 Sep 2025 19:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:119 Resp: 391982

Ion	Ratio	Lower	Upper
119	100		
91	58.7	29.6	88.8
134	22.6	11.0	33.0

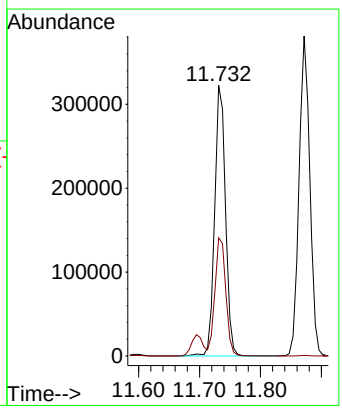


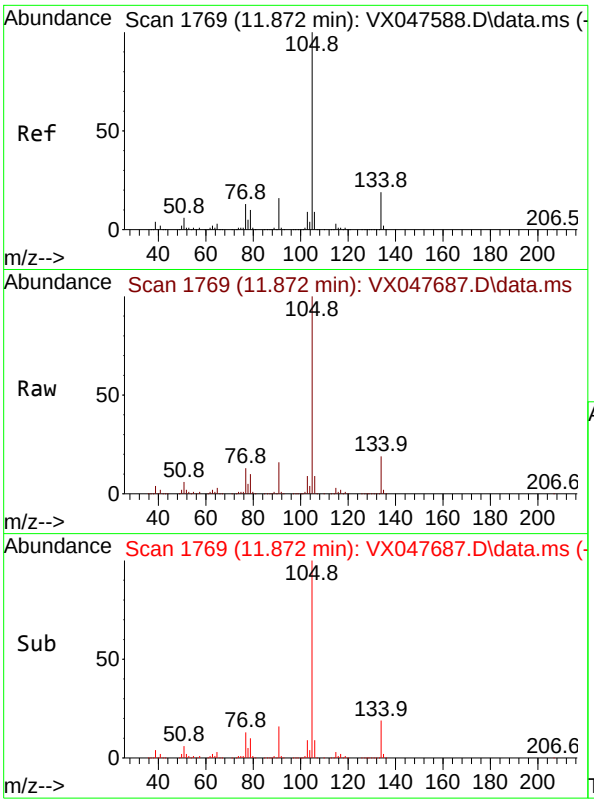


#84
1,2,4-Trimethylbenzene
Concen: 52.011 ug/l
RT: 11.732 min Scan# 1746
Delta R.T. -0.000 min
Lab File: VX047687.D
Acq: 19 Sep 2025 19:03

Tgt Ion:105 Resp: 397498

Ion	Ratio	Lower	Upper
105	100		
120	43.8	22.1	66.1



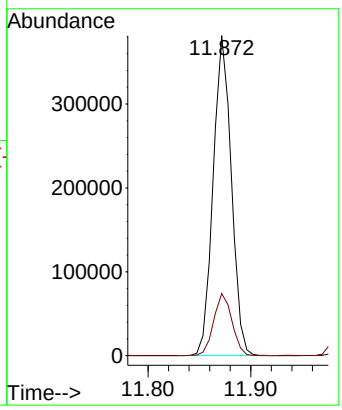


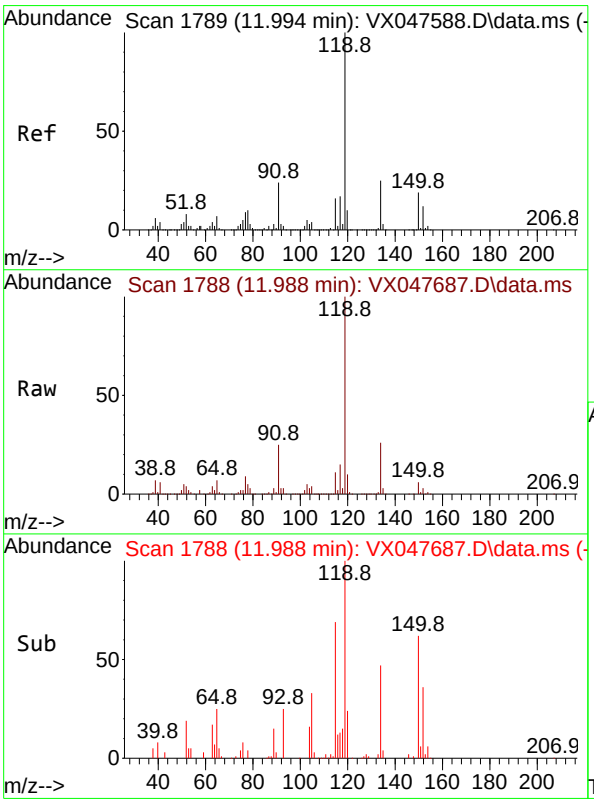
#85
sec-Butylbenzene
Concen: 51.055 ug/l
RT: 11.872 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047687.D
Acq: 19 Sep 2025 19:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:105 Resp: 467967

Ion	Ratio	Lower	Upper
105	100		
134	19.6	9.8	29.5

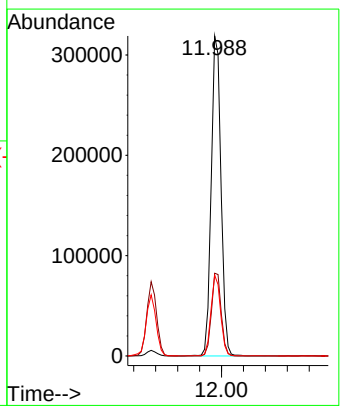


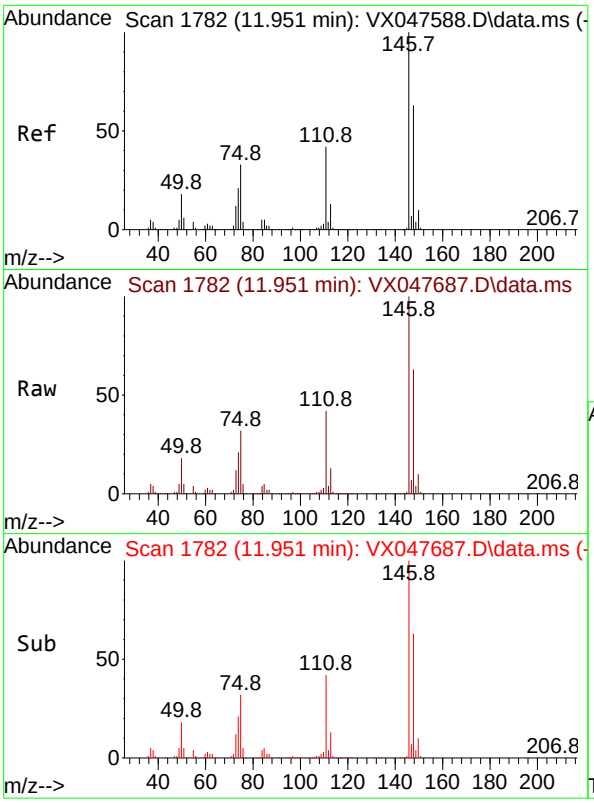


#86
p-Isopropyltoluene
Concen: 50.599 ug/l
RT: 11.988 min Scan# 1788
Delta R.T. -0.006 min
Lab File: VX047687.D
Acq: 19 Sep 2025 19:03

Tgt Ion:119 Resp: 392640

Ion	Ratio	Lower	Upper
119	100		
134	25.8	12.6	37.8
91	24.8	12.6	37.6



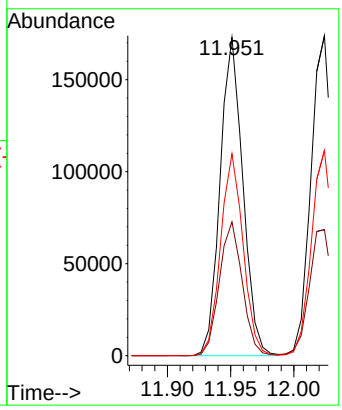


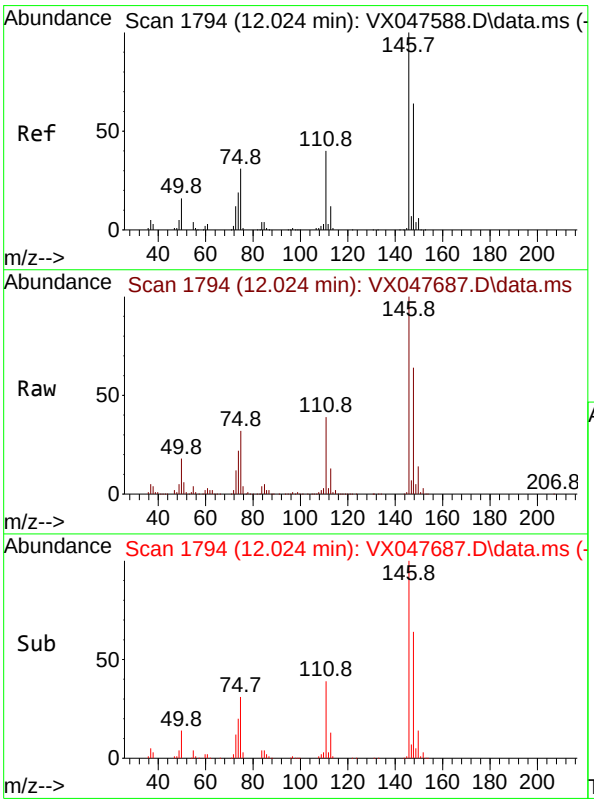
#87
1,3-Dichlorobenzene
Concen: 51.456 ug/l
RT: 11.951 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047687.D
Acq: 19 Sep 2025 19:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:146 Resp: 215979

Ion	Ratio	Lower	Upper
146	100		
111	42.5	21.5	64.5
148	62.8	32.0	96.0

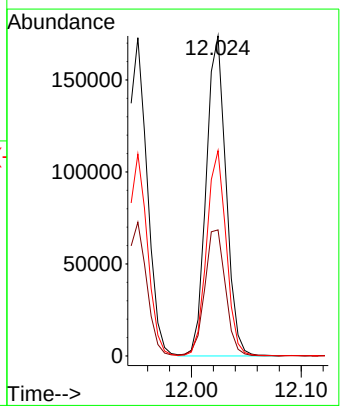


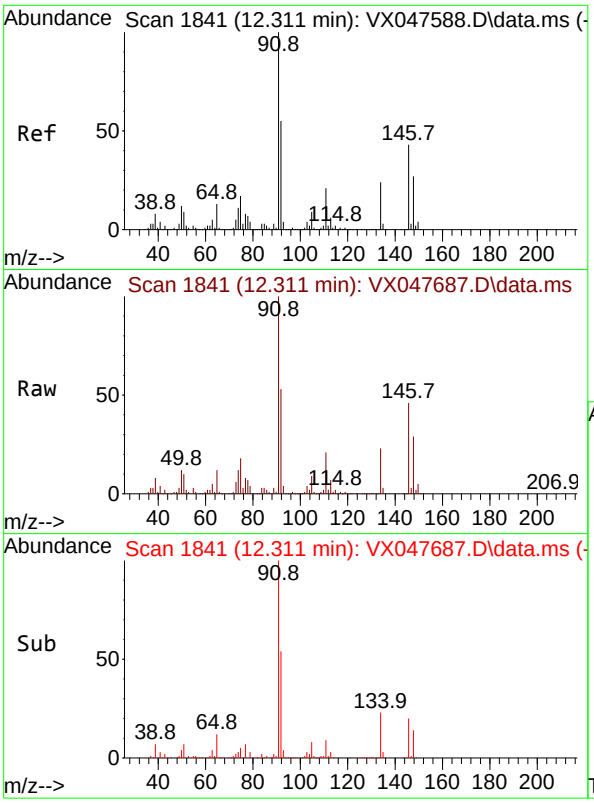


#88
1,4-Dichlorobenzene
Concen: 50.659 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX047687.D
Acq: 19 Sep 2025 19:03

Tgt Ion:146 Resp: 218234

Ion	Ratio	Lower	Upper
146	100		
111	41.3	20.8	62.4
148	63.3	31.7	95.1



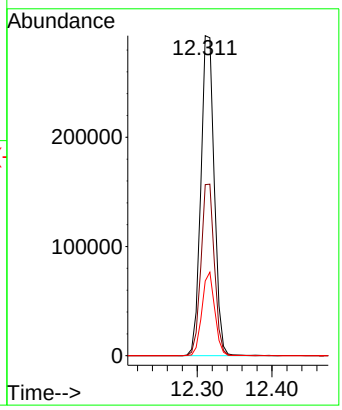


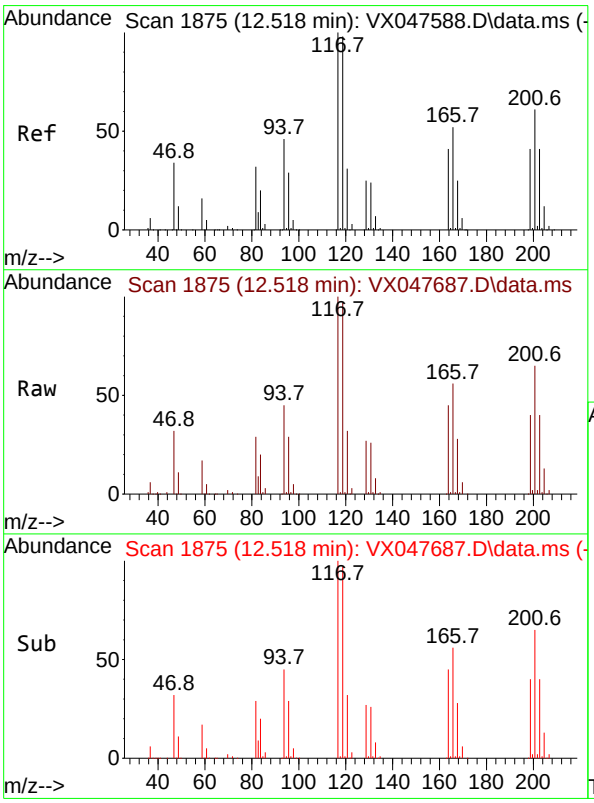
#89
n-Butylbenzene
Concen: 50.892 ug/l
RT: 12.311 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047687.D
Acq: 19 Sep 2025 19:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 365418

Ion	Ratio	Lower	Upper
91	100		
92	53.6	27.6	82.7
134	25.0	12.6	37.8

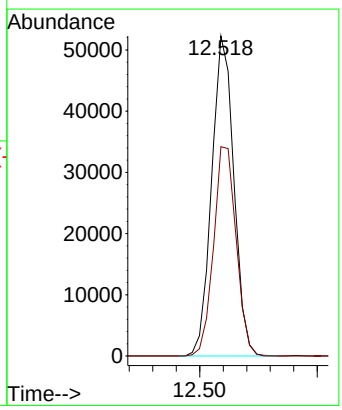


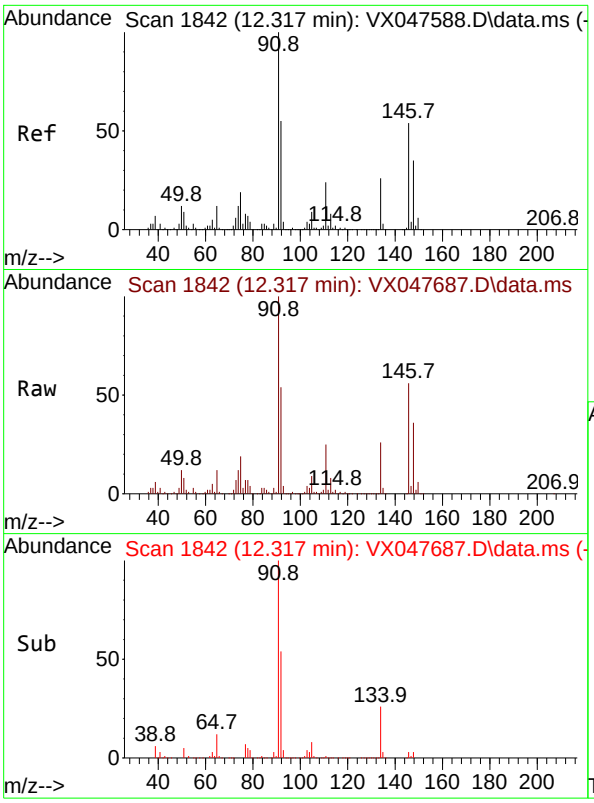


#90
Hexachloroethane
Concen: 50.250 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VX047687.D
Acq: 19 Sep 2025 19:03

Tgt Ion:117 Resp: 68460

Ion	Ratio	Lower	Upper
117	100		
201	66.7	34.2	102.5



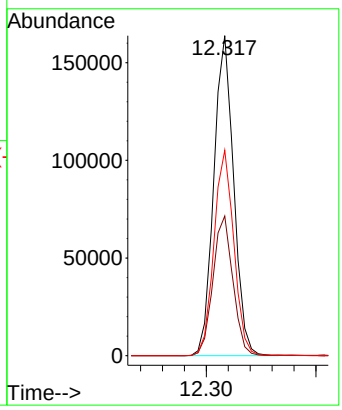


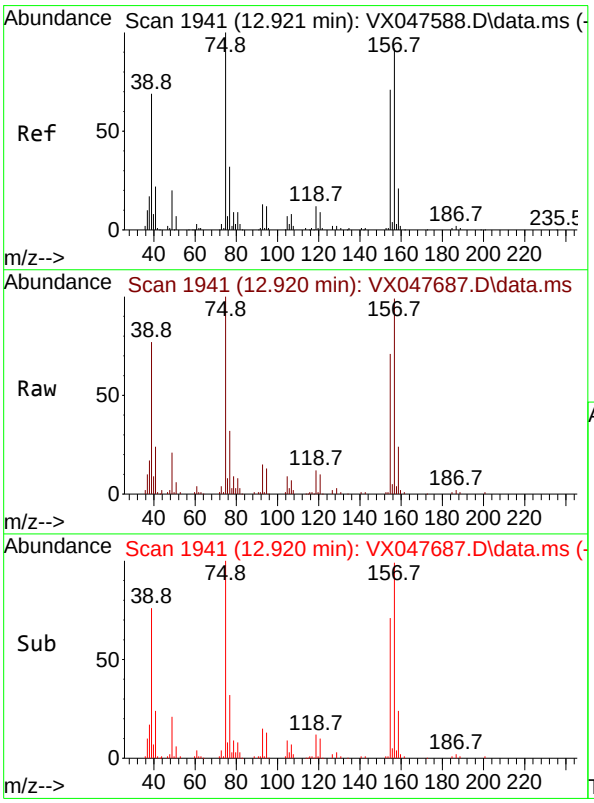
#91
1,2-Dichlorobenzene
Concen: 51.610 ug/l
RT: 12.317 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047687.D
Acq: 19 Sep 2025 19:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:146 Resp: 206378

Ion	Ratio	Lower	Upper
146	100		
111	43.8	22.2	66.6
148	64.4	31.8	95.4

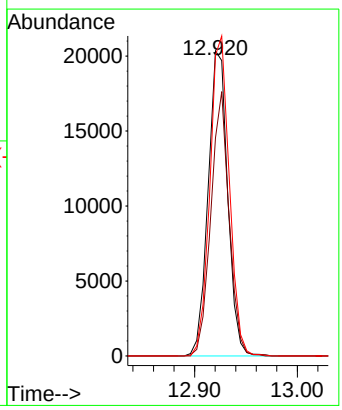


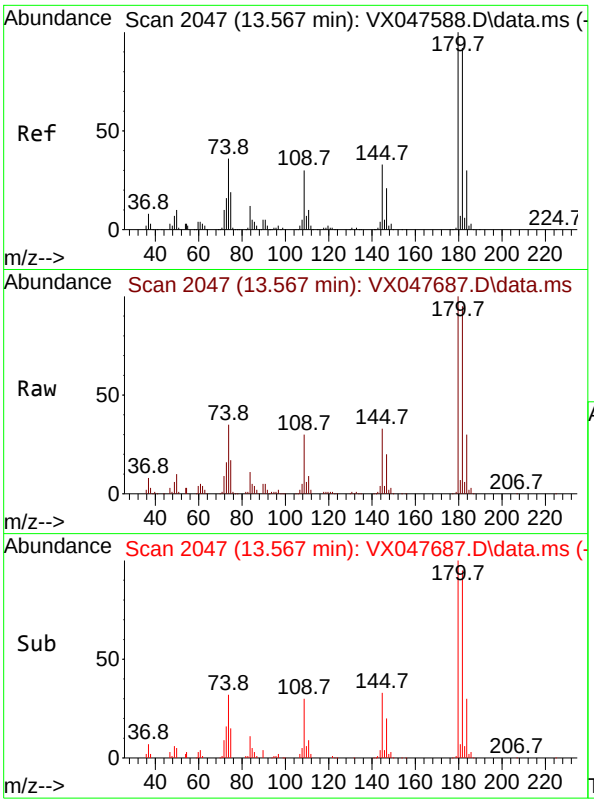


#92
1,2-Dibromo-3-Chloropropane
Concen: 47.873 ug/l
RT: 12.920 min Scan# 1941
Delta R.T. -0.000 min
Lab File: VX047687.D
Acq: 19 Sep 2025 19:03

Tgt Ion: 75 Resp: 26906

Ion	Ratio	Lower	Upper
75	100		
155	80.6	37.7	113.1
157	104.0	49.8	149.4



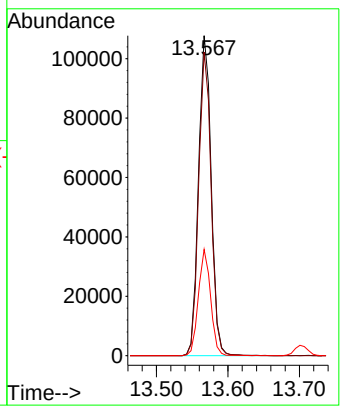


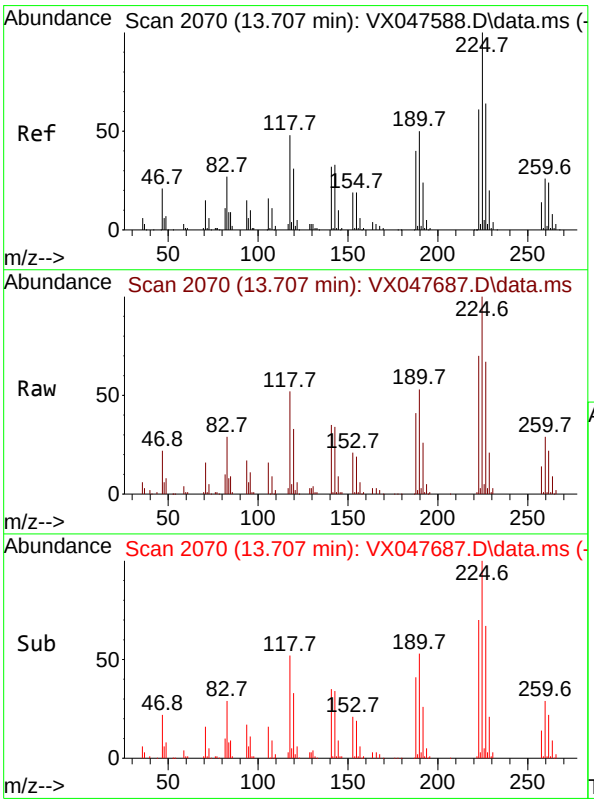
#93
1,2,4-Trichlorobenzene
Concen: 50.815 ug/l
RT: 13.567 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047687.D
Acq: 19 Sep 2025 19:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:180 Resp: 132061

Ion	Ratio	Lower	Upper
180	100		
182	93.5	46.6	139.8
145	32.1	16.4	49.1

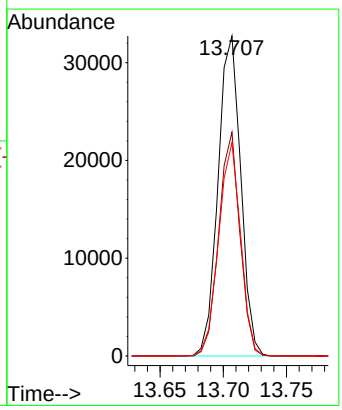


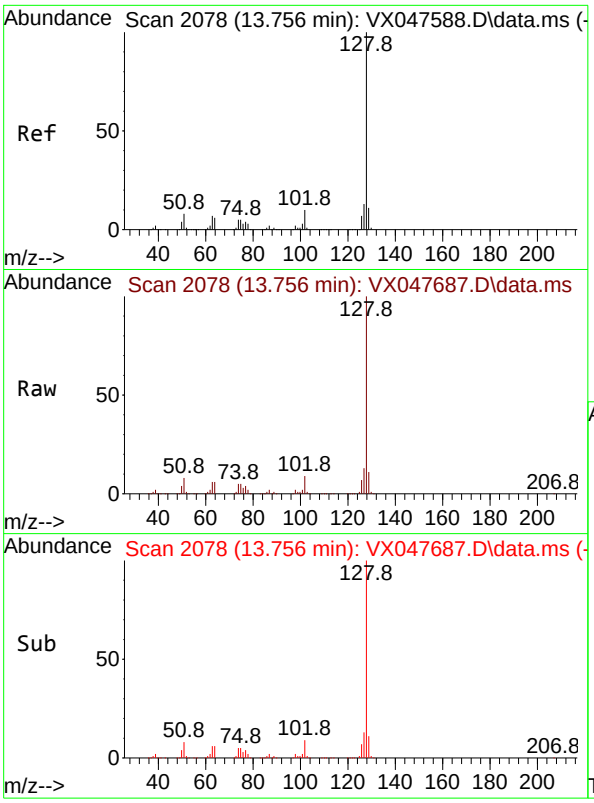


#94
Hexachlorobutadiene
Concen: 46.163 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. -0.000 min
Lab File: VX047687.D
Acq: 19 Sep 2025 19:03

Tgt Ion:225 Resp: 40751

Ion	Ratio	Lower	Upper
225	100		
223	65.3	31.7	95.1
227	64.6	32.0	96.0



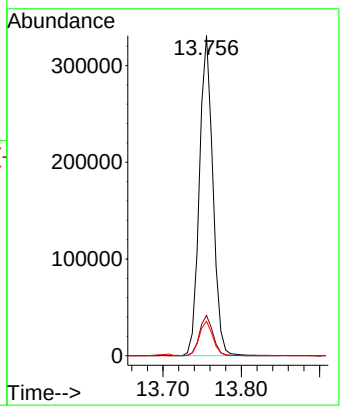


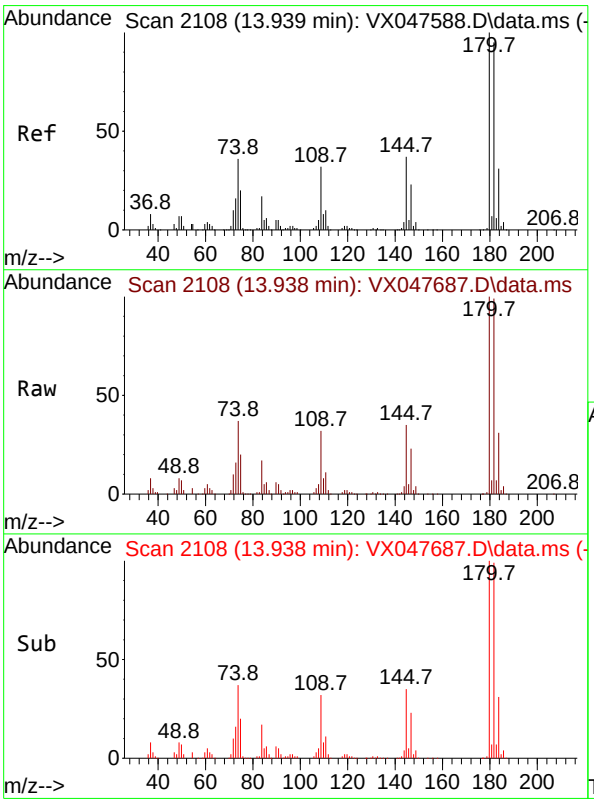
#95
Naphthalene
Concen: 49.995 ug/l
RT: 13.756 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047687.D
Acq: 19 Sep 2025 19:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:128 Resp: 395649

Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.2	15.2
129	10.9	8.8	13.2





#96
1,2,3-Trichlorobenzene
Concen: 49.173 ug/l
RT: 13.938 min Scan# 2108
Delta R.T. -0.000 min
Lab File: VX047687.D
Acq: 19 Sep 2025 19:03

Tgt Ion:180 Resp: 118876

Ion	Ratio	Lower	Upper
180	100		
182	98.1	47.6	142.8
145	34.9	17.9	53.7

